Nichols Ranch ISR Project
U.S.N.R.C Source Material
SUA-1597
Jane Dough Amendment

Volume IX

Addendums JD-D6E through JD-D6L, GW Level Data, Lab Results, Well Details and Field Data

Uranerz
ENERGY CORPORATION

Uranerz Energy Corporation
PO Box 50850
Casper, WY 82605-0850
307-265-8900

April 2014

ADDENDUM JD-D6E:

GROUND-WATER QUALITY

April 2014

GROUND-WATER QUALITY ADDENDUM JD-D6E

TABLE OF CONTENTS

FIGURES

TABLES

JD-D6E.1 JANE DOUGH UNIT GROUND-WATER QUALITY

The ground-water quality is discussed by individual aquifers. The A Sand is discussed in the Jane Dough Unit section because it is the ore sand in this area. The B Sand is discussed because it is directly connected with the A Sand in a number of areas throughout the unit. The 1 Sand is discussed because it is the underlying aquifer throughout the Jane Dough Unit. Discussion of the F Sand is presented because it is the overlying aquifer. The C Sand is discussed because it lies between the F and A Sands but isn't continuous enough to be the overlying aquifer. The G Sand is discussed because it is the most superficial aquifer in areas where the alluvium is not present.

Table JD-D6E.1-1 presents the tabulated ground-water quality data for the Jane Dough Unit. The summary of this water quality data is presented in Table JD-D6-6. The latest water quality from each well was used in developing the Stiff diagrams. Stiff diagrams are presented to show the type of water quality in each aquifer. Figure JD-D6E.1-1 presents the A Sand wells URZJA-1, URZJA-2, URZJA-7, URZJA-8. This plot shows that these four A Sand wells have very similar water quality type, which is mainly a sodium/sulfate/bicarbonate type of water. Figure JD-D6E.1-2 shows A Sand wells URZJA-13-1, URZJA-14-1, URZJA-19, and URZJA-20. The water quality type in these wells is very similar to the other A Sand wells.

The B Sand in the Jane Dough Unit is directly connected with the A sand in many areas, thus isn't considered the overlying aquifer. Figure JD-D6E.1-3 presents the Stiff diagram for wells URZJB-3, URZJB-9, URZJB-15, and URZJB-21. The diagram shows that the B Sand is a sodium/sulfate/bicarbonate type water. URZJC-10 is the only C Sand well drilled in the Jane Dough Unit. Its Stiff diagram is presented in Figure JD-D6E.1-4 and shows that it is of a similar type of water as the A and B Sands in this area.

The underlying aquifer at the Jane Dough Unit is the 1 Sand and the Stiff diagram for the 1 Sand wells URZJ1-12 and URZJ1-23-1 is presented in Figure JD-D6E.1-5. This shows that 1 Sand is a sodium/bicarbonate type of water.

The F Sand is the overlying aquifer in the Jane Dough Unit and the Stiff diagram for wells URZJF-5, URZJC-16, and URZJC-22 is presented in Figure JD-D6E.1-6. The water is a sodium/calcium/sulfate type of water. URZJF-5 differs from the other two wells with lower concentrations of calcium. The Stiff diagram for G Sand wells URZJF-11 and URZJF-17 is presented in Figure JD-D6E.1-7. The water quality is similar to the F Sand as a sodium/calcium/sulfate type.

The TDS in the alluvium is much higher due to a shallow discharge point for ground water and is affected by transpiration. The Stiff diagram for alluvial wells URZJQ-24-1, URZJQ-25, and URZJQ-26 is presented in Figure JD-D6E.1-8 and shows that the water quality type is a calcium/sodium/sulfate type of water.

Piper diagrams have also been used to portray the water quality type for each aquifer. The latest water quality data was used in the posting of the Piper diagrams. Figure JD-

D6E.1-9 shows the water quality for the eight A Sand wells. The figure shows the water is a sodium/bicarbonate/sulfate type. The portions of sulfate and bicarbonate are fairly similar in the A Sand water. Figure JD-D6E.1-10 presents the Piper diagram for the B Sand wells. The majority of the B Sand wells are a sodium/bicarbonate/sulfate type of water. C Sand well URZJC-10 is presented in Figure JD-D6E.1-11. The sodium/bicarbonate/sulfate water type is very similar to the A and B Sands in this area.

The Piper diagram for the 1 Sand wells at the Jane Dough Unit is presented in Figure JD-D6E.1-12. This diagram shows that the water type is a sodium/bicarbonate type of water.

The Piper diagram for F Sand wells URZJF-5, URZJC-16, and URZJC-22 is presented in Figure JD-D6E.1-13. The figure shows the dominant anion present is sulfate while the cations are split between the sodium and calcium. Figure JD-D6E.1-14 presents the G Sand Piper diagram. The water quality shown is similar to that of the F Sand wells.

The water type in the alluvial wells would be expected to be significantly different due to the effects of surface water input and ground-water discharge. Figure JD-D6E.1-15 shows the primary anion is sulfate type with a combination of all of the cations.

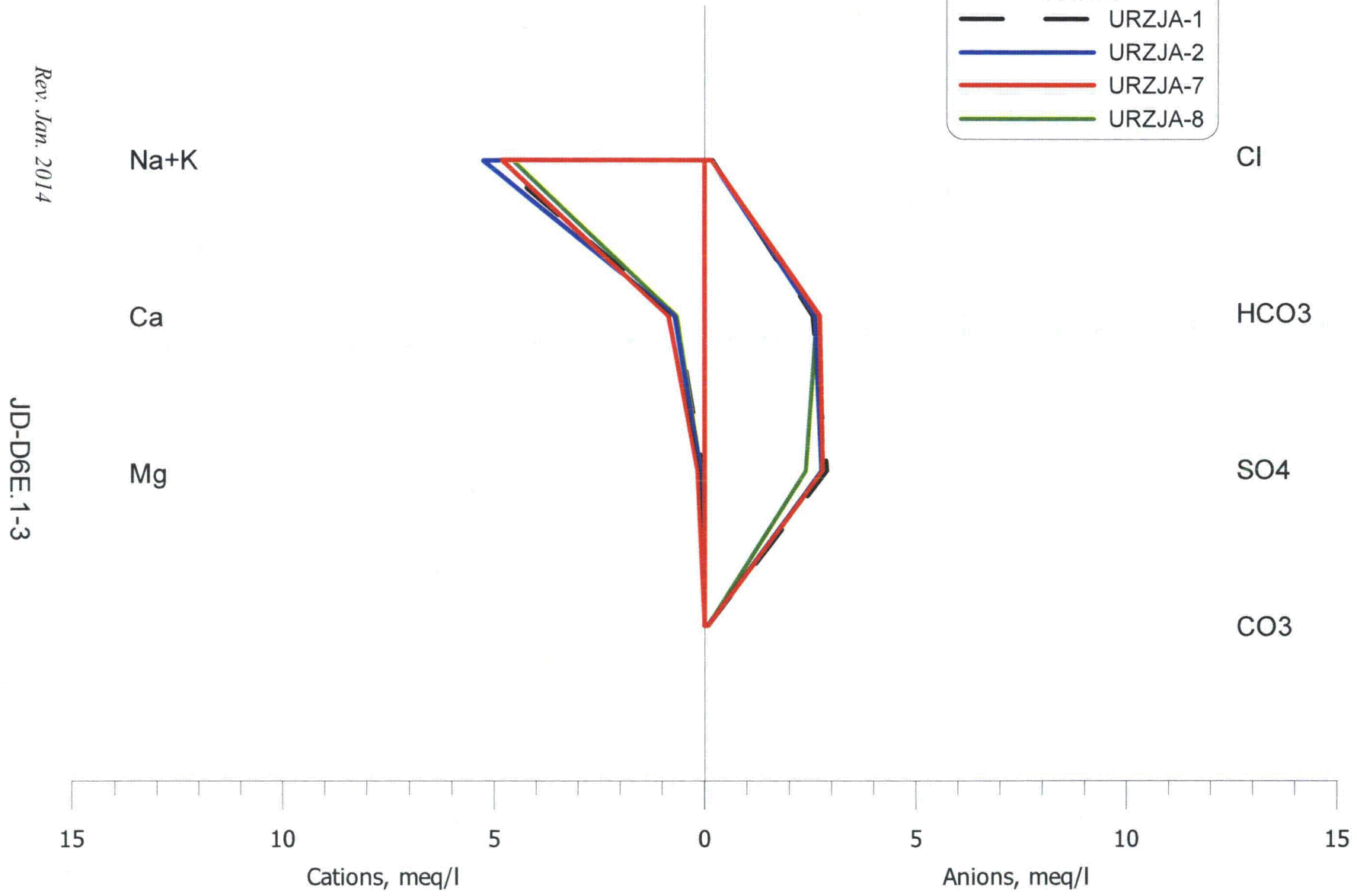


FIGURE JD-D6E.1-1 . STIFF DIAGRAM FOR A SAND WELLS URZJA-1, URZJA-2, URZJA-7, AND URZJA-8 WATER QUALITY

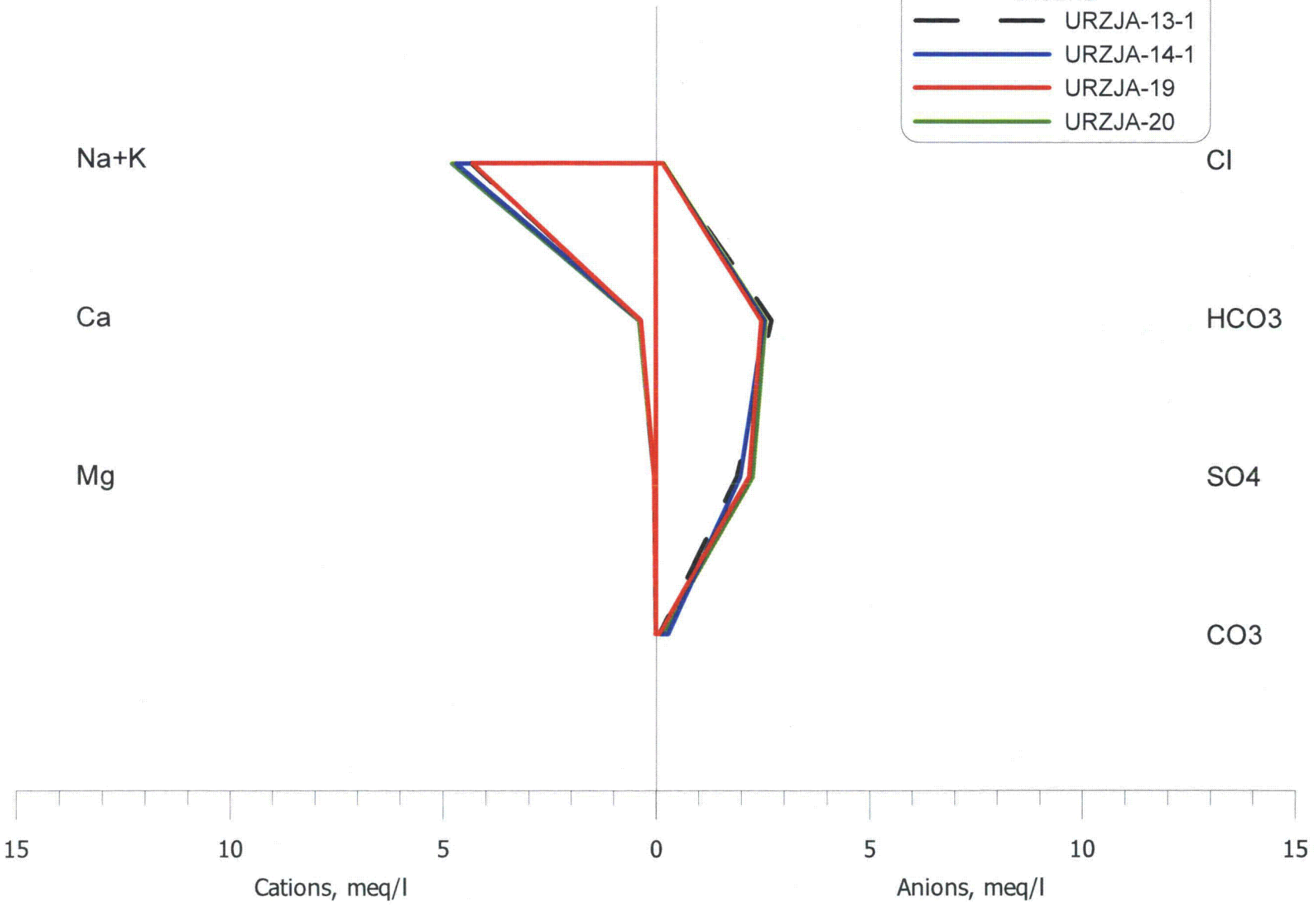


FIGURE JD-D6E.1-2 . STIFF DIAGRAM FOR A SAND WELLS URZJA-13-1, URZJA-14-1, URZJA-19, AND URZJA-20 WATER QUALITY

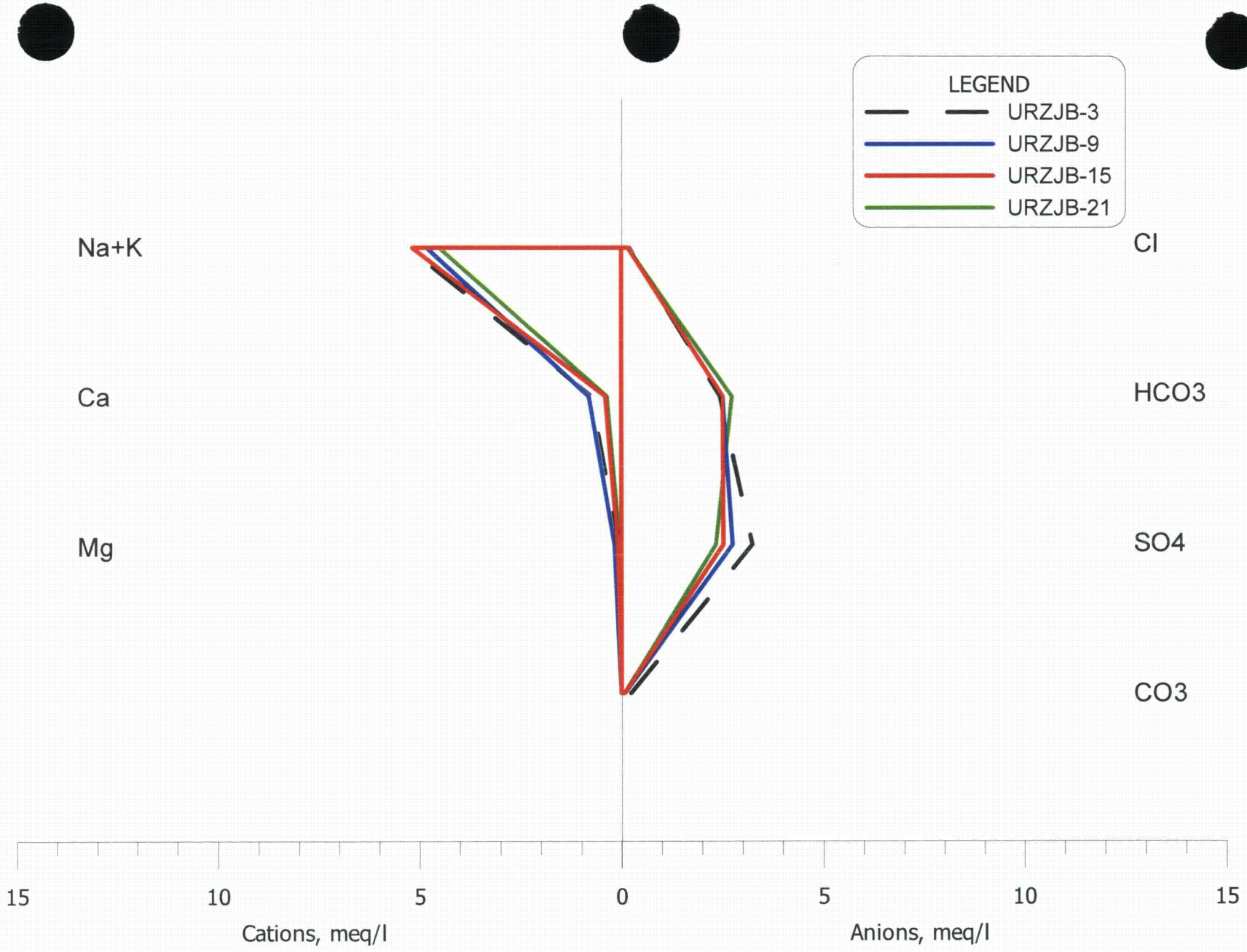
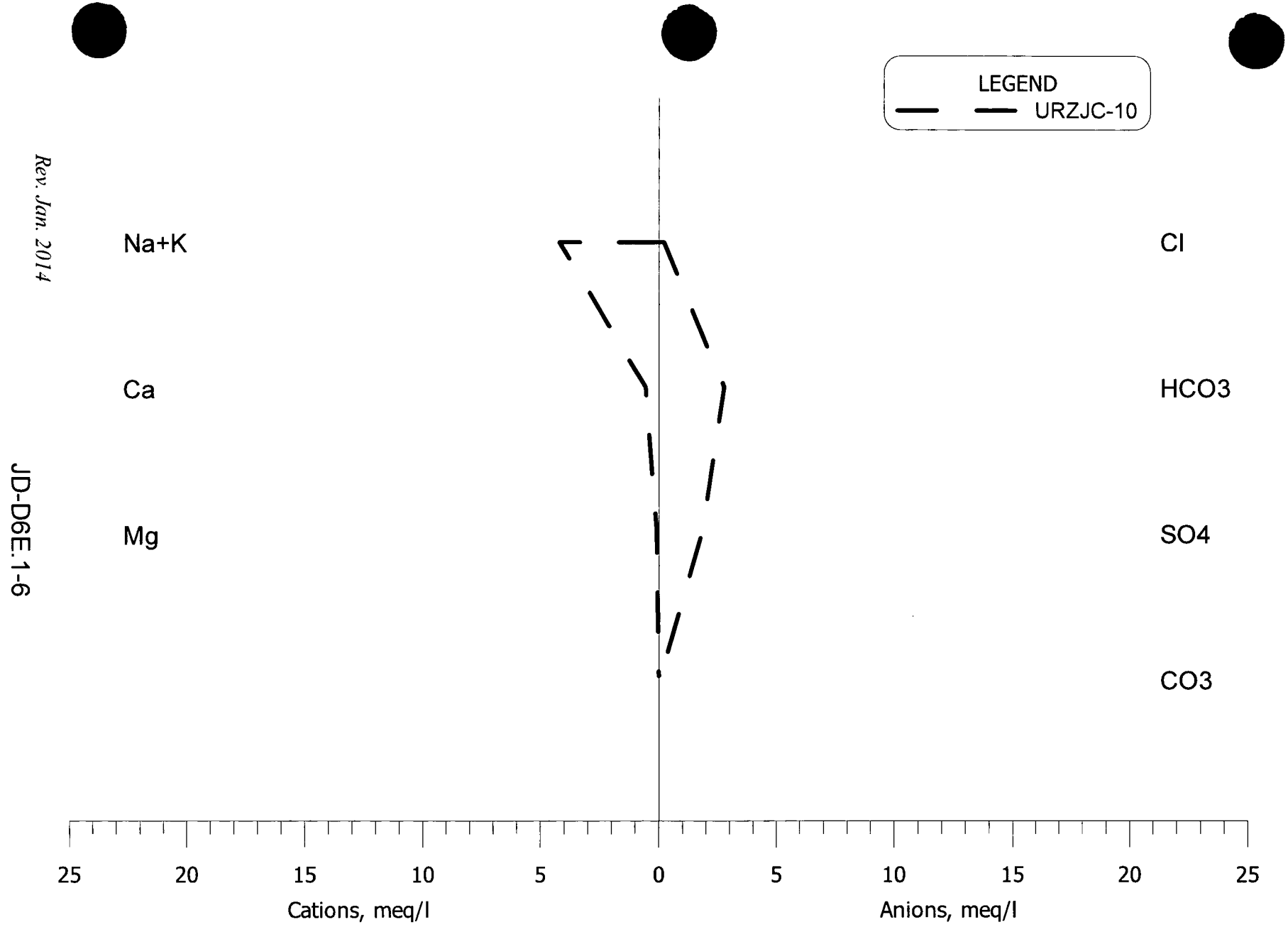


FIGURE JD-D6E.1-3 . STIFF DIAGRAM FOR B SAND WELLS URZJB-3, URZJB-9, URZJB-15, AND URZJB-21 WATER QUALITY



Rev. Jan. 2014

JD-D6E.1-6

FIGURE JD-D6E.1-4 . STIFF DIAGRAM FOR C SAND WELL URZJC-10 WATER QUALITY

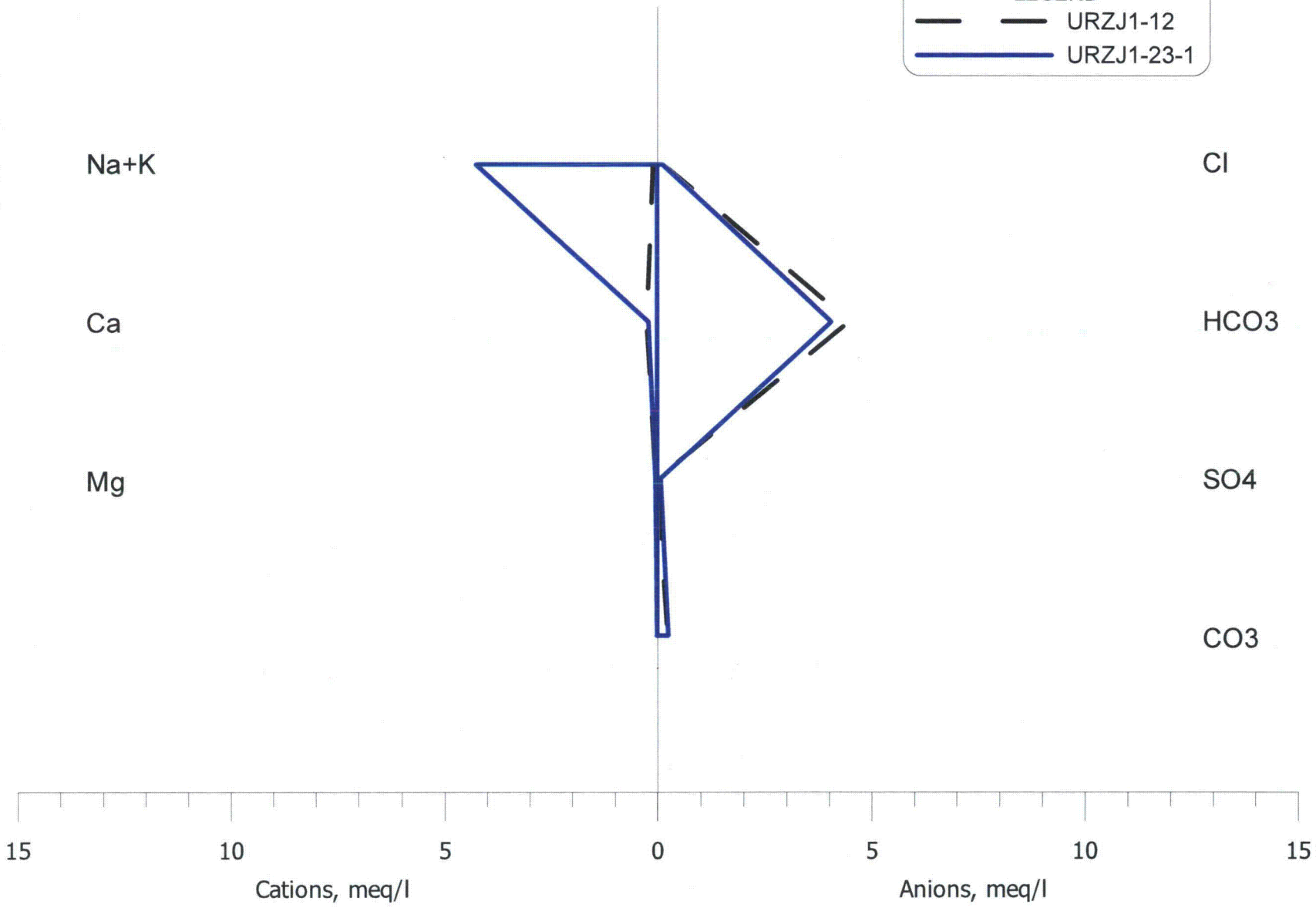


FIGURE JD-D6E.1-5 . STIFF DIAGRAM FOR 1 SAND WELLS URZJ1-12 AND URZJ1-23-1 WATER QUALITY

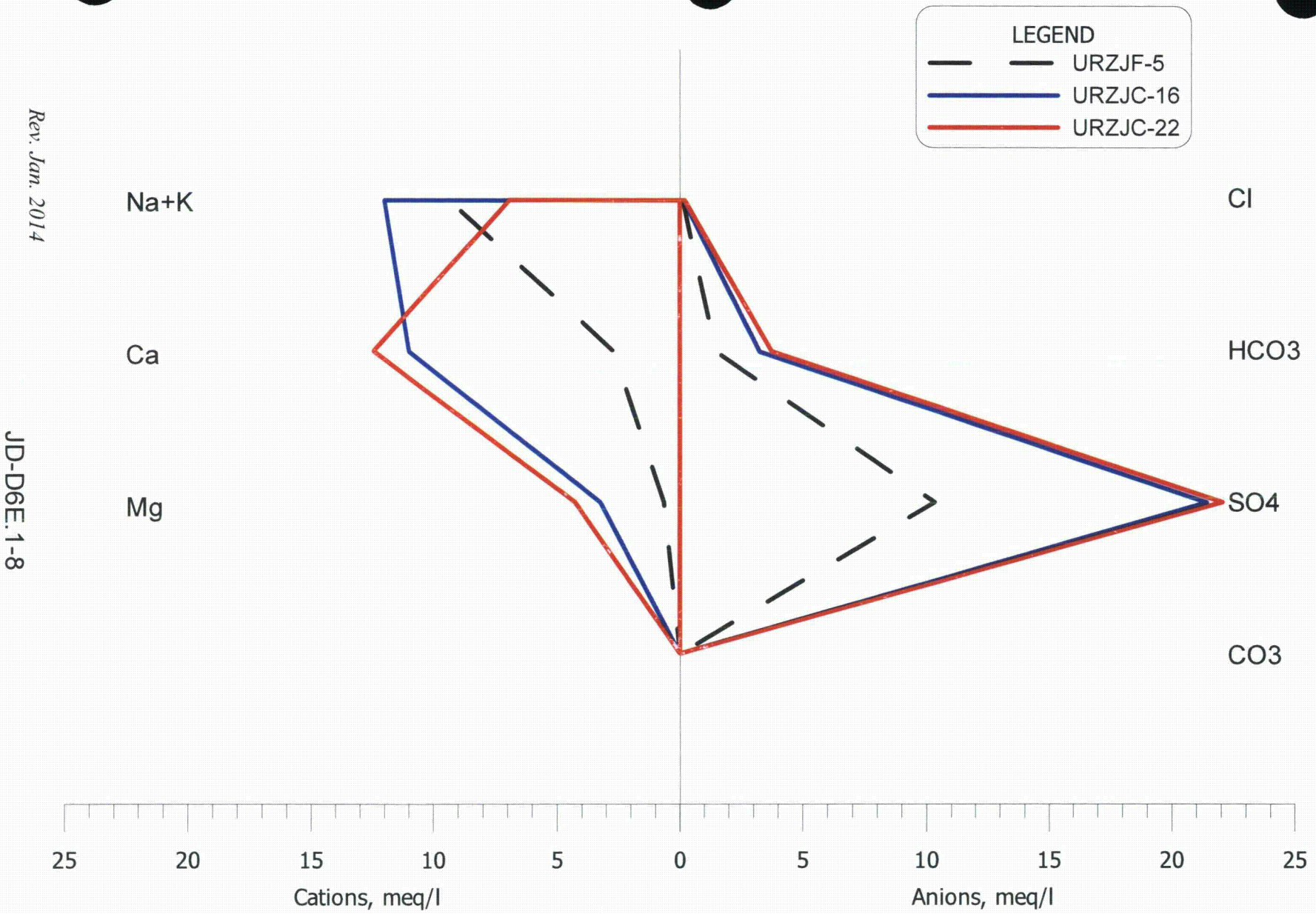


FIGURE JD-D6E.1-6 . STIFF DIAGRAM FOR B SAND WELLS URZJF-5, URZJC-16, AND URZJC-22 WATER QUALITY

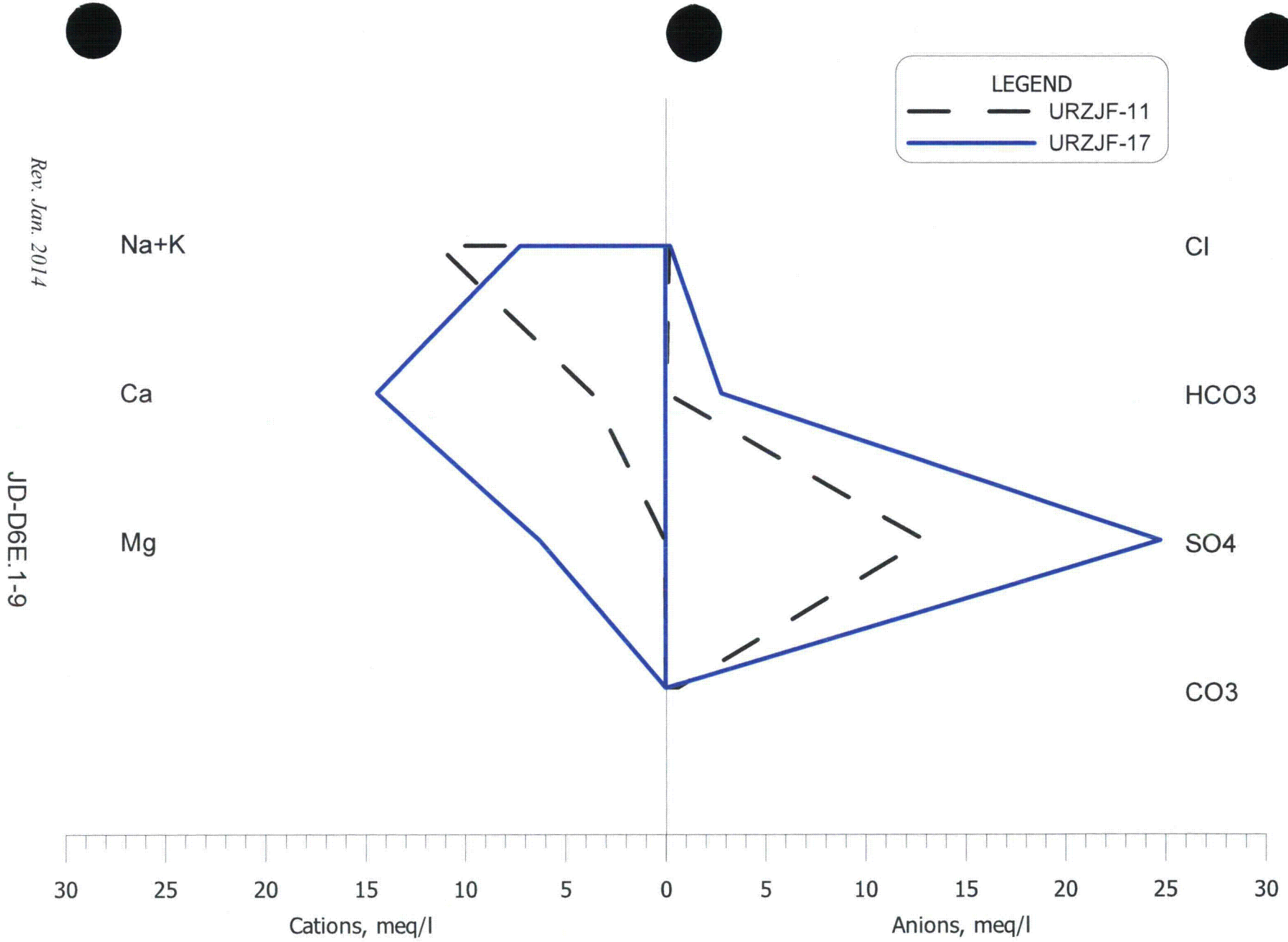


FIGURE JD-D6E.1-7 . STIFF DIAGRAM FOR G SAND WELLS URZJF-11 AND URZJF-17 WATER QUALITY

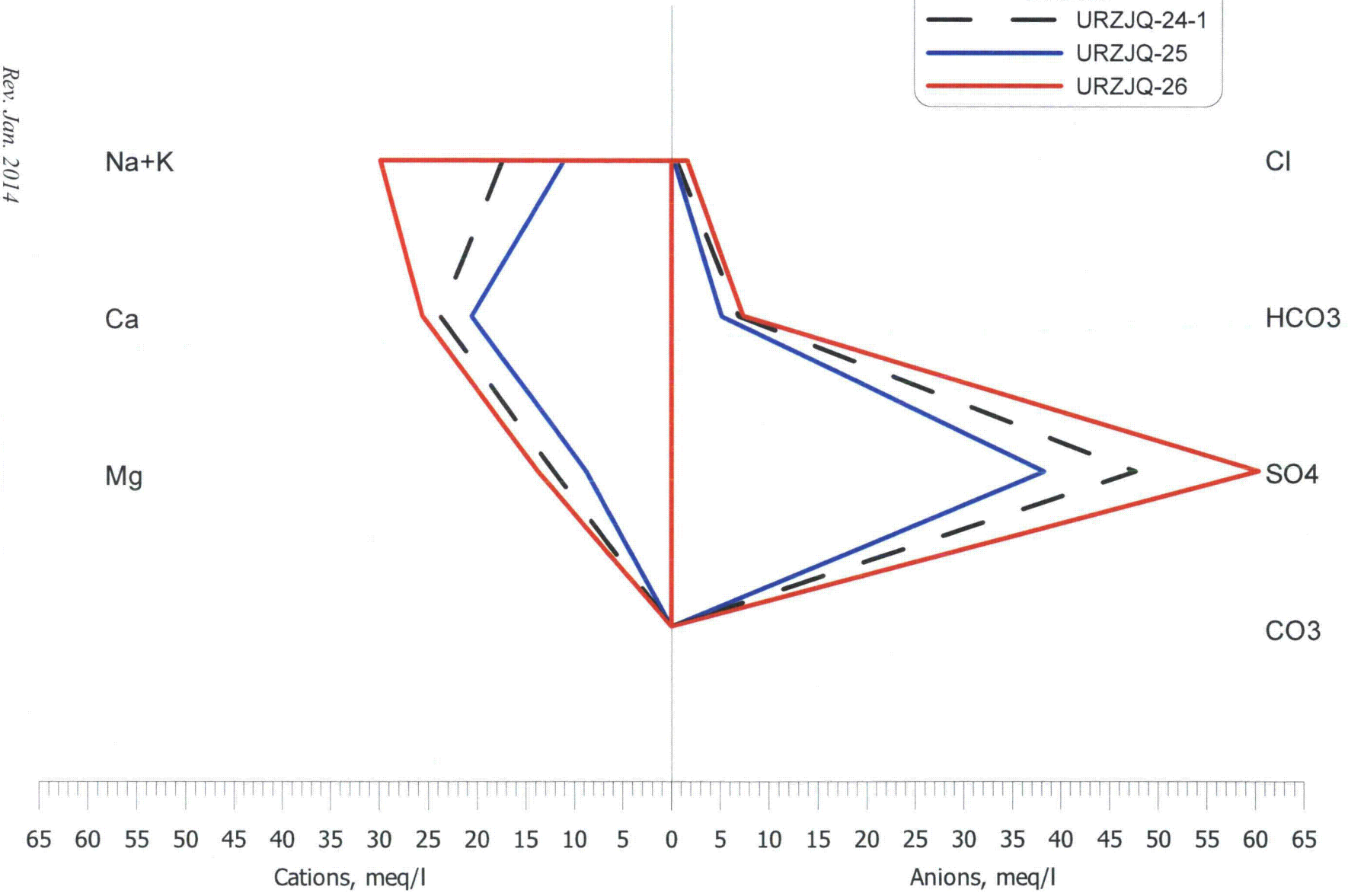


FIGURE JD-D6E.1-8 . STIFF DIAGRAM FOR ALLUVIAL WELLS URZJQ-24-1, URZJQ-25, AND URZJQ-26 WATER QUALITY

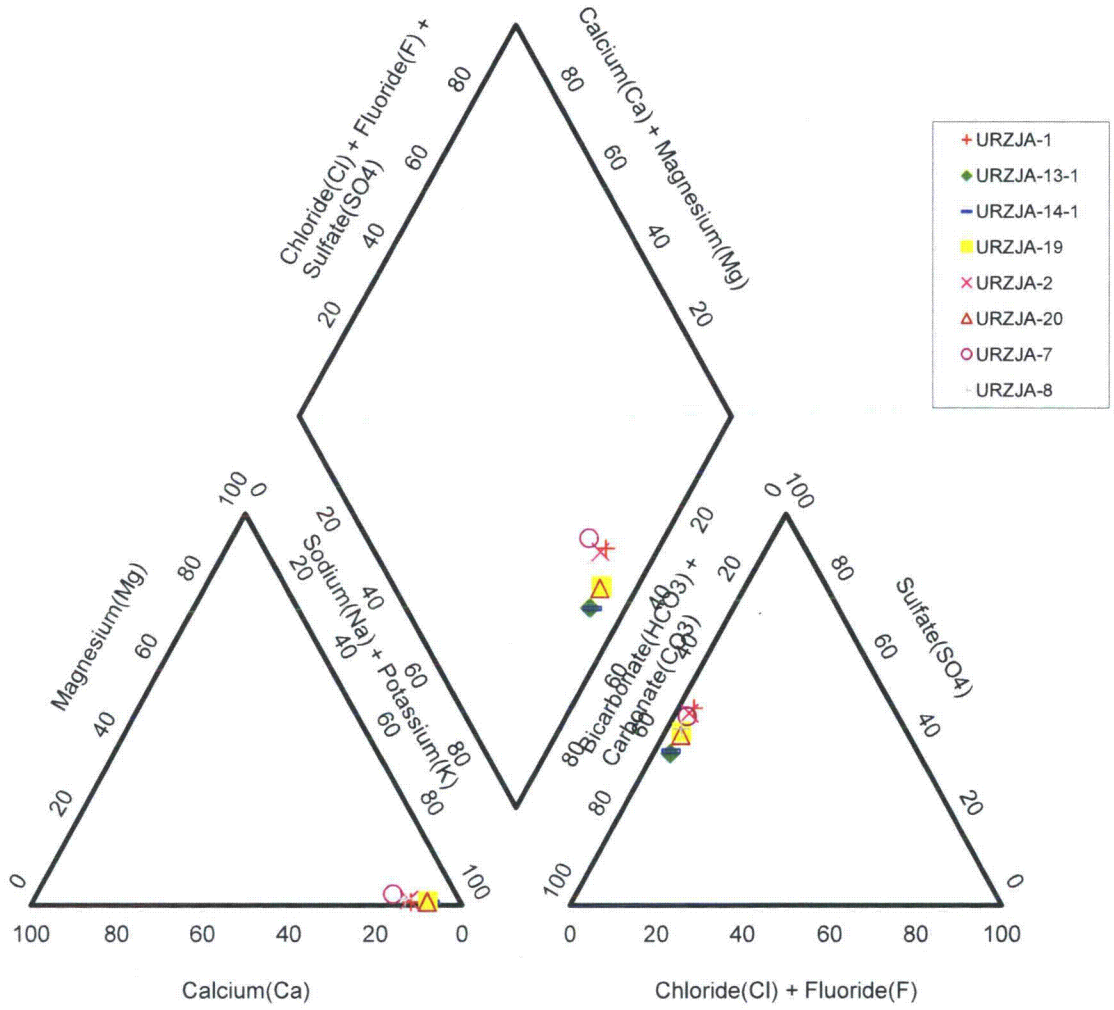


FIGURE JD-D6E.1-9. PIPER DIAGRAM FOR A SAND WELLS URZJA-1, URZJA-2, URZJA-7, URZJA-8, URZJA-13-1, URZJA-14-1, URZJA-19, AND URZJA-20

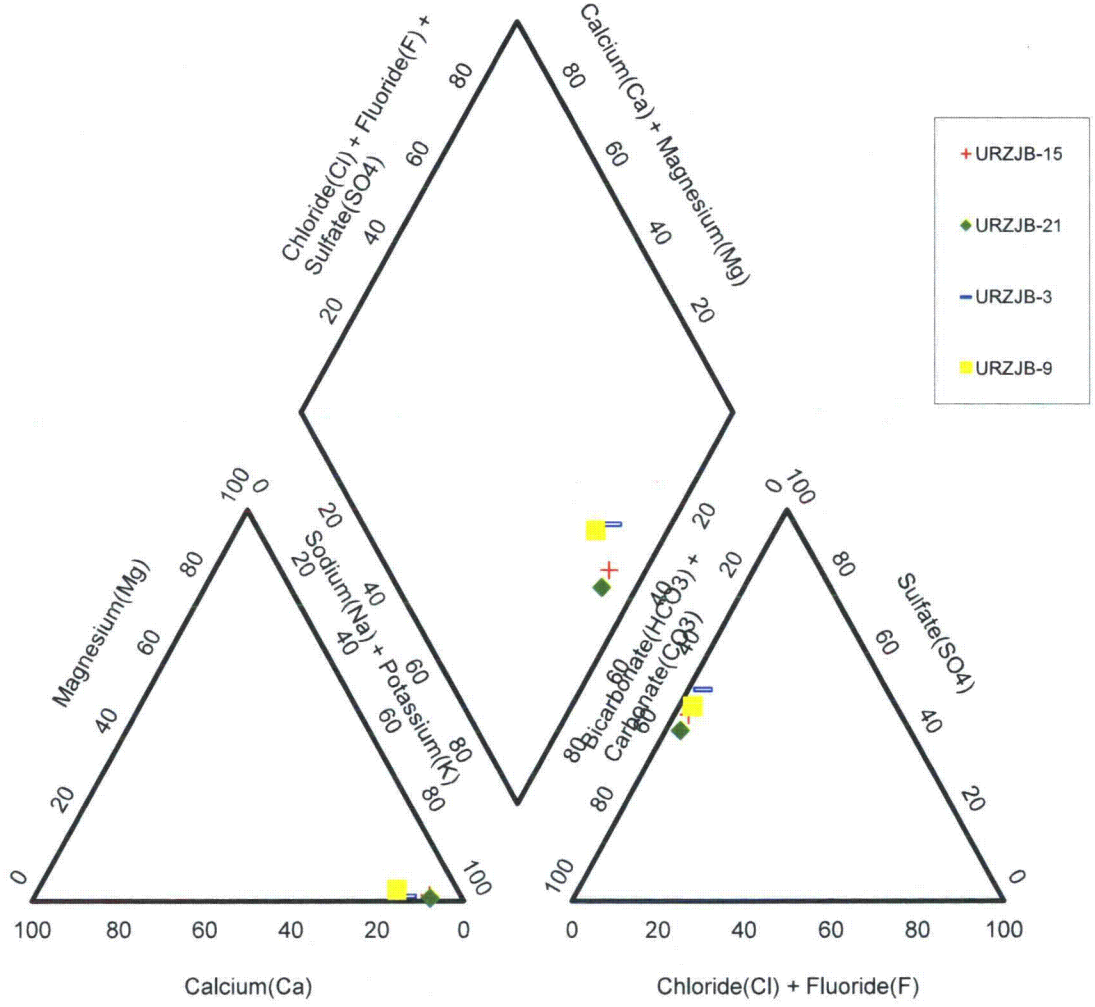


FIGURE JD-D6E.1-10. PIPER DIAGRAM FOR B SAND WELLS URZJB-3, URZJB-9, URZJB-15, AND URZJB-21

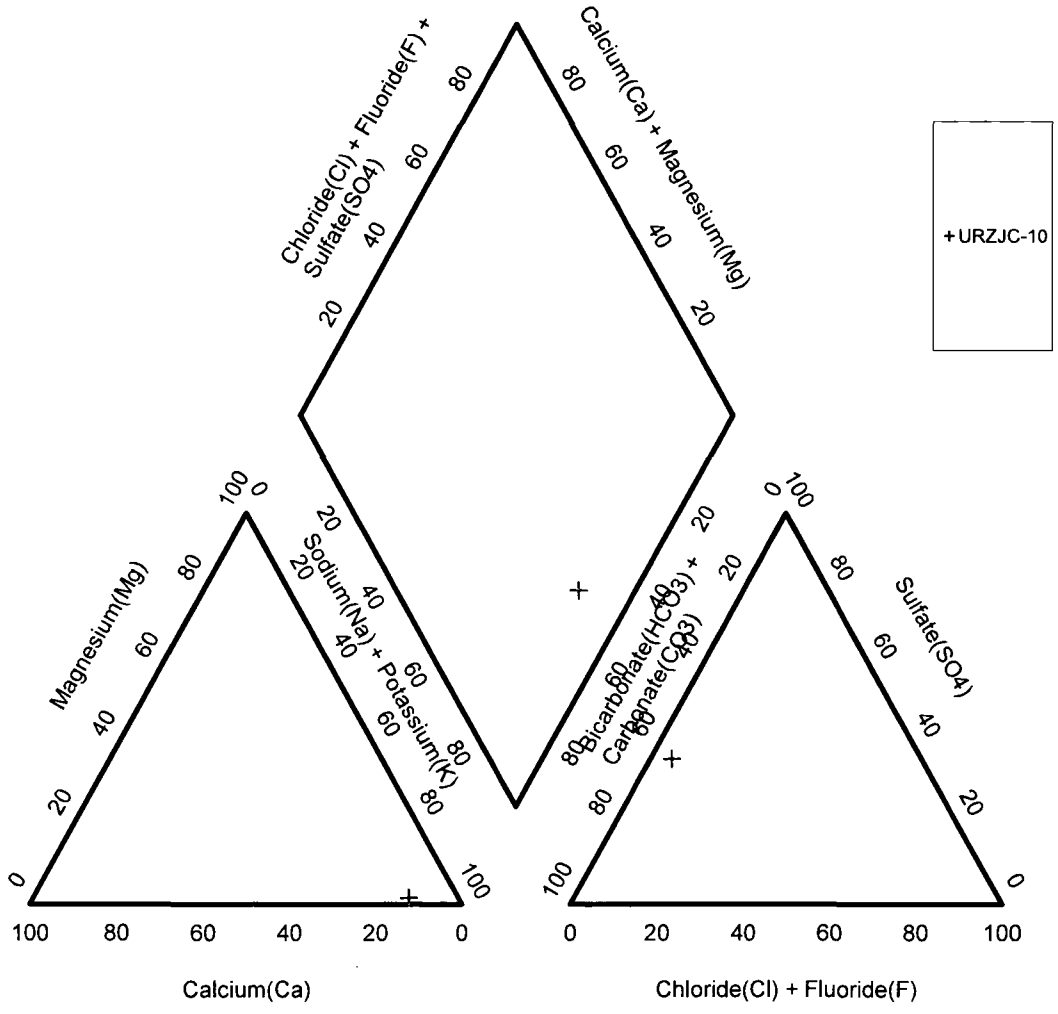


FIGURE JD-D6E.1-11. PIPER DIAGRAM FOR C SAND WELL URZJC-10

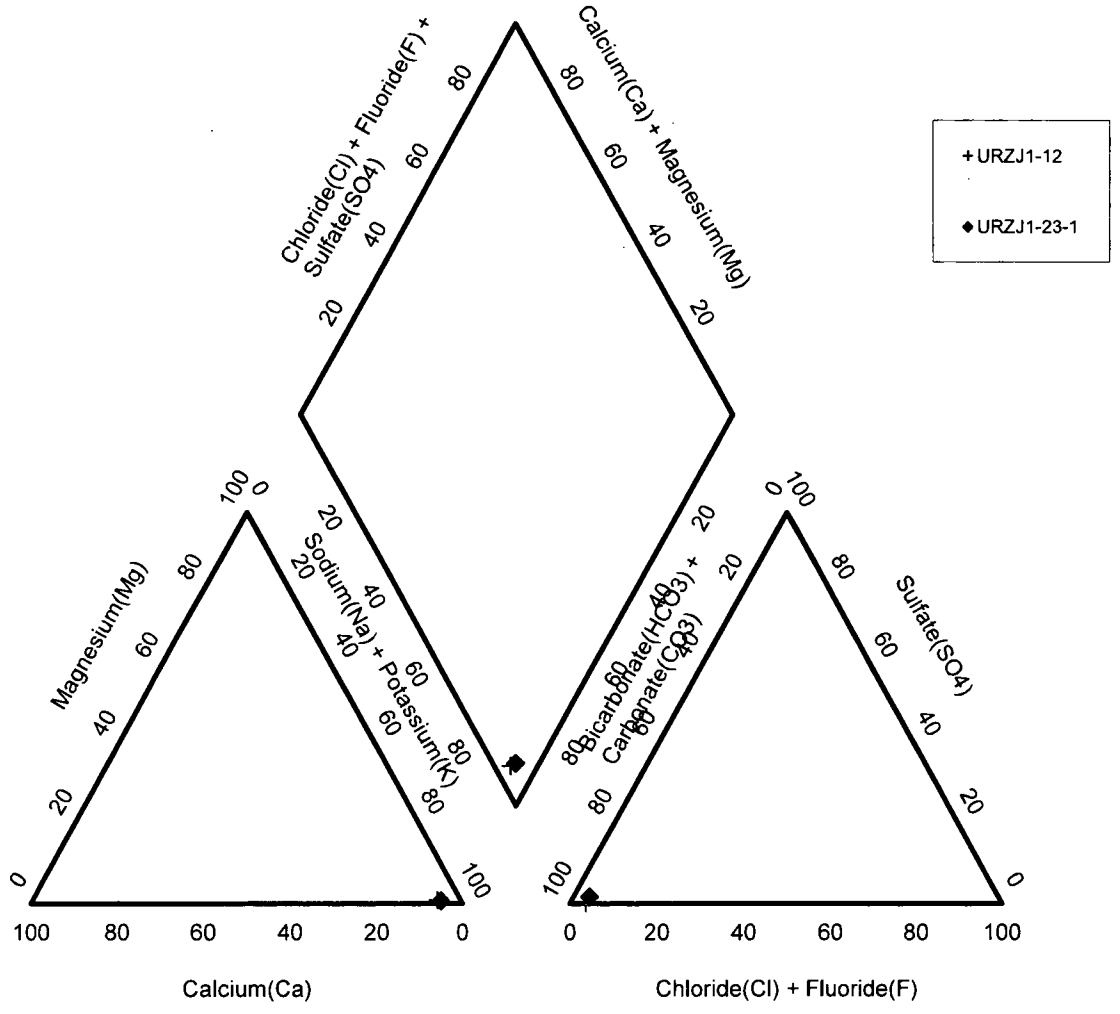


FIGURE JD-D6E.1-12. PIPER DIAGRAM FOR 1 SAND WELLS URZJ1-12 AND URZJ1-23-1

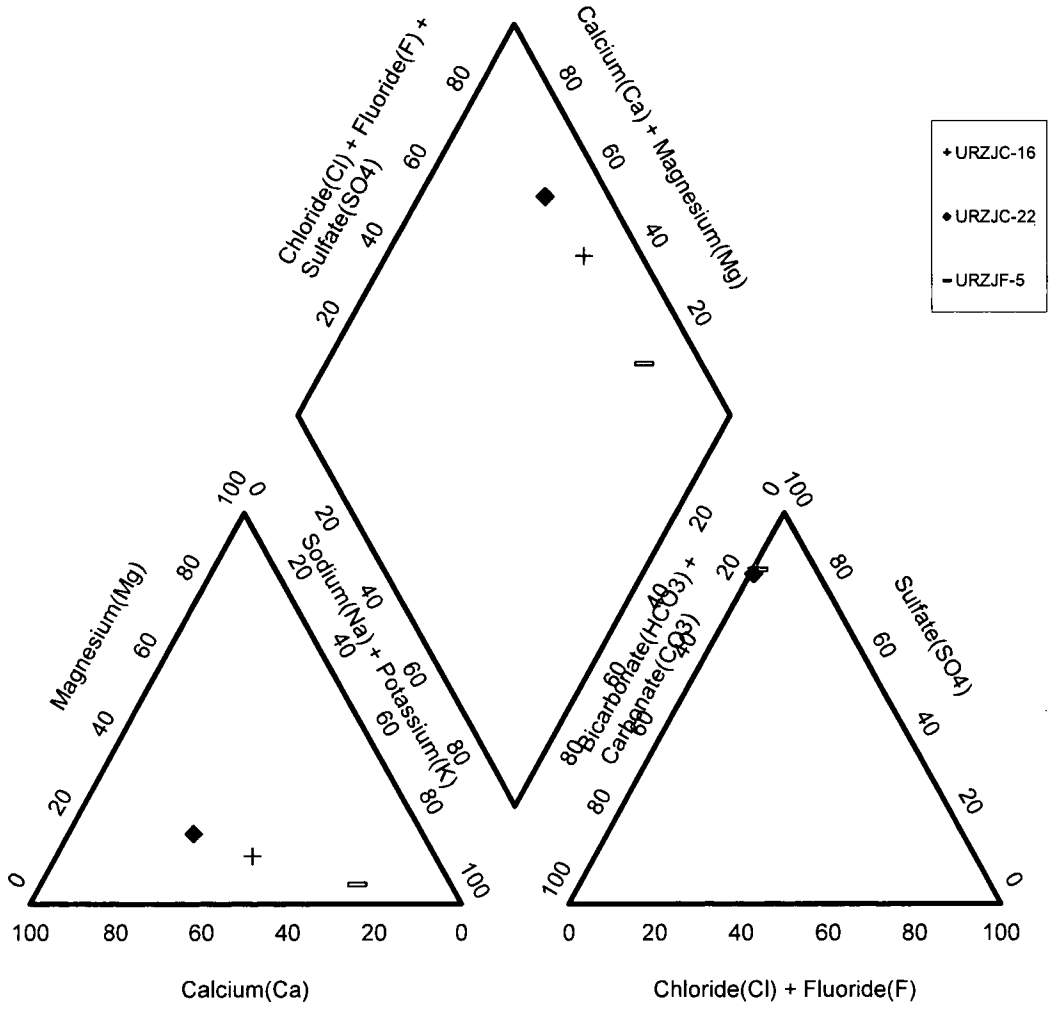


FIGURE JD-D6E.1-13. PIPER DIAGRAM FOR F SAND WELLS URZJF-5, URZJC-16, AND URZJC-22

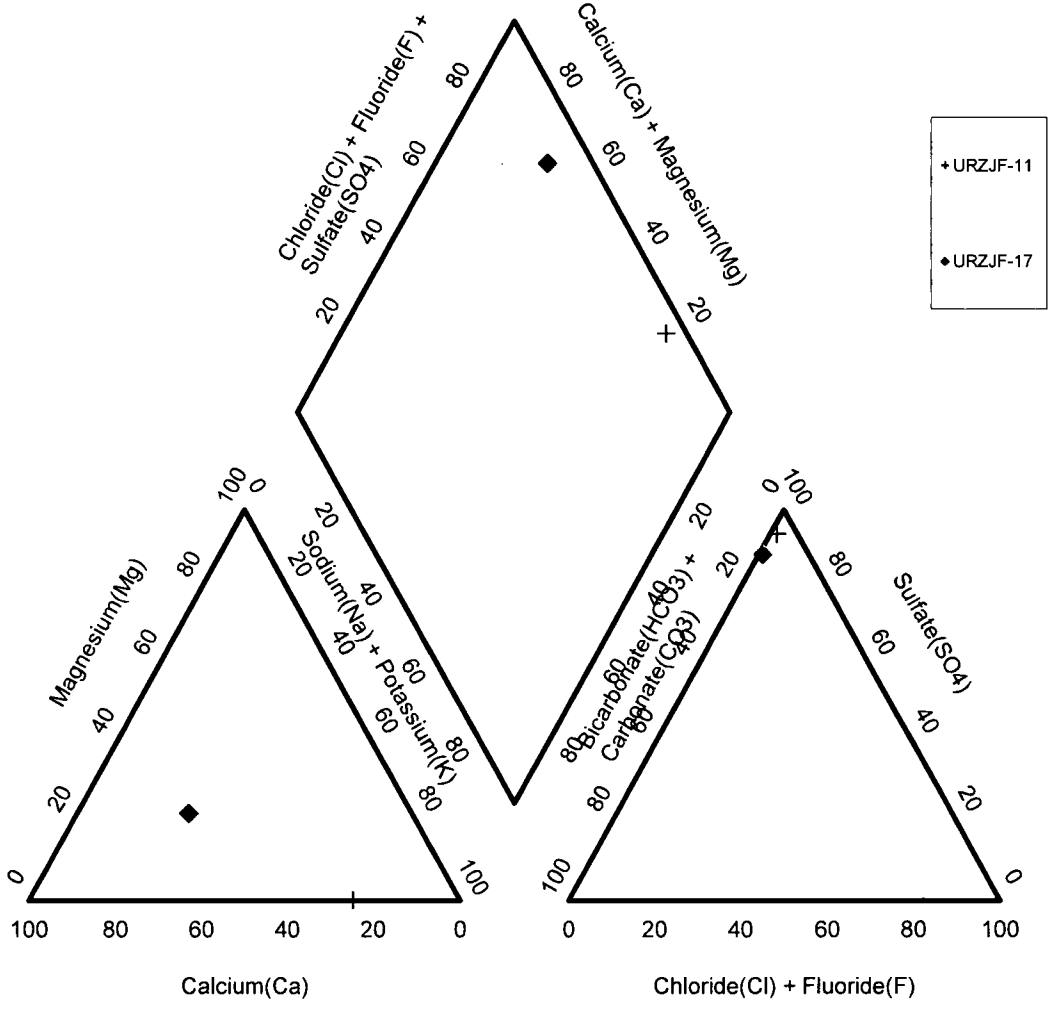


FIGURE JD-D6E.1-14. PIPER DIAGRAM FOR G SAND WELLS URZJF-11 AND URZJF-17

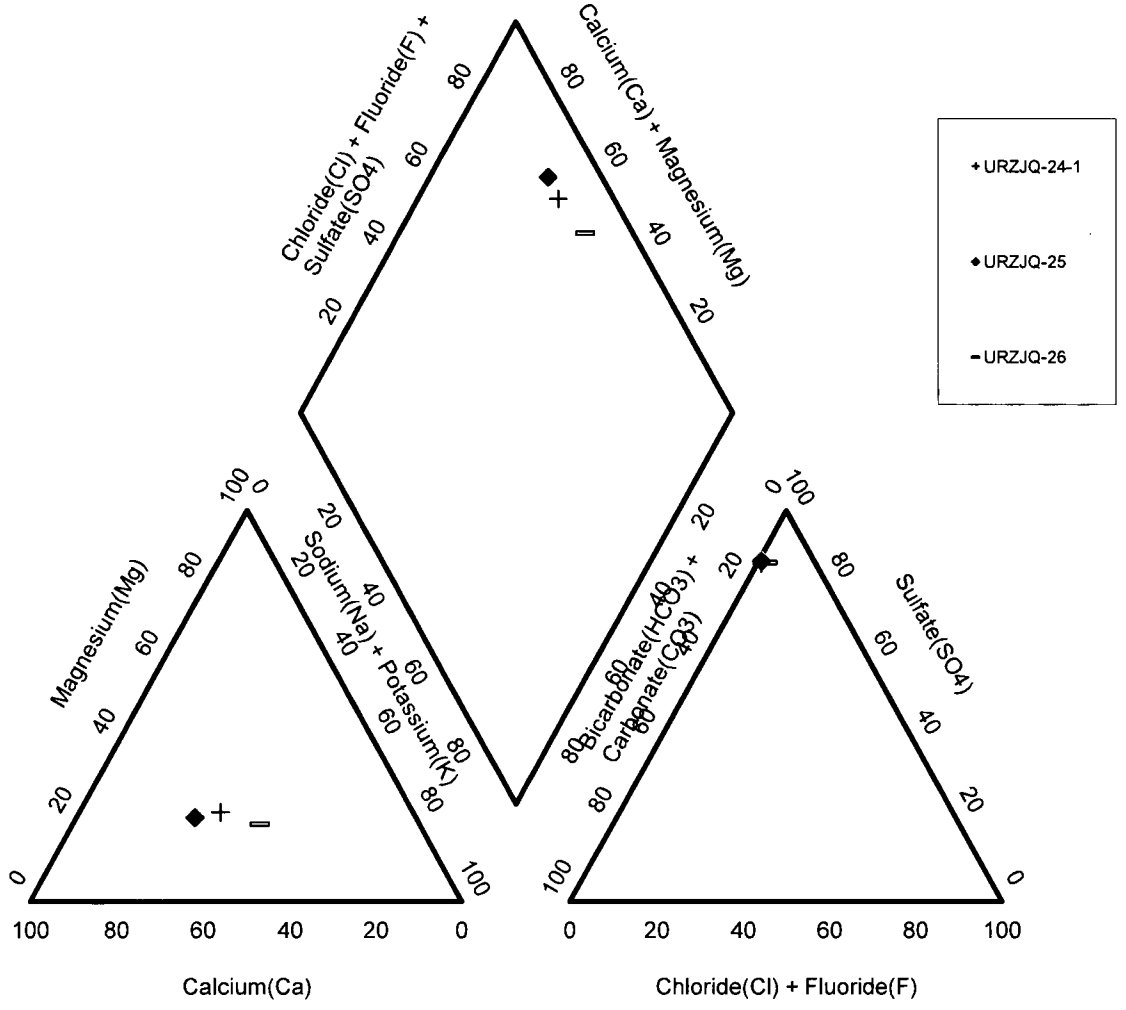


FIGURE JD-D6E.1-15. PIPER DIAGRAM FOR ALLUVIAL WELLS URZJQ-24-1, URZJQ-25, AND URZJQ-26

TABLE JD-D6E.1-1. JANE DOUGH GROUND-WATER QUALITY DATA.

Well Name	Date	Ca (mg/l)	Cl (mg/l)	CO3 (mg/l)	HCO3 (mg/l)	K (mg/l)	Mg (mg/l)	Na (mg/l)	SO4 (mg/l)	Fe (mg/l)
Dry Fork	6/28/2010	5.0	5.0	7.0	199	2.0	1.0	102	59.0	0.03
Flowing #5	7/19/2010	5.0	5.0	7.0	203	1.0	< 1.0	97.0	59.0	< 0.03
	10/4/2010	5.0	5.0	---	---	1.0	---	99.0	58.0	0.03
	1/6/2011	5.0	5.0	7.0	193	1.0	1.0	97.0	61.0	0.03
	8/15/2011	5.0	5.0	14.0	172	2.0	1.0	103	61.0	0.03
	1/20/2012	6.0	5.0	5.0	195	2.0	1.0	103	61.0	0.03
	7/17/2012	6.0	5.0	5.0	195	1.0	1.0	97.0	63.0	0.03
	11/7/2012	5.0	5.0	6.0	198	2.0	1.0	100.0	61.0	0.03
	1/7/2013	6.0	5.0	6.0	197	2.0	1.0	103	61.0	0.03
N1	12/15/2011	6.0	6.0	6.0	138	1.0	< 1.0	99.0	100.0	< 0.03
	1/20/2012	7.0	6.0	< 5.0	149	1.0	< 1.0	101	101	< 0.03
	7/17/2012	---	6.0	---	---	---	---	---	---	---
	1/9/2013	---	6.0	---	---	---	---	---	---	---
	1/9/2013	---	6.0	---	---	---	---	---	---	---
	7/22/2013	---	5.0	---	---	---	---	---	---	---
NQ-4	12/17/2007	480.0	31.0	< 1.0	499	11.0	139.0	426	2340	3.31
	6/24/2008	480.0	28.0	< 1.0	467	9.0	136.0	403	2370	1.13
	9/9/2008	527.0	33.0	< 1.0	470	8.0	152.0	404	2500	0.68
	11/21/2008	543.0	31.0	< 1.0	496	9.0	151.0	430	2360	0.73
	6/4/2012	548.0	35.0	< 5.0	509	10.0	148.0	443	2420	3.55
Pats #1	1/24/2011	14.0	6.0	< 5.0	149	3.0	1.0	113	160	0.05
	8/10/2011	15.0	6.0	< 5.0	137	3.0	1.0	114	161	0.03
	1/20/2012	15.0	6.0	< 5.0	141	3.0	1.0	116	162	0.03
	7/17/2012	---	7.0	---	---	---	---	---	---	---
	11/2/2012	---	6.0	---	---	---	---	---	---	---
	1/30/2013	---	6.0	---	---	---	---	---	---	---
	7/23/2013	---	6.0	---	---	---	---	---	---	---
Pug #1	1/24/2011	5.0	3.0	9.0	283	2.0	< 1.0	---	---	< 0.03
	1/24/2011	---	---	---	---	---	---	114	17.0	---
	8/12/2011	5.0	3.0	6.0	267	2.0	< 1.0	106	17.0	< 0.03
	1/23/2012	6.0	3.0	12.0	261	2.0	< 1.0	112	17.0	< 0.03
Pug #2	12/29/2010	5.0	3.0	11.0	280	2.0	< 1.0	107	17.0	< 0.03
	7/17/2012	---	4.0	---	---	---	---	---	---	---
	11/2/2012	---	3.0	---	---	---	---	---	---	---
	1/9/2013	---	3.0	---	---	---	---	---	---	---
	7/23/2013	---	3.0	---	---	---	---	---	---	---
Seventeen	6/28/2010	5.0	4.0	5.0	212	2.0	1.0	95.0	46.0	0.04
Mile #1	7/19/2010	5.0	4.0	5.0	210	2.0	< 1.0	96.0	45.0	0.03
	10/4/2010	5.0	4.0	7.0	207	1.0	1.0	94.0	45.0	0.03

TABLE JD-D6E.1-1. JANE DOUGH GROUND-WATER QUALITY DATA. (cont'd.)

Well Name	Date	Ca (mg/l)	Cl (mg/l)	CO3 (mg/l)	HCO3 (mg/l)	K (mg/l)	Mg (mg/l)	Na (mg/l)	SO4 (mg/l)	Fe (mg/l)
Seventeen Mile #1	1/6/2011	5.0	4.0	5.0	198	1.0	1.0	93.0	47.0	0.03
	8/15/2011	5.0	4.0	6.0	185	2.0	1.0	96.0	47.0	0.03
	1/20/2012	5.0	4.0	5.0	193	2.0	1.0	97.0	48.0	0.03
	7/17/2012	5.0	4.0	5.0	201	1.0	1.0	93.0	49.0	0.04
	11/7/2012	5.0	4.0	5.0	201	1.0	1.0	95.0	48.0	0.03
	1/7/2013	6.0	4.0	6.0	201	2.0	1.0	96.0	47.0	0.04
URZJ1-12	9/1/2011	4.0	3.0	36.0	160	4.0	< 1.0	77.0	2.00	0.44
	12/2/2011	4.0	3.0	24.0	211	3.0	< 1.0	90.0	< 1.000	0.09
	2/1/2012	5.0	3.0	16.0	231	4.0	< 1.0	104	< 1.000	0.43
	3/28/2012	5.0	3.0	10.0	250	3.0	< 1.0	101	< 1.000	0.06
	6/15/2012	5.0	3.0	12.0	266	3.0	< 1.0	107	< 1.000	< 0.03
	9/7/2012	5.0	5.0	7.0	273	3.0	< 1.0	96.0	< 1.000	< 0.03
URZJ1-23-1	6/5/2013	4.0	5.0	8.0	248	3.0	< 1.0	98.0	4.00	< 0.03
URZJA-1	9/14/2011	8.0	6.0	10.0	133	5.0	< 1.0	103	129	< 0.03
	3/7/2012	8.0	6.0	5.0	145	5.0	< 1.0	116	124	< 0.03
	6/19/2012	11.0	6.0	< 5.0	158	4.0	< 1.0	120	124	< 0.03
	7/18/2012	13.0	7.0	< 5.0	156	3.0	< 1.0	113	139	< 0.03
URZJA-2	9/21/2011	11.0	6.0	12.0	127	10.0	< 1.0	112	137	< 0.03
	2/6/2012	10.0	6.0	13.0	129	11.0	< 1.0	111	133	< 0.03
	12/12/2012	12.0	8.0	5.0	156	4.0	< 1.0	120	131	< 0.03
	1/30/2013	14.0	6.0	< 5.0	159	3.0	1.0	119	133	< 0.03
URZJA-7	9/1/2011	12.0	6.0	10.0	133	9.0	1.0	108	141	< 0.03
	11/7/2011	8.0	6.0	14.0	106	8.0	< 1.0	106	137	< 0.03
	2/1/2012	12.0	6.0	7.0	147	6.0	1.0	104	137	< 0.03
	12/6/2012	17.0	6.0	< 5.0	166	3.0	2.0	109	134	< 0.03
URZJA-8	9/12/2011	11.0	6.0	17.0	125	6.0	< 1.0	98.0	114	< 0.03
	11/7/2011	10.0	6.0	23.0	114	8.0	< 1.0	101	115	< 0.03
	1/31/2012	11.0	6.0	17.0	129	5.0	1.0	95.0	116	< 0.03
	6/21/2012	13.0	6.0	< 5.0	162	4.0	1.0	102	115	< 0.03
URZJA-13-1	1/10/2013	6.0	6.0	10.0	166	4.0	< 1.0	100.0	94.0	< 0.03
	6/10/2013	6.0	6.0	< 5.0	171	4.0	< 1.0	106	95.0	< 0.03
	9/18/2013	29.0	113.0	< 5.0	136	8.0	4.0	127	95.0	< 0.03
	11/1/2013	7.0	6.0	< 5.0	165	3.0	< 1.0	98.0	91.0	< 0.03
URZJA-14-1	1/10/2013	7.0	5.0	8.0	158	2.0	1.0	100.0	92.0	< 0.03
	6/6/2013	10.0	5.0	< 5.0	176	3.0	< 1.0	107	88.0	< 0.03
	9/19/2013	11.0	6.0	< 5.0	177	6.0	< 1.0	106	92.0	< 0.03
	11/6/2013	7.0	6.0	9.0	155	3.0	< 1.0	106	95.0	< 0.03
URZJA-19	3/14/2012	3.0	6.0	41.0	97	13.0	< 1.0	109	103	< 0.03

TABLE JD-D6E.1-1. JANE DOUGH GROUND-WATER QUALITY DATA. (cont'd.)

Well Name	Date	Ca (mg/l)	Cl (mg/l)	CO3 (mg/l)	HCO3 (mg/l)	K (mg/l)	Mg (mg/l)	Na (mg/l)	SO4 (mg/l)	Fe (mg/l)
URZJA-19	6/29/2012	5.0	6.0	12.0	137	7.0	< 1.0	105	101	< 0.03
	7/17/2012	6.0	6.0	13.0	138	6.0	< 1.0	112	106	< 0.03
	11/13/2012	7.0	6.0	< 5.0	151	2.0	< 1.0	98.0	105	< 0.03
URZJA-20	11/13/2012	7.0	6.0	< 5.0	158	2.0	< 1.0	102	112	< 0.03
	1/17/2013	9.0	6.0	< 5.0	157	2.0	1.0	114	113	< 0.03
	1/17/2013	# 9.0	# 6.0	# < 5.0	# 157	# 2.0	# 1.0	# 114	# 113	# < 0.03
	6/17/2013	8.0	7.0	6.0	160	3.0	< 1.0	112	112	< 0.03
	9/5/2013	8.0	7.0	5.0	157	2.0	< 1.0	109	109	< 0.03
URZJB-3	9/20/2011	12.0	7.0	5.0	132	4.0	< 1.0	111	154	< 0.03
	2/6/2012	13.0	6.0	< 5.0	146	4.0	1.0	113	150	< 0.03
	7/3/2012	13.0	6.0	< 5.0	147	4.0	< 1.0	110	142	< 0.03
	9/7/2012	14.0	7.0	< 5.0	153	4.0	1.0	108	149	< 0.03
	11/30/2012	15.0	7.0	< 5.0	149	3.0	1.0	119	156	< 0.03
	11/30/2012	# 15.0	# 7.0	# < 5.0	# 149	# 3.0	# 1.0	# 119	# 156	# < 0.03
URZJB-9	8/31/2011	13.0	6.0	7.0	133	5.0	1.0	101	143	0.03
	11/8/2011	15.0	6.0	< 5.0	143	4.0	1.0	106	140	< 0.03
	11/8/2011	# 15.0	# 6.0	# < 5.0	# 140	# 4.0	# 1.0	# 106	# 139	---
	1/31/2012	15.0	6.0	< 5.0	153	3.0	1.0	96.0	139	< 0.03
	4/5/2012	16.0	6.0	< 5.0	154	4.0	2.0	108	133	< 0.03
URZJB-15	3/14/2012	7.0	6.0	16.0	132	7.0	< 1.0	112	114	< 0.03
	6/27/2012	7.0	6.0	8.0	143	6.0	< 1.0	119	114	< 0.03
	10/2/2012	7.0	6.0	12.0	141	4.0	< 1.0	100.0	116	< 0.03
	11/7/2012	7.0	6.0	10.0	155	4.0	< 1.0	110	117	< 0.03
	1/16/2013	8.0	6.0	< 5.0	154	3.0	1.0	117	122	< 0.03
URZJB-21	9/28/2011	7.0	7.0	< 5.0	140	3.0	< 1.0	106	119	< 0.03
	9/28/2011	7.0	7.0	< 5.0	140	3.0	< 1.0	105	117	< 0.03
	2/15/2012	7.0	6.0	< 5.0	152	2.0	< 1.0	100.0	112	0.03
	4/20/2012	7.0	6.0	< 5.0	156	2.0	< 1.0	98.0	111	< 0.03
	11/13/2012	7.0	6.0	< 5.0	168	2.0	< 1.0	102	113	< 0.03
URZJC-10	8/31/2011	3.0	7.0	12.0	97	5.0	< 1.0	76.0	84.0	0.07
	2/13/2012	3.0	8.0	10.0	120	6.0	< 1.0	87.0	86.0	< 0.03
	7/3/2012	9.0	8.0	< 5.0	163	5.0	1.0	96.0	85.0	< 0.03
	9/6/2012	8.0	8.0	< 5.0	165	6.0	< 1.0	92.0	88.0	< 0.03
	11/14/2012	11.0	8.0	< 5.0	171	4.0	1.0	94.0	89.0	< 0.03
URZJF-5	9/23/2011	19.0	5.0	23.0	7	32.0	< 1.0	187	418	0.06
	3/7/2012	20.0	5.0	15.0	< 5	27.0	< 1.0	195	415	< 0.03
	11/30/2012	48.0	5.0	< 5.0	77	15.0	6.0	209	499	< 0.03
	11/30/2012	# 47.0	# 5.0	# < 5.0	# 79	# 15.0	# 7.0	# 211	# 498	# < 0.03

TABLE D6E.1-1. JANE DOUGH GROUND-WATER QUALITY DATA. (cont'd.)

Well Name	Date	Ca (mg/l)	Cl (mg/l)	CO3 (mg/l)	HCO3 (mg/l)	K (mg/l)	Mg (mg/l)	Na (mg/l)	SO4 (mg/l)	Fe (mg/l)
URZJC-16	6/17/2013	220.0	7.0	< 5.0	200	11.0	39.0	269	1030	< 0.03
URZJC-22	9/29/2011	268.0	8.0	< 5.0	188	11.0	54.0	162	1020	0.38
	3/14/2012	266.0	8.0	< 5.0	218	11.0	52.0	161	1080	0.60
	4/19/2012	279.0	8.0	< 5.0	220	10.0	59.0	151	1080	0.64
	12/17/2012	249.0	8.0	< 5.0	229	10.0	52.0	153	1060	0.84
URZJF-5	9/23/2011	19.0	5.0	23.0	7	32.0	< 1.0	187	418	0.06
	3/7/2012	20.0	5.0	15.0	< 5	27.0	< 1.0	195	415	< 0.03
	11/30/2012	48.0	5.0	< 5.0	77	15.0	6.0	209	499	< 0.03
	11/30/2012	# 47.0	# 5.0	# < 5.0	# 79	# 15.0	# 7.0	# 211	# 498	# < 0.03
	2/1/2013	54.0	5.0	< 5.0	91	12.0	8.0	208	496	< 0.03
URZJF-11	8/31/2011	14.0	7.0	35.0	< 5	37.0	< 1.0	198	399	14.50
	9/23/2011	298.0	8.0	< 5.0	162	13.0	78.0	161	1260	92.80
	11/2/2012	65.0	6.0	21.0	< 5	46.0	< 1.0	202	564	< 0.03
	1/7/2013	74.0	7.0	18.0	< 5	42.0	< 1.0	236	621	< 0.03
URZJF-17	12/9/2011	285.0	7.0	< 5.0	169	11.0	73.0	143	1220	< 0.03
	1/23/2012	328.0	8.0	< 5.0	154	12.0	76.0	156	1220	< 0.03
	6/25/2012	282.0	8.0	< 5.0	166	12.0	69.0	149	1210	< 0.03
	9/28/2012	289.0	9.0	< 5.0	172	12.0	76.0	159	1190	< 0.03
URZJQ-24-1	7/20/2012	481.0	22.0	< 5.0	401	7.0	151.0	393	2370	< 0.03
	11/2/2012	518.0	27.0	< 5.0	446	7.0	163.0	427	2560	< 0.03
	1/7/2013	515.0	23.0	< 5.0	444	8.0	168.0	464	2490	< 0.03
	1/7/2013	# 533.0	# 22.0	# < 5.0	# 430	# 8.0	# 168.0	# 446	# 2480	# < 0.03
	6/12/2013	477.0	20.0	< 5.0	420	7.0	148.0	396	2290	< 0.03
URZJQ-25	12/28/2010	383.0	13.0	< 5.0	341	8.0	105.0	268	1730	0.05
	1/26/2011	370.0	12.0	< 5.0	326	8.0	102.0	246	1670	< 0.03
	5/6/2011	400.0	12.0	< 5.0	315	7.0	104.0	246	1630	0.16
	8/11/2011	380.0	12.0	< 5.0	296	8.0	104.0	260	1620	0.19
	2/1/2012	412.0	12.0	< 5.0	318	7.0	106.0	251	1840	0.28
URZJQ-26	12/28/2010	509.0	50.0	< 5.0	460	12.0	157.0	643	2720	0.05
	1/26/2011	490.0	52.0	< 5.0	440	11.0	156.0	611	2730	0.05
	5/6/2011	484.0	50.0	< 5.0	448	11.0	157.0	632	2730	0.10
	8/11/2011	466.0	49.0	< 5.0	413	10.0	152.0	616	2660	0.67
	3/14/2012	513.0	59.0	< 5.0	451	12.0	168.0	680	2900	0.67

TABLE JD-D6E.1-1. JANE DOUGH UNIT GROUND-WATER QUALITY DATA. (cont'd.)

Well Name	Date	Temp (deg. C)	TDS (mg/l)	Cond (µmhos)	Cond(f) (µmhos)	pH (units)	pH(f) (std. units)	Mn (mg/l)	NH3 (mg/l)	NO3+NO2
Dry Fork	6/28/2010	---	279	---	---	8.78	---	0.01	0.05	0.1
Flowing #5	7/19/2010	---	272	453	---	8.15	---	0.01	0.07	0.1
	10/4/2010	---	283	---	---	---	---	0.01	0.05	0.1
	1/6/2011	---	253	---	---	9.07	---	0.01	0.05	0.1
	8/15/2011	---	272	---	---	8.70	---	0.01	0.05	0.1
	1/20/2012	---	288	---	---	8.70	---	0.01	0.05	0.1
	7/17/2012	---	304	---	---	8.70	---	0.01	0.05	0.1
	11/7/2012	---	291	---	---	8.73	---	0.01	0.05	0.1
	1/7/2013	---	281	---	---	8.69	---	0.02	0.05	0.1
N1	12/15/2011	---	303	---	---	8.50	---	< 0.01	< 0.05	< 0.1
	1/20/2012	---	309	---	---	8.59	---	< 0.01	< 0.05	< 0.1
NQ-4	12/17/2007	10.7	3900	4440	2710	7.34	6.95	1.95	0.34	< 0.1
	6/24/2008	11.3	3910	4170	4270	7.19	6.83	1.84	0.20	< 0.1
	9/9/2008	10.9	3820	4360	4310	7.31	6.93	1.87	0.22	< 0.1
	11/21/2008	4.70	3980	4330	5110	7.40	6.65	1.92	0.25	< 0.1
	6/4/2012	---	4090	---	---	7.22	---	2.13	0.20	< 0.1
Pats #1	1/24/2011	---	369	---	---	8.47	---	0.01	< 0.05	< 0.1
	8/10/2011	---	376	---	---	8.45	---	0.01	< 0.05	< 0.1
	1/20/2012	---	377	---	---	8.41	---	< 0.01	< 0.05	< 0.1
Pug #1	1/24/2011	---	---	---	---	8.64	---	0.01	< 0.05	< 0.1
	1/24/2011	---	293	---	---	---	---	---	---	---
	8/12/2011	---	286	---	---	8.51	---	0.01	0.09	< 0.1
	1/23/2012	---	279	---	---	8.53	---	0.01	0.11	< 0.1
Pug #2	12/29/2010	---	240	---	---	8.60	---	0.01	0.16	< 0.1
Seventeen	6/28/2010	15.2	271	---	444	8.54	8.38	0.01	0.05	0.1
Mile #1	7/19/2010	10.00	264	426	448	7.96	8.41	0.01	0.09	0.1
	10/4/2010	9.90	272	---	448	8.65	8.50	0.01	0.05	0.1
	1/6/2011	8.00	280	---	430	8.54	8.17	0.01	0.05	0.1
	8/15/2011	9.90	261	---	429	8.66	8.83	0.01	0.05	0.1
	1/20/2012	6.80	248	---	459	8.64	8.88	0.01	0.05	0.1
	7/17/2012	15.9	281	---	443	8.60	8.26	0.01	0.05	0.1
	11/7/2012	15.1	269	---	436	8.66	8.30	0.01	0.05	0.1
	1/7/2013	12.5	264	---	432	8.61	8.28	0.01	0.05	0.1
URZJ1-12	9/1/2011	11.9	218	391	388	9.62	10.74	< 0.01	0.06	< 0.1
	12/2/2011	7.40	269	407	467	8.79	9.25	< 0.01	0.06	< 0.1
	2/1/2012	15.3	231	412	407	8.95	9.03	< 0.01	0.06	< 0.1
	3/28/2012	16.6	281	402	475	8.93	8.87	< 0.01	0.06	< 0.1
	6/15/2012	18.1	264	430	407	8.82	8.61	< 0.01	0.08	< 0.1

TABLE JD-D6E.1-1. JANE DOUGH UNIT GROUND-WATER QUALITY DATA. (cont'd.)

Well Name	Date	Temp (deg. C)	TDS (mg/l)	Cond (µmhos)	Cond(f) (µmhos)	pH (units)	pH(f) (std. units)	Mn (mg/l)	NH3 (mg/l)	NO3+NO2
URZJ1-12	9/7/2012	16.2	262	427	455	8.91	8.67	< 0.01	0.07	< 0.1
URZJ1-23-1	6/5/2013	13.7	249	408	405	8.66	8.72	< 0.01	< 0.05	< 0.1
URZJA-1	9/14/2011	7.80	385	556	566	8.93	9.60	< 0.01	< 0.05	< 0.1
	3/7/2012	14.8	332	543	562	8.98	7.39	< 0.01	< 0.05	< 0.1
	6/19/2012	14.1	366	564	533	8.58	8.63	< 0.01	< 0.05	< 0.1
	7/18/2012	14.2	362	566	534	8.41	8.20	< 0.01	0.06	< 0.1
URZJA-2	9/21/2011	9.80	715	570	587	9.29	10.37	< 0.01	< 0.05	< 0.1
	2/6/2012	13.7	346	599	600	9.39	9.50	< 0.01	< 0.05	< 0.1
	12/12/2012	11.9	374	567	574	8.72	8.37	< 0.01	< 0.05	< 0.1
	1/30/2013	12.7	363	565	564	8.59	8.36	< 0.01	< 0.05	< 0.1
URZJA-7	9/1/2011	10.7	331	586	586	9.20	10.11	< 0.01	< 0.05	< 0.1
	11/7/2011	8.20	350	559	629	9.02	10.04	< 0.01	< 0.05	< 0.1
	2/1/2012	13.9	333	589	584	8.71	8.71	< 0.01	< 0.05	< 0.1
	12/6/2012	12.5	375	569	582	8.40	8.00	0.01	< 0.05	< 0.1
URZJA-8	9/12/2011	11.2	356	535	631	9.30	10.39	< 0.01	< 0.05	< 0.1
	11/7/2011	9.00	340	545	616	9.37	10.52	< 0.01	< 0.05	< 0.1
	1/31/2012	14.4	308	561	547	9.02	9.12	0.01	< 0.05	< 0.1
	6/21/2012	15.3	345	543	515	8.58	8.76	0.01	< 0.05	< 0.1
URZJA-13-1	1/10/2013	14.9	317	507	491	9.05	8.85	< 0.01	< 0.05	< 0.1
	6/10/2013	35.0	315	506	505	8.78	7.81	< 0.01	< 0.05	< 0.1
	9/18/2013	17.9	448	789	771	8.30	7.89	0.04	0.06	< 0.1
	11/1/2013	14.8	299	---	497	8.69	7.95	< 0.01	< 0.05	< 0.1
URZJA-14-1	1/10/2013	15.0	312	500	491	8.89	8.84	< 0.01	< 0.05	< 0.1
	6/6/2013	18.7	323	502	521	8.46	8.08	< 0.01	< 0.05	< 0.1
	9/19/2013	17.2	316	522	512	8.50	8.49	< 0.01	< 0.05	< 0.1
	11/6/2013	14.1	304	---	498	9.00	8.80	< 0.01	< 0.05	< 0.1
URZJA-19	3/14/2012	16.6	347	552	573	9.94	7.48	< 0.01	0.07	< 0.1
	6/29/2012	19.9	342	522	491	9.44	9.00	< 0.01	< 0.05	< 0.1
	7/17/2012	17.8	320	524	489	9.31	9.05	< 0.01	0.06	< 0.1
	11/13/2012	13.8	305	510	507	8.92	8.49	< 0.01	< 0.05	< 0.1
URZJA-20	11/13/2012	13.3	317	528	528	8.74	8.46	< 0.01	< 0.05	< 0.1
	1/17/2013	12.9	323	530	515	8.67	8.42	0.01	< 0.05	< 0.1
	1/17/2013	12.9	# 325	# 531	515	# 8.67	8.42	# 0.01	# < 0.05	# < 0.1
	6/17/2013	15.1	327	511	543	8.90	8.49	0.01	< 0.05	< 0.1
	9/5/2013	16.4	328	523	541	8.83	8.39	0.01	< 0.05	< 0.1
URZJB-3	9/20/2011	12.8	390	579	596	8.68	8.71	< 0.01	< 0.05	0.1
	2/6/2012	12.8	350	600	595	8.58	8.31	< 0.01	< 0.05	< 0.1
	7/3/2012	14.1	354	594	562	8.59	8.46	< 0.01	< 0.05	< 0.1

TABLE D6E.1-1. JANE DOUGH UNIT GROUND-WATER QUALITY DATA. (cont'd.)

Well Name	Date	Temp (deg. C)	TDS (mg/l)	Cond (µmhos)	Cond(f) (µmhos)	pH (units)	pH(f) (std.	Mn (mg/l)	NH3 (mg/l)	NO3+NO2 (mg/l)
URZJB-3	9/7/2012	14.9	371	587	616	8.52	8.19	< 0.01	< 0.05	< 0.1
	11/30/2012	13.2	371	583	583	8.37	7.98	< 0.01	< 0.05	< 0.1
	11/30/2012	# 13.2	# 371	# 582	# 583	# 8.38	# 7.98	# < 0.01	# < 0.05	# < 0.1
URZJB-9	8/31/2011	8.60	358	556	558	8.51	9.17	< 0.01	< 0.05	< 0.1
	11/8/2011	8.20	367	568	644	8.41	8.23	< 0.01	< 0.05	< 0.1
	11/8/2011	# 8.20	# 368	# 570	# 644	# 8.40	# 8.23	# < 0.01	# < 0.05	# < 0.1
	1/31/2012	13.8	451	584	588	8.14	8.28	0.01	< 0.05	< 0.1
	4/5/2012	15.6	378	554	618	8.44	8.75	< 0.01	< 0.05	< 0.1
URZJB-15	3/14/2012	15.4	339	536	554	9.44	7.34	< 0.01	< 0.05	< 0.1
	6/27/2012	17.2	359	539	509	9.19	8.90	< 0.01	< 0.05	< 0.1
	10/2/2012	18.0	332	540	557	9.09	8.94	< 0.01	< 0.05	< 0.1
	11/7/2012	16.9	340	532	539	9.06	8.90	< 0.01	< 0.05	< 0.1
	1/16/2013	12.6	330	545	494	8.75	8.58	< 0.01	< 0.05	< 0.1
URZJB-21	9/28/2011	11.3	303	509	500	8.65	9.04	< 0.01	< 0.05	< 0.1
	9/28/2011	# 11.3	314	507	# 500	8.63	# 9.04	< 0.01	< 0.05	< 0.1
	2/15/2012	13.4	319	514	459	8.61	9.53	< 0.01	< 0.05	< 0.1
	4/20/2012	15.6	306	517	536	8.53	8.61	< 0.01	< 0.05	< 0.1
	11/13/2012	14.2	305	518	506	8.59	8.10	< 0.01	< 0.05	< 0.1
URZJC-10	8/31/2011	8.00	251	419	430	9.31	10.25	< 0.01	< 0.05	< 0.1
	2/13/2012	13.4	256	456	459	9.25	9.53	< 0.01	< 0.05	< 0.1
	7/3/2012	20.1	285	487	450	8.74	8.42	< 0.01	< 0.05	< 0.1
	9/6/2012	20.0	303	471	491	8.78	8.70	< 0.01	< 0.05	< 0.1
	11/14/2012	14.7	297	487	486	8.51	8.48	< 0.01	< 0.05	2.4
URZJC-16	6/14/2012	14.6	1600	2080	2150	7.99	8.28	0.08	< 0.05	1.0
	10/2/2012	14.0	1710	2110	2180	7.74	7.13	0.10	< 0.05	1.4
	1/10/2013	12.0	1730	2160	2160	7.72	7.22	0.10	< 0.05	1.7
	1/10/2013	# 12.0	# 1700	# 2090	# 2160	# 7.69	# 7.22	# 0.10	# < 0.05	# 1.7
	6/17/2013	14.3	1790	2110	2260	7.60	7.05	0.11	< 0.05	2.4
URZJC-22	9/29/2011	7.30	1640	2000	1675	7.71	8.62	0.22	0.08	< 0.1
	3/14/2012	13.9	1760	2040	2030	7.51	7.15	0.20	0.06	< 0.1
	4/19/2012	16.8	1800	2120	2180	7.57	7.42	0.21	0.07	< 0.1
	12/17/2012	14.4	1810	2130	2180	7.45	7.15	0.19	< 0.05	< 0.1
URZJF-5	9/23/2011	6.30	697	1130	1174	11.00	12.96	< 0.01	0.18	< 0.1
	3/7/2012	15.9	686	1070	1098	10.80	7.43	< 0.01	0.19	< 0.1
	11/30/2012	25.2	803	1150	1205	8.65	8.39	< 0.01	0.07	< 0.1
	11/30/2012	# 25.2	# 798	# 1160	# 1205	# 8.65	# 8.39	# < 0.01	# 0.07	# < 0.1
	2/1/2013	19.2	810	1190	1170	8.42	8.93	< 0.01	0.09	< 0.1
URZJF-11	8/31/2011	9.50	678	1130	1046	10.80	12.83	0.12	0.10	< 0.1

TABLE D6E.1-1. JANE DOUGH UNIT GROUND-WATER QUALITY DATA. (cont'd.)

Well Name	Date	Temp (deg. C)	TDS (mg/l)	Cond (µmhos)	Cond(f) (µmhos)	pH (units)	pH(f) (std.	Mn (mg/l)	NH3 (mg/l)	NO3+NO2 (mg/l)
URZJF-11	9/23/2011	6.90	2000	2270	2780	7.61	6.59	0.24	< 0.05	0.7
	11/2/2012	12.4	998	1580	1659	11.10	11.31	< 0.01	0.16	< 0.1
	1/7/2013	10.2	1020	1590	1701	11.10	11.38	< 0.01	0.10	< 0.1
URZJF-17	12/9/2011	4.10	1930	528	2840	8.35	6.21	0.20	0.12	0.5
	1/23/2012	3.70	1990	2350	2870	7.67	6.58	0.08	< 0.05	0.7
	6/25/2012	15.4	1950	2240	225	7.68	7.10	0.12	0.07	0.8
	9/28/2012	6.90	1940	2200	2780	7.60	6.59	0.10	0.05	0.5
URZJQ-24-1	7/20/2012	13.0	3770	3860	4210	7.30	6.87	0.19	< 0.05	0.1
	11/2/2012	10.8	4160	4230	4470	7.25	6.99	0.04	< 0.05	< 0.1
	1/7/2013	9.70	3920	4260	4360	7.21	6.86	0.07	< 0.05	< 0.1
	1/7/2013	# 9.70	# 4180	# 4230	# 4360	# 7.19	# 6.86	# 0.07	# < 0.05	# < 0.1
	6/12/2013	11.6	3880	4010	4290	7.20	6.86	0.04	< 0.05	< 0.1
URZJQ-25	12/28/2010	6.30	2650	3090	3830	7.69	6.49	0.39	0.25	< 0.1
	1/26/2011	6.40	2640	2980	3570	7.31	6.41	0.41	< 0.05	< 0.1
	5/6/2011	6.49	2680	2980	3680	7.35	5.70	0.33	< 0.05	< 0.1
	8/11/2011	7.30	2640	2930	3480	7.85	6.43	0.31	< 0.05	< 0.1
	2/1/2012	11.5	3030	3310	3110	7.19	7.05	0.37	0.10	< 0.1
URZJQ-26	12/28/2010	6.00	4360	4830	5850	7.31	6.55	0.30	0.17	< 0.1
	1/26/2011	5.90	4400	4830	5920	7.22	6.45	0.23	< 0.05	< 0.1
	5/6/2011	4.70	4360	4670	5770	7.27	6.50	0.24	< 0.05	< 0.1
	8/11/2011	6.40	4280	4630	5740	7.79	6.55	0.30	< 0.05	< 0.1
	3/14/2012	10.1	4740	4860	4860	7.16	7.17	0.32	< 0.05	< 0.1

TABLE JD-D6E.1-1. JANE DOUGH UNIT GROUND-WATER QUALITY DATA. (cont'd.)

Well Name	Date	F (mg/l)	Al (mg/l)	As (mg/l)	Ba (mg/l)	Cr (mg/l)	Cu (mg/l)	B (mg/l)	Cd (mg/l)	Hg (mg/l)
Dry Fork	6/28/2010	0.40	0.10	0.001	0.10	0.050	0.01	0.10	0.005	0.0010
Flowing #5	7/19/2010	0.40	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	10/4/2010	0.40	0.10	0.001	0.10	0.050	---	0.10	0.005	0.0010
	1/6/2011	0.40	0.10	0.001	0.10	0.050	0.01	0.10	0.005	0.0010
	8/15/2011	0.40	0.10	0.001	0.10	0.050	0.01	0.10	0.005	0.0010
	1/20/2012	0.40	0.10	0.001	0.10	0.050	0.01	0.10	0.005	0.0010
	7/17/2012	0.40	0.10	0.001	0.10	0.050	0.01	0.10	0.005	0.0010
	11/7/2012	0.40	0.10	0.001	0.10	0.050	0.01	0.10	0.005	0.0010
	1/7/2013	0.40	0.10	0.001	0.10	0.050	0.01	0.10	0.005	0.0010
N1	12/15/2011	0.20	< 0.10	0.003	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	1/20/2012	0.30	< 0.10	0.004	< 0.10	< 0.050	< 0.01	0.10	< 0.005	< 0.0010
NQ-4	12/17/2007	0.20	< 0.10	0.005	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	6/24/2008	0.20	< 0.10	0.005	< 0.10	< 0.050	< 0.01	0.10	< 0.005	< 0.0010
	9/9/2008	0.17	< 0.10	0.002	< 0.10	< 0.050	< 0.01	0.10	< 0.005	< 0.0010
	11/21/2008	0.20	< 0.10	0.006	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	6/4/2012	0.10	< 0.10	0.004	< 0.10	< 0.050	< 0.01	0.10	< 0.005	< 0.0010
Pats #1	1/24/2011	0.10	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	8/10/2011	0.10	< 0.10	0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	1/20/2012	0.10	< 0.10	0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
Pug #1	1/24/2011	0.80	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	8/12/2011	0.70	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	1/23/2012	0.70	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
Pug #2	12/29/2010	0.70	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
Seventeen	6/28/2010	0.60	0.10	0.001	0.10	0.050	0.01	0.10	0.005	0.0010
Mile #1	7/19/2010	0.60	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	10/4/2010	0.60	0.10	0.001	0.10	0.050	0.01	0.10	0.005	0.0010
	1/6/2011	0.60	0.10	0.001	0.10	0.050	0.01	0.10	0.005	0.0010
	8/15/2011	0.60	0.10	0.001	0.10	0.050	0.01	0.10	0.005	0.0010
	1/20/2012	0.60	0.10	0.001	0.10	0.050	0.01	0.10	0.005	0.0010
	7/17/2012	0.60	0.10	0.001	0.10	0.050	0.01	0.10	0.005	0.0010
	11/7/2012	0.60	0.10	0.001	0.10	0.050	0.01	0.10	0.005	0.0010
	1/7/2013	0.60	0.10	0.001	0.10	0.050	0.01	0.10	0.005	0.0010
URZJ1-12	9/1/2011	0.60	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	12/2/2011	0.60	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	2/1/2012	0.60	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	3/28/2012	0.70	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	6/15/2012	0.70	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	9/7/2012	0.70	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010

TABLE JD-D6E.1-1. JANE DOUGH UNIT GROUND-WATER QUALITY DATA. (cont'd.)

Well Name	Date	F (mg/l)	Al (mg/l)	As (mg/l)	Ba (mg/l)	Cr (mg/l)	Cu (mg/l)	B (mg/l)	Cd (mg/l)	Hg (mg/l)
URZJ1-23-1	6/5/2013	0.60	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
URZJA-1	9/14/2011	0.20	< 0.10	0.003	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	3/7/2012	0.20	< 0.10	0.003	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	6/19/2012	0.20	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	7/18/2012	0.20	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
URZJA-2	9/21/2011	0.20	< 0.10	0.003	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	2/6/2012	0.20	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	12/12/2012	0.20	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	1/30/2013	0.20	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
URZJA-7	9/1/2011	0.10	< 0.10	0.003	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	11/7/2011	0.20	< 0.10	0.004	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	2/1/2012	0.30	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	12/6/2012	0.20	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
URZJA-8	9/12/2011	0.20	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	11/7/2011	0.20	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	1/31/2012	0.20	0.04	0.002	< 0.05	< 0.005	< 0.01	< 0.05	< 0.001	< 0.0001
	6/21/2012	0.20	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
URZJA-13-1	1/10/2013	0.40	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	6/10/2013	0.30	< 0.10	0.003	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	9/18/2013	0.40	< 0.10	0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	11/1/2013	0.40	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
URZJA-14-1	1/10/2013	0.40	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	6/6/2013	0.40	< 0.10	0.003	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	9/19/2013	0.40	< 0.10	0.004	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	11/6/2013	0.40	< 0.10	0.003	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
URZJA-19	3/14/2012	0.30	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	6/29/2012	0.30	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	7/17/2012	0.30	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	11/13/2012	0.30	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
URZJA-20	11/13/2012	0.20	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	1/17/2013	0.20	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	1/17/2013	# 0.20	# < 0.10	# 0.002	# < 0.10	# < 0.050	# < 0.01	# < 0.10	# < 0.005	# < 0.0010
	6/17/2013	0.20	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	9/5/2013	0.30	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
URZJB-3	9/20/2011	0.20	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	2/6/2012	0.20	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	7/3/2012	0.20	< 0.10	0.003	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	9/7/2012	0.10	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010

TABLE D6E.1-1. JANE DOUGH UNITGROUND-WATER QUALITY DATA. (cont'd.)

Well Name	Date	F (mg/l)	Al (mg/l)	As (mg/l)	Ba (mg/l)	Cr (mg/l)	Cu (mg/l)	B (mg/l)	Cd (mg/l)	Hg (mg/l)
URZJB-3	11/30/2012	0.20	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	11/30/2012	# 0.20	# < 0.10	# 0.002	# < 0.10	# < 0.050	# < 0.01	# < 0.10	# < 0.005	# < 0.0010
URZJB-9	8/31/2011	0.10	< 0.10	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	11/8/2011	0.20	< 0.10	0.003	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	11/8/2011	# 0.20	# < 0.10	# 0.003	# < 0.10	# < 0.050	# < 0.01	# < 0.10	# < 0.005	# < 0.0010
	1/31/2012	0.20	< 0.03	0.003	< 0.05	< 0.005	< 0.01	< 0.05	< 0.001	< 0.0001
	4/5/2012	0.10	< 0.10	0.003	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
URZJB-15	3/14/2012	0.20	< 0.10	0.006	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	6/27/2012	0.20	< 0.10	0.005	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	10/2/2012	0.30	< 0.10	0.004	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	11/7/2012	0.20	< 0.10	0.004	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	1/16/2013	0.20	< 0.10	0.005	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
URZJB-21	9/28/2011	0.40	0.10	0.003	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	9/28/2011	0.40	< 0.10	0.004	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	2/15/2012	0.20	< 0.10	0.003	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	4/20/2012	0.30	< 0.10	0.003	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	11/13/2012	0.30	< 0.10	0.003	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
URZJC-10	8/31/2011	0.60	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	2/13/2012	0.40	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	7/3/2012	0.40	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	9/6/2012	0.40	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	11/14/2012	0.40	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
URZJC-16	6/14/2012	0.10	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	0.20	< 0.005	< 0.0010
	10/2/2012	0.10	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	1/10/2013	0.10	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	1/10/2013	# 0.10	# < 0.10	# < 0.001	# < 0.10	# < 0.050	# < 0.01	# < 0.10	# < 0.005	# < 0.0010
	6/17/2013	0.10	< 0.10	0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
URZJC-22	9/29/2011	0.20	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	3/14/2012	0.20	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	4/19/2012	0.10	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	12/17/2012	0.20	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
URZJF-5	9/23/2011	0.50	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	3/7/2012	0.50	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	11/30/2012	0.40	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	11/30/2012	# 0.40	# < 0.10	# < 0.001	# < 0.10	# < 0.050	# < 0.01	# < 0.10	# < 0.005	# < 0.0010
	2/1/2013	0.40	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
URZJF-11	8/31/2011	0.40	1.20	0.002	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	9/23/2011	0.10	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	0.10	< 0.005	< 0.0010

TABLE D6E.1-1. JANE DOUGH UNITGROUND-WATER QUALITY DATA. (cont'd.)

Well Name	Date	F (mg/l)	Al (mg/l)	As (mg/l)	Ba (mg/l)	Cr (mg/l)	Cu (mg/l)	B (mg/l)	Cd (mg/l)	Hg (mg/l)
URZJF-11	11/2/2012	0.20	0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	1/7/2013	0.20	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
URZJF-17	12/9/2011	< 0.10	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	1/23/2012	< 0.10	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	6/25/2012	< 0.10	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	9/28/2012	< 0.10	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
URZJQ-24-1	7/20/2012	0.20	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	11/2/2012	0.20	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	1/7/2013	0.20	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	1/7/2013	# 0.20	# < 0.10	# < 0.001	# < 0.10	# < 0.050	# 0.01	# < 0.10	# < 0.005	# < 0.0010
	6/12/2013	0.20	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
URZJQ-25	12/28/2010	0.30	< 0.10	< 0.001	< 0.10	< 0.050	0.01	0.20	< 0.005	< 0.0010
	1/26/2011	0.20	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	5/6/2011	0.20	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	8/11/2011	< 0.50	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	2/1/2012	0.20	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
URZJQ-26	12/28/2010	0.30	< 0.10	< 0.001	< 0.10	< 0.050	0.01	< 0.10	< 0.005	< 0.0010
	1/26/2011	0.30	< 0.10	0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	5/6/2011	0.20	< 0.10	< 0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	8/11/2011	< 0.50	< 0.10	0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010
	3/14/2012	0.30	< 0.10	0.001	< 0.10	< 0.050	< 0.01	< 0.10	< 0.005	< 0.0010

TABLE JD-D6E.1-1. JANE DOUGH UNIT GROUND-WATER QUALITY (cont'd.)

Well Name	Date	Mo (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Unat (mg/l)	V (mg/l)	Zn (mg/l)
Dry Fork	6/28/2010	0.1	0.050	0.001	0.001	0.0023	0.100	0.01
Flowing #5	7/19/2010	< 0.1	< 0.050	< 0.001	< 0.001	0.0021	< 0.100	0.02
	10/4/2010	0.1	---	0.001	0.001	0.0021	0.100	0.01
	1/6/2011	0.1	0.050	0.001	0.001	0.0016	0.100	0.04
	8/15/2011	0.1	0.050	0.001	0.001	0.0020	0.100	0.01
	1/20/2012	0.1	0.050	0.001	0.001	0.0020	0.100	0.01
	7/17/2012	0.1	0.050	0.001	0.001	0.0020	0.100	0.01
	11/7/2012	0.1	0.050	0.001	0.001	0.0022	0.100	0.01
	1/7/2013	0.1	0.050	0.001	0.001	0.0020	0.100	0.01
N1	12/15/2011	< 0.1	< 0.050	< 0.001	0.003	0.0275	< 0.100	0.01
	1/20/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0250	< 0.100	< 0.01
	7/23/2012	---	---	---	---	0.0250	---	---
NQ-4	12/17/2007	< 0.1	< 0.050	< 0.001	0.002	0.0946	< 0.100	< 0.01
	6/24/2008	< 0.1	< 0.050	< 0.001	0.001	0.0832	< 0.100	< 0.01
	9/9/2008	< 0.1	< 0.050	< 0.001	< 0.001	0.0867	< 0.100	< 0.01
	11/21/2008	< 0.1	< 0.050	< 0.001	< 0.001	0.0844	< 0.100	0.04
	6/4/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0923	< 0.100	0.02
Pats #1	1/24/2011	< 0.1	< 0.050	< 0.001	< 0.001	0.0359	< 0.100	< 0.01
	8/10/2011	< 0.1	< 0.050	< 0.001	0.005	0.0462	< 0.100	< 0.01
	1/20/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0375	< 0.100	< 0.01
	7/23/2012	---	---	---	---	0.0416	---	---
	11/2/2012	---	---	---	---	0.0428	---	---
Pug #1	1/24/2011	< 0.1	< 0.050	< 0.001	---	---	---	---
	1/24/2011	---	---	---	< 0.001	< 0.0003	< 0.100	< 0.01
	8/12/2011	< 0.1	< 0.050	< 0.001	< 0.001	< 0.0003	< 0.100	< 0.01
	1/23/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0005	< 0.100	< 0.01
Pug #2	12/29/2010	< 0.1	< 0.050	< 0.001	< 0.001	0.0035	< 0.100	< 0.01
	7/23/2012	---	---	---	---	< 0.0003	---	---
	11/2/2012	---	---	---	---	< 0.0003	---	---
Seventeen	6/28/2010	0.1	0.050	0.001	0.001	0.0049	0.100	0.01
Mile #1	7/19/2010	< 0.1	< 0.050	< 0.001	< 0.001	0.0047	< 0.100	< 0.01
	10/4/2010	0.1	0.050	0.001	0.001	0.0047	0.100	0.01
	1/6/2011	0.1	0.050	0.001	0.001	0.0026	0.100	0.01
	8/15/2011	0.1	0.050	0.001	0.001	0.0047	0.100	0.01
	1/20/2012	0.1	0.050	0.001	0.001	0.0034	0.100	0.01
	7/17/2012	0.1	0.050	0.001	0.001	0.0044	0.100	0.01
	11/7/2012	0.1	0.050	0.001	0.001	0.0048	0.100	0.01
	1/7/2013	0.1	0.050	0.001	0.001	0.0046	0.100	0.02

TABLE JD-D6E.1-1. JANE DOUGH UNIT GROUND-WATER QUALITY (cont'd.)

Well Name	Date	Mo (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Unat (mg/l)	V (mg/l)	Zn (mg/l)
URZJ1-12	9/1/2011	< 0.1	< 0.050	< 0.001	< 0.001	< 0.0003	< 0.100	< 0.01
	12/2/2011	< 0.1	< 0.050	< 0.001	< 0.001	< 0.0003	< 0.100	< 0.01
	2/1/2012	< 0.1	< 0.050	0.001	< 0.001	0.0004	< 0.100	< 0.01
	3/28/2012	< 0.1	< 0.050	< 0.001	0.003	< 0.0003	< 0.100	< 0.01
	6/15/2012	< 0.1	< 0.050	< 0.001	0.003	0.0003	< 0.100	0.01
	9/7/2012	< 0.1	< 0.050	< 0.001	< 0.001	< 0.0003	< 0.100	< 0.01
URZJ1-23-1	6/5/2013	< 0.1	< 0.050	< 0.001	< 0.001	< 0.0003	< 0.100	< 0.01
URZJA-1	9/14/2011	< 0.1	< 0.050	< 0.001	< 0.001	0.0322	< 0.100	< 0.01
	3/7/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0326	< 0.100	< 0.01
	6/19/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0323	< 0.100	< 0.01
	7/18/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0385	< 0.100	0.01
URZJA-2	9/21/2011	< 0.1	< 0.050	< 0.001	< 0.001	0.0270	< 0.100	< 0.01
	2/6/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0150	< 0.100	0.01
	12/12/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0316	< 0.100	< 0.01
	1/30/2013	< 0.1	< 0.050	< 0.001	< 0.001	0.0241	< 0.100	< 0.01
URZJA-7	9/1/2011	< 0.1	< 0.050	< 0.001	< 0.001	0.0472	< 0.100	< 0.01
	11/7/2011	< 0.1	< 0.050	< 0.001	< 0.001	0.0335	< 0.100	< 0.01
	2/1/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0410	< 0.100	< 0.01
	12/6/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0495	< 0.100	0.01
URZJA-8	9/12/2011	< 0.1	< 0.050	< 0.001	< 0.001	0.0292	< 0.100	< 0.01
	11/7/2011	< 0.1	< 0.050	< 0.001	< 0.001	0.0299	< 0.100	< 0.01
	1/31/2012	0.0	< 0.005	< 0.001	< 0.001	0.0134	< 0.010	< 0.01
	6/21/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0294	< 0.100	< 0.01
URZJA-13-1	1/10/2013	< 0.1	< 0.050	< 0.001	< 0.001	0.0199	< 0.100	< 0.01
	6/10/2013	< 0.1	< 0.050	< 0.001	< 0.001	0.0244	< 0.100	0.04
	9/18/2013	< 0.1	< 0.050	< 0.001	0.002	0.0221	< 0.100	< 0.01
	11/1/2013	< 0.1	< 0.050	< 0.001	< 0.001	0.0286	< 0.100	0.01
URZJA-14-1	1/10/2013	< 0.1	< 0.050	< 0.001	< 0.001	0.0254	< 0.100	< 0.01
	6/6/2013	< 0.1	< 0.050	< 0.001	< 0.001	0.0249	< 0.100	< 0.01
	9/19/2013	< 0.1	< 0.050	< 0.001	< 0.001	0.0386	< 0.100	< 0.01
	11/6/2013	< 0.1	< 0.050	< 0.001	< 0.001	0.0284	< 0.100	< 0.01
URZJA-19	3/14/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0005	< 0.100	< 0.01
	6/29/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0006	< 0.100	< 0.01
	7/17/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0013	< 0.100	< 0.01
	11/13/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0011	< 0.100	< 0.01
URZJA-20	11/13/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0144	< 0.100	< 0.01
	1/17/2013	< 0.1	< 0.050	< 0.001	< 0.001	0.0141	< 0.100	< 0.01
	1/17/2013	# < 0.1	# < 0.050	# < 0.001	# < 0.001	# 0.0143	# < 0.100	# < 0.01

TABLE D6E.1-1. JANE DOUGH UNIT GROUND-WATER QUALITY (cont'd.)

Well Name	Date	Mo (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Unat (mg/l)	V (mg/l)	Zn (mg/l)
URZJA-20	6/17/2013	< 0.1	< 0.050	< 0.001	< 0.001	0.0131	< 0.100	< 0.01
	9/5/2013	< 0.1	< 0.050	< 0.001	< 0.001	0.0155	< 0.100	< 0.01
URZJB-3	9/20/2011	< 0.1	< 0.050	< 0.001	< 0.001	0.0431	< 0.100	< 0.01
	2/6/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0205	< 0.100	< 0.01
	7/3/2012	< 0.1	< 0.050	< 0.001	0.003	0.0444	< 0.100	0.02
	9/7/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0477	< 0.100	< 0.01
	11/30/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0451	< 0.100	< 0.01
	11/30/2012	# < 0.1	# < 0.050	# 0.001	# < 0.001	# 0.0462	# < 0.100	# < 0.01
URZJB-9	8/31/2011	< 0.1	< 0.050	< 0.001	< 0.001	0.0371	< 0.100	< 0.01
	11/8/2011	< 0.1	< 0.050	< 0.001	< 0.001	0.0476	< 0.100	< 0.01
	11/8/2011	# < 0.1	# < 0.050	# < 0.001	# < 0.001	# 0.0404	# < 0.100	# 0.02
	1/31/2012	0.0	< 0.005	< 0.001	< 0.001	0.0221	< 0.010	< 0.01
	4/5/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0397	< 0.100	< 0.01
URZJB-15	3/14/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0371	< 0.100	< 0.01
	6/27/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0452	< 0.100	0.01
	10/2/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0480	< 0.100	< 0.01
	11/7/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0447	< 0.100	< 0.01
	1/16/2013	< 0.1	< 0.050	< 0.001	< 0.001	0.0462	< 0.100	< 0.01
URZJB-21	9/28/2011	< 0.1	< 0.050	< 0.001	< 0.001	0.0326	< 0.100	0.05
	9/28/2011	< 0.1	< 0.050	< 0.001	< 0.001	0.0493	< 0.100	< 0.01
	2/15/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0281	< 0.100	< 0.01
	4/20/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0287	< 0.100	< 0.01
	11/13/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0336	< 0.100	< 0.01
URZJC-10	8/31/2011	< 0.1	< 0.050	< 0.001	< 0.001	0.0005	< 0.100	< 0.01
	2/13/2012	< 0.1	< 0.050	< 0.001	< 0.001	< 0.0003	< 0.100	< 0.01
	7/3/2012	< 0.1	< 0.050	< 0.001	0.003	0.0006	< 0.100	0.02
	9/6/2012	< 0.1	< 0.050	< 0.001	< 0.001	< 0.0003	< 0.100	0.02
	11/14/2012	< 0.1	< 0.050	< 0.001	< 0.001	< 0.0003	< 0.100	0.02
URZJC-16	6/14/2012	< 0.1	< 0.050	< 0.001	0.021	0.1550	< 0.100	0.02
	10/2/2012	< 0.1	< 0.050	< 0.001	0.025	0.1760	< 0.100	< 0.01
	1/10/2013	< 0.1	< 0.050	< 0.001	0.032	0.1940	< 0.100	0.02
	1/10/2013	# < 0.1	# < 0.050	# < 0.001	# 0.032	# 0.1890	# < 0.100	# 0.01
	6/17/2013	< 0.1	< 0.050	< 0.001	0.040	0.1990	< 0.100	0.01
URZJC-22	9/29/2011	< 0.1	< 0.050	< 0.001	< 0.001	0.0535	< 0.100	0.04
	3/14/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0187	< 0.100	0.02
	4/19/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0157	< 0.100	0.03
	12/17/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0191	< 0.100	0.03
URZJF-5	9/23/2011	< 0.1	< 0.050	< 0.001	< 0.001	< 0.0003	< 0.100	0.01

TABLE D6E.1-1. JANE DOUGH UNIT GROUND-WATER QUALITY (cont'd.)

Well Name	Date	Mo (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Unat (mg/l)	V (mg/l)	Zn (mg/l)
URZJF-5	3/7/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0003	< 0.100	< 0.01
	11/30/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.0019	< 0.100	< 0.01
	11/30/2012	# < 0.1	# < 0.050	# < 0.001	# < 0.001	# 0.0005	# < 0.100	# < 0.01
	2/1/2013	< 0.1	< 0.050	< 0.001	< 0.001	< 0.0003	< 0.100	< 0.01
URZJF-11	8/31/2011	< 0.1	< 0.050	< 0.001	0.001	< 0.0003	< 0.100	0.02
	9/23/2011	< 0.1	< 0.050	< 0.001	0.034	0.0613	< 0.100	0.01
	11/2/2012	< 0.1	< 0.050	< 0.001	< 0.001	< 0.0003	< 0.100	< 0.01
	1/7/2013	< 0.1	< 0.050	< 0.001	< 0.001	< 0.0003	< 0.100	< 0.01
URZJF-17	12/9/2011	< 0.1	< 0.050	< 0.001	0.027	0.0628	< 0.100	< 0.01
	1/23/2012	< 0.1	< 0.050	< 0.001	0.033	0.0618	< 0.100	< 0.01
	6/25/2012	< 0.1	< 0.050	< 0.001	0.030	0.0568	< 0.100	0.02
	9/28/2012	< 0.1	< 0.050	< 0.001	0.025	0.0456	< 0.100	0.02
URZJQ-24-1	7/20/2012	< 0.1	< 0.050	< 0.001	0.003	0.1070	< 0.100	0.03
	11/2/2012	< 0.1	< 0.050	< 0.001	< 0.001	0.1200	< 0.100	< 0.01
	1/7/2013	< 0.1	< 0.050	< 0.001	< 0.001	0.1160	< 0.100	0.02
	1/7/2013	# < 0.1	# < 0.050	# < 0.001	# < 0.001	# 0.1090	# < 0.100	# < 0.01
	6/12/2013	< 0.1	< 0.050	< 0.001	< 0.001	0.1070	< 0.100	0.03
URZJQ-25	12/28/2010	< 0.1	< 0.050	0.002	< 0.001	0.0922	< 0.100	0.04
	1/26/2011	< 0.1	< 0.050	< 0.001	< 0.001	0.0837	< 0.100	0.02
	5/6/2011	< 0.1	< 0.050	< 0.001	< 0.001	0.0796	< 0.100	< 0.01
	8/11/2011	< 0.1	< 0.050	< 0.001	< 0.001	0.0844	< 0.100	< 0.01
	2/1/2012	< 0.1	< 0.050	< 0.001	0.001	0.0789	< 0.100	< 0.01
URZJQ-26	12/28/2010	< 0.1	< 0.050	0.002	< 0.001	0.0783	< 0.100	0.05
	1/26/2011	< 0.1	< 0.050	< 0.001	0.002	0.0730	< 0.100	0.02
	5/6/2011	< 0.1	< 0.050	< 0.001	0.001	0.0804	< 0.100	< 0.01
	8/11/2011	< 0.1	< 0.050	< 0.001	< 0.001	0.0824	< 0.100	< 0.01
	3/14/2012	< 0.1	< 0.050	0.002	0.002	0.0778	< 0.100	0.01

TABLE JD-D6E.1-1. JANE DOUGH UNIT GROUND-WATER QUALITY (cont.)

Well Name	Date	Ra226 (pCi/l)	Ra226(e) (pCi/l)	Ra228 (pCi/l)	Ra228(e)	Alpha (pCi/l)	Beta (pCi/l)
Dry Fork	6/28/2010	0.1	0.1	0.3	1.0	5.7	2.0
Flowing #5	7/19/2010	0.2	0.1	0.2	0.7	4.0	1.9
	10/4/2010	-0.1	0.1	---	---	---	2.4
	1/6/2011	0.0	0.1	0.7	0.7	5.6	2.3
	8/15/2011	-0.1	0.1	0.4	0.7	2.3	2.8
	1/20/2012	0.2	0.1	0.6	0.8	4.4	1.3
	7/17/2012	0.4	0.2	0.3	0.7	3.5	-0.5
	11/7/2012	0.1	0.1	2.1	0.8	3.4	0.5
	1/7/2013	0.3	0.1	1.2	0.7	5.2	0.6
N1	12/15/2011	0.2	0.1	2.2	0.9	35.3	8.5
	1/20/2012	0.2	0.1	0.2	0.9	35.4	7.1
	7/17/2012	0.0	0.1	---	---	---	---
	7/23/2012	0.2	0.1	---	---	---	---
	1/9/2013	0.5	0.2	---	---	---	---
	1/9/2013	0.3	0.2	---	---	---	---
	7/22/2013	0.0	0.1	---	---	---	---
NQ-4	12/17/2007	0.7	± 0.3	< 1.0	---	72.6	25.8
	6/24/2008	0.6	± 0.1	0.3	± 0.7	113.0	27.8
	9/9/2008	0.4	± 0.2	1.4	± 0.8	114.0	19.6
	11/21/2008	0.9	± 0.2	1.3	± 0.8	164.0	61.9
	6/4/2012	0.9	0.2	0.6	0.6	91.8	27.0
Pats #1	1/24/2011	0.2	0.1	0.6	0.7	37.0	12.3
	8/10/2011	-0.1	0.1	0.9	0.9	46.6	11.6
	1/20/2012	0.3	0.1	0.2	0.7	51.1	9.1
	7/17/2012	0.2	0.1	---	---	---	---
	7/23/2012	0.3	0.1	---	---	---	---
	11/2/2012	0.3	0.2	---	---	---	---
	1/30/2013	0.2	0.1	---	---	---	---
	7/23/2013	0.2	0.2	---	---	---	---
Pug #1	1/24/2011	---	---	---	---	-3.0	1.3
	1/24/2011	0.0	0.1	0.4	0.7	---	---
	8/12/2011	0.1	0.1	0.4	0.9	-4.0	0.9
	1/23/2012	0.3	0.1	0.6	0.9	-1.0	-0.1
Pug #2	12/29/2010	0.2	0.2	0.3	0.5	-0.2	-0.3
	7/17/2012	0.3	0.1	---	---	---	---
	7/23/2012	0.3	0.1	---	---	---	---
	11/2/2012	0.2	0.1	---	---	---	---
	1/9/2013	0.0	0.1	---	---	---	---
	7/23/2013	0.3	0.2	---	---	---	---

TABLE JD-D6E.1-1. JANE DOUGH UNIT GROUND-WATER QUALITY (cont.)

Well Name	Date	Ra226 (pCi/l)	Ra226(e) (pCi/l)	Ra228 (pCi/l)	Ra228(e)	Alpha (pCi/l)	Beta (pCi/l)
Seventeen Mile #1	6/28/2010	0.0	0.1	1.4	1.0	8.6	5.3
	7/19/2010	0.8	0.2	-0.1	0.7	8.4	2.2
	10/4/2010	-0.1	0.1	0.2	0.7	6.1	0.7
	1/6/2011	-0.1	0.1	1.0	0.7	5.9	-0.9
	8/15/2011	0.0	0.1	0.9	0.9	1.6	-4.0
	1/20/2012	0.3	0.1	-0.1	0.7	4.2	0.3
	7/17/2012	0.2	0.1	0.1	0.7	4.3	0.1
	11/7/2012	0.1	0.1	1.3	0.8	7.7	1.2
	1/7/2013	0.2	0.1	1.2	0.7	5.8	-0.2
URZJ1-12	9/1/2011	0.0	0.1	0.3	0.7	-3.0	4.3
	12/2/2011	0.3	0.2	0.2	1.1	-2.0	2.3
	2/1/2012	0.1	0.1	0.2	0.7	-1.0	-0.9
	3/28/2012	0.2	0.1	0.5	0.8	1.8	4.8
	6/15/2012	0.1	0.1	-0.3	0.9	-2.0	0.7
	9/7/2012	0.1	0.1	1.0	0.6	-2.0	0.0
URZJ1-23-1	6/5/2013	0.2	0.1	-0.4	0.8	-0.3	2.3
URZJA-1	9/14/2011	0.3	0.1	0.2	0.7	38.1	12.0
	3/7/2012	0.3	0.1	-0.1	0.7	46.8	10.6
	6/19/2012	0.5	0.2	0.0	0.7	47.4	6.4
	7/18/2012	0.6	0.2	0.0	0.7	37.2	3.6
URZJA-2	9/21/2011	165.0	2.4	0.8	0.8	968.0	611.0
	2/6/2012	168.0	2.6	3.0	0.9	1070.0	564.0
	12/12/2012	135.0	2.6	2.0	1.0	1030.0	484.0
	1/30/2013	243.0	3.2	4.7	1.3	505.0	175.0
URZJA-7	9/1/2011	0.1	0.2	0.4	0.7	60.8	21.0
	11/7/2011	0.2	0.1	0.0	0.6	62.6	20.4
	2/1/2012	0.2	0.1	0.9	0.6	64.9	19.3
	12/6/2012	0.1	0.2	0.0	0.9	55.8	13.7
URZJA-8	9/12/2011	5.9	0.5	1.2	0.7	58.5	30.7
	11/7/2011	5.7	0.5	0.3	0.7	95.7	43.9
	1/31/2012	4.4	0.4	0.3	0.7	56.3	32.4
	6/21/2012	9.6	0.7	-0.5	1.3	70.3	20.5
URZJA-13-1	1/10/2013	28.0	1.0	1.6	0.6	178.0	171.0
	6/10/2013	18.0	0.9	-0.6	0.9	119.0	43.9
	9/18/2013	33.0	1.2	1.0	0.8	90.4	17.0
	11/1/2013	2.6	0.3	1.6	1.2	48.1	57.9
URZJA-14-1	1/10/2013	1.6	0.3	0.9	0.6	55.0	29.2
	6/6/2013	2.4	0.3	0.6	0.9	41.3	9.7

TABLE D6E.1-1. JANE DOUGH UNIT GROUND-WATER QUALITY (cont.)

Well Name	Date	Ra226 (pCi/l)	Ra226(e) (pCi/l)	Ra228 (pCi/l)	Ra228(e) (pCi/l)	Alpha (pCi/l)	Beta (pCi/l)
URZJA-14-1	9/19/2013	5.8	0.5	0.4	0.8	64.4	8.1
	11/6/2013	3.6	0.4	0.9	1.0	63.5	20.4
URZJA-19	3/14/2012	0.2	0.1	0.3	0.8	-0.5	8.9
	6/29/2012	0.1	0.1	-0.5	0.8	-0.7	1.1
	7/17/2012	0.1	0.1	-0.3	0.7	0.2	1.7
	11/13/2012	-0.1	0.1	1.6	0.9	1.7	0.3
URZJA-20	11/13/2012	1.3	0.3	3.5	1.1	26.0	22.9
	1/17/2013	1.0	0.2	1.2	0.8	24.3	12.0
	1/17/2013	# 1.2	# 0.2	# 0.7	# 0.8	# 21.8	# 9.4
	6/17/2013	1.4	0.3	0.2	1.0	26.6	6.5
	9/5/2013	1.6	0.3	1.2	0.8	28.6	8.9
URZJB-3	9/20/2011	0.1	0.1	0.1	0.8	48.7	19.2
	2/6/2012	0.0	0.1	0.7	0.8	43.4	14.0
	7/3/2012	0.2	0.1	-0.1	0.6	39.7	6.8
	9/7/2012	0.2	0.1	0.3	0.6	28.6	7.8
	11/30/2012	0.2	0.1	1.4	0.8	39.0	11.4
	11/30/2012	# 0.4	# 0.2	# 1.0	# 0.8	# 47.5	# 11.2
URZJB-9	8/31/2011	0.2	0.1	0.4	0.6	48.4	14.1
	11/8/2011	0.3	0.1	0.8	0.6	63.6	21.7
	11/8/2011	# 0.1	# 0.1	# 0.6	# 0.7	# 63.0	# 16.1
	1/31/2012	0.2	0.1	1.5	0.7	59.8	14.1
	4/5/2012	0.2	0.1	1.9	0.8	59.4	7.9
URZJB-15	3/14/2012	0.2	0.1	1.1	0.7	45.3	10.9
	6/27/2012	0.2	0.2	0.1	0.9	45.4	15.8
	10/2/2012	0.1	0.1	-0.4	0.9	54.2	6.9
	11/7/2012	0.1	0.1	4.6	1.0	48.8	12.5
	1/16/2013	0.2	0.1	0.5	0.8	52.0	13.5
URZJB-21	9/28/2011	0.0	0.1	1.3	0.6	33.2	10.5
	9/28/2011	0.1	0.1	0.3	0.5	33.2	11.6
	2/15/2012	0.0	0.1	0.4	0.6	42.6	5.7
	4/20/2012	-0.1	0.1	0.1	0.9	34.9	8.0
	11/13/2012	0.0	0.1	0.8	1.0	39.0	8.1
URZJC-10	8/31/2011	0.1	0.1	0.6	0.6	-2.0	4.0
	2/13/2012	-0.1	0.1	0.3	0.6	-0.8	3.9
	7/3/2012	0.0	0.1	0.6	0.9	-1.0	2.3
	9/6/2012	0.0	0.1	0.1	0.9	-0.8	4.5
	11/14/2012	0.0	0.1	1.0	1.2	-0.9	0.6
URZJC-16	6/14/2012	2.1	0.3	0.2	0.7	185.0	30.8

TABLE D6E.1-1. JANE DOUGH UNIT GROUND-WATER QUALITY (cont.)

Well Name	Date	Ra226 (pCi/l)	Ra226(e) (pCi/l)	Ra228 (pCi/l)	Ra228(e) (pCi/l)	Alpha (pCi/l)	Beta (pCi/l)
URZJC-16	10/2/2012	1.0	0.2	1.3	1.1	175.0	30.8
	1/10/2013	0.7	0.2	1.7	0.6	251.0	24.7
	1/10/2013	# 0.8	# 0.2	# 2.1	# 0.6	# 283.0	# 26.2
	6/17/2013	0.8	0.2	2.6	0.9	217.0	17.1
URZJC-22	9/29/2011	208.0	3.0	1.7	0.8	898.0	239.0
	3/14/2012	178.0	2.3	2.7	0.8	493.0	170.0
	4/19/2012	186.0	2.7	1.7	1.0	1000.0	373.0
	12/17/2012	171.0	2.3	1.8	0.8	552.0	123.0
URZJF-5	9/23/2011	0.3	0.1	0.5	0.7	4.2	25.9
	3/7/2012	0.3	0.1	0.9	0.8	-2.0	19.7
	11/30/2012	0.5	0.2	2.3	1.0	7.5	10.7
	11/30/2012	# 0.4	# 0.2	# 2.3	# 0.8	# 5.8	# 14.1
	2/1/2013	0.6	0.2	1.6	1.4	2.7	10.5
URZJF-11	8/31/2011	1.1	0.2	1.7	0.7	11.3	74.9
	9/23/2011	11.0	1.2	2.4	3.0	232.0	173.0
	11/2/2012	0.2	0.1	0.2	0.7	-0.2	39.0
	1/7/2013	0.5	0.2	3.1	0.7	1.8	37.4
URZJF-17	12/9/2011	4.1	0.8	5.2	3.1	176.0	166.0
	1/23/2012	2.4	0.3	0.6	0.7	124.0	48.7
	6/25/2012	3.4	0.5	3.4	1.4	87.3	28.5
	9/28/2012	3.4	0.4	1.2	0.9	93.4	33.0
URZJQ-24-1	7/20/2012	1.3	0.3	0.0	1.0	105.0	8.3
	11/2/2012	0.4	0.1	1.7	0.9	102.0	17.7
	1/7/2013	0.8	0.2	1.8	0.7	126.0	11.9
	1/7/2013	# 0.8	# 0.2	# 1.6	# 0.7	# 132.0	# 15.4
	6/12/2013	0.7	0.2	1.4	0.8	117.0	14.8
URZJQ-25	12/28/2010	0.6	0.2	0.4	0.5	78.0	26.3
	1/26/2011	0.7	0.1	0.9	0.6	69.2	21.6
	5/6/2011	0.4	0.2	0.8	0.6	111.0	24.6
	8/11/2011	0.4	0.1	0.3	0.7	78.8	16.4
	2/1/2012	0.1	0.1	0.3	0.5	119.0	1.9
URZJQ-26	12/28/2010	0.5	0.2	1.6	0.6	45.4	14.2
	1/26/2011	0.6	0.1	1.0	0.6	31.2	21.1
	5/6/2011	0.4	0.2	0.9	0.8	48.4	29.4
	8/11/2011	0.3	0.1	0.5	0.6	63.3	26.6
	3/14/2012	0.6	0.2	0.6	0.7	79.9	16.8

ADDENDUM JD-D6F:

SURFACE WATER RIGHTS

April 2014

TABLE OF CONTENTS

TABLES

Table JD-D6F.1-1 JANE DOUGH UNIT SURFACE WATER RIGHTS

Permit #	Source	Township	Range	Section	QtrQtr	Applicant	Priority	Supply Type	Status
CR CR21/084	Short Draw	043N	076W	31	NE1/4SW1/4	DRY FORK LAND & LIVESTOCK, LIMITED PARTNERSHIP	03/02/2007	Reservoir	Fully Adjudicated

** Wyo. State Engineer's Office Abbreviations found in table D6F.1-2

Table JD-D6F.1-2. STATE ENGINEERS OFFICE ABBREVIATIONS

Wyoming State Engineer's Water Right Database Page 1 of 3 Pages
Water rights described in this database represent what is of record in our office as entered on the computer (many of the computer entries have not been proofed for accuracy and may not reflect the entire record about a water right or its current status). The office records may or may not reflect the actual situation on the ground. Failure to exercise a water right, for 5 years, when water is available, may constitute grounds for forfeiture.

ABBREVIATIONS FOR STATUS:
A&C=ABANDONED AND CANCELLED
ABA=ABANDONED
ADJ=ADJUDICATED
AME=AMENDED (LANDS MOVED TO NEW LOCATION NO LONGER UNDER THIS PERMIT)
CAN=CANCELLED
DSC=DESCRIPTION
E&C=ELIMINATED AND CANCELLED
ELI=ELIMINATED
EXP=EXPIRED
GSE=GOOD STANDING PERMITTED TIME LIMITS HAVE BEEN EXTENDED
GST=GOOD STANDING
GSM=GOOD STANDING BUT MAP IS STILL REQUIRED
GSI=GOOD STANDING INCOMPLETE-REQUIRED NOTICES NOT RECEIVED-NOT YET EXPIRED
OTH=OTHER
PU=POINT OF USE NON IRRIGATION (NOT ACTUAL STATUS)
PUD=POINT OF DIVERSION (NOT ACTUAL STATUS)
PUE=POINT OF EXTENSION (NOT ACTUAL STATUS)
PUH=POINT OF DIVERSION (NOT ACTUAL STATUS)
PUO=POINT OF RESERVOIR OUTLET (NOT ACTUAL STATUS)
PUW=LOCATION OF WELL (NOT ACTUAL STATUS)
REJ=REJECTED BY THE STATE ENGINEER
REC=LANDS RECEIVED FROM ANOTHER PERMIT
REM=REMAINING
TEM=TEMPORARY
TRA=TRANSFERRED TO ANOTHER FACILITY
UNA=UNADJUDICATED
?=NO ENTRY IN THE DATABASE FOR THIS APPROPRIATION
ABBREVIATIONS FOR USES:
AQU=AQUACULTURE
BAT=BATHING
CBM-COAL BED METHANE
CHE=CHEMICAL

CIF=CONSUMPTIVE INSTREAM FLOW
COM=COMMERCIAL
CNG=COAL BED NATURAL GAS
CUL=CULINARY
DEW=DEWATERING
DOM=DOMESTIC
DRI=DRILLING
DSP=DOMESTIC SUPPLY
ENV=ENVIRONMENTAL
ERO=EROSION CONTROL
FIR=FIRE PROTECTION
FIS=FISH PROPAGATION

FLO=FLOOD CONTROL
FTH=FLOW THROUGH NON-CONSUMPTIVE
GWR=GROUND WATER RECHARGE
HEX=HEAT EXTRACTION
ICE=ICE CUTTING
IND=INDUSTRIAL
IRR=IRRIGATION
ISF=INSTREAM FLOW
MAI=MAINTENANCE
MAN=MANUFACTURING
MEC=MECHANICAL
MED=MEDICINAL
MIL=MILLING
MIN=MINING
MIS=MISCELLANEOUS
MON=MONITORING
MUN=MUNICIPAL
OIL=OIL REFINING/PRODUCTION
POW=POWER DEVELOPMENT
RAI=RAILROAD
REC=RECREATION
REF=REFINING
RES=RESERVOIR SUPPLY
SED=SEDIMENTATION
STE=STEAM ENGINE
STO=STOCK

TEM=TEMPORARY USE
TST=TEST WELL
UTI=PUBLIC UTILITY
W&S=WILD & SCENIC
WET=WETLANDS
WIL=WILDLIFE
ABBREVIATIONS FOR SUPPLY TYPES (SupTy):
ADD=ADDITIONAL SUPPLY FROM A WELL
ORI=ORIGINAL SUPPLY
STR=STORAGE SUPPLY (FOR RESERVOIR AND STOCK RESERVOIR PERMITS-MAY NOT APPEAR ON OLDER PERMITS)
SEC=SUPPLY FROM A RESERVOIR
SUP=SUPPLEMENTAL SUPPLY FROM ANOTHER SURFACE WATER SOURCE
SWS=SURFACE WATER SUPPLY (USED FOR FIRST SURFACE WATER SUPPLY FOR EXISTING GROUNDWATER SUPPLY)
RECORD SUFFIXES ARE DENOTED AS FOLLOWS:
A=ADJUDICATED (FINALIZED) RIGHTS;
C=WELL STATEMENTS OF CLAIM, FILED FROM 1947 TO 1957 FOR WELLS COMPLETED PRIOR TO APRIL 1, 1947
D=DITCH OR PIPELINE PERMIT
G= WELL REGISTRATIONS, FILED FOR WELLS COMPLETED AFTER APRIL 1, 1947
E=ENLARGEMENT OF A DITCH OR PIPELINE PERMIT
P=STOCK AND DOMESTIC USE WELLS COMPLETED PRIOR TO MAY 24, 1969 AND REGISTERED WITH THE STATE ENGINEER'S OFFICE PRIOR TO DECEMBER 31, 1972
R=RESERVOIR PERMIT
S=STOCK RESERVOIR PERMIT
U=UTAH PERMIT RECORDED IN UTAH; LANDS IN WYOMING
"'W' PERMITS ARE FOR WELLS WITH A PRIORITY DATE FOR THE DATE OF FILING WITH THE STATE ENGINEER
RECORD PREFIXES ARE DENOTED AS FOLLOWS:
B= BEAR CREEK COURT DECREE
D= BALDWIN CREEK COURT DECREE
E= CLEAR CREEK COURT DECREE
H= HORSE CREEK COURT DECREE
K= CROW CREEK COURT DECREE
L= LARAMIE RIVER COURT DECREE
M= CRAZY WOMAN CREEK COURT DECREE
R= ROCK CREEK COURT DECREE
S= SWEETWATER CREEK COURT DECREE
T-TERRITORIAL APPROPRIATION
AN "X" IN THE LOC (LOCATION) FIELD INDICATES THE LOCATION OF A HEADGATE FOR A DITCH OR PIPELINE, AN OUTLET FOR A RESERVOIR OR STOCK RESERVOIR OR THE LOCATION OF WELL

ADDENDUM JD-D6G:

GROUND-WATER RIGHTS

April 2014

GROUND-WATER RIGHTS ADDENDUM JD-D6G

TABLE OF CONTENTS

TABLES

Table JD-D6G.1-1. JANE DOUGH UNIT WATER WELLS and ADJACENT

Permit #	Facility Name	Township	Range	Section	Qtrqtr	GW Applicant	Priority	Uses	GW Well Depth	GW Static Depth
P14648.0P	TAYLOR #21-3	042N	076W	4	NW1/4NW1/4		12/31/1934	STK	600	-1
P14650.0P	TAYLOR #22-1	043N	076W	32	SE1/4SW1/4		10/31/1966	STK	135	60
P13637.0P	SEVENTEENMILE #1	043N	076W	31	NW1/4NW1/4		12/31/1946	STK	490	-1
P69103.0W	TAYLOR UNIT #9	043N	076W	33	NW1/4NE1/4		11/21/1984	STK	1127	480
P199695.0W	DRY FORK - SAMSON #1	043N	076W	29	SE1/4NW1/4	DRY FORK LAND & LIVESTOCK LP	1/23/2013	MIS; STK		
P13626.0P	EAST DRY FORK #1	043N	076W	30	SE1/4NW1/4		12/31/1963	STK	360	-1
P11903 0P	DOUGHSTICK #2	043N	076W	27	NW1/4NW1/4	T-CHAIR LAND COMPANY	1/14/1961	STK	960	-6
P191143.0W	ENL. CUISINE CS FEDERAL #03	043N	076W	20	SW1/4SE1/4	YATES PETROLEUM CORP	6/22/2009	MIS		
P63605.0W	FETTY WELL #1	043N	076W	21	SW1/4SW1/4	T-CHAIR LAND COMPANY	4/6/1983	STK	655	135
P191144.0W	ENL. CUISINE CS FEDERAL #02	043N	076W	20	NE1/4SE1/4	YATES PETROLEUM CORP	6/22/2009	MIS		
P13634 0P	DRY FORK FLOWING #3	043N	076W	20	NW1/4SW1/4		12/31/1958	STK	360	-1
P184595.0W	PUG WELL # 2	043N	076W	21	NE1/4SW1/4	T-CHAIR LAND, CO.	1/23/2008	STK	740	0
P198686.0W	ENL. T-CHAIR 12-22	043N	076W	22	NW1/4SW1/4	T-CHAIR LAND COMPANY	8/2/2012	MIS		
P125130.0W	O1	043N	076W	22	NW1/4SW1/4	FLYING J OIL & GAS, INC.	4/26/2000	MIS	450	150
P125131.0W	P1	043N	076W	22	NW1/4SW1/4	FLYING J OIL & GAS, INC.	4/26/2000	MIS	450	150
P158257.0W	P1	043N	076W	22	NW1/4SW1/4	T-Chair Land & Livestock	4/21/2004	STK	450	150
P158258.0W	1	043N	076W	22	NW1/4SW1/4	T-Chair Land & Livestock	4/21/2004	STK	450	150
P169657.0W	T-CHAIR 12-22	043N	076W	22	NW1/4SW1/4	T-CHAIR LAND & LIVESTOCK	8/26/2005	STK	1593	0
P191145.0W	ENL. CUISINE CS FEDERAL #01	043N	076W	20	SW1/4NE1/4	YATES PETROLEUM CORP	6/22/2009	MIS		
P11891.0P	PUG WELL #1	043N	076W	20	SW1/4NE1/4	T-CHAIR LAND COMPANY	12/31/1939	STK	370	-6
P184594.0W	CAR BODY WELL # 1	043N	076W	21	NE1/4NE1/4	T-CHAIR LAND, CO.	1/23/2008	STK	653	0
P54442 0W	ENL NICKOLS #1	043N	076W	19	NW1/4NE1/4		7/31/1980	MIS		
P11894.0P	NICHOLS #1	043N	076W	19	NW1/4NE1/4	T-CHAIR LAND COMPANY	4/23/1967	STK	310	-6
P55407.0W	BROWN 20 9	043N	076W	20	NW1/4NE1/4		1/30/1981	MIS; STK	740	-4
P11896.0P	PATS WELL #1	043N	076W	21	NE1/4NW1/4	T-CHAIR LAND COMPANY	12/31/1934	STK	405	-6
P55408.0W	BROWN 21 6	043N	076W	21	NW1/4NE1/4		1/30/1981	MIS; STK	653	-4
P190441.0W	ENL. ROLLING PIN CS STATE #01	043N	076W	16	SE1/4SE1/4	YATES PETROLEUM CORP	4/24/2009	MIS		
P194972.0W	URZN2-12	043N	076W	17	SE1/4SW1/4	URANERZ ENERGY CORPORATION	1/28/2011	MIS	814	0
P201105W	URZN2-14	043N	076W	17	NW1/4SE1/4	URANERZ ENERGY CORPORATION			1253	321
P190444.0W	ENL. SPATULA CS STATE #6	043N	076W	16	SW1/4SW1/4	YATES PETROLEUM CORP	4/24/2009	MIS		
P199080.0W	URZN2-13	043N	076W	17	NE1/4SE1/4	URANERZ ENERGY CORPORATION	10/5/2012	MIS		
P194687.0W	ENL. ROLLING PIN CS STATE #2	043N	076W	16	NW1/4SE1/4	YATES PETROLEUM CORP	11/26/2010	MIS		
P193013.0W	URZJQ-25	043N	076W	31	SE1/4NE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	29.5	11
P193015.0W	URZJA-7	043N	076W	28	SE1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	620	138
P193016.0W	URZJA-8	043N	076W	28	SE1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	620	134
P193017.0W	URZJB-9	043N	076W	28	SE1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	525	138
P193020.0W	URZJ1-12	043N	076W	28	SE1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	740	97
P193019.0W	URZJF-11	043N	076W	28	SE1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	135	123
P193018.0W	URZJC-10	043N	076W	28	SE1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	280	139
P193008.0W	URZJA-14	043N	076W	29	NW1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	595	130
P193009.0W	URZJB-15	043N	076W	29	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	465	146
P193011.0W	URZJ1-18	043N	076W	29	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	0	0
P193007.0W	URZJA-13	043N	076W	29	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	570	121
P193012.0W	URZJC-16	043N	076W	29	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	220	142

** Wyo. State Engineer's Office Abbreviations found in table D6F.1-2

Table JD-D6G.1-1. JANE DOUGH UNIT WATER WELLS and ADJACENT (CONTINUED)

Permit #	Facility Name	Township	Range	Section	Qtrqtr	GW Applicant	Priority	Uses	GW Well Depth	GW Static Depth
P163351.0W	MWAL-12-30-1	043N	076W	30	SW1/4NW1/4	Williams Production Co., RMT	10/26/2004	MON	9.5	-7
P77136.0W	DOUGHSTICK 1	043N	076W	28	SW1/4NE1/4	POWER RESOURCES INC.	6/15/1988	MON	620	60
P193010.0W	URZJF-17	043N	076W	29	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	63	58
P193001.0W	URZJA-19	043N	076W	20	NW1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	520	67
P193005.0W	URZJ1-23	043N	076W	20	NW1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	665	97
P193004.0W	URZJC-22	043N	076W	20	NW1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	165	111
P193003.0W	URZJB-21	043N	076W	20	NW1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	448	72
P193002.0W	URZJA-20	043N	076W	20	NW1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	0	0
P192998.0W	URZJC-4	043N	076W	21	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	0	0
P192999.0W	URZJF-5	043N	076W	21	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	150	60
P193000.0W	URZJ1-6	043N	076W	21	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	640	21
P97761.0W	O3	043N	076W	22	NW1/4SW1/4	Pathfinder Mines Corp.	11/8/1994	MON	460	35
P97768.0W	US3A	043N	076W	22	NW1/4SW1/4	Pathfinder Mines Corp.	11/8/1994	MON	150	43
P97771.0W	LS3A	043N	076W	22	NW1/4SW1/4	Pathfinder Mines Corp.	11/8/1994	MON	520	51
P97758.0W	P1	043N	076W	22	NW1/4SW1/4	Pathfinder Mines Corp.	11/8/1994	MON	450	57
P97759.0W	O1	043N	076W	22	NW1/4SW1/4	Pathfinder Mines Corp.	11/8/1994	MON	450	46
P97760.0W	O2	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	460	49
P97762.0W	6	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	295	24
P97763.0W	US1	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	160	20
P97764.0W	LS1	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	520	39
P97765.0W	UC1	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	149.4	30
P97766.0W	LC1	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	492	44
P97767.0W	US2	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	150	25
P97769.0W	US4B	043N	076W	22	NW1/4SW1/4	Power Resources, Inc	11/8/1994	MON	160	28
P97770.0W	LS2	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	520	20
P97772.0W	LS4	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	520	55
P97773.0W	BC-1A	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	296.4	47
P192995.0W	URZJA-1	043N	076W	21	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	518	40
P192996.0W	URZJA-2	043N	076W	21	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	530	41
P192997.0W	URZJB-3	043N	076W	21	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	415	39
P193006.0W	URZJQ-24	043N	076W	21	SW1/4NE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	25	15
P96167.0W	5 MW9	043N	076W	20	NW1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P96169.0W	5 MW11	043N	076W	20	NW1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P96171.0W	5 MW13	043N	076W	20	NW1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P191318.0W	URZNQ-4	043N	076W	20	NW1/4NW1/4	URANERZ ENERGY CORPORATION	8/10/2009	MON	38	5.98
P96173.0W	5 MW15	043N	076W	20	NE1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P96177.0W	5 MW19	043N	076W	20	NE1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P96179.0W	5 MW21	043N	076W	20	NE1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P96181.0W	5 MW23	043N	076W	20	NE1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P96183.0W	5 MW25	043N	076W	20	NE1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P96185.0W	5 MW27	043N	076W	20	NE1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P96187.0W	5 MW29	043N	076W	20	NE1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P96222.0W	5 SM4	043N	076W	20	NE1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P96234.0W	5 DM6	043N	076W	21	NW1/4NW1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P196328.0W	MRN-17 THROUGH MRN-18	043N	076W	17	SE1/4SE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P191322.0W	URZNA-7	043N	076W	17	NW1/4SE1/4	URANERZ ENERGY CORPORATION	8/10/2009	MON	510	40.92

** Wyo. State Engineer's Office Abbreviations found in table D6F.1-2

Table JD-D6G.1-1. JANE DOUGH UNIT WATER WELLS and ADJACENT (CONTINUED)

Permit #	Facility Name	Township	Range	Section	Qtrqtr	GW Applicant	Priority	Uses	GW Well Depth	GW Static Depth
P196327.0W	MRN-13 THROUGH MRN-16	043N	076W	17	NE1/4SE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196305.0W	MPN-14	043N	076W	17	NE1/4SE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196313.0W	MON-14	043N	076W	17	NE1/4SE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196321.0W	MUN-14	043N	076W	17	NE1/4SE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0

** Wyo. State Engineer's Office Abbreviations found in table D6F.1-2

Table JD-D6G.1-2. JANE DOUGH UNIT WATER WELLS (3 MILE RADIUS)

Permit #	Facility Name	Township	Range	Section	Qtrqtr	GW Applicant	Priority	Uses	GW Well Depth	GW Static Depth
Township 43 North, Range 77 West										
P164464.0W	TAYLOR FEDERAL JOHNSON PR-8 MW-01 & MW-02	043N	077W	35	NE1/4NW1/4	Black Diamond Energy	12/21/2004	MON		
P164475.0W	TAYLOR FEDERAL JOHNSON PR-3 MW-01 & MW-02	043N	077W	26	SE1/4NE1/4	Black Diamond Energy	12/21/2004	MON		
P164476.0W	TAYLOR FEDERAL JOHNSON PR-4 MW-01 & MW-02	043N	077W	26	SW1/4NE1/4	Black Diamond Energy	12/21/2004	MON		
P164477.0W	TAYLOR FEDERAL JOHNSON PR-5 MW-01 & MW-02	043N	077W	26	NE1/4SW1/4	Black Diamond Energy	12/21/2004	MON		
P174552.0W	DRY FORK #1	043N	077W	24	NE1/4NE1/4	Dry Fork Land & Livestock	5/5/2006	DOM_GW		
P13622.0P	BILL SMITH #1	043N	077W	35	NE1/4NW1/4	Dry Fork Land & Livestock	12/31/1946	STK	655	-1
P13625.0P	FOUR CORNERS FLOWING #1	043N	077W	23	SE1/4SW1/4	Dry Fork Land & Livestock	12/31/1960	STK	480	-1
P13627.0P	KERR-MCGEE #1	043N	077W	23	NE1/4NE1/4	Dry Fork Land & Livestock	12/31/1968	STK	420	-1
P13632.0P	DRY FORK FLOWING #1	043N	077W	11	SE1/4SE1/4	Dry Fork Land & Livestock	12/31/1949	STK	410	-1
P13633.0P	DRY FORK FLOWING #2	043N	077W	13	SE1/4SW1/4	Dry Fork Land & Livestock	12/31/1956	STK	400	-1
P13635.0P	DRY FORK FLOWING #4	043N	077W	24	SE1/4NE1/4	Dry Fork Land & Livestock	12/31/1944	STK	400	-1
P13636.0P	DRY FORK FLOWING #5	043N	077W	25	SE1/4NE1/4	Dry Fork Land & Livestock	12/31/1947	STK	420	-1
P13647.0P	LITTLE BULLWHACKER #1	043N	077W	27	NE1/4NE1/4	Dry Fork Land & Livestock	12/31/1946	STK	600	-1
P73013.0W	TAYLOR UNIT #19	043N	077W	35	NW1/4SE1/4	METROPOLITAN LIFE INS.	8/4/1986	STK		
P26091.0W	AMERICAN NUCLEAR #1	043N	077W	36	NW1/4SW1/4	METROPOLITAN LIFE INS.	3/1/1974	STK	387	360
Township 43 North, Range 76 West										
P97761.0W	03	043N	076W	22	NW1/4SW1/4	Pathfinder Mines Corp.	11/8/1994	MON	460	35
P97768.0W	US3A	043N	076W	22	NW1/4SW1/4	Pathfinder Mines Corp.	11/8/1994	MON	150	43
P97771.0W	LS3A	043N	076W	22	NW1/4SW1/4	Pathfinder Mines Corp.	11/8/1994	MON	520	51
P41140.0W	CDSS-MN 1	043N	076W	35	NE1/4SE1/4	CLEVELAND CLIFFS IRON COMPANY	12/7/1977	MON	502	444
P41141.0W	CDSS-MN 2	043N	076W	35	NE1/4SE1/4	CLEVELAND CLIFFS IRON COMPANY	12/7/1977	MON	504	448
P41142.0W	CDSS-MN 3	043N	076W	35	NE1/4SE1/4	CLEVELAND CLIFFS IRON COMPANY	12/7/1977	MON	465	407
P41143.0W	CDSS-MN 4	043N	076W	35	NE1/4SE1/4	CLEVELAND CLIFFS IRON COMPANY	12/7/1977	MON	475	428
P41144.0W	CDSS-MN 5	043N	076W	35	NE1/4SE1/4	CLEVELAND CLIFFS IRON COMPANY	12/7/1977	MON	396	312
P41145.0W	CDSS-MN 6	043N	076W	35	NE1/4SE1/4	CLEVELAND CLIFFS IRON COMPANY	12/7/1977	MON	501	493
P51125.0W	CD DF MN 1	043N	076W	35	NE1/4NW1/4	THE CLEVELAND-CLIFFS IRON COMPANY	1/31/1980	MON	136	75
P51126.0W	CD DF MN 2	043N	076W	35	SE1/4NE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	1/31/1980	MON	136.5	90
P51127 0W	CD DF MN 3	043N	076W	35	NE1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	1/31/1980	MON	143	75
P53792 0W	CD - MN 9	043N	076W	35	SE1/4NE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	8/25/1980	MON	489	74
P53793.0W	CD - MN 10	043N	076W	35	SW1/4NE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	8/25/1980	MON	497	65
P53808.0W	CD - MN 8	043N	076W	35	NE1/4NE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	8/25/1980	MON	477	58
P54493.0W	DW - 4U	043N	076W	8	SE1/4NE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	7/29/1980	MON	310	233
P54494.0W	DW - 4M	043N	076W	8	SE1/4NE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	7/29/1980	MON	441	291
P54495.0W	DW - 4L	043N	076W	8	SE1/4NE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	7/29/1980	MON	795	289
P54843.0W	CD MN 4	043N	076W	35	NE1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	11/24/1980	MON	504	95
P54844.0W	CD MN 5	043N	076W	35	NE1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	11/24/1980	MON	396	78
P54845.0W	CD MN 6	043N	076W	35	NE1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	11/24/1980	MON	458	86
P60506.0W	CD-MN 302W	043N	076W	35	NE1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	6/22/1981	MON	0	0
P60507.0W	CD-MN298	043N	076W	35	NE1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	6/22/1981	MON	0	0
P74574.0W	CD MN 4 238	043N	076W	35	NE1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	3/2/1987	MON	504	70
P74575.0W	CD MN 5 230	043N	076W	35	NE1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	3/2/1987	MON	396	76
P74580.0W	239 35 43 76	043N	076W	35	NE1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	5/11/1987	MON	465	47.5
P74581.0W	240 35 43 76	043N	076W	35	NE1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	5/11/1987	MON	502	76
P96167 0W	5 MW9	043N	076W	20	NW1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0

** Wyo. State Engineer's Office Abbreviations found in Table JD-D6F.1-2

Table JD-D6G.1-2. JANE DOUGH UNIT WATER WELLS (3 MILE RADIUS) (CONT.)

Permit #	Facility Name	Township	Range	Section	Qtrqtr	GW Applicant	Priority	Uses	GW Well Depth	GW Static Depth
Township 43 North - Range 76 West										
P96169.0W	5 MW11	043N	076W	20	NW1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P96171.0W	5 MW13	043N	076W	20	NW1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P96173.0W	5 MW15	043N	076W	20	NE1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P96177.0W	5 MW19	043N	076W	20	NE1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P96179.0W	5 MW21	043N	076W	20	NE1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P96181.0W	5 MW23	043N	076W	20	NE1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P96183.0W	5 MW25	043N	076W	20	NE1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P96185.0W	5 MW27	043N	076W	20	NE1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P96187.0W	5 MW29	043N	076W	20	NE1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P96222.0W	5 SM4	043N	076W	20	NE1/4NE1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P96234.0W	5 DM6	043N	076W	21	NW1/4NW1/4	Cogema Mining, Inc.	7/14/1994	MON	0	0
P97758.0W	P1	043N	076W	22	NW1/4SW1/4	Pathfinder Mines Corp.	11/8/1994	MON	450	57
P97759.0W	O1	043N	076W	22	NW1/4SW1/4	Pathfinder Mines Corp.	11/8/1994	MON	450	46
P163351.0W	MWAL-12-30-1	043N	076W	30	SW1/4NW1/4	Williams Production Co., RMT	10/26/2004	MON	9.5	-7
P53795.0W	NICR - MN 1	043N	076W	17	NW1/4SW1/4	Rio Algom Mining Corp.	8/25/1980	MON	556	30
P53796.0W	NICR - MN 2	043N	076W	17	NE1/4NW1/4	Rio Algom Mining Corp.	8/25/1980	MON	670	158
P53797.0W	NICR - MN 3	043N	076W	17	SW1/4NE1/4	Rio Algom Mining Corp.	8/25/1980	MON	585	79
P53798.0W	NICR - MN 4	043N	076W	8	SW1/4SW1/4	Rio Algom Mining Corp.	8/25/1980	MON	623	127
P53799.0W	NICR - MN 5	043N	076W	18	NE1/4NE1/4	Rio Algom Mining Corp.	8/25/1980	MON	727	207
P53800.0W	NICR - MN 6	043N	076W	17	SW1/4NW1/4	Rio Algom Mining Corp.	8/25/1980	MON	593	84
P74582.0W	241 35 43 76	043N	076W	35	NE1/4SE1/4	Wyo State Dept. of Environmental Quality	5/11/1987	MON	475	56
P77136.0W	DOUGHSTICK 1	043N	076W	28	SW1/4NE1/4	POWER RESOURCES INC.	6/15/1988	MON	620	60
P77137.0W	NICHOLS RANCH #1	043N	076W	17	SW1/4NW1/4	URANERZ ENERGY CORPORATION	6/15/1988	MON	620	85
P97760.0W	O2	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	460	49
P97762.0W	6	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	295	24
P97763.0W	US1	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	160	20
P97764.0W	LS1	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	520	39
P97765.0W	UC1	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	149.4	30
P97766.0W	LC1	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	492	44
P97767.0W	US2	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	150	25
P97769.0W	US4B	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	160	28
P97770.0W	LS2	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	520	20
P97772.0W	LS4	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	520	55
P97773.0W	BC-1A	043N	076W	22	NW1/4SW1/4	Power Resources, Inc.	11/8/1994	MON	296.4	47
P190037.0W	URZNB-1	043N	076W	17	NW1/4SW1/4	URANERZ ENERGY CORPORATION	3/9/2009	MON	610	63.61
P190038.0W	URZN1-2	043N	076W	17	NW1/4SW1/4	URANERZ ENERGY CORPORATION	3/9/2009	MON	645	62.91
P191317.0W	URZNF-3	043N	076W	17	NE1/4SW1/4	URANERZ ENERGY CORPORATION	8/10/2009	MON	180	86.91
P191318.0W	URZNQ-4	043N	076W	20	NW1/4NW1/4	URANERZ ENERGY CORPORATION	8/10/2009	MON	38	5.98
P191319.0W	URZNG-5	043N	076W	18	NE1/4NE1/4	URANERZ ENERGY CORPORATION	8/10/2009	MON	60	47.97
P191320.0W	URZNG-6	043N	076W	17	SE1/4NE1/4	URANERZ ENERGY CORPORATION	8/10/2009	MON	105	73.13
P191321.0W	URZRF-1	043N	076W	14	NW1/4NW1/4	URANERZ ENERGY CORPORATION	8/10/2009	MON	0	0
P191322.0W	URZNA-7	043N	076W	17	NW1/4SE1/4	URANERZ ENERGY CORPORATION	8/10/2009	MON	510	40.92
P191323.0W	URZNA-8	043N	076W	17	NW1/4NW1/4	URANERZ ENERGY CORPORATION	8/10/2009	MON	645	192.85
P191324.0W	URZNA-9	043N	076W	17	NW1/4NW1/4	URANERZ ENERGY CORPORATION	8/10/2009	MON	685	185.1
P191325.0W	URZNB-10	043N	076W	17	NW1/4NW1/4	URANERZ ENERGY CORPORATION	8/10/2009	MON	501	193

** Wyo. State Engineer's Office Abbreviations found in Table JD-D6F.1-2

Table JD-D6G.1-2. JANE DOUGH UNIT WATER WELLS (3 MILE RADIUS) (CONT.)

Permit #	Facility Name	Township	Range	Section	Qtrqtr	GW Applicant	Priority	Uses	GW Well Depth	GW Static Depth
Township 43 North - Range 76 West										
P191326.0W	URZN1-11	043N	076W	17	NW1/4NW1/4	URANERZ ENERGY CORPORATION	8/10/2009	MON	728	205.9
P192995.0W	URZJA-1	043N	076W	21	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	518	40
P192996.0W	URZJA-2	043N	076W	21	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	530	41
P192997.0W	URZJB-3	043N	076W	21	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	415	39
P192999.0W	URZJF-5	043N	076W	21	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	150	60
P193000.0W	URZJ1-6	043N	076W	21	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	640	21
P193001.0W	URZJA-19	043N	076W	20	NW1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	520	67
P193003.0W	URZJB-21	043N	076W	20	NW1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	448	72
P193004.0W	URZJC-22	043N	076W	20	NW1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	165	111
P193005.0W	URZJ1-23	043N	076W	20	NW1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	665	97
P193006.0W	URZJQ-24	043N	076W	21	SW1/4NE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	25	15
P193007.0W	URZJA-13	043N	076W	29	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	570	121
P193008.0W	URZJA-14	043N	076W	29	NW1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	595	130
P193009.0W	URZJB-15	043N	076W	29	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	465	146
P193010.0W	URZJF-17	043N	076W	29	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	63	58
P193012.0W	URZJC-16	043N	076W	29	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	220	142
P193013.0W	URZJQ-25	043N	076W	31	SE1/4NE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	29.5	11
P193014.0W	URZJQ-26	043N	076W	30	SW1/4NW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	27	10
P193015.0W	URZJA-7	043N	076W	28	SE1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	620	138
P193016.0W	URZJA-8	043N	076W	28	SE1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	620	134
P193017.0W	URZJB-9	043N	076W	28	SE1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	525	138
P193018.0W	URZJC-10	043N	076W	28	SE1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	280	139
P193019.0W	URZJF-11	043N	076W	28	SE1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	135	123
P193020.0W	URZJ1-12	043N	076W	28	SE1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	740	97
P192998.0W	URZJC-4	043N	076W	21	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	0	0
P193002.0W	URZJA-20	043N	076W	20	NW1/4SE1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	0	0
P193011.0W	URZJ1-18	043N	076W	29	NE1/4SW1/4	URANERZ ENERGY CORPORATION	5/25/2010	MON	0	0
P196298.0W	MPN-1	043N	076W	7	SE1/4SE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196299.0W	MPN-2	043N	076W	8	SW1/4SW1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196300.0W	MPN-3 THROUGH MPN-5	043N	076W	17	NW1/4NW1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196301.0W	MPN-6 THROUGH MPN-7	043N	076W	17	NE1/4NW1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196302.0W	MPN-8 THROUGH MPN-9	043N	076W	17	SE1/4NW1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196303.0W	MPN-10	043N	076W	17	SW1/4NE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196304.0W	MPN-11 THROUGH MPN-13	043N	076W	17	NW1/4SE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196305 0W	MPN-14	043N	076W	17	NE1/4SE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196306.0W	MON-1	043N	076W	7	SE1/4SE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196307.0W	MON-2	043N	076W	8	SW1/4SW1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196308 0W	MON-3 THROUGH MON-5	043N	076W	17	NW1/4NW1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196309 0W	MON-6 THROUGH MON-7	043N	076W	17	NE1/4NW1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196310.0W	MON-8 THROUGH MON-9	043N	076W	17	SE1/4NW1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196311.0W	MON-10	043N	076W	17	SW1/4NE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196312.0W	MON-11 THROUGH MON-13	043N	076W	17	NW1/4SE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196313.0W	MON-14	043N	076W	17	NE1/4SE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196314.0W	MUN-1	043N	076W	7	SE1/4SE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196315.0W	MUN-2	043N	076W	8	SW1/4SW1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0

** Wyo. State Engineer's Office Abbreviations found in Table JD-D6F.1-2

Table JD-D6G.1-2. JANE DOUGH UNIT WATER WELLS (3 MILE RADIUS) (CONT.)

Permit #	Facility Name	Township	Range	Section	Qtrqtr	GW Applicant	Priority	Uses	GW Well Depth	GW Static Depth
Township 43 North Range 76 West										
P196316.0W	0MUN-3 THROUGH MUN-5	043N	076W	17	NW1/4NW1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196317.0W	MUN-6 THROUGH MUN-7	043N	076W	17	NE1/4NW1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196318.0W	MUN-8 THROUGH MUN-9	043N	076W	17	SE1/4NW1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196319.0W	MUN-10	043N	076W	17	SW1/4NE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196320.0W	MUN-11 THROUGH MUN-13	043N	076W	17	NW1/4SE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196321.0W	MUN-14	043N	076W	17	NE1/4SE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196322.0W	MRN-01, MRN-31 THROUGH MRN-33	043N	076W	7	SE1/4SE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196323.0W	MRN-02 THROUGH MRN-04	043N	076W	8	SW1/4SW1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196324.0W	MRN-05 THROUGH MRN-06	043N	076W	8	SE1/4SW1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196325.0W	MRN-07THROUGH MRN-09	043N	076W	17	NE1/4NW1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196326.0W	MRN-10 THROUGH MRN-12	043N	076W	17	SW1/4NE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196327.0W	MRN-13 THROUGH MRN-16	043N	076W	17	NE1/4SE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196328.0W	MRN-17 THROUGH MRN-18	043N	076W	17	SE1/4SE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196329.0W	MRN-19 THROUGH MRN-22	043N	076W	17	NW1/4SE1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196330.0W	MRN-23 THROUGH MRN-25	043N	076W	17	SE1/4NW1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196331.0W	MRN-26 THROUGH MRN-27	043N	076W	17	SW1/4NW1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P196332.0W	MRN-28 THROUGH MRN-30	043N	076W	17	NW1/4NW1/4	URANERZ ENERGY CORPORATION	7/11/2011	MON	0	0
P153652.0W	GARDEN WELL	043N	076W	22	NE1/4SE1/4	T-Chair Land Co.	8/27/2003	DOM_GW	520	18
P11904.0P	DOUGHSTICK #3	043N	076W	22	NE1/4SE1/4	T-CHAIR LAND COMPANY	4/1/1961	DOM_GW; STK	550	90
P29420.0W	FRANKLIN BROWN #2	043N	076W	24	NE1/4SW1/4		6/10/1974	IND_GW		
P28302.0W	88-14-43-76	043N	076W	14	NW1/4NW1/4		7/1/1974	MIS	160	-1
P125130.0W	O1	043N	076W	22	NW1/4SW1/4	FLYING J OIL & GAS, INC.	4/26/2000	MIS	450	150
P125131.0W	P1	043N	076W	22	NW1/4SW1/4	FLYING J OIL & GAS, INC.	4/26/2000	MIS	450	150
P32364.0W	BROWN #4	043N	076W	22	SE1/4SE1/4		1/30/1976	MIS	820	0
P33461.0W	COLLINS DRAW #1	043N	076W	35	NE1/4SE1/4		9/30/1975	MIS	485	82.5
P35883.0W	FRANKLIN BROWN #1	043N	076W	14	NW1/4NW1/4		8/30/1976	MIS	520	95
P51242.0W	CDSS PR 9	043N	076W	35	NE1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	9/5/1978	MIS		
P51243.0W	CDSS PR 8	043N	076W	35	NE1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	9/5/1978	MIS		
P51244.0W	CDSS PR 7	043N	076W	35	NE1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	9/5/1978	MIS		
P51245.0W	CDSS PR 6	043N	076W	35	NE1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	9/5/1978	MIS		
P51246.0W	CDSS PR 5	043N	076W	35	NE1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	8/5/1978	MIS		
P51247.0W	CDSS PR 4	043N	076W	35	NE1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	9/5/1978	MIS		
P51248.0W	CDSS PR 3	043N	076W	35	NE1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	9/5/1978	MIS		
P51249.0W	CDSS PR 2	043N	076W	35	NE1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	9/5/1978	MIS		
P51250.0W	CDSS PR 1	043N	076W	35	NE1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	9/5/1978	MIS		
P54442.0W	ENL NICKOLS #1	043N	076W	19	NW1/4NE1/4		7/31/1980	MIS		
P62331.0W	STATE L #1 (WS)	043N	076W	16	NE1/4NE1/4	Cities Service Co.	10/8/1982	MIS		
P66282.0W	ZINK #1 WATER WELL	043N	076W	18	SE1/4SW1/4	TXO Production Corp.	1/13/1984	MIS		
P72255.0W	CD PW 1	043N	076W	35	NE1/4SE1/4	T-CHAIR LAND COMPANY	3/10/1986	MIS	398	75
P72256.0W	CD A1 WF	043N	076W	35	NE1/4SE1/4	THE CLEVELAND CLIFFS IRON COMPANY	3/10/1986	MIS	491	78
P72257.0W	CD B WF	043N	076W	35	NE1/4SE1/4	THE CLEVELAND CLIFFS IRON COMPANY	3/10/1986	MIS	485	73
P72258.0W	CD PW 266	043N	076W	35	NE1/4SE1/4	T-CHAIR LAND COMPANY	3/21/1986	MIS	397	75
P190441.0W	ENL. ROLLING PIN CS STATE #01	043N	076W	16	SE1/4SE1/4	YATES PETROLEUM CORP	4/24/2009	MIS		
P190442.0W	ENL. SPATULA CS STATE #2	043N	076W	16	NE1/4NW1/4	YATES PETROLEUM CORP	4/24/2009	MIS		
P190443.0W	ENL. SPATULA CS STATE #4	043N	076W	16	SW1/4NE1/4	YATES PETROLEUM CORP	4/24/2009	MIS		

** Wyo. State Engineer's Office Abbreviations found in Table JD-D6F.1-2

Table JD-D6G.1-2. JANE DOUGH UNIT WATER WELLS (3 MILE RADIUS) (CONT.)

Permit #	Facility Name	Township	Range	Section	Qtrqtr	GW Applicant	Priority	Uses	GW Well Depth	GW Static Depth
Township 43 North : Range 76 West										
P190444.0W	ENL. SPATULA CS STATE #6	043N	076W	16	SW1/4SW1/4	YATES PETROLEUM CORP	4/24/2009	MIS		
P191143.0W	ENL. CUISINE CS FEDERAL #03	043N	076W	20	SW1/4SE1/4	YATES PETROLEUM CORP	6/22/2009	MIS		
P191144.0W	ENL. CUISINE CS FEDERAL #02	043N	076W	20	NE1/4SE1/4	YATES PETROLEUM CORP	6/22/2009	MIS		
P191145.0W	ENL. CUISINE CS FEDERAL #01	043N	076W	20	SW1/4NE1/4	YATES PETROLEUM CORP	6/22/2009	MIS		
P194687.0W	ENL. ROLLING PIN CS STATE #2	043N	076W	16	NW1/4SE1/4	YATES PETROLEUM CORP	11/26/2010	MIS		
P194972.0W	URZN2-12	043N	076W	17	SE1/4SW1/4	URANERZ ENERGY CORPORATION	1/28/2011	MIS	814	0
P198686.0W	ENL. T-CHAIR 12-22	043N	076W	22	NW1/4SW1/4	T-CHAIR LAND COMPANY	8/2/2012	MIS		
P199080.0W	URZN2-13	043N	076W	17	NE1/4SE1/4	URANERZ ENERGY CORPORATION	10/5/2012	MIS		
P199792.0W	URZN2-14	043N	076W	17	NW1/4SE1/4	URANERZ ENERGY CORPORATION	12/17/2012	MIS		
P54846.0W	CD B1 35 43 76	043N	076W	35	NE1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	11/24/1980	MIS; MON	499	73
P55407.0W	BROWN 20 9	043N	076W	20	NW1/4NE1/4		1/30/1981	MIS; STK	740	-4
P55408.0W	BROWN 21 6	043N	076W	21	NW1/4NE1/4		1/30/1981	MIS; STK	653	-4
P199695.0W	DRY FORK - SAMSON #1	043N	076W	29	SE1/4NW1/4	DRY FORK LAND & LIVESTOCK LP	1/23/2013	MIS; STK		
P11891.0P	PUG WELL #1	043N	076W	20	SW1/4NE1/4	T-CHAIR LAND COMPANY	12/31/1939	STK	370	-6
P11894.0P	NICHOLS #1	043N	076W	19	NW1/4NE1/4	T-CHAIR LAND COMPANY	4/23/1967	STK	310	-6
P11896.0P	PATS WELL #1	043N	076W	21	NE1/4NW1/4	T-CHAIR LAND COMPANY	12/31/1934	STK	405	-6
P11897.0P	WEST OLD MAIDS WELL #1	043N	076W	10	NW1/4SW1/4	T-CHAIR LAND COMPANY	3/12/1961	STK	570	50
P11902.0P	DOUGHSTICK #1	043N	076W	22	NE1/4SE1/4	T-CHAIR LAND COMPANY	4/18/1967	STK	455	-6
P11903.0P	DOUGHSTICK #2	043N	076W	27	NW1/4NW1/4	T-CHAIR LAND COMPANY	1/14/1961	STK	960	-6
P11905.0P	DOUGHSTICK #4	043N	076W	23	SW1/4SW1/4	T-CHAIR LAND COMPANY	6/15/1961	STK	690	80
P13626.0P	EAST DRY FORK #1	043N	076W	30	SE1/4NW1/4		12/31/1963	STK	360	-1
P13634.0P	DRY FORK FLOWING #3	043N	076W	20	NW1/4SW1/4		12/31/1958	STK	360	-1
P13637.0P	SEVENTEENMILE #1	043N	076W	31	NW1/4NW1/4		12/31/1946	STK	490	-1
P14650.0P	TAYLOR #22-1	043N	076W	32	SE1/4SW1/4		10/31/1966	STK	135	60
P114049.0W	HORN COW WELL #1	043N	076W	25	SW1/4SW1/4	T-Chair Land Co.	2/18/1999	STK	650	14
P15106.0W	WEST OLD MAIDS WELL #1	043N	076W	3	SW1/4NE1/4	T-CHAIR LAND COMPANY	8/29/1972	STK	275	125
P15107.0W	DOUGHSTICK #5	043N	076W	22	NW1/4SE1/4	T-CHAIR LAND COMPANY	8/29/1972	STK	253	48
P158257.0W	P1	043N	076W	22	NW1/4SW1/4	T-Chair Land & Livestock	4/21/2004	STK	450	150
P158258.0W	1	043N	076W	22	NW1/4SW1/4	T-Chair Land & Livestock	4/21/2004	STK	450	150
P169657.0W	T-CHAIR 12-22	043N	076W	22	NW1/4SW1/4	T-CHAIR LAND & LIVESTOCK	8/26/2005	STK	1593	0
P29162.0W	WELL WEST OF WIDOW WOMEN #1	043N	076W	3	NE1/4SW1/4	T-CHAIR LAND COMPANY	2/10/1975	STK	720	310
P33631.0W	BROWN #4	043N	076W	22	SE1/4SE1/4	T-CHAIR LAND COMPANY	6/1/1976	STK	820	0
P35744.0W	RED SPRING ARTESIAN #1	043N	076W	7	SE1/4NE1/4	T-CHAIR LAND COMPANY	12/21/1976	STK	740	-6
P45994.0W	CALVING #1	043N	076W	23	NW1/4SW1/4	T-CHAIR LAND COMPANY	11/28/1978	STK	560	82
P63570.0W	FRANKLIN BROWN #1	043N	076W	14	NW1/4NW1/4	T-CHAIR LAND COMPANY	4/6/1983	STK	520	95
P63574.0W	RED SPRINGS #4 LOWER	043N	076W	8	SE1/4NE1/4	T-CHAIR LAND COMPANY	4/6/1983	STK	795	289
P63575.0W	RED SPRINGS #4 MIDDLE	043N	076W	8	SE1/4NE1/4	T-CHAIR LAND COMPANY	4/6/1983	STK	441	291
P63576.0W	RED SPRINGS #4 UPPER	043N	076W	8	SE1/4NE1/4	T-CHAIR LAND COMPANY	4/6/1983	STK	310	233
P63605.0W	FETTY WELL #1	043N	076W	21	SW1/4SW1/4	T-CHAIR LAND COMPANY	4/6/1983	STK	655	135
P69103.0W	TAYLOR UNIT #9	043N	076W	33	NW1/4NE1/4		11/21/1984	STK	1127	480
P90853.0W	WEST OLD MAID'S #2	043N	076W	10	SW1/4SE1/4	T-Chair Land Co.	3/1/1993	STK	640	150
P184594.0W	CAR BODY WELL # 1	043N	076W	21	NE1/4NE1/4	T-CHAIR LAND, CO.	1/23/2008	STK	653	0
P184595.0W	PUG WELL # 2	043N	076W	21	NE1/4SW1/4	T-CHAIR LAND, CO.	1/23/2008	STK	740	0

** Wyo. State Engineer's Office Abbreviations found in Table JD-D6F.1-2

Table JD-D6G.1-2. JANE DOUGH UNIT WATER WELLS (3 MILE RADIUS) (CONT.)

Permit #	Facility Name	Township	Range	Section	Qtrqtr	GW Applicant	Priority	Uses	GW Well Depth	GW Static Depth
Township 42 North - Range 77 West										
P164468.0W	TAYLOR FEDERAL COLBY STK MW-01 & MW-02	042N	077W	13	SE1/4NW1/4	Black Diamond Energy	12/21/2004	MON		
P164469.0W	TAYLOR FEDERAL ALEX STK MW-01 & MW-02	042N	077W	13	SE1/4SE1/4	Black Diamond Energy	12/21/2004	MON		
P164470.0W	TAYLOR FEDERAL GALE STK MW-01 & MW-02	042N	077W	13	SE1/4SE1/4	Bureau of Land Management	12/21/2004	MON		
P68205.0W	DAVIS BOZEMAN #1	042N	077W	14	NE1/4NE1/4	WOODS PETROLEUM CORPORATION	8/16/1984	MIS	762	10
P69511.0W	HENRY FEDERAL #1	042N	077W	13	NE1/4SW1/4	WOODS PETROLEUM CORPORATION	2/20/1985	MIS; STK		
P25842.0P	NORTH SPRING #2	042N	077W	3	NW1/4NE1/4	WOODS PETROLEUM CORPORATION	9/3/1951	STK	6	0
P25852.0P	RED ROCK SHED	042N	077W	14	NE1/4NE1/4	WOODS PETROLEUM CORPORATION	6/1/1953	STK	460	-6
P25854.0P	JAMIE #2	042N	077W	1	SW1/4NE1/4	WOODS PETROLEUM CORPORATION	12/31/1939	STK	-1	-1
P25853.0W	JAMIE #1	042N	077W	12	NE1/4NW1/4	WOODS PETROLEUM CORPORATION	12/29/1972	STK	560	-6
P15512.0S	Jim Moore #2 Stock Reservoir	042N	077W	11	NW1/4NW1/4	WOODS PETROLEUM CORPORATION	12/23/2003	STO		
Township 42 North - Range 76 West										
P54502.0W	DW - 7U	042N	076W	11	NW1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	7/29/1980	MON	357	100
P54503.0W	DW - 7M	042N	076W	11	NW1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	7/29/1980	MON	415	87
P54504.0W	DW - 7L	042N	076W	11	NW1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	7/29/1980	MON	527	97
P53807.0W	CD - MN 7	042N	076W	1	SW1/4SE1/4	THE CLEVELAND-CLIFFS IRON COMPANY	8/25/1980	MON	578	116
P52703.0W	ROLLING PIN FEDERAL #3	042N	076W	1	NE1/4SE1/4	Davis Oil Co.	4/7/1980	MIS		
P193479.0W	PUMP STATION #1	042N	076W	8	SW1/4SW1/4	DEVON ENERGY PRODUCTION COMPANY L P	7/12/2010	MIS		
P193480.0W	PUMP STATION #2	042N	076W	3	SW1/4SE1/4	DEVON ENERGY PRODUCTION COMPANY L P	7/12/2010	MIS		
P199192.0W	FINK PRONG PIPELINE IBERLIN RANCH FED 1726-2FH	042N	076W	17	NW1/4NW1/4	DEVON ENERGY PRODUCTION CO., L.P.	8/16/2012	MIS		
P11890.0P	ADAM FOOTE WELL #1	042N	076W	1	SE1/4NW1/4	T-CHAIR LAND COMPANY	2/19/1961	STK	375	105
P14646.0P	TAYLOR #21-1	042N	076W	3	SW1/4NE1/4	T-CHAIR LAND COMPANY	5/31/1941	STK	383	80
P14647.0P	TAYLOR #21-2	042N	076W	2	SW1/4SW1/4	T-CHAIR LAND COMPANY	6/30/1958	STK	8	-1
P14648.0P	TAYLOR #21-3	042N	076W	4	NW1/4NW1/4	T-CHAIR LAND COMPANY	12/31/1934	STK	600	-1
P14649.0P	TAYLOR #21-4	042N	076W	4	NW1/4SW1/4	T-CHAIR LAND COMPANY	6/30/1959	STK	8	-1
P14651.0P	TAYLOR #23-1	042N	076W	5	SE1/4SE1/4	T-CHAIR LAND COMPANY	7/31/1959	STK	8	-1
P14652.0P	TAYLOR #23-2	042N	076W	6	SE1/4SW1/4	T-CHAIR LAND COMPANY	10/31/1964	STK	275	100
P14653.0P	TAYLOR #24-2	042N	076W	16	SE1/4NE1/4	T-CHAIR LAND COMPANY	7/31/1961	STK	350	200
P14655.0P	TAYLOR #24-23-1	042N	076W	8	SW1/4SW1/4	T-CHAIR LAND COMPANY	10/31/1940	STK	1266	100
P173265.0W	WPTU 75-9	042N	076W	7	NE1/4SE1/4	DEVON ENERGY PRODUCTION	2/6/2006	STK	1451	465
P63577.0W	MAUPIN #7 UPPER	042N	076W	11	NW1/4SE1/4	T-CHAIR LAND COMPANY	4/6/1983	STK	357	100
P63578.0W	MAUPIN #7 MIDDLE	042N	076W	11	NW1/4SE1/4	T-CHAIR LAND COMPANY	4/6/1983	STK	415	87
P63579.0W	MAUPIN #7 LOWER	042N	076W	11	NW1/4SE1/4	T-CHAIR LAND COMPANY	4/6/1983	STK	527	97

** Wyo. State Engineer's Office Abbreviations found in Table JD-D6F.1-2

ADDENDUM JD-D6H:

COAL BED METHANE WELLS
AND
OIL/GAS WELLS

April 2014

COAL BED METHANE WELLS AND OIL/GAS WELLS
ADDENDUM JD-D6H

TABLES

Page Number

Table JD-D6H.1-1. JANE DOUGH COAL BED METHANE WELLS (3 MILE RADIUS)

API	Company	Well Name	Section	Qtr/Qtr		STATUS
Township 43 North Range 77 West						
1922681	WOLD OIL PROPERTIES INC	JOHNSON 32-4377	36	SW NE	1931 FNL 2065 FEL	PG
1922682	WOLD OIL PROPERTIES INC	JOHNSON 21-4377	36	NE NW	647 FNL 1979 FWL	SI
1923090	WPX ENERGY ROCKY MOUNTAIN LLC	JOHNSON 14-24-4377	24	SW SW	605 FSL 528 FWL	PG
1923323	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 21-25-4377	25	NE NW	836 FNL 2175 FWL	PG
1923324	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 34-25-4377	25	SW SE	818 FSL 1867 FEL	PG
1923325	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 32-25-4377	25	SW NE	1839 FNL 1896 FEL	PG
1923326	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 23-25-4377	25	NE SW	1941 FSL 1967 FWL	PG
1923327	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 14-25-4377	25	SW SW	542 FSL 604 FWL	PG
1923328	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 12-25-4377	25	SW NW	2070 FNL 739 FWL	PG
1923329	WPX ENERGY ROCKY MOUNTAIN LLC	FEDERAL 43-23-4377	23	NE SE	2004 FSL 663 FEL	PG
1923330	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 41-23-4377	23	NE NE	651 FNL 804 FEL	PG
1923331	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 32-23-4377	23	SW NE	1837 FNL 2168 FEL	PG
1923332	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 43-25-4377	25	NE SE	2182 FSL 800 FEL	PG
1923333	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 34-24-4377	24	SW SE	816 FSL 2097 FEL	PG
1923334	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 32-24-4377	24	SW NE	2044 FNL 2026 FEL	PG
1923335	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 23-24-4377	24	NE SW	2078 FSL 1842 FWL	PG
1923336	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 34-23-4377	23	SW SE	785 FSL 2058 FEL	SI
1923337	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 43-11-4377	11	NE SE	2000 FSL 659 FEL	PG
1923349	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 43-14-4377	14	NE SE	1908 FSL 718 FEL	PG
1923350	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 34-14-4377	14	SW SE	506 FSL 2168 FEL	PG
1923351	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 23-13-4377	13	NE SW	2159 FSL 2012 FWL	PG
1923352	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 14-13-4377	13	SW SW	663 FSL 842 FWL	PG
1923353	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 41-12-4377	12	NE NE	574 FNL 607 FEL	PG
1923354	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 34-12-4377	12	SW SE	1142 FSL 2143 FEL	PA
1923355	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 23-12-4377	12	NE SW	2201 FSL 1789 FWL	PG
1923356	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 21-12-4377	12	NE NW	736 FNL 1819 FWL	PG
1923357	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 14-12-4377	12	SW SW	855 FSL 735 FWL	PG
1923358	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 12-12-4377	12	SW NW	2184 FNL 410 FWL	PG
1923399	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 43-24-4377	24	NE SE	2178 FSL 388 FEL	PG
1923401	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 43-12-4377	12	NE SE	2483 FSL 771 FEL	PG
1923402	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 41-25-4377	25	NE NE	637 FNL 602 FEL	PG
1923403	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 32-12-4377	12	SW NE	2164 FNL 1979 FEL	PG
1924197	WPX ENERGY ROCKY MOUNTAIN LLC	BCU DRY FORK 41-27-4377	27	NE NE	665 FNL 1146 FEL	PG
1924198	WPX ENERGY ROCKY MOUNTAIN LLC	BCU DRY FORK 32-27-4377	27	SW NE	1800 FNL 2411 FEL	PG
1924509	WOLD OIL PROPERTIES INC	JOHNSON STATE 12-36-4377	36	SW NW	2180 FNL 534 FWL	SI
1924510	WOLD OIL PROPERTIES INC	JOHNSON STATE 14-36-4377	36	SW SW	493 FSL 483 FWL	SI
1924511	WOLD OIL PROPERTIES INC	JOHNSON STATE 23-36-4377	36	NE SW	1878 FSL 1829 FWL	SI
1924512	WOLD OIL PROPERTIES INC	JOHNSON STATE 34-36-4377	36	SW SE	687 FSL 2039 FEL	PG
1924513	WOLD OIL PROPERTIES INC	JOHNSON STATE 41-36-4377	36	NE NE	807 FNL 722 FEL	SI
1924514	WOLD OIL PROPERTIES INC	JOHNSON STATE 43-36-4377	36	NE SE	2434 FSL 778 FEL	SI
1924807	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FED 12-26-4377	26	SW NW	1988 FNL 663 FWL	EP
1924808	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FED 32-26-4377	26	SW NE	1831 FNL 2052 FEL	EP

*** Wyo. Oil and Gas Conservation Commission
Abbreviations found in Table JD-D6H.1-2

Table JD-D6H.1-1. JANE DOUGH COAL BED METHANE WELLS (3 MILE RADIUS) (CONT.)

API	Company	Well Name	Section	Qtr/Qtr		STATUS
Township 43 North, Range 97 West						
1924913	WPX ENERGY ROCKY MOUNTAIN LLC	BCU DRY FORK 21-26-4377	26	NE NW	663 FNL 1990 FWL	PG
1925024	WPX ENERGY ROCKY MOUNTAIN LLC	BCU 34-27-4377	27	SW SE	639 FSL 1914 FEL	PG
1925057	WPX ENERGY ROCKY MOUNTAIN LLC	BCU 32-34-4377	34	SW NE	2188 FNL 1613 FEL	PG
1925058	WPX ENERGY ROCKY MOUNTAIN LLC	BCU 34-34-4377	34	SW SE	672 FSL 1976 FEL	PG
1925059	WPX ENERGY ROCKY MOUNTAIN LLC	BCU 41-34-4377	34	SE NE	1069 FNL 831 FEL	PG
1925060	WPX ENERGY ROCKY MOUNTAIN LLC	BCU 43-34-4377	34	NE SE	2155 FSL 583 FEL	PG
1925170	WPX ENERGY ROCKY MOUNTAIN LLC	STEPANEK 12-13-4377	13	SW NW	2079 FNL 462 FWL	PG
1925171	WPX ENERGY ROCKY MOUNTAIN LLC	STEPANEK 32-13-4377	13	SW NE	2190 FNL 2133 FEL	PG
1925172	WPX ENERGY ROCKY MOUNTAIN LLC	STEPANEK 41-14-4377	14	NE NE	736 FNL 779 FEL	PG
1926273	WPX ENERGY ROCKY MOUNTAIN LLC	BCU 14-14-4377	14	SW SW	854 FSL 855 FWL	PG
1926276	WPX ENERGY ROCKY MOUNTAIN LLC	BCU 21-14-4377	14	NE NW	714 FNL 1948 FWL	PG
1926277	WPX ENERGY ROCKY MOUNTAIN LLC	BCU 23-14-4377	14	NE SW	2031 FSL 1915 FWL	PG
1926301	WPX ENERGY ROCKY MOUNTAIN LLC	BCU 41-22-4377	22	NE NE	810 FNL 555 FEL	PG
1926302	WPX ENERGY ROCKY MOUNTAIN LLC	BCU 43-22-4377	22	NE SE	1791 FSL 523 FEL	PG
1926303	WPX ENERGY ROCKY MOUNTAIN LLC	BCU 12-23-4377	23	SW NW	1943 FNL 779 FWL	PG
1926304	WPX ENERGY ROCKY MOUNTAIN LLC	BCU 14-23-4377	23	SW SW	950 FSL 413 FWL	PG
1926305	WPX ENERGY ROCKY MOUNTAIN LLC	BCU 21-23-4377	23	NE NW	776 FNL 2103 FWL	PG
1926306	WPX ENERGY ROCKY MOUNTAIN LLC	BCU 23-23-4377	23	NE SW	2083 FSL 1977 FWL	PG
1926476	WPX ENERGY ROCKY MOUNTAIN LLC	STEPANEK FED 32-14-4377	14	SW NE	2176 FNL 1808 FEL	PG
1926644	WPX ENERGY ROCKY MOUNTAIN LLC	STEPANEK 34-13-4377	13	SW SE	436 FSL 2535 FEL	PG
1926829	WOLD OIL PROPERTIES INC	FEDERAL JOHNSON 14-26-4377	26	SW SW	696 FSL 1036 FWL	PG
1926830	WOLD OIL PROPERTIES INC	JOHNSON FEDERAL 23-35-4377	35	NE SW	2122 FSL 2349 FWL	PG
1926831	WOLD OIL PROPERTIES INC	JOHNSON FEDERAL 43-35-4377	35	NE SE	2001 FSL 668 FEL	EP
1926832	WOLD OIL PROPERTIES INC	JOHNSON FEDERAL 41-35-4377	35	NE NE	616 FNL 663 FEL	EP
1926833	WOLD OIL PROPERTIES INC	JOHNSON FEDERAL 34-35-4377	35	SW SE	706 FSL 2030 FEL	PG
1926834	WOLD OIL PROPERTIES INC	JOHNSON FEDERAL 32-35-4377	35	SW NE	1996 FNL 1997 FEL	PG
1926835	WOLD OIL PROPERTIES INC	JOHNSON FEDERAL 21-35-4377	35	NE NW	661 FNL 1991 FWL	PG
1926836	WOLD OIL PROPERTIES INC	JOHNSON FEDERAL 14-35-4377	35	SW SW	661 FSL 673 FWL	PG
1926837	WOLD OIL PROPERTIES INC	JOHNSON FEDERAL 12-35-4377	35	SW NW	1890 FNL 687 FWL	EP
1926838	WOLD OIL PROPERTIES INC	FEDERAL (JOHNSON) 43-27-4377	27	NE SE	1985 FSL 666 FEL	EP
1926841	WOLD OIL PROPERTIES INC	JOHNSON FEDERAL 43-26-4377	26	NE SE	1956 FSL 490 FEL	PG
1926842	WOLD OIL PROPERTIES INC	JOHNSON FEDERAL 41-26-4377	26	NE NE	668 FNL 664 FEL	PG
1926843	WOLD OIL PROPERTIES INC	JOHNSON FEDERAL 34-26-4377	26	SW SE	608 FSL 2104 FEL	PG
1926844	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FED 32-26-4377	26	SW NE	1845 FNL 2140 FEL	PG
1926845	WOLD OIL PROPERTIES INC	JOHNSON FEDERAL 23-26-4377	26	NE SW	2070 FSL 2241 FWL	PG
1927124	YATES PETROLEUM CORPORATION	BLADE CS FEDERAL COM 17	13	NE NW	705 FNL 2132 FWL	PG
1927125	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FED 34-11-4377	11	SW SE	977 FSL 2532 FEL	PG
1928416	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FED 12-26-4377	26	SW NW	1988 FNL 663 FWL	SI
1928485	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FEDERAL 34-12-4377R	12	SW SE	641 FSL 1561 FEL	PG
1928524	YATES PETROLEUM CORPORATION	BLADE CS FEDERAL 19	24	NE NW	668 FNL 1973 FWL	PG
1928527	YATES PETROLEUM CORPORATION	BLADE CS FEDERAL 20	24	SW NW	1959 FNL 789 FWL	PG
1928528	YATES PETROLEUM CORPORATION	BLADE CS FEDERAL 18	13	NE SE	2195 FSL 767 FEL	PG
1928529	YATES PETROLEUM CORPORATION	BLADE CS FEDERAL 16	13	NE NE	729 FNL 635 FEL	PG

*** Wyo. Oil and Gas Conservation Commission
Abbreviations found in Table JD-D6H.1-2

Table JD-D6H.1-1. JANE DOUGH COAL BED METHANE WELLS (3 MILE RADIUS) (CONT.)

API	Company	Well Name	Section	Qtr/Qtr		STATUS
Township 43 North - Range 77 West						
1928531	YATES PETROLEUM CORPORATION	BLADE CS FEDERAL 3	1	NE SE	1932 FSL 783 FEL	PG
1928532	YATES PETROLEUM CORPORATION	BLADE CS FEDERAL 4	1	SW SE	845 FSL 1762 FEL	PG
Township 43 North - Range 78 West						
540940	YATES PETROLEUM CORPORATION	ROLLING PIN CS STATE 2	16	NW SE	2033 FSL 2127 FEL	PG
547350	YATES PETROLEUM CORPORATION	SPATULA CS STATE 5	16	NE SW	1876 FSL 2017 FWL	PG
547629	ANADARKO E&P ONSHORE LLC	T-C RANCH 2S-15	2	SW SE	576 FSL 1927 FEL	PG
547630	ANADARKO E&P ONSHORE LLC	T-C RANCH 2S-13	2	SW SW	567 FSL 507 FWL	SI
547631	ANADARKO E&P ONSHORE LLC	T-C RANCH 2S-9	2	NE SE	2049 FSL 729 FEL	PG
547632	ANADARKO E&P ONSHORE LLC	T-C RANCH 2S-5	2	SW NW	2108 FNL 694 FWL	PG
550643	WPX ENERGY ROCKY MOUNTAIN LLC	IBERLIN RANCH 23-33-4376	33	NE SW	2060 FSL 2151 FWL	PG
550644	WPX ENERGY ROCKY MOUNTAIN LLC	IBERLIN RANCH 34-28-4376	28	SW SE	509 FSL 1888 FEL	PG
550646	WPX ENERGY ROCKY MOUNTAIN LLC	IBERLIN RANCH 23-34-4376	34	NE SW	2108 FSL 1892 FWL	PG
553210	WPX ENERGY ROCKY MOUNTAIN LLC	IBERLIN RANCH 43-33-4376	33	NE SE	2084 FSL 571 FEL	PG
553211	WPX ENERGY ROCKY MOUNTAIN LLC	IBERLIN RANCH 14-33-4376	33	SW SW	501 FSL 559 FWL	PG
553212	WPX ENERGY ROCKY MOUNTAIN LLC	IBERLIN RANCH 32-32-4376	32	SW NE	1806 FNL 1975 FEL	PG
553213	WPX ENERGY ROCKY MOUNTAIN LLC	IBERLIN RANCH 23-28-4376	28	NE SW	2085 FSL 1785 FWL	SI
553214	WPX ENERGY ROCKY MOUNTAIN LLC	IBERLIN RANCH 14-28-4376	28	SW SW	563 FSL 701 FWL	SI
553232	WPX ENERGY ROCKY MOUNTAIN LLC	IBERLIN RANCH 43-34-4376	34	NE SE	2073 FSL 818 FEL	PG
553233	WPX ENERGY ROCKY MOUNTAIN LLC	IBERLIN RANCH 34-34-4376	34	SW SE	489 FSL 1818 FEL	PG
553234	WPX ENERGY ROCKY MOUNTAIN LLC	IBERLIN RANCH 14-34-4376	34	SW SW	800 FSL 578 FWL	PG
553248	WPX ENERGY ROCKY MOUNTAIN LLC	IBERLIN RANCH 41-32-4376	32	NE NE	945 FNL 550 FEL	PG
553319	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 34-8-4376	8	SW SE	682 FSL 1993 FEL	PG
553320	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 43-8-4376	8	NE SE	2173 FSL 912 FEL	PG
553321	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 12-10-4376	10	SW NW	2189 FNL 884 FWL	PG
553322	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 14-10-4376	10	SW SW	868 FSL 672 FWL	PG
553323	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 21-10-4376	10	NE NW	533 FNL 2164 FWL	PG
553324	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 23-10-4376	10	NE SW	1957 FSL 2059 FWL	PG
553325	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 41-17-4376	17	NE NE	756 FNL 745 FEL	PA
553326	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 43-17-4376	17	NE SE	2045 FSL 667 FEL	PG
553733	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 41-20-4376	20	NE NE	707 FNL 791 FEL	PG
553734	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 21-21-4376	21	NE NW	425 FNL 1905 FWL	PG
553735	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 41-21-4376	21	NE NE	830 FNL 836 FEL	PG
553736	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 12-22-4376	22	SW NW	1700 FNL 705 FWL	PG
553737	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 21-22-4376	22	NE NW	490 FNL 1798 FWL	PG
553738	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 23-22-4376	22	NE SW	2082 FSL 2049 FWL	PG
553739	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 33-22-4376	22	NW SE	1476 FSL 2022 FEL	PG
553740	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 43-22-4376	22	NE SE	2371 FSL 434 FEL	PG
553900	YATES PETROLEUM CORPORATION	SPATULA CS STATE 2	16	NE NW	712 FNL 1889 FWL	SI
555875	ENCORE ENERGY PARTNERS OPERATING	STATE T-C RANCH 34-36-4376B	36	SW SE	721 FSL 1934 FEL	SI
557467	ANADARKO E&P ONSHORE LLC	DRY WILLOW FEE 4376 2-43	2	NE SE	2066 FSL 741 FEL	EP
557498	ENCORE ENERGY PARTNERS OPERATING	SOUTH BUTTE STATE 43-36-4376B	36	NE SE	1878 FSL 721 FEL	EP
557499	ENCORE ENERGY PARTNERS OPERATING	SOUTH BUTTE STATE 41-36-4376B	36	NE NE	804 FNL 468 FEL	EP

*** Wyo. Oil and Gas Conservation Commission
Abbreviations found in Table JD-D6H.1-2

Table JD-D6H.1-1. JANE DOUGH COAL BED METHANE WELLS (3 MILE RADIUS) (CONT.)

API	Company	Well Name	Section	Qtr/Qtr		STATUS
Township 49 North - Range 76 West						
557500	ENCORE ENERGY PARTNERS OPERATING	SOUTH BUTTE STATE 32-36-4376B	36	SW NE	2060 FNL 1896 FEL	EP
557501	BILL BARRETT CORPORATION	SOUTH BUTTE STATE 14-36-4376B	36	SW SW	695 FSL 853 FWL	EP
557549	YATES PETROLEUM CORPORATION	CUISINE CS FEDERAL 3	20	SW SE	620 FSL 2116 FEL	PG
558024	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 3-12	3	SW NW	2213 FNL 478 FWL	PG
558025	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 3-14	3	SW SW	940 FSL 622 FWL	PG
558026	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 3-22	3	SE NW	2428 FNL 2133 FWL	PG
558027	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 3-23	3	NE SW	1918 FSL 2030 FWL	PG
558028	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 3-32	3	SW NE	1859 FNL 1939 FEL	PG
558029	ANADARKO PETROLEUM CORPORATION	T-CHAIR FED 4376 3-34	3	SW SE	1174 FSL 2209 FEL	EP
558031	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 3-43	3	NE SE	1960 FSL 770 FEL	PG
558032	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 4-12	4	SW NW	2039 FNL 516 FWL	PG
558033	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 4-14	4	SW SW	680 FSL 666 FWL	PG
558034	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 4-21	4	NE NW	784 FNL 2113 FWL	PG
558035	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 4-23	4	NE SW	2048 FSL 2061 FWL	PG
558036	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 4-32	4	SW NE	1933 FNL 2010 FEL	PG
558037	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 4-34	4	SW SE	784 FSL 1989 FEL	PG
558038	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 4-41	4	NE NE	560 FNL 527 FEL	PG
558039	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 4-43	4	NE SE	2260 FSL 771 FEL	PG
558040	ANADARKO PETROLEUM CORPORATION	DRY WILLOW FED 4376 15-34	15	SW SE	479 FSL 1800 FEL	EP
558041	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 15-14	15	SW SW	497 FSL 808 FWL	PG
558042	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 15-43	15	NE SE	1990 FSL 697 FEL	PG
558043	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 26-41	26	NE NE	714 FNL 712 FEL	PG
558044	ANADARKO E&P ONSHORE LLC	T-CHAIR LAND 4376 26-32	26	SW NE	2096 FNL 1835 FEL	PG
558045	ANADARKO E&P ONSHORE LLC	T-CHAIR 4376 14-43	14	NE SE	2210 FSL 701 FEL	PG
558047	ANADARKO E&P ONSHORE LLC	T-CHAIR 4376 23-14	23	SW SW	981 FSL 1294 FWL	PG
558062	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 14-41	14	NE NE	749 FNL 484 FEL	PG
558065	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 14-32	14	SW NE	1886 FNL 1822 FEL	PG
558067	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 14-23	14	NE SW	2089 FSL 1885 FWL	PG
558069	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 14-21	14	NE NW	561 FNL 1833 FWL	PG
558070	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 14-14	14	SW SW	863 FSL 657 FWL	PG
558071	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 14-12	14	SW NW	2114 FNL 543 FWL	PG
558072	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 11-43	11	NE SE	1996 FSL 701 FEL	PG
558073	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 11-41	11	NE NE	811 FNL 652 FEL	PG
558074	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 11-34	11	SW SE	753 FSL 1561 FEL	PG
558075	ANADARKO E&P ONSHORE LLC	T-CHAIR 4376 11-32	11	SW NE	1726 FNL 1649 FEL	PG
558076	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 11-23	11	NE SW	2180 FSL 1916 FWL	PG
558077	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 11-21	11	NE NW	598 FNL 2134 FWL	PG
558078	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 11-14	11	SW SW	739 FSL 603 FWL	PG
558079	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 11-12	11	SW NW	1741 FNL 766 FWL	PG
558080	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 10-43	10	NE SE	1838 FSL 839 FEL	PG
558081	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 10-41	10	NE NE	552 FNL 790 FEL	PG
558082	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 10-34	10	SW SE	548 FSL 1762 FEL	PG

*** Wyo. Oil and Gas Conservation Commission
Abbreviations found in Table JD-D6H.1-2

Table JD-D6H.1-1. JANE DOUGH COAL BED METHANE WELLS (3 MILE RADIUS) (CONT.)

API	Company	Well Name	Section	Qtr/Qtr		STATUS
Township 43 North - Range 78 West						
558083	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 10-32	10	SW NE	1888 FNL 2183 FEL	PG
558099	ANADARKO E&P ONSHORE LLC	STATE FED 4376 23-12	23	SW NW	2047 FNL 1169 FWL	PG
558100	ANADARKO E&P ONSHORE LLC	STATE FED 4376 23-23	23	NE SW	2052 FSL 2195 FWL	PG
558101	ANADARKO E&P ONSHORE LLC	STATE FED 4376 23-32	23	SW NE	2031 FNL 2181 FEL	PG
558102	ANADARKO E&P ONSHORE LLC	STATE FED 4376 23-34	23	SW SE	387 FSL 1831 FEL	PG
558103	ANADARKO E&P ONSHORE LLC	STATE FED 4376 23-41	23	NE NE	490 FNL 472 FEL	PG
558104	ANADARKO E&P ONSHORE LLC	STATE FED 4376 23-43	23	NE SE	1678 FSL 633 FEL	PG
558105	ANADARKO E&P ONSHORE LLC	STATE FED 4376 23-21	23	NE NW	1078 FNL 2276 FWL	PG
558232	YATES PETROLEUM CORPORATION	SPATULA CS STATE 1	16	NE NE	723 FNL 561 FEL	PG
558233	YATES PETROLEUM CORPORATION	SPATULA CS STATE 3	16	SW NW	1956 FNL 715 FWL	PG
558234	YATES PETROLEUM CORPORATION	SPATULA CS STATE 4	16	SW NE	1936 FNL 1951 FEL	PG
558235	YATES PETROLEUM CORPORATION	SPATULA CS STATE 6	16	SW SW	746 FSL 527 FWL	PG
558387	YATES PETROLEUM CORPORATION	ROLLING PIN CS STATE 1	16	SE SE	565 FSL 745 FEL	PG
558433	WPX ENERGY ROCKY MOUNTAIN LLC	IBERLIN RANCH 43-28-4376	28	NE SE	2132 FSL 934 FEL	SI
558860	WPX ENERGY ROCKY MOUNTAIN LLC	IBERLIN RANCH 34-33-4376	33	SW SE	1057 FSL 2081 FEL	PG
559109	ANADARKO E&P ONSHORE LLC	DRY WILLOW FED 4376 2-23	2	NE SW	2046 FSL 1920 FWL	EP
559438	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 41-17-4376R	17	NE NE	759 FNL 761 FEL	SI
559561	ANADARKO E&P ONSHORE LLC	T-CHAIR LAND 4376 26-21	26	NE NW	791 FNL 2307 FWL	PG
559562	ANADARKO E&P ONSHORE LLC	T-CHAIR LAND 4376 26-43	26	NE SE	2362 FSL 702 FEL	PG
559806	YATES PETROLEUM CORPORATION	CUISINE CS FEDERAL 2	20	NE SE	2160 FSL 548 FEL	PG
559807	YATES PETROLEUM CORPORATION	CUISINE CS FED 1	20	SW NE	2172 FNL 2027 FEL	PG
560050	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 32-28-4376	28	SW NE	1856 FNL 1853 FEL	PG
560051	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 34-9-4376	9	SW SE	786 FSL 2119 FEL	PG
560052	WPX ENERGY ROCKY MOUNTAIN LLC	T-CJAIR FED 41-9-4376	9	NE NE	667 FNL 741 FEL	PG
560053	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 43-9-4376	9	NE SE	1950 FSL 837 FEL	PG
560054	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 32-17-4376	17	SW NE	2024 FNL 2125 FEL	PG
560055	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 34-17-4376	17	SW SE	852 FSL 2060 FEL	PG
560056	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 14-21-4376	21	SW SW	636 FSL 863 FWL	PG
560057	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 23-21-4376	21	NE SW	2021 FSL 1900 FWL	PG
560058	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 34-21-4376	21	SW SE	678 FSL 1995 FEL	PG
560059	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 43-21-4376	21	NE SE	1934 FSL 728 FEL	PG
560060	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 14-22-4376	22	SW SW	601 FSL 542 FWL	PG
560061	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 23-27-4376	27	NE SW	1915 FSL 2017 FWL	PG
560062	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 14-27-4376	27	SW SW	661 FSL 798 FWL	PG
560063	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 21-27-4376	27	NE NW	715 FNL 1825 FWL	PG
560064	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 32-27-4376	27	SW NE	2183 FNL 1836 FEL	PG
560065	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 32-8-4376	8	SW NE	2194 FNL 1873 FEL	PG
560066	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 34-27-4376	27	SW SE	709 FSL 2096 FEL	PG
560067	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 41-8-4376	8	NE NE	599 FNL 474 FEL	PG
560068	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 41-27-4376	27	NE NE	720 FNL 606 FEL	PG
560069	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 12-9-4376	9	SW NW	2015 FNL 597 FWL	PG
560070	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 32-9-4376	9	SW NE	1883 FNL 1810 FEL	PG

*** Wyo. Oil and Gas Conservation Commission
Abbreviations found in Table JD-D6H.1-2

Table JD-D6H.1-1. JANE DOUGH COAL BED METHANE WELLS (3 MILE RADIUS) (CONT.)

API	Company	Well Name	Section	Qtr/Qtr		STATUS
Township 43 North - Range 76 West						
560071	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 43-27-4376	27	NE SE	2017 FSL 670 FEL	PG
560072	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 12-28-4376	28	SW NW	2008 FNL 856 FWL	PG
560073	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 21-28-4376	28	NE NW	686 FNL 2013 FWL	PG
560200	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 34-5-4376	5	SW SE	1059 FSL 2602 FEL	PG
560201	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 41-5-4376	5	NE NE	458 FNL 580 FEL	PG
560202	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 43-5-4376	5	NE SE	2330 FSL 808 FEL	PG
560203	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 21-9-4376	9	NE NW	501 FNL 2207 FWL	PG
560204	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 32-21-4376	21	SW NE	2262 FNL 2275 FEL	PG
560205	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 12-27-4376	27	SW NW	2051 FNL 1102 FWL	PG
560206	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 41-28-4376	28	NE NE	585 FNL 891 FEL	PG
560224	WPX ENERGY ROCKY MOUNTAIN LLC	STATE FED 32-22-4376	22	SW NE	1831 FNL 2305 FEL	PG
560225	WPX ENERGY ROCKY MOUNTAIN LLC	STATE FED 23-9-4376	9	NE SW	2338 FSL 2215 FWL	PG
560226	WPX ENERGY ROCKY MOUNTAIN LLC	STATE FED 14-9-4376	9	SW SW	964 FSL 840 FWL	PG
560261	ANADARKO E&P ONSHORE LLC	STATE 4376 36-12	36	SW NW	1820 FNL 771 FWL	SI
560266	ANADARKO E&P ONSHORE LLC	STATE 4376 36-21	36	NE NW	701 FNL 1765 FWL	EP
560340	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 31-22-4376	22	NW NE	640 FNL 1387 FEL	PG
560353	ANADARKO PETROLEUM CORPORATION	DRY WILLOW FED 4376 12-12	12	SW NW	2007 FNL 525 FWL	EP
560355	ANADARKO E&P ONSHORE LLC	DRY WILLOW FED 4376 12-14	12	SW SW	669 FSL 466 FWL	PG
560357	ANADARKO E&P ONSHORE LLC	DRY WILLOW FED 4376 12-23	12	NE SW	2183 FSL 1598 FWL	PG
560358	ANADARKO E&P ONSHORE LLC	DRY WILLOW FED 4376 13-12	13	SW NW	1958 FNL 589 FWL	PG
560359	ANADARKO E&P ONSHORE LLC	DRY WILLOW FED 4376 13-14	13	SW SW	753 FSL 845 FWL	PG
560360	ANADARKO PETROLEUM CORPORATION	DRY WILLOW FED 4376 13-21	13	NE NW	535 FNL 1860 FWL	EP
560361	ANADARKO PETROLEUM CORPORATION	DRY WILLOW FED 4376 13-23	13	NE SW	1935 FSL 1619 FWL	EP
560362	ANADARKO PETROLEUM CORPORATION	DRY WILLOW FED 4376 13-34	13	SW SE	461 FSL 2080 FEL	EP
560363	ANADARKO PETROLEUM CORPORATION	DRY WILLOW FED 4376 24-12	24	SW NW	1415 FNL 1107 FWL	EP
560364	ANADARKO PETROLEUM CORPORATION	DRY WILLOW FED 4376 24-14	24	SW SW	536 FSL 737 FWL	EP
560365	ANADARKO PETROLEUM CORPORATION	DRY WILLOW FED 4376 24-21	24	NE NW	511 FNL 1796 FWL	EP
560366	ANADARKO E&P ONSHORE LLC	DRY WILLOW FED 4376 24-41	24	NE NE	642 FNL 791 FEL	PG
560493	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 12-21-4376	21	SW NW	2677 FNL 749 FWL	PG
560532	ANADARKO E&P ONSHORE LLC	DRY FORK FED 4376 29-32	29	SW NE	2093 FNL 1919 FEL	PG
560533	ANADARKO E&P ONSHORE LLC	DRY FORK FED 4376 29-34	29	SW SE	453 FSL 1811 FEL	SI
560534	ANADARKO E&P ONSHORE LLC	DRY FORK FED 4376 29-43	29	NE SE	1932 FSL 837 FEL	SI
560535	ANADARKO PETROLEUM CORPORATION	IBERLIN RANCH FED 4376 32-34	32	SW SE	604 FSL 1913 FEL	EP
560536	ANADARKO PETROLEUM CORPORATION	IBERLIN RANCH FED 4376 32-43	32	NE SE	1894 FSL 554 FEL	EP
560537	ANADARKO PETROLEUM CORPORATION	IBERLIN RANCH FED 4376 33-12	33	SW NW	1776 FNL 657 FWL	EP
560538	ANADARKO E&P ONSHORE LLC	IBERLIN RANCH FED 4376 33-41	33	NE NE	466 FNL 641 FEL	PG
560539	ANADARKO E&P ONSHORE LLC	IBERLIN RANCH FED 4376 34-12	34	SW NW	1859 FNL 619 FWL	PG
560540	ANADARKO E&P ONSHORE LLC	IBERLIN RANCH FED 4376 34-21	34	NE NW	627 FNL 2109 FWL	PG
560541	ANADARKO PETROLEUM CORPORATION	IBERLIN RANCH FED 4376 34-32	34	SW NE	1761 FNL 2503 FEL	EP
560542	ANADARKO E&P ONSHORE LLC	IBERLIN RANCH FED 4376 34-41	34	NE NE	540 FNL 990 FEL	PG
560543	ANADARKO E&P ONSHORE LLC	IBERLIN RANCH FED 4376 35-12	35	SW NW	2004 FNL 495 FWL	PG
560544	ANADARKO PETROLEUM CORPORATION	IBERLIN RANCH FED 4376 35-14	35	SW SW	574 FSL 795 FWL	EP

*** Wyo. Oil and Gas Conservation Commission
Abbreviations found in Table JD-D6H.1-2

Table JD-D6H.1-1. JANE DOUGH COAL BED METHANE WELLS (3 MILE RADIUS) (CONT.)

API	Company	Well Name	Section	Qtr/Qtr		STATUS
Township 43 North, Range 76 West, 6th PM						
560547	ANADARKO PETROLEUM CORPORATION	T-CHAIR FED 4376 35-41	35	NE NE	543 FNL 622 FEL	EP
560548	ANADARKO PETROLEUM CORPORATION	T-CHAIR FED 4376 35-34	35	SW SE	525 FSL 2178 FEL	EP
560549	ANADARKO PETROLEUM CORPORATION	T-CHAIR FED 4376 35-32	35	SW NE	2170 FNL 2001 FEL	EP
560550	ANADARKO PETROLEUM CORPORATION	T-CHAIR FED 4376 26-34	26	SW SE	799 FSL 1928 FEL	EP
560551	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 26-12	26	SW NW	2106 FNL 694 FWL	SI
560552	ANADARKO PETROLEUM CORPORATION	T-CHAIR FED 4376 25-34	25	SW SE	1243 FSL 1975 FEL	EP
560553	ANADARKO PETROLEUM CORPORATION	T-CHAIR FED 4376 25-32	25	SW NE	2155 FNL 1959 FEL	EP
560554	ANADARKO PETROLEUM CORPORATION	T-CHAIR FED 4376 25-23	25	NE SW	2100 FSL 1831 FWL	EP
560555	ANADARKO PETROLEUM CORPORATION	T-CHAIR FED 4376 25-21	25	NE NW	494 FNL 1821 FWL	EP
560556	ANADARKO PETROLEUM CORPORATION	T-CHAIR FED 4376 25-14	25	SW SW	691 FSL 465 FWL	EP
560557	ANADARKO PETROLEUM CORPORATION	T-CHAIR FED 4376 25-12	25	SW NW	1859 FNL 669 FWL	EP
560558	ANADARKO E&P ONSHORE LLC	DRY FORK FED 4376 29-31	29	NW NE	712 FNL 1803 FEL	SI
560563	ANADARKO E&P ONSHORE LLC	IBERLIN RANCH FED 4376 33-21	33	NE NW	22 FNL 2161 FWL	SI
560564	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 35-43	35	NE SE	1754 FSL 905 FEL	AP
560565	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 26-14	26	SW SW	1051 FSL 683 FWL	PG
560566	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 35-23	35	NE SW	1954 FSL 2450 FWL	AP
560567	ANADARKO PETROLEUM CORPORATION	IBERLIN RANCH FED 4376 33-32	33	SW NE	2268 FNL 1719 FEL	EP
560568	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 26-23	26	NE SW	1382 FSL 2412 FWL	EP
560606	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 35-21	35	NE NW	676 FNL 2022 FWL	EP
560934	ANADARKO E&P ONSHORE LLC	T-CHAIR FED 4376 3-33	3	NW SE	1648 FSL 2253 FEL	SI
1922125	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR RANCH STATE 34-18-4376	18	SW SE	743 FSL 2040 FEL	PG
1923123	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 34-7-4376	7	SW SE	553 FSL 1960 FEL	PG
1923124	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 43-7-4376	7	NE SE	2139 FSL 618 FEL	PG
1924836	WPX ENERGY ROCKY MOUNTAIN LLC	IBERLIN RANCH 21-32-4376	32	NE NW	842 FNL 1967 FWL	PG
1924837	WPX ENERGY ROCKY MOUNTAIN LLC	IBERLIN RANCH 12-32-4376	32	SW NW	1798 FNL 684 FWL	PG
1924838	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 34-31-4376	31	SW SE	661 FSL 2024 FEL	PG
1924839	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 32-31-4376	31	SW NE	2627 FNL 2146 FEL	PG
1924840	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 21-31-4376	31	NE NW	506 FNL 1896 FWL	PG
1924841	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 14-31-4376	31	SW SW	786 FSL 672 FWL	PG
1924842	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 12-31-4376	31	SW NW	1999 FNL 770 FWL	SI
1924843	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 23-30-4376	30	NE SW	2000 FSL 1966 FWL	PG
1924844	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 14-30-4376	30	SW SW	519 FSL 746 FWL	PG
1924845	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 12-30-4376	30	SW NW	2115 FNL 843 FWL	PG
1924846	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 23-29-4376	29	NE SW	1862 FSL 2049 FWL	PG
1924847	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 21-29-4376	29	NE NW	776 FNL 2114 FWL	PG
1924848	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 14-29-4376	29	SW SW	546 FSL 813 FWL	SI
1924849	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 12-29-4376	29	SW NW	1846 FNL 705 FWL	PG
1924850	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 23-20-4376	20	NE SW	2072 FSL 2068 FWL	PG
1924851	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 14-20-4376	20	SW SW	717 FSL 514 FWL	PG
1924852	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 34-19-4376	19	SW SE	714 FSL 2022 FEL	PG
1924853	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 14-19-4376	19	SW SW	744 FSL 689 FWL	EP
1924854	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 12-19-4376	19	SW NW	1911 FNL 737 FWL	PG

*** Wyo. Oil and Gas Conservation Commission
Abbreviations found in Table JD-D6H.1-2

Table JD-D6H.1-1. JANE DOUGH COAL BED METHANE WELLS (3 MILE RADIUS) (CONT.)

API	Company	Well Name	Section	Qtr/Qtr		STATUS
Township 43 North - Range 76 West						
1924916	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 43-19-4376	19	NE SE	2230 FSL 802 FEL	PG
1924917	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK 23-31-4376	31	NE SW	2225 FSL 2224 FWL	PG
1924953	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 12-18-4376	18	SW NW	2111 FNL 755 FWL	PG
1924954	WPX ENERGY ROCKY MOUNTAIN LLC	PAYNE 23-18-4376	18	NE SW	2080 FSL 2097 FWL	PG
1924955	WPX ENERGY ROCKY MOUNTAIN LLC	PAYNE 32-18-4376	18	SW NE	2084 FNL 2145 FEL	PG
1924956	WPX ENERGY ROCKY MOUNTAIN LLC	PAYNE 41-18-4376	18	NE NE	797 FNL 854 FEL	PG
1925007	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 21-19-4376	19	NE NW	491 FNL 1918 FWL	PG
1925008	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 32-19-4376	19	SW NE	2022 FNL 2184 FEL	PG
1925009	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 41-19-4376	19	NE NE	438 FNL 631 FEL	PG
1925010	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 12-20-4376	20	SW NW	1910 FNL 493 FWL	PG
1925011	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 21-20-4376	20	NE NW	755 FNL 1912 FWL	PG
1926474	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 12-5-4376	5	SW NW	1887 FNL 587 FWL	PG
1926475	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FED 32-30-4376	30	SW NE	1849 FNL 1908 FEL	PG
1927496	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FED 21-30-4376	30	NE NW	616 FNL 1834 FWL	PG
1927497	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FED 34-30-4376	30	SW SE	664 FSL 2024 FEL	PG
1927498	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FED 41-30-4376	30	NE NE	622 FNL 852 FEL	PG
1927499	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FED 43-30-4376	30	NE SE	2054 FSL 487 FEL	PG
1927500	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FED 41-31-4376	31	NE NE	812 FNL 656 FEL	PG
1927666	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 21-18-4376	18	NE NW	763 FNL 2268 FWL	PG
1927724	WPX ENERGY ROCKY MOUNTAIN LLC	DRY FORK FED 43-31-4376	31	NE SE	2129 FSL 976 FEL	PG
1928157	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 23-8-4376	8	NE SW	1657 FSL 2246 FWL	PA
1928541	YATES PETROLEUM CORPORATION	MIXER CS FEDERAL COM 2	19	SW SW	723 FSL 684 FWL	PG
1928542	YATES PETROLEUM CORPORATION	MIXER CS FEDERAL 1	19	NE SW	2083 FSL 1966 FWL	PG
1928566	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR 23-8-4376R	8	NE SW	1823 FSL 2222 FWL	PG
1928665	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 14-17-4376	17	SW SW	863 FSL 673 FWL	PG
1928666	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 14-18-4376	18	SW SW	750 FSL 807 FWL	PA
1928667	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 43-18-4376	18	NE SE	2349 FSL 845 FEL	PG
1928668	WPX ENERGY ROCKY MOUNTAIN LLC	CHAIR FED 32-6-4376	6	SW NE	2152 FNL 1954 FEL	PG
1928669	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 23-17-4376	17	NE SW	2173 FSL 1871 FWL	PG
1928670	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 12-7-4376	7	SW NW	1882 FNL 712 FWL	PG
1928671	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 14-7-4376	7	SW SW	728 FSL 715 FWL	PG
1928672	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 21-7-4376	7	NE NW	547 FNL 2149 FWL	PG
1928673	WPX ENERGY ROCKY MOUNTAIN LLC	PAYNE FED 32-7-4376	7	SW NE	2007 FNL 2122 FEL	PG
1928674	WPX ENERGY ROCKY MOUNTAIN LLC	PAYNE FED 41-7-4376	7	NE NE	796 FNL 575 FEL	PG
1928675	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 12-8-4376	8	SW NW	2047 FNL 469 FWL	PG
1928676	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 14-8-4376	8	SW SW	728 FSL 771 FWL	PG
1928677	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 14-5-4376	5	SW SW	577 FSL 740 FWL	PG
1928678	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 21-5-4376	5	NE NW	839 FNL 1854 FWL	PG
1928679	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 23-5-4376	5	NE SW	1945 FSL 1955 FWL	PG
1928680	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 14-6-4376	6	SW SW	683 FSL 698 FWL	PG
1928681	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 23-6-4376	6	NE SW	1856 FSL 1920 FWL	PG
1928709	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 32-5-4376	5	SW NE	2171 FNL 2260 FEL	PG

*** Wyo. Oil and Gas Conservation Commission
Abbreviations found in Table JD-D6H.1-2

Table JD-D6H.1-1. JANE DOUGH COAL BED METHANE WELLS (3 MILE RADIUS) (CONT.)

API	Company	Well Name	Section	Qtr/Qtr		STATUS
Township 43 North - Range 76 West						
1928710	WPX ENERGY ROCKY MOUNTAIN LLC	PAYNE FED 34-6-4376	6	SW SE	688 FSL 1749 FEL	PG
1928712	WPX ENERGY ROCKY MOUNTAIN LLC	PAYNE FED 43-6-7376	6	NE SE	2529 FSL 294 FEL	PA
1928713	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 23-7-4376	7	NE SW	1841 FSL 2184 FWL	PG
1928714	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 21-8-4376	8	NE NW	761 FNL 1625 FWL	PG
1928715	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 12-17-4376	17	SW NW	1990 FNL 1008 FWL	PG
1928716	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 21-17-4376	17	NE NW	905 FNL 2247 FWL	PG
1928810	WPX ENERGY ROCKY MOUNTAIN LLC	T-CHAIR FED 14-18-4376R	18	SW SW	710 FSL 828 FWL	PG
1928881	ANADARKO PETROLEUM CORPORATION	IBERLIN RANCH FED 4376 32-14	32	SW SW	505 FSL 585 FWL	EP
1928882	ANADARKO PETROLEUM CORPORATION	IBERLIN RANCH FED 4376 32-23	32	NE SW	2154 FSL 2166 FWL	EP
Township 42 North - Range 76 West						
534518	YATES PETROLEUM CORPORATION	FLETCHER CANYON CS S 1	16	SE NE	1962 FNL 605 FEL	PG
549130	YATES PETROLEUM CORPORATION	FLETCHER CANYON CS DUAL STATE	16	NE NW	668 FNL 2011 FWL	PG
550645	WPX ENERGY ROCKY MOUNTAIN LLC	IBERLIN RANCH 34-5-4276	5	SW SE	596 FSL 1946 FEL	PG
551819	DEVON ENERGY PRODUCTION COMPANY L	WPTU 9S-1	9	NE NE	693 FNL 472 FEL	PG
551820	DEVON ENERGY PRODUCTION COMPANY L	WPTU 9S-3	9	NE NW	729 FNL 1728 FWL	SI
551821	DEVON ENERGY PRODUCTION COMPANY L	WPTU 9S-5	9	SW NW	1908 FNL 700 FWL	SI
551822	DEVON ENERGY PRODUCTION COMPANY L	WPTU 9S-7	9	SW NE	1812 FNL 1915 FEL	SI
551823	DEVON ENERGY PRODUCTION COMPANY L	WPTU 9S-9	9	NE SE	1596 FSL 1075 FEL	PG
551824	DEVON ENERGY PRODUCTION COMPANY L	WPTU 9S-11	9	NE SW	2060 FSL 2346 FWL	PG
551825	DEVON ENERGY PRODUCTION COMPANY L	WPTU 9S-13	9	SW SW	672 FSL 492 FWL	PG
551826	DEVON ENERGY PRODUCTION COMPANY L	WPTU 9S-15	9	SW SE	631 FSL 1926 FEL	PG
551827	DEVON ENERGY PRODUCTION COMPANY L	WPTU 16S-11	16	NE SW	1851 FSL 2127 FWL	PG
551828	DEVON ENERGY PRODUCTION COMPANY L	WPTU 16S-13	16	SW SW	544 FSL 541 FWL	SI
551829	DEVON ENERGY PRODUCTION COMPANY L	WPTU 17S-1	17	NE NE	736 FNL 784 FEL	PG
551830	DEVON ENERGY PRODUCTION COMPANY L	WPTU 17S-7	17	SW NE	2177 FNL 1863 FEL	PG
551831	DEVON ENERGY PRODUCTION COMPANY L	WPTU 17S-9	17	NE SE	2049 FSL 927 FEL	PG
554612	DEVON ENERGY PRODUCTION COMPANY L	WPTU 3S-15	3	SW SE	697 FSL 1913 FEL	PG
554613	DEVON ENERGY PRODUCTION COMPANY L	WPTU 3S-13	3	SW SW	617 FSL 796 FWL	SI
554614	DEVON ENERGY PRODUCTION COMPANY L	WPTU 4S-15	4	SW SE	784 FSL 1964 FEL	PG
556459	DEVON ENERGY PRODUCTION COMPANY L	WPTU 2S-13	2	SW SW	805 FSL 591 FWL	PG
556460	DEVON ENERGY PRODUCTION COMPANY L	WPTU 3S-11	3	NE SW	1880 FSL 2017 FWL	PG
556461	DEVON ENERGY PRODUCTION COMPANY L	WPTU 4S-11	4	NE SW	1653 FSL 1913 FWL	PG
556462	DEVON ENERGY PRODUCTION COMPANY L	WPTU 4S-9	4	NE SE	1748 FSL 767 FEL	SI
556463	DEVON ENERGY PRODUCTION COMPANY L	WPTU 3S-9	3	NE SE	2228 FSL 824 FEL	PG
556949	DEVON ENERGY PRODUCTION COMPANY L	WPTU 8S-9	8	NE SE	1725 FSL 587 FEL	SI
556950	DEVON ENERGY PRODUCTION COMPANY L	WPTU 8S-7	8	SW NE	1833 FNL 2296 FEL	PG
556951	DEVON ENERGY PRODUCTION COMPANY L	WPTU 8S-15	8	SW SE	116 FSL 1880 FEL	PG
556959	DEVON ENERGY PRODUCTION COMPANY L	WPTU 17S-15	17	SW SE	815 FSL 2042 FEL	PG
556960	DEVON ENERGY PRODUCTION COMPANY L	WPTU 8S-1	8	NE NE	752 FNL 1016 FEL	PG
559498	WPX ENERGY ROCKY MOUNTAIN LLC	IBERLIN RANCH 32-5-4276	5	SW NE	2021 FNL 1584 FEL	PG
559597	YATES PETROLEUM CORPORATION	FLETCHER CANYON CS 3	16	SW NW	2226 FNL 988 FWL	EP
559874	DEVON ENERGY PRODUCTION COMPANY L	WPTU 15S-7	15	SW NE	1508 FNL 2115 FEL	EP

*** Wyo. Oil and Gas Conservation Commission
Abbreviations found in Table JD-D6H.1-2

Table JD-D6H.1-1. JANE DOUGH COAL BED METHANE WELLS (3 MILE RADIUS) (CONT.)

API	Company	Well Name	Section	Qtr/Qtr		STATUS
Township 42 North - Range 76 West						
559876	DEVON ENERGY PRODUCTION COMPANY L	WPTU 4S-13	4	SW SW	537 FSL 730 FWL	PG
559877	DEVON ENERGY PRODUCTION COMPANY L	WPTU 11S-13	11	SW SW	767 FSL 511 FWL	EP
559878	DEVON ENERGY PRODUCTION COMPANY L	WPTU 10S-15	10	SW SE	475 FSL 1942 FEL	EP
559879	DEVON ENERGY PRODUCTION COMPANY L	WPTU 10S-13	10	SW SW	860 FSL 600 FWL	PG
559880	DEVON ENERGY PRODUCTION COMPANY L	WPTU 4S-7	4	SW NE	1927 FNL 1899 FEL	PG
559881	DEVON ENERGY PRODUCTION COMPANY L	WPTU 10S-11	10	NE SW	2059 FSL 2264 FWL	PG
559882	DEVON ENERGY PRODUCTION COMPANY L	WPTU 10S-9	10	NE SE	1582 FSL 927 FEL	PA
559883	DEVON ENERGY PRODUCTION COMPANY L	WPTU 4S-5	4	SW NW	2154 FNL 627 FWL	PG
559884	DEVON ENERGY PRODUCTION COMPANY L	WPTU 10S-7	10	SW NE	1811 FNL 1797 FEL	EP
559885	DEVON ENERGY PRODUCTION COMPANY L	WPTU 10S-3	10	NE NW	599 FNL 2266 FWL	PG
559886	DEVON ENERGY PRODUCTION COMPANY L	WPTU 4S-3	4	NE NW	647 FNL 1341 FWL	PG
559887	DEVON ENERGY PRODUCTION COMPANY L	WPTU 10S-1	10	NE NE	1193 FNL 812 FEL	SI
559888	DEVON ENERGY PRODUCTION COMPANY L	WPTU 4S-1	4	NE NE	856 FNL 673 FEL	PG
559889	DEVON ENERGY PRODUCTION COMPANY L	WPTU 3S-5	3	SW NW	1973 FNL 837 FWL	PG
559890	DEVON ENERGY PRODUCTION COMPANY L	I RANCH FED 5S-9	5	NE SE	2355 FSL 693 FEL	SI
559891	DEVON ENERGY PRODUCTION COMPANY L	WPTU 3S-3	3	NE NW	626 FNL 2106 FWL	PG
559892	DEVON ENERGY PRODUCTION COMPANY L	I RANCH FED 5S-1	5	NE NE	487 FNL 488 FEL	PG
559893	DEVON ENERGY PRODUCTION COMPANY L	WPTU 3S-1	3	NE NE	1169 FNL 645 FEL	PG
560313	DEVON ENERGY PRODUCTION COMPANY L	WPTU 11S-9	11	NE SE	2176 FSL 826 FEL	EP
560583	YATES PETROLEUM CORPORATION	FLETCHER CANYON CS 5	16	NE SE	2031 FSL 485 FEL	EP
560715	YATES PETROLEUM CORPORATION	FLETCHER CANYON CS 4	16	NW NE	483 FNL 1598 FEL	EP
561346	YATES PETROLEUM CORPORATION	CHASM CS FEDERAL 7	15	NE NE	591 FNL 744 FEL	EP
1923744	DEVON ENERGY PRODUCTION COMPANY L	WPTU 18S-5	18	SW NW	1856 FNL 822 FWL	PG
1924145	DEVON ENERGY PRODUCTION COMPANY L	WPTU 18S-1	18	NE NE	400 FNL 84 FEL	PG
1924146	DEVON ENERGY PRODUCTION COMPANY L	WPTU 18S-3	18	NE NW	755 FNL 1675 FWL	PG
1924147	DEVON ENERGY PRODUCTION COMPANY L	WPTU 18S-7	18	SW NE	2099 FNL 1492 FEL	SI
1924150	DEVON ENERGY PRODUCTION COMPANY L	WPTU 7S-15	7	SW SE	579 FSL 2031 FEL	PG
1924151	DEVON ENERGY PRODUCTION COMPANY L	WPTU 7S-13	7	SW SW	659 FSL 1289 FWL	PG
1924152	DEVON ENERGY PRODUCTION COMPANY L	WPTU 7S-11	7	NE SW	1895 FSL 2056 FWL	PG
1924153	DEVON ENERGY PRODUCTION COMPANY L	WPTU 7S-9	7	NE SE	1619 FSL 443 FEL	PG
1926849	WOLD OIL PROPERTIES INC	IBERLIN FEDERAL 12-5-4276	5	SW NW	2038 FNL 709 FWL	PG
1926850	WOLD OIL PROPERTIES INC	IBERLIN FEDERAL 14-5-4276	5	SW SW	542 FSL 772 FWL	SI
1926851	WOLD OIL PROPERTIES INC	IBERLIN FEDERAL 21-5-4276	5	NE NW	605 FNL 1600 FWL	SI
1926852	WOLD OIL PROPERTIES INC	IBERLIN FEDERAL 23-5-4276	5	NE SW	2022 FSL 1933 FWL	SI
1926853	WOLD OIL PROPERTIES INC	IBERLIN FEDERAL 12-6-4276	6	SW NW	1920 FNL 645 FWL	PG
1926854	WOLD OIL PROPERTIES INC	IBERLIN FEDERAL 14-6-4276	6	SW SW	659 FSL 651 FWL	PG
1926855	WOLD OIL PROPERTIES INC	IBERLIN FEDERAL 21-6-4276	6	NE NW	494 FNL 2038 FWL	PG
1926856	WOLD OIL PROPERTIES INC	IBERLIN FEDERAL 23-6-4276	6	NE SW	1922 FSL 1958 FWL	PG
1926857	WOLD OIL PROPERTIES INC	IBERLIN FEDERAL 32-6-4276	6	SW NE	1881 FNL 2232 FEL	PG
1926858	WOLD OIL PROPERTIES INC	IBERLIN FEDERAL 34-6-4276	6	SW SE	878 FSL 1886 FEL	SI
1926859	WOLD OIL PROPERTIES INC	IBERLIN FEDERAL 41-6-4276	6	NE NE	657 FNL 717 FEL	PG
1926860	WOLD OIL PROPERTIES INC	IBERLIN FEDERAL 43-6-4276	6	NE SE	2017 FSL 710 FEL	PG

*** Wyo. Oil and Gas Conservation Commission
Abbreviations found in Table JD-D6H.1-2

Table JD-D6H.1-1. JANE DOUGH COAL BED METHANE WELLS (3 MILE RADIUS) (CONT.)

API	Company	Well Name	Section	Qtr/Qtr		STATUS
Township 42 North - Range 76 West						
1926988	DEVON ENERGY PRODUCTION COMPANY L	WPTU 8S-11	8	NE SW	2389 FSL 2242 FWL	PG
1926989	DEVON ENERGY PRODUCTION COMPANY L	WPTU 7S-1	7	NE NE	469 FNL 522 FEL	PG
1926990	DEVON ENERGY PRODUCTION COMPANY L	WPTU 17S-5	17	SW NW	1957 FNL 677 FWL	PG
1926991	DEVON ENERGY PRODUCTION COMPANY L	WPTU 17S-3	17	NE NW	1115 FNL 2264 FWL	PG
1926992	DEVON ENERGY PRODUCTION COMPANY L	WPTU 17S-13	17	SW SW	315 FSL 687 FWL	PG
1926993	DEVON ENERGY PRODUCTION COMPANY L	WPTU 17S-11	17	NE SW	1962 FSL 2069 FWL	PG
1926996	DEVON ENERGY PRODUCTION COMPANY L	WPTU 18S-9	18	NE SE	1760 FSL 202 FEL	PG
1926997	DEVON ENERGY PRODUCTION COMPANY L	WPTU 18S-15	18	SW SE	795 FSL 2082 FEL	PG
1926998	DEVON ENERGY PRODUCTION COMPANY L	WPTU 18S-13	18	SW SW	1196 FSL 727 FWL	PG
1926999	DEVON ENERGY PRODUCTION COMPANY L	WPTU 18S-11	18	NE SW	1994 FSL 1958 FWL	PG
1927000	DEVON ENERGY PRODUCTION COMPANY L	WPTU 8S-13	8	SW SW	366 FSL 888 FWL	PG
1927001	DEVON ENERGY PRODUCTION COMPANY L	WPTU 8S-5	8	SW NW	1402 FNL 959 FWL	PG
1927002	DEVON ENERGY PRODUCTION COMPANY L	WPTU 8S-3	8	NE NW	761 FNL 2113 FWL	PG
1927003	DEVON ENERGY PRODUCTION COMPANY L	WPTU 7S-5	7	SW NW	2116 FNL 582 FWL	PG
1927004	DEVON ENERGY PRODUCTION COMPANY L	WPTU 7S-7	7	SW NE	1723 FNL 1671 FEL	PG
1927005	DEVON ENERGY PRODUCTION COMPANY L	WPTU 7S-3	7	NE NW	638 FNL 1829 FWL	PG
Township 42 North - Range 77 West						
1923361	WPX ENERGY ROCKY MOUNTAIN LLC	MOORE LAND 43-2-4277	2	NE SE	2034 FSL 763 FEL	PG
1923362	WPX ENERGY ROCKY MOUNTAIN LLC	MOORE LAND 23-2-4277	2	NE SW	1959 FSL 1902 FWL	PG
1923363	WPX ENERGY ROCKY MOUNTAIN LLC	MOORE LAND 21-2-4277	2	NE NW	635 FNL 2098 FWL	PG
1923364	WPX ENERGY ROCKY MOUNTAIN LLC	MOORE LAND 12-2-4277	2	SW NW	2116 FNL 808 FWL	PS
1923365	WPX ENERGY ROCKY MOUNTAIN LLC	MOORE LAND 14-2-4277	2	SW SW	783 FSL 476 FWL	PG
1923370	WPX ENERGY ROCKY MOUNTAIN LLC	MOORE LAND FEDERAL 41-14-4277	14	NE NE	602 FNL 732 FEL	PG
1923392	WPX ENERGY ROCKY MOUNTAIN LLC	MOORE LAND FEDERAL 12-11-4277	11	SW NW	2018 FNL 670 FWL	PG
1923393	WPX ENERGY ROCKY MOUNTAIN LLC	MOORE LAND FEDERAL 21-11-4277	11	NE NW	868 FNL 2177 FWL	PG
1923394	WPX ENERGY ROCKY MOUNTAIN LLC	MOORE LAND FEDERAL 23-11-4277	11	NE SW	2007 FSL 2094 FWL	PG
1923396	WPX ENERGY ROCKY MOUNTAIN LLC	MOORE LAND FEDERAL 32-11-4277	11	SW NE	2161 FNL 2169 FEL	PG
1923397	WPX ENERGY ROCKY MOUNTAIN LLC	MOORE LAND FEDERAL 34-11-4277	11	SW SE	785 FSL 1867 FEL	PG
1923398	WPX ENERGY ROCKY MOUNTAIN LLC	MOORE LAND FEDERAL 41-11-4277	11	NE NE	510 FNL 657 FEL	PG
1923400	WPX ENERGY ROCKY MOUNTAIN LLC	MOORE LAND FEDERAL 43-11-4277	11	NE SE	2032 FSL 670 FEL	PG
1923652	WPX ENERGY ROCKY MOUNTAIN LLC	BCU GIBSON 41-10-4277	10	NE NE	818 FNL 670 FEL	PG
1924515	WOLD OIL PROPERTIES INC	MOORE 23-12-4277	12	NE SW	1879 FSL 2112 FWL	PG
1924516	WOLD OIL PROPERTIES INC	MOORE 34-12-4277	12	SW SE	796 FSL 2080 FEL	SI
1924517	WOLD OIL PROPERTIES INC	MOORE 12-13-4277	13	SW NW	2087 FNL 841 FWL	SI
1925086	WPX ENERGY ROCKY MOUNTAIN LLC	BULLWHACKER CREEK UN 32-3-4277	3	SW NE	1877 FNL 2191 FEL	PG
1925094	WPX ENERGY ROCKY MOUNTAIN LLC	BULLWHACKER CREEK UN 43-3-4277	3	NE SE	1938 FSL 496 FEL	PG
1925095	WPX ENERGY ROCKY MOUNTAIN LLC	BULLWHACKER CREEK UN 41-3-4277	3	NE NE	641 FNL 745 FEL	PG
1926469	WPX ENERGY ROCKY MOUNTAIN LLC	MOORELAND FED 32-2-4277	2	SW NE	1941 FNL 1976 FEL	PG
1926470	WPX ENERGY ROCKY MOUNTAIN LLC	MOORE LAND FED 41-2-4277	2	NE NE	489 FNL 678 FEL	PG
1926828	WOLD OIL PROPERTIES INC	MOORE FEDERAL 12-12-4277	12	SW NW	2249 FNL 869 FWL	PG
1926861	WOLD OIL PROPERTIES INC	MOORE FEDERAL 12-1-4277	1	SW NW	2027 FNL 661 FWL	PG
1926862	WOLD OIL PROPERTIES INC	MOORE FEDERAL 14-1-4277	1	SW SW	674 FSL 671 FWL	PG

*** Wyo. Oil and Gas Conservation Commission
Abbreviations found in Table JD-D6H.1-2

Table JD-D6H.1-1. JANE DOUGH COAL BED METHANE WELLS (3 MILE RADIUS) (CONT.)

API	Company	Well Name	Section	Qtr/Qtr		STATUS
Township 42 North - Range 77 West						
1926863	WOLD OIL PROPERTIES INC	MOORE FEDERAL 21-1-4277	1	NE NW	746 FNL 2393 FWL	PG
1926864	WOLD OIL PROPERTIES INC	MOORE FEDERAL 23-1-4277	1	NE SW	1892 FSL 1869 FWL	PG
1926865	WOLD OIL PROPERTIES INC	MOORE FEDERAL 32-1-4277	1	SW NE	2053 FNL 2442 FEL	PG
1926866	WOLD OIL PROPERTIES INC	MOORE FEDERAL 34-1-4277	1	SW SE	606 FSL 2363 FEL	PG
1926867	WOLD OIL PROPERTIES INC	MOORE FEDERAL 41-1-4277	1	NE NE	643 FNL 646 FEL	PG
1926868	WOLD OIL PROPERTIES INC	MOORE FEDERAL 43-1-4277	1	NE SE	1835 FSL 431 FEL	PG
1926869	WOLD OIL PROPERTIES INC	MOORE FEDERAL 14-12-4277	12	SW SW	677 FSL 665 FWL	PG
1926870	WOLD OIL PROPERTIES INC	MOORE FEDERAL 21-12-4277	12	NE NW	673 FNL 1998 FWL	SI
1926871	WOLD OIL PROPERTIES INC	MOORE FEDERAL 32-12-4277	12	SW NE	2013 FNL 2001 FEL	PG
1926872	WOLD OIL PROPERTIES INC	MOORE FEDERAL 41-12-4277	12	NE NE	685 FNL 752 FEL	PG
1926873	WOLD OIL PROPERTIES INC	FEDERAL (MOORE) 43-12-4277	12	NE SE	2148 FSL 598 FEL	PG
1926874	WOLD OIL PROPERTIES INC	MOORE FEDERAL 21-13-4277	13	NE NW	725 FNL 1678 FWL	SI
1926875	WOLD OIL PROPERTIES INC	MOORE FEDERAL 23-13-4277	13	NE SW	2098 FSL 2280FWL	SI
1926876	WOLD OIL PROPERTIES INC	FEDERAL MOORE 32-13-4277	13	SW NE	1933 FNL 1783 FEL	SI
1926878	WOLD OIL PROPERTIES INC	FEDERAL MOORE 41-13-4277	13	NE NE	653 FNL 854 FEL	SI
1926879	WOLD OIL PROPERTIES INC	FEDERAL (MOORE) 43-13-4277	13	NE SE	2010 FSL 663 FEL	SI
1927764	WPX ENERGY ROCKY MOUNTAIN LLC	FEDERAL 34-2-4277	2	SW SE	183 FSL 2539 FEL	PG

*** Wyo. Oil and Gas Conservation Commission
Abbreviations found in Table JD-D6H.1-2

Table JD-D6H.1-2. WYOMING OIL AND GAS COMMISION WELL INFORMATION ABBREVIATIONS

Status Codes for Well Files

PO = Producing Oil Well
PG = Producing Gas Well
DH = Dry Hole
SI = Shut - In
TA = Temporarily Abandoned
PA = Permanently Abandoned
AI = Active Injector
DR = Dormant
NI = Notice of Intent to Abandon
SR = Subsequent Report of Abandonment
EP = Expired Permit
AP = Permit to Drill
SP = Well Spudded
WP = Waiting on Approval
UNK = Unknown
NR = No Report

Classification Codes:

O = Oil Well
G = Gas Well
C = Condensate
I = Injector Well
S = Source Well
AP = Active Permit
D = Disposal
M = Monitor Well
MW = Monitor Well (Not for Form 2 Reporting)
ST = Strat Test

Form 2 Reporting Classification Codes:

G = Gas Well
C = Condensate
I = Injector Well
S = Source Well
D = Disposal
M = Monitor Well

Status Codes for Form 2's:

FL = Flowing
GL = Gas Lift
PR = Pumping Rods
PS = Pumping Submersible
PH = Pumping Hydraulic
PL = Plunger Lift
TA = Temporarily Abandoned
PA = Permanently Abandoned
AI = Active Injector
DR = Dormant
SI = Shut-In

Status Codes for APD Files:

AP = Active Permit
EP = Expired Permit
DP = Drilling or Drilled Permit
NO = Denied or Cancelled
WP = Waiting on Approval

Land Types:

10 = Federal	34 = Fee/State
13 = Federal/Fee	36 = Fee/Tribal
14 = Federal/State	41 = State/Federal
20 = Patented	43 = State/Fee
23 = Fee/Fee	46 = State/Tribal
30 = Fee	60 = Tribal
31 = Fee/Federal	63 = Tribal/State

County Codes:

001 = Albany	025 = Natrona
003 = Big Horn	027 = Niobrara
005 = Campbell	029 = Park
007 = Carbon	031 = Platte
009 = Converse	033 = Sheridan
011 = Crook	035 = Sublette
013 = Fremont	037 = Sweetwater
015 = Goshen	039 = Teton
017 = Hot Springs	041 = Uinta
019 = Johnson	043 = Washakie
021 = Laramie	045 = Weston
023 = Lincoln	

Table JD-D6H.2-1. JANE DOUGH OIL WELLS (3 MILE RADIUS)

API	Company	Well Name	Section	Qtr. / Qtr.	Footage	Depth	Status
Township 43 North, Range 77 West							
1929822	SAMSON RESOURCES COMPANY	RM WASHINGTON FEE	1	SW SW	270 FSL 1118 FWL	9904	PR
1920585	SAMSON RESOURCES COMPANY	HATCH W-52284	12	SW SE	574 FSL 2151 FEL	9999	PR
1920873	SM ENERGY COMPANY	TAYLOR UNIT	36	SW SW	800 FSL 1100 FWL	12350	PR
Township 43 North, Range 76 West							
561558	SAMSON RESOURCES COMPANY	TCR ILLINOIS STATE	16	NE NW	54 FNL 1819 FWL	9910	PR
561745	SAMSON RESOURCES COMPANY	TCR SPRINGFIELD ST	16	NE NW	14 FNL 1823 FWL	9940	PR
1929785	SAMSON RESOURCES COMPANY	DF NEBRASKA FEE	20	SE SW	80 FSL 1994 FWL	10500	PS
561841	SAMSON RESOURCES COMPANY	TCR DES MOINES FED	21	SW SE	395 FSL 2455 FEL	9954	
561840	SAMSON RESOURCES COMPANY	TCR JEFFERSON CITY	21	SW SE	357 FSL 2464 FEL	10021	
561832	SAMSON RESOURCES COMPANY	TCR COLUMBIA FEDERAL	26	NE NW	131 FNL 2335 FWL	9919	
561835	SAMSON RESOURCES COMPANY	TCR RALEIGH FEDERAL	26	NE NW	140 FNL 2352 FWL	9847	
561652	SAMSON RESOURCES COMPANY	TCR NORTH CAROLINA	26	NE NW	121 FNL 2317 FWL	9840	
561646	SAMSON RESOURCES COMPANY	TCR SOUTH CAROLINA	26	NE NW	157 FSL 2382 FWL	9889	
561834	SAMSON RESOURCES COMPANY	TCR TOPEKA FEDERAL	27	SE SE	277 FSL 746 FEL	10089	
561575	SAMSON RESOURCES COMPANY	TCR STATE	36	SW SE	543 FSL 2183 FEL	10056	PR
561231	SAMSON RESOURCES COMPANY	TCR STATE	36	SW SE	574 FSL 2158 FEL	10055	PR
Township 42 North, Range 77 West							
1920823	SM ENERGY COMPANY	TAYLOR UNIT	12	NE SW	1822 FSL 1800 FWL	12460	PR
Township 42 North, Range 76 West							
524796	BLACK HILLS EXPLORATION & PRODUCTION INC	ROLLING PIN W-45729	1	NE NW	860 FNL 1980 FWL	10185	PR
525521	BLACK HILLS EXPLORATION & PRODUCTION INC	ROLLING PIN W-42104A	1	NE SE	1980 FSL 860 FEL	10229	PR
525681	BLACK HILLS EXPLORATION & PRODUCTION INC	ROLLING PIN W-45729	1	SW NE	1924 FNL 1464 FEL	10200	PR
1929955	DEVON ENERGY PRODUCTION COMPANY LP	IBERLIN RANCH FED	7	NE NW	100 FNL 1484 FWL	16766	
1929849	DEVON ENERGY PRODUCTION COMPANY LP	IBERLIN RANCH FED	17	SE SW	180 FSL 1809 FWL	12371	FL

*** Wyo. Oil and Gas Conservation Commission
Abbreviations found in Table JD-D6H.1-2

ADDENDUM JD-D6I:

EXPLORATION DRILL HOLES

April 2014

TABLES

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
U06-35	43	76	20	4837513	418749	560	8/15/2006	2
U06-36	43	76	21	4837377	419031	540	8/4/2006	2
U06-37	43	76	21	4837494	419091	540	8/2/2006	2
U06-38	43	76	21	4837539	419234	560	8/2/2006	2
U06-39	43	76	21	4837098	419126	600	7/28/2006	2
U06-40	43	76	21	4837176	419247	600	7/28/2006	2
U06-41	43	76	21	4837267	419355	580	8/18/2006	2
U06-42	43	76	21	4837356	419501	540	7/31/2006	2
U06-92	43	76	21	4837147	419180	600	7/31/2006	2
U06-93	43	76	21	4837396	419622	540	8/1/2006	2
U06-94	43	76	21	4837208	419202	560	8/1/2006	2
U06-95	43	76	21	4837463	419068	520	8/14/2006	2
U06-96	43	76	21	4837478	419087	520	8/14/2006	2
U06-97	43	76	21	4837410	419065	540	8/15/2006	2
U06-98	43	76	21	4837580	418937	540	8/18/2006	2
U07D-1	43	76	21	4836604	419576	700	7/3/2007	2
U07D-2	43	76	21	4836688	419487	640	7/5/2007	2
U07D-3	43	76	21	4837158	419200	600	7/6/2007	2
U07D-4	43	76	21	4836659	419433	640	7/5/2007	2
U07D-5	43	76	21	4837397	419051	540	7/6/2007	2
U07D-6	43	76	21	4836955	419296	640	7/6/2007	2
U07D-7	43	76	21	4837386	419042	540	7/9/2007	2
U07D-8	43	76	21	4836955	419320	620	7/6/2007	2
U07D-9	43	76	21	4837434	419060	540	7/9/2007	2
U07D-10	43	76	21	4836632	419379	680	7/9/2007	2
U07D-11	43	76	21	4836543	418799	640	7/10/2007	2
U07D-12	43	76	21	4836956	419264	620	7/9/2007	2
U07D-13	43	76	21	4836327	419319	680	7/10/2007	2
U07D-14	43	76	21	4836601	419316	700	7/10/2007	2
U07D-15	43	76	21	4836304	419249	680	7/11/2007	2
U07D-16	43	76	21	4836574	419262	680	7/10/2007	2
U07D-17	43	76	21	4836295	419221	680	7/11/2007	2
U07D-18	43	76	21	4836547	419206	660	7/11/2007	2
U07D-19	43	76	21	4836284	419191	680	7/12/2007	2
U07D-20	43	76	21	4836589	419289	680	7/11/2007	2
U07D-21	43	76	28	4836265	419133	660	7/12/2007	2
U07D-22	43	76	21	4836580	419274	680	7/12/2007	2
U07D-23	43	76	28	4836274	419163	680	7/13/2007	2
U07D-24	43	76	21	4836594	419301	680	7/12/2007	2
U07D-25	43	76	28	4836259	419120	680	7/13/2007	2
U07D-26	43	76	20	4837282	418156	580	7/13/2007	2
U07D-27	43	76	28	4836279	419178	680	7/16/2007	2
U07D-28	43	76	20	4837282	418033	540	7/13/2007	2
U07D-29	43	76	28	4836268	419148	680	7/16/2007	2
U07D-30	43	76	20	4837282	417998	520	7/16/2007	2
U07D-31	43	76	28	4836006	419084	660	7/17/2007	2
U07D-32	43	76	20	4837281	417907	520	7/16/2007	2
U07D-33	43	76	28	4836000	419145	680	7/17/2007	2
U07D-34	43	76	20	4837283	417952	520	7/17/2007	2
U07D-35	43	76	28	4836002	419239	680	7/18/2007	2
U07D-36	43	76	20	4837281	417921	520	7/17/2007	2
U07D-37	43	76	28	4835997	419360	700	7/18/2007	2
U07D-38	43	76	20	4837281	4179377	520	7/18/2007	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
U07D-39	43	76	28	4835996	419489	660	7/19/2007	2
U07D-40	43	76	20	4836992	417977	560	7/18/2007	2
U07D-41	43	76	28	4835997	419421	680	7/19/2007	2
U07D-42	43	76	20	4836991	418039	560	7/19/2007	2
U07D-43	43	76	28	4835997	419376	700	7/20/2007	2
U07D-44	43	76	20	4836993	417990	560	7/19/2007	2
U07D-45	43	76	28	4835997	419404	700	7/20/2007	2
U07D-46	43	76	20	4836994	418051	560	7/20/2007	2
U07D-47	43	76	28	4835996	419454	660	7/23/2007	2
U07D-48	43	76	20	4836994	418070	540	7/20/2007	2
U07D-49	43	76	28	4835996	419436	680	7/24/2007	2
U07D-50	43	76	20	4836993	418023	560	7/23/2007	2
U07D-51	43	76	28	4835996	419501	680	7/24/2007	2
U07D-52	43	76	20	4836992	417965	660	7/23/2007	2
U07D-53	43	76	28	4835996	419470	680	7/25/2007	2
U07D-54	43	76	20	4836994	418088	560	7/24/2007	2
U07D-55	43	76	28	4835997	419390	700	7/25/2007	2
U07D-56	43	76	20	4836995	418003	560	7/24/2007	2
U07D-57	43	76	28	4835996	419346	700	7/30/2007	2
U07D-58	43	76	20	4836994	418105	560	7/30/2007	2
U07D-59	43	76	28	4835758	419682	660	7/31/2007	2
U07D-60	43	76	20	4836988	417946	560	7/30/2007	2
U07D-61	43	76	28	4835678	419569	640	7/31/2007	2
U07D-62	43	76	20	4837555	417934	540	7/31/2007	2
U07D-63	43	76	28	4835740	419657	620	8/1/2007	2
U07D-64	43	76	20	4837550	417879	520	7/31/2007	2
U07D-65	43	76	28	4835704	419609	640	8/2/2007	2
U07D-66	43	76	20	4837529	417807	540	8/1/2007	2
U07D-67	43	76	28	4835695	419595	635	8/2/2007	2
U07D-68	43	76	20	4837541	417851	500	8/1/2007	2
U07D-69	43	76	28	4835715	419621	640	8/3/2007	2
U07D-70	43	76	20	4837507	417803	520	8/2/2007	2
U07D-71	43	76	28	4835685	419583	620	8/3/2007	2
U07D-72	43	76	20	4837534	417830	500	8/2/2007	2
U07D-73	43	76	21	4836317	419291	680	8/6/2007	2
U07D-74	43	76	20	4837545	417865	500	8/3/2007	2
U07D-75	43	76	21	4836612	419352	680	8/6/2007	2
U07D-76	43	76	20	4837534	417841	500	8/8/2007	2
U07D-77	43	76	21	4836320	419303	680	8/7/2007	2
U07D-78	43	76	20	4837279	418124	540	8/8/2007	2
U07D-79	43	76	21	4836311	419276	680	8/7/2007	2
U07D-80	43	76	20	4837280	418140	540	8/9/2007	2
U07D-81	43	76	21	4836614	419364	680	8/8/2007	2
U07D-82	43	76	20	4837279	418097	520	8/9/2007	2
U07D-83	43	76	21	4836603	419339	680	8/8/2007	2
U07D-84	43	76	20	4837279	418111	540	8/10/2007	2
U07D-85	43	76	28	4835997	419368	700	8/9/2007	2
U07D-86	43	76	20	4836765	418043	580	8/10/2007	2
U07D-87	43	76	28	4835731	419645	640	8/10/2007	2
U07D-88	43	76	20	4837279	418104	520	8/13/2007	2
U07D-89	43	76	28	4835573	420028	640	8/10/2007	2
U07D-90	43	76	20	4836764	418131	600	8/13/2007	2
U36-21-091	43N	76W	21	4836737N	419252E	660	9/23/2008	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
U36-21-092	43N	76W	21	4836758N	419369E	660	9/23/2008	2
U36-21-093	43N	76W	21	4836439N	419388E	660	9/24/2008	2
U36-21-094	43N	76W	21	4836436N	419332E	740	9/24/2008	2
U36-21-095	43N	76W	21	4836740N	419342E	680	9/25/2008	2
U36-21-096	43N	76W	21	4836756N	419354E	660	9/26/2008	2
U36-21-097	43N	76W	21	4836432N	419269E	640	9/26/2008	2
U36-21-098	43N	76W	21	4836434N	419298E	640	9/29/2008	2
U36-21-099	43N	76W	21	4836432N	419235E	540	9/29/2008	2
U36-21-100	43N	76W	21	4837041N	419319E	620	9/30/2008	2
U36-21-101	43N	76W	21	4837023N	419267E	600	9/30/2008	2
U36-21-102	43N	76W	21	4836429N	419280E	640	10/1/2008	2
U36-21-103	43N	76W	21	4836433N	419207E	640	10/1/2008	2
U36-21-104	43N	76W	21	4837016N	419250E	580	10/2/2008	2
U36-21-105	43N	76W	21	4836740N	419316E	660	10/2/2008	2
U36-21-106	43N	76W	21	4837006N	419213E	700	10/3/2008	2
U36-21-107	43N	76W	21	4836737N	419282E	660	10/3/2008	2
U36-21-108	43N	76W	21	4836434N	419176E	620	10/6/2008	2
U36-21-109	43N	76W	21	4836733N	419266E	640	10/7/2008	2
U36-21-110	43N	76W	21	4836734N	419235E	640	10/7/2008	2
U36-21-111	43N	76W	21	4836907N	419230E	640	10/8/2008	2
U36-21-112	43N	76W	21	4837280N	419177E	560	10/8/2008	2
U36-21-113	43N	76W	21	4837260N	419138E	560	10/9/2008	2
U36-21-114	43N	76W	21	4837241N	419094E	560	10/9/2008	2
U36-21-115	43N	76W	21	4836436N	419360E	640	10/20/2008	2
U36-21-116	43N	76W	21	4836891N	419205E	640	10/20/2008	2
U36-21-117	43N	76W	21	4837478N	418896E	580	10/27/2008	2
U36-21-118	43N	76W	21	4836897N	419218E	640	10/23/2008	2
U36-21-119	43N	76W	21	4837275N	419158E	580	10/24/2008	2
U36-21-120	43N	76W	21	4837453N	418858E	580	10/27/2008	2
U36-21-121	43N	76W	21	4837583N	418975E	510	10/27/2008	2
U36-21-122	43N	76W	21	4837579N	418920E	480	10/28/2008	2
U36-21-123	43N	76W	21	4837462N	418869E	580	10/29/2008	2
U36-21-124	43N	76W	21	4837261N	419138E	477	10/24/2008	2
U36-21-125	43N	76W	21	4836426N	419282E	607	11/19/2008	2
U36-28-001	43N	76W	28	4836177N	419255E	660	10/21/2008	2
U36-28-002	43N	76W	28	4836208N	419358E	680	10/22/2008	2
U36-28-003	43N	76W	28	4836192N	419317E	680	10/22/2008	2
U36-28-004	43N	76W	28	4836196N	419333E	680	10/28/2008	2
U36-28-005	43N	76W	28	4836203N	419345E	680	10/29/2008	2
U36-28-006	43N	76W	28	4836190N	419301E	680	10/29/2008	2
U36-21-126	43N	76W	21	4837530N	419216E	560	5/5/2009	2
U36-21-127	43N	76W	21	4837384N	419218E	560	5/5/2009	2
U36-21-128	43N	76W	21	4837382N	419175E	560	5/6/2009	2
U36-21-129	43N	76W	21	4837543N	419056E	520	5/6/2009	2
U36-21-130	43N	76W	21	4837381N	419201E	560	5/7/2009	2
U36-21-131	43N	76W	21	4837534N	419224E	560	5/7/2009	2
U36-21-132	43N	76W	21	4837382N	419189E	560	5/8/2009	2
U36-21-133	43N	76W	21	4837302N	419205E	560	5/8/2009	2
A25-07-001	42N	75W	7	4831122N	425297E	640	3/28/2008	2
A25-07-008	42N	75W	7	4830050N	425459E	740	4/3/2008	2
A25-07-002	42N	75W	7	4831071N	425248E	640	3/31/2008	2
A26-01-028	42N	76W	1	4831603N	425158E	660	3/27/2008	2
A25-07-010	42N	75W	7	4829946N	425224E	680	4/3/2008	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A26-01-023	42N	76W	1	4831737N	425089E	620	3/27/2008	2
A26-01-026	42N	76W	1	4831094N	424955E	620	3/28/2008	2
A26-01-029	42N	76W	1	4831565N	425102E	640	3/31/2008	2
A26-01-030	42N	76W	1	4832026N	424487E	620	3/28/2008	2
A26-01-031	42N	76W	1	4831542N	425051E	600	3/28/2008	2
A26-01-033	42N	76W	1	4831999N	424242E	560	3/28/2008	2
A26-12-001	42N	76W	12	4831052N	425092E	640	3/28/2008	2
A26-01-027	42N	76W	1	4831639N	424604E	600	3/20/2008	2
A26-01-020	42N	76W	1	4831999N	424260E	540	3/20/2008	2
A26-01-025	42N	76W	1	4832024N	424473E	600	3/20/2008	2
A26-01-021	42N	76W	1	4831586N	424427E	560	3/19/2008	2
A26-01-024	42N	76W	1	4831598N	424457E	560	3/20/2008	2
A26-01-017	42N	76W	1	4831949N	424528E	600	3/20/2008	2
A26-01-022	42N	76W	1	4832316N	424384E	560	3/20/2008	2
A25-07-003	42N	75W	7	4830675N	425241E	620	4/3/2007	2
A25-07-004	42N	75W	7	4830460N	425402E	660	4/2/2008	2
A25-07-005	42N	75W	7	4830688N	425301E	640	4/3/2008	2
A25-07-006	42N	75W	7	4830431N	425374E	640	4/2/2008	2
A25-07-007	42N	75W	7	4831097N	425272E	640	4/3/2008	2
A25-07-009	42N	75W	7	4830681N	425273E	640	4/3/2008	2
A25-18-001	42N	75W	18	4829136N	425793E	640	4/7/2008	2
A25-07-011	42N	75W	7	4829980N	425344E	700	4/4/2008	2
A25-07-012	42N	75W	7	4829966N	425282E	680	4/4/2008	2
A25-07-013	42N	75W	7	4829974N	425316E	680	4/7/2008	2
A25-07-014	42N	75W	7	4829978N	425332E	680	4/7/2008	2
A25-07-015	42N	75W	7	4829965N	425300E	680	4/8/2008	2
A25-18-002	42N	75W	18	4829158N	426183E	640	4/7/2008	2
A25-18-003	42N	75W	18	4829238N	425906E	640	4/7/2008	2
A25-18-004	42N	75W	18	4829247N	426312E	640	4/7/2008	2
A25-18-005	42N	75W	18	4829354N	426007E	680	4/8/2008	2
A25-18-006	42N	75W	18	4829314N	426482E	680	4/8/2008	2
A25-18-007	42N	75W	18	4829292N	425956E	680	4/8/2008	2
A25-18-008	42N	75W	18	4829201N	426246E	680	4/8/2008	2
A26-12-003	42N	76W	12	4831004N	425143E	640	4/2/2008	2
A26-12-004	42N	76W	12	4831044N	425208E	640	4/2/2008	2
A26-12-005	42N	76W	12	4831022N	425182E	640	4/3/2008	2
A26-12-006	42N	76W	12	4830679N	425180E	600	4/4/2008	2
A26-12-007	42N	76W	12	4831037N	425194E	640	4/4/2008	2
A25-18-009	42N	75W	18	4829271N	425936E	680	4/14/2008	2
A25-17-001	42N	75W	17	4828711N	426894E	760	4/15/2008	2
A25-17-002	42N	75W	17	4828711N	426894E	760	4/15/2008	2
A25-18-010	42N	75W	18	4829188N	426221E	680	4/14/2008	2
A25-18-011	42N	75W	18	4828707N	426708E	760	4/14/2008	2
A25-18-012	42N	75W	18	4828300N	426843E	740	4/14/2008	2
A25-06-001	42N	75W	6	4832298N	425975E	610	4/14/2008	2
A25-06-002	42N	75W	6	4832173N	425851E	640	4/14/2008	2
A25-06-003	42N	75W	6	4832235N	425912E	640	4/15/2008	2
A25-06-004	42N	75W	6	4832073N	425699E	660	4/15/2008	2
A26-01-001	42N	76W	1	4832205N	424204E	600	3/12/2008	2
A26-01-002	42N	76W	1	4831840N	424375E	600	3/12/2008	2
A26-01-003	42N	76W	1	4831736N	424831E	620	3/12/2008	2
A26-01-004	42N	76W	1	4832187N	424143E	560	3/12/2008	2
A26-01-005	42N	76W	1	4831843N	424390E	600	3/13/2008	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A26-01-006	42N	76W	1	4831843N	424390E	620	3/13/2008	2
A26-01-007	42N	76W	1	4832196N	424175E	560	3/13/2008	2
A26-01-008	42N	76W	1	4831847N	424405E	600	3/13/2008	2
A26-01-009	42N	76W	1	4831682N	424722E	640	3/13/2008	2
A26-01-010	42N	76W	1	4832191N	424158E	560	3/13/2008	2
A26-01-011	42N	76W	1	4831856N	424419E	600	3/18/2008	2
A26-01-012	42N	76W	1	4831666N	424665E	620	3/18/2008	2
A26-01-013	42N	76W	1	4832173N	424084E	560	3/18/2008	2
A26-01-014	42N	76W	1	4831858N	424434E	600	3/18/2008	2
A26-01-015	42N	76W	1	4831608N	424485E	600	3/18/2008	2
A26-01-016	42N	76W	1	4832239N	424290E	600	3/18/2008	2
A26-01-018	42N	76W	1	4831623N	424545E	580	3/19/2008	2
A26-01-019	42N	76W	1	4832262N	424331E	580	3/19/2008	2
A26-12-002	42N	76W	12	4831012N	425171E	640	3/31/2008	2
A25-03-005	42N	75W	3	4832961N	431093E	790	4/23/2008	2
A25-03-004	42N	75W	3	4832728N	430857E	860	4/22/2008	2
A25-03-003	42N	75W	3	4832967N	430856E	795	4/22/2008	2
A25-03-002	42N	75W	3	4832730N	430615E	970	4/21/2008	2
A25-03-001	42N	75W	3	4832973N	430620E	735	4/21/2008	2
A45-28-003	44N	75W	28	4846031N	428938E	820	4/22/2008	2
A45-28-004	44N	75W	28	4845756N	428912E	1000	4/22/2008	2
A45-28-005	44N	75W	28	4846010N	428883E	840	4/23/2008	2
A45-28-006	44N	75W	28	4845801N	429023E	880	4/22/2008	2
A45-28-007	44N	75W	28	4845999N	428853E	840	4/24/2008	2
A45-28-008	44N	75W	28	4845794N	428996E	880	4/23/2008	2
A45-28-009	44N	75W	28	4846004N	428869E	800	4/28/2008	2
A45-28-010	44N	75W	28	4845797N	429009E	880	4/24/2008	2
A45-28-011	44N	75W	28	4845992N	428823E	780	4/29/2008	2
A45-28-012	44N	75W	28	4845787N	428982E	840	4/25/2008	2
A45-28-013	44N	75W	28	4846017N	428897E	820	4/30/2008	2
A45-28-014	44N	75W	28	4845770N	428938E	780	4/28/2008	2
A45-28-015	44N	75W	28	4845611N	429124E	820	4/30/2008	2
A45-28-016	44N	75W	28	4845809N	429038E	760	4/28/2008	2
A45-28-018	44N	75W	28	4845778N	428954E	760	4/29/2008	2
A45-28-020	44N	75W	28	4845797N	429017E	760	4/29/2008	2
A25-03-006	42N	75W	3	4832731N	431096E	835	4/28/2008	2
A25-03-007	42N	75W	3	4832961N	431334E	800	4/28/2008	2
A25-03-008	42N	75W	3	4832730N	431575E	760	4/29/2008	2
A25-03-009	42N	75W	3	4832956N	431752E	740	4/29/2008	2
A25-03-010	42N	75W	3	4832731N	430735E	760	4/29/2008	2
A25-03-011	42N	75W	3	4832957N	431213E	740	4/30/2008	2
A25-03-012	42N	75W	3	4832728N	430974E	780	4/30/2008	2
A25-21-001	42N	75W	21	4827571N	429428E	900	5/15/2008	2
A25-21-002	42N	75W	21	4827580N	429455E	830	5/16/2008	2
A25-21-003	42N	75W	21	4827810N	429446E	900	5/16/2008	2
A25-21-004	42N	75W	21	4827606N	429310E	940	5/19/2008	2
A25-21-005	42N	75W	21	4827841N	429336E	900	5/16/2008	2
A25-21-006	42N	75W	21	4827663N	429201E	800	5/19/2008	2
A25-21-007	42N	75W	21	4827971N	428920E	840	5/20/2008	2
A25-21-008	42N	75W	21	4827813N	429052E	840	5/21/2008	2
A25-10-001	42N	75W	10	4830486N	430456E	760	5/15/2008	2
A25-10-002	42N	75W	10	4830370N	430497E	760	5/16/2008	2
A25-10-003	42N	75W	10	4830221N	430609E	760	5/19/2008	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A25-10-004	42N	75W	10	4830595N	430406E	720	5/20/2008	2
A25-10-005	42N	75W	10	4830712N	430369E	720	5/20/2008	2
A45-28-017	44N	75W	28	4845572N	429072E	740	5/6/2008	2
A45-28-019	44N	75W	28	4845455N	429290E	800	5/7/2008	2
A45-28-021	44N	75W	28	4845423N	429237E	760	5/14/2008	2
A45-28-022	44N	75W	28	4845978N	428792E	720	5/6/2008	2
A45-28-023	44N	75W	28	4845437N	429263E	760	5/14/2008	2
A45-28-024	44N	75W	28	4845967N	428760E	760	5/7/2008	2
A45-28-025	44N	75W	28	4845428N	429251E	760	5/15/2008	2
A25-15-001	42N	75W	15	4828218N	430098E	800	5/19/2008	2
A25-15-002	42N	75W	15	4828405N	430110E	760	5/20/2008	2
A25-15-003	42N	75W	15	4828311N	430092E	740	5/20/2008	2
A25-15-004	42N	75W	15	4828340N	430096E	740	5/21/2008	2
A25-15-005	42N	75W	15	4828355N	430100E	740	5/21/2008	2
A25-03-013	42N	75W	3	4832958N	431278E	740	5/6/2008	2
A25-03-014	42N	75W	3	4832730N	431220E	180	5/6/2008	2
A25-03-015	42N	75W	3	4832961N	431307E	740	5/7/2008	2
A25-03-016	42N	75W	3	4832731N	431036E	800	5/6/2008	2
A25-03-017	42N	75W	3	4832963N	431365E	660	5/14/2008	2
A25-03-018	42N	75W	3	4832730N	430916E	740	5/7/2008	2
A25-03-019	42N	75W	3	4832962N	431398E	660	5/15/2008	2
A25-03-020	42N	75W	3	4832736N	430942E	740	5/12/2008	2
A25-03-021	42N	75W	3	4831700N	431100E	660	5/16/2008	2
A25-03-022	42N	75W	3	4832729N	430959E	680	5/14/2008	2
A25-03-023	42N	75W	3	4831774N	431213E	640	5/16/2008	2
A25-03-024	42N	75W	3	4831913N	430812E	650	5/14/2008	2
A25-03-025	42N	75W	3	4831848N	431321E	635	5/19/2008	2
A25-03-026	42N	75W	3	4831965N	430920E	570	5/15/2008	2
A25-03-027	42N	75W	3	4831740N	431157E	580	5/19/2008	2
A25-03-028	42N	75W	3	4832023N	431025E	660	5/16/2008	2
A25-03-029	42N	75W	3	4831465N	431335E	580	5/20/2008	2
A25-03-030	42N	75W	3	4831989N	430974E	660	5/16/2008	2
A25-03-034	42N	75W	3	4832011N	431015E	580	5/19/2008	2
A25-03-031	42N	75W	3	4831455N	431211E	600	5/20/2008	2
A25-03-032	42N	75W	3	4832005N	431002E	640	5/19/2008	2
A25-03-033	42N	75W	3	4831456N	431138E	600	5/21/2008	2
A25-03-035	42N	75W	3	4831696N	431089E	540	5/21/2008	2
A25-03-036	42N	75W	3	4832028N	431046E	580	5/20/2008	2
A25-03-037	42N	75W	3	4831665N	431048E	640	5/21/2008	2
A25-03-038	42N	75W	3	4831679N	431089E	640	5/20/2008	2
A25-03-039	42N	75W	3	4831679N	431066E	600	5/21/2008	2
A25-15-008	42N	75W	15	4828207N	430280E	740	6/3/2008	2
A25-15-009	42N	75W	15	4828523N	431103E	700	6/17/2008	2
A25-15-010	42N	75W	15	4828685N	431006E	700	6/18/2008	2
A25-15-011	42N	75W	15	4828602N	431649E	700	6/18/2008	2
A25-15-012	42N	75W	15	4828583N	430924E	700	6/23/2008	2
A25-15-013	42N	75W	15	4828589N	431651E	700	6/24/2008	2
A25-15-014	42N	75W	15	4828614N	431650E	700	6/24/2008	2
A25-15-015	42N	75W	15	4828648N	431650E	700	6/25/2008	2
A25-15-016	42N	75W	15	4828636N	430965E	680	6/25/2008	2
A25-15-017	42N	75W	15	4828630N	431650E	700	6/26/2008	2
A25-15-018	42N	75W	15	4828576N	431009E	680	6/26/2008	2
A25-15-019	42N	75W	15	4828662N	431652E	700	6/26/2008	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A25-22-001	42N	75W	22	4827946N	430625E	800	6/3/2008	2
A25-22-003	42N	75W	22	4828000N	430616E	740	6/4/2008	2
A25-22-004	42N	75W	22	4827737N	430406E	760	6/4/2008	2
A25-22-006	42N	75W	22	4827726N	430726E	760	6/9/2008	2
A25-22-007	42N	75W	22	4827907N	430635E	740	6/9/2008	2
A25-22-008	42N	75W	22	4828010N	430227E	720	6/10/2008	2
A25-22-009	42N	75W	22	4828121N	430593E	740	6/10/2008	2
A25-22-010	42N	75W	22	4828060N	430606E	720	6/12/2008	2
A25-22-011	42N	75W	22	4827731N	430537E	760	6/10/2008	2
A25-22-012	42N	75W	22	4827726N	430610E	745	6/13/2008	2
A25-22-013	42N	75W	22	4827997N	430254E	720	6/12/2008	2
A25-22-014	42N	75W	22	4828034N	430617E	720	6/13/2008	2
A25-22-015	42N	75W	22	4827718N	430268E	740	6/13/2008	2
A25-22-016	42N	75W	22	4827966N	431174E	740	6/16/2008	2
A25-22-017	42N	75W	22	4828003N	430241E	720	6/13/2008	2
A25-22-018	42N	75W	22	4828011N	430613E	720	6/16/2008	2
A25-22-019	42N	75W	22	4827726N	430573E	760	6/16/2008	2
A25-22-020	42N	75W	22	4827725N	430595E	740	6/17/2008	2
A25-22-021	42N	75W	22	4827816N	430622E	760	6/17/2008	2
A25-22-022	42N	75W	22	4828012N	430215E	720	6/18/2008	2
A25-22-023	42N	75W	22	4827770N	430617E	760	6/18/2008	2
A25-22-024	42N	75W	22	4827716N	430233E	720	6/18/2008	2
A25-22-026	42N	75W	22	4827716N	430251E	720	6/23/2008	2
A25-22-027	42N	75W	22	4827883N	430632E	720	6/24/2008	2
A25-22-028	42N	75W	22	4827838N	430626E	720	6/24/2008	2
A25-15-006	42N	75W	15	4828373N	430103E	745	6/2/2008	2
A25-15-007	42N	75W	15	4828296N	430087E	740	6/2/2008	2
A25-21-012	42N	75W	21	4828104N	429986E	760	6/3/2008	2
A25-21-014	42N	75W	21	4828080N	430044E	760	6/3/2008	2
A25-21-016	42N	75W	21	4828129N	429925E	760	6/4/2008	2
A25-22-002	42N	75W	22	4828053N	430109E	730	6/4/2008	2
A25-21-018	42N	75W	21	4828114N	429957E	760	6/9/2008	2
A25-21-020	42N	75W	21	4828110N	429972E	760	6/10/2008	2
A25-21-022	42N	75W	21	4827896N	429889E	760	6/10/2008	2
A25-21-024	42N	75W	21	4827875N	429947E	760	6/12/2008	2
A25-21-026	42N	75W	21	4827883N	429927E	760	6/12/2008	2
A25-21-028	42N	75W	21	4827885N	429912E	760	6/13/2008	2
A25-21-030	42N	75W	21	4827890N	429900E	760	6/13/2008	2
A25-21-032	42N	75W	21	4827663N	429829E	780	6/16/2008	2
A25-21-034	42N	75W	21	4827688N	429773E	800	6/17/2008	2
A25-21-036	42N	75W	21	4827671N	429801E	780	6/18/2008	2
A25-21-038	42N	75W	21	4827692N	429758E	800	6/19/2008	2
A25-21-040	42N	75W	21	4827680N	429786E	785	6/19/2008	2
A25-21-042	42N	75W	21	4827701N	429746E	800	6/20/2008	2
A25-21-044	42N	75W	21	4827495N	429647E	820	6/23/2008	2
A25-21-050	42N	75W	21	4828131N	429912E	760	6/24/2008	2
A25-21-009	42N	75W	21	4827825N	429392E	820	6/2/2008	2
A25-21-010	42N	75W	21	4827719N	429135E	760	6/2/2008	2
A25-21-011	42N	75W	21	4827719N	429167E	820	6/3/2008	2
A25-21-013	42N	75W	21	4827672N	429191E	820	6/4/2008	2
A25-21-015	42N	75W	21	4827681N	429177E	820	6/4/2008	2
A25-21-017	42N	75W	21	4827573N	429442E	820	6/9/2008	2
A25-21-019	42N	75W	21	4827572N	429391E	840	6/10/2008	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A25-21-021	42N	75W	21	4827860N	429269E	840	6/10/2008	2
A25-21-023	42N	75W	21	4827719N	429340E	840	6/12/2008	2
A25-21-025	42N	75W	21	4827671N	429303E	840	6/12/2008	2
A25-21-027	42N	75W	21	4827636N	429273E	820	6/13/2008	2
A25-21-029	42N	75W	21	4827590N	429234E	800	6/13/2008	2
A25-21-031	42N	75W	21	4827924N	428959E	420	6/16/2008	2
A25-21-033	42N	75W	21	4827893N	428961E	400	6/16/2008	2
A25-21-035	42N	75W	21	4827908N	428961E	440	6/17/2008	2
A25-21-037	42N	75W	21	4827945N	428939E	420	6/17/2008	2
A25-21-039	42N	75W	21	4827960N	428931E	420	6/17/2008	2
A25-21-041	42N	75W	21	4827986N	428919E	420	6/18/2008	2
A25-21-043	42N	75W	21	4827833N	429365E	460	6/18/2008	2
A25-21-045	42N	75W	21	4827868N	429238E	460	6/19/2008	2
A25-21-046	42N	75W	21	4827383N	429404E	870	7/1/2008	2
A25-21-047	42N	75W	21	4827371N	429433E	820	6/20/2008	2
A25-21-048	42N	75W	21	4827358N	429477E	800	6/23/2008	2
A25-21-049	42N	75W	21	4827739N	429643E	800	6/23/2008	2
A25-21-051	42N	75W	21	4827544N	429536E	800	6/24/2008	2
A25-21-052	42N	75W	21	4827540N	428881E	795	6/24/2008	2
A25-21-053	42N	75W	21	4827651N	429227E	800	6/25/2008	2
A25-21-054	42N	75W	21	4827698N	429205E	760	6/25/2008	2
A25-21-055	42N	75W	21	4827515N	428996E	800	6/25/2008	2
A25-21-056	42N	75W	21	4827509N	429009E	800	7/1/2008	2
A25-21-057	42N	75W	21	4827559N	429513E	820	6/26/2008	2
A25-21-058	42N	75W	21	4827476N	429166E	800	6/26/2008	2
A25-21-059	42N	75W	21	4827644N	429244E	760	6/27/2008	2
A25-21-060	42N	75W	21	4827362N	429463E	800	6/27/2008	2
A25-21-061	42N	75W	21	4827711N	429207E	800	6/27/2008	2
A25-21-062	42N	75W	21	4827505N	429024E	820	6/27/2008	2
A25-21-063	42N	75W	21	4827722N	429219E	855	6/30/2008	2
A25-21-064	42N	75W	21	4827519N	428965E	790	6/27/2008	2
A25-15-021	42N	75W	15	4828771N	431413E	680	7/1/2008	2
A25-15-022	42N	75W	15	4828650N	431412E	660	7/2/2008	2
A25-15-023	42N	75W	15	4828722N	430880E	680	7/7/2008	2
A25-15-024	42N	75W	15	4828710N	431414E	680	7/8/2008	2
A25-15-025	42N	75W	15	4828658N	430988E	680	7/7/2008	2
A25-15-026	42N	75W	15	4828680N	431411E	680	7/8/2008	2
A25-15-027	42N	75W	15	4828649N	430977E	680	7/8/2008	2
A25-15-028	42N	75W	15	4828762N	431462E	680	7/9/2008	2
A25-15-029	42N	75W	15	4828405N	430969E	680	7/8/2008	2
A25-15-030	42N	75W	15	4828724N	431652E	680	7/10/2008	2
A25-15-031	42N	75W	15	4828410N	431030E	680	7/9/2008	2
A25-15-032	42N	75W	15	4828822N	431465E	680	7/11/2008	2
A25-15-033	42N	75W	15	4828408N	431001E	680	7/9/2008	2
A25-15-034	42N	75W	15	4828403N	431218E	680	7/10/2008	2
A25-15-035	42N	75W	15	4828407N	430988E	680	7/10/2008	2
A25-15-036	42N	75W	15	4828404N	431157E	680	7/11/2008	2
A25-15-037	42N	75W	15	4828886N	431462E	680	7/11/2008	2
A25-15-038	42N	75W	15	4828409N	431099E	680	7/11/2008	2
A25-15-039	42N	75W	15	4828677N	431652E	720	7/14/2008	2
A25-15-040	42N	75W	15	4828410N	431068E	680	7/14/2008	2
A25-15-041	42N	75W	15	4828856N	431465E	680	7/15/2008	2
A25-15-042	42N	75W	15	4828411N	431083E	680	7/14/2008	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A25-15-043	42N	75W	15	4828741N	431655E	720	7/15/2008	2
A25-15-044	42N	75W	15	4828411N	431050E	680	7/15/2008	2
A25-15-045	42N	75W	15	4828708N	431654E	720	7/16/2008	2
A25-15-046	42N	75W	15	4828838N	431465E	680	7/17/2008	2
A25-15-047	42N	75W	15	4828767N	431659E	695	7/16/2008	2
A25-15-048	42N	75W	15	4828785N	431657E	695	7/17/2008	2
A25-22-029	42N	75W	22	4828135N	430869E	720	7/15/2008	2
A25-22-030	42N	75W	22	4828098N	430938E	720	7/16/2008	2
A25-10-006	42N	75W	10	4830296N	430552E	650	6/10/2008	2
A25-10-007	42N	75W	10	4830251N	430570E	680	6/12/2008	2
A25-10-008	42N	75W	10	4830240N	430583E	680	6/12/2008	2
A25-10-009	42N	75W	10	4830234N	430598E	680	6/13/2008	2
A25-10-010	42N	75W	10	4830732N	431145E	540	6/11/2008	2
A25-10-011	42N	75W	10	4830831N	431078E	560	6/16/2008	2
A25-10-012	42N	75W	10	4830708N	431165E	560	6/17/2008	2
A25-10-013	42N	75W	10	4830784N	431118E	520	6/17/2008	2
A25-10-014	42N	75W	10	4830760N	431134E	560	6/18/2008	2
A25-10-015	42N	75W	10	4830719N	431153E	540	6/18/2008	2
A25-10-016	42N	75W	10	4830030N	430143E	680	6/19/2008	2
A25-10-017	42N	75W	10	4829918N	430201E	620	6/19/2008	2
A25-05-001	42N	75W	5	4831779N	428049E	760	7/7/2008	2
A25-05-002	42N	75W	5	4831646N	428230E	740	7/8/2008	2
A25-05-003	42N	75W	5	4831516N	428439E	760	7/8/2008	2
A25-04-001	42N	75W	4	4831436N	428668E	740	7/9/2008	2
A25-04-002	42N	75W	4	4831434N	428879E	720	7/10/2008	2
A25-09-001	42N	75W	9	4831007N	429057E	700	7/10/2008	2
A25-09-002	42N	75W	9	4830719N	429479E	740	7/11/2008	2
A25-22-031	42N	75W	22	4828112N	430909E	700	7/16/2008	2
A25-22-032	42N	75W	22	4828123N	430883E	720	7/17/2008	2
A25-09-003	42N	75W	9	4830864N	429270E	620	7/14/2008	2
A25-09-004	42N	75W	9	4830936N	429162E	620	7/14/2008	2
A25-09-005	42N	75W	9	4830973N	429112E	600	7/15/2008	2
A25-09-006	42N	75W	9	4830989N	429083E	580	7/15/2008	2
A25-09-007	42N	75W	9	4830982N	429096E	600	7/16/2008	2
A25-05-004	42N	75W	5	4831805N	426945E	760	7/17/2008	2
A25-08-001	42N	75W	8	4831318N	426937E	660	7/17/2008	2
A25-05-005	42N	75W	5	4831547N	426944E	660	7/18/2008	2
A25-08-002	42N	75W	8	4831443N	426942E	640	7/18/2008	2
A25-08-003	42N	75W	8	4831377N	426941E	660	7/21/2008	2
A25-08-004	42N	75W	8	4831409N	426942E	620	7/21/2008	2
A25-15-049	42N	75W	15	4828800N	431564E	690	7/18/2008	2
A25-15-050	42N	75W	15	4828775N	431544E	680	7/21/2008	2
A25-22-033	42N	75W	22	4828138N	430856E	720	7/22/2008	2
A25-22-034	42N	75W	22	4828037N	431041E	720	7/22/2008	2
A25-22-035	42N	75W	22	4827862N	430615E	760	7/23/2008	2
A25-08-005	42N	75W	8	4831392N	426939E	620	7/22/2008	2
A25-21-065	42N	75W	21	4827256N	428703E	760	7/23/2008	2
A25-15-051	42N	75W	15	4828753N	431526E	680	7/22/2008	2
A25-15-052	42N	75W	15	4828750N	431479E	680	7/23/2008	2
A25-05-006	42N	75W	5	4831503N	427909E	760	7/25/2008	2
A25-08-007	42N	75W	8	4831335N	426938E	620	7/25/2008	2
A25-08-006	42N	75W	8	4831348N	426939E	760	7/24/2008	2
A25-15-055	42N	75W	15	4828601N	431634E	690	7/30/2008	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A25-15-058	42N	75W	15	4828568N	431305E	660	7/31/2008	2
A25-15-061	42N	75W	15	4828605N	431259E	660	8/1/2008	2
A25-21-069	42N	75W	21	4827785N	429840E	760	8/1/2008	2
A25-21-068	42N	75W	21	4827375N	429419E	800	7/31/2008	2
A25-15-060	42N	75W	15	4828676N	431442E	700	7/30/2008	2
A25-15-059	42N	75W	15	4829168N	431473E	700	7/29/2008	2
A25-22-038	42N	75W	22	4828062N	431000E	720	7/29/2008	2
A25-21-066	42N	75W	21	4827290N	428652E	760	7/29/2008	2
A25-21-067	42N	75W	21	4827323N	428601E	760	7/29/2008	2
A25-05-008	42N	75W	5	4831547N	427096E	620	7/30/2008	2
A25-05-009	42N	75W	5	4831489N	427144E	620	7/31/2008	2
A25-05-010	42N	75W	5	4831573N	427078E	620	7/31/2008	2
A25-05-011	42N	75W	5	4831573N	427086E	620	8/1/2008	2
A25-21-070	42N	75W	21	4827337N	429557E	820	8/4/2008	2
A25-21-071	42N	75W	21	4827307N	428625E	780	8/7/2008	2
A25-21-072	42N	75W	21	4827768N	429865E	740	8/7/2008	2
A25-15-068	42N	75W	15	4828811N	431509E	700	8/8/2008	2
A25-15-066	42N	75W	15	4828718N	431286E	660	8/7/2008	2
A25-08-008	42N	75W	8	4831399N	427225E	640	8/5/2008	2
A25-08-009	42N	75W	8	4831145N	427187E	620	8/5/2008	2
A25-08-010	42N	75W	8	4831421N	427206E	620	8/6/2008	2
A25-08-011	42N	75W	8	4831411N	427216E	620	8/6/2008	2
A25-15-062	42N	75W	15	4828721N	431227E	660	8/4/2008	2
A25-15-063	42N	75W	15	4828842N	431212E	660	8/4/2008	2
A25-15-064	42N	75W	15	4829023N	431216E	660	8/6/2008	2
A25-15-065	42N	75W	15	4829145N	431219E	660	8/7/2008	2
A25-15-067	42N	75W	15	4829084N	431217E	660	8/8/2008	2
A25-15-069	42N	75W	15	4829162N	431221E	660	8/11/2008	2
A25-15-071	42N	75W	15	4829114N	431217E	660	8/12/2008	2
A25-15-073	42N	75W	15	4829130N	431217E	660	8/12/2008	2
A25-15-075	42N	75W	15	4829114N	431280E	660	8/13/2008	2
A25-15-077	42N	75W	15	4828931N	431273E	660	8/13/2008	2
A25-15-079	42N	75W	15	4829105N	431249E	660	8/14/2008	2
A25-15-070	42N	75W	15	4824718N	431316E	680	8/11/2008	2
A25-15-072	42N	75W	15	4828719N	431257E	660	8/11/2008	2
A25-15-074	42N	75W	15	4828718N	431301E	660	8/12/2008	2
A25-15-076	42N	75W	15	4828718N	431272E	660	8/13/2008	2
A25-15-080	42N	75W	15	4829117N	431033E	680	8/24/2008	2
A25-15-082	42N	75W	15	4828939N	431052E	660	8/18/2008	2
A25-15-084	42N	75W	15	4829107N	431065E	660	8/18/2008	2
A25-15-086	42N	75W	15	4829117N	431017E	660	8/19/2008	2
A25-21-081	42N	75W	21	4827411N	429328E	800	8/18/2008	2
A25-21-082	42N	75W	21	4827626N	429619E	800	8/17/2008	2
A25-21-083	42N	75W	21	4827016N	429085E	900	8/19/2008	2
A25-21-084	42N	75W	21	4827027N	428769E	900	8/20/2008	2
A25-21-085	42N	75W	21	4827023N	428475E	800	8/21/2008	2
A25-21-086	42N	75W	21	4826710N	428501E	840	8/21/2008	2
A25-21-073	42N	75W	21	4827274N	428676E	760	8/8/2008	2
A25-21-074	42N	75W	21	4827777N	429854E	760	8/11/2008	2
A25-21-075	42N	75W	21	4827611N	429695E	760	8/11/2008	2
A25-21-076	42N	75W	21	4827426N	429277E	990	8/12/2008	2
A25-21-077	42N	75W	21	4827632N	429659E	760	8/13/2008	2
A25-21-079	42N	75W	21	4827403N	429342E	780	8/14/2008	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A25-21-080	42N	75W	21	4827415N	429309E	800	8/15/2008	2
A25-14-015	42N	75W	14	4829638N	432334E	680	9/9/2008	2
A25-14-016	42N	75W	14	4829106N	432574E	675	9/10/2008	2
A25-15-098	42N	75W	15	4829153N	431059E	660	8/25/2008	2
A25-15-099	42N	75W	15	4828941N	431021E	660	8/25/2008	2
A25-15-100	42N	75W	15	4828772N	431659E	720	8/28/2008	2
A25-15-101	42N	75W	15	4828943N	431008E	660	8/27/2008	2
A25-15-102	42N	75W	15	4828928N	431239E	660	8/28/2008	2
A25-15-103	42N	75W	15	4828535N	431342E	660	8/29/2008	2
A25-15-104	42N	75W	15	4828523N	431349E	660	9/2/2008	2
A25-15-105	42N	75W	15	4828616N	431447E	660	9/3/2008	2
A25-15-106	42N	75W	15	4828424N	431421E	660	9/3/2008	2
A25-15-107	42N	75W	15	4828616N	431355E	660	9/4/2008	2
A25-15-108	42N	75W	15	4828616N	431537E	660	9/5/2008	2
A25-15-109	42N	75W	15	4828411N	431430E	660	9/5/2008	2
A25-15-110	42N	75W	15	4828736N	431567E	680	9/5/2008	2
A25-15-111	42N	75W	15	4828437N	431419E	660	9/5/2008	2
A25-15-112	42N	75W	15	4828535N	431339E	620	9/10/2008	2
A25-15-113	42N	75W	15	4828613N	431492E	660	9/9/2008	2
A25-15-114	42N	75W	15	4828614N	431582E	660	9/10/2008	2
A25-15-115	42N	75W	15	4828571N	431396E	660	9/10/2008	2
A25-23-001	42N	75W	23	4828117N	431699E	760	8/29/2008	2
A25-23-002	42N	75W	23	4828053N	432457E	760	9/2/2008	2
A25-23-003	42N	75W	23	4828070N	432058E	760	9/3/2008	2
A25-23-004	42N	75W	23	4828064N	432256E	760	9/4/2008	2
A25-21-087	42N	75W	21	4826735N	428777E	800	8/22/2008	2
A25-21-088	42N	75W	21	4826709N	429083E	900	8/25/2008	2
A25-21-089	42N	75W	21	4826727N	429383E	820	8/26/2008	2
A25-21-090	42N	75W	21	4826704N	429694E	900	8/26/2008	2
A25-21-091	42N	75W	21	4826701N	430001E	900	8/27/2008	2
A25-15-081	42N	75W	15	4829107N	431235E	660	8/15/2008	2
A25-15-083	42N	75W	15	4828933N	431301E	640	8/18/2008	2
A25-15-085	42N	75W	15	4828931N	431188E	660	8/19/2008	2
A25-15-087	42N	75W	15	4828939N	430990E	660	8/19/2008	2
A25-15-088	42N	75W	15	4829168N	431060E	660	8/18/2008	2
A25-15-089	42N	75W	15	4828937N	430932E	640	8/20/2008	2
A25-15-090	42N	75W	15	4829115N	430985E	660	8/19/2008	2
A25-15-091	42N	75W	15	4828939N	430962E	660	8/21/2008	2
A25-15-092	42N	75W	15	4829117N	431000E	660	8/20/2008	2
A25-15-093	42N	75W	15	4828940N	430944E	640	8/21/2008	2
A25-15-094	42N	75W	15	4829141N	431057E	660	8/21/2008	2
A25-15-095	42N	75W	15	4828932N	431256E	660	8/22/2008	2
A25-15-096	42N	75W	15	4829115N	430971E	660	8/22/2008	2
A25-15-097	42N	75W	15	4828546N	431329E	660	8/25/2008	2
A25-14-001	42N	75W	14	4829640N	431994E	740	8/26/2008	2
A25-14-002	42N	75W	14	4829635N	432182E	740	8/27/2008	2
A25-14-003	42N	75W	14	4829667N	433386E	840	8/28/2008	2
A25-14-004	42N	75W	14	4829629N	432310E	700	8/28/2008	2
A25-14-005	42N	75W	14	4829671N	433233E	725	8/29/2008	2
A25-14-006	42N	75W	14	4829651N	432497E	700	8/29/2008	2
A25-14-007	42N	75W	14	4829670N	433296E	725	9/2/2008	2
A25-14-008	42N	75W	14	4828967N	432549E	700	9/2/2008	2
A25-14-009	42N	75W	14	4829668N	433265E	760	9/3/2008	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A25-14-010	42N	75W	14	4829653N	432426E	660	9/3/2008	2
A25-14-011	42N	75W	14	4829670N	433279E	760	9/4/2008	2
A25-14-012	42N	75W	14	4829648N	432366E	680	9/3/2008	2
A25-14-013	42N	75W	14	4828971N	432307E	660	9/5/2008	2
A25-14-014	42N	75W	14	4829075N	432561E	670	9/4/2008	2
A25-12-001	42N	75W	12	4830107N	433455E	660	9/5/2008	2
A25-15-116	42N	75W	15	4828615N	431515E	660	9/12/2008	2
A25-15-117	42N	75W	15	4828380N	430674E	705	9/15/2008	2
A25-15-118	42N	75W	15	4828493N	431406E	660	9/16/2008	2
A36-29-001	43N	76W	29	4835125N	418396E	720	9/12/2008	2
A36-29-002	43N	76W	29	4835086N	418441E	740	9/15/2008	2
A36-29-003	43N	76W	29	4835165N	418591E	720	9/16/2008	2
A36-29-004	43N	78W	29	4835065N	418463E	700	9/16/2008	2
A36-29-007	43N	76W	29	4834912N	417288E	630	9/18/2008	2
A36-29-008	43N	76W	29	4835687N	417970E	700	9/18/2008	2
A36-29-009	43N	76W	29	4835172N	418487E	700	9/18/2008	2
A36-29-010	43N	76W	29	4834919N	417256E	640	9/19/2008	2
A36-29-011	43N	76W	29	4835678N	417941E	680	9/19/2008	2
A36-29-012	43N	76W	29	4835055N	418471E	680	9/19/2008	2
A36-29-013	43N	76W	29	4834970N	417437E	635	9/19/2008	2
A36-29-014	43N	76W	29	4835710N	418033E	700	9/19/2008	2
A36-29-015	43N	76W	29	4835171N	418543E	720	9/19/2008	2
A36-29-016	43N	76W	29	4834778N	417312E	700	9/22/2008	2
A36-29-017	43N	76W	29	4835355N	418383E	700	9/22/2008	2
A36-29-018	43N	76W	29	4835172N	418467E	680	9/22/2008	2
A36-29-019	43N	76W	29	4834921N	417163E	600	9/23/2008	2
A36-29-020	43N	76W	29	4835733N	418098E	700	9/23/2008	2
A36-29-021	43N	76W	29	4834785N	417251E	600	9/23/2008	2
A36-29-022	43N	76W	29	4835172N	418505E	680	9/23/2008	2
A36-29-023	46N	76W	29	4834919N	417145E	600	9/24/2008	2
A36-29-024	43N	76W	29	4835397N	418427E	700	9/24/2008	2
A25-14-022	42N	75W	14	4828967N	432602E	680	9/19/2008	2
A25-14-023	42N	75W	14	4828933N	432655E	680	9/23/2008	2
A25-14-024	42N	75W	14	4828968N	432575E	690	9/24/2008	2
A25-14-025	42N	75W	14	4828966N	432630E	680	9/25/2008	2
A25-14-026	42N	75W	14	4828968N	432562E	680	9/29/2008	2
A25-14-027	42N	75W	14	4828968N	432460E	680	9/30/2008	2
A25-14-017	42N	75W	14	4828965N	432792E	680	9/15/2008	2
A25-14-018	42N	75W	14	4828969N	432430E	680	9/15/2008	2
A25-14-019	42N	75W	14	4829088N	432565E	670	9/16/2008	2
A25-14-020	42N	75W	14	4828962N	432655E	680	9/17/2008	2
A25-14-021	42N	75W	14	4828967N	432488E	680	9/18/2008	2
A25-12-002	42N	75W	12	4830509N	433432E	755	9/9/2008	2
A25-13-001	42N	75W	13	4828094N	433402E	740	9/10/2008	2
A25-24-001	42N	76W	24	4827298N	433429E	800	9/12/2008	2
A25-24-002	42N	76W	24	4826485N	433384E	800	9/15/2008	2
A25-26-001	42N	75W	26	4826469N	432536E	825	9/16/2008	2
A25-26-002	42N	75W	26	4826477N	431762E	900	9/17/2008	2
A25-27-001	42N	75W	27	4826513N	430947E	860	9/18/2008	2
A25-27-002	42N	75W	27	4825709N	430968E	820	9/18/2008	2
A25-27-003	42N	75W	27	4825703N	431687E	860	9/19/2008	2
A25-26-003	42N	75W	26	4826474N	432132E	840	9/22/2008	2
A25-26-004	42N	75W	26	4826455N	432352E	840	9/23/2008	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A25-26-005	42N	75W	26	4826462N	432260E	860	9/24/2008	2
A25-26-006	42N	75W	26	4826466N	432197E	870	9/25/2008	2
A25-26-007	42N	75W	26	4826471N	432167E	860	9/25/2008	2
A25-26-008	42N	75W	26	4826472N	432149E	860	9/26/2008	2
A25-26-009	42N	75W	26	4826146N	431741E	830	9/29/2008	2
A25-26-010	42N	75W	26	4825909N	431755E	860	9/30/2008	2
A25-26-011	42N	75W	26	4825809N	431760E	780	10/1/2008	2
A25-26-012	42N	75W	26	4825868N	431756E	860	10/2/2008	2
A25-23-005	42N	75W	23	4827571N	432086E	800	10/3/2008	2
A25-23-006	42N	75W	23	4827247N	432469E	870	10/6/2008	2
A25-14-028	42N	75W	14	4828947N	432605E	680	10/1/2008	2
A25-14-029	42N	75W	14	4828889N	433372E	735	10/2/2008	2
A36-30-001	43N	76W	30	4834921N	417099E	620	9/25/2008	2
A36-30-002	43N	76W	30	4834917N	417037E	660	9/29/2008	2
A36-30-003	43N	76W	30	4834967N	416976E	620	9/30/2008	2
A36-30-004	43N	76W	30	4834948N	416858E	620	10/2/2008	2
A36-30-005	46N	73W	30	4834939N	416915E	620	10/6/2008	2
A36-30-006	43N	76W	30	4834934N	416946E	620	10/8/2008	2
A36-30-007	43N	76W	30	4834932N	416961E	620	10/8/2008	2
A36-29-005	43N	76W	29	4835047N	418501E	660	9/17/2008	1
A36-29-006	43N	76W	29	4835080N	418449E	680	9/17/2008	2
A36-29-025	43N	76W	29	4835014N	418023E	700	9/25/2008	2
A36-29-026	43N	76W	29	4835172N	418438E	700	9/25/2008	2
A36-29-027	43N	76W	29	4835075N	418042E	660	9/26/2008	2
A36-29-028	43N	76W	29	4835378N	418405E	680	9/26/2008	2
A36-29-029	43N	76W	26	4835387N	418416E	680	9/26/2008	2
A36-29-030	43N	76W	29	4835409N	418439E	660	9/28/2008	2
A36-29-031	43N	76W	29	4835133N	418023E	660	9/30/2008	2
A36-29-032	43N	76W	26	4835736N	418414E	680	9/30/2008	2
A36-29-033	43N	76W	29	4835162N	418097E	760	10/2/2008	2
A36-29-034	43N	76W	26	4835349N	417739E	680	9/30/2008	2
A36-29-035	43N	76W	29	4835418N	418450E	660	10/1/2008	2
A36-29-036	43N	76W	29	4835676N	417875E	680	10/1/2008	2
A36-29-037	43N	76W	29	4835735N	418190E	660	10/2/2008	2
A36-29-038	43N	76W	29	4835537N	417443E	660	10/3/2008	2
A36-29-039	43N	76W	29	4835683N	417823E	680	10/3/2008	2
A36-29-040	43N	76W	29	4835214N	417111E	620	10/3/2008	2
A36-29-041	43N	76W	29	4835422N	417583E	660	10/6/2008	2
A36-29-042	43N	76W	29	4835304N	417282E	660	10/7/2008	2
A36-29-043	43N	76W	29	4835174N	418140E	620	10/7/2008	2
A36-29-044	43N	76W	29	4835390N	417661E	660	10/8/2008	2
A36-29-045	43N	76W	29	4835393N	417216E	640	10/8/2008	2
A36-29-046	43N	76W	29	4835407N	417621E	660	10/9/2008	2
A36-29-047	43N	76W	29	4835525N	418206E	640	10/9/2008	2
A36-29-048	43N	76W	29	4835384N	417675E	660	10/9/2008	2
A25-14-030	42N	75W	14	4828912N	433081E	740	10/7/2008	2
A25-14-031	42N	75W	14	4828899N	433233E	740	10/7/2008	2
A25-23-007	42N	75W	23	4827246N	432454E	880	10/8/2008	2
A25-14-032	42N	75W	14	4828895N	433293E	640	10/9/2008	2
A25-14-033	42N	75W	14	4828898N	433264E	640	10/9/2008	2
A25-14-034	42N	75W	14	4828974N	432001E	700	10/20/2008	2
A26-03-003	42N	76W	03	4833112N	421268E	860	10/21/2008	2
A26-03-001	42N	76W	03	4832527N	421108E	860	10/9/2008	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A26-03-002	42N	76W	03	4832325N	421539E	800	10/20/2008	2
A26-10-001	42N	76W	10	4831470N	421521E	860	10/6/2008	2
A26-10-002	42N	76W	10	4831471N	420432E	820	10/8/2008	2
A26-02-001	42N	76W	02	4832316N	422365E	745	10/21/2008	2
A26-03-004	42N	76W	03	4833115N	421025E	840	10/22/2008	2
A26-03-005	42N	76W	03	4832321N	421845E	820	10/22/2008	2
A26-03-006	42N	76W	03	4833136N	421145E	840	10/23/2008	2
A26-03-007	42N	76W	03	4832323N	421661E	800	10/23/2008	2
A26-03-008	42N	76W	03	4833134N	421767E	780	10/24/2008	2
A26-03-009	42N	76W	03	4832326N	421600E	770	10/25/2008	2
A26-03-010	42N	76W	03	4833144N	421200E	820	10/23/2008	2
A26-03-011	42N	76W	03	4832478N	421380E	820	10/28/2008	2
A26-03-012	42N	76W	03	4833126N	421646E	760	10/27/2008	2
A26-03-013	42N	76W	03	4832323N	421715E	765	10/30/2008	2
A26-03-014	42N	76W	03	4833120N	421089E	840	10/28/2008	2
A26-03-015	42N	76W	03	4833120N	421072E	820	10/29/2008	2
A26-03-016	42N	76W	03	4833120N	421530E	760	10/29/2008	2
A26-03-017	42N	76W	03	4833123N	421591E	780	10/30/2008	2
A26-03-018	42N	76W	03	4833118N	421056E	840	10/31/2008	2
A26-03-019	42N	76W	03	4833121N	421103E	840	10/31/2008	2
A26-03-020	42N	76W	03	4832527N	421267E	820	10/31/2008	2
A26-03-022	42N	76W	03	4832377N	421735E	740	11/3/2008	2
A26-03-024	42N	76W	03	4832530N	421193E	835	11/4/2008	2
A26-03-026	42N	76W	03	4832384N	421702E	740	11/5/2008	2
A26-03-028	42N	76W	03	4832533N	421144E	840	11/6/2008	2
A26-03-030	42N	76W	03	4832391N	421672E	760	11/7/2008	2
A26-03-032	42N	76W	03	4832533N	421176E	840	11/10/2008	2
A26-03-021	42N	76W	03	4833123N	421575E	770	11/3/2008	2
A26-03-023	42N	76W	03	4833115N	421041E	830	11/4/2008	2
A36-29-049	43N	76W	29	4835952N	418016E	640	10/20/2008	2
A36-29-050	43N	76W	29	4835400N	417652E	660	10/20/2008	2
A36-29-051	43N	76W	29	4835348N	417250E	640	10/21/2008	2
A36-29-052	43N	76W	29	4835569N	418249E	640	10/21/2008	2
A36-29-053	43N	76W	29	4835421N	417677E	660	10/23/2008	2
A36-29-054	43N	76W	29	4835907N	418060E	640	10/21/2008	2
A36-29-055	43N	76W	29	4835361N	417239E	640	10/24/2008	2
A36-29-056	43N	76W	29	4835597N	418290E	640	10/22/2008	2
A36-29-057	43N	76W	29	4835930N	418038E	640	10/23/2008	2
A36-29-058	43N	76W	29	4835176N	418622E	680	10/23/2008	2
A36-29-059	43N	76W	29	4835653N	417745E	680	10/24/2008	2
A36-29-060	43N	76W	29	4834796N	418025E	620	10/24/2008	2
A36-29-061	43N	76W	29	4835891N	418019E	640	10/27/2008	2
A36-29-062	43N	76W	29	4835831N	418214E	650	10/27/2008	2
A36-29-063	43N	76W	29	4835373N	417235E	600	10/28/2008	2
A36-29-064	43N	76W	29	4834872N	418080E	620	10/28/2008	2
A36-29-065	43N	76W	29	4835410N	417669E	660	10/28/2008	2
A36-29-066	43N	76W	29	4835642N	417685E	700	10/28/2008	2
A36-29-067	43N	76W	29	4835852N	418139E	640	10/29/2008	2
A36-29-068	43N	76W	29	4835676N	418263E	640	10/29/2008	2
A36-29-069	43N	76W	29	4835635N	417626E	680	10/29/2008	2
A36-29-070	43N	76W	29	4834844N	418058E	620	10/29/2008	2
A36-29-071	43N	76W	29	4835375N	417656E	660	10/30/2008	2
A36-29-072	43N	76W	29	4835702N	418246E	640	10/30/2008	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A36-29-073	43N	76W	29	4835635N	417656E	680	10/31/2008	2
A36-29-074	43N	76W	29	4834817N	418043E	620	10/31/2008	2
A36-29-075	43N	76W	29	4835935N	417675E	640	10/31/2008	2
A36-29-076	43N	76W	29	4835960N	418211E	640	10/31/2008	2
A36-29-077	43N	76W	29	4835632N	417644E	680	11/3/2008	2
A36-29-078	43N	76W	29	4835829N	417918E	640	11/3/2008	2
A36-29-079	43N	76W	29	4835930N	417799E	620	11/3/2008	2
A36-29-080	43N	76W	29	4834806N	418034E	640	11/4/2008	2
A36-29-081	43N	76W	29	4835782N	417668E	660	11/4/2008	2
A36-29-082	43N	76W	29	4835615N	417872E	680	11/4/2008	2
A36-29-083	43N	76W	29	4835634N	417634E	680	11/4/2008	2
A36-29-084	43N	76W	29	4835883N	418094E	640	11/5/2008	2
A36-29-085	43N	76W	29	4835992N	418158E	680	11/5/2008	2
A36-29-086	43N	76W	29	4836233N	418178E	640	11/5/2008	2
A36-29-087	43N	76W	29	4835693N	418030E	680	11/5/2008	2
A36-29-088	43N	76W	29	4835976N	418184E	660	11/6/2008	2
A36-29-089	43N	76W	29	4835798N	417781E	700	11/11/2008	2
A36-29-090	43N	76W	29	4835868N	417789E	660	11/6/2008	2
A36-29-091	43N	76W	29	4836232N	418130E	620	11/6/2008	2
A36-29-092	43N	76W	29	4835967N	418199E	660	11/11/2008	2
A36-29-093	43N	76W	29	4836224N	418062E	600	11/6/2008	2
A36-29-094	43N	76W	29	4835959N	418175E	660	11/7/2008	2
A36-29-095	43N	76W	29	4834991N	418258E	660	11/7/2008	2
A36-29-096	43N	76W	29	4835416N	417990E	640	11/7/2008	2
A36-29-097	43N	76W	29	4835436N	418050E	680	11/10/2008	2
A36-29-098	43N	76W	29	4835420N	418026E	660	11/11/2008	2
A36-29-099	43N	76W	29	4835105N	418257E	660	11/10/2008	2
A36-29-100	43N	76W	29	4834966N	418254E	660	11/11/2008	2
A36-29-101	43N	76W	29	4834999N	418255E	660	11/10/2008	2
A36-29-102	43N	76W	29	4836229N	418098E	600	11/10/2008	2
A36-29-103	43N	76W	29	4836224N	418081E	600	11/11/2008	2
A36-29-104	43N	76W	29	4836230N	417114E	600	11/11/2008	2
A36-29-105	43N	76W	29	4836246N	418275E	600	11/12/2008	2
A36-29-106	43N	76W	29	4835445N	418062E	640	11/12/2008	2
A36-29-107	43N	76W	29	4834747N	418540E	660	11/12/2008	2
A36-29-108	43N	76W	29	4835429N	418035E	640	11/12/2008	2
A36-29-109	43N	76W	29	4835399N	417420E	640	11/12/2008	2
A36-29-110	43N	76W	29	4836240N	418227E	620	11/18/2008	2
A36-29-111	43N	76W	29	4836240N	418204E	620	11/19/2008	2
A36-29-112	43N	76W	29	4836243N	418251E	600	11/21/2008	2
A36-29-113	43N	76W	29	4835781N	417776E	700	11/17/2008	2
A36-29-114	43N	76W	29	4835388N	417419E	620	11/18/2008	2
A36-29-115	43N	76W	29	4835417N	418014E	640	11/18/2008	2
A36-29-116	43N	76W	29	4835426N	417412E	620	11/18/2008	2
A36-29-117	43N	76W	29	4835818N	418294E	660	11/18/2008	2
A36-29-118	43N	76W	29	4835759N	417753E	700	11/20/2008	2
A36-29-119	43N	76W	29	4835830N	418178E	665	11/19/2008	2
A36-29-120	43N	76W	29	4835412N	417418E	640	11/20/2008	2
A36-29-121	43N	76W	29	4835439N	417405E	620	11/21/2008	2
A36-29-122	43N	76W	29	4835822N	418259E	640	11/24/2008	2
A36-29-123	43N	76W	29	4835779N	417714E	680	11/24/2008	2
A36-29-124	43N	76W	29	4835710N	417748E	680	11/25/2008	2
A36-29-125	43N	76W	29	4836225N	418114E	547	11/26/2008	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A36-29-126	43N	76W	29	4836244N	418242E	600	11/24/2008	2
A36-29-127	43N	76W	29	4835503N	417564E	660	11/26/2008	2
A36-29-128	43N	76W	29	4835518N	418476E	640	11/26/2008	2
A36-29-129	43N	76W	29	4835511N	418362E	620	11/26/2008	2
A36-29-130	43N	76W	29	4835723N	417745E	680	12/1/2008	2
A36-29-131	43N	76W	29	4835697N	417755E	680	12/1/2008	2
A36-29-132	43N	76W	29	4834979N	418257E	618	12/1/2008	2
A36-29-133	43N	76W	29	4835514N	418423E	635	12/1/2008	2
A36-29-134	43N	76W	29	4835490N	418443E	640	12/4/2008	2
A36-29-135	43N	76W	29	4835735N	418118E	640	12/5/2008	2
A36-29-136	43N	76W	29	4835469N	417398E	620	12/2/2008	2
A36-29-137	43N	76W	29	4835738N	417866E	680	12/2/2008	2
A36-29-138	43N	76W	29	4835503N	417649E	700	12/3/2008	2
A36-29-139	43N	76W	29	4835777N	417849E	660	12/4/2008	2
A36-29-140	43N	76W	29	4835654N	417906E	680	12/4/2008	2
A36-29-141	43N	76W	29	4835899N	418075E	640	12/5/2008	2
A36-29-142	43N	76W	29	4835507N	417679E	700	12/5/2008	2
A36-29-143	43N	76W	29	4835495N	417386E	620	12/5/2008	2
A36-29-144	43N	76W	29	4834945N	418059E	640	12/9/2008	2
A36-29-145	43N	76W	29	4835739N	418157E	660	12/9/2008	2
A36-29-146	43N	76W	29	4835707N	417870E	680	12/8/2008	2
A36-29-147	43N	76W	29	4835524N	417378E	620	12/9/2008	2
A36-29-148	43N	76W	29	4835580N	418266E	640	12/10/2008	2
A36-29-149	43N	76W	29	4836010N	418295E	660	12/10/2008	2
A36-29-150	43N	76W	29	4835567N	417366E	640	12/10/2008	2
A36-29-151	43N	76W	29	4835043N	418028E	660	12/11/2008	2
A36-29-152	43N	76W	29	4835539N	417374E	640	12/11/2008	2
A36-29-153	43N	76W	29	4835105N	418227E	640	12/11/2008	2
A36-29-154	43N	76W	29	4835209N	417194E	200	12/12/2008	2
A36-29-155	43N	76W	29	4835506N	417667E	700	12/12/2008	2
A36-29-156	43N	76W	29	4835731N	418175E	660	12/11/2008	2
A36-29-157	43N	76W	29	4835687N	417870E	660	12/12/2008	2
A36-31-001	43N	76W	31	4834696N	416938E	620	12/2/2008	2
A36-31-002	43N	76W	31	4834694N	417134E	560	12/3/2008	2
A36-31-003	43N	76W	31	4834706N	417035E	600	12/4/2008	2
A36-31-004	43N	76W	31	4834689N	417088E	560	12/4/2008	2
A36-31-005	43N	76W	31	4834697N	417060E	540	12/5/2008	2
A36-31-006	43N	76W	31	4834451N	417126E	560	12/8/2008	2
A36-31-007	43N	76W	31	4834685N	417046E	520	12/9/2008	2
A36-31-008	43N	76W	31	4834451N	417004E	565	12/10/2008	2
A36-31-009	43N	76W	31	4833997N	416480E	700	12/10/2008	2
A36-31-010	43N	76W	31	4834330N	417122E	540	12/11/2008	2
A36-31-011	43N	76W	31	4834001N	416512E	590	12/12/2008	2
A36-32-001	43N	76W	32	4833519N	417638E	500	12/3/2008	2
A36-32-002	43N	76W	32	4833519N	417875E	500	12/4/2008	2
A36-32-003	43N	76W	32	4833519N	417605E	500	12/5/2008	2
A36-32-004	43N	76W	32	4833183N	417798E	500	12/8/2008	2
A36-32-005	43N	76W	32	4833513N	417573E	500	12/10/2008	2
A36-32-006	43N	76W	32	4833211N	417885E	460	12/11/2008	2
A36-32-007	43N	76W	32	4833197N	417842E	460	12/11/2008	2
A36-32-008	43N	76W	32	4833191N	417827E	460	12/12/2008	2
A36-30-008	43N	76W	30	4835188N	417118E	200	10/31/2008	2
A36-30-009	43N	76W	30	4835205N	417128E	610	11/17/2008	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A36-30-010	43N	76W	30	4835205N	417085E	620	12/10/2008	2
A26-03-025	42N	76W	03	4833120N	421561E	795	11/4/2008	2
A26-03-027	42N	76W	03	4832781N	421105E	840	11/5/2008	2
A26-03-029	42N	76W	03	4832823N	421220E	820	11/6/2008	2
A26-03-031	42N	76W	03	4832767N	421060E	820	11/7/2008	2
A26-03-033	42N	76W	03	4833105N	421224E	820	11/10/2008	2
A26-03-034	42N	76W	03	4832325N	421638E	760	11/11/2008	2
A26-03-035	42N	76W	03	4832778N	421089E	820	11/11/2008	2
A26-03-036	42N	76W	03	4832533N	421160E	840	11/11/2008	2
A26-03-037	42N	76W	03	4833129N	421248E	840	11/12/2008	2
A26-03-038	42N	76W	03	4832321N	421761E	760	11/17/2008	2
A26-03-039	42N	76W	03	4832878N	421577E	760	11/12/2008	2
A26-03-040	42N	76W	03	4832325N	421619E	780	11/17/2008	2
A26-03-041	42N	76W	03	4832783N	421121E	820	11/17/2008	2
A26-03-042	42N	76W	03	4832633N	421609E	755	11/18/2008	2
A26-03-043	42N	76W	03	4832877N	421637E	760	11/18/2008	2
A26-03-044	42N	76W	03	4832879N	421607E	760	11/19/2008	2
A26-03-045	42N	76W	03	4833092N	421592E	760	11/18/2008	2
A26-03-046	42N	76W	03	4832632N	421577E	760	11/19/2008	2
A26-03-047	42N	76W	03	4832321N	421739E	760	11/20/2008	2
A26-03-048	42N	76W	03	4832630N	421546E	775	11/21/2008	2
A26-03-049	42N	76W	03	4832859N	421426E	800	11/21/2008	2
A26-03-050	42N	76W	03	4832869N	421501E	780	11/22/2008	2
A26-03-051	42N	76W	03	4832323N	421727E	780	11/24/2008	2
A26-03-052	42N	76W	03	4832878N	421624E	760	11/25/2008	2
A26-03-053	42N	76W	03	4832637N	421593E	760	11/25/2008	2
A26-03-054	42N	76W	03	4832874N	421531E	760	11/25/2008	2
A26-03-055	42N	76W	03	4832326N	421700E	780	11/26/2008	2
A26-03-056	42N	76W	03	4832874N	421550E	740	11/26/2008	2
A26-03-057	42N	76W	03	4832326N	421475E	800	11/26/2008	2
A26-03-058	42N	76W	03	4832874N	421518E	780	12/1/2008	2
A26-03-059	42N	76W	03	4832328N	421414E	800	12/1/2008	2
A36-20-001	43N	76W	20	4836764N	418091E	580	10/31/2008	2
A36-20-002	43N	76W	20	4836975N	418011E	560	11/3/2008	2
A36-20-003	43N	76W	20	4836977N	418081E	540	11/3/2008	2
A36-20-004	43N	76W	20	4836762N	418102E	580	11/4/2008	2
A36-20-005	43N	76W	20	4836763N	418073E	580	11/4/2008	2
A36-20-006	43N	76W	20	4836764N	418058E	580	11/5/2008	2
A36-20-007	43N	76W	20	4836532N	418082E	600	11/12/2008	2
A36-20-008	43N	76W	20	4836553N	418125E	600	11/17/2008	2
A36-20-009	43N	76W	20	4836587N	418158E	580	11/18/2008	2
A36-20-010	43N	76W	20	4836542N	418097E	600	11/19/2008	2
A36-20-011	43N	76W	20	4836548N	418111E	580	11/20/2008	2
A36-20-012	43N	76W	20	4836595N	418179E	560	11/24/2008	2
A36-20-013	43N	76W	20	4836588N	418170E	540	11/25/2008	2
A36-20-014	43N	76W	20	4836602N	418188E	560	11/25/2008	2
A36-20-015	43N	76W	20	4836347N	418113E	580	12/1/2008	2
A36-20-016	43N	76W	20	4836335N	418096E	580	12/2/2008	2
A36-20-017	43N	76W	20	4836343N	418127E	600	12/2/2008	2
A36-29-158	43N	76W	29	4834856N	418313E	680	4/21/2009	2
A36-29-159	43N	76W	29	4834856N	418313E	680	4/21/2009	2
A36-29-160	43N	76W	29	4834856N	418313E	680	4/21/2009	2
A36-29-161	43N	76W	29	4834972N	417557E	680	4/21/2009	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A36-29-162	43N	76W	29	4834806N	418421E	650	4/21/2009	2
A36-29-163	43N	76W	29	4835004N	417966E	660	4/22/2009	2
A36-29-164	43N	76W	29	4835514N	418397E	620	4/23/2009	2
A36-29-165	43N	73W	29	4834970N	417572E	600	4/22/2009	2
A36-29-166	43N	76W	29	4834938N	418273E	660	4/23/2009	2
A36-29-167	43N	76W	29	4834970N	417540E	600	4/22/2009	2
A36-29-168	43N	76W	29	4835513N	418379E	620	4/24/2009	2
A36-29-169	43N	73W	29	4835009N	417995E	640	4/24/2009	2
A36-29-171	43N	76W	29	4834728N	417552E	600	4/24/2009	2
A36-29-173	43N	76W	29	4835004N	417983E	640	4/28/2009	2
A36-29-175	43N	76W	29	4834780N	417281E	620	4/28/2009	2
A36-29-177	43N	76W	29	4835543N	417942E	660	4/29/2009	2
A36-29-179	43N	73W	29	4835204N	417223E	600	4/29/2009	2
A36-29-181	43N	73W	28	4835533N	417912E	660	4/30/2009	2
A36-29-182	43N	73W	29	4835518N	417868E	660	5/1/2009	2
A36-29-183	43N	76W	2	4835565N	417958E	660	4/30/2009	2
A36-29-170	43N	76W	29	4835499N	418434E	620	5/18/2009	2
A36-29-172	43N	76W	29	4835184N	417962E	615	4/29/2009	2
A36-29-174	43N	76W	29	4835403N	417639E	680	4/29/2009	2
A36-29-176	43N	76W	29	4835251N	418070E	620	4/29/2009	2
A36-29-178	43N	76W	29	4835181N	417926E	620	4/30/2009	2
A36-29-180	43N	76W	29	4835072N	418261E	640	4/30/2009	2
A36-29-186	43N	73W	29	4834915N	417536E	620	5/5/2009	2
A36-29-188	43N	76W	29	4835184N	417944E	620	5/5/2009	2
A36-29-184	43N	76W	29	4835269N	418097E	620	5/1/2009	2
A36-29-190	43N	76W	29	4834973N	417738E	600	5/5/2009	2
A36-29-192	43N	73W	29	4834969N	417663E	620	5/6/2009	2
A36-29-194	43N	76W	29	4834874N	417540E	620	5/7/2009	2
A36-29-196	43N	76W	29	4834976N	417723E	600	5/7/2009	2
A36-29-185	43N	76W	29	4835104N	418199E	640	5/4/2009	2
A36-29-187	43N	76W	29	4835260N	418083E	610	5/4/2009	2
A36-29-189	43N	76W	29	4835196N	417176E	105	5/5/2009	2
A36-29-191	43N	76W	29	4835104N	418168E	640	5/5/2009	2
A36-29-193	43N	76W	29	4834831N	417542E	600	5/6/2009	2
A36-29-195	43N	76W	29	4835104N	418151E	640	5/6/2009	2
A36-29-197	43N	76W	29	4835653N	417763E	690	5/7/2009	2
A36-29-199	43N	73W	29	4835491N	417814E	660	5/7/2009	2
A36-29-201	43N	76W	29	4835553N	417368E	620	5/8/2009	2
A36-29-203	43N	76W	29	4835527N	417402E	620	5/8/2009	2
A36-29-198	43N	76W	29	4835648N	417732E	690	5/11/2009	2
A36-29-200	43N	76W	29	4835486N	417800E	660	5/11/2009	2
A36-29-202	43N	76W	29	4835206N	417177E	590	5/12/2009	2
A36-29-204	43N	76W	29	4835325N	417526E	620	5/12/2009	2
A36-29-205	43N	73W	29	4835466N	417366E	620	5/13/2009	2
A36-29-206	43N	76W	29	4835286N	417479E	620	5/13/2009	2
A36-29-208	43N	76W	29	4835488N	417785E	650	5/14/2009	2
A36-29-210	43N	76W	29	4835264N	417457E	620	5/14/2009	2
A36-31-012	43N	76W	31	4834248N	416887E		5/8/2009	2
A36-32-009	43N	76W	32	4833997N	416480E	550	5/6/2009	2
A36-29-212	43N	76W	29	4835295N	417490E	620	5/18/2009	2
A36-29-214	43N	76W	29	4835277N	417468E	620	5/18/2009	2
A36-29-215	43N	76W	29	4835218N	417657E	620	5/20/2009	2
A36-29-216	43N	76W	29	4835594N	417960E	670	5/19/2009	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A36-29-217	43N	76W	29	4835254N	417444E	620	5/20/2009	2
A36-29-218	43N	76W	29	4835244N	417434E	620	5/19/2009	2
A36-29-220	43N	76W	29	4865238N	417680E	620	5/21/2009	2
A36-29-222	43N	76W	29	4835136N	417469E	620	5/21/2009	2
A36-29-224	43N	76W	29	4835229N	417669E	620	5/22/2009	2
A36-29-226	43N	76W	29	4835152N	417494E	600	5/22/2009	2
A36-31-013	43N	76W	31	4834006N	416540E	600	5/11/2009	2
A36-31-014	43N	76W	31	4834200N	417090E	500	5/11/2009	2
A36-31-015	43N	76W	31	4834227N	416990E	500	5/12/2009	2
A36-31-016	43N	76W	31	4834014N	416602E	600	5/12/2009	2
A36-31-017	43N	76W	31	4834237N	416946E	500	5/13/2009	2
A36-31-020	43N	76W	31	4834240N	416929E	500	6/1/2009	2
A36-29-207	43N	76W	29	4835033N	417558E	600	5/14/2009	2
A36-29-209	43N	76W	29	4835051N	417557E	600	5/18/2009	2
A36-29-211	43N	76W	29	4835004N	417562E	600	5/19/2009	2
A36-29-213	43N	76W	29	4835046N	417665E	600	5/19/2009	2
A36-29-219	43N	76W	29	4834984N	417559E	600	5/20/2009	2
A36-29-221	43N	76W	29	4835018N	417559E	600	5/20/2009	2
A36-29-223	43N	76W	29	4835022N	417683E	600	5/21/2009	2
A36-29-225	43N	76W	29	4835056N	417653E	600	5/21/2009	2
A36-29-227	43N	76W	29	4835075N	417630E	600	5/27/2009	2
A36-29-229	43N	76W	29	4835036N	417677E	580	5/27/2009	2
A36-29-231	43N	76W	29	4835062N	417643E	600	5/28/2009	2
A36-29-233	43N	76W	29	4834878N	417554E	600	5/28/2009	2
A36-29-239	43N	76W	29	4834998N	417702E	600	6/3/2009	2
A36-31-018	43N	76W	31	4834232N	416962E	500	5/29/2009	2
A36-34-001	43N	76W	34	4833545N	421556E	795	6/1/2009	2
A36-34-002	43N	76W	34	4833645N	421284E	800	6/2/2009	2
A36-34-003	43N	76W	34	4833661N	421640E	800	6/3/2009	2
A36-34-004	43N	76W	34	4833398N	421626E	800	6/4/2009	2
A36-34-005	43N	76W	34	4833603N	421593E	800	6/4/2009	2
A36-34-006	43N	76W	34	4833323N	421528E	800	6/5/2009	2
A36-34-007	43N	76W	34	4833580N	421576E	800	6/8/2009	2
A36-34-008	43N	76W	34	4833359N	421577E	800	6/8/2009	2
A36-34-009	43N	76W	34	4833591N	421586E	800	6/9/2009	2
A36-29-228	43N	76W	29	4835189N	417506E	600	5/27/2009	2
A36-29-230	43N	76W	29	4835604N	417973E	660	5/27/2009	2
A36-29-232	43N	76W	29	4835202N	417514E	580	5/28/2009	2
A36-29-234	43N	76W	29	4835616N	417982E	660	5/28/2009	2
A36-29-236	43N	76W	29	4835221N	417532E	590	5/29/2009	2
A36-29-238	43N	76W	29	4835206N	417159E	600	5/29/2009	2
A36-31-019	43N	76W	31	4834009N	416571E	600	6/3/2009	2
A36-29-242	43N	76W	29	4835010N	417691E	580	6/4/2009	2
A36-29-244	43N	76W	29	4835729N	417817E	680	6/4/2009	2
A36-31-021	43N	76W	31	4834241N	416915E	500	6/5/2009	2
A36-31-022	43N	76W	31	4834008N	416557E	600	6/5/2009	2
A36-34-021	43N	76W	34	4833232N	421199E	820	6/17/2009	2
A36-34-023	43N	76W	34	4833378N	421296E	800	6/17/2009	2
A36-34-027	43N	76W	34	4833457N	421432E	800	6/18/2009	2
A36-34-025	43N	76W	34	4833358N	421317E	800	6/17/2009	2
A36-34-029	43N	76W	34	4833437N	421456E	810	6/19/2009	2
A36-34-030	43N	76W	34	4833887N	421339E	720	6/22/2009	2
A36-28-007	43N	76W	28	4834795N	420195E	620	6/22/2009	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A36-28-008	43N	76W	28	4834795N	420103E	620	6/23/2009	2
A36-28-009	43N	76W	28	4834799N	419981E	640	6/23/2009	2
A36-28-010	43N	76W	28	4834786N	419781E	640	6/24/2009	2
A36-28-012	43N	76W	28	4834797N	420043E	620	6/24/2009	2
A36-28-014	43N	76W	28	4834796N	420153E	620	6/25/2009	2
A36-28-016	43N	76W	28	4834795N	420223E	640	6/25/2009	2
A36-28-018	43N	76W	28	4834797N	420169E	630	6/26/2009	2
A36-28-020	43N	76W	28	4834795N	420210E	640	6/26/2009	2
A36-34-010	43N	76W	34	4833345N	421561E	800	6/10/2009	2
A36-34-011	43N	76W	34	4833366N	421589E	820	6/15/2009	2
A36-34-014	43N	76W	34	4833612N	421605E	800	6/15/2009	2
A36-34-016	43N	76W	34	4833477N	421409E	800	6/16/2009	2
A36-34-018	43N	76W	34	4833892N	420846E	700	6/16/2009	2
A36-34-020	43N	76W	34	4833891N	420905E	700	6/17/2009	2
A36-30-011	43N	76W	30	4835204N	417117E	600	6/1/2009	2
A36-29-235	43N	76W	29	4835205N	417144E	600	6/1/2009	2
A36-29-237	43N	76W	29	4835746N	417813E	680	6/3/2009	2
A36-29-240	43N	76W	29	4836010N	418323E	640	6/3/2009	2
A36-29-241	43N	76W	29	4835841N	418351E	640	6/4/2009	2
A36-29-243	43N	76W	29	4836012N	418308E	640	6/4/2009	2
A36-29-245	43N	76W	29	4835877N	418400E	620	6/5/2009	2
A36-29-246	43N	76W	29	4835829N	418322E	620	6/5/2009	2
A36-29-247	43N	76W	29	4835861N	418373E	620	6/8/2009	2
A36-29-248	43N	76W	29	4835689N	418379E	620	6/8/2009	2
A36-29-249	43N	76W	29	4835849N	418361E	620	6/9/2009	2
A36-29-250	43N	76W	29	4835690N	418402E	600	6/9/2009	2
A36-34-012	43N	76W	34	4833389N	421286E	800	6/10/2009	2
A36-34-013	43N	76W	34	4833243N	421187E	820	6/15/2009	2
A36-34-015	43N	76W	34	4833346N	421329E	800	6/15/2009	2
A36-34-017	43N	76W	34	4833219N	421207E	820	6/16/2009	2
A36-34-019	43N	76W	34	4833367N	421305E	800	6/16/2009	2
A36-28-011	43N	76W	28	4835046N	420032E	640	6/24/2009	2
A36-28-013	43N	76W	28	4835466N	420101E	620	6/24/2009	2
A36-28-015	43N	76W	28	4835047N	420015E	640	6/25/2009	2
A36-28-017	43N	76W	28	4835436N	420054E	620	6/25/2009	2
A36-28-019	43N	76W	28	4835047N	419998E	640	6/26/2009	2
A36-28-021	43N	76W	28	4835053N	420047E	620	6/26/2009	2
A36-34-022	43N	76W	34	4833890N	420785E	700	6/17/2009	2
A36-34-024	43N	76W	34	4833888N	420724E	700	6/19/2009	2
A36-34-026	43N	76W	34	4833774N	420810E	700	6/22/2009	2
A36-34-028	43N	76W	34	4833446N	421445E	820	6/23/2009	2
A36-34-031	43N	76W	34	4833890N	420768E	680	6/28/2009	2
A36-34-032	43N	76W	34	4833510N	421005E	720	6/23/2009	2
A36-32-013	43N	76W	32	4833540N	417535E	480	6/10/2009	2
A26-05-001	42N	76W	05	4832845N	417627E	560	6/10/2009	2
A26-05-002	42N	76W	05	4832572N	417463E	600	6/15/2009	2
A26-05-003	42N	76W	05	4832787N	417665E	540	6/15/2009	2
A26-05-004	42N	76W	05	4832553N	417517E	560	6/16/2009	2
A26-05-005	42N	76W	05	4832815N	417647E	540	6/16/2009	2
A26-05-006	42N	76W	02	4832832N	417638E	540	6/17/2009	2
A26-05-007	42N	76W	05	4832563N	417489E	560	6/17/2009	2
A26-05-008	42N	76W	05	4832800N	417655E	540	6/19/2009	2
A26-05-009	42N	76W	05	4832530N	417577E	560	6/18/2009	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A26-05-010	42N	76W	05	4832559N	417506E	560	6/19/2009	2
A26-05-011	42N	76W	05	4832540N	417548E	560	6/22/2009	2
A26-05-012	42N	76W	05	4832743N	417689E	540	6/22/2009	2
A26-05-014	42N	76W	05	4832547N	417533E	560	6/22/2009	2
A26-05-015	42N	76W	05	4832731N	417695E	540	6/23/2009	2
A26-05-016	42N	76W	05	4832212N	417381E	600	6/24/2009	2
A26-05-017	42N	76W	05	4831689N	417338E	600	6/24/2009	2
A26-05-018	42N	76W	05	4831687N	417353E	620	6/25/2009	2
A26-05-019	42N	76W	05	4832210N	417397E	180	6/25/2009	2
A26-05-020	42N	76W	05	4831679N	417371E	620	6/26/2009	2
A26-05-021	42N	76W	05	4831959N	417389E	600	6/26/2009	2
A26-05-022	42N	76W	05	4832212N	417398E	600	6/29/2009	2
A26-05-023	42N	76W	05	4831953N	417372E	560	6/29/2009	2
A26-05-024	42N	76W	05	4832210N	417430E	600	6/30/2009	2
A26-05-025	42N	76W	05	4831960N	417403E	580	7/1/2009	2
A26-08-001	42N	76W	08	4831428N	417373E	620	6/30/2009	2
A26-08-002	42N	76W	08	4831191N	417313E	620	7/1/2009	2
A25-14-048	42N	75W	14	4828788N	431718E	660	7/23/2009	2
A25-14-049	42N	75W	14	4829321N	432097E	640	7/24/2009	2
A25-14-050	42N	75W	14	4829312N	432189E	640	7/27/2009	2
A25-11-006	42N	75W	11	4830881N	432895E	700	7/17/2009	2
A25-11-008	42N	75W	11	4830785N	433211E	700	7/20/2009	2
A25-11-010	42N	75W	11	4830897N	432897E	660	7/20/2009	2
A25-11-012	42N	75W	11	4830868N	432894E	560	7/21/2009	2
A25-11-014	42N	75W	11	4830925N	432904E	660	7/21/2009	2
A25-11-016	42N	75W	11	4830921N	432611E	680	7/22/2009	2
A25-11-017	42N	75W	11	4830507N	432973E	640	7/23/2009	2
A25-11-018	42N	75W	11	4830944N	432930E	660	7/22/2009	2
A25-11-019	42N	75W	11	4830486N	432799E	620	7/23/2009	2
A25-11-020	42N	75W	11	4830935N	432917E	660	7/23/2009	2
A25-11-021	42N	75W	11	4830048N	432492E	660	7/23/2009	2
A25-11-022	42N	75W	11	4830921N	432550E	680	7/23/2009	2
A25-11-023	42N	75W	11	4830509N	432990E	620	7/24/2009	2
A25-11-024	42N	75W	11	4831369N	432524E	700	7/24/2009	2
A25-11-025	42N	75W	11	4830499N	432847E	640	7/24/2009	2
A25-11-026	42N	75W	11	4830921N	432500E	660	7/24/2009	2
A25-11-027	42N	75W	11	4830044N	432616E	680	7/24/2009	2
A25-11-028	42N	75W	11	4830923N	432381E	680	7/27/2009	2
A25-11-029	42N	75W	11	4831356N	432865E	720	7/27/2009	2
A25-11-030	42N	75W	11	4830034N	432741E	680	7/27/2009	2
A25-11-031	42N	75W	11	4830488N	432820E	640	7/27/2009	2
A25-11-032	42N	75W	11	4830920N	432565E	680	7/27/2009	2
A36-31-023	43N	76W	31	4834228N	416976E	500	6/8/2009	2
A36-32-010	43N	76W	32	4833846N	417326E	480	6/8/2009	2
A36-32-011	43N	76W	32	4833519N	417520E	480	6/9/2009	2
A26-08-003	42N	76W	08	4830719N	417601E	750	7/6/2009	2
A26-05-026	42N	76W	05	4831671N	417386E	620	7/6/2009	2
A26-08-005	42N	76W	08	4830726N	417541E	700	7/7/2009	2
A26-08-004	42N	76W	08	4831427N	417333E	580	7/7/2009	2
A26-08-007	42N	76W	08	4830721N	417569E	700	7/8/2009	2
A26-08-008	42N	76W	08	4831424N	417259E	580	7/8/2009	2
A26-08-010	42N	76W	08	4830721N	417585E	700	7/9/2009	2
A26-08-012	42N	76W	08	4830731N	417557E	700	7/9/2009	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A26-08-014	42N	76W	08	4831420N	417172E	610	7/10/2009	2
A26-08-016	42N	76W	08	4831210N	417268E	600	7/10/2009	2
A26-08-018	42N	76W	08	4831205N	417282E		7/13/2009	2
A26-08-017	42N	76W	08	4831198N	417298E	600	7/13/2009	2
A25-14-035	42N	75W	14	4828614N	431675E	720	7/14/2009	2
A25-14-036	42N	75W	14	4828614N	431707E	700	7/14/2009	2
A25-14-037	42N	75W	14	4828614N	431738E	700	7/15/2009	2
A25-11-001	42N	75W	11	4830509N	432501E	700	7/15/2009	2
A25-11-002	42N	75W	11	4830509N	433310E	640	7/16/2009	2
A25-11-003	42N	75W	11	4830491N	432622E	580	7/16/2009	2
A25-11-004	42N	75W	11	4830491N	433189E	660	7/17/2009	2
A25-11-005	42N	75W	11	4830485N	432684E	620	7/17/2009	2
A36-28-022	43N	76W	28	4834795N	420013E	620	6/29/2009	2
A36-28-024	43N	76W	28	4834796N	420181E	620	6/29/2009	2
A36-28-026	43N	76W	28	4834798N	420027E	620	6/30/2009	2
A36-28-028	43N	76W	28	4835253N	419879E	640	6/30/2009	2
A36-28-030	43N	76W	28	4835245N	419804E	660	7/1/2009	2
A36-28-032	43N	76W	28	4835245N	419620E	680	7/1/2009	2
A36-28-034	43N	76W	27	4835245N	419773E	660	7/2/2009	2
A36-28-036	43N	76W	28	4835243N	419761E	645	7/2/2009	2
A36-28-038	43N	76W	28	4835243N	419788E	660	7/6/2009	2
A36-28-040	43N	76W	28	4835242N	419746E	660	7/6/2009	2
A36-28-042	43N	76W	28	4835345N	419735E	660	7/7/2009	2
A26-07-001	42N	76W	07	4830631N	417003E	800	7/7/2009	2
A26-08-006	42N	76W	08	4830102N	417779E	820	7/8/2009	2
A26-08-009	42N	76W	08	4829971N	417907E	820	7/8/2009	2
A26-17-001	42N	76W	17	4829883N	417767E	800	7/9/2009	2
A26-08-011	42N	76W	08	4830371N	417689E	680	7/9/2009	2
A26-08-013	42N	76W	08	4830374N	417719E	660	7/10/2009	2
A36-28-050	43N	76W	28	4835160N	419953E	650	7/10/2009	2
A36-28-023	43N	76W	28	4835259N	420000E	640	6/29/2009	2
A36-28-025	43N	76W	28	4835045N	419984E	620	6/30/2009	2
A36-28-027	43N	76W	28	4835062N	420061E	620	6/30/2009	2
A36-28-029	43N	76W	28	4835449N	419685E	680	7/1/2009	2
A25-14-051	42N	75W	14	4829315N	432159E	640	7/30/2009	2
A25-14-052	42N	75W	14	4829318N	432128E	580	7/31/2009	2
A25-14-053	42N	75W	14	4828968N	432617E	680	8/3/2009	2
A25-14-054	42N	75W	14	4828968N	432589E	675	8/3/2009	2
A25-14-055	42N	75W	14	4828719N	432489E	700	8/4/2009	2
A25-14-056	42N	75W	14	4829103N	432725E	680	8/4/2009	2
A25-14-057	42N	75W	14	4828713N	432617E	700	8/5/2009	2
A25-11-037	42N	75W	11	4830041N	432677E	680	7/30/2009	2
A25-11-041	42N	75W	11	4830042N	432709E	620	7/31/2009	2
A25-11-007	42N	75W	11	4830507N	433067E	620	7/20/2009	2
A25-11-009	42N	75W	11	4830480N	432696E	620	7/21/2009	2
A25-11-011	42N	75W	11	4830508N	432946E	660	7/21/2009	2
A25-11-013	42N	75W	11	4830508N	433007E	640	7/22/2009	2
A25-11-015	42N	75W	11	4830488N	432757E	620	7/22/2009	2
A25-11-035	42N	75W	11	4830484N	432667E	640	7/30/2009	2
A25-11-036	42N	75W	11	4830412N	433180E	680	7/30/2009	2
A25-11-040	42N	75W	11	4830364N	433179E	620	7/31/2009	2
A25-11-042	42N	75W	11	4830917N	432456E	660	7/31/2009	2
A25-12-003	42N	75W	12	4829727N	433735E	760	8/3/2009	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A25-11-043	42N	75W	11	4830346N	433180E	620	8/3/2009	2
A25-12-004	42N	75W	12	4829724N	434041E	660	8/4/2009	2
A25-12-005	42N	75W	12	4830506N	434199E	720	8/4/2009	2
A25-12-006	42N	75W	12	4830509N	433893E	680	8/4/2009	2
A25-12-007	42N	75W	12	4829727N	433889E	700	8/5/2009	2
A25-12-008	42N	75W	12	4830505N	434047E	720	8/5/2009	2
A25-14-058	42N	75W	14	4828721N	432367E	700	8/5/2009	2
A25-14-059	42N	75W	14	4828721N	432396E	700	8/6/2009	2
A25-12-012	42N	75W	12	4830830N	434206E	740	8/6/2009	2
A25-12-014	42N	75W	12	4830548N	434621E	800	8/7/2009	2
A25-14-060	42N	75W	14	4828723N	432383E	700	8/10/2009	2
A25-14-061	42N	75W	14	4828723N	432411E	700	8/10/2009	2
A25-14-062	42N	75W	14	4828726N	432274E	710	8/11/2009	2
A25-14-063	42N	75W	14	4828731N	432180E	720	8/12/2009	2
A25-14-065	42N	75W	14	4828724N	432210E	720	8/18/2009	2
A25-23-008	42N	75W	23	4828065N	432157E	760	8/6/2009	2
A25-23-009	42N	75W	23	4827568N	432282E	810	8/6/2009	2
A25-23-010	42N	75W	23	4827246N	432437E	860	8/7/2009	2
A25-23-011	42N	75W	23	4828065N	432209E	780	8/7/2009	2
A25-23-012	42N	75W	23	4827915N	432156E	810	8/11/2009	2
A25-23-013	42N	75W	23	4827736N	432113E	820	8/12/2009	2
A25-23-017	42N	75W	23	4827621N	432089E	800	8/17/2009	2
A25-11-033	42N	75W	11	4831171N	432682E	700	7/30/2009	2
A25-11-034	42N	75W	11	4830919N	432440E	660	7/30/2009	2
A25-11-038	42N	75W	11	4831039N	432641E	700	7/31/2009	2
A25-11-039	42N	75W	11	4830922N	432534E	660	8/3/2009	2
A25-11-044	42N	75W	11	4831026N	432635E	680	8/5/2009	2
A25-11-045	42N	75W	11	4831055N	432645E	680	8/5/2009	2
A37-10-023	43N	77W	10	4839882N	411504E	740	9/1/2009	2
A37-15-006	43N	77W	15	4839810N	411583E	740	9/2/2009	2
A37-15-004	43N	77W	15	4839597N	411478E	740	9/2/2009	2
A37-15-008	43N	77W	15	4839766N	411624E	740	9/3/2009	2
A37-10-024	43N	77W	10	4839887N	412041E	780	9/3/2009	2
A37-15-012	43N	77W	15	4839814N	411944E	720	9/4/2009	2
A37-15-013	43N	77W	15	4839765N	411850E	720	9/8/2009	2
A37-15-011	43N	77W	15	4839704N	411708E	760	9/8/2009	2
A37-15-014	43N	77W	15	4839671N	411760E	720	9/9/2009	2
A37-15-015	43N	77W	15	4839389N	411786E	740	9/9/2009	2
A37-15-017	43N	77W	15	4839041N	412138E	800	9/10/2009	2
A37-15-018	43N	77W	15	4838966N	412042E	840	9/11/2009	2
A37-15-016	43N	77W	15	4839458N	411844E	740	9/11/2009	2
A25-11-046	42N	75W	11	4831012N	432630E	680	8/4/2009	2
A25-11-047	42N	75W	11	4831069N	432650E	680	8/4/2009	2
A25-11-048	42N	75W	11	4831098N	432659E	680	8/3/2009	2
A36-28-031	43N	76W	28	4835449N	419746E	680	7/1/2009	2
A36-28-033	43N	76W	28	4834946N	420055E	620	7/1/2009	2
A36-28-035	43N	76W	28	4835447N	419716E	680	7/2/2009	2
A36-28-037	43N	76W	28	4835448N	419729E	700	7/6/2009	2
A36-28-039	43N	76W	28	4834927N	420032E	620	7/6/2009	2
A36-28-041	43N	76W	28	4835130N	419918E	640	7/7/2009	2
A36-28-043	43N	76W	28	4834918N	420018E	620	7/7/2009	2
A36-28-044	43N	76W	28	4835140N	419927E	660	7/8/2009	2
A36-28-045	43N	76W	28	4835117N	419908E	640	7/8/2009	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A36-28-046	43N	76W	28	4834908N	420003E	620	7/9/2009	2
A36-28-047	43N	76W	28	4835147N	419941E	660	7/9/2009	2
A36-28-048	43N	76W	28	4835347N	419749E	660	7/10/2009	2
A36-28-049	43N	76W	28	4834906N	419973E	620	7/10/2009	2
A36-28-052	43N	76W	28	4834905N	419942E	640	7/13/2009	2
A36-28-053	43N	76W	28	4834908N	419986E	620	7/13/2009	2
A36-28-054	43N	76W	28	4834907N	419958E	640	7/14/2009	2
A36-28-055	43N	76W	28	4835043N	419953E	660	7/14/2009	2
A36-28-056	43N	76W	28	4834908N	419929E	640	7/15/2009	2
A25-14-038	42N	75W	14	4828976N	431879E	680	7/16/2009	2
A25-14-039	42N	75W	14	4828675N	431707E	660	7/16/2009	2
A25-14-040	42N	75W	14	4828976N	431863E	680	7/17/2009	2
A25-14-041	42N	75W	14	4828971N	431903E	660	7/17/2009	2
A25-14-042	42N	75W	14	4828975N	431951E	620	7/20/2009	2
A25-14-043	42N	75W	14	4829653N	432396E	650	7/20/2009	2
A25-14-044	42N	75W	14	4828971N	431921E	620	7/21/2009	2
A25-14-045	42N	75W	14	4829633N	432322E	580	7/21/2009	2
A25-14-046	42N	75W	14	4828741N	431714E	660	7/22/2009	2
A25-14-047	42N	75W	14	4828553N	431736E	660	7/22/2009	2
A25-12-009	42N	75W	12	4830509N	433926E	700	8/5/2009	2
A25-12-011	42N	75W	12	4830508N	433910E	760	8/6/2009	2
A25-12-013	42N	75W	12	4831310N	434247E	760	8/6/2009	2
A37-03-002	43N	77W	03	4842708N	411274E	740	8/10/2009	2
A37-03-003	43N	77W	03	4841708N	411107E	740	8/10/2009	2
A37-03-004	43N	77W	03	4841708N	411386E	720	8/11/2009	2
A37-09-002	43N	77W	09	4840936N	410199E	740	8/11/2009	2
A37-09-004	43N	77W	09	4840936N	410335E	740	8/12/2009	2
A37-03-005	43N	77W	03	4841710N	411331E	720	8/12/2009	2
A37-09-006	43N	77W	09	4840936N	410349E	740	8/13/2009	2
A37-03-006	43N	77W	03	4841708N	411358E	720	8/14/2009	2
A36-28-051	43N	76W	28	4835045N	419969E	660	7/13/2009	2
A37-09-001	43N	77W	09	4840933N	410459E	760	8/10/2009	2
A47-28-001	44N	77W	28	4844564N	409877E	740	8/11/2009	2
A37-09-003	43N	77W	09	4841420N	410467E	760	8/12/2009	2
A47-28-002	44N	77W	28	4844656N	409797E	760	8/12/2009	2
A47-28-003	44N	77W	28	4844634N	409815E	760	8/13/2009	2
A37-10-005	43N	77W	10	4839852N	410979E	820	8/21/2009	2
A37-10-006	43N	77W	10	4840313N	411232E	800	8/21/2009	2
A37-10-007	43N	77W	10	4841249N	411488E	760	8/21/2009	2
A37-09-014	43N	77W	09	4840580N	410558E	760	8/21/2009	2
A26-08-015	42N	76W	08	4829954N	417846E	800	8/25/2009	2
A26-08-019	42N	76W	08	4830388N	417790E	660	8/25/2009	2
A26-08-020	42N	76W	08	4829947N	417832E	720	8/26/2009	2
A26-08-021	42N	76W	08	4830378N	417749E	640	8/26/2009	2
A26-08-022	42N	76W	08	4830384N	417765E	640	8/27/2009	2
A26-08-023	42N	76W	08	4829941N	417803E	720	8/27/2009	2
A26-08-024	42N	76W	08	4829946N	417816E	640	8/28/2009	2
A26-08-025	42N	76W	08	4830378N	417735E	640	8/28/2009	2
A37-03-007	43N	77W	03	4841710N	411346E	720	8/17/2009	2
A37-09-008	43N	77W	09	4841299N	410287E	760	8/17/2009	2
A37-09-009	43N	77W	09	4840577N	410652E	760	8/18/2009	2
A37-09-010	43N	77W	09	4841321N	410308E	760	8/18/2009	2
A37-09-013	43N	77W	09	4840578N	410592E	760	8/20/2009	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A37-09-015	43N	77W	09	4840579N	410576E	760	8/24/2009	2
A37-09-017	43N	77W	09	4840328N	410724E	800	8/27/2009	2
A37-10-010	43N	77W	10	4841183N	411388E	760	8/24/2009	2
A37-10-012	43N	77W	10	4840344N	410766E	800	8/25/2009	2
A37-10-014	43N	77W	10	4840058N	411035E	820	8/25/2009	2
A37-10-016	43N	77W	10	4840038N	411012E	800	8/26/2009	2
A37-10-019	43N	77W	10	4840334N	410738E	820	8/27/2009	2
A26-08-026	42N	76W	08	4829939N	417786E	640	8/31/2009	2
A26-17-002	42N	76W	17	4829391N	417862E	700	8/31/2009	2
A37-03-001	43N	77W	03	4842708N	411112E	700	8/7/2009	2
A37-09-007	43N	77W	09	4841263N	410236E	760	8/14/2009	2
A37-09-011	43N	77W	09	4841310N	410299E	760	8/20/2009	2
A26-17-003	42N	76W	17	4829437N	417914E	680	9/1/2009	2
A26-17-004	42N	76W	17	4828903N	417867E	780	9/1/2009	2
A26-17-005	42N	76W	17	4828907N	417803E	700	9/2/2009	2
A26-17-006	42N	76W	17	4829412N	417889E	660	9/2/2009	2
A26-17-007	42N	76W	17	4828885N	417683E	680	9/3/2009	2
A26-17-008	42N	76W	17	4829426N	417899E	660	9/3/2009	2
A26-17-009	42N	76W	17	4829381N	417853E	680	9/4/2009	2
A26-17-010	42N	76W	17	4829405N	417877E	660	9/4/2009	2
A26-17-011	42N	76W	17	4828809N	417586E	660	9/8/2009	2
A26-17-012	42N	76W	17	4829371N	417840E	680	9/8/2009	2
A26-17-013	42N	76W	17	4829141N	417750E	700	9/9/2009	2
A26-08-027	42N	76W	08	4829933N	417769E	640	9/9/2009	2
A26-17-014	42N	76W	17	4829496N	417981E	660	9/10/2009	2
A26-17-015	42N	76W	17	4829544N	417739E	670	9/10/2009	2
A26-17-016	42N	76W	17	4828976N	417723E	680	9/11/2009	2
A26-17-017	42N	76W	17	4829455N	417939E	660	9/11/2009	2
A26-17-018	42N	76W	17	4829446N	417926E	660	9/14/2009	2
A26-17-019	42N	76W	17	4828998N	417700E	680	9/14/2009	2
A26-17-020	42N	76W	17	4829019N	417675E	660	9/15/2009	2
A26-17-021	42N	76W	17	4829466N	417944E	660	9/15/2009	2
A26-17-022	42N	76W	17	4829073N	417618E	660	9/16/2009	2
A26-05-027	42N	76W	05	4832098N	417401E	640	9/16/2009	2
A26-05-028	42N	76W	05	4831820N	417381E	620	9/17/2009	2
A26-05-029	42N	76W	05	4831585N	417478E	640	9/17/2009	2
A26-05-030	42N	76W	05	4832095N	417386E	620	9/18/2009	2
A26-05-031	42N	76W	05	4831817N	417399E	600	9/18/2009	2
A37-15-019	43N	77W	15	4839003N	412092E	840	9/14/2009	2
A37-15-020	43N	77W	15	4839488N	411874E	740	9/15/2009	2
A37-15-021	43N	77W	15	4838987N	412068E	840	9/15/2009	2
A37-15-022	43N	77W	15	4838996N	412079E	840	9/15/2009	2
A37-26-001	43N	77W	26	4835970N	413355E	840	9/16/2009	2
A37-26-002	43N	77W	26	4835561N	412932E	820	9/16/2009	2
A37-26-003	43N	77W	26	4834972N	413258E	840	9/17/2009	2
A37-26-005	43N	77W	26	4835386N	413404E	840	9/18/2009	2
A37-26-004	43N	77W	26	4836120N	413005E	800	9/22/2009	2
A37-27-001	43N	77W	27	4835134N	412226E	830	9/22/2009	2
A37-27-002	43N	77W	27	4835738N	412169E	740	9/23/2009	2
A37-27-003	43N	77W	27	4836140N	412153E	700	9/23/2009	2
A26-05-034	42N	76W	05	4832206N	417555E	405	9/24/2009	2
A26-05-035	42N	76W	05	4831948N	417504E	620	9/25/2009	2
A26-05-036	42N	76W	05	4832206N	417525E	440	9/25/2009	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A27-15-004	42N	77W	15	4828866N	411189E	960	9/10/2009	2
A27-15-005	42N	77W	15	4829156N	411663E	960	9/11/2009	2
A27-15-006	42N	77W	15	4829157N	411950E	960	9/14/2009	2
A27-14-001	42N	77W	14	4829147N	413033E	870	9/15/2009	2
A27-09-001	42N	77W	09	4830966N	409179E	940	9/16/2009	2
A27-09-002	42N	77W	09	4830662N	409173E	820	9/17/2009	2
A27-09-003	42N	77W	09	4830960N	409548E	820	9/18/2009	2
A27-09-004	42N	77W	09	4830946N	409905E	820	9/18/2009	2
A47-28-004	44N	77W	28	4844625N	409825E	780	8/13/2009	2
A47-28-005	44N	77W	28	4844647N	409806E	780	8/14/2009	2
A47-28-006	44N	77W	28	4844501N	409913E	720	8/17/2009	2
A37-10-001	43N	77W	10	4840242N	411437E	780	8/18/2009	2
A37-10-002	43N	77W	10	4840147N	411361E	780	8/18/2009	2
A37-10-003	43N	77W	10	4840058N	411279E	780	8/19/2009	2
A37-10-004	43N	77W	10	4840008N	411169E	820	8/20/2009	2
A37-10-009	43N	77W	10	4840817N	411504E	780	8/24/2009	2
A37-10-011	43N	77W	10	4840820N	411320E	750	8/24/2009	2
A37-10-013	43N	77W	10	4840821N	411198E	820	8/25/2009	2
A37-10-015	43N	77W	10	4840821N	411259E	780	8/25/2009	2
A37-10-018	43N	77W	10	4840072N	411050E	820	8/26/2009	2
A37-10-017	43N	77W	10	4840819N	411290E	780	8/27/2009	2
A37-10-020	43N	77W	10	4840818N	411274E	780	8/28/2009	2
A37-09-012	43N	77W	09	4840579N	410531E	760	8/19/2009	2
A37-15-001	43N	77W	15	4839617N	411933E	770	8/31/2009	2
A37-15-002	43N	77W	15	4839527N	411849E	740	9/1/2009	2
A37-15-003	43N	77W	15	4839385N	411723E	760	9/1/2009	2
A37-15-005	43N	77W	15	4839427N	411833E	760	9/2/2009	2
A37-15-007	43N	77W	15	4839408N	411810E	760	9/2/2009	2
A37-15-009	43N	77W	15	4839397N	411800E	760	9/3/2009	2
A27-15-001	42N	77W	15	4828951N	411077E	950	9/4/2009	2
A27-15-002	42N	77W	15	4828960N	411388E	960	9/8/2009	2
A27-15-003	42N	77W	15	4828961N	410770E	960	9/9/2009	2
A26-05-032	42N	76W	05	4832096N	417370E	600	9/22/2009	2
A26-05-033	42N	76W	05	4832207N	417411E	600	9/22/2009	2
A27-09-005	42N	77W	09	4830622N	409889E	760	9/22/2009	2
A27-09-006	42N	77W	09	4830629N	409548E	820	9/23/2009	2
A27-09-007	42N	77W	09	4830321N	409544E	820	9/24/2009	2
A27-09-008	42N	77W	09	4830794N	409893E	820	9/24/2009	2
A27-09-009	42N	77W	09	4830617N	410262E	820	9/25/2009	2
A27-09-010	42N	77W	09	4830946N	410271E	820	9/25/2009	2
A27-09-011	42N	77W	09	4830869N	409895E	780	9/28/2009	2
A27-09-012	42N	77W	09	4830322N	409899E	800	9/28/2009	2
A27-09-013	42N	77W	09	4830825N	409894E	780	9/29/2009	2
A27-09-014	42N	77W	09	4831250N	409907E	800	9/29/2009	2
A27-09-015	42N	77W	09	4830321N	410277E	800	9/30/2009	2
A27-09-016	42N	77W	09	4830017N	409895E	820	9/30/2009	2
A27-09-017	42N	77W	09	4830320N	409960E	800	10/2/2009	2
A27-09-018	42N	77W	09	4830826N	409876E	760	10/2/2009	2
A27-09-019	42N	77W	09	4830320N	409929E	800	10/15/2009	2
A27-09-020	42N	77W	09	4830824N	409861E	780	10/15/2009	2
A27-35-002	42N	77W	35	4823904N	413575E	760	10/16/2009	2
A27-35-003	42N	77W	35	4823703N	413714E	600	10/19/2009	2
A27-35-005	42N	77W	35	4824025N	413576E	600	10/22/2009	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A36-29-252	43N	76W	29	4835794N	417394E	710	10/29/2009	2
A36-20-018	43N	76W	20	4836496N	417938E	680	10/30/2009	2
A36-20-019	43N	76W	20	4836642N	418094E	700	11/2/2009	2
A36-20-020	43N	76W	20	4836962N	418048E	620	11/2/2009	2
A36-29-257	43N	76W	29	4835254N	417690E	680	11/3/2009	2
A27-35-001	42N	77W	35	4824013N	412817E	720	10/16/2009	2
A27-35-004	42N	77W	35	4823782N	413573E	600	10/19/2009	2
A27-35-006	42N	77W	35	4824064N	413207E	620	10/22/2009	2
A26-05-037	42N	76W	05	4831945N	417458E	620	9/28/2009	2
A26-05-038	42N	76W	05	4832676N	417572E	640	9/29/2009	2
A26-05-039	42N	76W	05	4832386N	417431E	620	9/29/2009	2
A26-05-040	42N	76W	05	4832931N	417695E	580	9/30/2009	2
A26-05-041	42N	76W	05	4832662N	417598E	580	9/30/2009	2
A26-05-042	42N	76W	05	4832443N	417494E	35	10/2/2009	2
A26-05-043	42N	76W	05	4832670N	417585E	540	10/2/2009	2
A26-05-044	42N	76W	05	4832911N	417707E	500	10/2/2009	2
A26-08-028	42N	76W	08	4831417N	417192E	620	10/14/2009	2
A26-05-045	42N	76W	05	4832923N	417700E	540	10/14/2009	2
A36-33-001	43N	76W	33	4834665N	418851E	680	10/15/2009	2
A36-32-014	43N	76W	32	4834233N	418406E	600	10/15/2009	2
A36-33-002	43N	76W	33	4834673N	419032E	700	10/16/2009	2
A36-32-015	43N	76W	32	4834229N	418651E	620	10/16/2009	2
A36-33-003	43N	76W	33	4834660N	418941E	680	10/19/2009	2
A36-33-004	43N	76W	33	4834210N	418904E	640	10/19/2009	2
A36-33-005	43N	76W	33	4834664N	418988E	700	10/22/2009	2
A36-33-006	43N	76W	33	4834208N	419089E	660	10/22/2009	2
A36-33-007	43N	76W	33	4834651N	419013E	680	10/23/2009	2
A36-33-008	43N	76W	33	4834208N	419195E	660	10/23/2009	2
A36-33-009	43N	76W	33	4834661N	419024E	680	10/26/2009	2
A36-29-251	43N	76W	29	4835702N	417776E	740	10/27/2009	2
A36-29-253	43N	76W	29	4835737N	418059E	760	10/27/2009	2
A36-29-255	43N	76W	29	4835483N	417422E	700	10/28/2009	2
A36-29-256	43N	76W	29	4835507N	417732E	780	10/28/2009	2
A36-29-254	43N	76W	29	4835957N	417752E	700	10/29/2009	2
A36-29-258	43N	76W	29	4836223N	418099E	700	10/30/2009	2
A36-28-057	43N	76W	28	4835214N	419845E	620	11/30/2009	2
A36-28-058	43N	76W	28	4835196N	419823E	640	12/1/2009	2
A36-28-059	43N	76W	28	4835223N	419862E	620	12/1/2009	2
A36-28-060	43N	76W	28	4835182N	419806E	620	12/2/2009	2
A36-28-061	43N	76W	28	4835200N	419837E	620	12/3/2009	2
A36-28-062	43N	76W	28	4835173N	419795E	620	12/3/2009	2
A36-32-016	43N	73W	32	4833880N	418024E	600	10/26/2009	2
A25-05-007	42N	75W	5	4831537N	427107E	620	7/28/2008	2
A25-15-054	42N	75W	15	4828557N	431319E	720	7/25/2008	2
A25-15-056	42N	75W	15	4828556N	431649E	700	7/25/2008	2
A25-15-057	42N	75W	15	4828748N	431556E	695	7/28/2008	2
A25-22-036	42N	75W	22	4828070N	430989E	720	7/24/2008	2
A25-22-037	42N	75W	22	4828053N	431015E	715	7/25/2008	2
A25-12-010	42N	75W	12	4829727N	433965E	720	8/6/2009	2
A25-15-020	42N	75W	15	4828693N	431652E	700	6/30/2008	2
A25-15-053	42N	75W	15	4828710N	431481E	680	7/24/2008	2
A25-15-078	42N	75W	15	4829116N	431097E	660	8/14/2008	2
A25-14-064	42N	75W	14	4828726N	432227E	710	8/14/2009	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A25-22-005	42N	75W	22	4827980N	430611E		6/9/2008	2
A25-22-025	42N	75W	22	4828566N	431193E	720	6/19/2008	2
A26-05-013	42N	76W	05	4832535N	417562E	560	6/22/2009	2
A36-32-012	43N	76W	32	4833725N	417478E	480	6/9/2009	2
A37-09-005	43N	77W	09	4841339N	410331E	760	8/13/2009	2
A37-09-016	43N	77W	09	4840324N	410710E	800	8/26/2009	2
A37-10-008	43N	77W	10	4839910N	411049E	840	8/24/2009	2
A37-10-021	43N	77W	10	4840050N	411026E	800	8/28/2009	2
A37-10-022	43N	77W	10	4839943N	411500E	790	8/31/2009	2
A26-13-001	42N	76W	13	4828805N	424266E	700	7/1/2008	2
A37-15-010	43N	77W	15	4839387N	411771E	740	9/4/2009	2
A35-33-001	43N	75W	33	4833532N	429570E	760	6/23/2008	2
A35-33-002	43N	75W	33	4833526N	429661E	705	6/23/2008	2
A35-33-003	43N	75W	33	4833534N	429477E	520	6/24/2008	2
A35-33-004	43N	75W	33	4833538N	429298E	610	6/25/2008	2
A35-33-005	43N	75W	33	4833536N	429382E	520	6/25/2008	2
A35-33-006	43N	75W	33	4833537N	429432E	520	6/26/2008	2
A35-33-007	43N	75W	33	4833539N	429445E	520	6/26/2008	2
A35-33-008	43N	75W	33	4833539N	429401E	540	6/27/2008	2
A35-34-001	43N	75W	34	4833539N	430950E	760	6/23/2008	2
A25-15-119	42N	75W	15	4828467N	431547E	660	9/16/2008	2
A25-15-120	42N	75W	15	4828557N	431489E	660	9/17/2008	2
A25-23-014	42N	75W	23	4827673N	432101E	815	8/13/2009	2
A25-23-015	42N	75W	23	4827918N	432144E	800	8/13/2009	2
A25-23-016	42N	75W	23	4827914N	432173E	800	8/14/2009	2
A45-28-001	44N	75W	28	4846023N	428913E	850	3/6/2008	2
A45-28-002	44N	75W	28	4845783N	428966E	820	3/6/2008	2
A36-32-017	43N	76W	32	4834054N	418205E	580	4/12/2010	2
A36-32-020	43N	76W	32	4834142N	418305E	580	4/13/2010	2
A36-29-259	43N	76W	29	4834792N	418430E	625	4/13/2010	2
A36-32-018	43N	76W	32	4834214N	417327E	540	4/13/2010	2
A36-32-019	43N	76W	32	4834726N	417498E	600	4/13/2010	2
A36-29-260	43N	76W	29	4834868N	417525E	600	4/14/2010	2
A36-29-261	43N	76W	29	4834898N	418424E	620	4/14/2010	2
A36-29-263	43N	76W	29	4834957N	418404E	640	4/16/2010	2
A36-32-022	43N	76W	32	4834099N	418255E	580	4/14/2010	2
A36-32-023	43N	76W	32	4834077N	418232E	580	4/15/2010	2
A36-32-021	43N	76W	32	4834460N	417464E	580	4/14/2010	2
A36-29-262	43N	76W	29	4834897N	417612E	600	4/15/2010	2
A36-31-024	43N	76W	31	4834211N	417041E	500	4/15/2010	2
A36-29-264	43N	76W	29	4834898N	417594E	600	4/16/2010	2
A36-29-265	43N	76W	29	4834954N	417413E	600	4/16/2010	2
A36-31-026	43N	76W	31	4834219N	417028E	500	4/19/2010	2
A36-31-025	43N	76W	31	4834206N	417057E	500	4/19/2010	2
A36-32-025	43N	76W	32	4834197N	417207E	520	4/20/2010	2
A36-32-027	43N	76W	32	4834206N	417267E	520	4/20/2010	2
A36-32-030	43N	76W	32	4834212N	417296E	520	4/21/2010	2
A36-32-031	43N	76W	32	4833958N	417601E	540	4/21/2010	2
A36-32-033	43N	76W	32	4834210N	417281E	520	4/22/2010	2
A36-32-035	43N	76W	32	4834188N	417337E	520	4/22/2010	2
A36-32-037	43N	76W	32	4833961N	417476E	520	4/27/2010	2
A36-32-039	43N	76W	32	4834728N	417525E	600	4/27/2010	2
A36-32-041	43N	76W	32	4833960N	417491E	520	4/28/2010	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A36-32-024	43N	76W	32	4834121N	418280E	580	4/16/2010	2
A36-29-266	43N	76W	29	4834893N	417581E	620	4/19/2010	2
A36-29-267	43N	76W	29	4834960N	417392E	600	4/19/2010	2
A36-32-026	43N	76W	32	4834132N	418293E	580	4/20/2010	2
A36-32-028	43N	76W	32	4833961N	417418E	540	4/20/2010	2
A36-32-029	43N	76W	32	4834199N	417374E	520	4/21/2010	2
A36-32-032	43N	76W	32	4834341N	418280E	570	4/21/2010	2
A36-32-034	43N	76W	32	4833959N	417507E	520	4/22/2010	2
A36-32-036	43N	76W	32	4834570N	418199E	610	4/22/2010	2
A36-32-038	43N	76W	32	4834638N	418388E	620	4/27/2010	2
A36-32-040	43N	76W	32	4834630N	418692E	620	4/28/2010	2
A36-29-268	43N	76W	29	4834772N	418244E	660	4/27/2010	2
A36-32-042	43N	76W	32	4834727N	417512E	600	4/29/2010	2
A36-29-269	43N	76W	29	4834924N	417338E	600	4/29/2010	2
A36-29-271	43N	76W	29	4835215N	417381E	600	5/3/2010	2
A36-29-272	43N	76W	29	4835151N	417408E	600	5/3/2010	2
A36-29-276	43N	76W	29	4835215N	417393E	600	5/5/2010	2
A36-32-043	43N	76W	32	4834684N	418230E	660	4/29/2010	2
A36-29-270	43N	76W	29	4835181N	418560E	660	4/29/2010	2
A36-29-273	43N	76W	29	4835299N	418523E	680	5/3/2010	2
A36-29-274	43N	76W	29	4835402N	417325E	610	5/3/2010	2
A36-29-277	43N	76W	29	4835288N	418512E	680	5/5/2010	2
A36-29-275	43N	76W	29	4835155N	417381E	600	5/5/2010	2
A36-29-278	43N	76W	29	4835406N	417373E	610	5/5/2010	2
A36-29-279	43N	76W	29	4835406N	417357E	610	5/17/2010	2
A36-29-280	43N	76W	29	4835276N	418501E	660	5/17/2010	2
A45-35-002	44N	75W	35	4843049N	432110E	700	5/18/2010	2
A45-35-001	44N	75W	35	4842901N	432304E	700	5/18/2010	2
A45-35-005	44N	75W	35	4842962N	432304E	700	5/19/2010	2
A45-35-006	44N	75W	35	4843110N	432110E	700	5/19/2010	2
A45-35-008	44N	75W	35	4843023N	432305E	840	5/20/2010	2
A45-35-011	44N	75W	35	4843172N	432110E	840	5/21/2010	2
A45-35-003	44N	75W	35	4843928N	432640E	920	5/18/2010	2
A45-35-004	44N	75W	35	4843959N	432396E	920	5/19/2010	2
A45-35-007	44N	75W	35	4843867N	432639E	860	5/20/2010	2
A45-35-009	44N	75W	35	4844019N	432396E	860	5/20/2010	2
A45-35-010	44N	75W	35	4843898N	432640E	860	5/21/2010	2
A45-35-013	44N	75W	35	4842993N	432304E	700	5/26/2010	2
A45-35-015	44N	75W	35	4843141N	432110E	700	5/26/2010	2
A45-35-017	44N	75W	35	4843080N	432109E	700	6/1/2010	2
A45-35-019	44N	75W	35	4843008N	432305E	700	6/1/2010	2
A45-35-021	44N	75W	35	4843097N	432110E	900	6/3/2010	2
A45-35-022	44N	75W	35	4843095N	432233E	900	6/3/2010	2
A45-35-024	44N	75W	35	4843489N	432348E	900	6/7/2010	2
A45-35-012	44N	75W	35	4844080N	432397E	840	5/26/2010	2
A45-35-014	44N	75W	35	4843913N	432640E	860	5/26/2010	2
A45-35-016	44N	75W	35	4844141N	432397E	840	6/1/2010	2
A45-35-020	44N	75W	35	4843988N	432517E	860	6/1/2010	2
A45-35-023	44N	75W	35	4843932N	432515E	860	6/3/2010	2
A45-35-018	44N	75W	35	4844140N	432518E	840	6/3/2010	2
A45-35-025	44N	75W	35	4844363N	432611E	900	6/4/2010	2
A45-35-026	44N	75W	35	4844105N	432565E	860	6/7/2010	2
A45-35-027	44N	75W	35	4843080N	432233E	900	6/7/2010	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A45-35-029	44N	75W	35	4844319N	432069E	860	6/8/2010	2
A45-35-031	44N	75W	35	4843084N	432305E	900	6/8/2010	2
A45-35-035	44N	75W	35	4843129N	432306E	856	6/9/2010	2
A45-35-037	44N	75W	35	4843190N	432306E	900	6/10/2010	2
A45-35-033	44N	75W	35	4843065N	432233E	526	6/11/2010	2
A45-35-041	44N	75W	35	4843064N	432231E	900	6/18/2010	2
A45-35-040	44N	75W	35	4842989N	432109E	900	6/18/2010	2
A45-35-042	44N	75W	35	4843049N	432232E	900	6/21/2010	2
A45-35-044	44N	75W	35	4843543N	432654E	920	6/21/2010	2
A45-35-046	44N	75W	35	4842860N	432108E	900	6/22/2010	2
A45-35-047	44N	75W	35	4843266N	432292E	900	6/23/2010	2
A45-35-048	44N	75W	35	4843446N	432332E	920	6/23/2010	2
A45-35-049	44N	75W	35	4843294N	432654E	900	6/24/2010	2
A45-35-050	44N	75W	35	4843267N	432276E	880	6/24/2010	2
A45-35-051	44N	75W	35	4843434N	432326E	880	6/25/2010	2
A45-35-052	44N	75W	35	4843385N	432654E	837	6/28/2010	2
A45-35-028	44N	75W	35	4844364N	432549E	860	6/7/2010	2
A45-35-030	44N	75W	35	4844126N	432543E	840	6/8/2010	2
A45-35-032	44N	75W	35	4844363N	432580E	840	6/8/2010	2
A45-35-034	44N	75W	35	4844133N	432531E	840	6/9/2010	2
A45-35-036	44N	75W	36	4844363N	432565E	840	6/9/2010	2
A45-26-001	44N	75W	26	4844798N	432148E	920	6/10/2010	2
A35-02-001	43N	75W	02	4842415N	432299E	960	6/11/2010	2
A45-35-039	44N	75W	35	4843233N	432111E	900	6/18/2010	2
A45-35-038	44N	75W	35	4843343N	432308E	900	6/18/2010	2
A45-35-043	44N	75W	35	4843267N	432307E	880	6/21/2010	2
A45-35-045	44N	75W	35	4843418N	432320E	900	6/21/2010	2
A45-25-001	44N	75W	25	4844706N	433701E	850	6/22/2010	2
A45-25-002	44N	75W	25	4844861N	434028E	740	6/22/2010	2
A45-25-003	44N	75W	25	4844580N	434282E	760	6/23/2010	2
A45-25-004	44N	75W	25	4844661N	433741E	740	6/23/2010	2
A45-25-005	44N	75W	25	4844642N	433762E	740	6/24/2010	2
A45-25-006	44N	75W	25	4845085N	434484E	740	6/24/2010	2
A45-25-007	44N	75W	25	4844897N	434640E	730	6/25/2010	2
A45-25-008	44N	75W	25	4845094N	435174E	720	6/25/2010	2
A45-25-009	44N	75W	29	4845100N	434484E	740	6/28/2010	2
A45-25-010	44N	75W	25	4844991N	434562E	740	6/28/2010	2
A45-25-012	44N	75W	25	4845130N	434484E	740	6/29/2010	2
A45-35-053	44N	75W	35	4844354N	432655E	840	6/28/2010	2
A45-25-011	44N	75W	25	4844354N	435173E	900	6/29/2010	2
A45-25-013	44N	75W	25	4845096N	434821E	720	6/29/2010	2
A45-25-014	44N	75W	25	4844944N	434600E	740	6/29/2010	2
A45-25-015	44N	75W	25	4844737N	435177E	720	6/30/2010	2
A45-25-016	44N	75W	25	4845073N	434495E	740	6/30/2010	2
A45-25-017	44N	75W	25	4844920N	434620E	740	6/30/2010	2
A45-25-018	44N	75W	25	4844967N	434581E	740	6/30/2010	2
A45-25-019	44N	75W	25	4844932N	434610E	720	7/1/2010	2
A45-25-020	44N	75W	25	4845085N	434468E	740	7/1/2010	2
A45-25-021	44N	75W	25	4844631N	433773E	740	7/2/2010	2
A45-25-022	44N	75W	25	4844979N	434573E	715	7/2/2010	2
A45-25-023	44N	75W	25	4845085N	434453E	740	7/2/2010	2
A45-25-024	44N	75W	25	4844741N	434148E	760	7/2/2010	2
A45-25-025	44N	75W	25	4844674N	434205E	760	7/6/2010	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A45-25-026	44N	75W	25	4845085N	434391E	740	7/6/2010	2
A45-25-027	44N	75W	25	4844628N	434245E	760	7/6/2010	2
A45-25-028	44N	75W	25	4845086N	434267E	740	7/6/2010	2
A45-25-029	44N	75W	25	4845100N	434670E	740	7/7/2010	2
A45-25-030	44N	75W	25	4844604N	434265E	760	7/7/2010	2
A45-25-031	44N	75W	25	4845086N	434327E	740	7/7/2010	2
A45-25-032	44N	75W	25	4844592N	434274E	760	7/7/2010	2
A45-25-033	44N	75W	25	4845086N	434358E	740	7/8/2010	2
A45-25-034	44N	75W	25	4844394N	434440E	770	7/8/2010	2
A45-25-035	44N	75W	25	4845095N	434724E	720	7/8/2010	2
A45-25-036	44N	75W	25	4844647N	434021E	740	7/9/2010	2
A45-25-037	44N	75W	25	4845085N	434374E	740	7/9/2010	2
A45-25-038	44N	75W	25	4844601N	434061E	740	7/9/2010	2
A45-25-039	44N	75W	25	4845099N	434701E	740	7/9/2010	2
A45-25-040	44N	75W	25	4844555N	434100E	740	7/13/2010	2
A45-25-041	44N	75W	25	4845098N	434713E	720	7/13/2010	2
A45-25-042	44N	75W	25	4845146N	434375E	740	7/13/2010	2
A45-25-043	44N	75W	25	4844983N	434865E	720	7/13/2010	2
A45-25-044	44N	75W	25	4845130N	434453E	740	7/14/2010	2
A45-25-045	44N	75W	25	4845040N	434842E	720	7/14/2010	2
A45-25-046	44N	75W	25	4845012N	434852E	720	7/15/2010	2
A45-25-047	44N	75W	25	4844827N	434699E	730	7/14/2010	2
A45-25-048	44N	75W	25	4845054N	434837E	720	7/15/2010	2
A45-25-049	44N	75W	25	4844534N	434322E	760	7/15/2010	2
A45-25-050	44N	75W	25	4845068N	434831E	720	7/16/2010	2
A45-25-051	44N	75W	25	4844804N	434718E	740	7/15/2010	2
A45-25-052	44N	75W	25	4844997N	434858E	720	7/16/2010	2
A35-11-001	43N	75W	11	4841123N	433428E	840	7/19/2010	2
A35-11-002	43N	75W	11	4841126N	433121E	860	7/20/2010	2
A35-12-001	43N	75W	12	4841026N	433842E	960	7/16/2010	2
A35-12-002	43N	75W	12	4841066N	433724E	840	7/19/2010	2
A35-12-003	43N	75W	12	4841047N	433781E	820	7/20/2010	2
A35-11-003	43N	75W	11	4841125N	433242E	840	7/20/2010	2
A35-11-004	43N	75W	11	4841124N	433333E	840	7/21/2010	2
A35-11-006	43N	75W	11	4841124N	433364E	820	7/21/2010	2
A35-11-007	43N	75W	11	4841125N	433302E	820	7/22/2010	2
A35-11-008	43N	75W	11	4841125N	433349E	820	7/23/2010	2
A35-11-010	43N	75W	11	4840678N	433183E	840	7/23/2010	2
A35-11-014	43N	75W	11	4841128N	433286E	840	7/26/2010	2
A35-11-015	43N	75W	11	4841125N	433318E	820	7/26/2010	2
A35-11-016	43N	75W	11	4840666N	433212E	830	7/27/2010	2
A35-11-017	43N	75W	11	4840699N	433127E	830	7/27/2010	2
A35-11-021	43N	75W	11	4840902N	433246E	840	7/28/2010	2
A35-11-019	43N	75W	11	4840672N	433197E	830	7/28/2010	2
A35-11-023	43N	75W	11	4840427N	433414E	840	7/29/2010	2
A35-11-025	43N	75W	11	4840688N	433155E	840	7/30/2010	2
A35-11-026	43N	75W	11	4840460N	433363E	840	8/2/2010	2
A35-12-009	43N	75W	11	4840799N	433716E	830	8/2/2010	2
A35-12-010	43N	75W	11	4840809N	433686E	830	8/3/2010	2
A35-12-004	43N	75W	12	4841037N	433809E	840	7/20/2010	2
A35-12-005	43N	75W	12	4841041N	433794E	820	7/21/2010	2
A35-12-006	43N	75W	12	4840594N	433591E	820	7/26/2010	2
A35-12-007	43N	75W	12	4840538N	433661E	820	7/27/2010	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A35-12-008	43N	75W	12	4840820N	433657E	840	7/29/2010	2
A35-12-011	43N	75W	12	4840815N	433672E	840	8/4/2010	2
A35-11-005	43N	75W	11	4840615N	433534E	840	7/22/2010	2
A35-11-009	43N	75W	11	4840605N	433563E	820	7/23/2010	2
A35-11-011	43N	75W	11	4840621N	433519E	820	7/23/2010	2
A35-11-012	43N	75W	11	4840632N	433491E	830	7/27/2010	2
A35-11-013	43N	75W	11	4840656N	433240E	830	7/26/2010	2
A35-11-018	43N	75W	11	4840647N	433432E	830	7/28/2010	2
A35-11-020	43N	75W	11	4840626N	433506E	820	7/28/2010	2
A35-11-024	43N	75W	11	4840635N	433476E	830	7/30/2010	2
A35-11-028	43N	75W	11	4840494N	433312E	820	8/3/2010	2
A35-11-030	43N	75W	11	4840478N	433339E	820	8/4/2010	2
A35-11-022	43N	75W	11	4840617N	433487E	820	8/9/2010	2
A35-11-027	43N	75W	11	4840486N	433324E	840	8/11/2010	2
A35-11-029	43N	75W	11	4840444N	433388E	840	8/12/2010	2
A35-11-031	43N	75W	11	4840881N	433302E	840	8/13/2010	2
A35-11-032	43N	75W	11	4840452N	433375E	820	8/16/2010	2
A35-11-033	43N	75W	11	4840509N	433285E	805	8/17/2010	2
A35-11-034	43N	75W	11	4840870N	433331E	840	8/17/2010	2
A35-11-035	43N	75W	11	4840875N	433318E	860	8/18/2010	2
A35-12-012	43N	75W	12	4840788N	433744E	840	8/9/2010	2
A35-12-013	43N	75W	12	4840793N	433729E	840	8/10/2010	2
A35-12-014	43N	75W	12	4840579N	433618E	820	8/11/2010	2
A35-12-015	43N	75W	12	4840566N	433629E	810	8/12/2010	2
A35-12-016	43N	75W	12	4840586N	433605E	785	8/18/2010	2
A35-11-036	43N	75W	11	4840316N	433145E	820	8/20/2010	2
A35-11-037	43N	75W	11	4840519N	433254E	820	8/23/2010	2
A35-11-038	43N	75W	11	4840332N	431987E	895	8/23/2010	2
A35-11-039	43N	75W	11	4840285N	433197E	810	8/24/2010	2
A35-11-040	43N	75W	11	4840579N	433256E	820	8/25/2010	2
A35-11-041	43N	75W	11	4840278N	433210E	800	8/25/2010	2
A45-27-001	44N	75W	27	4845310N	431307E	900	8/26/2010	2
A45-27-002	44N	75W	27	4845306N	431642E	820	8/27/2010	2
A45-27-003	44N	75W	27	4845310N	431277E	800	8/30/2010	2
A45-27-004	44N	75W	27	4845793N	431626E	820	8/30/2010	2
A45-27-005	44N	75W	27	4845793N	431597E	800	8/31/2010	2
A45-27-006	44N	75W	27	4845795N	431291E	800	8/31/2010	2
A45-27-007	44N	75W	27	4845794N	431534E	800	9/1/2010	2
A45-27-008	44N	75W	27	4845795N	431352E	760	9/1/2010	2
A45-27-009	44N	75W	27	4845793N	431565E	760	9/7/2010	2
A45-27-010	44N	75W	27	4845796N	431321E	760	9/3/2010	2
A45-27-011	44N	75W	27	4845796N	431337E	760	9/7/2010	2
A45-27-012	44N	75W	27	4845794N	431550E	760	9/8/2010	2
A45-22-001	44N	75W	22	4846291N	431454E	800	9/8/2010	2
A45-22-002	44N	75W	27	4846290N	431636E	800	9/10/2010	2
A45-22-003	44N	75W	22	4846299N	431225E	100	9/10/2010	2
A45-22-004	44N	75W	22	4846837N	431641E	800	9/13/2010	2
A45-22-005	44N	75W	22	4846838N	431459E	780	9/13/2010	2
A45-22-006	44N	75W	22	4846835N	431762E	920	9/14/2010	2
A45-22-007	44N	75W	22	4846836N	431701E	780	9/15/2010	2
A45-22-008	44N	75W	22	4846838N	431552E	780	9/15/2010	2
A45-22-009	44N	75W	22	4846836N	431732E	760	9/16/2010	2
A45-22-010	44N	75W	22	4846838N	431506E	920	9/16/2010	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A45-22-011	44N	75W	22	4846836N	431717E	760	9/17/2010	2
A45-22-012	44N	75W	22	4846299N	431221E	800	9/10/2010	2
A45-34-001	44N	75W	34	4843002N	431616E	660	9/20/2010	2
A45-34-002	44N	75W	34	4843663N	431624E	920	9/20/2010	2
A45-34-003	44N	75W	34	4843694N	431623E	880	9/22/2010	2
A45-34-004	44N	75W	34	4843017N	431617E	660	9/22/2010	2
A45-34-005	44N	75W	34	4843061N	431454E	680	9/24/2010	2
A45-34-006	44N	75W	34	4843679N	431623E	880	9/23/2010	2
A45-34-007	44N	75W	34	4842986N	431616E	660	9/27/2010	2
A45-34-008	44N	75W	34	4843122N	431454E	680	9/27/2010	2
A45-34-009	44N	75W	34	4843153N	431455E	680	9/28/2010	2
A45-34-010	44N	75W	34	4843092N	431454E	655	9/28/2010	2
A45-34-011	44N	75W	34	4843137N	431454E	660	9/29/2010	2
A45-34-012	44N	75W	34	4843107N	431454E	660	9/29/2010	2
A45-34-013	44N	75W	34	4843324N	431076E	660	9/30/2010	2
A45-34-014	44N	75W	34	4843709N	431624E	880	9/30/2010	2
A45-34-015	44N	75W	34	4843209N	430657E	700	10/1/2010	2
A45-34-016	44N	75W	34	4843354N	431077E	660	10/1/2010	2
A45-34-017	44N	75W	34	4843367N	431074E	660	10/4/2010	2
A45-34-018	44N	75W	34	4843262N	430641E	700	10/4/2010	2
A45-34-019	44N	75W	34	4843790N	431205E	940	10/5/2010	2
A45-34-020	44N	75W	34	4843236N	430645E	700	10/6/2010	2
A45-34-021	44N	75W	34	4843339N	431076E	660	10/6/2010	2
A45-34-022	44N	75W	34	4843298N	430872E	680	10/7/2010	2
A45-34-023	44N	75W	34	4843250N	430643E	700	10/7/2010	2
A45-34-025	44N	75W	34	4843356N	430853E	700	10/8/2010	2
A45-34-026	44N	75W	34	4843340N	430857E	700	10/11/2010	2
A45-34-027	44N	75W	34	4843318N	430865E	680	10/12/2010	2
A45-34-028	44N	75W	34	4843219N	430400E	720	10/13/2010	2
A45-34-029	44N	75W	34	4843249N	430401E	720	10/14/2010	2
A45-34-030	44N	75W	34	4843279N	430401E	780	10/15/2010	2
A45-34-031	44N	75W	34	4843266N	430402E	720	10/18/2010	2
A45-34-032	44N	75W	34	4843134N	430708E	730	10/19/2010	2
A45-34-033	44N	75W	34	4843296N	431075E	660	10/19/2010	2
A45-34-034	44N	75W	34	4843267N	431079E	660	10/20/2010	2
A45-34-035	44N	75W	34	4843132N	430952E	700	10/20/2010	2
A45-34-036	44N	75W	34	4843132N	431208E	680	10/21/2010	2
A44-30-001	44N	74W	30	4844725N	435695E	680	10/22/2010	2
A45-34-024	44N	75W	34	4843222N	430650E	700	10/12/2010	2
A45-33-001	44N	75W	33	4843003N	430279E	760	10/13/2010	2
A45-33-002	44N	75W	33	4843002N	430309E	800	10/15/2010	2
A45-33-003	44N	75W	33	4843003N	430293E	800	10/18/2010	2
A44-30-002	44N	74W	30	4844338N	435709E	700	10/26/2010	2
A44-30-004	44N	74W	30	4844346N	435425E	710	10/28/2010	2
A44-30-003	44N	74W	30	4844689N	435425E	700	10/27/2010	2
A44-30-005	44N	74W	30	4844647N	435381E	680	10/28/2010	2
A44-30-006	44N	74W	30	4844347N	435301E	840	10/29/2010	2
A44-30-007	44N	74W	30	4844561N	435294E	680	11/1/2010	2
A44-30-008	44N	75W	30	4844355N	435318E	715	11/3/2010	2
A44-30-009	44N	74W	30	4844518N	435250E	680	11/2/2010	2
A44-30-010	44N	74W	30	4844347N	435286E	720	11/2/2010	2
A44-30-011	44N	75W	30	4844333N	436196E	780	11/3/2010	2
A44-30-012	44N	74W	30	4844349N	435338E	720	11/8/2010	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A44-30-013	44N	74W	30	4844498N	435229E	680	11/8/2010	2
A44-30-014	44N	74W	30	4844349N	435354E	710	11/9/2010	2
A44-30-015	44N	74W	30	4844540N	435272E	540	11/11/2010	2
A44-30-016	44N	74W	30	4844348N	435369E	720	11/11/2010	2
A44-30-018	44N	74W	30	4844347N	435385E	700	11/12/2010	2
A44-30-019	44N	74W	30	4844551N	435283E	520	11/12/2010	2
A44-30-017	44N	74W	30	4844343N	435559E	675	11/19/2010	2
A44-30-020	44N	74W	30	4844618N	435237E	680	11/19/2010	2
A44-30-021	44N	74W	30	4844635N	435262E	680	11/22/2010	2
A44-30-022	44N	74W	30	4844657N	435284E	680	11/23/2010	2
A44-30-023	44N	74W	30	4844646N	435273E	680	11/29/2010	2
A44-30-024	44N	74W	30	4844339N	435953E	720	11/30/2010	2
A44-30-025	44N	74W	30	4844337N	436628E	800	12/1/2010	2
A44-30-026	44N	74W	30	4844670N	435294E	680	12/1/2010	2
A44-30-027	44N	74W	30	4844351N	436409E	700	12/2/2010	2
A44-30-028	44N	74W	30	4844696N	435318E	680	12/2/2010	2
A44-30-029	44N	74W	30	4844695N	435364E	680	12/3/2010	2
A44-30-030	44N	74W	30	4844695N	435395E	680	12/6/2010	2
A44-30-031	44N	74W	30	4844692N	435410E	680	12/6/2010	2
A45-25-053	44N	75W	25	4844919N	435178E	680	12/7/2010	2
A45-25-054	44N	75W	25	4844366N	434906E	820	4/11/2011	2
A45-25-055	44N	75W	25	4844966N	434660E	740	4/12/2011	2
A45-25-056	44N	75W	25	4844499N	435189E	700	4/25/2011	2
A45-25-057	44N	75W	25	4845012N	434701E	700	4/25/2011	2
A45-25-058	44N	75W	25	4844980N	435180E	680	4/25/2011	2
A16-02-004	41N	76W	02	4822983N	422548E	1000	9/26/2011	2
A16-02-005	41N	76W	02	4822937N	422849E	1000	9/27/2011	2
A16-02-006	41N	76W	02	4822927N	423158E	1000	9/28/2011	2
A16-01-007	41N	76W	01	4823058N	424611E	1000	10/3/2011	2
A16-01-008	41N	76W	1	4823059N	424582E	1000	10/4/2011	2
A16-01-009	41N	76W	1	4822574N	424510E	1000	10/5/2011	2
A15-06-001	41N	75W	6	4823059N	425260E	995	9/27/2011	2
A15-06-002	41N	75W	6	4822908N	425509E	1040	9/28/2011	2
A16-01-001	41N	76W	01	4823193N	424652E	1000	9/20/2011	2
A16-01-002	41N	76W	01	4823189N	424953E	1040	9/21/2011	2
A16-01-003	41N	76W	01	4822908N	424104E	1040	9/22/2011	2
A26-34-001	42N	76W	34	4823823N	421264E	1000	8/24/2011	2
A26-34-002	42N	76W	34	4823824N	420960E	1000	8/29/2011	2
A26-34-003	42N	76W	34	4823931N	421847E	680	8/24/2011	2
A26-34-004	42N	76W	34	4824251N	421821E	810	8/26/2011	2
A26-34-005	42N	76W	34	4824539N	421854E	995	8/29/2011	2
A26-34-006	42N	76W	34	4823974N	421597E	1000	8/30/2011	2
A26-34-007	42N	76W	34	4824860N	421826E	1000	8/30/2011	2
A26-34-008	42N	76W	34	4823838N	420959E	1000	9/1/2011	2
A26-34-009	42N	76W	34	4823988N	421593E	820	9/2/2011	2
A26-34-010	42N	76W	34	4823837N	421264E	940	9/6/2011	2
A26-34-012	42N	76W	34	4824271N	420368E	1000	9/8/2011	2
A26-34-011	42N	76W	34	4824935N	420764E	970	9/7/2011	2
A26-27-001	42N	76W	27	4825165N	421853E	1000	8/31/2011	2
A26-27-002	42N	76W	27	4825452N	421873E	1000	9/1/2011	2
A26-27-003	42N	76W	27	4825777N	421897E	1000	9/6/2011	2
A26-27-004	42N	76W	27	4825528N	420360E	1000	9/8/2011	2
A16-02-001	41N	76W	02	4823034N	423503E	1040	9/20/2011	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A16-02-002	41N	76W	02	4823227N	422280E	1000	9/21/2011	2
A16-02-003	41N	76W	02	4823195N	421945E	965	9/23/2011	2
A26-26-001	42N	76W	26	4825084N	422852E	1000	9/12/2011	2
A26-26-002	42N	76W	26	4825074N	423149E	340	9/12/2011	2
A26-26-003	42N	76W	26	4825029N	423530E	1000	9/13/2011	2
A25-31-001	42N	75W	31	4824647N	425256E	1000	9/14/2011	2
A25-31-002	42N	75W	31	4823995N	425200E	1020	9/19/2011	2
A25-31-003	42N	75W	31	4823654N	425433E	1000	9/19/2011	2
A26-25-001	42N	76W	25	4824993N	424143E	1000	9/14/2011	2
A16-01-005	41N	76W	01	4823061N	424506E	1000	9/29/2011	2
A26-34-013	42N	76W	34	4823804N	420961E	960	9/29/2011	2
A26-35-001	42N	76W	35	4823814N	422376E	1040	9/30/2011	2
A16-01-006	41N	76W	01	4823061N	424567E	1000	9/30/2011	2
A16-02-007	41N	76W	2	4821773N	421982E	1000	10/21/2011	2
A16-01-004	41N	76W	1	4823053N	424396E	1040	9/26/2011	2
A16-01-010	41N	76W	1	4823058N	424597E	1000	10/11/2011	2
A16-01-011	41N	76W	1	4823058N	424647E	1000	10/12/2011	2
A16-01-012	41N	76W	1	4822566N	424739E	900	10/13/2011	2
A16-01-013	41N	76W	1	4823060N	424628E	1000	10/14/2011	2
A16-01-014	41N	76W	1	4822564N	424614E	990	10/18/2011	2
A16-01-015	41N	76W	1	4822096N	424596E	1000	10/15/2011	2
A16-01-016	41N	76W	01	4822564N	424567E	1000	10/20/2011	2
A26-35-002	42N	76W	35	4823835N	423271E	1040	10/3/2011	2
A26-34-014	42N	76W	34	4823840N	420805E	960	10/4/2011	2
A26-34-015	42N	76W	34	4823824N	420945E	960	10/6/2011	2
A26-34-016	42N	76W	34	4823824N	420804E	920	10/11/2011	2
A35-12-058	43N	75W	12	4840247N	434445E	840	7/14/2011	2
A35-12-059	43N	75W	12	4840488N	434617E	820	7/12/2011	2
A35-12-060	43N	75W	12	4840489N	434524E	820	7/14/2011	2
A35-12-061	43N	75W	12	4840246N	434476E	820	7/18/2011	2
A35-12-062	43N	75W	12	4840488N	434568E	820	7/18/2011	2
A35-12-063	43N	75W	12	4840246N	434492E	830	7/19/2011	2
A35-12-064	43N	75W	12	4839561N	434528E	840	7/20/2011	2
A35-12-065	43N	75W	12	4840489N	434540E	810	7/20/2011	2
A35-12-066	43N	75W	12	4841021N	434614E	800	7/22/2011	2
A35-12-067	43N	75W	12	4841034N	434857E	820	7/22/2011	2
A35-12-068	43N	75W	12	4841000N	434548E	800	7/26/2011	2
A35-12-069	43N	75W	12	4841021N	434628E	800	7/25/2011	2
A35-12-070	43N	75W	12	4840755N	434544E	800	7/26/2011	2
A35-12-071	43N	75W	12	4841014N	434583E	790	7/27/2011	2
A35-12-072	43N	75W	12	4840755N	434482E	800	7/28/2011	2
A35-12-073	43N	75W	12	4841007N	434567E	790	7/29/2011	2
A35-12-074	43N	75W	12	4840754N	434514E	790	7/29/2011	2
A35-12-075	43N	75W	12	4840754N	434529E	780	8/1/2011	2
A26-34-017	42N	76W	34	4823826N	420652E	1000	10/13/2011	2
A26-34-018	42N	76W	34	4823832N	420481E	970	10/18/2011	2
A26-34-019	42N	76W	34	4823842N	420652E	860	10/19/2011	2
A26-34-020	42N	76W	34	4823846N	420480E	860	10/20/2011	2
A26-34-021	42N	76W	34	4824049N	420410E	880	10/21/2011	2
A26-34-022	42N	76W	34	4824172N	420388E	960	10/25/2011	2
A26-34-023	42N	76W	34	4824157N	420393E	940	10/26/2011	2
A16-02-027	41N	76W	2	4821790N	423040E	1040	11/29/2011	2
A16-02-016	41N	76W	2	4822044N	422537E	1000	11/7/2011	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A16-02-018	41N	76W	02	4822045N	422414E	1000	11/8/2011	2
A45-25-065	44N	75W	25	4844938N	435047E	680	4/28/2011	2
A45-25-066	44N	75W	25	4844354N	435108E	710	4/28/2011	2
A45-25-067	44N	75W	25	4845078N	434731E	700	4/28/2011	2
A45-25-068	44N	75W	25	4845010N	435180E	680	4/28/2011	2
A45-25-060	44N	75W	25	4844995N	435180E	670	5/5/2011	2
A45-25-069	44N	75W	25	4844952N	435051E	700	5/5/2011	2
A45-25-070	44N	75W	25	4844355N	435083E	710	5/5/2011	2
A45-25-071	44N	75W	25	4844923N	435051E	695	5/5/2011	2
A45-25-072	44N	75W	25	4845028N	435052E	700	5/6/2011	2
A45-25-073	44N	75W	25	4844852N	434316E	710	5/6/2011	2
A45-25-074	44N	75W	25	4844852N	434826E	710	5/6/2011	2
A45-25-075	44N	75W	25	4844708N	434795E	720	5/6/2011	2
A45-25-076	44N	75W	25	4844997N	435056E	700	5/9/2011	2
A45-25-077	44N	75W	25	4844796N	434366E	730	5/9/2011	2
A45-25-078	44N	75W	25	4844755N	434754E	720	5/9/2011	2
A45-25-059	44N	75W	25	4844910N	435034E	720	4/25/2011	2
A45-25-061	44N	75W	25	4844966N	435058E	700	4/26/2011	2
A45-25-062	44N	75W	25	4844355N	435047E	710	4/26/2011	2
A45-25-063	44N	75W	25	4845059N	434736E	700	4/26/2011	2
A45-25-064	44N	75W	25	4845041N	435180E	680	4/26/2011	2
A45-25-079	44N	75W	25	4844840N	434324E	730	5/16/2011	2
A45-25-080	44N	75W	25	4845013N	435055E	700	5/16/2011	2
A45-25-081	44N	75W	25	4844752N	434410E	730	5/16/2011	2
A45-25-082	44N	75W	25	4844510N	434141E	740	5/16/2011	2
A45-25-083	44N	75W	25	4844708N	434452E	740	5/17/2011	2
A45-25-084	44N	75W	25	4844466N	434182E	740	5/17/2011	2
A45-25-085	44N	75W	25	4844379N	434266E	740	5/18/2011	2
A35-12-019	43N	75W	12	4839517N	434774E	880	5/18/2011	2
A35-12-017	43N	75W	12	4839519N	434654E	870	5/17/2011	2
A16-02-020	41N	76W	02	4822044N	422473E	1000	11/9/2011	2
A16-02-022	41N	76W	02	4822044N	422444E	1000	11/10/2011	2
A16-02-023	41N	76W	02	4822290N	422456E	1040	11/11/2011	2
A16-02-024	41N	76W	02	4822045N	422427E	920	11/15/2011	2
A16-02-025	41N	76W	02	4822044N	422458E	920	11/18/2011	2
A16-02-026	41N	76W	02	4822287N	422699E	1040	11/28/2011	2
A16-02-028	41N	76W	02	4822038N	423032E	1040	11/30/2011	2
A15-06-003	41N	75W	06	4822976N	425387E	1040	10/28/2011	2
A15-06-004	41N	75W	06	4823010N	425332E	1040	11/1/2011	2
A16-02-008	41N	76W	02	4822109N	422001E	1000	10/24/2011	2
A16-02-009	41N	76W	02	4822406N	421983E	1000	10/25/2011	2
A16-02-010	41N	76W	02	4822740N	421998E	840	10/26/2011	2
A16-02-011	41N	76W	02	4821794N	422735E	1000	10/27/2011	2
A16-02-012	41N	76W	02	4821788N	422430E	1000	10/28/2011	2
A16-02-013	41N	76W	02	4821796N	422583E	1000	10/31/2011	2
A16-02-014	41N	76W	02	4821794N	423328E	990	11/1/2011	2
A16-02-015	41N	76W	02	4821796N	422598E	960	11/4/2011	2
A16-02-017	41N	76W	02	4821788N	422446E	920	11/7/2011	2
A16-02-019	41N	76W	02	4821796N	422567E	960	11/9/2011	2
A16-02-021	41N	76W	05	4821787N	422461E	920	11/10/2011	2
A35-12-018	43N	75W	12	4840006N	434610E	830	6/1/2011	2
A35-12-020	43N	75W	12	4839518N	434712E	880	6/1/2011	2
A35-12-021	43N	75W	12	4840003N	434489E	830	6/2/2011	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A35-12-022	43N	75W	12	4839518N	434682E	400	6/3/2011	2
A35-12-023	43N	75W	12	4840004N	434367E	830	6/6/2011	2
A35-12-024	43N	75W	12	4839517N	434682E	880	6/3/2011	2
A35-12-025	43N	75W	12	4839826N	434606E	840	6/6/2011	2
A35-12-026	43N	75W	12	4840003N	434427E	820	6/7/2011	2
A35-12-027	43N	75W	12	4839518N	434698E	860	6/7/2011	2
A35-12-028	43N	75W	12	4839847N	434630E	855	6/8/2011	2
A35-12-029	43N	75W	12	4839804N	434581E	840	6/13/2011	2
A35-12-030	43N	75W	12	4839518N	434668E	860	6/14/2011	2
A35-12-031	43N	75W	25	4839866N	434656E	840	6/14/2011	2
A35-12-032	43N	75W	12	4839804N	434520E	840	6/16/2011	2
A35-12-033	43N	75W	12	4840004N	434397E	840	6/15/2011	2
A35-12-034	43N	75W	12	4840004N	434382E	820	6/16/2011	2
A45-25-086	44N	75W	25	4844775N	434387E	740	6/1/2011	2
A45-25-087	44N	75W	25	4844990N	434593E	730	6/1/2011	2
A45-25-088	44N	75W	25	4844602N	435063E	720	6/2/2011	2
A45-25-089	44N	75W	25	4845078N	434515E	740	6/2/2011	2
A45-25-090	44N	75W	25	4844560N	434667E	720	6/3/2011	2
A45-25-091	44N	75W	25	4844787N	434378E	740	6/3/2011	2
A45-25-092	44N	75W	25	4844617N	435062E	720	6/6/2011	2
A45-25-093	44N	75W	25	4845078N	434576E	720	6/6/2011	2
A45-25-094	44N	75W	25	4844768N	435178E	680	6/7/2011	2
A45-25-095	44N	75W	25	4844425N	433763E	740	6/7/2011	2
A45-25-096	44N	75W	25	4844566N	434012E	720	6/13/2011	2
A45-25-097	44N	75W	25	4845138N	434577E	720	6/13/2011	2
A45-25-098	44N	75W	25	4844732N	434773E	720	6/14/2011	2
A45-25-099	44N	75W	25	4844729N	434430E	740	6/14/2011	2
A45-25-100	44N	75W	25	4844744N	434762E	720	6/15/2011	2
A45-25-101	44N	75W	25	4844798N	435178E	680	6/15/2011	2
A45-25-102	44N	75W	25	4844783N	435178E	680	6/16/2011	2
A45-25-103	44N	75W	25	4844740N	434420E	740	6/16/2011	2
A44-30-032	44N	74W	30	4844611N	435291E	680	6/21/2011	2
A44-30-033	44N	74W	30	4844429N	435256E	690	6/21/2011	2
A44-30-034	44N	74W	30	4844445N	435284E	680	6/22/2011	2
A44-30-035	44N	74W	30	4844683N	435307E	680	6/22/2011	2
A44-30-036	44N	74W	30	4844628N	435333E	680	6/23/2011	2
A44-30-037	44N	74W	30	4844672N	435317E	670	6/23/2011	2
A44-30-038	44N	74W	30	4844460N	435263E	680	6/24/2011	2
A44-30-039	44N	74W	30	4844617N	435305E	680	6/24/2011	2
A35-12-076	43N	75W	12	4841017N	434599E	780	8/2/2011	2
A45-25-122	44N	75W	25	4844579N	433751E	760	7/14/2011	2
A45-25-123	44N	75W	25	4844380N	433837E	750	7/14/2011	2
A45-25-124	44N	75W	25	4844595N	433751E	760	7/15/2011	2
A45-25-125	44N	75W	25	4844447N	433635E	760	7/15/2011	2
A45-25-126	44N	75W	25	4844400N	433798E	750	7/18/2011	2
A45-25-127	44N	75W	25	4844422N	434223E	750	7/18/2011	2
A45-25-128	44N	75W	25	4844394N	433813E	750	7/19/2011	2
A45-25-129	44N	75W	25	4844444N	434202E	750	7/19/2011	2
A45-25-130	44N	75W	25	4844388N	433824E	750	7/21/2011	2
A45-25-131	44N	75W	25	4844434N	434212E	750	7/20/2011	2
A35-13-001	43N	75W	13	4838977N	434292E	880	7/25/2011	2
A35-13-002	43N	75W	13	4838292N	434277E	1000	7/26/2011	2
A35-24-001	43N	75W	24	4837629N	434006E	880	7/27/2011	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A35-24-002	43N	75W	24	4837036N	433651E	880	7/28/2011	2
A35-24-003	43N	75W	24	4837544N	434231E	870	7/29/2011	2
A35-24-004	43N	75W	24	4837117N	433459E	900	7/29/2011	2
A35-24-005	43N	75W	24	4837587N	434119E	860	8/1/2011	2
A35-24-006	43N	75W	24	4837070N	433566E	920	8/2/2011	2
A35-24-007	43N	75W	24	4836219N	433516E	880	8/3/2011	2
A35-24-008	43N	75W	24	4837565N	434176E	860	8/2/2011	2
A35-24-009	43N	75W	24	4837056N	433608E	900	8/4/2011	2
A35-24-010	43N	75W	24	4836636N	433468E	980	8/3/2011	2
A35-24-011	43N	75W	24	4836643N	433934E	900	8/4/2011	2
A35-24-012	43N	75W	24	4837287N	433824E	890	8/4/2011	2
A35-24-013	43N	75W	24	4837575N	434148E	860	8/4/2011	2
A35-24-017	43N	75W	24	4836487N	433771E	960	8/11/2011	2
A35-24-018	43N	75W	24	4837279N	433836E	890	8/10/2011	2
A35-24-019	43N	75W	24	4837043N	433636E	880	8/9/2011	2
A35-24-020	43N	75W	24	4837262N	433861E	880	8/11/2011	2
A35-24-021	43N	75W	24	4836439N	433732E	900	8/12/2011	2
A35-24-022	43N	75W	24	4836220N	433748E	920	8/12/2011	2
A35-24-023	43N	75W	24	4836413N	433500E	900	8/12/2011	2
A35-24-024	43N	75W	24	4836370N	433502E	900	8/16/2011	2
A35-24-025	43N	75W	24	4836218N	433623E	900	8/15/2011	2
A35-24-026	43N	75W	24	4836461N	433749E	920	8/16/2011	2
A35-24-027	43N	75W	24	4836322N	433505E	880	8/15/2011	2
A35-24-028	43N	75W	24	4836218N	433680E	880	8/17/2011	2
A35-24-029	43N	75W	24	4836403N	433683E	920	8/17/2011	2
A35-24-030	43N	75W	24	4836335N	433504E	900	8/18/2011	2
A45-25-104	44N	75W	25	4844666N	433885E	720	6/27/2011	2
A45-25-105	44N	75W	25	4844530N	433962E	720	6/27/2011	2
A45-25-106	44N	75W	25	4844530N	433885E	740	6/28/2011	2
A45-25-107	44N	75W	25	4844613N	434628E	680	6/29/2011	2
A45-25-108	44N	75W	25	4844530N	433868E	750	6/29/2011	2
A45-25-110	44N	75W	25	4844530N	433853E	750	6/30/2011	2
A45-25-109	44N	75W	25	4844586N	434647E	740	6/30/2011	2
A35-12-035	43N	75W	12	4839772N	434360E	820	6/21/2011	2
A35-12-036	43N	75W	12	4839683N	434518E	840	6/21/2011	2
A35-12-037	43N	75W	12	4839936N	434632E	820	6/22/2011	2
A35-12-038	43N	75W	12	4839857N	434643E	840	6/23/2011	2
A35-12-039	43N	75W	12	4839622N	434518E	830	6/24/2011	2
A35-12-040	43N	75W	12	4839725N	434440E	650	6/23/2011	2
A35-12-041	43N	75W	12	4839966N	434622E	630	6/24/2011	2
A35-12-042	43N	75W	12	4839577N	434517E	840	6/27/2011	2
A35-12-043	43N	75W	12	4839759N	434406E	640	6/28/2011	2
A35-12-044	43N	75W	12	4839606N	434518E	840	6/28/2011	2
A35-12-045	43N	75W	12	4839979N	434617E	630	6/29/2011	2
A35-12-046	43N	75W	12	4839785N	434390E	615	6/29/2011	2
A35-12-047	43N	75W	12	4839994N	434614E	630	6/30/2011	2
A35-12-048	43N	75W	12	4839758N	434372E	620	7/1/2011	2
A35-12-049	43N	75W	12	4839804N	434550E	840	7/1/2011	2
A35-12-050	43N	75W	12	4839516N	434515E	840	7/5/2011	2
A35-12-051	43N	75W	12	4840247N	434385E	820	7/5/2011	2
A35-12-052	43N	75W	12	4839546N	434515E	840	7/6/2011	2
A35-12-053	43N	75W	12	4839518N	435142E	930	7/7/2011	2
A35-12-054	43N	75W	12	4840245N	434568E	860	7/8/2011	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A35-12-055	43N	75W	12	4840489N	434450E	840	7/8/2011	2
A35-12-056	43N	75W	12	4840246N	434506E	840	7/11/2011	2
A35-12-057	43N	75W	12	4840488N	434632E	240	7/11/2011	2
A45-25-111	44N	75W	25	4844530N	433838E	750	7/1/2011	2
A45-25-112	44N	75W	25	4844432N	433636E	760	7/1/2011	2
A45-25-113	44N	75W	25	4844610N	433751E	750	7/6/2011	2
A45-25-114	44N	75W	25	4844554N	433636E	780	7/5/2011	2
A45-25-115	44N	75W	25	4844530N	433822E	750	7/6/2011	2
A45-25-116	44N	75W	25	4844490N	433635E	760	7/7/2011	2
A45-25-117	44N	75W	25	4844377N	433990E	740	7/7/2011	2
A45-25-118	44N	75W	25	4844530N	433807E	760	7/8/2011	2
A45-25-119	44N	75W	25	4844580N	433719E	780	7/8/2011	2
A45-25-120	44N	75W	25	4844378N	433898E	750	7/11/2011	2
A45-25-121	44N	75W	25	4844460N	433635E	760	7/11/2011	2
A35-25-001	43N	75W	25	4835977N	433516E	840	8/16/2011	2
A35-25-002	43N	75W	25	4835962N	433512E	840	8/18/2011	2
A35-25-003	43N	75W	25	4835995N	433519E	800	8/19/2011	2
A35-25-004	43N	75W	25	4835734N	433511E	900	8/22/2011	2
A35-25-005	43N	75W	25	4836056N	433520E	830	8/23/2011	2
A35-24-014	43N	75W	24	4837048N	433623E	900	8/5/2011	2
A35-24-015	43N	75W	24	4837581N	434135E	860	8/8/2011	2
A35-24-016	43N	75W	24	4837268N	433849E	900	8/8/2011	2
A16-01-017	41N	76W	1	4821888N	423579E	1110	7/2/2012	2
A16-02-075	41N	76W	2	4822667N	422766E	915	6/29/2012	2
A16-02-067	41N	76W	02	4822835N	422324E	940	6/21/2012	2
A16-02-068	41N	76W	02	4822655N	422723E	980	6/20/2012	2
A16-02-066	41N	76W	02	4822662N	422527E	980	6/19/2012	2
A16-02-065	41N	76W	02	4822656N	422633E	1000	6/18/2012	2
A16-02-063	41N	76W	02	4822879N	422518E	930	6/15/2012	2
A16-02-064	41N	76W	02	4822832N	422417E	980	6/14/2012	2
A16-02-062	41N	76W	02	4822846N	422509E	940	6/14/2012	2
A16-02-061	41N	76W	02	4822832N	422372E	960	6/13/2012	2
A16-02-055	41N	76W	02	4822860N	422518E	930	6/12/2012	2
A16-02-060	41N	76W	02	4822836N	422254E	1000	6/11/2012	2
A16-02-029	41N	76W	02	4822177N	422426E	1300	4/23/2012	2
A16-02-030	41N	76W	02	4821803N	422839E	1250	4/24/2012	2
A16-02-031	41N	76W	02	4822014N	422553E	1000	4/25/2012	2
A16-02-032	41N	76W	02	4822420N	422439E	950	5/2/2012	2
A16-02-033	41N	76W	02	4822092N	422443E	990	4/27/2012	2
A16-02-034	41N	76W	02	4821807N	422777E	1000	4/30/2012	2
A16-02-035	41N	76W	02	4821780N	422493E	950	5/1/2012	2
A16-02-036	41N	76W	02	4821799N	422762E	1000	5/3/2012	2
A16-02-037	41N	76W	02	4821990N	422746E	1000	5/4/2012	2
A16-02-038	41N	76W	02	4821794N	422478E	900	5/8/2012	2
A16-02-039	41N	76W	02	4821791N	422186E	1150	5/10/2012	2
A16-02-041	41N	76W	02	4821799N	422777E	900	5/7/2012	2
A16-02-042	41N	76W	02	4822005N	422540E	950	5/9/2012	2
A16-02-043	41N	76W	02	4821990N	422687E	960	5/14/2012	2
A16-02-044	41N	76W	02	4822090N	422566E	960	5/11/2012	2
A16-02-045	41N	76W	02	4822831N	422509E	940	5/15/2012	2
A16-02-046	41N	76W	02	4821795N	422677E	960	5/14/2012	2
A16-02-059	41N	76W	02	4822893N	422517E	930	6/8/2012	2
A16-02-070	41N	76W	02	4822672N	422786E	910	6/22/2012	2

Table JD-D6I.1-1. JANE DOUGH CURRENT EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
A16-02-069	41N	76W	02	4822659N	422511E	980	6/22/2012	2
A16-02-071	41N	76W	02	4822811N	422675E	980	6/25/2012	2
A16-02-073	41N	76W	02	4822663N	422751E	910	6/26/2012	2
A16-02-072	41N	76W	02	4822654N	422494E	910	6/28/2012	2
A16-02-074	41N	76W	02	4822981N	422672E	960	6/28/2012	2
A16-01-020	41N	76W	01	4821956N	424993E	1200	7/10/2012	2
A16-01-019	41N	76W	01	4821892N	424238E	1150	7/9/2012	2
A16-02-076	41N	76W	02	4822440N	423515E	1030	7/5/2012	2
A16-01-018	41N	76W	01	4821882N	423914E	1110	7/3/2012	2
A16-02-053	41N	76W	02	4821925N	422438E	960	5/30/2012	2
A16-02-054	41N	76W	02	4821793N	422721E	980	5/29/2012	2
A16-02-051	41N	76W	02	4821975N	422679E	960	5/23/2012	2
A16-02-047	41N	76W	02	4821797N	422704E	980	5/21/2012	2
A16-02-057	41N	76W	02	4821932N	422422E	980	6/1/2012	2
A16-02-048	41N	76W	02	4821788N	422416E	900	5/31/2012	2
A16-02-050	41N	76W	02	4822816N	422509E	890	5/17/2012	2
A16-02-049	41N	76W	02	4822112N	422671E	970	5/17/2012	2
A16-02-052	41N	76W	02	4822825N	422491E	940	6/5/2012	2
A16-02-058	41N	76W	02	4822810N	422735E	1000	6/7/2012	2
A16-02-056	41N	76W	02	4821926N	422456E	940	6/4/2012	2
A16-11-001	41N	76W	11	4821278N	423245E	1100	7/12/2012	2
A16-12-003	41N	76W	12	4820574N	424198E	1050	7/16/2012	2
A16-11-002	41N	76W	11	4820722N	423347E	1000	7/11/2012	2
A16-12-001	41N	76W	12	4820581N	423588E	1050	7/13/2012	2
A16-12-002	41N	76W	12	4820578N	423893E	1150	7/17/2012	2
A16-12-004	41N	76W	12	4820588N	424803E	1120	7/18/2012	2
A15-06-009	41N	75W	06	4821735N	426345E	1050	7/31/2012	2
A15-06-010	41N	75W	06	4821736N	425414E	1100	8/1/2012	2
A15-06-011	41N	75W	06	4821737N	425443E	1080	8/2/2012	2
A15-06-012	41N	75W	06	4821755N	426023E	1000	8/6/2012	2
A15-06-013	41N	75W	06	4821737N	425399E	1070	8/7/2012	2
A15-06-014	41N	75W	06	4821736N	425579E	1090	8/8/2012	2
A15-06-016	41N	75W	06	4821832N	425206E	1050	8/10/2012	2
A15-06-015	41N	75W	06	4821739N	425431E	1100	8/9/2012	2
A15-06-018	41N	75W	06	4821938N	425411E	1140	8/14/2012	2
A15-06-017	41N	75W	06	4821736N	425655E	1070	8/13/2012	2
A15-06-019	41N	75W	06	4821732N	425712E	1080	8/20/2012	2
A15-06-020	41N	75W	06	4821938N	425472E	1060	8/21/2012	2
A15-06-021	41N	75W	06	4821732N	425669E	1080	8/22/2012	2
A15-06-022	41N	75W	06	4821739N	425870E	1080	8/23/2012	2
A15-06-023	41N	75W	06	4821938N	425441E	1100	8/24/2012	2
A15-06-024	41N	75W	06	4821736N	425724E	1040	8/27/2012	2
A15-06-025	41N	75W	06	4821975N	425715E	1030	8/28/2012	2
A15-06-026	41N	75W	06	4821739N	425930E	1010	8/29/2012	2
A15-06-027	41N	75W	06	4821738N	425974E	1040	8/30/2012	2
A15-06-005	41N	75W	06	4821732N	425738E	1100	7/25/2012	2
A16-01-022	41N	76W	01	4821952N	424978E	1120	7/25/2012	2
A15-06-006	41N	76W	06	4823027N	425278E	1056	7/24/2012	2
A15-06-007	41N	75W	06	4821741N	425433E	920	7/30/2012	2
A15-06-028	41N	75W	06	4821738N	425959E	1000	8/31/2012	2
A16-01-021	41N	76W	02	4821955N	425008E	1120	7/20/2012	2
A15-06-008	41N	75W	06	4823008N	425299E	1050	7/27/2012	2

Table JD-D6I.1-2. JANE DOUGH HISTORIC EXPLORATION DRILL HOLES

Hole #	Township	Range	Section	Northing	Easting	Total Depth	Date Logged	Abandonment Method
CCI-10	43	76	21	15869101.07	1379324.149	797	5/24/1972	1
CCI-11	43	76	21	15868379.29	1379222.443	683	5/25/1972	1
CCI-12	43	76	21	15867280.21	1379101.052	792	5/30/1972	1
CCI-13	43	76	21	15868084.01	1378959.976	663	5/30/2007	1
CCI-14	43	76	21	15868087.29	1378710.632	999	5/30/1972	1
CCI-15	43	76	21	15868090.58	1378307.089	679	5/30/1972	1
CCI-16	43	76	21	15868100.42	1377506.564	756	6/7/1972	1
CCI-17	43	76	21	15868490.84	1378313.65	681	6/7/1972	1
CCI-18	43	76	21	15868500.68	1377509.845	806	6/7/1972	1
CCI-19	43	76	21	15868494.12	1377910.107	770	6/7/1972	1
CCI-20	43	76	21	15868900.94	1377312.994	797	6/8/1972	1
CCI-21	43	76	21	15868897.66	1377716.538	716	6/8/1972	1
CCI-22	43	76	21	15869307.77	1376919.293	754	6/8/1972	1
CCI-23	43	76	21	15868907.5	1376912.732	807	6/8/1972	1
CCI-24	43	76	21	15869301.21	1377319.556	811	6/8/1972	1
CCI-25	43	76	21	15869711.31	1376502.627	688	6/8/1972	1
CCI-26	43	76	21	15869701.47	1377322.837	713	6/8/1972	1
CCI-27	43	76	21	15870114.85	1376125.33	688	6/8/1972	1
CCI-28	43	76	21	15870121.42	1375725.068	796	6/9/1972	1
CCI-29	43	76	21	15869698.19	1377726.38	810	6/9/1972	1
CCI-30	43	76	21	15870521.68	1375728.349	806	6/9/1972	1
CCI-31	43	76	21	15870098.45	1377529.53	685	6/9/1972	1
CCI-32	43	76	21	15869334.01	1374711.288	939	10/3/1979	1
CCI-33	43	76	21	15868116.82	1376138.454	802	3/6/1979	1
CCI-6	43	76	21	15867611.57	1379081.367	818	6/4/1970	1
CCI-7	43	76	21	15869284.8	1378723.755	688	5/24/1972	1
CCI-8	43	76	21	15868891.1	1378316.931	679	5/24/1972	1
CCI-9	43	76	21	15868884.54	1378720.475	683	5/24/1972	1
R1	43	76	21	15869271.68	1375685.698	0		1
R2	43	76	21	15869268.4	1375784.123	0		1
R3	43	76	21	15869271.68	1375593.834	0		1
R4	43	76	21	15869455.4	1375439.635	0		1
R6	43	76	21	15869022.33	1375793.965	0		1
TE-1	43	76	21	15867965.9	1377434.385	649		1
TE-10	43	76	21	15870334.67	1374373.362	835		1
TE-11	43	76	21	15867552.52	1376850.396	663		1
TE-12	43	76	21	15869698.19	1377286.748	831		1
TE-13	43	76	21	15868070.89	1378254.595	831		1
TE-2	43	76	21	15868517.08	1377457.351	816		1
TE-3	43	76	21	15868067.61	1377480.317	819		1
TE-4	43	76	21	15868533.49	1377355.645	652		1
TE-5	43	76	21	15868418.66	1378241.472	821		1
TE-6	43	76	21	15867890.44	1378707.351	821		1
TE-7	43	76	21	15868389.13	1378162.732	822		1
TE-8	43	76	21	15868031.52	1377434.385	830		1
TE-9	43	76	21	15868339.92	1378182.417	831		1

ADDENDUM JD-D6J:

AQUIFER-TEST THEORY

April 2014

AQUIFER-TEST THEORY ADDENDUM JD-D6J

TABLE OF CONTENTS

JD-D6J.1 AQUIFER-TEST THEORY

In order to determine fluid movement through an aquifer, a number of characteristics must be taken into account. Transmissivity is defined as the ability of an aquifer to transmit water and is usually expressed as gallons per day per foot (gal/day/ft). Transmissivity, expressed in these units, is the rate at which water flows through a unit width of an aquifer under a unit hydraulic gradient[2]. Transmissivity must be adjusted by the actual aquifer width and hydraulic gradient to determine actual aquifer flow rates.

Horizontal hydraulic conductivity (permeability) of the aquifer is the transmissivity divided by the aquifer thickness. Permeability is the main parameter that governs the velocity of groundwater movement. Hydraulic gradient and effective porosity are also needed with permeability to determine the velocity.

The storage coefficient, as defined by Theis, is the volume of water an aquifer releases from or takes into storage per unit surface area of the aquifer per unit change in head. The storage coefficient is dimensionless. An unconfined aquifer derives water from compression of the aquifer and expansion of the water.

JD-D6J.1.1 THEIS EQUATION

Theis, in 1935, introduced his equation to determine drawdowns in a non-leaky, confined aquifer. The following is a general definition of the Theis equation:

$$T = \frac{114.6Q\ W(u)}{s}$$

$$u = \frac{2693r^2S}{Tt}$$

where: s = drawdown, in feet
Q = discharge, in gallons per minute (gpm)
W(u) = well function, the integral from u to infinity of $(e^{-u})/u\ du$
T = Transmissivity
u = well function variable
r = observation well radius from pumping well, in feet
S = storage coefficient
and t = time since pumping started, in minutes

Pump test data are analyzed by matching the log-log plot of drawdown versus time to Theis' type curve [W(u) vs. 1/u] and applying the above equations to the match[3].
The value of the integral expression for W(u) is given by the following series:

$$W(u) = -0.577216 - \ln u + u - \frac{u^2}{2.2!} + \frac{u^3}{3.3!} \ldots$$

where all terms are as previously defined.

JD-D6J.1.1.1 STRAIGHT LINE EQUATION

Jacob developed a simplified form of Theis' drawdown equation by truncating the well function series after the first two terms. Assuming the truncation, the following equations were developed to analyze drawdown versus time data on semi-log plots and are called the straight-line or Jacob equation:

$$T = 264\ Q[\log (t_2/t_1)]/(s_2-s_1)$$
$$T = 264\ Q/\Delta s$$
$$S = T\ t_o/4800r^2$$

s_1 = drawdown, in feet, at time since pumping started, t_1, in minutes
s_2 = drawdown, in feet, at time since pumping started, t_2, in minutes
and $t_2 > t_1$
Δs = change in drawdown over one log cycle of time on a semi-log Plot, in feet
S = storage coefficient
t_o = straight-line intercept of zero drawdown, in minutes
r = radius of well, in feet

A straight line is fitted to the semi-log plot of drawdown versus time (log scale) to obtain transmissivity. Jacob suggested the u values less than 0.01 are needed before his straight-line method is useful. However, a plot of W(u) versus 1/u on semi-log paper indicates that this method should be applicable for values of u as large as 0.1. Kruseman and de Rider (1991) suggest the use of a u of less than 0.1 to meet the Jacob condition[4].

JD-D6J.1.1.2 THEIS RECOVERY EQUATION

Theis' equation can be modified to handle recharge of a well or multiple pumping periods by summation of the well functions. The following equation is the solution of Theis' equation for one pumping and recharge cycle (Recovery equation) of a non-leaky confined aquifer using a log-log match format:

$$T = 114.6\ Q\ [W(u) - W(u')]s'$$
$$u^1 = 2693\ r^2\ S/Tt'$$
$$T = 114.6\ Q\ [W(u) - W(u) + W(u')]\ sr$$
$$= 114.6\ Q\ W(u')/sr$$
$$s_r = s - s'$$

where: s_r = recovery, in feet

s' = residual drawdown (static water level – water level @ t'), in feet

W(u') = recovery well function
u' = recovery well function variable
t' = time since pumping stopped, in minutes

The recovery data sets are analyzed by matching the log-log plot of the recovery versus time since pumping stopped to Theis' type curve. The type curve variables are W(u') and 1/u' for the recovery match. The recovery is computed by estimating the drawdown which would have occurred if pumping had continued, and subtracting this predicted drawdown from the residual drawdown. For example, the recovery at 100 minutes after pumping has stopped is computed by estimating the drawdown had the pumping continued uninterrupted, and subtracting the estimated drawdown from the residual drawdown. The straight-line fit of the drawdown is normally extended to obtain these estimates of drawdown.

The well functions of the residual-drawdown form of Theis' equation were approximated by using the first two terms in the well function series. The following equations present the semi-log form of the Theis recovery equation:

$$T = 264\ Q\ [\log (t/t')]/s'$$

or

$$T = 264\ Q/\Delta s'$$

where: t = time since pumping started, in minutes
t' = time since pumping stopped, in minutes
s' = residual drawdown, in feet
and $\Delta s'$ = change in residual drawdown over one log cycle of t/t' on a semi-log plot, in feet

Therefore, when residual drawdown is plotted on an arithmetic scale versus t/t' on a logarithmic scale, the above equation can be used for the straight line fit[5]. The Theis equations were used to analyze data from the PW1 test.

JD-D6J.1.1.3 MULTI-WELL THEIS EQUATION

The Theis equation can be modified to predict drawdown from more than one pumping well. Stallman[6] used the well function summation theory to develop type curves for a variable discharge pump test. HYDRO has used the well summation theory to analyze numerous pump tests with more than one pumping well. The sum of the W(u) times Q values that are plotted versus $1/u_1$, on log-log paper to create the type curves. The following equations are for two pumping wells that start pumping at the same time:

$$T = 114.6/s\ [W(u_1)Q_1 + W(u_2)Q_2]$$

$$W(u1) = -0.577216 - \ln u_1 + u_1 - u_1^2/2.2! + u_1^3/3.3! - u_1^4/4.4!$$

$$u_1 = 1.87 r_1^2 S/Tt$$

where: parameters are the same as before, plus:

u_1 = well function variable for pumping well 1
u_2 = well function variable for pumping well 2
Q_1 = discharge for pumping well 1, in gpm
Q_2 = discharge for pumping well 2, in gpm

r_1 = observation well radius from pumping well 1, in ft.
r_2 = observation well radius from pumping well 2, in ft.

The summation of the product of the well functions and their corresponding discharge

$$(\sum_{i=1} [W(ui)Qi])$$

are plotted against the inverse of the well function variable for the first pumping well (1/u1). If the discharge for each pumping well is the same, Q can be extracted from the summation term and taken as constant.

$$\frac{114.6Q}{s}\sum_{i=1}^{2} W(u_i)$$

The log-log plot of drawdown versus time for each observation well is then matched to its individual type curve to obtain the aquifer properties.

JD-D6J.1.1.4 MULTI-WELL STRAIGHT-LINE EQUATION

The above Theis equation for two pumping wells can be modified using Jacob's approximation (see pp. 98-100 of Ferris, 1962) to obtain a straight-line (semi-log plot) for the drawdown data from two pumping wells. The u value of all wells must meet the straight-line assumptions before the straight-line method is applicable for the combined drawdown. An adequate straight-line will be developed at some observation wells early in the test when only the close pumping well has an influence. As with the single-well tests, u values should be less than 0.1 before the use of the straight-line method. The following is the derivation of the straight-line equation that is equivalent to Jacob's equation for two pumping wells at the same pumping rate:

$$s = \left(\frac{264Q}{T}\right)\left[\log\left(\frac{0.3Tt}{r_1^2 S}\right) + \log\left(\frac{0.3Tt_a}{r_2^2 S}\right)\right]$$

For drawdown at times of t_a and t_b:

$$s_b - s_a = \left(\frac{264Q}{T}\right)\left[\log\left(\frac{0.3Tt_b}{r_1^2S}\right) + \log\left(\frac{0.3Tt_b}{r_2^2S}\right) - \log\left(\frac{0.3Tt_a}{r_1^2S}\right) - \log\left(\frac{0.3Tt_a}{r_2^2S}\right)\right]$$

after multiplication and simplification of the log terms:

$$s_b - s_a = \frac{264Q}{T}\left[\log\left(\frac{t_b^2}{t_a^2}\right)\right]$$

$$s_b - s_a = \frac{264Q}{T}\left[\log\left(\frac{t_b}{t_a}\right)\right]$$

$$T = \frac{264Q(2)}{\Delta s} \text{ for } \Delta s = s_b - s_a \text{ for one log cycle}$$

The straight line equation is the same as the Jacob equation except the numerator is multiplied by two. The following is our derivation of the storage coefficient equation for two pumping wells starting at the same time:

$$s = o = \left(\frac{Q}{4\pi T}\right)\left[\ln\left(\frac{2.25Tt_o}{r_a^2S}\right) + \ln\left(\frac{2.25Tt_o}{r_b^2S}\right)\right]$$

$$o = \ln\left[\left(\frac{2.25Tt_o}{r_a^2S}\right)\left(\frac{2.25Tt_o}{r_b^2S}\right)\right]$$

$$1 = \left(\frac{2.25Tt_o}{S}\right)^2\left(\frac{1}{r_a^2r_b^2}\right)$$

$$S^2 = \left(\frac{2.25Tt_o}{(r_ar_b)}\right)^2$$

$$S = \left(\frac{2.25Tt_o}{(r_ar_b)}\right)$$

or in the usual USGS units

$$S = \frac{(0.3Tt_o)}{(r_ar_b)}$$

where: parameters are the same as before, plus:

s_b = drawdown, in feet, at time since pumping started, t_b, in days
s_a = drawdown, in feet, at time since pumping started, t_a, in days
t_o = time when drawdown equals zero (extension of straight-line fit to s = 0), in days

The drawdown data for an observation well are plotted on semi-log paper against times since the two wells began pumping. The slope of the straight-line fit is used with the discharge to compute the transmissivity, and the intercept of the straight line is used with the well radii to compute the storage coefficient. The multi-well equations were used to analyze data from the test in which both B12 and B14 were pumped.

JD-D6J.1.2 HANTUSH'S MODIFIED METHOD

Hantush (1960) presents a modification of the theory of leaky confined aquifers which had previously been described by Hantush and Jacob (1955). The modification took into account the storage of water in the semipervious confining bed. Equations developed are as follows:

$$T = \frac{114.6Q}{s} H(u, BETA)$$

where: H(u, BETA) = the integral from u to infinity of (e^-y)/y [complementary error of the function of (BETA/Square Root U) / Square Root (y(y-u))]dy

u = [(2693)r^2(S)]/Tt

And BETA = r/4b Square Root (K' Ss' / K Ss)

The main parameters are as follows:

T = transmissivity, gal/day/ft.
Q = discharge, gpm
s = drawdown, ft.
y = variable of integration
r = radius, ft.
S = storage coefficient
t = time, min.
b = aquifer thickness, ft.
K = aquifer permeability, ft/day
K' = confining layer permeability, ft/day
Ss = aquifer specific storage, 1/ft.
and Ss' = confining layer specific storage, 1/ft.

This form of the beta equation assumes all leakage is coming from only one of the two confining layers. Hantush (1961) presented tabulations of H(u, BETA) for varying values of u and BETA, and subsequently, a family of type curves showing H(u, BETA) vs. 1/u has been developed. Main aquifer properties can be determined by matching plots of observed drawdown versus time data to one of Hantush's type curves and using the equations presented above. The specific storage of the confining layer can be determined from laboratory measurements of the coefficient of compressibility and void ratio on a core of the aquitard (see Section F.4). The specific storage of the aquifer if the laboratory measurements are not available.

JD-D6J.1.3 NEUMAN-WITHERSPOON METHOD

A method for determining aquitard vertical permeability has been described by Neuman and Witherspoon (1971) and Neuman and Witherspoon (1972). In this technique, referred to as the Ratio Method, the ratio of drawdown in the aquitard to the drawdown in the pumped aquifer at the same time distance is related to a dimensionless time parameter, t'D:

$$t'D = K't / Ss\ z^2$$

where: K' = aquitard vertical permeability
t = time for which drawdown ration was determined
Ss' = specific storage of the aquitard
= K' / ALPHA'
ALPHA = aquitard diffusivity,
and z = vertical distance from the center of the screened section of the well completed in the aquitard to the aquifer.

t'D is determined graphically. Therefore, aquitard diffusivity (ALPHA') can be calculated from $ALPHA' = K' / Ss' = T'D\ Z^2 / t$.

In order to determine aquitard specific storage, Ss', must be ascertained.

$$Ss' = avWw / (1 + e)$$

where: av = coefficient of compressibility
Ww = weight of water,
and e = void ratio

The values of av and e must be determined on samples of the aquitard in the laboratory or Ss' may be estimated based on published reports on similar sediments.

JD-D6J.1.4 DIRECTIONAL TRANSMISSIVITY

Directional transmissivity of the aquifer was quantified using a method described by Papadopulos (1965). Papadopulos derived an equation for the drawdown distribution around a well discharging at a constant rate from an infinite horizontal anisotropic aquifer. Aquifer-test data from a minimum of three observation wells are analyzed to obtain principal transmissivities and the orientation of the principal axes.

The equations derived by Papadopulos for use in a type-curve matching technique are as follows:

$$s = \frac{114.6Q\ W(Uxy)}{\left[(Txx)(Tyy) - Txy^2\right]^{1/2}}$$

and

$$Uxy = \frac{(1.87S)}{(t)} \frac{\left[(Txx)(y^2) + (Tyy)(x^2) - (2Txy)(x)(y)\right]}{\left[(Txx)(Tyy) - Txy^2\right]}$$

where s = drawdown, in feet
Q = discharge, in gpm
W(Uxy) = well function
Txx, Tyy & Txy = transmissivity components, in gal/day/ft
Uxy = well function variable
S = storage coefficient
t = elapsed time, in days
x = distance from pumping well of observation well along arbitrarily selected x-axis, in feet
and y = distance from pumping well of observation well along arbitrarily selected y-axis (orthogon l to x-axis), in feet

For each of the three wells analyzed, observed drawdown data are matched against type curves to determine values of s, t, W(Uxy) and U(xy). Three equations with three unknowns are then solved simultaneously to determine the transmissivity components Txx, Tyy and Txy. Then principal transmissivities, Tee and Tnn, are calculated from the following equations:

$$Tee = \tfrac{1}{2}\left[(Txx + Tyy) + (Txx - Tyy)^2 + 4Txy^2\right]$$

and

$$Tnn = \tfrac{1}{2}\left[(Txx + Tyy)^2 + 4Txy^2\right]$$

where: Tee = maximum transmissivity
and Tnn = minimum transmissivity

The angle between the arbitrarily selected x-axis and the axis of maximum transmissivity (θ) is then determined by the following equation:

$$\theta = \arctan(Tee - Txx)/Txy$$

JD-D6J.1.5 NEUMAN EQUATION

Theis' equation with Jacob's (1944) correction for aquifer thinning has been used to extensively analyze unconfined aquifer tests. However, this equation does not take into account the free surface boundary of the water table. Theories of unconfined aquifers are more complicated than the Theis equation due to the moving boundary at the phreatic surface. Boulton (1954) presented an unconfined flow equation for drawdown at the free surface. This equation has not been used very extensively, because drawdowns at the phreatic surface and from a well which fully penetrates the aquifer are considerably different. Stallman (1963, 1965) developed type curves for an unconfined aquifer from an electric analog, but these curves have not been used extensively because they are for limited well conditions. Dagan (1967) and Neuman (1972, 1974) have developed computer programs which compute type curve values for unconfined aquifer conditions. Neuman showed that unconfined aquifers have some storage from compression of the aquifer structure and the expansion of the fluid. His equation, therefore, has both a storage coefficient and a specific yield term. Dagan's equation considers only the specific yield for storage. All of these unconfined aquifer equations produce equal type curves for the same conditions except Neuman's curves, which depart from the other curves at early pumping times. Unconfined aquifers which demonstrate the confining effect normally have a flat drawdown curve after the confined portion of the drawdown curve. Finally, the drawdown curve returns to a Theis type drawdown curve. Neuman (1974) and Dagan (1967) have demonstrated that the flat portion of the drawdown curve is due to the vertical flow effects. This flat portion of the drawdown curve will be more obvious as the anisotropic ration (vertical permeability divided by horizontal permeability) decreases.

Development of Neuman (1974) type curves requires execution of a computer program for each individual pump test. Streltsova (1972, 1973) developed an approximation of the vertical flow equation and has shown this approximation is the same as Boulton's (1963) flow equation. Streltsova's approximation allows Boulton's type curves to be used to analyze an unconfined aquifer with consideration of vertical flow, if all wells are fully penetrating. Penetration (the length of the well bore where water enters) of the pumping and observation wells is significant for the pump tests conducted in this investigation. The confining effects of the unconfined aquifer is also important for matching the early drawdown data. Therefore, only Neuman's (1974) method will be further discussed.

Neuman (1974) presents the theory of his unconfined flow equation which is used in the development of Neuman type curves using a computer program. The following is a form of Neuman's unconfined aquifer equation:

$$T = 114.6\,(Q)\,(s_D/s)$$
$$S_y = Tt/\{10{,}770\,(r^2)(t_y)\}$$
$$\beta = (r^2/D^2)(K_v/K_h)$$
$$\alpha = S/S_y$$

where: all terms are the same as previously defined, plus

s_D = dimensionless drawdown (same as well function in Theis equation, except it accounts for penetration and two storage terms)

t_y = dimensionless time (same as 0.25 (1/u) in Theis' equation)

D = aquifer thickness, in feet
S_y = specific yield
K_v = vertical permeability, in feet/day
K_h = horizontal permeability, in feet/day

This basic form of the Neuman is used with the geometric setting of the pumping and observation wells and penetration information in the computer program to produce dimensionless drawdown (s_D) versus dimensionless time (t_y) data points for different β (BETA) and α (ALPHA) conditions. Figure J-1 presents the variables used to define well penetrations. The pumping well penetrations are defined by two variables and the observation well's penetration can be defined by two variables which define the top and bottom of the observation well perforation. It can be shown that most observation wells can be represented by a piezometer at the center ZD of the perforated interval without introducing significant errors. The radius of the observation well from the pumping well and the aquifer thickness are included in the BETA term. This term is typically varied for different anisotropic ratios (K_v/K_h). Neuman (1975) recommends the use of a small ALPHA (S/S_y) value for the computer development of the type curves and then adjusting the ALPHA as outlined by Neuman (1975) to obtain the ALPHA value that best fits the observed data.

Neuman's or Dagan's equations do not account for aquifer thinning. Therefore, Jacob's (1944) correction for aquifer thinning is recommended for pump test analyses with these theories also. Pump test data are analyzed by matching the log-log plot of drawdown versus time to Neuman's type curve (s_D vs. t_y) and applying the above equation to the match.

Jacob's straight-line method can be used to analyze drawdown in unconfined aquifers, but the u value is not the only criterion to determine if this method is applicable. A semi-log plot of Neuman's type curves are presented in Figure 2 of Neuman (1975) to demonstrate the applicability of using the straight-line plot to determine transmissivity for unconfined aquifers. Early- and late-time portions of the Theis equation, which form a straight-line, are shown as a solid line on this plot. The straight-line method should yield an accurate transmissivity when the Neuman type curves converge with solid lines. The specific yield value could be in error, however, because partial penetration can cause the late straight line to be shifted parallel to the Theis straight line.

The slope of the straight line from a Neuman type curve is likely to be different from the slope of the Theis straight line. The Theis straight line coefficient of 264 needs to be adjusted to account for the variation in slopes. Therefore, the straight line coefficient adjustment should be made to account for the Neuman unconfined flow theory for the semi-log plots.

JD-D6J.1.6 REFERENCES

Boulton, N.S., 1954, The Drawdown of the Water Table Under Non-Steady Conditions Near a Pumped Well in an Unconfined Formation, Proc. Instn. Civ. Engr., V3, N3.

Boulton, N.S., 1963, Analysis of Data from Non-Equilibrium Pumping Tests Allowing for Delayed Yield from Storage, Proc. Instn. Civ. Engr., V.26.

Dagan, G., 1967, A Method of Determining the Permeability and Effective Porosity of Unconfined Anisotropic Aquifers, Water Resour. Res., V3, N4.

Ferris, J.G., D.B. Knowles, R.H. Brown, and R.W. Stallman, 1962, Theory of Aquifer Tests, U.S. Geological Survey, Water-Supply Paper 1536-E.

Hantush, M.S., and C.E. Jacob, 1955, Nonsteady radial flow in an infinite leaky aquifer: Am. Geophys. Union Trans., V. 36, No. 1, p. 95-100.

Hantush, M.S., 1960, Modification of the theory of leaky aquifers: Jour. Geophys. Research, V. 65, No. 11, p. 3713-3725.

Hantush, M.S., 1961, Tables of the Function H (u, BETA): New Mexico Inst. Mining and Technology, Prof. Paper 103, 14p.

Jacob, C.E., 1944, Notes on determining permeability of pumping tests under water-table conditions, U.S. Geol. Survey, open-file report.

Kruseman, G.P. and N.A. de Rider, 1991, Analysis and Evaluation of Pumping Test Data, Publication 47, International Institute for Land Reclamation and Improvement, The Netherlands.

Neuman, S.P., and P.A. Witherspoon, 1971, Flow in multiple aquifer systems, Chap. IV, in Sea-Water Intrusion: Aquitards in the Ground Water Basin of Oxnard Plain, Ventura County, Bulletin No. 63-4, State of California Dept. of Water Resources and Univ. of California, Dept. of Civil Engineering, Geotechnical Engineering, Berkeley, California.

Neuman, S.P., and P.A. Witherspoon, 1972, Field determination of the hydraulic properties of leaky multiple aquifer systems: Water Res. Research, Vol. 8, No. 5, p. 1284-1296.

Neuman, S.P., 1972, Theory of Flow in Unconfined Aquifers Considering Delayed Response of the Water Table, Water Resour. Res., V8, N4.

Neuman, S.P., 1974, Effect of Partial Penetration on Flow in Unconfined Aquifers Considering Delayed Gravity Response, Water Resour. Res., V.11, N2.

Neuman, S.P., 1975, Analysis of Pumping Test Data from Anisotropic Unconfined Aquifers Considering Delayed Gravity Response, Water Resour. Res., V.11(2).

Papadopulos, I.S., 1965, Nonsteady flow to a well in an infinite anisotropic aquifer, International Association of Scientific Hydrology, Symposium of Dubrovnik.

Stallman, R.W., 1963, Electric Analog of Three-dimensional Flow to Wells and its Application to Unconfined Aquifers, U.S. Geological Survey, Water-Supply Paper 1536-H.

Stallman, R.W., 1965, Effects of Water-Table Conditions on Water-Level Changes Near Pumping Wells, Water Resour. Res., V1, N2.

Streltsova, T.D., 1972, Unsteady Radial Flow in an Unconfined Aquifer Under Non-Steady Conditions, Water Resour. Res., V9, N1.

ADDENDUM JD-D6K:

PUMP TEST SOP

April 2014

Table of Contents

List of Tables

Attachments

Acronyms and Abbreviations

°C	degrees Celsius
bgs	below ground surface
cfs	cubic feet per second
EPA	Environmental Protection Agency
°F	degrees Fahrenheit
ft	foot (feet)
gpd	gallons per day
gpm	gallons per minute
ISR	in situ recovery
MWPT	multi-well pump test
psf	pounds per square foot
psi	pounds per square inch
SWPT	single well pump test
WDEQ	Wyoming Department of Environmental Quality
WY	Wyoming

JD-D6K.1. INTRODUCTION

The following discussion contains guidelines utilized by Hydro-Engineering (HYDRO) for the performance and analysis of pumping tests to determine aquifer properties. Procedures and methodologies contained herein serve as a framework for designing, performing, and analyzing the results of a pumping test. As with many testing programs, these procedures must be adapted to the specific circumstances of the planned pumping test according to the engineering judgment of the user. This discussion does not include procedures for conducting slug tests or other aquifer properties testing methods that do not utilize a pumping system with a period of continuous discharge.

Procedures described in this document have been developed utilizing a variety of sources including: documented procedures (e.g. EPA, 1993 and U. S. Geological Survey Open-File Report 02-197, 2002), past experience in conducting pumping tests, and multiple references for ground water testing procedures. The presumption in this document is that well installation and completion techniques are already established, and that wells have been adequately developed.

JD-D6K.2. AQUIFER PROPERTIES DEFINITIONS

Terminology and definitions related to pumping tests are included in the following discussion. This discussion is in summary form for the purpose of clarifying terminology used throughout this document, but is not a comprehensive review of all aquifer properties definitions.

An aquifer is defined as a water-bearing geologic unit capable of yielding water in economically usable quantities. An aquitard is a confining bed or unit that restricts or retards the flow of ground water and does not readily yield water. For most practical purposes, the orientation of both aquifers and aquitards is generally horizontal. An aquiclude is a geologic unit that prevents the flow of ground water (typically in a vertical direction through horizontal bedding).

The potentiometric surface is an imaginary surface representing the static head or level of ground water for a particular aquifer or aquitard. An aquifer is defined as confined if the potentiometric surface is above the top of the aquifer unit. An aquifer is defined as being unconfined or a water table aquifer if the potentiometric surface is within the interval of the aquifer unit.

Total porosity of a geologic material is the fraction of pore space within that material. Effective porosity is a measure of interconnected pore space and also reflects the size and shape of pores within the medium.

The ground-water conveyance properties of aquifer materials are defined by the hydraulic conductivity and/or transmissivity. The value of hydraulic conductivity indicates the volume of water that will move through a unit area of the aquifer in a unit interval of time under a unit hydraulic gradient. Hydraulic conductivity has units of length/time (L/T) and the term is often used interchangeably with coefficient of permeability. Transmissivity is the product of hydraulic conductivity and saturated aquifer thickness and has units of L^2/T.

The ground water storage properties are defined by the storage coefficient for confined aquifers and by the specific yield for unconfined aquifers. Both storage properties are dimensionless and reflect the volume of water yielded from or stored in a unit volume of the aquifer under a unit change in water level or head.

Static water level is the level to which water will rise in a well or piezometer in the absence of pumping or other withdrawals or injection of water in the area of the well. Drawdown is the difference between the static water level and the water level in a well after pumping has started. Recovery is the gradual return of the water level to the static water level after pumping has stopped. Residual drawdown is the gradually diminishing drawdown in a well that remains after pumping has stopped.

Boundaries may exist in an aquifer and are generally described as either recharge or low permeability boundaries. Recharge boundaries typically reflect streams, lakes, reservoirs, etc. which supply water to the aquifer. Low permeability boundaries can be created by a variety of geologic features including the limits of the permeable aquifer material, faulting etc., and they retard or prevent water flow in a generally horizontal direction.

JD-D6K.3. TYPES OF PUMPING TESTS

Pumping tests are typically classified as single well or multi-well tests. A single well test involves only the well from which water is extracted. Multi-well tests require at least one pumping well and one or more observation wells.

JD-D6K.3.1 Single Well Pump Tests

A single well pump test (SWPT) is used primarily to evaluate the yield, drawdown response, and performance of the pumping well. The testing can also be used to determine the hydraulic conductivity and transmissivity of the aquifer materials in the immediate vicinity of the well. In some cases, storage properties of the aquifer can be inferred from a SWPT, but these storage properties should be used with caution as they are much less reliable than storage properties determined from an observation well in a multi well pump test (MWPT).

The typical SWPT includes pumping of a well while simultaneously monitoring water level in the well. Continued monitoring of the water level after pumping has stopped can also be valuable in determining hydraulic properties of the aquifer.

The simplest and most widely used approach for a SWPT is a constant discharge test where a relatively steady pumping rate is maintained throughout the pumping period. Variants of the SWPT include a constant drawdown test where the pump discharge is continuously adjusted to maintain a constant drawdown in the pumping well, and a step drawdown test where the discharge is deliberately increased at specified intervals. These variants of the SWPT are generally used to refine estimates of short-term and long-term yield for production water wells.

JD-D6K.3.2 Multi-well Pump Tests

A MWPT is a more comprehensive test of aquifer and aquitard properties. In addition to the SWPT information provided for the pumping well, a MWPT can be used to evaluate storage properties of the aquifer, regional water conveyance (hydraulic conductivity and transmissivity) properties, continuity of the aquifer, the presence of barriers, and the hydraulic conveyance of overlying or underlying aquitards.

A typical MWPT includes a pumping well or wells and one or more observation wells. The water level is monitored in the observation well(s) and possibly the pumping well during the test. The observation well(s) can be completed within the same unit as the pumping well to evaluate aquifer conveyance and storage properties and to confirm continuity of the aquifer or the presence of boundaries. Observation wells can also be completed in adjacent strata to evaluate vertical continuity through aquitards.

JD-D6K.4. BACKGROUND INFORMATION

The available geologic and well information should be compiled prior to the design of a SWPT or MWPT. This information should include but is not limited to: defining aquifer and aquitard strata; locations for available and proposed pumping or observation wells; well completion details for all available and proposed wells; the location and character of potential boundaries such as faults and streams; and available well yield estimates or measurements. Other useful information may include available water quality information, proximity to reliable pump power sources, installed pump performance curves, and acceptable water discharge procedures.

JD-D6K.5. SINGLE WELL PUMP TESTS

The primary design criteria for a SWPT are the pumping rate and pumping duration. There are typically constraints imposed on the maximum pumping rate by installed pump performance, existing discharge pipe size, maximum pump size, available power supply, etc. The acceptable pump test duration is a function of pumping rate, aquifer type, aquifer thickness, proximity to any potential boundaries and intended usage of the results.

The type of SWPT conducted can also be influenced by the intended use of the well. In the case of water level or water quality monitoring wells, a SWPT is often conducted as a matter of opportunity during sampling or well development. In this case, the pumping rate and test duration criteria are relaxed. If the SWPT is required to evaluate well production, presence of boundaries, etc. the pumping rate and pumping duration should be more critically evaluated.

Attachment JD-D6K.1 contains an example pump test form that can be used for both SWPT's and MWPT's. The available well information should be recorded for the pumping well in a SWPT. The critical records for analysis of well yield and aquifer properties are the water levels during and shortly after the pumping period, and the discharge during the test. If a transducer/data logger is

used, the transducer pressure range, logger/channel number, setting depth, initial reading etc. should be recorded to allow processing of the transducer data.

JD-D6K.5.1.1 Required Measurements

The necessary measurements during a SWPT include: static water level, pumping start and stop times, water level changes, and discharge rate. Other relevant information that should be recorded includes: weather conditions during the testing, condition of the well, location and type of discharge, and methods of measurement. If the test duration is more than 12 hours and the stress rate is relatively low, it may also be informative to record barometric pressure changes during the test.

JD-D6K.5.1.1 Water Level Measurement

The water level in the well should be monitored/recorded prior to, during, and immediately after the pump test. Acceptable methods for water level measurement are electrical continuity-based sounder (E-Tape), submersible transducer, or air line system. The E-Tape and submersible transducer are the preferred methods as they generally have much better resolution and accuracy than an air line system. Air line systems with precision pressure transducers or gauges can be used if the accuracy of the instrumentation is acceptable. Sonic or acoustic water level measurement devices should only be used if it can be demonstrated that the accuracy under the testing conditions is acceptable.

The preferred method of E-Tape or transducer operation is within a drawdown tube to isolate the water level measurement device(s) from cascading water or water surface disturbances. E-Tapes should be marked or be readable to the nearest 0.01 feet. If there is not a clearly marked measuring point on the well, the location where the measurement was taken should be recorded and the same measuring point should be used throughout the test. If a transducer is used to monitor the water level, the resolution of the transducer should be no greater than 2% of the total anticipated drawdown in the well.

The required frequency of water level measurements in the pumping well of a SWPT is subject to adjustment during testing. If the person(s) conducting the test are evaluating the drawdown while conducting the test, the frequency of measurements can be adjusted to produce sufficient measurements to allow analysis by the proposed methods. If the aquifer is unconfined, the early measurements may be important for accurate interpretation of transmissivity. In contrast, the analysis of transmissivity for a confined aquifer usually relies on measurements taken a few minutes or more after the pump start. If a transducer/data logger is used to monitor water level with a constant frequency, the frequency of readings should reflect the anticipated test duration and test conditions. Frequencies as high as once per minute can be used for short duration tests, while recording intervals of every 5, 15 or 20 minutes may be adequate for longer duration tests. Table 1 presents guidelines for frequency of water level measurements. These frequencies can be adjusted during the test by the operator if warranted.

Table JD-D6K.1. Guidelines for Water Level Measurement Frequency

Unconfined Aquifer		Confined Aquifer	
Time since Pump Start	**Measurement Frequency**	**Time since Pump Start**	**Measurement Frequency**
0 to 2 minutes	every 30 seconds	0 to 1 minutes	every 30 seconds
3 to 10 minutes	every minute	1 to 4 minutes	every minute
10 to 20 minutes	every 2 minutes	4 to 10 minutes	every 2 minutes
20 to 60 minutes	every 5 minutes	10 to 30 minutes	every 5 minutes
60 to 120 minutes	every 10 minutes	30 to 60 minutes	every 10 minutes
2 hours to 12 hours	every 30 minutes	1 hour to 2 hours	every 15 minutes
12 hours to 48 hours	every 4 hours	2 hours to 6 hours	every 30 minutes
after 48 hours	every 24 hours	6 hours to 12 hours	every 2 hours
		12 hours to 48 hours	every 4 hours
		after 48 hours	every 24 hours
Uniform Frequency	Variable depending on test	Uniform Frequency	Variable depending on test
with logger	conditions	with logger	conditions

If the data logger has the capability of variable water level measurement intervals, the programmed intervals can be adjusted to fit a logarithmic schedule that approximates the frequencies in Table 1. Higher frequency of measurement is acceptable.

The pump test log should include records for water levels, discharge rates, and other relevant information (see Attachment JD-D6K.1). There should be a date and time associated with water level and discharge rate measurements.

JD-D6K.5.1.2 Transducer Water Level Measurement

If transducer/data loggers are used to record water level, the data recorded is subject to the type and manufacturer of the transducer. Transducers are available in a variety of configurations, but one of the more critical distinctions is whether the transducer is vented or non-vented. A vented transducer has a vent tube to allow equilibration of the reference pressure in the transducer with ambient atmospheric pressure. This allows the transducer to register a constant reading for a steady water level in a well under varying barometric pressure. The cable with a vent tube must be handled carefully to avoid pinching of the tube which can result in erroneous readings.

A non-vented transducer has a closed reference pressure and requires simultaneous measurement of barometric pressure in order to allow correction of the transducer readings for changes in barometric pressure. Individual manufacturers typically provide the companion barometric pressure instruments and incorporate the correction into operating software. For short-term tests of a few hours where changes in barometric pressure over the test period are small, it is not necessary to make this correction.

The format of data logger files is subject to the manufacturer's programming but should include, at a minimum, date and time of reading and a reading of depth of water over the transducer in known units. If a transducer/logger has provisions to input a setting depth, this feature can be utilized to provide direct output of water level. Post-processing of the data can also be used to convert the data to a usable format for analysis. Refer to the manufacturer's instructions for use of each transducer or logger.

The reading range of a transducer should correspond with the expected drawdown in the pumping well. If possible, the transducer range should be approximately 130% of the expected drawdown and the transducer should be set at a depth that is no more than 90% of the full transducer range. As an example, a transducer with a range of 100 feet can be set a depth of 190 feet in a well with a depth to water of 100 feet and a pump setting depth of 200 feet. If the expected magnitude of drawdown is small, the available transducer with the smallest range that is greater the expected drawdown should be used.

JD-D6K.5.1.3 Discharge Rate Measurement

The discharge rate should be monitored throughout the test. Acceptable methods for monitoring discharge include: instantaneous flow meters, totalizing flow meters, and timed capture of a known volume or weight.

Manual reading or electronic recording flow meters are acceptable. There are no significant restrictions on the type of flow meters that can be used provided the level of performance is acceptable. The recommended criterion for selecting and sizing a flow meter is that the meter be capable of measuring discharge from the well to within +/-10% of the smallest anticipated discharge during the test. The flow meter should also have a measurement range from 50% to 200% of the anticipated pump test discharge from the well. The frequency of discharge readings should be: a minimum of three readings per test, a reading following each discharge adjustment, and a reading corresponding to each manual water level measurement after the first 12 hours of the test. In order to determine discharge rate with a totalizing meter that does not have an instantaneous rate reading, the operator can take paired totalizing meter readings separated by a few minutes in time. If the totalizing meter reading is in gallons, the difference between sequential readings should be divided by the number of minutes separating the readings to determine the discharge rate in gallons per minute (gpm).

Timed capture of a known volume or weight can be used to determine discharge rate. This method for directing the discharge into the measurement container should not appreciably change the discharge rate. If valve setting changes are used to redirect the flow, the potential for changing the rate should be carefully evaluated. Pressure gages or visual observation can be used to evaluate potential discharge rate changes when redirecting flow for rate measurement. The volume of the container should be large enough that it takes 10 seconds or more to fill the container to a measured volume at the maximum flow rate. An example calculation for a 5 gallon capture volume over 17 seconds is as follows: the measured volume of 5 gallons is divided by a capture time of 17 seconds, and this quantity is multiplied by 60 to convert the reading to units of gpm. The result of this computation is 17.6 gpm.

JD-D6K.5.2 Design Discharge Rate

The planned discharge rate for a SWPT is usually subject to a variety of constraints that may include: existing pump capacity, maximum practical pump size or power requirements, allowable discharge conditions, sustainable well yields, etc. Within these constraints, a guideline objective is to pump at a rate which results in drawdown over the test duration that is a significant fraction of the available drawdown. The available drawdown is equal to the depth of water over the pump intake. With preliminary estimates of well yield or aquifer transmissivity from well development or other

testing, the planned discharge rate can be estimated using the Straight-Line method as described later in this document.

If a pump is installed or a portable pumping unit is used, the preferred pump setting is above or near the top of the screened interval to provide water flow past the pump motor. For wells where there is a large depth of water over the screened interval, the pump can be set at a depth that is slight greater than the maximum anticipated drawdown during the test. However, if the aquifer is unconfined or there is insufficient water depth above the screen, the pump should be set as deep as possible up to a few feet above the bottom of the well. If there are no other constraints for pump discharge sizing, a general guideline for desired pump capacity would be approximately 110% of the target discharge at a total dynamic head (tdh) corresponding to 80% of the available drawdown. This allows minor valve setting restriction to adjust the discharge without significant oversizing of the pump. However, this refined pump sizing requires substantial prior knowledge of the likely well yield and experience in pump selection and design. The more typical pump design would slightly oversize a pump using available estimates of well yield to allow operation at smaller rates if necessary.

If there is an existing pump in place or a portable pump unit with defined pump performance is used, the target drawdown over the test is a significant fraction of the available drawdown. However, the pump constraints may not allow testing to reach this objective. If the available pump is undersized, it should be operated at the maximum practical discharge. If the pump is grossly oversized and restricting the discharge to an acceptable rate could potentially damage the pump or discharge pipe, the pump should be operated at the minimum allowable rate and the test should be stopped when the water level is approaching the pump intake.

JD-D6K.5.3 Pump Test Duration

The duration of a SWPT can be adjusted according to the requirements of the analysis and the aquifer conditions. If the test is primarily to determine local aquifer transmissivity for a monitoring well, relatively short test duration may be adequate. The water level data can be evaluated during the test to determine if it is adequate for the intended analysis, and the test continued as long as necessary to produce the required data. If the well will be utilized as a production well, the duration of the test should be extended to refine the estimates of long-term well yield. SWPT durations of 30 minutes to 48 hours may be warranted depending on proposed usage of the well and the ratio of demand rate to available well yield. For a planned production well where the discharge demand is only a small fraction of the potential well yield, a test duration of a few hours should be sufficient. Conversely, if the discharge demand is approaching the maximum well yield, the SWPT duration should be extended as long as possible to determine sustainable yield.

Other factors that may affect pump test duration are the presence of boundaries or the effects of stratification within the aquifer. If the presence of a boundary is suspected, the data should be reviewed periodically and preliminary plots developed to evaluate the drawdown response. A distinct inflection point in the semi-log plots described later in this document is usually considered indicative of a boundary influence.

JD-D6K.5.4 Recovery Monitoring

Following the cessation of pumping, the water level will gradually recover and approach the static water level in the well. Continued monitoring of this water level recovery may allow additional

analysis of aquifer transmissivity by methods described later in this document. If the recovery data is be analyzed, the post pumping water level monitoring period should be at least as long as the pumping period. The frequency after the pump off time should generally correspond with the schedule listed in Table 1 with the substitution of pump off time for pump start time.

JD-D6K.6. MULTI-WELL PUMP TESTS

The design criteria for a MWPT include selection and location of pumping well(s), selection and location of observation well(s), pumping rate, and pumping duration. In addition to evaluating the aquifer properties and yield of the pumping well, a MWPT allows a more regional evaluation of transmissivity, determination of aquifer storage properties, evaluation of aquifer continuity, and evaluation of potential communication with adjacent aquifers..

If the selection and location of the pumping well is not dictated by other concerns or constraints, the pumping well should be centrally located within the testing area. The optimal distribution of observation wells is in a radial pattern surrounding the pumping well, but there are usually other constraints that govern the selection and location of observation wells.

JD-D6K.6.1 Well Selection

A variety of criteria are used in selecting both the pumping and observation wells. The pumping well should be selected to evaluate aquifer properties in the central area to be tested. Ideally, the pumping well should have sufficient yield to produce drawdown at selected observation well locations. The completion interval for the pumping well should also correspond with the desired testing interval. If the pumping well is partially penetrating, the correlation with completion intervals for observation wells should also be considered in well selection.

Observation wells can be selected to provide information about aquifer properties, heterogeneity of aquifer properties, continuity within the aquifer, communication with adjacent aquifers, or the influence of potential boundaries. For two observation wells completed within the same strata as the pumping wells, the preferred orientation of the observation wells is in an orthogonal configuration relative to the pumping well. This configuration generally provides the most refined estimates of directional transmissivity and/or distance to potential boundaries. Ideally, the observation wells should be located close enough to the pumping well to exhibit one foot or more of drawdown during the MWPT. The Theis equation described later in this document can be used to estimate the drawdown at observation wells for the planned pump test.

Observation wells completed in adjacent aquifers should be located as close as possible to the pumping well. This generally increases the likelihood that any vertical communication between aquifers will be revealed. An exception to this criterion occurs when there is faulting that can potentially connect adjacent aquifers across the fault. In this case, observation wells should be located across the fault and completed in intervals to evaluate potential communication across the fault.

Observation wells should also be located to evaluate potential boundaries. If a boundary may be present, the preferred observation well configuration would place a well on both the pumping well side and opposite side of the suspected boundary location.

JD-D6K.6.2 Required Measurements

The necessary measurements for the pumping well in a MWPT include: static water level, pumping start and stop times, water level changes, and discharge rate. Other relevant information that should be recorded includes: weather conditions during the testing, condition of the well, location and type of discharge, and methods of measurement. For most MWPT's with a duration of more than 24 hours, it is necessary to record barometric pressure prior to, during, and after the pumping period in order to correct the data for barometric pressure fluctuations. The necessary measurements for observation wells include water levels prior to, during and after the pumping period. The pump test forms in Attachment JD-D6K.1 and Attachment JD-D6K.2 can be used for recording of water level data for the pumping well and observation wells, respectively.

JD-D6K.6.2.1 Water Level Measurement

The acceptable methods of water level measurement for a MWPT are basically the same as those for a SWPT. The preferred method of water level measurement for observation wells is with a transducer with at least one reference measurement with an E-Tape. The range and resolution of transducers for observation wells should correspond with the anticipated drawdown in the well if possible. A general guideline for selecting transducers for observation wells is to use a transducer with a range that is approximately 150% of the expected drawdown. If the expected drawdown is much smaller than the pressure range of available transducers, the transducers with the smallest pressure range should be used. The transducers should generally be set at a depth below the water level that is approximately 90% of the transducer range unless there is a rising water level trend or recovery from a previous test.

The required frequency of water level measurements in the pumping well after the pump start of a MWPT is generally the same as that listed in Table 1 for a SWPT. The frequency of water level measurements in observation wells is dependent on several factors, including: distance to pumping well, correlation of completion intervals with the pumping well, and the presence of boundaries. The required water level measurement frequency for each observation well should be evaluated according to the preceding criteria. For observation wells located very close to (e.g. within 50 feet) and completed within the same strata as the pumping well, the measurement frequency after pump start should be similar to that of the pumping well. For more distant observation wells in the same strata as the pumping well, the interval between water level measurements can be increased in a manner that is generally proportional to the distance from the pumping well. A general guideline for uniform measurement intervals using transducers is 5 to 20 minutes depending on distance to the pumping well and the expected magnitude of drawdown in the observation well.

If the data logger has the capability of variable water level measurement intervals, the programmed intervals can be adjusted to fit a logarithmic schedule that approximates the frequencies in Table 1. Higher frequency of measurement is acceptable.

The pump test log should include records for water levels, discharge rates, and other relevant information (see Attachment 1). There should be a date and time associated with water level and discharge rate measurements.

JD-D6K.6.2.2 Pretest data

For MWPT's where there will be observation wells at a significant distance from the pumping well and the expected duration is more than 24 hours, it is advisable to collect water level data prior to the pumping period. This data can be used to identify prior trends in the water levels and to correct water level data for barometric pressure influences. These corrections may be appropriate for observation wells where the expected magnitude of drawdown over the test is small. The appropriate length of the pretest period depends primarily on the expected magnitude of drawdown in the most distant well and the existence of significant trends. Pretest periods of one (1) or more days are desirable if the drawdown response in distant observation wells will potentially be obscured by barometric or prior trend influences. In order to correct the water level data for barometric pressure influences, the barometric pressure must be recorded throughout the pretest period. The transducer water level measurement interval during the pretest period can typically be 15 minutes or more. The barometric pressure should be recorded hourly or more frequently during the pretest, pumping and recovery period.

JD-D6K.6.2.3 Discharge Rate Measurement

The discharge rate measurement criteria and methods for a MWPT are essentially the same as those for a SWPT. The duration of a MWPT is typically longer than a SWPT so discharge measurements should be distributed throughout the pumping period. Acceptable methods for discharge measurement are the same as those for a SWPT.

JD-D6K.6.3 Design Discharge Rate

The criteria for selecting target discharge rate for a MWPT are basically the same as those SWPT. Ideally, the planned discharge rate would produce drawdown in the pumping well over the test duration that is a significant fraction of available drawdown. Like a SWPT, the range of available discharge rates may be subject to numerous constraints. The available drawdown is again defined as the depth of water over the pump intake. With preliminary estimates of well yield or aquifer transmissivity from well development or other testing, the planned discharge rate can be estimated using the Straight-Line method as described later in this document.

If a pump is installed or a portable pumping unit is used, the preferred pump setting is above or near the top of the screened interval to provide water flow past the pump motor. For wells where there is a large depth of water over the screened interval, the pump can be set at a depth that is slight greater than the maximum anticipated pumping well drawdown during the test. However, if the aquifer is unconfined or there is insufficient water depth above the screen, the pump should be set as deep as possible up to a few feet above the bottom of the well. If there are no other constraints for pump discharge sizing, a general guideline for desired pump capacity would be approximately 110% of the target discharge at a total dynamic head (tdh) corresponding to 80% of the available drawdown. This allows minor valve setting restriction to adjust the discharge without significant oversizing of the pump. However, this refined pump sizing requires substantial prior knowledge of the likely well yield and experience in pump selection and design. The more typical pump design would slightly

oversize a pump using available estimates of well yield to allow operation at smaller rates if necessary.

If there is an existing pump in place or a portable pump unit with defined pump performance is used, the target drawdown in the pumping well over the test is a significant fraction of the available drawdown. However, the pump constraints may not allow testing to reach this objective. If the available pump is undersized, it should be operated at the maximum practical discharge. If the pump is grossly oversized and restricting the discharge to an acceptable rate could potentially damage the pump or discharge pipe, the pump should be operated at the minimum allowable rate and the test should be stopped when the water level is approaching the pump intake.

JD-D6K.6.4 Pump Test Duration

The duration of a MWPT is dependent primarily on the location and completion intervals for the available observation wells. For a pumping well with an adjacent observation well, acceptable test duration can plausibly be as short as an hour. A typical pumping duration for an ISR well field MWPT with observation wells at a distance of 500 or more feet from the pumping well is 72 hours or more. With most MWPT's, it is necessary to evaluate data during the test to determine if the drawdown response in the observation wells is adequate for the intended analysis. The magnitude of drawdown in observation wells where analytical techniques will be used to evaluate transmissivity and storage properties should be large enough that it is clearly distinguishable from natural fluctuations in water level. Regulatory testing requirements may also mandate a minimum magnitude of drawdown in specific observation wells. If necessary, the pumping period can be extended to increase drawdown at observation wells. For distant observation wells, the drawdown response will be lagged from that in wells closer to the pumping well, and the drawdown will generally continue for some period after the pumping is stopped.

JD-D6K.6.5 Recovery Monitoring

Following the cessation of pumping, the water level in the pumping well and responsive observation wells will gradually recover and approach the static water level in the well. Continued monitoring of this water level recovery will allow additional analysis of aquifer transmissivity and storage properties by methods described later in this document. For typical analysis of recovery data, the post pumping water level monitoring period should be at least as long as the pumping period. In general, the frequency of transducer water level measurements for the recovery monitoring can be continued from the pumping period.

JD-D6K.7. PUMP TEST ANALYSIS

The analysis of pump test data will be according to established and documented methods. The principle methods of analysis are the Straight-Line method, the Theis method, the Theis recovery method (see Ferris et al., 1962), and Hantush's Modified Method (Hantush, 1960). More sophisticated methods will be used to evaluate aquifer properties under unconfined conditions, to correct for aquifer thinning, to correct for partial penetration, to analyze aquitard vertical permeability, and to evaluate the location of boundaries through image well analysis. Additionally, modified versions of the Theis method and the Straight-Line method can be used for MWPT's with

multiple pumping wells. For MWPT's with suitable observation well locations and completions, directional transmissivity of the aquifer may be evaluated using a method described by Papadopulos (1965). These methods are described within Addendum JD-D6J.

JD-D6K.8. SUMMARY

The preceding discussion of pumping test procedures and analysis provides guidelines for planning and conducting SWPT's and MWPT's. These guidelines must be adapted to the circumstances of the planned testing.

JD-D6K.9. REFERENCES

EPA, 1993, Suggested Operating Procedures for Aquifer Pumping Tests, United States Environmental Protection Agency, EPA/540/S-93/503

Ferris, J.G., D.B. Knowles, R.H. Brown, and R.W. Stallman, 1962, Theory of Aquifer Tests, U.S. Geological Survey, Water-Supply Paper 1536-E.

Hantush, M.S., and C.E. Jacob, 1955, Nonsteady radial flow in an infinite leaky aquifer: Am. Geophys. Union Trans., V. 36, No. 1, p. 95-100.

Hantush, M.S., 1960, Modification of the theory of leaky aquifers: Jour. Geophys. Research, V. 65, No. 11, p. 3713-3725.

Hantush, M.S., 1961, Tables of the Function H (u, BETA): New Mexico Inst. Mining and Technology, Prof. Paper 103, 14p.

Jacob, C.E., 1944, Notes on determining permeability of pumping tests under water-table conditions, U.S. Geol. Survey, open-file report.

Kruseman, G.P. and N.A. de Rider, 1991, Analysis and Evaluation of Pumping Test Data, Publication 47, International Institute for Land Reclamation and Improvement, The Netherlands.

Papadopulos, I.S., 1965, Nonsteady flow to a well in an infinite anisotropic aquifer, International Association of Scientific Hydrology, Symposium of Dubrovnik.

U. S. Geological Survey, 2002, Documentation of Spreadsheets for the Analysis of Aquifer-Test and Slug-Test Data, Open-File Report 02-197.

Attachment JD-D6K.1. Example Pumping Well Pump Test Form

PUMP TEST FORM

				Project	
Pumping Well		Total Depth		Page	
Obs Well		MPE		Date	
Obs Well		Stick Up		Bar. Press (Y or N)	
Obs Well		Pump Setting		Bar. Press. File	
Obs Well		S.W.L		Transducer (Y or N)	
Obs Well		Pump Start Date		Transducer Range	
Obs Well		Pump Start Time		Logger No.	
Obs Well		Pump Stop Date		Logger Channel	
Obs Well		Pump Stop Time		Ini. Trans. Reading	

Date	Time	DTW	Discharge Rate	pH	Temp	Conductivity	Comment

Attachment JD-D6K.2. Example Observation Well Pump Test Form

OBSERVATION WELL TEST FORM

				Project	
Well Name		Pumping Well		Page	
Total Depth		Pump Start Date		Transducer (Y or N)	
MPE		Pump Start Time		Transducer Range	
Stick Up		Pump Stop Date		Logger No.	
S.W.L		Pump Stop Time		Logger Channel	
				Ini. Trans. Reading	

Comments:

Date	Time	DTW	Comment	Date	Time	DTW	Comment

ADDENDUM JD-D6L:

URANIUM DATA SUBMISSION SPREADSHEETS

April 2014

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Dry Fork Flowing #5	6/28/2010	A/C Balance (± 5)	%	-1.19	Energy Laboratories	C10061079-001A	7/12/2010	Calculation
Jane Dough	Dry Fork Flowing #5	6/28/2010	Anions	meq/L	4.90	Energy Laboratories	C10061079-001A	7/12/2010	Calculation
Jane Dough	Dry Fork Flowing #5	6/28/2010	Bicarbonate as HCO3	mg/L	199	Energy Laboratories	C10061079-001A	7/6/2010	A2320 B
Jane Dough	Dry Fork Flowing #5	6/28/2010	Carbonate as CO3	mg/L	7	Energy Laboratories	C10061079-001A	7/6/2010	A2320 B
Jane Dough	Dry Fork Flowing #5	6/28/2010	Cations	meq/L	4.78	Energy Laboratories	C10061079-001A	7/12/2010	Calculation
Jane Dough	Dry Fork Flowing #5	6/28/2010	Chloride	mg/L	5	Energy Laboratories	C10061079-001A	7/8/2010	E300.0
Jane Dough	Dry Fork Flowing #5	6/28/2010	Conductivity @ 25 C	umhos/cm	455	Energy Laboratories	C10061079-001A	6/29/2010	A2510 B
Jane Dough	Dry Fork Flowing #5	6/28/2010	Fluoride	mg/L	0.4	Energy Laboratories	C10061079-001A	7/13/2010	A4500-F C
Jane Dough	Dry Fork Flowing #5	6/28/2010	pH	s.u.	8.78	Energy Laboratories	C10061079-001A	6/29/2010	A4500-H B
Jane Dough	Dry Fork Flowing #5	6/28/2010	Solids, Total Dissolved Calculated	mg/L	291	Energy Laboratories	C10061079-001A	7/12/2010	Calculation
Jane Dough	Dry Fork Flowing #5	6/28/2010	Solids, Total Dissolved TDS @ 180 C	mg/L	279	Energy Laboratories	C10061079-001A	6/29/2010	A2540 C
Jane Dough	Dry Fork Flowing #5	6/28/2010	Sulfate	mg/L	59	Energy Laboratories	C10061079-001A	7/8/2010	E300.0
Jane Dough	Dry Fork Flowing #5	6/28/2010	Aluminum	mg/L	<0.1	Energy Laboratories	C10061079-001A	7/3/2010	E200.8
Jane Dough	Dry Fork Flowing #5	6/28/2010	Arsenic	mg/L	<0.001	Energy Laboratories	C10061079-001A	7/3/2010	E200.8
Jane Dough	Dry Fork Flowing #5	6/28/2010	Barium	mg/L	<0.1	Energy Laboratories	C10061079-001A	7/3/2010	E200.8
Jane Dough	Dry Fork Flowing #5	6/28/2010	Boron	mg/L	<0.1	Energy Laboratories	C10061079-001A	7/6/2010	E200.7
Jane Dough	Dry Fork Flowing #5	6/28/2010	Cadmium	mg/L	<0.005	Energy Laboratories	C10061079-001A	7/3/2010	E200.8
Jane Dough	Dry Fork Flowing #5	6/28/2010	Calcium	mg/L	5	Energy Laboratories	C10061079-001A	7/6/2010	E200.7
Jane Dough	Dry Fork Flowing #5	6/28/2010	Chromium	mg/L	<0.05	Energy Laboratories	C10061079-001A	7/3/2010	E200.8
Jane Dough	Dry Fork Flowing #5	6/28/2010	Copper	mg/L	<0.01	Energy Laboratories	C10061079-001A	7/3/2010	E200.8
Jane Dough	Dry Fork Flowing #5	6/28/2010	Iron	mg/L	<0.03	Energy Laboratories	C10061079-001A	7/6/2010	E200.7
Jane Dough	Dry Fork Flowing #5	6/28/2010	Lead	mg/L	<0.001	Energy Laboratories	C10061079-001A	7/3/2010	E200.8
Jane Dough	Dry Fork Flowing #5	6/28/2010	Magnesium	mg/L	<1	Energy Laboratories	C10061079-001A	7/6/2010	E200.7
Jane Dough	Dry Fork Flowing #5	6/28/2010	Manganese	mg/L	0.01	Energy Laboratories	C10061079-001A	7/3/2010	E200.8
Jane Dough	Dry Fork Flowing #5	6/28/2010	Mercury	mg/L	<0.001	Energy Laboratories	C10061079-001A	7/3/2010	E200.8
Jane Dough	Dry Fork Flowing #5	6/28/2010	Molybdenum	mg/L	<0.1	Energy Laboratories	C10061079-001A	7/3/2010	E200.8
Jane Dough	Dry Fork Flowing #5	6/28/2010	Nickel	mg/L	<0.05	Energy Laboratories	C10061079-001A	7/3/2010	E200.8
Jane Dough	Dry Fork Flowing #5	6/28/2010	Potassium	mg/L	2	Energy Laboratories	C10061079-001A	7/6/2010	E200.7
Jane Dough	Dry Fork Flowing #5	6/28/2010	Selenium	mg/L	0.001	Energy Laboratories	C10061079-001A	7/3/2010	E200.8
Jane Dough	Dry Fork Flowing #5	6/28/2010	Silica	mg/L	9.3	Energy Laboratories	C10061079-001A	7/6/2010	E200.7
Jane Dough	Dry Fork Flowing #5	6/28/2010	Sodium	mg/L	102	Energy Laboratories	C10061079-001A	7/6/2010	E200.7
Jane Dough	Dry Fork Flowing #5	6/28/2010	Uranium	mg/L	0.0023	Energy Laboratories	C10061079-001A	7/3/2010	E200.8
Jane Dough	Dry Fork Flowing #5	6/28/2010	Vanadium	mg/L	<0.1	Energy Laboratories	C10061079-001A	7/3/2010	E200.8
Jane Dough	Dry Fork Flowing #5	6/28/2010	Zinc	mg/L	0.01	Energy Laboratories	C10061079-001A	7/3/2010	E200.8
Jane Dough	Dry Fork Flowing #5	6/28/2010	Iron	mg/L	0.05	Energy Laboratories	C10061079-001A	7/6/2010	E200.7
Jane Dough	Dry Fork Flowing #5	6/28/2010	Manganese	mg/L	0.02	Energy Laboratories	C10061079-001A	7/6/2010	E200.7
Jane Dough	Dry Fork Flowing #5	6/28/2010	Gross Alpha	pCi/L	5.7	Energy Laboratories	C10061079-001A	7/10/2010	E900.0
Jane Dough	Dry Fork Flowing #5	6/28/2010	Gross Alpha MDC	pCi/L	2.5	Energy Laboratories	C10061079-001A	7/10/2010	E900.0
Jane Dough	Dry Fork Flowing #5	6/28/2010	Gross Alpha precision (±)	pCi/L	1.9	Energy Laboratories	C10061079-001A	7/10/2010	E900.0
Jane Dough	Dry Fork Flowing #5	6/28/2010	Gross Beta	pCi/L	2.0	Energy Laboratories	C10061079-001A	7/10/2010	E900.0
Jane Dough	Dry Fork Flowing #5	6/28/2010	Gross Beta MDC	pCi/L	2.5	Energy Laboratories	C10061079-001A	7/10/2010	E900.0
Jane Dough	Dry Fork Flowing #5	6/28/2010	Gross Beta precision (±)	pCi/L	1.5	Energy Laboratories	C10061079-001A	7/10/2010	E900.0
Jane Dough	Dry Fork Flowing #5	6/28/2010	Lead 210	pCi/L	-0.6	Energy Laboratories	C10061079-001A	7/12/2010	E909.0M
Jane Dough	Dry Fork Flowing #5	6/28/2010	Lead 210 MDC	pCi/L	2.3	Energy Laboratories	C10061079-001A	7/12/2010	E909.0M
Jane Dough	Dry Fork Flowing #5	6/28/2010	Lead 210 precision (±)	pCi/L	1.4	Energy Laboratories	C10061079-001A	7/12/2010	E909.0M
Jane Dough	Dry Fork Flowing #5	6/28/2010	Radium 226	pCi/L	0.10	Energy Laboratories	C10061079-001A	7/19/2010	E903.0
Jane Dough	Dry Fork Flowing #5	6/28/2010	Radium 226 MDC	pCi/L	0.19	Energy Laboratories	C10061079-001A	7/19/2010	E903.0
Jane Dough	Dry Fork Flowing #5	6/28/2010	Radium 226 precision (±)	pCi/L	0.12	Energy Laboratories	C10061079-001A	7/19/2010	E903.0
Jane Dough	Dry Fork Flowing #5	6/28/2010	Radium 228	pCi/L	0.33	Energy Laboratories	C10061079-001A	7/14/2010	RA-05
Jane Dough	Dry Fork Flowing #5	6/28/2010	Radium 228 MDC	pCi/L	1.6	Energy Laboratories	C10061079-001A	7/14/2010	RA-05
Jane Dough	Dry Fork Flowing #5	6/28/2010	Radium 228 precision (±)	pCi/L	0.96	Energy Laboratories	C10061079-001A	7/14/2010	RA-05
Jane Dough	Dry Fork Flowing #5	6/28/2010	Thorium 230	pCi/L	0.1	Energy Laboratories	C10061079-001A	7/1/2010	E907.0
Jane Dough	Dry Fork Flowing #5	6/28/2010	Thorium 230 MDC	pCi/L	0.2	Energy Laboratories	C10061079-001A	7/1/2010	E907.0
Jane Dough	Dry Fork Flowing #5	6/28/2010	Thorium 230 precision (±)	pCi/L	0.1	Energy Laboratories	C10061079-001A	7/1/2010	E907.0
Jane Dough	Dry Fork Flowing #5	6/28/2010	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C10061079-001A	7/13/2010	A4500-NH3 G

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Dry Fork Flowing #5	7/19/2010	A/C Balance (± 5)	%	-3.95	Energy Laboratories	C10070657-001A	8/2/2010	Calculation
Jane Dough	Dry Fork Flowing #5	7/19/2010	Anions	meq/L	4.96	Energy Laboratories	C10070657-001A	8/2/2010	Calculation
Jane Dough	Dry Fork Flowing #5	7/19/2010	Bicarbonate as HCO3	mg/L	203	Energy Laboratories	C10070657-001A	7/23/2010	A2320 B
Jane Dough	Dry Fork Flowing #5	7/19/2010	Carbonate as CO3	mg/L	7	Energy Laboratories	C10070657-001A	7/23/2010	A2320 B
Jane Dough	Dry Fork Flowing #5	7/19/2010	Cations	meq/L	4.59	Energy Laboratories	C10070657-001A	8/2/2010	Calculation
Jane Dough	Dry Fork Flowing #5	7/19/2010	Chloride	mg/L	5	Energy Laboratories	C10070657-001A	7/24/2010	E300.0
Jane Dough	Dry Fork Flowing #5	7/19/2010	Conductivity @ 25 C	umhos/cm	453	Energy Laboratories	C10070657-001A	7/20/2010	A2510 B
Jane Dough	Dry Fork Flowing #5	7/19/2010	Fluoride	mg/L	0.4	Energy Laboratories	C10070657-001A	7/22/2010	A4500-F C
Jane Dough	Dry Fork Flowing #5	7/19/2010	pH	s.u.	8.15	Energy Laboratories	C10070657-001A	7/20/2010	A4500-H B
Jane Dough	Dry Fork Flowing #5	7/19/2010	Solids, Total Dissolved Calculated	mg/L	288	Energy Laboratories	C10070657-001A	8/2/2010	Calculation
Jane Dough	Dry Fork Flowing #5	7/19/2010	Solids, Total Dissolved TDS @ 180 C	mg/L	272	Energy Laboratories	C10070657-001A	7/20/2010	A2540 C
Jane Dough	Dry Fork Flowing #5	7/19/2010	Sulfate	mg/L	59	Energy Laboratories	C10070657-001A	7/24/2010	E300.0
Jane Dough	Dry Fork Flowing #5	7/19/2010	Aluminum	mg/L	<0.1	Energy Laboratories	C10070657-001A	7/23/2010	E200.8
Jane Dough	Dry Fork Flowing #5	7/19/2010	Arsenic	mg/L	<0.001	Energy Laboratories	C10070657-001A	7/23/2010	E200.8
Jane Dough	Dry Fork Flowing #5	7/19/2010	Barium	mg/L	<0.1	Energy Laboratories	C10070657-001A	7/23/2010	E200.8
Jane Dough	Dry Fork Flowing #5	7/19/2010	Boron	mg/L	<0.1	Energy Laboratories	C10070657-001A	7/29/2010	E200.7
Jane Dough	Dry Fork Flowing #5	7/19/2010	Cadmium	mg/L	<0.005	Energy Laboratories	C10070657-001A	7/23/2010	E200.8
Jane Dough	Dry Fork Flowing #5	7/19/2010	Calcium	mg/L	5	Energy Laboratories	C10070657-001A	7/29/2010	E200.7
Jane Dough	Dry Fork Flowing #5	7/19/2010	Calcium, SAR	meq/L	0.26	Energy Laboratories	C10070657-001A	7/29/2010	E200.7
Jane Dough	Dry Fork Flowing #5	7/19/2010	Chromium	mg/L	<0.05	Energy Laboratories	C10070657-001A	7/23/2010	E200.8
Jane Dough	Dry Fork Flowing #5	7/19/2010	Copper	mg/L	<0.01	Energy Laboratories	C10070657-001A	7/23/2010	E200.8
Jane Dough	Dry Fork Flowing #5	7/19/2010	Iron	mg/L	<0.03	Energy Laboratories	C10070657-001A	7/29/2010	E200.7
Jane Dough	Dry Fork Flowing #5	7/19/2010	Lead	mg/L	<0.001	Energy Laboratories	C10070657-001A	7/23/2010	E200.8
Jane Dough	Dry Fork Flowing #5	7/19/2010	Magnesium	mg/L	<1	Energy Laboratories	C10070657-001A	7/29/2010	E200.7
Jane Dough	Dry Fork Flowing #5	7/19/2010	Magnesium, SAR	meq/L	<0.0833333	Energy Laboratories	C10070657-001A	7/29/2010	E200.7
Jane Dough	Dry Fork Flowing #5	7/19/2010	Manganese	mg/L	0.01	Energy Laboratories	C10070657-001A	7/23/2010	E200.8
Jane Dough	Dry Fork Flowing #5	7/19/2010	Mercury	mg/L	<0.001	Energy Laboratories	C10070657-001A	7/23/2010	E200.8
Jane Dough	Dry Fork Flowing #5	7/19/2010	Molybdenum	mg/L	<0.1	Energy Laboratories	C10070657-001A	7/23/2010	E200.8
Jane Dough	Dry Fork Flowing #5	7/19/2010	Nickel	mg/L	<0.05	Energy Laboratories	C10070657-001A	7/23/2010	E200.8
Jane Dough	Dry Fork Flowing #5	7/19/2010	Potassium	mg/L	1	Energy Laboratories	C10070657-001A	7/29/2010	E200.7
Jane Dough	Dry Fork Flowing #5	7/19/2010	Selenium	mg/L	<0.001	Energy Laboratories	C10070657-001A	7/23/2010	E200.8
Jane Dough	Dry Fork Flowing #5	7/19/2010	Silica	mg/L	9.4	Energy Laboratories	C10070657-001A	7/29/2010	E200.7
Jane Dough	Dry Fork Flowing #5	7/19/2010	Sodium	mg/L	97	Energy Laboratories	C10070657-001A	7/29/2010	E200.7
Jane Dough	Dry Fork Flowing #5	7/19/2010	Sodium Adsorption Ratio (SAR)	unitless	10.6	Energy Laboratories	C10070657-001A	7/29/2010	Calculation
Jane Dough	Dry Fork Flowing #5	7/19/2010	Sodium, SAR	meq/L	4.23	Energy Laboratories	C10070657-001A	7/29/2010	E200.7
Jane Dough	Dry Fork Flowing #5	7/19/2010	Uranium	mg/L	0.0021	Energy Laboratories	C10070657-001A	7/23/2010	E200.8
Jane Dough	Dry Fork Flowing #5	7/19/2010	Vanadium	mg/L	<0.1	Energy Laboratories	C10070657-001A	7/23/2010	E200.8
Jane Dough	Dry Fork Flowing #5	7/19/2010	Zinc	mg/L	0.02	Energy Laboratories	C10070657-001A	7/23/2010	E200.8
Jane Dough	Dry Fork Flowing #5	7/19/2010	Iron	mg/L	0.05	Energy Laboratories	C10070657-001A	7/28/2010	E200.7
Jane Dough	Dry Fork Flowing #5	7/19/2010	Manganese	mg/L	0.02	Energy Laboratories	C10070657-001A	7/28/2010	E200.7
Jane Dough	Dry Fork Flowing #5	7/19/2010	Gross Alpha	pCi/L	4.0	Energy Laboratories	C10070657-001A	8/5/2010	E900.0
Jane Dough	Dry Fork Flowing #5	7/19/2010	Gross Alpha MDC	pCi/L	2.5	Energy Laboratories	C10070657-001A	8/5/2010	E900.0
Jane Dough	Dry Fork Flowing #5	7/19/2010	Gross Alpha precision (±)	pCi/L	1.7	Energy Laboratories	C10070657-001A	8/5/2010	E900.0
Jane Dough	Dry Fork Flowing #5	7/19/2010	Gross Beta	pCi/L	1.9	Energy Laboratories	C10070657-001A	8/5/2010	E900.0
Jane Dough	Dry Fork Flowing #5	7/19/2010	Gross Beta MDC	pCi/L	2.5	Energy Laboratories	C10070657-001A	8/5/2010	E900.0
Jane Dough	Dry Fork Flowing #5	7/19/2010	Gross Beta precision (±)	pCi/L	1.5	Energy Laboratories	C10070657-001A	8/5/2010	E900.0
Jane Dough	Dry Fork Flowing #5	7/19/2010	Radium 226	pCi/L	0.17	Energy Laboratories	C10070657-001A	8/9/2010	E903.0
Jane Dough	Dry Fork Flowing #5	7/19/2010	Radium 226 MDC	pCi/L	0.1	Energy Laboratories	C10070657-001A	8/9/2010	E903.0
Jane Dough	Dry Fork Flowing #5	7/19/2010	Radium 226 precision (±)	pCi/L	0.09	Energy Laboratories	C10070657-001A	8/9/2010	E903.0
Jane Dough	Dry Fork Flowing #5	7/19/2010	Radium 228	pCi/L	0.15	Energy Laboratories	C10070657-001A	8/2/2010	RA-05
Jane Dough	Dry Fork Flowing #5	7/19/2010	Radium 228 MDC	pCi/L	1.2	Energy Laboratories	C10070657-001A	8/2/2010	RA-05
Jane Dough	Dry Fork Flowing #5	7/19/2010	Radium 228 precision (±)	pCi/L	0.71	Energy Laboratories	C10070657-001A	8/2/2010	RA-05
Jane Dough	Dry Fork Flowing #5	7/19/2010	Nitrogen, Ammonia as N	mg/L	0.07	Energy Laboratories	C10070657-001A	8/9/2010	A4500-NH3 G
Jane Dough	Dry Fork Flowing #5	7/19/2010	Nitrogen, Ammonium	mg/L	0.09	Energy Laboratories	C10070657-001A	8/9/2010	A4500-NH3 G
Jane Dough	Dry Fork Flowing #5	7/19/2010	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C10070657-001A	7/26/2010	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Dry Fork Flowing #5	10/4/2010	Bicarbonate as HCO3	mg/L	205	Energy Laboratories	C10100103-001	10/5/2010	A2320 B
Jane Dough	Dry Fork Flowing #5	10/4/2010	Carbonate as CO3	mg/L	5	Energy Laboratories	C10100103-001	10/5/2010	A2320 B
Jane Dough	Dry Fork Flowing #5	10/4/2010	Conductivity @ 25 C	umhos/cm	455	Energy Laboratories	C10100103-001	10/5/2010	A2510 B
Jane Dough	Dry Fork Flowing #5	10/4/2010	Solids, Total Dissolved TDS @ 180 C	mg/L	283	Energy Laboratories	C10100103-001	10/7/2010	A2540 C
Jane Dough	Dry Fork Flowing #5	10/4/2010	Fluoride	mg/L	0.4	Energy Laboratories	C10100103-001	10/5/2010	A4500-F C
Jane Dough	Dry Fork Flowing #5	10/4/2010	pH	s.u.	8.74	Energy Laboratories	C10100103-001	10/5/2010	A4500-H B
Jane Dough	Dry Fork Flowing #5	10/4/2010	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C10100103-001	10/19/2010	A4500-NH3 G
Jane Dough	Dry Fork Flowing #5	10/4/2010	A/C Balance (± 5)	%	-2.50	Energy Laboratories	C10100103-001	10/26/2010	Calculation
Jane Dough	Dry Fork Flowing #5	10/4/2010	Anions	meq/L	4.89	Energy Laboratories	C10100103-001	10/26/2010	Calculation
Jane Dough	Dry Fork Flowing #5	10/4/2010	Cations	meq/L	4.66	Energy Laboratories	C10100103-001	10/26/2010	Calculation
Jane Dough	Dry Fork Flowing #5	10/4/2010	Sodium Adsorption Ratio (SAR)	unitless	10.5	Energy Laboratories	C10100103-001	10/7/2010	Calculation
Jane Dough	Dry Fork Flowing #5	10/4/2010	Aluminum	mg/L	ND	Energy Laboratories	C10100103-001	10/7/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Barium	mg/L	ND	Energy Laboratories	C10100103-001	10/7/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Boron	mg/L	0.1	Energy Laboratories	C10100103-001	10/7/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Cadmium	mg/L	ND	Energy Laboratories	C10100103-001	10/7/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Calcium	mg/L	5	Energy Laboratories	C10100103-001	10/7/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Calcium, SAR	meq/L	0.27	Energy Laboratories	C10100103-001	10/7/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Chromium	mg/L	ND	Energy Laboratories	C10100103-001	10/7/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Copper	mg/L	ND	Energy Laboratories	C10100103-001	10/7/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Iron	mg/L	ND	Energy Laboratories	C10100103-001	10/7/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Iron	mg/L	ND	Energy Laboratories	C10100103-001	10/13/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Magnesium	mg/L	ND	Energy Laboratories	C10100103-001	10/7/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Magnesium, SAR	meq/L	ND	Energy Laboratories	C10100103-001	10/7/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Manganese	mg/L	0.01	Energy Laboratories	C10100103-001	10/7/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Manganese	mg/L	0.02	Energy Laboratories	C10100103-001	10/13/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Molybdenum	mg/L	ND	Energy Laboratories	C10100103-001	10/7/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Nickel	mg/L	ND	Energy Laboratories	C10100103-001	10/7/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Potassium	mg/L	1	Energy Laboratories	C10100103-001	10/7/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Silica	mg/L	9.3	Energy Laboratories	C10100103-001	10/29/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Sodium	mg/L	99	Energy Laboratories	C10100103-001	10/7/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Sodium, SAR	meq/L	4.29	Energy Laboratories	C10100103-001	10/7/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Vanadium	mg/L	ND	Energy Laboratories	C10100103-001	10/7/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Zinc	mg/L	ND	Energy Laboratories	C10100103-001	10/7/2010	E200.7
Jane Dough	Dry Fork Flowing #5	10/4/2010	Arsenic	mg/L	ND	Energy Laboratories	C10100103-001	10/11/2010	E200.8
Jane Dough	Dry Fork Flowing #5	10/4/2010	Lead	mg/L	ND	Energy Laboratories	C10100103-001	10/11/2010	E200.8
Jane Dough	Dry Fork Flowing #5	10/4/2010	Mercury	mg/L	ND	Energy Laboratories	C10100103-001	10/11/2010	E200.8
Jane Dough	Dry Fork Flowing #5	10/4/2010	Selenium	mg/L	ND	Energy Laboratories	C10100103-001	10/11/2010	E200.8
Jane Dough	Dry Fork Flowing #5	10/4/2010	Uranium	mg/L	0.0021	Energy Laboratories	C10100103-001	10/11/2010	E200.8
Jane Dough	Dry Fork Flowing #5	10/4/2010	Chloride	mg/L	5	Energy Laboratories	C10100103-001	10/14/2010	E300.0
Jane Dough	Dry Fork Flowing #5	10/4/2010	Sulfate	mg/L	58	Energy Laboratories	C10100103-001	10/14/2010	E300.0
Jane Dough	Dry Fork Flowing #5	10/4/2010	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C10100103-001	10/22/2010	E353.2
Jane Dough	Dry Fork Flowing #5	10/4/2010	Gross Alpha	pCi/L	6.2	Energy Laboratories	C10100103-001	11/2/2010	E900.0
Jane Dough	Dry Fork Flowing #5	10/4/2010	Gross Alpha MDC	pCi/L	2.0	Energy Laboratories	C10100103-001	11/2/2010	E900.0
Jane Dough	Dry Fork Flowing #5	10/4/2010	Gross Alpha precision (±)	pCi/L	1.6	Energy Laboratories	C10100103-001	11/2/2010	E900.0
Jane Dough	Dry Fork Flowing #5	10/4/2010	Gross Beta	pCi/L	2.4	Energy Laboratories	C10100103-001	11/2/2010	E900.0
Jane Dough	Dry Fork Flowing #5	10/4/2010	Gross Beta MDC	pCi/L	2.4	Energy Laboratories	C10100103-001	11/2/2010	E900.0
Jane Dough	Dry Fork Flowing #5	10/4/2010	Gross Beta precision (±)	pCi/L	1.5	Energy Laboratories	C10100103-001	11/2/2010	E900.0
Jane Dough	Dry Fork Flowing #5	10/4/2010	Radium 226	pCi/L	-0.1	Energy Laboratories	C10100103-001	10/27/2010	E903.0
Jane Dough	Dry Fork Flowing #5	10/4/2010	Radium 226 MDC	pCi/L	0.17	Energy Laboratories	C10100103-001	10/27/2010	E903.0
Jane Dough	Dry Fork Flowing #5	10/4/2010	Radium 226 precision (±)	pCi/L	0.07	Energy Laboratories	C10100103-001	10/27/2010	E903.0
Jane Dough	Dry Fork Flowing #5	10/4/2010	Radium 228	pCi/L	-0.2	Energy Laboratories	C10100103-001	10/21/2010	RA-05
Jane Dough	Dry Fork Flowing #5	10/4/2010	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C10100103-001	10/21/2010	RA-05
Jane Dough	Dry Fork Flowing #5	10/4/2010	Radium 228 precision (±)	pCi/L	0.64	Energy Laboratories	C10100103-001	10/21/2010	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Dry Fork Flowing #5	1/6/2011	A/C Balance (± 5)	%	-2.70	Energy Laboratories	C11010184-002A	1/24/2011	Calculation
Jane Dough	Dry Fork Flowing #5	1/6/2011	Anions	meq/L	4.83	Energy Laboratories	C11010184-002A	1/24/2011	Calculation
Jane Dough	Dry Fork Flowing #5	1/6/2011	Bicarbonate as HCO3	mg/L	193	Energy Laboratories	C11010184-002A	1/6/2011	A2320 B
Jane Dough	Dry Fork Flowing #5	1/6/2011	Carbonate as CO3	mg/L	7	Energy Laboratories	C11010184-002A	1/6/2011	A2320 B
Jane Dough	Dry Fork Flowing #5	1/6/2011	Cations	meq/L	4.58	Energy Laboratories	C11010184-002A	1/24/2011	Calculation
Jane Dough	Dry Fork Flowing #5	1/6/2011	Chloride	mg/L	5	Energy Laboratories	C11010184-002A	1/12/2011	E300.0
Jane Dough	Dry Fork Flowing #5	1/6/2011	Conductivity @ 25 C	umhos/cm	462	Energy Laboratories	C11010184-002A	1/7/2011	A2510 B
Jane Dough	Dry Fork Flowing #5	1/6/2011	Fluoride	mg/L	0.4	Energy Laboratories	C11010184-002A	1/10/2011	A4500-F C
Jane Dough	Dry Fork Flowing #5	1/6/2011	pH	s.u.	9.07	Energy Laboratories	C11010184-002A	1/7/2011	A4500-H B
Jane Dough	Dry Fork Flowing #5	1/6/2011	Solids, Total Dissolved Calculated	mg/L	286	Energy Laboratories	C11010184-002A	1/24/2011	Calculation
Jane Dough	Dry Fork Flowing #5	1/6/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	253	Energy Laboratories	C11010184-002A	1/7/2011	A2540 C
Jane Dough	Dry Fork Flowing #5	1/6/2011	Sulfate	mg/L	61	Energy Laboratories	C11010184-002A	1/12/2011	E300.0
Jane Dough	Dry Fork Flowing #5	1/6/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11010184-002A	1/11/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Arsenic	mg/L	<0.001	Energy Laboratories	C11010184-002A	1/18/2011	E200.8
Jane Dough	Dry Fork Flowing #5	1/6/2011	Barium	mg/L	<0.1	Energy Laboratories	C11010184-002A	1/11/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Boron	mg/L	<0.1	Energy Laboratories	C11010184-002A	1/11/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11010184-002A	1/11/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Calcium	mg/L	5	Energy Laboratories	C11010184-002A	1/11/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Calcium, SAR	meq/L	0.26	Energy Laboratories	C11010184-002A	1/11/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11010184-002A	1/11/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Copper	mg/L	<0.01	Energy Laboratories	C11010184-002A	1/11/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Iron	mg/L	<0.03	Energy Laboratories	C11010184-002A	1/11/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Lead	mg/L	<0.001	Energy Laboratories	C11010184-002A	1/18/2011	E200.8
Jane Dough	Dry Fork Flowing #5	1/6/2011	Magnesium	mg/L	<1	Energy Laboratories	C11010184-002A	1/11/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Magnesium, SAR	meq/L	<0.0833333	Energy Laboratories	C11010184-002A	1/11/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Manganese	mg/L	0.01	Energy Laboratories	C11010184-002A	1/11/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11010184-002A	1/18/2011	E200.8
Jane Dough	Dry Fork Flowing #5	1/6/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11010184-002A	1/11/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11010184-002A	1/11/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Potassium	mg/L	1	Energy Laboratories	C11010184-002A	1/11/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11010184-002A	1/18/2011	E200.8
Jane Dough	Dry Fork Flowing #5	1/6/2011	Silica	mg/L	9.9	Energy Laboratories	C11010184-002A	1/11/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Sodium	mg/L	97	Energy Laboratories	C11010184-002A	1/11/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Sodium Adsorption Ratio (SAR)	unitless	10.6	Energy Laboratories	C11010184-002A	1/11/2011	Calculation
Jane Dough	Dry Fork Flowing #5	1/6/2011	Sodium, SAR	meq/L	4.22	Energy Laboratories	C11010184-002A	1/11/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Uranium	mg/L	0.0016	Energy Laboratories	C11010184-002A	1/18/2011	E200.8
Jane Dough	Dry Fork Flowing #5	1/6/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11010184-002A	1/11/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Zinc	mg/L	0.04	Energy Laboratories	C11010184-002A	1/11/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Iron	mg/L	<0.03	Energy Laboratories	C11010184-002A	1/19/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Manganese	mg/L	0.02	Energy Laboratories	C11010184-002A	1/19/2011	E200.7
Jane Dough	Dry Fork Flowing #5	1/6/2011	Gross Alpha	pCi/L	5.6	Energy Laboratories	C11010184-002A	1/15/2011	E900.0
Jane Dough	Dry Fork Flowing #5	1/6/2011	Gross Alpha MDC	pCi/L	2.1	Energy Laboratories	C11010184-002A	1/15/2011	E900.0
Jane Dough	Dry Fork Flowing #5	1/6/2011	Gross Alpha precision (±)	pCi/L	1.6	Energy Laboratories	C11010184-002A	1/15/2011	E900.0
Jane Dough	Dry Fork Flowing #5	1/6/2011	Gross Beta	pCi/L	2.3	Energy Laboratories	C11010184-002A	1/15/2011	E900.0
Jane Dough	Dry Fork Flowing #5	1/6/2011	Gross Beta MDC	pCi/L	2.5	Energy Laboratories	C11010184-002A	1/15/2011	E900.0
Jane Dough	Dry Fork Flowing #5	1/6/2011	Gross Beta precision (±)	pCi/L	1.5	Energy Laboratories	C11010184-002A	1/15/2011	E900.0
Jane Dough	Dry Fork Flowing #5	1/6/2011	Radium 226	pCi/L	-0.02	Energy Laboratories	C11010184-002A	1/24/2011	E903.0
Jane Dough	Dry Fork Flowing #5	1/6/2011	Radium 226 MDC	pCi/L	0.18	Energy Laboratories	C11010184-002A	1/24/2011	E903.0
Jane Dough	Dry Fork Flowing #5	1/6/2011	Radium 226 precision (±)	pCi/L	0.09	Energy Laboratories	C11010184-002A	1/24/2011	E903.0
Jane Dough	Dry Fork Flowing #5	1/6/2011	Radium 228	pCi/L	0.7	Energy Laboratories	C11010184-002A	1/19/2011	RA-05
Jane Dough	Dry Fork Flowing #5	1/6/2011	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C11010184-002A	1/19/2011	RA-05
Jane Dough	Dry Fork Flowing #5	1/6/2011	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C11010184-002A	1/19/2011	RA-05
Jane Dough	Dry Fork Flowing #5	1/6/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11010184-002A	1/10/2011	A4500-NH3 G
Jane Dough	Dry Fork Flowing #5	1/6/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11010184-002A	1/7/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Dry Fork Flowing #5	8/15/2011	A/C Balance (± 5)	%	0.948	Energy Laboratories	C11080606-002A	8/23/2011	Calculation
Jane Dough	Dry Fork Flowing #5	8/15/2011	Anions	meq/L	4.73	Energy Laboratories	C11080606-002A	8/23/2011	Calculation
Jane Dough	Dry Fork Flowing #5	8/15/2011	Bicarbonate as HCO3	mg/L	172	Energy Laboratories	C11080606-002A	8/16/2011	A2320 B
Jane Dough	Dry Fork Flowing #5	8/15/2011	Carbonate as CO3	mg/L	14	Energy Laboratories	C11080606-002A	8/16/2011	A2320 B
Jane Dough	Dry Fork Flowing #5	8/15/2011	Cations	meq/L	4.82	Energy Laboratories	C11080606-002A	8/23/2011	Calculation
Jane Dough	Dry Fork Flowing #5	8/15/2011	Chloride	mg/L	5	Energy Laboratories	C11080606-002A	8/19/2011	E300.0
Jane Dough	Dry Fork Flowing #5	8/15/2011	Conductivity @ 25 C	umhos/cm	455	Energy Laboratories	C11080606-002A	8/16/2011	A2510 B
Jane Dough	Dry Fork Flowing #5	8/15/2011	Fluoride	mg/L	0.4	Energy Laboratories	C11080606-002A	8/19/2011	E300.0
Jane Dough	Dry Fork Flowing #5	8/15/2011	pH	s.u.	8.70	Energy Laboratories	C11080606-002A	8/16/2011	A4500-H B
Jane Dough	Dry Fork Flowing #5	8/15/2011	Solids, Total Dissolved Calculated	mg/L	285	Energy Laboratories	C11080606-002A	8/23/2011	Calculation
Jane Dough	Dry Fork Flowing #5	8/15/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	272	Energy Laboratories	C11080606-002A	8/16/2011	A2540 C
Jane Dough	Dry Fork Flowing #5	8/15/2011	Sulfate	mg/L	61	Energy Laboratories	C11080606-002A	8/19/2011	E300.0
Jane Dough	Dry Fork Flowing #5	8/15/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11080606-002A	8/17/2011	E200.8
Jane Dough	Dry Fork Flowing #5	8/15/2011	Arsenic	mg/L	<0.001	Energy Laboratories	C11080606-002A	8/17/2011	E200.8
Jane Dough	Dry Fork Flowing #5	8/15/2011	Barium	mg/L	<0.1	Energy Laboratories	C11080606-002A	8/17/2011	E200.8
Jane Dough	Dry Fork Flowing #5	8/15/2011	Boron	mg/L	<0.1	Energy Laboratories	C11080606-002A	8/19/2011	E200.7
Jane Dough	Dry Fork Flowing #5	8/15/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11080606-002A	8/17/2011	E200.8
Jane Dough	Dry Fork Flowing #5	8/15/2011	Calcium	mg/L	5	Energy Laboratories	C11080606-002A	8/17/2011	E200.8
Jane Dough	Dry Fork Flowing #5	8/15/2011	Calcium, SAR	meq/L	0.27	Energy Laboratories	C11080606-002A	8/17/2011	E200.8
Jane Dough	Dry Fork Flowing #5	8/15/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11080606-002A	8/17/2011	E200.8
Jane Dough	Dry Fork Flowing #5	8/15/2011	Copper	mg/L	<0.01	Energy Laboratories	C11080606-002A	8/17/2011	E200.8
Jane Dough	Dry Fork Flowing #5	8/15/2011	Iron	mg/L	<0.03	Energy Laboratories	C11080606-002A	8/17/2011	E200.8
Jane Dough	Dry Fork Flowing #5	8/15/2011	Lead	mg/L	<0.001	Energy Laboratories	C11080606-002A	8/17/2011	E200.8
Jane Dough	Dry Fork Flowing #5	8/15/2011	Magnesium	mg/L	<1	Energy Laboratories	C11080606-002A	8/19/2011	E200.7
Jane Dough	Dry Fork Flowing #5	8/15/2011	Magnesium, SAR	meq/L	<0.0833333	Energy Laboratories	C11080606-002A	8/19/2011	E200.7
Jane Dough	Dry Fork Flowing #5	8/15/2011	Manganese	mg/L	0.01	Energy Laboratories	C11080606-002A	8/17/2011	E200.8
Jane Dough	Dry Fork Flowing #5	8/15/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11080606-002A	8/17/2011	E200.8
Jane Dough	Dry Fork Flowing #5	8/15/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11080606-002A	8/17/2011	E200.8
Jane Dough	Dry Fork Flowing #5	8/15/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11080606-002A	8/17/2011	E200.8
Jane Dough	Dry Fork Flowing #5	8/15/2011	Potassium	mg/L	2	Energy Laboratories	C11080606-002A	8/17/2011	E200.8
Jane Dough	Dry Fork Flowing #5	8/15/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11080606-002A	8/17/2011	E200.8
Jane Dough	Dry Fork Flowing #5	8/15/2011	Silica	mg/L	7.9	Energy Laboratories	C11080606-002A	8/17/2011	E200.8
Jane Dough	Dry Fork Flowing #5	8/15/2011	Sodium	mg/L	103	Energy Laboratories	C11080606-002A	8/19/2011	E200.7
Jane Dough	Dry Fork Flowing #5	8/15/2011	Sodium Adsorption Ratio (SAR)	unitless	11.2	Energy Laboratories	C11080606-002A	8/19/2011	Calculation
Jane Dough	Dry Fork Flowing #5	8/15/2011	Sodium, SAR	meq/L	4.46	Energy Laboratories	C11080606-002A	8/19/2011	E200.7
Jane Dough	Dry Fork Flowing #5	8/15/2011	Uranium	mg/L	0.0020	Energy Laboratories	C11080606-002A	8/17/2011	E200.8
Jane Dough	Dry Fork Flowing #5	8/15/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11080606-002A	8/17/2011	E200.8
Jane Dough	Dry Fork Flowing #5	8/15/2011	Zinc	mg/L	<0.01	Energy Laboratories	C11080606-002A	8/17/2011	E200.8
Jane Dough	Dry Fork Flowing #5	8/15/2011	Iron	mg/L	0.33	Energy Laboratories	C11080606-002A	8/19/2011	E200.7
Jane Dough	Dry Fork Flowing #5	8/15/2011	Manganese	mg/L	0.02	Energy Laboratories	C11080606-002A	8/19/2011	E200.7
Jane Dough	Dry Fork Flowing #5	8/15/2011	Gross Alpha	pCi/L	2.3	Energy Laboratories	C11080606-002A	9/12/2011	E900.0
Jane Dough	Dry Fork Flowing #5	8/15/2011	Gross Alpha MDC	pCi/L	2.9	Energy Laboratories	C11080606-002A	9/12/2011	E900.0
Jane Dough	Dry Fork Flowing #5	8/15/2011	Gross Alpha precision (±)	pCi/L	1.8	Energy Laboratories	C11080606-002A	9/12/2011	E900.0
Jane Dough	Dry Fork Flowing #5	8/15/2011	Gross Beta	pCi/L	2.8	Energy Laboratories	C11080606-002A	9/12/2011	E900.0
Jane Dough	Dry Fork Flowing #5	8/15/2011	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C11080606-002A	9/12/2011	E900.0
Jane Dough	Dry Fork Flowing #5	8/15/2011	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C11080606-002A	9/12/2011	E900.0
Jane Dough	Dry Fork Flowing #5	8/15/2011	Radium 226	pCi/L	-0.05	Energy Laboratories	C11080606-002A	9/9/2011	E903.0
Jane Dough	Dry Fork Flowing #5	8/15/2011	Radium 226 MDC	pCi/L	0.14	Energy Laboratories	C11080606-002A	9/9/2011	E903.0
Jane Dough	Dry Fork Flowing #5	8/15/2011	Radium 226 precision (±)	pCi/L	0.07	Energy Laboratories	C11080606-002A	9/9/2011	E903.0
Jane Dough	Dry Fork Flowing #5	8/15/2011	Radium 228	pCi/L	0.42	Energy Laboratories	C11080606-002A	9/1/2011	RA-05
Jane Dough	Dry Fork Flowing #5	8/15/2011	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C11080606-002A	9/1/2011	RA-05
Jane Dough	Dry Fork Flowing #5	8/15/2011	Radium 228 precision (±)	pCi/L	0.68	Energy Laboratories	C11080606-002A	9/1/2011	RA-05
Jane Dough	Dry Fork Flowing #5	8/15/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11080606-002A	8/24/2011	A4500-NH3 G
Jane Dough	Dry Fork Flowing #5	8/15/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11080606-002A	8/18/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Dry Fork Flowing #5	1/20/2012	Bicarbonate as HCO3	mg/L	195	Energy Laboratories	C12010649-005	1/21/2012	A2320 B
Jane Dough	Dry Fork Flowing #5	1/20/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12010649-005	1/21/2012	A2320 B
Jane Dough	Dry Fork Flowing #5	1/20/2012	Conductivity @ 25 C	umhos/cm	457	Energy Laboratories	C12010649-005	1/21/2012	A2510 B
Jane Dough	Dry Fork Flowing #5	1/20/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	288	Energy Laboratories	C12010649-005	1/24/2012	A2540 C
Jane Dough	Dry Fork Flowing #5	1/20/2012	pH	s.u.	8.70	Energy Laboratories	C12010649-005	1/21/2012	A4500-H B
Jane Dough	Dry Fork Flowing #5	1/20/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12010649-005	1/23/2012	A4500-NH3 G
Jane Dough	Dry Fork Flowing #5	1/20/2012	A/C Balance (± 5)	%	1.24	Energy Laboratories	C12010649-005	1/31/2012	Calculation
Jane Dough	Dry Fork Flowing #5	1/20/2012	Anions	meq/L	4.76	Energy Laboratories	C12010649-005	1/31/2012	Calculation
Jane Dough	Dry Fork Flowing #5	1/20/2012	Cations	meq/L	4.88	Energy Laboratories	C12010649-005	1/31/2012	Calculation
Jane Dough	Dry Fork Flowing #5	1/20/2012	Sodium Adsorption Ratio (SAR)	unitless	10.9	Energy Laboratories	C12010649-005	1/25/2012	Calculation
Jane Dough	Dry Fork Flowing #5	1/20/2012	Solids, Total Dissolved Calculated	mg/L	278	Energy Laboratories	C12010649-005	1/31/2012	Calculation
Jane Dough	Dry Fork Flowing #5	1/20/2012	Boron	mg/L	ND	Energy Laboratories	C12010649-005	1/30/2012	E200.7
Jane Dough	Dry Fork Flowing #5	1/20/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12010649-005	1/30/2012	E200.7
Jane Dough	Dry Fork Flowing #5	1/20/2012	Silica	mg/L	9.9	Energy Laboratories	C12010649-005	1/30/2012	E200.7
Jane Dough	Dry Fork Flowing #5	1/20/2012	Aluminum	mg/L	ND	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Arsenic	mg/L	ND	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Barium	mg/L	ND	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Cadmium	mg/L	ND	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Calcium	mg/L	6	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Calcium, SAR	meq/L	0.29	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Chromium	mg/L	ND	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Copper	mg/L	ND	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Iron	mg/L	ND	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Iron	mg/L	ND	Energy Laboratories	C12010649-005	1/26/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Lead	mg/L	ND	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Magnesium	mg/L	ND	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Manganese	mg/L	0.01	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Manganese	mg/L	0.01	Energy Laboratories	C12010649-005	1/26/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Mercury	mg/L	ND	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Nickel	mg/L	ND	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Potassium	mg/L	2	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Selenium	mg/L	ND	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Sodium	mg/L	103	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Sodium, SAR	meq/L	4.50	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Uranium	mg/L	0.0020	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Vanadium	mg/L	ND	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Zinc	mg/L	ND	Energy Laboratories	C12010649-005	1/25/2012	E200.8
Jane Dough	Dry Fork Flowing #5	1/20/2012	Chloride	mg/L	5	Energy Laboratories	C12010649-005	1/24/2012	E300.0
Jane Dough	Dry Fork Flowing #5	1/20/2012	Fluoride	mg/L	0.4	Energy Laboratories	C12010649-005	1/24/2012	E300.0
Jane Dough	Dry Fork Flowing #5	1/20/2012	Sulfate	mg/L	61	Energy Laboratories	C12010649-005	1/24/2012	E300.0
Jane Dough	Dry Fork Flowing #5	1/20/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12010649-005	1/24/2012	E353.2
Jane Dough	Dry Fork Flowing #5	1/20/2012	Gross Alpha	pCi/L	4.4	Energy Laboratories	C12010649-005	2/16/2012	E900.0
Jane Dough	Dry Fork Flowing #5	1/20/2012	Gross Alpha MDC	pCi/L	2.8	Energy Laboratories	C12010649-005	2/16/2012	E900.0
Jane Dough	Dry Fork Flowing #5	1/20/2012	Gross Alpha precision (±)	pCi/L	1.9	Energy Laboratories	C12010649-005	2/16/2012	E900.0
Jane Dough	Dry Fork Flowing #5	1/20/2012	Gross Beta	pCi/L	1.3	Energy Laboratories	C12010649-005	2/16/2012	E900.0
Jane Dough	Dry Fork Flowing #5	1/20/2012	Gross Beta MDC	pCi/L	2.7	Energy Laboratories	C12010649-005	2/16/2012	E900.0
Jane Dough	Dry Fork Flowing #5	1/20/2012	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C12010649-005	2/16/2012	E900.0
Jane Dough	Dry Fork Flowing #5	1/20/2012	Radium 226	pCi/L	0.23	Energy Laboratories	C12010649-005	2/22/2012	E903.0
Jane Dough	Dry Fork Flowing #5	1/20/2012	Radium 226 MDC	pCi/L	0.13	Energy Laboratories	C12010649-005	2/22/2012	E903.0
Jane Dough	Dry Fork Flowing #5	1/20/2012	Radium 226 precision (±)	pCi/L	0.12	Energy Laboratories	C12010649-005	2/22/2012	E903.0
Jane Dough	Dry Fork Flowing #5	1/20/2012	Radium 228	pCi/L	0.6	Energy Laboratories	C12010649-005	2/15/2012	RA-05
Jane Dough	Dry Fork Flowing #5	1/20/2012	Radium 228 MDC	pCi/L	1.4	Energy Laboratories	C12010649-005	2/15/2012	RA-05
Jane Dough	Dry Fork Flowing #5	1/20/2012	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories	C12010649-005	2/15/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Dry Fork Flowing #5	7/17/2012	A/C Balance (± 5)	%	-2.24	Energy Laboratories	C12070574-002	7/27/2012	A1030 E
Jane Dough	Dry Fork Flowing #5	7/17/2012	Anions	meq/L	4.81	Energy Laboratories	C12070574-002	7/27/2012	A1030 E
Jane Dough	Dry Fork Flowing #5	7/17/2012	Cations	meq/L	4.60	Energy Laboratories	C12070574-002	7/27/2012	A1030 E
Jane Dough	Dry Fork Flowing #5	7/17/2012	Solids, Total Dissolved Calculated	mg/L	280	Energy Laboratories	C12070574-002	7/27/2012	A1030 E
Jane Dough	Dry Fork Flowing #5	7/17/2012	TDS Balance (0.80 - 1.20)		1.07	Energy Laboratories	C12070574-002	7/27/2012	A1030 E
Jane Dough	Dry Fork Flowing #5	7/17/2012	Bicarbonate as HCO3	mg/L	195	Energy Laboratories	C12070574-002	7/18/2012	A2320 B
Jane Dough	Dry Fork Flowing #5	7/17/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12070574-002	7/18/2012	A2320 B
Jane Dough	Dry Fork Flowing #5	7/17/2012	Conductivity @ 25 C	umhos/cm	470	Energy Laboratories	C12070574-002	7/18/2012	A2510 B
Jane Dough	Dry Fork Flowing #5	7/17/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	304	Energy Laboratories	C12070574-002	7/18/2012	A2540 C
Jane Dough	Dry Fork Flowing #5	7/17/2012	Fluoride	mg/L	0.4	Energy Laboratories	C12070574-002	7/19/2012	A4500-F C
Jane Dough	Dry Fork Flowing #5	7/17/2012	pH	s.u.	8.7	Energy Laboratories	C12070574-002	7/18/2012	A4500-H B
Jane Dough	Dry Fork Flowing #5	7/17/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12070574-002	7/20/2012	A4500-NH3 G
Jane Dough	Dry Fork Flowing #5	7/17/2012	Aluminum	mg/L	ND	Energy Laboratories	C12070574-002	7/19/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Barium	mg/L	ND	Energy Laboratories	C12070574-002	7/19/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Boron	mg/L	ND	Energy Laboratories	C12070574-002	7/19/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Cadmium	mg/L	ND	Energy Laboratories	C12070574-002	7/19/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Calcium	mg/L	6	Energy Laboratories	C12070574-002	7/19/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Calcium, SAR	meq/L	0.28	Energy Laboratories	C12070574-002	7/19/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Chromium	mg/L	ND	Energy Laboratories	C12070574-002	7/19/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Copper	mg/L	ND	Energy Laboratories	C12070574-002	7/19/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Iron	mg/L	ND	Energy Laboratories	C12070574-002	7/19/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Iron	mg/L	ND	Energy Laboratories	C12070574-002	7/23/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Magnesium	mg/L	ND	Energy Laboratories	C12070574-002	7/19/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12070574-002	7/19/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Manganese	mg/L	0.01	Energy Laboratories	C12070574-002	7/19/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Manganese	mg/L	0.01	Energy Laboratories	C12070574-002	7/23/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12070574-002	7/19/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Nickel	mg/L	ND	Energy Laboratories	C12070574-002	7/24/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Potassium	mg/L	1	Energy Laboratories	C12070574-002	7/24/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Silica	mg/L	9.0	Energy Laboratories	C12070574-002	7/19/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Sodium	mg/L	97	Energy Laboratories	C12070574-002	7/19/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Sodium, SAR	meq/L	4.23	Energy Laboratories	C12070574-002	7/19/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Vanadium	mg/L	ND	Energy Laboratories	C12070574-002	7/19/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Zinc	mg/L	0.01	Energy Laboratories	C12070574-002	7/19/2012	E200.7
Jane Dough	Dry Fork Flowing #5	7/17/2012	Arsenic	mg/L	ND	Energy Laboratories	C12070574-002	8/8/2012	E200.8
Jane Dough	Dry Fork Flowing #5	7/17/2012	Lead	mg/L	ND	Energy Laboratories	C12070574-002	8/8/2012	E200.8
Jane Dough	Dry Fork Flowing #5	7/17/2012	Mercury	mg/L	ND	Energy Laboratories	C12070574-002	8/8/2012	E200.8
Jane Dough	Dry Fork Flowing #5	7/17/2012	Selenium	mg/L	ND	Energy Laboratories	C12070574-002	8/8/2012	E200.8
Jane Dough	Dry Fork Flowing #5	7/17/2012	Uranium	mg/L	0.0020	Energy Laboratories	C12070574-002	8/8/2012	E200.8
Jane Dough	Dry Fork Flowing #5	7/17/2012	Chloride	mg/L	5	Energy Laboratories	C12070574-002	7/21/2012	E300.0
Jane Dough	Dry Fork Flowing #5	7/17/2012	Sulfate	mg/L	63	Energy Laboratories	C12070574-002	7/21/2012	E300.0
Jane Dough	Dry Fork Flowing #5	7/17/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12070574-002	7/23/2012	E353.2
Jane Dough	Dry Fork Flowing #5	7/17/2012	Gross Alpha	pCi/L	3.5	Energy Laboratories	C12070574-002	7/25/2012	E900.0
Jane Dough	Dry Fork Flowing #5	7/17/2012	Gross Alpha MDC	pCi/L	1.5	Energy Laboratories	C12070574-002	7/25/2012	E900.0
Jane Dough	Dry Fork Flowing #5	7/17/2012	Gross Alpha precision (±)	pCi/L	1.1	Energy Laboratories	C12070574-002	7/25/2012	E900.0
Jane Dough	Dry Fork Flowing #5	7/17/2012	Gross Beta	pCi/L	-0.5	Energy Laboratories	C12070574-002	7/25/2012	E900.0
Jane Dough	Dry Fork Flowing #5	7/17/2012	Gross Beta MDC	pCi/L	2.5	Energy Laboratories	C12070574-002	7/25/2012	E900.0
Jane Dough	Dry Fork Flowing #5	7/17/2012	Gross Beta precision (±)	pCi/L	1.5	Energy Laboratories	C12070574-002	7/25/2012	E900.0
Jane Dough	Dry Fork Flowing #5	7/17/2012	Radium 226	pCi/L	0.36	Energy Laboratories	C12070574-002	8/1/2012	E903.0
Jane Dough	Dry Fork Flowing #5	7/17/2012	Radium 226 MDC	pCi/L	0.17	Energy Laboratories	C12070574-002	8/1/2012	E903.0
Jane Dough	Dry Fork Flowing #5	7/17/2012	Radium 226 precision (±)	pCi/L	0.15	Energy Laboratories	C12070574-002	8/1/2012	E903.0
Jane Dough	Dry Fork Flowing #5	7/17/2012	Radium 228	pCi/L	0.31	Energy Laboratories	C12070574-002	7/26/2012	RA-05
Jane Dough	Dry Fork Flowing #5	7/17/2012	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C12070574-002	7/26/2012	RA-05
Jane Dough	Dry Fork Flowing #5	7/17/2012	Radium 228 precision (±)	pCi/L	0.65	Energy Laboratories	C12070574-002	7/26/2012	RA-05
Jane Dough	Dry Fork Flowing #5	7/17/2012	Sodium Adsorption Ratio (SAR)	unitless	10.3	Energy Laboratories	C12070574-002	7/19/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Dry Fork Flowing #5	11/7/2012	A/C Balance (± 5)	%	-1.32	Energy Laboratories	C12110307-001	11/29/2012	A1030 E
Jane Dough	Dry Fork Flowing #5	11/7/2012	Anions	meq/L	4.86	Energy Laboratories	C12110307-001	11/29/2012	A1030 E
Jane Dough	Dry Fork Flowing #5	11/7/2012	Cations	meq/L	4.73	Energy Laboratories	C12110307-001	11/29/2012	A1030 E
Jane Dough	Dry Fork Flowing #5	11/7/2012	Solids, Total Dissolved Calculated	mg/L	290	Energy Laboratories	C12110307-001	11/29/2012	A1030 E
Jane Dough	Dry Fork Flowing #5	11/7/2012	TDS Balance (0.80 - 1.20)		1.01	Energy Laboratories	C12110307-001	11/29/2012	A1030 E
Jane Dough	Dry Fork Flowing #5	11/7/2012	Alkalinity, Total as CaCO3	mg/L	171	Energy Laboratories	C12110307-001	11/8/2012	A2320 B
Jane Dough	Dry Fork Flowing #5	11/7/2012	Bicarbonate as HCO3	mg/L	198	Energy Laboratories	C12110307-001	11/8/2012	A2320 B
Jane Dough	Dry Fork Flowing #5	11/7/2012	Carbonate as CO3	mg/L	6	Energy Laboratories	C12110307-001	11/8/2012	A2320 B
Jane Dough	Dry Fork Flowing #5	11/7/2012	Conductivity @ 25 C	umhos/cm	456	Energy Laboratories	C12110307-001	11/8/2012	A2510 B
Jane Dough	Dry Fork Flowing #5	11/7/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	291	Energy Laboratories	C12110307-001	11/9/2012	A2540 C
Jane Dough	Dry Fork Flowing #5	11/7/2012	Fluoride	mg/L	0.4	Energy Laboratories	C12110307-001	11/9/2012	A4500-F C
Jane Dough	Dry Fork Flowing #5	11/7/2012	pH	s.u.	8.73	Energy Laboratories	C12110307-001	11/8/2012	A4500-H B
Jane Dough	Dry Fork Flowing #5	11/7/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12110307-001	11/13/2012	A4500-NH3 G
Jane Dough	Dry Fork Flowing #5	11/7/2012	Aluminum	mg/L	ND	Energy Laboratories	C12110307-001	11/21/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Barium	mg/L	ND	Energy Laboratories	C12110307-001	11/21/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Boron	mg/L	ND	Energy Laboratories	C12110307-001	11/21/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Cadmium	mg/L	ND	Energy Laboratories	C12110307-001	11/27/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Calcium	mg/L	5	Energy Laboratories	C12110307-001	11/21/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Calcium, SAR	meq/L	0.27	Energy Laboratories	C12110307-001	11/21/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Chromium	mg/L	ND	Energy Laboratories	C12110307-001	11/27/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Copper	mg/L	ND	Energy Laboratories	C12110307-001	11/27/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Iron	mg/L	ND	Energy Laboratories	C12110307-001	11/21/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Iron	mg/L	ND	Energy Laboratories	C12110307-001	11/15/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Magnesium	mg/L	ND	Energy Laboratories	C12110307-001	11/21/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12110307-001	11/21/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Manganese	mg/L	0.01	Energy Laboratories	C12110307-001	11/21/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12110307-001	11/21/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Nickel	mg/L	ND	Energy Laboratories	C12110307-001	11/27/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Potassium	mg/L	2	Energy Laboratories	C12110307-001	11/27/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Silica	mg/L	9.0	Energy Laboratories	C12110307-001	11/21/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Sodium	mg/L	100	Energy Laboratories	C12110307-001	11/21/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Sodium, SAR	meq/L	4.36	Energy Laboratories	C12110307-001	11/21/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Vanadium	mg/L	ND	Energy Laboratories	C12110307-001	11/21/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Zinc	mg/L	ND	Energy Laboratories	C12110307-001	11/21/2012	E200.7
Jane Dough	Dry Fork Flowing #5	11/7/2012	Arsenic	mg/L	ND	Energy Laboratories	C12110307-001	11/26/2012	E200.8
Jane Dough	Dry Fork Flowing #5	11/7/2012	Lead	mg/L	ND	Energy Laboratories	C12110307-001	11/26/2012	E200.8
Jane Dough	Dry Fork Flowing #5	11/7/2012	Manganese	mg/L	0.01	Energy Laboratories	C12110307-001	11/15/2012	E200.8
Jane Dough	Dry Fork Flowing #5	11/7/2012	Mercury	mg/L	ND	Energy Laboratories	C12110307-001	11/26/2012	E200.8
Jane Dough	Dry Fork Flowing #5	11/7/2012	Selenium	mg/L	ND	Energy Laboratories	C12110307-001	11/26/2012	E200.8
Jane Dough	Dry Fork Flowing #5	11/7/2012	Uranium	mg/L	0.0022	Energy Laboratories	C12110307-001	11/26/2012	E200.8
Jane Dough	Dry Fork Flowing #5	11/7/2012	Chloride	mg/L	5	Energy Laboratories	C12110307-001	11/9/2012	E300.0
Jane Dough	Dry Fork Flowing #5	11/7/2012	Sulfate	mg/L	61	Energy Laboratories	C12110307-001	11/9/2012	E300.0
Jane Dough	Dry Fork Flowing #5	11/7/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12110307-001	11/8/2012	E353.2
Jane Dough	Dry Fork Flowing #5	11/7/2012	Gross Alpha	pCi/L	3.4	Energy Laboratories	C12110307-001	12/3/2012	E900.0
Jane Dough	Dry Fork Flowing #5	11/7/2012	Gross Alpha MDC	pCi/L	1.8	Energy Laboratories	C12110307-001	12/3/2012	E900.0
Jane Dough	Dry Fork Flowing #5	11/7/2012	Gross Alpha precision (±)	pCi/L	1.2	Energy Laboratories	C12110307-001	12/3/2012	E900.0
Jane Dough	Dry Fork Flowing #5	11/7/2012	Gross Beta	pCi/L	0.5	Energy Laboratories	C12110307-001	12/3/2012	E900.0
Jane Dough	Dry Fork Flowing #5	11/7/2012	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C12110307-001	12/3/2012	E900.0
Jane Dough	Dry Fork Flowing #5	11/7/2012	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C12110307-001	12/3/2012	E900.0
Jane Dough	Dry Fork Flowing #5	11/7/2012	Radium 226	pCi/L	0.08	Energy Laboratories	C12110307-001	11/29/2012	E903.0
Jane Dough	Dry Fork Flowing #5	11/7/2012	Radium 226 MDC	pCi/L	0.09	Energy Laboratories	C12110307-001	11/29/2012	E903.0
Jane Dough	Dry Fork Flowing #5	11/7/2012	Radium 226 precision (±)	pCi/L	0.06	Energy Laboratories	C12110307-001	11/29/2012	E903.0
Jane Dough	Dry Fork Flowing #5	11/7/2012	Radium 228	pCi/L	2.1	Energy Laboratories	C12110307-001	11/19/2012	RA-05
Jane Dough	Dry Fork Flowing #5	11/7/2012	Radium 228 MDC	pCi/L	1.2	Energy Laboratories	C12110307-001	11/19/2012	RA-05
Jane Dough	Dry Fork Flowing #5	11/7/2012	Radium 228 precision (±)	pCi/L	0.81	Energy Laboratories	C12110307-001	11/19/2012	RA-05
Jane Dough	Dry Fork Flowing #5	11/7/2012	Sodium Adsorption Ratio (SAR)	unitless	10.8	Energy Laboratories	C12110307-001	11/28/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Dry Fork Flowing #5	1/7/2013	A/C Balance (± 5)	%	-0.124	Energy Laboratories	C13010170-001	1/14/2013	A1030 E
Jane Dough	Dry Fork Flowing #5	1/7/2013	Anions	meq/L	4.90	Energy Laboratories	C13010170-001	1/14/2013	A1030 E
Jane Dough	Dry Fork Flowing #5	1/7/2013	Cations	meq/L	4.88	Energy Laboratories	C13010170-001	1/14/2013	A1030 E
Jane Dough	Dry Fork Flowing #5	1/7/2013	Solids, Total Dissolved Calculated	mg/L	290	Energy Laboratories	C13010170-001	1/14/2013	A1030 E
Jane Dough	Dry Fork Flowing #5	1/7/2013	TDS Balance (0.80 - 1.20)		0.960	Energy Laboratories	C13010170-001	1/14/2013	A1030 E
Jane Dough	Dry Fork Flowing #5	1/7/2013	Alkalinity, Total as CaCO3	mg/L	172	Energy Laboratories	C13010170-001	1/9/2013	A2320 B
Jane Dough	Dry Fork Flowing #5	1/7/2013	Bicarbonate as HCO3	mg/L	197	Energy Laboratories	C13010170-001	1/9/2013	A2320 B
Jane Dough	Dry Fork Flowing #5	1/7/2013	Carbonate as CO3	mg/L	6	Energy Laboratories	C13010170-001	1/9/2013	A2320 B
Jane Dough	Dry Fork Flowing #5	1/7/2013	Conductivity @ 25 C	umhos/cm	470	Energy Laboratories	C13010170-001	1/8/2013	A2510 B
Jane Dough	Dry Fork Flowing #5	1/7/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	281	Energy Laboratories	C13010170-001	1/9/2013	A2540 C
Jane Dough	Dry Fork Flowing #5	1/7/2013	Fluoride	mg/L	0.4	Energy Laboratories	C13010170-001	1/8/2013	A4500-F C
Jane Dough	Dry Fork Flowing #5	1/7/2013	pH	s.u.	8.69	Energy Laboratories	C13010170-001	1/8/2013	A4500-H B
Jane Dough	Dry Fork Flowing #5	1/7/2013	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C13010170-001	1/11/2013	A4500-NH3 G
Jane Dough	Dry Fork Flowing #5	1/7/2013	Aluminum	mg/L	ND	Energy Laboratories	C13010170-001	1/9/2013	E200.7
Jane Dough	Dry Fork Flowing #5	1/7/2013	Barium	mg/L	ND	Energy Laboratories	C13010170-001	1/9/2013	E200.7
Jane Dough	Dry Fork Flowing #5	1/7/2013	Cadmium	mg/L	ND	Energy Laboratories	C13010170-001	1/9/2013	E200.7
Jane Dough	Dry Fork Flowing #5	1/7/2013	Calcium	mg/L	6	Energy Laboratories	C13010170-001	1/9/2013	E200.7
Jane Dough	Dry Fork Flowing #5	1/7/2013	Calcium, SAR	meq/L	0.31	Energy Laboratories	C13010170-001	1/9/2013	E200.7
Jane Dough	Dry Fork Flowing #5	1/7/2013	Chromium	mg/L	ND	Energy Laboratories	C13010170-001	1/9/2013	E200.7
Jane Dough	Dry Fork Flowing #5	1/7/2013	Copper	mg/L	ND	Energy Laboratories	C13010170-001	1/9/2013	E200.7
Jane Dough	Dry Fork Flowing #5	1/7/2013	Iron	mg/L	ND	Energy Laboratories	C13010170-001	1/9/2013	E200.7
Jane Dough	Dry Fork Flowing #5	1/7/2013	Iron	mg/L	ND	Energy Laboratories	C13010170-001	1/10/2013	E200.7
Jane Dough	Dry Fork Flowing #5	1/7/2013	Magnesium	mg/L	ND	Energy Laboratories	C13010170-001	1/9/2013	E200.7
Jane Dough	Dry Fork Flowing #5	1/7/2013	Magnesium, SAR	meq/L	ND	Energy Laboratories	C13010170-001	1/9/2013	E200.7
Jane Dough	Dry Fork Flowing #5	1/7/2013	Manganese	mg/L	0.02	Energy Laboratories	C13010170-001	1/9/2013	E200.7
Jane Dough	Dry Fork Flowing #5	1/7/2013	Manganese	mg/L	0.02	Energy Laboratories	C13010170-001	1/10/2013	E200.7
Jane Dough	Dry Fork Flowing #5	1/7/2013	Molybdenum	mg/L	ND	Energy Laboratories	C13010170-001	1/9/2013	E200.7
Jane Dough	Dry Fork Flowing #5	1/7/2013	Nickel	mg/L	ND	Energy Laboratories	C13010170-001	1/9/2013	E200.7
Jane Dough	Dry Fork Flowing #5	1/7/2013	Potassium	mg/L	2	Energy Laboratories	C13010170-001	1/9/2013	E200.7
Jane Dough	Dry Fork Flowing #5	1/7/2013	Sodium	mg/L	103	Energy Laboratories	C13010170-001	1/9/2013	E200.7
Jane Dough	Dry Fork Flowing #5	1/7/2013	Sodium, SAR	meq/L	4.46	Energy Laboratories	C13010170-001	1/9/2013	E200.7
Jane Dough	Dry Fork Flowing #5	1/7/2013	Vanadium	mg/L	ND	Energy Laboratories	C13010170-001	1/9/2013	E200.7
Jane Dough	Dry Fork Flowing #5	1/7/2013	Zinc	mg/L	ND	Energy Laboratories	C13010170-001	1/9/2013	E200.7
Jane Dough	Dry Fork Flowing #5	1/7/2013	Arsenic	mg/L	ND	Energy Laboratories	C13010170-001	1/12/2013	E200.8
Jane Dough	Dry Fork Flowing #5	1/7/2013	Boron	mg/L	ND	Energy Laboratories	C13010170-001	1/12/2013	E200.8
Jane Dough	Dry Fork Flowing #5	1/7/2013	Lead	mg/L	ND	Energy Laboratories	C13010170-001	1/12/2013	E200.8
Jane Dough	Dry Fork Flowing #5	1/7/2013	Mercury	mg/L	ND	Energy Laboratories	C13010170-001	1/12/2013	E200.8
Jane Dough	Dry Fork Flowing #5	1/7/2013	Selenium	mg/L	ND	Energy Laboratories	C13010170-001	1/12/2013	E200.8
Jane Dough	Dry Fork Flowing #5	1/7/2013	Silica	mg/L	9.0	Energy Laboratories	C13010170-001	1/12/2013	E200.8
Jane Dough	Dry Fork Flowing #5	1/7/2013	Uranium	mg/L	0.0020	Energy Laboratories	C13010170-001	1/12/2013	E200.8
Jane Dough	Dry Fork Flowing #5	1/7/2013	Chloride	mg/L	5	Energy Laboratories	C13010170-001	1/10/2013	E300.0
Jane Dough	Dry Fork Flowing #5	1/7/2013	Sulfate	mg/L	61	Energy Laboratories	C13010170-001	1/10/2013	E300.0
Jane Dough	Dry Fork Flowing #5	1/7/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C13010170-001	1/9/2013	E353.2
Jane Dough	Dry Fork Flowing #5	1/7/2013	Gross Alpha	pCi/L	5.2	Energy Laboratories	C13010170-001	1/14/2013	E900.0
Jane Dough	Dry Fork Flowing #5	1/7/2013	Gross Alpha MDC	pCi/L	1.8	Energy Laboratories	C13010170-001	1/14/2013	E900.0
Jane Dough	Dry Fork Flowing #5	1/7/2013	Gross Alpha precision (±)	pCi/L	1.3	Energy Laboratories	C13010170-001	1/14/2013	E900.0
Jane Dough	Dry Fork Flowing #5	1/7/2013	Gross Beta	pCi/L	0.6	Energy Laboratories	C13010170-001	1/14/2013	E900.0
Jane Dough	Dry Fork Flowing #5	1/7/2013	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C13010170-001	1/14/2013	E900.0
Jane Dough	Dry Fork Flowing #5	1/7/2013	Gross Beta precision (±)	pCi/L	1.5	Energy Laboratories	C13010170-001	1/14/2013	E900.0
Jane Dough	Dry Fork Flowing #5	1/7/2013	Radium 226	pCi/L	0.26	Energy Laboratories	C13010170-001	1/29/2013	E903.0
Jane Dough	Dry Fork Flowing #5	1/7/2013	Radium 226 MDC	pCi/L	0.15	Energy Laboratories	C13010170-001	1/29/2013	E903.0
Jane Dough	Dry Fork Flowing #5	1/7/2013	Radium 226 precision (±)	pCi/L	0.13	Energy Laboratories	C13010170-001	1/29/2013	E903.0
Jane Dough	Dry Fork Flowing #5	1/7/2013	Radium 228	pCi/L	1.2	Energy Laboratories	C13010170-001	1/22/2013	RA-05
Jane Dough	Dry Fork Flowing #5	1/7/2013	Radium 228 MDC	pCi/L	0.98	Energy Laboratories	C13010170-001	1/22/2013	RA-05
Jane Dough	Dry Fork Flowing #5	1/7/2013	Radium 228 precision (±)	pCi/L	0.65	Energy Laboratories	C13010170-001	1/22/2013	RA-05
Jane Dough	Dry Fork Flowing #5	1/7/2013	Sodium Adsorption Ratio (SAR)	unitless	10.2	Energy Laboratories	C13010170-001	2/1/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Pats Well #1	1/24/2011	A/C Balance (± 5)	%	-1.26	Energy Laboratories	C11010682-002A	2/3/2011	Calculation
Jane Dough	Pats Well #1	1/24/2011	Anions	meq/L	5.96	Energy Laboratories	C11010682-002A	2/3/2011	Calculation
Jane Dough	Pats Well #1	1/24/2011	Bicarbonate as HCO3	mg/L	149	Energy Laboratories	C11010682-002A	1/25/2011	A2320 B
Jane Dough	Pats Well #1	1/24/2011	Carbonate as CO3	mg/L	<5	Energy Laboratories	C11010682-002A	1/25/2011	A2320 B
Jane Dough	Pats Well #1	1/24/2011	Cations	meq/L	5.81	Energy Laboratories	C11010682-002A	2/3/2011	Calculation
Jane Dough	Pats Well #1	1/24/2011	Chloride	mg/L	6	Energy Laboratories	C11010682-002A	1/28/2011	E300.0
Jane Dough	Pats Well #1	1/24/2011	Conductivity @ 25 C	umhos/cm	568	Energy Laboratories	C11010682-002A	1/24/2011	A2510 B
Jane Dough	Pats Well #1	1/24/2011	Fluoride	mg/L	0.2	Energy Laboratories	C11010682-002A	1/28/2011	A4500-F C
Jane Dough	Pats Well #1	1/24/2011	pH	s.u.	8.47	Energy Laboratories	C11010682-002A	1/24/2011	A4500-H B
Jane Dough	Pats Well #1	1/24/2011	Solids, Total Dissolved Calculated	mg/L	384	Energy Laboratories	C11010682-002A	2/3/2011	Calculation
Jane Dough	Pats Well #1	1/24/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	369	Energy Laboratories	C11010682-002A	1/27/2011	A2540 C
Jane Dough	Pats Well #1	1/24/2011	Sulfate	mg/L	160	Energy Laboratories	C11010682-002A	1/28/2011	E300.0
Jane Dough	Pats Well #1	1/24/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11010682-002A	1/25/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Arsenic	mg/L	<0.001	Energy Laboratories	C11010682-002A	1/26/2011	E200.8
Jane Dough	Pats Well #1	1/24/2011	Barium	mg/L	<0.1	Energy Laboratories	C11010682-002A	1/25/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Boron	mg/L	<0.1	Energy Laboratories	C11010682-002A	1/25/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11010682-002A	1/25/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Calcium	mg/L	14	Energy Laboratories	C11010682-002A	1/25/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Calcium, SAR	meq/L	0.72	Energy Laboratories	C11010682-002A	1/25/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11010682-002A	1/25/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Copper	mg/L	<0.01	Energy Laboratories	C11010682-002A	1/25/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Iron	mg/L	0.05	Energy Laboratories	C11010682-002A	1/25/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Lead	mg/L	<0.001	Energy Laboratories	C11010682-002A	1/26/2011	E200.8
Jane Dough	Pats Well #1	1/24/2011	Magnesium	mg/L	1	Energy Laboratories	C11010682-002A	1/25/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Magnesium, SAR	meq/L	0.10	Energy Laboratories	C11010682-002A	1/25/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Manganese	mg/L	0.01	Energy Laboratories	C11010682-002A	1/25/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11010682-002A	1/26/2011	E200.8
Jane Dough	Pats Well #1	1/24/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11010682-002A	1/25/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11010682-002A	1/25/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Potassium	mg/L	3	Energy Laboratories	C11010682-002A	1/25/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11010682-002A	1/27/2011	E200.8
Jane Dough	Pats Well #1	1/24/2011	Silica	mg/L	10.0	Energy Laboratories	C11010682-002A	1/25/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Sodium	mg/L	113	Energy Laboratories	C11010682-002A	1/25/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Sodium Adsorption Ratio (SAR)	unitless	7.7	Energy Laboratories	C11010682-002A	1/25/2011	Calculation
Jane Dough	Pats Well #1	1/24/2011	Sodium, SAR	meq/L	4.93	Energy Laboratories	C11010682-002A	1/25/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Uranium	mg/L	0.0359	Energy Laboratories	C11010682-002A	1/31/2011	E200.8
Jane Dough	Pats Well #1	1/24/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11010682-002A	1/25/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Zinc	mg/L	<0.01	Energy Laboratories	C11010682-002A	1/25/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Iron	mg/L	0.95	Energy Laboratories	C11010682-002A	1/28/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Manganese	mg/L	0.01	Energy Laboratories	C11010682-002A	1/28/2011	E200.7
Jane Dough	Pats Well #1	1/24/2011	Gross Alpha	pCi/L	37.0	Energy Laboratories	C11010682-002A	2/12/2011	E900.0
Jane Dough	Pats Well #1	1/24/2011	Gross Alpha MDC	pCi/L	2.2	Energy Laboratories	C11010682-002A	2/12/2011	E900.0
Jane Dough	Pats Well #1	1/24/2011	Gross Alpha precision (±)	pCi/L	2.8	Energy Laboratories	C11010682-002A	2/12/2011	E900.0
Jane Dough	Pats Well #1	1/24/2011	Gross Beta	pCi/L	12.3	Energy Laboratories	C11010682-002A	2/12/2011	E900.0
Jane Dough	Pats Well #1	1/24/2011	Gross Beta MDC	pCi/L	2.4	Energy Laboratories	C11010682-002A	2/12/2011	E900.0
Jane Dough	Pats Well #1	1/24/2011	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C11010682-002A	2/12/2011	E900.0
Jane Dough	Pats Well #1	1/24/2011	Radium 226	pCi/L	0.16	Energy Laboratories	C11010682-002A	2/14/2011	E903.0
Jane Dough	Pats Well #1	1/24/2011	Radium 226 MDC	pCi/L	0.19	Energy Laboratories	C11010682-002A	2/14/2011	E903.0
Jane Dough	Pats Well #1	1/24/2011	Radium 226 precision (±)	pCi/L	0.13	Energy Laboratories	C11010682-002A	2/14/2011	E903.0
Jane Dough	Pats Well #1	1/24/2011	Radium 228	pCi/L	0.64	Energy Laboratories	C11010682-002A	2/7/2011	RA-05
Jane Dough	Pats Well #1	1/24/2011	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C11010682-002A	2/7/2011	RA-05
Jane Dough	Pats Well #1	1/24/2011	Radium 228 precision (±)	pCi/L	0.68	Energy Laboratories	C11010682-002A	2/7/2011	RA-05
Jane Dough	Pats Well #1	1/24/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11010682-002A	1/25/2011	A4500-NH3 G
Jane Dough	Pats Well #1	1/24/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11010682-002A	1/26/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Pats Well #1	8/10/2011	A/C Balance (± 5)	%	0.0799	Energy Laboratories	C11080459-002A	8/17/2011	Calculation
Jane Dough	Pats Well #1	8/10/2011	Anions	meq/L	5.85	Energy Laboratories	C11080459-002A	8/17/2011	Calculation
Jane Dough	Pats Well #1	8/10/2011	Bicarbonate as HCO3	mg/L	137	Energy Laboratories	C11080459-002A	8/12/2011	A2320 B
Jane Dough	Pats Well #1	8/10/2011	Carbonate as CO3	mg/L	<5	Energy Laboratories	C11080459-002A	8/12/2011	A2320 B
Jane Dough	Pats Well #1	8/10/2011	Cations	meq/L	5.86	Energy Laboratories	C11080459-002A	8/17/2011	Calculation
Jane Dough	Pats Well #1	8/10/2011	Chloride	mg/L	6	Energy Laboratories	C11080459-002A	8/13/2011	E300.0
Jane Dough	Pats Well #1	8/10/2011	Conductivity @ 25 C	umhos/cm	598	Energy Laboratories	C11080459-002A	8/11/2011	A2510 B
Jane Dough	Pats Well #1	8/10/2011	Fluoride	mg/L	0.1	Energy Laboratories	C11080459-002A	8/18/2011	E300.0
Jane Dough	Pats Well #1	8/10/2011	pH	s.u.	8.45	Energy Laboratories	C11080459-002A	8/11/2011	A4500-H B
Jane Dough	Pats Well #1	8/10/2011	Solids, Total Dissolved Calculated	mg/L	381	Energy Laboratories	C11080459-002A	8/17/2011	Calculation
Jane Dough	Pats Well #1	8/10/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	376	Energy Laboratories	C11080459-002A	8/11/2011	A2540 C
Jane Dough	Pats Well #1	8/10/2011	Sulfate	mg/L	161	Energy Laboratories	C11080459-002A	8/13/2011	E300.0
Jane Dough	Pats Well #1	8/10/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Arsenic	mg/L	0.001	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Barium	mg/L	<0.1	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Boron	mg/L	<0.1	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Calcium	mg/L	15	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Copper	mg/L	<0.01	Energy Laboratories	C11080459-002A	8/12/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Iron	mg/L	0.03	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Lead	mg/L	<0.001	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Magnesium	mg/L	1	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Manganese	mg/L	0.01	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Potassium	mg/L	3	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Selenium	mg/L	0.005	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Silica	mg/L	9.1	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Sodium	mg/L	114	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Sodium Adsorption Ratio (SAR)	unitless	7.6	Energy Laboratories	C11080459-002A	8/11/2011	Calculation
Jane Dough	Pats Well #1	8/10/2011	Uranium	mg/L	0.0462	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Zinc	mg/L	<0.01	Energy Laboratories	C11080459-002A	8/11/2011	E200.8
Jane Dough	Pats Well #1	8/10/2011	Gross Alpha	pCi/L	46.6	Energy Laboratories	C11080459-002A	9/8/2011	E900.0
Jane Dough	Pats Well #1	8/10/2011	Gross Alpha MDC	pCi/L	3.5	Energy Laboratories	C11080459-002A	9/8/2011	E900.0
Jane Dough	Pats Well #1	8/10/2011	Gross Alpha precision (±)	pCi/L	3.9	Energy Laboratories	C11080459-002A	9/8/2011	E900.0
Jane Dough	Pats Well #1	8/10/2011	Gross Beta	pCi/L	11.6	Energy Laboratories	C11080459-002A	9/8/2011	E900.0
Jane Dough	Pats Well #1	8/10/2011	Gross Beta MDC	pCi/L	2.5	Energy Laboratories	C11080459-002A	9/8/2011	E900.0
Jane Dough	Pats Well #1	8/10/2011	Gross Beta precision (±)	pCi/L	1.7	Energy Laboratories	C11080459-002A	9/8/2011	E900.0
Jane Dough	Pats Well #1	8/10/2011	Radium 226	pCi/L	-0.1	Energy Laboratories	C11080459-002A	8/29/2011	E903.0
Jane Dough	Pats Well #1	8/10/2011	Radium 226 MDC	pCi/L	0.22	Energy Laboratories	C11080459-002A	8/29/2011	E903.0
Jane Dough	Pats Well #1	8/10/2011	Radium 226 precision (±)	pCi/L	0.09	Energy Laboratories	C11080459-002A	8/29/2011	E903.0
Jane Dough	Pats Well #1	8/10/2011	Radium 228	pCi/L	0.90	Energy Laboratories	C11080459-002A	8/24/2011	RA-05
Jane Dough	Pats Well #1	8/10/2011	Radium 228 MDC	pCi/L	1.4	Energy Laboratories	C11080459-002A	8/24/2011	RA-05
Jane Dough	Pats Well #1	8/10/2011	Radium 228 precision (±)	pCi/L	0.89	Energy Laboratories	C11080459-002A	8/24/2011	RA-05
Jane Dough	Pats Well #1	8/10/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11080459-002A	8/11/2011	A4500-NH3 G
Jane Dough	Pats Well #1	8/10/2011	Nitrogen, Ammonium	mg/L	<0.06439225	Energy Laboratories	C11080459-002A	8/11/2011	A4500-NH3 G
Jane Dough	Pats Well #1	8/10/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11080459-002A	8/16/2011	E353.2
Jane Dough	Pats Well #1	8/10/2011	Iron	mg/L	0.25	Energy Laboratories	C11080459-002A	8/16/2011	E200.7
Jane Dough	Pats Well #1	8/10/2011	Manganese	mg/L	0.01	Energy Laboratories	C11080459-002A	8/16/2011	E200.7

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Pats Well #1	1/20/2012	Bicarbonate as HCO3	mg/L	141	Energy Laboratories	C12010649-004	1/20/2012	A2320 B
Jane Dough	Pats Well #1	1/20/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12010649-004	1/20/2012	A2320 B
Jane Dough	Pats Well #1	1/20/2012	Conductivity @ 25 C	umhos/cm	599	Energy Laboratories	C12010649-004	1/21/2012	A2510 B
Jane Dough	Pats Well #1	1/20/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	377	Energy Laboratories	C12010649-004	1/24/2012	A2540 C
Jane Dough	Pats Well #1	1/20/2012	pH	s.u.	8.41	Energy Laboratories	C12010649-004	1/21/2012	A4500-H B
Jane Dough	Pats Well #1	1/20/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12010649-004	1/23/2012	A4500-NH3 G
Jane Dough	Pats Well #1	1/20/2012	A/C Balance (± 5)	%	0.822	Energy Laboratories	C12010649-004	1/31/2012	Calculation
Jane Dough	Pats Well #1	1/20/2012	Anions	meq/L	5.86	Energy Laboratories	C12010649-004	1/31/2012	Calculation
Jane Dough	Pats Well #1	1/20/2012	Cations	meq/L	5.96	Energy Laboratories	C12010649-004	1/31/2012	Calculation
Jane Dough	Pats Well #1	1/20/2012	Sodium Adsorption Ratio (SAR)	unitless	7.6	Energy Laboratories	C12010649-004	1/25/2012	Calculation
Jane Dough	Pats Well #1	1/20/2012	Solids, Total Dissolved Calculated	mg/L	372	Energy Laboratories	C12010649-004	1/31/2012	Calculation
Jane Dough	Pats Well #1	1/20/2012	Boron	mg/L	ND	Energy Laboratories	C12010649-004	1/30/2012	E200.7
Jane Dough	Pats Well #1	1/20/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12010649-004	1/30/2012	E200.7
Jane Dough	Pats Well #1	1/20/2012	Silica	mg/L	9.8	Energy Laboratories	C12010649-004	1/30/2012	E200.7
Jane Dough	Pats Well #1	1/20/2012	Aluminum	mg/L	ND	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Arsenic	mg/L	0.001	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Barium	mg/L	ND	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Cadmium	mg/L	ND	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Calcium	mg/L	15	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Calcium, SAR	meq/L	0.77	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Chromium	mg/L	ND	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Copper	mg/L	ND	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Iron	mg/L	0.03	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Iron	mg/L	0.18	Energy Laboratories	C12010649-004	1/26/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Lead	mg/L	ND	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Magnesium	mg/L	1	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Magnesium, SAR	meq/L	0.10	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Manganese	mg/L	ND	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Manganese	mg/L	ND	Energy Laboratories	C12010649-004	1/26/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Mercury	mg/L	ND	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Nickel	mg/L	ND	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Potassium	mg/L	3	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Selenium	mg/L	ND	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Sodium	mg/L	116	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Sodium, SAR	meq/L	5.02	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Uranium	mg/L	0.0375	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Vanadium	mg/L	ND	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Zinc	mg/L	ND	Energy Laboratories	C12010649-004	1/25/2012	E200.8
Jane Dough	Pats Well #1	1/20/2012	Chloride	mg/L	6	Energy Laboratories	C12010649-004	1/24/2012	E300.0
Jane Dough	Pats Well #1	1/20/2012	Fluoride	mg/L	0.1	Energy Laboratories	C12010649-004	1/25/2012	E300.0
Jane Dough	Pats Well #1	1/20/2012	Sulfate	mg/L	162	Energy Laboratories	C12010649-004	1/24/2012	E300.0
Jane Dough	Pats Well #1	1/20/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12010649-004	1/24/2012	E353.2
Jane Dough	Pats Well #1	1/20/2012	Gross Alpha	pCi/L	51.1	Energy Laboratories	C12010649-004	2/16/2012	E900.0
Jane Dough	Pats Well #1	1/20/2012	Gross Alpha MDC	pCi/L	3.1	Energy Laboratories	C12010649-004	2/16/2012	E900.0
Jane Dough	Pats Well #1	1/20/2012	Gross Alpha precision (±)	pCi/L	4.0	Energy Laboratories	C12010649-004	2/16/2012	E900.0
Jane Dough	Pats Well #1	1/20/2012	Gross Beta	pCi/L	9.1	Energy Laboratories	C12010649-004	2/16/2012	E900.0
Jane Dough	Pats Well #1	1/20/2012	Gross Beta MDC	pCi/L	2.7	Energy Laboratories	C12010649-004	2/16/2012	E900.0
Jane Dough	Pats Well #1	1/20/2012	Gross Beta precision (±)	pCi/L	1.8	Energy Laboratories	C12010649-004	2/16/2012	E900.0
Jane Dough	Pats Well #1	1/20/2012	Radium 226	pCi/L	0.28	Energy Laboratories	C12010649-004	2/22/2012	E903.0
Jane Dough	Pats Well #1	1/20/2012	Radium 226 MDC	pCi/L	0.11	Energy Laboratories	C12010649-004	2/22/2012	E903.0
Jane Dough	Pats Well #1	1/20/2012	Radium 226 precision (±)	pCi/L	0.11	Energy Laboratories	C12010649-004	2/22/2012	E903.0
Jane Dough	Pats Well #1	1/20/2012	Radium 228	pCi/L	0.2	Energy Laboratories	C12010649-004	2/15/2012	RA-05
Jane Dough	Pats Well #1	1/20/2012	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C12010649-004	2/15/2012	RA-05
Jane Dough	Pats Well #1	1/20/2012	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C12010649-004	2/15/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Pug #1	1/24/2011	A/C Balance (± 5)	%	-0.963	Energy Laboratories	C11010682-001A	2/3/2011	Calculation
Jane Dough	Pug #1	1/24/2011	Anions	meq/L	5.41	Energy Laboratories	C11010682-001A	2/3/2011	Calculation
Jane Dough	Pug #1	1/24/2011	Bicarbonate as HCO3	mg/L	283	Energy Laboratories	C11010682-001A	1/25/2011	A2320 B
Jane Dough	Pug #1	1/24/2011	Carbonate as CO3	mg/L	9	Energy Laboratories	C11010682-001A	1/25/2011	A2320 B
Jane Dough	Pug #1	1/24/2011	Cations	meq/L	5.31	Energy Laboratories	C11010682-001A	2/3/2011	Calculation
Jane Dough	Pug #1	1/24/2011	Chloride	mg/L	3	Energy Laboratories	C11010682-001A	1/28/2011	E300.0
Jane Dough	Pug #1	1/24/2011	Conductivity @ 25 C	umhos/cm	451	Energy Laboratories	C11010682-001A	1/24/2011	A2510 B
Jane Dough	Pug #1	1/24/2011	Fluoride	mg/L	0.8	Energy Laboratories	C11010682-001A	1/28/2011	A4500-F C
Jane Dough	Pug #1	1/24/2011	pH	s.u.	8.64	Energy Laboratories	C11010682-001A	1/24/2011	A4500-H B
Jane Dough	Pug #1	1/24/2011	Solids, Total Dissolved Calculated	mg/L	303	Energy Laboratories	C11010682-001A	2/3/2011	Calculation
Jane Dough	Pug #1	1/24/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	293	Energy Laboratories	C11010682-001A	1/27/2011	A2540 C
Jane Dough	Pug #1	1/24/2011	Sulfate	mg/L	17	Energy Laboratories	C11010682-001A	1/28/2011	E300.0
Jane Dough	Pug #1	1/24/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11010682-001A	1/25/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Arsenic	mg/L	<0.001	Energy Laboratories	C11010682-001A	1/26/2011	E200.8
Jane Dough	Pug #1	1/24/2011	Barium	mg/L	<0.1	Energy Laboratories	C11010682-001A	1/25/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Boron	mg/L	<0.1	Energy Laboratories	C11010682-001A	1/25/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11010682-001A	1/25/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Calcium	mg/L	5	Energy Laboratories	C11010682-001A	1/25/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Calcium, SAR	meq/L	0.26	Energy Laboratories	C11010682-001A	1/25/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11010682-001A	1/25/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Copper	mg/L	<0.01	Energy Laboratories	C11010682-001A	1/25/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Iron	mg/L	<0.03	Energy Laboratories	C11010682-001A	1/25/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Lead	mg/L	<0.001	Energy Laboratories	C11010682-001A	1/26/2011	E200.8
Jane Dough	Pug #1	1/24/2011	Magnesium	mg/L	<1	Energy Laboratories	C11010682-001A	1/25/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Magnesium, SAR	meq/L	<0.0833333	Energy Laboratories	C11010682-001A	1/25/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Manganese	mg/L	0.01	Energy Laboratories	C11010682-001A	1/25/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11010682-001A	1/26/2011	E200.8
Jane Dough	Pug #1	1/24/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11010682-001A	1/25/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11010682-001A	1/25/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Potassium	mg/L	2	Energy Laboratories	C11010682-001A	1/25/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11010682-001A	1/27/2011	E200.8
Jane Dough	Pug #1	1/24/2011	Silica	mg/L	10.4	Energy Laboratories	C11010682-001A	1/25/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Sodium	mg/L	114	Energy Laboratories	C11010682-001A	1/25/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Sodium Adsorption Ratio (SAR)	unitless	12.6	Energy Laboratories	C11010682-001A	1/25/2011	Calculation
Jane Dough	Pug #1	1/24/2011	Sodium, SAR	meq/L	4.95	Energy Laboratories	C11010682-001A	1/25/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Uranium	mg/L	<0.0003	Energy Laboratories	C11010682-001A	1/31/2011	E200.8
Jane Dough	Pug #1	1/24/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11010682-001A	1/25/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Zinc	mg/L	<0.01	Energy Laboratories	C11010682-001A	1/25/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Iron	mg/L	<0.03	Energy Laboratories	C11010682-001A	1/28/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Manganese	mg/L	0.01	Energy Laboratories	C11010682-001A	1/28/2011	E200.7
Jane Dough	Pug #1	1/24/2011	Gross Alpha	pCi/L	-3	Energy Laboratories	C11010682-001A	2/12/2011	E900.0
Jane Dough	Pug #1	1/24/2011	Gross Alpha MDC	pCi/L	2.2	Energy Laboratories	C11010682-001A	2/12/2011	E900.0
Jane Dough	Pug #1	1/24/2011	Gross Alpha precision (±)	pCi/L	1.1	Energy Laboratories	C11010682-001A	2/12/2011	E900.0
Jane Dough	Pug #1	1/24/2011	Gross Beta	pCi/L	1.3	Energy Laboratories	C11010682-001A	2/12/2011	E900.0
Jane Dough	Pug #1	1/24/2011	Gross Beta MDC	pCi/L	2.4	Energy Laboratories	C11010682-001A	2/12/2011	E900.0
Jane Dough	Pug #1	1/24/2011	Gross Beta precision (±)	pCi/L	1.4	Energy Laboratories	C11010682-001A	2/12/2011	E900.0
Jane Dough	Pug #1	1/24/2011	Radium 226	pCi/L	-0.03	Energy Laboratories	C11010682-001A	2/14/2011	E903.0
Jane Dough	Pug #1	1/24/2011	Radium 226 MDC	pCi/L	0.18	Energy Laboratories	C11010682-001A	2/14/2011	E903.0
Jane Dough	Pug #1	1/24/2011	Radium 226 precision (±)	pCi/L	0.1	Energy Laboratories	C11010682-001A	2/14/2011	E903.0
Jane Dough	Pug #1	1/24/2011	Radium 228	pCi/L	0.42	Energy Laboratories	C11010682-001A	2/7/2011	RA-05
Jane Dough	Pug #1	1/24/2011	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C11010682-001A	2/7/2011	RA-05
Jane Dough	Pug #1	1/24/2011	Radium 228 precision (±)	pCi/L	0.65	Energy Laboratories	C11010682-001A	2/7/2011	RA-05
Jane Dough	Pug #1	1/24/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11010682-001A	1/25/2011	A4500-NH3 G
Jane Dough	Pug #1	1/24/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11010682-001A	1/26/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Pug #1	8/12/2011	A/C Balance (± 5)	%	-0.921	Energy Laboratories	C11080557-001A	8/22/2011	Calculation
Jane Dough	Pug #1	8/12/2011	Anions	meq/L	5.05	Energy Laboratories	C11080557-001A	8/22/2011	Calculation
Jane Dough	Pug #1	8/12/2011	Bicarbonate as HCO3	mg/L	267	Energy Laboratories	C11080557-001A	8/16/2011	A2320 B
Jane Dough	Pug #1	8/12/2011	Carbonate as CO3	mg/L	6	Energy Laboratories	C11080557-001A	8/16/2011	A2320 B
Jane Dough	Pug #1	8/12/2011	Cations	meq/L	4.96	Energy Laboratories	C11080557-001A	8/22/2011	Calculation
Jane Dough	Pug #1	8/12/2011	Chloride	mg/L	3	Energy Laboratories	C11080557-001A	8/19/2011	E300.0
Jane Dough	Pug #1	8/12/2011	Conductivity @ 25 C	umhos/cm	471	Energy Laboratories	C11080557-001A	8/15/2011	A2510 B
Jane Dough	Pug #1	8/12/2011	Fluoride	mg/L	0.7	Energy Laboratories	C11080557-001A	8/19/2011	E300.0
Jane Dough	Pug #1	8/12/2011	pH	s.u.	8.51	Energy Laboratories	C11080557-001A	8/15/2011	A4500-H B
Jane Dough	Pug #1	8/12/2011	Solids, Total Dissolved Calculated	mg/L	282	Energy Laboratories	C11080557-001A	8/22/2011	Calculation
Jane Dough	Pug #1	8/12/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	286	Energy Laboratories	C11080557-001A	8/15/2011	A2540 C
Jane Dough	Pug #1	8/12/2011	Sulfate	mg/L	17	Energy Laboratories	C11080557-001A	8/19/2011	E300.0
Jane Dough	Pug #1	8/12/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Arsenic	mg/L	<0.001	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Barium	mg/L	<0.1	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Boron	mg/L	<0.1	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Calcium	mg/L	5	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Calcium, SAR	meq/L	0.25	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Copper	mg/L	<0.01	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Iron	mg/L	<0.03	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Lead	mg/L	<0.001	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Magnesium	mg/L	<1	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Magnesium, SAR	meq/L	<0.0833333	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Manganese	mg/L	0.01	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Potassium	mg/L	2	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Silica	mg/L	8.3	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Sodium	mg/L	106	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Sodium Adsorption Ratio (SAR)	unitless	11.7	Energy Laboratories	C11080557-001A	8/17/2011	Calculation
Jane Dough	Pug #1	8/12/2011	Sodium, SAR	meq/L	4.60	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Uranium	mg/L	<0.0003	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Zinc	mg/L	<0.01	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Iron	mg/L	<0.03	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Manganese	mg/L	0.01	Energy Laboratories	C11080557-001A	8/17/2011	E200.8
Jane Dough	Pug #1	8/12/2011	Gross Alpha	pCi/L	-4	Energy Laboratories	C11080557-001A	9/9/2011	E900.0
Jane Dough	Pug #1	8/12/2011	Gross Alpha MDC	pCi/L	3.1	Energy Laboratories	C11080557-001A	9/9/2011	E900.0
Jane Dough	Pug #1	8/12/2011	Gross Alpha precision (±)	pCi/L	1.6	Energy Laboratories	C11080557-001A	9/9/2011	E900.0
Jane Dough	Pug #1	8/12/2011	Gross Beta	pCi/L	0.9	Energy Laboratories	C11080557-001A	9/9/2011	E900.0
Jane Dough	Pug #1	8/12/2011	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C11080557-001A	9/9/2011	E900.0
Jane Dough	Pug #1	8/12/2011	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C11080557-001A	9/9/2011	E900.0
Jane Dough	Pug #1	8/12/2011	Radium 226	pCi/L	0.05	Energy Laboratories	C11080557-001A	9/9/2011	E903.0
Jane Dough	Pug #1	8/12/2011	Radium 226 MDC	pCi/L	0.15	Energy Laboratories	C11080557-001A	9/9/2011	E903.0
Jane Dough	Pug #1	8/12/2011	Radium 226 precision (±)	pCi/L	0.09	Energy Laboratories	C11080557-001A	9/9/2011	E903.0
Jane Dough	Pug #1	8/12/2011	Radium 228	pCi/L	0.42	Energy Laboratories	C11080557-001A	9/1/2011	RA-05
Jane Dough	Pug #1	8/12/2011	Radium 228 MDC	pCi/L	1.4	Energy Laboratories	C11080557-001A	9/1/2011	RA-05
Jane Dough	Pug #1	8/12/2011	Radium 228 precision (±)	pCi/L	0.85	Energy Laboratories	C11080557-001A	9/1/2011	RA-05
Jane Dough	Pug #1	8/12/2011	Nitrogen, Ammonia as N	mg/L	0.09	Energy Laboratories	C11080557-001A	8/15/2011	A4500-NH3 G
Jane Dough	Pug #1	8/12/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11080557-001A	8/16/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Pug #1	1/23/2012	Bicarbonate as HCO3	mg/L	261	Energy Laboratories	C12010678-002	1/24/2012	A2320 B
Jane Dough	Pug #1	1/23/2012	Carbonate as CO3	mg/L	12	Energy Laboratories	C12010678-002	1/24/2012	A2320 B
Jane Dough	Pug #1	1/23/2012	Conductivity @ 25 C	umhos/cm	493	Energy Laboratories	C12010678-002	1/24/2012	A2510 B
Jane Dough	Pug #1	1/23/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	279	Energy Laboratories	C12010678-002	1/24/2012	A2540 C
Jane Dough	Pug #1	1/23/2012	pH	s.u.	8.53	Energy Laboratories	C12010678-002	1/24/2012	A4500-H B
Jane Dough	Pug #1	1/23/2012	Nitrogen, Ammonia as N	mg/L	0.11	Energy Laboratories	C12010678-002	1/26/2012	A4500-NH3 G
Jane Dough	Pug #1	1/23/2012	A/C Balance (± 5)	%	1.21	Energy Laboratories	C12010678-002	1/31/2012	Calculation
Jane Dough	Pug #1	1/23/2012	Anions	meq/L	5.14	Energy Laboratories	C12010678-002	1/31/2012	Calculation
Jane Dough	Pug #1	1/23/2012	Cations	meq/L	5.26	Energy Laboratories	C12010678-002	1/31/2012	Calculation
Jane Dough	Pug #1	1/23/2012	Sodium Adsorption Ratio (SAR)	unitless	11.9	Energy Laboratories	C12010678-002	1/27/2012	Calculation
Jane Dough	Pug #1	1/23/2012	Solids, Total Dissolved Calculated	mg/L	281	Energy Laboratories	C12010678-002	1/31/2012	Calculation
Jane Dough	Pug #1	1/23/2012	Aluminum	mg/L	ND	Energy Laboratories	C12010678-002	2/2/2012	E200.7
Jane Dough	Pug #1	1/23/2012	Boron	mg/L	ND	Energy Laboratories	C12010678-002	2/2/2012	E200.7
Jane Dough	Pug #1	1/23/2012	Silica	mg/L	10.1	Energy Laboratories	C12010678-002	2/2/2012	E200.7
Jane Dough	Pug #1	1/23/2012	Arsenic	mg/L	ND	Energy Laboratories	C12010678-002	1/25/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Barium	mg/L	ND	Energy Laboratories	C12010678-002	1/25/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Cadmium	mg/L	ND	Energy Laboratories	C12010678-002	1/25/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Calcium	mg/L	6	Energy Laboratories	C12010678-002	1/27/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Calcium, SAR	meq/L	0.28	Energy Laboratories	C12010678-002	1/27/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Chromium	mg/L	ND	Energy Laboratories	C12010678-002	1/25/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Copper	mg/L	ND	Energy Laboratories	C12010678-002	1/25/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Iron	mg/L	ND	Energy Laboratories	C12010678-002	1/27/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Iron	mg/L	ND	Energy Laboratories	C12010678-002	1/26/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Lead	mg/L	ND	Energy Laboratories	C12010678-002	1/25/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Magnesium	mg/L	ND	Energy Laboratories	C12010678-002	1/27/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12010678-002	1/27/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Manganese	mg/L	0.01	Energy Laboratories	C12010678-002	1/25/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Manganese	mg/L	0.01	Energy Laboratories	C12010678-002	1/26/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Mercury	mg/L	ND	Energy Laboratories	C12010678-002	1/25/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12010678-002	1/25/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Nickel	mg/L	ND	Energy Laboratories	C12010678-002	1/25/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Potassium	mg/L	2	Energy Laboratories	C12010678-002	1/27/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Selenium	mg/L	ND	Energy Laboratories	C12010678-002	1/25/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Sodium	mg/L	112	Energy Laboratories	C12010678-002	1/27/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Sodium, SAR	meq/L	4.88	Energy Laboratories	C12010678-002	1/27/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Uranium	mg/L	0.0005	Energy Laboratories	C12010678-002	1/25/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Vanadium	mg/L	ND	Energy Laboratories	C12010678-002	1/25/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Zinc	mg/L	ND	Energy Laboratories	C12010678-002	1/25/2012	E200.8
Jane Dough	Pug #1	1/23/2012	Chloride	mg/L	3	Energy Laboratories	C12010678-002	1/26/2012	E300.0
Jane Dough	Pug #1	1/23/2012	Fluoride	mg/L	0.7	Energy Laboratories	C12010678-002	1/26/2012	E300.0
Jane Dough	Pug #1	1/23/2012	Sulfate	mg/L	17	Energy Laboratories	C12010678-002	1/26/2012	E300.0
Jane Dough	Pug #1	1/23/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12010678-002	1/24/2012	E353.2
Jane Dough	Pug #1	1/23/2012	Gross Alpha	pCi/L	-1	Energy Laboratories	C12010678-002	2/14/2012	E900.0
Jane Dough	Pug #1	1/23/2012	Gross Alpha MDC	pCi/L	3.0	Energy Laboratories	C12010678-002	2/14/2012	E900.0
Jane Dough	Pug #1	1/23/2012	Gross Alpha precision (±)	pCi/L	1.7	Energy Laboratories	C12010678-002	2/14/2012	E900.0
Jane Dough	Pug #1	1/23/2012	Gross Beta	pCi/L	-0.08	Energy Laboratories	C12010678-002	2/14/2012	E900.0
Jane Dough	Pug #1	1/23/2012	Gross Beta MDC	pCi/L	2.7	Energy Laboratories	C12010678-002	2/14/2012	E900.0
Jane Dough	Pug #1	1/23/2012	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C12010678-002	2/14/2012	E900.0
Jane Dough	Pug #1	1/23/2012	Radium 226	pCi/L	0.25	Energy Laboratories	C12010678-002	2/22/2012	E903.0
Jane Dough	Pug #1	1/23/2012	Radium 226 MDC	pCi/L	0.14	Energy Laboratories	C12010678-002	2/22/2012	E903.0
Jane Dough	Pug #1	1/23/2012	Radium 226 precision (±)	pCi/L	0.13	Energy Laboratories	C12010678-002	2/22/2012	E903.0
Jane Dough	Pug #1	1/23/2012	Radium 228	pCi/L	0.59	Energy Laboratories	C12010678-002	2/15/2012	RA-05
Jane Dough	Pug #1	1/23/2012	Radium 228 MDC	pCi/L	1.5	Energy Laboratories	C12010678-002	2/15/2012	RA-05
Jane Dough	Pug #1	1/23/2012	Radium 228 precision (±)	pCi/L	0.90	Energy Laboratories	C12010678-002	2/15/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Pug #2	12/29/2010	A/C Balance (± 5)	%	-4.14	Energy Laboratories	C10120889-001A	1/24/2011	Calculation
Jane Dough	Pug #2	12/29/2010	Anions	meq/L	5.45	Energy Laboratories	C10120889-001A	1/24/2011	Calculation
Jane Dough	Pug #2	12/29/2010	Bicarbonate as HCO3	mg/L	280	Energy Laboratories	C10120889-001A	12/30/2010	A2320 B
Jane Dough	Pug #2	12/29/2010	Carbonate as CO3	mg/L	11	Energy Laboratories	C10120889-001A	12/30/2010	A2320 B
Jane Dough	Pug #2	12/29/2010	Cations	meq/L	5.02	Energy Laboratories	C10120889-001A	1/24/2011	Calculation
Jane Dough	Pug #2	12/29/2010	Chloride	mg/L	3	Energy Laboratories	C10120889-001A	1/4/2011	E300.0
Jane Dough	Pug #2	12/29/2010	Conductivity @ 25 C	umhos/cm	483	Energy Laboratories	C10120889-001A	12/30/2010	A2510 B
Jane Dough	Pug #2	12/29/2010	Fluoride	mg/L	0.7	Energy Laboratories	C10120889-001A	12/30/2010	A4500-F C
Jane Dough	Pug #2	12/29/2010	pH	s.u.	8.60	Energy Laboratories	C10120889-001A	12/30/2010	A4500-H B
Jane Dough	Pug #2	12/29/2010	Solids, Total Dissolved Calculated	mg/L	297	Energy Laboratories	C10120889-001A	1/24/2011	Calculation
Jane Dough	Pug #2	12/29/2010	Solids, Total Dissolved TDS @ 180 C	mg/L	240	Energy Laboratories	C10120889-001A	12/30/2010	A2540 C
Jane Dough	Pug #2	12/29/2010	Sulfate	mg/L	17	Energy Laboratories	C10120889-001A	1/4/2011	E300.0
Jane Dough	Pug #2	12/29/2010	Aluminum	mg/L	<0.1	Energy Laboratories	C10120889-001A	1/5/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Arsenic	mg/L	<0.001	Energy Laboratories	C10120889-001A	1/18/2011	E200.8
Jane Dough	Pug #2	12/29/2010	Barium	mg/L	<0.1	Energy Laboratories	C10120889-001A	1/5/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Boron	mg/L	<0.1	Energy Laboratories	C10120889-001A	1/5/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Cadmium	mg/L	<0.005	Energy Laboratories	C10120889-001A	1/5/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Calcium	mg/L	5	Energy Laboratories	C10120889-001A	1/5/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Calcium, SAR	meq/L	0.25	Energy Laboratories	C10120889-001A	1/5/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Chromium	mg/L	<0.05	Energy Laboratories	C10120889-001A	1/5/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Copper	mg/L	<0.01	Energy Laboratories	C10120889-001A	1/5/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Iron	mg/L	<0.03	Energy Laboratories	C10120889-001A	1/5/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Lead	mg/L	<0.001	Energy Laboratories	C10120889-001A	1/18/2011	E200.8
Jane Dough	Pug #2	12/29/2010	Magnesium	mg/L	<1	Energy Laboratories	C10120889-001A	1/5/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Magnesium, SAR	meq/L	<0.0833333	Energy Laboratories	C10120889-001A	1/5/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Manganese	mg/L	0.01	Energy Laboratories	C10120889-001A	1/5/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Mercury	mg/L	<0.001	Energy Laboratories	C10120889-001A	1/18/2011	E200.8
Jane Dough	Pug #2	12/29/2010	Molybdenum	mg/L	<0.1	Energy Laboratories	C10120889-001A	1/5/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Nickel	mg/L	<0.05	Energy Laboratories	C10120889-001A	1/5/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Potassium	mg/L	2	Energy Laboratories	C10120889-001A	1/5/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Selenium	mg/L	<0.001	Energy Laboratories	C10120889-001A	1/18/2011	E200.8
Jane Dough	Pug #2	12/29/2010	Silica	mg/L	9.8	Energy Laboratories	C10120889-001A	1/5/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Sodium	mg/L	107	Energy Laboratories	C10120889-001A	1/5/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Sodium Adsorption Ratio (SAR)	unitless	12.0	Energy Laboratories	C10120889-001A	1/27/2011	Calculation
Jane Dough	Pug #2	12/29/2010	Sodium, SAR	meq/L	4.66	Energy Laboratories	C10120889-001A	1/5/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Uranium	mg/L	0.0035	Energy Laboratories	C10120889-001A	1/18/2011	E200.8
Jane Dough	Pug #2	12/29/2010	Vanadium	mg/L	<0.1	Energy Laboratories	C10120889-001A	1/5/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Zinc	mg/L	<0.01	Energy Laboratories	C10120889-001A	1/5/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Iron	mg/L	<0.03	Energy Laboratories	C10120889-001A	1/6/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Manganese	mg/L	0.01	Energy Laboratories	C10120889-001A	1/6/2011	E200.7
Jane Dough	Pug #2	12/29/2010	Gross Alpha	pCi/L	-0.2	Energy Laboratories	C10120889-001A	1/14/2011	E900.0
Jane Dough	Pug #2	12/29/2010	Gross Alpha MDC	pCi/L	2.3	Energy Laboratories	C10120889-001A	1/14/2011	E900.0
Jane Dough	Pug #2	12/29/2010	Gross Alpha precision (±)	pCi/L	1.4	Energy Laboratories	C10120889-001A	1/14/2011	E900.0
Jane Dough	Pug #2	12/29/2010	Gross Beta	pCi/L	-0.3	Energy Laboratories	C10120889-001A	1/14/2011	E900.0
Jane Dough	Pug #2	12/29/2010	Gross Beta MDC	pCi/L	2.5	Energy Laboratories	C10120889-001A	1/14/2011	E900.0
Jane Dough	Pug #2	12/29/2010	Gross Beta precision (±)	pCi/L	1.5	Energy Laboratories	C10120889-001A	1/14/2011	E900.0
Jane Dough	Pug #2	12/29/2010	Radium 226	pCi/L	0.21	Energy Laboratories	C10120889-001A	1/17/2011	E903.0
Jane Dough	Pug #2	12/29/2010	Radium 226 MDC	pCi/L	0.20	Energy Laboratories	C10120889-001A	1/17/2011	E903.0
Jane Dough	Pug #2	12/29/2010	Radium 226 precision (±)	pCi/L	0.15	Energy Laboratories	C10120889-001A	1/17/2011	E903.0
Jane Dough	Pug #2	12/29/2010	Radium 228	pCi/L	0.3	Energy Laboratories	C10120889-001A	1/11/2011	RA-05
Jane Dough	Pug #2	12/29/2010	Radium 228 MDC	pCi/L	0.9	Energy Laboratories	C10120889-001A	1/11/2011	RA-05
Jane Dough	Pug #2	12/29/2010	Radium 228 precision (±)	pCi/L	0.5	Energy Laboratories	C10120889-001A	1/11/2011	RA-05
Jane Dough	Pug #2	12/29/2010	Nitrogen, Ammonia as N	mg/L	0.16	Energy Laboratories	C10120889-001A	1/6/2011	A4500-NH3 G
Jane Dough	Pug #2	12/29/2010	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C10120889-001A	12/30/2010	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Seventeen Mile #1	6/28/2010	Bicarbonate as HCO3	mg/L	212	Energy Laboratories	C10061079-002	7/6/2010	A2320 B
Jane Dough	Seventeen Mile #1	6/28/2010	Carbonate as CO3	mg/L	ND	Energy Laboratories	C10061079-002	7/6/2010	A2320 B
Jane Dough	Seventeen Mile #1	6/28/2010	Conductivity @ 25 C	umhos/cm	427	Energy Laboratories	C10061079-002	6/29/2010	A2510 B
Jane Dough	Seventeen Mile #1	6/28/2010	Solids, Total Dissolved TDS @ 180 C	mg/L	271	Energy Laboratories	C10061079-002	6/29/2010	A2540 C
Jane Dough	Seventeen Mile #1	6/28/2010	Fluoride	mg/L	0.6	Energy Laboratories	C10061079-002	7/13/2010	A4500-F C
Jane Dough	Seventeen Mile #1	6/28/2010	pH	s.u.	8.54	Energy Laboratories	C10061079-002	6/29/2010	A4500-H B
Jane Dough	Seventeen Mile #1	6/28/2010	Nitrogen, Ammonia as N	mg/L	0.05	Energy Laboratories	C10061079-002	7/13/2010	A4500-NH3 G
Jane Dough	Seventeen Mile #1	6/28/2010	A/C Balance (± 5)	%	-1.71	Energy Laboratories	C10061079-002	7/12/2010	Calculation
Jane Dough	Seventeen Mile #1	6/28/2010	Anions	meq/L	4.60	Energy Laboratories	C10061079-002	7/12/2010	Calculation
Jane Dough	Seventeen Mile #1	6/28/2010	Cations	meq/L	4.45	Energy Laboratories	C10061079-002	7/12/2010	Calculation
Jane Dough	Seventeen Mile #1	6/28/2010	Boron	mg/L	ND	Energy Laboratories	C10061079-002	7/6/2010	E200.7
Jane Dough	Seventeen Mile #1	6/28/2010	Calcium	mg/L	5	Energy Laboratories	C10061079-002	7/6/2010	E200.7
Jane Dough	Seventeen Mile #1	6/28/2010	Iron	mg/L	0.04	Energy Laboratories	C10061079-002	7/6/2010	E200.7
Jane Dough	Seventeen Mile #1	6/28/2010	Iron	mg/L	0.04	Energy Laboratories	C10061079-002	7/6/2010	E200.7
Jane Dough	Seventeen Mile #1	6/28/2010	Magnesium	mg/L	ND	Energy Laboratories	C10061079-002	7/6/2010	E200.7
Jane Dough	Seventeen Mile #1	6/28/2010	Manganese	mg/L	0.01	Energy Laboratories	C10061079-002	7/6/2010	E200.7
Jane Dough	Seventeen Mile #1	6/28/2010	Potassium	mg/L	2	Energy Laboratories	C10061079-002	7/6/2010	E200.7
Jane Dough	Seventeen Mile #1	6/28/2010	Silica	mg/L	9.5	Energy Laboratories	C10061079-002	7/6/2010	E200.7
Jane Dough	Seventeen Mile #1	6/28/2010	Sodium	mg/L	95	Energy Laboratories	C10061079-002	7/6/2010	E200.7
Jane Dough	Seventeen Mile #1	6/28/2010	Aluminum	mg/L	ND	Energy Laboratories	C10061079-002	7/3/2010	E200.8
Jane Dough	Seventeen Mile #1	6/28/2010	Arsenic	mg/L	ND	Energy Laboratories	C10061079-002	7/3/2010	E200.8
Jane Dough	Seventeen Mile #1	6/28/2010	Barium	mg/L	ND	Energy Laboratories	C10061079-002	7/3/2010	E200.8
Jane Dough	Seventeen Mile #1	6/28/2010	Cadmium	mg/L	ND	Energy Laboratories	C10061079-002	7/3/2010	E200.8
Jane Dough	Seventeen Mile #1	6/28/2010	Chromium	mg/L	ND	Energy Laboratories	C10061079-002	7/3/2010	E200.8
Jane Dough	Seventeen Mile #1	6/28/2010	Copper	mg/L	ND	Energy Laboratories	C10061079-002	7/3/2010	E200.8
Jane Dough	Seventeen Mile #1	6/28/2010	Lead	mg/L	ND	Energy Laboratories	C10061079-002	7/3/2010	E200.8
Jane Dough	Seventeen Mile #1	6/28/2010	Manganese	mg/L	0.01	Energy Laboratories	C10061079-002	7/3/2010	E200.8
Jane Dough	Seventeen Mile #1	6/28/2010	Mercury	mg/L	ND	Energy Laboratories	C10061079-002	7/3/2010	E200.8
Jane Dough	Seventeen Mile #1	6/28/2010	Molybdenum	mg/L	ND	Energy Laboratories	C10061079-002	7/3/2010	E200.8
Jane Dough	Seventeen Mile #1	6/28/2010	Nickel	mg/L	ND	Energy Laboratories	C10061079-002	7/3/2010	E200.8
Jane Dough	Seventeen Mile #1	6/28/2010	Selenium	mg/L	ND	Energy Laboratories	C10061079-002	7/3/2010	E200.8
Jane Dough	Seventeen Mile #1	6/28/2010	Uranium	mg/L	0.0049	Energy Laboratories	C10061079-002	7/3/2010	E200.8
Jane Dough	Seventeen Mile #1	6/28/2010	Vanadium	mg/L	ND	Energy Laboratories	C10061079-002	7/3/2010	E200.8
Jane Dough	Seventeen Mile #1	6/28/2010	Zinc	mg/L	ND	Energy Laboratories	C10061079-002	7/3/2010	E200.8
Jane Dough	Seventeen Mile #1	6/28/2010	Chloride	mg/L	4	Energy Laboratories	C10061079-002	7/8/2010	E300.0
Jane Dough	Seventeen Mile #1	6/28/2010	Sulfate	mg/L	46	Energy Laboratories	C10061079-002	7/8/2010	E300.0
Jane Dough	Seventeen Mile #1	6/28/2010	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C10061079-002	7/7/2010	E353.2
Jane Dough	Seventeen Mile #1	6/28/2010	Gross Alpha	pCi/L	8.6	Energy Laboratories	C10061079-002	7/10/2010	E900.0
Jane Dough	Seventeen Mile #1	6/28/2010	Gross Alpha MDC	pCi/L	2.4	Energy Laboratories	C10061079-002	7/10/2010	E900.0
Jane Dough	Seventeen Mile #1	6/28/2010	Gross Alpha precision (±)	pCi/L	2.0	Energy Laboratories	C10061079-002	7/10/2010	E900.0
Jane Dough	Seventeen Mile #1	6/28/2010	Gross Beta	pCi/L	5.3	Energy Laboratories	C10061079-002	7/10/2010	E900.0
Jane Dough	Seventeen Mile #1	6/28/2010	Gross Beta MDC	pCi/L	2.5	Energy Laboratories	C10061079-002	7/10/2010	E900.0
Jane Dough	Seventeen Mile #1	6/28/2010	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C10061079-002	7/10/2010	E900.0
Jane Dough	Seventeen Mile #1	6/28/2010	Radium 226	pCi/L	-0.006	Energy Laboratories	C10061079-002	7/19/2010	E903.0
Jane Dough	Seventeen Mile #1	6/28/2010	Radium 226 MDC	pCi/L	0.19	Energy Laboratories	C10061079-002	7/19/2010	E903.0
Jane Dough	Seventeen Mile #1	6/28/2010	Radium 226 precision (±)	pCi/L	0.11	Energy Laboratories	C10061079-002	7/19/2010	E903.0
Jane Dough	Seventeen Mile #1	6/28/2010	Thorium 230	pCi/L	0.04	Energy Laboratories	C10061079-002	7/1/2010	E907.0
Jane Dough	Seventeen Mile #1	6/28/2010	Thorium 230 MDC	pCi/L	0.1	Energy Laboratories	C10061079-002	7/1/2010	E907.0
Jane Dough	Seventeen Mile #1	6/28/2010	Thorium 230 precision (±)	pCi/L	0.06	Energy Laboratories	C10061079-002	7/1/2010	E907.0
Jane Dough	Seventeen Mile #1	6/28/2010	Lead 210	pCi/L	-0.3	Energy Laboratories	C10061079-002	7/12/2010	E909.0M
Jane Dough	Seventeen Mile #1	6/28/2010	Lead 210 MDC	pCi/L	2.3	Energy Laboratories	C10061079-002	7/12/2010	E909.0M
Jane Dough	Seventeen Mile #1	6/28/2010	Lead 210 precision (±)	pCi/L	1.4	Energy Laboratories	C10061079-002	7/12/2010	E909.0M
Jane Dough	Seventeen Mile #1	6/28/2010	Radium 228	pCi/L	1.4	Energy Laboratories	C10061079-002	7/14/2010	RA-05
Jane Dough	Seventeen Mile #1	6/28/2010	Radium 228 MDC	pCi/L	1.6	Energy Laboratories	C10061079-002	7/14/2010	RA-05
Jane Dough	Seventeen Mile #1	6/28/2010	Radium 228 precision (±)	pCi/L	1.0	Energy Laboratories	C10061079-002	7/14/2010	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Seventeen Mile #1	7/19/2010	Bicarbonate as HCO3	mg/L	210	Energy Laboratories	C10070657-002	7/23/2010	A2320 B
Jane Dough	Seventeen Mile #1	7/19/2010	Carbonate as CO3	mg/L	5	Energy Laboratories	C10070657-002	7/23/2010	A2320 B
Jane Dough	Seventeen Mile #1	7/19/2010	Conductivity @ 25 C	umhos/cm	426	Energy Laboratories	C10070657-002	7/20/2010	A2510 B
Jane Dough	Seventeen Mile #1	7/19/2010	Solids, Total Dissolved TDS @ 180 C	mg/L	264	Energy Laboratories	C10070657-002	7/20/2010	A2540 C
Jane Dough	Seventeen Mile #1	7/19/2010	Fluoride	mg/L	0.6	Energy Laboratories	C10070657-002	7/22/2010	A4500-F C
Jane Dough	Seventeen Mile #1	7/19/2010	pH	s.u.	7.96	Energy Laboratories	C10070657-002	7/20/2010	A4500-H B
Jane Dough	Seventeen Mile #1	7/19/2010	Nitrogen, Ammonia as N	mg/L	0.09	Energy Laboratories	C10070657-002	8/9/2010	A4500-NH3 G
Jane Dough	Seventeen Mile #1	7/19/2010	Nitrogen, Ammonium	mg/L	0.12	Energy Laboratories	C10070657-002	8/9/2010	A4500-NH3 G
Jane Dough	Seventeen Mile #1	7/19/2010	A/C Balance (± 5)	%	-2.07	Energy Laboratories	C10070657-002	8/2/2010	Calculation
Jane Dough	Seventeen Mile #1	7/19/2010	Anions	meq/L	4.69	Energy Laboratories	C10070657-002	8/2/2010	Calculation
Jane Dough	Seventeen Mile #1	7/19/2010	Cations	meq/L	4.50	Energy Laboratories	C10070657-002	8/2/2010	Calculation
Jane Dough	Seventeen Mile #1	7/19/2010	Sodium Adsorption Ratio (SAR)	unitless	11.0	Energy Laboratories	C10070657-002	7/22/2010	Calculation
Jane Dough	Seventeen Mile #1	7/19/2010	Boron	mg/L	ND	Energy Laboratories	C10070657-002	7/22/2010	E200.7
Jane Dough	Seventeen Mile #1	7/19/2010	Calcium	mg/L	5	Energy Laboratories	C10070657-002	7/22/2010	E200.7
Jane Dough	Seventeen Mile #1	7/19/2010	Calcium, SAR	meq/L	0.24	Energy Laboratories	C10070657-002	7/22/2010	E200.7
Jane Dough	Seventeen Mile #1	7/19/2010	Iron	mg/L	0.03	Energy Laboratories	C10070657-002	7/22/2010	E200.7
Jane Dough	Seventeen Mile #1	7/19/2010	Iron	mg/L	0.05	Energy Laboratories	C10070657-002	7/28/2010	E200.7
Jane Dough	Seventeen Mile #1	7/19/2010	Magnesium	mg/L	ND	Energy Laboratories	C10070657-002	7/22/2010	E200.7
Jane Dough	Seventeen Mile #1	7/19/2010	Magnesium, SAR	meq/L	ND	Energy Laboratories	C10070657-002	7/22/2010	E200.7
Jane Dough	Seventeen Mile #1	7/19/2010	Manganese	mg/L	0.01	Energy Laboratories	C10070657-002	7/28/2010	E200.7
Jane Dough	Seventeen Mile #1	7/19/2010	Potassium	mg/L	2	Energy Laboratories	C10070657-002	7/22/2010	E200.7
Jane Dough	Seventeen Mile #1	7/19/2010	Silica	mg/L	9.4	Energy Laboratories	C10070657-002	7/22/2010	E200.7
Jane Dough	Seventeen Mile #1	7/19/2010	Sodium	mg/L	96	Energy Laboratories	C10070657-002	7/22/2010	E200.7
Jane Dough	Seventeen Mile #1	7/19/2010	Sodium, SAR	meq/L	4.17	Energy Laboratories	C10070657-002	7/22/2010	E200.7
Jane Dough	Seventeen Mile #1	7/19/2010	Aluminum	mg/L	ND	Energy Laboratories	C10070657-002	7/23/2010	E200.8
Jane Dough	Seventeen Mile #1	7/19/2010	Arsenic	mg/L	ND	Energy Laboratories	C10070657-002	7/23/2010	E200.8
Jane Dough	Seventeen Mile #1	7/19/2010	Barium	mg/L	ND	Energy Laboratories	C10070657-002	7/23/2010	E200.8
Jane Dough	Seventeen Mile #1	7/19/2010	Cadmium	mg/L	ND	Energy Laboratories	C10070657-002	7/23/2010	E200.8
Jane Dough	Seventeen Mile #1	7/19/2010	Chromium	mg/L	ND	Energy Laboratories	C10070657-002	7/23/2010	E200.8
Jane Dough	Seventeen Mile #1	7/19/2010	Copper	mg/L	ND	Energy Laboratories	C10070657-002	7/23/2010	E200.8
Jane Dough	Seventeen Mile #1	7/19/2010	Lead	mg/L	ND	Energy Laboratories	C10070657-002	7/23/2010	E200.8
Jane Dough	Seventeen Mile #1	7/19/2010	Manganese	mg/L	0.01	Energy Laboratories	C10070657-002	7/23/2010	E200.8
Jane Dough	Seventeen Mile #1	7/19/2010	Mercury	mg/L	ND	Energy Laboratories	C10070657-002	7/23/2010	E200.8
Jane Dough	Seventeen Mile #1	7/19/2010	Molybdenum	mg/L	ND	Energy Laboratories	C10070657-002	7/23/2010	E200.8
Jane Dough	Seventeen Mile #1	7/19/2010	Nickel	mg/L	ND	Energy Laboratories	C10070657-002	7/23/2010	E200.8
Jane Dough	Seventeen Mile #1	7/19/2010	Selenium	mg/L	ND	Energy Laboratories	C10070657-002	7/23/2010	E200.8
Jane Dough	Seventeen Mile #1	7/19/2010	Uranium	mg/L	0.0047	Energy Laboratories	C10070657-002	7/23/2010	E200.8
Jane Dough	Seventeen Mile #1	7/19/2010	Vanadium	mg/L	ND	Energy Laboratories	C10070657-002	7/23/2010	E200.8
Jane Dough	Seventeen Mile #1	7/19/2010	Zinc	mg/L	ND	Energy Laboratories	C10070657-002	7/23/2010	E200.8
Jane Dough	Seventeen Mile #1	7/19/2010	Chloride	mg/L	4	Energy Laboratories	C10070657-002	7/24/2010	E300.0
Jane Dough	Seventeen Mile #1	7/19/2010	Sulfate	mg/L	45	Energy Laboratories	C10070657-002	7/24/2010	E300.0
Jane Dough	Seventeen Mile #1	7/19/2010	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C10070657-002	7/26/2010	E353.2
Jane Dough	Seventeen Mile #1	7/19/2010	Gross Alpha	pCi/L	8.4	Energy Laboratories	C10070657-002	8/5/2010	E900.0
Jane Dough	Seventeen Mile #1	7/19/2010	Gross Alpha MDC	pCi/L	2.4	Energy Laboratories	C10070657-002	8/5/2010	E900.0
Jane Dough	Seventeen Mile #1	7/19/2010	Gross Alpha precision (±)	pCi/L	1.9	Energy Laboratories	C10070657-002	8/5/2010	E900.0
Jane Dough	Seventeen Mile #1	7/19/2010	Gross Beta	pCi/L	2.2	Energy Laboratories	C10070657-002	8/5/2010	E900.0
Jane Dough	Seventeen Mile #1	7/19/2010	Gross Beta MDC	pCi/L	2.5	Energy Laboratories	C10070657-002	8/5/2010	E900.0
Jane Dough	Seventeen Mile #1	7/19/2010	Gross Beta precision (±)	pCi/L	1.5	Energy Laboratories	C10070657-002	8/5/2010	E900.0
Jane Dough	Seventeen Mile #1	7/19/2010	Radium 226	pCi/L	0.81	Energy Laboratories	C10070657-002	8/9/2010	E903.0
Jane Dough	Seventeen Mile #1	7/19/2010	Radium 226 MDC	pCi/L	0.1	Energy Laboratories	C10070657-002	8/9/2010	E903.0
Jane Dough	Seventeen Mile #1	7/19/2010	Radium 226 precision (±)	pCi/L	0.16	Energy Laboratories	C10070657-002	8/9/2010	E903.0
Jane Dough	Seventeen Mile #1	7/19/2010	Radium 228	pCi/L	-0.1	Energy Laboratories	C10070657-002	8/2/2010	RA-05
Jane Dough	Seventeen Mile #1	7/19/2010	Radium 228 MDC	pCi/L	1.2	Energy Laboratories	C10070657-002	8/2/2010	RA-05
Jane Dough	Seventeen Mile #1	7/19/2010	Radium 228 precision (±)	pCi/L	0.68	Energy Laboratories	C10070657-002	8/2/2010	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Seventeen Mile #1	10/4/2010	A/C Balance (± 5)	mg/L	207	Energy Laboratories	C10100103-003	10/5/2010	A2320 B
Jane Dough	Seventeen Mile #1	10/4/2010	Anions	mg/L	7	Energy Laboratories	C10100103-003	10/5/2010	A2320 B
Jane Dough	Seventeen Mile #1	10/4/2010	Bicarbonate as HCO3	umhos/cm	425	Energy Laboratories	C10100103-003	10/5/2010	A2510 B
Jane Dough	Seventeen Mile #1	10/4/2010	Carbonate as CO3	mg/L	272	Energy Laboratories	C10100103-003	10/7/2010	A2540 C
Jane Dough	Seventeen Mile #1	10/4/2010	Cations	mg/L	0.6	Energy Laboratories	C10100103-003	10/5/2010	A4500-F C
Jane Dough	Seventeen Mile #1	10/4/2010	Chloride	s.u.	8.65	Energy Laboratories	C10100103-003	10/5/2010	A4500-H B
Jane Dough	Seventeen Mile #1	10/4/2010	Conductivity @ 25 C	mg/L	ND	Energy Laboratories	C10100103-003	10/19/2010	A4500-NH3 G
Jane Dough	Seventeen Mile #1	10/4/2010	Fluoride	%	-3.39	Energy Laboratories	C10100103-003	10/26/2010	Calculation
Jane Dough	Seventeen Mile #1	10/4/2010	pH	meq/L	4.69	Energy Laboratories	C10100103-003	10/26/2010	Calculation
Jane Dough	Seventeen Mile #1	10/4/2010	Solids, Total Dissolved Calculated	meq/L	4.39	Energy Laboratories	C10100103-003	10/26/2010	Calculation
Jane Dough	Seventeen Mile #1	10/4/2010	Solids, Total Dissolved TDS @ 180 C	unitless	10.8	Energy Laboratories	C10100103-003	10/7/2010	Calculation
Jane Dough	Seventeen Mile #1	10/4/2010	Sulfate	mg/L	ND	Energy Laboratories	C10100103-003	10/7/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Aluminum	mg/L	ND	Energy Laboratories	C10100103-003	10/7/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Arsenic	mg/L	ND	Energy Laboratories	C10100103-003	10/7/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Barium	mg/L	ND	Energy Laboratories	C10100103-003	10/7/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Boron	mg/L	5	Energy Laboratories	C10100103-003	10/7/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Cadmium	meq/L	0.24	Energy Laboratories	C10100103-003	10/7/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Calcium	mg/L	ND	Energy Laboratories	C10100103-003	10/7/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Calcium, SAR	mg/L	ND	Energy Laboratories	C10100103-003	10/7/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Chromium	mg/L	0.03	Energy Laboratories	C10100103-003	10/7/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Copper	mg/L	0.04	Energy Laboratories	C10100103-003	10/13/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Iron	mg/L	ND	Energy Laboratories	C10100103-003	10/7/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Lead	meq/L	ND	Energy Laboratories	C10100103-003	10/7/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Magnesium	mg/L	0.01	Energy Laboratories	C10100103-003	10/7/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Magnesium, SAR	mg/L	0.01	Energy Laboratories	C10100103-003	10/13/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Manganese	mg/L	ND	Energy Laboratories	C10100103-003	10/7/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Mercury	mg/L	ND	Energy Laboratories	C10100103-003	10/7/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Molybdenum	mg/L	1	Energy Laboratories	C10100103-003	10/7/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Nickel	mg/L	9.2	Energy Laboratories	C10100103-003	10/29/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Potassium	mg/L	94	Energy Laboratories	C10100103-003	10/7/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Selenium	meq/L	4.07	Energy Laboratories	C10100103-003	10/7/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Silica	mg/L	ND	Energy Laboratories	C10100103-003	10/7/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Sodium	mg/L	ND	Energy Laboratories	C10100103-003	10/7/2010	E200.7
Jane Dough	Seventeen Mile #1	10/4/2010	Sodium Adsorption Ratio (SAR)	mg/L	ND	Energy Laboratories	C10100103-003	10/11/2010	E200.8
Jane Dough	Seventeen Mile #1	10/4/2010	Sodium, SAR	mg/L	ND	Energy Laboratories	C10100103-003	10/11/2010	E200.8
Jane Dough	Seventeen Mile #1	10/4/2010	Uranium	mg/L	ND	Energy Laboratories	C10100103-003	10/11/2010	E200.8
Jane Dough	Seventeen Mile #1	10/4/2010	Vanadium	mg/L	ND	Energy Laboratories	C10100103-003	10/11/2010	E200.8
Jane Dough	Seventeen Mile #1	10/4/2010	Zinc	mg/L	0.0047	Energy Laboratories	C10100103-003	10/11/2010	E200.8
Jane Dough	Seventeen Mile #1	10/4/2010	Iron	mg/L	4	Energy Laboratories	C10100103-003	10/15/2010	E300.0
Jane Dough	Seventeen Mile #1	10/4/2010	Manganese	mg/L	45	Energy Laboratories	C10100103-003	10/15/2010	E300.0
Jane Dough	Seventeen Mile #1	10/4/2010	Gross Alpha	mg/L	ND	Energy Laboratories	C10100103-003	10/22/2010	E353.2
Jane Dough	Seventeen Mile #1	10/4/2010	Gross Alpha MDC	pCi/L	6.1	Energy Laboratories	C10100103-003	11/2/2010	E900.0
Jane Dough	Seventeen Mile #1	10/4/2010	Gross Alpha precision (±)	pCi/L	1.9	Energy Laboratories	C10100103-003	11/2/2010	E900.0
Jane Dough	Seventeen Mile #1	10/4/2010	Gross Beta	pCi/L	1.6	Energy Laboratories	C10100103-003	11/2/2010	E900.0
Jane Dough	Seventeen Mile #1	10/4/2010	Gross Beta MDC	pCi/L	0.7	Energy Laboratories	C10100103-003	11/2/2010	E900.0
Jane Dough	Seventeen Mile #1	10/4/2010	Gross Beta precision (±)	pCi/L	2.4	Energy Laboratories	C10100103-003	11/2/2010	E900.0
Jane Dough	Seventeen Mile #1	10/4/2010	Radium 226	pCi/L	1.4	Energy Laboratories	C10100103-003	11/2/2010	E900.0
Jane Dough	Seventeen Mile #1	10/4/2010	Radium 226 MDC	pCi/L	-0.06	Energy Laboratories	C10100103-003	10/27/2010	E903.0
Jane Dough	Seventeen Mile #1	10/4/2010	Radium 226 precision (±)	pCi/L	0.17	Energy Laboratories	C10100103-003	10/27/2010	E903.0
Jane Dough	Seventeen Mile #1	10/4/2010	Radium 228	pCi/L	0.08	Energy Laboratories	C10100103-003	10/27/2010	E903.0
Jane Dough	Seventeen Mile #1	10/4/2010	Radium 228 MDC	pCi/L	0.22	Energy Laboratories	C10100103-003	10/21/2010	RA-05
Jane Dough	Seventeen Mile #1	10/4/2010	Radium 228 precision (±)	pCi/L	1.1	Energy Laboratories	C10100103-003	10/21/2010	RA-05
Jane Dough	Seventeen Mile #1	10/4/2010	Nitrogen, Ammonia as N	pCi/L	0.69	Energy Laboratories	C10100103-003	10/21/2010	RA-05
Jane Dough	Seventeen Mile #1	10/4/2010	Nitrogen, Nitrate+Nitrite as N			Energy Laboratories	C10100103-003		

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Seventeen Mile #1	1/6/2011	A/C Balance (± 5)	%	-2.06	Energy Laboratories	C11010184-001A	1/24/2011	Calculation
Jane Dough	Seventeen Mile #1	1/6/2011	Anions	meq/L	4.54	Energy Laboratories	C11010184-001A	1/24/2011	Calculation
Jane Dough	Seventeen Mile #1	1/6/2011	Bicarbonate as HCO3	mg/L	198	Energy Laboratories	C11010184-001A	1/6/2011	A2320 B
Jane Dough	Seventeen Mile #1	1/6/2011	Carbonate as CO3	mg/L	5	Energy Laboratories	C11010184-001A	1/6/2011	A2320 B
Jane Dough	Seventeen Mile #1	1/6/2011	Cations	meq/L	4.36	Energy Laboratories	C11010184-001A	1/24/2011	Calculation
Jane Dough	Seventeen Mile #1	1/6/2011	Chloride	mg/L	4	Energy Laboratories	C11010184-001A	1/11/2011	E300.0
Jane Dough	Seventeen Mile #1	1/6/2011	Conductivity @ 25 C	umhos/cm	428	Energy Laboratories	C11010184-001A	1/7/2011	A2510 B
Jane Dough	Seventeen Mile #1	1/6/2011	Fluoride	mg/L	0.6	Energy Laboratories	C11010184-001A	1/10/2011	A4500-F C
Jane Dough	Seventeen Mile #1	1/6/2011	pH	s.u.	8.54	Energy Laboratories	C11010184-001A	1/7/2011	A4500-H B
Jane Dough	Seventeen Mile #1	1/6/2011	Solids, Total Dissolved Calculated	mg/L	266	Energy Laboratories	C11010184-001A	1/24/2011	Calculation
Jane Dough	Seventeen Mile #1	1/6/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	280	Energy Laboratories	C11010184-001A	1/7/2011	A2540 C
Jane Dough	Seventeen Mile #1	1/6/2011	Sulfate	mg/L	47	Energy Laboratories	C11010184-001A	1/11/2011	E300.0
Jane Dough	Seventeen Mile #1	1/6/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11010184-001A	1/11/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Arsenic	mg/L	<0.001	Energy Laboratories	C11010184-001A	1/18/2011	E200.8
Jane Dough	Seventeen Mile #1	1/6/2011	Barium	mg/L	<0.1	Energy Laboratories	C11010184-001A	1/11/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Boron	mg/L	<0.1	Energy Laboratories	C11010184-001A	1/11/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11010184-001A	1/11/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Calcium	mg/L	5	Energy Laboratories	C11010184-001A	1/11/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Calcium, SAR	meq/L	0.23	Energy Laboratories	C11010184-001A	1/11/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11010184-001A	1/11/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Copper	mg/L	<0.01	Energy Laboratories	C11010184-001A	1/11/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Iron	mg/L	0.03	Energy Laboratories	C11010184-001A	1/11/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Lead	mg/L	<0.001	Energy Laboratories	C11010184-001A	1/18/2011	E200.8
Jane Dough	Seventeen Mile #1	1/6/2011	Magnesium	mg/L	<1	Energy Laboratories	C11010184-001A	1/11/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Magnesium, SAR	meq/L	<0.0833333	Energy Laboratories	C11010184-001A	1/11/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Manganese	mg/L	0.01	Energy Laboratories	C11010184-001A	1/11/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11010184-001A	1/18/2011	E200.8
Jane Dough	Seventeen Mile #1	1/6/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11010184-001A	1/11/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11010184-001A	1/11/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Potassium	mg/L	1	Energy Laboratories	C11010184-001A	1/11/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11010184-001A	1/18/2011	E200.8
Jane Dough	Seventeen Mile #1	1/6/2011	Silica	mg/L	9.8	Energy Laboratories	C11010184-001A	1/11/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Sodium	mg/L	93	Energy Laboratories	C11010184-001A	1/11/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Sodium Adsorption Ratio (SAR)	unitless	10.8	Energy Laboratories	C11010184-001A	1/11/2011	Calculation
Jane Dough	Seventeen Mile #1	1/6/2011	Sodium, SAR	meq/L	4.04	Energy Laboratories	C11010184-001A	1/11/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Uranium	mg/L	0.0026	Energy Laboratories	C11010184-001A	1/18/2011	E200.8
Jane Dough	Seventeen Mile #1	1/6/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11010184-001A	1/11/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Zinc	mg/L	<0.01	Energy Laboratories	C11010184-001A	1/11/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Iron	mg/L	0.04	Energy Laboratories	C11010184-001A	1/19/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Manganese	mg/L	0.01	Energy Laboratories	C11010184-001A	1/19/2011	E200.7
Jane Dough	Seventeen Mile #1	1/6/2011	Gross Alpha	pCi/L	5.9	Energy Laboratories	C11010184-001A	1/15/2011	E900.0
Jane Dough	Seventeen Mile #1	1/6/2011	Gross Alpha MDC	pCi/L	2.1	Energy Laboratories	C11010184-001A	1/15/2011	E900.0
Jane Dough	Seventeen Mile #1	1/6/2011	Gross Alpha precision (±)	pCi/L	1.6	Energy Laboratories	C11010184-001A	1/15/2011	E900.0
Jane Dough	Seventeen Mile #1	1/6/2011	Gross Beta	pCi/L	-0.9	Energy Laboratories	C11010184-001A	1/15/2011	E900.0
Jane Dough	Seventeen Mile #1	1/6/2011	Gross Beta MDC	pCi/L	2.5	Energy Laboratories	C11010184-001A	1/15/2011	E900.0
Jane Dough	Seventeen Mile #1	1/6/2011	Gross Beta precision (±)	pCi/L	1.5	Energy Laboratories	C11010184-001A	1/15/2011	E900.0
Jane Dough	Seventeen Mile #1	1/6/2011	Radium 226	pCi/L	-0.1	Energy Laboratories	C11010184-001A	1/24/2011	E903.0
Jane Dough	Seventeen Mile #1	1/6/2011	Radium 226 MDC	pCi/L	0.17	Energy Laboratories	C11010184-001A	1/24/2011	E903.0
Jane Dough	Seventeen Mile #1	1/6/2011	Radium 226 precision (±)	pCi/L	0.07	Energy Laboratories	C11010184-001A	1/24/2011	E903.0
Jane Dough	Seventeen Mile #1	1/6/2011	Radium 228	pCi/L	1.0	Energy Laboratories	C11010184-001A	1/19/2011	RA-05
Jane Dough	Seventeen Mile #1	1/6/2011	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C11010184-001A	1/19/2011	RA-05
Jane Dough	Seventeen Mile #1	1/6/2011	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C11010184-001A	1/19/2011	RA-05
Jane Dough	Seventeen Mile #1	1/6/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11010184-001A	1/10/2011	A4500-NH3 G
Jane Dough	Seventeen Mile #1	1/6/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11010184-001A	1/7/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Seventeen Mile #1	8/15/2011	A/C Balance (± 5)	%	1.19	Energy Laboratories	C11080606-001A	8/23/2011	Calculation
Jane Dough	Seventeen Mile #1	8/15/2011	Anions	meq/L	4.38	Energy Laboratories	C11080606-001A	8/23/2011	Calculation
Jane Dough	Seventeen Mile #1	8/15/2011	Bicarbonate as HCO3	mg/L	185	Energy Laboratories	C11080606-001A	8/16/2011	A2320 B
Jane Dough	Seventeen Mile #1	8/15/2011	Carbonate as CO3	mg/L	6	Energy Laboratories	C11080606-001A	8/16/2011	A2320 B
Jane Dough	Seventeen Mile #1	8/15/2011	Cations	meq/L	4.48	Energy Laboratories	C11080606-001A	8/23/2011	Calculation
Jane Dough	Seventeen Mile #1	8/15/2011	Chloride	mg/L	4	Energy Laboratories	C11080606-001A	8/19/2011	E300.0
Jane Dough	Seventeen Mile #1	8/15/2011	Conductivity @ 25 C	umhos/cm	424	Energy Laboratories	C11080606-001A	8/16/2011	A2510 B
Jane Dough	Seventeen Mile #1	8/15/2011	Fluoride	mg/L	0.6	Energy Laboratories	C11080606-001A	8/19/2011	E300.0
Jane Dough	Seventeen Mile #1	8/15/2011	pH	s.u.	8.66	Energy Laboratories	C11080606-001A	8/16/2011	A4500-H B
Jane Dough	Seventeen Mile #1	8/15/2011	Solids, Total Dissolved Calculated	mg/L	262	Energy Laboratories	C11080606-001A	8/23/2011	Calculation
Jane Dough	Seventeen Mile #1	8/15/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	261	Energy Laboratories	C11080606-001A	8/16/2011	A2540 C
Jane Dough	Seventeen Mile #1	8/15/2011	Sulfate	mg/L	47	Energy Laboratories	C11080606-001A	8/19/2011	E300.0
Jane Dough	Seventeen Mile #1	8/15/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11080606-001A	8/17/2011	E200.8
Jane Dough	Seventeen Mile #1	8/15/2011	Arsenic	mg/L	<0.001	Energy Laboratories	C11080606-001A	8/17/2011	E200.8
Jane Dough	Seventeen Mile #1	8/15/2011	Barium	mg/L	<0.1	Energy Laboratories	C11080606-001A	8/17/2011	E200.8
Jane Dough	Seventeen Mile #1	8/15/2011	Boron	mg/L	<0.1	Energy Laboratories	C11080606-001A	8/19/2011	E200.7
Jane Dough	Seventeen Mile #1	8/15/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11080606-001A	8/17/2011	E200.8
Jane Dough	Seventeen Mile #1	8/15/2011	Calcium	mg/L	5	Energy Laboratories	C11080606-001A	8/17/2011	E200.8
Jane Dough	Seventeen Mile #1	8/15/2011	Calcium, SAR	meq/L	0.24	Energy Laboratories	C11080606-001A	8/17/2011	E200.8
Jane Dough	Seventeen Mile #1	8/15/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11080606-001A	8/17/2011	E200.8
Jane Dough	Seventeen Mile #1	8/15/2011	Copper	mg/L	<0.01	Energy Laboratories	C11080606-001A	8/17/2011	E200.8
Jane Dough	Seventeen Mile #1	8/15/2011	Iron	mg/L	0.03	Energy Laboratories	C11080606-001A	8/17/2011	E200.8
Jane Dough	Seventeen Mile #1	8/15/2011	Lead	mg/L	<0.001	Energy Laboratories	C11080606-001A	8/17/2011	E200.8
Jane Dough	Seventeen Mile #1	8/15/2011	Magnesium	mg/L	<1	Energy Laboratories	C11080606-001A	8/19/2011	E200.7
Jane Dough	Seventeen Mile #1	8/15/2011	Magnesium, SAR	meq/L	<0.0833333	Energy Laboratories	C11080606-001A	8/19/2011	E200.7
Jane Dough	Seventeen Mile #1	8/15/2011	Manganese	mg/L	0.01	Energy Laboratories	C11080606-001A	8/17/2011	E200.8
Jane Dough	Seventeen Mile #1	8/15/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11080606-001A	8/17/2011	E200.8
Jane Dough	Seventeen Mile #1	8/15/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11080606-001A	8/17/2011	E200.8
Jane Dough	Seventeen Mile #1	8/15/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11080606-001A	8/17/2011	E200.8
Jane Dough	Seventeen Mile #1	8/15/2011	Potassium	mg/L	2	Energy Laboratories	C11080606-001A	8/17/2011	E200.8
Jane Dough	Seventeen Mile #1	8/15/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11080606-001A	8/17/2011	E200.8
Jane Dough	Seventeen Mile #1	8/15/2011	Silica	mg/L	7.6	Energy Laboratories	C11080606-001A	8/17/2011	E200.8
Jane Dough	Seventeen Mile #1	8/15/2011	Sodium	mg/L	96	Energy Laboratories	C11080606-001A	8/19/2011	E200.7
Jane Dough	Seventeen Mile #1	8/15/2011	Sodium Adsorption Ratio (SAR)	unitless	11.1	Energy Laboratories	C11080606-001A	8/19/2011	Calculation
Jane Dough	Seventeen Mile #1	8/15/2011	Sodium, SAR	meq/L	4.16	Energy Laboratories	C11080606-001A	8/19/2011	E200.7
Jane Dough	Seventeen Mile #1	8/15/2011	Uranium	mg/L	0.0047	Energy Laboratories	C11080606-001A	8/17/2011	E200.8
Jane Dough	Seventeen Mile #1	8/15/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11080606-001A	8/17/2011	E200.8
Jane Dough	Seventeen Mile #1	8/15/2011	Zinc	mg/L	<0.01	Energy Laboratories	C11080606-001A	8/17/2011	E200.8
Jane Dough	Seventeen Mile #1	8/15/2011	Iron	mg/L	0.04	Energy Laboratories	C11080606-001A	8/19/2011	E200.7
Jane Dough	Seventeen Mile #1	8/15/2011	Manganese	mg/L	0.01	Energy Laboratories	C11080606-001A	8/19/2011	E200.7
Jane Dough	Seventeen Mile #1	8/15/2011	Gross Alpha	pCi/L	1.6	Energy Laboratories	C11080606-001A	9/12/2011	E900.0
Jane Dough	Seventeen Mile #1	8/15/2011	Gross Alpha MDC	pCi/L	2.8	Energy Laboratories	C11080606-001A	9/12/2011	E900.0
Jane Dough	Seventeen Mile #1	8/15/2011	Gross Alpha precision (±)	pCi/L	1.8	Energy Laboratories	C11080606-001A	9/12/2011	E900.0
Jane Dough	Seventeen Mile #1	8/15/2011	Gross Beta	pCi/L	-4	Energy Laboratories	C11080606-001A	9/12/2011	E900.0
Jane Dough	Seventeen Mile #1	8/15/2011	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C11080606-001A	9/12/2011	E900.0
Jane Dough	Seventeen Mile #1	8/15/2011	Gross Beta precision (±)	pCi/L	1.5	Energy Laboratories	C11080606-001A	9/12/2011	E900.0
Jane Dough	Seventeen Mile #1	8/15/2011	Radium 226	pCi/L	-0.03	Energy Laboratories	C11080606-001A	9/9/2011	E903.0
Jane Dough	Seventeen Mile #1	8/15/2011	Radium 226 MDC	pCi/L	0.14	Energy Laboratories	C11080606-001A	9/9/2011	E903.0
Jane Dough	Seventeen Mile #1	8/15/2011	Radium 226 precision (±)	pCi/L	0.08	Energy Laboratories	C11080606-001A	9/9/2011	E903.0
Jane Dough	Seventeen Mile #1	8/15/2011	Radium 228	pCi/L	0.88	Energy Laboratories	C11080606-001A	9/1/2011	RA-05
Jane Dough	Seventeen Mile #1	8/15/2011	Radium 228 MDC	pCi/L	1.4	Energy Laboratories	C11080606-001A	9/1/2011	RA-05
Jane Dough	Seventeen Mile #1	8/15/2011	Radium 228 precision (±)	pCi/L	0.85	Energy Laboratories	C11080606-001A	9/1/2011	RA-05
Jane Dough	Seventeen Mile #1	8/15/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11080606-001A	8/24/2011	A4500-NH3 G
Jane Dough	Seventeen Mile #1	8/15/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11080606-001A	8/18/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Seventeen Mile #1	1/20/2012	Bicarbonate as HCO3	mg/L	193	Energy Laboratories	C12010649-006	1/21/2012	A2320 B
Jane Dough	Seventeen Mile #1	1/20/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12010649-006	1/21/2012	A2320 B
Jane Dough	Seventeen Mile #1	1/20/2012	Conductivity @ 25 C	umhos/cm	429	Energy Laboratories	C12010649-006	1/21/2012	A2510 B
Jane Dough	Seventeen Mile #1	1/20/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	248	Energy Laboratories	C12010649-006	1/24/2012	A2540 C
Jane Dough	Seventeen Mile #1	1/20/2012	pH	s.u.	8.64	Energy Laboratories	C12010649-006	1/21/2012	A4500-H B
Jane Dough	Seventeen Mile #1	1/20/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12010649-006	1/23/2012	A4500-NH3 G
Jane Dough	Seventeen Mile #1	1/20/2012	A/C Balance (± 5)	%	2.52	Energy Laboratories	C12010649-006	1/31/2012	Calculation
Jane Dough	Seventeen Mile #1	1/20/2012	Anions	meq/L	4.35	Energy Laboratories	C12010649-006	1/31/2012	Calculation
Jane Dough	Seventeen Mile #1	1/20/2012	Cations	meq/L	4.58	Energy Laboratories	C12010649-006	1/31/2012	Calculation
Jane Dough	Seventeen Mile #1	1/20/2012	Sodium Adsorption Ratio (SAR)	unitless	10.7	Energy Laboratories	C12010649-006	1/25/2012	Calculation
Jane Dough	Seventeen Mile #1	1/20/2012	Solids, Total Dissolved Calculated	mg/L	254	Energy Laboratories	C12010649-006	1/31/2012	Calculation
Jane Dough	Seventeen Mile #1	1/20/2012	Boron	mg/L	ND	Energy Laboratories	C12010649-006	1/30/2012	E200.7
Jane Dough	Seventeen Mile #1	1/20/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12010649-006	1/30/2012	E200.7
Jane Dough	Seventeen Mile #1	1/20/2012	Silica	mg/L	10.0	Energy Laboratories	C12010649-006	1/30/2012	E200.7
Jane Dough	Seventeen Mile #1	1/20/2012	Aluminum	mg/L	ND	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Arsenic	mg/L	ND	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Barium	mg/L	ND	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Cadmium	mg/L	ND	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Calcium	mg/L	5	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Calcium, SAR	meq/L	0.26	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Chromium	mg/L	ND	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Copper	mg/L	ND	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Iron	mg/L	0.03	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Iron	mg/L	0.03	Energy Laboratories	C12010649-006	1/26/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Lead	mg/L	ND	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Magnesium	mg/L	ND	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Manganese	mg/L	0.01	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Manganese	mg/L	0.01	Energy Laboratories	C12010649-006	1/26/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Mercury	mg/L	ND	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Nickel	mg/L	ND	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Potassium	mg/L	2	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Selenium	mg/L	ND	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Sodium	mg/L	97	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Sodium, SAR	meq/L	4.23	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Uranium	mg/L	0.0034	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Vanadium	mg/L	ND	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Zinc	mg/L	ND	Energy Laboratories	C12010649-006	1/25/2012	E200.8
Jane Dough	Seventeen Mile #1	1/20/2012	Chloride	mg/L	4	Energy Laboratories	C12010649-006	1/24/2012	E300.0
Jane Dough	Seventeen Mile #1	1/20/2012	Fluoride	mg/L	0.6	Energy Laboratories	C12010649-006	1/24/2012	E300.0
Jane Dough	Seventeen Mile #1	1/20/2012	Sulfate	mg/L	48	Energy Laboratories	C12010649-006	1/24/2012	E300.0
Jane Dough	Seventeen Mile #1	1/20/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12010649-006	1/24/2012	E353.2
Jane Dough	Seventeen Mile #1	1/20/2012	Gross Alpha	pCi/L	4.2	Energy Laboratories	C12010649-006	2/16/2012	E900.0
Jane Dough	Seventeen Mile #1	1/20/2012	Gross Alpha MDC	pCi/L	2.7	Energy Laboratories	C12010649-006	2/16/2012	E900.0
Jane Dough	Seventeen Mile #1	1/20/2012	Gross Alpha precision (±)	pCi/L	1.9	Energy Laboratories	C12010649-006	2/16/2012	E900.0
Jane Dough	Seventeen Mile #1	1/20/2012	Gross Beta	pCi/L	0.3	Energy Laboratories	C12010649-006	2/16/2012	E900.0
Jane Dough	Seventeen Mile #1	1/20/2012	Gross Beta MDC	pCi/L	2.7	Energy Laboratories	C12010649-006	2/16/2012	E900.0
Jane Dough	Seventeen Mile #1	1/20/2012	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C12010649-006	2/16/2012	E900.0
Jane Dough	Seventeen Mile #1	1/20/2012	Radium 226	pCi/L	0.29	Energy Laboratories	C12010649-006	2/22/2012	E903.0
Jane Dough	Seventeen Mile #1	1/20/2012	Radium 226 MDC	pCi/L	0.12	Energy Laboratories	C12010649-006	2/22/2012	E903.0
Jane Dough	Seventeen Mile #1	1/20/2012	Radium 226 precision (±)	pCi/L	0.12	Energy Laboratories	C12010649-006	2/22/2012	E903.0
Jane Dough	Seventeen Mile #1	1/20/2012	Radium 228	pCi/L	-0.07	Energy Laboratories	C12010649-006	2/15/2012	RA-05
Jane Dough	Seventeen Mile #1	1/20/2012	Radium 228 MDC	pCi/L	1.2	Energy Laboratories	C12010649-006	2/15/2012	RA-05
Jane Dough	Seventeen Mile #1	1/20/2012	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C12010649-006	2/15/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Seventeen Mile #1	7/17/2012	A/C Balance (± 5)	%	-1.46	Energy Laboratories	C12070574-003	7/27/2012	A1030 E
Jane Dough	Seventeen Mile #1	7/17/2012	Anions	meq/L	4.53	Energy Laboratories	C12070574-003	7/27/2012	A1030 E
Jane Dough	Seventeen Mile #1	7/17/2012	Cations	meq/L	4.40	Energy Laboratories	C12070574-003	7/27/2012	A1030 E
Jane Dough	Seventeen Mile #1	7/17/2012	Solids, Total Dissolved Calculated	mg/L	270	Energy Laboratories	C12070574-003	7/27/2012	A1030 E
Jane Dough	Seventeen Mile #1	7/17/2012	TDS Balance (0.80 - 1.20)		1.05	Energy Laboratories	C12070574-003	7/27/2012	A1030 E
Jane Dough	Seventeen Mile #1	7/17/2012	Bicarbonate as HCO3	mg/L	201	Energy Laboratories	C12070574-003	7/18/2012	A2320 B
Jane Dough	Seventeen Mile #1	7/17/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12070574-003	7/18/2012	A2320 B
Jane Dough	Seventeen Mile #1	7/17/2012	Conductivity @ 25 C	umhos/cm	440	Energy Laboratories	C12070574-003	7/18/2012	A2510 B
Jane Dough	Seventeen Mile #1	7/17/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	281	Energy Laboratories	C12070574-003	7/18/2012	A2540 C
Jane Dough	Seventeen Mile #1	7/17/2012	Fluoride	mg/L	0.6	Energy Laboratories	C12070574-003	7/19/2012	A4500-F C
Jane Dough	Seventeen Mile #1	7/17/2012	pH	s.u.	8.6	Energy Laboratories	C12070574-003	7/18/2012	A4500-H B
Jane Dough	Seventeen Mile #1	7/17/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12070574-003	7/20/2012	A4500-NH3 G
Jane Dough	Seventeen Mile #1	7/17/2012	Aluminum	mg/L	ND	Energy Laboratories	C12070574-003	7/19/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Barium	mg/L	ND	Energy Laboratories	C12070574-003	7/19/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Boron	mg/L	ND	Energy Laboratories	C12070574-003	7/19/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Cadmium	mg/L	ND	Energy Laboratories	C12070574-003	7/19/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Calcium	mg/L	5	Energy Laboratories	C12070574-003	7/19/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Calcium, SAR	meq/L	0.25	Energy Laboratories	C12070574-003	7/19/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Chromium	mg/L	ND	Energy Laboratories	C12070574-003	7/19/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Copper	mg/L	ND	Energy Laboratories	C12070574-003	7/19/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Iron	mg/L	0.04	Energy Laboratories	C12070574-003	7/19/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Iron	mg/L	0.04	Energy Laboratories	C12070574-003	7/23/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Magnesium	mg/L	ND	Energy Laboratories	C12070574-003	7/19/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12070574-003	7/19/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Manganese	mg/L	0.01	Energy Laboratories	C12070574-003	7/19/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Manganese	mg/L	0.01	Energy Laboratories	C12070574-003	7/23/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12070574-003	7/19/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Nickel	mg/L	ND	Energy Laboratories	C12070574-003	7/19/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Potassium	mg/L	1	Energy Laboratories	C12070574-003	7/24/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Silica	mg/L	9.2	Energy Laboratories	C12070574-003	7/19/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Sodium	mg/L	93	Energy Laboratories	C12070574-003	7/19/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Sodium, SAR	meq/L	4.07	Energy Laboratories	C12070574-003	7/19/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Vanadium	mg/L	ND	Energy Laboratories	C12070574-003	7/19/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Zinc	mg/L	0.01	Energy Laboratories	C12070574-003	7/19/2012	E200.7
Jane Dough	Seventeen Mile #1	7/17/2012	Arsenic	mg/L	ND	Energy Laboratories	C12070574-003	8/8/2012	E200.8
Jane Dough	Seventeen Mile #1	7/17/2012	Lead	mg/L	ND	Energy Laboratories	C12070574-003	8/8/2012	E200.8
Jane Dough	Seventeen Mile #1	7/17/2012	Mercury	mg/L	ND	Energy Laboratories	C12070574-003	8/8/2012	E200.8
Jane Dough	Seventeen Mile #1	7/17/2012	Selenium	mg/L	ND	Energy Laboratories	C12070574-003	8/8/2012	E200.8
Jane Dough	Seventeen Mile #1	7/17/2012	Uranium	mg/L	0.0044	Energy Laboratories	C12070574-003	8/8/2012	E200.8
Jane Dough	Seventeen Mile #1	7/17/2012	Chloride	mg/L	4	Energy Laboratories	C12070574-003	7/21/2012	E300.0
Jane Dough	Seventeen Mile #1	7/17/2012	Sulfate	mg/L	49	Energy Laboratories	C12070574-003	7/21/2012	E300.0
Jane Dough	Seventeen Mile #1	7/17/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12070574-003	7/23/2012	E353.2
Jane Dough	Seventeen Mile #1	7/17/2012	Gross Alpha	pCi/L	4.3	Energy Laboratories	C12070574-003	7/26/2012	E900.0
Jane Dough	Seventeen Mile #1	7/17/2012	Gross Alpha MDC	pCi/L	1.7	Energy Laboratories	C12070574-003	7/26/2012	E900.0
Jane Dough	Seventeen Mile #1	7/17/2012	Gross Alpha precision (±)	pCi/L	1.2	Energy Laboratories	C12070574-003	7/26/2012	E900.0
Jane Dough	Seventeen Mile #1	7/17/2012	Gross Beta	pCi/L	0.08	Energy Laboratories	C12070574-003	7/26/2012	E900.0
Jane Dough	Seventeen Mile #1	7/17/2012	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C12070574-003	7/26/2012	E900.0
Jane Dough	Seventeen Mile #1	7/17/2012	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C12070574-003	7/26/2012	E900.0
Jane Dough	Seventeen Mile #1	7/17/2012	Radium 226	pCi/L	0.16	Energy Laboratories	C12070574-003	8/1/2012	E903.0
Jane Dough	Seventeen Mile #1	7/17/2012	Radium 226 MDC	pCi/L	0.19	Energy Laboratories	C12070574-003	8/1/2012	E903.0
Jane Dough	Seventeen Mile #1	7/17/2012	Radium 226 precision (±)	pCi/L	0.13	Energy Laboratories	C12070574-003	8/1/2012	E903.0
Jane Dough	Seventeen Mile #1	7/17/2012	Radium 228	pCi/L	0.09	Energy Laboratories	C12070574-003	7/26/2012	RA-05
Jane Dough	Seventeen Mile #1	7/17/2012	Radium 228 MDC	pCi/L	1.2	Energy Laboratories	C12070574-003	7/26/2012	RA-05
Jane Dough	Seventeen Mile #1	7/17/2012	Radium 228 precision (±)	pCi/L	0.69	Energy Laboratories	C12070574-003	7/26/2012	RA-05
Jane Dough	Seventeen Mile #1	7/17/2012	Sodium Adsorption Ratio (SAR)	unitless	10.5	Energy Laboratories	C12070574-003	7/19/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Seventeen Mile #1	11/7/2012	A/C Balance (± 5)	%	-1.51	Energy Laboratories	C12110307-002	11/29/2012	A1030 E
Jane Dough	Seventeen Mile #1	11/7/2012	Anions	meq/L	4.60	Energy Laboratories	C12110307-002	11/29/2012	A1030 E
Jane Dough	Seventeen Mile #1	11/7/2012	Cations	meq/L	4.46	Energy Laboratories	C12110307-002	11/29/2012	A1030 E
Jane Dough	Seventeen Mile #1	11/7/2012	Solids, Total Dissolved Calculated	mg/L	270	Energy Laboratories	C12110307-002	11/29/2012	A1030 E
Jane Dough	Seventeen Mile #1	11/7/2012	TDS Balance (0.80 - 1.20)		1.00	Energy Laboratories	C12110307-002	11/29/2012	A1030 E
Jane Dough	Seventeen Mile #1	11/7/2012	Alkalinity, Total as CaCO3	mg/L	173	Energy Laboratories	C12110307-002	11/8/2012	A2320 B
Jane Dough	Seventeen Mile #1	11/7/2012	Bicarbonate as HCO3	mg/L	201	Energy Laboratories	C12110307-002	11/8/2012	A2320 B
Jane Dough	Seventeen Mile #1	11/7/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12110307-002	11/8/2012	A2320 B
Jane Dough	Seventeen Mile #1	11/7/2012	Conductivity @ 25 C	umhos/cm	429	Energy Laboratories	C12110307-002	11/8/2012	A2510 B
Jane Dough	Seventeen Mile #1	11/7/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	269	Energy Laboratories	C12110307-002	11/9/2012	A2540 C
Jane Dough	Seventeen Mile #1	11/7/2012	Fluoride	mg/L	0.6	Energy Laboratories	C12110307-002	11/9/2012	A4500-F C
Jane Dough	Seventeen Mile #1	11/7/2012	pH	s.u.	8.66	Energy Laboratories	C12110307-002	11/8/2012	A4500-H B
Jane Dough	Seventeen Mile #1	11/7/2012	Nitrogen, Ammonia as N	mg/L	0.05	Energy Laboratories	C12110307-002	11/13/2012	A4500-NH3 G
Jane Dough	Seventeen Mile #1	11/7/2012	Aluminum	mg/L	ND	Energy Laboratories	C12110307-002	11/21/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Barium	mg/L	ND	Energy Laboratories	C12110307-002	11/21/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Boron	mg/L	ND	Energy Laboratories	C12110307-002	11/21/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Cadmium	mg/L	ND	Energy Laboratories	C12110307-002	11/27/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Calcium	mg/L	5	Energy Laboratories	C12110307-002	11/21/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Calcium, SAR	meq/L	0.24	Energy Laboratories	C12110307-002	11/21/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Chromium	mg/L	ND	Energy Laboratories	C12110307-002	11/27/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Copper	mg/L	ND	Energy Laboratories	C12110307-002	11/27/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Iron	mg/L	0.03	Energy Laboratories	C12110307-002	11/21/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Iron	mg/L	0.04	Energy Laboratories	C12110307-002	11/15/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Magnesium	mg/L	ND	Energy Laboratories	C12110307-002	11/21/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12110307-002	11/21/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Manganese	mg/L	0.01	Energy Laboratories	C12110307-002	11/21/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12110307-002	11/21/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Nickel	mg/L	ND	Energy Laboratories	C12110307-002	11/27/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Potassium	mg/L	1	Energy Laboratories	C12110307-002	11/27/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Silica	mg/L	8.9	Energy Laboratories	C12110307-002	11/21/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Sodium	mg/L	95	Energy Laboratories	C12110307-002	11/21/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Sodium, SAR	meq/L	4.13	Energy Laboratories	C12110307-002	11/21/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Vanadium	mg/L	ND	Energy Laboratories	C12110307-002	11/21/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Zinc	mg/L	ND	Energy Laboratories	C12110307-002	11/21/2012	E200.7
Jane Dough	Seventeen Mile #1	11/7/2012	Arsenic	mg/L	ND	Energy Laboratories	C12110307-002	11/26/2012	E200.8
Jane Dough	Seventeen Mile #1	11/7/2012	Lead	mg/L	ND	Energy Laboratories	C12110307-002	11/26/2012	E200.8
Jane Dough	Seventeen Mile #1	11/7/2012	Manganese	mg/L	0.01	Energy Laboratories	C12110307-002	11/15/2012	E200.8
Jane Dough	Seventeen Mile #1	11/7/2012	Mercury	mg/L	ND	Energy Laboratories	C12110307-002	11/26/2012	E200.8
Jane Dough	Seventeen Mile #1	11/7/2012	Selenium	mg/L	ND	Energy Laboratories	C12110307-002	11/26/2012	E200.8
Jane Dough	Seventeen Mile #1	11/7/2012	Uranium	mg/L	0.0048	Energy Laboratories	C12110307-002	11/26/2012	E200.8
Jane Dough	Seventeen Mile #1	11/7/2012	Chloride	mg/L	4	Energy Laboratories	C12110307-002	11/9/2012	E300.0
Jane Dough	Seventeen Mile #1	11/7/2012	Sulfate	mg/L	48	Energy Laboratories	C12110307-002	11/9/2012	E300.0
Jane Dough	Seventeen Mile #1	11/7/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12110307-002	11/8/2012	E353.2
Jane Dough	Seventeen Mile #1	11/7/2012	Gross Alpha	pCi/L	7.7	Energy Laboratories	C12110307-002	12/3/2012	E900.0
Jane Dough	Seventeen Mile #1	11/7/2012	Gross Alpha MDC	pCi/L	1.7	Energy Laboratories	C12110307-002	12/3/2012	E900.0
Jane Dough	Seventeen Mile #1	11/7/2012	Gross Alpha precision (±)	pCi/L	1.4	Energy Laboratories	C12110307-002	12/3/2012	E900.0
Jane Dough	Seventeen Mile #1	11/7/2012	Gross Beta	pCi/L	1.2	Energy Laboratories	C12110307-002	12/3/2012	E900.0
Jane Dough	Seventeen Mile #1	11/7/2012	Gross Beta MDC	pCi/L	2.5	Energy Laboratories	C12110307-002	12/3/2012	E900.0
Jane Dough	Seventeen Mile #1	11/7/2012	Gross Beta precision (±)	pCi/L	1.5	Energy Laboratories	C12110307-002	12/3/2012	E900.0
Jane Dough	Seventeen Mile #1	11/7/2012	Radium 226	pCi/L	0.08	Energy Laboratories	C12110307-002	11/29/2012	E903.0
Jane Dough	Seventeen Mile #1	11/7/2012	Radium 226 MDC	pCi/L	0.09	Energy Laboratories	C12110307-002	11/29/2012	E903.0
Jane Dough	Seventeen Mile #1	11/7/2012	Radium 226 precision (±)	pCi/L	0.06	Energy Laboratories	C12110307-002	11/29/2012	E903.0
Jane Dough	Seventeen Mile #1	11/7/2012	Radium 228	pCi/L	1.3	Energy Laboratories	C12110307-002	11/19/2012	RA-05
Jane Dough	Seventeen Mile #1	11/7/2012	Radium 228 MDC	pCi/L	1.2	Energy Laboratories	C12110307-002	11/19/2012	RA-05
Jane Dough	Seventeen Mile #1	11/7/2012	Radium 228 precision (±)	pCi/L	0.80	Energy Laboratories	C12110307-002	11/19/2012	RA-05
Jane Dough	Seventeen Mile #1	11/7/2012	Sodium Adsorption Ratio (SAR)	unitless	10.8	Energy Laboratories	C12110307-002	11/28/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	Seventeen Mile #1	1/7/2013	A/C Balance (± 5)	%	-0.716	Energy Laboratories	C13010170-002	1/14/2013	A1030 E
Jane Dough	Seventeen Mile #1	1/7/2013	Anions	meq/L	4.63	Energy Laboratories	C13010170-002	1/14/2013	A1030 E
Jane Dough	Seventeen Mile #1	1/7/2013	Cations	meq/L	4.56	Energy Laboratories	C13010170-002	1/14/2013	A1030 E
Jane Dough	Seventeen Mile #1	1/7/2013	Solids, Total Dissolved Calculated	mg/L	270	Energy Laboratories	C13010170-002	1/14/2013	A1030 E
Jane Dough	Seventeen Mile #1	1/7/2013	TDS Balance (0.80 - 1.20)		0.970	Energy Laboratories	C13010170-002	1/14/2013	A1030 E
Jane Dough	Seventeen Mile #1	1/7/2013	Alkalinity, Total as CaCO3	mg/L	174	Energy Laboratories	C13010170-002	1/9/2013	A2320 B
Jane Dough	Seventeen Mile #1	1/7/2013	Bicarbonate as HCO3	mg/L	201	Energy Laboratories	C13010170-002	1/9/2013	A2320 B
Jane Dough	Seventeen Mile #1	1/7/2013	Carbonate as CO3	mg/L	6	Energy Laboratories	C13010170-002	1/9/2013	A2320 B
Jane Dough	Seventeen Mile #1	1/7/2013	Conductivity @ 25 C	umhos/cm	438	Energy Laboratories	C13010170-002	1/8/2013	A2510 B
Jane Dough	Seventeen Mile #1	1/7/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	264	Energy Laboratories	C13010170-002	1/9/2013	A2540 C
Jane Dough	Seventeen Mile #1	1/7/2013	Fluoride	mg/L	0.6	Energy Laboratories	C13010170-002	1/8/2013	A4500-F C
Jane Dough	Seventeen Mile #1	1/7/2013	pH	s.u.	8.61	Energy Laboratories	C13010170-002	1/8/2013	A4500-H B
Jane Dough	Seventeen Mile #1	1/7/2013	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C13010170-002	1/11/2013	A4500-NH3 G
Jane Dough	Seventeen Mile #1	1/7/2013	Aluminum	mg/L	ND	Energy Laboratories	C13010170-002	1/9/2013	E200.7
Jane Dough	Seventeen Mile #1	1/7/2013	Barium	mg/L	ND	Energy Laboratories	C13010170-002	1/9/2013	E200.7
Jane Dough	Seventeen Mile #1	1/7/2013	Cadmium	mg/L	ND	Energy Laboratories	C13010170-002	1/9/2013	E200.7
Jane Dough	Seventeen Mile #1	1/7/2013	Calcium	mg/L	6	Energy Laboratories	C13010170-002	1/9/2013	E200.7
Jane Dough	Seventeen Mile #1	1/7/2013	Calcium, SAR	meq/L	0.28	Energy Laboratories	C13010170-002	1/9/2013	E200.7
Jane Dough	Seventeen Mile #1	1/7/2013	Chromium	mg/L	ND	Energy Laboratories	C13010170-002	1/9/2013	E200.7
Jane Dough	Seventeen Mile #1	1/7/2013	Copper	mg/L	ND	Energy Laboratories	C13010170-002	1/9/2013	E200.7
Jane Dough	Seventeen Mile #1	1/7/2013	Iron	mg/L	0.04	Energy Laboratories	C13010170-002	1/9/2013	E200.7
Jane Dough	Seventeen Mile #1	1/7/2013	Iron	mg/L	0.17	Energy Laboratories	C13010170-002	1/10/2013	E200.7
Jane Dough	Seventeen Mile #1	1/7/2013	Magnesium	mg/L	ND	Energy Laboratories	C13010170-002	1/9/2013	E200.7
Jane Dough	Seventeen Mile #1	1/7/2013	Magnesium, SAR	meq/L	ND	Energy Laboratories	C13010170-002	1/9/2013	E200.7
Jane Dough	Seventeen Mile #1	1/7/2013	Manganese	mg/L	0.01	Energy Laboratories	C13010170-002	1/9/2013	E200.7
Jane Dough	Seventeen Mile #1	1/7/2013	Manganese	mg/L	0.01	Energy Laboratories	C13010170-002	1/10/2013	E200.7
Jane Dough	Seventeen Mile #1	1/7/2013	Molybdenum	mg/L	ND	Energy Laboratories	C13010170-002	1/9/2013	E200.7
Jane Dough	Seventeen Mile #1	1/7/2013	Nickel	mg/L	ND	Energy Laboratories	C13010170-002	1/9/2013	E200.7
Jane Dough	Seventeen Mile #1	1/7/2013	Potassium	mg/L	2	Energy Laboratories	C13010170-002	1/9/2013	E200.7
Jane Dough	Seventeen Mile #1	1/7/2013	Sodium	mg/L	96	Energy Laboratories	C13010170-002	1/9/2013	E200.7
Jane Dough	Seventeen Mile #1	1/7/2013	Sodium, SAR	meq/L	4.19	Energy Laboratories	C13010170-002	1/9/2013	E200.7
Jane Dough	Seventeen Mile #1	1/7/2013	Vanadium	mg/L	ND	Energy Laboratories	C13010170-002	1/9/2013	E200.7
Jane Dough	Seventeen Mile #1	1/7/2013	Zinc	mg/L	0.02	Energy Laboratories	C13010170-002	1/9/2013	E200.7
Jane Dough	Seventeen Mile #1	1/7/2013	Arsenic	mg/L	ND	Energy Laboratories	C13010170-002	1/12/2013	E200.8
Jane Dough	Seventeen Mile #1	1/7/2013	Boron	mg/L	ND	Energy Laboratories	C13010170-002	1/12/2013	E200.8
Jane Dough	Seventeen Mile #1	1/7/2013	Lead	mg/L	ND	Energy Laboratories	C13010170-002	1/12/2013	E200.8
Jane Dough	Seventeen Mile #1	1/7/2013	Mercury	mg/L	ND	Energy Laboratories	C13010170-002	1/12/2013	E200.8
Jane Dough	Seventeen Mile #1	1/7/2013	Selenium	mg/L	ND	Energy Laboratories	C13010170-002	1/12/2013	E200.8
Jane Dough	Seventeen Mile #1	1/7/2013	Silica	mg/L	8.8	Energy Laboratories	C13010170-002	1/12/2013	E200.8
Jane Dough	Seventeen Mile #1	1/7/2013	Uranium	mg/L	0.0046	Energy Laboratories	C13010170-002	1/12/2013	E200.8
Jane Dough	Seventeen Mile #1	1/7/2013	Chloride	mg/L	4	Energy Laboratories	C13010170-002	1/10/2013	E300.0
Jane Dough	Seventeen Mile #1	1/7/2013	Sulfate	mg/L	47	Energy Laboratories	C13010170-002	1/10/2013	E300.0
Jane Dough	Seventeen Mile #1	1/7/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C13010170-002	1/9/2013	E353.2
Jane Dough	Seventeen Mile #1	1/7/2013	Gross Alpha	pCi/L	5.8	Energy Laboratories	C13010170-002	1/14/2013	E900.0
Jane Dough	Seventeen Mile #1	1/7/2013	Gross Alpha MDC	pCi/L	1.6	Energy Laboratories	C13010170-002	1/14/2013	E900.0
Jane Dough	Seventeen Mile #1	1/7/2013	Gross Alpha precision (±)	pCi/L	1.2	Energy Laboratories	C13010170-002	1/14/2013	E900.0
Jane Dough	Seventeen Mile #1	1/7/2013	Gross Beta	pCi/L	-0.2	Energy Laboratories	C13010170-002	1/14/2013	E900.0
Jane Dough	Seventeen Mile #1	1/7/2013	Gross Beta MDC	pCi/L	2.7	Energy Laboratories	C13010170-002	1/14/2013	E900.0
Jane Dough	Seventeen Mile #1	1/7/2013	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C13010170-002	1/14/2013	E900.0
Jane Dough	Seventeen Mile #1	1/7/2013	Radium 226	pCi/L	0.20	Energy Laboratories	C13010170-002	1/29/2013	E903.0
Jane Dough	Seventeen Mile #1	1/7/2013	Radium 226 MDC	pCi/L	0.16	Energy Laboratories	C13010170-002	1/29/2013	E903.0
Jane Dough	Seventeen Mile #1	1/7/2013	Radium 226 precision (±)	pCi/L	0.12	Energy Laboratories	C13010170-002	1/29/2013	E903.0
Jane Dough	Seventeen Mile #1	1/7/2013	Radium 228	pCi/L	1.2	Energy Laboratories	C13010170-002	1/22/2013	RA-05
Jane Dough	Seventeen Mile #1	1/7/2013	Radium 228 MDC	pCi/L	1.0	Energy Laboratories	C13010170-002	1/22/2013	RA-05
Jane Dough	Seventeen Mile #1	1/7/2013	Radium 228 precision (±)	pCi/L	0.65	Energy Laboratories	C13010170-002	1/22/2013	RA-05
Jane Dough	Seventeen Mile #1	1/7/2013	Sodium Adsorption Ratio (SAR)	unitless	10.3	Energy Laboratories	C13010170-002	2/1/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJ1-12	9/1/2011	A/C Balance (± 5)	%	-3.59	Energy Laboratories	C11090068-002A	10/3/2011	Calculation
Jane Dough	URZJ1-12	9/1/2011	Anions	meq/L	3.96	Energy Laboratories	C11090068-002A	10/3/2011	Calculation
Jane Dough	URZJ1-12	9/1/2011	Bicarbonate as HCO3	mg/L	160	Energy Laboratories	C11090068-002A	9/7/2011	A2320 B
Jane Dough	URZJ1-12	9/1/2011	Carbonate as CO3	mg/L	36	Energy Laboratories	C11090068-002A	9/7/2011	A2320 B
Jane Dough	URZJ1-12	9/1/2011	Cations	meq/L	3.69	Energy Laboratories	C11090068-002A	10/3/2011	Calculation
Jane Dough	URZJ1-12	9/1/2011	Chloride	mg/L	3	Energy Laboratories	C11090068-002A	9/4/2011	E300.0
Jane Dough	URZJ1-12	9/1/2011	Conductivity @ 25 C	umhos/cm	391	Energy Laboratories	C11090068-002A	9/2/2011	A2510 B
Jane Dough	URZJ1-12	9/1/2011	Fluoride	mg/L	0.6	Energy Laboratories	C11090068-002A	9/8/2011	A4500-F C
Jane Dough	URZJ1-12	9/1/2011	pH	s.u.	9.62	Energy Laboratories	C11090068-002A	9/2/2011	A4500-H B
Jane Dough	URZJ1-12	9/1/2011	Solids, Total Dissolved Calculated	mg/L	218	Energy Laboratories	C11090068-002A	10/3/2011	Calculation
Jane Dough	URZJ1-12	9/1/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	218	Energy Laboratories	C11090068-002A	9/2/2011	A2540 C
Jane Dough	URZJ1-12	9/1/2011	Sulfate	mg/L	2	Energy Laboratories	C11090068-002A	9/4/2011	E300.0
Jane Dough	URZJ1-12	9/1/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Arsenic	mg/L	<0.001	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Barium	mg/L	<0.1	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Boron	mg/L	<0.1	Energy Laboratories	C11090068-002A	9/26/2011	E200.7
Jane Dough	URZJ1-12	9/1/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Calcium	mg/L	4	Energy Laboratories	C11090068-002A	9/26/2011	E200.7
Jane Dough	URZJ1-12	9/1/2011	Calcium, SAR	meq/L	0.19	Energy Laboratories	C11090068-002A	9/26/2011	E200.7
Jane Dough	URZJ1-12	9/1/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Copper	mg/L	<0.01	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Iron	mg/L	<0.03	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Lead	mg/L	<0.001	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Magnesium	mg/L	<1	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Magnesium, SAR	meq/L	<0.0833333	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Potassium	mg/L	4	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Silica	mg/L	10.1	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Sodium	mg/L	77	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Sodium Adsorption Ratio (SAR)	unitless	10.2	Energy Laboratories	C11090068-002A	9/26/2011	Calculation
Jane Dough	URZJ1-12	9/1/2011	Sodium, SAR	meq/L	3.36	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Uranium	mg/L	<0.0003	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Zinc	mg/L	<0.01	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Iron	mg/L	0.44	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11090068-002A	9/8/2011	E200.8
Jane Dough	URZJ1-12	9/1/2011	Gross Alpha	pCi/L	-3	Energy Laboratories	C11090068-002A	9/24/2011	E900.0
Jane Dough	URZJ1-12	9/1/2011	Gross Alpha MDC	pCi/L	2.6	Energy Laboratories	C11090068-002A	9/24/2011	E900.0
Jane Dough	URZJ1-12	9/1/2011	Gross Alpha precision (±)	pCi/L	1.3	Energy Laboratories	C11090068-002A	9/24/2011	E900.0
Jane Dough	URZJ1-12	9/1/2011	Gross Beta	pCi/L	4.3	Energy Laboratories	C11090068-002A	9/24/2011	E900.0
Jane Dough	URZJ1-12	9/1/2011	Gross Beta MDC	pCi/L	2.5	Energy Laboratories	C11090068-002A	9/24/2011	E900.0
Jane Dough	URZJ1-12	9/1/2011	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C11090068-002A	9/24/2011	E900.0
Jane Dough	URZJ1-12	9/1/2011	Radium 226	pCi/L	-0.02	Energy Laboratories	C11090068-002A	9/27/2011	E903.0
Jane Dough	URZJ1-12	9/1/2011	Radium 226 MDC	pCi/L	0.23	Energy Laboratories	C11090068-002A	9/27/2011	E903.0
Jane Dough	URZJ1-12	9/1/2011	Radium 226 precision (±)	pCi/L	0.13	Energy Laboratories	C11090068-002A	9/27/2011	E903.0
Jane Dough	URZJ1-12	9/1/2011	Radium 228	pCi/L	0.3	Energy Laboratories	C11090068-002A	9/22/2011	RA-05
Jane Dough	URZJ1-12	9/1/2011	Radium 228 MDC	pCi/L	1.2	Energy Laboratories	C11090068-002A	9/22/2011	RA-05
Jane Dough	URZJ1-12	9/1/2011	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C11090068-002A	9/22/2011	RA-05
Jane Dough	URZJ1-12	9/1/2011	Nitrogen, Ammonia as N	mg/L	0.06	Energy Laboratories	C11090068-002A	9/2/2011	A4500-NH3 G
Jane Dough	URZJ1-12	9/1/2011	Nitrogen, Ammonium	mg/L	0.08	Energy Laboratories	C11090068-002A	9/2/2011	A4500-NH3 G
Jane Dough	URZJ1-12	9/1/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11090068-002A	9/7/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJ1-12	12/2/2011	A/C Balance (± 5)	%	-1.88	Energy Laboratories	C11120079-001A	12/17/2011	Calculation
Jane Dough	URZJ1-12	12/2/2011	Anions	meq/L	4.39	Energy Laboratories	C11120079-001A	12/17/2011	Calculation
Jane Dough	URZJ1-12	12/2/2011	Bicarbonate as HCO3	mg/L	211	Energy Laboratories	C11120079-001A	12/6/2011	A2320 B
Jane Dough	URZJ1-12	12/2/2011	Carbonate as CO3	mg/L	24	Energy Laboratories	C11120079-001A	12/6/2011	A2320 B
Jane Dough	URZJ1-12	12/2/2011	Cations	meq/L	4.22	Energy Laboratories	C11120079-001A	12/17/2011	Calculation
Jane Dough	URZJ1-12	12/2/2011	Chloride	mg/L	3	Energy Laboratories	C11120079-001A	12/10/2011	E300.0
Jane Dough	URZJ1-12	12/2/2011	Conductivity @ 25 C	umhos/cm	407	Energy Laboratories	C11120079-001A	12/5/2011	A2510 B
Jane Dough	URZJ1-12	12/2/2011	Fluoride	mg/L	0.6	Energy Laboratories	C11120079-001A	12/10/2011	E300.0
Jane Dough	URZJ1-12	12/2/2011	pH	s.u.	8.79	Energy Laboratories	C11120079-001A	12/5/2011	A4500-H B
Jane Dough	URZJ1-12	12/2/2011	Solids, Total Dissolved Calculated	mg/L	243	Energy Laboratories	C11120079-001A	12/17/2011	Calculation
Jane Dough	URZJ1-12	12/2/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	269	Energy Laboratories	C11120079-001A	12/5/2011	A2540 C
Jane Dough	URZJ1-12	12/2/2011	Sulfate	mg/L	<1	Energy Laboratories	C11120079-001A	12/10/2011	E300.0
Jane Dough	URZJ1-12	12/2/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11120079-001A	12/7/2011	E200.7
Jane Dough	URZJ1-12	12/2/2011	Arsenic	mg/L	<0.001	Energy Laboratories	C11120079-001A	12/5/2011	E200.8
Jane Dough	URZJ1-12	12/2/2011	Barium	mg/L	<0.1	Energy Laboratories	C11120079-001A	12/5/2011	E200.8
Jane Dough	URZJ1-12	12/2/2011	Boron	mg/L	<0.1	Energy Laboratories	C11120079-001A	12/7/2011	E200.7
Jane Dough	URZJ1-12	12/2/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11120079-001A	12/5/2011	E200.8
Jane Dough	URZJ1-12	12/2/2011	Calcium	mg/L	4	Energy Laboratories	C11120079-001A	12/7/2011	E200.7
Jane Dough	URZJ1-12	12/2/2011	Calcium, SAR	meq/L	0.18	Energy Laboratories	C11120079-001A	12/7/2011	E200.7
Jane Dough	URZJ1-12	12/2/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11120079-001A	12/5/2011	E200.8
Jane Dough	URZJ1-12	12/2/2011	Copper	mg/L	<0.01	Energy Laboratories	C11120079-001A	12/5/2011	E200.8
Jane Dough	URZJ1-12	12/2/2011	Iron	mg/L	<0.03	Energy Laboratories	C11120079-001A	12/7/2011	E200.7
Jane Dough	URZJ1-12	12/2/2011	Lead	mg/L	<0.001	Energy Laboratories	C11120079-001A	12/5/2011	E200.8
Jane Dough	URZJ1-12	12/2/2011	Magnesium	mg/L	<1	Energy Laboratories	C11120079-001A	12/7/2011	E200.7
Jane Dough	URZJ1-12	12/2/2011	Magnesium, SAR	meq/L	<0.0833333	Energy Laboratories	C11120079-001A	12/7/2011	E200.7
Jane Dough	URZJ1-12	12/2/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11120079-001A	12/5/2011	E200.8
Jane Dough	URZJ1-12	12/2/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11120079-001A	12/5/2011	E200.8
Jane Dough	URZJ1-12	12/2/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11120079-001A	12/5/2011	E200.8
Jane Dough	URZJ1-12	12/2/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11120079-001A	12/5/2011	E200.8
Jane Dough	URZJ1-12	12/2/2011	Potassium	mg/L	3	Energy Laboratories	C11120079-001A	12/7/2011	E200.7
Jane Dough	URZJ1-12	12/2/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11120079-001A	12/5/2011	E200.8
Jane Dough	URZJ1-12	12/2/2011	Silica	mg/L	10.4	Energy Laboratories	C11120079-001A	12/7/2011	E200.7
Jane Dough	URZJ1-12	12/2/2011	Sodium	mg/L	90	Energy Laboratories	C11120079-001A	12/7/2011	E200.7
Jane Dough	URZJ1-12	12/2/2011	Sodium Adsorption Ratio (SAR)	unitless	11.9	Energy Laboratories	C11120079-001A	12/7/2011	Calculation
Jane Dough	URZJ1-12	12/2/2011	Sodium, SAR	meq/L	3.92	Energy Laboratories	C11120079-001A	12/7/2011	E200.7
Jane Dough	URZJ1-12	12/2/2011	Uranium	mg/L	<0.0003	Energy Laboratories	C11120079-001A	12/5/2011	E200.8
Jane Dough	URZJ1-12	12/2/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11120079-001A	12/5/2011	E200.8
Jane Dough	URZJ1-12	12/2/2011	Zinc	mg/L	<0.01	Energy Laboratories	C11120079-001A	12/5/2011	E200.8
Jane Dough	URZJ1-12	12/2/2011	Iron	mg/L	0.09	Energy Laboratories	C11120079-001A	12/31/2011	E200.8
Jane Dough	URZJ1-12	12/2/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11120079-001A	12/31/2011	E200.8
Jane Dough	URZJ1-12	12/2/2011	Nitrogen, Ammonia as N	mg/L	0.06	Energy Laboratories	C11120079-001A	12/5/2011	A4500-NH3 G
Jane Dough	URZJ1-12	12/2/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11120079-001A	12/6/2011	E353.2
Jane Dough	URZJ1-12	12/2/2011	Gross Alpha	pCi/L	-2	Energy Laboratories	C11120079-001A	1/5/2012	E900.0
Jane Dough	URZJ1-12	12/2/2011	Gross Alpha MDC	pCi/L	2.1	Energy Laboratories	C11120079-001A	1/5/2012	E900.0
Jane Dough	URZJ1-12	12/2/2011	Gross Alpha precision (±)	pCi/L	1.1	Energy Laboratories	C11120079-001A	1/5/2012	E900.0
Jane Dough	URZJ1-12	12/2/2011	Gross Beta	pCi/L	2.3	Energy Laboratories	C11120079-001A	1/5/2012	E900.0
Jane Dough	URZJ1-12	12/2/2011	Gross Beta MDC	pCi/L	2.4	Energy Laboratories	C11120079-001A	1/5/2012	E900.0
Jane Dough	URZJ1-12	12/2/2011	Gross Beta precision (±)	pCi/L	1.5	Energy Laboratories	C11120079-001A	1/5/2012	E900.0
Jane Dough	URZJ1-12	12/2/2011	Radium 226	pCi/L	0.32	Energy Laboratories	C11120079-001A	12/27/2011	E903.0
Jane Dough	URZJ1-12	12/2/2011	Radium 226 MDC	pCi/L	0.19	Energy Laboratories	C11120079-001A	12/27/2011	E903.0
Jane Dough	URZJ1-12	12/2/2011	Radium 226 precision (±)	pCi/L	0.15	Energy Laboratories	C11120079-001A	12/27/2011	E903.0
Jane Dough	URZJ1-12	12/2/2011	Radium 228	pCi/L	0.2	Energy Laboratories	C11120079-001A	12/21/2011	RA-05
Jane Dough	URZJ1-12	12/2/2011	Radium 228 MDC	pCi/L	1.8	Energy Laboratories	C11120079-001A	12/21/2011	RA-05
Jane Dough	URZJ1-12	12/2/2011	Radium 228 precision (±)	pCi/L	1.1	Energy Laboratories	C11120079-001A	12/21/2011	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJ1-12	2/1/2012	Bicarbonate as HCO3	mg/L	231	Energy Laboratories	C12020096-003	2/2/2012	A2320 B
Jane Dough	URZJ1-12	2/1/2012	Carbonate as CO3	mg/L	16	Energy Laboratories	C12020096-003	2/2/2012	A2320 B
Jane Dough	URZJ1-12	2/1/2012	Conductivity @ 25 C	umhos/cm	412	Energy Laboratories	C12020096-003	2/2/2012	A2510 B
Jane Dough	URZJ1-12	2/1/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	231	Energy Laboratories	C12020096-003	2/3/2012	A2540 C
Jane Dough	URZJ1-12	2/1/2012	pH	s.u.	8.95	Energy Laboratories	C12020096-003	2/2/2012	A4500-H B
Jane Dough	URZJ1-12	2/1/2012	Nitrogen, Ammonia as N	mg/L	0.06	Energy Laboratories	C12020096-003	2/7/2012	A4500-NH3 G
Jane Dough	URZJ1-12	2/1/2012	A/C Balance (± 5)	%	4.43	Energy Laboratories	C12020096-003	3/1/2012	Calculation
Jane Dough	URZJ1-12	2/1/2012	Anions	meq/L	4.47	Energy Laboratories	C12020096-003	3/1/2012	Calculation
Jane Dough	URZJ1-12	2/1/2012	Cations	meq/L	4.88	Energy Laboratories	C12020096-003	3/1/2012	Calculation
Jane Dough	URZJ1-12	2/1/2012	Sodium Adsorption Ratio (SAR)	unitless	12.2	Energy Laboratories	C12020096-003	2/21/2012	Calculation
Jane Dough	URZJ1-12	2/1/2012	Solids, Total Dissolved Calculated	mg/L	261	Energy Laboratories	C12020096-003	3/1/2012	Calculation
Jane Dough	URZJ1-12	2/1/2012	Aluminum	mg/L	ND	Energy Laboratories	C12020096-003	2/21/2012	E200.7
Jane Dough	URZJ1-12	2/1/2012	Calcium	mg/L	5	Energy Laboratories	C12020096-003	2/21/2012	E200.7
Jane Dough	URZJ1-12	2/1/2012	Calcium, SAR	meq/L	0.23	Energy Laboratories	C12020096-003	2/21/2012	E200.7
Jane Dough	URZJ1-12	2/1/2012	Iron	mg/L	0.43	Energy Laboratories	C12020096-003	2/3/2012	E200.7
Jane Dough	URZJ1-12	2/1/2012	Manganese	mg/L	ND	Energy Laboratories	C12020096-003	2/3/2012	E200.7
Jane Dough	URZJ1-12	2/1/2012	Silica	mg/L	12.1	Energy Laboratories	C12020096-003	2/21/2012	E200.7
Jane Dough	URZJ1-12	2/1/2012	Arsenic	mg/L	ND	Energy Laboratories	C12020096-003	2/3/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Barium	mg/L	ND	Energy Laboratories	C12020096-003	2/3/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Boron	mg/L	ND	Energy Laboratories	C12020096-003	2/8/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Cadmium	mg/L	ND	Energy Laboratories	C12020096-003	2/3/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Chromium	mg/L	ND	Energy Laboratories	C12020096-003	2/3/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Copper	mg/L	ND	Energy Laboratories	C12020096-003	2/3/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Iron	mg/L	ND	Energy Laboratories	C12020096-003	2/8/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Lead	mg/L	0.001	Energy Laboratories	C12020096-003	2/3/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Magnesium	mg/L	ND	Energy Laboratories	C12020096-003	2/8/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12020096-003	2/8/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Manganese	mg/L	ND	Energy Laboratories	C12020096-003	2/3/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Mercury	mg/L	ND	Energy Laboratories	C12020096-003	2/3/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12020096-003	2/3/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Nickel	mg/L	ND	Energy Laboratories	C12020096-003	2/3/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Potassium	mg/L	4	Energy Laboratories	C12020096-003	2/8/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Selenium	mg/L	ND	Energy Laboratories	C12020096-003	2/6/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Sodium	mg/L	104	Energy Laboratories	C12020096-003	2/8/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Sodium, SAR	meq/L	4.51	Energy Laboratories	C12020096-003	2/8/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Uranium	mg/L	0.0004	Energy Laboratories	C12020096-003	2/3/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Vanadium	mg/L	ND	Energy Laboratories	C12020096-003	2/3/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Zinc	mg/L	ND	Energy Laboratories	C12020096-003	2/3/2012	E200.8
Jane Dough	URZJ1-12	2/1/2012	Chloride	mg/L	3	Energy Laboratories	C12020096-003	2/9/2012	E300.0
Jane Dough	URZJ1-12	2/1/2012	Fluoride	mg/L	0.6	Energy Laboratories	C12020096-003	2/9/2012	E300.0
Jane Dough	URZJ1-12	2/1/2012	Sulfate	mg/L	ND	Energy Laboratories	C12020096-003	2/9/2012	E300.0
Jane Dough	URZJ1-12	2/1/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12020096-003	2/8/2012	E353.2
Jane Dough	URZJ1-12	2/1/2012	Gross Alpha	pCi/L	-1	Energy Laboratories	C12020096-003	2/25/2012	E900.0
Jane Dough	URZJ1-12	2/1/2012	Gross Alpha MDC	pCi/L	2.3	Energy Laboratories	C12020096-003	2/25/2012	E900.0
Jane Dough	URZJ1-12	2/1/2012	Gross Alpha precision (±)	pCi/L	1.2	Energy Laboratories	C12020096-003	2/25/2012	E900.0
Jane Dough	URZJ1-12	2/1/2012	Gross Beta	pCi/L	-0.9	Energy Laboratories	C12020096-003	2/25/2012	E900.0
Jane Dough	URZJ1-12	2/1/2012	Gross Beta MDC	pCi/L	2.7	Energy Laboratories	C12020096-003	2/25/2012	E900.0
Jane Dough	URZJ1-12	2/1/2012	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C12020096-003	2/25/2012	E900.0
Jane Dough	URZJ1-12	2/1/2012	Radium 226	pCi/L	0.07	Energy Laboratories	C12020096-003	2/28/2012	E903.0
Jane Dough	URZJ1-12	2/1/2012	Radium 226 MDC	pCi/L	0.17	Energy Laboratories	C12020096-003	2/28/2012	E903.0
Jane Dough	URZJ1-12	2/1/2012	Radium 226 precision (±)	pCi/L	0.11	Energy Laboratories	C12020096-003	2/28/2012	E903.0
Jane Dough	URZJ1-12	2/1/2012	Radium 228	pCi/L	0.2	Energy Laboratories	C12020096-003	2/22/2012	RA-05
Jane Dough	URZJ1-12	2/1/2012	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C12020096-003	2/22/2012	RA-05
Jane Dough	URZJ1-12	2/1/2012	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C12020096-003	2/22/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJ1-12	3/28/2012	Bicarbonate as HCO3	mg/L	250	Energy Laboratories	C12031035-001	3/30/2012	A2320 B
Jane Dough	URZJ1-12	3/28/2012	Carbonate as CO3	mg/L	10	Energy Laboratories	C12031035-001	3/30/2012	A2320 B
Jane Dough	URZJ1-12	3/28/2012	Conductivity @ 25 C	umhos/cm	402	Energy Laboratories	C12031035-001	3/30/2012	A2510 B
Jane Dough	URZJ1-12	3/28/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	281	Energy Laboratories	C12031035-001	3/30/2012	A2540 C
Jane Dough	URZJ1-12	3/28/2012	Fluoride	mg/L	0.7	Energy Laboratories	C12031035-001	3/30/2012	A4500-F C
Jane Dough	URZJ1-12	3/28/2012	pH	s.u.	8.93	Energy Laboratories	C12031035-001	3/30/2012	A4500-H B
Jane Dough	URZJ1-12	3/28/2012	Nitrogen, Ammonia as N	mg/L	0.06	Energy Laboratories	C12031035-001	3/30/2012	A4500-NH3 G
Jane Dough	URZJ1-12	3/28/2012	A/C Balance (± 5)	%	2.02	Energy Laboratories	C12031035-001	4/11/2012	Calculation
Jane Dough	URZJ1-12	3/28/2012	Anions	meq/L	4.56	Energy Laboratories	C12031035-001	4/11/2012	Calculation
Jane Dough	URZJ1-12	3/28/2012	Cations	meq/L	4.75	Energy Laboratories	C12031035-001	4/11/2012	Calculation
Jane Dough	URZJ1-12	3/28/2012	Sodium Adsorption Ratio (SAR)	unitless	11.8	Energy Laboratories	C12031035-001	3/30/2012	Calculation
Jane Dough	URZJ1-12	3/28/2012	Solids, Total Dissolved Calculated	mg/L	262	Energy Laboratories	C12031035-001	4/11/2012	Calculation
Jane Dough	URZJ1-12	3/28/2012	Aluminum	mg/L	ND	Energy Laboratories	C12031035-001	3/30/2012	E200.7
Jane Dough	URZJ1-12	3/28/2012	Barium	mg/L	ND	Energy Laboratories	C12031035-001	3/30/2012	E200.7
Jane Dough	URZJ1-12	3/28/2012	Boron	mg/L	ND	Energy Laboratories	C12031035-001	3/30/2012	E200.7
Jane Dough	URZJ1-12	3/28/2012	Calcium	mg/L	5	Energy Laboratories	C12031035-001	3/30/2012	E200.7
Jane Dough	URZJ1-12	3/28/2012	Calcium, SAR	meq/L	0.23	Energy Laboratories	C12031035-001	3/30/2012	E200.7
Jane Dough	URZJ1-12	3/28/2012	Chromium	mg/L	ND	Energy Laboratories	C12031035-001	3/30/2012	E200.7
Jane Dough	URZJ1-12	3/28/2012	Copper	mg/L	ND	Energy Laboratories	C12031035-001	3/30/2012	E200.7
Jane Dough	URZJ1-12	3/28/2012	Iron	mg/L	ND	Energy Laboratories	C12031035-001	3/30/2012	E200.7
Jane Dough	URZJ1-12	3/28/2012	Magnesium	mg/L	ND	Energy Laboratories	C12031035-001	3/30/2012	E200.7
Jane Dough	URZJ1-12	3/28/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12031035-001	3/30/2012	E200.7
Jane Dough	URZJ1-12	3/28/2012	Manganese	mg/L	ND	Energy Laboratories	C12031035-001	3/30/2012	E200.7
Jane Dough	URZJ1-12	3/28/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12031035-001	3/30/2012	E200.7
Jane Dough	URZJ1-12	3/28/2012	Nickel	mg/L	ND	Energy Laboratories	C12031035-001	3/30/2012	E200.7
Jane Dough	URZJ1-12	3/28/2012	Potassium	mg/L	3	Energy Laboratories	C12031035-001	3/30/2012	E200.7
Jane Dough	URZJ1-12	3/28/2012	Silica	mg/L	12.7	Energy Laboratories	C12031035-001	3/30/2012	E200.7
Jane Dough	URZJ1-12	3/28/2012	Sodium	mg/L	101	Energy Laboratories	C12031035-001	3/30/2012	E200.7
Jane Dough	URZJ1-12	3/28/2012	Sodium, SAR	meq/L	4.38	Energy Laboratories	C12031035-001	3/30/2012	E200.7
Jane Dough	URZJ1-12	3/28/2012	Vanadium	mg/L	ND	Energy Laboratories	C12031035-001	3/30/2012	E200.7
Jane Dough	URZJ1-12	3/28/2012	Zinc	mg/L	ND	Energy Laboratories	C12031035-001	3/30/2012	E200.7
Jane Dough	URZJ1-12	3/28/2012	Arsenic	mg/L	ND	Energy Laboratories	C12031035-001	3/30/2012	E200.8
Jane Dough	URZJ1-12	3/28/2012	Cadmium	mg/L	ND	Energy Laboratories	C12031035-001	3/30/2012	E200.8
Jane Dough	URZJ1-12	3/28/2012	Iron	mg/L	0.06	Energy Laboratories	C12031035-001	4/6/2012	E200.8
Jane Dough	URZJ1-12	3/28/2012	Lead	mg/L	ND	Energy Laboratories	C12031035-001	4/2/2012	E200.8
Jane Dough	URZJ1-12	3/28/2012	Manganese	mg/L	ND	Energy Laboratories	C12031035-001	4/6/2012	E200.8
Jane Dough	URZJ1-12	3/28/2012	Mercury	mg/L	ND	Energy Laboratories	C12031035-001	4/2/2012	E200.8
Jane Dough	URZJ1-12	3/28/2012	Selenium	mg/L	0.003	Energy Laboratories	C12031035-001	3/30/2012	E200.8
Jane Dough	URZJ1-12	3/28/2012	Uranium	mg/L	ND	Energy Laboratories	C12031035-001	4/4/2012	E200.8
Jane Dough	URZJ1-12	3/28/2012	Chloride	mg/L	3	Energy Laboratories	C12031035-001	4/5/2012	E300.0
Jane Dough	URZJ1-12	3/28/2012	Sulfate	mg/L	ND	Energy Laboratories	C12031035-001	4/5/2012	E300.0
Jane Dough	URZJ1-12	3/28/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12031035-001	4/2/2012	E353.2
Jane Dough	URZJ1-12	3/28/2012	Gross Alpha	pCi/L	1.8	Energy Laboratories	C12031035-001	5/2/2012	E900.0
Jane Dough	URZJ1-12	3/28/2012	Gross Alpha MDC	pCi/L	1.7	Energy Laboratories	C12031035-001	5/2/2012	E900.0
Jane Dough	URZJ1-12	3/28/2012	Gross Alpha precision (±)	pCi/L	1.1	Energy Laboratories	C12031035-001	5/2/2012	E900.0
Jane Dough	URZJ1-12	3/28/2012	Gross Beta	pCi/L	4.8	Energy Laboratories	C12031035-001	5/2/2012	E900.0
Jane Dough	URZJ1-12	3/28/2012	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C12031035-001	5/2/2012	E900.0
Jane Dough	URZJ1-12	3/28/2012	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C12031035-001	5/2/2012	E900.0
Jane Dough	URZJ1-12	3/28/2012	Radium 226	pCi/L	0.19	Energy Laboratories	C12031035-001	4/10/2012	E903.0
Jane Dough	URZJ1-12	3/28/2012	Radium 226 MDC	pCi/L	0.17	Energy Laboratories	C12031035-001	4/10/2012	E903.0
Jane Dough	URZJ1-12	3/28/2012	Radium 226 precision (±)	pCi/L	0.13	Energy Laboratories	C12031035-001	4/10/2012	E903.0
Jane Dough	URZJ1-12	3/28/2012	Radium 228	pCi/L	0.5	Energy Laboratories	C12031035-001	4/5/2012	RA-05
Jane Dough	URZJ1-12	3/28/2012	Radium 228 MDC	pCi/L	1.2	Energy Laboratories	C12031035-001	4/5/2012	RA-05
Jane Dough	URZJ1-12	3/28/2012	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories	C12031035-001	4/5/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJ1-12	6/15/2012	A/C Balance (± 5)	%	1.70	Energy Laboratories	C12060722-001	7/11/2012	A1030 E
Jane Dough	URZJ1-12	6/15/2012	Anions	meq/L	4.87	Energy Laboratories	C12060722-001	7/11/2012	A1030 E
Jane Dough	URZJ1-12	6/15/2012	Cations	meq/L	5.04	Energy Laboratories	C12060722-001	7/11/2012	A1030 E
Jane Dough	URZJ1-12	6/15/2012	Solids, Total Dissolved Calculated	mg/L	280	Energy Laboratories	C12060722-001	7/11/2012	A1030 E
Jane Dough	URZJ1-12	6/15/2012	TDS Balance (0.80 - 1.20)		0.950	Energy Laboratories	C12060722-001	7/11/2012	A1030 E
Jane Dough	URZJ1-12	6/15/2012	Alkalinity, Total as CaCO3	mg/L	237	Energy Laboratories	C12060722-001	6/20/2012	A2320 B
Jane Dough	URZJ1-12	6/15/2012	Bicarbonate as HCO3	mg/L	266	Energy Laboratories	C12060722-001	6/20/2012	A2320 B
Jane Dough	URZJ1-12	6/15/2012	Carbonate as CO3	mg/L	12	Energy Laboratories	C12060722-001	6/20/2012	A2320 B
Jane Dough	URZJ1-12	6/15/2012	Conductivity @ 25 C	umhos/cm	430	Energy Laboratories	C12060722-001	6/20/2012	A2510 B
Jane Dough	URZJ1-12	6/15/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	264	Energy Laboratories	C12060722-001	6/19/2012	A2540 C
Jane Dough	URZJ1-12	6/15/2012	Fluoride	mg/L	0.7	Energy Laboratories	C12060722-001	6/21/2012	A4500-F C
Jane Dough	URZJ1-12	6/15/2012	pH	s.u.	8.82	Energy Laboratories	C12060722-001	6/20/2012	A4500-H B
Jane Dough	URZJ1-12	6/15/2012	Nitrogen, Ammonia as N	mg/L	0.08	Energy Laboratories	C12060722-001	6/20/2012	A4500-NH3 G
Jane Dough	URZJ1-12	6/15/2012	Aluminum	mg/L	ND	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Barium	mg/L	ND	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Boron	mg/L	ND	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Cadmium	mg/L	ND	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Calcium	mg/L	5	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Calcium, SAR	meq/L	0.26	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Chromium	mg/L	ND	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Copper	mg/L	ND	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Iron	mg/L	ND	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Iron	mg/L	ND	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Magnesium	mg/L	ND	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Manganese	mg/L	ND	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Manganese	mg/L	ND	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Nickel	mg/L	ND	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Potassium	mg/L	3	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Silica	mg/L	12.5	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Sodium	mg/L	107	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Sodium, SAR	meq/L	4.66	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Vanadium	mg/L	ND	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Zinc	mg/L	0.01	Energy Laboratories	C12060722-001	7/9/2012	E200.7
Jane Dough	URZJ1-12	6/15/2012	Arsenic	mg/L	ND	Energy Laboratories	C12060722-001	7/9/2012	E200.8
Jane Dough	URZJ1-12	6/15/2012	Lead	mg/L	ND	Energy Laboratories	C12060722-001	7/9/2012	E200.8
Jane Dough	URZJ1-12	6/15/2012	Mercury	mg/L	ND	Energy Laboratories	C12060722-001	7/9/2012	E200.8
Jane Dough	URZJ1-12	6/15/2012	Selenium	mg/L	0.003	Energy Laboratories	C12060722-001	7/9/2012	E200.8
Jane Dough	URZJ1-12	6/15/2012	Uranium	mg/L	0.0003	Energy Laboratories	C12060722-001	7/11/2012	E200.8
Jane Dough	URZJ1-12	6/15/2012	Chloride	mg/L	3	Energy Laboratories	C12060722-001	6/27/2012	E300.0
Jane Dough	URZJ1-12	6/15/2012	Sulfate	mg/L	ND	Energy Laboratories	C12060722-001	6/27/2012	E300.0
Jane Dough	URZJ1-12	6/15/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12060722-001	6/21/2012	E353.2
Jane Dough	URZJ1-12	6/15/2012	Gross Alpha	pCi/L	-2	Energy Laboratories	C12060722-001	7/3/2012	E900.0
Jane Dough	URZJ1-12	6/15/2012	Gross Alpha MDC	pCi/L	1.7	Energy Laboratories	C12060722-001	7/3/2012	E900.0
Jane Dough	URZJ1-12	6/15/2012	Gross Alpha precision (±)	pCi/L	0.9	Energy Laboratories	C12060722-001	7/3/2012	E900.0
Jane Dough	URZJ1-12	6/15/2012	Gross Beta	pCi/L	0.7	Energy Laboratories	C12060722-001	7/3/2012	E900.0
Jane Dough	URZJ1-12	6/15/2012	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C12060722-001	7/3/2012	E900.0
Jane Dough	URZJ1-12	6/15/2012	Gross Beta precision (±)	pCi/L	1.5	Energy Laboratories	C12060722-001	7/3/2012	E900.0
Jane Dough	URZJ1-12	6/15/2012	Radium 226	pCi/L	0.06	Energy Laboratories	C12060722-001	7/11/2012	E903.0
Jane Dough	URZJ1-12	6/15/2012	Radium 226 MDC	pCi/L	0.23	Energy Laboratories	C12060722-001	7/11/2012	E903.0
Jane Dough	URZJ1-12	6/15/2012	Radium 226 precision (±)	pCi/L	0.14	Energy Laboratories	C12060722-001	7/11/2012	E903.0
Jane Dough	URZJ1-12	6/15/2012	Radium 228	pCi/L	-0.3	Energy Laboratories	C12060722-001	7/6/2012	RA-05
Jane Dough	URZJ1-12	6/15/2012	Radium 228 MDC	pCi/L	1.6	Energy Laboratories	C12060722-001	7/6/2012	RA-05
Jane Dough	URZJ1-12	6/15/2012	Radium 228 precision (±)	pCi/L	0.9	Energy Laboratories	C12060722-001	7/6/2012	RA-05
Jane Dough	URZJ1-12	6/15/2012	Sodium Adsorption Ratio (SAR)	unitless	11.9	Energy Laboratories	C12060722-001	7/9/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJI-12	9/7/2012	A/C Balance (± 5)	%	-3.90	Energy Laboratories Casper	C12090218-001	9/18/2012	A1030 E
Jane Dough	URZJI-12	9/7/2012	Anions	meq/L	4.90	Energy Laboratories Casper	C12090218-001	9/18/2012	A1030 E
Jane Dough	URZJI-12	9/7/2012	Cations	meq/L	4.53	Energy Laboratories Casper	C12090218-001	9/18/2012	A1030 E
Jane Dough	URZJI-12	9/7/2012	Solids, Total Dissolved Calculated	mg/L	250	Energy Laboratories Casper	C12090218-001	9/18/2012	A1030 E
Jane Dough	URZJI-12	9/7/2012	TDS Balance (0.80 - 1.20)		1.04	Energy Laboratories Casper	C12090218-001	9/18/2012	A1030 E
Jane Dough	URZJI-12	9/7/2012	Alkalinity, Total as CaCO3	mg/L	236	Energy Laboratories Casper	C12090218-001	9/11/2012	A2320 B
Jane Dough	URZJI-12	9/7/2012	Bicarbonate as HCO3	mg/L	273	Energy Laboratories Casper	C12090218-001	9/11/2012	A2320 B
Jane Dough	URZJI-12	9/7/2012	Carbonate as CO3	mg/L	7	Energy Laboratories Casper	C12090218-001	9/11/2012	A2320 B
Jane Dough	URZJI-12	9/7/2012	Conductivity @ 25 C	umhos/cm	427	Energy Laboratories Casper	C12090218-001	9/11/2012	A2510 B
Jane Dough	URZJI-12	9/7/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	262	Energy Laboratories Casper	C12090218-001	9/11/2012	A2540 C
Jane Dough	URZJI-12	9/7/2012	Fluoride	mg/L	0.7	Energy Laboratories Casper	C12090218-001	9/11/2012	A4500-F C
Jane Dough	URZJI-12	9/7/2012	pH	s.u.	8.91	Energy Laboratories Casper	C12090218-001	9/11/2012	A4500-H B
Jane Dough	URZJI-12	9/7/2012	Nitrogen, Ammonia as N	mg/L	0.07	Energy Laboratories Casper	C12090218-001	9/11/2012	A4500-NH3 G
Jane Dough	URZJI-12	9/7/2012	Boron	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/14/2012	E200.7
Jane Dough	URZJI-12	9/7/2012	Calcium	mg/L	5	Energy Laboratories Casper	C12090218-001	9/14/2012	E200.7
Jane Dough	URZJI-12	9/7/2012	Calcium, SAR	meq/L	0.26	Energy Laboratories Casper	C12090218-001	9/14/2012	E200.7
Jane Dough	URZJI-12	9/7/2012	Iron	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/14/2012	E200.7
Jane Dough	URZJI-12	9/7/2012	Iron	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/14/2012	E200.7
Jane Dough	URZJI-12	9/7/2012	Lithium	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/14/2012	E200.7
Jane Dough	URZJI-12	9/7/2012	Magnesium	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/14/2012	E200.7
Jane Dough	URZJI-12	9/7/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories Casper	C12090218-001	9/14/2012	E200.7
Jane Dough	URZJI-12	9/7/2012	Manganese	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/14/2012	E200.7
Jane Dough	URZJI-12	9/7/2012	Potassium	mg/L	3	Energy Laboratories Casper	C12090218-001	9/14/2012	E200.7
Jane Dough	URZJI-12	9/7/2012	Silica	mg/L	12.6	Energy Laboratories Casper	C12090218-001	9/19/2012	E200.7
Jane Dough	URZJI-12	9/7/2012	Sodium	mg/L	96	Energy Laboratories Casper	C12090218-001	9/14/2012	E200.7
Jane Dough	URZJI-12	9/7/2012	Sodium, SAR	meq/L	4.15	Energy Laboratories Casper	C12090218-001	9/14/2012	E200.7
Jane Dough	URZJI-12	9/7/2012	Aluminum	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/12/2012	E200.8
Jane Dough	URZJI-12	9/7/2012	Arsenic	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/12/2012	E200.8
Jane Dough	URZJI-12	9/7/2012	Barium	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/12/2012	E200.8
Jane Dough	URZJI-12	9/7/2012	Cadmium	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/12/2012	E200.8
Jane Dough	URZJI-12	9/7/2012	Chromium	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/12/2012	E200.8
Jane Dough	URZJI-12	9/7/2012	Cobalt	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/12/2012	E200.8
Jane Dough	URZJI-12	9/7/2012	Copper	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/12/2012	E200.8
Jane Dough	URZJI-12	9/7/2012	Lead	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/12/2012	E200.8
Jane Dough	URZJI-12	9/7/2012	Manganese	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/12/2012	E200.8
Jane Dough	URZJI-12	9/7/2012	Mercury	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/14/2012	E200.8
Jane Dough	URZJI-12	9/7/2012	Molybdenum	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/12/2012	E200.8
Jane Dough	URZJI-12	9/7/2012	Nickel	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/12/2012	E200.8
Jane Dough	URZJI-12	9/7/2012	Selenium	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/12/2012	E200.8
Jane Dough	URZJI-12	9/7/2012	Uranium	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/12/2012	E200.8
Jane Dough	URZJI-12	9/7/2012	Vanadium	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/12/2012	E200.8
Jane Dough	URZJI-12	9/7/2012	Zinc	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/12/2012	E200.8
Jane Dough	URZJI-12	9/7/2012	Chloride	mg/L	5	Energy Laboratories Casper	C12090218-001	9/11/2012	E300.0
Jane Dough	URZJI-12	9/7/2012	Sulfate	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/11/2012	E300.0
Jane Dough	URZJI-12	9/7/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories Casper	C12090218-001	9/10/2012	E353.2
Jane Dough	URZJI-12	9/7/2012	Gross Alpha	pCi/L	-2	Energy Laboratories Casper	C12090218-001	9/27/2012	E900.0
Jane Dough	URZJI-12	9/7/2012	Gross Alpha MDC	pCi/L	1.8	Energy Laboratories Casper	C12090218-001	9/27/2012	E900.0
Jane Dough	URZJI-12	9/7/2012	Gross Alpha precision (±)	pCi/L	1	Energy Laboratories Casper	C12090218-001	9/27/2012	E900.0
Jane Dough	URZJI-12	9/7/2012	Gross Beta	pCi/L	0.03	Energy Laboratories Casper	C12090218-001	9/27/2012	E900.0
Jane Dough	URZJI-12	9/7/2012	Gross Beta MDC	pCi/L	2.6	Energy Laboratories Casper	C12090218-001	9/27/2012	E900.0
Jane Dough	URZJI-12	9/7/2012	Gross Beta precision (±)	pCi/L	1.5	Energy Laboratories Casper	C12090218-001	9/27/2012	E900.0
Jane Dough	URZJI-12	9/7/2012	Radium 226	pCi/L	0.12	Energy Laboratories Casper	C12090218-001	9/24/2012	E903.0
Jane Dough	URZJI-12	9/7/2012	Radium 226 MDC	pCi/L	0.19	Energy Laboratories Casper	C12090218-001	9/24/2012	E903.0
Jane Dough	URZJI-12	9/7/2012	Radium 226 precision (±)	pCi/L	0.13	Energy Laboratories Casper	C12090218-001	9/24/2012	E903.0
Jane Dough	URZJI-12	9/7/2012	Radium 228	pCi/L	1.0	Energy Laboratories Casper	C12090218-001	9/18/2012	RA-05
Jane Dough	URZJI-12	9/7/2012	Radium 228 MDC	pCi/L	1	Energy Laboratories Casper	C12090218-001	9/18/2012	RA-05
Jane Dough	URZJI-12	9/7/2012	Radium 228 precision (±)	pCi/L	0.6	Energy Laboratories Casper	C12090218-001	9/18/2012	RA-05
Jane Dough	URZJI-12	9/7/2012	Sodium Adsorption Ratio (SAR)	unitless	10.7	Energy Laboratories Casper	C12090218-001	9/14/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJ1-23-1	6/5/2013	A/C Balance (± 5)	%	-0.313	Energy Laboratories Casper	C13060247-001	6/25/2013	A1030 E
Jane Dough	URZJ1-23-1	6/5/2013	Anions	meq/L	4.59	Energy Laboratories Casper	C13060247-001	6/25/2013	A1030 E
Jane Dough	URZJ1-23-1	6/5/2013	Cations	meq/L	4.56	Energy Laboratories Casper	C13060247-001	6/25/2013	A1030 E
Jane Dough	URZJ1-23-1	6/5/2013	Solids, Total Dissolved Calculated	mg/L	260	Energy Laboratories Casper	C13060247-001	6/25/2013	A1030 E
Jane Dough	URZJ1-23-1	6/5/2013	TDS Balance (0.80 - 1.20)		0.970	Energy Laboratories Casper	C13060247-001	6/25/2013	A1030 E
Jane Dough	URZJ1-23-1	6/5/2013	Alkalinity, Total as CaCO3	mg/L	217	Energy Laboratories Casper	C13060247-001	6/7/2013	A2320 B
Jane Dough	URZJ1-23-1	6/5/2013	Bicarbonate as HCO3	mg/L	248	Energy Laboratories Casper	C13060247-001	6/7/2013	A2320 B
Jane Dough	URZJ1-23-1	6/5/2013	Carbonate as CO3	mg/L	8	Energy Laboratories Casper	C13060247-001	6/7/2013	A2320 B
Jane Dough	URZJ1-23-1	6/5/2013	Conductivity @ 25 C	umhos/cm	408	Energy Laboratories Casper	C13060247-001	6/7/2013	A2510 B
Jane Dough	URZJ1-23-1	6/5/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	249	Energy Laboratories Casper	C13060247-001	6/11/2013	A2540 C
Jane Dough	URZJ1-23-1	6/5/2013	Fluoride	mg/L	0.6	Energy Laboratories Casper	C13060247-001	6/7/2013	A4500-F C
Jane Dough	URZJ1-23-1	6/5/2013	pH	s.u.	8.66	Energy Laboratories Casper	C13060247-001	6/7/2013	A4500-H B
Jane Dough	URZJ1-23-1	6/5/2013	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/10/2013	A4500-NH3 G
Jane Dough	URZJ1-23-1	6/5/2013	Aluminum	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.7
Jane Dough	URZJ1-23-1	6/5/2013	Barium	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.7
Jane Dough	URZJ1-23-1	6/5/2013	Boron	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.7
Jane Dough	URZJ1-23-1	6/5/2013	Calcium	mg/L	4	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.7
Jane Dough	URZJ1-23-1	6/5/2013	Calcium, SAR	meq/L	0.18	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.7
Jane Dough	URZJ1-23-1	6/5/2013	Chromium	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.7
Jane Dough	URZJ1-23-1	6/5/2013	Copper	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.7
Jane Dough	URZJ1-23-1	6/5/2013	Iron	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.7
Jane Dough	URZJ1-23-1	6/5/2013	Iron	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/12/2013	E200.7
Jane Dough	URZJ1-23-1	6/5/2013	Magnesium	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.7
Jane Dough	URZJ1-23-1	6/5/2013	Magnesium, SAR	meq/L	ND	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.7
Jane Dough	URZJ1-23-1	6/5/2013	Manganese	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.7
Jane Dough	URZJ1-23-1	6/5/2013	Manganese	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/12/2013	E200.7
Jane Dough	URZJ1-23-1	6/5/2013	Molybdenum	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.7
Jane Dough	URZJ1-23-1	6/5/2013	Nickel	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.7
Jane Dough	URZJ1-23-1	6/5/2013	Potassium	mg/L	3	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.7
Jane Dough	URZJ1-23-1	6/5/2013	Sodium	mg/L	98	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.7
Jane Dough	URZJ1-23-1	6/5/2013	Sodium, SAR	meq/L	4.27	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.7
Jane Dough	URZJ1-23-1	6/5/2013	Vanadium	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.7
Jane Dough	URZJ1-23-1	6/5/2013	Zinc	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.7
Jane Dough	URZJ1-23-1	6/5/2013	Arsenic	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.8
Jane Dough	URZJ1-23-1	6/5/2013	Cadmium	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.8
Jane Dough	URZJ1-23-1	6/5/2013	Lead	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.8
Jane Dough	URZJ1-23-1	6/5/2013	Mercury	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.8
Jane Dough	URZJ1-23-1	6/5/2013	Selenium	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.8
Jane Dough	URZJ1-23-1	6/5/2013	Silica	mg/L	8.6	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.8
Jane Dough	URZJ1-23-1	6/5/2013	Uranium	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/21/2013	E200.8
Jane Dough	URZJ1-23-1	6/5/2013	Chloride	mg/L	5	Energy Laboratories Casper	C13060247-001	6/11/2013	E300.0
Jane Dough	URZJ1-23-1	6/5/2013	Sulfate	mg/L	4	Energy Laboratories Casper	C13060247-001	6/11/2013	E300.0
Jane Dough	URZJ1-23-1	6/5/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories Casper	C13060247-001	6/11/2013	E353.2
Jane Dough	URZJ1-23-1	6/5/2013	Gross Alpha	pCi/L	-0.3	Energy Laboratories Casper	C13060247-001	6/24/2013	E900.0
Jane Dough	URZJ1-23-1	6/5/2013	Gross Alpha MDC	pCi/L	1.8	Energy Laboratories Casper	C13060247-001	6/24/2013	E900.0
Jane Dough	URZJ1-23-1	6/5/2013	Gross Alpha precision (±)	pCi/L	1.1	Energy Laboratories Casper	C13060247-001	6/24/2013	E900.0
Jane Dough	URZJ1-23-1	6/5/2013	Gross Beta	pCi/L	2.3	Energy Laboratories Casper	C13060247-001	6/24/2013	E900.0
Jane Dough	URZJ1-23-1	6/5/2013	Gross Beta MDC	pCi/L	2.6	Energy Laboratories Casper	C13060247-001	6/24/2013	E900.0
Jane Dough	URZJ1-23-1	6/5/2013	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories Casper	C13060247-001	6/24/2013	E900.0
Jane Dough	URZJ1-23-1	6/5/2013	Radium 226	pCi/L	0.16	Energy Laboratories Casper	C13060247-001	7/2/2013	E903.0
Jane Dough	URZJ1-23-1	6/5/2013	Radium 226 MDC	pCi/L	0.17	Energy Laboratories Casper	C13060247-001	7/2/2013	E903.0
Jane Dough	URZJ1-23-1	6/5/2013	Radium 226 precision (±)	pCi/L	0.12	Energy Laboratories Casper	C13060247-001	7/2/2013	E903.0
Jane Dough	URZJ1-23-1	6/5/2013	Radium 228	pCi/L	-0.4	Energy Laboratories Casper	C13060247-001	6/25/2013	RA-05
Jane Dough	URZJ1-23-1	6/5/2013	Radium 228 MDC	pCi/L	1.4	Energy Laboratories Casper	C13060247-001	6/25/2013	RA-05
Jane Dough	URZJ1-23-1	6/5/2013	Radium 228 precision (±)	pCi/L	0.82	Energy Laboratories Casper	C13060247-001	6/25/2013	RA-05
Jane Dough	URZJ1-23-1	6/5/2013	Sodium Adsorption Ratio (SAR)	unitless	13.4	Energy Laboratories Casper	C13060247-001	6/25/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-1	9/14/2011	A/C Balance (± 5)	%	-3.62	Energy Laboratories	C11090527-002A	10/24/2011	Calculation
Jane Dough	URZJA-1	9/14/2011	Anions	meq/L	5.39	Energy Laboratories	C11090527-002A	10/24/2011	Calculation
Jane Dough	URZJA-1	9/14/2011	Bicarbonate as HCO3	mg/L	133	Energy Laboratories	C11090527-002A	9/16/2011	A2320 B
Jane Dough	URZJA-1	9/14/2011	Carbonate as CO3	mg/L	10	Energy Laboratories	C11090527-002A	9/16/2011	A2320 B
Jane Dough	URZJA-1	9/14/2011	Cations	meq/L	5.01	Energy Laboratories	C11090527-002A	10/24/2011	Calculation
Jane Dough	URZJA-1	9/14/2011	Chloride	mg/L	6	Energy Laboratories	C11090527-002A	9/17/2011	E300.0
Jane Dough	URZJA-1	9/14/2011	Conductivity @ 25 C	umhos/cm	556	Energy Laboratories	C11090527-002A	9/15/2011	A2510 B
Jane Dough	URZJA-1	9/14/2011	Fluoride	mg/L	0.2	Energy Laboratories	C11090527-002A	9/17/2011	E300.0
Jane Dough	URZJA-1	9/14/2011	pH	s.u.	8.93	Energy Laboratories	C11090527-002A	9/15/2011	A4500-H B
Jane Dough	URZJA-1	9/14/2011	Solids, Total Dissolved Calculated	mg/L	341	Energy Laboratories	C11090527-002A	10/24/2011	Calculation
Jane Dough	URZJA-1	9/14/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	385	Energy Laboratories	C11090527-002A	9/14/2011	A2540 C
Jane Dough	URZJA-1	9/14/2011	Sulfate	mg/L	129	Energy Laboratories	C11090527-002A	9/17/2011	E300.0
Jane Dough	URZJA-1	9/14/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11090527-002A	9/21/2011	E200.8
Jane Dough	URZJA-1	9/14/2011	Arsenic	mg/L	0.003	Energy Laboratories	C11090527-002A	9/21/2011	E200.8
Jane Dough	URZJA-1	9/14/2011	Barium	mg/L	<0.1	Energy Laboratories	C11090527-002A	9/21/2011	E200.8
Jane Dough	URZJA-1	9/14/2011	Boron	mg/L	<0.1	Energy Laboratories	C11090527-002A	9/23/2011	E200.7
Jane Dough	URZJA-1	9/14/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11090527-002A	9/21/2011	E200.8
Jane Dough	URZJA-1	9/14/2011	Calcium	mg/L	8	Energy Laboratories	C11090527-002A	9/23/2011	E200.7
Jane Dough	URZJA-1	9/14/2011	Calcium, SAR	meq/L	0.39	Energy Laboratories	C11090527-002A	9/23/2011	E200.7
Jane Dough	URZJA-1	9/14/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11090527-002A	9/21/2011	E200.8
Jane Dough	URZJA-1	9/14/2011	Copper	mg/L	<0.01	Energy Laboratories	C11090527-002A	9/21/2011	E200.8
Jane Dough	URZJA-1	9/14/2011	Iron	mg/L	<0.03	Energy Laboratories	C11090527-002A	9/23/2011	E200.7
Jane Dough	URZJA-1	9/14/2011	Lead	mg/L	<0.001	Energy Laboratories	C11090527-002A	9/21/2011	E200.8
Jane Dough	URZJA-1	9/14/2011	Magnesium	mg/L	<1	Energy Laboratories	C11090527-002A	9/23/2011	E200.7
Jane Dough	URZJA-1	9/14/2011	Magnesium, SAR	meq/L	<0.0833333	Energy Laboratories	C11090527-002A	9/23/2011	E200.7
Jane Dough	URZJA-1	9/14/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11090527-002A	9/21/2011	E200.8
Jane Dough	URZJA-1	9/14/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11090527-002A	9/21/2011	E200.8
Jane Dough	URZJA-1	9/14/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11090527-002A	9/21/2011	E200.8
Jane Dough	URZJA-1	9/14/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11090527-002A	9/21/2011	E200.8
Jane Dough	URZJA-1	9/14/2011	Potassium	mg/L	5	Energy Laboratories	C11090527-002A	9/23/2011	E200.7
Jane Dough	URZJA-1	9/14/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11090527-002A	9/21/2011	E200.8
Jane Dough	URZJA-1	9/14/2011	Silica	mg/L	10.5	Energy Laboratories	C11090527-002A	9/23/2011	E200.7
Jane Dough	URZJA-1	9/14/2011	Sodium	mg/L	103	Energy Laboratories	C11090527-002A	9/23/2011	E200.7
Jane Dough	URZJA-1	9/14/2011	Sodium Adsorption Ratio (SAR)	unitless	9.8	Energy Laboratories	C11090527-002A	9/23/2011	Calculation
Jane Dough	URZJA-1	9/14/2011	Sodium, SAR	meq/L	4.46	Energy Laboratories	C11090527-002A	9/23/2011	E200.7
Jane Dough	URZJA-1	9/14/2011	Uranium	mg/L	0.0322	Energy Laboratories	C11090527-002A	9/21/2011	E200.8
Jane Dough	URZJA-1	9/14/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11090527-002A	9/21/2011	E200.8
Jane Dough	URZJA-1	9/14/2011	Zinc	mg/L	<0.01	Energy Laboratories	C11090527-002A	9/21/2011	E200.8
Jane Dough	URZJA-1	9/14/2011	Iron	mg/L	<0.03	Energy Laboratories	C11090527-002A	10/4/2011	E200.7
Jane Dough	URZJA-1	9/14/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11090527-002A	10/4/2011	E200.7
Jane Dough	URZJA-1	9/14/2011	Gross Alpha	pCi/L	38.1	Energy Laboratories	C11090527-002A	10/15/2011	E900.0
Jane Dough	URZJA-1	9/14/2011	Gross Alpha MDC	pCi/L	3.0	Energy Laboratories	C11090527-002A	10/15/2011	E900.0
Jane Dough	URZJA-1	9/14/2011	Gross Alpha precision (±)	pCi/L	3.4	Energy Laboratories	C11090527-002A	10/15/2011	E900.0
Jane Dough	URZJA-1	9/14/2011	Gross Beta	pCi/L	12.0	Energy Laboratories	C11090527-002A	10/15/2011	E900.0
Jane Dough	URZJA-1	9/14/2011	Gross Beta MDC	pCi/L	2.3	Energy Laboratories	C11090527-002A	10/15/2011	E900.0
Jane Dough	URZJA-1	9/14/2011	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C11090527-002A	10/15/2011	E900.0
Jane Dough	URZJA-1	9/14/2011	Radium 226	pCi/L	0.26	Energy Laboratories	C11090527-002A	10/4/2011	E903.0
Jane Dough	URZJA-1	9/14/2011	Radium 226 MDC	pCi/L	0.12	Energy Laboratories	C11090527-002A	10/4/2011	E903.0
Jane Dough	URZJA-1	9/14/2011	Radium 226 precision (±)	pCi/L	0.12	Energy Laboratories	C11090527-002A	10/4/2011	E903.0
Jane Dough	URZJA-1	9/14/2011	Radium 228	pCi/L	0.2	Energy Laboratories	C11090527-002A	9/27/2011	RA-05
Jane Dough	URZJA-1	9/14/2011	Radium 228 MDC	pCi/L	1.2	Energy Laboratories	C11090527-002A	9/27/2011	RA-05
Jane Dough	URZJA-1	9/14/2011	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C11090527-002A	9/27/2011	RA-05
Jane Dough	URZJA-1	9/14/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11090527-002A	10/7/2011	A4500-NH3 G
Jane Dough	URZJA-1	9/14/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11090527-002A	9/20/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-1	3/7/2012	Bicarbonate as HCO3	mg/L	145	Energy Laboratories Casper	C12030313-001	3/8/2012	A2320 B
Jane Dough	URZJA-1	3/7/2012	Carbonate as CO3	mg/L	5	Energy Laboratories Casper	C12030313-001	3/8/2012	A2320 B
Jane Dough	URZJA-1	3/7/2012	Conductivity @ 25 C	umhos/cm	543	Energy Laboratories Casper	C12030313-001	3/9/2012	A2510 B
Jane Dough	URZJA-1	3/7/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	332	Energy Laboratories Casper	C12030313-001	3/8/2012	A2540 C
Jane Dough	URZJA-1	3/7/2012	Fluoride	mg/L	0.2	Energy Laboratories Casper	C12030313-001	3/8/2012	A4500-F C
Jane Dough	URZJA-1	3/7/2012	pH	s.u.	8.98	Energy Laboratories Casper	C12030313-001	3/9/2012	A4500-H B
Jane Dough	URZJA-1	3/7/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories Casper	C12030313-001	3/13/2012	A4500-NH3 G
Jane Dough	URZJA-1	3/7/2012	A/C Balance (± 5)	%	2.37	Energy Laboratories Casper	C12030313-001	3/21/2012	Calculation
Jane Dough	URZJA-1	3/7/2012	Anions	meq/L	5.32	Energy Laboratories Casper	C12030313-001	3/21/2012	Calculation
Jane Dough	URZJA-1	3/7/2012	Cations	meq/L	5.58	Energy Laboratories Casper	C12030313-001	3/21/2012	Calculation
Jane Dough	URZJA-1	3/7/2012	Sodium Adsorption Ratio (SAR)	unitless	11.0	Energy Laboratories Casper	C12030313-001	3/13/2012	Calculation
Jane Dough	URZJA-1	3/7/2012	Solids, Total Dissolved Calculated	mg/L	350	Energy Laboratories Casper	C12030313-001	3/21/2012	Calculation
Jane Dough	URZJA-1	3/7/2012	Boron	mg/L	ND	Energy Laboratories Casper	C12030313-001	3/13/2012	E200.7
Jane Dough	URZJA-1	3/7/2012	Calcium	mg/L	8	Energy Laboratories Casper	C12030313-001	3/13/2012	E200.7
Jane Dough	URZJA-1	3/7/2012	Calcium, SAR	meq/L	0.38	Energy Laboratories Casper	C12030313-001	3/13/2012	E200.7
Jane Dough	URZJA-1	3/7/2012	Iron	mg/L	ND	Energy Laboratories Casper	C12030313-001	3/13/2012	E200.7
Jane Dough	URZJA-1	3/7/2012	Iron	mg/L	ND	Energy Laboratories Casper	C12030313-001	3/9/2012	E200.7
Jane Dough	URZJA-1	3/7/2012	Magnesium	mg/L	ND	Energy Laboratories Casper	C12030313-001	3/13/2012	E200.7
Jane Dough	URZJA-1	3/7/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories Casper	C12030313-001	3/13/2012	E200.7
Jane Dough	URZJA-1	3/7/2012	Manganese	mg/L	ND	Energy Laboratories Casper	C12030313-001	3/9/2012	E200.7
Jane Dough	URZJA-1	3/7/2012	Potassium	mg/L	5	Energy Laboratories Casper	C12030313-001	3/13/2012	E200.7
Jane Dough	URZJA-1	3/7/2012	Silica	mg/L	10.9	Energy Laboratories Casper	C12030313-001	3/15/2012	E200.7
Jane Dough	URZJA-1	3/7/2012	Sodium	mg/L	116	Energy Laboratories Casper	C12030313-001	3/13/2012	E200.7
Jane Dough	URZJA-1	3/7/2012	Sodium, SAR	meq/L	5.03	Energy Laboratories Casper	C12030313-001	3/13/2012	E200.7
Jane Dough	URZJA-1	3/7/2012	Aluminum	mg/L	ND	Energy Laboratories Casper	C12030313-001	3/12/2012	E200.8
Jane Dough	URZJA-1	3/7/2012	Arsenic	mg/L	0.003	Energy Laboratories Casper	C12030313-001	3/9/2012	E200.8
Jane Dough	URZJA-1	3/7/2012	Barium	mg/L	ND	Energy Laboratories Casper	C12030313-001	3/9/2012	E200.8
Jane Dough	URZJA-1	3/7/2012	Cadmium	mg/L	ND	Energy Laboratories Casper	C12030313-001	3/9/2012	E200.8
Jane Dough	URZJA-1	3/7/2012	Chromium	mg/L	ND	Energy Laboratories Casper	C12030313-001	3/9/2012	E200.8
Jane Dough	URZJA-1	3/7/2012	Copper	mg/L	ND	Energy Laboratories Casper	C12030313-001	3/9/2012	E200.8
Jane Dough	URZJA-1	3/7/2012	Lead	mg/L	ND	Energy Laboratories Casper	C12030313-001	3/9/2012	E200.8
Jane Dough	URZJA-1	3/7/2012	Manganese	mg/L	ND	Energy Laboratories Casper	C12030313-001	3/9/2012	E200.8
Jane Dough	URZJA-1	3/7/2012	Mercury	mg/L	ND	Energy Laboratories Casper	C12030313-001	3/12/2012	E200.8
Jane Dough	URZJA-1	3/7/2012	Molybdenum	mg/L	ND	Energy Laboratories Casper	C12030313-001	3/9/2012	E200.8
Jane Dough	URZJA-1	3/7/2012	Nickel	mg/L	ND	Energy Laboratories Casper	C12030313-001	3/9/2012	E200.8
Jane Dough	URZJA-1	3/7/2012	Selenium	mg/L	ND	Energy Laboratories Casper	C12030313-001	3/9/2012	E200.8
Jane Dough	URZJA-1	3/7/2012	Uranium	mg/L	0.0326	Energy Laboratories Casper	C12030313-001	3/9/2012	E200.8
Jane Dough	URZJA-1	3/7/2012	Vanadium	mg/L	ND	Energy Laboratories Casper	C12030313-001	3/9/2012	E200.8
Jane Dough	URZJA-1	3/7/2012	Zinc	mg/L	ND	Energy Laboratories Casper	C12030313-001	3/9/2012	E200.8
Jane Dough	URZJA-1	3/7/2012	Chloride	mg/L	6	Energy Laboratories Casper	C12030313-001	3/13/2012	E300.0
Jane Dough	URZJA-1	3/7/2012	Sulfate	mg/L	124	Energy Laboratories Casper	C12030313-001	3/13/2012	E300.0
Jane Dough	URZJA-1	3/7/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories Casper	C12030313-001	3/9/2012	E353.2
Jane Dough	URZJA-1	3/7/2012	Gross Alpha	pCi/L	46.8	Energy Laboratories Casper	C12030313-001	3/21/2012	E900.0
Jane Dough	URZJA-1	3/7/2012	Gross Alpha MDC	pCi/L	2.6	Energy Laboratories Casper	C12030313-001	3/21/2012	E900.0
Jane Dough	URZJA-1	3/7/2012	Gross Alpha precision (±)	pCi/L	3.5	Energy Laboratories Casper	C12030313-001	3/21/2012	E900.0
Jane Dough	URZJA-1	3/7/2012	Gross Beta	pCi/L	10.6	Energy Laboratories Casper	C12030313-001	3/21/2012	E900.0
Jane Dough	URZJA-1	3/7/2012	Gross Beta MDC	pCi/L	3.0	Energy Laboratories Casper	C12030313-001	3/21/2012	E900.0
Jane Dough	URZJA-1	3/7/2012	Gross Beta precision (±)	pCi/L	2.0	Energy Laboratories Casper	C12030313-001	3/21/2012	E900.0
Jane Dough	URZJA-1	3/7/2012	Radium 226	pCi/L	0.33	Energy Laboratories Casper	C12030313-001	3/27/2012	E903.0
Jane Dough	URZJA-1	3/7/2012	Radium 226 MDC	pCi/L	0.15	Energy Laboratories Casper	C12030313-001	3/27/2012	E903.0
Jane Dough	URZJA-1	3/7/2012	Radium 226 precision (±)	pCi/L	0.14	Energy Laboratories Casper	C12030313-001	3/27/2012	E903.0
Jane Dough	URZJA-1	3/7/2012	Radium 228	pCi/L	-0.1	Energy Laboratories Casper	C12030313-001	3/19/2012	RA-05
Jane Dough	URZJA-1	3/7/2012	Radium 228 MDC	pCi/L	1.3	Energy Laboratories Casper	C12030313-001	3/19/2012	RA-05
Jane Dough	URZJA-1	3/7/2012	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories Casper	C12030313-001	3/19/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-1	6/19/2012	A/C Balance (± 5)	%	4.26	Energy Laboratories	C12060799-001	7/11/2012	A1030 E
Jane Dough	URZJA-1	6/19/2012	Anions	meq/L	5.46	Energy Laboratories	C12060799-001	7/11/2012	A1030 E
Jane Dough	URZJA-1	6/19/2012	Cations	meq/L	5.94	Energy Laboratories	C12060799-001	7/11/2012	A1030 E
Jane Dough	URZJA-1	6/19/2012	Solids, Total Dissolved Calculated	mg/L	360	Energy Laboratories	C12060799-001	7/11/2012	A1030 E
Jane Dough	URZJA-1	6/19/2012	TDS Balance (0.80 - 1.20)		1.01	Energy Laboratories	C12060799-001	7/11/2012	A1030 E
Jane Dough	URZJA-1	6/19/2012	Alkalinity, Total as CaCO3	mg/L	134	Energy Laboratories	C12060799-001	6/20/2012	A2320 B
Jane Dough	URZJA-1	6/19/2012	Bicarbonate as HCO3	mg/L	158	Energy Laboratories	C12060799-001	6/20/2012	A2320 B
Jane Dough	URZJA-1	6/19/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12060799-001	6/20/2012	A2320 B
Jane Dough	URZJA-1	6/19/2012	Conductivity @ 25 C	umhos/cm	564	Energy Laboratories	C12060799-001	6/20/2012	A2510 B
Jane Dough	URZJA-1	6/19/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	366	Energy Laboratories	C12060799-001	6/21/2012	A2540 C
Jane Dough	URZJA-1	6/19/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12060799-001	6/21/2012	A4500-F C
Jane Dough	URZJA-1	6/19/2012	pH	s.u.	8.58	Energy Laboratories	C12060799-001	6/20/2012	A4500-H B
Jane Dough	URZJA-1	6/19/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12060799-001	6/29/2012	A4500-NH3 G
Jane Dough	URZJA-1	6/19/2012	Aluminum	mg/L	ND	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Barium	mg/L	ND	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Boron	mg/L	ND	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Cadmium	mg/L	ND	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Calcium	mg/L	11	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Calcium, SAR	meq/L	0.55	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Chromium	mg/L	ND	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Copper	mg/L	ND	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Iron	mg/L	ND	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Iron	mg/L	ND	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Magnesium	mg/L	ND	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Manganese	mg/L	ND	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Manganese	mg/L	ND	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Nickel	mg/L	ND	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Potassium	mg/L	4	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Silica	mg/L	11.5	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Sodium	mg/L	120	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Sodium, SAR	meq/L	5.22	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Vanadium	mg/L	ND	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Zinc	mg/L	ND	Energy Laboratories	C12060799-001	7/10/2012	E200.7
Jane Dough	URZJA-1	6/19/2012	Arsenic	mg/L	0.002	Energy Laboratories	C12060799-001	7/11/2012	E200.8
Jane Dough	URZJA-1	6/19/2012	Lead	mg/L	ND	Energy Laboratories	C12060799-001	7/11/2012	E200.8
Jane Dough	URZJA-1	6/19/2012	Mercury	mg/L	ND	Energy Laboratories	C12060799-001	7/11/2012	E200.8
Jane Dough	URZJA-1	6/19/2012	Selenium	mg/L	ND	Energy Laboratories	C12060799-001	7/11/2012	E200.8
Jane Dough	URZJA-1	6/19/2012	Uranium	mg/L	0.0323	Energy Laboratories	C12060799-001	7/11/2012	E200.8
Jane Dough	URZJA-1	6/19/2012	Chloride	mg/L	6	Energy Laboratories	C12060799-001	6/27/2012	E300.0
Jane Dough	URZJA-1	6/19/2012	Sulfate	mg/L	124	Energy Laboratories	C12060799-001	6/27/2012	E300.0
Jane Dough	URZJA-1	6/19/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12060799-001	6/26/2012	E353.2
Jane Dough	URZJA-1	6/19/2012	Gross Alpha	pCi/L	47.4	Energy Laboratories	C12060799-001	7/2/2012	E900.0
Jane Dough	URZJA-1	6/19/2012	Gross Alpha MDC	pCi/L	2.2	Energy Laboratories	C12060799-001	7/2/2012	E900.0
Jane Dough	URZJA-1	6/19/2012	Gross Alpha precision (±)	pCi/L	2.6	Energy Laboratories	C12060799-001	7/2/2012	E900.0
Jane Dough	URZJA-1	6/19/2012	Gross Beta	pCi/L	6.4	Energy Laboratories	C12060799-001	7/2/2012	E900.0
Jane Dough	URZJA-1	6/19/2012	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C12060799-001	7/2/2012	E900.0
Jane Dough	URZJA-1	6/19/2012	Gross Beta precision (±)	pCi/L	1.8	Energy Laboratories	C12060799-001	7/2/2012	E900.0
Jane Dough	URZJA-1	6/19/2012	Radium 226	pCi/L	0.46	Energy Laboratories	C12060799-001	7/10/2012	E903.0
Jane Dough	URZJA-1	6/19/2012	Radium 226 MDC	pCi/L	0.19	Energy Laboratories	C12060799-001	7/10/2012	E903.0
Jane Dough	URZJA-1	6/19/2012	Radium 226 precision (±)	pCi/L	0.18	Energy Laboratories	C12060799-001	7/10/2012	E903.0
Jane Dough	URZJA-1	6/19/2012	Radium 228	pCi/L	-0.03	Energy Laboratories	C12060799-001	7/5/2012	RA-05
Jane Dough	URZJA-1	6/19/2012	Radium 228 MDC	pCi/L	1.2	Energy Laboratories	C12060799-001	7/5/2012	RA-05
Jane Dough	URZJA-1	6/19/2012	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C12060799-001	7/5/2012	RA-05
Jane Dough	URZJA-1	6/19/2012	Sodium Adsorption Ratio (SAR)	unitless	9.4	Energy Laboratories	C12060799-001	7/10/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-1	7/18/2012	A/C Balance (± 5)	%	-0.312	Energy Laboratories	C12070656-001	8/15/2012	A1030 E
Jane Dough	URZJA-1	7/18/2012	Anions	meq/L	5.77	Energy Laboratories	C12070656-001	8/15/2012	A1030 E
Jane Dough	URZJA-1	7/18/2012	Cations	meq/L	5.73	Energy Laboratories	C12070656-001	8/15/2012	A1030 E
Jane Dough	URZJA-1	7/18/2012	Solids, Total Dissolved Calculated	mg/L	370	Energy Laboratories	C12070656-001	8/15/2012	A1030 E
Jane Dough	URZJA-1	7/18/2012	TDS Balance (0.80 - 1.20)		0.980	Energy Laboratories	C12070656-001	8/15/2012	A1030 E
Jane Dough	URZJA-1	7/18/2012	Bicarbonate as HCO3	mg/L	156	Energy Laboratories	C12070656-001	7/19/2012	A2320 B
Jane Dough	URZJA-1	7/18/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12070656-001	7/19/2012	A2320 B
Jane Dough	URZJA-1	7/18/2012	Conductivity @ 25 C	umhos/cm	566	Energy Laboratories	C12070656-001	7/20/2012	A2510 B
Jane Dough	URZJA-1	7/18/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	362	Energy Laboratories	C12070656-001	7/20/2012	A2540 C
Jane Dough	URZJA-1	7/18/2012	Solids, Total Suspended TSS @ 105 C	mg/L	ND	Energy Laboratories	C12070656-001	7/20/2012	A2540 D
Jane Dough	URZJA-1	7/18/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12070656-001	7/20/2012	A4500-F C
Jane Dough	URZJA-1	7/18/2012	pH	s.u.	8.41	Energy Laboratories	C12070656-001	7/20/2012	A4500-H B
Jane Dough	URZJA-1	7/18/2012	Nitrogen, Ammonia as N	mg/L	0.06	Energy Laboratories	C12070656-001	7/20/2012	A4500-NH3 G
Jane Dough	URZJA-1	7/18/2012	Aluminum	mg/L	ND	Energy Laboratories	C12070656-001	8/8/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Barium	mg/L	ND	Energy Laboratories	C12070656-001	8/8/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Boron	mg/L	ND	Energy Laboratories	C12070656-001	8/8/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Cadmium	mg/L	ND	Energy Laboratories	C12070656-001	8/8/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Calcium	mg/L	13	Energy Laboratories	C12070656-001	8/13/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Calcium, SAR	meq/L	0.64	Energy Laboratories	C12070656-001	8/13/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Chromium	mg/L	ND	Energy Laboratories	C12070656-001	8/8/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Copper	mg/L	ND	Energy Laboratories	C12070656-001	8/8/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Iron	mg/L	ND	Energy Laboratories	C12070656-001	8/8/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Iron	mg/L	ND	Energy Laboratories	C12070656-001	7/26/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Magnesium	mg/L	ND	Energy Laboratories	C12070656-001	8/13/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12070656-001	8/13/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Manganese	mg/L	ND	Energy Laboratories	C12070656-001	8/8/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Manganese	mg/L	ND	Energy Laboratories	C12070656-001	7/26/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12070656-001	8/8/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Nickel	mg/L	ND	Energy Laboratories	C12070656-001	8/8/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Potassium	mg/L	3	Energy Laboratories	C12070656-001	8/13/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Silica	mg/L	11.2	Energy Laboratories	C12070656-001	8/8/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Sodium	mg/L	113	Energy Laboratories	C12070656-001	8/13/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Sodium, SAR	meq/L	4.93	Energy Laboratories	C12070656-001	8/13/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Vanadium	mg/L	ND	Energy Laboratories	C12070656-001	8/14/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Zinc	mg/L	0.01	Energy Laboratories	C12070656-001	8/8/2012	E200.7
Jane Dough	URZJA-1	7/18/2012	Arsenic	mg/L	0.002	Energy Laboratories	C12070656-001	8/9/2012	E200.8
Jane Dough	URZJA-1	7/18/2012	Lead	mg/L	ND	Energy Laboratories	C12070656-001	8/9/2012	E200.8
Jane Dough	URZJA-1	7/18/2012	Mercury	mg/L	ND	Energy Laboratories	C12070656-001	8/9/2012	E200.8
Jane Dough	URZJA-1	7/18/2012	Selenium	mg/L	ND	Energy Laboratories	C12070656-001	8/9/2012	E200.8
Jane Dough	URZJA-1	7/18/2012	Uranium	mg/L	0.0385	Energy Laboratories	C12070656-001	8/9/2012	E200.8
Jane Dough	URZJA-1	7/18/2012	Chloride	mg/L	7	Energy Laboratories	C12070656-001	7/21/2012	E300.0
Jane Dough	URZJA-1	7/18/2012	Sulfate	mg/L	139	Energy Laboratories	C12070656-001	7/21/2012	E300.0
Jane Dough	URZJA-1	7/18/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12070656-001	7/23/2012	E353.2
Jane Dough	URZJA-1	7/18/2012	Gross Alpha	pCi/L	37.2	Energy Laboratories	C12070656-001	7/27/2012	E900.0
Jane Dough	URZJA-1	7/18/2012	Gross Alpha MDC	pCi/L	1.6	Energy Laboratories	C12070656-001	7/27/2012	E900.0
Jane Dough	URZJA-1	7/18/2012	Gross Alpha precision (±)	pCi/L	2.2	Energy Laboratories	C12070656-001	7/27/2012	E900.0
Jane Dough	URZJA-1	7/18/2012	Gross Beta	pCi/L	3.6	Energy Laboratories	C12070656-001	7/27/2012	E900.0
Jane Dough	URZJA-1	7/18/2012	Gross Beta MDC	pCi/L	2.9	Energy Laboratories	C12070656-001	7/27/2012	E900.0
Jane Dough	URZJA-1	7/18/2012	Gross Beta precision (±)	pCi/L	1.9	Energy Laboratories	C12070656-001	7/27/2012	E900.0
Jane Dough	URZJA-1	7/18/2012	Radium 226	pCi/L	0.59	Energy Laboratories	C12070656-001	8/7/2012	E903.0
Jane Dough	URZJA-1	7/18/2012	Radium 226 MDC	pCi/L	0.13	Energy Laboratories	C12070656-001	8/7/2012	E903.0
Jane Dough	URZJA-1	7/18/2012	Radium 226 precision (±)	pCi/L	0.16	Energy Laboratories	C12070656-001	8/7/2012	E903.0
Jane Dough	URZJA-1	7/18/2012	Radium 228	pCi/L	-0.03	Energy Laboratories	C12070656-001	7/30/2012	RA-05
Jane Dough	URZJA-1	7/18/2012	Radium 228 MDC	pCi/L	1.3	Energy Laboratories	C12070656-001	7/30/2012	RA-05
Jane Dough	URZJA-1	7/18/2012	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C12070656-001	7/30/2012	RA-05
Jane Dough	URZJA-1	7/18/2012	Sodium Adsorption Ratio (SAR)	unitless	8.2	Energy Laboratories	C12070656-001	8/13/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-2	9/21/2011	A/C Balance (± 5)	%	1.90	Energy Laboratories	C11090834-001A	10/17/2011	Calculation
Jane Dough	URZJA-2	9/21/2011	Anions	meq/L	5.55	Energy Laboratories	C11090834-001A	10/17/2011	Calculation
Jane Dough	URZJA-2	9/21/2011	Bicarbonate as HCO3	mg/L	127	Energy Laboratories	C11090834-001A	9/22/2011	A2320 B
Jane Dough	URZJA-2	9/21/2011	Carbonate as CO3	mg/L	12	Energy Laboratories	C11090834-001A	9/22/2011	A2320 B
Jane Dough	URZJA-2	9/21/2011	Cations	meq/L	5.77	Energy Laboratories	C11090834-001A	10/17/2011	Calculation
Jane Dough	URZJA-2	9/21/2011	Chloride	mg/L	6	Energy Laboratories	C11090834-001A	9/25/2011	E300.0
Jane Dough	URZJA-2	9/21/2011	Conductivity @ 25 C	umhos/cm	570	Energy Laboratories	C11090834-001A	9/22/2011	A2510 B
Jane Dough	URZJA-2	9/21/2011	Fluoride	mg/L	0.2	Energy Laboratories	C11090834-001A	9/28/2011	E300.0
Jane Dough	URZJA-2	9/21/2011	pH	s.u.	9.29	Energy Laboratories	C11090834-001A	9/22/2011	A4500-H B
Jane Dough	URZJA-2	9/21/2011	Solids, Total Dissolved Calculated	mg/L	369	Energy Laboratories	C11090834-001A	10/17/2011	Calculation
Jane Dough	URZJA-2	9/21/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	715	Energy Laboratories	C11090834-001A	9/26/2011	A2540 C
Jane Dough	URZJA-2	9/21/2011	Sulfate	mg/L	137	Energy Laboratories	C11090834-001A	9/25/2011	E300.0
Jane Dough	URZJA-2	9/21/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11090834-001A	9/22/2011	E200.8
Jane Dough	URZJA-2	9/21/2011	Arsenic	mg/L	0.003	Energy Laboratories	C11090834-001A	9/22/2011	E200.8
Jane Dough	URZJA-2	9/21/2011	Barium	mg/L	<0.1	Energy Laboratories	C11090834-001A	9/22/2011	E200.8
Jane Dough	URZJA-2	9/21/2011	Boron	mg/L	<0.1	Energy Laboratories	C11090834-001A	10/14/2011	E200.7
Jane Dough	URZJA-2	9/21/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11090834-001A	9/22/2011	E200.8
Jane Dough	URZJA-2	9/21/2011	Calcium	mg/L	11	Energy Laboratories	C11090834-001A	10/14/2011	E200.7
Jane Dough	URZJA-2	9/21/2011	Calcium, SAR	meq/L	0.57	Energy Laboratories	C11090834-001A	10/14/2011	E200.7
Jane Dough	URZJA-2	9/21/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11090834-001A	9/22/2011	E200.8
Jane Dough	URZJA-2	9/21/2011	Copper	mg/L	<0.01	Energy Laboratories	C11090834-001A	9/22/2011	E200.8
Jane Dough	URZJA-2	9/21/2011	Iron	mg/L	<0.03	Energy Laboratories	C11090834-001A	10/14/2011	E200.7
Jane Dough	URZJA-2	9/21/2011	Lead	mg/L	<0.001	Energy Laboratories	C11090834-001A	9/22/2011	E200.8
Jane Dough	URZJA-2	9/21/2011	Magnesium	mg/L	<1	Energy Laboratories	C11090834-001A	10/14/2011	E200.7
Jane Dough	URZJA-2	9/21/2011	Magnesium, SAR	meq/L	<0.0833333	Energy Laboratories	C11090834-001A	10/14/2011	E200.7
Jane Dough	URZJA-2	9/21/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11090834-001A	9/22/2011	E200.8
Jane Dough	URZJA-2	9/21/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11090834-001A	9/22/2011	E200.8
Jane Dough	URZJA-2	9/21/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11090834-001A	9/22/2011	E200.8
Jane Dough	URZJA-2	9/21/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11090834-001A	9/22/2011	E200.8
Jane Dough	URZJA-2	9/21/2011	Potassium	mg/L	10	Energy Laboratories	C11090834-001A	10/14/2011	E200.7
Jane Dough	URZJA-2	9/21/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11090834-001A	9/22/2011	E200.8
Jane Dough	URZJA-2	9/21/2011	Silica	mg/L	11.6	Energy Laboratories	C11090834-001A	10/14/2011	E200.7
Jane Dough	URZJA-2	9/21/2011	Sodium	mg/L	112	Energy Laboratories	C11090834-001A	10/14/2011	E200.7
Jane Dough	URZJA-2	9/21/2011	Sodium Adsorption Ratio (SAR)	unitless	8.7	Energy Laboratories	C11090834-001A	10/17/2011	Calculation
Jane Dough	URZJA-2	9/21/2011	Sodium, SAR	meq/L	4.88	Energy Laboratories	C11090834-001A	10/14/2011	E200.7
Jane Dough	URZJA-2	9/21/2011	Uranium	mg/L	0.0270	Energy Laboratories	C11090834-001A	9/22/2011	E200.8
Jane Dough	URZJA-2	9/21/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11090834-001A	9/22/2011	E200.8
Jane Dough	URZJA-2	9/21/2011	Zinc	mg/L	<0.01	Energy Laboratories	C11090834-001A	9/22/2011	E200.8
Jane Dough	URZJA-2	9/21/2011	Iron	mg/L	<0.03	Energy Laboratories	C11090834-001A	10/11/2011	E200.8
Jane Dough	URZJA-2	9/21/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11090834-001A	10/11/2011	E200.8
Jane Dough	URZJA-2	9/21/2011	Gross Alpha	pCi/L	968	Energy Laboratories	C11090834-001A	10/20/2011	E900.0
Jane Dough	URZJA-2	9/21/2011	Gross Alpha MDC	pCi/L	3.4	Energy Laboratories	C11090834-001A	10/20/2011	E900.0
Jane Dough	URZJA-2	9/21/2011	Gross Alpha precision (±)	pCi/L	15.8	Energy Laboratories	C11090834-001A	10/20/2011	E900.0
Jane Dough	URZJA-2	9/21/2011	Gross Beta	pCi/L	611	Energy Laboratories	C11090834-001A	10/20/2011	E900.0
Jane Dough	URZJA-2	9/21/2011	Gross Beta MDC	pCi/L	3.0	Energy Laboratories	C11090834-001A	10/20/2011	E900.0
Jane Dough	URZJA-2	9/21/2011	Gross Beta precision (±)	pCi/L	6.6	Energy Laboratories	C11090834-001A	10/20/2011	E900.0
Jane Dough	URZJA-2	9/21/2011	Radium 226	pCi/L	165	Energy Laboratories	C11090834-001A	11/3/2011	E903.0
Jane Dough	URZJA-2	9/21/2011	Radium 226 MDC	pCi/L	0.14	Energy Laboratories	C11090834-001A	11/3/2011	E903.0
Jane Dough	URZJA-2	9/21/2011	Radium 226 precision (±)	pCi/L	2.4	Energy Laboratories	C11090834-001A	11/3/2011	E903.0
Jane Dough	URZJA-2	9/21/2011	Radium 228	pCi/L	0.8	Energy Laboratories	C11090834-001A	10/27/2011	RA-05
Jane Dough	URZJA-2	9/21/2011	Radium 228 MDC	pCi/L	1.2	Energy Laboratories	C11090834-001A	10/27/2011	RA-05
Jane Dough	URZJA-2	9/21/2011	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories	C11090834-001A	10/27/2011	RA-05
Jane Dough	URZJA-2	9/21/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11090834-001A	10/10/2011	A4500-NH3 G
Jane Dough	URZJA-2	9/21/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11090834-001A	9/29/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-2	2/6/2012	Bicarbonate as HCO3	mg/L	129	Energy Laboratories	C12020202-002	2/8/2012	A2320 B
Jane Dough	URZJA-2	2/6/2012	Carbonate as CO3	mg/L	13	Energy Laboratories	C12020202-002	2/8/2012	A2320 B
Jane Dough	URZJA-2	2/6/2012	Conductivity @ 25 C	umhos/cm	599	Energy Laboratories	C12020202-002	2/7/2012	A2510 B
Jane Dough	URZJA-2	2/6/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	346	Energy Laboratories	C12020202-002	2/8/2012	A2540 C
Jane Dough	URZJA-2	2/6/2012	pH	s.u.	9.39	Energy Laboratories	C12020202-002	2/7/2012	A4500-H B
Jane Dough	URZJA-2	2/6/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12020202-002	2/7/2012	A4500-NH3 G
Jane Dough	URZJA-2	2/6/2012	A/C Balance (± 5)	%	1.46	Energy Laboratories	C12020202-002	2/15/2012	Calculation
Jane Dough	URZJA-2	2/6/2012	Anions	meq/L	5.50	Energy Laboratories	C12020202-002	2/15/2012	Calculation
Jane Dough	URZJA-2	2/6/2012	Cations	meq/L	5.66	Energy Laboratories	C12020202-002	2/15/2012	Calculation
Jane Dough	URZJA-2	2/6/2012	Sodium Adsorption Ratio (SAR)	unitless	9.2	Energy Laboratories	C12020202-002	2/7/2012	Calculation
Jane Dough	URZJA-2	2/6/2012	Solids, Total Dissolved Calculated	mg/L	361	Energy Laboratories	C12020202-002	2/15/2012	Calculation
Jane Dough	URZJA-2	2/6/2012	Boron	mg/L	ND	Energy Laboratories	C12020202-002	2/10/2012	E200.7
Jane Dough	URZJA-2	2/6/2012	Silica	mg/L	11.5	Energy Laboratories	C12020202-002	3/6/2012	E200.7
Jane Dough	URZJA-2	2/6/2012	Zinc	mg/L	0.01	Energy Laboratories	C12020202-002	2/10/2012	E200.7
Jane Dough	URZJA-2	2/6/2012	Aluminum	mg/L	ND	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Arsenic	mg/L	0.002	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Barium	mg/L	ND	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Cadmium	mg/L	ND	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Calcium	mg/L	10	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Calcium, SAR	meq/L	0.50	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Chromium	mg/L	ND	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Copper	mg/L	ND	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Iron	mg/L	ND	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Iron	mg/L	ND	Energy Laboratories	C12020202-002	2/8/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Lead	mg/L	ND	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Magnesium	mg/L	ND	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Manganese	mg/L	ND	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Manganese	mg/L	ND	Energy Laboratories	C12020202-002	2/8/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Mercury	mg/L	ND	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12020202-002	2/13/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Nickel	mg/L	ND	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Potassium	mg/L	11	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Selenium	mg/L	ND	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Sodium	mg/L	111	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Sodium, SAR	meq/L	4.83	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Uranium	mg/L	0.0150	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Vanadium	mg/L	ND	Energy Laboratories	C12020202-002	2/7/2012	E200.8
Jane Dough	URZJA-2	2/6/2012	Chloride	mg/L	6	Energy Laboratories	C12020202-002	2/10/2012	E300.0
Jane Dough	URZJA-2	2/6/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12020202-002	2/10/2012	E300.0
Jane Dough	URZJA-2	2/6/2012	Sulfate	mg/L	133	Energy Laboratories	C12020202-002	2/10/2012	E300.0
Jane Dough	URZJA-2	2/6/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12020202-002	2/8/2012	E353.2
Jane Dough	URZJA-2	2/6/2012	Gross Alpha	pCi/L	1070	Energy Laboratories	C12020202-002	2/25/2012	E900.0
Jane Dough	URZJA-2	2/6/2012	Gross Alpha MDC	pCi/L	2.6	Energy Laboratories	C12020202-002	2/25/2012	E900.0
Jane Dough	URZJA-2	2/6/2012	Gross Alpha precision (±)	pCi/L	15.4	Energy Laboratories	C12020202-002	2/25/2012	E900.0
Jane Dough	URZJA-2	2/6/2012	Gross Beta	pCi/L	564	Energy Laboratories	C12020202-002	2/25/2012	E900.0
Jane Dough	URZJA-2	2/6/2012	Gross Beta MDC	pCi/L	2.7	Energy Laboratories	C12020202-002	2/25/2012	E900.0
Jane Dough	URZJA-2	2/6/2012	Gross Beta precision (±)	pCi/L	5.9	Energy Laboratories	C12020202-002	2/25/2012	E900.0
Jane Dough	URZJA-2	2/6/2012	Radium 226	pCi/L	168	Energy Laboratories	C12020202-002	2/29/2012	E903.0
Jane Dough	URZJA-2	2/6/2012	Radium 226 MDC	pCi/L	0.17	Energy Laboratories	C12020202-002	2/29/2012	E903.0
Jane Dough	URZJA-2	2/6/2012	Radium 226 precision (±)	pCi/L	2.6	Energy Laboratories	C12020202-002	2/29/2012	E903.0
Jane Dough	URZJA-2	2/6/2012	Radium 228	pCi/L	3.0	Energy Laboratories	C12020202-002	2/22/2012	RA-05
Jane Dough	URZJA-2	2/6/2012	Radium 228 MDC	pCi/L	1.2	Energy Laboratories	C12020202-002	2/22/2012	RA-05
Jane Dough	URZJA-2	2/6/2012	Radium 228 precision (±)	pCi/L	0.9	Energy Laboratories	C12020202-002	2/22/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-2	12/12/2012	A/C Balance (± 5)	%	2.74	Energy Laboratories	C12120446-001	1/3/2013	A1030 E
Jane Dough	URZJA-2	12/12/2012	Anions	meq/L	5.68	Energy Laboratories	C12120446-001	1/3/2013	A1030 E
Jane Dough	URZJA-2	12/12/2012	Cations	meq/L	6.00	Energy Laboratories	C12120446-001	1/3/2013	A1030 E
Jane Dough	URZJA-2	12/12/2012	Solids, Total Dissolved Calculated	mg/L	370	Energy Laboratories	C12120446-001	1/3/2013	A1030 E
Jane Dough	URZJA-2	12/12/2012	TDS Balance (0.80 - 1.20)		1.01	Energy Laboratories	C12120446-001	1/3/2013	A1030 E
Jane Dough	URZJA-2	12/12/2012	Alkalinity, Total as CaCO3	mg/L	136	Energy Laboratories	C12120446-001	12/13/2012	A2320 B
Jane Dough	URZJA-2	12/12/2012	Bicarbonate as HCO3	mg/L	156	Energy Laboratories	C12120446-001	12/13/2012	A2320 B
Jane Dough	URZJA-2	12/12/2012	Carbonate as CO3	mg/L	5	Energy Laboratories	C12120446-001	12/13/2012	A2320 B
Jane Dough	URZJA-2	12/12/2012	Conductivity @ 25 C	umhos/cm	567	Energy Laboratories	C12120446-001	12/13/2012	A2510 B
Jane Dough	URZJA-2	12/12/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	374	Energy Laboratories	C12120446-001	12/13/2012	A2540 C
Jane Dough	URZJA-2	12/12/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12120446-001	12/13/2012	A4500-F C
Jane Dough	URZJA-2	12/12/2012	pH	s.u.	8.72	Energy Laboratories	C12120446-001	12/13/2012	A4500-H B
Jane Dough	URZJA-2	12/12/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12120446-001	12/13/2012	A4500-NH3 G
Jane Dough	URZJA-2	12/12/2012	Aluminum	mg/L	ND	Energy Laboratories	C12120446-001	12/28/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Barium	mg/L	ND	Energy Laboratories	C12120446-001	12/28/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Boron	mg/L	ND	Energy Laboratories	C12120446-001	12/28/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Cadmium	mg/L	ND	Energy Laboratories	C12120446-001	12/28/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Calcium	mg/L	12	Energy Laboratories	C12120446-001	12/20/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Calcium, SAR	meq/L	0.60	Energy Laboratories	C12120446-001	12/20/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Chromium	mg/L	ND	Energy Laboratories	C12120446-001	12/28/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Copper	mg/L	ND	Energy Laboratories	C12120446-001	12/28/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Iron	mg/L	ND	Energy Laboratories	C12120446-001	12/28/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Iron	mg/L	ND	Energy Laboratories	C12120446-001	12/19/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Magnesium	mg/L	ND	Energy Laboratories	C12120446-001	12/20/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12120446-001	12/20/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Manganese	mg/L	ND	Energy Laboratories	C12120446-001	12/28/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Manganese	mg/L	0.006	Energy Laboratories	C12120446-001	12/19/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12120446-001	12/28/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Nickel	mg/L	ND	Energy Laboratories	C12120446-001	12/28/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Potassium	mg/L	4	Energy Laboratories	C12120446-001	12/28/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Silica	mg/L	9.9	Energy Laboratories	C12120446-001	12/20/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Sodium	mg/L	120	Energy Laboratories	C12120446-001	12/28/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Sodium, SAR	meq/L	5.21	Energy Laboratories	C12120446-001	12/28/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Vanadium	mg/L	ND	Energy Laboratories	C12120446-001	12/28/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Zinc	mg/L	ND	Energy Laboratories	C12120446-001	12/28/2012	E200.7
Jane Dough	URZJA-2	12/12/2012	Arsenic	mg/L	0.002	Energy Laboratories	C12120446-001	12/31/2012	E200.8
Jane Dough	URZJA-2	12/12/2012	Lead	mg/L	ND	Energy Laboratories	C12120446-001	12/31/2012	E200.8
Jane Dough	URZJA-2	12/12/2012	Mercury	mg/L	ND	Energy Laboratories	C12120446-001	12/31/2012	E200.8
Jane Dough	URZJA-2	12/12/2012	Selenium	mg/L	ND	Energy Laboratories	C12120446-001	12/31/2012	E200.8
Jane Dough	URZJA-2	12/12/2012	Uranium	mg/L	0.0316	Energy Laboratories	C12120446-001	12/31/2012	E200.8
Jane Dough	URZJA-2	12/12/2012	Chloride	mg/L	8	Energy Laboratories	C12120446-001	12/13/2012	E300.0
Jane Dough	URZJA-2	12/12/2012	Sulfate	mg/L	131	Energy Laboratories	C12120446-001	12/13/2012	E300.0
Jane Dough	URZJA-2	12/12/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12120446-001	12/14/2012	E353.2
Jane Dough	URZJA-2	12/12/2012	Gross Alpha	pCi/L	1030	Energy Laboratories	C12120446-001	1/3/2013	E900.0
Jane Dough	URZJA-2	12/12/2012	Gross Alpha MDC	pCi/L	1.8	Energy Laboratories	C12120446-001	1/3/2013	E900.0
Jane Dough	URZJA-2	12/12/2012	Gross Alpha precision (±)	pCi/L	10.7	Energy Laboratories	C12120446-001	1/3/2013	E900.0
Jane Dough	URZJA-2	12/12/2012	Gross Beta	pCi/L	484	Energy Laboratories	C12120446-001	1/3/2013	E900.0
Jane Dough	URZJA-2	12/12/2012	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C12120446-001	1/3/2013	E900.0
Jane Dough	URZJA-2	12/12/2012	Gross Beta precision (±)	pCi/L	6.0	Energy Laboratories	C12120446-001	1/3/2013	E900.0
Jane Dough	URZJA-2	12/12/2012	Radium 226	pCi/L	135	Energy Laboratories	C12120446-001	12/27/2012	E903.0
Jane Dough	URZJA-2	12/12/2012	Radium 226 MDC	pCi/L	0.23	Energy Laboratories	C12120446-001	12/27/2012	E903.0
Jane Dough	URZJA-2	12/12/2012	Radium 226 precision (±)	pCi/L	2.6	Energy Laboratories	C12120446-001	12/27/2012	E903.0
Jane Dough	URZJA-2	12/12/2012	Radium 228	pCi/L	2.0	Energy Laboratories	C12120446-001	12/20/2012	RA-05
Jane Dough	URZJA-2	12/12/2012	Radium 228 MDC	pCi/L	1.5	Energy Laboratories	C12120446-001	12/20/2012	RA-05
Jane Dough	URZJA-2	12/12/2012	Radium 228 precision (±)	pCi/L	1.0	Energy Laboratories	C12120446-001	12/20/2012	RA-05
Jane Dough	URZJA-2	12/12/2012	Sodium Adsorption Ratio (SAR)	unitless	9.0	Energy Laboratories	C12120446-001	1/2/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-2	1/30/2013	A/C Balance (± 5)	%	3.42	Energy Laboratories	C13010911-001	2/4/2013	A1030 E
Jane Dough	URZJA-2	1/30/2013	Anions	meq/L	5.63	Energy Laboratories	C13010911-001	2/4/2013	A1030 E
Jane Dough	URZJA-2	1/30/2013	Cations	meq/L	6.03	Energy Laboratories	C13010911-001	2/4/2013	A1030 E
Jane Dough	URZJA-2	1/30/2013	Solids, Total Dissolved Calculated	mg/L	370	Energy Laboratories	C13010911-001	2/4/2013	A1030 E
Jane Dough	URZJA-2	1/30/2013	TDS Balance (0.80 - 1.20)		0.980	Energy Laboratories	C13010911-001	2/4/2013	A1030 E
Jane Dough	URZJA-2	1/30/2013	Alkalinity, Total as CaCO3	mg/L	135	Energy Laboratories	C13010911-001	1/31/2013	A2320 B
Jane Dough	URZJA-2	1/30/2013	Bicarbonate as HCO3	mg/L	159	Energy Laboratories	C13010911-001	1/31/2013	A2320 B
Jane Dough	URZJA-2	1/30/2013	Carbonate as CO3	mg/L	ND	Energy Laboratories	C13010911-001	1/31/2013	A2320 B
Jane Dough	URZJA-2	1/30/2013	Conductivity @ 25 C	umhos/cm	565	Energy Laboratories	C13010911-001	1/31/2013	A2510 B
Jane Dough	URZJA-2	1/30/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	363	Energy Laboratories	C13010911-001	1/31/2013	A2540 C
Jane Dough	URZJA-2	1/30/2013	Fluoride	mg/L	0.2	Energy Laboratories	C13010911-001	2/1/2013	A4500-F C
Jane Dough	URZJA-2	1/30/2013	pH	s.u.	8.59	Energy Laboratories	C13010911-001	1/31/2013	A4500-H B
Jane Dough	URZJA-2	1/30/2013	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C13010911-001	2/1/2013	A4500-NH3 G
Jane Dough	URZJA-2	1/30/2013	Aluminum	mg/L	ND	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Barium	mg/L	ND	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Boron	mg/L	ND	Energy Laboratories	C13010911-001	2/11/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Cadmium	mg/L	ND	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Calcium	mg/L	14	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Calcium, SAR	meq/L	0.68	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Chromium	mg/L	ND	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Copper	mg/L	ND	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Iron	mg/L	ND	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Iron	mg/L	ND	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Magnesium	mg/L	1	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Magnesium, SAR	meq/L	0.09	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Manganese	mg/L	ND	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Manganese	mg/L	ND	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Molybdenum	mg/L	ND	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Nickel	mg/L	ND	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Potassium	mg/L	3	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Silica	mg/L	11.6	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Sodium	mg/L	119	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Sodium, SAR	meq/L	5.17	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Vanadium	mg/L	ND	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Zinc	mg/L	ND	Energy Laboratories	C13010911-001	2/1/2013	E200.7
Jane Dough	URZJA-2	1/30/2013	Arsenic	mg/L	ND	Energy Laboratories	C13010911-001	2/1/2013	E200.8
Jane Dough	URZJA-2	1/30/2013	Lead	mg/L	ND	Energy Laboratories	C13010911-001	2/1/2013	E200.8
Jane Dough	URZJA-2	1/30/2013	Mercury	mg/L	ND	Energy Laboratories	C13010911-001	2/1/2013	E200.8
Jane Dough	URZJA-2	1/30/2013	Selenium	mg/L	ND	Energy Laboratories	C13010911-001	2/1/2013	E200.8
Jane Dough	URZJA-2	1/30/2013	Uranium	mg/L	0.0241	Energy Laboratories	C13010911-001	2/1/2013	E200.8
Jane Dough	URZJA-2	1/30/2013	Chloride	mg/L	6	Energy Laboratories	C13010911-001	1/31/2013	E300.0
Jane Dough	URZJA-2	1/30/2013	Sulfate	mg/L	133	Energy Laboratories	C13010911-001	1/31/2013	E300.0
Jane Dough	URZJA-2	1/30/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C13010911-001	2/1/2013	E353.2
Jane Dough	URZJA-2	1/30/2013	Gross Alpha	pCi/L	505	Energy Laboratories	C13010911-001	2/5/2013	E900.0
Jane Dough	URZJA-2	1/30/2013	Gross Alpha MDC	pCi/L	1.9	Energy Laboratories	C13010911-001	2/5/2013	E900.0
Jane Dough	URZJA-2	1/30/2013	Gross Alpha precision (±)	pCi/L	7.6	Energy Laboratories	C13010911-001	2/5/2013	E900.0
Jane Dough	URZJA-2	1/30/2013	Gross Beta	pCi/L	175	Energy Laboratories	C13010911-001	2/5/2013	E900.0
Jane Dough	URZJA-2	1/30/2013	Gross Beta MDC	pCi/L	2.7	Energy Laboratories	C13010911-001	2/5/2013	E900.0
Jane Dough	URZJA-2	1/30/2013	Gross Beta precision (±)	pCi/L	3.9	Energy Laboratories	C13010911-001	2/5/2013	E900.0
Jane Dough	URZJA-2	1/30/2013	Radium 226	pCi/L	243	Energy Laboratories	C13010911-001	2/11/2013	E903.0
Jane Dough	URZJA-2	1/30/2013	Radium 226 MDC	pCi/L	0.19	Energy Laboratories	C13010911-001	2/11/2013	E903.0
Jane Dough	URZJA-2	1/30/2013	Radium 226 precision (±)	pCi/L	3.2	Energy Laboratories	C13010911-001	2/11/2013	E903.0
Jane Dough	URZJA-2	1/30/2013	Radium 228	pCi/L	4.7	Energy Laboratories	C13010911-001	2/5/2013	RA-05
Jane Dough	URZJA-2	1/30/2013	Radium 228 MDC	pCi/L	1.8	Energy Laboratories	C13010911-001	2/5/2013	RA-05
Jane Dough	URZJA-2	1/30/2013	Radium 228 precision (±)	pCi/L	1.3	Energy Laboratories	C13010911-001	2/5/2013	RA-05
Jane Dough	URZJA-2	1/30/2013	Sodium Adsorption Ratio (SAR)	unitless	8.3	Energy Laboratories	C13010911-001	2/1/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-7	9/1/2011	A/C Balance (± 5)	%	0.0170	Energy Laboratories	C11090068-001A	10/3/2011	Calculation
Jane Dough	URZJA-7	9/1/2011	Anions	meq/L	5.62	Energy Laboratories	C11090068-001A	10/3/2011	Calculation
Jane Dough	URZJA-7	9/1/2011	Bicarbonate as HCO3	mg/L	133	Energy Laboratories	C11090068-001A	9/7/2011	A2320 B
Jane Dough	URZJA-7	9/1/2011	Carbonate as CO3	mg/L	10	Energy Laboratories	C11090068-001A	9/7/2011	A2320 B
Jane Dough	URZJA-7	9/1/2011	Cations	meq/L	5.62	Energy Laboratories	C11090068-001A	10/3/2011	Calculation
Jane Dough	URZJA-7	9/1/2011	Chloride	mg/L	6	Energy Laboratories	C11090068-001A	9/4/2011	E300.0
Jane Dough	URZJA-7	9/1/2011	Conductivity @ 25 C	umhos/cm	586	Energy Laboratories	C11090068-001A	9/2/2011	A2510 B
Jane Dough	URZJA-7	9/1/2011	Fluoride	mg/L	0.2	Energy Laboratories	C11090068-001A	9/8/2011	A4500-F C
Jane Dough	URZJA-7	9/1/2011	pH	s.u.	9.20	Energy Laboratories	C11090068-001A	9/2/2011	A4500-H B
Jane Dough	URZJA-7	9/1/2011	Solids, Total Dissolved Calculated	mg/L	366	Energy Laboratories	C11090068-001A	10/3/2011	Calculation
Jane Dough	URZJA-7	9/1/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	331	Energy Laboratories	C11090068-001A	9/2/2011	A2540 C
Jane Dough	URZJA-7	9/1/2011	Sulfate	mg/L	141	Energy Laboratories	C11090068-001A	9/4/2011	E300.0
Jane Dough	URZJA-7	9/1/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Arsenic	mg/L	0.003	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Barium	mg/L	<0.1	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Boron	mg/L	<0.1	Energy Laboratories	C11090068-001A	9/26/2011	E200.7
Jane Dough	URZJA-7	9/1/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Calcium	mg/L	12	Energy Laboratories	C11090068-001A	9/26/2011	E200.7
Jane Dough	URZJA-7	9/1/2011	Calcium, SAR	meq/L	0.62	Energy Laboratories	C11090068-001A	9/26/2011	E200.7
Jane Dough	URZJA-7	9/1/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Copper	mg/L	<0.01	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Iron	mg/L	<0.03	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Lead	mg/L	<0.001	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Magnesium	mg/L	1	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Magnesium, SAR	meq/L	0.09	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Potassium	mg/L	9	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Silica	mg/L	10.3	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Sodium	mg/L	108	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Sodium Adsorption Ratio (SAR)	unitless	7.9	Energy Laboratories	C11090068-001A	9/26/2011	Calculation
Jane Dough	URZJA-7	9/1/2011	Sodium, SAR	meq/L	4.69	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Uranium	mg/L	0.0472	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Zinc	mg/L	<0.01	Energy Laboratories	C11090068-001A	9/8/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Iron	mg/L	<0.03	Energy Laboratories	C11090068-001A	9/7/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11090068-001A	9/7/2011	E200.8
Jane Dough	URZJA-7	9/1/2011	Gross Alpha	pCi/L	60.8	Energy Laboratories	C11090068-001A	9/24/2011	E900.0
Jane Dough	URZJA-7	9/1/2011	Gross Alpha MDC	pCi/L	3.1	Energy Laboratories	C11090068-001A	9/24/2011	E900.0
Jane Dough	URZJA-7	9/1/2011	Gross Alpha precision (±)	pCi/L	4.2	Energy Laboratories	C11090068-001A	9/24/2011	E900.0
Jane Dough	URZJA-7	9/1/2011	Gross Beta	pCi/L	21.0	Energy Laboratories	C11090068-001A	9/24/2011	E900.0
Jane Dough	URZJA-7	9/1/2011	Gross Beta MDC	pCi/L	2.5	Energy Laboratories	C11090068-001A	9/24/2011	E900.0
Jane Dough	URZJA-7	9/1/2011	Gross Beta precision (±)	pCi/L	1.8	Energy Laboratories	C11090068-001A	9/24/2011	E900.0
Jane Dough	URZJA-7	9/1/2011	Radium 226	pCi/L	0.10	Energy Laboratories	C11090068-001A	9/27/2011	E903.0
Jane Dough	URZJA-7	9/1/2011	Radium 226 MDC	pCi/L	0.23	Energy Laboratories	C11090068-001A	9/27/2011	E903.0
Jane Dough	URZJA-7	9/1/2011	Radium 226 precision (±)	pCi/L	0.15	Energy Laboratories	C11090068-001A	9/27/2011	E903.0
Jane Dough	URZJA-7	9/1/2011	Radium 228	pCi/L	0.4	Energy Laboratories	C11090068-001A	9/22/2011	RA-05
Jane Dough	URZJA-7	9/1/2011	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C11090068-001A	9/22/2011	RA-05
Jane Dough	URZJA-7	9/1/2011	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C11090068-001A	9/22/2011	RA-05
Jane Dough	URZJA-7	9/1/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11090068-001A	9/2/2011	A4500-NH3 G
Jane Dough	URZJA-7	9/1/2011	Nitrogen, Ammonium	mg/L	<0.06439225	Energy Laboratories	C11090068-001A	9/2/2011	A4500-NH3 G
Jane Dough	URZJA-7	9/1/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11090068-001A	9/7/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-7	11/7/2011	A/C Balance (± 5)	%	0.592	Energy Laboratories	C11110273-002A	11/16/2011	Calculation
Jane Dough	URZJA-7	11/7/2011	Anions	meq/L	5.23	Energy Laboratories	C11110273-002A	11/16/2011	Calculation
Jane Dough	URZJA-7	11/7/2011	Bicarbonate as HCO3	mg/L	106	Energy Laboratories	C11110273-002A	11/8/2011	A2320 B
Jane Dough	URZJA-7	11/7/2011	Carbonate as CO3	mg/L	14	Energy Laboratories	C11110273-002A	11/8/2011	A2320 B
Jane Dough	URZJA-7	11/7/2011	Cations	meq/L	5.29	Energy Laboratories	C11110273-002A	11/16/2011	Calculation
Jane Dough	URZJA-7	11/7/2011	Chloride	mg/L	6	Energy Laboratories	C11110273-002A	11/12/2011	E300.0
Jane Dough	URZJA-7	11/7/2011	Conductivity @ 25 C	umhos/cm	559	Energy Laboratories	C11110273-002A	11/8/2011	A2510 B
Jane Dough	URZJA-7	11/7/2011	Fluoride	mg/L	0.2	Energy Laboratories	C11110273-002A	11/15/2011	E300.0
Jane Dough	URZJA-7	11/7/2011	pH	s.u.	9.02	Energy Laboratories	C11110273-002A	11/8/2011	A4500-H B
Jane Dough	URZJA-7	11/7/2011	Solids, Total Dissolved Calculated	mg/L	345	Energy Laboratories	C11110273-002A	11/16/2011	Calculation
Jane Dough	URZJA-7	11/7/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	350	Energy Laboratories	C11110273-002A	11/8/2011	A2540 C
Jane Dough	URZJA-7	11/7/2011	Sulfate	mg/L	137	Energy Laboratories	C11110273-002A	11/12/2011	E300.0
Jane Dough	URZJA-7	11/7/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Arsenic	mg/L	0.004	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Barium	mg/L	<0.1	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Boron	mg/L	<0.1	Energy Laboratories	C11110273-002A	11/10/2011	E200.7
Jane Dough	URZJA-7	11/7/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Calcium	mg/L	8	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Calcium, SAR	meq/L	0.39	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Copper	mg/L	<0.01	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Iron	mg/L	<0.03	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Lead	mg/L	<0.001	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Magnesium	mg/L	<1	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Magnesium, SAR	meq/L	<0.0833333	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Potassium	mg/L	8	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Silica	mg/L	10.3	Energy Laboratories	C11110273-002A	11/10/2011	E200.7
Jane Dough	URZJA-7	11/7/2011	Sodium	mg/L	106	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Sodium Adsorption Ratio (SAR)	unitless	9.8	Energy Laboratories	C11110273-002A	11/10/2011	Calculation
Jane Dough	URZJA-7	11/7/2011	Sodium, SAR	meq/L	4.63	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Uranium	mg/L	0.0335	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Zinc	mg/L	<0.01	Energy Laboratories	C11110273-002A	11/10/2011	E200.8
Jane Dough	URZJA-7	11/7/2011	Iron	mg/L	<0.03	Energy Laboratories	C11110273-002A	11/11/2011	E200.7
Jane Dough	URZJA-7	11/7/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11110273-002A	11/11/2011	E200.7
Jane Dough	URZJA-7	11/7/2011	Gross Alpha	pCi/L	62.6	Energy Laboratories	C11110273-002A	12/6/2011	E900.0
Jane Dough	URZJA-7	11/7/2011	Gross Alpha MDC	pCi/L	3.5	Energy Laboratories	C11110273-002A	12/6/2011	E900.0
Jane Dough	URZJA-7	11/7/2011	Gross Alpha precision (±)	pCi/L	4.6	Energy Laboratories	C11110273-002A	12/6/2011	E900.0
Jane Dough	URZJA-7	11/7/2011	Gross Beta	pCi/L	20.4	Energy Laboratories	C11110273-002A	12/6/2011	E900.0
Jane Dough	URZJA-7	11/7/2011	Gross Beta MDC	pCi/L	2.8	Energy Laboratories	C11110273-002A	12/6/2011	E900.0
Jane Dough	URZJA-7	11/7/2011	Gross Beta precision (±)	pCi/L	2.0	Energy Laboratories	C11110273-002A	12/6/2011	E900.0
Jane Dough	URZJA-7	11/7/2011	Radium 226	pCi/L	0.15	Energy Laboratories	C11110273-002A	12/12/2011	E903.0
Jane Dough	URZJA-7	11/7/2011	Radium 226 MDC	pCi/L	0.15	Energy Laboratories	C11110273-002A	12/12/2011	E903.0
Jane Dough	URZJA-7	11/7/2011	Radium 226 precision (±)	pCi/L	0.11	Energy Laboratories	C11110273-002A	12/12/2011	E903.0
Jane Dough	URZJA-7	11/7/2011	Radium 228	pCi/L	-0.003	Energy Laboratories	C11110273-002A	12/5/2011	RA-05
Jane Dough	URZJA-7	11/7/2011	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C11110273-002A	12/5/2011	RA-05
Jane Dough	URZJA-7	11/7/2011	Radium 228 precision (±)	pCi/L	0.6	Energy Laboratories	C11110273-002A	12/5/2011	RA-05
Jane Dough	URZJA-7	11/7/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11110273-002A	11/8/2011	A4500-NH3 G
Jane Dough	URZJA-7	11/7/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11110273-002A	11/9/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-7	2/1/2012	Bicarbonate as HCO3	mg/L	147	Energy Laboratories	C12020096-002	2/2/2012	A2320 B
Jane Dough	URZJA-7	2/1/2012	Carbonate as CO3	mg/L	7	Energy Laboratories	C12020096-002	2/2/2012	A2320 B
Jane Dough	URZJA-7	2/1/2012	Conductivity @ 25 C	umhos/cm	589	Energy Laboratories	C12020096-002	2/2/2012	A2510 B
Jane Dough	URZJA-7	2/1/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	333	Energy Laboratories	C12020096-002	2/3/2012	A2540 C
Jane Dough	URZJA-7	2/1/2012	pH	s.u.	8.71	Energy Laboratories	C12020096-002	2/2/2012	A4500-H B
Jane Dough	URZJA-7	2/1/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12020096-002	2/7/2012	A4500-NH3 G
Jane Dough	URZJA-7	2/1/2012	A/C Balance (± 5)	%	-2.52	Energy Laboratories	C12020096-002	3/1/2012	Calculation
Jane Dough	URZJA-7	2/1/2012	Anions	meq/L	5.68	Energy Laboratories	C12020096-002	3/1/2012	Calculation
Jane Dough	URZJA-7	2/1/2012	Cations	meq/L	5.40	Energy Laboratories	C12020096-002	3/1/2012	Calculation
Jane Dough	URZJA-7	2/1/2012	Sodium Adsorption Ratio (SAR)	unitless	7.6	Energy Laboratories	C12020096-002	2/21/2012	Calculation
Jane Dough	URZJA-7	2/1/2012	Solids, Total Dissolved Calculated	mg/L	359	Energy Laboratories	C12020096-002	3/1/2012	Calculation
Jane Dough	URZJA-7	2/1/2012	Aluminum	mg/L	ND	Energy Laboratories	C12020096-002	2/21/2012	E200.7
Jane Dough	URZJA-7	2/1/2012	Calcium	mg/L	12	Energy Laboratories	C12020096-002	2/21/2012	E200.7
Jane Dough	URZJA-7	2/1/2012	Calcium, SAR	meq/L	0.61	Energy Laboratories	C12020096-002	2/21/2012	E200.7
Jane Dough	URZJA-7	2/1/2012	Silica	mg/L	11.8	Energy Laboratories	C12020096-002	2/21/2012	E200.7
Jane Dough	URZJA-7	2/1/2012	Arsenic	mg/L	0.002	Energy Laboratories	C12020096-002	2/3/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Barium	mg/L	ND	Energy Laboratories	C12020096-002	2/3/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Boron	mg/L	ND	Energy Laboratories	C12020096-002	2/8/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Cadmium	mg/L	ND	Energy Laboratories	C12020096-002	2/3/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Chromium	mg/L	ND	Energy Laboratories	C12020096-002	2/3/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Copper	mg/L	ND	Energy Laboratories	C12020096-002	2/3/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Iron	mg/L	ND	Energy Laboratories	C12020096-002	2/8/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Iron	mg/L	ND	Energy Laboratories	C12020096-002	2/3/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Lead	mg/L	ND	Energy Laboratories	C12020096-002	2/3/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Magnesium	mg/L	1	Energy Laboratories	C12020096-002	2/8/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Magnesium, SAR	meq/L	0.10	Energy Laboratories	C12020096-002	2/8/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Manganese	mg/L	ND	Energy Laboratories	C12020096-002	2/3/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Manganese	mg/L	ND	Energy Laboratories	C12020096-002	2/6/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Mercury	mg/L	ND	Energy Laboratories	C12020096-002	2/3/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12020096-002	2/3/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Nickel	mg/L	ND	Energy Laboratories	C12020096-002	2/3/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Potassium	mg/L	6	Energy Laboratories	C12020096-002	2/8/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Selenium	mg/L	ND	Energy Laboratories	C12020096-002	2/6/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Sodium	mg/L	104	Energy Laboratories	C12020096-002	2/8/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Sodium, SAR	meq/L	4.53	Energy Laboratories	C12020096-002	2/8/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Uranium	mg/L	0.0411	Energy Laboratories	C12020096-002	2/3/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Vanadium	mg/L	ND	Energy Laboratories	C12020096-002	2/3/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Zinc	mg/L	ND	Energy Laboratories	C12020096-002	2/3/2012	E200.8
Jane Dough	URZJA-7	2/1/2012	Chloride	mg/L	6	Energy Laboratories	C12020096-002	2/9/2012	E300.0
Jane Dough	URZJA-7	2/1/2012	Fluoride	mg/L	0.3	Energy Laboratories	C12020096-002	2/9/2012	E300.0
Jane Dough	URZJA-7	2/1/2012	Sulfate	mg/L	137	Energy Laboratories	C12020096-002	2/9/2012	E300.0
Jane Dough	URZJA-7	2/1/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12020096-002	2/8/2012	E353.2
Jane Dough	URZJA-7	2/1/2012	Gross Alpha	pCi/L	64.9	Energy Laboratories	C12020096-002	2/24/2012	E900.0
Jane Dough	URZJA-7	2/1/2012	Gross Alpha MDC	pCi/L	2.6	Energy Laboratories	C12020096-002	2/24/2012	E900.0
Jane Dough	URZJA-7	2/1/2012	Gross Alpha precision (±)	pCi/L	4.1	Energy Laboratories	C12020096-002	2/24/2012	E900.0
Jane Dough	URZJA-7	2/1/2012	Gross Beta	pCi/L	19.3	Energy Laboratories	C12020096-002	2/24/2012	E900.0
Jane Dough	URZJA-7	2/1/2012	Gross Beta MDC	pCi/L	2.7	Energy Laboratories	C12020096-002	2/24/2012	E900.0
Jane Dough	URZJA-7	2/1/2012	Gross Beta precision (±)	pCi/L	1.9	Energy Laboratories	C12020096-002	2/24/2012	E900.0
Jane Dough	URZJA-7	2/1/2012	Radium 226	pCi/L	0.22	Energy Laboratories	C12020096-002	2/28/2012	E903.0
Jane Dough	URZJA-7	2/1/2012	Radium 226 MDC	pCi/L	0.15	Energy Laboratories	C12020096-002	2/28/2012	E903.0
Jane Dough	URZJA-7	2/1/2012	Radium 226 precision (±)	pCi/L	0.12	Energy Laboratories	C12020096-002	2/28/2012	E903.0
Jane Dough	URZJA-7	2/1/2012	Radium 228	pCi/L	0.9	Energy Laboratories	C12020096-002	2/22/2012	RA-05
Jane Dough	URZJA-7	2/1/2012	Radium 228 MDC	pCi/L	1	Energy Laboratories	C12020096-002	2/22/2012	RA-05
Jane Dough	URZJA-7	2/1/2012	Radium 228 precision (±)	pCi/L	0.6	Energy Laboratories	C12020096-002	2/22/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-7	12/6/2012	A/C Balance (± 5)	%	1.23	Energy Laboratories	C12120220-001	12/12/2012	A1030 E
Jane Dough	URZJA-7	12/6/2012	Anions	meq/L	5.68	Energy Laboratories	C12120220-001	12/12/2012	A1030 E
Jane Dough	URZJA-7	12/6/2012	Cations	meq/L	5.82	Energy Laboratories	C12120220-001	12/12/2012	A1030 E
Jane Dough	URZJA-7	12/6/2012	Solids, Total Dissolved Calculated	mg/L	370	Energy Laboratories	C12120220-001	12/12/2012	A1030 E
Jane Dough	URZJA-7	12/6/2012	TDS Balance (0.80 - 1.20)		1.02	Energy Laboratories	C12120220-001	12/12/2012	A1030 E
Jane Dough	URZJA-7	12/6/2012	Alkalinity, Total as CaCO3	mg/L	136	Energy Laboratories	C12120220-001	12/10/2012	A2320 B
Jane Dough	URZJA-7	12/6/2012	Bicarbonate as HCO3	mg/L	166	Energy Laboratories	C12120220-001	12/10/2012	A2320 B
Jane Dough	URZJA-7	12/6/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12120220-001	12/10/2012	A2320 B
Jane Dough	URZJA-7	12/6/2012	Conductivity @ 25 C	umhos/cm	569	Energy Laboratories	C12120220-001	12/7/2012	A2510 B
Jane Dough	URZJA-7	12/6/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	375	Energy Laboratories	C12120220-001	12/7/2012	A2540 C
Jane Dough	URZJA-7	12/6/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12120220-001	12/10/2012	A4500-F C
Jane Dough	URZJA-7	12/6/2012	pH	s.u.	8.40	Energy Laboratories	C12120220-001	12/7/2012	A4500-H B
Jane Dough	URZJA-7	12/6/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12120220-001	12/7/2012	A4500-NH3 G
Jane Dough	URZJA-7	12/6/2012	Aluminum	mg/L	ND	Energy Laboratories	C12120220-001	12/10/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Barium	mg/L	ND	Energy Laboratories	C12120220-001	12/10/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Boron	mg/L	ND	Energy Laboratories	C12120220-001	12/10/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Cadmium	mg/L	ND	Energy Laboratories	C12120220-001	12/10/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Calcium	mg/L	17	Energy Laboratories	C12120220-001	12/10/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Calcium, SAR	meq/L	0.86	Energy Laboratories	C12120220-001	12/10/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Chromium	mg/L	ND	Energy Laboratories	C12120220-001	12/10/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Copper	mg/L	ND	Energy Laboratories	C12120220-001	12/10/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Iron	mg/L	ND	Energy Laboratories	C12120220-001	12/10/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Iron	mg/L	ND	Energy Laboratories	C12120220-001	12/11/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Magnesium	mg/L	2	Energy Laboratories	C12120220-001	12/10/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Magnesium, SAR	meq/L	0.13	Energy Laboratories	C12120220-001	12/10/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Manganese	mg/L	0.01	Energy Laboratories	C12120220-001	12/10/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Manganese	mg/L	0.01	Energy Laboratories	C12120220-001	12/11/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12120220-001	12/10/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Nickel	mg/L	ND	Energy Laboratories	C12120220-001	12/10/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Potassium	mg/L	3	Energy Laboratories	C12120220-001	12/10/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Silica	mg/L	10.7	Energy Laboratories	C12120220-001	12/10/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Sodium	mg/L	109	Energy Laboratories	C12120220-001	12/10/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Sodium, SAR	meq/L	4.75	Energy Laboratories	C12120220-001	12/10/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Vanadium	mg/L	ND	Energy Laboratories	C12120220-001	12/10/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Zinc	mg/L	0.01	Energy Laboratories	C12120220-001	12/10/2012	E200.7
Jane Dough	URZJA-7	12/6/2012	Arsenic	mg/L	0.002	Energy Laboratories	C12120220-001	12/15/2012	E200.8
Jane Dough	URZJA-7	12/6/2012	Lead	mg/L	ND	Energy Laboratories	C12120220-001	12/15/2012	E200.8
Jane Dough	URZJA-7	12/6/2012	Mercury	mg/L	ND	Energy Laboratories	C12120220-001	12/31/2012	E200.8
Jane Dough	URZJA-7	12/6/2012	Selenium	mg/L	ND	Energy Laboratories	C12120220-001	12/15/2012	E200.8
Jane Dough	URZJA-7	12/6/2012	Uranium	mg/L	0.0496	Energy Laboratories	C12120220-001	12/15/2012	E200.8
Jane Dough	URZJA-7	12/6/2012	Chloride	mg/L	6	Energy Laboratories	C12120220-001	12/10/2012	E300.0
Jane Dough	URZJA-7	12/6/2012	Sulfate	mg/L	134	Energy Laboratories	C12120220-001	12/10/2012	E300.0
Jane Dough	URZJA-7	12/6/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12120220-001	12/12/2012	E353.2
Jane Dough	URZJA-7	12/6/2012	Gross Alpha	pCi/L	55.8	Energy Laboratories	C12120220-001	12/30/2012	E900.0
Jane Dough	URZJA-7	12/6/2012	Gross Alpha MDC	pCi/L	1.7	Energy Laboratories	C12120220-001	12/30/2012	E900.0
Jane Dough	URZJA-7	12/6/2012	Gross Alpha precision (±)	pCi/L	2.7	Energy Laboratories	C12120220-001	12/30/2012	E900.0
Jane Dough	URZJA-7	12/6/2012	Gross Beta	pCi/L	13.7	Energy Laboratories	C12120220-001	12/30/2012	E900.0
Jane Dough	URZJA-7	12/6/2012	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C12120220-001	12/30/2012	E900.0
Jane Dough	URZJA-7	12/6/2012	Gross Beta precision (±)	pCi/L	1.9	Energy Laboratories	C12120220-001	12/30/2012	E900.0
Jane Dough	URZJA-7	12/6/2012	Radium 226	pCi/L	0.12	Energy Laboratories	C12120220-001	12/26/2012	E903.0
Jane Dough	URZJA-7	12/6/2012	Radium 226 MDC	pCi/L	0.24	Energy Laboratories	C12120220-001	12/26/2012	E903.0
Jane Dough	URZJA-7	12/6/2012	Radium 226 precision (±)	pCi/L	0.15	Energy Laboratories	C12120220-001	12/26/2012	E903.0
Jane Dough	URZJA-7	12/6/2012	Radium 228	pCi/L	-0.03	Energy Laboratories	C12120220-001	12/19/2012	RA-05
Jane Dough	URZJA-7	12/6/2012	Radium 228 MDC	pCi/L	1.5	Energy Laboratories	C12120220-001	12/19/2012	RA-05
Jane Dough	URZJA-7	12/6/2012	Radium 228 precision (±)	pCi/L	0.9	Energy Laboratories	C12120220-001	12/19/2012	RA-05
Jane Dough	URZJA-7	12/6/2012	Sodium Adsorption Ratio (SAR)	unitless	6.8	Energy Laboratories	C12120220-001	12/10/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-8	9/12/2011	Bicarbonate as HCO3	mg/L	125	Energy Laboratories	C11090392-001	9/13/2011	A2320 B
Jane Dough	URZJA-8	9/12/2011	Carbonate as CO3	mg/L	17	Energy Laboratories	C11090392-001	9/13/2011	A2320 B
Jane Dough	URZJA-8	9/12/2011	Conductivity @ 25 C	umhos/cm	535	Energy Laboratories	C11090392-001	9/13/2011	A2510 B
Jane Dough	URZJA-8	9/12/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	356	Energy Laboratories	C11090392-001	9/14/2011	A2540 C
Jane Dough	URZJA-8	9/12/2011	pH	s.u.	9.30	Energy Laboratories	C11090392-001	9/13/2011	A4500-H B
Jane Dough	URZJA-8	9/12/2011	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C11090392-001	9/13/2011	A4500-NH3 G
Jane Dough	URZJA-8	9/12/2011	A/C Balance (± 5)	%	-1.46	Energy Laboratories	C11090392-001	9/20/2011	Calculation
Jane Dough	URZJA-8	9/12/2011	Anions	meq/L	5.19	Energy Laboratories	C11090392-001	9/20/2011	Calculation
Jane Dough	URZJA-8	9/12/2011	Cations	meq/L	5.04	Energy Laboratories	C11090392-001	9/20/2011	Calculation
Jane Dough	URZJA-8	9/12/2011	Sodium Adsorption Ratio (SAR)	unitless	7.7	Energy Laboratories	C11090392-001	9/13/2011	Calculation
Jane Dough	URZJA-8	9/12/2011	Solids, Total Dissolved Calculated	mg/L	315	Energy Laboratories	C11090392-001	9/20/2011	Calculation
Jane Dough	URZJA-8	9/12/2011	Boron	mg/L	ND	Energy Laboratories	C11090392-001	9/23/2011	E200.7
Jane Dough	URZJA-8	9/12/2011	Iron	mg/L	ND	Energy Laboratories	C11090392-001	9/23/2011	E200.7
Jane Dough	URZJA-8	9/12/2011	Silica	mg/L	11.5	Energy Laboratories	C11090392-001	9/23/2011	E200.7
Jane Dough	URZJA-8	9/12/2011	Aluminum	mg/L	ND	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Arsenic	mg/L	0.002	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Barium	mg/L	ND	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Cadmium	mg/L	ND	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Calcium	mg/L	11	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Calcium, SAR	meq/L	0.54	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Chromium	mg/L	ND	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Copper	mg/L	ND	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Iron	mg/L	ND	Energy Laboratories	C11090392-001	9/17/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Lead	mg/L	ND	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Magnesium	mg/L	ND	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Magnesium, SAR	meq/L	ND	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Manganese	mg/L	ND	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Manganese	mg/L	ND	Energy Laboratories	C11090392-001	9/14/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Mercury	mg/L	ND	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Molybdenum	mg/L	ND	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Nickel	mg/L	ND	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Potassium	mg/L	6	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Selenium	mg/L	ND	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Sodium	mg/L	98	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Sodium, SAR	meq/L	4.26	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Uranium	mg/L	0.0292	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Vanadium	mg/L	ND	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Zinc	mg/L	ND	Energy Laboratories	C11090392-001	9/13/2011	E200.8
Jane Dough	URZJA-8	9/12/2011	Chloride	mg/L	6	Energy Laboratories	C11090392-001	9/16/2011	E300.0
Jane Dough	URZJA-8	9/12/2011	Fluoride	mg/L	0.2	Energy Laboratories	C11090392-001	9/16/2011	E300.0
Jane Dough	URZJA-8	9/12/2011	Sulfate	mg/L	114	Energy Laboratories	C11090392-001	9/15/2011	E300.0
Jane Dough	URZJA-8	9/12/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C11090392-001	9/19/2011	E353.2
Jane Dough	URZJA-8	9/12/2011	Gross Alpha	pCi/L	58.5	Energy Laboratories	C11090392-001	10/4/2011	E900.0
Jane Dough	URZJA-8	9/12/2011	Gross Alpha MDC	pCi/L	1.1	Energy Laboratories	C11090392-001	10/4/2011	E900.0
Jane Dough	URZJA-8	9/12/2011	Gross Alpha precision (±)	pCi/L	2.9	Energy Laboratories	C11090392-001	10/4/2011	E900.0
Jane Dough	URZJA-8	9/12/2011	Gross Beta	pCi/L	30.7	Energy Laboratories	C11090392-001	10/4/2011	E900.0
Jane Dough	URZJA-8	9/12/2011	Gross Beta MDC	pCi/L	2.4	Energy Laboratories	C11090392-001	10/4/2011	E900.0
Jane Dough	URZJA-8	9/12/2011	Gross Beta precision (±)	pCi/L	1.9	Energy Laboratories	C11090392-001	10/4/2011	E900.0
Jane Dough	URZJA-8	9/12/2011	Radium 226	pCi/L	5.9	Energy Laboratories	C11090392-001	10/3/2011	E903.0
Jane Dough	URZJA-8	9/12/2011	Radium 226 MDC	pCi/L	0.12	Energy Laboratories	C11090392-001	10/3/2011	E903.0
Jane Dough	URZJA-8	9/12/2011	Radium 226 precision (±)	pCi/L	0.47	Energy Laboratories	C11090392-001	10/3/2011	E903.0
Jane Dough	URZJA-8	9/12/2011	Radium 228	pCi/L	1.2	Energy Laboratories	C11090392-001	9/27/2011	RA-05
Jane Dough	URZJA-8	9/12/2011	Radium 228 MDC	pCi/L	1.0	Energy Laboratories	C11090392-001	9/27/2011	RA-05
Jane Dough	URZJA-8	9/12/2011	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C11090392-001	9/27/2011	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-8	11/7/2011	A/C Balance (± 5)	%	-0.172	Energy Laboratories	C11110273-001A	11/16/2011	Calculation
Jane Dough	URZJA-8	11/7/2011	Anions	meq/L	5.18	Energy Laboratories	C11110273-001A	11/16/2011	Calculation
Jane Dough	URZJA-8	11/7/2011	Bicarbonate as HCO3	mg/L	114	Energy Laboratories	C11110273-001A	11/8/2011	A2320 B
Jane Dough	URZJA-8	11/7/2011	Carbonate as CO3	mg/L	23	Energy Laboratories	C11110273-001A	11/8/2011	A2320 B
Jane Dough	URZJA-8	11/7/2011	Cations	meq/L	5.16	Energy Laboratories	C11110273-001A	11/16/2011	Calculation
Jane Dough	URZJA-8	11/7/2011	Chloride	mg/L	6	Energy Laboratories	C11110273-001A	11/12/2011	E300.0
Jane Dough	URZJA-8	11/7/2011	Conductivity @ 25 C	umhos/cm	545	Energy Laboratories	C11110273-001A	11/8/2011	A2510 B
Jane Dough	URZJA-8	11/7/2011	Fluoride	mg/L	0.2	Energy Laboratories	C11110273-001A	11/15/2011	E300.0
Jane Dough	URZJA-8	11/7/2011	pH	s.u.	9.37	Energy Laboratories	C11110273-001A	11/8/2011	A4500-H B
Jane Dough	URZJA-8	11/7/2011	Solids, Total Dissolved Calculated	mg/L	334	Energy Laboratories	C11110273-001A	11/16/2011	Calculation
Jane Dough	URZJA-8	11/7/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	340	Energy Laboratories	C11110273-001A	11/8/2011	A2540 C
Jane Dough	URZJA-8	11/7/2011	Sulfate	mg/L	115	Energy Laboratories	C11110273-001A	11/12/2011	E300.0
Jane Dough	URZJA-8	11/7/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Arsenic	mg/L	0.002	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Barium	mg/L	<0.1	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Boron	mg/L	<0.1	Energy Laboratories	C11110273-001A	11/10/2011	E200.7
Jane Dough	URZJA-8	11/7/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Calcium	mg/L	10	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Calcium, SAR	meq/L	0.50	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Copper	mg/L	<0.01	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Iron	mg/L	<0.03	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Lead	mg/L	<0.001	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Magnesium	mg/L	<1	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Magnesium, SAR	meq/L	<0.0833333	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Potassium	mg/L	8	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Silica	mg/L	11.4	Energy Laboratories	C11110273-001A	11/10/2011	E200.7
Jane Dough	URZJA-8	11/7/2011	Sodium	mg/L	101	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Sodium Adsorption Ratio (SAR)	unitless	8.2	Energy Laboratories	C11110273-001A	11/10/2011	Calculation
Jane Dough	URZJA-8	11/7/2011	Sodium, SAR	meq/L	4.39	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Uranium	mg/L	0.0299	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Zinc	mg/L	<0.01	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Iron	mg/L	<0.03	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11110273-001A	11/10/2011	E200.8
Jane Dough	URZJA-8	11/7/2011	Gross Alpha	pCi/L	95.7	Energy Laboratories	C11110273-001A	12/6/2011	E900.0
Jane Dough	URZJA-8	11/7/2011	Gross Alpha MDC	pCi/L	3.5	Energy Laboratories	C11110273-001A	12/6/2011	E900.0
Jane Dough	URZJA-8	11/7/2011	Gross Alpha precision (±)	pCi/L	5.5	Energy Laboratories	C11110273-001A	12/6/2011	E900.0
Jane Dough	URZJA-8	11/7/2011	Gross Beta	pCi/L	43.9	Energy Laboratories	C11110273-001A	12/6/2011	E900.0
Jane Dough	URZJA-8	11/7/2011	Gross Beta MDC	pCi/L	2.8	Energy Laboratories	C11110273-001A	12/6/2011	E900.0
Jane Dough	URZJA-8	11/7/2011	Gross Beta precision (±)	pCi/L	2.3	Energy Laboratories	C11110273-001A	12/6/2011	E900.0
Jane Dough	URZJA-8	11/7/2011	Radium 226	pCi/L	5.7	Energy Laboratories	C11110273-001A	12/12/2011	E903.0
Jane Dough	URZJA-8	11/7/2011	Radium 226 MDC	pCi/L	0.15	Energy Laboratories	C11110273-001A	12/12/2011	E903.0
Jane Dough	URZJA-8	11/7/2011	Radium 226 precision (±)	pCi/L	0.45	Energy Laboratories	C11110273-001A	12/12/2011	E903.0
Jane Dough	URZJA-8	11/7/2011	Radium 228	pCi/L	0.3	Energy Laboratories	C11110273-001A	12/5/2011	RA-05
Jane Dough	URZJA-8	11/7/2011	Radium 228 MDC	pCi/L	1.2	Energy Laboratories	C11110273-001A	12/5/2011	RA-05
Jane Dough	URZJA-8	11/7/2011	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C11110273-001A	12/5/2011	RA-05
Jane Dough	URZJA-8	11/7/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11110273-001A	11/8/2011	A4500-NH3 G
Jane Dough	URZJA-8	11/7/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11110273-001A	11/9/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-8	1/31/2012	Alkalinity, Total as CaCO3	mg/L	133	Energy Laboratories	C12020046-001	2/1/2012	A2320 B
Jane Dough	URZJA-8	1/31/2012	Bicarbonate as HCO3	mg/L	129	Energy Laboratories	C12020046-001	2/1/2012	A2320 B
Jane Dough	URZJA-8	1/31/2012	Carbonate as CO3	mg/L	17	Energy Laboratories	C12020046-001	2/1/2012	A2320 B
Jane Dough	URZJA-8	1/31/2012	Conductivity @ 25 C	umhos/cm	561	Energy Laboratories	C12020046-001	2/2/2012	A2510 B
Jane Dough	URZJA-8	1/31/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	308	Energy Laboratories	C12020046-001	2/3/2012	A2540 C
Jane Dough	URZJA-8	1/31/2012	pH	s.u.	9.02	Energy Laboratories	C12020046-001	2/2/2012	A4500-H B
Jane Dough	URZJA-8	1/31/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12020046-001	2/7/2012	A4500-NH3 G
Jane Dough	URZJA-8	1/31/2012	A/C Balance (± 5)	%	-3.33	Energy Laboratories	C12020046-001	2/22/2012	Calculation
Jane Dough	URZJA-8	1/31/2012	Anions	meq/L	5.25	Energy Laboratories	C12020046-001	2/22/2012	Calculation
Jane Dough	URZJA-8	1/31/2012	Cations	meq/L	4.91	Energy Laboratories	C12020046-001	2/22/2012	Calculation
Jane Dough	URZJA-8	1/31/2012	Sodium Adsorption Ratio (SAR)	unitless	7.3	Energy Laboratories	C12020046-001	2/17/2012	Calculation
Jane Dough	URZJA-8	1/31/2012	Solids, Total Dissolved Calculated	mg/L	327	Energy Laboratories	C12020046-001	2/22/2012	Calculation
Jane Dough	URZJA-8	1/31/2012	Aluminum	mg/L	0.04	Energy Laboratories	C12020046-001	2/17/2012	E200.7
Jane Dough	URZJA-8	1/31/2012	Calcium	mg/L	11	Energy Laboratories	C12020046-001	2/17/2012	E200.7
Jane Dough	URZJA-8	1/31/2012	Calcium, SAR	meq/L	0.56	Energy Laboratories	C12020046-001	2/17/2012	E200.7
Jane Dough	URZJA-8	1/31/2012	Silica	mg/L	12.4	Energy Laboratories	C12020046-001	2/17/2012	E200.7
Jane Dough	URZJA-8	1/31/2012	Arsenic	mg/L	0.002	Energy Laboratories	C12020046-001	2/2/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Barium	mg/L	ND	Energy Laboratories	C12020046-001	2/2/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Boron	mg/L	ND	Energy Laboratories	C12020046-001	2/8/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Cadmium	mg/L	ND	Energy Laboratories	C12020046-001	2/2/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Chromium	mg/L	ND	Energy Laboratories	C12020046-001	2/3/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Copper	mg/L	ND	Energy Laboratories	C12020046-001	2/3/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Iron	mg/L	ND	Energy Laboratories	C12020046-001	2/8/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Iron	mg/L	ND	Energy Laboratories	C12020046-001	2/3/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Lead	mg/L	ND	Energy Laboratories	C12020046-001	2/2/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Magnesium	mg/L	1	Energy Laboratories	C12020046-001	2/2/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Magnesium, SAR	meq/L	0.08	Energy Laboratories	C12020046-001	2/2/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Manganese	mg/L	0.008	Energy Laboratories	C12020046-001	2/3/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Manganese	mg/L	0.008	Energy Laboratories	C12020046-001	2/3/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Mercury	mg/L	ND	Energy Laboratories	C12020046-001	2/3/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Molybdenum	mg/L	0.002	Energy Laboratories	C12020046-001	2/3/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Nickel	mg/L	ND	Energy Laboratories	C12020046-001	2/3/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Potassium	mg/L	5	Energy Laboratories	C12020046-001	2/8/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Selenium	mg/L	ND	Energy Laboratories	C12020046-001	2/2/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Sodium	mg/L	95	Energy Laboratories	C12020046-001	2/2/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Sodium, SAR	meq/L	4.12	Energy Laboratories	C12020046-001	2/2/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Uranium	mg/L	0.0134	Energy Laboratories	C12020046-001	2/2/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Vanadium	mg/L	ND	Energy Laboratories	C12020046-001	2/3/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Zinc	mg/L	ND	Energy Laboratories	C12020046-001	2/2/2012	E200.8
Jane Dough	URZJA-8	1/31/2012	Chloride	mg/L	6	Energy Laboratories	C12020046-001	2/8/2012	E300.0
Jane Dough	URZJA-8	1/31/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12020046-001	2/9/2012	E300.0
Jane Dough	URZJA-8	1/31/2012	Sulfate	mg/L	116	Energy Laboratories	C12020046-001	2/8/2012	E300.0
Jane Dough	URZJA-8	1/31/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12020046-001	2/2/2012	E353.2
Jane Dough	URZJA-8	1/31/2012	Gross Alpha	pCi/L	56.3	Energy Laboratories	C12020046-001	2/18/2012	E900.0
Jane Dough	URZJA-8	1/31/2012	Gross Alpha MDC	pCi/L	3.7	Energy Laboratories	C12020046-001	2/18/2012	E900.0
Jane Dough	URZJA-8	1/31/2012	Gross Alpha precision (±)	pCi/L	4.7	Energy Laboratories	C12020046-001	2/18/2012	E900.0
Jane Dough	URZJA-8	1/31/2012	Gross Beta	pCi/L	32.4	Energy Laboratories	C12020046-001	2/18/2012	E900.0
Jane Dough	URZJA-8	1/31/2012	Gross Beta MDC	pCi/L	5.6	Energy Laboratories	C12020046-001	2/18/2012	E900.0
Jane Dough	URZJA-8	1/31/2012	Gross Beta precision (±)	pCi/L	3.9	Energy Laboratories	C12020046-001	2/18/2012	E900.0
Jane Dough	URZJA-8	1/31/2012	Radium 226	pCi/L	4.4	Energy Laboratories	C12020046-001	3/5/2012	E903.0
Jane Dough	URZJA-8	1/31/2012	Radium 226 MDC	pCi/L	0.10	Energy Laboratories	C12020046-001	3/5/2012	E903.0
Jane Dough	URZJA-8	1/31/2012	Radium 226 precision (±)	pCi/L	0.36	Energy Laboratories	C12020046-001	3/5/2012	E903.0
Jane Dough	URZJA-8	1/31/2012	Radium 228	pCi/L	0.3	Energy Laboratories	C12020046-001	2/27/2012	RA-05
Jane Dough	URZJA-8	1/31/2012	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C12020046-001	2/27/2012	RA-05
Jane Dough	URZJA-8	1/31/2012	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C12020046-001	2/27/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-8	6/21/2012	A/C Balance (± 5)	%	-0.0868	Energy Laboratories	C12060927-001	7/2/2012	A1030 E
Jane Dough	URZJA-8	6/21/2012	Anions	meq/L	5.30	Energy Laboratories	C12060927-001	7/2/2012	A1030 E
Jane Dough	URZJA-8	6/21/2012	Cations	meq/L	5.29	Energy Laboratories	C12060927-001	7/2/2012	A1030 E
Jane Dough	URZJA-8	6/21/2012	Solids, Total Dissolved Calculated	mg/L	340	Energy Laboratories	C12060927-001	7/2/2012	A1030 E
Jane Dough	URZJA-8	6/21/2012	TDS Balance (0.80 - 1.20)		1.03	Energy Laboratories	C12060927-001	7/2/2012	A1030 E
Jane Dough	URZJA-8	6/21/2012	Bicarbonate as HCO3	mg/L	162	Energy Laboratories	C12060927-001	6/22/2012	A2320 B
Jane Dough	URZJA-8	6/21/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12060927-001	6/22/2012	A2320 B
Jane Dough	URZJA-8	6/21/2012	Conductivity @ 25 C	umhos/cm	543	Energy Laboratories	C12060927-001	6/22/2012	A2510 B
Jane Dough	URZJA-8	6/21/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	345	Energy Laboratories	C12060927-001	6/25/2012	A2540 C
Jane Dough	URZJA-8	6/21/2012	Solids, Total Suspended TSS @ 105 C	mg/L	ND	Energy Laboratories	C12060927-001	6/25/2012	A2540 D
Jane Dough	URZJA-8	6/21/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12060927-001	6/25/2012	A4500-F C
Jane Dough	URZJA-8	6/21/2012	pH	s.u.	8.58	Energy Laboratories	C12060927-001	6/22/2012	A4500-H B
Jane Dough	URZJA-8	6/21/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12060927-001	6/29/2012	A4500-NH3 G
Jane Dough	URZJA-8	6/21/2012	Boron	mg/L	ND	Energy Laboratories	C12060927-001	6/28/2012	E200.7
Jane Dough	URZJA-8	6/21/2012	Iron	mg/L	ND	Energy Laboratories	C12060927-001	6/28/2012	E200.7
Jane Dough	URZJA-8	6/21/2012	Manganese	mg/L	0.01	Energy Laboratories	C12060927-001	6/28/2012	E200.7
Jane Dough	URZJA-8	6/21/2012	Silica	mg/L	11.7	Energy Laboratories	C12060927-001	6/28/2012	E200.7
Jane Dough	URZJA-8	6/21/2012	Aluminum	mg/L	ND	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Arsenic	mg/L	0.002	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Barium	mg/L	ND	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Cadmium	mg/L	ND	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Calcium	mg/L	13	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Calcium, SAR	meq/L	0.67	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Chromium	mg/L	ND	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Copper	mg/L	ND	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Iron	mg/L	ND	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Lead	mg/L	ND	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Magnesium	mg/L	1	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Magnesium, SAR	meq/L	0.10	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Manganese	mg/L	0.01	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Mercury	mg/L	ND	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Nickel	mg/L	ND	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Potassium	mg/L	4	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Selenium	mg/L	ND	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Sodium	mg/L	102	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Sodium, SAR	meq/L	4.44	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Uranium	mg/L	0.0294	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Vanadium	mg/L	ND	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Zinc	mg/L	ND	Energy Laboratories	C12060927-001	6/27/2012	E200.8
Jane Dough	URZJA-8	6/21/2012	Chloride	mg/L	6	Energy Laboratories	C12060927-001	6/30/2012	E300.0
Jane Dough	URZJA-8	6/21/2012	Sulfate	mg/L	115	Energy Laboratories	C12060927-001	6/30/2012	E300.0
Jane Dough	URZJA-8	6/21/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12060927-001	6/27/2012	E353.2
Jane Dough	URZJA-8	6/21/2012	Gross Alpha	pCi/L	70.3	Energy Laboratories	C12060927-001	6/29/2012	E900.0
Jane Dough	URZJA-8	6/21/2012	Gross Alpha MDC	pCi/L	1.8	Energy Laboratories	C12060927-001	6/29/2012	E900.0
Jane Dough	URZJA-8	6/21/2012	Gross Alpha precision (±)	pCi/L	3.0	Energy Laboratories	C12060927-001	6/29/2012	E900.0
Jane Dough	URZJA-8	6/21/2012	Gross Beta	pCi/L	20.5	Energy Laboratories	C12060927-001	6/29/2012	E900.0
Jane Dough	URZJA-8	6/21/2012	Gross Beta MDC	pCi/L	2.7	Energy Laboratories	C12060927-001	6/29/2012	E900.0
Jane Dough	URZJA-8	6/21/2012	Gross Beta precision (±)	pCi/L	2.0	Energy Laboratories	C12060927-001	6/29/2012	E900.0
Jane Dough	URZJA-8	6/21/2012	Radium 226	pCi/L	9.6	Energy Laboratories	C12060927-001	7/20/2012	E903.0
Jane Dough	URZJA-8	6/21/2012	Radium 226 MDC	pCi/L	0.19	Energy Laboratories	C12060927-001	7/20/2012	E903.0
Jane Dough	URZJA-8	6/21/2012	Radium 226 precision (±)	pCi/L	0.70	Energy Laboratories	C12060927-001	7/20/2012	E903.0
Jane Dough	URZJA-8	6/21/2012	Radium 228	pCi/L	-0.5	Energy Laboratories	C12060927-001	7/12/2012	RA-05
Jane Dough	URZJA-8	6/21/2012	Radium 228 MDC	pCi/L	2.2	Energy Laboratories	C12060927-001	7/12/2012	RA-05
Jane Dough	URZJA-8	6/21/2012	Radium 228 precision (±)	pCi/L	1.3	Energy Laboratories	C12060927-001	7/12/2012	RA-05
Jane Dough	URZJA-8	6/21/2012	Sodium Adsorption Ratio (SAR)	unitless	7.2	Energy Laboratories	C12060927-001	6/27/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-13-1	1/10/2013	A/C Balance (± 5)	%	-3.29	Energy Laboratories	C13010319-003	1/17/2013	A1030 E
Jane Dough	URZJA-13-1	1/10/2013	Anions	meq/L	5.17	Energy Laboratories Casper	C13010319-003	1/17/2013	A1030 E
Jane Dough	URZJA-13-1	1/10/2013	Cations	meq/L	4.84	Energy Laboratories Casper	C13010319-003	1/17/2013	A1030 E
Jane Dough	URZJA-13-1	1/10/2013	Solids, Total Dissolved Calculated	mg/L	310	Energy Laboratories Casper	C13010319-003	1/17/2013	A1030 E
Jane Dough	URZJA-13-1	1/10/2013	TDS Balance (0.80 - 1.20)		1.01	Energy Laboratories Casper	C13010319-003	1/17/2013	A1030 E
Jane Dough	URZJA-13-1	1/10/2013	Alkalinity, Total as CaCO3	mg/L	152	Energy Laboratories Casper	C13010319-003	1/11/2013	A2320 B
Jane Dough	URZJA-13-1	1/10/2013	Bicarbonate as HCO3	mg/L	166	Energy Laboratories Casper	C13010319-003	1/11/2013	A2320 B
Jane Dough	URZJA-13-1	1/10/2013	Carbonate as CO3	mg/L	10	Energy Laboratories Casper	C13010319-003	1/11/2013	A2320 B
Jane Dough	URZJA-13-1	1/10/2013	Conductivity @ 25 C	umhos/cm	507	Energy Laboratories Casper	C13010319-003	1/11/2013	A2510 B
Jane Dough	URZJA-13-1	1/10/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	317	Energy Laboratories Casper	C13010319-003	1/11/2013	A2540 C
Jane Dough	URZJA-13-1	1/10/2013	Fluoride	mg/L	0.4	Energy Laboratories Casper	C13010319-003	1/11/2013	A4500-F C
Jane Dough	URZJA-13-1	1/10/2013	pH	s.u.	9.05	Energy Laboratories Casper	C13010319-003	1/11/2013	A4500-H B
Jane Dough	URZJA-13-1	1/10/2013	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories Casper	C13010319-003	1/11/2013	A4500-NH3 G
Jane Dough	URZJA-13-1	1/10/2013	Aluminum	mg/L	ND	Energy Laboratories Casper	C13010319-003	1/11/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Barium	mg/L	ND	Energy Laboratories Casper	C13010319-003	1/11/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Boron	mg/L	ND	Energy Laboratories Casper	C13010319-003	1/11/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Calcium	mg/L	6	Energy Laboratories Casper	C13010319-003	1/11/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Calcium, SAR	meq/L	0.31	Energy Laboratories Casper	C13010319-003	1/11/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Chromium	mg/L	ND	Energy Laboratories Casper	C13010319-003	1/11/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Copper	mg/L	ND	Energy Laboratories Casper	C13010319-003	1/11/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Iron	mg/L	ND	Energy Laboratories Casper	C13010319-003	1/11/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Iron	mg/L	ND	Energy Laboratories Casper	C13010319-003	1/15/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Magnesium	mg/L	ND	Energy Laboratories Casper	C13010319-003	1/11/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Magnesium, SAR	meq/L	ND	Energy Laboratories Casper	C13010319-003	1/11/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Manganese	mg/L	ND	Energy Laboratories Casper	C13010319-003	1/11/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Manganese	mg/L	ND	Energy Laboratories Casper	C13010319-003	1/15/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Molybdenum	mg/L	ND	Energy Laboratories Casper	C13010319-003	1/11/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Nickel	mg/L	ND	Energy Laboratories Casper	C13010319-003	1/11/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Potassium	mg/L	4	Energy Laboratories Casper	C13010319-003	1/11/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Silica	mg/L	9.4	Energy Laboratories Casper	C13010319-003	1/11/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Sodium	mg/L	100	Energy Laboratories Casper	C13010319-003	1/11/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Sodium, SAR	meq/L	4.35	Energy Laboratories Casper	C13010319-003	1/11/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Vanadium	mg/L	ND	Energy Laboratories Casper	C13010319-003	1/11/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Zinc	mg/L	ND	Energy Laboratories Casper	C13010319-003	1/11/2013	E200.7
Jane Dough	URZJA-13-1	1/10/2013	Arsenic	mg/L	0.002	Energy Laboratories Casper	C13010319-003	1/16/2013	E200.8
Jane Dough	URZJA-13-1	1/10/2013	Cadmium	mg/L	ND	Energy Laboratories Casper	C13010319-003	1/16/2013	E200.8
Jane Dough	URZJA-13-1	1/10/2013	Lead	mg/L	ND	Energy Laboratories Casper	C13010319-003	1/16/2013	E200.8
Jane Dough	URZJA-13-1	1/10/2013	Mercury	mg/L	ND	Energy Laboratories Casper	C13010319-003	1/16/2013	E200.8
Jane Dough	URZJA-13-1	1/10/2013	Selenium	mg/L	ND	Energy Laboratories Casper	C13010319-003	1/16/2013	E200.8
Jane Dough	URZJA-13-1	1/10/2013	Uranium	mg/L	0.0199	Energy Laboratories Casper	C13010319-003	1/16/2013	E200.8
Jane Dough	URZJA-13-1	1/10/2013	Chloride	mg/L	6	Energy Laboratories Casper	C13010319-003	1/11/2013	E300.0
Jane Dough	URZJA-13-1	1/10/2013	Sulfate	mg/L	94	Energy Laboratories Casper	C13010319-003	1/11/2013	E300.0
Jane Dough	URZJA-13-1	1/10/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories Casper	C13010319-003	1/16/2013	E353.2
Jane Dough	URZJA-13-1	1/10/2013	Gross Alpha	pCi/L	178	Energy Laboratories Casper	C13010319-003	1/23/2013	E900.0
Jane Dough	URZJA-13-1	1/10/2013	Gross Alpha MDC	pCi/L	1.6	Energy Laboratories Casper	C13010319-003	1/23/2013	E900.0
Jane Dough	URZJA-13-1	1/10/2013	Gross Alpha precision (±)	pCi/L	4.4	Energy Laboratories Casper	C13010319-003	1/23/2013	E900.0
Jane Dough	URZJA-13-1	1/10/2013	Gross Beta	pCi/L	171	Energy Laboratories Casper	C13010319-003	1/23/2013	E900.0
Jane Dough	URZJA-13-1	1/10/2013	Gross Beta MDC	pCi/L	2.7	Energy Laboratories Casper	C13010319-003	1/23/2013	E900.0
Jane Dough	URZJA-13-1	1/10/2013	Gross Beta precision (±)	pCi/L	3.6	Energy Laboratories Casper	C13010319-003	1/23/2013	E900.0
Jane Dough	URZJA-13-1	1/10/2013	Radium 226	pCi/L	28	Energy Laboratories Casper	C13010319-003	1/29/2013	E903.0
Jane Dough	URZJA-13-1	1/10/2013	Radium 226 MDC	pCi/L	0.15	Energy Laboratories Casper	C13010319-003	1/29/2013	E903.0
Jane Dough	URZJA-13-1	1/10/2013	Radium 226 precision (±)	pCi/L	0.97	Energy Laboratories Casper	C13010319-003	1/29/2013	E903.0
Jane Dough	URZJA-13-1	1/10/2013	Radium 228	pCi/L	1.6	Energy Laboratories Casper	C13010319-003	1/24/2013	RA-05
Jane Dough	URZJA-13-1	1/10/2013	Radium 228 MDC	pCi/L	0.9	Energy Laboratories Casper	C13010319-003	1/24/2013	RA-05
Jane Dough	URZJA-13-1	1/10/2013	Radium 228 precision (±)	pCi/L	0.6	Energy Laboratories Casper	C13010319-003	1/24/2013	RA-05
Jane Dough	URZJA-13-1	1/10/2013	Sodium Adsorption Ratio (SAR)	unitless	9.8	Energy Laboratories Casper	C13010319-003	2/4/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA13-1	6/10/2013	A/C Balance (± 5)	%	0.142	Energy Laboratories	C13060388-001	7/1/2013	A1030 E
Jane Dough	URZJA13-1	6/10/2013	Anions	meq/L	5.10	Energy Laboratories	C13060388-001	7/1/2013	A1030 E
Jane Dough	URZJA13-1	6/10/2013	Cations	meq/L	5.11	Energy Laboratories	C13060388-001	7/1/2013	A1030 E
Jane Dough	URZJA13-1	6/10/2013	Solids, Total Dissolved Calculated	mg/L	320	Energy Laboratories	C13060388-001	7/1/2013	A1030 E
Jane Dough	URZJA13-1	6/10/2013	TDS Balance (0.80 - 1.20)		0.990	Energy Laboratories	C13060388-001	7/1/2013	A1030 E
Jane Dough	URZJA13-1	6/10/2013	Alkalinity, Total as CaCO3	mg/L	147	Energy Laboratories	C13060388-001	6/12/2013	A2320 B
Jane Dough	URZJA13-1	6/10/2013	Bicarbonate as HCO3	mg/L	171	Energy Laboratories	C13060388-001	6/12/2013	A2320 B
Jane Dough	URZJA13-1	6/10/2013	Carbonate as CO3	mg/L	ND	Energy Laboratories	C13060388-001	6/12/2013	A2320 B
Jane Dough	URZJA13-1	6/10/2013	Conductivity @ 25 C	umhos/cm	506	Energy Laboratories	C13060388-001	6/13/2013	A2510 B
Jane Dough	URZJA13-1	6/10/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	315	Energy Laboratories	C13060388-001	6/13/2013	A2540 C
Jane Dough	URZJA13-1	6/10/2013	Fluoride	mg/L	0.3	Energy Laboratories	C13060388-001	6/12/2013	A4500-F C
Jane Dough	URZJA13-1	6/10/2013	pH	s.u.	8.78	Energy Laboratories	C13060388-001	6/13/2013	A4500-H B
Jane Dough	URZJA13-1	6/10/2013	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C13060388-001	6/17/2013	A4500-NH3 G
Jane Dough	URZJA13-1	6/10/2013	Aluminum	mg/L	ND	Energy Laboratories	C13060388-001	6/25/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Barium	mg/L	ND	Energy Laboratories	C13060388-001	6/25/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Boron	mg/L	ND	Energy Laboratories	C13060388-001	6/25/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Cadmium	mg/L	ND	Energy Laboratories	C13060388-001	6/25/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Calcium	mg/L	6	Energy Laboratories	C13060388-001	6/25/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Calcium, SAR	meq/L	0.31	Energy Laboratories	C13060388-001	6/25/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Chromium	mg/L	ND	Energy Laboratories	C13060388-001	6/25/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Copper	mg/L	ND	Energy Laboratories	C13060388-001	6/25/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Iron	mg/L	ND	Energy Laboratories	C13060388-001	6/25/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Iron	mg/L	0.09	Energy Laboratories	C13060388-001	6/28/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Magnesium	mg/L	ND	Energy Laboratories	C13060388-001	6/25/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Magnesium, SAR	meq/L	ND	Energy Laboratories	C13060388-001	6/25/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Manganese	mg/L	ND	Energy Laboratories	C13060388-001	6/25/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Manganese	mg/L	ND	Energy Laboratories	C13060388-001	6/28/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Molybdenum	mg/L	ND	Energy Laboratories	C13060388-001	6/25/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Nickel	mg/L	ND	Energy Laboratories	C13060388-001	6/25/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Potassium	mg/L	4	Energy Laboratories	C13060388-001	6/25/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Silica	mg/L	9.7	Energy Laboratories	C13060388-001	6/25/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Sodium	mg/L	106	Energy Laboratories	C13060388-001	6/25/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Sodium, SAR	meq/L	4.63	Energy Laboratories	C13060388-001	6/25/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Vanadium	mg/L	ND	Energy Laboratories	C13060388-001	6/25/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Zinc	mg/L	0.04	Energy Laboratories	C13060388-001	6/25/2013	E200.7
Jane Dough	URZJA13-1	6/10/2013	Arsenic	mg/L	0.003	Energy Laboratories	C13060388-001	6/28/2013	E200.8
Jane Dough	URZJA13-1	6/10/2013	Lead	mg/L	ND	Energy Laboratories	C13060388-001	6/28/2013	E200.8
Jane Dough	URZJA13-1	6/10/2013	Mercury	mg/L	ND	Energy Laboratories	C13060388-001	6/28/2013	E200.8
Jane Dough	URZJA13-1	6/10/2013	Selenium	mg/L	ND	Energy Laboratories	C13060388-001	6/28/2013	E200.8
Jane Dough	URZJA13-1	6/10/2013	Uranium	mg/L	0.0244	Energy Laboratories	C13060388-001	6/28/2013	E200.8
Jane Dough	URZJA13-1	6/10/2013	Chloride	mg/L	6	Energy Laboratories	C13060388-001	6/13/2013	E300.0
Jane Dough	URZJA13-1	6/10/2013	Sulfate	mg/L	95	Energy Laboratories	C13060388-001	6/13/2013	E300.0
Jane Dough	URZJA13-1	6/10/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C13060388-001	6/12/2013	E353.2
Jane Dough	URZJA13-1	6/10/2013	Gross Alpha	pCi/L	119	Energy Laboratories	C13060388-001	7/5/2013	E900.0
Jane Dough	URZJA13-1	6/10/2013	Gross Alpha MDC	pCi/L	1.4	Energy Laboratories	C13060388-001	7/5/2013	E900.0
Jane Dough	URZJA13-1	6/10/2013	Gross Alpha precision (±)	pCi/L	4.0	Energy Laboratories	C13060388-001	7/5/2013	E900.0
Jane Dough	URZJA13-1	6/10/2013	Gross Beta	pCi/L	43.9	Energy Laboratories	C13060388-001	7/5/2013	E900.0
Jane Dough	URZJA13-1	6/10/2013	Gross Beta MDC	pCi/L	2.3	Energy Laboratories	C13060388-001	7/5/2013	E900.0
Jane Dough	URZJA13-1	6/10/2013	Gross Beta precision (±)	pCi/L	2.2	Energy Laboratories	C13060388-001	7/5/2013	E900.0
Jane Dough	URZJA13-1	6/10/2013	Radium 226	pCi/L	18	Energy Laboratories	C13060388-001	7/2/2013	E903.0
Jane Dough	URZJA13-1	6/10/2013	Radium 226 MDC	pCi/L	0.19	Energy Laboratories	C13060388-001	7/2/2013	E903.0
Jane Dough	URZJA13-1	6/10/2013	Radium 226 precision (±)	pCi/L	0.90	Energy Laboratories	C13060388-001	7/2/2013	E903.0
Jane Dough	URZJA13-1	6/10/2013	Radium 228	pCi/L	-0.6	Energy Laboratories	C13060388-001	6/26/2013	RA-05
Jane Dough	URZJA13-1	6/10/2013	Radium 228 MDC	pCi/L	1.5	Energy Laboratories	C13060388-001	6/26/2013	RA-05
Jane Dough	URZJA13-1	6/10/2013	Radium 228 precision (±)	pCi/L	0.87	Energy Laboratories	C13060388-001	6/26/2013	RA-05
Jane Dough	URZJA13-1	6/10/2013	Sodium Adsorption Ratio (SAR)	unitless	10.8	Energy Laboratories	C13060388-001	7/1/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-13-1	9/18/2013	A/C Balance (± 5)	%	0.596	Energy Laboratories	C13090759-001	10/2/2013	A1030 E
Jane Dough	URZJA-13-1	9/18/2013	Anions	meq/L	7.40	Energy Laboratories	C13090759-001	10/2/2013	A1030 E
Jane Dough	URZJA-13-1	9/18/2013	Cations	meq/L	7.49	Energy Laboratories	C13090759-001	10/2/2013	A1030 E
Jane Dough	URZJA-13-1	9/18/2013	Solids, Total Dissolved Calculated	mg/L	460	Energy Laboratories	C13090759-001	10/2/2013	A1030 E
Jane Dough	URZJA-13-1	9/18/2013	TDS Balance (0.80 - 1.20)		0.980	Energy Laboratories	C13090759-001	10/2/2013	A1030 E
Jane Dough	URZJA-13-1	9/18/2013	Alkalinity, Total as CaCO3	mg/L	111	Energy Laboratories	C13090759-001	9/20/2013	A2320 B
Jane Dough	URZJA-13-1	9/18/2013	Bicarbonate as HCO3	mg/L	136	Energy Laboratories	C13090759-001	9/20/2013	A2320 B
Jane Dough	URZJA-13-1	9/18/2013	Carbonate as CO3	mg/L	ND	Energy Laboratories	C13090759-001	9/20/2013	A2320 B
Jane Dough	URZJA-13-1	9/18/2013	Conductivity @ 25 C	umhos/cm	789	Energy Laboratories	C13090759-001	9/20/2013	A2510 B
Jane Dough	URZJA-13-1	9/18/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	448	Energy Laboratories	C13090759-001	9/23/2013	A2540 C
Jane Dough	URZJA-13-1	9/18/2013	Fluoride	mg/L	0.4	Energy Laboratories	C13090759-001	9/20/2013	A4500-F C
Jane Dough	URZJA-13-1	9/18/2013	pH	s.u.	8.3	Energy Laboratories	C13090759-001	9/20/2013	A4500-H B
Jane Dough	URZJA-13-1	9/18/2013	Nitrogen, Ammonia as N	mg/L	0.06	Energy Laboratories	C13090759-001	9/25/2013	A4500-NH3 G
Jane Dough	URZJA-13-1	9/18/2013	Aluminum	mg/L	ND	Energy Laboratories	C13090759-001	9/30/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Barium	mg/L	ND	Energy Laboratories	C13090759-001	9/30/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Boron	mg/L	ND	Energy Laboratories	C13090759-001	9/30/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Cadmium	mg/L	ND	Energy Laboratories	C13090759-001	9/30/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Calcium	mg/L	29	Energy Laboratories	C13090759-001	9/30/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Calcium, SAR	meq/L	1.46	Energy Laboratories	C13090759-001	9/30/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Chromium	mg/L	ND	Energy Laboratories	C13090759-001	9/30/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Iron	mg/L	ND	Energy Laboratories	C13090759-001	9/30/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Iron	mg/L	4.08	Energy Laboratories	C13090759-001	9/25/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Magnesium	mg/L	4	Energy Laboratories	C13090759-001	9/30/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Magnesium, SAR	meq/L	0.32	Energy Laboratories	C13090759-001	9/30/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Manganese	mg/L	0.04	Energy Laboratories	C13090759-001	9/30/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Manganese	mg/L	0.07	Energy Laboratories	C13090759-001	9/25/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Molybdenum	mg/L	ND	Energy Laboratories	C13090759-001	9/30/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Nickel	mg/L	ND	Energy Laboratories	C13090759-001	9/30/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Potassium	mg/L	8	Energy Laboratories	C13090759-001	9/30/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Silica	mg/L	12.8	Energy Laboratories	C13090759-001	9/30/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Sodium	mg/L	127	Energy Laboratories	C13090759-001	9/30/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Sodium, SAR	meq/L	5.52	Energy Laboratories	C13090759-001	9/30/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Vanadium	mg/L	ND	Energy Laboratories	C13090759-001	9/30/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Zinc	mg/L	ND	Energy Laboratories	C13090759-001	9/30/2013	E200.7
Jane Dough	URZJA-13-1	9/18/2013	Arsenic	mg/L	0.001	Energy Laboratories	C13090759-001	10/3/2013	E200.8
Jane Dough	URZJA-13-1	9/18/2013	Copper	mg/L	ND	Energy Laboratories	C13090759-001	10/8/2013	E200.8
Jane Dough	URZJA-13-1	9/18/2013	Lead	mg/L	ND	Energy Laboratories	C13090759-001	10/3/2013	E200.8
Jane Dough	URZJA-13-1	9/18/2013	Mercury	mg/L	ND	Energy Laboratories	C13090759-001	10/3/2013	E200.8
Jane Dough	URZJA-13-1	9/18/2013	Selenium	mg/L	0.002	Energy Laboratories	C13090759-001	10/3/2013	E200.8
Jane Dough	URZJA-13-1	9/18/2013	Uranium	mg/L	0.0221	Energy Laboratories	C13090759-001	10/3/2013	E200.8
Jane Dough	URZJA-13-1	9/18/2013	Chloride	mg/L	113	Energy Laboratories	C13090759-001	9/21/2013	E300.0
Jane Dough	URZJA-13-1	9/18/2013	Sulfate	mg/L	95	Energy Laboratories	C13090759-001	9/24/2013	E300.0
Jane Dough	URZJA-13-1	9/18/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C13090759-001	9/24/2013	E353.2
Jane Dough	URZJA-13-1	9/18/2013	Gross Alpha	pCi/L	90.4	Energy Laboratories	C13090759-001	9/27/2013	E900.0
Jane Dough	URZJA-13-1	9/18/2013	Gross Alpha MDC	pCi/L	2.2	Energy Laboratories	C13090759-001	9/27/2013	E900.0
Jane Dough	URZJA-13-1	9/18/2013	Gross Alpha precision (±)	pCi/L	3.7	Energy Laboratories	C13090759-001	9/27/2013	E900.0
Jane Dough	URZJA-13-1	9/18/2013	Gross Beta	pCi/L	17.0	Energy Laboratories	C13090759-001	9/27/2013	E900.0
Jane Dough	URZJA-13-1	9/18/2013	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C13090759-001	9/27/2013	E900.0
Jane Dough	URZJA-13-1	9/18/2013	Gross Beta precision (±)	pCi/L	2.0	Energy Laboratories	C13090759-001	9/27/2013	E900.0
Jane Dough	URZJA-13-1	9/18/2013	Radium 226	pCi/L	33	Energy Laboratories	C13090759-001	10/8/2013	E903.0
Jane Dough	URZJA-13-1	9/18/2013	Radium 226 MDC	pCi/L	0.16	Energy Laboratories	C13090759-001	10/8/2013	E903.0
Jane Dough	URZJA-13-1	9/18/2013	Radium 226 precision (±)	pCi/L	1.2	Energy Laboratories	C13090759-001	10/8/2013	E903.0
Jane Dough	URZJA-13-1	9/18/2013	Radium 228	pCi/L	0.96	Energy Laboratories	C13090759-001	10/2/2013	RA-05
Jane Dough	URZJA-13-1	9/18/2013	Radium 228 MDC	pCi/L	1.3	Energy Laboratories	C13090759-001	10/2/2013	RA-05
Jane Dough	URZJA-13-1	9/18/2013	Radium 228 precision (±)	pCi/L	0.84	Energy Laboratories	C13090759-001	10/2/2013	RA-05
Jane Dough	URZJA-13-1	9/18/2013	Sodium Adsorption Ratio (SAR)	unitless	5.9	Energy Laboratories	C13090759-001	9/30/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-13-1	11/1/2013	A/C Balance (± 5)	%	-1.25	Energy Laboratories	C13110101-003	11/22/2013	A1030 E
Jane Dough	URZJA-13-1	11/1/2013	Anions	meq/L	4.87	Energy Laboratories	C13110101-003	11/22/2013	A1030 E
Jane Dough	URZJA-13-1	11/1/2013	Cations	meq/L	4.75	Energy Laboratories	C13110101-003	11/22/2013	A1030 E
Jane Dough	URZJA-13-1	11/1/2013	Solids, Total Dissolved Calculated	mg/L	290	Energy Laboratories	C13110101-003	11/22/2013	A1030 E
Jane Dough	URZJA-13-1	11/1/2013	TDS Balance (0.80 - 1.20)		1.03	Energy Laboratories	C13110101-003	11/22/2013	A1030 E
Jane Dough	URZJA-13-1	11/1/2013	Alkalinity, Total as CaCO3	mg/L	139	Energy Laboratories	C13110101-003	11/5/2013	A2320 B
Jane Dough	URZJA-13-1	11/1/2013	Bicarbonate as HCO3	mg/L	165	Energy Laboratories	C13110101-003	11/5/2013	A2320 B
Jane Dough	URZJA-13-1	11/1/2013	Carbonate as CO3	mg/L	ND	Energy Laboratories	C13110101-003	11/5/2013	A2320 B
Jane Dough	URZJA-13-1	11/1/2013	Conductivity @ 25 C	umhos/cm	531	Energy Laboratories	C13110101-003	11/5/2013	A2510 B
Jane Dough	URZJA-13-1	11/1/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	299	Energy Laboratories	C13110101-003	11/5/2013	A2540 C
Jane Dough	URZJA-13-1	11/1/2013	Fluoride	mg/L	0.4	Energy Laboratories	C13110101-003	11/7/2013	A4500-F C
Jane Dough	URZJA-13-1	11/1/2013	pH	s.u.	8.69	Energy Laboratories	C13110101-003	11/5/2013	A4500-H B
Jane Dough	URZJA-13-1	11/1/2013	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C13110101-003	11/6/2013	A4500-NH3 G
Jane Dough	URZJA-13-1	11/1/2013	Iron	mg/L	0.10	Energy Laboratories	C13110101-003	11/11/2013	E200.7
Jane Dough	URZJA-13-1	11/1/2013	Manganese	mg/L	ND	Energy Laboratories	C13110101-003	11/11/2013	E200.7
Jane Dough	URZJA-13-1	11/1/2013	Silica	mg/L	10.7	Energy Laboratories	C13110101-003	11/21/2013	E200.7
Jane Dough	URZJA-13-1	11/1/2013	Aluminum	mg/L	ND	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Arsenic	mg/L	0.002	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Barium	mg/L	ND	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Boron	mg/L	ND	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Cadmium	mg/L	ND	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Calcium	mg/L	7	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Calcium, SAR	meq/L	0.36	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Chromium	mg/L	ND	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Copper	mg/L	ND	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Iron	mg/L	ND	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Lead	mg/L	ND	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Magnesium	mg/L	ND	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Magnesium, SAR	meq/L	ND	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Manganese	mg/L	ND	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Mercury	mg/L	ND	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Molybdenum	mg/L	ND	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Nickel	mg/L	ND	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Potassium	mg/L	3	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Selenium	mg/L	ND	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Sodium	mg/L	98	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Sodium, SAR	meq/L	4.25	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Uranium	mg/L	0.0286	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Uranium	mg/L	0.0300	Energy Laboratories	C13110101-003	11/14/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Vanadium	mg/L	ND	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Zinc	mg/L	0.01	Energy Laboratories	C13110101-003	11/19/2013	E200.8
Jane Dough	URZJA-13-1	11/1/2013	Chloride	mg/L	6	Energy Laboratories	C13110101-003	11/6/2013	E300.0
Jane Dough	URZJA-13-1	11/1/2013	Sulfate	mg/L	91	Energy Laboratories	C13110101-003	11/6/2013	E300.0
Jane Dough	URZJA-13-1	11/1/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C13110101-003	11/5/2013	E353.2
Jane Dough	URZJA-13-1	11/1/2013	Gross Alpha	pCi/L	48.1	Energy Laboratories	C13110101-003	11/21/2013	E900.0
Jane Dough	URZJA-13-1	11/1/2013	Gross Alpha MDC	pCi/L	1.8	Energy Laboratories	C13110101-003	11/21/2013	E900.0
Jane Dough	URZJA-13-1	11/1/2013	Gross Alpha precision (±)	pCi/L	2.5	Energy Laboratories	C13110101-003	11/21/2013	E900.0
Jane Dough	URZJA-13-1	11/1/2013	Gross Beta	pCi/L	57.9	Energy Laboratories	C13110101-003	11/21/2013	E900.0
Jane Dough	URZJA-13-1	11/1/2013	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C13110101-003	11/21/2013	E900.0
Jane Dough	URZJA-13-1	11/1/2013	Gross Beta precision (±)	pCi/L	2.5	Energy Laboratories	C13110101-003	11/21/2013	E900.0
Jane Dough	URZJA-13-1	11/1/2013	Radium 226	pCi/L	2.6	Energy Laboratories	C13110101-003	12/16/2013	E903.0
Jane Dough	URZJA-13-1	11/1/2013	Radium 226 MDC	pCi/L	0.11	Energy Laboratories	C13110101-003	12/16/2013	E903.0
Jane Dough	URZJA-13-1	11/1/2013	Radium 226 precision (±)	pCi/L	0.25	Energy Laboratories	C13110101-003	12/16/2013	E903.0
Jane Dough	URZJA-13-1	11/1/2013	Radium 228	pCi/L	1.6	Energy Laboratories	C13110101-003	11/13/2013	RA-05
Jane Dough	URZJA-13-1	11/1/2013	Radium 228 MDC	pCi/L	1.9	Energy Laboratories	C13110101-003	11/13/2013	RA-05
Jane Dough	URZJA-13-1	11/1/2013	Radium 228 precision (±)	pCi/L	1.2	Energy Laboratories	C13110101-003	11/13/2013	RA-05
Jane Dough	URZJA-13-1	11/1/2013	Sodium Adsorption Ratio (SAR)	unitless	9.1	Energy Laboratories	C13110101-003	11/19/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-14-1	1/10/2013	A/C Balance (± 5)	%	-0.725	Energy Laboratories	C13010319-004	1/17/2013	A1030 E
Jane Dough	URZJA-14-1	1/10/2013	Anions	meq/L	4.92	Energy Laboratories	C13010319-004	1/17/2013	A1030 E
Jane Dough	URZJA-14-1	1/10/2013	Cations	meq/L	4.85	Energy Laboratories	C13010319-004	1/17/2013	A1030 E
Jane Dough	URZJA-14-1	1/10/2013	Solids, Total Dissolved Calculated	mg/L	300	Energy Laboratories	C13010319-004	1/17/2013	A1030 E
Jane Dough	URZJA-14-1	1/10/2013	TDS Balance (0.80 - 1.20)		1.02	Energy Laboratories	C13010319-004	1/17/2013	A1030 E
Jane Dough	URZJA-14-1	1/10/2013	Alkalinity, Total as CaCO3	mg/L	142	Energy Laboratories	C13010319-004	1/11/2013	A2320 B
Jane Dough	URZJA-14-1	1/10/2013	Bicarbonate as HCO3	mg/L	158	Energy Laboratories	C13010319-004	1/11/2013	A2320 B
Jane Dough	URZJA-14-1	1/10/2013	Carbonate as CO3	mg/L	8	Energy Laboratories	C13010319-004	1/11/2013	A2320 B
Jane Dough	URZJA-14-1	1/10/2013	Conductivity @ 25 C	umhos/cm	500	Energy Laboratories	C13010319-004	1/11/2013	A2510 B
Jane Dough	URZJA-14-1	1/10/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	312	Energy Laboratories	C13010319-004	1/11/2013	A2540 C
Jane Dough	URZJA-14-1	1/10/2013	Fluoride	mg/L	0.4	Energy Laboratories	C13010319-004	1/11/2013	A4500-F C
Jane Dough	URZJA-14-1	1/10/2013	pH	s.u.	8.89	Energy Laboratories	C13010319-004	1/11/2013	A4500-H B
Jane Dough	URZJA-14-1	1/10/2013	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C13010319-004	1/11/2013	A4500-NH3 G
Jane Dough	URZJA-14-1	1/10/2013	Aluminum	mg/L	ND	Energy Laboratories	C13010319-004	1/11/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Barium	mg/L	ND	Energy Laboratories	C13010319-004	1/11/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Boron	mg/L	ND	Energy Laboratories	C13010319-004	1/11/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Cadmium	mg/L	ND	Energy Laboratories	C13010319-004	1/11/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Calcium	mg/L	7	Energy Laboratories	C13010319-004	1/11/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Calcium, SAR	meq/L	0.37	Energy Laboratories	C13010319-004	1/11/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Chromium	mg/L	ND	Energy Laboratories	C13010319-004	1/11/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Copper	mg/L	ND	Energy Laboratories	C13010319-004	1/11/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Iron	mg/L	ND	Energy Laboratories	C13010319-004	1/11/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Iron	mg/L	ND	Energy Laboratories	C13010319-004	1/15/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Magnesium	mg/L	1	Energy Laboratories	C13010319-004	1/11/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Magnesium, SAR	meq/L	0.08	Energy Laboratories	C13010319-004	1/11/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Manganese	mg/L	ND	Energy Laboratories	C13010319-004	1/11/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Manganese	mg/L	ND	Energy Laboratories	C13010319-004	1/15/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Molybdenum	mg/L	ND	Energy Laboratories	C13010319-004	1/11/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Nickel	mg/L	ND	Energy Laboratories	C13010319-004	1/11/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Potassium	mg/L	2	Energy Laboratories	C13010319-004	1/11/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Silica	mg/L	9.1	Energy Laboratories	C13010319-004	1/11/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Sodium	mg/L	100	Energy Laboratories	C13010319-004	1/11/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Sodium, SAR	meq/L	4.34	Energy Laboratories	C13010319-004	1/11/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Vanadium	mg/L	ND	Energy Laboratories	C13010319-004	1/11/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Zinc	mg/L	ND	Energy Laboratories	C13010319-004	1/11/2013	E200.7
Jane Dough	URZJA-14-1	1/10/2013	Arsenic	mg/L	0.002	Energy Laboratories	C13010319-004	1/16/2013	E200.8
Jane Dough	URZJA-14-1	1/10/2013	Lead	mg/L	ND	Energy Laboratories	C13010319-004	1/16/2013	E200.8
Jane Dough	URZJA-14-1	1/10/2013	Mercury	mg/L	ND	Energy Laboratories	C13010319-004	1/16/2013	E200.8
Jane Dough	URZJA-14-1	1/10/2013	Selenium	mg/L	ND	Energy Laboratories	C13010319-004	1/16/2013	E200.8
Jane Dough	URZJA-14-1	1/10/2013	Uranium	mg/L	0.0254	Energy Laboratories	C13010319-004	1/16/2013	E200.8
Jane Dough	URZJA-14-1	1/10/2013	Chloride	mg/L	5	Energy Laboratories	C13010319-004	1/11/2013	E300.0
Jane Dough	URZJA-14-1	1/10/2013	Sulfate	mg/L	92	Energy Laboratories	C13010319-004	1/11/2013	E300.0
Jane Dough	URZJA-14-1	1/10/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C13010319-004	1/16/2013	E353.2
Jane Dough	URZJA-14-1	1/10/2013	Gross Alpha	pCi/L	55.0	Energy Laboratories	C13010319-004	1/23/2013	E900.0
Jane Dough	URZJA-14-1	1/10/2013	Gross Alpha MDC	pCi/L	1.7	Energy Laboratories	C13010319-004	1/23/2013	E900.0
Jane Dough	URZJA-14-1	1/10/2013	Gross Alpha precision (±)	pCi/L	2.5	Energy Laboratories	C13010319-004	1/23/2013	E900.0
Jane Dough	URZJA-14-1	1/10/2013	Gross Beta	pCi/L	29.2	Energy Laboratories	C13010319-004	1/23/2013	E900.0
Jane Dough	URZJA-14-1	1/10/2013	Gross Beta MDC	pCi/L	3.9	Energy Laboratories	C13010319-004	1/23/2013	E900.0
Jane Dough	URZJA-14-1	1/10/2013	Gross Beta precision (±)	pCi/L	3.0	Energy Laboratories	C13010319-004	1/23/2013	E900.0
Jane Dough	URZJA-14-1	1/10/2013	Radium 226	pCi/L	1.6	Energy Laboratories	C13010319-004	1/29/2013	E903.0
Jane Dough	URZJA-14-1	1/10/2013	Radium 226 MDC	pCi/L	0.15	Energy Laboratories	C13010319-004	1/29/2013	E903.0
Jane Dough	URZJA-14-1	1/10/2013	Radium 226 precision (±)	pCi/L	0.25	Energy Laboratories	C13010319-004	1/29/2013	E903.0
Jane Dough	URZJA-14-1	1/10/2013	Radium 228	pCi/L	0.9	Energy Laboratories	C13010319-004	1/24/2013	RA-05
Jane Dough	URZJA-14-1	1/10/2013	Radium 228 MDC	pCi/L	0.9	Energy Laboratories	C13010319-004	1/24/2013	RA-05
Jane Dough	URZJA-14-1	1/10/2013	Radium 228 precision (±)	pCi/L	0.6	Energy Laboratories	C13010319-004	1/24/2013	RA-05
Jane Dough	URZJA-14-1	1/10/2013	Sodium Adsorption Ratio (SAR)	unitless	9.2	Energy Laboratories	C13010319-004	2/4/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-14-1	6/6/2013	A/C Balance (± 5)	%	2.91	Energy Laboratories	C13060247-004	6/25/2013	A1030 E
Jane Dough	URZJA-14-1	6/6/2013	Anions	meq/L	5.01	Energy Laboratories	C13060247-004	6/25/2013	A1030 E
Jane Dough	URZJA-14-1	6/6/2013	Cations	meq/L	5.31	Energy Laboratories	C13060247-004	6/25/2013	A1030 E
Jane Dough	URZJA-14-1	6/6/2013	Solids, Total Dissolved Calculated	mg/L	320	Energy Laboratories	C13060247-004	6/25/2013	A1030 E
Jane Dough	URZJA-14-1	6/6/2013	TDS Balance (0.80 - 1.20)		1.02	Energy Laboratories	C13060247-004	6/25/2013	A1030 E
Jane Dough	URZJA-14-1	6/6/2013	Alkalinity, Total as CaCO3	mg/L	150	Energy Laboratories	C13060247-004	6/7/2013	A2320 B
Jane Dough	URZJA-14-1	6/6/2013	Bicarbonate as HCO3	mg/L	176	Energy Laboratories	C13060247-004	6/7/2013	A2320 B
Jane Dough	URZJA-14-1	6/6/2013	Carbonate as CO3	mg/L	ND	Energy Laboratories	C13060247-004	6/7/2013	A2320 B
Jane Dough	URZJA-14-1	6/6/2013	Conductivity @ 25 C	umhos/cm	502	Energy Laboratories	C13060247-004	6/7/2013	A2510 B
Jane Dough	URZJA-14-1	6/6/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	323	Energy Laboratories	C13060247-004	6/11/2013	A2540 C
Jane Dough	URZJA-14-1	6/6/2013	Fluoride	mg/L	0.4	Energy Laboratories	C13060247-004	6/7/2013	A4500-F C
Jane Dough	URZJA-14-1	6/6/2013	pH	s.u.	8.46	Energy Laboratories	C13060247-004	6/7/2013	A4500-H B
Jane Dough	URZJA-14-1	6/6/2013	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C13060247-004	6/17/2013	A4500-NH3 G
Jane Dough	URZJA-14-1	6/6/2013	Aluminum	mg/L	ND	Energy Laboratories	C13060247-004	6/21/2013	E200.7
Jane Dough	URZJA-14-1	6/6/2013	Barium	mg/L	ND	Energy Laboratories	C13060247-004	6/21/2013	E200.7
Jane Dough	URZJA-14-1	6/6/2013	Boron	mg/L	ND	Energy Laboratories	C13060247-004	6/21/2013	E200.7
Jane Dough	URZJA-14-1	6/6/2013	Calcium	mg/L	10	Energy Laboratories	C13060247-004	6/21/2013	E200.7
Jane Dough	URZJA-14-1	6/6/2013	Calcium, SAR	meq/L	0.48	Energy Laboratories	C13060247-004	6/21/2013	E200.7
Jane Dough	URZJA-14-1	6/6/2013	Chromium	mg/L	ND	Energy Laboratories	C13060247-004	6/21/2013	E200.7
Jane Dough	URZJA-14-1	6/6/2013	Copper	mg/L	ND	Energy Laboratories	C13060247-004	6/21/2013	E200.7
Jane Dough	URZJA-14-1	6/6/2013	Iron	mg/L	ND	Energy Laboratories	C13060247-004	6/21/2013	E200.7
Jane Dough	URZJA-14-1	6/6/2013	Iron	mg/L	0.26	Energy Laboratories	C13060247-004	6/12/2013	E200.7
Jane Dough	URZJA-14-1	6/6/2013	Magnesium	mg/L	ND	Energy Laboratories	C13060247-004	6/21/2013	E200.7
Jane Dough	URZJA-14-1	6/6/2013	Magnesium, SAR	meq/L	ND	Energy Laboratories	C13060247-004	6/21/2013	E200.7
Jane Dough	URZJA-14-1	6/6/2013	Manganese	mg/L	ND	Energy Laboratories	C13060247-004	6/21/2013	E200.7
Jane Dough	URZJA-14-1	6/6/2013	Manganese	mg/L	0.02	Energy Laboratories	C13060247-004	6/12/2013	E200.7
Jane Dough	URZJA-14-1	6/6/2013	Molybdenum	mg/L	ND	Energy Laboratories	C13060247-004	6/21/2013	E200.7
Jane Dough	URZJA-14-1	6/6/2013	Nickel	mg/L	ND	Energy Laboratories	C13060247-004	6/21/2013	E200.7
Jane Dough	URZJA-14-1	6/6/2013	Potassium	mg/L	3	Energy Laboratories	C13060247-004	6/21/2013	E200.7
Jane Dough	URZJA-14-1	6/6/2013	Sodium	mg/L	107	Energy Laboratories	C13060247-004	6/21/2013	E200.7
Jane Dough	URZJA-14-1	6/6/2013	Sodium, SAR	meq/L	4.67	Energy Laboratories	C13060247-004	6/21/2013	E200.7
Jane Dough	URZJA-14-1	6/6/2013	Vanadium	mg/L	ND	Energy Laboratories	C13060247-004	6/21/2013	E200.7
Jane Dough	URZJA-14-1	6/6/2013	Zinc	mg/L	ND	Energy Laboratories	C13060247-004	6/21/2013	E200.7
Jane Dough	URZJA-14-1	6/6/2013	Arsenic	mg/L	0.003	Energy Laboratories	C13060247-004	6/21/2013	E200.8
Jane Dough	URZJA-14-1	6/6/2013	Cadmium	mg/L	ND	Energy Laboratories	C13060247-004	6/21/2013	E200.8
Jane Dough	URZJA-14-1	6/6/2013	Lead	mg/L	ND	Energy Laboratories	C13060247-004	6/21/2013	E200.8
Jane Dough	URZJA-14-1	6/6/2013	Mercury	mg/L	ND	Energy Laboratories	C13060247-004	6/21/2013	E200.8
Jane Dough	URZJA-14-1	6/6/2013	Selenium	mg/L	ND	Energy Laboratories	C13060247-004	6/21/2013	E200.8
Jane Dough	URZJA-14-1	6/6/2013	Silica	mg/L	8.6	Energy Laboratories	C13060247-004	6/21/2013	E200.8
Jane Dough	URZJA-14-1	6/6/2013	Uranium	mg/L	0.0249	Energy Laboratories	C13060247-004	6/21/2013	E200.8
Jane Dough	URZJA-14-1	6/6/2013	Chloride	mg/L	5	Energy Laboratories	C13060247-004	6/11/2013	E300.0
Jane Dough	URZJA-14-1	6/6/2013	Sulfate	mg/L	88	Energy Laboratories	C13060247-004	6/11/2013	E300.0
Jane Dough	URZJA-14-1	6/6/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C13060247-004	6/11/2013	E353.2
Jane Dough	URZJA-14-1	6/6/2013	Gross Alpha	pCi/L	41.3	Energy Laboratories	C13060247-004	6/24/2013	E900.0
Jane Dough	URZJA-14-1	6/6/2013	Gross Alpha MDC	pCi/L	1.7	Energy Laboratories	C13060247-004	6/24/2013	E900.0
Jane Dough	URZJA-14-1	6/6/2013	Gross Alpha precision (±)	pCi/L	2.3	Energy Laboratories	C13060247-004	6/24/2013	E900.0
Jane Dough	URZJA-14-1	6/6/2013	Gross Beta	pCi/L	9.7	Energy Laboratories	C13060247-004	6/24/2013	E900.0
Jane Dough	URZJA-14-1	6/6/2013	Gross Beta MDC	pCi/L	2.7	Energy Laboratories	C13060247-004	6/24/2013	E900.0
Jane Dough	URZJA-14-1	6/6/2013	Gross Beta precision (±)	pCi/L	1.8	Energy Laboratories	C13060247-004	6/24/2013	E900.0
Jane Dough	URZJA-14-1	6/6/2013	Radium 226	pCi/L	2.4	Energy Laboratories	C13060247-004	7/2/2013	E903.0
Jane Dough	URZJA-14-1	6/6/2013	Radium 226 MDC	pCi/L	0.17	Energy Laboratories	C13060247-004	7/2/2013	E903.0
Jane Dough	URZJA-14-1	6/6/2013	Radium 226 precision (±)	pCi/L	0.32	Energy Laboratories	C13060247-004	7/2/2013	E903.0
Jane Dough	URZJA-14-1	6/6/2013	Radium 228	pCi/L	0.59	Energy Laboratories	C13060247-004	6/25/2013	RA-05
Jane Dough	URZJA-14-1	6/6/2013	Radium 228 MDC	pCi/L	1.4	Energy Laboratories	C13060247-004	6/25/2013	RA-05
Jane Dough	URZJA-14-1	6/6/2013	Radium 228 precision (±)	pCi/L	0.89	Energy Laboratories	C13060247-004	6/25/2013	RA-05
Jane Dough	URZJA-14-1	6/6/2013	Sodium Adsorption Ratio (SAR)	unitless	8.8	Energy Laboratories	C13060247-004	6/25/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-14-1	9/19/2013	A/C Balance (± 5)	%	1.84	Energy Laboratories	C13090759-002	10/2/2013	A1030 E
Jane Dough	URZJA-14-1	9/19/2013	Anions	meq/L	5.16	Energy Laboratories	C13090759-002	10/2/2013	A1030 E
Jane Dough	URZJA-14-1	9/19/2013	Cations	meq/L	5.35	Energy Laboratories	C13090759-002	10/2/2013	A1030 E
Jane Dough	URZJA-14-1	9/19/2013	Solids, Total Dissolved Calculated	mg/L	330	Energy Laboratories	C13090759-002	10/2/2013	A1030 E
Jane Dough	URZJA-14-1	9/19/2013	TDS Balance (0.80 - 1.20)		0.970	Energy Laboratories	C13090759-002	10/2/2013	A1030 E
Jane Dough	URZJA-14-1	9/19/2013	Alkalinity, Total as CaCO3	mg/L	152	Energy Laboratories	C13090759-002	9/20/2013	A2320 B
Jane Dough	URZJA-14-1	9/19/2013	Bicarbonate as HCO3	mg/L	177	Energy Laboratories	C13090759-002	9/20/2013	A2320 B
Jane Dough	URZJA-14-1	9/19/2013	Carbonate as CO3	mg/L	ND	Energy Laboratories	C13090759-002	9/20/2013	A2320 B
Jane Dough	URZJA-14-1	9/19/2013	Conductivity @ 25 C	umhos/cm	522	Energy Laboratories	C13090759-002	9/20/2013	A2510 B
Jane Dough	URZJA-14-1	9/19/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	316	Energy Laboratories	C13090759-002	9/23/2013	A2540 C
Jane Dough	URZJA-14-1	9/19/2013	Fluoride	mg/L	0.4	Energy Laboratories	C13090759-002	9/20/2013	A4500-F C
Jane Dough	URZJA-14-1	9/19/2013	pH	s.u.	8.5	Energy Laboratories	C13090759-002	9/20/2013	A4500-H B
Jane Dough	URZJA-14-1	9/19/2013	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C13090759-002	9/25/2013	A4500-NH3 G
Jane Dough	URZJA-14-1	9/19/2013	Aluminum	mg/L	ND	Energy Laboratories	C13090759-002	9/30/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Barium	mg/L	ND	Energy Laboratories	C13090759-002	9/30/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Boron	mg/L	ND	Energy Laboratories	C13090759-002	9/30/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Cadmium	mg/L	ND	Energy Laboratories	C13090759-002	9/30/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Calcium	mg/L	11	Energy Laboratories	C13090759-002	9/30/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Calcium, SAR	meq/L	0.53	Energy Laboratories	C13090759-002	9/30/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Chromium	mg/L	ND	Energy Laboratories	C13090759-002	9/30/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Iron	mg/L	ND	Energy Laboratories	C13090759-002	9/30/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Iron	mg/L	ND	Energy Laboratories	C13090759-002	9/25/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Magnesium	mg/L	ND	Energy Laboratories	C13090759-002	9/30/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Magnesium, SAR	meq/L	ND	Energy Laboratories	C13090759-002	9/30/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Manganese	mg/L	ND	Energy Laboratories	C13090759-002	9/30/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Manganese	mg/L	ND	Energy Laboratories	C13090759-002	9/25/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Molybdenum	mg/L	ND	Energy Laboratories	C13090759-002	9/30/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Nickel	mg/L	ND	Energy Laboratories	C13090759-002	9/30/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Potassium	mg/L	6	Energy Laboratories	C13090759-002	9/30/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Silica	mg/L	9.7	Energy Laboratories	C13090759-002	9/30/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Sodium	mg/L	106	Energy Laboratories	C13090759-002	9/30/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Sodium, SAR	meq/L	4.62	Energy Laboratories	C13090759-002	9/30/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Vanadium	mg/L	ND	Energy Laboratories	C13090759-002	9/30/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Zinc	mg/L	ND	Energy Laboratories	C13090759-002	9/30/2013	E200.7
Jane Dough	URZJA-14-1	9/19/2013	Arsenic	mg/L	0.004	Energy Laboratories	C13090759-002	10/3/2013	E200.8
Jane Dough	URZJA-14-1	9/19/2013	Copper	mg/L	ND	Energy Laboratories	C13090759-002	10/8/2013	E200.8
Jane Dough	URZJA-14-1	9/19/2013	Lead	mg/L	ND	Energy Laboratories	C13090759-002	10/3/2013	E200.8
Jane Dough	URZJA-14-1	9/19/2013	Mercury	mg/L	ND	Energy Laboratories	C13090759-002	10/3/2013	E200.8
Jane Dough	URZJA-14-1	9/19/2013	Selenium	mg/L	ND	Energy Laboratories	C13090759-002	10/3/2013	E200.8
Jane Dough	URZJA-14-1	9/19/2013	Uranium	mg/L	0.0386	Energy Laboratories	C13090759-002	10/3/2013	E200.8
Jane Dough	URZJA-14-1	9/19/2013	Chloride	mg/L	6	Energy Laboratories	C13090759-002	9/24/2013	E300.0
Jane Dough	URZJA-14-1	9/19/2013	Sulfate	mg/L	92	Energy Laboratories	C13090759-002	9/24/2013	E300.0
Jane Dough	URZJA-14-1	9/19/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C13090759-002	9/24/2013	E353.2
Jane Dough	URZJA-14-1	9/19/2013	Gross Alpha	pCi/L	64.4	Energy Laboratories	C13090759-002	9/28/2013	E900.0
Jane Dough	URZJA-14-1	9/19/2013	Gross Alpha MDC	pCi/L	2.0	Energy Laboratories	C13090759-002	9/28/2013	E900.0
Jane Dough	URZJA-14-1	9/19/2013	Gross Alpha precision (±)	pCi/L	2.9	Energy Laboratories	C13090759-002	9/28/2013	E900.0
Jane Dough	URZJA-14-1	9/19/2013	Gross Beta	pCi/L	8.1	Energy Laboratories	C13090759-002	9/28/2013	E900.0
Jane Dough	URZJA-14-1	9/19/2013	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C13090759-002	9/28/2013	E900.0
Jane Dough	URZJA-14-1	9/19/2013	Gross Beta precision (±)	pCi/L	1.8	Energy Laboratories	C13090759-002	9/28/2013	E900.0
Jane Dough	URZJA-14-1	9/19/2013	Radium 226	pCi/L	5.8	Energy Laboratories	C13090759-002	10/8/2013	E903.0
Jane Dough	URZJA-14-1	9/19/2013	Radium 226 MDC	pCi/L	0.17	Energy Laboratories	C13090759-002	10/8/2013	E903.0
Jane Dough	URZJA-14-1	9/19/2013	Radium 226 precision (±)	pCi/L	0.50	Energy Laboratories	C13090759-002	10/8/2013	E903.0
Jane Dough	URZJA-14-1	9/19/2013	Radium 228	pCi/L	0.40	Energy Laboratories	C13090759-002	10/2/2013	RA-05
Jane Dough	URZJA-14-1	9/19/2013	Radium 228 MDC	pCi/L	1.4	Energy Laboratories	C13090759-002	10/2/2013	RA-05
Jane Dough	URZJA-14-1	9/19/2013	Radium 228 precision (±)	pCi/L	0.83	Energy Laboratories	C13090759-002	10/2/2013	RA-05
Jane Dough	URZJA-14-1	9/19/2013	Sodium Adsorption Ratio (SAR)	unitless	8.6	Energy Laboratories	C13090759-002	9/30/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-14-1	11/6/2013	A/C Balance (± 5)	%	0.880	Energy Laboratories	C13110293-001	12/2/2013	A1030 E
Jane Dough	URZJA-14-1	11/6/2013	Anions	meq/L	5.03	Energy Laboratories	C13110293-001	12/2/2013	A1030 E
Jane Dough	URZJA-14-1	11/6/2013	Cations	meq/L	5.12	Energy Laboratories	C13110293-001	12/2/2013	A1030 E
Jane Dough	URZJA-14-1	11/6/2013	Solids, Total Dissolved Calculated	mg/L	320	Energy Laboratories	C13110293-001	12/2/2013	A1030 E
Jane Dough	URZJA-14-1	11/6/2013	TDS Balance (0.80 - 1.20)		0.960	Energy Laboratories	C13110293-001	12/2/2013	A1030 E
Jane Dough	URZJA-14-1	11/6/2013	Alkalinity, Total as CaCO3	mg/L	143	Energy Laboratories	C13110293-001	11/7/2013	A2320 B
Jane Dough	URZJA-14-1	11/6/2013	Bicarbonate as HCO3	mg/L	155	Energy Laboratories	C13110293-001	11/7/2013	A2320 B
Jane Dough	URZJA-14-1	11/6/2013	Carbonate as CO3	mg/L	9	Energy Laboratories	C13110293-001	11/7/2013	A2320 B
Jane Dough	URZJA-14-1	11/6/2013	Conductivity @ 25 C	umhos/cm	492	Energy Laboratories	C13110293-001	11/8/2013	A2510 B
Jane Dough	URZJA-14-1	11/6/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	304	Energy Laboratories	C13110293-001	11/8/2013	A2540 C
Jane Dough	URZJA-14-1	11/6/2013	Fluoride	mg/L	0.4	Energy Laboratories	C13110293-001	11/11/2013	A4500-F C
Jane Dough	URZJA-14-1	11/6/2013	pH	s.u.	9.0	Energy Laboratories	C13110293-001	11/8/2013	A4500-H B
Jane Dough	URZJA-14-1	11/6/2013	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C13110293-001	11/8/2013	A4500-NH3 G
Jane Dough	URZJA-14-1	11/6/2013	Aluminum	mg/L	ND	Energy Laboratories	C13110293-001	11/26/2013	E200.7
Jane Dough	URZJA-14-1	11/6/2013	Barium	mg/L	ND	Energy Laboratories	C13110293-001	11/26/2013	E200.7
Jane Dough	URZJA-14-1	11/6/2013	Boron	mg/L	ND	Energy Laboratories	C13110293-001	11/26/2013	E200.7
Jane Dough	URZJA-14-1	11/6/2013	Cadmium	mg/L	ND	Energy Laboratories	C13110293-001	11/26/2013	E200.7
Jane Dough	URZJA-14-1	11/6/2013	Calcium	mg/L	7	Energy Laboratories	C13110293-001	11/26/2013	E200.7
Jane Dough	URZJA-14-1	11/6/2013	Calcium, SAR	meq/L	0.37	Energy Laboratories	C13110293-001	11/26/2013	E200.7
Jane Dough	URZJA-14-1	11/6/2013	Chromium	mg/L	ND	Energy Laboratories	C13110293-001	11/26/2013	E200.7
Jane Dough	URZJA-14-1	11/6/2013	Copper	mg/L	ND	Energy Laboratories	C13110293-001	11/26/2013	E200.7
Jane Dough	URZJA-14-1	11/6/2013	Iron	mg/L	ND	Energy Laboratories	C13110293-001	11/26/2013	E200.7
Jane Dough	URZJA-14-1	11/6/2013	Magnesium	mg/L	ND	Energy Laboratories	C13110293-001	11/26/2013	E200.7
Jane Dough	URZJA-14-1	11/6/2013	Magnesium, SAR	meq/L	ND	Energy Laboratories	C13110293-001	11/26/2013	E200.7
Jane Dough	URZJA-14-1	11/6/2013	Manganese	mg/L	ND	Energy Laboratories	C13110293-001	11/26/2013	E200.7
Jane Dough	URZJA-14-1	11/6/2013	Molybdenum	mg/L	ND	Energy Laboratories	C13110293-001	11/26/2013	E200.7
Jane Dough	URZJA-14-1	11/6/2013	Nickel	mg/L	ND	Energy Laboratories	C13110293-001	11/26/2013	E200.7
Jane Dough	URZJA-14-1	11/6/2013	Potassium	mg/L	3	Energy Laboratories	C13110293-001	11/26/2013	E200.7
Jane Dough	URZJA-14-1	11/6/2013	Silica	mg/L	9.8	Energy Laboratories	C13110293-001	11/26/2013	E200.7
Jane Dough	URZJA-14-1	11/6/2013	Sodium	mg/L	106	Energy Laboratories	C13110293-001	11/26/2013	E200.7
Jane Dough	URZJA-14-1	11/6/2013	Sodium, SAR	meq/L	4.61	Energy Laboratories	C13110293-001	11/26/2013	E200.7
Jane Dough	URZJA-14-1	11/6/2013	Vanadium	mg/L	ND	Energy Laboratories	C13110293-001	11/26/2013	E200.7
Jane Dough	URZJA-14-1	11/6/2013	Zinc	mg/L	ND	Energy Laboratories	C13110293-001	11/26/2013	E200.7
Jane Dough	URZJA-14-1	11/6/2013	Arsenic	mg/L	0.003	Energy Laboratories	C13110293-001	11/27/2013	E200.8
Jane Dough	URZJA-14-1	11/6/2013	Iron	mg/L	ND	Energy Laboratories	C13110293-001	11/13/2013	E200.8
Jane Dough	URZJA-14-1	11/6/2013	Lead	mg/L	ND	Energy Laboratories	C13110293-001	11/27/2013	E200.8
Jane Dough	URZJA-14-1	11/6/2013	Manganese	mg/L	ND	Energy Laboratories	C13110293-001	11/13/2013	E200.8
Jane Dough	URZJA-14-1	11/6/2013	Mercury	mg/L	ND	Energy Laboratories	C13110293-001	11/27/2013	E200.8
Jane Dough	URZJA-14-1	11/6/2013	Selenium	mg/L	ND	Energy Laboratories	C13110293-001	11/27/2013	E200.8
Jane Dough	URZJA-14-1	11/6/2013	Uranium	mg/L	0.0284	Energy Laboratories	C13110293-001	11/27/2013	E200.8
Jane Dough	URZJA-14-1	11/6/2013	Uranium	mg/L	0.0296	Energy Laboratories	C13110293-001	11/13/2013	E200.8
Jane Dough	URZJA-14-1	11/6/2013	Chloride	mg/L	6	Energy Laboratories	C13110293-001	11/11/2013	E300.0
Jane Dough	URZJA-14-1	11/6/2013	Sulfate	mg/L	95	Energy Laboratories	C13110293-001	11/11/2013	E300.0
Jane Dough	URZJA-14-1	11/6/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C13110293-001	11/11/2013	E353.2
Jane Dough	URZJA-14-1	11/6/2013	Gross Alpha	pCi/L	63.5	Energy Laboratories	C13110293-001	11/27/2013	E900.0
Jane Dough	URZJA-14-1	11/6/2013	Gross Alpha MDC	pCi/L	1.6	Energy Laboratories	C13110293-001	11/27/2013	E900.0
Jane Dough	URZJA-14-1	11/6/2013	Gross Alpha precision (±)	pCi/L	2.8	Energy Laboratories	C13110293-001	11/27/2013	E900.0
Jane Dough	URZJA-14-1	11/6/2013	Gross Beta	pCi/L	20.4	Energy Laboratories	C13110293-001	11/27/2013	E900.0
Jane Dough	URZJA-14-1	11/6/2013	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C13110293-001	11/27/2013	E900.0
Jane Dough	URZJA-14-1	11/6/2013	Gross Beta precision (±)	pCi/L	2.0	Energy Laboratories	C13110293-001	11/27/2013	E900.0
Jane Dough	URZJA-14-1	11/6/2013	Radium 226	pCi/L	3.6	Energy Laboratories	C13110293-001	11/25/2013	E903.0
Jane Dough	URZJA-14-1	11/6/2013	Radium 226 MDC	pCi/L	0.18	Energy Laboratories	C13110293-001	11/25/2013	E903.0
Jane Dough	URZJA-14-1	11/6/2013	Radium 226 precision (±)	pCi/L	0.39	Energy Laboratories	C13110293-001	11/25/2013	E903.0
Jane Dough	URZJA-14-1	11/6/2013	Radium 228	pCi/L	0.92	Energy Laboratories	C13110293-001	11/20/2013	RA-05
Jane Dough	URZJA-14-1	11/6/2013	Radium 228 MDC	pCi/L	1.6	Energy Laboratories	C13110293-001	11/20/2013	RA-05
Jane Dough	URZJA-14-1	11/6/2013	Radium 228 precision (±)	pCi/L	1.0	Energy Laboratories	C13110293-001	11/20/2013	RA-05
Jane Dough	URZJA-14-1	11/6/2013	Sodium Adsorption Ratio (SAR)	unitless	9.9	Energy Laboratories	C13110293-001	11/26/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-19	3/14/2012	Bicarbonate as HCO3	mg/L	97	Energy Laboratories	C12030580-003	3/16/2012	A2320 B
Jane Dough	URZJA-19	3/14/2012	Carbonate as CO3	mg/L	41	Energy Laboratories	C12030580-003	3/16/2012	A2320 B
Jane Dough	URZJA-19	3/14/2012	Conductivity @ 25 C	umhos/cm	552	Energy Laboratories	C12030580-003	3/16/2012	A2510 B
Jane Dough	URZJA-19	3/14/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	347	Energy Laboratories	C12030580-003	3/16/2012	A2540 C
Jane Dough	URZJA-19	3/14/2012	Fluoride	mg/L	0.3	Energy Laboratories	C12030580-003	3/16/2012	A4500-F C
Jane Dough	URZJA-19	3/14/2012	pH	s.u.	9.94	Energy Laboratories	C12030580-003	3/16/2012	A4500-H B
Jane Dough	URZJA-19	3/14/2012	Nitrogen, Ammonia as N	mg/L	0.07	Energy Laboratories	C12030580-003	3/20/2012	A4500-NH3 G
Jane Dough	URZJA-19	3/14/2012	A/C Balance (± 5)	%	0.384	Energy Laboratories	C12030580-003	3/21/2012	Calculation
Jane Dough	URZJA-19	3/14/2012	Anions	meq/L	5.26	Energy Laboratories	C12030580-003	3/21/2012	Calculation
Jane Dough	URZJA-19	3/14/2012	Cations	meq/L	5.30	Energy Laboratories	C12030580-003	3/21/2012	Calculation
Jane Dough	URZJA-19	3/14/2012	Sodium Adsorption Ratio (SAR)	unitless	15.4	Energy Laboratories	C12030580-003	3/19/2012	Calculation
Jane Dough	URZJA-19	3/14/2012	Solids, Total Dissolved Calculated	mg/L	340	Energy Laboratories	C12030580-003	3/21/2012	Calculation
Jane Dough	URZJA-19	3/14/2012	Boron	mg/L	ND	Energy Laboratories	C12030580-003	3/19/2012	E200.7
Jane Dough	URZJA-19	3/14/2012	Calcium	mg/L	3	Energy Laboratories	C12030580-003	3/19/2012	E200.7
Jane Dough	URZJA-19	3/14/2012	Calcium, SAR	meq/L	0.17	Energy Laboratories	C12030580-003	3/19/2012	E200.7
Jane Dough	URZJA-19	3/14/2012	Iron	mg/L	ND	Energy Laboratories	C12030580-003	3/19/2012	E200.7
Jane Dough	URZJA-19	3/14/2012	Iron	mg/L	ND	Energy Laboratories	C12030580-003	3/19/2012	E200.7
Jane Dough	URZJA-19	3/14/2012	Magnesium	mg/L	ND	Energy Laboratories	C12030580-003	3/19/2012	E200.7
Jane Dough	URZJA-19	3/14/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12030580-003	3/19/2012	E200.7
Jane Dough	URZJA-19	3/14/2012	Manganese	mg/L	ND	Energy Laboratories	C12030580-003	3/19/2012	E200.7
Jane Dough	URZJA-19	3/14/2012	Potassium	mg/L	13	Energy Laboratories	C12030580-003	3/19/2012	E200.7
Jane Dough	URZJA-19	3/14/2012	Silica	mg/L	13.4	Energy Laboratories	C12030580-003	3/19/2012	E200.7
Jane Dough	URZJA-19	3/14/2012	Sodium	mg/L	109	Energy Laboratories	C12030580-003	3/19/2012	E200.7
Jane Dough	URZJA-19	3/14/2012	Sodium, SAR	meq/L	4.76	Energy Laboratories	C12030580-003	3/19/2012	E200.7
Jane Dough	URZJA-19	3/14/2012	Aluminum	mg/L	ND	Energy Laboratories	C12030580-003	3/17/2012	E200.8
Jane Dough	URZJA-19	3/14/2012	Arsenic	mg/L	0.002	Energy Laboratories	C12030580-003	3/17/2012	E200.8
Jane Dough	URZJA-19	3/14/2012	Barium	mg/L	ND	Energy Laboratories	C12030580-003	3/17/2012	E200.8
Jane Dough	URZJA-19	3/14/2012	Cadmium	mg/L	ND	Energy Laboratories	C12030580-003	3/17/2012	E200.8
Jane Dough	URZJA-19	3/14/2012	Chromium	mg/L	ND	Energy Laboratories	C12030580-003	3/17/2012	E200.8
Jane Dough	URZJA-19	3/14/2012	Copper	mg/L	ND	Energy Laboratories	C12030580-003	3/17/2012	E200.8
Jane Dough	URZJA-19	3/14/2012	Lead	mg/L	ND	Energy Laboratories	C12030580-003	3/17/2012	E200.8
Jane Dough	URZJA-19	3/14/2012	Manganese	mg/L	ND	Energy Laboratories	C12030580-003	3/17/2012	E200.8
Jane Dough	URZJA-19	3/14/2012	Mercury	mg/L	ND	Energy Laboratories	C12030580-003	3/17/2012	E200.8
Jane Dough	URZJA-19	3/14/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12030580-003	3/17/2012	E200.8
Jane Dough	URZJA-19	3/14/2012	Nickel	mg/L	ND	Energy Laboratories	C12030580-003	3/17/2012	E200.8
Jane Dough	URZJA-19	3/14/2012	Selenium	mg/L	ND	Energy Laboratories	C12030580-003	3/17/2012	E200.8
Jane Dough	URZJA-19	3/14/2012	Uranium	mg/L	0.0005	Energy Laboratories	C12030580-003	3/17/2012	E200.8
Jane Dough	URZJA-19	3/14/2012	Vanadium	mg/L	ND	Energy Laboratories	C12030580-003	3/17/2012	E200.8
Jane Dough	URZJA-19	3/14/2012	Zinc	mg/L	ND	Energy Laboratories	C12030580-003	3/17/2012	E200.8
Jane Dough	URZJA-19	3/14/2012	Chloride	mg/L	6	Energy Laboratories	C12030580-003	3/17/2012	E300.0
Jane Dough	URZJA-19	3/14/2012	Sulfate	mg/L	103	Energy Laboratories	C12030580-003	3/17/2012	E300.0
Jane Dough	URZJA-19	3/14/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12030580-003	3/19/2012	E353.2
Jane Dough	URZJA-19	3/14/2012	Gross Alpha	pCi/L	-0.5	Energy Laboratories	C12030580-003	3/23/2012	E900.0
Jane Dough	URZJA-19	3/14/2012	Gross Alpha MDC	pCi/L	2.5	Energy Laboratories	C12030580-003	3/23/2012	E900.0
Jane Dough	URZJA-19	3/14/2012	Gross Alpha precision (±)	pCi/L	1.5	Energy Laboratories	C12030580-003	3/23/2012	E900.0
Jane Dough	URZJA-19	3/14/2012	Gross Beta	pCi/L	8.9	Energy Laboratories	C12030580-003	3/23/2012	E900.0
Jane Dough	URZJA-19	3/14/2012	Gross Beta MDC	pCi/L	3.0	Energy Laboratories	C12030580-003	3/23/2012	E900.0
Jane Dough	URZJA-19	3/14/2012	Gross Beta precision (±)	pCi/L	1.9	Energy Laboratories	C12030580-003	3/23/2012	E900.0
Jane Dough	URZJA-19	3/14/2012	Radium 226	pCi/L	0.17	Energy Laboratories	C12030580-003	3/27/2012	E903.0
Jane Dough	URZJA-19	3/14/2012	Radium 226 MDC	pCi/L	0.14	Energy Laboratories	C12030580-003	3/27/2012	E903.0
Jane Dough	URZJA-19	3/14/2012	Radium 226 precision (±)	pCi/L	0.11	Energy Laboratories	C12030580-003	3/27/2012	E903.0
Jane Dough	URZJA-19	3/14/2012	Radium 228	pCi/L	0.3	Energy Laboratories	C12030580-003	3/22/2012	RA-05
Jane Dough	URZJA-19	3/14/2012	Radium 228 MDC	pCi/L	1.2	Energy Laboratories	C12030580-003	3/22/2012	RA-05
Jane Dough	URZJA-19	3/14/2012	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories	C12030580-003	3/22/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-19	6/29/2012	A/C Balance (± 5)	%	1.02	Energy Laboratories	C12070043-001	7/11/2012	A1030 E
Jane Dough	URZJA-19	6/29/2012	Anions	meq/L	4.93	Energy Laboratories	C12070043-001	7/11/2012	A1030 E
Jane Dough	URZJA-19	6/29/2012	Cations	meq/L	5.03	Energy Laboratories	C12070043-001	7/11/2012	A1030 E
Jane Dough	URZJA-19	6/29/2012	Solids, Total Dissolved Calculated	mg/L	320	Energy Laboratories	C12070043-001	7/11/2012	A1030 E
Jane Dough	URZJA-19	6/29/2012	TDS Balance (0.80 - 1.20)		1.08	Energy Laboratories	C12070043-001	7/11/2012	A1030 E
Jane Dough	URZJA-19	6/29/2012	Alkalinity, Total as CaCO3	mg/L	133	Energy Laboratories	C12070043-001	7/3/2012	A2320 B
Jane Dough	URZJA-19	6/29/2012	Bicarbonate as HCO3	mg/L	137	Energy Laboratories	C12070043-001	7/3/2012	A2320 B
Jane Dough	URZJA-19	6/29/2012	Carbonate as CO3	mg/L	12	Energy Laboratories	C12070043-001	7/3/2012	A2320 B
Jane Dough	URZJA-19	6/29/2012	Conductivity @ 25 C	umhos/cm	522	Energy Laboratories	C12070043-001	7/3/2012	A2510 B
Jane Dough	URZJA-19	6/29/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	342	Energy Laboratories	C12070043-001	7/3/2012	A2540 C
Jane Dough	URZJA-19	6/29/2012	Fluoride	mg/L	0.3	Energy Laboratories	C12070043-001	7/3/2012	A4500-F C
Jane Dough	URZJA-19	6/29/2012	pH	s.u.	9.44	Energy Laboratories	C12070043-001	7/3/2012	A4500-H B
Jane Dough	URZJA-19	6/29/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12070043-001	7/6/2012	A4500-NH3 G
Jane Dough	URZJA-19	6/29/2012	Iron	mg/L	ND	Energy Laboratories	C12070043-001	7/9/2012	E200.7
Jane Dough	URZJA-19	6/29/2012	Manganese	mg/L	ND	Energy Laboratories	C12070043-001	7/9/2012	E200.7
Jane Dough	URZJA-19	6/29/2012	Aluminum	mg/L	ND	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Arsenic	mg/L	0.002	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Barium	mg/L	ND	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Boron	mg/L	ND	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Cadmium	mg/L	ND	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Calcium	mg/L	5	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Calcium, SAR	meq/L	0.23	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Chromium	mg/L	ND	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Copper	mg/L	ND	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Iron	mg/L	ND	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Lead	mg/L	ND	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Magnesium	mg/L	ND	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Manganese	mg/L	ND	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Mercury	mg/L	ND	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Nickel	mg/L	ND	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Potassium	mg/L	7	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Selenium	mg/L	ND	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Silica	mg/L	11.1	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Sodium	mg/L	105	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Sodium, SAR	meq/L	4.58	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Uranium	mg/L	0.0006	Energy Laboratories	C12070043-001	7/12/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Vanadium	mg/L	ND	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Zinc	mg/L	ND	Energy Laboratories	C12070043-001	7/10/2012	E200.8
Jane Dough	URZJA-19	6/29/2012	Chloride	mg/L	6	Energy Laboratories	C12070043-001	7/7/2012	E300.0
Jane Dough	URZJA-19	6/29/2012	Sulfate	mg/L	101	Energy Laboratories	C12070043-001	7/7/2012	E300.0
Jane Dough	URZJA-19	6/29/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12070043-001	7/3/2012	E353.2
Jane Dough	URZJA-19	6/29/2012	Gross Alpha	pCi/L	-0.7	Energy Laboratories	C12070043-001	7/14/2012	E900.0
Jane Dough	URZJA-19	6/29/2012	Gross Alpha MDC	pCi/L	1.6	Energy Laboratories	C12070043-001	7/14/2012	E900.0
Jane Dough	URZJA-19	6/29/2012	Gross Alpha precision (±)	pCi/L	0.9	Energy Laboratories	C12070043-001	7/14/2012	E900.0
Jane Dough	URZJA-19	6/29/2012	Gross Beta	pCi/L	1.1	Energy Laboratories	C12070043-001	7/14/2012	E900.0
Jane Dough	URZJA-19	6/29/2012	Gross Beta MDC	pCi/L	3.9	Energy Laboratories	C12070043-001	7/14/2012	E900.0
Jane Dough	URZJA-19	6/29/2012	Gross Beta precision (±)	pCi/L	2.3	Energy Laboratories	C12070043-001	7/14/2012	E900.0
Jane Dough	URZJA-19	6/29/2012	Radium 226	pCi/L	0.11	Energy Laboratories	C12070043-001	7/24/2012	E903.0
Jane Dough	URZJA-19	6/29/2012	Radium 226 MDC	pCi/L	0.13	Energy Laboratories	C12070043-001	7/24/2012	E903.0
Jane Dough	URZJA-19	6/29/2012	Radium 226 precision (±)	pCi/L	0.09	Energy Laboratories	C12070043-001	7/24/2012	E903.0
Jane Dough	URZJA-19	6/29/2012	Radium 228	pCi/L	-0.5	Energy Laboratories	C12070043-001	7/17/2012	RA-05
Jane Dough	URZJA-19	6/29/2012	Radium 228 MDC	pCi/L	1.4	Energy Laboratories	C12070043-001	7/17/2012	RA-05
Jane Dough	URZJA-19	6/29/2012	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories	C12070043-001	7/17/2012	RA-05
Jane Dough	URZJA-19	6/29/2012	Sodium Adsorption Ratio (SAR)	unitless	12.4	Energy Laboratories	C12070043-001	7/10/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-19	7/17/2012	A/C Balance (± 5)	%	3.30	Energy Laboratories	C12070590-001	7/27/2012	A1030 E
Jane Dough	URZJA-19	7/17/2012	Anions	meq/L	5.07	Energy Laboratories	C12070590-001	7/27/2012	A1030 E
Jane Dough	URZJA-19	7/17/2012	Cations	meq/L	5.42	Energy Laboratories	C12070590-001	7/27/2012	A1030 E
Jane Dough	URZJA-19	7/17/2012	Solids, Total Dissolved Calculated	mg/L	330	Energy Laboratories	C12070590-001	7/27/2012	A1030 E
Jane Dough	URZJA-19	7/17/2012	TDS Balance (0.80 - 1.20)		0.960	Energy Laboratories	C12070590-001	7/27/2012	A1030 E
Jane Dough	URZJA-19	7/17/2012	Bicarbonate as HCO3	mg/L	138	Energy Laboratories	C12070590-001	7/18/2012	A2320 B
Jane Dough	URZJA-19	7/17/2012	Carbonate as CO3	mg/L	13	Energy Laboratories	C12070590-001	7/18/2012	A2320 B
Jane Dough	URZJA-19	7/17/2012	Conductivity @ 25 C	umhos/cm	524	Energy Laboratories	C12070590-001	7/19/2012	A2510 B
Jane Dough	URZJA-19	7/17/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	320	Energy Laboratories	C12070590-001	7/19/2012	A2540 C
Jane Dough	URZJA-19	7/17/2012	Fluoride	mg/L	0.3	Energy Laboratories	C12070590-001	7/19/2012	A4500-F C
Jane Dough	URZJA-19	7/17/2012	pH	s.u.	9.31	Energy Laboratories	C12070590-001	7/19/2012	A4500-H B
Jane Dough	URZJA-19	7/17/2012	Nitrogen, Ammonia as N	mg/L	0.06	Energy Laboratories	C12070590-001	7/20/2012	A4500-NH3 G
Jane Dough	URZJA-19	7/17/2012	Aluminum	mg/L	ND	Energy Laboratories	C12070590-001	7/23/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Barium	mg/L	ND	Energy Laboratories	C12070590-001	7/23/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Boron	mg/L	ND	Energy Laboratories	C12070590-001	7/23/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Cadmium	mg/L	ND	Energy Laboratories	C12070590-001	7/23/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Calcium	mg/L	6	Energy Laboratories	C12070590-001	7/23/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Calcium, SAR	meq/L	0.32	Energy Laboratories	C12070590-001	7/23/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Chromium	mg/L	ND	Energy Laboratories	C12070590-001	7/23/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Copper	mg/L	ND	Energy Laboratories	C12070590-001	7/23/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Iron	mg/L	ND	Energy Laboratories	C12070590-001	7/23/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Iron	mg/L	ND	Energy Laboratories	C12070590-001	7/23/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Magnesium	mg/L	ND	Energy Laboratories	C12070590-001	7/23/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12070590-001	7/23/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Manganese	mg/L	ND	Energy Laboratories	C12070590-001	7/23/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Manganese	mg/L	ND	Energy Laboratories	C12070590-001	7/23/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12070590-001	7/23/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Nickel	mg/L	ND	Energy Laboratories	C12070590-001	7/23/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Potassium	mg/L	6	Energy Laboratories	C12070590-001	7/24/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Silica	mg/L	12.0	Energy Laboratories	C12070590-001	7/23/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Sodium	mg/L	112	Energy Laboratories	C12070590-001	7/24/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Sodium, SAR	meq/L	4.88	Energy Laboratories	C12070590-001	7/24/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Vanadium	mg/L	ND	Energy Laboratories	C12070590-001	7/23/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Zinc	mg/L	ND	Energy Laboratories	C12070590-001	7/23/2012	E200.7
Jane Dough	URZJA-19	7/17/2012	Arsenic	mg/L	0.002	Energy Laboratories	C12070590-001	8/8/2012	E200.8
Jane Dough	URZJA-19	7/17/2012	Lead	mg/L	ND	Energy Laboratories	C12070590-001	8/8/2012	E200.8
Jane Dough	URZJA-19	7/17/2012	Mercury	mg/L	ND	Energy Laboratories	C12070590-001	8/8/2012	E200.8
Jane Dough	URZJA-19	7/17/2012	Selenium	mg/L	ND	Energy Laboratories	C12070590-001	8/8/2012	E200.8
Jane Dough	URZJA-19	7/17/2012	Uranium	mg/L	0.0013	Energy Laboratories	C12070590-001	8/8/2012	E200.8
Jane Dough	URZJA-19	7/17/2012	Chloride	mg/L	6	Energy Laboratories	C12070590-001	7/21/2012	E300.0
Jane Dough	URZJA-19	7/17/2012	Sulfate	mg/L	106	Energy Laboratories	C12070590-001	7/21/2012	E300.0
Jane Dough	URZJA-19	7/17/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12070590-001	7/23/2012	E353.2
Jane Dough	URZJA-19	7/17/2012	Gross Alpha	pCi/L	0.2	Energy Laboratories	C12070590-001	7/26/2012	E900.0
Jane Dough	URZJA-19	7/17/2012	Gross Alpha MDC	pCi/L	1.6	Energy Laboratories	C12070590-001	7/26/2012	E900.0
Jane Dough	URZJA-19	7/17/2012	Gross Alpha precision (±)	pCi/L	1	Energy Laboratories	C12070590-001	7/26/2012	E900.0
Jane Dough	URZJA-19	7/17/2012	Gross Beta	pCi/L	1.7	Energy Laboratories	C12070590-001	7/26/2012	E900.0
Jane Dough	URZJA-19	7/17/2012	Gross Beta MDC	pCi/L	2.7	Energy Laboratories	C12070590-001	7/26/2012	E900.0
Jane Dough	URZJA-19	7/17/2012	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C12070590-001	7/26/2012	E900.0
Jane Dough	URZJA-19	7/17/2012	Radium 226	pCi/L	0.12	Energy Laboratories	C12070590-001	8/1/2012	E903.0
Jane Dough	URZJA-19	7/17/2012	Radium 226 MDC	pCi/L	0.17	Energy Laboratories	C12070590-001	8/1/2012	E903.0
Jane Dough	URZJA-19	7/17/2012	Radium 226 precision (±)	pCi/L	0.11	Energy Laboratories	C12070590-001	8/1/2012	E903.0
Jane Dough	URZJA-19	7/17/2012	Radium 228	pCi/L	-0.3	Energy Laboratories	C12070590-001	7/26/2012	RA-05
Jane Dough	URZJA-19	7/17/2012	Radium 228 MDC	pCi/L	1.3	Energy Laboratories	C12070590-001	7/26/2012	RA-05
Jane Dough	URZJA-19	7/17/2012	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C12070590-001	7/26/2012	RA-05
Jane Dough	URZJA-19	7/17/2012	Sodium Adsorption Ratio (SAR)	unitless	11.2	Energy Laboratories	C12070590-001	7/24/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-19	11/13/2012	A/C Balance (± 5)	%	-2.74	Energy Laboratories	C12110572-003	11/29/2012	A1030 E
Jane Dough	URZJA-19	11/13/2012	Anions	meq/L	5.01	Energy Laboratories	C12110572-003	11/29/2012	A1030 E
Jane Dough	URZJA-19	11/13/2012	Cations	meq/L	4.74	Energy Laboratories	C12110572-003	11/29/2012	A1030 E
Jane Dough	URZJA-19	11/13/2012	Solids, Total Dissolved Calculated	mg/L	310	Energy Laboratories	C12110572-003	11/29/2012	A1030 E
Jane Dough	URZJA-19	11/13/2012	TDS Balance (0.80 - 1.20)		0.970	Energy Laboratories	C12110572-003	11/29/2012	A1030 E
Jane Dough	URZJA-19	11/13/2012	Alkalinity, Total as CaCO3	mg/L	132	Energy Laboratories	C12110572-003	11/15/2012	A2320 B
Jane Dough	URZJA-19	11/13/2012	Bicarbonate as HCO3	mg/L	151	Energy Laboratories	C12110572-003	11/15/2012	A2320 B
Jane Dough	URZJA-19	11/13/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12110572-003	11/15/2012	A2320 B
Jane Dough	URZJA-19	11/13/2012	Conductivity @ 25 C	umhos/cm	510	Energy Laboratories	C12110572-003	11/14/2012	A2510 B
Jane Dough	URZJA-19	11/13/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	305	Energy Laboratories	C12110572-003	11/14/2012	A2540 C
Jane Dough	URZJA-19	11/13/2012	Fluoride	mg/L	0.3	Energy Laboratories	C12110572-003	11/16/2012	A4500-F C
Jane Dough	URZJA-19	11/13/2012	pH	s.u.	8.92	Energy Laboratories	C12110572-003	11/14/2012	A4500-H B
Jane Dough	URZJA-19	11/13/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12110572-003	11/19/2012	A4500-NH3 G
Jane Dough	URZJA-19	11/13/2012	Aluminum	mg/L	ND	Energy Laboratories	C12110572-003	11/27/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Barium	mg/L	ND	Energy Laboratories	C12110572-003	11/27/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Boron	mg/L	ND	Energy Laboratories	C12110572-003	11/27/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Cadmium	mg/L	ND	Energy Laboratories	C12110572-003	11/27/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Calcium	mg/L	7	Energy Laboratories	C12110572-003	11/27/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Calcium, SAR	meq/L	0.34	Energy Laboratories	C12110572-003	11/27/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Chromium	mg/L	ND	Energy Laboratories	C12110572-003	11/27/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Copper	mg/L	ND	Energy Laboratories	C12110572-003	11/27/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Iron	mg/L	ND	Energy Laboratories	C12110572-003	11/27/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Iron	mg/L	ND	Energy Laboratories	C12110572-003	11/20/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Magnesium	mg/L	ND	Energy Laboratories	C12110572-003	11/27/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12110572-003	11/27/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Manganese	mg/L	ND	Energy Laboratories	C12110572-003	11/27/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Manganese	mg/L	ND	Energy Laboratories	C12110572-003	11/20/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12110572-003	11/27/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Potassium	mg/L	2	Energy Laboratories	C12110572-003	11/27/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Silica	mg/L	10.8	Energy Laboratories	C12110572-003	11/27/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Sodium	mg/L	98	Energy Laboratories	C12110572-003	11/27/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Sodium, SAR	meq/L	4.27	Energy Laboratories	C12110572-003	11/27/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Vanadium	mg/L	ND	Energy Laboratories	C12110572-003	11/27/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Zinc	mg/L	ND	Energy Laboratories	C12110572-003	11/27/2012	E200.7
Jane Dough	URZJA-19	11/13/2012	Arsenic	mg/L	0.002	Energy Laboratories	C12110572-003	11/27/2012	E200.8
Jane Dough	URZJA-19	11/13/2012	Lead	mg/L	ND	Energy Laboratories	C12110572-003	11/27/2012	E200.8
Jane Dough	URZJA-19	11/13/2012	Mercury	mg/L	ND	Energy Laboratories	C12110572-003	11/27/2012	E200.8
Jane Dough	URZJA-19	11/13/2012	Nickel	mg/L	ND	Energy Laboratories	C12110572-003	11/27/2012	E200.8
Jane Dough	URZJA-19	11/13/2012	Selenium	mg/L	ND	Energy Laboratories	C12110572-003	11/27/2012	E200.8
Jane Dough	URZJA-19	11/13/2012	Uranium	mg/L	0.0011	Energy Laboratories	C12110572-003	11/27/2012	E200.8
Jane Dough	URZJA-19	11/13/2012	Chloride	mg/L	6	Energy Laboratories	C12110572-003	11/15/2012	E300.0
Jane Dough	URZJA-19	11/13/2012	Sulfate	mg/L	105	Energy Laboratories	C12110572-003	11/15/2012	E300.0
Jane Dough	URZJA-19	11/13/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12110572-003	11/14/2012	E353.2
Jane Dough	URZJA-19	11/13/2012	Gross Alpha	pCi/L	1.7	Energy Laboratories	C12110572-003	12/6/2012	E900.0
Jane Dough	URZJA-19	11/13/2012	Gross Alpha MDC	pCi/L	1.7	Energy Laboratories	C12110572-003	12/6/2012	E900.0
Jane Dough	URZJA-19	11/13/2012	Gross Alpha precision (±)	pCi/L	1.1	Energy Laboratories	C12110572-003	12/6/2012	E900.0
Jane Dough	URZJA-19	11/13/2012	Gross Beta	pCi/L	0.3	Energy Laboratories	C12110572-003	12/6/2012	E900.0
Jane Dough	URZJA-19	11/13/2012	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C12110572-003	12/6/2012	E900.0
Jane Dough	URZJA-19	11/13/2012	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C12110572-003	12/6/2012	E900.0
Jane Dough	URZJA-19	11/13/2012	Radium 226	pCi/L	-0.1	Energy Laboratories	C12110572-003	12/4/2012	E903.0
Jane Dough	URZJA-19	11/13/2012	Radium 226 MDC	pCi/L	0.19	Energy Laboratories	C12110572-003	12/4/2012	E903.0
Jane Dough	URZJA-19	11/13/2012	Radium 226 precision (±)	pCi/L	0.08	Energy Laboratories	C12110572-003	12/4/2012	E903.0
Jane Dough	URZJA-19	11/13/2012	Radium 228	pCi/L	1.6	Energy Laboratories	C12110572-003	11/28/2012	RA-05
Jane Dough	URZJA-19	11/13/2012	Radium 228 MDC	pCi/L	1.4	Energy Laboratories	C12110572-003	11/28/2012	RA-05
Jane Dough	URZJA-19	11/13/2012	Radium 228 precision (±)	pCi/L	0.9	Energy Laboratories	C12110572-003	11/28/2012	RA-05
Jane Dough	URZJA-19	11/13/2012	Sodium Adsorption Ratio (SAR)	unitless	9.4	Energy Laboratories	C12110572-003	11/29/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-20	11/13/2012	A/C Balance (± 5)	%	-2.65	Energy Laboratories	C12110572-002	11/29/2012	A1030 E
Jane Dough	URZJA-20	11/13/2012	Anions	meq/L	5.19	Energy Laboratories	C12110572-002	11/29/2012	A1030 E
Jane Dough	URZJA-20	11/13/2012	Cations	meq/L	4.93	Energy Laboratories	C12110572-002	11/29/2012	A1030 E
Jane Dough	URZJA-20	11/13/2012	Solids, Total Dissolved Calculated	mg/L	320	Energy Laboratories	C12110572-002	11/29/2012	A1030 E
Jane Dough	URZJA-20	11/13/2012	TDS Balance (0.80 - 1.20)		0.980	Energy Laboratories	C12110572-002	11/29/2012	A1030 E
Jane Dough	URZJA-20	11/13/2012	Alkalinity, Total as CaCO3	mg/L	133	Energy Laboratories	C12110572-002	11/15/2012	A2320 B
Jane Dough	URZJA-20	11/13/2012	Bicarbonate as HCO3	mg/L	158	Energy Laboratories	C12110572-002	11/15/2012	A2320 B
Jane Dough	URZJA-20	11/13/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12110572-002	11/15/2012	A2320 B
Jane Dough	URZJA-20	11/13/2012	Conductivity @ 25 C	umhos/cm	528	Energy Laboratories	C12110572-002	11/14/2012	A2510 B
Jane Dough	URZJA-20	11/13/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	317	Energy Laboratories	C12110572-002	11/14/2012	A2540 C
Jane Dough	URZJA-20	11/13/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12110572-002	11/16/2012	A4500-F C
Jane Dough	URZJA-20	11/13/2012	pH	s.u.	8.74	Energy Laboratories	C12110572-002	11/14/2012	A4500-H B
Jane Dough	URZJA-20	11/13/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12110572-002	11/19/2012	A4500-NH3 G
Jane Dough	URZJA-20	11/13/2012	Aluminum	mg/L	ND	Energy Laboratories	C12110572-002	11/27/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Barium	mg/L	ND	Energy Laboratories	C12110572-002	11/27/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Boron	mg/L	ND	Energy Laboratories	C12110572-002	11/27/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Cadmium	mg/L	ND	Energy Laboratories	C12110572-002	11/27/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Calcium	mg/L	7	Energy Laboratories	C12110572-002	11/27/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Calcium, SAR	meq/L	0.37	Energy Laboratories	C12110572-002	11/27/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Chromium	mg/L	ND	Energy Laboratories	C12110572-002	11/27/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Copper	mg/L	ND	Energy Laboratories	C12110572-002	11/27/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Iron	mg/L	ND	Energy Laboratories	C12110572-002	11/27/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Iron	mg/L	ND	Energy Laboratories	C12110572-002	11/20/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Magnesium	mg/L	ND	Energy Laboratories	C12110572-002	11/27/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12110572-002	11/27/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Manganese	mg/L	ND	Energy Laboratories	C12110572-002	11/27/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Manganese	mg/L	0.01	Energy Laboratories	C12110572-002	11/20/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12110572-002	11/27/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Potassium	mg/L	2	Energy Laboratories	C12110572-002	11/27/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Silica	mg/L	9.1	Energy Laboratories	C12110572-002	11/27/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Sodium	mg/L	102	Energy Laboratories	C12110572-002	11/27/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Sodium, SAR	meq/L	4.43	Energy Laboratories	C12110572-002	11/27/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Vanadium	mg/L	ND	Energy Laboratories	C12110572-002	11/27/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Zinc	mg/L	ND	Energy Laboratories	C12110572-002	11/27/2012	E200.7
Jane Dough	URZJA-20	11/13/2012	Arsenic	mg/L	0.002	Energy Laboratories	C12110572-002	11/27/2012	E200.8
Jane Dough	URZJA-20	11/13/2012	Lead	mg/L	ND	Energy Laboratories	C12110572-002	11/27/2012	E200.8
Jane Dough	URZJA-20	11/13/2012	Mercury	mg/L	ND	Energy Laboratories	C12110572-002	11/27/2012	E200.8
Jane Dough	URZJA-20	11/13/2012	Nickel	mg/L	ND	Energy Laboratories	C12110572-002	11/27/2012	E200.8
Jane Dough	URZJA-20	11/13/2012	Selenium	mg/L	ND	Energy Laboratories	C12110572-002	11/27/2012	E200.8
Jane Dough	URZJA-20	11/13/2012	Uranium	mg/L	0.0144	Energy Laboratories	C12110572-002	11/27/2012	E200.8
Jane Dough	URZJA-20	11/13/2012	Chloride	mg/L	6	Energy Laboratories	C12110572-002	11/15/2012	E300.0
Jane Dough	URZJA-20	11/13/2012	Sulfate	mg/L	112	Energy Laboratories	C12110572-002	11/15/2012	E300.0
Jane Dough	URZJA-20	11/13/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12110572-002	11/14/2012	E353.2
Jane Dough	URZJA-20	11/13/2012	Gross Alpha	pCi/L	26.0	Energy Laboratories	C12110572-002	12/6/2012	E900.0
Jane Dough	URZJA-20	11/13/2012	Gross Alpha MDC	pCi/L	1.8	Energy Laboratories	C12110572-002	12/6/2012	E900.0
Jane Dough	URZJA-20	11/13/2012	Gross Alpha precision (±)	pCi/L	2.0	Energy Laboratories	C12110572-002	12/6/2012	E900.0
Jane Dough	URZJA-20	11/13/2012	Gross Beta	pCi/L	22.9	Energy Laboratories	C12110572-002	12/6/2012	E900.0
Jane Dough	URZJA-20	11/13/2012	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C12110572-002	12/6/2012	E900.0
Jane Dough	URZJA-20	11/13/2012	Gross Beta precision (±)	pCi/L	1.9	Energy Laboratories	C12110572-002	12/6/2012	E900.0
Jane Dough	URZJA-20	11/13/2012	Radium 226	pCi/L	1.3	Energy Laboratories	C12110572-002	12/4/2012	E903.0
Jane Dough	URZJA-20	11/13/2012	Radium 226 MDC	pCi/L	0.20	Energy Laboratories	C12110572-002	12/4/2012	E903.0
Jane Dough	URZJA-20	11/13/2012	Radium 226 precision (±)	pCi/L	0.28	Energy Laboratories	C12110572-002	12/4/2012	E903.0
Jane Dough	URZJA-20	11/13/2012	Radium 228	pCi/L	3.5	Energy Laboratories	C12110572-002	11/28/2012	RA-05
Jane Dough	URZJA-20	11/13/2012	Radium 228 MDC	pCi/L	1.5	Energy Laboratories	C12110572-002	11/28/2012	RA-05
Jane Dough	URZJA-20	11/13/2012	Radium 228 precision (±)	pCi/L	1.1	Energy Laboratories	C12110572-002	11/28/2012	RA-05
Jane Dough	URZJA-20	11/13/2012	Sodium Adsorption Ratio (SAR)	unitless	9.4	Energy Laboratories	C12110572-002	11/29/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-20	1/17/2013	A/C Balance (± 5)	%	3.25	Energy Laboratories	C13010558-001	1/23/2013	A1030 E
Jane Dough	URZJA-20	1/17/2013	Anions	meq/L	5.22	Energy Laboratories	C13010558-001	1/23/2013	A1030 E
Jane Dough	URZJA-20	1/17/2013	Cations	meq/L	5.57	Energy Laboratories	C13010558-001	1/23/2013	A1030 E
Jane Dough	URZJA-20	1/17/2013	Solids, Total Dissolved Calculated	mg/L	340	Energy Laboratories	C13010558-001	1/23/2013	A1030 E
Jane Dough	URZJA-20	1/17/2013	TDS Balance (0.80 - 1.20)		0.950	Energy Laboratories	C13010558-001	1/23/2013	A1030 E
Jane Dough	URZJA-20	1/17/2013	Alkalinity, Total as CaCO3	mg/L	134	Energy Laboratories	C13010558-001	1/18/2013	A2320 B
Jane Dough	URZJA-20	1/17/2013	Bicarbonate as HCO3	mg/L	157	Energy Laboratories	C13010558-001	1/18/2013	A2320 B
Jane Dough	URZJA-20	1/17/2013	Carbonate as CO3	mg/L	ND	Energy Laboratories	C13010558-001	1/18/2013	A2320 B
Jane Dough	URZJA-20	1/17/2013	Conductivity @ 25 C	umhos/cm	530	Energy Laboratories	C13010558-001	1/18/2013	A2510 B
Jane Dough	URZJA-20	1/17/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	323	Energy Laboratories	C13010558-001	1/18/2013	A2540 C
Jane Dough	URZJA-20	1/17/2013	Fluoride	mg/L	0.2	Energy Laboratories	C13010558-001	1/18/2013	A4500-F C
Jane Dough	URZJA-20	1/17/2013	pH	s.u.	8.67	Energy Laboratories	C13010558-001	1/18/2013	A4500-H B
Jane Dough	URZJA-20	1/17/2013	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C13010558-001	1/22/2013	A4500-NH3 G
Jane Dough	URZJA-20	1/17/2013	Aluminum	mg/L	ND	Energy Laboratories	C13010558-001	1/18/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Barium	mg/L	ND	Energy Laboratories	C13010558-001	1/18/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Boron	mg/L	ND	Energy Laboratories	C13010558-001	1/18/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Cadmium	mg/L	ND	Energy Laboratories	C13010558-001	1/18/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Calcium	mg/L	9	Energy Laboratories	C13010558-001	1/18/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Calcium, SAR	meq/L	0.44	Energy Laboratories	C13010558-001	1/18/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Chromium	mg/L	ND	Energy Laboratories	C13010558-001	1/18/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Copper	mg/L	ND	Energy Laboratories	C13010558-001	1/18/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Iron	mg/L	ND	Energy Laboratories	C13010558-001	1/18/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Iron	mg/L	ND	Energy Laboratories	C13010558-001	1/22/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Magnesium	mg/L	1	Energy Laboratories	C13010558-001	1/18/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Magnesium, SAR	meq/L	0.09	Energy Laboratories	C13010558-001	1/18/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Manganese	mg/L	0.01	Energy Laboratories	C13010558-001	1/18/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Manganese	mg/L	0.01	Energy Laboratories	C13010558-001	1/22/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Molybdenum	mg/L	ND	Energy Laboratories	C13010558-001	1/18/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Nickel	mg/L	ND	Energy Laboratories	C13010558-001	1/18/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Potassium	mg/L	2	Energy Laboratories	C13010558-001	1/18/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Silica	mg/L	11.6	Energy Laboratories	C13010558-001	1/18/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Sodium	mg/L	114	Energy Laboratories	C13010558-001	1/18/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Sodium, SAR	meq/L	4.98	Energy Laboratories	C13010558-001	1/18/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Vanadium	mg/L	ND	Energy Laboratories	C13010558-001	1/18/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Zinc	mg/L	ND	Energy Laboratories	C13010558-001	1/18/2013	E200.7
Jane Dough	URZJA-20	1/17/2013	Arsenic	mg/L	0.002	Energy Laboratories	C13010558-001	1/21/2013	E200.8
Jane Dough	URZJA-20	1/17/2013	Lead	mg/L	ND	Energy Laboratories	C13010558-001	1/21/2013	E200.8
Jane Dough	URZJA-20	1/17/2013	Mercury	mg/L	ND	Energy Laboratories	C13010558-001	1/21/2013	E200.8
Jane Dough	URZJA-20	1/17/2013	Selenium	mg/L	ND	Energy Laboratories	C13010558-001	1/21/2013	E200.8
Jane Dough	URZJA-20	1/17/2013	Uranium	mg/L	0.0141	Energy Laboratories	C13010558-001	1/21/2013	E200.8
Jane Dough	URZJA-20	1/17/2013	Chloride	mg/L	6	Energy Laboratories	C13010558-001	1/18/2013	E300.0
Jane Dough	URZJA-20	1/17/2013	Sulfate	mg/L	113	Energy Laboratories	C13010558-001	1/18/2013	E300.0
Jane Dough	URZJA-20	1/17/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C13010558-001	1/18/2013	E353.2
Jane Dough	URZJA-20	1/17/2013	Gross Alpha	pCi/L	24.3	Energy Laboratories	C13010558-001	1/24/2013	E900.0
Jane Dough	URZJA-20	1/17/2013	Gross Alpha MDC	pCi/L	1.7	Energy Laboratories	C13010558-001	1/24/2013	E900.0
Jane Dough	URZJA-20	1/17/2013	Gross Alpha precision (±)	pCi/L	1.9	Energy Laboratories	C13010558-001	1/24/2013	E900.0
Jane Dough	URZJA-20	1/17/2013	Gross Beta	pCi/L	12.0	Energy Laboratories	C13010558-001	1/24/2013	E900.0
Jane Dough	URZJA-20	1/17/2013	Gross Beta MDC	pCi/L	3.9	Energy Laboratories	C13010558-001	1/24/2013	E900.0
Jane Dough	URZJA-20	1/17/2013	Gross Beta precision (±)	pCi/L	2.6	Energy Laboratories	C13010558-001	1/24/2013	E900.0
Jane Dough	URZJA-20	1/17/2013	Radium 226	pCi/L	0.98	Energy Laboratories	C13010558-001	2/1/2013	E903.0
Jane Dough	URZJA-20	1/17/2013	Radium 226 MDC	pCi/L	0.16	Energy Laboratories	C13010558-001	2/1/2013	E903.0
Jane Dough	URZJA-20	1/17/2013	Radium 226 precision (±)	pCi/L	0.21	Energy Laboratories	C13010558-001	2/1/2013	E903.0
Jane Dough	URZJA-20	1/17/2013	Radium 228	pCi/L	1.2	Energy Laboratories	C13010558-001	1/27/2013	RA-05
Jane Dough	URZJA-20	1/17/2013	Radium 228 MDC	pCi/L	1.3	Energy Laboratories	C13010558-001	1/27/2013	RA-05
Jane Dough	URZJA-20	1/17/2013	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories	C13010558-001	1/27/2013	RA-05
Jane Dough	URZJA-20	1/17/2013	Sodium Adsorption Ratio (SAR)	unitless	9.7	Energy Laboratories	C13010558-001	1/23/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-20 (A)	1/17/2013	A/C Balance (± 5)	%	2.91	Energy Laboratories	C13010558-002	1/23/2013	A1030 E
Jane Dough	URZJA-20 (A)	1/17/2013	Anions	meq/L	5.24	Energy Laboratories	C13010558-002	1/23/2013	A1030 E
Jane Dough	URZJA-20 (A)	1/17/2013	Cations	meq/L	5.55	Energy Laboratories	C13010558-002	1/23/2013	A1030 E
Jane Dough	URZJA-20 (A)	1/17/2013	Solids, Total Dissolved Calculated	mg/L	340	Energy Laboratories	C13010558-002	1/23/2013	A1030 E
Jane Dough	URZJA-20 (A)	1/17/2013	TDS Balance (0.80 - 1.20)		0.950	Energy Laboratories	C13010558-002	1/23/2013	A1030 E
Jane Dough	URZJA-20 (A)	1/17/2013	Alkalinity, Total as CaCO3	mg/L	134	Energy Laboratories	C13010558-002	1/18/2013	A2320 B
Jane Dough	URZJA-20 (A)	1/17/2013	Bicarbonate as HCO3	mg/L	157	Energy Laboratories	C13010558-002	1/18/2013	A2320 B
Jane Dough	URZJA-20 (A)	1/17/2013	Carbonate as CO3	mg/L	ND	Energy Laboratories	C13010558-002	1/18/2013	A2320 B
Jane Dough	URZJA-20 (A)	1/17/2013	Conductivity @ 25 C	umhos/cm	531	Energy Laboratories	C13010558-002	1/18/2013	A2510 B
Jane Dough	URZJA-20 (A)	1/17/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	325	Energy Laboratories	C13010558-002	1/18/2013	A2540 C
Jane Dough	URZJA-20 (A)	1/17/2013	Fluoride	mg/L	0.2	Energy Laboratories	C13010558-002	1/18/2013	A4500-F C
Jane Dough	URZJA-20 (A)	1/17/2013	pH	s.u.	8.67	Energy Laboratories	C13010558-002	1/18/2013	A4500-H B
Jane Dough	URZJA-20 (A)	1/17/2013	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C13010558-002	1/22/2013	A4500-NH3 G
Jane Dough	URZJA-20 (A)	1/17/2013	Aluminum	mg/L	ND	Energy Laboratories	C13010558-002	1/18/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Barium	mg/L	ND	Energy Laboratories	C13010558-002	1/18/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Boron	mg/L	ND	Energy Laboratories	C13010558-002	1/18/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Cadmium	mg/L	ND	Energy Laboratories	C13010558-002	1/18/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Calcium	mg/L	9	Energy Laboratories	C13010558-002	1/18/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Calcium, SAR	meq/L	0.43	Energy Laboratories	C13010558-002	1/18/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Chromium	mg/L	ND	Energy Laboratories	C13010558-002	1/18/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Copper	mg/L	ND	Energy Laboratories	C13010558-002	1/18/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Iron	mg/L	ND	Energy Laboratories	C13010558-002	1/18/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Iron	mg/L	ND	Energy Laboratories	C13010558-002	1/22/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Magnesium	mg/L	1	Energy Laboratories	C13010558-002	1/18/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Magnesium, SAR	meq/L	0.08	Energy Laboratories	C13010558-002	1/18/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Manganese	mg/L	0.01	Energy Laboratories	C13010558-002	1/18/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Manganese	mg/L	0.01	Energy Laboratories	C13010558-002	1/22/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Molybdenum	mg/L	ND	Energy Laboratories	C13010558-002	1/18/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Nickel	mg/L	ND	Energy Laboratories	C13010558-002	1/18/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Potassium	mg/L	2	Energy Laboratories	C13010558-002	1/18/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Silica	mg/L	11.4	Energy Laboratories	C13010558-002	1/18/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Sodium	mg/L	114	Energy Laboratories	C13010558-002	1/18/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Sodium, SAR	meq/L	4.98	Energy Laboratories	C13010558-002	1/18/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Vanadium	mg/L	ND	Energy Laboratories	C13010558-002	1/18/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Zinc	mg/L	ND	Energy Laboratories	C13010558-002	1/18/2013	E200.7
Jane Dough	URZJA-20 (A)	1/17/2013	Arsenic	mg/L	0.002	Energy Laboratories	C13010558-002	1/21/2013	E200.8
Jane Dough	URZJA-20 (A)	1/17/2013	Lead	mg/L	ND	Energy Laboratories	C13010558-002	1/21/2013	E200.8
Jane Dough	URZJA-20 (A)	1/17/2013	Mercury	mg/L	ND	Energy Laboratories	C13010558-002	1/21/2013	E200.8
Jane Dough	URZJA-20 (A)	1/17/2013	Selenium	mg/L	ND	Energy Laboratories	C13010558-002	1/21/2013	E200.8
Jane Dough	URZJA-20 (A)	1/17/2013	Uranium	mg/L	0.0143	Energy Laboratories	C13010558-002	1/21/2013	E200.8
Jane Dough	URZJA-20 (A)	1/17/2013	Chloride	mg/L	6	Energy Laboratories	C13010558-002	1/18/2013	E300.0
Jane Dough	URZJA-20 (A)	1/17/2013	Sulfate	mg/L	113	Energy Laboratories	C13010558-002	1/18/2013	E300.0
Jane Dough	URZJA-20 (A)	1/17/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C13010558-002	1/18/2013	E353.2
Jane Dough	URZJA-20 (A)	1/17/2013	Gross Alpha	pCi/L	21.8	Energy Laboratories	C13010558-002	1/24/2013	E900.0
Jane Dough	URZJA-20 (A)	1/17/2013	Gross Alpha MDC	pCi/L	1.6	Energy Laboratories	C13010558-002	1/24/2013	E900.0
Jane Dough	URZJA-20 (A)	1/17/2013	Gross Alpha precision (±)	pCi/L	1.8	Energy Laboratories	C13010558-002	1/24/2013	E900.0
Jane Dough	URZJA-20 (A)	1/17/2013	Gross Beta	pCi/L	9.4	Energy Laboratories	C13010558-002	1/24/2013	E900.0
Jane Dough	URZJA-20 (A)	1/17/2013	Gross Beta MDC	pCi/L	2.7	Energy Laboratories	C13010558-002	1/24/2013	E900.0
Jane Dough	URZJA-20 (A)	1/17/2013	Gross Beta precision (±)	pCi/L	1.8	Energy Laboratories	C13010558-002	1/24/2013	E900.0
Jane Dough	URZJA-20 (A)	1/17/2013	Radium 226	pCi/L	1.2	Energy Laboratories	C13010558-002	2/1/2013	E903.0
Jane Dough	URZJA-20 (A)	1/17/2013	Radium 226 MDC	pCi/L	0.15	Energy Laboratories	C13010558-002	2/1/2013	E903.0
Jane Dough	URZJA-20 (A)	1/17/2013	Radium 226 precision (±)	pCi/L	0.23	Energy Laboratories	C13010558-002	2/1/2013	E903.0
Jane Dough	URZJA-20 (A)	1/17/2013	Radium 228	pCi/L	0.7	Energy Laboratories	C13010558-002	1/27/2013	RA-05
Jane Dough	URZJA-20 (A)	1/17/2013	Radium 228 MDC	pCi/L	1.2	Energy Laboratories	C13010558-002	1/27/2013	RA-05
Jane Dough	URZJA-20 (A)	1/17/2013	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories	C13010558-002	1/27/2013	RA-05
Jane Dough	URZJA-20 (A)	1/17/2013	Sodium Adsorption Ratio (SAR)	unitless	9.8	Energy Laboratories	C13010558-002	1/23/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-20	6/17/2013	A/C Balance (± 5)	%	0.309	Energy Laboratories	C13060608-003	7/1/2013	A1030 E
Jane Dough	URZJA-20	6/17/2013	Anions	meq/L	5.36	Energy Laboratories	C13060608-003	7/1/2013	A1030 E
Jane Dough	URZJA-20	6/17/2013	Cations	meq/L	5.40	Energy Laboratories	C13060608-003	7/1/2013	A1030 E
Jane Dough	URZJA-20	6/17/2013	Solids, Total Dissolved Calculated	mg/L	340	Energy Laboratories	C13060608-003	7/1/2013	A1030 E
Jane Dough	URZJA-20	6/17/2013	TDS Balance (0.80 - 1.20)		0.960	Energy Laboratories	C13060608-003	7/1/2013	A1030 E
Jane Dough	URZJA-20	6/17/2013	Alkalinity, Total as CaCO3	mg/L	141	Energy Laboratories	C13060608-003	6/18/2013	A2320 B
Jane Dough	URZJA-20	6/17/2013	Bicarbonate as HCO3	mg/L	160	Energy Laboratories	C13060608-003	6/18/2013	A2320 B
Jane Dough	URZJA-20	6/17/2013	Carbonate as CO3	mg/L	6	Energy Laboratories	C13060608-003	6/18/2013	A2320 B
Jane Dough	URZJA-20	6/17/2013	Conductivity @ 25 C	umhos/cm	511	Energy Laboratories	C13060608-003	6/18/2013	A2510 B
Jane Dough	URZJA-20	6/17/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	327	Energy Laboratories	C13060608-003	6/18/2013	A2540 C
Jane Dough	URZJA-20	6/17/2013	Fluoride	mg/L	0.2	Energy Laboratories	C13060608-003	6/19/2013	A4500-F C
Jane Dough	URZJA-20	6/17/2013	pH	s.u.	8.9	Energy Laboratories	C13060608-003	6/18/2013	A4500-H B
Jane Dough	URZJA-20	6/17/2013	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C13060608-003	6/24/2013	A4500-NH3 G
Jane Dough	URZJA-20	6/17/2013	Aluminum	mg/L	ND	Energy Laboratories	C13060608-003	6/27/2013	E200.7
Jane Dough	URZJA-20	6/17/2013	Barium	mg/L	ND	Energy Laboratories	C13060608-003	6/27/2013	E200.7
Jane Dough	URZJA-20	6/17/2013	Boron	mg/L	ND	Energy Laboratories	C13060608-003	6/27/2013	E200.7
Jane Dough	URZJA-20	6/17/2013	Cadmium	mg/L	ND	Energy Laboratories	C13060608-003	6/27/2013	E200.7
Jane Dough	URZJA-20	6/17/2013	Calcium	mg/L	8	Energy Laboratories	C13060608-003	6/27/2013	E200.7
Jane Dough	URZJA-20	6/17/2013	Chromium	mg/L	ND	Energy Laboratories	C13060608-003	6/27/2013	E200.7
Jane Dough	URZJA-20	6/17/2013	Copper	mg/L	ND	Energy Laboratories	C13060608-003	6/27/2013	E200.7
Jane Dough	URZJA-20	6/17/2013	Iron	mg/L	ND	Energy Laboratories	C13060608-003	6/27/2013	E200.7
Jane Dough	URZJA-20	6/17/2013	Iron	mg/L	ND	Energy Laboratories	C13060608-003	6/21/2013	E200.7
Jane Dough	URZJA-20	6/17/2013	Magnesium	mg/L	ND	Energy Laboratories	C13060608-003	6/27/2013	E200.7
Jane Dough	URZJA-20	6/17/2013	Manganese	mg/L	0.01	Energy Laboratories	C13060608-003	6/27/2013	E200.7
Jane Dough	URZJA-20	6/17/2013	Manganese	mg/L	0.01	Energy Laboratories	C13060608-003	6/21/2013	E200.7
Jane Dough	URZJA-20	6/17/2013	Molybdenum	mg/L	ND	Energy Laboratories	C13060608-003	6/27/2013	E200.7
Jane Dough	URZJA-20	6/17/2013	Nickel	mg/L	ND	Energy Laboratories	C13060608-003	6/27/2013	E200.7
Jane Dough	URZJA-20	6/17/2013	Potassium	mg/L	3	Energy Laboratories	C13060608-003	6/27/2013	E200.7
Jane Dough	URZJA-20	6/17/2013	Silica	mg/L	9.2	Energy Laboratories	C13060608-003	6/27/2013	E200.7
Jane Dough	URZJA-20	6/17/2013	Sodium	mg/L	112	Energy Laboratories	C13060608-003	6/27/2013	E200.7
Jane Dough	URZJA-20	6/17/2013	Vanadium	mg/L	ND	Energy Laboratories	C13060608-003	6/27/2013	E200.7
Jane Dough	URZJA-20	6/17/2013	Zinc	mg/L	ND	Energy Laboratories	C13060608-003	6/27/2013	E200.7
Jane Dough	URZJA-20	6/17/2013	Arsenic	mg/L	0.002	Energy Laboratories	C13060608-003	7/8/2013	E200.8
Jane Dough	URZJA-20	6/17/2013	Lead	mg/L	ND	Energy Laboratories	C13060608-003	7/8/2013	E200.8
Jane Dough	URZJA-20	6/17/2013	Mercury	mg/L	ND	Energy Laboratories	C13060608-003	7/8/2013	E200.8
Jane Dough	URZJA-20	6/17/2013	Selenium	mg/L	ND	Energy Laboratories	C13060608-003	7/8/2013	E200.8
Jane Dough	URZJA-20	6/17/2013	Uranium	mg/L	0.0131	Energy Laboratories	C13060608-003	7/8/2013	E200.8
Jane Dough	URZJA-20	6/17/2013	Chloride	mg/L	7	Energy Laboratories	C13060608-003	6/18/2013	E300.0
Jane Dough	URZJA-20	6/17/2013	Sulfate	mg/L	112	Energy Laboratories	C13060608-003	6/18/2013	E300.0
Jane Dough	URZJA-20	6/17/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C13060608-003	6/19/2013	E353.2
Jane Dough	URZJA-20	6/17/2013	Gross Alpha	pCi/L	26.6	Energy Laboratories	C13060608-003	6/29/2013	E900.0
Jane Dough	URZJA-20	6/17/2013	Gross Alpha MDC	pCi/L	1.9	Energy Laboratories	C13060608-003	6/29/2013	E900.0
Jane Dough	URZJA-20	6/17/2013	Gross Alpha precision (±)	pCi/L	2.0	Energy Laboratories	C13060608-003	6/29/2013	E900.0
Jane Dough	URZJA-20	6/17/2013	Gross Beta	pCi/L	6.5	Energy Laboratories	C13060608-003	6/29/2013	E900.0
Jane Dough	URZJA-20	6/17/2013	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C13060608-003	6/29/2013	E900.0
Jane Dough	URZJA-20	6/17/2013	Gross Beta precision (±)	pCi/L	1.7	Energy Laboratories	C13060608-003	6/29/2013	E900.0
Jane Dough	URZJA-20	6/17/2013	Radium 226	pCi/L	1.4	Energy Laboratories	C13060608-003	7/8/2013	E903.0
Jane Dough	URZJA-20	6/17/2013	Radium 226 MDC	pCi/L	0.22	Energy Laboratories	C13060608-003	7/8/2013	E903.0
Jane Dough	URZJA-20	6/17/2013	Radium 226 precision (±)	pCi/L	0.29	Energy Laboratories	C13060608-003	7/8/2013	E903.0
Jane Dough	URZJA-20	6/17/2013	Radium 228	pCi/L	0.24	Energy Laboratories	C13060608-003	7/1/2013	RA-05
Jane Dough	URZJA-20	6/17/2013	Radium 228 MDC	pCi/L	1.6	Energy Laboratories	C13060608-003	7/1/2013	RA-05
Jane Dough	URZJA-20	6/17/2013	Radium 228 precision (±)	pCi/L	0.99	Energy Laboratories	C13060608-003	7/1/2013	RA-05
Jane Dough	URZJA-20	6/17/2013	Sodium Adsorption Ratio (SAR)	unitless	10.3	Energy Laboratories	C13060608-003	6/27/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJA-20	9/5/2013	A/C Balance (± 5)	%	0.342	Energy Laboratories	C13090186-002	9/20/2013	A1030 E
Jane Dough	URZJA-20	9/5/2013	Anions	meq/L	5.21	Energy Laboratories	C13090186-002	9/20/2013	A1030 E
Jane Dough	URZJA-20	9/5/2013	Cations	meq/L	5.24	Energy Laboratories	C13090186-002	9/20/2013	A1030 E
Jane Dough	URZJA-20	9/5/2013	Solids, Total Dissolved Calculated	mg/L	330	Energy Laboratories	C13090186-002	9/20/2013	A1030 E
Jane Dough	URZJA-20	9/5/2013	TDS Balance (0.80 - 1.20)		1.00	Energy Laboratories	C13090186-002	9/20/2013	A1030 E
Jane Dough	URZJA-20	9/5/2013	Bicarbonate as HCO3	mg/L	157	Energy Laboratories	C13090186-002	9/6/2013	A2320 B
Jane Dough	URZJA-20	9/5/2013	Carbonate as CO3	mg/L	5	Energy Laboratories	C13090186-002	9/6/2013	A2320 B
Jane Dough	URZJA-20	9/5/2013	Conductivity @ 25 C	umhos/cm	523	Energy Laboratories	C13090186-002	9/6/2013	A2510 B
Jane Dough	URZJA-20	9/5/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	328	Energy Laboratories	C13090186-002	9/6/2013	A2540 C
Jane Dough	URZJA-20	9/5/2013	Fluoride	mg/L	0.3	Energy Laboratories	C13090186-002	9/9/2013	A4500-F C
Jane Dough	URZJA-20	9/5/2013	pH	s.u.	8.83	Energy Laboratories	C13090186-002	9/6/2013	A4500-H B
Jane Dough	URZJA-20	9/5/2013	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C13090186-002	9/6/2013	A4500-NH3 G
Jane Dough	URZJA-20	9/5/2013	Calcium	mg/L	8	Energy Laboratories	C13090186-002	9/18/2013	E200.7
Jane Dough	URZJA-20	9/5/2013	Calcium, SAR	meq/L	0.38	Energy Laboratories	C13090186-002	9/18/2013	E200.7
Jane Dough	URZJA-20	9/5/2013	Iron	mg/L	ND	Energy Laboratories	C13090186-002	9/11/2013	E200.7
Jane Dough	URZJA-20	9/5/2013	Magnesium	mg/L	ND	Energy Laboratories	C13090186-002	9/18/2013	E200.7
Jane Dough	URZJA-20	9/5/2013	Magnesium, SAR	meq/L	ND	Energy Laboratories	C13090186-002	9/18/2013	E200.7
Jane Dough	URZJA-20	9/5/2013	Potassium	mg/L	2	Energy Laboratories	C13090186-002	9/18/2013	E200.7
Jane Dough	URZJA-20	9/5/2013	Silica	mg/L	9.1	Energy Laboratories	C13090186-002	9/18/2013	E200.7
Jane Dough	URZJA-20	9/5/2013	Sodium	mg/L	109	Energy Laboratories	C13090186-002	9/18/2013	E200.7
Jane Dough	URZJA-20	9/5/2013	Aluminum	mg/L	ND	Energy Laboratories	C13090186-002	9/6/2013	E200.8
Jane Dough	URZJA-20	9/5/2013	Arsenic	mg/L	0.002	Energy Laboratories	C13090186-002	9/6/2013	E200.8
Jane Dough	URZJA-20	9/5/2013	Barium	mg/L	ND	Energy Laboratories	C13090186-002	9/6/2013	E200.8
Jane Dough	URZJA-20	9/5/2013	Boron	mg/L	ND	Energy Laboratories	C13090186-002	9/6/2013	E200.8
Jane Dough	URZJA-20	9/5/2013	Cadmium	mg/L	ND	Energy Laboratories	C13090186-002	9/6/2013	E200.8
Jane Dough	URZJA-20	9/5/2013	Chromium	mg/L	ND	Energy Laboratories	C13090186-002	9/6/2013	E200.8
Jane Dough	URZJA-20	9/5/2013	Copper	mg/L	ND	Energy Laboratories	C13090186-002	9/6/2013	E200.8
Jane Dough	URZJA-20	9/5/2013	Iron	mg/L	ND	Energy Laboratories	C13090186-002	9/6/2013	E200.8
Jane Dough	URZJA-20	9/5/2013	Lead	mg/L	ND	Energy Laboratories	C13090186-002	9/6/2013	E200.8
Jane Dough	URZJA-20	9/5/2013	Manganese	mg/L	0.01	Energy Laboratories	C13090186-002	9/6/2013	E200.8
Jane Dough	URZJA-20	9/5/2013	Manganese	mg/L	0.01	Energy Laboratories	C13090186-002	9/11/2013	E200.8
Jane Dough	URZJA-20	9/5/2013	Mercury	mg/L	ND	Energy Laboratories	C13090186-002	9/6/2013	E200.8
Jane Dough	URZJA-20	9/5/2013	Molybdenum	mg/L	ND	Energy Laboratories	C13090186-002	9/6/2013	E200.8
Jane Dough	URZJA-20	9/5/2013	Nickel	mg/L	ND	Energy Laboratories	C13090186-002	9/6/2013	E200.8
Jane Dough	URZJA-20	9/5/2013	Selenium	mg/L	ND	Energy Laboratories	C13090186-002	9/6/2013	E200.8
Jane Dough	URZJA-20	9/5/2013	Sodium, SAR	meq/L	4.16	Energy Laboratories	C13090186-002	9/6/2013	E200.8
Jane Dough	URZJA-20	9/5/2013	Uranium	mg/L	0.0155	Energy Laboratories	C13090186-002	9/6/2013	E200.8
Jane Dough	URZJA-20	9/5/2013	Vanadium	mg/L	ND	Energy Laboratories	C13090186-002	9/6/2013	E200.8
Jane Dough	URZJA-20	9/5/2013	Zinc	mg/L	ND	Energy Laboratories	C13090186-002	9/6/2013	E200.8
Jane Dough	URZJA-20	9/5/2013	Chloride	mg/L	7	Energy Laboratories	C13090186-002	9/10/2013	E300.0
Jane Dough	URZJA-20	9/5/2013	Sulfate	mg/L	109	Energy Laboratories	C13090186-002	9/10/2013	E300.0
Jane Dough	URZJA-20	9/5/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C13090186-002	9/9/2013	E353.2
Jane Dough	URZJA-20	9/5/2013	Gross Alpha	pCi/L	28.6	Energy Laboratories	C13090186-002	9/17/2013	E900.0
Jane Dough	URZJA-20	9/5/2013	Gross Alpha MDC	pCi/L	1.4	Energy Laboratories	C13090186-002	9/17/2013	E900.0
Jane Dough	URZJA-20	9/5/2013	Gross Alpha precision (±)	pCi/L	2.0	Energy Laboratories	C13090186-002	9/17/2013	E900.0
Jane Dough	URZJA-20	9/5/2013	Gross Beta	pCi/L	8.9	Energy Laboratories	C13090186-002	9/17/2013	E900.0
Jane Dough	URZJA-20	9/5/2013	Gross Beta MDC	pCi/L	2.3	Energy Laboratories	C13090186-002	9/17/2013	E900.0
Jane Dough	URZJA-20	9/5/2013	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C13090186-002	9/17/2013	E900.0
Jane Dough	URZJA-20	9/5/2013	Radium 226	pCi/L	1.6	Energy Laboratories	C13090186-002	9/18/2013	E903.0
Jane Dough	URZJA-20	9/5/2013	Radium 226 MDC	pCi/L	0.18	Energy Laboratories	C13090186-002	9/18/2013	E903.0
Jane Dough	URZJA-20	9/5/2013	Radium 226 precision (±)	pCi/L	0.27	Energy Laboratories	C13090186-002	9/18/2013	E903.0
Jane Dough	URZJA-20	9/5/2013	Radium 228	pCi/L	1.2	Energy Laboratories	C13090186-002	9/12/2013	RA-05
Jane Dough	URZJA-20	9/5/2013	Radium 228 MDC	pCi/L	1.3	Energy Laboratories	C13090186-002	9/12/2013	RA-05
Jane Dough	URZJA-20	9/5/2013	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories	C13090186-002	9/12/2013	RA-05
Jane Dough	URZJA-20	9/5/2013	Sodium Adsorption Ratio (SAR)	unitless	9.9	Energy Laboratories	C13090186-002	9/20/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJB-3	9/20/2011	A/C Balance (± 5)	%	-1.13	Energy Laboratories	C11090754-001A	10/10/2011	Calculation
Jane Dough	URZJB-3	9/20/2011	Anions	meq/L	5.76	Energy Laboratories	C11090754-001A	10/10/2011	Calculation
Jane Dough	URZJB-3	9/20/2011	Bicarbonate as HCO3	mg/L	132	Energy Laboratories	C11090754-001A	9/21/2011	A2320 B
Jane Dough	URZJB-3	9/20/2011	Carbonate as CO3	mg/L	5	Energy Laboratories	C11090754-001A	9/21/2011	A2320 B
Jane Dough	URZJB-3	9/20/2011	Cations	meq/L	5.64	Energy Laboratories	C11090754-001A	10/10/2011	Calculation
Jane Dough	URZJB-3	9/20/2011	Chloride	mg/L	7	Energy Laboratories	C11090754-001A	9/24/2011	E300.0
Jane Dough	URZJB-3	9/20/2011	Conductivity @ 25 C	umhos/cm	579	Energy Laboratories	C11090754-001A	9/21/2011	A2510 B
Jane Dough	URZJB-3	9/20/2011	Fluoride	mg/L	0.2	Energy Laboratories	C11090754-001A	9/26/2011	E300.0
Jane Dough	URZJB-3	9/20/2011	pH	s.u.	8.68	Energy Laboratories	C11090754-001A	9/21/2011	A4500-H B
Jane Dough	URZJB-3	9/20/2011	Solids, Total Dissolved Calculated	mg/L	373	Energy Laboratories	C11090754-001A	10/10/2011	Calculation
Jane Dough	URZJB-3	9/20/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	390	Energy Laboratories	C11090754-001A	9/23/2011	A2540 C
Jane Dough	URZJB-3	9/20/2011	Sulfate	mg/L	154	Energy Laboratories	C11090754-001A	9/24/2011	E300.0
Jane Dough	URZJB-3	9/20/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11090754-001A	9/21/2011	E200.8
Jane Dough	URZJB-3	9/20/2011	Arsenic	mg/L	0.002	Energy Laboratories	C11090754-001A	9/21/2011	E200.8
Jane Dough	URZJB-3	9/20/2011	Barium	mg/L	<0.1	Energy Laboratories	C11090754-001A	9/21/2011	E200.8
Jane Dough	URZJB-3	9/20/2011	Boron	mg/L	<0.1	Energy Laboratories	C11090754-001A	10/7/2011	E200.7
Jane Dough	URZJB-3	9/20/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11090754-001A	9/21/2011	E200.8
Jane Dough	URZJB-3	9/20/2011	Calcium	mg/L	12	Energy Laboratories	C11090754-001A	10/7/2011	E200.7
Jane Dough	URZJB-3	9/20/2011	Calcium, SAR	meq/L	0.62	Energy Laboratories	C11090754-001A	10/7/2011	E200.7
Jane Dough	URZJB-3	9/20/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11090754-001A	9/21/2011	E200.8
Jane Dough	URZJB-3	9/20/2011	Copper	mg/L	<0.01	Energy Laboratories	C11090754-001A	9/21/2011	E200.8
Jane Dough	URZJB-3	9/20/2011	Iron	mg/L	<0.03	Energy Laboratories	C11090754-001A	10/7/2011	E200.7
Jane Dough	URZJB-3	9/20/2011	Lead	mg/L	<0.001	Energy Laboratories	C11090754-001A	9/21/2011	E200.8
Jane Dough	URZJB-3	9/20/2011	Magnesium	mg/L	<1	Energy Laboratories	C11090754-001A	10/7/2011	E200.7
Jane Dough	URZJB-3	9/20/2011	Magnesium, SAR	meq/L	<0.0833333	Energy Laboratories	C11090754-001A	10/7/2011	E200.7
Jane Dough	URZJB-3	9/20/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11090754-001A	9/21/2011	E200.8
Jane Dough	URZJB-3	9/20/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11090754-001A	9/21/2011	E200.8
Jane Dough	URZJB-3	9/20/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11090754-001A	9/21/2011	E200.8
Jane Dough	URZJB-3	9/20/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11090754-001A	9/21/2011	E200.8
Jane Dough	URZJB-3	9/20/2011	Potassium	mg/L	4	Energy Laboratories	C11090754-001A	10/7/2011	E200.7
Jane Dough	URZJB-3	9/20/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11090754-001A	9/21/2011	E200.8
Jane Dough	URZJB-3	9/20/2011	Silica	mg/L	10.0	Energy Laboratories	C11090754-001A	10/7/2011	E200.7
Jane Dough	URZJB-3	9/20/2011	Sodium	mg/L	111	Energy Laboratories	C11090754-001A	10/7/2011	E200.7
Jane Dough	URZJB-3	9/20/2011	Sodium Adsorption Ratio (SAR)	unitless	8.2	Energy Laboratories	C11090754-001A	10/7/2011	Calculation
Jane Dough	URZJB-3	9/20/2011	Sodium, SAR	meq/L	4.83	Energy Laboratories	C11090754-001A	10/7/2011	E200.7
Jane Dough	URZJB-3	9/20/2011	Uranium	mg/L	0.0431	Energy Laboratories	C11090754-001A	9/21/2011	E200.8
Jane Dough	URZJB-3	9/20/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11090754-001A	9/21/2011	E200.8
Jane Dough	URZJB-3	9/20/2011	Zinc	mg/L	<0.01	Energy Laboratories	C11090754-001A	9/21/2011	E200.8
Jane Dough	URZJB-3	9/20/2011	Iron	mg/L	<0.03	Energy Laboratories	C11090754-001A	10/10/2011	E200.8
Jane Dough	URZJB-3	9/20/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11090754-001A	10/10/2011	E200.8
Jane Dough	URZJB-3	9/20/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11090754-001A	10/10/2011	A4500-NH3 G
Jane Dough	URZJB-3	9/20/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	0.1	Energy Laboratories	C11090754-001A	9/29/2011	E353.2
Jane Dough	URZJB-3	9/20/2011	Gross Alpha	pCi/L	48.7	Energy Laboratories	C11090754-001A	10/15/2011	E900.0
Jane Dough	URZJB-3	9/20/2011	Gross Alpha MDC	pCi/L	2.6	Energy Laboratories	C11090754-001A	10/15/2011	E900.0
Jane Dough	URZJB-3	9/20/2011	Gross Alpha precision (±)	pCi/L	3.6	Energy Laboratories	C11090754-001A	10/15/2011	E900.0
Jane Dough	URZJB-3	9/20/2011	Gross Beta	pCi/L	19.2	Energy Laboratories	C11090754-001A	10/15/2011	E900.0
Jane Dough	URZJB-3	9/20/2011	Gross Beta MDC	pCi/L	2.7	Energy Laboratories	C11090754-001A	10/15/2011	E900.0
Jane Dough	URZJB-3	9/20/2011	Gross Beta precision (±)	pCi/L	1.9	Energy Laboratories	C11090754-001A	10/15/2011	E900.0
Jane Dough	URZJB-3	9/20/2011	Radium 226	pCi/L	0.14	Energy Laboratories	C11090754-001A	11/3/2011	E903.0
Jane Dough	URZJB-3	9/20/2011	Radium 226 MDC	pCi/L	0.16	Energy Laboratories	C11090754-001A	11/3/2011	E903.0
Jane Dough	URZJB-3	9/20/2011	Radium 226 precision (±)	pCi/L	0.11	Energy Laboratories	C11090754-001A	11/3/2011	E903.0
Jane Dough	URZJB-3	9/20/2011	Radium 228	pCi/L	0.06	Energy Laboratories	C11090754-001A	10/27/2011	RA-05
Jane Dough	URZJB-3	9/20/2011	Radium 228 MDC	pCi/L	1.3	Energy Laboratories	C11090754-001A	10/27/2011	RA-05
Jane Dough	URZJB-3	9/20/2011	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories	C11090754-001A	10/27/2011	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJB-3	2/6/2012	Bicarbonate as HCO3	mg/L	146	Energy Laboratories	C12020202-001	2/8/2012	A2320 B
Jane Dough	URZJB-3	2/6/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12020202-001	2/8/2012	A2320 B
Jane Dough	URZJB-3	2/6/2012	Conductivity @ 25 C	umhos/cm	600	Energy Laboratories	C12020202-001	2/7/2012	A2510 B
Jane Dough	URZJB-3	2/6/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	350	Energy Laboratories	C12020202-001	2/8/2012	A2540 C
Jane Dough	URZJB-3	2/6/2012	pH	s.u.	8.58	Energy Laboratories	C12020202-001	2/7/2012	A4500-H B
Jane Dough	URZJB-3	2/6/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12020202-001	2/7/2012	A4500-NH3 G
Jane Dough	URZJB-3	2/6/2012	A/C Balance (± 5)	%	0.623	Energy Laboratories	C12020202-001	2/15/2012	Calculation
Jane Dough	URZJB-3	2/6/2012	Anions	meq/L	5.69	Energy Laboratories	C12020202-001	2/15/2012	Calculation
Jane Dough	URZJB-3	2/6/2012	Cations	meq/L	5.76	Energy Laboratories	C12020202-001	2/15/2012	Calculation
Jane Dough	URZJB-3	2/6/2012	Sodium Adsorption Ratio (SAR)	unitless	8.1	Energy Laboratories	C12020202-001	2/7/2012	Calculation
Jane Dough	URZJB-3	2/6/2012	Solids, Total Dissolved Calculated	mg/L	371	Energy Laboratories	C12020202-001	2/15/2012	Calculation
Jane Dough	URZJB-3	2/6/2012	Boron	mg/L	ND	Energy Laboratories	C12020202-001	2/10/2012	E200.7
Jane Dough	URZJB-3	2/6/2012	Silica	mg/L	10.3	Energy Laboratories	C12020202-001	3/6/2012	E200.7
Jane Dough	URZJB-3	2/6/2012	Zinc	mg/L	ND	Energy Laboratories	C12020202-001	2/10/2012	E200.7
Jane Dough	URZJB-3	2/6/2012	Aluminum	mg/L	ND	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Arsenic	mg/L	0.002	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Barium	mg/L	ND	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Cadmium	mg/L	ND	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Calcium	mg/L	13	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Calcium, SAR	meq/L	0.64	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Chromium	mg/L	ND	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Copper	mg/L	ND	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Iron	mg/L	ND	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Iron	mg/L	ND	Energy Laboratories	C12020202-001	2/8/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Lead	mg/L	ND	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Magnesium	mg/L	1	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Magnesium, SAR	meq/L	0.09	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Manganese	mg/L	ND	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Manganese	mg/L	ND	Energy Laboratories	C12020202-001	2/10/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Mercury	mg/L	ND	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12020202-001	2/13/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Nickel	mg/L	ND	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Potassium	mg/L	4	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Selenium	mg/L	ND	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Sodium	mg/L	113	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Sodium, SAR	meq/L	4.93	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Uranium	mg/L	0.0205	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Vanadium	mg/L	ND	Energy Laboratories	C12020202-001	2/7/2012	E200.8
Jane Dough	URZJB-3	2/6/2012	Chloride	mg/L	6	Energy Laboratories	C12020202-001	2/10/2012	E300.0
Jane Dough	URZJB-3	2/6/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12020202-001	2/10/2012	E300.0
Jane Dough	URZJB-3	2/6/2012	Sulfate	mg/L	150	Energy Laboratories	C12020202-001	2/10/2012	E300.0
Jane Dough	URZJB-3	2/6/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12020202-001	2/8/2012	E353.2
Jane Dough	URZJB-3	2/6/2012	Gross Alpha	pCi/L	43.4	Energy Laboratories	C12020202-001	2/25/2012	E900.0
Jane Dough	URZJB-3	2/6/2012	Gross Alpha MDC	pCi/L	2.9	Energy Laboratories	C12020202-001	2/25/2012	E900.0
Jane Dough	URZJB-3	2/6/2012	Gross Alpha precision (±)	pCi/L	3.7	Energy Laboratories	C12020202-001	2/25/2012	E900.0
Jane Dough	URZJB-3	2/6/2012	Gross Beta	pCi/L	14.0	Energy Laboratories	C12020202-001	2/25/2012	E900.0
Jane Dough	URZJB-3	2/6/2012	Gross Beta MDC	pCi/L	3.6	Energy Laboratories	C12020202-001	2/25/2012	E900.0
Jane Dough	URZJB-3	2/6/2012	Gross Beta precision (±)	pCi/L	2.4	Energy Laboratories	C12020202-001	2/25/2012	E900.0
Jane Dough	URZJB-3	2/6/2012	Radium 226	pCi/L	-0.001	Energy Laboratories	C12020202-001	2/29/2012	E903.0
Jane Dough	URZJB-3	2/6/2012	Radium 226 MDC	pCi/L	0.18	Energy Laboratories	C12020202-001	2/29/2012	E903.0
Jane Dough	URZJB-3	2/6/2012	Radium 226 precision (±)	pCi/L	0.1	Energy Laboratories	C12020202-001	2/29/2012	E903.0
Jane Dough	URZJB-3	2/6/2012	Radium 228	pCi/L	0.7	Energy Laboratories	C12020202-001	2/22/2012	RA-05
Jane Dough	URZJB-3	2/6/2012	Radium 228 MDC	pCi/L	1.3	Energy Laboratories	C12020202-001	2/22/2012	RA-05
Jane Dough	URZJB-3	2/6/2012	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories	C12020202-001	2/22/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJB-3	7/3/2012	A/C Balance (± 5)	%	0.460	Energy Laboratories	C12070126-002	7/23/2012	A1030 E
Jane Dough	URZJB-3	7/3/2012	Anions	meq/L	5.56	Energy Laboratories	C12070126-002	7/23/2012	A1030 E
Jane Dough	URZJB-3	7/3/2012	Cations	meq/L	5.62	Energy Laboratories	C12070126-002	7/23/2012	A1030 E
Jane Dough	URZJB-3	7/3/2012	Solids, Total Dissolved Calculated	mg/L	360	Energy Laboratories	C12070126-002	7/23/2012	A1030 E
Jane Dough	URZJB-3	7/3/2012	TDS Balance (0.80 - 1.20)		0.980	Energy Laboratories	C12070126-002	7/23/2012	A1030 E
Jane Dough	URZJB-3	7/3/2012	Alkalinity, Total as CaCO3	mg/L	121	Energy Laboratories	C12070126-002	7/7/2012	A2320 B
Jane Dough	URZJB-3	7/3/2012	Bicarbonate as HCO3	mg/L	147	Energy Laboratories	C12070126-002	7/7/2012	A2320 B
Jane Dough	URZJB-3	7/3/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12070126-002	7/7/2012	A2320 B
Jane Dough	URZJB-3	7/3/2012	Conductivity @ 25 C	umhos/cm	594	Energy Laboratories	C12070126-002	7/6/2012	A2510 B
Jane Dough	URZJB-3	7/3/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	354	Energy Laboratories	C12070126-002	7/6/2012	A2540 C
Jane Dough	URZJB-3	7/3/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12070126-002	7/9/2012	A4500-F C
Jane Dough	URZJB-3	7/3/2012	pH	s.u.	8.59	Energy Laboratories	C12070126-002	7/6/2012	A4500-H B
Jane Dough	URZJB-3	7/3/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12070126-002	7/6/2012	A4500-NH3 G
Jane Dough	URZJB-3	7/3/2012	Aluminum	mg/L	ND	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Barium	mg/L	ND	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Boron	mg/L	ND	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Cadmium	mg/L	ND	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Calcium	mg/L	13	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Calcium, SAR	meq/L	0.63	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Chromium	mg/L	ND	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Copper	mg/L	ND	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Iron	mg/L	ND	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Iron	mg/L	ND	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Magnesium	mg/L	ND	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Manganese	mg/L	ND	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Manganese	mg/L	ND	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Nickel	mg/L	ND	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Potassium	mg/L	4	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Silica	mg/L	9.3	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Sodium	mg/L	110	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Sodium, SAR	meq/L	4.79	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Vanadium	mg/L	ND	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Zinc	mg/L	0.02	Energy Laboratories	C12070126-002	7/13/2012	E200.7
Jane Dough	URZJB-3	7/3/2012	Arsenic	mg/L	0.003	Energy Laboratories	C12070126-002	7/25/2012	E200.8
Jane Dough	URZJB-3	7/3/2012	Lead	mg/L	ND	Energy Laboratories	C12070126-002	7/25/2012	E200.8
Jane Dough	URZJB-3	7/3/2012	Mercury	mg/L	ND	Energy Laboratories	C12070126-002	7/25/2012	E200.8
Jane Dough	URZJB-3	7/3/2012	Selenium	mg/L	0.003	Energy Laboratories	C12070126-002	7/25/2012	E200.8
Jane Dough	URZJB-3	7/3/2012	Uranium	mg/L	0.0444	Energy Laboratories	C12070126-002	7/25/2012	E200.8
Jane Dough	URZJB-3	7/3/2012	Chloride	mg/L	6	Energy Laboratories	C12070126-002	7/10/2012	E300.0
Jane Dough	URZJB-3	7/3/2012	Sulfate	mg/L	142	Energy Laboratories	C12070126-002	7/10/2012	E300.0
Jane Dough	URZJB-3	7/3/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12070126-002	7/6/2012	E353.2
Jane Dough	URZJB-3	7/3/2012	Gross Alpha	pCi/L	39.7	Energy Laboratories	C12070126-002	7/17/2012	E900.0
Jane Dough	URZJB-3	7/3/2012	Gross Alpha MDC	pCi/L	1.8	Energy Laboratories	C12070126-002	7/17/2012	E900.0
Jane Dough	URZJB-3	7/3/2012	Gross Alpha precision (±)	pCi/L	2.4	Energy Laboratories	C12070126-002	7/17/2012	E900.0
Jane Dough	URZJB-3	7/3/2012	Gross Beta	pCi/L	6.8	Energy Laboratories	C12070126-002	7/17/2012	E900.0
Jane Dough	URZJB-3	7/3/2012	Gross Beta MDC	pCi/L	2.7	Energy Laboratories	C12070126-002	7/17/2012	E900.0
Jane Dough	URZJB-3	7/3/2012	Gross Beta precision (±)	pCi/L	1.8	Energy Laboratories	C12070126-002	7/17/2012	E900.0
Jane Dough	URZJB-3	7/3/2012	Radium 226	pCi/L	0.19	Energy Laboratories	C12070126-002	7/24/2012	E903.0
Jane Dough	URZJB-3	7/3/2012	Radium 226 MDC	pCi/L	0.16	Energy Laboratories	C12070126-002	7/24/2012	E903.0
Jane Dough	URZJB-3	7/3/2012	Radium 226 precision (±)	pCi/L	0.13	Energy Laboratories	C12070126-002	7/24/2012	E903.0
Jane Dough	URZJB-3	7/3/2012	Radium 228	pCi/L	-0.1	Energy Laboratories	C12070126-002	7/19/2012	RA-05
Jane Dough	URZJB-3	7/3/2012	Radium 228 MDC	pCi/L	1	Energy Laboratories	C12070126-002	7/19/2012	RA-05
Jane Dough	URZJB-3	7/3/2012	Radium 228 precision (±)	pCi/L	0.6	Energy Laboratories	C12070126-002	7/19/2012	RA-05
Jane Dough	URZJB-3	7/3/2012	Sodium Adsorption Ratio (SAR)	unitless	8.0	Energy Laboratories	C12070126-002	7/13/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJB-3	9/7/2012	A/C Balance (± 5)	%	-2.02	Energy Laboratories	C12090218-002	9/18/2012	A1030 E
Jane Dough	URZJB-3	9/7/2012	Anions	meq/L	5.81	Energy Laboratories	C12090218-002	9/18/2012	A1030 E
Jane Dough	URZJB-3	9/7/2012	Cations	meq/L	5.58	Energy Laboratories	C12090218-002	9/18/2012	A1030 E
Jane Dough	URZJB-3	9/7/2012	Solids, Total Dissolved Calculated	mg/L	360	Energy Laboratories	C12090218-002	9/18/2012	A1030 E
Jane Dough	URZJB-3	9/7/2012	TDS Balance (0.80 - 1.20)		1.04	Energy Laboratories	C12090218-002	9/18/2012	A1030 E
Jane Dough	URZJB-3	9/7/2012	Bicarbonate as HCO3	mg/L	153	Energy Laboratories	C12090218-002	9/11/2012	A2320 B
Jane Dough	URZJB-3	9/7/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12090218-002	9/11/2012	A2320 B
Jane Dough	URZJB-3	9/7/2012	Conductivity @ 25 C	umhos/cm	587	Energy Laboratories	C12090218-002	9/11/2012	A2510 B
Jane Dough	URZJB-3	9/7/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	371	Energy Laboratories	C12090218-002	9/11/2012	A2540 C
Jane Dough	URZJB-3	9/7/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12090218-002	9/11/2012	A4500-F C
Jane Dough	URZJB-3	9/7/2012	pH	s.u.	8.52	Energy Laboratories	C12090218-002	9/11/2012	A4500-H B
Jane Dough	URZJB-3	9/7/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12090218-002	9/11/2012	A4500-NH3 G
Jane Dough	URZJB-3	9/7/2012	Boron	mg/L	ND	Energy Laboratories	C12090218-002	9/14/2012	E200.7
Jane Dough	URZJB-3	9/7/2012	Calcium	mg/L	14	Energy Laboratories	C12090218-002	9/14/2012	E200.7
Jane Dough	URZJB-3	9/7/2012	Calcium, SAR	meq/L	0.70	Energy Laboratories	C12090218-002	9/14/2012	E200.7
Jane Dough	URZJB-3	9/7/2012	Iron	mg/L	ND	Energy Laboratories	C12090218-002	9/14/2012	E200.7
Jane Dough	URZJB-3	9/7/2012	Iron	mg/L	0.14	Energy Laboratories	C12090218-002	9/14/2012	E200.7
Jane Dough	URZJB-3	9/7/2012	Magnesium	mg/L	1	Energy Laboratories	C12090218-002	9/14/2012	E200.7
Jane Dough	URZJB-3	9/7/2012	Magnesium, SAR	meq/L	0.09	Energy Laboratories	C12090218-002	9/14/2012	E200.7
Jane Dough	URZJB-3	9/7/2012	Manganese	mg/L	ND	Energy Laboratories	C12090218-002	9/14/2012	E200.7
Jane Dough	URZJB-3	9/7/2012	Potassium	mg/L	4	Energy Laboratories	C12090218-002	9/14/2012	E200.7
Jane Dough	URZJB-3	9/7/2012	Silica	mg/L	10.7	Energy Laboratories	C12090218-002	9/19/2012	E200.7
Jane Dough	URZJB-3	9/7/2012	Sodium	mg/L	108	Energy Laboratories	C12090218-002	9/14/2012	E200.7
Jane Dough	URZJB-3	9/7/2012	Sodium, SAR	meq/L	4.70	Energy Laboratories	C12090218-002	9/14/2012	E200.7
Jane Dough	URZJB-3	9/7/2012	Aluminum	mg/L	ND	Energy Laboratories	C12090218-002	9/12/2012	E200.8
Jane Dough	URZJB-3	9/7/2012	Arsenic	mg/L	0.002	Energy Laboratories	C12090218-002	9/12/2012	E200.8
Jane Dough	URZJB-3	9/7/2012	Barium	mg/L	ND	Energy Laboratories	C12090218-002	9/12/2012	E200.8
Jane Dough	URZJB-3	9/7/2012	Cadmium	mg/L	ND	Energy Laboratories	C12090218-002	9/12/2012	E200.8
Jane Dough	URZJB-3	9/7/2012	Chromium	mg/L	ND	Energy Laboratories	C12090218-002	9/12/2012	E200.8
Jane Dough	URZJB-3	9/7/2012	Copper	mg/L	ND	Energy Laboratories	C12090218-002	9/12/2012	E200.8
Jane Dough	URZJB-3	9/7/2012	Lead	mg/L	ND	Energy Laboratories	C12090218-002	9/12/2012	E200.8
Jane Dough	URZJB-3	9/7/2012	Manganese	mg/L	ND	Energy Laboratories	C12090218-002	9/12/2012	E200.8
Jane Dough	URZJB-3	9/7/2012	Mercury	mg/L	ND	Energy Laboratories	C12090218-002	9/14/2012	E200.8
Jane Dough	URZJB-3	9/7/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12090218-002	9/12/2012	E200.8
Jane Dough	URZJB-3	9/7/2012	Nickel	mg/L	ND	Energy Laboratories	C12090218-002	9/12/2012	E200.8
Jane Dough	URZJB-3	9/7/2012	Selenium	mg/L	ND	Energy Laboratories	C12090218-002	9/12/2012	E200.8
Jane Dough	URZJB-3	9/7/2012	Uranium	mg/L	0.0477	Energy Laboratories	C12090218-002	9/12/2012	E200.8
Jane Dough	URZJB-3	9/7/2012	Vanadium	mg/L	ND	Energy Laboratories	C12090218-002	9/12/2012	E200.8
Jane Dough	URZJB-3	9/7/2012	Zinc	mg/L	ND	Energy Laboratories	C12090218-002	9/12/2012	E200.8
Jane Dough	URZJB-3	9/7/2012	Chloride	mg/L	7	Energy Laboratories	C12090218-002	9/11/2012	E300.0
Jane Dough	URZJB-3	9/7/2012	Sulfate	mg/L	149	Energy Laboratories	C12090218-002	9/11/2012	E300.0
Jane Dough	URZJB-3	9/7/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12090218-002	9/10/2012	E353.2
Jane Dough	URZJB-3	9/7/2012	Gross Alpha	pCi/L	28.6	Energy Laboratories	C12090218-002	9/27/2012	E900.0
Jane Dough	URZJB-3	9/7/2012	Gross Alpha MDC	pCi/L	1.6	Energy Laboratories	C12090218-002	9/27/2012	E900.0
Jane Dough	URZJB-3	9/7/2012	Gross Alpha precision (±)	pCi/L	2.0	Energy Laboratories	C12090218-002	9/27/2012	E900.0
Jane Dough	URZJB-3	9/7/2012	Gross Beta	pCi/L	7.8	Energy Laboratories	C12090218-002	9/27/2012	E900.0
Jane Dough	URZJB-3	9/7/2012	Gross Beta MDC	pCi/L	2.9	Energy Laboratories	C12090218-002	9/27/2012	E900.0
Jane Dough	URZJB-3	9/7/2012	Gross Beta precision (±)	pCi/L	1.9	Energy Laboratories	C12090218-002	9/27/2012	E900.0
Jane Dough	URZJB-3	9/7/2012	Radium 226	pCi/L	0.17	Energy Laboratories	C12090218-002	9/24/2012	E903.0
Jane Dough	URZJB-3	9/7/2012	Radium 226 MDC	pCi/L	0.19	Energy Laboratories	C12090218-002	9/24/2012	E903.0
Jane Dough	URZJB-3	9/7/2012	Radium 226 precision (±)	pCi/L	0.14	Energy Laboratories	C12090218-002	9/24/2012	E903.0
Jane Dough	URZJB-3	9/7/2012	Radium 228	pCi/L	0.3	Energy Laboratories	C12090218-002	9/18/2012	RA-05
Jane Dough	URZJB-3	9/7/2012	Radium 228 MDC	pCi/L	1	Energy Laboratories	C12090218-002	9/18/2012	RA-05
Jane Dough	URZJB-3	9/7/2012	Radium 228 precision (±)	pCi/L	0.6	Energy Laboratories	C12090218-002	9/18/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJB-3	11/30/2012	A/C Balance (± 5)	%	1.54	Energy Laboratories	C12120002-001	12/7/2012	A1030 E
Jane Dough	URZJB-3	11/30/2012	Anions	meq/L	5.92	Energy Laboratories	C12120002-001	12/7/2012	A1030 E
Jane Dough	URZJB-3	11/30/2012	Cations	meq/L	6.10	Energy Laboratories	C12120002-001	12/7/2012	A1030 E
Jane Dough	URZJB-3	11/30/2012	Solids, Total Dissolved Calculated	mg/L	390	Energy Laboratories	C12120002-001	12/7/2012	A1030 E
Jane Dough	URZJB-3	11/30/2012	TDS Balance (0.80 - 1.20)		0.950	Energy Laboratories	C12120002-001	12/7/2012	A1030 E
Jane Dough	URZJB-3	11/30/2012	Alkalinity, Total as CaCO3	mg/L	123	Energy Laboratories	C12120002-001	12/3/2012	A2320 B
Jane Dough	URZJB-3	11/30/2012	Bicarbonate as HCO3	mg/L	149	Energy Laboratories	C12120002-001	12/3/2012	A2320 B
Jane Dough	URZJB-3	11/30/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12120002-001	12/3/2012	A2320 B
Jane Dough	URZJB-3	11/30/2012	Conductivity @ 25 C	umhos/cm	583	Energy Laboratories	C12120002-001	12/3/2012	A2510 B
Jane Dough	URZJB-3	11/30/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	371	Energy Laboratories	C12120002-001	12/3/2012	A2540 C
Jane Dough	URZJB-3	11/30/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12120002-001	12/6/2012	A4500-F C
Jane Dough	URZJB-3	11/30/2012	pH	s.u.	8.37	Energy Laboratories	C12120002-001	12/3/2012	A4500-H B
Jane Dough	URZJB-3	11/30/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12120002-001	12/7/2012	A4500-NH3 G
Jane Dough	URZJB-3	11/30/2012	Aluminum	mg/L	ND	Energy Laboratories	C12120002-001	12/4/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Barium	mg/L	ND	Energy Laboratories	C12120002-001	12/4/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Boron	mg/L	ND	Energy Laboratories	C12120002-001	12/5/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Cadmium	mg/L	ND	Energy Laboratories	C12120002-001	12/4/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Calcium	mg/L	15	Energy Laboratories	C12120002-001	12/4/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Calcium, SAR	meq/L	0.76	Energy Laboratories	C12120002-001	12/4/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Chromium	mg/L	ND	Energy Laboratories	C12120002-001	12/4/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Copper	mg/L	ND	Energy Laboratories	C12120002-001	12/4/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Iron	mg/L	ND	Energy Laboratories	C12120002-001	12/4/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Iron	mg/L	ND	Energy Laboratories	C12120002-001	12/5/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Magnesium	mg/L	1	Energy Laboratories	C12120002-001	12/4/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Magnesium, SAR	meq/L	0.10	Energy Laboratories	C12120002-001	12/4/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Manganese	mg/L	ND	Energy Laboratories	C12120002-001	12/4/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Manganese	mg/L	ND	Energy Laboratories	C12120002-001	12/5/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12120002-001	12/4/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Nickel	mg/L	ND	Energy Laboratories	C12120002-001	12/4/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Potassium	mg/L	3	Energy Laboratories	C12120002-001	12/4/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Silica	mg/L	10.8	Energy Laboratories	C12120002-001	12/4/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Sodium	mg/L	119	Energy Laboratories	C12120002-001	12/4/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Sodium, SAR	meq/L	5.18	Energy Laboratories	C12120002-001	12/4/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Vanadium	mg/L	ND	Energy Laboratories	C12120002-001	12/4/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Zinc	mg/L	ND	Energy Laboratories	C12120002-001	12/4/2012	E200.7
Jane Dough	URZJB-3	11/30/2012	Arsenic	mg/L	0.002	Energy Laboratories	C12120002-001	12/8/2012	E200.8
Jane Dough	URZJB-3	11/30/2012	Lead	mg/L	ND	Energy Laboratories	C12120002-001	12/8/2012	E200.8
Jane Dough	URZJB-3	11/30/2012	Mercury	mg/L	ND	Energy Laboratories	C12120002-001	12/11/2012	E200.8
Jane Dough	URZJB-3	11/30/2012	Selenium	mg/L	ND	Energy Laboratories	C12120002-001	12/8/2012	E200.8
Jane Dough	URZJB-3	11/30/2012	Uranium	mg/L	0.0451	Energy Laboratories	C12120002-001	12/8/2012	E200.8
Jane Dough	URZJB-3	11/30/2012	Chloride	mg/L	7	Energy Laboratories	C12120002-001	12/3/2012	E300.0
Jane Dough	URZJB-3	11/30/2012	Sulfate	mg/L	156	Energy Laboratories	C12120002-001	12/3/2012	E300.0
Jane Dough	URZJB-3	11/30/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12120002-001	12/5/2012	E353.2
Jane Dough	URZJB-3	11/30/2012	Gross Alpha	pCi/L	39.0	Energy Laboratories	C12120002-001	12/22/2012	E900.0
Jane Dough	URZJB-3	11/30/2012	Gross Alpha MDC	pCi/L	1.7	Energy Laboratories	C12120002-001	12/22/2012	E900.0
Jane Dough	URZJB-3	11/30/2012	Gross Alpha precision (±)	pCi/L	2.4	Energy Laboratories	C12120002-001	12/22/2012	E900.0
Jane Dough	URZJB-3	11/30/2012	Gross Beta	pCi/L	11.4	Energy Laboratories	C12120002-001	12/22/2012	E900.0
Jane Dough	URZJB-3	11/30/2012	Gross Beta MDC	pCi/L	2.4	Energy Laboratories	C12120002-001	12/22/2012	E900.0
Jane Dough	URZJB-3	11/30/2012	Gross Beta precision (±)	pCi/L	1.7	Energy Laboratories	C12120002-001	12/22/2012	E900.0
Jane Dough	URZJB-3	11/30/2012	Radium 226	pCi/L	0.15	Energy Laboratories	C12120002-001	1/8/2013	E903.0
Jane Dough	URZJB-3	11/30/2012	Radium 226 MDC	pCi/L	0.16	Energy Laboratories	C12120002-001	1/8/2013	E903.0
Jane Dough	URZJB-3	11/30/2012	Radium 226 precision (±)	pCi/L	0.12	Energy Laboratories	C12120002-001	1/8/2013	E903.0
Jane Dough	URZJB-3	11/30/2012	Radium 228	pCi/L	1.4	Energy Laboratories	C12120002-001	1/3/2013	RA-05
Jane Dough	URZJB-3	11/30/2012	Radium 228 MDC	pCi/L	1.2	Energy Laboratories	C12120002-001	1/3/2013	RA-05
Jane Dough	URZJB-3	11/30/2012	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories	C12120002-001	1/3/2013	RA-05
Jane Dough	URZJB-3	11/30/2012	Sodium Adsorption Ratio (SAR)	unitless	7.9	Energy Laboratories	C12120002-001	12/4/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	JB-3(A)	11/30/2012	A/C Balance (± 5)	%	1.45	Energy Laboratories	C12120002-002	12/7/2012	A1030 E
Jane Dough	JB-3(A)	11/30/2012	Anions	meq/L	5.90	Energy Laboratories	C12120002-002	12/7/2012	A1030 E
Jane Dough	JB-3(A)	11/30/2012	Cations	meq/L	6.08	Energy Laboratories	C12120002-002	12/7/2012	A1030 E
Jane Dough	JB-3(A)	11/30/2012	Solids, Total Dissolved Calculated	mg/L	390	Energy Laboratories	C12120002-002	12/7/2012	A1030 E
Jane Dough	JB-3(A)	11/30/2012	TDS Balance (0.80 - 1.20)		0.960	Energy Laboratories	C12120002-002	12/7/2012	A1030 E
Jane Dough	JB-3(A)	11/30/2012	Alkalinity, Total as CaCO3	mg/L	123	Energy Laboratories	C12120002-002	12/3/2012	A2320 B
Jane Dough	JB-3(A)	11/30/2012	Bicarbonate as HCO3	mg/L	149	Energy Laboratories	C12120002-002	12/3/2012	A2320 B
Jane Dough	JB-3(A)	11/30/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12120002-002	12/3/2012	A2320 B
Jane Dough	JB-3(A)	11/30/2012	Conductivity @ 25 C	umhos/cm	582	Energy Laboratories	C12120002-002	12/3/2012	A2510 B
Jane Dough	JB-3(A)	11/30/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	371	Energy Laboratories	C12120002-002	12/3/2012	A2540 C
Jane Dough	JB-3(A)	11/30/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12120002-002	12/6/2012	A4500-F C
Jane Dough	JB-3(A)	11/30/2012	pH	s.u.	8.38	Energy Laboratories	C12120002-002	12/3/2012	A4500-H B
Jane Dough	JB-3(A)	11/30/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12120002-002	12/7/2012	A4500-NH3 G
Jane Dough	JB-3(A)	11/30/2012	Aluminum	mg/L	ND	Energy Laboratories	C12120002-002	12/4/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Barium	mg/L	ND	Energy Laboratories	C12120002-002	12/4/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Boron	mg/L	ND	Energy Laboratories	C12120002-002	12/5/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Cadmium	mg/L	ND	Energy Laboratories	C12120002-002	12/4/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Calcium	mg/L	15	Energy Laboratories	C12120002-002	12/4/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Calcium, SAR	meq/L	0.74	Energy Laboratories	C12120002-002	12/4/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Chromium	mg/L	ND	Energy Laboratories	C12120002-002	12/4/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Copper	mg/L	ND	Energy Laboratories	C12120002-002	12/4/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Iron	mg/L	ND	Energy Laboratories	C12120002-002	12/4/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Iron	mg/L	ND	Energy Laboratories	C12120002-002	12/5/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Magnesium	mg/L	1	Energy Laboratories	C12120002-002	12/4/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Magnesium, SAR	meq/L	0.09	Energy Laboratories	C12120002-002	12/4/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Manganese	mg/L	ND	Energy Laboratories	C12120002-002	12/4/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Manganese	mg/L	ND	Energy Laboratories	C12120002-002	12/5/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12120002-002	12/4/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Nickel	mg/L	ND	Energy Laboratories	C12120002-002	12/4/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Potassium	mg/L	3	Energy Laboratories	C12120002-002	12/4/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Silica	mg/L	10.7	Energy Laboratories	C12120002-002	12/4/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Sodium	mg/L	119	Energy Laboratories	C12120002-002	12/4/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Sodium, SAR	meq/L	5.16	Energy Laboratories	C12120002-002	12/4/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Vanadium	mg/L	ND	Energy Laboratories	C12120002-002	12/4/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Zinc	mg/L	ND	Energy Laboratories	C12120002-002	12/4/2012	E200.7
Jane Dough	JB-3(A)	11/30/2012	Arsenic	mg/L	0.002	Energy Laboratories	C12120002-002	12/8/2012	E200.8
Jane Dough	JB-3(A)	11/30/2012	Lead	mg/L	0.001	Energy Laboratories	C12120002-002	12/8/2012	E200.8
Jane Dough	JB-3(A)	11/30/2012	Mercury	mg/L	ND	Energy Laboratories	C12120002-002	12/11/2012	E200.8
Jane Dough	JB-3(A)	11/30/2012	Selenium	mg/L	ND	Energy Laboratories	C12120002-002	12/8/2012	E200.8
Jane Dough	JB-3(A)	11/30/2012	Uranium	mg/L	0.0462	Energy Laboratories	C12120002-002	12/8/2012	E200.8
Jane Dough	JB-3(A)	11/30/2012	Chloride	mg/L	7	Energy Laboratories	C12120002-002	12/3/2012	E300.0
Jane Dough	JB-3(A)	11/30/2012	Sulfate	mg/L	156	Energy Laboratories	C12120002-002	12/3/2012	E300.0
Jane Dough	JB-3(A)	11/30/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12120002-002	12/5/2012	E353.2
Jane Dough	JB-3(A)	11/30/2012	Gross Alpha	pCi/L	47.5	Energy Laboratories	C12120002-002	12/22/2012	E900.0
Jane Dough	JB-3(A)	11/30/2012	Gross Alpha MDC	pCi/L	1.5	Energy Laboratories	C12120002-002	12/22/2012	E900.0
Jane Dough	JB-3(A)	11/30/2012	Gross Alpha precision (±)	pCi/L	2.7	Energy Laboratories	C12120002-002	12/22/2012	E900.0
Jane Dough	JB-3(A)	11/30/2012	Gross Beta	pCi/L	11.2	Energy Laboratories	C12120002-002	12/22/2012	E900.0
Jane Dough	JB-3(A)	11/30/2012	Gross Beta MDC	pCi/L	2.4	Energy Laboratories	C12120002-002	12/22/2012	E900.0
Jane Dough	JB-3(A)	11/30/2012	Gross Beta precision (±)	pCi/L	1.7	Energy Laboratories	C12120002-002	12/22/2012	E900.0
Jane Dough	JB-3(A)	11/30/2012	Radium 226	pCi/L	0.39	Energy Laboratories	C12120002-002	1/8/2013	E903.0
Jane Dough	JB-3(A)	11/30/2012	Radium 226 MDC	pCi/L	0.16	Energy Laboratories	C12120002-002	1/8/2013	E903.0
Jane Dough	JB-3(A)	11/30/2012	Radium 226 precision (±)	pCi/L	0.16	Energy Laboratories	C12120002-002	1/8/2013	E903.0
Jane Dough	JB-3(A)	11/30/2012	Radium 228	pCi/L	1.0	Energy Laboratories	C12120002-002	1/3/2013	RA-05
Jane Dough	JB-3(A)	11/30/2012	Radium 228 MDC	pCi/L	1.3	Energy Laboratories	C12120002-002	1/3/2013	RA-05
Jane Dough	JB-3(A)	11/30/2012	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories	C12120002-002	1/3/2013	RA-05
Jane Dough	JB-3(A)	11/30/2012	Sodium Adsorption Ratio (SAR)	unitless	8.0	Energy Laboratories	C12120002-002	12/4/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJB-9	8/31/2011	Bicarbonate as HCO3	mg/L	133	Energy Laboratories	C11081196-003	9/7/2011	A2320 B
Jane Dough	URZJB-9	8/31/2011	Carbonate as CO3	mg/L	7	Energy Laboratories	C11081196-003	9/7/2011	A2320 B
Jane Dough	URZJB-9	8/31/2011	Conductivity @ 25 C	umhos/cm	556	Energy Laboratories	C11081196-003	9/1/2011	A2510 B
Jane Dough	URZJB-9	8/31/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	358	Energy Laboratories	C11081196-003	9/1/2011	A2540 C
Jane Dough	URZJB-9	8/31/2011	Fluoride	mg/L	0.2	Energy Laboratories	C11081196-003	9/8/2011	A4500-F C
Jane Dough	URZJB-9	8/31/2011	pH	s.u.	8.51	Energy Laboratories	C11081196-003	9/1/2011	A4500-H B
Jane Dough	URZJB-9	8/31/2011	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C11081196-003	9/2/2011	A4500-NH3 G
Jane Dough	URZJB-9	8/31/2011	A/C Balance (± 5)	%	-2.59	Energy Laboratories	C11081196-003	9/26/2011	Calculation
Jane Dough	URZJB-9	8/31/2011	Anions	meq/L	5.58	Energy Laboratories	C11081196-003	9/26/2011	Calculation
Jane Dough	URZJB-9	8/31/2011	Cations	meq/L	5.30	Energy Laboratories	C11081196-003	9/26/2011	Calculation
Jane Dough	URZJB-9	8/31/2011	Sodium Adsorption Ratio (SAR)	unitless	7.1	Energy Laboratories	C11081196-003	9/22/2011	Calculation
Jane Dough	URZJB-9	8/31/2011	Solids, Total Dissolved Calculated	mg/L	356	Energy Laboratories	C11081196-003	9/26/2011	Calculation
Jane Dough	URZJB-9	8/31/2011	Aluminum	mg/L	ND	Energy Laboratories	C11081196-003	9/26/2011	E200.7
Jane Dough	URZJB-9	8/31/2011	Boron	mg/L	ND	Energy Laboratories	C11081196-003	9/22/2011	E200.7
Jane Dough	URZJB-9	8/31/2011	Calcium	mg/L	13	Energy Laboratories	C11081196-003	9/22/2011	E200.7
Jane Dough	URZJB-9	8/31/2011	Calcium, SAR	meq/L	0.67	Energy Laboratories	C11081196-003	9/22/2011	E200.7
Jane Dough	URZJB-9	8/31/2011	Iron	mg/L	ND	Energy Laboratories	C11081196-003	9/22/2011	E200.7
Jane Dough	URZJB-9	8/31/2011	Magnesium	mg/L	1	Energy Laboratories	C11081196-003	9/22/2011	E200.7
Jane Dough	URZJB-9	8/31/2011	Magnesium, SAR	meq/L	0.10	Energy Laboratories	C11081196-003	9/22/2011	E200.7
Jane Dough	URZJB-9	8/31/2011	Potassium	mg/L	5	Energy Laboratories	C11081196-003	9/22/2011	E200.7
Jane Dough	URZJB-9	8/31/2011	Silica	mg/L	10.5	Energy Laboratories	C11081196-003	9/22/2011	E200.7
Jane Dough	URZJB-9	8/31/2011	Sodium	mg/L	101	Energy Laboratories	C11081196-003	9/22/2011	E200.7
Jane Dough	URZJB-9	8/31/2011	Sodium, SAR	meq/L	4.40	Energy Laboratories	C11081196-003	9/22/2011	E200.7
Jane Dough	URZJB-9	8/31/2011	Arsenic	mg/L	0.002	Energy Laboratories	C11081196-003	9/2/2011	E200.8
Jane Dough	URZJB-9	8/31/2011	Barium	mg/L	ND	Energy Laboratories	C11081196-003	9/2/2011	E200.8
Jane Dough	URZJB-9	8/31/2011	Cadmium	mg/L	ND	Energy Laboratories	C11081196-003	9/2/2011	E200.8
Jane Dough	URZJB-9	8/31/2011	Chromium	mg/L	ND	Energy Laboratories	C11081196-003	9/2/2011	E200.8
Jane Dough	URZJB-9	8/31/2011	Copper	mg/L	ND	Energy Laboratories	C11081196-003	9/2/2011	E200.8
Jane Dough	URZJB-9	8/31/2011	Iron	mg/L	0.03	Energy Laboratories	C11081196-003	9/1/2011	E200.8
Jane Dough	URZJB-9	8/31/2011	Lead	mg/L	ND	Energy Laboratories	C11081196-003	9/2/2011	E200.8
Jane Dough	URZJB-9	8/31/2011	Manganese	mg/L	ND	Energy Laboratories	C11081196-003	9/2/2011	E200.8
Jane Dough	URZJB-9	8/31/2011	Manganese	mg/L	ND	Energy Laboratories	C11081196-003	9/1/2011	E200.8
Jane Dough	URZJB-9	8/31/2011	Mercury	mg/L	ND	Energy Laboratories	C11081196-003	9/2/2011	E200.8
Jane Dough	URZJB-9	8/31/2011	Molybdenum	mg/L	ND	Energy Laboratories	C11081196-003	9/2/2011	E200.8
Jane Dough	URZJB-9	8/31/2011	Nickel	mg/L	ND	Energy Laboratories	C11081196-003	9/2/2011	E200.8
Jane Dough	URZJB-9	8/31/2011	Selenium	mg/L	ND	Energy Laboratories	C11081196-003	9/2/2011	E200.8
Jane Dough	URZJB-9	8/31/2011	Uranium	mg/L	0.0371	Energy Laboratories	C11081196-003	9/2/2011	E200.8
Jane Dough	URZJB-9	8/31/2011	Vanadium	mg/L	ND	Energy Laboratories	C11081196-003	9/2/2011	E200.8
Jane Dough	URZJB-9	8/31/2011	Zinc	mg/L	ND	Energy Laboratories	C11081196-003	9/2/2011	E200.8
Jane Dough	URZJB-9	8/31/2011	Chloride	mg/L	6	Energy Laboratories	C11081196-003	9/3/2011	E300.0
Jane Dough	URZJB-9	8/31/2011	Sulfate	mg/L	143	Energy Laboratories	C11081196-003	9/3/2011	E300.0
Jane Dough	URZJB-9	8/31/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C11081196-003	9/1/2011	E353.2
Jane Dough	URZJB-9	8/31/2011	Gross Alpha	pCi/L	48.4	Energy Laboratories	C11081196-003	9/23/2011	E900.0
Jane Dough	URZJB-9	8/31/2011	Gross Alpha MDC	pCi/L	2.9	Energy Laboratories	C11081196-003	9/23/2011	E900.0
Jane Dough	URZJB-9	8/31/2011	Gross Alpha precision (±)	pCi/L	3.8	Energy Laboratories	C11081196-003	9/23/2011	E900.0
Jane Dough	URZJB-9	8/31/2011	Gross Beta	pCi/L	14.1	Energy Laboratories	C11081196-003	9/23/2011	E900.0
Jane Dough	URZJB-9	8/31/2011	Gross Beta MDC	pCi/L	2.5	Energy Laboratories	C11081196-003	9/23/2011	E900.0
Jane Dough	URZJB-9	8/31/2011	Gross Beta precision (±)	pCi/L	1.7	Energy Laboratories	C11081196-003	9/23/2011	E900.0
Jane Dough	URZJB-9	8/31/2011	Radium 226	pCi/L	0.21	Energy Laboratories	C11081196-003	9/19/2011	E903.0
Jane Dough	URZJB-9	8/31/2011	Radium 226 MDC	pCi/L	0.19	Energy Laboratories	C11081196-003	9/19/2011	E903.0
Jane Dough	URZJB-9	8/31/2011	Radium 226 precision (±)	pCi/L	0.14	Energy Laboratories	C11081196-003	9/19/2011	E903.0
Jane Dough	URZJB-9	8/31/2011	Radium 228	pCi/L	0.4	Energy Laboratories	C11081196-003	9/13/2011	RA-05
Jane Dough	URZJB-9	8/31/2011	Radium 228 MDC	pCi/L	1	Energy Laboratories	C11081196-003	9/13/2011	RA-05
Jane Dough	URZJB-9	8/31/2011	Radium 228 precision (±)	pCi/L	0.6	Energy Laboratories	C11081196-003	9/13/2011	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJB-9	11/8/2011	A/C Balance (± 5)	%	1.18	Energy Laboratories	C11110336-001A	11/28/2011	Calculation
Jane Dough	URZJB-9	11/8/2011	Anions	meq/L	5.43	Energy Laboratories	C11110336-001A	11/28/2011	Calculation
Jane Dough	URZJB-9	11/8/2011	Bicarbonate as HCO3	mg/L	143	Energy Laboratories	C11110336-001A	11/9/2011	A2320 B
Jane Dough	URZJB-9	11/8/2011	Carbonate as CO3	mg/L	<5	Energy Laboratories	C11110336-001A	11/9/2011	A2320 B
Jane Dough	URZJB-9	11/8/2011	Cations	meq/L	5.56	Energy Laboratories	C11110336-001A	11/28/2011	Calculation
Jane Dough	URZJB-9	11/8/2011	Chloride	mg/L	6	Energy Laboratories	C11110336-001A	11/12/2011	E300.0
Jane Dough	URZJB-9	11/8/2011	Conductivity @ 25 C	umhos/cm	568	Energy Laboratories	C11110336-001A	11/9/2011	A2510 B
Jane Dough	URZJB-9	11/8/2011	Fluoride	mg/L	0.2	Energy Laboratories	C11110336-001A	11/15/2011	E300.0
Jane Dough	URZJB-9	11/8/2011	pH	s.u.	8.41	Energy Laboratories	C11110336-001A	11/9/2011	A4500-H B
Jane Dough	URZJB-9	11/8/2011	Solids, Total Dissolved Calculated	mg/L	354	Energy Laboratories	C11110336-001A	11/28/2011	Calculation
Jane Dough	URZJB-9	11/8/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	367	Energy Laboratories	C11110336-001A	11/8/2011	A2540 C
Jane Dough	URZJB-9	11/8/2011	Sulfate	mg/L	140	Energy Laboratories	C11110336-001A	11/12/2011	E300.0
Jane Dough	URZJB-9	11/8/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11110336-001A	11/16/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Arsenic	mg/L	0.003	Energy Laboratories	C11110336-001A	11/18/2011	E200.8
Jane Dough	URZJB-9	11/8/2011	Barium	mg/L	<0.1	Energy Laboratories	C11110336-001A	11/16/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Boron	mg/L	<0.1	Energy Laboratories	C11110336-001A	11/16/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11110336-001A	11/16/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Calcium	mg/L	15	Energy Laboratories	C11110336-001A	11/16/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Calcium, SAR	meq/L	0.73	Energy Laboratories	C11110336-001A	11/16/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11110336-001A	11/16/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Copper	mg/L	<0.01	Energy Laboratories	C11110336-001A	11/18/2011	E200.8
Jane Dough	URZJB-9	11/8/2011	Iron	mg/L	<0.03	Energy Laboratories	C11110336-001A	11/16/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Lead	mg/L	<0.001	Energy Laboratories	C11110336-001A	11/18/2011	E200.8
Jane Dough	URZJB-9	11/8/2011	Magnesium	mg/L	1	Energy Laboratories	C11110336-001A	11/16/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Magnesium, SAR	meq/L	0.11	Energy Laboratories	C11110336-001A	11/16/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11110336-001A	11/16/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11110336-001A	11/18/2011	E200.8
Jane Dough	URZJB-9	11/8/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11110336-001A	11/16/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11110336-001A	11/16/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Potassium	mg/L	4	Energy Laboratories	C11110336-001A	11/16/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11110336-001A	11/18/2011	E200.8
Jane Dough	URZJB-9	11/8/2011	Silica	mg/L	9.5	Energy Laboratories	C11110336-001A	11/16/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Sodium	mg/L	106	Energy Laboratories	C11110336-001A	11/16/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Sodium Adsorption Ratio (SAR)	unitless	7.2	Energy Laboratories	C11110336-001A	11/16/2011	Calculation
Jane Dough	URZJB-9	11/8/2011	Sodium, SAR	meq/L	4.63	Energy Laboratories	C11110336-001A	11/16/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Uranium	mg/L	0.0476	Energy Laboratories	C11110336-001A	11/18/2011	E200.8
Jane Dough	URZJB-9	11/8/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11110336-001A	11/16/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Zinc	mg/L	<0.01	Energy Laboratories	C11110336-001A	11/16/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Iron	mg/L	<0.03	Energy Laboratories	C11110336-001A	11/17/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11110336-001A	11/17/2011	E200.7
Jane Dough	URZJB-9	11/8/2011	Gross Alpha	pCi/L	63.6	Energy Laboratories	C11110336-001A	12/7/2011	E900.0
Jane Dough	URZJB-9	11/8/2011	Gross Alpha MDC	pCi/L	3.2	Energy Laboratories	C11110336-001A	12/7/2011	E900.0
Jane Dough	URZJB-9	11/8/2011	Gross Alpha precision (±)	pCi/L	4.3	Energy Laboratories	C11110336-001A	12/7/2011	E900.0
Jane Dough	URZJB-9	11/8/2011	Gross Beta	pCi/L	21.7	Energy Laboratories	C11110336-001A	12/7/2011	E900.0
Jane Dough	URZJB-9	11/8/2011	Gross Beta MDC	pCi/L	2.8	Energy Laboratories	C11110336-001A	12/7/2011	E900.0
Jane Dough	URZJB-9	11/8/2011	Gross Beta precision (±)	pCi/L	2.0	Energy Laboratories	C11110336-001A	12/7/2011	E900.0
Jane Dough	URZJB-9	11/8/2011	Radium 226	pCi/L	0.27	Energy Laboratories	C11110336-001A	12/12/2011	E903.0
Jane Dough	URZJB-9	11/8/2011	Radium 226 MDC	pCi/L	0.15	Energy Laboratories	C11110336-001A	12/12/2011	E903.0
Jane Dough	URZJB-9	11/8/2011	Radium 226 precision (±)	pCi/L	0.13	Energy Laboratories	C11110336-001A	12/12/2011	E903.0
Jane Dough	URZJB-9	11/8/2011	Radium 228	pCi/L	0.8	Energy Laboratories	C11110336-001A	12/5/2011	RA-05
Jane Dough	URZJB-9	11/8/2011	Radium 228 MDC	pCi/L	0.9	Energy Laboratories	C11110336-001A	12/5/2011	RA-05
Jane Dough	URZJB-9	11/8/2011	Radium 228 precision (±)	pCi/L	0.6	Energy Laboratories	C11110336-001A	12/5/2011	RA-05
Jane Dough	URZJB-9	11/8/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11110336-001A	11/10/2011	A4500-NH3 G
Jane Dough	URZJB-9	11/8/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11110336-001A	11/9/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJB-9A	11/8/2011	A/C Balance (± 5)	%	1.19	Energy Laboratories	C11110336-002A	11/28/2011	Calculation
Jane Dough	URZJB-9A	11/8/2011	Anions	meq/L	5.43	Energy Laboratories	C11110336-002A	11/28/2011	Calculation
Jane Dough	URZJB-9A	11/8/2011	Bicarbonate as HCO3	mg/L	140	Energy Laboratories	C11110336-002A	11/9/2011	A2320 B
Jane Dough	URZJB-9A	11/8/2011	Carbonate as CO3	mg/L	<5	Energy Laboratories	C11110336-002A	11/9/2011	A2320 B
Jane Dough	URZJB-9A	11/8/2011	Cations	meq/L	5.56	Energy Laboratories	C11110336-002A	11/28/2011	Calculation
Jane Dough	URZJB-9A	11/8/2011	Chloride	mg/L	6	Energy Laboratories	C11110336-002A	11/12/2011	E300.0
Jane Dough	URZJB-9A	11/8/2011	Conductivity @ 25 C	umhos/cm	570	Energy Laboratories	C11110336-002A	11/9/2011	A2510 B
Jane Dough	URZJB-9A	11/8/2011	Fluoride	mg/L	0.2	Energy Laboratories	C11110336-002A	11/15/2011	E300.0
Jane Dough	URZJB-9A	11/8/2011	pH	s.u.	8.40	Energy Laboratories	C11110336-002A	11/9/2011	A4500-H B
Jane Dough	URZJB-9A	11/8/2011	Solids, Total Dissolved Calculated	mg/L	354	Energy Laboratories	C11110336-002A	11/28/2011	Calculation
Jane Dough	URZJB-9A	11/8/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	368	Energy Laboratories	C11110336-002A	11/9/2011	A2540 C
Jane Dough	URZJB-9A	11/8/2011	Sulfate	mg/L	139	Energy Laboratories	C11110336-002A	11/12/2011	E300.0
Jane Dough	URZJB-9A	11/8/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11110336-002A	11/16/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Arsenic	mg/L	0.003	Energy Laboratories	C11110336-002A	11/18/2011	E200.8
Jane Dough	URZJB-9A	11/8/2011	Barium	mg/L	<0.1	Energy Laboratories	C11110336-002A	11/16/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Boron	mg/L	<0.1	Energy Laboratories	C11110336-002A	11/16/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11110336-002A	11/16/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Calcium	mg/L	15	Energy Laboratories	C11110336-002A	11/16/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Calcium, SAR	meq/L	0.74	Energy Laboratories	C11110336-002A	11/16/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11110336-002A	11/16/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Copper	mg/L	<0.01	Energy Laboratories	C11110336-002A	11/18/2011	E200.8
Jane Dough	URZJB-9A	11/8/2011	Iron	mg/L	<0.03	Energy Laboratories	C11110336-002A	11/16/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Lead	mg/L	<0.001	Energy Laboratories	C11110336-002A	11/18/2011	E200.8
Jane Dough	URZJB-9A	11/8/2011	Magnesium	mg/L	1	Energy Laboratories	C11110336-002A	11/16/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Magnesium, SAR	meq/L	0.11	Energy Laboratories	C11110336-002A	11/16/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11110336-002A	11/16/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11110336-002A	11/18/2011	E200.8
Jane Dough	URZJB-9A	11/8/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11110336-002A	11/16/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11110336-002A	11/16/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Potassium	mg/L	4	Energy Laboratories	C11110336-002A	11/16/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11110336-002A	11/18/2011	E200.8
Jane Dough	URZJB-9A	11/8/2011	Silica	mg/L	9.6	Energy Laboratories	C11110336-002A	11/16/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Sodium	mg/L	106	Energy Laboratories	C11110336-002A	11/16/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Sodium Adsorption Ratio (SAR)	unitless	7.1	Energy Laboratories	C11110336-002A	11/16/2011	Calculation
Jane Dough	URZJB-9A	11/8/2011	Sodium, SAR	meq/L	4.62	Energy Laboratories	C11110336-002A	11/16/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Uranium	mg/L	0.0404	Energy Laboratories	C11110336-002A	11/18/2011	E200.8
Jane Dough	URZJB-9A	11/8/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11110336-002A	11/16/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Zinc	mg/L	0.02	Energy Laboratories	C11110336-002A	11/16/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Iron	mg/L	<0.03	Energy Laboratories	C11110336-002A	11/17/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11110336-002A	11/17/2011	E200.7
Jane Dough	URZJB-9A	11/8/2011	Gross Alpha	pCi/L	63.0	Energy Laboratories	C11110336-002A	12/7/2011	E900.0
Jane Dough	URZJB-9A	11/8/2011	Gross Alpha MDC	pCi/L	3.1	Energy Laboratories	C11110336-002A	12/7/2011	E900.0
Jane Dough	URZJB-9A	11/8/2011	Gross Alpha precision (±)	pCi/L	4.2	Energy Laboratories	C11110336-002A	12/7/2011	E900.0
Jane Dough	URZJB-9A	11/8/2011	Gross Beta	pCi/L	16.1	Energy Laboratories	C11110336-002A	12/7/2011	E900.0
Jane Dough	URZJB-9A	11/8/2011	Gross Beta MDC	pCi/L	2.8	Energy Laboratories	C11110336-002A	12/7/2011	E900.0
Jane Dough	URZJB-9A	11/8/2011	Gross Beta precision (±)	pCi/L	1.9	Energy Laboratories	C11110336-002A	12/7/2011	E900.0
Jane Dough	URZJB-9A	11/8/2011	Radium 226	pCi/L	0.12	Energy Laboratories	C11110336-002A	12/12/2011	E903.0
Jane Dough	URZJB-9A	11/8/2011	Radium 226 MDC	pCi/L	0.15	Energy Laboratories	C11110336-002A	12/12/2011	E903.0
Jane Dough	URZJB-9A	11/8/2011	Radium 226 precision (±)	pCi/L	0.11	Energy Laboratories	C11110336-002A	12/12/2011	E903.0
Jane Dough	URZJB-9A	11/8/2011	Radium 228	pCi/L	0.6	Energy Laboratories	C11110336-002A	12/5/2011	RA-05
Jane Dough	URZJB-9A	11/8/2011	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C11110336-002A	12/5/2011	RA-05
Jane Dough	URZJB-9A	11/8/2011	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C11110336-002A	12/5/2011	RA-05
Jane Dough	URZJB-9A	11/8/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11110336-002A	11/10/2011	A4500-NH3 G
Jane Dough	URZJB-9A	11/8/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11110336-002A	11/9/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJB-9	1/31/2012	Alkalinity, Total as CaCO3	mg/L	125	Energy Laboratories	C12020046-002	2/1/2012	A2320 B
Jane Dough	URZJB-9	1/31/2012	Bicarbonate as HCO3	mg/L	153	Energy Laboratories	C12020046-002	2/1/2012	A2320 B
Jane Dough	URZJB-9	1/31/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12020046-002	2/1/2012	A2320 B
Jane Dough	URZJB-9	1/31/2012	Conductivity @ 25 C	umhos/cm	584	Energy Laboratories	C12020046-002	2/2/2012	A2510 B
Jane Dough	URZJB-9	1/31/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	451	Energy Laboratories	C12020046-002	2/3/2012	A2540 C
Jane Dough	URZJB-9	1/31/2012	pH	s.u.	8.14	Energy Laboratories	C12020046-002	2/2/2012	A4500-H B
Jane Dough	URZJB-9	1/31/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12020046-002	2/7/2012	A4500-NH3 G
Jane Dough	URZJB-9	1/31/2012	A/C Balance (± 5)	%	-4.24	Energy Laboratories	C12020046-002	2/22/2012	Calculation
Jane Dough	URZJB-9	1/31/2012	Anions	meq/L	5.59	Energy Laboratories	C12020046-002	2/22/2012	Calculation
Jane Dough	URZJB-9	1/31/2012	Cations	meq/L	5.14	Energy Laboratories	C12020046-002	2/22/2012	Calculation
Jane Dough	URZJB-9	1/31/2012	Sodium Adsorption Ratio (SAR)	unitless	6.4	Energy Laboratories	C12020046-002	2/17/2012	Calculation
Jane Dough	URZJB-9	1/31/2012	Solids, Total Dissolved Calculated	mg/L	348	Energy Laboratories	C12020046-002	2/22/2012	Calculation
Jane Dough	URZJB-9	1/31/2012	Aluminum	mg/L	ND	Energy Laboratories	C12020046-002	2/17/2012	E200.7
Jane Dough	URZJB-9	1/31/2012	Calcium	mg/L	15	Energy Laboratories	C12020046-002	2/17/2012	E200.7
Jane Dough	URZJB-9	1/31/2012	Calcium, SAR	meq/L	0.75	Energy Laboratories	C12020046-002	2/17/2012	E200.7
Jane Dough	URZJB-9	1/31/2012	Silica	mg/L	10.4	Energy Laboratories	C12020046-002	2/17/2012	E200.7
Jane Dough	URZJB-9	1/31/2012	Arsenic	mg/L	0.003	Energy Laboratories	C12020046-002	2/2/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Barium	mg/L	ND	Energy Laboratories	C12020046-002	2/2/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Boron	mg/L	ND	Energy Laboratories	C12020046-002	2/8/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Cadmium	mg/L	ND	Energy Laboratories	C12020046-002	2/2/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Chromium	mg/L	ND	Energy Laboratories	C12020046-002	2/3/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Copper	mg/L	ND	Energy Laboratories	C12020046-002	2/3/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Iron	mg/L	ND	Energy Laboratories	C12020046-002	2/8/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Iron	mg/L	ND	Energy Laboratories	C12020046-002	2/3/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Lead	mg/L	ND	Energy Laboratories	C12020046-002	2/2/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Magnesium	mg/L	1	Energy Laboratories	C12020046-002	2/2/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Magnesium, SAR	meq/L	0.11	Energy Laboratories	C12020046-002	2/2/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Manganese	mg/L	0.008	Energy Laboratories	C12020046-002	2/3/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Manganese	mg/L	0.007	Energy Laboratories	C12020046-002	2/3/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Mercury	mg/L	ND	Energy Laboratories	C12020046-002	2/3/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Molybdenum	mg/L	0.001	Energy Laboratories	C12020046-002	2/3/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Nickel	mg/L	ND	Energy Laboratories	C12020046-002	2/3/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Potassium	mg/L	3	Energy Laboratories	C12020046-002	2/8/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Selenium	mg/L	ND	Energy Laboratories	C12020046-002	2/2/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Sodium	mg/L	96	Energy Laboratories	C12020046-002	2/2/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Sodium, SAR	meq/L	4.19	Energy Laboratories	C12020046-002	2/2/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Uranium	mg/L	0.0221	Energy Laboratories	C12020046-002	2/2/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Vanadium	mg/L	ND	Energy Laboratories	C12020046-002	2/3/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Zinc	mg/L	ND	Energy Laboratories	C12020046-002	2/2/2012	E200.8
Jane Dough	URZJB-9	1/31/2012	Chloride	mg/L	6	Energy Laboratories	C12020046-002	2/8/2012	E300.0
Jane Dough	URZJB-9	1/31/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12020046-002	2/8/2012	E300.0
Jane Dough	URZJB-9	1/31/2012	Sulfate	mg/L	139	Energy Laboratories	C12020046-002	2/8/2012	E300.0
Jane Dough	URZJB-9	1/31/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12020046-002	2/2/2012	E353.2
Jane Dough	URZJB-9	1/31/2012	Gross Alpha	pCi/L	59.8	Energy Laboratories	C12020046-002	2/18/2012	E900.0
Jane Dough	URZJB-9	1/31/2012	Gross Alpha MDC	pCi/L	2.4	Energy Laboratories	C12020046-002	2/18/2012	E900.0
Jane Dough	URZJB-9	1/31/2012	Gross Alpha precision (±)	pCi/L	3.8	Energy Laboratories	C12020046-002	2/18/2012	E900.0
Jane Dough	URZJB-9	1/31/2012	Gross Beta	pCi/L	14.1	Energy Laboratories	C12020046-002	2/18/2012	E900.0
Jane Dough	URZJB-9	1/31/2012	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C12020046-002	2/18/2012	E900.0
Jane Dough	URZJB-9	1/31/2012	Gross Beta precision (±)	pCi/L	1.8	Energy Laboratories	C12020046-002	2/18/2012	E900.0
Jane Dough	URZJB-9	1/31/2012	Radium 226	pCi/L	0.20	Energy Laboratories	C12020046-002	3/5/2012	E903.0
Jane Dough	URZJB-9	1/31/2012	Radium 226 MDC	pCi/L	0.09	Energy Laboratories	C12020046-002	3/5/2012	E903.0
Jane Dough	URZJB-9	1/31/2012	Radium 226 precision (±)	pCi/L	0.09	Energy Laboratories	C12020046-002	3/5/2012	E903.0
Jane Dough	URZJB-9	1/31/2012	Radium 228	pCi/L	1.5	Energy Laboratories	C12020046-002	2/27/2012	RA-05
Jane Dough	URZJB-9	1/31/2012	Radium 228 MDC	pCi/L	1.0	Energy Laboratories	C12020046-002	2/27/2012	RA-05
Jane Dough	URZJB-9	1/31/2012	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C12020046-002	2/27/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJB-9	4/5/2012	Bicarbonate as HCO3	mg/L	154	Energy Laboratories	C12040301-001	4/10/2012	A2320 B
Jane Dough	URZJB-9	4/5/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12040301-001	4/10/2012	A2320 B
Jane Dough	URZJB-9	4/5/2012	Conductivity @ 25 C	umhos/cm	554	Energy Laboratories	C12040301-001	4/9/2012	A2510 B
Jane Dough	URZJB-9	4/5/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	378	Energy Laboratories	C12040301-001	4/10/2012	A2540 C
Jane Dough	URZJB-9	4/5/2012	Fluoride	mg/L	0.1	Energy Laboratories	C12040301-001	4/9/2012	A4500-F C
Jane Dough	URZJB-9	4/5/2012	pH	s.u.	8.44	Energy Laboratories	C12040301-001	4/9/2012	A4500-H B
Jane Dough	URZJB-9	4/5/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12040301-001	4/12/2012	A4500-NH3 G
Jane Dough	URZJB-9	4/5/2012	A/C Balance (± 5)	%	1.59	Energy Laboratories	C12040301-001	4/18/2012	Calculation
Jane Dough	URZJB-9	4/5/2012	Anions	meq/L	5.55	Energy Laboratories	C12040301-001	4/18/2012	Calculation
Jane Dough	URZJB-9	4/5/2012	Cations	meq/L	5.73	Energy Laboratories	C12040301-001	4/18/2012	Calculation
Jane Dough	URZJB-9	4/5/2012	Sodium Adsorption Ratio (SAR)	unitless	7.0	Energy Laboratories	C12040301-001	4/10/2012	Calculation
Jane Dough	URZJB-9	4/5/2012	Solids, Total Dissolved Calculated	mg/L	347	Energy Laboratories	C12040301-001	4/18/2012	Calculation
Jane Dough	URZJB-9	4/5/2012	Aluminum	mg/L	ND	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Arsenic	mg/L	0.003	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Barium	mg/L	ND	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Boron	mg/L	ND	Energy Laboratories	C12040301-001	4/26/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Cadmium	mg/L	ND	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Calcium	mg/L	16	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Calcium, SAR	meq/L	0.79	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Chromium	mg/L	ND	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Copper	mg/L	ND	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Iron	mg/L	ND	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Iron	mg/L	ND	Energy Laboratories	C12040301-001	4/13/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Lead	mg/L	ND	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Magnesium	mg/L	2	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Magnesium, SAR	meq/L	0.13	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Manganese	mg/L	ND	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Manganese	mg/L	ND	Energy Laboratories	C12040301-001	4/23/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Mercury	mg/L	ND	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Nickel	mg/L	ND	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Potassium	mg/L	4	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Selenium	mg/L	ND	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Silica	mg/L	10.1	Energy Laboratories	C12040301-001	4/19/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Sodium	mg/L	108	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Sodium, SAR	meq/L	4.71	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Uranium	mg/L	0.0397	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Vanadium	mg/L	ND	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Zinc	mg/L	ND	Energy Laboratories	C12040301-001	4/10/2012	E200.8
Jane Dough	URZJB-9	4/5/2012	Chloride	mg/L	6	Energy Laboratories	C12040301-001	4/12/2012	E300.0
Jane Dough	URZJB-9	4/5/2012	Sulfate	mg/L	133	Energy Laboratories	C12040301-001	4/12/2012	E300.0
Jane Dough	URZJB-9	4/5/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12040301-001	4/11/2012	E353.2
Jane Dough	URZJB-9	4/5/2012	Gross Alpha	pCi/L	59.4	Energy Laboratories	C12040301-001	4/14/2012	E900.0
Jane Dough	URZJB-9	4/5/2012	Gross Alpha MDC	pCi/L	2.0	Energy Laboratories	C12040301-001	4/14/2012	E900.0
Jane Dough	URZJB-9	4/5/2012	Gross Alpha precision (±)	pCi/L	2.9	Energy Laboratories	C12040301-001	4/14/2012	E900.0
Jane Dough	URZJB-9	4/5/2012	Gross Beta	pCi/L	7.9	Energy Laboratories	C12040301-001	4/14/2012	E900.0
Jane Dough	URZJB-9	4/5/2012	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C12040301-001	4/14/2012	E900.0
Jane Dough	URZJB-9	4/5/2012	Gross Beta precision (±)	pCi/L	1.8	Energy Laboratories	C12040301-001	4/14/2012	E900.0
Jane Dough	URZJB-9	4/5/2012	Radium 226	pCi/L	0.16	Energy Laboratories	C12040301-001	4/24/2012	E903.0
Jane Dough	URZJB-9	4/5/2012	Radium 226 MDC	pCi/L	0.14	Energy Laboratories	C12040301-001	4/24/2012	E903.0
Jane Dough	URZJB-9	4/5/2012	Radium 226 precision (±)	pCi/L	0.11	Energy Laboratories	C12040301-001	4/24/2012	E903.0
Jane Dough	URZJB-9	4/5/2012	Radium 228	pCi/L	1.9	Energy Laboratories	C12040301-001	4/17/2012	RA-05
Jane Dough	URZJB-9	4/5/2012	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C12040301-001	4/17/2012	RA-05
Jane Dough	URZJB-9	4/5/2012	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories	C12040301-001	4/17/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJB-15	3/14/2012	Bicarbonate as HCO3	mg/L	132	Energy Laboratories	C12030580-001	3/16/2012	A2320 B
Jane Dough	URZJB-15	3/14/2012	Carbonate as CO3	mg/L	16	Energy Laboratories	C12030580-001	3/16/2012	A2320 B
Jane Dough	URZJB-15	3/14/2012	Conductivity @ 25 C	umhos/cm	536	Energy Laboratories	C12030580-001	3/16/2012	A2510 B
Jane Dough	URZJB-15	3/14/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	339	Energy Laboratories	C12030580-001	3/16/2012	A2540 C
Jane Dough	URZJB-15	3/14/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12030580-001	3/16/2012	A4500-F C
Jane Dough	URZJB-15	3/14/2012	pH	s.u.	9.44	Energy Laboratories	C12030580-001	3/16/2012	A4500-H B
Jane Dough	URZJB-15	3/14/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12030580-001	3/20/2012	A4500-NH3 G
Jane Dough	URZJB-15	3/14/2012	A/C Balance (± 5)	%	1.89	Energy Laboratories	C12030580-001	3/21/2012	Calculation
Jane Dough	URZJB-15	3/14/2012	Anions	meq/L	5.26	Energy Laboratories	C12030580-001	3/21/2012	Calculation
Jane Dough	URZJB-15	3/14/2012	Cations	meq/L	5.46	Energy Laboratories	C12030580-001	3/21/2012	Calculation
Jane Dough	URZJB-15	3/14/2012	Sodium Adsorption Ratio (SAR)	unitless	11.1	Energy Laboratories	C12030580-001	3/19/2012	Calculation
Jane Dough	URZJB-15	3/14/2012	Solids, Total Dissolved Calculated	mg/L	341	Energy Laboratories	C12030580-001	3/21/2012	Calculation
Jane Dough	URZJB-15	3/14/2012	Boron	mg/L	ND	Energy Laboratories	C12030580-001	3/19/2012	E200.7
Jane Dough	URZJB-15	3/14/2012	Calcium	mg/L	7	Energy Laboratories	C12030580-001	3/19/2012	E200.7
Jane Dough	URZJB-15	3/14/2012	Calcium, SAR	meq/L	0.33	Energy Laboratories	C12030580-001	3/19/2012	E200.7
Jane Dough	URZJB-15	3/14/2012	Iron	mg/L	ND	Energy Laboratories	C12030580-001	3/19/2012	E200.7
Jane Dough	URZJB-15	3/14/2012	Iron	mg/L	ND	Energy Laboratories	C12030580-001	3/19/2012	E200.7
Jane Dough	URZJB-15	3/14/2012	Magnesium	mg/L	ND	Energy Laboratories	C12030580-001	3/19/2012	E200.7
Jane Dough	URZJB-15	3/14/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12030580-001	3/19/2012	E200.7
Jane Dough	URZJB-15	3/14/2012	Manganese	mg/L	ND	Energy Laboratories	C12030580-001	3/19/2012	E200.7
Jane Dough	URZJB-15	3/14/2012	Potassium	mg/L	7	Energy Laboratories	C12030580-001	3/19/2012	E200.7
Jane Dough	URZJB-15	3/14/2012	Silica	mg/L	10.2	Energy Laboratories	C12030580-001	3/19/2012	E200.7
Jane Dough	URZJB-15	3/14/2012	Sodium	mg/L	112	Energy Laboratories	C12030580-001	3/19/2012	E200.7
Jane Dough	URZJB-15	3/14/2012	Sodium, SAR	meq/L	4.89	Energy Laboratories	C12030580-001	3/19/2012	E200.7
Jane Dough	URZJB-15	3/14/2012	Aluminum	mg/L	ND	Energy Laboratories	C12030580-001	3/17/2012	E200.8
Jane Dough	URZJB-15	3/14/2012	Arsenic	mg/L	0.006	Energy Laboratories	C12030580-001	3/17/2012	E200.8
Jane Dough	URZJB-15	3/14/2012	Barium	mg/L	ND	Energy Laboratories	C12030580-001	3/17/2012	E200.8
Jane Dough	URZJB-15	3/14/2012	Cadmium	mg/L	ND	Energy Laboratories	C12030580-001	3/17/2012	E200.8
Jane Dough	URZJB-15	3/14/2012	Chromium	mg/L	ND	Energy Laboratories	C12030580-001	3/17/2012	E200.8
Jane Dough	URZJB-15	3/14/2012	Copper	mg/L	ND	Energy Laboratories	C12030580-001	3/17/2012	E200.8
Jane Dough	URZJB-15	3/14/2012	Lead	mg/L	ND	Energy Laboratories	C12030580-001	3/17/2012	E200.8
Jane Dough	URZJB-15	3/14/2012	Manganese	mg/L	ND	Energy Laboratories	C12030580-001	3/17/2012	E200.8
Jane Dough	URZJB-15	3/14/2012	Mercury	mg/L	ND	Energy Laboratories	C12030580-001	3/17/2012	E200.8
Jane Dough	URZJB-15	3/14/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12030580-001	3/17/2012	E200.8
Jane Dough	URZJB-15	3/14/2012	Nickel	mg/L	ND	Energy Laboratories	C12030580-001	3/17/2012	E200.8
Jane Dough	URZJB-15	3/14/2012	Selenium	mg/L	ND	Energy Laboratories	C12030580-001	3/17/2012	E200.8
Jane Dough	URZJB-15	3/14/2012	Uranium	mg/L	0.0371	Energy Laboratories	C12030580-001	3/17/2012	E200.8
Jane Dough	URZJB-15	3/14/2012	Vanadium	mg/L	ND	Energy Laboratories	C12030580-001	3/17/2012	E200.8
Jane Dough	URZJB-15	3/14/2012	Zinc	mg/L	ND	Energy Laboratories	C12030580-001	3/17/2012	E200.8
Jane Dough	URZJB-15	3/14/2012	Chloride	mg/L	6	Energy Laboratories	C12030580-001	3/17/2012	E300.0
Jane Dough	URZJB-15	3/14/2012	Sulfate	mg/L	114	Energy Laboratories	C12030580-001	3/17/2012	E300.0
Jane Dough	URZJB-15	3/14/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12030580-001	3/19/2012	E353.2
Jane Dough	URZJB-15	3/14/2012	Gross Alpha	pCi/L	45.3	Energy Laboratories	C12030580-001	3/23/2012	E900.0
Jane Dough	URZJB-15	3/14/2012	Gross Alpha MDC	pCi/L	2.5	Energy Laboratories	C12030580-001	3/23/2012	E900.0
Jane Dough	URZJB-15	3/14/2012	Gross Alpha precision (±)	pCi/L	3.3	Energy Laboratories	C12030580-001	3/23/2012	E900.0
Jane Dough	URZJB-15	3/14/2012	Gross Beta	pCi/L	10.9	Energy Laboratories	C12030580-001	3/23/2012	E900.0
Jane Dough	URZJB-15	3/14/2012	Gross Beta MDC	pCi/L	3.0	Energy Laboratories	C12030580-001	3/23/2012	E900.0
Jane Dough	URZJB-15	3/14/2012	Gross Beta precision (±)	pCi/L	2.0	Energy Laboratories	C12030580-001	3/23/2012	E900.0
Jane Dough	URZJB-15	3/14/2012	Radium 226	pCi/L	0.23	Energy Laboratories	C12030580-001	3/27/2012	E903.0
Jane Dough	URZJB-15	3/14/2012	Radium 226 MDC	pCi/L	0.13	Energy Laboratories	C12030580-001	3/27/2012	E903.0
Jane Dough	URZJB-15	3/14/2012	Radium 226 precision (±)	pCi/L	0.11	Energy Laboratories	C12030580-001	3/27/2012	E903.0
Jane Dough	URZJB-15	3/14/2012	Radium 228	pCi/L	1.1	Energy Laboratories	C12030580-001	3/22/2012	RA-05
Jane Dough	URZJB-15	3/14/2012	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C12030580-001	3/22/2012	RA-05
Jane Dough	URZJB-15	3/14/2012	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C12030580-001	3/22/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJB-15	6/27/2012	A/C Balance (± 5)	%	4.95	Energy Laboratories	C12061172-001	7/16/2012	A1030 E
Jane Dough	URZJB-15	6/27/2012	Anions	meq/L	5.16	Energy Laboratories	C12061172-001	7/16/2012	A1030 E
Jane Dough	URZJB-15	6/27/2012	Cations	meq/L	5.70	Energy Laboratories	C12061172-001	7/16/2012	A1030 E
Jane Dough	URZJB-15	6/27/2012	Solids, Total Dissolved Calculated	mg/L	340	Energy Laboratories	C12061172-001	7/16/2012	A1030 E
Jane Dough	URZJB-15	6/27/2012	TDS Balance (0.80 - 1.20)		1.05	Energy Laboratories	C12061172-001	7/16/2012	A1030 E
Jane Dough	URZJB-15	6/27/2012	Alkalinity, Total as CaCO3	mg/L	130	Energy Laboratories	C12061172-001	6/28/2012	A2320 B
Jane Dough	URZJB-15	6/27/2012	Bicarbonate as HCO3	mg/L	143	Energy Laboratories	C12061172-001	6/28/2012	A2320 B
Jane Dough	URZJB-15	6/27/2012	Carbonate as CO3	mg/L	8	Energy Laboratories	C12061172-001	6/28/2012	A2320 B
Jane Dough	URZJB-15	6/27/2012	Conductivity @ 25 C	umhos/cm	539	Energy Laboratories	C12061172-001	6/28/2012	A2510 B
Jane Dough	URZJB-15	6/27/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	359	Energy Laboratories	C12061172-001	6/29/2012	A2540 C
Jane Dough	URZJB-15	6/27/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12061172-001	6/28/2012	A4500-F C
Jane Dough	URZJB-15	6/27/2012	pH	s.u.	9.19	Energy Laboratories	C12061172-001	6/28/2012	A4500-H B
Jane Dough	URZJB-15	6/27/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12061172-001	7/5/2012	A4500-NH3 G
Jane Dough	URZJB-15	6/27/2012	Aluminum	mg/L	ND	Energy Laboratories	C12061172-001	7/12/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Barium	mg/L	ND	Energy Laboratories	C12061172-001	7/12/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Boron	mg/L	ND	Energy Laboratories	C12061172-001	7/12/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Cadmium	mg/L	ND	Energy Laboratories	C12061172-001	7/12/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Calcium	mg/L	7	Energy Laboratories	C12061172-001	7/12/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Calcium, SAR	meq/L	0.33	Energy Laboratories	C12061172-001	7/12/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Chromium	mg/L	ND	Energy Laboratories	C12061172-001	7/12/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Copper	mg/L	ND	Energy Laboratories	C12061172-001	7/12/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Iron	mg/L	ND	Energy Laboratories	C12061172-001	7/12/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Iron	mg/L	ND	Energy Laboratories	C12061172-001	7/11/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Magnesium	mg/L	ND	Energy Laboratories	C12061172-001	7/12/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12061172-001	7/12/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Manganese	mg/L	ND	Energy Laboratories	C12061172-001	7/12/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Manganese	mg/L	ND	Energy Laboratories	C12061172-001	7/11/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12061172-001	7/12/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Nickel	mg/L	ND	Energy Laboratories	C12061172-001	7/12/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Potassium	mg/L	6	Energy Laboratories	C12061172-001	7/12/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Silica	mg/L	10.4	Energy Laboratories	C12061172-001	7/12/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Sodium	mg/L	119	Energy Laboratories	C12061172-001	7/12/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Sodium, SAR	meq/L	5.16	Energy Laboratories	C12061172-001	7/12/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Vanadium	mg/L	ND	Energy Laboratories	C12061172-001	7/12/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Zinc	mg/L	0.01	Energy Laboratories	C12061172-001	7/12/2012	E200.7
Jane Dough	URZJB-15	6/27/2012	Arsenic	mg/L	0.005	Energy Laboratories	C12061172-001	7/15/2012	E200.8
Jane Dough	URZJB-15	6/27/2012	Lead	mg/L	ND	Energy Laboratories	C12061172-001	7/15/2012	E200.8
Jane Dough	URZJB-15	6/27/2012	Mercury	mg/L	ND	Energy Laboratories	C12061172-001	7/15/2012	E200.8
Jane Dough	URZJB-15	6/27/2012	Selenium	mg/L	ND	Energy Laboratories	C12061172-001	7/15/2012	E200.8
Jane Dough	URZJB-15	6/27/2012	Uranium	mg/L	0.0452	Energy Laboratories	C12061172-001	7/15/2012	E200.8
Jane Dough	URZJB-15	6/27/2012	Chloride	mg/L	6	Energy Laboratories	C12061172-001	7/4/2012	E300.0
Jane Dough	URZJB-15	6/27/2012	Sulfate	mg/L	114	Energy Laboratories	C12061172-001	7/4/2012	E300.0
Jane Dough	URZJB-15	6/27/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12061172-001	7/2/2012	E353.2
Jane Dough	URZJB-15	6/27/2012	Gross Alpha	pCi/L	45.4	Energy Laboratories	C12061172-001	8/9/2012	E900.0
Jane Dough	URZJB-15	6/27/2012	Gross Alpha MDC	pCi/L	1.9	Energy Laboratories	C12061172-001	8/9/2012	E900.0
Jane Dough	URZJB-15	6/27/2012	Gross Alpha precision (±)	pCi/L	2.5	Energy Laboratories	C12061172-001	8/9/2012	E900.0
Jane Dough	URZJB-15	6/27/2012	Gross Beta	pCi/L	15.8	Energy Laboratories	C12061172-001	8/9/2012	E900.0
Jane Dough	URZJB-15	6/27/2012	Gross Beta MDC	pCi/L	2.5	Energy Laboratories	C12061172-001	8/9/2012	E900.0
Jane Dough	URZJB-15	6/27/2012	Gross Beta precision (±)	pCi/L	1.9	Energy Laboratories	C12061172-001	8/9/2012	E900.0
Jane Dough	URZJB-15	6/27/2012	Radium 226	pCi/L	0.15	Energy Laboratories	C12061172-001	7/21/2012	E903.0
Jane Dough	URZJB-15	6/27/2012	Radium 226 MDC	pCi/L	0.23	Energy Laboratories	C12061172-001	7/21/2012	E903.0
Jane Dough	URZJB-15	6/27/2012	Radium 226 precision (±)	pCi/L	0.16	Energy Laboratories	C12061172-001	7/21/2012	E903.0
Jane Dough	URZJB-15	6/27/2012	Radium 228	pCi/L	0.1	Energy Laboratories	C12061172-001	7/16/2012	RA-05
Jane Dough	URZJB-15	6/27/2012	Radium 228 MDC	pCi/L	1.4	Energy Laboratories	C12061172-001	7/16/2012	RA-05
Jane Dough	URZJB-15	6/27/2012	Radium 228 precision (±)	pCi/L	0.9	Energy Laboratories	C12061172-001	7/16/2012	RA-05
Jane Dough	URZJB-15	6/27/2012	Sodium Adsorption Ratio (SAR)	unitless	11.5	Energy Laboratories	C12061172-001	7/12/2012	USDA20B

Mine_Name	Station_Name	Samp_Date	Parameter_Name	Units	Parameter_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Meth
Jane Dough	URZJB-15	10/2/2012	Chloride	mg/L	6	Energy Laboratories	C12100134-002	10/4/2012	E300.0
Jane Dough	URZJB-15	10/2/2012	Sulfate	mg/L	116	Energy Laboratories	C12100134-002	10/4/2012	E300.0
Jane Dough	URZJB-15	10/2/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12100134-002	10/4/2012	E353.2
Jane Dough	URZJB-15	10/2/2012	Gross Alpha	pCi/L	54.2	Energy Laboratories	C12100134-002	10/17/2012	E900.0
Jane Dough	URZJB-15	10/2/2012	Gross Alpha MDC	pCi/L	1.7	Energy Laboratories	C12100134-002	10/17/2012	E900.0
Jane Dough	URZJB-15	10/2/2012	Gross Alpha precision (±)	pCi/L	2.6	Energy Laboratories	C12100134-002	10/17/2012	E900.0
Jane Dough	URZJB-15	10/2/2012	Gross Beta	pCi/L	6.9	Energy Laboratories	C12100134-002	10/17/2012	E900.0
Jane Dough	URZJB-15	10/2/2012	Gross Beta MDC	pCi/L	2.7	Energy Laboratories	C12100134-002	10/17/2012	E900.0
Jane Dough	URZJB-15	10/2/2012	Gross Beta precision (±)	pCi/L	1.8	Energy Laboratories	C12100134-002	10/17/2012	E900.0
Jane Dough	URZJB-15	10/2/2012	Radium 226	pCi/L	0.07	Energy Laboratories	C12100134-002	10/15/2012	E903.0
Jane Dough	URZJB-15	10/2/2012	Radium 226 MDC	pCi/L	0.15	Energy Laboratories	C12100134-002	10/15/2012	E903.0
Jane Dough	URZJB-15	10/2/2012	Radium 226 precision (±)	pCi/L	0.1	Energy Laboratories	C12100134-002	10/15/2012	E903.0
Jane Dough	URZJB-15	10/2/2012	Radium 228	pCi/L	-0.4	Energy Laboratories	C12100134-002	10/9/2012	RA-05
Jane Dough	URZJB-15	10/2/2012	Radium 228 MDC	pCi/L	1.5	Energy Laboratories	C12100134-002	10/9/2012	RA-05
Jane Dough	URZJB-15	10/2/2012	Radium 228 precision (±)	pCi/L	0.9	Energy Laboratories	C12100134-002	10/9/2012	RA-05
Jane Dough	URZJB-15	10/2/2012	Sodium Adsorption Ratio (SAR)	unitless	9.4	Energy Laboratories	C12100134-002	10/9/2012	USDA20B
Jane Dough	URZJB-15	10/2/2012	A/C Balance (± 5)	%	-1.32	Energy Laboratories	C12100134-002	10/10/2012	A1030 E
Jane Dough	URZJB-15	10/2/2012	Anions	meq/L	24.8	Energy Laboratories	C12100134-002	10/10/2012	A1030 E
Jane Dough	URZJB-15	10/2/2012	Cations	meq/L	24.1	Energy Laboratories	C12100134-002	10/10/2012	A1030 E
Jane Dough	URZJB-15	10/2/2012	A/C Balance (± 5)	%	-4.21	Energy Laboratories	C12100134-002	10/10/2012	A1030 E
Jane Dough	URZJB-15	10/2/2012	Anions	meq/L	5.32	Energy Laboratories	C12100134-002	10/10/2012	A1030 E
Jane Dough	URZJB-15	10/2/2012	Cations	meq/L	4.89	Energy Laboratories	C12100134-002	10/10/2012	A1030 E
Jane Dough	URZJB-15	10/2/2012	Solids, Total Dissolved Calculated	mg/L	320	Energy Laboratories	C12100134-002	10/10/2012	A1030 E
Jane Dough	URZJB-15	10/2/2012	TDS Balance (0.80 - 1.20)		1.05	Energy Laboratories	C12100134-002	10/10/2012	A1030 E
Jane Dough	URZJB-15	10/2/2012	Alkalinity, Total as CaCO3	mg/L	136	Energy Laboratories	C12100134-002	10/4/2012	A2320 B
Jane Dough	URZJB-15	10/2/2012	Bicarbonate as HCO3	mg/L	141	Energy Laboratories	C12100134-002	10/4/2012	A2320 B
Jane Dough	URZJB-15	10/2/2012	Carbonate as CO3	mg/L	12	Energy Laboratories	C12100134-002	10/4/2012	A2320 B
Jane Dough	URZJB-15	10/2/2012	Conductivity @ 25 C	umhos/cm	540	Energy Laboratories	C12100134-002	10/4/2012	A2510 B
Jane Dough	URZJB-15	10/2/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	332	Energy Laboratories	C12100134-002	10/4/2012	A2540 C
Jane Dough	URZJB-15	10/2/2012	Fluoride	mg/L	0.3	Energy Laboratories	C12100134-002	10/5/2012	A4500-F C
Jane Dough	URZJB-15	10/2/2012	pH	s.u.	9.09	Energy Laboratories	C12100134-002	10/4/2012	A4500-H B
Jane Dough	URZJB-15	10/2/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12100134-002	10/8/2012	A4500-NH3 G
Jane Dough	URZJB-15	10/2/2012	Silica	mg/L	10.5	Energy Laboratories	C12100134-002	10/16/2012	E200.7
Jane Dough	URZJB-15	10/2/2012	Aluminum	mg/L	ND	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Arsenic	mg/L	0.004	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Barium	mg/L	ND	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Boron	mg/L	ND	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Cadmium	mg/L	ND	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Calcium	mg/L	7	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Calcium, SAR	meq/L	0.36	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Chromium	mg/L	ND	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Copper	mg/L	ND	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Iron	mg/L	ND	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Iron	mg/L	ND	Energy Laboratories	C12100134-002	10/16/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Lead	mg/L	ND	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Magnesium	mg/L	ND	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Manganese	mg/L	ND	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Manganese	mg/L	ND	Energy Laboratories	C12100134-002	10/16/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Mercury	mg/L	ND	Energy Laboratories	C12100134-002	10/11/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Nickel	mg/L	ND	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Potassium	mg/L	4	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Selenium	mg/L	ND	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Sodium	mg/L	100	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Sodium, SAR	meq/L	4.37	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Uranium	mg/L	0.0481	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Vanadium	mg/L	ND	Energy Laboratories	C12100134-002	10/9/2012	E200.8
Jane Dough	URZJB-15	10/2/2012	Zinc	mg/L	ND	Energy Laboratories	C12100134-002	10/9/2012	E200.8

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJB-15	11/7/2012	A/C Balance (± 5)	%	-1.35	Energy Laboratories	C12110307-003	11/29/2012	A1030 E
Jane Dough	URZJB-15	11/7/2012	Anions	meq/L	5.49	Energy Laboratories	C12110307-003	11/29/2012	A1030 E
Jane Dough	URZJB-15	11/7/2012	Cations	meq/L	5.34	Energy Laboratories	C12110307-003	11/29/2012	A1030 E
Jane Dough	URZJB-15	11/7/2012	Solids, Total Dissolved Calculated	mg/L	340	Energy Laboratories	C12110307-003	11/29/2012	A1030 E
Jane Dough	URZJB-15	11/7/2012	TDS Balance (0.80 - 1.20)		0.990	Energy Laboratories	C12110307-003	11/29/2012	A1030 E
Jane Dough	URZJB-15	11/7/2012	Alkalinity, Total as CaCO3	mg/L	143	Energy Laboratories	C12110307-003	11/8/2012	A2320 B
Jane Dough	URZJB-15	11/7/2012	Bicarbonate as HCO3	mg/L	155	Energy Laboratories	C12110307-003	11/8/2012	A2320 B
Jane Dough	URZJB-15	11/7/2012	Carbonate as CO3	mg/L	10	Energy Laboratories	C12110307-003	11/8/2012	A2320 B
Jane Dough	URZJB-15	11/7/2012	Conductivity @ 25 C	umhos/cm	532	Energy Laboratories	C12110307-003	11/8/2012	A2510 B
Jane Dough	URZJB-15	11/7/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	340	Energy Laboratories	C12110307-003	11/9/2012	A2540 C
Jane Dough	URZJB-15	11/7/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12110307-003	11/9/2012	A4500-F C
Jane Dough	URZJB-15	11/7/2012	pH	s.u.	9.06	Energy Laboratories	C12110307-003	11/8/2012	A4500-H B
Jane Dough	URZJB-15	11/7/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12110307-003	11/13/2012	A4500-NH3 G
Jane Dough	URZJB-15	11/7/2012	Aluminum	mg/L	ND	Energy Laboratories	C12110307-003	11/21/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Barium	mg/L	ND	Energy Laboratories	C12110307-003	11/21/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Boron	mg/L	ND	Energy Laboratories	C12110307-003	11/21/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Cadmium	mg/L	ND	Energy Laboratories	C12110307-003	11/27/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Calcium	mg/L	7	Energy Laboratories	C12110307-003	11/21/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Calcium, SAR	meq/L	0.37	Energy Laboratories	C12110307-003	11/21/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Chromium	mg/L	ND	Energy Laboratories	C12110307-003	11/27/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Copper	mg/L	ND	Energy Laboratories	C12110307-003	11/27/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Iron	mg/L	ND	Energy Laboratories	C12110307-003	11/21/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Iron	mg/L	ND	Energy Laboratories	C12110307-003	11/15/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Magnesium	mg/L	ND	Energy Laboratories	C12110307-003	11/21/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12110307-003	11/21/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Manganese	mg/L	ND	Energy Laboratories	C12110307-003	11/21/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12110307-003	11/21/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Nickel	mg/L	ND	Energy Laboratories	C12110307-003	11/27/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Potassium	mg/L	4	Energy Laboratories	C12110307-003	11/27/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Silica	mg/L	9.2	Energy Laboratories	C12110307-003	11/21/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Sodium	mg/L	110	Energy Laboratories	C12110307-003	11/21/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Sodium, SAR	meq/L	4.78	Energy Laboratories	C12110307-003	11/21/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Vanadium	mg/L	ND	Energy Laboratories	C12110307-003	11/21/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Zinc	mg/L	ND	Energy Laboratories	C12110307-003	11/21/2012	E200.7
Jane Dough	URZJB-15	11/7/2012	Arsenic	mg/L	0.004	Energy Laboratories	C12110307-003	11/26/2012	E200.8
Jane Dough	URZJB-15	11/7/2012	Lead	mg/L	ND	Energy Laboratories	C12110307-003	11/26/2012	E200.8
Jane Dough	URZJB-15	11/7/2012	Manganese	mg/L	ND	Energy Laboratories	C12110307-003	11/15/2012	E200.8
Jane Dough	URZJB-15	11/7/2012	Mercury	mg/L	ND	Energy Laboratories	C12110307-003	11/26/2012	E200.8
Jane Dough	URZJB-15	11/7/2012	Selenium	mg/L	ND	Energy Laboratories	C12110307-003	11/26/2012	E200.8
Jane Dough	URZJB-15	11/7/2012	Uranium	mg/L	0.0447	Energy Laboratories	C12110307-003	11/26/2012	E200.8
Jane Dough	URZJB-15	11/7/2012	Chloride	mg/L	6	Energy Laboratories	C12110307-003	11/9/2012	E300.0
Jane Dough	URZJB-15	11/7/2012	Sulfate	mg/L	117	Energy Laboratories	C12110307-003	11/9/2012	E300.0
Jane Dough	URZJB-15	11/7/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12110307-003	11/8/2012	E353.2
Jane Dough	URZJB-15	11/7/2012	Gross Alpha	pCi/L	48.8	Energy Laboratories	C12110307-003	12/3/2012	E900.0
Jane Dough	URZJB-15	11/7/2012	Gross Alpha MDC	pCi/L	1.7	Energy Laboratories	C12110307-003	12/3/2012	E900.0
Jane Dough	URZJB-15	11/7/2012	Gross Alpha precision (±)	pCi/L	2.5	Energy Laboratories	C12110307-003	12/3/2012	E900.0
Jane Dough	URZJB-15	11/7/2012	Gross Beta	pCi/L	12.5	Energy Laboratories	C12110307-003	12/3/2012	E900.0
Jane Dough	URZJB-15	11/7/2012	Gross Beta MDC	pCi/L	2.7	Energy Laboratories	C12110307-003	12/3/2012	E900.0
Jane Dough	URZJB-15	11/7/2012	Gross Beta precision (±)	pCi/L	1.9	Energy Laboratories	C12110307-003	12/3/2012	E900.0
Jane Dough	URZJB-15	11/7/2012	Radium 226	pCi/L	0.12	Energy Laboratories	C12110307-003	11/29/2012	E903.0
Jane Dough	URZJB-15	11/7/2012	Radium 226 MDC	pCi/L	0.09	Energy Laboratories	C12110307-003	11/29/2012	E903.0
Jane Dough	URZJB-15	11/7/2012	Radium 226 precision (±)	pCi/L	0.07	Energy Laboratories	C12110307-003	11/29/2012	E903.0
Jane Dough	URZJB-15	11/7/2012	Radium 228	pCi/L	4.6	Energy Laboratories	C12110307-003	11/19/2012	RA-05
Jane Dough	URZJB-15	11/7/2012	Radium 228 MDC	pCi/L	1.2	Energy Laboratories	C12110307-003	11/19/2012	RA-05
Jane Dough	URZJB-15	11/7/2012	Radium 228 precision (±)	pCi/L	0.95	Energy Laboratories	C12110307-003	11/19/2012	RA-05
Jane Dough	URZJB-15	11/7/2012	Sodium Adsorption Ratio (SAR)	unitless	10.1	Energy Laboratories	C12110307-003	11/28/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJB-15	1/16/2013	A/C Balance (± 5)	%	2.60	Energy Laboratories	C13010544-001	1/23/2013	A1030 E
Jane Dough	URZJB-15	1/16/2013	Anions	meq/L	5.40	Energy Laboratories	C13010544-001	1/23/2013	A1030 E
Jane Dough	URZJB-15	1/16/2013	Cations	meq/L	5.68	Energy Laboratories	C13010544-001	1/23/2013	A1030 E
Jane Dough	URZJB-15	1/16/2013	Solids, Total Dissolved Calculated	mg/L	350	Energy Laboratories	C13010544-001	1/23/2013	A1030 E
Jane Dough	URZJB-15	1/16/2013	TDS Balance (0.80 - 1.20)		0.940	Energy Laboratories	C13010544-001	1/23/2013	A1030 E
Jane Dough	URZJB-15	1/16/2013	Alkalinity, Total as CaCO3	mg/L	133	Energy Laboratories	C13010544-001	1/17/2013	A2320 B
Jane Dough	URZJB-15	1/16/2013	Bicarbonate as HCO3	mg/L	154	Energy Laboratories	C13010544-001	1/17/2013	A2320 B
Jane Dough	URZJB-15	1/16/2013	Carbonate as CO3	mg/L	ND	Energy Laboratories	C13010544-001	1/17/2013	A2320 B
Jane Dough	URZJB-15	1/16/2013	Conductivity @ 25 C	umhos/cm	545	Energy Laboratories	C13010544-001	1/17/2013	A2510 B
Jane Dough	URZJB-15	1/16/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	330	Energy Laboratories	C13010544-001	1/18/2013	A2540 C
Jane Dough	URZJB-15	1/16/2013	Fluoride	mg/L	0.2	Energy Laboratories	C13010544-001	1/18/2013	A4500-F C
Jane Dough	URZJB-15	1/16/2013	pH	s.u.	8.75	Energy Laboratories	C13010544-001	1/17/2013	A4500-H B
Jane Dough	URZJB-15	1/16/2013	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C13010544-001	1/22/2013	A4500-NH3 G
Jane Dough	URZJB-15	1/16/2013	Aluminum	mg/L	ND	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Barium	mg/L	ND	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Boron	mg/L	ND	Energy Laboratories	C13010544-001	1/23/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Cadmium	mg/L	ND	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Calcium	mg/L	8	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Calcium, SAR	meq/L	0.42	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Chromium	mg/L	ND	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Copper	mg/L	ND	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Iron	mg/L	ND	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Iron	mg/L	ND	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Magnesium	mg/L	1	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Magnesium, SAR	meq/L	0.08	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Manganese	mg/L	ND	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Manganese	mg/L	ND	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Molybdenum	mg/L	ND	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Nickel	mg/L	ND	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Potassium	mg/L	3	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Silica	mg/L	10.4	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Sodium	mg/L	117	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Sodium, SAR	meq/L	5.10	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Vanadium	mg/L	ND	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Zinc	mg/L	ND	Energy Laboratories	C13010544-001	1/21/2013	E200.7
Jane Dough	URZJB-15	1/16/2013	Arsenic	mg/L	0.005	Energy Laboratories	C13010544-001	1/21/2013	E200.8
Jane Dough	URZJB-15	1/16/2013	Lead	mg/L	ND	Energy Laboratories	C13010544-001	1/21/2013	E200.8
Jane Dough	URZJB-15	1/16/2013	Mercury	mg/L	ND	Energy Laboratories	C13010544-001	1/21/2013	E200.8
Jane Dough	URZJB-15	1/16/2013	Selenium	mg/L	ND	Energy Laboratories	C13010544-001	1/21/2013	E200.8
Jane Dough	URZJB-15	1/16/2013	Uranium	mg/L	0.0462	Energy Laboratories	C13010544-001	1/21/2013	E200.8
Jane Dough	URZJB-15	1/16/2013	Chloride	mg/L	6	Energy Laboratories	C13010544-001	1/18/2013	E300.0
Jane Dough	URZJB-15	1/16/2013	Sulfate	mg/L	122	Energy Laboratories	C13010544-001	1/18/2013	E300.0
Jane Dough	URZJB-15	1/16/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C13010544-001	1/18/2013	E353.2
Jane Dough	URZJB-15	1/16/2013	Gross Alpha	pCi/L	52.0	Energy Laboratories	C13010544-001	2/9/2013	E900.0
Jane Dough	URZJB-15	1/16/2013	Gross Alpha MDC	pCi/L	1.6	Energy Laboratories	C13010544-001	2/9/2013	E900.0
Jane Dough	URZJB-15	1/16/2013	Gross Alpha precision (±)	pCi/L	2.6	Energy Laboratories	C13010544-001	2/9/2013	E900.0
Jane Dough	URZJB-15	1/16/2013	Gross Beta	pCi/L	13.5	Energy Laboratories	C13010544-001	2/9/2013	E900.0
Jane Dough	URZJB-15	1/16/2013	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C13010544-001	2/9/2013	E900.0
Jane Dough	URZJB-15	1/16/2013	Gross Beta precision (±)	pCi/L	1.9	Energy Laboratories	C13010544-001	2/9/2013	E900.0
Jane Dough	URZJB-15	1/16/2013	Radium 226	pCi/L	0.15	Energy Laboratories	C13010544-001	2/1/2013	E903.0
Jane Dough	URZJB-15	1/16/2013	Radium 226 MDC	pCi/L	0.16	Energy Laboratories	C13010544-001	2/1/2013	E903.0
Jane Dough	URZJB-15	1/16/2013	Radium 226 precision (±)	pCi/L	0.11	Energy Laboratories	C13010544-001	2/1/2013	E903.0
Jane Dough	URZJB-15	1/16/2013	Radium 228	pCi/L	0.5	Energy Laboratories	C13010544-001	1/27/2013	RA-05
Jane Dough	URZJB-15	1/16/2013	Radium 228 MDC	pCi/L	1.3	Energy Laboratories	C13010544-001	1/27/2013	RA-05
Jane Dough	URZJB-15	1/16/2013	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories	C13010544-001	1/27/2013	RA-05
Jane Dough	URZJB-15	1/16/2013	Sodium Adsorption Ratio (SAR)	unitless	10.2	Energy Laboratories	C13010544-001	1/21/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJB-21	9/28/2011	A/C Balance (± 5)	%	-0.389	Energy Laboratories	C11091081-001A	10/21/2011	Calculation
Jane Dough	URZJB-21	9/28/2011	Anions	meq/L	5.15	Energy Laboratories	C11091081-001A	10/21/2011	Calculation
Jane Dough	URZJB-21	9/28/2011	Bicarbonate as HCO3	mg/L	140	Energy Laboratories	C11091081-001A	9/29/2011	A2320 B
Jane Dough	URZJB-21	9/28/2011	Carbonate as CO3	mg/L	<5	Energy Laboratories	C11091081-001A	9/29/2011	A2320 B
Jane Dough	URZJB-21	9/28/2011	Cations	meq/L	5.11	Energy Laboratories	C11091081-001A	10/21/2011	Calculation
Jane Dough	URZJB-21	9/28/2011	Chloride	mg/L	7	Energy Laboratories	C11091081-001A	10/7/2011	E300.0
Jane Dough	URZJB-21	9/28/2011	Conductivity @ 25 C	umhos/cm	509	Energy Laboratories	C11091081-001A	9/29/2011	A2510 B
Jane Dough	URZJB-21	9/28/2011	Fluoride	mg/L	0.4	Energy Laboratories	C11091081-001A	10/7/2011	E300.0
Jane Dough	URZJB-21	9/28/2011	pH	s.u.	8.65	Energy Laboratories	C11091081-001A	9/29/2011	A4500-H B
Jane Dough	URZJB-21	9/28/2011	Solids, Total Dissolved Calculated	mg/L	327	Energy Laboratories	C11091081-001A	10/21/2011	Calculation
Jane Dough	URZJB-21	9/28/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	303	Energy Laboratories	C11091081-001A	9/30/2011	A2540 C
Jane Dough	URZJB-21	9/28/2011	Sulfate	mg/L	119	Energy Laboratories	C11091081-001A	10/7/2011	E300.0
Jane Dough	URZJB-21	9/28/2011	Aluminum	mg/L	0.1	Energy Laboratories	C11091081-001A	10/19/2011	E200.7
Jane Dough	URZJB-21	9/28/2011	Arsenic	mg/L	0.003	Energy Laboratories	C11091081-001A	10/11/2011	E200.8
Jane Dough	URZJB-21	9/28/2011	Barium	mg/L	<0.1	Energy Laboratories	C11091081-001A	10/11/2011	E200.8
Jane Dough	URZJB-21	9/28/2011	Boron	mg/L	<0.1	Energy Laboratories	C11091081-001A	10/19/2011	E200.7
Jane Dough	URZJB-21	9/28/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11091081-001A	10/11/2011	E200.8
Jane Dough	URZJB-21	9/28/2011	Calcium	mg/L	7	Energy Laboratories	C11091081-001A	10/19/2011	E200.7
Jane Dough	URZJB-21	9/28/2011	Calcium, SAR	meq/L	0.34	Energy Laboratories	C11091081-001A	10/19/2011	E200.7
Jane Dough	URZJB-21	9/28/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11091081-001A	10/19/2011	E200.7
Jane Dough	URZJB-21	9/28/2011	Copper	mg/L	<0.01	Energy Laboratories	C11091081-001A	10/11/2011	E200.8
Jane Dough	URZJB-21	9/28/2011	Iron	mg/L	<0.03	Energy Laboratories	C11091081-001A	10/19/2011	E200.7
Jane Dough	URZJB-21	9/28/2011	Lead	mg/L	<0.001	Energy Laboratories	C11091081-001A	10/11/2011	E200.8
Jane Dough	URZJB-21	9/28/2011	Magnesium	mg/L	<1	Energy Laboratories	C11091081-001A	10/19/2011	E200.7
Jane Dough	URZJB-21	9/28/2011	Magnesium, SAR	meq/L	<0.0833333	Energy Laboratories	C11091081-001A	10/19/2011	E200.7
Jane Dough	URZJB-21	9/28/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11091081-001A	10/21/2011	E200.8
Jane Dough	URZJB-21	9/28/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11091081-001A	10/11/2011	E200.8
Jane Dough	URZJB-21	9/28/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11091081-001A	10/11/2011	E200.8
Jane Dough	URZJB-21	9/28/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11091081-001A	10/11/2011	E200.8
Jane Dough	URZJB-21	9/28/2011	Potassium	mg/L	3	Energy Laboratories	C11091081-001A	10/19/2011	E200.7
Jane Dough	URZJB-21	9/28/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11091081-001A	10/11/2011	E200.8
Jane Dough	URZJB-21	9/28/2011	Silica	mg/L	8.5	Energy Laboratories	C11091081-001A	10/19/2011	E200.7
Jane Dough	URZJB-21	9/28/2011	Sodium	mg/L	106	Energy Laboratories	C11091081-001A	10/19/2011	E200.7
Jane Dough	URZJB-21	9/28/2011	Sodium Adsorption Ratio (SAR)	unitless	10.2	Energy Laboratories	C11091081-001A	10/19/2011	Calculation
Jane Dough	URZJB-21	9/28/2011	Sodium, SAR	meq/L	4.63	Energy Laboratories	C11091081-001A	10/19/2011	E200.7
Jane Dough	URZJB-21	9/28/2011	Uranium	mg/L	0.0326	Energy Laboratories	C11091081-001A	10/11/2011	E200.8
Jane Dough	URZJB-21	9/28/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11091081-001A	10/21/2011	E200.8
Jane Dough	URZJB-21	9/28/2011	Zinc	mg/L	0.05	Energy Laboratories	C11091081-001A	10/19/2011	E200.7
Jane Dough	URZJB-21	9/28/2011	Iron	mg/L	<0.03	Energy Laboratories	C11091081-001A	10/21/2011	E200.8
Jane Dough	URZJB-21	9/28/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11091081-001A	10/21/2011	E200.8
Jane Dough	URZJB-21	9/28/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11091081-001A	10/14/2011	A4500-NH3 G
Jane Dough	URZJB-21	9/28/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11091081-001A	10/5/2011	E353.2
Jane Dough	URZJB-21	9/28/2011	Gross Alpha	pCi/L	33.2	Energy Laboratories	C11091081-001A	10/29/2011	E900.0
Jane Dough	URZJB-21	9/28/2011	Gross Alpha MDC	pCi/L	2.5	Energy Laboratories	C11091081-001A	10/29/2011	E900.0
Jane Dough	URZJB-21	9/28/2011	Gross Alpha precision (±)	pCi/L	2.9	Energy Laboratories	C11091081-001A	10/29/2011	E900.0
Jane Dough	URZJB-21	9/28/2011	Gross Beta	pCi/L	10.5	Energy Laboratories	C11091081-001A	10/29/2011	E900.0
Jane Dough	URZJB-21	9/28/2011	Gross Beta MDC	pCi/L	2.4	Energy Laboratories	C11091081-001A	10/29/2011	E900.0
Jane Dough	URZJB-21	9/28/2011	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C11091081-001A	10/29/2011	E900.0
Jane Dough	URZJB-21	9/28/2011	Radium 226	pCi/L	0.01	Energy Laboratories	C11091081-001A	11/14/2011	E903.0
Jane Dough	URZJB-21	9/28/2011	Radium 226 MDC	pCi/L	0.14	Energy Laboratories	C11091081-001A	11/14/2011	E903.0
Jane Dough	URZJB-21	9/28/2011	Radium 226 precision (±)	pCi/L	0.08	Energy Laboratories	C11091081-001A	11/14/2011	E903.0
Jane Dough	URZJB-21	9/28/2011	Radium 228	pCi/L	1.3	Energy Laboratories	C11091081-001A	11/8/2011	RA-05
Jane Dough	URZJB-21	9/28/2011	Radium 228 MDC	pCi/L	0.9	Energy Laboratories	C11091081-001A	11/8/2011	RA-05
Jane Dough	URZJB-21	9/28/2011	Radium 228 precision (±)	pCi/L	0.6	Energy Laboratories	C11091081-001A	11/8/2011	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJB-21A	9/28/2011	A/C Balance (± 5)	%	-0.533	Energy Laboratories	C11091081-002A	10/21/2011	Calculation
Jane Dough	URZJB-21A	9/28/2011	Anions	meq/L	5.09	Energy Laboratories	C11091081-002A	10/21/2011	Calculation
Jane Dough	URZJB-21A	9/28/2011	Bicarbonate as HCO3	mg/L	140	Energy Laboratories	C11091081-002A	9/29/2011	A2320 B
Jane Dough	URZJB-21A	9/28/2011	Carbonate as CO3	mg/L	<5	Energy Laboratories	C11091081-002A	9/29/2011	A2320 B
Jane Dough	URZJB-21A	9/28/2011	Cations	meq/L	5.03	Energy Laboratories	C11091081-002A	10/21/2011	Calculation
Jane Dough	URZJB-21A	9/28/2011	Chloride	mg/L	7	Energy Laboratories	C11091081-002A	10/7/2011	E300.0
Jane Dough	URZJB-21A	9/28/2011	Conductivity @ 25 C	umhos/cm	507	Energy Laboratories	C11091081-002A	9/29/2011	A2510 B
Jane Dough	URZJB-21A	9/28/2011	Fluoride	mg/L	0.4	Energy Laboratories	C11091081-002A	10/7/2011	E300.0
Jane Dough	URZJB-21A	9/28/2011	pH	s.u.	8.63	Energy Laboratories	C11091081-002A	9/29/2011	A4500-H B
Jane Dough	URZJB-21A	9/28/2011	Solids, Total Dissolved Calculated	mg/L	323	Energy Laboratories	C11091081-002A	10/21/2011	Calculation
Jane Dough	URZJB-21A	9/28/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	314	Energy Laboratories	C11091081-002A	9/30/2011	A2540 C
Jane Dough	URZJB-21A	9/28/2011	Sulfate	mg/L	117	Energy Laboratories	C11091081-002A	10/7/2011	E300.0
Jane Dough	URZJB-21A	9/28/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11091081-002A	10/13/2011	E200.8
Jane Dough	URZJB-21A	9/28/2011	Arsenic	mg/L	0.004	Energy Laboratories	C11091081-002A	10/20/2011	E200.8
Jane Dough	URZJB-21A	9/28/2011	Barium	mg/L	<0.1	Energy Laboratories	C11091081-002A	10/13/2011	E200.8
Jane Dough	URZJB-21A	9/28/2011	Boron	mg/L	<0.1	Energy Laboratories	C11091081-002A	10/13/2011	E200.8
Jane Dough	URZJB-21A	9/28/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11091081-002A	10/13/2011	E200.8
Jane Dough	URZJB-21A	9/28/2011	Calcium	mg/L	7	Energy Laboratories	C11091081-002A	10/19/2011	E200.7
Jane Dough	URZJB-21A	9/28/2011	Calcium, SAR	meq/L	0.34	Energy Laboratories	C11091081-002A	10/19/2011	E200.7
Jane Dough	URZJB-21A	9/28/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11091081-002A	10/19/2011	E200.7
Jane Dough	URZJB-21A	9/28/2011	Copper	mg/L	<0.01	Energy Laboratories	C11091081-002A	10/13/2011	E200.8
Jane Dough	URZJB-21A	9/28/2011	Iron	mg/L	<0.03	Energy Laboratories	C11091081-002A	10/13/2011	E200.8
Jane Dough	URZJB-21A	9/28/2011	Lead	mg/L	<0.001	Energy Laboratories	C11091081-002A	10/20/2011	E200.8
Jane Dough	URZJB-21A	9/28/2011	Magnesium	mg/L	<1	Energy Laboratories	C11091081-002A	10/19/2011	E200.7
Jane Dough	URZJB-21A	9/28/2011	Magnesium, SAR	meq/L	<0.0833333	Energy Laboratories	C11091081-002A	10/19/2011	E200.7
Jane Dough	URZJB-21A	9/28/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11091081-002A	10/20/2011	E200.8
Jane Dough	URZJB-21A	9/28/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11091081-002A	10/13/2011	E200.8
Jane Dough	URZJB-21A	9/28/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11091081-002A	10/13/2011	E200.8
Jane Dough	URZJB-21A	9/28/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11091081-002A	10/31/2011	E200.7
Jane Dough	URZJB-21A	9/28/2011	Potassium	mg/L	3	Energy Laboratories	C11091081-002A	10/19/2011	E200.7
Jane Dough	URZJB-21A	9/28/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11091081-002A	10/13/2011	E200.8
Jane Dough	URZJB-21A	9/28/2011	Silica	mg/L	8.5	Energy Laboratories	C11091081-002A	10/19/2011	E200.7
Jane Dough	URZJB-21A	9/28/2011	Sodium	mg/L	105	Energy Laboratories	C11091081-002A	10/19/2011	E200.7
Jane Dough	URZJB-21A	9/28/2011	Sodium Adsorption Ratio (SAR)	unitless	10.1	Energy Laboratories	C11091081-002A	10/19/2011	Calculation
Jane Dough	URZJB-21A	9/28/2011	Sodium, SAR	meq/L	4.56	Energy Laboratories	C11091081-002A	10/19/2011	E200.7
Jane Dough	URZJB-21A	9/28/2011	Uranium	mg/L	0.0493	Energy Laboratories	C11091081-002A	10/20/2011	E200.8
Jane Dough	URZJB-21A	9/28/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11091081-002A	10/20/2011	E200.8
Jane Dough	URZJB-21A	9/28/2011	Zinc	mg/L	<0.01	Energy Laboratories	C11091081-002A	10/13/2011	E200.8
Jane Dough	URZJB-21A	9/28/2011	Iron	mg/L	<0.03	Energy Laboratories	C11091081-002A	10/21/2011	E200.8
Jane Dough	URZJB-21A	9/28/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11091081-002A	10/21/2011	E200.8
Jane Dough	URZJB-21A	9/28/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11091081-002A	10/14/2011	A4500-NH3 G
Jane Dough	URZJB-21A	9/28/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11091081-002A	10/5/2011	E353.2
Jane Dough	URZJB-21A	9/28/2011	Gross Alpha	pCi/L	33.2	Energy Laboratories	C11091081-002A	10/29/2011	E900.0
Jane Dough	URZJB-21A	9/28/2011	Gross Alpha MDC	pCi/L	2.5	Energy Laboratories	C11091081-002A	10/29/2011	E900.0
Jane Dough	URZJB-21A	9/28/2011	Gross Alpha precision (±)	pCi/L	2.9	Energy Laboratories	C11091081-002A	10/29/2011	E900.0
Jane Dough	URZJB-21A	9/28/2011	Gross Beta	pCi/L	11.6	Energy Laboratories	C11091081-002A	10/29/2011	E900.0
Jane Dough	URZJB-21A	9/28/2011	Gross Beta MDC	pCi/L	2.4	Energy Laboratories	C11091081-002A	10/29/2011	E900.0
Jane Dough	URZJB-21A	9/28/2011	Gross Beta precision (±)	pCi/L	1.7	Energy Laboratories	C11091081-002A	10/29/2011	E900.0
Jane Dough	URZJB-21A	9/28/2011	Radium 226	pCi/L	0.05	Energy Laboratories	C11091081-002A	11/14/2011	E903.0
Jane Dough	URZJB-21A	9/28/2011	Radium 226 MDC	pCi/L	0.14	Energy Laboratories	C11091081-002A	11/14/2011	E903.0
Jane Dough	URZJB-21A	9/28/2011	Radium 226 precision (±)	pCi/L	0.08	Energy Laboratories	C11091081-002A	11/14/2011	E903.0
Jane Dough	URZJB-21A	9/28/2011	Radium 228	pCi/L	0.3	Energy Laboratories	C11091081-002A	11/8/2011	RA-05
Jane Dough	URZJB-21A	9/28/2011	Radium 228 MDC	pCi/L	0.9	Energy Laboratories	C11091081-002A	11/8/2011	RA-05
Jane Dough	URZJB-21A	9/28/2011	Radium 228 precision (±)	pCi/L	0.5	Energy Laboratories	C11091081-002A	11/8/2011	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJB-21	2/15/2012	Bicarbonate as HCO3	mg/L	152	Energy Laboratories	C12020639-001	2/16/2012	A2320 B
Jane Dough	URZJB-21	2/15/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12020639-001	2/16/2012	A2320 B
Jane Dough	URZJB-21	2/15/2012	Conductivity @ 25 C	umhos/cm	514	Energy Laboratories	C12020639-001	2/16/2012	A2510 B
Jane Dough	URZJB-21	2/15/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	319	Energy Laboratories	C12020639-001	2/17/2012	A2540 C
Jane Dough	URZJB-21	2/15/2012	pH	s.u.	8.61	Energy Laboratories	C12020639-001	2/16/2012	A4500-H B
Jane Dough	URZJB-21	2/15/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12020639-001	2/22/2012	A4500-NH3 G
Jane Dough	URZJB-21	2/15/2012	A/C Balance (± 5)	%	-1.99	Energy Laboratories	C12020639-001	3/1/2012	Calculation
Jane Dough	URZJB-21	2/15/2012	Anions	meq/L	5.05	Energy Laboratories	C12020639-001	3/1/2012	Calculation
Jane Dough	URZJB-21	2/15/2012	Cations	meq/L	4.86	Energy Laboratories	C12020639-001	3/1/2012	Calculation
Jane Dough	URZJB-21	2/15/2012	Sodium Adsorption Ratio (SAR)	unitless	9.5	Energy Laboratories	C12020639-001	2/17/2012	Calculation
Jane Dough	URZJB-21	2/15/2012	Solids, Total Dissolved Calculated	mg/L	316	Energy Laboratories	C12020639-001	3/1/2012	Calculation
Jane Dough	URZJB-21	2/15/2012	Boron	mg/L	ND	Energy Laboratories	C12020639-001	2/22/2012	E200.7
Jane Dough	URZJB-21	2/15/2012	Iron	mg/L	0.06	Energy Laboratories	C12020639-001	2/22/2012	E200.7
Jane Dough	URZJB-21	2/15/2012	Manganese	mg/L	ND	Energy Laboratories	C12020639-001	2/22/2012	E200.7
Jane Dough	URZJB-21	2/15/2012	Silica	mg/L	8.7	Energy Laboratories	C12020639-001	2/22/2012	E200.7
Jane Dough	URZJB-21	2/15/2012	Aluminum	mg/L	ND	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Arsenic	mg/L	0.003	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Barium	mg/L	ND	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Cadmium	mg/L	ND	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Calcium	mg/L	7	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Calcium, SAR	meq/L	0.35	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Chromium	mg/L	ND	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Copper	mg/L	ND	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Iron	mg/L	0.03	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Lead	mg/L	ND	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Magnesium	mg/L	ND	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Manganese	mg/L	ND	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Mercury	mg/L	ND	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Nickel	mg/L	ND	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Potassium	mg/L	2	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Selenium	mg/L	ND	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Sodium	mg/L	101	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Sodium, SAR	meq/L	4.37	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Uranium	mg/L	0.0281	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Vanadium	mg/L	ND	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Zinc	mg/L	ND	Energy Laboratories	C12020639-001	2/17/2012	E200.8
Jane Dough	URZJB-21	2/15/2012	Chloride	mg/L	6	Energy Laboratories	C12020639-001	2/21/2012	E300.0
Jane Dough	URZJB-21	2/15/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12020639-001	2/21/2012	E300.0
Jane Dough	URZJB-21	2/15/2012	Sulfate	mg/L	112	Energy Laboratories	C12020639-001	2/21/2012	E300.0
Jane Dough	URZJB-21	2/15/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12020639-001	2/21/2012	E353.2
Jane Dough	URZJB-21	2/15/2012	Gross Alpha	pCi/L	42.6	Energy Laboratories	C12020639-001	3/1/2012	E900.0
Jane Dough	URZJB-21	2/15/2012	Gross Alpha MDC	pCi/L	2.6	Energy Laboratories	C12020639-001	3/1/2012	E900.0
Jane Dough	URZJB-21	2/15/2012	Gross Alpha precision (±)	pCi/L	3.4	Energy Laboratories	C12020639-001	3/1/2012	E900.0
Jane Dough	URZJB-21	2/15/2012	Gross Beta	pCi/L	5.7	Energy Laboratories	C12020639-001	3/1/2012	E900.0
Jane Dough	URZJB-21	2/15/2012	Gross Beta MDC	pCi/L	2.7	Energy Laboratories	C12020639-001	3/1/2012	E900.0
Jane Dough	URZJB-21	2/15/2012	Gross Beta precision (±)	pCi/L	1.7	Energy Laboratories	C12020639-001	3/1/2012	E900.0
Jane Dough	URZJB-21	2/15/2012	Radium 226	pCi/L	0.04	Energy Laboratories	C12020639-001	3/9/2012	E903.0
Jane Dough	URZJB-21	2/15/2012	Radium 226 MDC	pCi/L	0.08	Energy Laboratories	C12020639-001	3/9/2012	E903.0
Jane Dough	URZJB-21	2/15/2012	Radium 226 precision (±)	pCi/L	0.05	Energy Laboratories	C12020639-001	3/9/2012	E903.0
Jane Dough	URZJB-21	2/15/2012	Radium 228	pCi/L	0.4	Energy Laboratories	C12020639-001	3/1/2012	RA-05
Jane Dough	URZJB-21	2/15/2012	Radium 228 MDC	pCi/L	1	Energy Laboratories	C12020639-001	3/1/2012	RA-05
Jane Dough	URZJB-21	2/15/2012	Radium 228 precision (±)	pCi/L	0.6	Energy Laboratories	C12020639-001	3/1/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJB-21	4/20/2012	Bicarbonate as HCO3	mg/L	156	Energy Laboratories	C12041115-001	4/24/2012	A2320 B
Jane Dough	URZJB-21	4/20/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12041115-001	4/24/2012	A2320 B
Jane Dough	URZJB-21	4/20/2012	Conductivity @ 25 C	umhos/cm	517	Energy Laboratories	C12041115-001	4/24/2012	A2510 B
Jane Dough	URZJB-21	4/20/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	306	Energy Laboratories	C12041115-001	4/24/2012	A2540 C
Jane Dough	URZJB-21	4/20/2012	Fluoride	mg/L	0.3	Energy Laboratories	C12041115-001	4/24/2012	A4500-F C
Jane Dough	URZJB-21	4/20/2012	pH	s.u.	8.53	Energy Laboratories	C12041115-001	4/24/2012	A4500-H B
Jane Dough	URZJB-21	4/20/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12041115-001	4/25/2012	A4500-NH3 G
Jane Dough	URZJB-21	4/20/2012	A/C Balance (± 5)	%	-3.65	Energy Laboratories	C12041115-001	5/14/2012	Calculation
Jane Dough	URZJB-21	4/20/2012	Anions	meq/L	5.07	Energy Laboratories	C12041115-001	5/14/2012	Calculation
Jane Dough	URZJB-21	4/20/2012	Cations	meq/L	4.72	Energy Laboratories	C12041115-001	5/14/2012	Calculation
Jane Dough	URZJB-21	4/20/2012	Sodium Adsorption Ratio (SAR)	unitless	9.5	Energy Laboratories	C12041115-001	4/29/2012	Calculation
Jane Dough	URZJB-21	4/20/2012	Solids, Total Dissolved Calculated	mg/L	312	Energy Laboratories	C12041115-001	5/14/2012	Calculation
Jane Dough	URZJB-21	4/20/2012	Aluminum	mg/L	ND	Energy Laboratories	C12041115-001	4/29/2012	E200.7
Jane Dough	URZJB-21	4/20/2012	Boron	mg/L	ND	Energy Laboratories	C12041115-001	4/29/2012	E200.7
Jane Dough	URZJB-21	4/20/2012	Calcium	mg/L	7	Energy Laboratories	C12041115-001	4/29/2012	E200.7
Jane Dough	URZJB-21	4/20/2012	Magnesium	mg/L	ND	Energy Laboratories	C12041115-001	4/29/2012	E200.7
Jane Dough	URZJB-21	4/20/2012	Potassium	mg/L	2	Energy Laboratories	C12041115-001	4/29/2012	E200.7
Jane Dough	URZJB-21	4/20/2012	Silica	mg/L	7.8	Energy Laboratories	C12041115-001	4/29/2012	E200.7
Jane Dough	URZJB-21	4/20/2012	Sodium	mg/L	98	Energy Laboratories	C12041115-001	4/29/2012	E200.7
Jane Dough	URZJB-21	4/20/2012	Calcium, SAR	meq/L	0.33	Energy Laboratories	C12041115-001	4/29/2012	E200.7_8
Jane Dough	URZJB-21	4/20/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12041115-001	4/29/2012	E200.7_8
Jane Dough	URZJB-21	4/20/2012	Sodium, SAR	meq/L	4.27	Energy Laboratories	C12041115-001	4/29/2012	E200.7_8
Jane Dough	URZJB-21	4/20/2012	Arsenic	mg/L	0.003	Energy Laboratories	C12041115-001	5/4/2012	E200.8
Jane Dough	URZJB-21	4/20/2012	Barium	mg/L	ND	Energy Laboratories	C12041115-001	5/4/2012	E200.8
Jane Dough	URZJB-21	4/20/2012	Cadmium	mg/L	ND	Energy Laboratories	C12041115-001	5/4/2012	E200.8
Jane Dough	URZJB-21	4/20/2012	Chromium	mg/L	ND	Energy Laboratories	C12041115-001	5/4/2012	E200.8
Jane Dough	URZJB-21	4/20/2012	Copper	mg/L	ND	Energy Laboratories	C12041115-001	5/4/2012	E200.8
Jane Dough	URZJB-21	4/20/2012	Iron	mg/L	ND	Energy Laboratories	C12041115-001	5/4/2012	E200.8
Jane Dough	URZJB-21	4/20/2012	Iron	mg/L	ND	Energy Laboratories	C12041115-001	4/25/2012	E200.8
Jane Dough	URZJB-21	4/20/2012	Lead	mg/L	ND	Energy Laboratories	C12041115-001	5/4/2012	E200.8
Jane Dough	URZJB-21	4/20/2012	Manganese	mg/L	ND	Energy Laboratories	C12041115-001	5/4/2012	E200.8
Jane Dough	URZJB-21	4/20/2012	Manganese	mg/L	ND	Energy Laboratories	C12041115-001	4/25/2012	E200.8
Jane Dough	URZJB-21	4/20/2012	Mercury	mg/L	ND	Energy Laboratories	C12041115-001	5/4/2012	E200.8
Jane Dough	URZJB-21	4/20/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12041115-001	5/4/2012	E200.8
Jane Dough	URZJB-21	4/20/2012	Nickel	mg/L	ND	Energy Laboratories	C12041115-001	5/4/2012	E200.8
Jane Dough	URZJB-21	4/20/2012	Selenium	mg/L	ND	Energy Laboratories	C12041115-001	5/4/2012	E200.8
Jane Dough	URZJB-21	4/20/2012	Uranium	mg/L	0.0287	Energy Laboratories	C12041115-001	5/4/2012	E200.8
Jane Dough	URZJB-21	4/20/2012	Vanadium	mg/L	ND	Energy Laboratories	C12041115-001	5/4/2012	E200.8
Jane Dough	URZJB-21	4/20/2012	Zinc	mg/L	ND	Energy Laboratories	C12041115-001	5/4/2012	E200.8
Jane Dough	URZJB-21	4/20/2012	Chloride	mg/L	6	Energy Laboratories	C12041115-001	4/26/2012	E300.0
Jane Dough	URZJB-21	4/20/2012	Sulfate	mg/L	111	Energy Laboratories	C12041115-001	4/26/2012	E300.0
Jane Dough	URZJB-21	4/20/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12041115-001	4/24/2012	E353.2
Jane Dough	URZJB-21	4/20/2012	Gross Alpha	pCi/L	34.9	Energy Laboratories	C12041115-001	5/24/2012	E900.0
Jane Dough	URZJB-21	4/20/2012	Gross Alpha MDC	pCi/L	1.7	Energy Laboratories	C12041115-001	5/24/2012	E900.0
Jane Dough	URZJB-21	4/20/2012	Gross Alpha precision (±)	pCi/L	2.8	Energy Laboratories	C12041115-001	5/24/2012	E900.0
Jane Dough	URZJB-21	4/20/2012	Gross Beta	pCi/L	8.0	Energy Laboratories	C12041115-001	5/24/2012	E900.0
Jane Dough	URZJB-21	4/20/2012	Gross Beta MDC	pCi/L	3.2	Energy Laboratories	C12041115-001	5/24/2012	E900.0
Jane Dough	URZJB-21	4/20/2012	Gross Beta precision (±)	pCi/L	2.1	Energy Laboratories	C12041115-001	5/24/2012	E900.0
Jane Dough	URZJB-21	4/20/2012	Radium 226	pCi/L	-0.05	Energy Laboratories	C12041115-001	5/23/2012	E903.0
Jane Dough	URZJB-21	4/20/2012	Radium 226 MDC	pCi/L	0.18	Energy Laboratories	C12041115-001	5/23/2012	E903.0
Jane Dough	URZJB-21	4/20/2012	Radium 226 precision (±)	pCi/L	0.09	Energy Laboratories	C12041115-001	5/23/2012	E903.0
Jane Dough	URZJB-21	4/20/2012	Radium 228	pCi/L	0.08	Energy Laboratories	C12041115-001	5/29/2012	RA-05
Jane Dough	URZJB-21	4/20/2012	Radium 228 MDC	pCi/L	1.5	Energy Laboratories	C12041115-001	5/29/2012	RA-05
Jane Dough	URZJB-21	4/20/2012	Radium 228 precision (±)	pCi/L	0.9	Energy Laboratories	C12041115-001	5/29/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJB-21	11/13/2012	A/C Balance (± 5)	%	-3.60	Energy Laboratories	C12110572-001	11/29/2012	A1030 E
Jane Dough	URZJB-21	11/13/2012	Anions	meq/L	5.30	Energy Laboratories	C12110572-001	11/29/2012	A1030 E
Jane Dough	URZJB-21	11/13/2012	Cations	meq/L	4.93	Energy Laboratories	C12110572-001	11/29/2012	A1030 E
Jane Dough	URZJB-21	11/13/2012	Solids, Total Dissolved Calculated	mg/L	320	Energy Laboratories	C12110572-001	11/29/2012	A1030 E
Jane Dough	URZJB-21	11/13/2012	TDS Balance (0.80 - 1.20)		0.940	Energy Laboratories	C12110572-001	11/29/2012	A1030 E
Jane Dough	URZJB-21	11/13/2012	Alkalinity, Total as CaCO3	mg/L	138	Energy Laboratories	C12110572-001	11/15/2012	A2320 B
Jane Dough	URZJB-21	11/13/2012	Bicarbonate as HCO3	mg/L	168	Energy Laboratories	C12110572-001	11/15/2012	A2320 B
Jane Dough	URZJB-21	11/13/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12110572-001	11/15/2012	A2320 B
Jane Dough	URZJB-21	11/13/2012	Conductivity @ 25 C	umhos/cm	518	Energy Laboratories	C12110572-001	11/14/2012	A2510 B
Jane Dough	URZJB-21	11/13/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	305	Energy Laboratories	C12110572-001	11/14/2012	A2540 C
Jane Dough	URZJB-21	11/13/2012	Fluoride	mg/L	0.3	Energy Laboratories	C12110572-001	11/16/2012	A4500-F C
Jane Dough	URZJB-21	11/13/2012	pH	s.u.	8.59	Energy Laboratories	C12110572-001	11/14/2012	A4500-H B
Jane Dough	URZJB-21	11/13/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12110572-001	11/19/2012	A4500-NH3 G
Jane Dough	URZJB-21	11/13/2012	Aluminum	mg/L	ND	Energy Laboratories	C12110572-001	11/27/2012	E200.7
Jane Dough	URZJB-21	11/13/2012	Barium	mg/L	ND	Energy Laboratories	C12110572-001	11/27/2012	E200.7
Jane Dough	URZJB-21	11/13/2012	Boron	mg/L	ND	Energy Laboratories	C12110572-001	11/27/2012	E200.7
Jane Dough	URZJB-21	11/13/2012	Calcium	mg/L	7	Energy Laboratories	C12110572-001	11/27/2012	E200.7
Jane Dough	URZJB-21	11/13/2012	Calcium, SAR	meq/L	0.37	Energy Laboratories	C12110572-001	11/27/2012	E200.7
Jane Dough	URZJB-21	11/13/2012	Chromium	mg/L	ND	Energy Laboratories	C12110572-001	11/27/2012	E200.7
Jane Dough	URZJB-21	11/13/2012	Copper	mg/L	ND	Energy Laboratories	C12110572-001	11/27/2012	E200.7
Jane Dough	URZJB-21	11/13/2012	Iron	mg/L	ND	Energy Laboratories	C12110572-001	11/27/2012	E200.7
Jane Dough	URZJB-21	11/13/2012	Iron	mg/L	ND	Energy Laboratories	C12110572-001	11/20/2012	E200.7
Jane Dough	URZJB-21	11/13/2012	Magnesium	mg/L	ND	Energy Laboratories	C12110572-001	11/27/2012	E200.7
Jane Dough	URZJB-21	11/13/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12110572-001	11/27/2012	E200.7
Jane Dough	URZJB-21	11/13/2012	Manganese	mg/L	ND	Energy Laboratories	C12110572-001	11/27/2012	E200.7
Jane Dough	URZJB-21	11/13/2012	Manganese	mg/L	ND	Energy Laboratories	C12110572-001	11/20/2012	E200.7
Jane Dough	URZJB-21	11/13/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12110572-001	11/27/2012	E200.7
Jane Dough	URZJB-21	11/13/2012	Potassium	mg/L	2	Energy Laboratories	C12110572-001	11/27/2012	E200.7
Jane Dough	URZJB-21	11/13/2012	Silica	mg/L	8.1	Energy Laboratories	C12110572-001	11/27/2012	E200.7
Jane Dough	URZJB-21	11/13/2012	Sodium	mg/L	102	Energy Laboratories	C12110572-001	11/27/2012	E200.7
Jane Dough	URZJB-21	11/13/2012	Sodium, SAR	meq/L	4.43	Energy Laboratories	C12110572-001	11/27/2012	E200.7
Jane Dough	URZJB-21	11/13/2012	Vanadium	mg/L	ND	Energy Laboratories	C12110572-001	11/27/2012	E200.7
Jane Dough	URZJB-21	11/13/2012	Zinc	mg/L	ND	Energy Laboratories	C12110572-001	11/27/2012	E200.7
Jane Dough	URZJB-21	11/13/2012	Arsenic	mg/L	0.003	Energy Laboratories	C12110572-001	11/27/2012	E200.8
Jane Dough	URZJB-21	11/13/2012	Cadmium	mg/L	ND	Energy Laboratories	C12110572-001	11/27/2012	E200.8
Jane Dough	URZJB-21	11/13/2012	Lead	mg/L	ND	Energy Laboratories	C12110572-001	11/27/2012	E200.8
Jane Dough	URZJB-21	11/13/2012	Mercury	mg/L	ND	Energy Laboratories	C12110572-001	11/27/2012	E200.8
Jane Dough	URZJB-21	11/13/2012	Nickel	mg/L	ND	Energy Laboratories	C12110572-001	11/27/2012	E200.8
Jane Dough	URZJB-21	11/13/2012	Selenium	mg/L	ND	Energy Laboratories	C12110572-001	11/27/2012	E200.8
Jane Dough	URZJB-21	11/13/2012	Uranium	mg/L	0.0336	Energy Laboratories	C12110572-001	11/27/2012	E200.8
Jane Dough	URZJB-21	11/13/2012	Chloride	mg/L	6	Energy Laboratories	C12110572-001	11/15/2012	E300.0
Jane Dough	URZJB-21	11/13/2012	Sulfate	mg/L	113	Energy Laboratories	C12110572-001	11/15/2012	E300.0
Jane Dough	URZJB-21	11/13/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12110572-001	11/14/2012	E353.2
Jane Dough	URZJB-21	11/13/2012	Gross Alpha	pCi/L	39.0	Energy Laboratories	C12110572-001	12/6/2012	E900.0
Jane Dough	URZJB-21	11/13/2012	Gross Alpha MDC	pCi/L	1.7	Energy Laboratories	C12110572-001	12/6/2012	E900.0
Jane Dough	URZJB-21	11/13/2012	Gross Alpha precision (±)	pCi/L	2.3	Energy Laboratories	C12110572-001	12/6/2012	E900.0
Jane Dough	URZJB-21	11/13/2012	Gross Beta	pCi/L	8.1	Energy Laboratories	C12110572-001	12/6/2012	E900.0
Jane Dough	URZJB-21	11/13/2012	Gross Beta MDC	pCi/L	2.5	Energy Laboratories	C12110572-001	12/6/2012	E900.0
Jane Dough	URZJB-21	11/13/2012	Gross Beta precision (±)	pCi/L	1.7	Energy Laboratories	C12110572-001	12/6/2012	E900.0
Jane Dough	URZJB-21	11/13/2012	Radium 226	pCi/L	-0.03	Energy Laboratories	C12110572-001	12/4/2012	E903.0
Jane Dough	URZJB-21	11/13/2012	Radium 226 MDC	pCi/L	0.20	Energy Laboratories	C12110572-001	12/4/2012	E903.0
Jane Dough	URZJB-21	11/13/2012	Radium 226 precision (±)	pCi/L	0.11	Energy Laboratories	C12110572-001	12/4/2012	E903.0
Jane Dough	URZJB-21	11/13/2012	Radium 228	pCi/L	0.8	Energy Laboratories	C12110572-001	11/28/2012	RA-05
Jane Dough	URZJB-21	11/13/2012	Radium 228 MDC	pCi/L	1.5	Energy Laboratories	C12110572-001	11/28/2012	RA-05
Jane Dough	URZJB-21	11/13/2012	Radium 228 precision (±)	pCi/L	1	Energy Laboratories	C12110572-001	11/28/2012	RA-05
Jane Dough	URZJB-21	11/13/2012	Sodium Adsorption Ratio (SAR)	unitless	9.3	Energy Laboratories	C12110572-001	11/29/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJC-10	8/31/2011	Bicarbonate as HCO3	mg/L	97	Energy Laboratories	C11081196-001	9/7/2011	A2320 B
Jane Dough	URZJC-10	8/31/2011	Carbonate as CO3	mg/L	12	Energy Laboratories	C11081196-001	9/7/2011	A2320 B
Jane Dough	URZJC-10	8/31/2011	Conductivity @ 25 C	umhos/cm	419	Energy Laboratories	C11081196-001	9/1/2011	A2510 B
Jane Dough	URZJC-10	8/31/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	251	Energy Laboratories	C11081196-001	9/1/2011	A2540 C
Jane Dough	URZJC-10	8/31/2011	Fluoride	mg/L	0.6	Energy Laboratories	C11081196-001	9/8/2011	A4500-F C
Jane Dough	URZJC-10	8/31/2011	pH	s.u.	9.31	Energy Laboratories	C11081196-001	9/1/2011	A4500-H B
Jane Dough	URZJC-10	8/31/2011	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C11081196-001	9/2/2011	A4500-NH3 G
Jane Dough	URZJC-10	8/31/2011	A/C Balance (± 5)	%	-4.62	Energy Laboratories	C11081196-001	9/26/2011	Calculation
Jane Dough	URZJC-10	8/31/2011	Anions	meq/L	3.96	Energy Laboratories	C11081196-001	9/26/2011	Calculation
Jane Dough	URZJC-10	8/31/2011	Cations	meq/L	3.61	Energy Laboratories	C11081196-001	9/26/2011	Calculation
Jane Dough	URZJC-10	8/31/2011	Sodium Adsorption Ratio (SAR)	unitless	10.8	Energy Laboratories	C11081196-001	9/22/2011	Calculation
Jane Dough	URZJC-10	8/31/2011	Solids, Total Dissolved Calculated	mg/L	245	Energy Laboratories	C11081196-001	9/26/2011	Calculation
Jane Dough	URZJC-10	8/31/2011	Aluminum	mg/L	ND	Energy Laboratories	C11081196-001	9/26/2011	E200.7
Jane Dough	URZJC-10	8/31/2011	Boron	mg/L	ND	Energy Laboratories	C11081196-001	9/22/2011	E200.7
Jane Dough	URZJC-10	8/31/2011	Calcium	mg/L	3	Energy Laboratories	C11081196-001	9/22/2011	E200.7
Jane Dough	URZJC-10	8/31/2011	Calcium, SAR	meq/L	0.17	Energy Laboratories	C11081196-001	9/22/2011	E200.7
Jane Dough	URZJC-10	8/31/2011	Iron	mg/L	ND	Energy Laboratories	C11081196-001	9/22/2011	E200.7
Jane Dough	URZJC-10	8/31/2011	Magnesium	mg/L	ND	Energy Laboratories	C11081196-001	9/22/2011	E200.7
Jane Dough	URZJC-10	8/31/2011	Magnesium, SAR	meq/L	ND	Energy Laboratories	C11081196-001	9/22/2011	E200.7
Jane Dough	URZJC-10	8/31/2011	Potassium	mg/L	5	Energy Laboratories	C11081196-001	9/22/2011	E200.7
Jane Dough	URZJC-10	8/31/2011	Silica	mg/L	7.3	Energy Laboratories	C11081196-001	9/22/2011	E200.7
Jane Dough	URZJC-10	8/31/2011	Sodium	mg/L	76	Energy Laboratories	C11081196-001	9/22/2011	E200.7
Jane Dough	URZJC-10	8/31/2011	Sodium, SAR	meq/L	3.29	Energy Laboratories	C11081196-001	9/22/2011	E200.7
Jane Dough	URZJC-10	8/31/2011	Arsenic	mg/L	ND	Energy Laboratories	C11081196-001	9/2/2011	E200.8
Jane Dough	URZJC-10	8/31/2011	Barium	mg/L	ND	Energy Laboratories	C11081196-001	9/2/2011	E200.8
Jane Dough	URZJC-10	8/31/2011	Cadmium	mg/L	ND	Energy Laboratories	C11081196-001	9/2/2011	E200.8
Jane Dough	URZJC-10	8/31/2011	Chromium	mg/L	ND	Energy Laboratories	C11081196-001	9/2/2011	E200.8
Jane Dough	URZJC-10	8/31/2011	Copper	mg/L	ND	Energy Laboratories	C11081196-001	9/2/2011	E200.8
Jane Dough	URZJC-10	8/31/2011	Iron	mg/L	0.07	Energy Laboratories	C11081196-001	9/1/2011	E200.8
Jane Dough	URZJC-10	8/31/2011	Lead	mg/L	ND	Energy Laboratories	C11081196-001	9/2/2011	E200.8
Jane Dough	URZJC-10	8/31/2011	Manganese	mg/L	ND	Energy Laboratories	C11081196-001	9/2/2011	E200.8
Jane Dough	URZJC-10	8/31/2011	Manganese	mg/L	ND	Energy Laboratories	C11081196-001	9/1/2011	E200.8
Jane Dough	URZJC-10	8/31/2011	Mercury	mg/L	ND	Energy Laboratories	C11081196-001	9/2/2011	E200.8
Jane Dough	URZJC-10	8/31/2011	Molybdenum	mg/L	ND	Energy Laboratories	C11081196-001	9/2/2011	E200.8
Jane Dough	URZJC-10	8/31/2011	Nickel	mg/L	ND	Energy Laboratories	C11081196-001	9/2/2011	E200.8
Jane Dough	URZJC-10	8/31/2011	Selenium	mg/L	ND	Energy Laboratories	C11081196-001	9/2/2011	E200.8
Jane Dough	URZJC-10	8/31/2011	Uranium	mg/L	0.0005	Energy Laboratories	C11081196-001	9/2/2011	E200.8
Jane Dough	URZJC-10	8/31/2011	Vanadium	mg/L	ND	Energy Laboratories	C11081196-001	9/2/2011	E200.8
Jane Dough	URZJC-10	8/31/2011	Zinc	mg/L	ND	Energy Laboratories	C11081196-001	9/2/2011	E200.8
Jane Dough	URZJC-10	8/31/2011	Chloride	mg/L	7	Energy Laboratories	C11081196-001	9/3/2011	E300.0
Jane Dough	URZJC-10	8/31/2011	Sulfate	mg/L	84	Energy Laboratories	C11081196-001	9/3/2011	E300.0
Jane Dough	URZJC-10	8/31/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C11081196-001	9/1/2011	E353.2
Jane Dough	URZJC-10	8/31/2011	Gross Alpha	pCi/L	-2	Energy Laboratories	C11081196-001	9/23/2011	E900.0
Jane Dough	URZJC-10	8/31/2011	Gross Alpha MDC	pCi/L	2.4	Energy Laboratories	C11081196-001	9/23/2011	E900.0
Jane Dough	URZJC-10	8/31/2011	Gross Alpha precision (±)	pCi/L	1.3	Energy Laboratories	C11081196-001	9/23/2011	E900.0
Jane Dough	URZJC-10	8/31/2011	Gross Beta	pCi/L	4.0	Energy Laboratories	C11081196-001	9/23/2011	E900.0
Jane Dough	URZJC-10	8/31/2011	Gross Beta MDC	pCi/L	2.5	Energy Laboratories	C11081196-001	9/23/2011	E900.0
Jane Dough	URZJC-10	8/31/2011	Gross Beta precision (±)	pCi/L	1.5	Energy Laboratories	C11081196-001	9/23/2011	E900.0
Jane Dough	URZJC-10	8/31/2011	Radium 226	pCi/L	0.08	Energy Laboratories	C11081196-001	9/19/2011	E903.0
Jane Dough	URZJC-10	8/31/2011	Radium 226 MDC	pCi/L	0.20	Energy Laboratories	C11081196-001	9/19/2011	E903.0
Jane Dough	URZJC-10	8/31/2011	Radium 226 precision (±)	pCi/L	0.13	Energy Laboratories	C11081196-001	9/19/2011	E903.0
Jane Dough	URZJC-10	8/31/2011	Radium 228	pCi/L	0.6	Energy Laboratories	C11081196-001	9/13/2011	RA-05
Jane Dough	URZJC-10	8/31/2011	Radium 228 MDC	pCi/L	1.0	Energy Laboratories	C11081196-001	9/13/2011	RA-05
Jane Dough	URZJC-10	8/31/2011	Radium 228 precision (±)	pCi/L	0.6	Energy Laboratories	C11081196-001	9/13/2011	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJC-10	2/13/2012	Bicarbonate as HCO3	mg/L	120	Energy Laboratories	C12020555-001	2/15/2012	A2320 B
Jane Dough	URZJC-10	2/13/2012	Carbonate as CO3	mg/L	10	Energy Laboratories	C12020555-001	2/15/2012	A2320 B
Jane Dough	URZJC-10	2/13/2012	Conductivity @ 25 C	umhos/cm	456	Energy Laboratories	C12020555-001	2/16/2012	A2510 B
Jane Dough	URZJC-10	2/13/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	256	Energy Laboratories	C12020555-001	2/15/2012	A2540 C
Jane Dough	URZJC-10	2/13/2012	pH	s.u.	9.25	Energy Laboratories	C12020555-001	2/16/2012	A4500-H B
Jane Dough	URZJC-10	2/13/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12020555-001	2/16/2012	A4500-NH3 G
Jane Dough	URZJC-10	2/13/2012	A/C Balance (± 5)	%	-2.11	Energy Laboratories	C12020555-001	2/22/2012	Calculation
Jane Dough	URZJC-10	2/13/2012	Anions	meq/L	4.31	Energy Laboratories	C12020555-001	2/22/2012	Calculation
Jane Dough	URZJC-10	2/13/2012	Cations	meq/L	4.14	Energy Laboratories	C12020555-001	2/22/2012	Calculation
Jane Dough	URZJC-10	2/13/2012	Sodium Adsorption Ratio (SAR)	unitless	11.7	Energy Laboratories	C12020555-001	2/17/2012	Calculation
Jane Dough	URZJC-10	2/13/2012	Solids, Total Dissolved Calculated	mg/L	269	Energy Laboratories	C12020555-001	2/22/2012	Calculation
Jane Dough	URZJC-10	2/13/2012	Iron	mg/L	0.03	Energy Laboratories	C12020555-001	2/15/2012	E200.7
Jane Dough	URZJC-10	2/13/2012	Manganese	mg/L	ND	Energy Laboratories	C12020555-001	2/15/2012	E200.7
Jane Dough	URZJC-10	2/13/2012	Aluminum	mg/L	ND	Energy Laboratories	C12020555-001	2/15/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Arsenic	mg/L	ND	Energy Laboratories	C12020555-001	2/15/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Barium	mg/L	ND	Energy Laboratories	C12020555-001	2/15/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Boron	mg/L	ND	Energy Laboratories	C12020555-001	2/17/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Cadmium	mg/L	ND	Energy Laboratories	C12020555-001	2/15/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Calcium	mg/L	3	Energy Laboratories	C12020555-001	2/17/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Calcium, SAR	meq/L	0.17	Energy Laboratories	C12020555-001	2/17/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Chromium	mg/L	ND	Energy Laboratories	C12020555-001	2/15/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Copper	mg/L	ND	Energy Laboratories	C12020555-001	2/15/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Iron	mg/L	ND	Energy Laboratories	C12020555-001	2/17/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Lead	mg/L	ND	Energy Laboratories	C12020555-001	2/15/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Magnesium	mg/L	ND	Energy Laboratories	C12020555-001	2/17/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12020555-001	2/17/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Manganese	mg/L	ND	Energy Laboratories	C12020555-001	2/15/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Mercury	mg/L	ND	Energy Laboratories	C12020555-001	2/15/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12020555-001	2/15/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Nickel	mg/L	ND	Energy Laboratories	C12020555-001	2/15/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Potassium	mg/L	6	Energy Laboratories	C12020555-001	2/17/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Selenium	mg/L	ND	Energy Laboratories	C12020555-001	2/15/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Silica	mg/L	7.5	Energy Laboratories	C12020555-001	2/17/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Sodium	mg/L	87	Energy Laboratories	C12020555-001	2/17/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Sodium, SAR	meq/L	3.78	Energy Laboratories	C12020555-001	2/17/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Uranium	mg/L	ND	Energy Laboratories	C12020555-001	2/15/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Vanadium	mg/L	ND	Energy Laboratories	C12020555-001	2/15/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Zinc	mg/L	ND	Energy Laboratories	C12020555-001	2/15/2012	E200.8
Jane Dough	URZJC-10	2/13/2012	Chloride	mg/L	8	Energy Laboratories	C12020555-001	2/16/2012	E300.0
Jane Dough	URZJC-10	2/13/2012	Fluoride	mg/L	0.4	Energy Laboratories	C12020555-001	2/16/2012	E300.0
Jane Dough	URZJC-10	2/13/2012	Sulfate	mg/L	86	Energy Laboratories	C12020555-001	2/16/2012	E300.0
Jane Dough	URZJC-10	2/13/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12020555-001	2/15/2012	E353.2
Jane Dough	URZJC-10	2/13/2012	Gross Alpha	pCi/L	-0.8	Energy Laboratories	C12020555-001	2/26/2012	E900.0
Jane Dough	URZJC-10	2/13/2012	Gross Alpha MDC	pCi/L	1.9	Energy Laboratories	C12020555-001	2/26/2012	E900.0
Jane Dough	URZJC-10	2/13/2012	Gross Alpha precision (±)	pCi/L	1.1	Energy Laboratories	C12020555-001	2/26/2012	E900.0
Jane Dough	URZJC-10	2/13/2012	Gross Beta	pCi/L	3.9	Energy Laboratories	C12020555-001	2/26/2012	E900.0
Jane Dough	URZJC-10	2/13/2012	Gross Beta MDC	pCi/L	2.5	Energy Laboratories	C12020555-001	2/26/2012	E900.0
Jane Dough	URZJC-10	2/13/2012	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C12020555-001	2/26/2012	E900.0
Jane Dough	URZJC-10	2/13/2012	Radium 226	pCi/L	-0.1	Energy Laboratories	C12020555-001	3/6/2012	E903.0
Jane Dough	URZJC-10	2/13/2012	Radium 226 MDC	pCi/L	0.18	Energy Laboratories	C12020555-001	3/6/2012	E903.0
Jane Dough	URZJC-10	2/13/2012	Radium 226 precision (±)	pCi/L	0.07	Energy Laboratories	C12020555-001	3/6/2012	E903.0
Jane Dough	URZJC-10	2/13/2012	Radium 228	pCi/L	0.3	Energy Laboratories	C12020555-001	3/2/2012	RA-05
Jane Dough	URZJC-10	2/13/2012	Radium 228 MDC	pCi/L	0.9	Energy Laboratories	C12020555-001	3/2/2012	RA-05
Jane Dough	URZJC-10	2/13/2012	Radium 228 precision (±)	pCi/L	0.6	Energy Laboratories	C12020555-001	3/2/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJC-10	7/3/2012	A/C Balance (± 5)	%	1.12	Energy Laboratories	C12070126-001	7/23/2012	A1030 E
Jane Dough	URZJC-10	7/3/2012	Anions	meq/L	4.73	Energy Laboratories	C12070126-001	7/23/2012	A1030 E
Jane Dough	URZJC-10	7/3/2012	Cations	meq/L	4.84	Energy Laboratories	C12070126-001	7/23/2012	A1030 E
Jane Dough	URZJC-10	7/3/2012	Solids, Total Dissolved Calculated	mg/L	300	Energy Laboratories	C12070126-001	7/23/2012	A1030 E
Jane Dough	URZJC-10	7/3/2012	TDS Balance (0.80 - 1.20)		0.960	Energy Laboratories	C12070126-001	7/23/2012	A1030 E
Jane Dough	URZJC-10	7/3/2012	Alkalinity, Total as CaCO3	mg/L	135	Energy Laboratories	C12070126-001	7/7/2012	A2320 B
Jane Dough	URZJC-10	7/3/2012	Bicarbonate as HCO3	mg/L	163	Energy Laboratories	C12070126-001	7/7/2012	A2320 B
Jane Dough	URZJC-10	7/3/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12070126-001	7/7/2012	A2320 B
Jane Dough	URZJC-10	7/3/2012	Conductivity @ 25 C	umhos/cm	487	Energy Laboratories	C12070126-001	7/6/2012	A2510 B
Jane Dough	URZJC-10	7/3/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	285	Energy Laboratories	C12070126-001	7/6/2012	A2540 C
Jane Dough	URZJC-10	7/3/2012	Fluoride	mg/L	0.4	Energy Laboratories	C12070126-001	7/9/2012	A4500-F C
Jane Dough	URZJC-10	7/3/2012	pH	s.u.	8.74	Energy Laboratories	C12070126-001	7/6/2012	A4500-H B
Jane Dough	URZJC-10	7/3/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12070126-001	7/6/2012	A4500-NH3 G
Jane Dough	URZJC-10	7/3/2012	Aluminum	mg/L	ND	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Barium	mg/L	ND	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Boron	mg/L	ND	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Cadmium	mg/L	ND	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Calcium	mg/L	9	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Calcium, SAR	meq/L	0.45	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Chromium	mg/L	ND	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Copper	mg/L	ND	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Iron	mg/L	ND	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Iron	mg/L	ND	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Magnesium	mg/L	1	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Magnesium, SAR	meq/L	0.09	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Manganese	mg/L	ND	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Manganese	mg/L	ND	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Nickel	mg/L	ND	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Potassium	mg/L	5	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Silica	mg/L	9.7	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Sodium	mg/L	96	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Sodium, SAR	meq/L	4.17	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Vanadium	mg/L	ND	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Zinc	mg/L	0.02	Energy Laboratories	C12070126-001	7/13/2012	E200.7
Jane Dough	URZJC-10	7/3/2012	Arsenic	mg/L	ND	Energy Laboratories	C12070126-001	7/25/2012	E200.8
Jane Dough	URZJC-10	7/3/2012	Lead	mg/L	ND	Energy Laboratories	C12070126-001	7/25/2012	E200.8
Jane Dough	URZJC-10	7/3/2012	Mercury	mg/L	ND	Energy Laboratories	C12070126-001	7/25/2012	E200.8
Jane Dough	URZJC-10	7/3/2012	Selenium	mg/L	0.003	Energy Laboratories	C12070126-001	7/25/2012	E200.8
Jane Dough	URZJC-10	7/3/2012	Uranium	mg/L	0.0006	Energy Laboratories	C12070126-001	7/25/2012	E200.8
Jane Dough	URZJC-10	7/3/2012	Chloride	mg/L	8	Energy Laboratories	C12070126-001	7/10/2012	E300.0
Jane Dough	URZJC-10	7/3/2012	Sulfate	mg/L	85	Energy Laboratories	C12070126-001	7/10/2012	E300.0
Jane Dough	URZJC-10	7/3/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12070126-001	7/6/2012	E353.2
Jane Dough	URZJC-10	7/3/2012	Gross Alpha	pCi/L	-1	Energy Laboratories	C12070126-001	7/17/2012	E900.0
Jane Dough	URZJC-10	7/3/2012	Gross Alpha MDC	pCi/L	1.6	Energy Laboratories	C12070126-001	7/17/2012	E900.0
Jane Dough	URZJC-10	7/3/2012	Gross Alpha precision (±)	pCi/L	0.9	Energy Laboratories	C12070126-001	7/17/2012	E900.0
Jane Dough	URZJC-10	7/3/2012	Gross Beta	pCi/L	2.3	Energy Laboratories	C12070126-001	7/17/2012	E900.0
Jane Dough	URZJC-10	7/3/2012	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C12070126-001	7/17/2012	E900.0
Jane Dough	URZJC-10	7/3/2012	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C12070126-001	7/17/2012	E900.0
Jane Dough	URZJC-10	7/3/2012	Radium 226	pCi/L	-0.04	Energy Laboratories	C12070126-001	7/23/2012	E903.0
Jane Dough	URZJC-10	7/3/2012	Radium 226 MDC	pCi/L	0.22	Energy Laboratories	C12070126-001	7/23/2012	E903.0
Jane Dough	URZJC-10	7/3/2012	Radium 226 precision (±)	pCi/L	0.11	Energy Laboratories	C12070126-001	7/23/2012	E903.0
Jane Dough	URZJC-10	7/3/2012	Radium 228	pCi/L	0.6	Energy Laboratories	C12070126-001	7/18/2012	RA-05
Jane Dough	URZJC-10	7/3/2012	Radium 228 MDC	pCi/L	1.4	Energy Laboratories	C12070126-001	7/18/2012	RA-05
Jane Dough	URZJC-10	7/3/2012	Radium 228 precision (±)	pCi/L	0.9	Energy Laboratories	C12070126-001	7/18/2012	RA-05
Jane Dough	URZJC-10	7/3/2012	Sodium Adsorption Ratio (SAR)	unitless	8.0	Energy Laboratories	C12070126-001	7/13/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJC-10	9/6/2012	A/C Balance (± 5)	%	-2.20	Energy Laboratories	C12090157-001	9/18/2012	A1030 E
Jane Dough	URZJC-10	9/6/2012	Anions	meq/L	4.80	Energy Laboratories	C12090157-001	9/18/2012	A1030 E
Jane Dough	URZJC-10	9/6/2012	Cations	meq/L	4.59	Energy Laboratories	C12090157-001	9/18/2012	A1030 E
Jane Dough	URZJC-10	9/6/2012	Solids, Total Dissolved Calculated	mg/L	280	Energy Laboratories	C12090157-001	9/18/2012	A1030 E
Jane Dough	URZJC-10	9/6/2012	TDS Balance (0.80 - 1.20)		1.07	Energy Laboratories	C12090157-001	9/18/2012	A1030 E
Jane Dough	URZJC-10	9/6/2012	Alkalinity, Total as CaCO3	mg/L	136	Energy Laboratories	C12090157-001	9/7/2012	A2320 B
Jane Dough	URZJC-10	9/6/2012	Bicarbonate as HCO3	mg/L	165	Energy Laboratories	C12090157-001	9/7/2012	A2320 B
Jane Dough	URZJC-10	9/6/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12090157-001	9/7/2012	A2320 B
Jane Dough	URZJC-10	9/6/2012	Conductivity @ 25 C	umhos/cm	471	Energy Laboratories	C12090157-001	9/7/2012	A2510 B
Jane Dough	URZJC-10	9/6/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	303	Energy Laboratories	C12090157-001	9/7/2012	A2540 C
Jane Dough	URZJC-10	9/6/2012	Fluoride	mg/L	0.4	Energy Laboratories	C12090157-001	9/11/2012	A4500-F C
Jane Dough	URZJC-10	9/6/2012	pH	s.u.	8.78	Energy Laboratories	C12090157-001	9/7/2012	A4500-H B
Jane Dough	URZJC-10	9/6/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12090157-001	9/11/2012	A4500-NH3 G
Jane Dough	URZJC-10	9/6/2012	Aluminum	mg/L	ND	Energy Laboratories	C12090157-001	9/14/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Barium	mg/L	ND	Energy Laboratories	C12090157-001	9/14/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Boron	mg/L	ND	Energy Laboratories	C12090157-001	9/14/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Cadmium	mg/L	ND	Energy Laboratories	C12090157-001	9/14/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Calcium	mg/L	8	Energy Laboratories	C12090157-001	9/14/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Calcium, SAR	meq/L	0.39	Energy Laboratories	C12090157-001	9/14/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Chromium	mg/L	ND	Energy Laboratories	C12090157-001	9/14/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Copper	mg/L	ND	Energy Laboratories	C12090157-001	9/14/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Iron	mg/L	ND	Energy Laboratories	C12090157-001	9/14/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Iron	mg/L	ND	Energy Laboratories	C12090157-001	9/17/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Magnesium	mg/L	ND	Energy Laboratories	C12090157-001	9/14/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12090157-001	9/14/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Manganese	mg/L	ND	Energy Laboratories	C12090157-001	9/14/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12090157-001	9/14/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Nickel	mg/L	ND	Energy Laboratories	C12090157-001	9/14/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Potassium	mg/L	6	Energy Laboratories	C12090157-001	9/14/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Silica	mg/L	10.9	Energy Laboratories	C12090157-001	9/19/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Sodium	mg/L	92	Energy Laboratories	C12090157-001	9/14/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Sodium, SAR	meq/L	3.98	Energy Laboratories	C12090157-001	9/14/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Vanadium	mg/L	ND	Energy Laboratories	C12090157-001	9/14/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Zinc	mg/L	0.02	Energy Laboratories	C12090157-001	9/14/2012	E200.7
Jane Dough	URZJC-10	9/6/2012	Arsenic	mg/L	ND	Energy Laboratories	C12090157-001	9/14/2012	E200.8
Jane Dough	URZJC-10	9/6/2012	Lead	mg/L	ND	Energy Laboratories	C12090157-001	9/14/2012	E200.8
Jane Dough	URZJC-10	9/6/2012	Manganese	mg/L	ND	Energy Laboratories	C12090157-001	9/14/2012	E200.8
Jane Dough	URZJC-10	9/6/2012	Mercury	mg/L	ND	Energy Laboratories	C12090157-001	9/14/2012	E200.8
Jane Dough	URZJC-10	9/6/2012	Selenium	mg/L	ND	Energy Laboratories	C12090157-001	9/14/2012	E200.8
Jane Dough	URZJC-10	9/6/2012	Uranium	mg/L	ND	Energy Laboratories	C12090157-001	9/14/2012	E200.8
Jane Dough	URZJC-10	9/6/2012	Chloride	mg/L	8	Energy Laboratories	C12090157-001	9/7/2012	E300.0
Jane Dough	URZJC-10	9/6/2012	Sulfate	mg/L	88	Energy Laboratories	C12090157-001	9/7/2012	E300.0
Jane Dough	URZJC-10	9/6/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12090157-001	9/10/2012	E353.2
Jane Dough	URZJC-10	9/6/2012	Gross Alpha	pCi/L	-0.8	Energy Laboratories	C12090157-001	9/18/2012	E900.0
Jane Dough	URZJC-10	9/6/2012	Gross Alpha MDC	pCi/L	1.6	Energy Laboratories	C12090157-001	9/18/2012	E900.0
Jane Dough	URZJC-10	9/6/2012	Gross Alpha precision (±)	pCi/L	0.9	Energy Laboratories	C12090157-001	9/18/2012	E900.0
Jane Dough	URZJC-10	9/6/2012	Gross Beta	pCi/L	4.5	Energy Laboratories	C12090157-001	9/18/2012	E900.0
Jane Dough	URZJC-10	9/6/2012	Gross Beta MDC	pCi/L	2.6	Energy Laboratories	C12090157-001	9/18/2012	E900.0
Jane Dough	URZJC-10	9/6/2012	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C12090157-001	9/18/2012	E900.0
Jane Dough	URZJC-10	9/6/2012	Radium 226	pCi/L	0.01	Energy Laboratories	C12090157-001	9/26/2012	E903.0
Jane Dough	URZJC-10	9/6/2012	Radium 226 MDC	pCi/L	0.19	Energy Laboratories	C12090157-001	9/26/2012	E903.0
Jane Dough	URZJC-10	9/6/2012	Radium 226 precision (±)	pCi/L	0.11	Energy Laboratories	C12090157-001	9/26/2012	E903.0
Jane Dough	URZJC-10	9/6/2012	Radium 228	pCi/L	0.1	Energy Laboratories	C12090157-001	9/13/2012	RA-05
Jane Dough	URZJC-10	9/6/2012	Radium 228 MDC	pCi/L	1.5	Energy Laboratories	C12090157-001	9/13/2012	RA-05
Jane Dough	URZJC-10	9/6/2012	Radium 228 precision (±)	pCi/L	0.9	Energy Laboratories	C12090157-001	9/13/2012	RA-05
Jane Dough	URZJC-10	9/6/2012	Sodium Adsorption Ratio (SAR)	unitless	8.2	Energy Laboratories	C12090157-001	9/14/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJC-10	11/14/2012	A/C Balance (± 5)	%	-2.10	Energy Laboratories	C12110639-001	11/29/2012	A1030 E
Jane Dough	URZJC-10	11/14/2012	Anions	meq/L	5.10	Energy Laboratories	C12110639-001	11/29/2012	A1030 E
Jane Dough	URZJC-10	11/14/2012	Cations	meq/L	4.89	Energy Laboratories	C12110639-001	11/29/2012	A1030 E
Jane Dough	URZJC-10	11/14/2012	Solids, Total Dissolved Calculated	mg/L	320	Energy Laboratories	C12110639-001	11/29/2012	A1030 E
Jane Dough	URZJC-10	11/14/2012	TDS Balance (0.80 - 1.20)		0.940	Energy Laboratories	C12110639-001	11/29/2012	A1030 E
Jane Dough	URZJC-10	11/14/2012	Alkalinity, Total as CaCO3	mg/L	141	Energy Laboratories	C12110639-001	11/15/2012	A2320 B
Jane Dough	URZJC-10	11/14/2012	Bicarbonate as HCO3	mg/L	171	Energy Laboratories	C12110639-001	11/15/2012	A2320 B
Jane Dough	URZJC-10	11/14/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12110639-001	11/15/2012	A2320 B
Jane Dough	URZJC-10	11/14/2012	Conductivity @ 25 C	umhos/cm	487	Energy Laboratories	C12110639-001	11/15/2012	A2510 B
Jane Dough	URZJC-10	11/14/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	297	Energy Laboratories	C12110639-001	11/15/2012	A2540 C
Jane Dough	URZJC-10	11/14/2012	Fluoride	mg/L	0.4	Energy Laboratories	C12110639-001	11/16/2012	A4500-F C
Jane Dough	URZJC-10	11/14/2012	pH	s.u.	8.51	Energy Laboratories	C12110639-001	11/15/2012	A4500-H B
Jane Dough	URZJC-10	11/14/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12110639-001	11/19/2012	A4500-NH3 G
Jane Dough	URZJC-10	11/14/2012	Aluminum	mg/L	ND	Energy Laboratories	C12110639-001	11/27/2012	E200.7
Jane Dough	URZJC-10	11/14/2012	Barium	mg/L	ND	Energy Laboratories	C12110639-001	11/27/2012	E200.7
Jane Dough	URZJC-10	11/14/2012	Boron	mg/L	ND	Energy Laboratories	C12110639-001	11/27/2012	E200.7
Jane Dough	URZJC-10	11/14/2012	Calcium	mg/L	11	Energy Laboratories	C12110639-001	11/27/2012	E200.7
Jane Dough	URZJC-10	11/14/2012	Calcium, SAR	meq/L	0.56	Energy Laboratories	C12110639-001	11/27/2012	E200.7
Jane Dough	URZJC-10	11/14/2012	Chromium	mg/L	ND	Energy Laboratories	C12110639-001	11/27/2012	E200.7
Jane Dough	URZJC-10	11/14/2012	Copper	mg/L	ND	Energy Laboratories	C12110639-001	11/27/2012	E200.7
Jane Dough	URZJC-10	11/14/2012	Iron	mg/L	ND	Energy Laboratories	C12110639-001	11/27/2012	E200.7
Jane Dough	URZJC-10	11/14/2012	Iron	mg/L	ND	Energy Laboratories	C12110639-001	11/20/2012	E200.7
Jane Dough	URZJC-10	11/14/2012	Magnesium	mg/L	1	Energy Laboratories	C12110639-001	11/27/2012	E200.7
Jane Dough	URZJC-10	11/14/2012	Magnesium, SAR	meq/L	0.12	Energy Laboratories	C12110639-001	11/27/2012	E200.7
Jane Dough	URZJC-10	11/14/2012	Manganese	mg/L	ND	Energy Laboratories	C12110639-001	11/27/2012	E200.7
Jane Dough	URZJC-10	11/14/2012	Manganese	mg/L	ND	Energy Laboratories	C12110639-001	11/20/2012	E200.7
Jane Dough	URZJC-10	11/14/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12110639-001	11/27/2012	E200.7
Jane Dough	URZJC-10	11/14/2012	Potassium	mg/L	4	Energy Laboratories	C12110639-001	11/27/2012	E200.7
Jane Dough	URZJC-10	11/14/2012	Silica	mg/L	10.0	Energy Laboratories	C12110639-001	11/27/2012	E200.7
Jane Dough	URZJC-10	11/14/2012	Sodium	mg/L	94	Energy Laboratories	C12110639-001	11/27/2012	E200.7
Jane Dough	URZJC-10	11/14/2012	Sodium, SAR	meq/L	4.11	Energy Laboratories	C12110639-001	11/27/2012	E200.7
Jane Dough	URZJC-10	11/14/2012	Vanadium	mg/L	ND	Energy Laboratories	C12110639-001	11/27/2012	E200.7
Jane Dough	URZJC-10	11/14/2012	Zinc	mg/L	0.02	Energy Laboratories	C12110639-001	11/27/2012	E200.7
Jane Dough	URZJC-10	11/14/2012	Arsenic	mg/L	ND	Energy Laboratories	C12110639-001	11/28/2012	E200.8
Jane Dough	URZJC-10	11/14/2012	Cadmium	mg/L	ND	Energy Laboratories	C12110639-001	11/28/2012	E200.8
Jane Dough	URZJC-10	11/14/2012	Lead	mg/L	ND	Energy Laboratories	C12110639-001	11/28/2012	E200.8
Jane Dough	URZJC-10	11/14/2012	Mercury	mg/L	ND	Energy Laboratories	C12110639-001	11/28/2012	E200.8
Jane Dough	URZJC-10	11/14/2012	Nickel	mg/L	ND	Energy Laboratories	C12110639-001	11/28/2012	E200.8
Jane Dough	URZJC-10	11/14/2012	Selenium	mg/L	ND	Energy Laboratories	C12110639-001	11/28/2012	E200.8
Jane Dough	URZJC-10	11/14/2012	Uranium	mg/L	ND	Energy Laboratories	C12110639-001	11/28/2012	E200.8
Jane Dough	URZJC-10	11/14/2012	Chloride	mg/L	8	Energy Laboratories	C12110639-001	11/20/2012	E300.0
Jane Dough	URZJC-10	11/14/2012	Sulfate	mg/L	89	Energy Laboratories	C12110639-001	11/20/2012	E300.0
Jane Dough	URZJC-10	11/14/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	2.4	Energy Laboratories	C12110639-001	11/16/2012	E353.2
Jane Dough	URZJC-10	11/14/2012	Gross Alpha	pCi/L	-0.9	Energy Laboratories	C12110639-001	12/4/2012	E900.0
Jane Dough	URZJC-10	11/14/2012	Gross Alpha MDC	pCi/L	1.7	Energy Laboratories	C12110639-001	12/4/2012	E900.0
Jane Dough	URZJC-10	11/14/2012	Gross Alpha precision (±)	pCi/L	0.9	Energy Laboratories	C12110639-001	12/4/2012	E900.0
Jane Dough	URZJC-10	11/14/2012	Gross Beta	pCi/L	0.6	Energy Laboratories	C12110639-001	12/4/2012	E900.0
Jane Dough	URZJC-10	11/14/2012	Gross Beta MDC	pCi/L	2.7	Energy Laboratories	C12110639-001	12/4/2012	E900.0
Jane Dough	URZJC-10	11/14/2012	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories	C12110639-001	12/4/2012	E900.0
Jane Dough	URZJC-10	11/14/2012	Radium 226	pCi/L	-0.04	Energy Laboratories	C12110639-001	12/4/2012	E903.0
Jane Dough	URZJC-10	11/14/2012	Radium 226 MDC	pCi/L	0.20	Energy Laboratories	C12110639-001	12/4/2012	E903.0
Jane Dough	URZJC-10	11/14/2012	Radium 226 precision (±)	pCi/L	0.10	Energy Laboratories	C12110639-001	12/4/2012	E903.0
Jane Dough	URZJC-10	11/14/2012	Radium 228	pCi/L	1	Energy Laboratories	C12110639-001	11/28/2012	RA-05
Jane Dough	URZJC-10	11/14/2012	Radium 228 MDC	pCi/L	1.9	Energy Laboratories	C12110639-001	11/28/2012	RA-05
Jane Dough	URZJC-10	11/14/2012	Radium 228 precision (±)	pCi/L	1.2	Energy Laboratories	C12110639-001	11/28/2012	RA-05
Jane Dough	URZJC-10	11/14/2012	Sodium Adsorption Ratio (SAR)	unitless	7.0	Energy Laboratories	C12110639-001	11/27/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJC-16	6/14/2012	A/C Balance (± 5)	%	-1.87	Energy Laboratories	C12060683-001	6/29/2012	A1030 E
Jane Dough	URZJC-16	6/14/2012	Anions	meq/L	23.6	Energy Laboratories	C12060683-001	6/29/2012	A1030 E
Jane Dough	URZJC-16	6/14/2012	Cations	meq/L	22.7	Energy Laboratories	C12060683-001	6/29/2012	A1030 E
Jane Dough	URZJC-16	6/14/2012	Solids, Total Dissolved Calculated	mg/L	1600	Energy Laboratories	C12060683-001	6/29/2012	A1030 E
Jane Dough	URZJC-16	6/14/2012	TDS Balance (0.80 - 1.20)		1.03	Energy Laboratories	C12060683-001	6/29/2012	A1030 E
Jane Dough	URZJC-16	6/14/2012	Alkalinity, Total as CaCO3	mg/L	151	Energy Laboratories	C12060683-001	6/15/2012	A2320 B
Jane Dough	URZJC-16	6/14/2012	Bicarbonate as HCO3	mg/L	184	Energy Laboratories	C12060683-001	6/15/2012	A2320 B
Jane Dough	URZJC-16	6/14/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12060683-001	6/15/2012	A2320 B
Jane Dough	URZJC-16	6/14/2012	Conductivity @ 25 C	umhos/cm	2080	Energy Laboratories	C12060683-001	6/18/2012	A2510 B
Jane Dough	URZJC-16	6/14/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	1600	Energy Laboratories	C12060683-001	6/19/2012	A2540 C
Jane Dough	URZJC-16	6/14/2012	Fluoride	mg/L	0.1	Energy Laboratories	C12060683-001	6/18/2012	A4500-F C
Jane Dough	URZJC-16	6/14/2012	pH	s.u.	7.99	Energy Laboratories	C12060683-001	6/18/2012	A4500-H B
Jane Dough	URZJC-16	6/14/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12060683-001	6/20/2012	A4500-NH3 G
Jane Dough	URZJC-16	6/14/2012	Aluminum	mg/L	ND	Energy Laboratories	C12060683-001	6/26/2012	E200.7
Jane Dough	URZJC-16	6/14/2012	Boron	mg/L	0.2	Energy Laboratories	C12060683-001	6/26/2012	E200.7
Jane Dough	URZJC-16	6/14/2012	Calcium	mg/L	177	Energy Laboratories	C12060683-001	6/26/2012	E200.7
Jane Dough	URZJC-16	6/14/2012	Calcium, SAR	meq/L	8.85	Energy Laboratories	C12060683-001	6/26/2012	E200.7
Jane Dough	URZJC-16	6/14/2012	Iron	mg/L	ND	Energy Laboratories	C12060683-001	6/26/2012	E200.7
Jane Dough	URZJC-16	6/14/2012	Magnesium	mg/L	32	Energy Laboratories	C12060683-001	6/26/2012	E200.7
Jane Dough	URZJC-16	6/14/2012	Magnesium, SAR	meq/L	2.68	Energy Laboratories	C12060683-001	6/26/2012	E200.7
Jane Dough	URZJC-16	6/14/2012	Manganese	mg/L	0.10	Energy Laboratories	C12060683-001	6/26/2012	E200.7
Jane Dough	URZJC-16	6/14/2012	Potassium	mg/L	12	Energy Laboratories	C12060683-001	6/26/2012	E200.7
Jane Dough	URZJC-16	6/14/2012	Sodium	mg/L	251	Energy Laboratories	C12060683-001	6/26/2012	E200.7
Jane Dough	URZJC-16	6/14/2012	Sodium, SAR	meq/L	10.9	Energy Laboratories	C12060683-001	6/26/2012	E200.7
Jane Dough	URZJC-16	6/14/2012	Arsenic	mg/L	ND	Energy Laboratories	C12060683-001	6/22/2012	E200.8
Jane Dough	URZJC-16	6/14/2012	Barium	mg/L	ND	Energy Laboratories	C12060683-001	6/22/2012	E200.8
Jane Dough	URZJC-16	6/14/2012	Cadmium	mg/L	ND	Energy Laboratories	C12060683-001	6/22/2012	E200.8
Jane Dough	URZJC-16	6/14/2012	Chromium	mg/L	ND	Energy Laboratories	C12060683-001	6/22/2012	E200.8
Jane Dough	URZJC-16	6/14/2012	Copper	mg/L	ND	Energy Laboratories	C12060683-001	6/22/2012	E200.8
Jane Dough	URZJC-16	6/14/2012	Iron	mg/L	ND	Energy Laboratories	C12060683-001	6/22/2012	E200.8
Jane Dough	URZJC-16	6/14/2012	Lead	mg/L	ND	Energy Laboratories	C12060683-001	6/22/2012	E200.8
Jane Dough	URZJC-16	6/14/2012	Manganese	mg/L	0.08	Energy Laboratories	C12060683-001	6/22/2012	E200.8
Jane Dough	URZJC-16	6/14/2012	Mercury	mg/L	ND	Energy Laboratories	C12060683-001	6/22/2012	E200.8
Jane Dough	URZJC-16	6/14/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12060683-001	6/22/2012	E200.8
Jane Dough	URZJC-16	6/14/2012	Nickel	mg/L	ND	Energy Laboratories	C12060683-001	6/22/2012	E200.8
Jane Dough	URZJC-16	6/14/2012	Selenium	mg/L	0.021	Energy Laboratories	C12060683-001	6/22/2012	E200.8
Jane Dough	URZJC-16	6/14/2012	Silica	mg/L	8.7	Energy Laboratories	C12060683-001	6/22/2012	E200.8
Jane Dough	URZJC-16	6/14/2012	Uranium	mg/L	0.155	Energy Laboratories	C12060683-001	6/22/2012	E200.8
Jane Dough	URZJC-16	6/14/2012	Vanadium	mg/L	ND	Energy Laboratories	C12060683-001	6/22/2012	E200.8
Jane Dough	URZJC-16	6/14/2012	Zinc	mg/L	0.02	Energy Laboratories	C12060683-001	6/22/2012	E200.8
Jane Dough	URZJC-16	6/14/2012	Chloride	mg/L	7	Energy Laboratories	C12060683-001	6/26/2012	E300.0
Jane Dough	URZJC-16	6/14/2012	Sulfate	mg/L	973	Energy Laboratories	C12060683-001	6/26/2012	E300.0
Jane Dough	URZJC-16	6/14/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	1.0	Energy Laboratories	C12060683-001	6/21/2012	E353.2
Jane Dough	URZJC-16	6/14/2012	Gross Alpha	pCi/L	185	Energy Laboratories	C12060683-001	6/28/2012	E900.0
Jane Dough	URZJC-16	6/14/2012	Gross Alpha MDC	pCi/L	5.5	Energy Laboratories	C12060683-001	6/28/2012	E900.0
Jane Dough	URZJC-16	6/14/2012	Gross Alpha precision (±)	pCi/L	8.1	Energy Laboratories	C12060683-001	6/28/2012	E900.0
Jane Dough	URZJC-16	6/14/2012	Gross Beta	pCi/L	30.8	Energy Laboratories	C12060683-001	6/28/2012	E900.0
Jane Dough	URZJC-16	6/14/2012	Gross Beta MDC	pCi/L	6.5	Energy Laboratories	C12060683-001	6/28/2012	E900.0
Jane Dough	URZJC-16	6/14/2012	Gross Beta precision (±)	pCi/L	4.7	Energy Laboratories	C12060683-001	6/28/2012	E900.0
Jane Dough	URZJC-16	6/14/2012	Radium 226	pCi/L	2.1	Energy Laboratories	C12060683-001	7/2/2012	E903.0
Jane Dough	URZJC-16	6/14/2012	Radium 226 MDC	pCi/L	0.17	Energy Laboratories	C12060683-001	7/2/2012	E903.0
Jane Dough	URZJC-16	6/14/2012	Radium 226 precision (±)	pCi/L	0.31	Energy Laboratories	C12060683-001	7/2/2012	E903.0
Jane Dough	URZJC-16	6/14/2012	Radium 228	pCi/L	0.2	Energy Laboratories	C12060683-001	6/25/2012	RA-05
Jane Dough	URZJC-16	6/14/2012	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C12060683-001	6/25/2012	RA-05
Jane Dough	URZJC-16	6/14/2012	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C12060683-001	6/25/2012	RA-05
Jane Dough	URZJC-16	6/14/2012	Sodium Adsorption Ratio (SAR)	unitless	4.6	Energy Laboratories	C12060683-001	6/28/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJC-16	10/2/2012	A/C Balance (± 5)	%	-1.32	Energy Laboratories	C12100134-001	10/10/2012	A1030 E
Jane Dough	URZJC-16	10/2/2012	Anions	meq/L	24.8	Energy Laboratories	C12100134-001	10/10/2012	A1030 E
Jane Dough	URZJC-16	10/2/2012	Cations	meq/L	24.1	Energy Laboratories	C12100134-001	10/10/2012	A1030 E
Jane Dough	URZJC-16	10/2/2012	Solids, Total Dissolved Calculated	mg/L	1600	Energy Laboratories	C12100134-001	10/10/2012	A1030 E
Jane Dough	URZJC-16	10/2/2012	TDS Balance (0.80 - 1.20)		1.05	Energy Laboratories	C12100134-001	10/10/2012	A1030 E
Jane Dough	URZJC-16	10/2/2012	Alkalinity, Total as CaCO3	mg/L	159	Energy Laboratories	C12100134-001	10/4/2012	A2320 B
Jane Dough	URZJC-16	10/2/2012	Bicarbonate as HCO3	mg/L	194	Energy Laboratories	C12100134-001	10/4/2012	A2320 B
Jane Dough	URZJC-16	10/2/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12100134-001	10/4/2012	A2320 B
Jane Dough	URZJC-16	10/2/2012	Conductivity @ 25 C	umhos/cm	2110	Energy Laboratories	C12100134-001	10/4/2012	A2510 B
Jane Dough	URZJC-16	10/2/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	1710	Energy Laboratories	C12100134-001	10/4/2012	A2540 C
Jane Dough	URZJC-16	10/2/2012	Fluoride	mg/L	0.1	Energy Laboratories	C12100134-001	10/5/2012	A4500-F C
Jane Dough	URZJC-16	10/2/2012	pH	s.u.	7.74	Energy Laboratories	C12100134-001	10/4/2012	A4500-H B
Jane Dough	URZJC-16	10/2/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12100134-001	10/8/2012	A4500-NH3 G
Jane Dough	URZJC-16	10/2/2012	Silica	mg/L	10.1	Energy Laboratories	C12100134-001	10/16/2012	E200.7
Jane Dough	URZJC-16	10/2/2012	Aluminum	mg/L	ND	Energy Laboratories	C12100134-001	10/11/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Arsenic	mg/L	ND	Energy Laboratories	C12100134-001	10/9/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Barium	mg/L	ND	Energy Laboratories	C12100134-001	10/11/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Boron	mg/L	ND	Energy Laboratories	C12100134-001	10/9/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Cadmium	mg/L	ND	Energy Laboratories	C12100134-001	10/11/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Calcium	mg/L	208	Energy Laboratories	C12100134-001	10/9/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Calcium, SAR	meq/L	10.4	Energy Laboratories	C12100134-001	10/9/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Chromium	mg/L	ND	Energy Laboratories	C12100134-001	10/9/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Copper	mg/L	ND	Energy Laboratories	C12100134-001	10/9/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Iron	mg/L	ND	Energy Laboratories	C12100134-001	10/9/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Iron	mg/L	ND	Energy Laboratories	C12100134-001	10/16/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Lead	mg/L	ND	Energy Laboratories	C12100134-001	10/11/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Magnesium	mg/L	37	Energy Laboratories	C12100134-001	10/9/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Magnesium, SAR	meq/L	3.07	Energy Laboratories	C12100134-001	10/9/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Manganese	mg/L	0.10	Energy Laboratories	C12100134-001	10/11/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Manganese	mg/L	0.11	Energy Laboratories	C12100134-001	10/16/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Mercury	mg/L	ND	Energy Laboratories	C12100134-001	10/11/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12100134-001	10/11/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Nickel	mg/L	ND	Energy Laboratories	C12100134-001	10/9/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Potassium	mg/L	10	Energy Laboratories	C12100134-001	10/9/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Selenium	mg/L	0.025	Energy Laboratories	C12100134-001	10/9/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Sodium	mg/L	240	Energy Laboratories	C12100134-001	10/9/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Sodium, SAR	meq/L	10.4	Energy Laboratories	C12100134-001	10/9/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Uranium	mg/L	0.176	Energy Laboratories	C12100134-001	10/11/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Vanadium	mg/L	ND	Energy Laboratories	C12100134-001	10/9/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Zinc	mg/L	ND	Energy Laboratories	C12100134-001	10/9/2012	E200.8
Jane Dough	URZJC-16	10/2/2012	Chloride	mg/L	7	Energy Laboratories	C12100134-001	10/4/2012	E300.0
Jane Dough	URZJC-16	10/2/2012	Sulfate	mg/L	1020	Energy Laboratories	C12100134-001	10/5/2012	E300.0
Jane Dough	URZJC-16	10/2/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	1.4	Energy Laboratories	C12100134-001	10/4/2012	E353.2
Jane Dough	URZJC-16	10/2/2012	Gross Alpha	pCi/L	175	Energy Laboratories	C12100134-001	10/17/2012	E900.0
Jane Dough	URZJC-16	10/2/2012	Gross Alpha MDC	pCi/L	5.4	Energy Laboratories	C12100134-001	10/17/2012	E900.0
Jane Dough	URZJC-16	10/2/2012	Gross Alpha precision (±)	pCi/L	8.2	Energy Laboratories	C12100134-001	10/17/2012	E900.0
Jane Dough	URZJC-16	10/2/2012	Gross Beta	pCi/L	30.8	Energy Laboratories	C12100134-001	10/17/2012	E900.0
Jane Dough	URZJC-16	10/2/2012	Gross Beta MDC	pCi/L	10.5	Energy Laboratories	C12100134-001	10/17/2012	E900.0
Jane Dough	URZJC-16	10/2/2012	Gross Beta precision (±)	pCi/L	7.3	Energy Laboratories	C12100134-001	10/17/2012	E900.0
Jane Dough	URZJC-16	10/2/2012	Radium 226	pCi/L	1.0	Energy Laboratories	C12100134-001	10/15/2012	E903.0
Jane Dough	URZJC-16	10/2/2012	Radium 226 MDC	pCi/L	0.17	Energy Laboratories	C12100134-001	10/15/2012	E903.0
Jane Dough	URZJC-16	10/2/2012	Radium 226 precision (±)	pCi/L	0.23	Energy Laboratories	C12100134-001	10/15/2012	E903.0
Jane Dough	URZJC-16	10/2/2012	Radium 228	pCi/L	1.3	Energy Laboratories	C12100134-001	10/9/2012	RA-05
Jane Dough	URZJC-16	10/2/2012	Radium 228 MDC	pCi/L	1.7	Energy Laboratories	C12100134-001	10/9/2012	RA-05
Jane Dough	URZJC-16	10/2/2012	Radium 228 precision (±)	pCi/L	1.1	Energy Laboratories	C12100134-001	10/9/2012	RA-05
Jane Dough	URZJC-16	10/2/2012	Sodium Adsorption Ratio (SAR)	unitless	4.0	Energy Laboratories	C12100134-001	10/9/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJC-16	1/10/2013	A/C Balance (± 5)	%	1.15	Energy Laboratories	C13010319-001	1/17/2013	A1030 E
Jane Dough	URZJC-16	1/10/2013	Anions	meq/L	25.0	Energy Laboratories	C13010319-001	1/17/2013	A1030 E
Jane Dough	URZJC-16	1/10/2013	Cations	meq/L	25.6	Energy Laboratories	C13010319-001	1/17/2013	A1030 E
Jane Dough	URZJC-16	1/10/2013	Solids, Total Dissolved Calculated	mg/L	1700	Energy Laboratories	C13010319-001	1/17/2013	A1030 E
Jane Dough	URZJC-16	1/10/2013	TDS Balance (0.80 - 1.20)		1.03	Energy Laboratories	C13010319-001	1/17/2013	A1030 E
Jane Dough	URZJC-16	1/10/2013	Alkalinity, Total as CaCO3	mg/L	160	Energy Laboratories	C13010319-001	1/11/2013	A2320 B
Jane Dough	URZJC-16	1/10/2013	Bicarbonate as HCO3	mg/L	196	Energy Laboratories	C13010319-001	1/11/2013	A2320 B
Jane Dough	URZJC-16	1/10/2013	Carbonate as CO3	mg/L	ND	Energy Laboratories	C13010319-001	1/11/2013	A2320 B
Jane Dough	URZJC-16	1/10/2013	Conductivity @ 25 C	umhos/cm	2160	Energy Laboratories	C13010319-001	1/11/2013	A2510 B
Jane Dough	URZJC-16	1/10/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	1730	Energy Laboratories	C13010319-001	1/11/2013	A2540 C
Jane Dough	URZJC-16	1/10/2013	Fluoride	mg/L	0.1	Energy Laboratories	C13010319-001	1/11/2013	A4500-F C
Jane Dough	URZJC-16	1/10/2013	pH	s.u.	7.72	Energy Laboratories	C13010319-001	1/11/2013	A4500-H B
Jane Dough	URZJC-16	1/10/2013	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C13010319-001	1/11/2013	A4500-NH3 G
Jane Dough	URZJC-16	1/10/2013	Aluminum	mg/L	ND	Energy Laboratories	C13010319-001	1/11/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Barium	mg/L	ND	Energy Laboratories	C13010319-001	1/11/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Boron	mg/L	ND	Energy Laboratories	C13010319-001	1/11/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Calcium	mg/L	213	Energy Laboratories	C13010319-001	1/11/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Calcium, SAR	meq/L	10.7	Energy Laboratories	C13010319-001	1/11/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Chromium	mg/L	ND	Energy Laboratories	C13010319-001	1/11/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Copper	mg/L	ND	Energy Laboratories	C13010319-001	1/11/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Iron	mg/L	ND	Energy Laboratories	C13010319-001	1/11/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Iron	mg/L	ND	Energy Laboratories	C13010319-001	1/15/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Magnesium	mg/L	38	Energy Laboratories	C13010319-001	1/11/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Magnesium, SAR	meq/L	3.21	Energy Laboratories	C13010319-001	1/11/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Manganese	mg/L	0.10	Energy Laboratories	C13010319-001	1/11/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Manganese	mg/L	0.11	Energy Laboratories	C13010319-001	1/15/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Molybdenum	mg/L	ND	Energy Laboratories	C13010319-001	1/11/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Nickel	mg/L	ND	Energy Laboratories	C13010319-001	1/11/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Potassium	mg/L	10	Energy Laboratories	C13010319-001	1/11/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Silica	mg/L	9.9	Energy Laboratories	C13010319-001	1/11/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Sodium	mg/L	265	Energy Laboratories	C13010319-001	1/11/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Sodium, SAR	meq/L	11.5	Energy Laboratories	C13010319-001	1/11/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Vanadium	mg/L	ND	Energy Laboratories	C13010319-001	1/11/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Zinc	mg/L	0.02	Energy Laboratories	C13010319-001	1/11/2013	E200.7
Jane Dough	URZJC-16	1/10/2013	Arsenic	mg/L	ND	Energy Laboratories	C13010319-001	1/15/2013	E200.8
Jane Dough	URZJC-16	1/10/2013	Cadmium	mg/L	ND	Energy Laboratories	C13010319-001	1/15/2013	E200.8
Jane Dough	URZJC-16	1/10/2013	Lead	mg/L	ND	Energy Laboratories	C13010319-001	1/15/2013	E200.8
Jane Dough	URZJC-16	1/10/2013	Mercury	mg/L	ND	Energy Laboratories	C13010319-001	1/15/2013	E200.8
Jane Dough	URZJC-16	1/10/2013	Selenium	mg/L	0.032	Energy Laboratories	C13010319-001	1/15/2013	E200.8
Jane Dough	URZJC-16	1/10/2013	Uranium	mg/L	0.194	Energy Laboratories	C13010319-001	1/15/2013	E200.8
Jane Dough	URZJC-16	1/10/2013	Chloride	mg/L	7	Energy Laboratories	C13010319-001	1/11/2013	E300.0
Jane Dough	URZJC-16	1/10/2013	Sulfate	mg/L	1030	Energy Laboratories	C13010319-001	1/11/2013	E300.0
Jane Dough	URZJC-16	1/10/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	1.7	Energy Laboratories	C13010319-001	1/16/2013	E353.2
Jane Dough	URZJC-16	1/10/2013	Gross Alpha	pCi/L	251	Energy Laboratories	C13010319-001	1/22/2013	E900.0
Jane Dough	URZJC-16	1/10/2013	Gross Alpha MDC	pCi/L	5.6	Energy Laboratories	C13010319-001	1/22/2013	E900.0
Jane Dough	URZJC-16	1/10/2013	Gross Alpha precision (±)	pCi/L	9.7	Energy Laboratories	C13010319-001	1/22/2013	E900.0
Jane Dough	URZJC-16	1/10/2013	Gross Beta	pCi/L	24.7	Energy Laboratories	C13010319-001	1/22/2013	E900.0
Jane Dough	URZJC-16	1/10/2013	Gross Beta MDC	pCi/L	6.6	Energy Laboratories	C13010319-001	1/22/2013	E900.0
Jane Dough	URZJC-16	1/10/2013	Gross Beta precision (±)	pCi/L	4.7	Energy Laboratories	C13010319-001	1/22/2013	E900.0
Jane Dough	URZJC-16	1/10/2013	Radium 226	pCi/L	0.71	Energy Laboratories	C13010319-001	1/29/2013	E903.0
Jane Dough	URZJC-16	1/10/2013	Radium 226 MDC	pCi/L	0.14	Energy Laboratories	C13010319-001	1/29/2013	E903.0
Jane Dough	URZJC-16	1/10/2013	Radium 226 precision (±)	pCi/L	0.17	Energy Laboratories	C13010319-001	1/29/2013	E903.0
Jane Dough	URZJC-16	1/10/2013	Radium 228	pCi/L	1.7	Energy Laboratories	C13010319-001	1/24/2013	RA-05
Jane Dough	URZJC-16	1/10/2013	Radium 228 MDC	pCi/L	0.9	Energy Laboratories	C13010319-001	1/24/2013	RA-05
Jane Dough	URZJC-16	1/10/2013	Radium 228 precision (±)	pCi/L	0.6	Energy Laboratories	C13010319-001	1/24/2013	RA-05
Jane Dough	URZJC-16	1/10/2013	Sodium Adsorption Ratio (SAR)	unitless	4.4	Energy Laboratories	C13010319-001	2/4/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJC-16 (A)	1/10/2013	A/C Balance (± 5)	%	0.340	Energy Laboratories	C13010319-002	1/17/2013	A1030 E
Jane Dough	URZJC-16 (A)	1/10/2013	Anions	meq/L	25.0	Energy Laboratories Casper	C13010319-002	1/17/2013	A1030 E
Jane Dough	URZJC-16 (A)	1/10/2013	Cations	meq/L	25.1	Energy Laboratories Casper	C13010319-002	1/17/2013	A1030 E
Jane Dough	URZJC-16 (A)	1/10/2013	Solids, Total Dissolved Calculated	mg/L	1700	Energy Laboratories Casper	C13010319-002	1/17/2013	A1030 E
Jane Dough	URZJC-16 (A)	1/10/2013	TDS Balance (0.80 - 1.20)		1.02	Energy Laboratories Casper	C13010319-002	1/17/2013	A1030 E
Jane Dough	URZJC-16 (A)	1/10/2013	Alkalinity, Total as CaCO3	mg/L	160	Energy Laboratories Casper	C13010319-002	1/11/2013	A2320 B
Jane Dough	URZJC-16 (A)	1/10/2013	Bicarbonate as HCO3	mg/L	195	Energy Laboratories Casper	C13010319-002	1/11/2013	A2320 B
Jane Dough	URZJC-16 (A)	1/10/2013	Carbonate as CO3	mg/L	ND	Energy Laboratories Casper	C13010319-002	1/11/2013	A2320 B
Jane Dough	URZJC-16 (A)	1/10/2013	Conductivity @ 25 C	umhos/cm	2090	Energy Laboratories Casper	C13010319-002	1/11/2013	A2510 B
Jane Dough	URZJC-16 (A)	1/10/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	1700	Energy Laboratories Casper	C13010319-002	1/11/2013	A2540 C
Jane Dough	URZJC-16 (A)	1/10/2013	Fluoride	mg/L	0.1	Energy Laboratories Casper	C13010319-002	1/11/2013	A4500-F C
Jane Dough	URZJC-16 (A)	1/10/2013	pH	s.u.	7.69	Energy Laboratories Casper	C13010319-002	1/11/2013	A4500-H B
Jane Dough	URZJC-16 (A)	1/10/2013	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories Casper	C13010319-002	1/11/2013	A4500-NH3 G
Jane Dough	URZJC-16 (A)	1/10/2013	Aluminum	mg/L	ND	Energy Laboratories Casper	C13010319-002	1/11/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Barium	mg/L	ND	Energy Laboratories Casper	C13010319-002	1/11/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Boron	mg/L	ND	Energy Laboratories Casper	C13010319-002	1/11/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Calcium	mg/L	210	Energy Laboratories Casper	C13010319-002	1/11/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Calcium, SAR	meq/L	10.5	Energy Laboratories Casper	C13010319-002	1/11/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Chromium	mg/L	ND	Energy Laboratories Casper	C13010319-002	1/11/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Copper	mg/L	ND	Energy Laboratories Casper	C13010319-002	1/11/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Iron	mg/L	ND	Energy Laboratories Casper	C13010319-002	1/11/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Iron	mg/L	ND	Energy Laboratories Casper	C13010319-002	1/15/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Magnesium	mg/L	38	Energy Laboratories Casper	C13010319-002	1/11/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Magnesium, SAR	meq/L	3.15	Energy Laboratories Casper	C13010319-002	1/11/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Manganese	mg/L	0.10	Energy Laboratories Casper	C13010319-002	1/11/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Manganese	mg/L	0.11	Energy Laboratories Casper	C13010319-002	1/15/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Molybdenum	mg/L	ND	Energy Laboratories Casper	C13010319-002	1/11/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Nickel	mg/L	ND	Energy Laboratories Casper	C13010319-002	1/11/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Potassium	mg/L	10	Energy Laboratories Casper	C13010319-002	1/11/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Silica	mg/L	9.7	Energy Laboratories Casper	C13010319-002	1/11/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Sodium	mg/L	259	Energy Laboratories Casper	C13010319-002	1/11/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Sodium, SAR	meq/L	11.3	Energy Laboratories Casper	C13010319-002	1/11/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Vanadium	mg/L	ND	Energy Laboratories Casper	C13010319-002	1/11/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Zinc	mg/L	0.01	Energy Laboratories Casper	C13010319-002	1/11/2013	E200.7
Jane Dough	URZJC-16 (A)	1/10/2013	Arsenic	mg/L	ND	Energy Laboratories Casper	C13010319-002	1/16/2013	E200.8
Jane Dough	URZJC-16 (A)	1/10/2013	Cadmium	mg/L	ND	Energy Laboratories Casper	C13010319-002	1/16/2013	E200.8
Jane Dough	URZJC-16 (A)	1/10/2013	Lead	mg/L	ND	Energy Laboratories Casper	C13010319-002	1/16/2013	E200.8
Jane Dough	URZJC-16 (A)	1/10/2013	Mercury	mg/L	ND	Energy Laboratories Casper	C13010319-002	1/16/2013	E200.8
Jane Dough	URZJC-16 (A)	1/10/2013	Selenium	mg/L	0.032	Energy Laboratories Casper	C13010319-002	1/16/2013	E200.8
Jane Dough	URZJC-16 (A)	1/10/2013	Uranium	mg/L	0.189	Energy Laboratories Casper	C13010319-002	1/16/2013	E200.8
Jane Dough	URZJC-16 (A)	1/10/2013	Chloride	mg/L	7	Energy Laboratories Casper	C13010319-002	1/11/2013	E300.0
Jane Dough	URZJC-16 (A)	1/10/2013	Sulfate	mg/L	1030	Energy Laboratories Casper	C13010319-002	1/11/2013	E300.0
Jane Dough	URZJC-16 (A)	1/10/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	1.7	Energy Laboratories Casper	C13010319-002	1/16/2013	E353.2
Jane Dough	URZJC-16 (A)	1/10/2013	Gross Alpha	pCi/L	283	Energy Laboratories Casper	C13010319-002	1/23/2013	E900.0
Jane Dough	URZJC-16 (A)	1/10/2013	Gross Alpha MDC	pCi/L	5.2	Energy Laboratories Casper	C13010319-002	1/23/2013	E900.0
Jane Dough	URZJC-16 (A)	1/10/2013	Gross Alpha precision (±)	pCi/L	10.1	Energy Laboratories Casper	C13010319-002	1/23/2013	E900.0
Jane Dough	URZJC-16 (A)	1/10/2013	Gross Beta	pCi/L	26.2	Energy Laboratories Casper	C13010319-002	1/23/2013	E900.0
Jane Dough	URZJC-16 (A)	1/10/2013	Gross Beta MDC	pCi/L	6.6	Energy Laboratories Casper	C13010319-002	1/23/2013	E900.0
Jane Dough	URZJC-16 (A)	1/10/2013	Gross Beta precision (±)	pCi/L	4.7	Energy Laboratories Casper	C13010319-002	1/23/2013	E900.0
Jane Dough	URZJC-16 (A)	1/10/2013	Radium 226	pCi/L	0.80	Energy Laboratories Casper	C13010319-002	1/29/2013	E903.0
Jane Dough	URZJC-16 (A)	1/10/2013	Radium 226 MDC	pCi/L	0.14	Energy Laboratories Casper	C13010319-002	1/29/2013	E903.0
Jane Dough	URZJC-16 (A)	1/10/2013	Radium 226 precision (±)	pCi/L	0.18	Energy Laboratories Casper	C13010319-002	1/29/2013	E903.0
Jane Dough	URZJC-16 (A)	1/10/2013	Radium 228	pCi/L	2.1	Energy Laboratories Casper	C13010319-002	1/24/2013	RA-05
Jane Dough	URZJC-16 (A)	1/10/2013	Radium 228 MDC	pCi/L	0.9	Energy Laboratories Casper	C13010319-002	1/24/2013	RA-05
Jane Dough	URZJC-16 (A)	1/10/2013	Radium 228 precision (±)	pCi/L	0.6	Energy Laboratories Casper	C13010319-002	1/24/2013	RA-05
Jane Dough	URZJC-16 (A)	1/10/2013	Sodium Adsorption Ratio (SAR)	unitless	4.3	Energy Laboratories Casper	C13010319-002	2/4/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJC-16	6/17/2013	A/C Balance (± 5)	%	1.97	Energy Laboratories	C13060608-002	7/1/2013	A1030 E
Jane Dough	URZJC-16	6/17/2013	Anions	meq/L	25.1	Energy Laboratories	C13060608-002	7/1/2013	A1030 E
Jane Dough	URZJC-16	6/17/2013	Cations	meq/L	26.1	Energy Laboratories	C13060608-002	7/1/2013	A1030 E
Jane Dough	URZJC-16	6/17/2013	Solids, Total Dissolved Calculated	mg/L	1700	Energy Laboratories	C13060608-002	7/1/2013	A1030 E
Jane Dough	URZJC-16	6/17/2013	TDS Balance (0.80 - 1.20)		1.05	Energy Laboratories	C13060608-002	7/1/2013	A1030 E
Jane Dough	URZJC-16	6/17/2013	Alkalinity, Total as CaCO3	mg/L	164	Energy Laboratories	C13060608-002	6/18/2013	A2320 B
Jane Dough	URZJC-16	6/17/2013	Bicarbonate as HCO3	mg/L	200	Energy Laboratories	C13060608-002	6/18/2013	A2320 B
Jane Dough	URZJC-16	6/17/2013	Carbonate as CO3	mg/L	ND	Energy Laboratories	C13060608-002	6/18/2013	A2320 B
Jane Dough	URZJC-16	6/17/2013	Conductivity @ 25 C	umhos/cm	2110	Energy Laboratories	C13060608-002	6/18/2013	A2510 B
Jane Dough	URZJC-16	6/17/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	1790	Energy Laboratories	C13060608-002	6/18/2013	A2540 C
Jane Dough	URZJC-16	6/17/2013	Fluoride	mg/L	0.1	Energy Laboratories	C13060608-002	6/19/2013	A4500-F C
Jane Dough	URZJC-16	6/17/2013	pH	s.u.	7.6	Energy Laboratories	C13060608-002	6/18/2013	A4500-H B
Jane Dough	URZJC-16	6/17/2013	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C13060608-002	6/24/2013	A4500-NH3 G
Jane Dough	URZJC-16	6/17/2013	Aluminum	mg/L	ND	Energy Laboratories	C13060608-002	6/27/2013	E200.7
Jane Dough	URZJC-16	6/17/2013	Barium	mg/L	ND	Energy Laboratories	C13060608-002	6/27/2013	E200.7
Jane Dough	URZJC-16	6/17/2013	Boron	mg/L	ND	Energy Laboratories	C13060608-002	6/27/2013	E200.7
Jane Dough	URZJC-16	6/17/2013	Cadmium	mg/L	ND	Energy Laboratories	C13060608-002	6/27/2013	E200.7
Jane Dough	URZJC-16	6/17/2013	Calcium	mg/L	220	Energy Laboratories	C13060608-002	6/27/2013	E200.7
Jane Dough	URZJC-16	6/17/2013	Chromium	mg/L	ND	Energy Laboratories	C13060608-002	6/27/2013	E200.7
Jane Dough	URZJC-16	6/17/2013	Copper	mg/L	ND	Energy Laboratories	C13060608-002	6/27/2013	E200.7
Jane Dough	URZJC-16	6/17/2013	Iron	mg/L	ND	Energy Laboratories	C13060608-002	6/27/2013	E200.7
Jane Dough	URZJC-16	6/17/2013	Iron	mg/L	ND	Energy Laboratories	C13060608-002	6/21/2013	E200.7
Jane Dough	URZJC-16	6/17/2013	Magnesium	mg/L	39	Energy Laboratories	C13060608-002	6/27/2013	E200.7
Jane Dough	URZJC-16	6/17/2013	Manganese	mg/L	0.11	Energy Laboratories	C13060608-002	6/27/2013	E200.7
Jane Dough	URZJC-16	6/17/2013	Manganese	mg/L	0.11	Energy Laboratories	C13060608-002	6/21/2013	E200.7
Jane Dough	URZJC-16	6/17/2013	Molybdenum	mg/L	ND	Energy Laboratories	C13060608-002	6/27/2013	E200.7
Jane Dough	URZJC-16	6/17/2013	Nickel	mg/L	ND	Energy Laboratories	C13060608-002	6/27/2013	E200.7
Jane Dough	URZJC-16	6/17/2013	Potassium	mg/L	11	Energy Laboratories	C13060608-002	6/27/2013	E200.7
Jane Dough	URZJC-16	6/17/2013	Silica	mg/L	9.4	Energy Laboratories	C13060608-002	6/27/2013	E200.7
Jane Dough	URZJC-16	6/17/2013	Sodium	mg/L	269	Energy Laboratories	C13060608-002	6/27/2013	E200.7
Jane Dough	URZJC-16	6/17/2013	Vanadium	mg/L	ND	Energy Laboratories	C13060608-002	6/27/2013	E200.7
Jane Dough	URZJC-16	6/17/2013	Zinc	mg/L	0.01	Energy Laboratories	C13060608-002	6/27/2013	E200.7
Jane Dough	URZJC-16	6/17/2013	Arsenic	mg/L	0.001	Energy Laboratories	C13060608-002	7/8/2013	E200.8
Jane Dough	URZJC-16	6/17/2013	Lead	mg/L	ND	Energy Laboratories	C13060608-002	7/8/2013	E200.8
Jane Dough	URZJC-16	6/17/2013	Mercury	mg/L	ND	Energy Laboratories	C13060608-002	7/8/2013	E200.8
Jane Dough	URZJC-16	6/17/2013	Selenium	mg/L	0.040	Energy Laboratories	C13060608-002	7/8/2013	E200.8
Jane Dough	URZJC-16	6/17/2013	Uranium	mg/L	0.199	Energy Laboratories	C13060608-002	7/8/2013	E200.8
Jane Dough	URZJC-16	6/17/2013	Chloride	mg/L	7	Energy Laboratories	C13060608-002	6/18/2013	E300.0
Jane Dough	URZJC-16	6/17/2013	Sulfate	mg/L	1030	Energy Laboratories	C13060608-002	6/18/2013	E300.0
Jane Dough	URZJC-16	6/17/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	2.4	Energy Laboratories	C13060608-002	6/19/2013	E353.2
Jane Dough	URZJC-16	6/17/2013	Gross Alpha	pCi/L	217	Energy Laboratories	C13060608-002	6/28/2013	E900.0
Jane Dough	URZJC-16	6/17/2013	Gross Alpha MDC	pCi/L	6.0	Energy Laboratories	C13060608-002	6/28/2013	E900.0
Jane Dough	URZJC-16	6/17/2013	Gross Alpha precision (±)	pCi/L	9.8	Energy Laboratories	C13060608-002	6/28/2013	E900.0
Jane Dough	URZJC-16	6/17/2013	Gross Beta	pCi/L	17.1	Energy Laboratories	C13060608-002	6/28/2013	E900.0
Jane Dough	URZJC-16	6/17/2013	Gross Beta MDC	pCi/L	7.8	Energy Laboratories	C13060608-002	6/28/2013	E900.0
Jane Dough	URZJC-16	6/17/2013	Gross Beta precision (±)	pCi/L	5.3	Energy Laboratories	C13060608-002	6/28/2013	E900.0
Jane Dough	URZJC-16	6/17/2013	Radium 226	pCi/L	0.76	Energy Laboratories	C13060608-002	7/8/2013	E903.0
Jane Dough	URZJC-16	6/17/2013	Radium 226 MDC	pCi/L	0.20	Energy Laboratories	C13060608-002	7/8/2013	E903.0
Jane Dough	URZJC-16	6/17/2013	Radium 226 precision (±)	pCi/L	0.22	Energy Laboratories	C13060608-002	7/8/2013	E903.0
Jane Dough	URZJC-16	6/17/2013	Radium 228	pCi/L	2.6	Energy Laboratories	C13060608-002	7/1/2013	RA-05
Jane Dough	URZJC-16	6/17/2013	Radium 228 MDC	pCi/L	1.3	Energy Laboratories	C13060608-002	7/1/2013	RA-05
Jane Dough	URZJC-16	6/17/2013	Radium 228 precision (±)	pCi/L	0.89	Energy Laboratories	C13060608-002	7/1/2013	RA-05
Jane Dough	URZJC-16	6/17/2013	Sodium Adsorption Ratio (SAR)	unitless	4.4	Energy Laboratories	C13060608-002	6/27/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJC-22	9/29/2011	A/C Balance (± 5)	%	1.41	Energy Laboratories	C11091139-001A	10/21/2011	Calculation
Jane Dough	URZJC-22	9/29/2011	Anions	meq/L	24.5	Energy Laboratories	C11091139-001A	10/21/2011	Calculation
Jane Dough	URZJC-22	9/29/2011	Bicarbonate as HCO3	mg/L	188	Energy Laboratories	C11091139-001A	9/30/2011	A2320 B
Jane Dough	URZJC-22	9/29/2011	Carbonate as CO3	mg/L	<5	Energy Laboratories	C11091139-001A	9/30/2011	A2320 B
Jane Dough	URZJC-22	9/29/2011	Cations	meq/L	25.2	Energy Laboratories	C11091139-001A	10/21/2011	Calculation
Jane Dough	URZJC-22	9/29/2011	Chloride	mg/L	8	Energy Laboratories	C11091139-001A	10/8/2011	E300.0
Jane Dough	URZJC-22	9/29/2011	Conductivity @ 25 C	umhos/cm	2000	Energy Laboratories	C11091139-001A	9/30/2011	A2510 B
Jane Dough	URZJC-22	9/29/2011	Fluoride	mg/L	0.2	Energy Laboratories	C11091139-001A	10/14/2011	E300.0
Jane Dough	URZJC-22	9/29/2011	pH	s.u.	7.71	Energy Laboratories	C11091139-001A	9/30/2011	A4500-H B
Jane Dough	URZJC-22	9/29/2011	Solids, Total Dissolved Calculated	mg/L	1620	Energy Laboratories	C11091139-001A	10/21/2011	Calculation
Jane Dough	URZJC-22	9/29/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	1640	Energy Laboratories	C11091139-001A	9/30/2011	A2540 C
Jane Dough	URZJC-22	9/29/2011	Sulfate	mg/L	1020	Energy Laboratories	C11091139-001A	10/11/2011	E300.0
Jane Dough	URZJC-22	9/29/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11091139-001A	10/19/2011	E200.7
Jane Dough	URZJC-22	9/29/2011	Arsenic	mg/L	<0.001	Energy Laboratories	C11091139-001A	10/11/2011	E200.8
Jane Dough	URZJC-22	9/29/2011	Barium	mg/L	<0.1	Energy Laboratories	C11091139-001A	10/11/2011	E200.8
Jane Dough	URZJC-22	9/29/2011	Boron	mg/L	<0.1	Energy Laboratories	C11091139-001A	10/19/2011	E200.7
Jane Dough	URZJC-22	9/29/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11091139-001A	10/11/2011	E200.8
Jane Dough	URZJC-22	9/29/2011	Calcium	mg/L	268	Energy Laboratories	C11091139-001A	10/19/2011	E200.7
Jane Dough	URZJC-22	9/29/2011	Calcium, SAR	meq/L	13.4	Energy Laboratories	C11091139-001A	10/19/2011	E200.7
Jane Dough	URZJC-22	9/29/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11091139-001A	10/11/2011	E200.8
Jane Dough	URZJC-22	9/29/2011	Copper	mg/L	<0.01	Energy Laboratories	C11091139-001A	10/11/2011	E200.8
Jane Dough	URZJC-22	9/29/2011	Iron	mg/L	0.38	Energy Laboratories	C11091139-001A	10/19/2011	E200.7
Jane Dough	URZJC-22	9/29/2011	Lead	mg/L	<0.001	Energy Laboratories	C11091139-001A	10/11/2011	E200.8
Jane Dough	URZJC-22	9/29/2011	Magnesium	mg/L	54	Energy Laboratories	C11091139-001A	10/19/2011	E200.7
Jane Dough	URZJC-22	9/29/2011	Magnesium, SAR	meq/L	4.52	Energy Laboratories	C11091139-001A	10/19/2011	E200.7
Jane Dough	URZJC-22	9/29/2011	Manganese	mg/L	0.22	Energy Laboratories	C11091139-001A	11/4/2011	E200.8
Jane Dough	URZJC-22	9/29/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11091139-001A	10/11/2011	E200.8
Jane Dough	URZJC-22	9/29/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11091139-001A	10/11/2011	E200.8
Jane Dough	URZJC-22	9/29/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11091139-001A	10/11/2011	E200.8
Jane Dough	URZJC-22	9/29/2011	Potassium	mg/L	11	Energy Laboratories	C11091139-001A	10/19/2011	E200.7
Jane Dough	URZJC-22	9/29/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11091139-001A	10/11/2011	E200.8
Jane Dough	URZJC-22	9/29/2011	Silica	mg/L	10.7	Energy Laboratories	C11091139-001A	10/19/2011	E200.7
Jane Dough	URZJC-22	9/29/2011	Sodium	mg/L	162	Energy Laboratories	C11091139-001A	10/19/2011	E200.7
Jane Dough	URZJC-22	9/29/2011	Sodium Adsorption Ratio (SAR)	unitless	2.4	Energy Laboratories	C11091139-001A	10/19/2011	Calculation
Jane Dough	URZJC-22	9/29/2011	Sodium, SAR	meq/L	7.04	Energy Laboratories	C11091139-001A	10/19/2011	E200.7
Jane Dough	URZJC-22	9/29/2011	Uranium	mg/L	0.0535	Energy Laboratories	C11091139-001A	10/11/2011	E200.8
Jane Dough	URZJC-22	9/29/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11091139-001A	10/11/2011	E200.8
Jane Dough	URZJC-22	9/29/2011	Zinc	mg/L	0.04	Energy Laboratories	C11091139-001A	11/4/2011	E200.8
Jane Dough	URZJC-22	9/29/2011	Iron	mg/L	0.40	Energy Laboratories	C11091139-001A	10/28/2011	E200.8
Jane Dough	URZJC-22	9/29/2011	Manganese	mg/L	0.19	Energy Laboratories	C11091139-001A	10/28/2011	E200.8
Jane Dough	URZJC-22	9/29/2011	Gross Alpha	pCi/L	898	Energy Laboratories	C11091139-001A	11/4/2011	E900.0
Jane Dough	URZJC-22	9/29/2011	Gross Alpha MDC	pCi/L	12.7	Energy Laboratories	C11091139-001A	11/4/2011	E900.0
Jane Dough	URZJC-22	9/29/2011	Gross Alpha precision (±)	pCi/L	30.2	Energy Laboratories	C11091139-001A	11/4/2011	E900.0
Jane Dough	URZJC-22	9/29/2011	Gross Beta	pCi/L	239	Energy Laboratories	C11091139-001A	11/4/2011	E900.0
Jane Dough	URZJC-22	9/29/2011	Gross Beta MDC	pCi/L	8.7	Energy Laboratories	C11091139-001A	11/4/2011	E900.0
Jane Dough	URZJC-22	9/29/2011	Gross Beta precision (±)	pCi/L	8.7	Energy Laboratories	C11091139-001A	11/4/2011	E900.0
Jane Dough	URZJC-22	9/29/2011	Radium 226	pCi/L	208	Energy Laboratories	C11091139-001A	10/11/2011	E903.0
Jane Dough	URZJC-22	9/29/2011	Radium 226 MDC	pCi/L	0.18	Energy Laboratories	C11091139-001A	10/11/2011	E903.0
Jane Dough	URZJC-22	9/29/2011	Radium 226 precision (±)	pCi/L	3.0	Energy Laboratories	C11091139-001A	10/11/2011	E903.0
Jane Dough	URZJC-22	9/29/2011	Radium 228	pCi/L	1.7	Energy Laboratories	C11091139-001A	10/6/2011	RA-05
Jane Dough	URZJC-22	9/29/2011	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C11091139-001A	10/6/2011	RA-05
Jane Dough	URZJC-22	9/29/2011	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories	C11091139-001A	10/6/2011	RA-05
Jane Dough	URZJC-22	9/29/2011	Nitrogen, Ammonia as N	mg/L	0.08	Energy Laboratories	C11091139-001A	10/14/2011	A4500-NH3 G
Jane Dough	URZJC-22	9/29/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11091139-001A	10/21/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJC-22	3/14/2012	Bicarbonate as HCO3	mg/L	218	Energy Laboratories	C12030580-002	3/16/2012	A2320 B
Jane Dough	URZJC-22	3/14/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories Casper	C12030580-002	3/16/2012	A2320 B
Jane Dough	URZJC-22	3/14/2012	Conductivity @ 25 C	umhos/cm	2040	Energy Laboratories Casper	C12030580-002	3/16/2012	A2510 B
Jane Dough	URZJC-22	3/14/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	1760	Energy Laboratories Casper	C12030580-002	3/16/2012	A2540 C
Jane Dough	URZJC-22	3/14/2012	Fluoride	mg/L	0.2	Energy Laboratories Casper	C12030580-002	3/16/2012	A4500-F C
Jane Dough	URZJC-22	3/14/2012	pH	s.u.	7.51	Energy Laboratories Casper	C12030580-002	3/16/2012	A4500-H B
Jane Dough	URZJC-22	3/14/2012	Nitrogen, Ammonia as N	mg/L	0.06	Energy Laboratories Casper	C12030580-002	3/20/2012	A4500-NH3 G
Jane Dough	URZJC-22	3/14/2012	A/C Balance (± 5)	%	-2.90	Energy Laboratories Casper	C12030580-002	3/28/2012	Calculation
Jane Dough	URZJC-22	3/14/2012	Anions	meq/L	26.3	Energy Laboratories Casper	C12030580-002	3/28/2012	Calculation
Jane Dough	URZJC-22	3/14/2012	Cations	meq/L	24.8	Energy Laboratories Casper	C12030580-002	3/28/2012	Calculation
Jane Dough	URZJC-22	3/14/2012	Sodium Adsorption Ratio (SAR)	unitless	2.4	Energy Laboratories Casper	C12030580-002	3/19/2012	Calculation
Jane Dough	URZJC-22	3/14/2012	Solids, Total Dissolved Calculated	mg/L	1700	Energy Laboratories Casper	C12030580-002	3/28/2012	Calculation
Jane Dough	URZJC-22	3/14/2012	Boron	mg/L	ND	Energy Laboratories Casper	C12030580-002	3/19/2012	E200.7
Jane Dough	URZJC-22	3/14/2012	Calcium	mg/L	266	Energy Laboratories Casper	C12030580-002	3/19/2012	E200.7
Jane Dough	URZJC-22	3/14/2012	Calcium, SAR	meq/L	13.3	Energy Laboratories Casper	C12030580-002	3/19/2012	E200.7
Jane Dough	URZJC-22	3/14/2012	Iron	mg/L	0.60	Energy Laboratories Casper	C12030580-002	3/19/2012	E200.7
Jane Dough	URZJC-22	3/14/2012	Iron	mg/L	0.66	Energy Laboratories Casper	C12030580-002	3/19/2012	E200.7
Jane Dough	URZJC-22	3/14/2012	Magnesium	mg/L	52	Energy Laboratories Casper	C12030580-002	3/19/2012	E200.7
Jane Dough	URZJC-22	3/14/2012	Magnesium, SAR	meq/L	4.33	Energy Laboratories Casper	C12030580-002	3/19/2012	E200.7
Jane Dough	URZJC-22	3/14/2012	Manganese	mg/L	0.23	Energy Laboratories Casper	C12030580-002	3/19/2012	E200.7
Jane Dough	URZJC-22	3/14/2012	Potassium	mg/L	11	Energy Laboratories Casper	C12030580-002	3/19/2012	E200.7
Jane Dough	URZJC-22	3/14/2012	Silica	mg/L	12.3	Energy Laboratories Casper	C12030580-002	3/19/2012	E200.7
Jane Dough	URZJC-22	3/14/2012	Sodium	mg/L	161	Energy Laboratories Casper	C12030580-002	3/19/2012	E200.7
Jane Dough	URZJC-22	3/14/2012	Sodium, SAR	meq/L	6.99	Energy Laboratories Casper	C12030580-002	3/19/2012	E200.7
Jane Dough	URZJC-22	3/14/2012	Aluminum	mg/L	ND	Energy Laboratories Casper	C12030580-002	3/17/2012	E200.8
Jane Dough	URZJC-22	3/14/2012	Arsenic	mg/L	ND	Energy Laboratories Casper	C12030580-002	3/17/2012	E200.8
Jane Dough	URZJC-22	3/14/2012	Barium	mg/L	ND	Energy Laboratories Casper	C12030580-002	3/17/2012	E200.8
Jane Dough	URZJC-22	3/14/2012	Cadmium	mg/L	ND	Energy Laboratories Casper	C12030580-002	3/17/2012	E200.8
Jane Dough	URZJC-22	3/14/2012	Chromium	mg/L	ND	Energy Laboratories Casper	C12030580-002	3/17/2012	E200.8
Jane Dough	URZJC-22	3/14/2012	Copper	mg/L	ND	Energy Laboratories Casper	C12030580-002	3/17/2012	E200.8
Jane Dough	URZJC-22	3/14/2012	Lead	mg/L	ND	Energy Laboratories Casper	C12030580-002	3/17/2012	E200.8
Jane Dough	URZJC-22	3/14/2012	Manganese	mg/L	0.20	Energy Laboratories Casper	C12030580-002	3/17/2012	E200.8
Jane Dough	URZJC-22	3/14/2012	Mercury	mg/L	ND	Energy Laboratories Casper	C12030580-002	3/17/2012	E200.8
Jane Dough	URZJC-22	3/14/2012	Molybdenum	mg/L	ND	Energy Laboratories Casper	C12030580-002	3/17/2012	E200.8
Jane Dough	URZJC-22	3/14/2012	Nickel	mg/L	ND	Energy Laboratories Casper	C12030580-002	3/17/2012	E200.8
Jane Dough	URZJC-22	3/14/2012	Selenium	mg/L	ND	Energy Laboratories Casper	C12030580-002	3/17/2012	E200.8
Jane Dough	URZJC-22	3/14/2012	Uranium	mg/L	0.0187	Energy Laboratories Casper	C12030580-002	3/17/2012	E200.8
Jane Dough	URZJC-22	3/14/2012	Vanadium	mg/L	ND	Energy Laboratories Casper	C12030580-002	3/17/2012	E200.8
Jane Dough	URZJC-22	3/14/2012	Zinc	mg/L	0.02	Energy Laboratories Casper	C12030580-002	3/17/2012	E200.8
Jane Dough	URZJC-22	3/14/2012	Chloride	mg/L	8	Energy Laboratories Casper	C12030580-002	3/17/2012	E300.0
Jane Dough	URZJC-22	3/14/2012	Sulfate	mg/L	1080	Energy Laboratories Casper	C12030580-002	3/21/2012	E300.0
Jane Dough	URZJC-22	3/14/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories Casper	C12030580-002	3/19/2012	E353.2
Jane Dough	URZJC-22	3/14/2012	Gross Alpha	pCi/L	493	Energy Laboratories Casper	C12030580-002	3/23/2012	E900.0
Jane Dough	URZJC-22	3/14/2012	Gross Alpha MDC	pCi/L	9.1	Energy Laboratories Casper	C12030580-002	3/23/2012	E900.0
Jane Dough	URZJC-22	3/14/2012	Gross Alpha precision (±)	pCi/L	19.6	Energy Laboratories Casper	C12030580-002	3/23/2012	E900.0
Jane Dough	URZJC-22	3/14/2012	Gross Beta	pCi/L	170	Energy Laboratories Casper	C12030580-002	3/23/2012	E900.0
Jane Dough	URZJC-22	3/14/2012	Gross Beta MDC	pCi/L	10.0	Energy Laboratories Casper	C12030580-002	3/23/2012	E900.0
Jane Dough	URZJC-22	3/14/2012	Gross Beta precision (±)	pCi/L	8.5	Energy Laboratories Casper	C12030580-002	3/23/2012	E900.0
Jane Dough	URZJC-22	3/14/2012	Radium 226	pCi/L	178	Energy Laboratories Casper	C12030580-002	3/27/2012	E903.0
Jane Dough	URZJC-22	3/14/2012	Radium 226 MDC	pCi/L	0.12	Energy Laboratories Casper	C12030580-002	3/27/2012	E903.0
Jane Dough	URZJC-22	3/14/2012	Radium 226 precision (±)	pCi/L	2.3	Energy Laboratories Casper	C12030580-002	3/27/2012	E903.0
Jane Dough	URZJC-22	3/14/2012	Radium 228	pCi/L	2.7	Energy Laboratories Casper	C12030580-002	3/22/2012	RA-05
Jane Dough	URZJC-22	3/14/2012	Radium 228 MDC	pCi/L	1.1	Energy Laboratories Casper	C12030580-002	3/22/2012	RA-05
Jane Dough	URZJC-22	3/14/2012	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories Casper	C12030580-002	3/22/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJC-22	4/19/2012	Bicarbonate as HCO3	mg/L	220	Energy Laboratories	C12041079-001	4/23/2012	A2320 B
Jane Dough	URZJC-22	4/19/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12041079-001	4/23/2012	A2320 B
Jane Dough	URZJC-22	4/19/2012	Conductivity @ 25 C	umhos/cm	2120	Energy Laboratories	C12041079-001	4/24/2012	A2510 B
Jane Dough	URZJC-22	4/19/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	1800	Energy Laboratories	C12041079-001	4/23/2012	A2540 C
Jane Dough	URZJC-22	4/19/2012	Fluoride	mg/L	0.1	Energy Laboratories	C12041079-001	4/24/2012	A4500-F C
Jane Dough	URZJC-22	4/19/2012	pH	s.u.	7.57	Energy Laboratories	C12041079-001	4/24/2012	A4500-H B
Jane Dough	URZJC-22	4/19/2012	Nitrogen, Ammonia as N	mg/L	0.07	Energy Laboratories	C12041079-001	4/25/2012	A4500-NH3 G
Jane Dough	URZJC-22	4/19/2012	Nitrogen, Ammonium	mg/L	0.09	Energy Laboratories	C12041079-001	4/25/2012	A4500-NH3 G
Jane Dough	URZJC-22	4/19/2012	A/C Balance (± 5)	%	-1.19	Energy Laboratories	C12041079-001	5/14/2012	Calculation
Jane Dough	URZJC-22	4/19/2012	Anions	meq/L	26.2	Energy Laboratories	C12041079-001	5/14/2012	Calculation
Jane Dough	URZJC-22	4/19/2012	Cations	meq/L	25.6	Energy Laboratories	C12041079-001	5/14/2012	Calculation
Jane Dough	URZJC-22	4/19/2012	Sodium Adsorption Ratio (SAR)	unitless	2.1	Energy Laboratories	C12041079-001	4/25/2012	Calculation
Jane Dough	URZJC-22	4/19/2012	Solids, Total Dissolved Calculated	mg/L	1710	Energy Laboratories	C12041079-001	5/14/2012	Calculation
Jane Dough	URZJC-22	4/19/2012	Calcium	mg/L	279	Energy Laboratories	C12041079-001	4/25/2012	E200.7
Jane Dough	URZJC-22	4/19/2012	Magnesium	mg/L	59	Energy Laboratories	C12041079-001	4/25/2012	E200.7
Jane Dough	URZJC-22	4/19/2012	Potassium	mg/L	10	Energy Laboratories	C12041079-001	4/25/2012	E200.7
Jane Dough	URZJC-22	4/19/2012	Silica	mg/L	12.3	Energy Laboratories	C12041079-001	4/25/2012	E200.7
Jane Dough	URZJC-22	4/19/2012	Sodium	mg/L	151	Energy Laboratories	C12041079-001	4/25/2012	E200.7
Jane Dough	URZJC-22	4/19/2012	Calcium, SAR	meq/L	13.9	Energy Laboratories	C12041079-001	4/25/2012	E200.7_8
Jane Dough	URZJC-22	4/19/2012	Magnesium, SAR	meq/L	4.94	Energy Laboratories	C12041079-001	4/25/2012	E200.7_8
Jane Dough	URZJC-22	4/19/2012	Sodium, SAR	meq/L	6.58	Energy Laboratories	C12041079-001	4/25/2012	E200.7_8
Jane Dough	URZJC-22	4/19/2012	Aluminum	mg/L	ND	Energy Laboratories	C12041079-001	5/2/2012	E200.8
Jane Dough	URZJC-22	4/19/2012	Arsenic	mg/L	ND	Energy Laboratories	C12041079-001	5/2/2012	E200.8
Jane Dough	URZJC-22	4/19/2012	Barium	mg/L	ND	Energy Laboratories	C12041079-001	5/2/2012	E200.8
Jane Dough	URZJC-22	4/19/2012	Boron	mg/L	ND	Energy Laboratories	C12041079-001	5/2/2012	E200.8
Jane Dough	URZJC-22	4/19/2012	Cadmium	mg/L	ND	Energy Laboratories	C12041079-001	5/2/2012	E200.8
Jane Dough	URZJC-22	4/19/2012	Chromium	mg/L	ND	Energy Laboratories	C12041079-001	5/2/2012	E200.8
Jane Dough	URZJC-22	4/19/2012	Copper	mg/L	ND	Energy Laboratories	C12041079-001	5/2/2012	E200.8
Jane Dough	URZJC-22	4/19/2012	Iron	mg/L	0.64	Energy Laboratories	C12041079-001	5/2/2012	E200.8
Jane Dough	URZJC-22	4/19/2012	Iron	mg/L	0.62	Energy Laboratories	C12041079-001	4/24/2012	E200.8
Jane Dough	URZJC-22	4/19/2012	Lead	mg/L	ND	Energy Laboratories	C12041079-001	5/2/2012	E200.8
Jane Dough	URZJC-22	4/19/2012	Manganese	mg/L	0.21	Energy Laboratories	C12041079-001	5/2/2012	E200.8
Jane Dough	URZJC-22	4/19/2012	Manganese	mg/L	0.23	Energy Laboratories	C12041079-001	4/24/2012	E200.8
Jane Dough	URZJC-22	4/19/2012	Mercury	mg/L	ND	Energy Laboratories	C12041079-001	5/5/2012	E200.8
Jane Dough	URZJC-22	4/19/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12041079-001	5/2/2012	E200.8
Jane Dough	URZJC-22	4/19/2012	Nickel	mg/L	ND	Energy Laboratories	C12041079-001	5/2/2012	E200.8
Jane Dough	URZJC-22	4/19/2012	Selenium	mg/L	ND	Energy Laboratories	C12041079-001	5/2/2012	E200.8
Jane Dough	URZJC-22	4/19/2012	Uranium	mg/L	0.0157	Energy Laboratories	C12041079-001	5/2/2012	E200.8
Jane Dough	URZJC-22	4/19/2012	Vanadium	mg/L	ND	Energy Laboratories	C12041079-001	5/2/2012	E200.8
Jane Dough	URZJC-22	4/19/2012	Zinc	mg/L	0.03	Energy Laboratories	C12041079-001	5/2/2012	E200.8
Jane Dough	URZJC-22	4/19/2012	Chloride	mg/L	8	Energy Laboratories	C12041079-001	4/25/2012	E300.0
Jane Dough	URZJC-22	4/19/2012	Sulfate	mg/L	1080	Energy Laboratories	C12041079-001	4/26/2012	E300.0
Jane Dough	URZJC-22	4/19/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12041079-001	4/23/2012	E353.2
Jane Dough	URZJC-22	4/19/2012	Gross Alpha	pCi/L	1000	Energy Laboratories	C12041079-001	6/12/2012	E900.0
Jane Dough	URZJC-22	4/19/2012	Gross Alpha MDC	pCi/L	6.5	Energy Laboratories	C12041079-001	6/12/2012	E900.0
Jane Dough	URZJC-22	4/19/2012	Gross Alpha precision (±)	pCi/L	20.8	Energy Laboratories	C12041079-001	6/12/2012	E900.0
Jane Dough	URZJC-22	4/19/2012	Gross Beta	pCi/L	373	Energy Laboratories	C12041079-001	6/12/2012	E900.0
Jane Dough	URZJC-22	4/19/2012	Gross Beta MDC	pCi/L	9.7	Energy Laboratories	C12041079-001	6/12/2012	E900.0
Jane Dough	URZJC-22	4/19/2012	Gross Beta precision (±)	pCi/L	11.7	Energy Laboratories	C12041079-001	6/12/2012	E900.0
Jane Dough	URZJC-22	4/19/2012	Radium 226	pCi/L	186	Energy Laboratories	C12041079-001	5/7/2012	E903.0
Jane Dough	URZJC-22	4/19/2012	Radium 226 MDC	pCi/L	0.15	Energy Laboratories	C12041079-001	5/7/2012	E903.0
Jane Dough	URZJC-22	4/19/2012	Radium 226 precision (±)	pCi/L	2.7	Energy Laboratories	C12041079-001	5/7/2012	E903.0
Jane Dough	URZJC-22	4/19/2012	Radium 228	pCi/L	1.7	Energy Laboratories	C12041079-001	5/1/2012	RA-05
Jane Dough	URZJC-22	4/19/2012	Radium 228 MDC	pCi/L	1.5	Energy Laboratories	C12041079-001	5/1/2012	RA-05
Jane Dough	URZJC-22	4/19/2012	Radium 228 precision (±)	pCi/L	1	Energy Laboratories	C12041079-001	5/1/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJC-22	12/17/2012	A/C Balance (± 5)	%	-4.99	Energy Laboratories	C12120581-001	1/3/2013	A1030 E
Jane Dough	URZJC-22	12/17/2012	Anions	meq/L	26.1	Energy Laboratories	C12120581-001	1/3/2013	A1030 E
Jane Dough	URZJC-22	12/17/2012	Cations	meq/L	23.6	Energy Laboratories	C12120581-001	1/3/2013	A1030 E
Jane Dough	URZJC-22	12/17/2012	Solids, Total Dissolved Calculated	mg/L	1700	Energy Laboratories	C12120581-001	1/3/2013	A1030 E
Jane Dough	URZJC-22	12/17/2012	TDS Balance (0.80 - 1.20)		1.09	Energy Laboratories	C12120581-001	1/3/2013	A1030 E
Jane Dough	URZJC-22	12/17/2012	Alkalinity, Total as CaCO3	mg/L	188	Energy Laboratories	C12120581-001	12/18/2012	A2320 B
Jane Dough	URZJC-22	12/17/2012	Bicarbonate as HCO3	mg/L	229	Energy Laboratories	C12120581-001	12/18/2012	A2320 B
Jane Dough	URZJC-22	12/17/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12120581-001	12/18/2012	A2320 B
Jane Dough	URZJC-22	12/17/2012	Conductivity @ 25 C	umhos/cm	2130	Energy Laboratories	C12120581-001	12/18/2012	A2510 B
Jane Dough	URZJC-22	12/17/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	1810	Energy Laboratories	C12120581-001	12/20/2012	A2540 C
Jane Dough	URZJC-22	12/17/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12120581-001	12/21/2012	A4500-F C
Jane Dough	URZJC-22	12/17/2012	pH	s.u.	7.45	Energy Laboratories	C12120581-001	12/18/2012	A4500-H B
Jane Dough	URZJC-22	12/17/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12120581-001	12/21/2012	A4500-NH3 G
Jane Dough	URZJC-22	12/17/2012	Aluminum	mg/L	ND	Energy Laboratories	C12120581-001	12/31/2012	E200.7
Jane Dough	URZJC-22	12/17/2012	Barium	mg/L	ND	Energy Laboratories	C12120581-001	12/31/2012	E200.7
Jane Dough	URZJC-22	12/17/2012	Boron	mg/L	ND	Energy Laboratories	C12120581-001	12/31/2012	E200.7
Jane Dough	URZJC-22	12/17/2012	Cadmium	mg/L	ND	Energy Laboratories	C12120581-001	12/31/2012	E200.7
Jane Dough	URZJC-22	12/17/2012	Calcium	mg/L	249	Energy Laboratories	C12120581-001	12/20/2012	E200.7
Jane Dough	URZJC-22	12/17/2012	Calcium, SAR	meq/L	12.4	Energy Laboratories	C12120581-001	12/20/2012	E200.7
Jane Dough	URZJC-22	12/17/2012	Chromium	mg/L	ND	Energy Laboratories	C12120581-001	12/31/2012	E200.7
Jane Dough	URZJC-22	12/17/2012	Copper	mg/L	ND	Energy Laboratories	C12120581-001	12/31/2012	E200.7
Jane Dough	URZJC-22	12/17/2012	Iron	mg/L	0.84	Energy Laboratories	C12120581-001	12/31/2012	E200.7
Jane Dough	URZJC-22	12/17/2012	Iron	mg/L	0.85	Energy Laboratories	C12120581-001	1/8/2013	E200.7
Jane Dough	URZJC-22	12/17/2012	Magnesium	mg/L	52	Energy Laboratories	C12120581-001	12/20/2012	E200.7
Jane Dough	URZJC-22	12/17/2012	Magnesium, SAR	meq/L	4.31	Energy Laboratories	C12120581-001	12/20/2012	E200.7
Jane Dough	URZJC-22	12/17/2012	Manganese	mg/L	0.19	Energy Laboratories	C12120581-001	12/31/2012	E200.7
Jane Dough	URZJC-22	12/17/2012	Manganese	mg/L	0.22	Energy Laboratories	C12120581-001	1/8/2013	E200.7
Jane Dough	URZJC-22	12/17/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12120581-001	12/31/2012	E200.7
Jane Dough	URZJC-22	12/17/2012	Nickel	mg/L	ND	Energy Laboratories	C12120581-001	12/31/2012	E200.7
Jane Dough	URZJC-22	12/17/2012	Potassium	mg/L	10	Energy Laboratories	C12120581-001	12/31/2012	E200.7
Jane Dough	URZJC-22	12/17/2012	Silica	mg/L	10.9	Energy Laboratories	C12120581-001	12/20/2012	E200.7
Jane Dough	URZJC-22	12/17/2012	Sodium	mg/L	153	Energy Laboratories	C12120581-001	12/31/2012	E200.7
Jane Dough	URZJC-22	12/17/2012	Sodium, SAR	meq/L	6.67	Energy Laboratories	C12120581-001	12/31/2012	E200.7
Jane Dough	URZJC-22	12/17/2012	Vanadium	mg/L	ND	Energy Laboratories	C12120581-001	12/31/2012	E200.7
Jane Dough	URZJC-22	12/17/2012	Zinc	mg/L	0.03	Energy Laboratories	C12120581-001	12/31/2012	E200.7
Jane Dough	URZJC-22	12/17/2012	Arsenic	mg/L	ND	Energy Laboratories	C12120581-001	1/1/2013	E200.8
Jane Dough	URZJC-22	12/17/2012	Lead	mg/L	ND	Energy Laboratories	C12120581-001	1/1/2013	E200.8
Jane Dough	URZJC-22	12/17/2012	Mercury	mg/L	ND	Energy Laboratories	C12120581-001	1/1/2013	E200.8
Jane Dough	URZJC-22	12/17/2012	Selenium	mg/L	ND	Energy Laboratories	C12120581-001	1/1/2013	E200.8
Jane Dough	URZJC-22	12/17/2012	Uranium	mg/L	0.0191	Energy Laboratories	C12120581-001	1/1/2013	E200.8
Jane Dough	URZJC-22	12/17/2012	Chloride	mg/L	8	Energy Laboratories	C12120581-001	12/18/2012	E300.0
Jane Dough	URZJC-22	12/17/2012	Sulfate	mg/L	1060	Energy Laboratories	C12120581-001	12/18/2012	E300.0
Jane Dough	URZJC-22	12/17/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12120581-001	12/19/2012	E353.2
Jane Dough	URZJC-22	12/17/2012	Gross Alpha	pCi/L	552	Energy Laboratories	C12120581-001	1/9/2013	E900.0
Jane Dough	URZJC-22	12/17/2012	Gross Alpha MDC	pCi/L	5.3	Energy Laboratories	C12120581-001	1/9/2013	E900.0
Jane Dough	URZJC-22	12/17/2012	Gross Alpha precision (±)	pCi/L	14.6	Energy Laboratories	C12120581-001	1/9/2013	E900.0
Jane Dough	URZJC-22	12/17/2012	Gross Beta	pCi/L	123	Energy Laboratories	C12120581-001	1/9/2013	E900.0
Jane Dough	URZJC-22	12/17/2012	Gross Beta MDC	pCi/L	7.2	Energy Laboratories	C12120581-001	1/9/2013	E900.0
Jane Dough	URZJC-22	12/17/2012	Gross Beta precision (±)	pCi/L	6.7	Energy Laboratories	C12120581-001	1/9/2013	E900.0
Jane Dough	URZJC-22	12/17/2012	Radium 226	pCi/L	171	Energy Laboratories	C12120581-001	1/2/2013	E903.0
Jane Dough	URZJC-22	12/17/2012	Radium 226 MDC	pCi/L	0.14	Energy Laboratories	C12120581-001	1/2/2013	E903.0
Jane Dough	URZJC-22	12/17/2012	Radium 226 precision (±)	pCi/L	2.3	Energy Laboratories	C12120581-001	1/2/2013	E903.0
Jane Dough	URZJC-22	12/17/2012	Radium 228	pCi/L	1.8	Energy Laboratories	C12120581-001	12/26/2012	RA-05
Jane Dough	URZJC-22	12/17/2012	Radium 228 MDC	pCi/L	1.3	Energy Laboratories	C12120581-001	12/26/2012	RA-05
Jane Dough	URZJC-22	12/17/2012	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories	C12120581-001	12/26/2012	RA-05
Jane Dough	URZJC-22	12/17/2012	Sodium Adsorption Ratio (SAR)	unitless	2.3	Energy Laboratories	C12120581-001	1/2/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJF-5	9/23/2011	A/C Balance (± 5)	%	0.901	Energy Laboratories	C11090919-001A	10/3/2011	Calculation
Jane Dough	URZJF-5	9/23/2011	Anions	meq/L	9.74	Energy Laboratories	C11090919-001A	10/3/2011	Calculation
Jane Dough	URZJF-5	9/23/2011	Bicarbonate as HCO3	mg/L	7	Energy Laboratories	C11090919-001A	9/24/2011	A2320 B
Jane Dough	URZJF-5	9/23/2011	Carbonate as CO3	mg/L	23	Energy Laboratories	C11090919-001A	9/24/2011	A2320 B
Jane Dough	URZJF-5	9/23/2011	Cations	meq/L	9.92	Energy Laboratories	C11090919-001A	10/3/2011	Calculation
Jane Dough	URZJF-5	9/23/2011	Chloride	mg/L	5	Energy Laboratories	C11090919-001A	9/29/2011	E300.0
Jane Dough	URZJF-5	9/23/2011	Conductivity @ 25 C	umhos/cm	1130	Energy Laboratories	C11090919-001A	9/26/2011	A2510 B
Jane Dough	URZJF-5	9/23/2011	Fluoride	mg/L	0.5	Energy Laboratories	C11090919-001A	9/29/2011	E300.0
Jane Dough	URZJF-5	9/23/2011	pH	s.u.	11.0	Energy Laboratories	C11090919-001A	9/26/2011	A4500-H B
Jane Dough	URZJF-5	9/23/2011	Solids, Total Dissolved Calculated	mg/L	708	Energy Laboratories	C11090919-001A	10/3/2011	Calculation
Jane Dough	URZJF-5	9/23/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	697	Energy Laboratories	C11090919-001A	9/26/2011	A2540 C
Jane Dough	URZJF-5	9/23/2011	Sulfate	mg/L	418	Energy Laboratories	C11090919-001A	9/29/2011	E300.0
Jane Dough	URZJF-5	9/23/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11090919-001A	9/30/2011	E200.7
Jane Dough	URZJF-5	9/23/2011	Arsenic	mg/L	<0.001	Energy Laboratories	C11090919-001A	10/7/2011	E200.8
Jane Dough	URZJF-5	9/23/2011	Barium	mg/L	<0.1	Energy Laboratories	C11090919-001A	9/30/2011	E200.7
Jane Dough	URZJF-5	9/23/2011	Boron	mg/L	<0.1	Energy Laboratories	C11090919-001A	9/30/2011	E200.7
Jane Dough	URZJF-5	9/23/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11090919-001A	9/30/2011	E200.7
Jane Dough	URZJF-5	9/23/2011	Calcium	mg/L	19	Energy Laboratories	C11090919-001A	9/30/2011	E200.7
Jane Dough	URZJF-5	9/23/2011	Calcium, SAR	meq/L	0.97	Energy Laboratories	C11090919-001A	9/30/2011	E200.7
Jane Dough	URZJF-5	9/23/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11090919-001A	9/30/2011	E200.7
Jane Dough	URZJF-5	9/23/2011	Copper	mg/L	<0.01	Energy Laboratories	C11090919-001A	10/7/2011	E200.8
Jane Dough	URZJF-5	9/23/2011	Iron	mg/L	<0.03	Energy Laboratories	C11090919-001A	9/30/2011	E200.7
Jane Dough	URZJF-5	9/23/2011	Lead	mg/L	<0.001	Energy Laboratories	C11090919-001A	10/7/2011	E200.8
Jane Dough	URZJF-5	9/23/2011	Magnesium	mg/L	<1	Energy Laboratories	C11090919-001A	9/30/2011	E200.7
Jane Dough	URZJF-5	9/23/2011	Magnesium, SAR	meq/L	<0.0833333	Energy Laboratories	C11090919-001A	9/30/2011	E200.7
Jane Dough	URZJF-5	9/23/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11090919-001A	9/30/2011	E200.7
Jane Dough	URZJF-5	9/23/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11090919-001A	10/7/2011	E200.8
Jane Dough	URZJF-5	9/23/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11090919-001A	9/30/2011	E200.7
Jane Dough	URZJF-5	9/23/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11090919-001A	9/30/2011	E200.7
Jane Dough	URZJF-5	9/23/2011	Potassium	mg/L	32	Energy Laboratories	C11090919-001A	9/30/2011	E200.7
Jane Dough	URZJF-5	9/23/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11090919-001A	10/7/2011	E200.8
Jane Dough	URZJF-5	9/23/2011	Silica	mg/L	15.3	Energy Laboratories	C11090919-001A	9/30/2011	E200.7
Jane Dough	URZJF-5	9/23/2011	Sodium	mg/L	187	Energy Laboratories	C11090919-001A	9/30/2011	E200.7
Jane Dough	URZJF-5	9/23/2011	Sodium Adsorption Ratio (SAR)	unitless	11.6	Energy Laboratories	C11090919-001A	9/30/2011	Calculation
Jane Dough	URZJF-5	9/23/2011	Sodium, SAR	meq/L	8.12	Energy Laboratories	C11090919-001A	9/30/2011	E200.7
Jane Dough	URZJF-5	9/23/2011	Uranium	mg/L	<0.0003	Energy Laboratories	C11090919-001A	10/7/2011	E200.8
Jane Dough	URZJF-5	9/23/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11090919-001A	9/30/2011	E200.7
Jane Dough	URZJF-5	9/23/2011	Zinc	mg/L	0.01	Energy Laboratories	C11090919-001A	9/30/2011	E200.7
Jane Dough	URZJF-5	9/23/2011	Iron	mg/L	0.06	Energy Laboratories	C11090919-001A	10/19/2011	E200.8
Jane Dough	URZJF-5	9/23/2011	Manganese	mg/L	<0.01	Energy Laboratories	C11090919-001A	10/19/2011	E200.8
Jane Dough	URZJF-5	9/23/2011	Gross Alpha	pCi/L	4.2	Energy Laboratories	C11090919-001A	11/15/2011	E900.0
Jane Dough	URZJF-5	9/23/2011	Gross Alpha MDC	pCi/L	5.0	Energy Laboratories	C11090919-001A	11/15/2011	E900.0
Jane Dough	URZJF-5	9/23/2011	Gross Alpha precision (±)	pCi/L	3.2	Energy Laboratories	C11090919-001A	11/15/2011	E900.0
Jane Dough	URZJF-5	9/23/2011	Gross Beta	pCi/L	25.9	Energy Laboratories	C11090919-001A	11/15/2011	E900.0
Jane Dough	URZJF-5	9/23/2011	Gross Beta MDC	pCi/L	3.1	Energy Laboratories	C11090919-001A	11/15/2011	E900.0
Jane Dough	URZJF-5	9/23/2011	Gross Beta precision (±)	pCi/L	2.3	Energy Laboratories	C11090919-001A	11/15/2011	E900.0
Jane Dough	URZJF-5	9/23/2011	Radium 226	pCi/L	0.29	Energy Laboratories	C11090919-001A	11/3/2011	E903.0
Jane Dough	URZJF-5	9/23/2011	Radium 226 MDC	pCi/L	0.14	Energy Laboratories	C11090919-001A	11/3/2011	E903.0
Jane Dough	URZJF-5	9/23/2011	Radium 226 precision (±)	pCi/L	0.13	Energy Laboratories	C11090919-001A	11/3/2011	E903.0
Jane Dough	URZJF-5	9/23/2011	Radium 228	pCi/L	0.5	Energy Laboratories	C11090919-001A	10/26/2011	RA-05
Jane Dough	URZJF-5	9/23/2011	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C11090919-001A	10/26/2011	RA-05
Jane Dough	URZJF-5	9/23/2011	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C11090919-001A	10/26/2011	RA-05
Jane Dough	URZJF-5	9/23/2011	Nitrogen, Ammonia as N	mg/L	0.18	Energy Laboratories	C11090919-001A	10/11/2011	A4500-NH3 G
Jane Dough	URZJF-5	9/23/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11090919-001A	10/4/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJF-5	3/7/2012	Bicarbonate as HCO3	mg/L	ND	Energy Laboratories	C12030313-002	3/8/2012	A2320 B
Jane Dough	URZJF-5	3/7/2012	Carbonate as CO3	mg/L	15	Energy Laboratories	C12030313-002	3/8/2012	A2320 B
Jane Dough	URZJF-5	3/7/2012	Conductivity @ 25 C	umhos/cm	1070	Energy Laboratories	C12030313-002	3/9/2012	A2510 B
Jane Dough	URZJF-5	3/7/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	686	Energy Laboratories	C12030313-002	3/8/2012	A2540 C
Jane Dough	URZJF-5	3/7/2012	Fluoride	mg/L	0.5	Energy Laboratories	C12030313-002	3/8/2012	A4500-F C
Jane Dough	URZJF-5	3/7/2012	pH	s.u.	10.8	Energy Laboratories	C12030313-002	3/9/2012	A4500-H B
Jane Dough	URZJF-5	3/7/2012	Nitrogen, Ammonia as N	mg/L	0.19	Energy Laboratories	C12030313-002	3/13/2012	A4500-NH3 G
Jane Dough	URZJF-5	3/7/2012	A/C Balance (± 5)	%	4.30	Energy Laboratories	C12030313-002	3/21/2012	Calculation
Jane Dough	URZJF-5	3/7/2012	Anions	meq/L	9.37	Energy Laboratories	C12030313-002	3/21/2012	Calculation
Jane Dough	URZJF-5	3/7/2012	Cations	meq/L	10.2	Energy Laboratories	C12030313-002	3/21/2012	Calculation
Jane Dough	URZJF-5	3/7/2012	Sodium Adsorption Ratio (SAR)	unitless	11.8	Energy Laboratories	C12030313-002	4/3/2012	Calculation
Jane Dough	URZJF-5	3/7/2012	Solids, Total Dissolved Calculated	mg/L	694	Energy Laboratories	C12030313-002	3/21/2012	Calculation
Jane Dough	URZJF-5	3/7/2012	Boron	mg/L	ND	Energy Laboratories	C12030313-002	3/13/2012	E200.7
Jane Dough	URZJF-5	3/7/2012	Calcium	mg/L	20	Energy Laboratories	C12030313-002	3/13/2012	E200.7
Jane Dough	URZJF-5	3/7/2012	Calcium, SAR	meq/L	1.01	Energy Laboratories	C12030313-002	3/13/2012	E200.7
Jane Dough	URZJF-5	3/7/2012	Iron	mg/L	ND	Energy Laboratories	C12030313-002	3/13/2012	E200.7
Jane Dough	URZJF-5	3/7/2012	Iron	mg/L	0.05	Energy Laboratories	C12030313-002	3/9/2012	E200.7
Jane Dough	URZJF-5	3/7/2012	Magnesium	mg/L	ND	Energy Laboratories	C12030313-002	3/13/2012	E200.7
Jane Dough	URZJF-5	3/7/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12030313-002	3/13/2012	E200.7
Jane Dough	URZJF-5	3/7/2012	Manganese	mg/L	ND	Energy Laboratories	C12030313-002	3/9/2012	E200.7
Jane Dough	URZJF-5	3/7/2012	Potassium	mg/L	27	Energy Laboratories	C12030313-002	3/13/2012	E200.7
Jane Dough	URZJF-5	3/7/2012	Silica	mg/L	11.3	Energy Laboratories	C12030313-002	3/15/2012	E200.7
Jane Dough	URZJF-5	3/7/2012	Sodium	mg/L	195	Energy Laboratories	C12030313-002	3/13/2012	E200.7
Jane Dough	URZJF-5	3/7/2012	Sodium, SAR	meq/L	8.48	Energy Laboratories	C12030313-002	3/13/2012	E200.7
Jane Dough	URZJF-5	3/7/2012	Aluminum	mg/L	ND	Energy Laboratories	C12030313-002	3/12/2012	E200.8
Jane Dough	URZJF-5	3/7/2012	Arsenic	mg/L	ND	Energy Laboratories	C12030313-002	3/9/2012	E200.8
Jane Dough	URZJF-5	3/7/2012	Barium	mg/L	ND	Energy Laboratories	C12030313-002	3/9/2012	E200.8
Jane Dough	URZJF-5	3/7/2012	Cadmium	mg/L	ND	Energy Laboratories	C12030313-002	3/9/2012	E200.8
Jane Dough	URZJF-5	3/7/2012	Chromium	mg/L	ND	Energy Laboratories	C12030313-002	3/9/2012	E200.8
Jane Dough	URZJF-5	3/7/2012	Copper	mg/L	ND	Energy Laboratories	C12030313-002	3/9/2012	E200.8
Jane Dough	URZJF-5	3/7/2012	Lead	mg/L	ND	Energy Laboratories	C12030313-002	3/9/2012	E200.8
Jane Dough	URZJF-5	3/7/2012	Manganese	mg/L	ND	Energy Laboratories	C12030313-002	3/9/2012	E200.8
Jane Dough	URZJF-5	3/7/2012	Mercury	mg/L	ND	Energy Laboratories	C12030313-002	3/12/2012	E200.8
Jane Dough	URZJF-5	3/7/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12030313-002	3/9/2012	E200.8
Jane Dough	URZJF-5	3/7/2012	Nickel	mg/L	ND	Energy Laboratories	C12030313-002	3/9/2012	E200.8
Jane Dough	URZJF-5	3/7/2012	Selenium	mg/L	ND	Energy Laboratories	C12030313-002	3/9/2012	E200.8
Jane Dough	URZJF-5	3/7/2012	Uranium	mg/L	0.0003	Energy Laboratories	C12030313-002	3/12/2012	E200.8
Jane Dough	URZJF-5	3/7/2012	Vanadium	mg/L	ND	Energy Laboratories	C12030313-002	3/9/2012	E200.8
Jane Dough	URZJF-5	3/7/2012	Zinc	mg/L	ND	Energy Laboratories	C12030313-002	3/9/2012	E200.8
Jane Dough	URZJF-5	3/7/2012	Chloride	mg/L	5	Energy Laboratories	C12030313-002	3/13/2012	E300.0
Jane Dough	URZJF-5	3/7/2012	Sulfate	mg/L	415	Energy Laboratories	C12030313-002	3/13/2012	E300.0
Jane Dough	URZJF-5	3/7/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12030313-002	3/9/2012	E353.2
Jane Dough	URZJF-5	3/7/2012	Gross Alpha	pCi/L	-2	Energy Laboratories	C12030313-002	3/21/2012	E900.0
Jane Dough	URZJF-5	3/7/2012	Gross Alpha MDC	pCi/L	3.8	Energy Laboratories	C12030313-002	3/21/2012	E900.0
Jane Dough	URZJF-5	3/7/2012	Gross Alpha precision (±)	pCi/L	2.0	Energy Laboratories	C12030313-002	3/21/2012	E900.0
Jane Dough	URZJF-5	3/7/2012	Gross Beta	pCi/L	19.7	Energy Laboratories	C12030313-002	3/21/2012	E900.0
Jane Dough	URZJF-5	3/7/2012	Gross Beta MDC	pCi/L	2.8	Energy Laboratories	C12030313-002	3/21/2012	E900.0
Jane Dough	URZJF-5	3/7/2012	Gross Beta precision (±)	pCi/L	2.0	Energy Laboratories	C12030313-002	3/21/2012	E900.0
Jane Dough	URZJF-5	3/7/2012	Radium 226	pCi/L	0.27	Energy Laboratories	C12030313-002	3/27/2012	E903.0
Jane Dough	URZJF-5	3/7/2012	Radium 226 MDC	pCi/L	0.14	Energy Laboratories	C12030313-002	3/27/2012	E903.0
Jane Dough	URZJF-5	3/7/2012	Radium 226 precision (±)	pCi/L	0.13	Energy Laboratories	C12030313-002	3/27/2012	E903.0
Jane Dough	URZJF-5	3/7/2012	Radium 228	pCi/L	0.9	Energy Laboratories	C12030313-002	3/19/2012	RA-05
Jane Dough	URZJF-5	3/7/2012	Radium 228 MDC	pCi/L	1.2	Energy Laboratories	C12030313-002	3/19/2012	RA-05
Jane Dough	URZJF-5	3/7/2012	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories	C12030313-002	3/19/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJF-5	11/30/2012	A/C Balance (± 5)	%	2.28	Energy Laboratories	C12120001-001	12/7/2012	A1030 E
Jane Dough	URZJF-5	11/30/2012	Anions	meq/L	11.9	Energy Laboratories	C12120001-001	12/7/2012	A1030 E
Jane Dough	URZJF-5	11/30/2012	Cations	meq/L	12.4	Energy Laboratories	C12120001-001	12/7/2012	A1030 E
Jane Dough	URZJF-5	11/30/2012	Solids, Total Dissolved Calculated	mg/L	840	Energy Laboratories	C12120001-001	12/7/2012	A1030 E
Jane Dough	URZJF-5	11/30/2012	TDS Balance (0.80 - 1.20)		0.960	Energy Laboratories	C12120001-001	12/7/2012	A1030 E
Jane Dough	URZJF-5	11/30/2012	Alkalinity, Total as CaCO3	mg/L	65	Energy Laboratories	C12120001-001	12/3/2012	A2320 B
Jane Dough	URZJF-5	11/30/2012	Bicarbonate as HCO3	mg/L	77	Energy Laboratories	C12120001-001	12/3/2012	A2320 B
Jane Dough	URZJF-5	11/30/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12120001-001	12/3/2012	A2320 B
Jane Dough	URZJF-5	11/30/2012	Conductivity @ 25 C	umhos/cm	1150	Energy Laboratories	C12120001-001	12/3/2012	A2510 B
Jane Dough	URZJF-5	11/30/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	803	Energy Laboratories	C12120001-001	12/3/2012	A2540 C
Jane Dough	URZJF-5	11/30/2012	Fluoride	mg/L	0.4	Energy Laboratories	C12120001-001	12/6/2012	A4500-F C
Jane Dough	URZJF-5	11/30/2012	pH	s.u.	8.65	Energy Laboratories	C12120001-001	12/3/2012	A4500-H B
Jane Dough	URZJF-5	11/30/2012	Nitrogen, Ammonia as N	mg/L	0.07	Energy Laboratories	C12120001-001	12/7/2012	A4500-NH3 G
Jane Dough	URZJF-5	11/30/2012	Aluminum	mg/L	ND	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Barium	mg/L	ND	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Boron	mg/L	ND	Energy Laboratories	C12120001-001	12/6/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Cadmium	mg/L	ND	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Calcium	mg/L	48	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Calcium, SAR	meq/L	2.42	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Chromium	mg/L	ND	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Copper	mg/L	ND	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Iron	mg/L	ND	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Iron	mg/L	ND	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Magnesium	mg/L	6	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Magnesium, SAR	meq/L	0.54	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Manganese	mg/L	ND	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Manganese	mg/L	ND	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Nickel	mg/L	ND	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Potassium	mg/L	15	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Silica	mg/L	11.4	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Sodium	mg/L	209	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Sodium, SAR	meq/L	9.10	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Vanadium	mg/L	ND	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Zinc	mg/L	ND	Energy Laboratories	C12120001-001	12/5/2012	E200.7
Jane Dough	URZJF-5	11/30/2012	Arsenic	mg/L	ND	Energy Laboratories	C12120001-001	12/8/2012	E200.8
Jane Dough	URZJF-5	11/30/2012	Lead	mg/L	ND	Energy Laboratories	C12120001-001	12/8/2012	E200.8
Jane Dough	URZJF-5	11/30/2012	Mercury	mg/L	ND	Energy Laboratories	C12120001-001	12/11/2012	E200.8
Jane Dough	URZJF-5	11/30/2012	Selenium	mg/L	ND	Energy Laboratories	C12120001-001	12/8/2012	E200.8
Jane Dough	URZJF-5	11/30/2012	Uranium	mg/L	0.0019	Energy Laboratories	C12120001-001	12/8/2012	E200.8
Jane Dough	URZJF-5	11/30/2012	Chloride	mg/L	5	Energy Laboratories	C12120001-001	12/3/2012	E300.0
Jane Dough	URZJF-5	11/30/2012	Sulfate	mg/L	499	Energy Laboratories	C12120001-001	12/3/2012	E300.0
Jane Dough	URZJF-5	11/30/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12120001-001	12/5/2012	E353.2
Jane Dough	URZJF-5	11/30/2012	Gross Alpha	pCi/L	7.5	Energy Laboratories	C12120001-001	12/22/2012	E900.0
Jane Dough	URZJF-5	11/30/2012	Gross Alpha MDC	pCi/L	2.7	Energy Laboratories	C12120001-001	12/22/2012	E900.0
Jane Dough	URZJF-5	11/30/2012	Gross Alpha precision (±)	pCi/L	2.2	Energy Laboratories	C12120001-001	12/22/2012	E900.0
Jane Dough	URZJF-5	11/30/2012	Gross Beta	pCi/L	10.7	Energy Laboratories	C12120001-001	12/22/2012	E900.0
Jane Dough	URZJF-5	11/30/2012	Gross Beta MDC	pCi/L	3.0	Energy Laboratories	C12120001-001	12/22/2012	E900.0
Jane Dough	URZJF-5	11/30/2012	Gross Beta precision (±)	pCi/L	2.0	Energy Laboratories	C12120001-001	12/22/2012	E900.0
Jane Dough	URZJF-5	11/30/2012	Radium 226	pCi/L	0.47	Energy Laboratories	C12120001-001	1/8/2013	E903.0
Jane Dough	URZJF-5	11/30/2012	Radium 226 MDC	pCi/L	0.19	Energy Laboratories	C12120001-001	1/8/2013	E903.0
Jane Dough	URZJF-5	11/30/2012	Radium 226 precision (±)	pCi/L	0.18	Energy Laboratories	C12120001-001	1/8/2013	E903.0
Jane Dough	URZJF-5	11/30/2012	Radium 228	pCi/L	2.3	Energy Laboratories	C12120001-001	1/3/2013	RA-05
Jane Dough	URZJF-5	11/30/2012	Radium 228 MDC	pCi/L	1.5	Energy Laboratories	C12120001-001	1/3/2013	RA-05
Jane Dough	URZJF-5	11/30/2012	Radium 228 precision (±)	pCi/L	1	Energy Laboratories	C12120001-001	1/3/2013	RA-05
Jane Dough	URZJF-5	11/30/2012	Sodium Adsorption Ratio (SAR)	unitless	7.5	Energy Laboratories	C12120001-001	12/5/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJF-5(A)	11/30/2012	A/C Balance (± 5)	%	2.31	Energy Laboratories	C12120001-002	12/7/2012	A1030 E
Jane Dough	URZJF-5(A)	11/30/2012	Anions	meq/L	11.9	Energy Laboratories	C12120001-002	12/7/2012	A1030 E
Jane Dough	URZJF-5(A)	11/30/2012	Cations	meq/L	12.4	Energy Laboratories	C12120001-002	12/7/2012	A1030 E
Jane Dough	URZJF-5(A)	11/30/2012	Solids, Total Dissolved Calculated	mg/L	840	Energy Laboratories	C12120001-002	12/7/2012	A1030 E
Jane Dough	URZJF-5(A)	11/30/2012	TDS Balance (0.80 - 1.20)		0.950	Energy Laboratories	C12120001-002	12/7/2012	A1030 E
Jane Dough	URZJF-5(A)	11/30/2012	Alkalinity, Total as CaCO3	mg/L	66	Energy Laboratories	C12120001-002	12/3/2012	A2320 B
Jane Dough	URZJF-5(A)	11/30/2012	Bicarbonate as HCO3	mg/L	79	Energy Laboratories	C12120001-002	12/3/2012	A2320 B
Jane Dough	URZJF-5(A)	11/30/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12120001-002	12/3/2012	A2320 B
Jane Dough	URZJF-5(A)	11/30/2012	Conductivity @ 25 C	umhos/cm	1160	Energy Laboratories	C12120001-002	12/3/2012	A2510 B
Jane Dough	URZJF-5(A)	11/30/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	798	Energy Laboratories	C12120001-002	12/3/2012	A2540 C
Jane Dough	URZJF-5(A)	11/30/2012	Fluoride	mg/L	0.4	Energy Laboratories	C12120001-002	12/6/2012	A4500-F C
Jane Dough	URZJF-5(A)	11/30/2012	pH	s.u.	8.65	Energy Laboratories	C12120001-002	12/3/2012	A4500-H B
Jane Dough	URZJF-5(A)	11/30/2012	Nitrogen, Ammonia as N	mg/L	0.07	Energy Laboratories	C12120001-002	12/7/2012	A4500-NH3 G
Jane Dough	URZJF-5(A)	11/30/2012	Aluminum	mg/L	ND	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Barium	mg/L	ND	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Boron	mg/L	ND	Energy Laboratories	C12120001-002	12/6/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Cadmium	mg/L	ND	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Calcium	mg/L	47	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Calcium, SAR	meq/L	2.34	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Chromium	mg/L	ND	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Copper	mg/L	ND	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Iron	mg/L	ND	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Iron	mg/L	ND	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Magnesium	mg/L	7	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Magnesium, SAR	meq/L	0.54	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Manganese	mg/L	ND	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Manganese	mg/L	ND	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Nickel	mg/L	ND	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Potassium	mg/L	15	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Silica	mg/L	11.4	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Sodium	mg/L	211	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Sodium, SAR	meq/L	9.16	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Vanadium	mg/L	ND	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Zinc	mg/L	ND	Energy Laboratories	C12120001-002	12/5/2012	E200.7
Jane Dough	URZJF-5(A)	11/30/2012	Arsenic	mg/L	ND	Energy Laboratories	C12120001-002	12/8/2012	E200.8
Jane Dough	URZJF-5(A)	11/30/2012	Lead	mg/L	ND	Energy Laboratories	C12120001-002	12/8/2012	E200.8
Jane Dough	URZJF-5(A)	11/30/2012	Mercury	mg/L	ND	Energy Laboratories	C12120001-002	12/11/2012	E200.8
Jane Dough	URZJF-5(A)	11/30/2012	Selenium	mg/L	ND	Energy Laboratories	C12120001-002	12/8/2012	E200.8
Jane Dough	URZJF-5(A)	11/30/2012	Uranium	mg/L	0.0005	Energy Laboratories	C12120001-002	12/8/2012	E200.8
Jane Dough	URZJF-5(A)	11/30/2012	Chloride	mg/L	5	Energy Laboratories	C12120001-002	12/3/2012	E300.0
Jane Dough	URZJF-5(A)	11/30/2012	Sulfate	mg/L	498	Energy Laboratories	C12120001-002	12/3/2012	E300.0
Jane Dough	URZJF-5(A)	11/30/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12120001-002	12/5/2012	E353.2
Jane Dough	URZJF-5(A)	11/30/2012	Gross Alpha	pCi/L	5.8	Energy Laboratories	C12120001-002	12/22/2012	E900.0
Jane Dough	URZJF-5(A)	11/30/2012	Gross Alpha MDC	pCi/L	2.3	Energy Laboratories	C12120001-002	12/22/2012	E900.0
Jane Dough	URZJF-5(A)	11/30/2012	Gross Alpha precision (±)	pCi/L	1.9	Energy Laboratories	C12120001-002	12/22/2012	E900.0
Jane Dough	URZJF-5(A)	11/30/2012	Gross Beta	pCi/L	14.1	Energy Laboratories	C12120001-002	12/22/2012	E900.0
Jane Dough	URZJF-5(A)	11/30/2012	Gross Beta MDC	pCi/L	2.9	Energy Laboratories	C12120001-002	12/22/2012	E900.0
Jane Dough	URZJF-5(A)	11/30/2012	Gross Beta precision (±)	pCi/L	2.0	Energy Laboratories	C12120001-002	12/22/2012	E900.0
Jane Dough	URZJF-5(A)	11/30/2012	Radium 226	pCi/L	0.36	Energy Laboratories	C12120001-002	1/8/2013	E903.0
Jane Dough	URZJF-5(A)	11/30/2012	Radium 226 MDC	pCi/L	0.15	Energy Laboratories	C12120001-002	1/8/2013	E903.0
Jane Dough	URZJF-5(A)	11/30/2012	Radium 226 precision (±)	pCi/L	0.15	Energy Laboratories	C12120001-002	1/8/2013	E903.0
Jane Dough	URZJF-5(A)	11/30/2012	Radium 228	pCi/L	2.3	Energy Laboratories	C12120001-002	1/3/2013	RA-05
Jane Dough	URZJF-5(A)	11/30/2012	Radium 228 MDC	pCi/L	1.2	Energy Laboratories	C12120001-002	1/3/2013	RA-05
Jane Dough	URZJF-5(A)	11/30/2012	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories	C12120001-002	1/3/2013	RA-05
Jane Dough	URZJF-5(A)	11/30/2012	Sodium Adsorption Ratio (SAR)	unitless	7.6	Energy Laboratories	C12120001-002	12/5/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJF-5	2/1/2013	A/C Balance (± 5)	%	2.90	Energy Laboratories	C13020050-001	2/12/2013	A1030 E
Jane Dough	URZJF-5	2/1/2013	Anions	meq/L	12.0	Energy Laboratories	C13020050-001	2/12/2013	A1030 E
Jane Dough	URZJF-5	2/1/2013	Cations	meq/L	12.7	Energy Laboratories	C13020050-001	2/12/2013	A1030 E
Jane Dough	URZJF-5	2/1/2013	Solids, Total Dissolved Calculated	mg/L	840	Energy Laboratories	C13020050-001	2/12/2013	A1030 E
Jane Dough	URZJF-5	2/1/2013	TDS Balance (0.80 - 1.20)		0.960	Energy Laboratories	C13020050-001	2/12/2013	A1030 E
Jane Dough	URZJF-5	2/1/2013	Alkalinity, Total as CaCO3	mg/L	74	Energy Laboratories	C13020050-001	2/5/2013	A2320 B
Jane Dough	URZJF-5	2/1/2013	Bicarbonate as HCO3	mg/L	91	Energy Laboratories	C13020050-001	2/5/2013	A2320 B
Jane Dough	URZJF-5	2/1/2013	Carbonate as CO3	mg/L	ND	Energy Laboratories	C13020050-001	2/5/2013	A2320 B
Jane Dough	URZJF-5	2/1/2013	Conductivity @ 25 C	umhos/cm	1190	Energy Laboratories	C13020050-001	2/4/2013	A2510 B
Jane Dough	URZJF-5	2/1/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	810	Energy Laboratories	C13020050-001	2/5/2013	A2540 C
Jane Dough	URZJF-5	2/1/2013	Fluoride	mg/L	0.4	Energy Laboratories	C13020050-001	2/5/2013	A4500-F C
Jane Dough	URZJF-5	2/1/2013	pH	s.u.	8.42	Energy Laboratories	C13020050-001	2/4/2013	A4500-H B
Jane Dough	URZJF-5	2/1/2013	Nitrogen, Ammonia as N	mg/L	0.09	Energy Laboratories	C13020050-001	2/5/2013	A4500-NH3 G
Jane Dough	URZJF-5	2/1/2013	Boron	mg/L	ND	Energy Laboratories	C13020050-001	2/7/2013	E200.7
Jane Dough	URZJF-5	2/1/2013	Calcium	mg/L	54	Energy Laboratories	C13020050-001	2/7/2013	E200.7
Jane Dough	URZJF-5	2/1/2013	Calcium, SAR	meq/L	2.70	Energy Laboratories	C13020050-001	2/7/2013	E200.7
Jane Dough	URZJF-5	2/1/2013	Iron	mg/L	ND	Energy Laboratories	C13020050-001	2/7/2013	E200.7
Jane Dough	URZJF-5	2/1/2013	Iron	mg/L	ND	Energy Laboratories	C13020050-001	2/5/2013	E200.7
Jane Dough	URZJF-5	2/1/2013	Magnesium	mg/L	8	Energy Laboratories	C13020050-001	2/7/2013	E200.7
Jane Dough	URZJF-5	2/1/2013	Magnesium, SAR	meq/L	0.68	Energy Laboratories	C13020050-001	2/7/2013	E200.7
Jane Dough	URZJF-5	2/1/2013	Manganese	mg/L	ND	Energy Laboratories	C13020050-001	2/5/2013	E200.7
Jane Dough	URZJF-5	2/1/2013	Potassium	mg/L	12	Energy Laboratories	C13020050-001	2/7/2013	E200.7
Jane Dough	URZJF-5	2/1/2013	Silica	mg/L	11.0	Energy Laboratories	C13020050-001	2/7/2013	E200.7
Jane Dough	URZJF-5	2/1/2013	Sodium	mg/L	208	Energy Laboratories	C13020050-001	2/7/2013	E200.7
Jane Dough	URZJF-5	2/1/2013	Sodium, SAR	meq/L	9.05	Energy Laboratories	C13020050-001	2/7/2013	E200.7
Jane Dough	URZJF-5	2/1/2013	Aluminum	mg/L	ND	Energy Laboratories	C13020050-001	2/4/2013	E200.8
Jane Dough	URZJF-5	2/1/2013	Arsenic	mg/L	ND	Energy Laboratories	C13020050-001	2/4/2013	E200.8
Jane Dough	URZJF-5	2/1/2013	Barium	mg/L	ND	Energy Laboratories	C13020050-001	2/4/2013	E200.8
Jane Dough	URZJF-5	2/1/2013	Cadmium	mg/L	ND	Energy Laboratories	C13020050-001	2/4/2013	E200.8
Jane Dough	URZJF-5	2/1/2013	Chromium	mg/L	ND	Energy Laboratories	C13020050-001	2/4/2013	E200.8
Jane Dough	URZJF-5	2/1/2013	Copper	mg/L	ND	Energy Laboratories	C13020050-001	2/4/2013	E200.8
Jane Dough	URZJF-5	2/1/2013	Lead	mg/L	ND	Energy Laboratories	C13020050-001	2/4/2013	E200.8
Jane Dough	URZJF-5	2/1/2013	Manganese	mg/L	ND	Energy Laboratories	C13020050-001	2/4/2013	E200.8
Jane Dough	URZJF-5	2/1/2013	Mercury	mg/L	ND	Energy Laboratories	C13020050-001	2/4/2013	E200.8
Jane Dough	URZJF-5	2/1/2013	Molybdenum	mg/L	ND	Energy Laboratories	C13020050-001	2/4/2013	E200.8
Jane Dough	URZJF-5	2/1/2013	Nickel	mg/L	ND	Energy Laboratories	C13020050-001	2/4/2013	E200.8
Jane Dough	URZJF-5	2/1/2013	Selenium	mg/L	ND	Energy Laboratories	C13020050-001	2/4/2013	E200.8
Jane Dough	URZJF-5	2/1/2013	Uranium	mg/L	ND	Energy Laboratories	C13020050-001	2/4/2013	E200.8
Jane Dough	URZJF-5	2/1/2013	Vanadium	mg/L	ND	Energy Laboratories	C13020050-001	2/4/2013	E200.8
Jane Dough	URZJF-5	2/1/2013	Zinc	mg/L	ND	Energy Laboratories	C13020050-001	2/4/2013	E200.8
Jane Dough	URZJF-5	2/1/2013	Chloride	mg/L	5	Energy Laboratories	C13020050-001	2/4/2013	E300.0
Jane Dough	URZJF-5	2/1/2013	Sulfate	mg/L	496	Energy Laboratories	C13020050-001	2/4/2013	E300.0
Jane Dough	URZJF-5	2/1/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C13020050-001	2/4/2013	E353.2
Jane Dough	URZJF-5	2/1/2013	Gross Alpha	pCi/L	2.7	Energy Laboratories	C13020050-001	2/9/2013	E900.0
Jane Dough	URZJF-5	2/1/2013	Gross Alpha MDC	pCi/L	2.8	Energy Laboratories	C13020050-001	2/9/2013	E900.0
Jane Dough	URZJF-5	2/1/2013	Gross Alpha precision (±)	pCi/L	1.8	Energy Laboratories	C13020050-001	2/9/2013	E900.0
Jane Dough	URZJF-5	2/1/2013	Gross Beta	pCi/L	10.5	Energy Laboratories	C13020050-001	2/9/2013	E900.0
Jane Dough	URZJF-5	2/1/2013	Gross Beta MDC	pCi/L	4.6	Energy Laboratories	C13020050-001	2/9/2013	E900.0
Jane Dough	URZJF-5	2/1/2013	Gross Beta precision (±)	pCi/L	2.9	Energy Laboratories	C13020050-001	2/9/2013	E900.0
Jane Dough	URZJF-5	2/1/2013	Radium 226	pCi/L	0.59	Energy Laboratories	C13020050-001	2/13/2013	E903.0
Jane Dough	URZJF-5	2/1/2013	Radium 226 MDC	pCi/L	0.23	Energy Laboratories	C13020050-001	2/13/2013	E903.0
Jane Dough	URZJF-5	2/1/2013	Radium 226 precision (±)	pCi/L	0.23	Energy Laboratories	C13020050-001	2/13/2013	E903.0
Jane Dough	URZJF-5	2/1/2013	Radium 228	pCi/L	1.6	Energy Laboratories	C13020050-001	2/8/2013	RA-05
Jane Dough	URZJF-5	2/1/2013	Radium 228 MDC	pCi/L	2.3	Energy Laboratories	C13020050-001	2/8/2013	RA-05
Jane Dough	URZJF-5	2/1/2013	Radium 228 precision (±)	pCi/L	1.4	Energy Laboratories	C13020050-001	2/8/2013	RA-05
Jane Dough	URZJF-5	2/1/2013	Sodium Adsorption Ratio (SAR)	unitless	7.0	Energy Laboratories	C13020050-001	2/11/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJF-11	8/31/2011	Bicarbonate as HCO3	mg/L	ND	Energy Laboratories	C11081196-002	9/7/2011	A2320 B
Jane Dough	URZJF-11	8/31/2011	Carbonate as CO3	mg/L	35	Energy Laboratories	C11081196-002	9/7/2011	A2320 B
Jane Dough	URZJF-11	8/31/2011	Conductivity @ 25 C	umhos/cm	1130	Energy Laboratories	C11081196-002	9/1/2011	A2510 B
Jane Dough	URZJF-11	8/31/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	678	Energy Laboratories	C11081196-002	9/1/2011	A2540 C
Jane Dough	URZJF-11	8/31/2011	Fluoride	mg/L	0.4	Energy Laboratories	C11081196-002	9/8/2011	A4500-F C
Jane Dough	URZJF-11	8/31/2011	pH	s.u.	10.8	Energy Laboratories	C11081196-002	9/1/2011	A4500-H B
Jane Dough	URZJF-11	8/31/2011	Nitrogen, Ammonia as N	mg/L	0.10	Energy Laboratories	C11081196-002	9/2/2011	A4500-NH3 G
Jane Dough	URZJF-11	8/31/2011	A/C Balance (± 5)	%	3.05	Energy Laboratories	C11081196-002	10/12/2011	Calculation
Jane Dough	URZJF-11	8/31/2011	Anions	meq/L	9.73	Energy Laboratories	C11081196-002	10/12/2011	Calculation
Jane Dough	URZJF-11	8/31/2011	Cations	meq/L	10.3	Energy Laboratories	C11081196-002	10/12/2011	Calculation
Jane Dough	URZJF-11	8/31/2011	Sodium Adsorption Ratio (SAR)	unitless	14.5	Energy Laboratories	C11081196-002	10/7/2011	Calculation
Jane Dough	URZJF-11	8/31/2011	Solids, Total Dissolved Calculated	mg/L	735	Energy Laboratories	C11081196-002	10/12/2011	Calculation
Jane Dough	URZJF-11	8/31/2011	Boron	mg/L	ND	Energy Laboratories	C11081196-002	10/4/2011	E200.7
Jane Dough	URZJF-11	8/31/2011	Iron	mg/L	14.5	Energy Laboratories	C11081196-002	10/5/2011	E200.7
Jane Dough	URZJF-11	8/31/2011	Magnesium	mg/L	ND	Energy Laboratories	C11081196-002	10/4/2011	E200.7
Jane Dough	URZJF-11	8/31/2011	Magnesium, SAR	meq/L	ND	Energy Laboratories	C11081196-002	10/4/2011	E200.7
Jane Dough	URZJF-11	8/31/2011	Manganese	mg/L	ND	Energy Laboratories	C11081196-002	10/4/2011	E200.7
Jane Dough	URZJF-11	8/31/2011	Manganese	mg/L	0.12	Energy Laboratories	C11081196-002	10/5/2011	E200.7
Jane Dough	URZJF-11	8/31/2011	Nickel	mg/L	ND	Energy Laboratories	C11081196-002	10/4/2011	E200.7
Jane Dough	URZJF-11	8/31/2011	Potassium	mg/L	37	Energy Laboratories	C11081196-002	10/4/2011	E200.7
Jane Dough	URZJF-11	8/31/2011	Silica	mg/L	14.0	Energy Laboratories	C11081196-002	10/4/2011	E200.7
Jane Dough	URZJF-11	8/31/2011	Sodium	mg/L	198	Energy Laboratories	C11081196-002	10/4/2011	E200.7
Jane Dough	URZJF-11	8/31/2011	Sodium, SAR	meq/L	8.62	Energy Laboratories	C11081196-002	10/4/2011	E200.7
Jane Dough	URZJF-11	8/31/2011	Aluminum	mg/L	1.2	Energy Laboratories	C11081196-002	10/3/2011	E200.8
Jane Dough	URZJF-11	8/31/2011	Arsenic	mg/L	0.002	Energy Laboratories	C11081196-002	10/3/2011	E200.8
Jane Dough	URZJF-11	8/31/2011	Barium	mg/L	ND	Energy Laboratories	C11081196-002	10/3/2011	E200.8
Jane Dough	URZJF-11	8/31/2011	Cadmium	mg/L	ND	Energy Laboratories	C11081196-002	10/3/2011	E200.8
Jane Dough	URZJF-11	8/31/2011	Calcium	mg/L	14	Energy Laboratories	C11081196-002	10/3/2011	E200.8
Jane Dough	URZJF-11	8/31/2011	Calcium, SAR	meq/L	0.69	Energy Laboratories	C11081196-002	10/3/2011	E200.8
Jane Dough	URZJF-11	8/31/2011	Chromium	mg/L	ND	Energy Laboratories	C11081196-002	10/3/2011	E200.8
Jane Dough	URZJF-11	8/31/2011	Copper	mg/L	ND	Energy Laboratories	C11081196-002	10/3/2011	E200.8
Jane Dough	URZJF-11	8/31/2011	Iron	mg/L	1.27	Energy Laboratories	C11081196-002	10/3/2011	E200.8
Jane Dough	URZJF-11	8/31/2011	Lead	mg/L	ND	Energy Laboratories	C11081196-002	10/3/2011	E200.8
Jane Dough	URZJF-11	8/31/2011	Mercury	mg/L	ND	Energy Laboratories	C11081196-002	10/3/2011	E200.8
Jane Dough	URZJF-11	8/31/2011	Molybdenum	mg/L	ND	Energy Laboratories	C11081196-002	10/3/2011	E200.8
Jane Dough	URZJF-11	8/31/2011	Selenium	mg/L	0.001	Energy Laboratories	C11081196-002	10/3/2011	E200.8
Jane Dough	URZJF-11	8/31/2011	Uranium	mg/L	ND	Energy Laboratories	C11081196-002	10/3/2011	E200.8
Jane Dough	URZJF-11	8/31/2011	Vanadium	mg/L	ND	Energy Laboratories	C11081196-002	10/3/2011	E200.8
Jane Dough	URZJF-11	8/31/2011	Zinc	mg/L	0.02	Energy Laboratories	C11081196-002	10/3/2011	E200.8
Jane Dough	URZJF-11	8/31/2011	Chloride	mg/L	7	Energy Laboratories	C11081196-002	9/3/2011	E300.0
Jane Dough	URZJF-11	8/31/2011	Sulfate	mg/L	399	Energy Laboratories	C11081196-002	9/3/2011	E300.0
Jane Dough	URZJF-11	8/31/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C11081196-002	9/1/2011	E353.2
Jane Dough	URZJF-11	8/31/2011	Gross Alpha	pCi/L	11.3	Energy Laboratories	C11081196-002	9/23/2011	E900.0
Jane Dough	URZJF-11	8/31/2011	Gross Alpha MDC	pCi/L	13.8	Energy Laboratories	C11081196-002	9/23/2011	E900.0
Jane Dough	URZJF-11	8/31/2011	Gross Alpha precision (±)	pCi/L	8.9	Energy Laboratories	C11081196-002	9/23/2011	E900.0
Jane Dough	URZJF-11	8/31/2011	Gross Beta	pCi/L	74.9	Energy Laboratories	C11081196-002	9/23/2011	E900.0
Jane Dough	URZJF-11	8/31/2011	Gross Beta MDC	pCi/L	9.9	Energy Laboratories	C11081196-002	9/23/2011	E900.0
Jane Dough	URZJF-11	8/31/2011	Gross Beta precision (±)	pCi/L	7.2	Energy Laboratories	C11081196-002	9/23/2011	E900.0
Jane Dough	URZJF-11	8/31/2011	Radium 226	pCi/L	1.1	Energy Laboratories	C11081196-002	9/19/2011	E903.0
Jane Dough	URZJF-11	8/31/2011	Radium 226 MDC	pCi/L	0.21	Energy Laboratories	C11081196-002	9/19/2011	E903.0
Jane Dough	URZJF-11	8/31/2011	Radium 226 precision (±)	pCi/L	0.23	Energy Laboratories	C11081196-002	9/19/2011	E903.0
Jane Dough	URZJF-11	8/31/2011	Radium 228	pCi/L	1.7	Energy Laboratories	C11081196-002	9/13/2011	RA-05
Jane Dough	URZJF-11	8/31/2011	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C11081196-002	9/13/2011	RA-05
Jane Dough	URZJF-11	8/31/2011	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C11081196-002	9/13/2011	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJF-11	9/23/2011	A/C Balance (± 5)	%	-1.05	Energy Laboratories	C11090919-002A	10/10/2011	Calculation
Jane Dough	URZJF-11	9/23/2011	Anions	meq/L	29.2	Energy Laboratories	C11090919-002A	10/10/2011	Calculation
Jane Dough	URZJF-11	9/23/2011	Bicarbonate as HCO3	mg/L	162	Energy Laboratories	C11090919-002A	9/24/2011	A2320 B
Jane Dough	URZJF-11	9/23/2011	Carbonate as CO3	mg/L	<5	Energy Laboratories	C11090919-002A	9/24/2011	A2320 B
Jane Dough	URZJF-11	9/23/2011	Cations	meq/L	28.6	Energy Laboratories	C11090919-002A	10/10/2011	Calculation
Jane Dough	URZJF-11	9/23/2011	Chloride	mg/L	8	Energy Laboratories	C11090919-002A	9/29/2011	E300.0
Jane Dough	URZJF-11	9/23/2011	Conductivity @ 25 C	umhos/cm	2270	Energy Laboratories	C11090919-002A	9/26/2011	A2510 B
Jane Dough	URZJF-11	9/23/2011	Fluoride	mg/L	0.1	Energy Laboratories	C11090919-002A	10/6/2011	E300.0
Jane Dough	URZJF-11	9/23/2011	pH	s.u.	7.61	Energy Laboratories	C11090919-002A	9/26/2011	A4500-H B
Jane Dough	URZJF-11	9/23/2011	Solids, Total Dissolved Calculated	mg/L	1910	Energy Laboratories	C11090919-002A	10/10/2011	Calculation
Jane Dough	URZJF-11	9/23/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	2000	Energy Laboratories	C11090919-002A	9/26/2011	A2540 C
Jane Dough	URZJF-11	9/23/2011	Sulfate	mg/L	1260	Energy Laboratories	C11090919-002A	10/4/2011	E300.0
Jane Dough	URZJF-11	9/23/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11090919-002A	9/30/2011	E200.7
Jane Dough	URZJF-11	9/23/2011	Arsenic	mg/L	<0.001	Energy Laboratories	C11090919-002A	10/7/2011	E200.8
Jane Dough	URZJF-11	9/23/2011	Barium	mg/L	<0.1	Energy Laboratories	C11090919-002A	9/30/2011	E200.7
Jane Dough	URZJF-11	9/23/2011	Boron	mg/L	0.1	Energy Laboratories	C11090919-002A	9/30/2011	E200.7
Jane Dough	URZJF-11	9/23/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11090919-002A	9/30/2011	E200.7
Jane Dough	URZJF-11	9/23/2011	Calcium	mg/L	298	Energy Laboratories	C11090919-002A	9/30/2011	E200.7
Jane Dough	URZJF-11	9/23/2011	Calcium, SAR	meq/L	14.9	Energy Laboratories	C11090919-002A	9/30/2011	E200.7
Jane Dough	URZJF-11	9/23/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11090919-002A	9/30/2011	E200.7
Jane Dough	URZJF-11	9/23/2011	Copper	mg/L	<0.01	Energy Laboratories	C11090919-002A	10/7/2011	E200.8
Jane Dough	URZJF-11	9/23/2011	Iron	mg/L	<0.03	Energy Laboratories	C11090919-002A	9/30/2011	E200.7
Jane Dough	URZJF-11	9/23/2011	Lead	mg/L	<0.001	Energy Laboratories	C11090919-002A	10/7/2011	E200.8
Jane Dough	URZJF-11	9/23/2011	Magnesium	mg/L	78	Energy Laboratories	C11090919-002A	9/30/2011	E200.7
Jane Dough	URZJF-11	9/23/2011	Magnesium, SAR	meq/L	6.46	Energy Laboratories	C11090919-002A	9/30/2011	E200.7
Jane Dough	URZJF-11	9/23/2011	Manganese	mg/L	0.24	Energy Laboratories	C11090919-002A	9/30/2011	E200.7
Jane Dough	URZJF-11	9/23/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11090919-002A	10/7/2011	E200.8
Jane Dough	URZJF-11	9/23/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11090919-002A	9/30/2011	E200.7
Jane Dough	URZJF-11	9/23/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11090919-002A	9/30/2011	E200.7
Jane Dough	URZJF-11	9/23/2011	Potassium	mg/L	13	Energy Laboratories	C11090919-002A	9/30/2011	E200.7
Jane Dough	URZJF-11	9/23/2011	Selenium	mg/L	0.034	Energy Laboratories	C11090919-002A	10/7/2011	E200.8
Jane Dough	URZJF-11	9/23/2011	Silica	mg/L	9.3	Energy Laboratories	C11090919-002A	9/30/2011	E200.7
Jane Dough	URZJF-11	9/23/2011	Sodium	mg/L	161	Energy Laboratories	C11090919-002A	9/30/2011	E200.7
Jane Dough	URZJF-11	9/23/2011	Sodium Adsorption Ratio (SAR)	unitless	2.1	Energy Laboratories	C11090919-002A	9/30/2011	Calculation
Jane Dough	URZJF-11	9/23/2011	Sodium, SAR	meq/L	7.00	Energy Laboratories	C11090919-002A	9/30/2011	E200.7
Jane Dough	URZJF-11	9/23/2011	Uranium	mg/L	0.0613	Energy Laboratories	C11090919-002A	10/7/2011	E200.8
Jane Dough	URZJF-11	9/23/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11090919-002A	9/30/2011	E200.7
Jane Dough	URZJF-11	9/23/2011	Zinc	mg/L	0.01	Energy Laboratories	C11090919-002A	9/30/2011	E200.7
Jane Dough	URZJF-11	9/23/2011	Iron	mg/L	92.8	Energy Laboratories	C11090919-002A	10/25/2011	E200.7
Jane Dough	URZJF-11	9/23/2011	Manganese	mg/L	1.02	Energy Laboratories	C11090919-002A	10/21/2011	E200.8
Jane Dough	URZJF-11	9/23/2011	Gross Alpha	pCi/L	232	Energy Laboratories	C11090919-002A	12/1/2011	E900.0
Jane Dough	URZJF-11	9/23/2011	Gross Alpha MDC	pCi/L	31.2	Energy Laboratories	C11090919-002A	12/1/2011	E900.0
Jane Dough	URZJF-11	9/23/2011	Gross Alpha precision (±)	pCi/L	30.0	Energy Laboratories	C11090919-002A	12/1/2011	E900.0
Jane Dough	URZJF-11	9/23/2011	Gross Beta	pCi/L	173	Energy Laboratories	C11090919-002A	12/1/2011	E900.0
Jane Dough	URZJF-11	9/23/2011	Gross Beta MDC	pCi/L	25.8	Energy Laboratories	C11090919-002A	12/1/2011	E900.0
Jane Dough	URZJF-11	9/23/2011	Gross Beta precision (±)	pCi/L	18.2	Energy Laboratories	C11090919-002A	12/1/2011	E900.0
Jane Dough	URZJF-11	9/23/2011	Radium 226	pCi/L	11	Energy Laboratories	C11090919-002A	11/3/2011	E903.0
Jane Dough	URZJF-11	9/23/2011	Radium 226 MDC	pCi/L	0.51	Energy Laboratories	C11090919-002A	11/3/2011	E903.0
Jane Dough	URZJF-11	9/23/2011	Radium 226 precision (±)	pCi/L	1.2	Energy Laboratories	C11090919-002A	11/3/2011	E903.0
Jane Dough	URZJF-11	9/23/2011	Radium 228	pCi/L	2.4	Energy Laboratories	C11090919-002A	10/26/2011	RA-05
Jane Dough	URZJF-11	9/23/2011	Radium 228 MDC	pCi/L	4.8	Energy Laboratories	C11090919-002A	10/26/2011	RA-05
Jane Dough	URZJF-11	9/23/2011	Radium 228 precision (±)	pCi/L	3.0	Energy Laboratories	C11090919-002A	10/26/2011	RA-05
Jane Dough	URZJF-11	9/23/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11090919-002A	10/11/2011	A4500-NH3 G
Jane Dough	URZJF-11	9/23/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	0.7	Energy Laboratories	C11090919-002A	10/4/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJF-11	11/2/2012	A/C Balance (± 5)	%	0.0649	Energy Laboratories	C12110126-002	11/29/2012	A1030 E
Jane Dough	URZJF-11	11/2/2012	Anions	meq/L	13.2	Energy Laboratories	C12110126-002	11/29/2012	A1030 E
Jane Dough	URZJF-11	11/2/2012	Cations	meq/L	13.3	Energy Laboratories	C12110126-002	11/29/2012	A1030 E
Jane Dough	URZJF-11	11/2/2012	Solids, Total Dissolved Calculated	mg/L	940	Energy Laboratories	C12110126-002	11/29/2012	A1030 E
Jane Dough	URZJF-11	11/2/2012	TDS Balance (0.80 - 1.20)		1.07	Energy Laboratories	C12110126-002	11/29/2012	A1030 E
Jane Dough	URZJF-11	11/2/2012	Alkalinity, Total as CaCO3	mg/L	65	Energy Laboratories	C12110126-002	11/6/2012	A2320 B
Jane Dough	URZJF-11	11/2/2012	Bicarbonate as HCO3	mg/L	ND	Energy Laboratories	C12110126-002	11/6/2012	A2320 B
Jane Dough	URZJF-11	11/2/2012	Carbonate as CO3	mg/L	21	Energy Laboratories	C12110126-002	11/6/2012	A2320 B
Jane Dough	URZJF-11	11/2/2012	Conductivity @ 25 C	umhos/cm	1580	Energy Laboratories	C12110126-002	11/5/2012	A2510 B
Jane Dough	URZJF-11	11/2/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	998	Energy Laboratories	C12110126-002	11/6/2012	A2540 C
Jane Dough	URZJF-11	11/2/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12110126-002	11/5/2012	A4500-F C
Jane Dough	URZJF-11	11/2/2012	pH	s.u.	11.1	Energy Laboratories	C12110126-002	11/5/2012	A4500-H B
Jane Dough	URZJF-11	11/2/2012	Nitrogen, Ammonia as N	mg/L	0.16	Energy Laboratories	C12110126-002	11/6/2012	A4500-NH3 G
Jane Dough	URZJF-11	11/2/2012	Aluminum	mg/L	0.1	Energy Laboratories	C12110126-002	11/21/2012	E200.7
Jane Dough	URZJF-11	11/2/2012	Barium	mg/L	ND	Energy Laboratories	C12110126-002	11/21/2012	E200.7
Jane Dough	URZJF-11	11/2/2012	Boron	mg/L	ND	Energy Laboratories	C12110126-002	11/21/2012	E200.7
Jane Dough	URZJF-11	11/2/2012	Cadmium	mg/L	ND	Energy Laboratories	C12110126-002	11/21/2012	E200.7
Jane Dough	URZJF-11	11/2/2012	Calcium, SAR	meq/L	3.42	Energy Laboratories	C12110126-002	11/21/2012	E200.7
Jane Dough	URZJF-11	11/2/2012	Chromium	mg/L	ND	Energy Laboratories	C12110126-002	11/21/2012	E200.7
Jane Dough	URZJF-11	11/2/2012	Copper	mg/L	ND	Energy Laboratories	C12110126-002	11/21/2012	E200.7
Jane Dough	URZJF-11	11/2/2012	Iron	mg/L	ND	Energy Laboratories	C12110126-002	11/21/2012	E200.7
Jane Dough	URZJF-11	11/2/2012	Iron	mg/L	1.96	Energy Laboratories	C12110126-002	11/8/2012	E200.7
Jane Dough	URZJF-11	11/2/2012	Magnesium, SAR	meq/L	ND	Energy Laboratories	C12110126-002	11/21/2012	E200.7
Jane Dough	URZJF-11	11/2/2012	Manganese	mg/L	ND	Energy Laboratories	C12110126-002	11/21/2012	E200.7
Jane Dough	URZJF-11	11/2/2012	Manganese	mg/L	0.02	Energy Laboratories	C12110126-002	11/8/2012	E200.7
Jane Dough	URZJF-11	11/2/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12110126-002	11/21/2012	E200.7
Jane Dough	URZJF-11	11/2/2012	Nickel	mg/L	ND	Energy Laboratories	C12110126-002	11/21/2012	E200.7
Jane Dough	URZJF-11	11/2/2012	Silica	mg/L	11.2	Energy Laboratories	C12110126-002	12/5/2012	E200.7
Jane Dough	URZJF-11	11/2/2012	Sodium, SAR	meq/L	10.7	Energy Laboratories	C12110126-002	11/21/2012	E200.7
Jane Dough	URZJF-11	11/2/2012	Vanadium	mg/L	ND	Energy Laboratories	C12110126-002	11/21/2012	E200.7
Jane Dough	URZJF-11	11/2/2012	Zinc	mg/L	ND	Energy Laboratories	C12110126-002	11/21/2012	E200.7
Jane Dough	URZJF-11	11/2/2012	Arsenic	mg/L	ND	Energy Laboratories	C12110126-002	11/21/2012	E200.8
Jane Dough	URZJF-11	11/2/2012	Calcium	mg/L	65	Energy Laboratories	C12110126-002	11/21/2012	E200.8
Jane Dough	URZJF-11	11/2/2012	Lead	mg/L	ND	Energy Laboratories	C12110126-002	11/21/2012	E200.8
Jane Dough	URZJF-11	11/2/2012	Magnesium	mg/L	ND	Energy Laboratories	C12110126-002	11/21/2012	E200.8
Jane Dough	URZJF-11	11/2/2012	Mercury	mg/L	ND	Energy Laboratories	C12110126-002	11/21/2012	E200.8
Jane Dough	URZJF-11	11/2/2012	Potassium	mg/L	46	Energy Laboratories	C12110126-002	11/21/2012	E200.8
Jane Dough	URZJF-11	11/2/2012	Selenium	mg/L	ND	Energy Laboratories	C12110126-002	11/21/2012	E200.8
Jane Dough	URZJF-11	11/2/2012	Sodium	mg/L	202	Energy Laboratories	C12110126-002	11/21/2012	E200.8
Jane Dough	URZJF-11	11/2/2012	Uranium	mg/L	ND	Energy Laboratories	C12110126-002	11/21/2012	E200.8
Jane Dough	URZJF-11	11/2/2012	Chloride	mg/L	6	Energy Laboratories	C12110126-002	11/7/2012	E300.0
Jane Dough	URZJF-11	11/2/2012	Sulfate	mg/L	564	Energy Laboratories	C12110126-002	11/7/2012	E300.0
Jane Dough	URZJF-11	11/2/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12110126-002	11/5/2012	E353.2
Jane Dough	URZJF-11	11/2/2012	Gross Alpha	pCi/L	-0.2	Energy Laboratories	C12110126-002	11/28/2012	E900.0
Jane Dough	URZJF-11	11/2/2012	Gross Alpha MDC	pCi/L	3.6	Energy Laboratories	C12110126-002	11/28/2012	E900.0
Jane Dough	URZJF-11	11/2/2012	Gross Alpha precision (±)	pCi/L	2.2	Energy Laboratories	C12110126-002	11/28/2012	E900.0
Jane Dough	URZJF-11	11/2/2012	Gross Beta	pCi/L	39.0	Energy Laboratories	C12110126-002	11/28/2012	E900.0
Jane Dough	URZJF-11	11/2/2012	Gross Beta MDC	pCi/L	4.1	Energy Laboratories	C12110126-002	11/28/2012	E900.0
Jane Dough	URZJF-11	11/2/2012	Gross Beta precision (±)	pCi/L	3.1	Energy Laboratories	C12110126-002	11/28/2012	E900.0
Jane Dough	URZJF-11	11/2/2012	Radium 226	pCi/L	0.15	Energy Laboratories	C12110126-002	12/4/2012	E903.0
Jane Dough	URZJF-11	11/2/2012	Radium 226 MDC	pCi/L	0.12	Energy Laboratories	C12110126-002	12/4/2012	E903.0
Jane Dough	URZJF-11	11/2/2012	Radium 226 precision (±)	pCi/L	0.09	Energy Laboratories	C12110126-002	12/4/2012	E903.0
Jane Dough	URZJF-11	11/2/2012	Radium 228	pCi/L	0.22	Energy Laboratories	C12110126-002	11/27/2012	RA-05
Jane Dough	URZJF-11	11/2/2012	Radium 228 MDC	pCi/L	1.2	Energy Laboratories	C12110126-002	11/27/2012	RA-05
Jane Dough	URZJF-11	11/2/2012	Radium 228 precision (±)	pCi/L	0.71	Energy Laboratories	C12110126-002	11/27/2012	RA-05
Jane Dough	URZJF-11	11/2/2012	Sodium Adsorption Ratio (SAR)	unitless	8.1	Energy Laboratories	C12110126-002	11/26/2012	USDA20B

Mine_Name	Samp_Station	Samp_Date	Par_Section	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Da	Analytical_Method
Jane Dough ISR	URZJF-11	1/7/2013	F. Data Quality	A/C Balance (± 5)	%	3.71	Energy Laboratories Casper	C13010170-005	1/14/2013	A1030 E
Jane Dough ISR	URZJF-11	1/7/2013	F. Data Quality	Anions	meq/L	14.0	Energy Laboratories Casper	C13010170-005	1/14/2013	A1030 E
Jane Dough ISR	URZJF-11	1/7/2013	F. Data Quality	Cations	meq/L	15.1	Energy Laboratories Casper	C13010170-005	1/14/2013	A1030 E
Jane Dough ISR	URZJF-11	1/7/2013	F. Data Quality	Solids, Total Dissolved Calculated	mg/L	1000	Energy Laboratories Casper	C13010170-005	1/14/2013	A1030 E
Jane Dough ISR	URZJF-11	1/7/2013	F. Data Quality	TDS Balance (0.80 - 1.20)		1.00	Energy Laboratories Casper	C13010170-005	1/14/2013	A1030 E
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Alkalinity, Total as CaCO3	mg/L	44	Energy Laboratories Casper	C13010170-005	1/9/2013	A2320 B
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Bicarbonate as HCO3	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	A2320 B
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Carbonate as CO3	mg/L	18	Energy Laboratories Casper	C13010170-005	1/9/2013	A2320 B
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	Conductivity @ 25 C	umhos/cm	1590	Energy Laboratories Casper	C13010170-005	1/8/2013	A2510 B
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	Solids, Total Dissolved TDS @ 180 C	mg/L	1020	Energy Laboratories Casper	C13010170-005	1/9/2013	A2540 C
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Fluoride	mg/L	0.2	Energy Laboratories Casper	C13010170-005	1/8/2013	A4500-F C
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	pH	s.u.	11.1	Energy Laboratories Casper	C13010170-005	1/8/2013	A4500-H B
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Nitrogen, Ammonia as N	mg/L	0.10	Energy Laboratories Casper	C13010170-005	1/11/2013	A4500-NH3 G
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Aluminum	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Barium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Cadmium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Calcium	mg/L	74	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	Calcium, SAR	meq/L	3.72	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Chromium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Copper	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Iron	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	D. Metals - Total	Iron	mg/L	2.20	Energy Laboratories Casper	C13010170-005	1/10/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Magnesium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	Magnesium, SAR	meq/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Manganese	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	D. Metals - Total	Manganese	mg/L	0.02	Energy Laboratories Casper	C13010170-005	1/10/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Molybdenum	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Nickel	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Potassium	mg/L	42	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Sodium	mg/L	236	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	Sodium, SAR	meq/L	10.2	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Vanadium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Zinc	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Arsenic	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Boron	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Lead	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Mercury	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Selenium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Silica	mg/L	11.2	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Uranium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Chloride	mg/L	7	Energy Laboratories Casper	C13010170-005	1/10/2013	E300.0
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Sulfate	mg/L	621	Energy Laboratories Casper	C13010170-005	1/10/2013	E300.0
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E353.2
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Gross Alpha	pCi/L	1.8	Energy Laboratories Casper	C13010170-005	1/14/2013	E900.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Gross Alpha MDC	pCi/L	3.3	Energy Laboratories Casper	C13010170-005	1/14/2013	E900.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Gross Alpha precision (±)	pCi/L	2.1	Energy Laboratories Casper	C13010170-005	1/14/2013	E900.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Gross Beta	pCi/L	37.4	Energy Laboratories Casper	C13010170-005	1/14/2013	E900.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Gross Beta MDC	pCi/L	4.6	Energy Laboratories Casper	C13010170-005	1/14/2013	E900.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Gross Beta precision (±)	pCi/L	3.4	Energy Laboratories Casper	C13010170-005	1/14/2013	E900.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Radium 226	pCi/L	0.54	Energy Laboratories Casper	C13010170-005	1/29/2013	E903.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Radium 226 MDC	pCi/L	0.15	Energy Laboratories Casper	C13010170-005	1/29/2013	E903.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Radium 226 precision (±)	pCi/L	0.16	Energy Laboratories Casper	C13010170-005	1/29/2013	E903.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Radium 228	pCi/L	3.1	Energy Laboratories Casper	C13010170-005	1/22/2013	RA-05
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Radium 228 MDC	pCi/L	0.92	Energy Laboratories Casper	C13010170-005	1/22/2013	RA-05
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Radium 228 precision (±)	pCi/L	0.70	Energy Laboratories Casper	C13010170-005	1/22/2013	RA-05
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	Sodium Adsorption Ratio (SAR)	unitless	7.5	Energy Laboratories Casper	C13010170-005	2/1/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJF-17	12/9/2011	Bicarbonate as HCO3	mg/L	169	Energy Laboratories	C11120317-001	12/12/2011	A2320 B
Jane Dough	URZJF-17	12/9/2011	Carbonate as CO3	mg/L	ND	Energy Laboratories	C11120317-001	12/12/2011	A2320 B
Jane Dough	URZJF-17	12/9/2011	Conductivity @ 25 C	umhos/cm	528	Energy Laboratories	C11120317-001	12/12/2011	A2510 B
Jane Dough	URZJF-17	12/9/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	1930	Energy Laboratories	C11120317-001	12/12/2011	A2540 C
Jane Dough	URZJF-17	12/9/2011	pH	s.u.	8.35	Energy Laboratories	C11120317-001	12/12/2011	A4500-H B
Jane Dough	URZJF-17	12/9/2011	Nitrogen, Ammonia as N	mg/L	0.12	Energy Laboratories	C11120317-001	12/15/2011	A4500-NH3 G
Jane Dough	URZJF-17	12/9/2011	A/C Balance (± 5)	%	-3.19	Energy Laboratories	C11120317-001	1/4/2012	Calculation
Jane Dough	URZJF-17	12/9/2011	Anions	meq/L	28.5	Energy Laboratories	C11120317-001	1/4/2012	Calculation
Jane Dough	URZJF-17	12/9/2011	Cations	meq/L	26.7	Energy Laboratories	C11120317-001	1/4/2012	Calculation
Jane Dough	URZJF-17	12/9/2011	Sodium Adsorption Ratio (SAR)	unitless	2.0	Energy Laboratories	C11120317-001	12/15/2011	Calculation
Jane Dough	URZJF-17	12/9/2011	Solids, Total Dissolved Calculated	mg/L	1840	Energy Laboratories	C11120317-001	1/4/2012	Calculation
Jane Dough	URZJF-17	12/9/2011	Boron	mg/L	ND	Energy Laboratories	C11120317-001	12/15/2011	E200.7
Jane Dough	URZJF-17	12/9/2011	Calcium	mg/L	285	Energy Laboratories	C11120317-001	12/15/2011	E200.7
Jane Dough	URZJF-17	12/9/2011	Calcium, SAR	meq/L	14.3	Energy Laboratories	C11120317-001	12/15/2011	E200.7
Jane Dough	URZJF-17	12/9/2011	Iron	mg/L	ND	Energy Laboratories	C11120317-001	12/15/2011	E200.7
Jane Dough	URZJF-17	12/9/2011	Iron	mg/L	141	Energy Laboratories	C11120317-001	1/11/2012	E200.7
Jane Dough	URZJF-17	12/9/2011	Magnesium	mg/L	73	Energy Laboratories	C11120317-001	12/15/2011	E200.7
Jane Dough	URZJF-17	12/9/2011	Magnesium, SAR	meq/L	6.08	Energy Laboratories	C11120317-001	12/15/2011	E200.7
Jane Dough	URZJF-17	12/9/2011	Potassium	mg/L	11	Energy Laboratories	C11120317-001	12/15/2011	E200.7
Jane Dough	URZJF-17	12/9/2011	Silica	mg/L	7.1	Energy Laboratories	C11120317-001	12/15/2011	E200.7
Jane Dough	URZJF-17	12/9/2011	Sodium	mg/L	143	Energy Laboratories	C11120317-001	12/15/2011	E200.7
Jane Dough	URZJF-17	12/9/2011	Sodium, SAR	meq/L	6.21	Energy Laboratories	C11120317-001	12/15/2011	E200.7
Jane Dough	URZJF-17	12/9/2011	Aluminum	mg/L	ND	Energy Laboratories	C11120317-001	12/12/2011	E200.8
Jane Dough	URZJF-17	12/9/2011	Arsenic	mg/L	ND	Energy Laboratories	C11120317-001	12/12/2011	E200.8
Jane Dough	URZJF-17	12/9/2011	Barium	mg/L	ND	Energy Laboratories	C11120317-001	12/12/2011	E200.8
Jane Dough	URZJF-17	12/9/2011	Cadmium	mg/L	ND	Energy Laboratories	C11120317-001	12/12/2011	E200.8
Jane Dough	URZJF-17	12/9/2011	Chromium	mg/L	ND	Energy Laboratories	C11120317-001	12/12/2011	E200.8
Jane Dough	URZJF-17	12/9/2011	Copper	mg/L	ND	Energy Laboratories	C11120317-001	12/12/2011	E200.8
Jane Dough	URZJF-17	12/9/2011	Lead	mg/L	ND	Energy Laboratories	C11120317-001	12/12/2011	E200.8
Jane Dough	URZJF-17	12/9/2011	Manganese	mg/L	0.20	Energy Laboratories	C11120317-001	12/12/2011	E200.8
Jane Dough	URZJF-17	12/9/2011	Manganese	mg/L	1.90	Energy Laboratories	C11120317-001	12/27/2011	E200.8
Jane Dough	URZJF-17	12/9/2011	Mercury	mg/L	ND	Energy Laboratories	C11120317-001	12/12/2011	E200.8
Jane Dough	URZJF-17	12/9/2011	Molybdenum	mg/L	ND	Energy Laboratories	C11120317-001	12/12/2011	E200.8
Jane Dough	URZJF-17	12/9/2011	Nickel	mg/L	ND	Energy Laboratories	C11120317-001	12/12/2011	E200.8
Jane Dough	URZJF-17	12/9/2011	Selenium	mg/L	0.027	Energy Laboratories	C11120317-001	12/12/2011	E200.8
Jane Dough	URZJF-17	12/9/2011	Uranium	mg/L	0.0628	Energy Laboratories	C11120317-001	12/12/2011	E200.8
Jane Dough	URZJF-17	12/9/2011	Vanadium	mg/L	ND	Energy Laboratories	C11120317-001	12/12/2011	E200.8
Jane Dough	URZJF-17	12/9/2011	Zinc	mg/L	ND	Energy Laboratories	C11120317-001	12/12/2011	E200.8
Jane Dough	URZJF-17	12/9/2011	Chloride	mg/L	7	Energy Laboratories	C11120317-001	12/16/2011	E300.0
Jane Dough	URZJF-17	12/9/2011	Fluoride	mg/L	ND	Energy Laboratories	C11120317-001	12/19/2011	E300.0
Jane Dough	URZJF-17	12/9/2011	Sulfate	mg/L	1220	Energy Laboratories	C11120317-001	12/19/2011	E300.0
Jane Dough	URZJF-17	12/9/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	0.5	Energy Laboratories	C11120317-001	12/9/2011	E353.2
Jane Dough	URZJF-17	12/9/2011	Gross Alpha	pCi/L	176	Energy Laboratories	C11120317-001	1/13/2012	E900.0
Jane Dough	URZJF-17	12/9/2011	Gross Alpha MDC	pCi/L	53.2	Energy Laboratories	C11120317-001	1/13/2012	E900.0
Jane Dough	URZJF-17	12/9/2011	Gross Alpha precision (±)	pCi/L	41.3	Energy Laboratories	C11120317-001	1/13/2012	E900.0
Jane Dough	URZJF-17	12/9/2011	Gross Beta	pCi/L	166	Energy Laboratories	C11120317-001	1/13/2012	E900.0
Jane Dough	URZJF-17	12/9/2011	Gross Beta MDC	pCi/L	58.4	Energy Laboratories	C11120317-001	1/13/2012	E900.0
Jane Dough	URZJF-17	12/9/2011	Gross Beta precision (±)	pCi/L	37.7	Energy Laboratories	C11120317-001	1/13/2012	E900.0
Jane Dough	URZJF-17	12/9/2011	Radium 226	pCi/L	4.1	Energy Laboratories	C11120317-001	12/27/2011	E903.0
Jane Dough	URZJF-17	12/9/2011	Radium 226 MDC	pCi/L	0.56	Energy Laboratories	C11120317-001	12/27/2011	E903.0
Jane Dough	URZJF-17	12/9/2011	Radium 226 precision (±)	pCi/L	0.82	Energy Laboratories	C11120317-001	12/27/2011	E903.0
Jane Dough	URZJF-17	12/9/2011	Radium 228	pCi/L	5.2	Energy Laboratories	C11120317-001	12/21/2011	RA-05
Jane Dough	URZJF-17	12/9/2011	Radium 228 MDC	pCi/L	4.8	Energy Laboratories	C11120317-001	12/21/2011	RA-05
Jane Dough	URZJF-17	12/9/2011	Radium 228 precision (±)	pCi/L	3.1	Energy Laboratories	C11120317-001	12/21/2011	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJF-17	1/23/2012	Alkalinity, Total as CaCO3	mg/L	127	Energy Laboratories	C12010678-003	1/24/2012	A2320 B
Jane Dough	URZJF-17	1/23/2012	Bicarbonate as HCO3	mg/L	154	Energy Laboratories	C12010678-003	1/24/2012	A2320 B
Jane Dough	URZJF-17	1/23/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12010678-003	1/24/2012	A2320 B
Jane Dough	URZJF-17	1/23/2012	Conductivity @ 25 C	umhos/cm	2350	Energy Laboratories	C12010678-003	1/24/2012	A2510 B
Jane Dough	URZJF-17	1/23/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	1990	Energy Laboratories	C12010678-003	1/24/2012	A2540 C
Jane Dough	URZJF-17	1/23/2012	pH	s.u.	7.67	Energy Laboratories	C12010678-003	1/24/2012	A4500-H B
Jane Dough	URZJF-17	1/23/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12010678-003	1/26/2012	A4500-NH3 G
Jane Dough	URZJF-17	1/23/2012	A/C Balance (± 5)	%	2.49	Energy Laboratories	C12010678-003	2/7/2012	Calculation
Jane Dough	URZJF-17	1/23/2012	Anions	meq/L	28.2	Energy Laboratories	C12010678-003	2/7/2012	Calculation
Jane Dough	URZJF-17	1/23/2012	Cations	meq/L	29.7	Energy Laboratories	C12010678-003	2/7/2012	Calculation
Jane Dough	URZJF-17	1/23/2012	Sodium Adsorption Ratio (SAR)	unitless	2.0	Energy Laboratories	C12010678-003	1/27/2012	Calculation
Jane Dough	URZJF-17	1/23/2012	Aluminum	mg/L	ND	Energy Laboratories	C12010678-003	2/2/2012	E200.7
Jane Dough	URZJF-17	1/23/2012	Boron	mg/L	ND	Energy Laboratories	C12010678-003	2/2/2012	E200.7
Jane Dough	URZJF-17	1/23/2012	Silica	mg/L	9.8	Energy Laboratories	C12010678-003	2/2/2012	E200.7
Jane Dough	URZJF-17	1/23/2012	Arsenic	mg/L	ND	Energy Laboratories	C12010678-003	1/25/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Barium	mg/L	ND	Energy Laboratories	C12010678-003	1/25/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Cadmium	mg/L	ND	Energy Laboratories	C12010678-003	1/25/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Calcium	mg/L	328	Energy Laboratories	C12010678-003	1/27/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Calcium, SAR	meq/L	16.4	Energy Laboratories	C12010678-003	1/27/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Chromium	mg/L	ND	Energy Laboratories	C12010678-003	1/25/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Copper	mg/L	ND	Energy Laboratories	C12010678-003	1/25/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Iron	mg/L	ND	Energy Laboratories	C12010678-003	1/27/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Iron	mg/L	33.0	Energy Laboratories	C12010678-003	1/27/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Lead	mg/L	ND	Energy Laboratories	C12010678-003	1/25/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Magnesium	mg/L	76	Energy Laboratories	C12010678-003	1/27/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Magnesium, SAR	meq/L	6.31	Energy Laboratories	C12010678-003	1/27/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Manganese	mg/L	0.08	Energy Laboratories	C12010678-003	1/25/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Manganese	mg/L	0.52	Energy Laboratories	C12010678-003	1/27/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Mercury	mg/L	ND	Energy Laboratories	C12010678-003	1/25/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12010678-003	1/25/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Nickel	mg/L	ND	Energy Laboratories	C12010678-003	1/25/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Potassium	mg/L	12	Energy Laboratories	C12010678-003	1/27/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Selenium	mg/L	0.033	Energy Laboratories	C12010678-003	1/25/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Sodium	mg/L	156	Energy Laboratories	C12010678-003	1/27/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Sodium, SAR	meq/L	6.79	Energy Laboratories	C12010678-003	1/27/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Uranium	mg/L	0.0618	Energy Laboratories	C12010678-003	1/25/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Vanadium	mg/L	ND	Energy Laboratories	C12010678-003	1/25/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Zinc	mg/L	ND	Energy Laboratories	C12010678-003	1/25/2012	E200.8
Jane Dough	URZJF-17	1/23/2012	Chloride	mg/L	8	Energy Laboratories	C12010678-003	1/26/2012	E300.0
Jane Dough	URZJF-17	1/23/2012	Fluoride	mg/L	ND	Energy Laboratories	C12010678-003	2/1/2012	E300.0
Jane Dough	URZJF-17	1/23/2012	Sulfate	mg/L	1220	Energy Laboratories	C12010678-003	1/30/2012	E300.0
Jane Dough	URZJF-17	1/23/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	0.7	Energy Laboratories	C12010678-003	1/24/2012	E353.2
Jane Dough	URZJF-17	1/23/2012	Gross Alpha	pCi/L	124	Energy Laboratories	C12010678-003	2/14/2012	E900.0
Jane Dough	URZJF-17	1/23/2012	Gross Alpha MDC	pCi/L	18.8	Energy Laboratories	C12010678-003	2/14/2012	E900.0
Jane Dough	URZJF-17	1/23/2012	Gross Alpha precision (±)	pCi/L	17.3	Energy Laboratories	C12010678-003	2/14/2012	E900.0
Jane Dough	URZJF-17	1/23/2012	Gross Beta	pCi/L	48.7	Energy Laboratories	C12010678-003	2/14/2012	E900.0
Jane Dough	URZJF-17	1/23/2012	Gross Beta MDC	pCi/L	13.8	Energy Laboratories	C12010678-003	2/14/2012	E900.0
Jane Dough	URZJF-17	1/23/2012	Gross Beta precision (±)	pCi/L	9.1	Energy Laboratories	C12010678-003	2/14/2012	E900.0
Jane Dough	URZJF-17	1/23/2012	Radium 226	pCi/L	2.4	Energy Laboratories	C12010678-003	2/22/2012	E903.0
Jane Dough	URZJF-17	1/23/2012	Radium 226 MDC	pCi/L	0.10	Energy Laboratories	C12010678-003	2/22/2012	E903.0
Jane Dough	URZJF-17	1/23/2012	Radium 226 precision (±)	pCi/L	0.27	Energy Laboratories	C12010678-003	2/22/2012	E903.0
Jane Dough	URZJF-17	1/23/2012	Radium 228	pCi/L	0.63	Energy Laboratories	C12010678-003	2/15/2012	RA-05
Jane Dough	URZJF-17	1/23/2012	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C12010678-003	2/15/2012	RA-05
Jane Dough	URZJF-17	1/23/2012	Radium 228 precision (±)	pCi/L	0.66	Energy Laboratories	C12010678-003	2/15/2012	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJF-17	6/25/2012	A/C Balance (± 5)	%	-2.92	Energy Laboratories	C12061023-001	7/11/2012	A1030 E
Jane Dough	URZJF-17	6/25/2012	Anions	meq/L	28.1	Energy Laboratories	C12061023-001	7/11/2012	A1030 E
Jane Dough	URZJF-17	6/25/2012	Cations	meq/L	26.5	Energy Laboratories	C12061023-001	7/11/2012	A1030 E
Jane Dough	URZJF-17	6/25/2012	Solids, Total Dissolved Calculated	mg/L	1800	Energy Laboratories	C12061023-001	7/11/2012	A1030 E
Jane Dough	URZJF-17	6/25/2012	TDS Balance (0.80 - 1.20)		1.07	Energy Laboratories	C12061023-001	7/11/2012	A1030 E
Jane Dough	URZJF-17	6/25/2012	Bicarbonate as HCO3	mg/L	166	Energy Laboratories	C12061023-001	6/27/2012	A2320 B
Jane Dough	URZJF-17	6/25/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12061023-001	6/27/2012	A2320 B
Jane Dough	URZJF-17	6/25/2012	Conductivity @ 25 C	umhos/cm	2240	Energy Laboratories	C12061023-001	6/26/2012	A2510 B
Jane Dough	URZJF-17	6/25/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	1950	Energy Laboratories	C12061023-001	6/26/2012	A2540 C
Jane Dough	URZJF-17	6/25/2012	Fluoride	mg/L	ND	Energy Laboratories	C12061023-001	6/28/2012	A4500-F C
Jane Dough	URZJF-17	6/25/2012	pH	s.u.	7.68	Energy Laboratories	C12061023-001	6/26/2012	A4500-H B
Jane Dough	URZJF-17	6/25/2012	Nitrogen, Ammonia as N	mg/L	0.07	Energy Laboratories	C12061023-001	7/5/2012	A4500-NH3 G
Jane Dough	URZJF-17	6/25/2012	Aluminum	mg/L	ND	Energy Laboratories	C12061023-001	7/9/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Barium	mg/L	ND	Energy Laboratories	C12061023-001	7/9/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Boron	mg/L	ND	Energy Laboratories	C12061023-001	7/9/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Cadmium	mg/L	ND	Energy Laboratories	C12061023-001	7/9/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Calcium	mg/L	282	Energy Laboratories	C12061023-001	7/9/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Calcium, SAR	meq/L	14.1	Energy Laboratories	C12061023-001	7/9/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Chromium	mg/L	ND	Energy Laboratories	C12061023-001	7/9/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Copper	mg/L	ND	Energy Laboratories	C12061023-001	7/9/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Iron	mg/L	ND	Energy Laboratories	C12061023-001	7/9/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Iron	mg/L	42.0	Energy Laboratories	C12061023-001	6/28/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Magnesium	mg/L	69	Energy Laboratories	C12061023-001	7/9/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Magnesium, SAR	meq/L	5.75	Energy Laboratories	C12061023-001	7/9/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Manganese	mg/L	0.12	Energy Laboratories	C12061023-001	7/9/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Manganese	mg/L	0.71	Energy Laboratories	C12061023-001	6/28/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12061023-001	7/9/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Nickel	mg/L	ND	Energy Laboratories	C12061023-001	7/9/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Potassium	mg/L	12	Energy Laboratories	C12061023-001	7/9/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Silica	mg/L	8.2	Energy Laboratories	C12061023-001	7/9/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Sodium	mg/L	149	Energy Laboratories	C12061023-001	7/9/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Sodium, SAR	meq/L	6.47	Energy Laboratories	C12061023-001	7/9/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Vanadium	mg/L	ND	Energy Laboratories	C12061023-001	7/9/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Zinc	mg/L	0.02	Energy Laboratories	C12061023-001	7/9/2012	E200.7
Jane Dough	URZJF-17	6/25/2012	Arsenic	mg/L	ND	Energy Laboratories	C12061023-001	7/12/2012	E200.8
Jane Dough	URZJF-17	6/25/2012	Lead	mg/L	ND	Energy Laboratories	C12061023-001	7/12/2012	E200.8
Jane Dough	URZJF-17	6/25/2012	Mercury	mg/L	ND	Energy Laboratories	C12061023-001	7/12/2012	E200.8
Jane Dough	URZJF-17	6/25/2012	Selenium	mg/L	0.030	Energy Laboratories	C12061023-001	7/12/2012	E200.8
Jane Dough	URZJF-17	6/25/2012	Uranium	mg/L	0.0568	Energy Laboratories	C12061023-001	7/12/2012	E200.8
Jane Dough	URZJF-17	6/25/2012	Chloride	mg/L	8	Energy Laboratories	C12061023-001	7/3/2012	E300.0
Jane Dough	URZJF-17	6/25/2012	Sulfate	mg/L	1210	Energy Laboratories	C12061023-001	7/5/2012	E300.0
Jane Dough	URZJF-17	6/25/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	0.8	Energy Laboratories	C12061023-001	6/28/2012	E353.2
Jane Dough	URZJF-17	6/25/2012	Gross Alpha	pCi/L	87.3	Energy Laboratories	C12061023-001	7/6/2012	E900.0
Jane Dough	URZJF-17	6/25/2012	Gross Alpha MDC	pCi/L	7.8	Energy Laboratories	C12061023-001	7/6/2012	E900.0
Jane Dough	URZJF-17	6/25/2012	Gross Alpha precision (±)	pCi/L	8.0	Energy Laboratories	C12061023-001	7/6/2012	E900.0
Jane Dough	URZJF-17	6/25/2012	Gross Beta	pCi/L	28.5	Energy Laboratories	C12061023-001	7/6/2012	E900.0
Jane Dough	URZJF-17	6/25/2012	Gross Beta MDC	pCi/L	10.0	Energy Laboratories	C12061023-001	7/6/2012	E900.0
Jane Dough	URZJF-17	6/25/2012	Gross Beta precision (±)	pCi/L	6.6	Energy Laboratories	C12061023-001	7/6/2012	E900.0
Jane Dough	URZJF-17	6/25/2012	Radium 226	pCi/L	3.4	Energy Laboratories	C12061023-001	7/18/2012	E903.0
Jane Dough	URZJF-17	6/25/2012	Radium 226 MDC	pCi/L	0.26	Energy Laboratories	C12061023-001	7/18/2012	E903.0
Jane Dough	URZJF-17	6/25/2012	Radium 226 precision (±)	pCi/L	0.46	Energy Laboratories	C12061023-001	7/18/2012	E903.0
Jane Dough	URZJF-17	6/25/2012	Radium 228	pCi/L	3.4	Energy Laboratories	C12061023-001	7/13/2012	RA-05
Jane Dough	URZJF-17	6/25/2012	Radium 228 MDC	pCi/L	2.1	Energy Laboratories	C12061023-001	7/13/2012	RA-05
Jane Dough	URZJF-17	6/25/2012	Radium 228 precision (±)	pCi/L	1.4	Energy Laboratories	C12061023-001	7/13/2012	RA-05
Jane Dough	URZJF-17	6/25/2012	Sodium Adsorption Ratio (SAR)	unitless	2.1	Energy Laboratories	C12061023-001	7/9/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJF-17	9/28/2012	A/C Balance (± 5)	%	0.143	Energy Laboratories	C12100001-001	10/24/2012	A1030 E
Jane Dough	URZJF-17	9/28/2012	Anions	meq/L	27.8	Energy Laboratories	C12100001-001	10/24/2012	A1030 E
Jane Dough	URZJF-17	9/28/2012	Cations	meq/L	27.9	Energy Laboratories	C12100001-001	10/24/2012	A1030 E
Jane Dough	URZJF-17	9/28/2012	Solids, Total Dissolved Calculated	mg/L	1800	Energy Laboratories	C12100001-001	10/24/2012	A1030 E
Jane Dough	URZJF-17	9/28/2012	TDS Balance (0.80 - 1.20)		1.06	Energy Laboratories	C12100001-001	10/24/2012	A1030 E
Jane Dough	URZJF-17	9/28/2012	Alkalinity, Total as CaCO3	mg/L	141	Energy Laboratories	C12100001-001	10/24/2012	A2320 B
Jane Dough	URZJF-17	9/28/2012	Bicarbonate as HCO3	mg/L	172	Energy Laboratories	C12100001-001	10/24/2012	A2320 B
Jane Dough	URZJF-17	9/28/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12100001-001	10/24/2012	A2320 B
Jane Dough	URZJF-17	9/28/2012	Conductivity @ 25 C	umhos/cm	2200	Energy Laboratories	C12100001-001	10/2/2012	A2510 B
Jane Dough	URZJF-17	9/28/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	1940	Energy Laboratories	C12100001-001	10/2/2012	A2540 C
Jane Dough	URZJF-17	9/28/2012	Fluoride	mg/L	ND	Energy Laboratories	C12100001-001	10/3/2012	A4500-F C
Jane Dough	URZJF-17	9/28/2012	pH	s.u.	7.6	Energy Laboratories	C12100001-001	10/2/2012	A4500-H B
Jane Dough	URZJF-17	9/28/2012	Nitrogen, Ammonia as N	mg/L	0.05	Energy Laboratories	C12100001-001	10/1/2012	A4500-NH3 G
Jane Dough	URZJF-17	9/28/2012	Boron	mg/L	ND	Energy Laboratories	C12100001-001	10/19/2012	E200.7
Jane Dough	URZJF-17	9/28/2012	Calcium	mg/L	289	Energy Laboratories	C12100001-001	10/19/2012	E200.7
Jane Dough	URZJF-17	9/28/2012	Calcium, SAR	meq/L	14.4	Energy Laboratories	C12100001-001	10/19/2012	E200.7
Jane Dough	URZJF-17	9/28/2012	Iron	mg/L	ND	Energy Laboratories	C12100001-001	10/19/2012	E200.7
Jane Dough	URZJF-17	9/28/2012	Iron	mg/L	19.1	Energy Laboratories	C12100001-001	10/19/2012	E200.7
Jane Dough	URZJF-17	9/28/2012	Magnesium	mg/L	76	Energy Laboratories	C12100001-001	10/19/2012	E200.7
Jane Dough	URZJF-17	9/28/2012	Magnesium, SAR	meq/L	6.35	Energy Laboratories	C12100001-001	10/19/2012	E200.7
Jane Dough	URZJF-17	9/28/2012	Potassium	mg/L	12	Energy Laboratories	C12100001-001	10/19/2012	E200.7
Jane Dough	URZJF-17	9/28/2012	Silica	mg/L	9.2	Energy Laboratories	C12100001-001	10/19/2012	E200.7
Jane Dough	URZJF-17	9/28/2012	Sodium	mg/L	159	Energy Laboratories	C12100001-001	10/19/2012	E200.7
Jane Dough	URZJF-17	9/28/2012	Sodium, SAR	meq/L	6.92	Energy Laboratories	C12100001-001	10/19/2012	E200.7
Jane Dough	URZJF-17	9/28/2012	Aluminum	mg/L	ND	Energy Laboratories	C12100001-001	10/16/2012	E200.8
Jane Dough	URZJF-17	9/28/2012	Arsenic	mg/L	ND	Energy Laboratories	C12100001-001	10/16/2012	E200.8
Jane Dough	URZJF-17	9/28/2012	Barium	mg/L	ND	Energy Laboratories	C12100001-001	10/16/2012	E200.8
Jane Dough	URZJF-17	9/28/2012	Cadmium	mg/L	ND	Energy Laboratories	C12100001-001	10/16/2012	E200.8
Jane Dough	URZJF-17	9/28/2012	Chromium	mg/L	ND	Energy Laboratories	C12100001-001	10/16/2012	E200.8
Jane Dough	URZJF-17	9/28/2012	Copper	mg/L	ND	Energy Laboratories	C12100001-001	10/16/2012	E200.8
Jane Dough	URZJF-17	9/28/2012	Lead	mg/L	ND	Energy Laboratories	C12100001-001	10/16/2012	E200.8
Jane Dough	URZJF-17	9/28/2012	Manganese	mg/L	0.10	Energy Laboratories	C12100001-001	10/16/2012	E200.8
Jane Dough	URZJF-17	9/28/2012	Manganese	mg/L	0.32	Energy Laboratories	C12100001-001	10/16/2012	E200.8
Jane Dough	URZJF-17	9/28/2012	Mercury	mg/L	ND	Energy Laboratories	C12100001-001	10/16/2012	E200.8
Jane Dough	URZJF-17	9/28/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12100001-001	10/16/2012	E200.8
Jane Dough	URZJF-17	9/28/2012	Nickel	mg/L	ND	Energy Laboratories	C12100001-001	10/16/2012	E200.8
Jane Dough	URZJF-17	9/28/2012	Selenium	mg/L	0.025	Energy Laboratories	C12100001-001	10/16/2012	E200.8
Jane Dough	URZJF-17	9/28/2012	Uranium	mg/L	0.0456	Energy Laboratories	C12100001-001	10/16/2012	E200.8
Jane Dough	URZJF-17	9/28/2012	Vanadium	mg/L	ND	Energy Laboratories	C12100001-001	10/16/2012	E200.8
Jane Dough	URZJF-17	9/28/2012	Zinc	mg/L	0.02	Energy Laboratories	C12100001-001	10/16/2012	E200.8
Jane Dough	URZJF-17	9/28/2012	Chloride	mg/L	9	Energy Laboratories	C12100001-001	10/2/2012	E300.0
Jane Dough	URZJF-17	9/28/2012	Sulfate	mg/L	1190	Energy Laboratories	C12100001-001	10/2/2012	E300.0
Jane Dough	URZJF-17	9/28/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	0.5	Energy Laboratories	C12100001-001	10/3/2012	E353.2
Jane Dough	URZJF-17	9/28/2012	Gross Alpha	pCi/L	93.4	Energy Laboratories	C12100001-001	10/13/2012	E900.0
Jane Dough	URZJF-17	9/28/2012	Gross Alpha MDC	pCi/L	6.4	Energy Laboratories	C12100001-001	10/13/2012	E900.0
Jane Dough	URZJF-17	9/28/2012	Gross Alpha precision (±)	pCi/L	7.4	Energy Laboratories	C12100001-001	10/13/2012	E900.0
Jane Dough	URZJF-17	9/28/2012	Gross Beta	pCi/L	33.0	Energy Laboratories	C12100001-001	10/13/2012	E900.0
Jane Dough	URZJF-17	9/28/2012	Gross Beta MDC	pCi/L	8.3	Energy Laboratories	C12100001-001	10/13/2012	E900.0
Jane Dough	URZJF-17	9/28/2012	Gross Beta precision (±)	pCi/L	5.7	Energy Laboratories	C12100001-001	10/13/2012	E900.0
Jane Dough	URZJF-17	9/28/2012	Radium 226	pCi/L	3.4	Energy Laboratories	C12100001-001	10/15/2012	E903.0
Jane Dough	URZJF-17	9/28/2012	Radium 226 MDC	pCi/L	0.18	Energy Laboratories	C12100001-001	10/15/2012	E903.0
Jane Dough	URZJF-17	9/28/2012	Radium 226 precision (±)	pCi/L	0.39	Energy Laboratories	C12100001-001	10/15/2012	E903.0
Jane Dough	URZJF-17	9/28/2012	Radium 228	pCi/L	1.2	Energy Laboratories	C12100001-001	10/10/2012	RA-05
Jane Dough	URZJF-17	9/28/2012	Radium 228 MDC	pCi/L	1.4	Energy Laboratories	C12100001-001	10/10/2012	RA-05
Jane Dough	URZJF-17	9/28/2012	Radium 228 precision (±)	pCi/L	0.89	Energy Laboratories	C12100001-001	10/10/2012	RA-05
Jane Dough	URZJF-17	9/28/2012	Sodium Adsorption Ratio (SAR)	unitless	2.1	Energy Laboratories	C12100001-001	10/23/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJQ-24-1	7/20/2012	A/C Balance (± 5)	%	-2.66	Energy Laboratories	C12070736-001	7/27/2012	A1030 E
Jane Dough	URZJQ-24-1	7/20/2012	Anions	meq/L	56.6	Energy Laboratories	C12070736-001	7/27/2012	A1030 E
Jane Dough	URZJQ-24-1	7/20/2012	Cations	meq/L	53.7	Energy Laboratories	C12070736-001	7/27/2012	A1030 E
Jane Dough	URZJQ-24-1	7/20/2012	Solids, Total Dissolved Calculated	mg/L	3600	Energy Laboratories	C12070736-001	7/27/2012	A1030 E
Jane Dough	URZJQ-24-1	7/20/2012	TDS Balance (0.80 - 1.20)		1.04	Energy Laboratories	C12070736-001	7/27/2012	A1030 E
Jane Dough	URZJQ-24-1	7/20/2012	Bicarbonate as HCO3	mg/L	401	Energy Laboratories	C12070736-001	7/23/2012	A2320 B
Jane Dough	URZJQ-24-1	7/20/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12070736-001	7/23/2012	A2320 B
Jane Dough	URZJQ-24-1	7/20/2012	Conductivity @ 25 C	umhos/cm	3860	Energy Laboratories	C12070736-001	7/23/2012	A2510 B
Jane Dough	URZJQ-24-1	7/20/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	3770	Energy Laboratories	C12070736-001	7/24/2012	A2540 C
Jane Dough	URZJQ-24-1	7/20/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12070736-001	7/23/2012	A4500-F C
Jane Dough	URZJQ-24-1	7/20/2012	pH	s.u.	7.30	Energy Laboratories	C12070736-001	7/23/2012	A4500-H B
Jane Dough	URZJQ-24-1	7/20/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12070736-001	7/28/2012	A4500-NH3 G
Jane Dough	URZJQ-24-1	7/20/2012	Aluminum	mg/L	ND	Energy Laboratories	C12070736-001	7/24/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Barium	mg/L	ND	Energy Laboratories	C12070736-001	7/24/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Boron	mg/L	ND	Energy Laboratories	C12070736-001	7/24/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Cadmium	mg/L	ND	Energy Laboratories	C12070736-001	7/24/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Calcium	mg/L	481	Energy Laboratories	C12070736-001	7/24/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Calcium, SAR	meq/L	24.0	Energy Laboratories	C12070736-001	7/24/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Chromium	mg/L	ND	Energy Laboratories	C12070736-001	7/24/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Copper	mg/L	ND	Energy Laboratories	C12070736-001	7/24/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Iron	mg/L	ND	Energy Laboratories	C12070736-001	7/24/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Iron	mg/L	16.9	Energy Laboratories	C12070736-001	7/25/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Magnesium	mg/L	151	Energy Laboratories	C12070736-001	7/24/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Magnesium, SAR	meq/L	12.6	Energy Laboratories	C12070736-001	7/24/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Manganese	mg/L	0.19	Energy Laboratories	C12070736-001	7/24/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Manganese	mg/L	0.67	Energy Laboratories	C12070736-001	7/25/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12070736-001	7/24/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Nickel	mg/L	ND	Energy Laboratories	C12070736-001	7/24/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Potassium	mg/L	7	Energy Laboratories	C12070736-001	7/24/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Silica	mg/L	10.6	Energy Laboratories	C12070736-001	7/24/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Sodium	mg/L	393	Energy Laboratories	C12070736-001	7/24/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Sodium, SAR	meq/L	17.1	Energy Laboratories	C12070736-001	7/24/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Vanadium	mg/L	ND	Energy Laboratories	C12070736-001	7/24/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Zinc	mg/L	0.03	Energy Laboratories	C12070736-001	7/24/2012	E200.7
Jane Dough	URZJQ-24-1	7/20/2012	Arsenic	mg/L	ND	Energy Laboratories	C12070736-001	7/31/2012	E200.8
Jane Dough	URZJQ-24-1	7/20/2012	Lead	mg/L	ND	Energy Laboratories	C12070736-001	7/31/2012	E200.8
Jane Dough	URZJQ-24-1	7/20/2012	Mercury	mg/L	ND	Energy Laboratories	C12070736-001	7/31/2012	E200.8
Jane Dough	URZJQ-24-1	7/20/2012	Selenium	mg/L	0.003	Energy Laboratories	C12070736-001	7/31/2012	E200.8
Jane Dough	URZJQ-24-1	7/20/2012	Uranium	mg/L	0.107	Energy Laboratories	C12070736-001	7/31/2012	E200.8
Jane Dough	URZJQ-24-1	7/20/2012	Chloride	mg/L	22	Energy Laboratories	C12070736-001	7/24/2012	E300.0
Jane Dough	URZJQ-24-1	7/20/2012	Sulfate	mg/L	2370	Energy Laboratories	C12070736-001	7/24/2012	E300.0
Jane Dough	URZJQ-24-1	7/20/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	0.1	Energy Laboratories	C12070736-001	7/25/2012	E353.2
Jane Dough	URZJQ-24-1	7/20/2012	Gross Alpha	pCi/L	105	Energy Laboratories	C12070736-001	7/27/2012	E900.0
Jane Dough	URZJQ-24-1	7/20/2012	Gross Alpha MDC	pCi/L	16.1	Energy Laboratories	C12070736-001	7/27/2012	E900.0
Jane Dough	URZJQ-24-1	7/20/2012	Gross Alpha precision (±)	pCi/L	14.0	Energy Laboratories	C12070736-001	7/27/2012	E900.0
Jane Dough	URZJQ-24-1	7/20/2012	Gross Beta	pCi/L	8.3	Energy Laboratories	C12070736-001	7/27/2012	E900.0
Jane Dough	URZJQ-24-1	7/20/2012	Gross Beta MDC	pCi/L	24.2	Energy Laboratories	C12070736-001	7/27/2012	E900.0
Jane Dough	URZJQ-24-1	7/20/2012	Gross Beta precision (±)	pCi/L	14.7	Energy Laboratories	C12070736-001	7/27/2012	E900.0
Jane Dough	URZJQ-24-1	7/20/2012	Radium 226	pCi/L	1.3	Energy Laboratories	C12070736-001	8/8/2012	E903.0
Jane Dough	URZJQ-24-1	7/20/2012	Radium 226 MDC	pCi/L	0.17	Energy Laboratories	C12070736-001	8/8/2012	E903.0
Jane Dough	URZJQ-24-1	7/20/2012	Radium 226 precision (±)	pCi/L	0.25	Energy Laboratories	C12070736-001	8/8/2012	E903.0
Jane Dough	URZJQ-24-1	7/20/2012	Radium 228	pCi/L	-0.02	Energy Laboratories	C12070736-001	8/2/2012	RA-05
Jane Dough	URZJQ-24-1	7/20/2012	Radium 228 MDC	pCi/L	1.6	Energy Laboratories	C12070736-001	8/2/2012	RA-05
Jane Dough	URZJQ-24-1	7/20/2012	Radium 228 precision (±)	pCi/L	0.97	Energy Laboratories	C12070736-001	8/2/2012	RA-05
Jane Dough	URZJQ-24-1	7/20/2012	Sodium Adsorption Ratio (SAR)	unitless	4.0	Energy Laboratories	C12070736-001	7/24/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJQ-24-1	11/2/2012	A/C Balance (± 5)	%	-2.74	Energy Laboratories	C12110126-001	12/3/2012	A1030 E
Jane Dough	URZJQ-24-1	11/2/2012	Anions	meq/L	61.3	Energy Laboratories	C12110126-001	12/3/2012	A1030 E
Jane Dough	URZJQ-24-1	11/2/2012	Cations	meq/L	58.0	Energy Laboratories	C12110126-001	12/3/2012	A1030 E
Jane Dough	URZJQ-24-1	11/2/2012	Solids, Total Dissolved Calculated	mg/L	3900	Energy Laboratories	C12110126-001	12/3/2012	A1030 E
Jane Dough	URZJQ-24-1	11/2/2012	TDS Balance (0.80 - 1.20)		1.06	Energy Laboratories	C12110126-001	12/3/2012	A1030 E
Jane Dough	URZJQ-24-1	11/2/2012	Alkalinity, Total as CaCO3	mg/L	366	Energy Laboratories	C12110126-001	11/3/2012	A2320 B
Jane Dough	URZJQ-24-1	11/2/2012	Bicarbonate as HCO3	mg/L	446	Energy Laboratories	C12110126-001	11/3/2012	A2320 B
Jane Dough	URZJQ-24-1	11/2/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12110126-001	11/3/2012	A2320 B
Jane Dough	URZJQ-24-1	11/2/2012	Conductivity @ 25 C	umhos/cm	4230	Energy Laboratories	C12110126-001	11/5/2012	A2510 B
Jane Dough	URZJQ-24-1	11/2/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	4160	Energy Laboratories	C12110126-001	11/6/2012	A2540 C
Jane Dough	URZJQ-24-1	11/2/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12110126-001	11/5/2012	A4500-F C
Jane Dough	URZJQ-24-1	11/2/2012	pH	s.u.	7.25	Energy Laboratories	C12110126-001	11/5/2012	A4500-H B
Jane Dough	URZJQ-24-1	11/2/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12110126-001	11/6/2012	A4500-NH3 G
Jane Dough	URZJQ-24-1	11/2/2012	Aluminum	mg/L	ND	Energy Laboratories	C12110126-001	11/28/2012	E200.7
Jane Dough	URZJQ-24-1	11/2/2012	Barium	mg/L	ND	Energy Laboratories	C12110126-001	11/28/2012	E200.7
Jane Dough	URZJQ-24-1	11/2/2012	Boron	mg/L	ND	Energy Laboratories	C12110126-001	11/28/2012	E200.7
Jane Dough	URZJQ-24-1	11/2/2012	Calcium	mg/L	518	Energy Laboratories	C12110126-001	11/28/2012	E200.7
Jane Dough	URZJQ-24-1	11/2/2012	Calcium, SAR	meq/L	25.9	Energy Laboratories	C12110126-001	11/28/2012	E200.7
Jane Dough	URZJQ-24-1	11/2/2012	Chromium	mg/L	ND	Energy Laboratories	C12110126-001	11/28/2012	E200.7
Jane Dough	URZJQ-24-1	11/2/2012	Iron	mg/L	ND	Energy Laboratories	C12110126-001	11/28/2012	E200.7
Jane Dough	URZJQ-24-1	11/2/2012	Iron	mg/L	11.5	Energy Laboratories	C12110126-001	11/8/2012	E200.7
Jane Dough	URZJQ-24-1	11/2/2012	Magnesium	mg/L	163	Energy Laboratories	C12110126-001	11/28/2012	E200.7
Jane Dough	URZJQ-24-1	11/2/2012	Magnesium, SAR	meq/L	13.6	Energy Laboratories	C12110126-001	11/28/2012	E200.7
Jane Dough	URZJQ-24-1	11/2/2012	Manganese	mg/L	0.04	Energy Laboratories	C12110126-001	11/28/2012	E200.7
Jane Dough	URZJQ-24-1	11/2/2012	Manganese	mg/L	0.27	Energy Laboratories	C12110126-001	11/8/2012	E200.7
Jane Dough	URZJQ-24-1	11/2/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12110126-001	11/28/2012	E200.7
Jane Dough	URZJQ-24-1	11/2/2012	Nickel	mg/L	ND	Energy Laboratories	C12110126-001	11/28/2012	E200.7
Jane Dough	URZJQ-24-1	11/2/2012	Potassium	mg/L	7	Energy Laboratories	C12110126-001	11/28/2012	E200.7
Jane Dough	URZJQ-24-1	11/2/2012	Silica	mg/L	11.6	Energy Laboratories	C12110126-001	12/5/2012	E200.7
Jane Dough	URZJQ-24-1	11/2/2012	Sodium	mg/L	427	Energy Laboratories	C12110126-001	11/28/2012	E200.7
Jane Dough	URZJQ-24-1	11/2/2012	Sodium, SAR	meq/L	105	Energy Laboratories	C12110126-001	11/21/2012	E200.7
Jane Dough	URZJQ-24-1	11/2/2012	Vanadium	mg/L	ND	Energy Laboratories	C12110126-001	11/28/2012	E200.7
Jane Dough	URZJQ-24-1	11/2/2012	Arsenic	mg/L	ND	Energy Laboratories	C12110126-001	11/21/2012	E200.8
Jane Dough	URZJQ-24-1	11/2/2012	Cadmium	mg/L	ND	Energy Laboratories	C12110126-001	12/5/2012	E200.8
Jane Dough	URZJQ-24-1	11/2/2012	Copper	mg/L	ND	Energy Laboratories	C12110126-001	12/5/2012	E200.8
Jane Dough	URZJQ-24-1	11/2/2012	Lead	mg/L	ND	Energy Laboratories	C12110126-001	11/21/2012	E200.8
Jane Dough	URZJQ-24-1	11/2/2012	Mercury	mg/L	ND	Energy Laboratories	C12110126-001	11/21/2012	E200.8
Jane Dough	URZJQ-24-1	11/2/2012	Selenium	mg/L	ND	Energy Laboratories	C12110126-001	11/21/2012	E200.8
Jane Dough	URZJQ-24-1	11/2/2012	Uranium	mg/L	0.120	Energy Laboratories	C12110126-001	11/21/2012	E200.8
Jane Dough	URZJQ-24-1	11/2/2012	Zinc	mg/L	ND	Energy Laboratories	C12110126-001	11/21/2012	E200.8
Jane Dough	URZJQ-24-1	11/2/2012	Chloride	mg/L	27	Energy Laboratories	C12110126-001	11/7/2012	E300.0
Jane Dough	URZJQ-24-1	11/2/2012	Sulfate	mg/L	2560	Energy Laboratories	C12110126-001	11/7/2012	E300.0
Jane Dough	URZJQ-24-1	11/2/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12110126-001	11/5/2012	E353.2
Jane Dough	URZJQ-24-1	11/2/2012	Gross Alpha	pCi/L	102	Energy Laboratories	C12110126-001	11/28/2012	E900.0
Jane Dough	URZJQ-24-1	11/2/2012	Gross Alpha MDC	pCi/L	14.8	Energy Laboratories	C12110126-001	11/28/2012	E900.0
Jane Dough	URZJQ-24-1	11/2/2012	Gross Alpha precision (±)	pCi/L	12.8	Energy Laboratories	C12110126-001	11/28/2012	E900.0
Jane Dough	URZJQ-24-1	11/2/2012	Gross Beta	pCi/L	17.7	Energy Laboratories	C12110126-001	11/28/2012	E900.0
Jane Dough	URZJQ-24-1	11/2/2012	Gross Beta MDC	pCi/L	17.9	Energy Laboratories	C12110126-001	11/28/2012	E900.0
Jane Dough	URZJQ-24-1	11/2/2012	Gross Beta precision (±)	pCi/L	11.1	Energy Laboratories	C12110126-001	11/28/2012	E900.0
Jane Dough	URZJQ-24-1	11/2/2012	Radium 226	pCi/L	0.40	Energy Laboratories	C12110126-001	12/4/2012	E903.0
Jane Dough	URZJQ-24-1	11/2/2012	Radium 226 MDC	pCi/L	0.15	Energy Laboratories	C12110126-001	12/4/2012	E903.0
Jane Dough	URZJQ-24-1	11/2/2012	Radium 226 precision (±)	pCi/L	0.14	Energy Laboratories	C12110126-001	12/4/2012	E903.0
Jane Dough	URZJQ-24-1	11/2/2012	Radium 228	pCi/L	1.7	Energy Laboratories	C12110126-001	11/27/2012	RA-05
Jane Dough	URZJQ-24-1	11/2/2012	Radium 228 MDC	pCi/L	1.4	Energy Laboratories	C12110126-001	11/27/2012	RA-05
Jane Dough	URZJQ-24-1	11/2/2012	Radium 228 precision (±)	pCi/L	0.94	Energy Laboratories	C12110126-001	11/27/2012	RA-05
Jane Dough	URZJQ-24-1	11/2/2012	Sodium Adsorption Ratio (SAR)	unitless	10.2	Energy Laboratories	C12110126-001	11/26/2012	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Par_Section	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Da	Analytical_Method
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	F. Data Quality	A/C Balance (± 5)	%	-0.124	Energy Laboratories Casper	C13010170-001	1/14/2013	A1030 E
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	F. Data Quality	Anions	meq/L	4.90	Energy Laboratories Casper	C13010170-001	1/14/2013	A1030 E
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	F. Data Quality	Cations	meq/L	4.88	Energy Laboratories Casper	C13010170-001	1/14/2013	A1030 E
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	F. Data Quality	Solids, Total Dissolved Calculated	mg/L	290	Energy Laboratories Casper	C13010170-001	1/14/2013	A1030 E
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	F. Data Quality	TDS Balance (0.80 - 1.20)		0.960	Energy Laboratories Casper	C13010170-001	1/14/2013	A1030 E
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Alkalinity, Total as CaCO3	mg/L	172	Energy Laboratories Casper	C13010170-001	1/9/2013	A2320 B
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Bicarbonate as HCO3	mg/L	197	Energy Laboratories Casper	C13010170-001	1/9/2013	A2320 B
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Carbonate as CO3	mg/L	6	Energy Laboratories Casper	C13010170-001	1/9/2013	A2320 B
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	B. Physical Properties	Conductivity @ 25 C	umhos/cm	470	Energy Laboratories Casper	C13010170-001	1/8/2013	A2510 B
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	B. Physical Properties	Solids, Total Dissolved TDS @ 180 C	mg/L	281	Energy Laboratories Casper	C13010170-001	1/9/2013	A2540 C
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Fluoride	mg/L	0.4	Energy Laboratories Casper	C13010170-001	1/8/2013	A4500-F C
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	B. Physical Properties	pH	s.u.	8.69	Energy Laboratories Casper	C13010170-001	1/8/2013	A4500-H B
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/11/2013	A4500-NH3 G
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Aluminum	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Barium	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Cadmium	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Calcium	mg/L	6	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	B. Physical Properties	Calcium, SAR	meq/L	0.31	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Chromium	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Copper	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Iron	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	D. Metals - Total	Iron	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/10/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Magnesium	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	B. Physical Properties	Magnesium, SAR	meq/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Manganese	mg/L	0.02	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	D. Metals - Total	Manganese	mg/L	0.02	Energy Laboratories Casper	C13010170-001	1/10/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Molybdenum	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Nickel	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Potassium	mg/L	2	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Sodium	mg/L	103	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	B. Physical Properties	Sodium, SAR	meq/L	4.46	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Vanadium	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Zinc	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Arsenic	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/12/2013	E200.8
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Boron	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/12/2013	E200.8
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Lead	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/12/2013	E200.8
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Mercury	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/12/2013	E200.8
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Selenium	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/12/2013	E200.8
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Silica	mg/L	9.0	Energy Laboratories Casper	C13010170-001	1/12/2013	E200.8
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Uranium	mg/L	0.0020	Energy Laboratories Casper	C13010170-001	1/12/2013	E200.8
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Chloride	mg/L	5	Energy Laboratories Casper	C13010170-001	1/10/2013	E300.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Sulfate	mg/L	61	Energy Laboratories Casper	C13010170-001	1/10/2013	E300.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E353.2
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Gross Alpha	pCi/L	5.2	Energy Laboratories Casper	C13010170-001	1/14/2013	E900.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Gross Alpha MDC	pCi/L	1.8	Energy Laboratories Casper	C13010170-001	1/14/2013	E900.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Gross Alpha precision (±)	pCi/L	1.3	Energy Laboratories Casper	C13010170-001	1/14/2013	E900.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Gross Beta	pCi/L	0.6	Energy Laboratories Casper	C13010170-001	1/14/2013	E900.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Gross Beta MDC	pCi/L	2.6	Energy Laboratories Casper	C13010170-001	1/14/2013	E900.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Gross Beta precision (±)	pCi/L	1.5	Energy Laboratories Casper	C13010170-001	1/14/2013	E900.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Radium 226	pCi/L	0.26	Energy Laboratories Casper	C13010170-001	1/29/2013	E903.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Radium 226 MDC	pCi/L	0.15	Energy Laboratories Casper	C13010170-001	1/29/2013	E903.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Radium 226 precision (±)	pCi/L	0.13	Energy Laboratories Casper	C13010170-001	1/29/2013	E903.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Radium 228	pCi/L	1.2	Energy Laboratories Casper	C13010170-001	1/22/2013	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Par_Section	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Da	Analytical_Method
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Radium 228 MDC	pCi/L	0.98	Energy Laboratories Casper	C13010170-001	1/22/2013	RA-05
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Radium 228 precision (±)	pCi/L	0.65	Energy Laboratories Casper	C13010170-001	1/22/2013	RA-05
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	B. Physical Properties	Sodium Adsorption Ratio (SAR)	unitless	10.2	Energy Laboratories Casper	C13010170-001	2/1/2013	USDA20B
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	F. Data Quality	A/C Balance (± 5)	%	-0.716	Energy Laboratories Casper	C13010170-002	1/14/2013	A1030 E
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	F. Data Quality	Anions	meq/L	4.63	Energy Laboratories Casper	C13010170-002	1/14/2013	A1030 E
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	F. Data Quality	Cations	meq/L	4.56	Energy Laboratories Casper	C13010170-002	1/14/2013	A1030 E
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	F. Data Quality	Solids, Total Dissolved Calculated	mg/L	270	Energy Laboratories Casper	C13010170-002	1/14/2013	A1030 E
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	F. Data Quality	TDS Balance (0.80 - 1.20)		0.970	Energy Laboratories Casper	C13010170-002	1/14/2013	A1030 E
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Alkalinity, Total as CaCO3	mg/L	174	Energy Laboratories Casper	C13010170-002	1/9/2013	A2320 B
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Bicarbonate as HCO3	mg/L	201	Energy Laboratories Casper	C13010170-002	1/9/2013	A2320 B
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Carbonate as CO3	mg/L	6	Energy Laboratories Casper	C13010170-002	1/9/2013	A2320 B
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	B. Physical Properties	Conductivity @ 25 C	umhos/cm	438	Energy Laboratories Casper	C13010170-002	1/8/2013	A2510 B
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	B. Physical Properties	Solids, Total Dissolved TDS @ 180 C	mg/L	264	Energy Laboratories Casper	C13010170-002	1/9/2013	A2540 C
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Fluoride	mg/L	0.6	Energy Laboratories Casper	C13010170-002	1/8/2013	A4500-F C
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	B. Physical Properties	pH	s.u.	8.61	Energy Laboratories Casper	C13010170-002	1/8/2013	A4500-H B
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/11/2013	A4500-NH3 G
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Aluminum	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E200 7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Barium	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Cadmium	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Calcium	mg/L	6	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	B. Physical Properties	Calcium, SAR	meq/L	0.28	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Chromium	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Copper	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Iron	mg/L	0.04	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	D. Metals - Total	Iron	mg/L	0.17	Energy Laboratories Casper	C13010170-002	1/10/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Magnesium	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	B. Physical Properties	Magnesium, SAR	meq/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Manganese	mg/L	0.01	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	D. Metals - Total	Manganese	mg/L	0.01	Energy Laboratories Casper	C13010170-002	1/10/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Molybdenum	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Nickel	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Potassium	mg/L	2	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Sodium	mg/L	96	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	B. Physical Properties	Sodium, SAR	meq/L	4.19	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Vanadium	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Zinc	mg/L	0.02	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Arsenic	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/12/2013	E200.8
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Boron	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/12/2013	E200.8
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Lead	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/12/2013	E200.8
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Mercury	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/12/2013	E200.8
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Selenium	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/12/2013	E200.8
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Silica	mg/L	8.8	Energy Laboratories Casper	C13010170-002	1/12/2013	E200.8
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Uranium	mg/L	0.0046	Energy Laboratories Casper	C13010170-002	1/12/2013	E200.8
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Chloride	mg/L	4	Energy Laboratories Casper	C13010170-002	1/10/2013	E300.0
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Sulfate	mg/L	47	Energy Laboratories Casper	C13010170-002	1/10/2013	E300.0
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E353.2
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Gross Alpha	pCi/L	5.8	Energy Laboratories Casper	C13010170-002	1/14/2013	E900.0
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Gross Alpha MDC	pCi/L	1.6	Energy Laboratories Casper	C13010170-002	1/14/2013	E900.0
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Gross Alpha precision (±)	pCi/L	1.2	Energy Laboratories Casper	C13010170-002	1/14/2013	E900.0
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Gross Beta	pCi/L	-0.2	Energy Laboratories Casper	C13010170-002	1/14/2013	E900.0
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Gross Beta MDC	pCi/L	2.7	Energy Laboratories Casper	C13010170-002	1/14/2013	E900.0
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories Casper	C13010170-002	1/14/2013	E900.0
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Radium 226	pCi/L	0.20	Energy Laboratories Casper	C13010170-002	1/29/2013	E903.0

Mine_Name	Samp_Station_Name	Samp_Date	Par_Section	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Dat	Analytical_Method
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Radium 226 MDC	pCi/L	0.16	Energy Laboratories Casper	C13010170-002	1/29/2013	E903.0
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Radium 226 precision (±)	pCi/L	0.12	Energy Laboratories Casper	C13010170-002	1/29/2013	E903.0
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Radium 228	pCi/L	1.2	Energy Laboratories Casper	C13010170-002	1/22/2013	RA-05
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Radium 228 MDC	pCi/L	1.0	Energy Laboratories Casper	C13010170-002	1/22/2013	RA-05
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Radium 228 precision (±)	pCi/L	0.65	Energy Laboratories Casper	C13010170-002	1/22/2013	RA-05
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	B. Physical Properties	Sodium Adsorption Ratio (SAR)	unitless	10.3	Energy Laboratories Casper	C13010170-002	2/1/2013	USDA20B
Jane Dough ISR	URZJF-11	1/7/2013	F. Data Quality	A/C Balance (± 5)	%	3.71	Energy Laboratories Casper	C13010170-005	1/14/2013	A1030 E
Jane Dough ISR	URZJF-11	1/7/2013	F. Data Quality	Anions	meq/L	14.0	Energy Laboratories Casper	C13010170-005	1/14/2013	A1030 E
Jane Dough ISR	URZJF-11	1/7/2013	F. Data Quality	Cations	meq/L	15.1	Energy Laboratories Casper	C13010170-005	1/14/2013	A1030 E
Jane Dough ISR	URZJF-11	1/7/2013	F. Data Quality	Solids, Total Dissolved Calculated	mg/L	1000	Energy Laboratories Casper	C13010170-005	1/14/2013	A1030 E
Jane Dough ISR	URZJF-11	1/7/2013	F. Data Quality	TDS Balance (0.80 - 1.20)		1.00	Energy Laboratories Casper	C13010170-005	1/14/2013	A1030 E
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Alkalinity, Total as CaCO3	mg/L	44	Energy Laboratories Casper	C13010170-005	1/9/2013	A2320 B
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Bicarbonate as HCO3	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	A2320 B
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Carbonate as CO3	mg/L	18	Energy Laboratories Casper	C13010170-005	1/9/2013	A2320 B
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	Conductivity @ 25 C	umhos/cm	1590	Energy Laboratories Casper	C13010170-005	1/8/2013	A2510 B
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	Solids, Total Dissolved TDS @ 180 C	mg/L	1020	Energy Laboratories Casper	C13010170-005	1/9/2013	A2540 C
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Fluoride	mg/L	0.2	Energy Laboratories Casper	C13010170-005	1/8/2013	A4500-F C
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	pH	s.u.	11.1	Energy Laboratories Casper	C13010170-005	1/8/2013	A4500-H B
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Nitrogen, Ammonia as N	mg/L	0.10	Energy Laboratories Casper	C13010170-005	1/11/2013	A4500-NH3 G
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Aluminum	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Barium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Cadmium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Calcium	mg/L	74	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	Calcium, SAR	meq/L	3.72	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Chromium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Copper	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Iron	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	D. Metals - Total	Iron	mg/L	2.20	Energy Laboratories Casper	C13010170-005	1/10/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Magnesium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	Magnesium, SAR	meq/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Manganese	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	D. Metals - Total	Manganese	mg/L	0.02	Energy Laboratories Casper	C13010170-005	1/10/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Molybdenum	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Nickel	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Potassium	mg/L	42	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Sodium	mg/L	236	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	Sodium, SAR	meq/L	10.2	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Vanadium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Zinc	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Arsenic	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Boron	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Lead	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Mercury	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Selenium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Silica	mg/L	11.2	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Uranium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Chloride	mg/L	7	Energy Laboratories Casper	C13010170-005	1/10/2013	E300.0
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Sulfate	mg/L	621	Energy Laboratories Casper	C13010170-005	1/10/2013	E300.0
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E353.2
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Gross Alpha	pCi/L	1.8	Energy Laboratories Casper	C13010170-005	1/14/2013	E900.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Gross Alpha MDC	pCi/L	3.3	Energy Laboratories Casper	C13010170-005	1/14/2013	E900.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Gross Alpha precision (±)	pCi/L	2.1	Energy Laboratories Casper	C13010170-005	1/14/2013	E900.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Gross Beta	pCi/L	37.4	Energy Laboratories Casper	C13010170-005	1/14/2013	E900.0

Mine_Name	Samp_Station_Name	Samp_Date	Par_Section	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Dat	Analytical_Method
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Gross Beta MDC	pCi/L	4.6	Energy Laboratories Casper	C13010170-005	1/14/2013	E900.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Gross Beta precision (±)	pCi/L	3.4	Energy Laboratories Casper	C13010170-005	1/14/2013	E900.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Radium 226	pCi/L	0.54	Energy Laboratories Casper	C13010170-005	1/29/2013	E903.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Radium 226 MDC	pCi/L	0.15	Energy Laboratories Casper	C13010170-005	1/29/2013	E903.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Radium 226 precision (±)	pCi/L	0.16	Energy Laboratories Casper	C13010170-005	1/29/2013	E903.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Radium 228	pCi/L	3.1	Energy Laboratories Casper	C13010170-005	1/22/2013	RA-05
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Radium 228 MDC	pCi/L	0.92	Energy Laboratories Casper	C13010170-005	1/22/2013	RA-05
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Radium 228 precision (±)	pCi/L	0.70	Energy Laboratories Casper	C13010170-005	1/22/2013	RA-05
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	Sodium Adsorption Ratio (SAR)	unitless	7.5	Energy Laboratories Casper	C13010170-005	2/1/2013	USDA20B
Jane Dough ISR	URZJQ-24-1	1/7/2013	F. Data Quality	A/C Balance (± 5)	%	0.121	Energy Laboratories Casper	C13010170-003	1/14/2013	A1030 E
Jane Dough ISR	URZJQ-24-1	1/7/2013	F. Data Quality	Anions	meq/L	59.8	Energy Laboratories Casper	C13010170-003	1/14/2013	A1030 E
Jane Dough ISR	URZJQ-24-1	1/7/2013	F. Data Quality	Cations	meq/L	59.9	Energy Laboratories Casper	C13010170-003	1/14/2013	A1030 E
Jane Dough ISR	URZJQ-24-1	1/7/2013	F. Data Quality	Solids, Total Dissolved Calculated	mg/L	3900	Energy Laboratories Casper	C13010170-003	1/14/2013	A1030 E
Jane Dough ISR	URZJQ-24-1	1/7/2013	F. Data Quality	TDS Balance (0.80 - 1.20)		1.01	Energy Laboratories Casper	C13010170-003	1/14/2013	A1030 E
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Alkalinity, Total as CaCO3	mg/L	364	Energy Laboratories Casper	C13010170-003	1/9/2013	A2320 B
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Bicarbonate as HCO3	mg/L	444	Energy Laboratories Casper	C13010170-003	1/9/2013	A2320 B
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Carbonate as CO3	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	A2320 B
Jane Dough ISR	URZJQ-24-1	1/7/2013	B. Physical Properties	Conductivity @ 25 C	umhos/cm	4260	Energy Laboratories Casper	C13010170-003	1/8/2013	A2510 B
Jane Dough ISR	URZJQ-24-1	1/7/2013	B. Physical Properties	Solids, Total Dissolved TDS @ 180 C	mg/L	3920	Energy Laboratories Casper	C13010170-003	1/9/2013	A2540 C
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Fluoride	mg/L	0.2	Energy Laboratories Casper	C13010170-003	1/8/2013	A4500-F C
Jane Dough ISR	URZJQ-24-1	1/7/2013	B. Physical Properties	pH	s.u.	7.21	Energy Laboratories Casper	C13010170-003	1/8/2013	A4500-H B
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/11/2013	A4500-NH3 G
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Aluminum	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Barium	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Cadmium	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Calcium	mg/L	515	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	B. Physical Properties	Calcium, SAR	meq/L	25.8	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Chromium	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Copper	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Iron	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	D. Metals - Total	Iron	mg/L	21.5	Energy Laboratories Casper	C13010170-003	1/10/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Magnesium	mg/L	168	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	B. Physical Properties	Magnesium, SAR	meq/L	14.0	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Manganese	mg/L	0.07	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	D. Metals - Total	Manganese	mg/L	0.53	Energy Laboratories Casper	C13010170-003	1/10/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Molybdenum	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Nickel	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Potassium	mg/L	8	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Sodium	mg/L	464	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	B. Physical Properties	Sodium, SAR	meq/L	20.2	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Vanadium	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Arsenic	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Boron	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Lead	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Mercury	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Selenium	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Silica	mg/L	11.3	Energy Laboratories Casper	C13010170-003	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Uranium	mg/L	0.116	Energy Laboratories Casper	C13010170-003	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Zinc	mg/L	0.02	Energy Laboratories Casper	C13010170-003	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Chloride	mg/L	23	Energy Laboratories Casper	C13010170-003	1/10/2013	E300.0
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Sulfate	mg/L	2490	Energy Laboratories Casper	C13010170-003	1/10/2013	E300.0
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	E353.2
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Gross Alpha	pCi/L	126	Energy Laboratories Casper	C13010170-003	1/14/2013	E900.0

Mine_Name	Samp_Station_Name	Samp_Date	Par_Section	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Da	Analytical_Method
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Gross Alpha MDC	pCi/L	12.6	Energy Laboratories Casper	C13010170-003	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Gross Alpha precision (±)	pCi/L	12.7	Energy Laboratories Casper	C13010170-003	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Gross Beta	pCi/L	11.9	Energy Laboratories Casper	C13010170-003	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Gross Beta MDC	pCi/L	16.4	Energy Laboratories Casper	C13010170-003	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Gross Beta precision (±)	pCi/L	10.2	Energy Laboratories Casper	C13010170-003	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Radium 226	pCi/L	0.81	Energy Laboratories Casper	C13010170-003	1/29/2013	E903.0
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Radium 226 MDC	pCi/L	0.16	Energy Laboratories Casper	C13010170-003	1/29/2013	E903.0
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Radium 226 precision (±)	pCi/L	0.19	Energy Laboratories Casper	C13010170-003	1/29/2013	E903.0
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Radium 228	pCi/L	1.8	Energy Laboratories Casper	C13010170-003	1/22/2013	RA-05
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Radium 228 MDC	pCi/L	0.99	Energy Laboratories Casper	C13010170-003	1/22/2013	RA-05
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Radium 228 precision (±)	pCi/L	0.68	Energy Laboratories Casper	C13010170-003	1/22/2013	RA-05
Jane Dough ISR	URZJQ-24-1	1/7/2013	B. Physical Properties	Sodium Adsorption Ratio (SAR)	unitless	4.5	Energy Laboratories Casper	C13010170-003	2/1/2013	USDA20B
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	F. Data Quality	A/C Balance (± 5)	%	0.512	Energy Laboratories Casper	C13010170-004	1/14/2013	A1030 E
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	F. Data Quality	Anions	meq/L	59.4	Energy Laboratories Casper	C13010170-004	1/14/2013	A1030 E
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	F. Data Quality	Cations	meq/L	60.0	Energy Laboratories Casper	C13010170-004	1/14/2013	A1030 E
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	F. Data Quality	Solids, Total Dissolved Calculated	mg/L	3900	Energy Laboratories Casper	C13010170-004	1/14/2013	A1030 E
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	F. Data Quality	TDS Balance (0.80 - 1.20)		1.07	Energy Laboratories Casper	C13010170-004	1/14/2013	A1030 E
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Alkalinity, Total as CaCO3	mg/L	353	Energy Laboratories Casper	C13010170-004	1/9/2013	A2320 B
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Bicarbonate as HCO3	mg/L	430	Energy Laboratories Casper	C13010170-004	1/9/2013	A2320 B
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Carbonate as CO3	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/9/2013	A2320 B
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	B. Physical Properties	Conductivity @ 25 C	umhos/cm	4230	Energy Laboratories Casper	C13010170-004	1/8/2013	A2510 B
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	B. Physical Properties	Solids, Total Dissolved TDS @ 180 C	mg/L	4180	Energy Laboratories Casper	C13010170-004	1/9/2013	A2540 C
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Fluoride	mg/L	0 2	Energy Laboratories Casper	C13010170-004	1/8/2013	A4500-F C
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	B. Physical Properties	pH	s.u.	7.19	Energy Laboratories Casper	C13010170-004	1/8/2013	A4500-H B
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/11/2013	A4500-NH3 G
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Aluminum	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Barium	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Cadmium	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Calcium	mg/L	533	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	B. Physical Properties	Calcium, SAR	meq/L	26.6	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Chromium	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Copper	mg/L	0.01	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Iron	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	D. Metals - Total	Iron	mg/L	32.2	Energy Laboratories Casper	C13010170-004	1/10/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Magnesium	mg/L	168	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	B. Physical Properties	Magnesium, SAR	meq/L	14.0	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Manganese	mg/L	0.07	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	D. Metals - Total	Manganese	mg/L	0.78	Energy Laboratories Casper	C13010170-004	1/10/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Molybdenum	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Nickel	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Potassium	mg/L	8	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Sodium	mg/L	446	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	B. Physical Properties	Sodium, SAR	meq/L	19.4	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Vanadium	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Arsenic	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Boron	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Lead	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Mercury	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Selenium	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Silica	mg/L	10.6	Energy Laboratories Casper	C13010170-004	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Uranium	mg/L	0.109	Energy Laboratories Casper	C13010170-004	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Zinc	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Chloride	mg/L	22	Energy Laboratories Casper	C13010170-004	1/10/2013	E300.0

Mine_Name	Samp_Station_Name	Samp_Date	Par_Section	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Da	Analytical_Method
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Sulfate	mg/L	2480	Energy Laboratories Casper	C13010170-004	1/10/2013	E300.0
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/9/2013	E353.2
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Gross Alpha	pCi/L	132.	Energy Laboratories Casper	C13010170-004	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Gross Alpha MDC	pCi/L	13.2	Energy Laboratories Casper	C13010170-004	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Gross Alpha precision (±)	pCi/L	13.1	Energy Laboratories Casper	C13010170-004	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Gross Beta	pCi/L	15.4	Energy Laboratories Casper	C13010170-004	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Gross Beta MDC	pCi/L	16.8	Energy Laboratories Casper	C13010170-004	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Gross Beta precision (±)	pCi/L	10.5	Energy Laboratories Casper	C13010170-004	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Radium 226	pCi/L	0.83	Energy Laboratories Casper	C13010170-004	1/29/2013	E903.0
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Radium 226 MDC	pCi/L	0.15	Energy Laboratories Casper	C13010170-004	1/29/2013	E903.0
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Radium 226 precision (±)	pCi/L	0.19	Energy Laboratories Casper	C13010170-004	1/29/2013	E903.0
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Radium 228	pCi/L	1.6	Energy Laboratories Casper	C13010170-004	1/22/2013	RA-05
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Radium 228 MDC	pCi/L	0.96	Energy Laboratories Casper	C13010170-004	1/22/2013	RA-05
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Radium 228 precision (±)	pCi/L	0.65	Energy Laboratories Casper	C13010170-004	1/22/2013	RA-05
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	B. Physical Properties	Sodium Adsorption Ratio (SAR)	unitless	4.3	Energy Laboratories Casper	C13010170-004	2/1/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Par_Section	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Dat	Analytical_Method
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	F. Data Quality	A/C Balance (± 5)	%	-0.124	Energy Laboratories Casper	C13010170-001	1/14/2013	A1030 E
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	F. Data Quality	Anions	meq/L	4.90	Energy Laboratories Casper	C13010170-001	1/14/2013	A1030 E
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	F. Data Quality	Cations	meq/L	4.88	Energy Laboratories Casper	C13010170-001	1/14/2013	A1030 E
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	F. Data Quality	Solids, Total Dissolved Calculated	mg/L	290	Energy Laboratories Casper	C13010170-001	1/14/2013	A1030 E
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	F. Data Quality	TDS Balance (0.80 - 1.20)		0.960	Energy Laboratories Casper	C13010170-001	1/14/2013	A1030 E
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Alkalinity, Total as CaCO3	mg/L	172	Energy Laboratories Casper	C13010170-001	1/9/2013	A2320 B
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Bicarbonate as HCO3	mg/L	197	Energy Laboratories Casper	C13010170-001	1/9/2013	A2320 B
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Carbonate as CO3	mg/L	6	Energy Laboratories Casper	C13010170-001	1/9/2013	A2320 B
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	B. Physical Properties	Conductivity @ 25 C	umhos/cm	470	Energy Laboratories Casper	C13010170-001	1/8/2013	A2510 B
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	B. Physical Properties	Solids, Total Dissolved TDS @ 180 C	mg/L	281	Energy Laboratories Casper	C13010170-001	1/9/2013	A2540 C
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Fluoride	mg/L	0.4	Energy Laboratories Casper	C13010170-001	1/8/2013	A4500-F C
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	B. Physical Properties	pH	s.u.	8.69	Energy Laboratories Casper	C13010170-001	1/8/2013	A4500-H B
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/11/2013	A4500-NH3 G
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Aluminum	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Barium	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Cadmium	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Calcium	mg/L	6	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	B. Physical Properties	Calcium, SAR	meq/L	0.31	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Chromium	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Copper	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Iron	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	D. Metals - Total	Iron	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/10/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Magnesium	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	B. Physical Properties	Magnesium, SAR	meq/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Manganese	mg/L	0.02	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	D. Metals - Total	Manganese	mg/L	0.02	Energy Laboratories Casper	C13010170-001	1/10/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Molybdenum	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Nickel	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Potassium	mg/L	2	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Sodium	mg/L	103	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	B. Physical Properties	Sodium, SAR	meq/L	4.46	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Vanadium	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Zinc	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E200.7
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Arsenic	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/12/2013	E200.8
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Boron	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/12/2013	E200.8
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Lead	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/12/2013	E200.8
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Mercury	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/12/2013	E200.8
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Selenium	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/12/2013	E200.8
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Silica	mg/L	9.0	Energy Laboratories Casper	C13010170-001	1/12/2013	E200.8
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	C. Metals - Dissolved	Uranium	mg/L	0.0020	Energy Laboratories Casper	C13010170-001	1/12/2013	E200.8
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Chloride	mg/L	5	Energy Laboratories Casper	C13010170-001	1/10/2013	E300.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Sulfate	mg/L	61	Energy Laboratories Casper	C13010170-001	1/10/2013	E300.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	A. Major Ions	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories Casper	C13010170-001	1/9/2013	E353.2
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Gross Alpha	pCi/L	5.2	Energy Laboratories Casper	C13010170-001	1/14/2013	E900.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Gross Alpha MDC	pCi/L	1.8	Energy Laboratories Casper	C13010170-001	1/14/2013	E900.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Gross Alpha precision (±)	pCi/L	1.3	Energy Laboratories Casper	C13010170-001	1/14/2013	E900.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Gross Beta	pCi/L	0.6	Energy Laboratories Casper	C13010170-001	1/14/2013	E900.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Gross Beta MDC	pCi/L	2.6	Energy Laboratories Casper	C13010170-001	1/14/2013	E900.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Gross Beta precision (±)	pCi/L	1.5	Energy Laboratories Casper	C13010170-001	1/14/2013	E900.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Radium 226	pCi/L	0.26	Energy Laboratories Casper	C13010170-001	1/29/2013	E903.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Radium 226 MDC	pCi/L	0.15	Energy Laboratories Casper	C13010170-001	1/29/2013	E903.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Radium 226 precision (±)	pCi/L	0.13	Energy Laboratories Casper	C13010170-001	1/29/2013	E903.0
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Radium 228	pCi/L	1.2	Energy Laboratories Casper	C13010170-001	1/22/2013	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Par_Section	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Da	Analytical_Method
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Radium 228 MDC	pCi/L	0.98	Energy Laboratories Casper	C13010170-001	1/22/2013	RA-05
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	E. Radionuclides - Total	Radium 228 precision (±)	pCi/L	0.65	Energy Laboratories Casper	C13010170-001	1/22/2013	RA-05
Jane Dough ISR	Dry Fork Flowing #5 (DFF#5)	1/7/2013	B. Physical Properties	Sodium Adsorption Ratio (SAR)	unitless	10.2	Energy Laboratories Casper	C13010170-001	2/1/2013	USDA20B
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	F. Data Quality	A/C Balance (± 5)	%	-0.716	Energy Laboratories Casper	C13010170-002	1/14/2013	A1030 E
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	F. Data Quality	Anions	meq/L	4.63	Energy Laboratories Casper	C13010170-002	1/14/2013	A1030 E
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	F. Data Quality	Cations	meq/L	4 56	Energy Laboratories Casper	C13010170-002	1/14/2013	A1030 E
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	F. Data Quality	Solids, Total Dissolved Calculated	mg/L	270	Energy Laboratories Casper	C13010170-002	1/14/2013	A1030 E
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	F. Data Quality	TDS Balance (0.80 - 1.20)		0.970	Energy Laboratories Casper	C13010170-002	1/14/2013	A1030 E
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Alkalinity, Total as CaCO3	mg/L	174	Energy Laboratories Casper	C13010170-002	1/9/2013	A2320 B
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Bicarbonate as HCO3	mg/L	201	Energy Laboratories Casper	C13010170-002	1/9/2013	A2320 B
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Carbonate as CO3	mg/L	6	Energy Laboratories Casper	C13010170-002	1/9/2013	A2320 B
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	B. Physical Properties	Conductivity @ 25 C	umhos/cm	438	Energy Laboratories Casper	C13010170-002	1/8/2013	A2510 B
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	B. Physical Properties	Solids, Total Dissolved TDS @ 180 C	mg/L	264	Energy Laboratories Casper	C13010170-002	1/9/2013	A2540 C
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Fluoride	mg/L	0.6	Energy Laboratories Casper	C13010170-002	1/8/2013	A4500-F C
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	B. Physical Properties	pH	s u.	8.61	Energy Laboratories Casper	C13010170-002	1/8/2013	A4500-H B
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/11/2013	A4500-NH3 G
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Aluminum	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Barium	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Cadmium	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Calcium	mg/L	6	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	B. Physical Properties	Calcium, SAR	meq/L	0.28	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Chromium	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Copper	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Iron	mg/L	0.04	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	D. Metals - Total	Iron	mg/L	0.17	Energy Laboratories Casper	C13010170-002	1/10/2013	E200 7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Magnesium	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	B. Physical Properties	Magnesium, SAR	meq/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Manganese	mg/L	0.01	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	D. Metals - Total	Manganese	mg/L	0.01	Energy Laboratories Casper	C13010170-002	1/10/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Molybdenum	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Nickel	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Potassium	mg/L	2	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Sodium	mg/L	96	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	B. Physical Properties	Sodium, SAR	meq/L	4.19	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Vanadium	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Zinc	mg/L	0.02	Energy Laboratories Casper	C13010170-002	1/9/2013	E200.7
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Arsenic	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/12/2013	E200.8
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Boron	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/12/2013	E200.8
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Lead	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/12/2013	E200.8
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Mercury	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/12/2013	E200.8
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Selenium	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/12/2013	E200.8
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Silica	mg/L	8.8	Energy Laboratories Casper	C13010170-002	1/12/2013	E200 8
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	C. Metals - Dissolved	Uranium	mg/L	0.0046	Energy Laboratories Casper	C13010170-002	1/12/2013	E200.8
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Chloride	mg/L	4	Energy Laboratories Casper	C13010170-002	1/10/2013	E300.0
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Sulfate	mg/L	47	Energy Laboratories Casper	C13010170-002	1/10/2013	E300.0
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	A. Major Ions	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories Casper	C13010170-002	1/9/2013	E353.2
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Gross Alpha	pCi/L	5.8	Energy Laboratories Casper	C13010170-002	1/14/2013	E900.0
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Gross Alpha MDC	pCi/L	1.6	Energy Laboratories Casper	C13010170-002	1/14/2013	E900.0
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Gross Alpha precision (±)	pCi/L	1.2	Energy Laboratories Casper	C13010170-002	1/14/2013	E900.0
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Gross Beta	pCi/L	-0.2	Energy Laboratories Casper	C13010170-002	1/14/2013	E900.0
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Gross Beta MDC	pCi/L	2.7	Energy Laboratories Casper	C13010170-002	1/14/2013	E900.0
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Gross Beta precision (±)	pCi/L	1.6	Energy Laboratories Casper	C13010170-002	1/14/2013	E900.0
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Radium 226	pCi/L	0.20	Energy Laboratories Casper	C13010170-002	1/29/2013	E903.0

Mine_Name	Samp_Station_Name	Samp_Date	Par_Section	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Da	Analytical_Method
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Radium 226 MDC	pCi/L	0.16	Energy Laboratories Casper	C13010170-002	1/29/2013	E903.0
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Radium 226 precision (±)	pCi/L	0.12	Energy Laboratories Casper	C13010170-002	1/29/2013	E903.0
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Radium 228	pCi/L	1.2	Energy Laboratories Casper	C13010170-002	1/22/2013	RA-05
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Radium 228 MDC	pCi/L	1.0	Energy Laboratories Casper	C13010170-002	1/22/2013	RA-05
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	E. Radionuclides - Total	Radium 228 precision (±)	pCi/L	0.65	Energy Laboratories Casper	C13010170-002	1/22/2013	RA-05
Jane Dough ISR	Seventeen Mile #1 (17 Mile #1)	1/7/2013	B. Physical Properties	Sodium Adsorption Ratio (SAR)	unitless	10.3	Energy Laboratories Casper	C13010170-002	2/1/2013	USDA20B
Jane Dough ISR	URZJF-11	1/7/2013	F. Data Quality	A/C Balance (± 5)	%	3.71	Energy Laboratories Casper	C13010170-005	1/14/2013	A1030 E
Jane Dough ISR	URZJF-11	1/7/2013	F. Data Quality	Anions	meq/L	14.0	Energy Laboratories Casper	C13010170-005	1/14/2013	A1030 E
Jane Dough ISR	URZJF-11	1/7/2013	F. Data Quality	Cations	meq/L	15.1	Energy Laboratories Casper	C13010170-005	1/14/2013	A1030 E
Jane Dough ISR	URZJF-11	1/7/2013	F. Data Quality	Solids, Total Dissolved Calculated	mg/L	1000	Energy Laboratories Casper	C13010170-005	1/14/2013	A1030 E
Jane Dough ISR	URZJF-11	1/7/2013	F. Data Quality	TDS Balance (0.80 - 1.20)		1.00	Energy Laboratories Casper	C13010170-005	1/14/2013	A1030 E
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Alkalinity, Total as CaCO3	mg/L	44	Energy Laboratories Casper	C13010170-005	1/9/2013	A2320 B
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Bicarbonate as HCO3	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	A2320 B
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Carbonate as CO3	mg/L	18	Energy Laboratories Casper	C13010170-005	1/9/2013	A2320 B
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	Conductivity @ 25 C	umhos/cm	1590	Energy Laboratories Casper	C13010170-005	1/8/2013	A2510 B
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	Solids, Total Dissolved TDS @ 180 C	mg/L	1020	Energy Laboratories Casper	C13010170-005	1/9/2013	A2540 C
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Fluoride	mg/L	0.2	Energy Laboratories Casper	C13010170-005	1/8/2013	A4500-F C
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	pH	s.u.	11.1	Energy Laboratories Casper	C13010170-005	1/8/2013	A4500-H B
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Nitrogen, Ammonia as N	mg/L	0.10	Energy Laboratories Casper	C13010170-005	1/11/2013	A4500-NH3 G
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Aluminum	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Barium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Cadmium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Calcium	mg/L	74	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	Calcium, SAR	meq/L	3.72	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Chromium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Copper	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Iron	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	D. Metals - Total	Iron	mg/L	2.20	Energy Laboratories Casper	C13010170-005	1/10/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Magnesium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	Magnesium, SAR	meq/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Manganese	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	D. Metals - Total	Manganese	mg/L	0.02	Energy Laboratories Casper	C13010170-005	1/10/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Molybdenum	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Nickel	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Potassium	mg/L	42	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Sodium	mg/L	236	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	Sodium, SAR	meq/L	10.2	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Vanadium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Zinc	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E200.7
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Arsenic	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Boron	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Lead	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Mercury	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Selenium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Silica	mg/L	11.2	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	C. Metals - Dissolved	Uranium	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/12/2013	E200.8
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Chloride	mg/L	7	Energy Laboratories Casper	C13010170-005	1/10/2013	E300.0
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Sulfate	mg/L	621	Energy Laboratories Casper	C13010170-005	1/10/2013	E300.0
Jane Dough ISR	URZJF-11	1/7/2013	A. Major Ions	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories Casper	C13010170-005	1/9/2013	E353.2
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Gross Alpha	pCi/L	1.8	Energy Laboratories Casper	C13010170-005	1/14/2013	E900.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Gross Alpha MDC	pCi/L	3.3	Energy Laboratories Casper	C13010170-005	1/14/2013	E900.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Gross Alpha precision (±)	pCi/L	2.1	Energy Laboratories Casper	C13010170-005	1/14/2013	E900.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Gross Beta	pCi/L	37.4	Energy Laboratories Casper	C13010170-005	1/14/2013	E900.0

Mine_Name	Samp_Station_Name	Samp_Date	Par_Section	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Da	Analytical_Method
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Gross Beta MDC	pCi/L	4.6	Energy Laboratories Casper	C13010170-005	1/14/2013	E900.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Gross Beta precision (±)	pCi/L	3.4	Energy Laboratories Casper	C13010170-005	1/14/2013	E900.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Radium 226	pCi/L	0.54	Energy Laboratories Casper	C13010170-005	1/29/2013	E903.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Radium 226 MDC	pCi/L	0.15	Energy Laboratories Casper	C13010170-005	1/29/2013	E903.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Radium 226 precision (±)	pCi/L	0.16	Energy Laboratories Casper	C13010170-005	1/29/2013	E903.0
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Radium 228	pCi/L	3.1	Energy Laboratories Casper	C13010170-005	1/22/2013	RA-05
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Radium 228 MDC	pCi/L	0.92	Energy Laboratories Casper	C13010170-005	1/22/2013	RA-05
Jane Dough ISR	URZJF-11	1/7/2013	E. Radionuclides - Total	Radium 228 precision (±)	pCi/L	0.70	Energy Laboratories Casper	C13010170-005	1/22/2013	RA-05
Jane Dough ISR	URZJF-11	1/7/2013	B. Physical Properties	Sodium Adsorption Ratio (SAR)	unitless	7.5	Energy Laboratories Casper	C13010170-005	2/1/2013	USDA20B
Jane Dough ISR	URZJQ-24-1	1/7/2013	F. Data Quality	A/C Balance (± 5)	%	0.121	Energy Laboratories Casper	C13010170-003	1/14/2013	A1030 E
Jane Dough ISR	URZJQ-24-1	1/7/2013	F. Data Quality	Anions	meq/L	59.8	Energy Laboratories Casper	C13010170-003	1/14/2013	A1030 E
Jane Dough ISR	URZJQ-24-1	1/7/2013	F. Data Quality	Cations	meq/L	59.9	Energy Laboratories Casper	C13010170-003	1/14/2013	A1030 E
Jane Dough ISR	URZJQ-24-1	1/7/2013	F. Data Quality	Solids, Total Dissolved Calculated	mg/L	3900	Energy Laboratories Casper	C13010170-003	1/14/2013	A1030 E
Jane Dough ISR	URZJQ-24-1	1/7/2013	F. Data Quality	TDS Balance (0.80 - 1.20)		1.01	Energy Laboratories Casper	C13010170-003	1/14/2013	A1030 E
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Alkalinity, Total as CaCO3	mg/L	364	Energy Laboratories Casper	C13010170-003	1/9/2013	A2320 B
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Bicarbonate as HCO3	mg/L	444	Energy Laboratories Casper	C13010170-003	1/9/2013	A2320 B
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Carbonate as CO3	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	A2320 B
Jane Dough ISR	URZJQ-24-1	1/7/2013	B. Physical Properties	Conductivity @ 25 C	umhos/cm	4260	Energy Laboratories Casper	C13010170-003	1/8/2013	A2510 B
Jane Dough ISR	URZJQ-24-1	1/7/2013	B. Physical Properties	Solids, Total Dissolved TDS @ 180 C	mg/L	3920	Energy Laboratories Casper	C13010170-003	1/9/2013	A2540 C
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Fluoride	mg/L	0.2	Energy Laboratories Casper	C13010170-003	1/8/2013	A4500-F C
Jane Dough ISR	URZJQ-24-1	1/7/2013	B. Physical Properties	pH	s.u.	7.21	Energy Laboratories Casper	C13010170-003	1/8/2013	A4500-H B
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/11/2013	A4500-NH3 G
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Aluminum	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Barium	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Cadmium	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Calcium	mg/L	515	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	B. Physical Properties	Calcium, SAR	meq/L	25.8	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Chromium	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Copper	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Iron	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	D. Metals - Total	Iron	mg/L	21.5	Energy Laboratories Casper	C13010170-003	1/10/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Magnesium	mg/L	168	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	B. Physical Properties	Magnesium, SAR	meq/L	14.0	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Manganese	mg/L	0.07	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	D. Metals - Total	Manganese	mg/L	0.53	Energy Laboratories Casper	C13010170-003	1/10/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Molybdenum	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Nickel	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Potassium	mg/L	8	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Sodium	mg/L	464	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	B. Physical Properties	Sodium, SAR	meq/L	20.2	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Vanadium	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Arsenic	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Boron	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Lead	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Mercury	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Selenium	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Silica	mg/L	11.3	Energy Laboratories Casper	C13010170-003	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Uranium	mg/L	0.116	Energy Laboratories Casper	C13010170-003	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1	1/7/2013	C. Metals - Dissolved	Zinc	mg/L	0.02	Energy Laboratories Casper	C13010170-003	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Chloride	mg/L	23	Energy Laboratories Casper	C13010170-003	1/10/2013	E300.0
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Sulfate	mg/L	2490	Energy Laboratories Casper	C13010170-003	1/10/2013	E300.0
Jane Dough ISR	URZJQ-24-1	1/7/2013	A. Major Ions	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories Casper	C13010170-003	1/9/2013	E353.2
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Gross Alpha	pCi/L	126	Energy Laboratories Casper	C13010170-003	1/14/2013	E900.0

Mine_Name	Samp_Station_Name	Samp_Date	Par_Section	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Dat	Analytical_Method
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Gross Alpha MDC	pCi/L	12.6	Energy Laboratories Casper	C13010170-003	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Gross Alpha precision (±)	pCi/L	12.7	Energy Laboratories Casper	C13010170-003	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Gross Beta	pCi/L	11.9	Energy Laboratories Casper	C13010170-003	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Gross Beta MDC	pCi/L	16.4	Energy Laboratories Casper	C13010170-003	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Gross Beta precision (±)	pCi/L	10.2	Energy Laboratories Casper	C13010170-003	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Radium 226	pCi/L	0.81	Energy Laboratories Casper	C13010170-003	1/29/2013	E903.0
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Radium 226 MDC	pCi/L	0.16	Energy Laboratories Casper	C13010170-003	1/29/2013	E903.0
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Radium 226 precision (±)	pCi/L	0.19	Energy Laboratories Casper	C13010170-003	1/29/2013	E903.0
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Radium 228	pCi/L	1.8	Energy Laboratories Casper	C13010170-003	1/22/2013	RA-05
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Radium 228 MDC	pCi/L	0.99	Energy Laboratories Casper	C13010170-003	1/22/2013	RA-05
Jane Dough ISR	URZJQ-24-1	1/7/2013	E. Radionuclides - Total	Radium 228 precision (±)	pCi/L	0.68	Energy Laboratories Casper	C13010170-003	1/22/2013	RA-05
Jane Dough ISR	URZJQ-24-1	1/7/2013	B. Physical Properties	Sodium Adsorption Ratio (SAR)	unitless	4.5	Energy Laboratories Casper	C13010170-003	2/1/2013	USDA20B
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	F. Data Quality	A/C Balance (± 5)	%	0.512	Energy Laboratories Casper	C13010170-004	1/14/2013	A1030 E
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	F. Data Quality	Anions	meq/L	59.4	Energy Laboratories Casper	C13010170-004	1/14/2013	A1030 E
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	F. Data Quality	Cations	meq/L	60.0	Energy Laboratories Casper	C13010170-004	1/14/2013	A1030 E
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	F. Data Quality	Solids, Total Dissolved Calculated	mg/L	3900	Energy Laboratories Casper	C13010170-004	1/14/2013	A1030 E
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	F. Data Quality	TDS Balance (0.80 - 1.20)		1.07	Energy Laboratories Casper	C13010170-004	1/14/2013	A1030 E
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Alkalinity, Total as CaCO3	mg/L	353	Energy Laboratories Casper	C13010170-004	1/9/2013	A2320 B
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Bicarbonate as HCO3	mg/L	430	Energy Laboratories Casper	C13010170-004	1/9/2013	A2320 B
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Carbonate as CO3	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/9/2013	A2320 B
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	B. Physical Properties	Conductivity @ 25 C	umhos/cm	4230	Energy Laboratories Casper	C13010170-004	1/8/2013	A2510 B
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	B. Physical Properties	Solids, Total Dissolved TDS @ 180 C	mg/L	4180	Energy Laboratories Casper	C13010170-004	1/9/2013	A2540 C
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Fluoride	mg/L	0.2	Energy Laboratories Casper	C13010170-004	1/8/2013	A4500-F C
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	B. Physical Properties	pH	s.u.	7.19	Energy Laboratories Casper	C13010170-004	1/8/2013	A4500-H B
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/11/2013	A4500-NH3 G
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Aluminum	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Barium	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Cadmium	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Calcium	mg/L	533	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	B. Physical Properties	Calcium, SAR	meq/L	26.6	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Chromium	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Copper	mg/L	0.01	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Iron	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	D. Metals - Total	Iron	mg/L	32.2	Energy Laboratories Casper	C13010170-004	1/10/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Magnesium	mg/L	168	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	B. Physical Properties	Magnesium, SAR	meq/L	14.0	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Manganese	mg/L	0.07	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	D. Metals - Total	Manganese	mg/L	0.78	Energy Laboratories Casper	C13010170-004	1/10/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Molybdenum	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Nickel	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Potassium	mg/L	8	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Sodium	mg/L	446	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	B. Physical Properties	Sodium, SAR	meq/L	19.4	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Vanadium	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/9/2013	E200.7
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Arsenic	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Boron	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Lead	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Mercury	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Selenium	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Silica	mg/L	10.6	Energy Laboratories Casper	C13010170-004	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Uranium	mg/L	0.109	Energy Laboratories Casper	C13010170-004	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	C. Metals - Dissolved	Zinc	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/12/2013	E200.8
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Chloride	mg/L	22	Energy Laboratories Casper	C13010170-004	1/10/2013	E300.0

Mine_Name	Samp_Station_Name	Samp_Date	Par_Section	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Dat	Analytical_Method
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Sulfate	mg/L	2480	Energy Laboratories Casper	C13010170-004	1/10/2013	E300.0
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	A. Major Ions	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories Casper	C13010170-004	1/9/2013	E353.2
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Gross Alpha	pCi/L	132	Energy Laboratories Casper	C13010170-004	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Gross Alpha MDC	pCi/L	13.2	Energy Laboratories Casper	C13010170-004	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Gross Alpha precision (±)	pCi/L	13.1	Energy Laboratories Casper	C13010170-004	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Gross Beta	pCi/L	15.4	Energy Laboratories Casper	C13010170-004	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Gross Beta MDC	pCi/L	16.8	Energy Laboratories Casper	C13010170-004	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Gross Beta precision (±)	pCi/L	10.5	Energy Laboratories Casper	C13010170-004	1/14/2013	E900.0
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Radium 226	pCi/L	0.83	Energy Laboratories Casper	C13010170-004	1/29/2013	E903.0
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Radium 226 MDC	pCi/L	0.15	Energy Laboratories Casper	C13010170-004	1/29/2013	E903.0
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Radium 226 precision (±)	pCi/L	0.19	Energy Laboratories Casper	C13010170-004	1/29/2013	E903.0
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Radium 228	pCi/L	1.6	Energy Laboratories Casper	C13010170-004	1/22/2013	RA-05
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Radium 228 MDC	pCi/L	0.96	Energy Laboratories Casper	C13010170-004	1/22/2013	RA-05
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	E. Radionuclides - Total	Radium 228 precision (±)	pCi/L	0.65	Energy Laboratories Casper	C13010170-004	1/22/2013	RA-05
Jane Dough ISR	URZJQ-24-1 (A)	1/7/2013	B. Physical Properties	Sodium Adsorption Ratio (SAR)	unitless	4.3	Energy Laboratories Casper	C13010170-004	2/1/2013	USDA20B

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJQ-24-1	6/12/2013	A/C Balance (± 5)	%	-1.70	Energy Laboratories	C13060503-001	6/21/2013	A1030 E
Jane Dough	URZJQ-24-1	6/12/2013	Anions	meq/L	55.2	Energy Laboratories	C13060503-001	6/21/2013	A1030 E
Jane Dough	URZJQ-24-1	6/12/2013	Cations	meq/L	53.3	Energy Laboratories	C13060503-001	6/21/2013	A1030 E
Jane Dough	URZJQ-24-1	6/12/2013	Solids, Total Dissolved Calculated	mg/L	3600	Energy Laboratories	C13060503-001	6/21/2013	A1030 E
Jane Dough	URZJQ-24-1	6/12/2013	TDS Balance (0.80 - 1.20)		1.09	Energy Laboratories	C13060503-001	6/21/2013	A1030 E
Jane Dough	URZJQ-24-1	6/12/2013	Alkalinity, Total as CaCO3	mg/L	344	Energy Laboratories	C13060503-001	6/14/2013	A2320 B
Jane Dough	URZJQ-24-1	6/12/2013	Bicarbonate as HCO3	mg/L	420	Energy Laboratories	C13060503-001	6/14/2013	A2320 B
Jane Dough	URZJQ-24-1	6/12/2013	Carbonate as CO3	mg/L	ND	Energy Laboratories	C13060503-001	6/14/2013	A2320 B
Jane Dough	URZJQ-24-1	6/12/2013	Conductivity @ 25 C	umhos/cm	4010	Energy Laboratories	C13060503-001	6/14/2013	A2510 B
Jane Dough	URZJQ-24-1	6/12/2013	Solids, Total Dissolved TDS @ 180 C	mg/L	3880	Energy Laboratories	C13060503-001	6/17/2013	A2540 C
Jane Dough	URZJQ-24-1	6/12/2013	Fluoride	mg/L	0.2	Energy Laboratories	C13060503-001	6/14/2013	A4500-F C
Jane Dough	URZJQ-24-1	6/12/2013	pH	s.u.	7.2	Energy Laboratories	C13060503-001	6/14/2013	A4500-H B
Jane Dough	URZJQ-24-1	6/12/2013	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C13060503-001	6/24/2013	A4500-NH3 G
Jane Dough	URZJQ-24-1	6/12/2013	Aluminum	mg/L	ND	Energy Laboratories	C13060503-001	6/18/2013	E200.7
Jane Dough	URZJQ-24-1	6/12/2013	Barium	mg/L	ND	Energy Laboratories	C13060503-001	6/18/2013	E200.7
Jane Dough	URZJQ-24-1	6/12/2013	Boron	mg/L	ND	Energy Laboratories	C13060503-001	6/18/2013	E200.7
Jane Dough	URZJQ-24-1	6/12/2013	Cadmium	mg/L	ND	Energy Laboratories	C13060503-001	6/18/2013	E200.7
Jane Dough	URZJQ-24-1	6/12/2013	Calcium	mg/L	477	Energy Laboratories	C13060503-001	6/18/2013	E200.7
Jane Dough	URZJQ-24-1	6/12/2013	Chromium	mg/L	ND	Energy Laboratories	C13060503-001	6/18/2013	E200.7
Jane Dough	URZJQ-24-1	6/12/2013	Iron	mg/L	ND	Energy Laboratories	C13060503-001	6/18/2013	E200.7
Jane Dough	URZJQ-24-1	6/12/2013	Iron	mg/L	12.1	Energy Laboratories	C13060503-001	6/20/2013	E200.7
Jane Dough	URZJQ-24-1	6/12/2013	Magnesium	mg/L	148	Energy Laboratories	C13060503-001	6/18/2013	E200.7
Jane Dough	URZJQ-24-1	6/12/2013	Manganese	mg/L	0.04	Energy Laboratories	C13060503-001	6/18/2013	E200.7
Jane Dough	URZJQ-24-1	6/12/2013	Molybdenum	mg/L	ND	Energy Laboratories	C13060503-001	6/18/2013	E200.7
Jane Dough	URZJQ-24-1	6/12/2013	Nickel	mg/L	ND	Energy Laboratories	C13060503-001	6/18/2013	E200.7
Jane Dough	URZJQ-24-1	6/12/2013	Potassium	mg/L	7	Energy Laboratories	C13060503-001	6/18/2013	E200.7
Jane Dough	URZJQ-24-1	6/12/2013	Silica	mg/L	9.7	Energy Laboratories	C13060503-001	6/18/2013	E200.7
Jane Dough	URZJQ-24-1	6/12/2013	Sodium	mg/L	396	Energy Laboratories	C13060503-001	6/18/2013	E200.7
Jane Dough	URZJQ-24-1	6/12/2013	Vanadium	mg/L	ND	Energy Laboratories	C13060503-001	6/18/2013	E200.7
Jane Dough	URZJQ-24-1	6/12/2013	Zinc	mg/L	0.03	Energy Laboratories	C13060503-001	6/18/2013	E200.7
Jane Dough	URZJQ-24-1	6/12/2013	Arsenic	mg/L	ND	Energy Laboratories	C13060503-001	7/3/2013	E200.8
Jane Dough	URZJQ-24-1	6/12/2013	Copper	mg/L	ND	Energy Laboratories	C13060503-001	7/3/2013	E200.8
Jane Dough	URZJQ-24-1	6/12/2013	Lead	mg/L	ND	Energy Laboratories	C13060503-001	7/3/2013	E200.8
Jane Dough	URZJQ-24-1	6/12/2013	Manganese	mg/L	0.33	Energy Laboratories	C13060503-001	6/20/2013	E200.8
Jane Dough	URZJQ-24-1	6/12/2013	Mercury	mg/L	ND	Energy Laboratories	C13060503-001	7/3/2013	E200.8
Jane Dough	URZJQ-24-1	6/12/2013	Selenium	mg/L	ND	Energy Laboratories	C13060503-001	7/3/2013	E200.8
Jane Dough	URZJQ-24-1	6/12/2013	Uranium	mg/L	0.107	Energy Laboratories	C13060503-001	7/3/2013	E200.8
Jane Dough	URZJQ-24-1	6/12/2013	Chloride	mg/L	20	Energy Laboratories	C13060503-001	6/17/2013	E300.0
Jane Dough	URZJQ-24-1	6/12/2013	Sulfate	mg/L	2290	Energy Laboratories	C13060503-001	6/17/2013	E300.0
Jane Dough	URZJQ-24-1	6/12/2013	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C13060503-001	6/14/2013	E353.2
Jane Dough	URZJQ-24-1	6/12/2013	Gross Alpha	pCi/L	117	Energy Laboratories	C13060503-001	6/28/2013	E900.0
Jane Dough	URZJQ-24-1	6/12/2013	Gross Alpha MDC	pCi/L	14.0	Energy Laboratories	C13060503-001	6/28/2013	E900.0
Jane Dough	URZJQ-24-1	6/12/2013	Gross Alpha precision (±)	pCi/L	13.0	Energy Laboratories	C13060503-001	6/28/2013	E900.0
Jane Dough	URZJQ-24-1	6/12/2013	Gross Beta	pCi/L	14.8	Energy Laboratories	C13060503-001	6/28/2013	E900.0
Jane Dough	URZJQ-24-1	6/12/2013	Gross Beta MDC	pCi/L	17.5	Energy Laboratories	C13060503-001	6/28/2013	E900.0
Jane Dough	URZJQ-24-1	6/12/2013	Gross Beta precision (±)	pCi/L	10.9	Energy Laboratories	C13060503-001	6/28/2013	E900.0
Jane Dough	URZJQ-24-1	6/12/2013	Radium 226	pCi/L	0.73	Energy Laboratories	C13060503-001	7/3/2013	E903.0
Jane Dough	URZJQ-24-1	6/12/2013	Radium 226 MDC	pCi/L	0.22	Energy Laboratories	C13060503-001	7/3/2013	E903.0
Jane Dough	URZJQ-24-1	6/12/2013	Radium 226 precision (±)	pCi/L	0.22	Energy Laboratories	C13060503-001	7/3/2013	E903.0
Jane Dough	URZJQ-24-1	6/12/2013	Radium 228	pCi/L	1.4	Energy Laboratories	C13060503-001	6/27/2013	RA-05
Jane Dough	URZJQ-24-1	6/12/2013	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C13060503-001	6/27/2013	RA-05
Jane Dough	URZJQ-24-1	6/12/2013	Radium 228 precision (±)	pCi/L	0.76	Energy Laboratories	C13060503-001	6/27/2013	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJQ-25	12/28/2010	A/C Balance (± 5)	%	-2.94	Energy Laboratories	C10120855-001A	12/28/2010	Calculation
Jane Dough	URZJQ-25	12/28/2010	Anions	meq/L	42.0	Energy Laboratories	C10120855-001A	12/28/2010	Calculation
Jane Dough	URZJQ-25	12/28/2010	Bicarbonate as HCO3	mg/L	341	Energy Laboratories	C10120855-001A	12/28/2010	A2320 B
Jane Dough	URZJQ-25	12/28/2010	Carbonate as CO3	mg/L	<5	Energy Laboratories	C10120855-001A	12/28/2010	A2320 B
Jane Dough	URZJQ-25	12/28/2010	Cations	meq/L	39.6	Energy Laboratories	C10120855-001A	12/28/2010	Calculation
Jane Dough	URZJQ-25	12/28/2010	Chloride	mg/L	13	Energy Laboratories	C10120855-001A	12/28/2010	E300.0
Jane Dough	URZJQ-25	12/28/2010	Conductivity @ 25 C	umhos/cm	3090	Energy Laboratories	C10120855-001A	12/28/2010	A2510 B
Jane Dough	URZJQ-25	12/28/2010	Fluoride	mg/L	0.3	Energy Laboratories	C10120855-001A	12/28/2010	A4500-F C
Jane Dough	URZJQ-25	12/28/2010	pH	s.u.	7.69	Energy Laboratories	C10120855-001A	12/28/2010	A4500-H B
Jane Dough	URZJQ-25	12/28/2010	Solids, Total Dissolved Calculated	mg/L	2690	Energy Laboratories	C10120855-001A	12/28/2010	Calculation
Jane Dough	URZJQ-25	12/28/2010	Solids, Total Dissolved TDS @ 180 C	mg/L	2650	Energy Laboratories	C10120855-001A	12/28/2010	A2540 C
Jane Dough	URZJQ-25	12/28/2010	Sulfate	mg/L	1730	Energy Laboratories	C10120855-001A	12/28/2010	E300.0
Jane Dough	URZJQ-25	12/28/2010	Aluminum	mg/L	<0.1	Energy Laboratories	C10120855-001A	12/28/2010	E200.7
Jane Dough	URZJQ-25	12/28/2010	Arsenic	mg/L	<0.001	Energy Laboratories	C10120855-001A	12/28/2010	E200.8
Jane Dough	URZJQ-25	12/28/2010	Barium	mg/L	<0.1	Energy Laboratories	C10120855-001A	12/28/2010	E200.7
Jane Dough	URZJQ-25	12/28/2010	Boron	mg/L	0.2	Energy Laboratories	C10120855-001A	12/28/2010	E200.7
Jane Dough	URZJQ-25	12/28/2010	Cadmium	mg/L	<0.005	Energy Laboratories	C10120855-001A	12/28/2010	E200.8
Jane Dough	URZJQ-25	12/28/2010	Calcium	mg/L	383	Energy Laboratories	C10120855-001A	12/28/2010	E200.7
Jane Dough	URZJQ-25	12/28/2010	Calcium, SAR	meq/L	19.2	Energy Laboratories	C10120855-001A	12/28/2010	E200.7
Jane Dough	URZJQ-25	12/28/2010	Chromium	mg/L	<0.05	Energy Laboratories	C10120855-001A	12/28/2010	E200.7
Jane Dough	URZJQ-25	12/28/2010	Copper	mg/L	0.01	Energy Laboratories	C10120855-001A	12/28/2010	E200.7
Jane Dough	URZJQ-25	12/28/2010	Iron	mg/L	0.05	Energy Laboratories	C10120855-001A	12/28/2010	E200.7
Jane Dough	URZJQ-25	12/28/2010	Lead	mg/L	0.002	Energy Laboratories	C10120855-001A	12/28/2010	E200.8
Jane Dough	URZJQ-25	12/28/2010	Magnesium	mg/L	105	Energy Laboratories	C10120855-001A	12/28/2010	E200.7
Jane Dough	URZJQ-25	12/28/2010	Magnesium, SAR	meq/L	8.72	Energy Laboratories	C10120855-001A	12/28/2010	E200.7
Jane Dough	URZJQ-25	12/28/2010	Manganese	mg/L	0.39	Energy Laboratories	C10120855-001A	12/28/2010	E200.7
Jane Dough	URZJQ-25	12/28/2010	Mercury	mg/L	<0.001	Energy Laboratories	C10120855-001A	12/28/2010	E200.8
Jane Dough	URZJQ-25	12/28/2010	Molybdenum	mg/L	<0.1	Energy Laboratories	C10120855-001A	12/28/2010	E200.7
Jane Dough	URZJQ-25	12/28/2010	Nickel	mg/L	<0.05	Energy Laboratories	C10120855-001A	12/28/2010	E200.7
Jane Dough	URZJQ-25	12/28/2010	Potassium	mg/L	8	Energy Laboratories	C10120855-001A	12/28/2010	E200.7
Jane Dough	URZJQ-25	12/28/2010	Selenium	mg/L	<0.001	Energy Laboratories	C10120855-001A	12/28/2010	E200.8
Jane Dough	URZJQ-25	12/28/2010	Silica	mg/L	11.4	Energy Laboratories	C10120855-001A	12/28/2010	E200.7
Jane Dough	URZJQ-25	12/28/2010	Sodium	mg/L	268	Energy Laboratories	C10120855-001A	12/28/2010	E200.7
Jane Dough	URZJQ-25	12/28/2010	Sodium Adsorption Ratio (SAR)	unitless	3.1	Energy Laboratories	C10120855-001A	12/28/2010	Calculation
Jane Dough	URZJQ-25	12/28/2010	Sodium, SAR	meq/L	11.6	Energy Laboratories	C10120855-001A	12/28/2010	E200.7
Jane Dough	URZJQ-25	12/28/2010	Uranium	mg/L	0.0922	Energy Laboratories	C10120855-001A	12/28/2010	E200.8
Jane Dough	URZJQ-25	12/28/2010	Vanadium	mg/L	<0.1	Energy Laboratories	C10120855-001A	12/28/2010	E200.8
Jane Dough	URZJQ-25	12/28/2010	Zinc	mg/L	0.04	Energy Laboratories	C10120855-001A	12/28/2010	E200.7
Jane Dough	URZJQ-25	12/28/2010	Gross Alpha	pCi/L	78.0	Energy Laboratories	C10120855-001A	12/28/2010	E900.0
Jane Dough	URZJQ-25	12/28/2010	Gross Alpha MDC	pCi/L	13.7	Energy Laboratories	C10120855-001A	12/28/2010	E900.0
Jane Dough	URZJQ-25	12/28/2010	Gross Alpha precision (±)	pCi/L	12.4	Energy Laboratories	C10120855-001A	12/28/2010	E900.0
Jane Dough	URZJQ-25	12/28/2010	Gross Beta	pCi/L	26.3	Energy Laboratories	C10120855-001A	12/28/2010	E900.0
Jane Dough	URZJQ-25	12/28/2010	Gross Beta MDC	pCi/L	15.1	Energy Laboratories	C10120855-001A	12/28/2010	E900.0
Jane Dough	URZJQ-25	12/28/2010	Gross Beta precision (±)	pCi/L	9.5	Energy Laboratories	C10120855-001A	12/28/2010	E900.0
Jane Dough	URZJQ-25	12/28/2010	Radium 226	pCi/L	0.56	Energy Laboratories	C10120855-001A	12/28/2010	E903.0
Jane Dough	URZJQ-25	12/28/2010	Radium 226 MDC	pCi/L	0.20	Energy Laboratories	C10120855-001A	12/28/2010	E903.0
Jane Dough	URZJQ-25	12/28/2010	Radium 226 precision (±)	pCi/L	0.20	Energy Laboratories	C10120855-001A	12/28/2010	E903.0
Jane Dough	URZJQ-25	12/28/2010	Radium 228	pCi/L	0.4	Energy Laboratories	C10120855-001A	12/28/2010	RA-05
Jane Dough	URZJQ-25	12/28/2010	Radium 228 MDC	pCi/L	0.8	Energy Laboratories	C10120855-001A	12/28/2010	RA-05
Jane Dough	URZJQ-25	12/28/2010	Radium 228 precision (±)	pCi/L	0.5	Energy Laboratories	C10120855-001A	12/28/2010	RA-05
Jane Dough	URZJQ-25	12/28/2010	Iron	mg/L	0.06	Energy Laboratories	C10120855-001A	12/28/2010	E200.7
Jane Dough	URZJQ-25	12/28/2010	Manganese	mg/L	0.36	Energy Laboratories	C10120855-001A	12/28/2010	E200.7
Jane Dough	URZJQ-25	12/28/2010	Nitrogen, Ammonia as N	mg/L	0.25	Energy Laboratories	C10120855-001A	12/28/2010	A4500-NH3 G
Jane Dough	URZJQ-25	12/28/2010	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C10120855-001A	12/28/2010	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJQ-25	1/26/2011	A/C Balance (± 5)	%	-3.41	Energy Laboratories	C11010788-002A	2/4/2011	Calculation
Jane Dough	URZJQ-25	1/26/2011	Anions	meq/L	40.5	Energy Laboratories	C11010788-002A	2/4/2011	Calculation
Jane Dough	URZJQ-25	1/26/2011	Bicarbonate as HCO3	mg/L	326	Energy Laboratories	C11010788-002A	1/27/2011	A2320 B
Jane Dough	URZJQ-25	1/26/2011	Carbonate as CO3	mg/L	<5	Energy Laboratories	C11010788-002A	1/27/2011	A2320 B
Jane Dough	URZJQ-25	1/26/2011	Cations	meq/L	37.8	Energy Laboratories	C11010788-002A	2/4/2011	Calculation
Jane Dough	URZJQ-25	1/26/2011	Chloride	mg/L	12	Energy Laboratories	C11010788-002A	1/31/2011	E300.0
Jane Dough	URZJQ-25	1/26/2011	Conductivity @ 25 C	umhos/cm	2980	Energy Laboratories	C11010788-002A	1/27/2011	A2510 B
Jane Dough	URZJQ-25	1/26/2011	Fluoride	mg/L	0.2	Energy Laboratories	C11010788-002A	1/28/2011	A4500-F C
Jane Dough	URZJQ-25	1/26/2011	pH	s.u.	7.31	Energy Laboratories	C11010788-002A	1/27/2011	A4500-H B
Jane Dough	URZJQ-25	1/26/2011	Solids, Total Dissolved Calculated	mg/L	2580	Energy Laboratories	C11010788-002A	2/4/2011	Calculation
Jane Dough	URZJQ-25	1/26/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	2640	Energy Laboratories	C11010788-002A	1/28/2011	A2540 C
Jane Dough	URZJQ-25	1/26/2011	Sulfate	mg/L	1670	Energy Laboratories	C11010788-002A	1/31/2011	E300.0
Jane Dough	URZJQ-25	1/26/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11010788-002A	1/28/2011	E200.7
Jane Dough	URZJQ-25	1/26/2011	Arsenic	mg/L	<0.001	Energy Laboratories	C11010788-002A	1/31/2011	E200.8
Jane Dough	URZJQ-25	1/26/2011	Barium	mg/L	<0.1	Energy Laboratories	C11010788-002A	1/28/2011	E200.7
Jane Dough	URZJQ-25	1/26/2011	Boron	mg/L	<0.1	Energy Laboratories	C11010788-002A	1/28/2011	E200.7
Jane Dough	URZJQ-25	1/26/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11010788-002A	1/31/2011	E200.8
Jane Dough	URZJQ-25	1/26/2011	Calcium	mg/L	370	Energy Laboratories	C11010788-002A	1/28/2011	E200.7
Jane Dough	URZJQ-25	1/26/2011	Calcium, SAR	meq/L	18.5	Energy Laboratories	C11010788-002A	1/28/2011	E200.7
Jane Dough	URZJQ-25	1/26/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11010788-002A	1/28/2011	E200.7
Jane Dough	URZJQ-25	1/26/2011	Copper	mg/L	<0.01	Energy Laboratories	C11010788-002A	1/28/2011	E200.7
Jane Dough	URZJQ-25	1/26/2011	Iron	mg/L	<0.03	Energy Laboratories	C11010788-002A	1/28/2011	E200.7
Jane Dough	URZJQ-25	1/26/2011	Lead	mg/L	<0.001	Energy Laboratories	C11010788-002A	1/31/2011	E200.8
Jane Dough	URZJQ-25	1/26/2011	Magnesium	mg/L	102	Energy Laboratories	C11010788-002A	1/28/2011	E200.7
Jane Dough	URZJQ-25	1/26/2011	Magnesium, SAR	meq/L	8.52	Energy Laboratories	C11010788-002A	1/28/2011	E200.7
Jane Dough	URZJQ-25	1/26/2011	Manganese	mg/L	0.41	Energy Laboratories	C11010788-002A	1/28/2011	E200.7
Jane Dough	URZJQ-25	1/26/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11010788-002A	1/31/2011	E200.8
Jane Dough	URZJQ-25	1/26/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11010788-002A	1/28/2011	E200.7
Jane Dough	URZJQ-25	1/26/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11010788-002A	1/28/2011	E200.7
Jane Dough	URZJQ-25	1/26/2011	Potassium	mg/L	8	Energy Laboratories	C11010788-002A	1/28/2011	E200.7
Jane Dough	URZJQ-25	1/26/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11010788-002A	1/31/2011	E200.8
Jane Dough	URZJQ-25	1/26/2011	Silica	mg/L	10.4	Energy Laboratories	C11010788-002A	1/28/2011	E200.7
Jane Dough	URZJQ-25	1/26/2011	Sodium	mg/L	246	Energy Laboratories	C11010788-002A	1/28/2011	E200.7
Jane Dough	URZJQ-25	1/26/2011	Sodium Adsorption Ratio (SAR)	unitless	2.9	Energy Laboratories	C11010788-002A	1/28/2011	Calculation
Jane Dough	URZJQ-25	1/26/2011	Sodium, SAR	meq/L	10.7	Energy Laboratories	C11010788-002A	1/28/2011	E200.7
Jane Dough	URZJQ-25	1/26/2011	Uranium	mg/L	0.0837	Energy Laboratories	C11010788-002A	1/31/2011	E200.8
Jane Dough	URZJQ-25	1/26/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11010788-002A	1/31/2011	E200.8
Jane Dough	URZJQ-25	1/26/2011	Zinc	mg/L	0.02	Energy Laboratories	C11010788-002A	1/28/2011	E200.7
Jane Dough	URZJQ-25	1/26/2011	Iron	mg/L	<0.03	Energy Laboratories	C11010788-002A	2/1/2011	E200.7
Jane Dough	URZJQ-25	1/26/2011	Manganese	mg/L	0.34	Energy Laboratories	C11010788-002A	2/1/2011	E200.7
Jane Dough	URZJQ-25	1/26/2011	Gross Alpha	pCi/L	69.2	Energy Laboratories	C11010788-002A	2/12/2011	E900.0
Jane Dough	URZJQ-25	1/26/2011	Gross Alpha MDC	pCi/L	12.3	Energy Laboratories	C11010788-002A	2/12/2011	E900.0
Jane Dough	URZJQ-25	1/26/2011	Gross Alpha precision (±)	pCi/L	10.8	Energy Laboratories	C11010788-002A	2/12/2011	E900.0
Jane Dough	URZJQ-25	1/26/2011	Gross Beta	pCi/L	21.6	Energy Laboratories	C11010788-002A	2/12/2011	E900.0
Jane Dough	URZJQ-25	1/26/2011	Gross Beta MDC	pCi/L	9.8	Energy Laboratories	C11010788-002A	2/12/2011	E900.0
Jane Dough	URZJQ-25	1/26/2011	Gross Beta precision (±)	pCi/L	6.2	Energy Laboratories	C11010788-002A	2/12/2011	E900.0
Jane Dough	URZJQ-25	1/26/2011	Radium 226	pCi/L	0.72	Energy Laboratories	C11010788-002A	2/22/2011	E903.0
Jane Dough	URZJQ-25	1/26/2011	Radium 226 MDC	pCi/L	0.09	Energy Laboratories	C11010788-002A	2/22/2011	E903.0
Jane Dough	URZJQ-25	1/26/2011	Radium 226 precision (±)	pCi/L	0.14	Energy Laboratories	C11010788-002A	2/22/2011	E903.0
Jane Dough	URZJQ-25	1/26/2011	Radium 228	pCi/L	0.9	Energy Laboratories	C11010788-002A	2/15/2011	RA-05
Jane Dough	URZJQ-25	1/26/2011	Radium 228 MDC	pCi/L	0.9	Energy Laboratories	C11010788-002A	2/15/2011	RA-05
Jane Dough	URZJQ-25	1/26/2011	Radium 228 precision (±)	pCi/L	0.6	Energy Laboratories	C11010788-002A	2/15/2011	RA-05
Jane Dough	URZJQ-25	1/26/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11010788-002A	2/3/2011	A4500-NH3 G
Jane Dough	URZJQ-25	1/26/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11010788-002A	1/31/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJQ-25	5/6/2011	Bicarbonate as HCO3	mg/L	315	Energy Laboratories	C11050239-001	5/10/2011	A2320 B
Jane Dough	URZJQ-25	5/6/2011	Carbonate as CO3	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	A2320 B
Jane Dough	URZJQ-25	5/6/2011	Conductivity @ 25 C	umhos/cm	2980	Energy Laboratories	C11050239-001	5/9/2011	A2510 B
Jane Dough	URZJQ-25	5/6/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	2680	Energy Laboratories	C11050239-001	5/10/2011	A2540 C
Jane Dough	URZJQ-25	5/6/2011	Fluoride	mg/L	0.2	Energy Laboratories	C11050239-001	5/9/2011	A4500-F C
Jane Dough	URZJQ-25	5/6/2011	pH	s.u.	7.35	Energy Laboratories	C11050239-001	5/9/2011	A4500-H B
Jane Dough	URZJQ-25	5/6/2011	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C11050239-001	5/17/2011	A4500-NH3 G
Jane Dough	URZJQ-25	5/6/2011	A/C Balance (± 5)	%	-0.0147	Energy Laboratories	C11050239-001	5/25/2011	Calculation
Jane Dough	URZJQ-25	5/6/2011	Anions	meq/L	39.4	Energy Laboratories	C11050239-001	5/25/2011	Calculation
Jane Dough	URZJQ-25	5/6/2011	Cations	meq/L	39.4	Energy Laboratories	C11050239-001	5/25/2011	Calculation
Jane Dough	URZJQ-25	5/6/2011	Sodium Adsorption Ratio (SAR)	unitless	2.8	Energy Laboratories	C11050239-001	5/10/2011	Calculation
Jane Dough	URZJQ-25	5/6/2011	Solids, Total Dissolved Calculated	mg/L	2560	Energy Laboratories	C11050239-001	5/25/2011	Calculation
Jane Dough	URZJQ-25	5/6/2011	Iron	mg/L	0.16	Energy Laboratories	C11050239-001	6/6/2011	E200.7
Jane Dough	URZJQ-25	5/6/2011	Manganese	mg/L	0.33	Energy Laboratories	C11050239-001	6/6/2011	E200.7
Jane Dough	URZJQ-25	5/6/2011	Aluminum	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Arsenic	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Barium	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Boron	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Cadmium	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Calcium	mg/L	400	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Calcium, SAR	meq/L	20.0	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Chromium	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Copper	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Iron	mg/L	0.16	Energy Laboratories	C11050239-001	5/17/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Lead	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Magnesium	mg/L	104	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Magnesium, SAR	meq/L	8.66	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Manganese	mg/L	0.32	Energy Laboratories	C11050239-001	5/17/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Mercury	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Molybdenum	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Nickel	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Potassium	mg/L	7	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Selenium	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Silica	mg/L	9.6	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Sodium	mg/L	246	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Sodium, SAR	meq/L	10.7	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Uranium	mg/L	0.0796	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Vanadium	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Zinc	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Chloride	mg/L	12	Energy Laboratories	C11050239-001	5/16/2011	E300.0
Jane Dough	URZJQ-25	5/6/2011	Sulfate	mg/L	1630	Energy Laboratories	C11050239-001	5/16/2011	E300.0
Jane Dough	URZJQ-25	5/6/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E353.2
Jane Dough	URZJQ-25	5/6/2011	Gross Alpha	pCi/L	111	Energy Laboratories	C11050239-001	5/21/2011	E900.0
Jane Dough	URZJQ-25	5/6/2011	Gross Alpha MDC	pCi/L	16.4	Energy Laboratories	C11050239-001	5/21/2011	E900.0
Jane Dough	URZJQ-25	5/6/2011	Gross Alpha precision (±)	pCi/L	15.5	Energy Laboratories	C11050239-001	5/21/2011	E900.0
Jane Dough	URZJQ-25	5/6/2011	Gross Beta	pCi/L	24.6	Energy Laboratories	C11050239-001	5/21/2011	E900.0
Jane Dough	URZJQ-25	5/6/2011	Gross Beta MDC	pCi/L	15.9	Energy Laboratories	C11050239-001	5/21/2011	E900.0
Jane Dough	URZJQ-25	5/6/2011	Gross Beta precision (±)	pCi/L	9.9	Energy Laboratories	C11050239-001	5/21/2011	E900.0
Jane Dough	URZJQ-25	5/6/2011	Radium 226	pCi/L	0.40	Energy Laboratories	C11050239-001	5/31/2011	E903.0
Jane Dough	URZJQ-25	5/6/2011	Radium 226 MDC	pCi/L	0.17	Energy Laboratories	C11050239-001	5/31/2011	E903.0
Jane Dough	URZJQ-25	5/6/2011	Radium 226 precision (±)	pCi/L	0.16	Energy Laboratories	C11050239-001	5/31/2011	E903.0
Jane Dough	URZJQ-25	5/6/2011	Radium 228	pCi/L	0.8	Energy Laboratories	C11050239-001	5/26/2011	RA-05
Jane Dough	URZJQ-25	5/6/2011	Radium 228 MDC	pCi/L	1.0	Energy Laboratories	C11050239-001	5/26/2011	RA-05
Jane Dough	URZJQ-25	5/6/2011	Radium 228 precision (±)	pCi/L	0.6	Energy Laboratories	C11050239-001	5/26/2011	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJQ-25	5/6/2011	Bicarbonate as HCO3	mg/L	448	Energy Laboratories	C11050239-001	5/10/2011	A2320 B
Jane Dough	URZJQ-25	5/6/2011	Carbonate as CO3	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	A2320 B
Jane Dough	URZJQ-25	5/6/2011	Conductivity @ 25 C	umhos/cm	4670	Energy Laboratories	C11050239-001	5/9/2011	A2510 B
Jane Dough	URZJQ-25	5/6/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	4360	Energy Laboratories	C11050239-001	5/10/2011	A2540 C
Jane Dough	URZJQ-25	5/6/2011	Fluoride	mg/L	0.2	Energy Laboratories	C11050239-001	5/9/2011	A4500-F C
Jane Dough	URZJQ-25	5/6/2011	pH	s.u.	7.27	Energy Laboratories	C11050239-001	5/9/2011	A4500-H B
Jane Dough	URZJQ-25	5/6/2011	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C11050239-001	5/17/2011	A4500-NH3 G
Jane Dough	URZJQ-25	5/6/2011	A/C Balance (± 5)	%	-0.620	Energy Laboratories	C11050239-001	6/7/2011	Calculation
Jane Dough	URZJQ-25	5/6/2011	Anions	meq/L	65.6	Energy Laboratories	C11050239-001	6/7/2011	Calculation
Jane Dough	URZJQ-25	5/6/2011	Cations	meq/L	64.8	Energy Laboratories	C11050239-001	6/7/2011	Calculation
Jane Dough	URZJQ-25	5/6/2011	Sodium Adsorption Ratio (SAR)	unitless	6.4	Energy Laboratories	C11050239-001	6/2/2011	Calculation
Jane Dough	URZJQ-25	5/6/2011	Solids, Total Dissolved Calculated	mg/L	4300	Energy Laboratories	C11050239-001	6/7/2011	Calculation
Jane Dough	URZJQ-25	5/6/2011	Calcium	mg/L	484	Energy Laboratories	C11050239-001	6/2/2011	E200.7
Jane Dough	URZJQ-25	5/6/2011	Calcium, SAR	meq/L	24.2	Energy Laboratories	C11050239-001	6/2/2011	E200.7
Jane Dough	URZJQ-25	5/6/2011	Sodium	mg/L	632	Energy Laboratories	C11050239-001	6/2/2011	E200.7
Jane Dough	URZJQ-25	5/6/2011	Sodium, SAR	meq/L	27.5	Energy Laboratories	C11050239-001	6/2/2011	E200.7
Jane Dough	URZJQ-25	5/6/2011	Aluminum	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Arsenic	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Barium	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Boron	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Cadmium	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Chromium	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Copper	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Iron	mg/L	0.10	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Iron	mg/L	0.50	Energy Laboratories	C11050239-001	5/17/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Lead	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Magnesium	mg/L	157	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Magnesium, SAR	meq/L	13.0	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Manganese	mg/L	0.24	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Manganese	mg/L	1.25	Energy Laboratories	C11050239-001	5/17/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Mercury	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Molybdenum	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Nickel	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Potassium	mg/L	11	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Selenium	mg/L	0.001	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Silica	mg/L	9.5	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Uranium	mg/L	0.0804	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Vanadium	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Zinc	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E200.8
Jane Dough	URZJQ-25	5/6/2011	Chloride	mg/L	50	Energy Laboratories	C11050239-001	5/16/2011	E300.0
Jane Dough	URZJQ-25	5/6/2011	Sulfate	mg/L	2730	Energy Laboratories	C11050239-001	5/16/2011	E300.0
Jane Dough	URZJQ-25	5/6/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C11050239-001	5/10/2011	E353.2
Jane Dough	URZJQ-25	5/6/2011	Gross Alpha	pCi/L	48.4	Energy Laboratories	C11050239-001	5/21/2011	E900.0
Jane Dough	URZJQ-25	5/6/2011	Gross Alpha MDC	pCi/L	25.6	Energy Laboratories	C11050239-001	5/21/2011	E900.0
Jane Dough	URZJQ-25	5/6/2011	Gross Alpha precision (±)	pCi/L	18.2	Energy Laboratories	C11050239-001	5/21/2011	E900.0
Jane Dough	URZJQ-25	5/6/2011	Gross Beta	pCi/L	29.4	Energy Laboratories	C11050239-001	5/21/2011	E900.0
Jane Dough	URZJQ-25	5/6/2011	Gross Beta MDC	pCi/L	22.5	Energy Laboratories	C11050239-001	5/21/2011	E900.0
Jane Dough	URZJQ-25	5/6/2011	Gross Beta precision (±)	pCi/L	13.9	Energy Laboratories	C11050239-001	5/21/2011	E900.0
Jane Dough	URZJQ-25	5/6/2011	Radium 226	pCi/L	0.35	Energy Laboratories	C11050239-001	5/31/2011	E903.0
Jane Dough	URZJQ-25	5/6/2011	Radium 226 MDC	pCi/L	0.21	Energy Laboratories	C11050239-001	5/31/2011	E903.0
Jane Dough	URZJQ-25	5/6/2011	Radium 226 precision (±)	pCi/L	0.18	Energy Laboratories	C11050239-001	5/31/2011	E903.0
Jane Dough	URZJQ-25	5/6/2011	Radium 228	pCi/L	0.9	Energy Laboratories	C11050239-001	5/26/2011	RA-05
Jane Dough	URZJQ-25	5/6/2011	Radium 228 MDC	pCi/L	1.3	Energy Laboratories	C11050239-001	5/26/2011	RA-05
Jane Dough	URZJQ-25	5/6/2011	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories	C11050239-001	5/26/2011	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJQ-25	8/11/2011	A/C Balance (± 5)	%	-0.00450	Energy Laboratories	C11080509-001A	8/19/2011	Calculation
Jane Dough	URZJQ-25	8/11/2011	Anions	meq/L	39.0	Energy Laboratories	C11080509-001A	8/19/2011	Calculation
Jane Dough	URZJQ-25	8/11/2011	Bicarbonate as HCO3	mg/L	296	Energy Laboratories	C11080509-001A	8/12/2011	A2320 B
Jane Dough	URZJQ-25	8/11/2011	Carbonate as CO3	mg/L	<5	Energy Laboratories	C11080509-001A	8/12/2011	A2320 B
Jane Dough	URZJQ-25	8/11/2011	Cations	meq/L	39.0	Energy Laboratories	C11080509-001A	8/19/2011	Calculation
Jane Dough	URZJQ-25	8/11/2011	Chloride	mg/L	12	Energy Laboratories	C11080509-001A	8/18/2011	E300.0
Jane Dough	URZJQ-25	8/11/2011	Conductivity @ 25 C	umhos/cm	2930	Energy Laboratories	C11080509-001A	8/12/2011	A2510 B
Jane Dough	URZJQ-25	8/11/2011	Fluoride	mg/L	<0.5	Energy Laboratories	C11080509-001A	8/18/2011	E300.0
Jane Dough	URZJQ-25	8/11/2011	pH	s.u.	7.85	Energy Laboratories	C11080509-001A	8/12/2011	A4500-H B
Jane Dough	URZJQ-25	8/11/2011	Solids, Total Dissolved Calculated	mg/L	2550	Energy Laboratories	C11080509-001A	8/19/2011	Calculation
Jane Dough	URZJQ-25	8/11/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	2640	Energy Laboratories	C11080509-001A	8/12/2011	A2540 C
Jane Dough	URZJQ-25	8/11/2011	Sulfate	mg/L	1620	Energy Laboratories	C11080509-001A	8/18/2011	E300.0
Jane Dough	URZJQ-25	8/11/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-25	8/11/2011	Arsenic	mg/L	<0.001	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-25	8/11/2011	Barium	mg/L	<0.1	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-25	8/11/2011	Boron	mg/L	<0.1	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-25	8/11/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-25	8/11/2011	Calcium	mg/L	380	Energy Laboratories	C11080509-001A	8/18/2011	E200.7
Jane Dough	URZJQ-25	8/11/2011	Calcium, SAR	meq/L	19.0	Energy Laboratories	C11080509-001A	8/18/2011	E200.7
Jane Dough	URZJQ-25	8/11/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-25	8/11/2011	Copper	mg/L	<0.01	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-25	8/11/2011	Iron	mg/L	0.19	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-25	8/11/2011	Lead	mg/L	<0.001	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-25	8/11/2011	Magnesium	mg/L	104	Energy Laboratories	C11080509-001A	8/18/2011	E200.7
Jane Dough	URZJQ-25	8/11/2011	Magnesium, SAR	meq/L	8.65	Energy Laboratories	C11080509-001A	8/18/2011	E200.7
Jane Dough	URZJQ-25	8/11/2011	Manganese	mg/L	0.31	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-25	8/11/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-25	8/11/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-25	8/11/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-25	8/11/2011	Potassium	mg/L	8	Energy Laboratories	C11080509-001A	8/18/2011	E200.7
Jane Dough	URZJQ-25	8/11/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-25	8/11/2011	Silica	mg/L	10.2	Energy Laboratories	C11080509-001A	8/18/2011	E200.7
Jane Dough	URZJQ-25	8/11/2011	Sodium	mg/L	260	Energy Laboratories	C11080509-001A	8/18/2011	E200.7
Jane Dough	URZJQ-25	8/11/2011	Sodium Adsorption Ratio (SAR)	unitless	3.0	Energy Laboratories	C11080509-001A	8/18/2011	Calculation
Jane Dough	URZJQ-25	8/11/2011	Sodium, SAR	meq/L	11.3	Energy Laboratories	C11080509-001A	8/18/2011	E200.7
Jane Dough	URZJQ-25	8/11/2011	Uranium	mg/L	0.0844	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-25	8/11/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-25	8/11/2011	Zinc	mg/L	<0.01	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-25	8/11/2011	Iron	mg/L	0.17	Energy Laboratories	C11080509-001A	8/27/2011	E200.7
Jane Dough	URZJQ-25	8/11/2011	Manganese	mg/L	0.29	Energy Laboratories	C11080509-001A	8/27/2011	E200.7
Jane Dough	URZJQ-25	8/11/2011	Gross Alpha	pCi/L	78.8	Energy Laboratories	C11080509-001A	9/8/2011	E900.0
Jane Dough	URZJQ-25	8/11/2011	Gross Alpha MDC	pCi/L	21.3	Energy Laboratories	C11080509-001A	9/8/2011	E900.0
Jane Dough	URZJQ-25	8/11/2011	Gross Alpha precision (±)	pCi/L	16.6	Energy Laboratories	C11080509-001A	9/8/2011	E900.0
Jane Dough	URZJQ-25	8/11/2011	Gross Beta	pCi/L	16.4	Energy Laboratories	C11080509-001A	9/8/2011	E900.0
Jane Dough	URZJQ-25	8/11/2011	Gross Beta MDC	pCi/L	16.3	Energy Laboratories	C11080509-001A	9/8/2011	E900.0
Jane Dough	URZJQ-25	8/11/2011	Gross Beta precision (±)	pCi/L	10.0	Energy Laboratories	C11080509-001A	9/8/2011	E900.0
Jane Dough	URZJQ-25	8/11/2011	Radium 226	pCi/L	0.41	Energy Laboratories	C11080509-001A	9/9/2011	E903.0
Jane Dough	URZJQ-25	8/11/2011	Radium 226 MDC	pCi/L	0.14	Energy Laboratories	C11080509-001A	9/9/2011	E903.0
Jane Dough	URZJQ-25	8/11/2011	Radium 226 precision (±)	pCi/L	0.13	Energy Laboratories	C11080509-001A	9/9/2011	E903.0
Jane Dough	URZJQ-25	8/11/2011	Radium 228	pCi/L	0.3	Energy Laboratories	C11080509-001A	9/1/2011	RA-05
Jane Dough	URZJQ-25	8/11/2011	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C11080509-001A	9/1/2011	RA-05
Jane Dough	URZJQ-25	8/11/2011	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C11080509-001A	9/1/2011	RA-05
Jane Dough	URZJQ-25	8/11/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11080509-001A	8/15/2011	A4500-NH3 G
Jane Dough	URZJQ-25	8/11/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11080509-001A	8/16/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJQ-25	2/1/2012	Bicarbonate as HCO3	mg/L	318	Energy Laboratories	C12020096-001	2/2/2012	A2320 B
Jane Dough	URZJQ-25	2/1/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12020096-001	2/2/2012	A2320 B
Jane Dough	URZJQ-25	2/1/2012	Conductivity @ 25 C	umhos/cm	3310	Energy Laboratories	C12020096-001	2/2/2012	A2510 B
Jane Dough	URZJQ-25	2/1/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	3030	Energy Laboratories	C12020096-001	2/3/2012	A2540 C
Jane Dough	URZJQ-25	2/1/2012	pH	s.u.	7.19	Energy Laboratories	C12020096-001	2/2/2012	A4500-H B
Jane Dough	URZJQ-25	2/1/2012	Nitrogen, Ammonia as N	mg/L	0.10	Energy Laboratories	C12020096-001	2/7/2012	A4500-NH3 G
Jane Dough	URZJQ-25	2/1/2012	A/C Balance (± 5)	%	-4.23	Energy Laboratories	C12020096-001	3/1/2012	Calculation
Jane Dough	URZJQ-25	2/1/2012	Anions	meq/L	44.0	Energy Laboratories	C12020096-001	3/1/2012	Calculation
Jane Dough	URZJQ-25	2/1/2012	Cations	meq/L	40.4	Energy Laboratories	C12020096-001	3/1/2012	Calculation
Jane Dough	URZJQ-25	2/1/2012	Sodium Adsorption Ratio (SAR)	unitless	2.9	Energy Laboratories	C12020096-001	2/21/2012	Calculation
Jane Dough	URZJQ-25	2/1/2012	Solids, Total Dissolved Calculated	mg/L	2800	Energy Laboratories	C12020096-001	3/1/2012	Calculation
Jane Dough	URZJQ-25	2/1/2012	Aluminum	mg/L	ND	Energy Laboratories	C12020096-001	2/21/2012	E200.7
Jane Dough	URZJQ-25	2/1/2012	Calcium	mg/L	412	Energy Laboratories	C12020096-001	2/21/2012	E200.7
Jane Dough	URZJQ-25	2/1/2012	Calcium, SAR	meq/L	20.6	Energy Laboratories	C12020096-001	2/21/2012	E200.7
Jane Dough	URZJQ-25	2/1/2012	Silica	mg/L	10.6	Energy Laboratories	C12020096-001	2/21/2012	E200.7
Jane Dough	URZJQ-25	2/1/2012	Arsenic	mg/L	ND	Energy Laboratories	C12020096-001	2/3/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Barium	mg/L	ND	Energy Laboratories	C12020096-001	2/3/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Boron	mg/L	ND	Energy Laboratories	C12020096-001	2/8/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Cadmium	mg/L	ND	Energy Laboratories	C12020096-001	2/3/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Chromium	mg/L	ND	Energy Laboratories	C12020096-001	2/3/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Copper	mg/L	ND	Energy Laboratories	C12020096-001	2/3/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Iron	mg/L	0.28	Energy Laboratories	C12020096-001	2/8/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Iron	mg/L	0.26	Energy Laboratories	C12020096-001	2/3/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Lead	mg/L	ND	Energy Laboratories	C12020096-001	2/3/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Magnesium	mg/L	106	Energy Laboratories	C12020096-001	2/8/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Magnesium, SAR	meq/L	8.87	Energy Laboratories	C12020096-001	2/8/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Manganese	mg/L	0.37	Energy Laboratories	C12020096-001	2/6/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Manganese	mg/L	0.36	Energy Laboratories	C12020096-001	2/29/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Mercury	mg/L	ND	Energy Laboratories	C12020096-001	2/3/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12020096-001	2/3/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Nickel	mg/L	ND	Energy Laboratories	C12020096-001	2/3/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Potassium	mg/L	7	Energy Laboratories	C12020096-001	2/8/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Selenium	mg/L	0.001	Energy Laboratories	C12020096-001	2/6/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Sodium	mg/L	251	Energy Laboratories	C12020096-001	2/8/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Sodium, SAR	meq/L	10.9	Energy Laboratories	C12020096-001	2/8/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Uranium	mg/L	0.0789	Energy Laboratories	C12020096-001	2/3/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Vanadium	mg/L	ND	Energy Laboratories	C12020096-001	2/3/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Zinc	mg/L	ND	Energy Laboratories	C12020096-001	2/3/2012	E200.8
Jane Dough	URZJQ-25	2/1/2012	Chloride	mg/L	12	Energy Laboratories	C12020096-001	2/8/2012	E300.0
Jane Dough	URZJQ-25	2/1/2012	Fluoride	mg/L	0.2	Energy Laboratories	C12020096-001	2/9/2012	E300.0
Jane Dough	URZJQ-25	2/1/2012	Sulfate	mg/L	1840	Energy Laboratories	C12020096-001	2/8/2012	E300.0
Jane Dough	URZJQ-25	2/1/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12020096-001	2/8/2012	E353.2
Jane Dough	URZJQ-25	2/1/2012	Gross Alpha	pCi/L	119	Energy Laboratories	C12020096-001	2/24/2012	E900.0
Jane Dough	URZJQ-25	2/1/2012	Gross Alpha MDC	pCi/L	17.1	Energy Laboratories	C12020096-001	2/24/2012	E900.0
Jane Dough	URZJQ-25	2/1/2012	Gross Alpha precision (±)	pCi/L	16.6	Energy Laboratories	C12020096-001	2/24/2012	E900.0
Jane Dough	URZJQ-25	2/1/2012	Gross Beta	pCi/L	1.9	Energy Laboratories	C12020096-001	2/24/2012	E900.0
Jane Dough	URZJQ-25	2/1/2012	Gross Beta MDC	pCi/L	17.9	Energy Laboratories	C12020096-001	2/24/2012	E900.0
Jane Dough	URZJQ-25	2/1/2012	Gross Beta precision (±)	pCi/L	10.7	Energy Laboratories	C12020096-001	2/24/2012	E900.0
Jane Dough	URZJQ-25	2/1/2012	Radium 226	pCi/L	0.11	Energy Laboratories	C12020096-001	2/28/2012	E903.0
Jane Dough	URZJQ-25	2/1/2012	Radium 226 MDC	pCi/L	0.13	Energy Laboratories	C12020096-001	2/28/2012	E903.0
Jane Dough	URZJQ-25	2/1/2012	Radium 226 precision (±)	pCi/L	0.09	Energy Laboratories	C12020096-001	2/28/2012	E903.0
Jane Dough	URZJQ-25	2/1/2012	Radium 228	pCi/L	0.3	Energy Laboratories	C12020096-001	2/22/2012	RA-05
Jane Dough	URZJQ-25	2/1/2012	Radium 228 MDC	pCi/L	0.8	Energy Laboratories	C12020096-001	2/22/2012	RA-05
Jane Dough	URZJQ-25	2/1/2012	Radium 228 precision (±)	pCi/L	0.5	Energy Laboratories	C12020096-001	2/22/2012	RA-05

MINE_NAME	SAMP_STATION_NAME	SAMPLE_DATE	PARAMETER_VALUE	Units	PARAMETER_VAL	AnalDate	LAB_COMP_NAME	LAB_BOTTLE_ID	ANALYSIS_DATE	ANALYTICAL_METHOD
Jane Dough	URZJQ-26	12/28/2010	A/C Balance (± 5)	%	0.805	1/26/2011	Energy Laboratories	C10120855-002A	12/28/2010	Calculation
Jane Dough	URZJQ-26	12/28/2010	Anions	meq/L	65.5	1/26/2011	Energy Laboratories	C10120855-002A	12/28/2010	Calculation
Jane Dough	URZJQ-26	12/28/2010	Bicarbonate as HCO3	mg/L	460	12/28/2010	Energy Laboratories	C10120855-002A	12/28/2010	A2320 B
Jane Dough	URZJQ-26	12/28/2010	Carbonate as CO3	mg/L	<5	12/28/2010	Energy Laboratories	C10120855-002A	12/28/2010	A2320 B
Jane Dough	URZJQ-26	12/28/2010	Cations	meq/L	66.6	1/26/2011	Energy Laboratories	C10120855-002A	12/28/2010	Calculation
Jane Dough	URZJQ-26	12/28/2010	Chloride	mg/L	50	12/31/2010	Energy Laboratories	C10120855-002A	12/28/2010	E300.0
Jane Dough	URZJQ-26	12/28/2010	Conductivity @ 25 C	umhos/cm	4830	12/29/2010	Energy Laboratories	C10120855-002A	12/28/2010	A2510 B
Jane Dough	URZJQ-26	12/28/2010	Fluoride	mg/L	0.3	12/30/2010	Energy Laboratories	C10120855-002A	12/28/2010	A4500-F C
Jane Dough	URZJQ-26	12/28/2010	pH	s.u.	7.31	12/29/2010	Energy Laboratories	C10120855-002A	12/28/2010	A4500-H B
Jane Dough	URZJQ-26	12/28/2010	Solids, Total Dissolved Calculated	mg/L	4330	1/26/2011	Energy Laboratories	C10120855-002A	12/28/2010	Calculation
Jane Dough	URZJQ-26	12/28/2010	Solids, Total Dissolved TDS @ 180 C	mg/L	4360	12/30/2010	Energy Laboratories	C10120855-002A	12/28/2010	A2540 C
Jane Dough	URZJQ-26	12/28/2010	Sulfate	mg/L	2720	12/31/2010	Energy Laboratories	C10120855-002A	12/28/2010	E300.0
Jane Dough	URZJQ-26	12/28/2010	Aluminum	mg/L	<0.1	1/25/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.7
Jane Dough	URZJQ-26	12/28/2010	Arsenic	mg/L	<0.001	1/14/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.8
Jane Dough	URZJQ-26	12/28/2010	Barium	mg/L	<0.1	1/14/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.8
Jane Dough	URZJQ-26	12/28/2010	Boron	mg/L	<0.1	1/14/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.8
Jane Dough	URZJQ-26	12/28/2010	Cadmium	mg/L	<0.005	1/14/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.8
Jane Dough	URZJQ-26	12/28/2010	Calcium	mg/L	509	1/25/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.7
Jane Dough	URZJQ-26	12/28/2010	Calcium, SAR	meq/L	25.4	1/25/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.7
Jane Dough	URZJQ-26	12/28/2010	Chromium	mg/L	<0.05	1/14/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.8
Jane Dough	URZJQ-26	12/28/2010	Copper	mg/L	0.01	1/14/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.8
Jane Dough	URZJQ-26	12/28/2010	Iron	mg/L	0.06	1/25/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.7
Jane Dough	URZJQ-26	12/28/2010	Lead	mg/L	0.002	1/14/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.8
Jane Dough	URZJQ-26	12/28/2010	Magnesium	mg/L	157	1/25/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.7
Jane Dough	URZJQ-26	12/28/2010	Magnesium, SAR	meq/L	13.1	1/25/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.7
Jane Dough	URZJQ-26	12/28/2010	Manganese	mg/L	0.30	1/7/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.7
Jane Dough	URZJQ-26	12/28/2010	Mercury	mg/L	<0.001	1/14/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.8
Jane Dough	URZJQ-26	12/28/2010	Molybdenum	mg/L	<0.1	1/14/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.8
Jane Dough	URZJQ-26	12/28/2010	Nickel	mg/L	<0.05	1/14/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.8
Jane Dough	URZJQ-26	12/28/2010	Potassium	mg/L	12	1/25/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.7
Jane Dough	URZJQ-26	12/28/2010	Selenium	mg/L	<0.001	1/14/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.8
Jane Dough	URZJQ-26	12/28/2010	Silica	mg/L	11.5	1/25/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.7
Jane Dough	URZJQ-26	12/28/2010	Sodium	mg/L	643	1/25/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.7
Jane Dough	URZJQ-26	12/28/2010	Sodium Adsorption Ratio (SAR)	unitless	6.4	1/25/2011	Energy Laboratories	C10120855-002B	12/28/2010	Calculation
Jane Dough	URZJQ-26	12/28/2010	Sodium, SAR	meq/L	28.0	1/25/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.7
Jane Dough	URZJQ-26	12/28/2010	Uranium	mg/L	0.0783	1/14/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.8
Jane Dough	URZJQ-26	12/28/2010	Vanadium	mg/L	<0.1	1/14/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.8
Jane Dough	URZJQ-26	12/28/2010	Zinc	mg/L	0.05	1/25/2011	Energy Laboratories	C10120855-002B	12/28/2010	E200.7
Jane Dough	URZJQ-26	12/28/2010	Gross Alpha	pCi/L	45.4	1/5/2011	Energy Laboratories	C10120855-002C	12/28/2010	E900.0
Jane Dough	URZJQ-26	12/28/2010	Gross Alpha MDC	pCi/L	21.1	1/5/2011	Energy Laboratories	C10120855-002C	12/28/2010	E900.0
Jane Dough	URZJQ-26	12/28/2010	Gross Alpha precision (±)	pCi/L	15.3	1/5/2011	Energy Laboratories	C10120855-002C	12/28/2010	E900.0
Jane Dough	URZJQ-26	12/28/2010	Gross Beta	pCi/L	14.2	1/5/2011	Energy Laboratories	C10120855-002C	12/28/2010	E900.0
Jane Dough	URZJQ-26	12/28/2010	Gross Beta MDC	pCi/L	22.3	1/5/2011	Energy Laboratories	C10120855-002C	12/28/2010	E900.0
Jane Dough	URZJQ-26	12/28/2010	Gross Beta precision (±)	pCi/L	13.5	1/5/2011	Energy Laboratories	C10120855-002C	12/28/2010	E900.0
Jane Dough	URZJQ-26	12/28/2010	Radium 226	pCi/L	0.49	1/17/2011	Energy Laboratories	C10120855-002C	12/28/2010	E903.0
Jane Dough	URZJQ-26	12/28/2010	Radium 226 MDC	pCi/L	0.20	1/17/2011	Energy Laboratories	C10120855-002C	12/28/2010	E903.0
Jane Dough	URZJQ-26	12/28/2010	Radium 226 precision (±)	pCi/L	0.19	1/17/2011	Energy Laboratories	C10120855-002C	12/28/2010	E903.0
Jane Dough	URZJQ-26	12/28/2010	Radium 228	pCi/L	1.6	1/11/2011	Energy Laboratories	C10120855-002C	12/28/2010	RA-05
Jane Dough	URZJQ-26	12/28/2010	Radium 228 MDC	pCi/L	0.8	1/11/2011	Energy Laboratories	C10120855-002C	12/28/2010	RA-05
Jane Dough	URZJQ-26	12/28/2010	Radium 228 precision (±)	pCi/L	0.6	1/11/2011	Energy Laboratories	C10120855-002C	12/28/2010	RA-05
Jane Dough	URZJQ-26	12/28/2010	Iron	mg/L	0.08	1/20/2011	Energy Laboratories	C10120855-002D	12/28/2010	E200.7
Jane Dough	URZJQ-26	12/28/2010	Manganese	mg/L	0.29	1/6/2011	Energy Laboratories	C10120855-002D	12/28/2010	E200.7
Jane Dough	URZJQ-26	12/28/2010	Nitrogen, Ammonia as N	mg/L	0.17	1/6/2011	Energy Laboratories	C10120855-002E	12/28/2010	A4500-NH3 G
Jane Dough	URZJQ-26	12/28/2010	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	12/30/2010	Energy Laboratories	C10120855-002E	12/28/2010	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
JANE DOUGH	URZJQ-26	1/26/2011	A/C Balance (± 5)	%	-1.08	Energy Laboratories	C11010788-001A	2/4/2011	Calculation
JANE DOUGH	URZJQ-26	1/26/2011	Anions	meq/L	65.5	Energy Laboratories	C11010788-001A	2/4/2011	Calculation
JANE DOUGH	URZJQ-26	1/26/2011	Bicarbonate as HCO3	mg/L	440	Energy Laboratories	C11010788-001A	1/27/2011	A2320 B
JANE DOUGH	URZJQ-26	1/26/2011	Carbonate as CO3	mg/L	<5	Energy Laboratories	C11010788-001A	1/27/2011	A2320 B
JANE DOUGH	URZJQ-26	1/26/2011	Cations	meq/L	64.1	Energy Laboratories	C11010788-001A	2/4/2011	Calculation
JANE DOUGH	URZJQ-26	1/26/2011	Chloride	mg/L	52	Energy Laboratories	C11010788-001A	1/31/2011	E300.0
JANE DOUGH	URZJQ-26	1/26/2011	Conductivity @ 25 C	umhos/cm	4830	Energy Laboratories	C11010788-001A	1/27/2011	A2510 B
JANE DOUGH	URZJQ-26	1/26/2011	Fluoride	mg/L	0.3	Energy Laboratories	C11010788-001A	1/28/2011	A4500-F C
JANE DOUGH	URZJQ-26	1/26/2011	pH	s.u.	7.22	Energy Laboratories	C11010788-001A	1/27/2011	A4500-H B
JANE DOUGH	URZJQ-26	1/26/2011	Solids, Total Dissolved Calculated	mg/L	4280	Energy Laboratories	C11010788-001A	2/4/2011	Calculation
JANE DOUGH	URZJQ-26	1/26/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	4400	Energy Laboratories	C11010788-001A	1/28/2011	A2540 C
JANE DOUGH	URZJQ-26	1/26/2011	Sulfate	mg/L	2730	Energy Laboratories	C11010788-001A	1/31/2011	E300.0
JANE DOUGH	URZJQ-26	1/26/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11010788-001B	1/28/2011	E200.7
JANE DOUGH	URZJQ-26	1/26/2011	Arsenic	mg/L	0.001	Energy Laboratories	C11010788-001B	1/31/2011	E200.8
JANE DOUGH	URZJQ-26	1/26/2011	Barium	mg/L	<0.1	Energy Laboratories	C11010788-001B	1/28/2011	E200.7
JANE DOUGH	URZJQ-26	1/26/2011	Boron	mg/L	<0.1	Energy Laboratories	C11010788-001B	1/28/2011	E200.7
JANE DOUGH	URZJQ-26	1/26/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11010788-001B	1/31/2011	E200.8
JANE DOUGH	URZJQ-26	1/26/2011	Calcium	mg/L	490	Energy Laboratories	C11010788-001B	1/28/2011	E200.7
JANE DOUGH	URZJQ-26	1/26/2011	Calcium, SAR	meq/L	24.5	Energy Laboratories	C11010788-001B	1/28/2011	E200.7
JANE DOUGH	URZJQ-26	1/26/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11010788-001B	1/28/2011	E200.7
JANE DOUGH	URZJQ-26	1/26/2011	Copper	mg/L	<0.01	Energy Laboratories	C11010788-001B	1/28/2011	E200.7
JANE DOUGH	URZJQ-26	1/26/2011	Iron	mg/L	0.05	Energy Laboratories	C11010788-001B	1/28/2011	E200.7
JANE DOUGH	URZJQ-26	1/26/2011	Lead	mg/L	<0.001	Energy Laboratories	C11010788-001B	1/31/2011	E200.8
JANE DOUGH	URZJQ-26	1/26/2011	Magnesium	mg/L	156	Energy Laboratories	C11010788-001B	1/28/2011	E200.7
JANE DOUGH	URZJQ-26	1/26/2011	Magnesium, SAR	meq/L	13.0	Energy Laboratories	C11010788-001B	1/28/2011	E200.7
JANE DOUGH	URZJQ-26	1/26/2011	Manganese	mg/L	0.23	Energy Laboratories	C11010788-001B	1/28/2011	E200.7
JANE DOUGH	URZJQ-26	1/26/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11010788-001B	1/31/2011	E200.8
JANE DOUGH	URZJQ-26	1/26/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11010788-001B	1/28/2011	E200.7
JANE DOUGH	URZJQ-26	1/26/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11010788-001B	1/28/2011	E200.7
JANE DOUGH	URZJQ-26	1/26/2011	Potassium	mg/L	11	Energy Laboratories	C11010788-001B	1/28/2011	E200.7
JANE DOUGH	URZJQ-26	1/26/2011	Selenium	mg/L	0.002	Energy Laboratories	C11010788-001B	1/31/2011	E200.8
JANE DOUGH	URZJQ-26	1/26/2011	Silica	mg/L	10.8	Energy Laboratories	C11010788-001B	1/28/2011	E200.7
JANE DOUGH	URZJQ-26	1/26/2011	Sodium	mg/L	611	Energy Laboratories	C11010788-001B	1/28/2011	E200.7
JANE DOUGH	URZJQ-26	1/26/2011	Sodium Adsorption Ratio (SAR)	unitless	6.2	Energy Laboratories	C11010788-001B	1/28/2011	Calculation
JANE DOUGH	URZJQ-26	1/26/2011	Sodium, SAR	meq/L	26.6	Energy Laboratories	C11010788-001B	1/28/2011	E200.7
JANE DOUGH	URZJQ-26	1/26/2011	Uranium	mg/L	0.0730	Energy Laboratories	C11010788-001B	1/31/2011	E200.8
JANE DOUGH	URZJQ-26	1/26/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11010788-001B	1/31/2011	E200.8
JANE DOUGH	URZJQ-26	1/26/2011	Zinc	mg/L	0.02	Energy Laboratories	C11010788-001B	1/28/2011	E200.7
JANE DOUGH	URZJQ-26	1/26/2011	Iron	mg/L	0.07	Energy Laboratories	C11010788-001C	2/1/2011	E200.7
JANE DOUGH	URZJQ-26	1/26/2011	Manganese	mg/L	0.24	Energy Laboratories	C11010788-001C	2/1/2011	E200.7
JANE DOUGH	URZJQ-26	1/26/2011	Gross Alpha	pCi/L	31.2	Energy Laboratories	C11010788-001D	2/12/2011	E900.0
JANE DOUGH	URZJQ-26	1/26/2011	Gross Alpha MDC	pCi/L	21.8	Energy Laboratories	C11010788-001D	2/12/2011	E900.0
JANE DOUGH	URZJQ-26	1/26/2011	Gross Alpha precision (±)	pCi/L	14.7	Energy Laboratories	C11010788-001D	2/12/2011	E900.0
JANE DOUGH	URZJQ-26	1/26/2011	Gross Beta	pCi/L	21.1	Energy Laboratories	C11010788-001D	2/12/2011	E900.0
JANE DOUGH	URZJQ-26	1/26/2011	Gross Beta MDC	pCi/L	22.4	Energy Laboratories	C11010788-001D	2/12/2011	E900.0
JANE DOUGH	URZJQ-26	1/26/2011	Gross Beta precision (±)	pCi/L	13.8	Energy Laboratories	C11010788-001D	2/12/2011	E900.0
JANE DOUGH	URZJQ-26	1/26/2011	Radium 226	pCi/L	0.57	Energy Laboratories	C11010788-001D	2/22/2011	E903.0
JANE DOUGH	URZJQ-26	1/26/2011	Radium 226 MDC	pCi/L	0.09	Energy Laboratories	C11010788-001D	2/22/2011	E903.0
JANE DOUGH	URZJQ-26	1/26/2011	Radium 226 precision (±)	pCi/L	0.13	Energy Laboratories	C11010788-001D	2/22/2011	E903.0
JANE DOUGH	URZJQ-26	1/26/2011	Radium 228	pCi/L	1	Energy Laboratories	C11010788-001D	2/15/2011	RA-05
JANE DOUGH	URZJQ-26	1/26/2011	Radium 228 MDC	pCi/L	1	Energy Laboratories	C11010788-001D	2/15/2011	RA-05
JANE DOUGH	URZJQ-26	1/26/2011	Radium 228 precision (±)	pCi/L	0.6	Energy Laboratories	C11010788-001D	2/15/2011	RA-05
JANE DOUGH	URZJQ-26	1/26/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11010788-001E	2/3/2011	A4500-NH3 G
JANE DOUGH	URZJQ-26	1/26/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11010788-001E	1/31/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJQ-26	5/6/2011	Bicarbonate as HCO3	mg/L	448	Energy Laboratories	C11050239-002	5/10/2011	A2320 B
Jane Dough	URZJQ-26	5/6/2011	Carbonate as CO3	mg/L	ND	Energy Laboratories	C11050239-002	5/10/2011	A2320 B
Jane Dough	URZJQ-26	5/6/2011	Conductivity @ 25 C	umhos/cm	4670	Energy Laboratories	C11050239-002	5/9/2011	A2510 B
Jane Dough	URZJQ-26	5/6/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	4360	Energy Laboratories	C11050239-002	5/10/2011	A2540 C
Jane Dough	URZJQ-26	5/6/2011	Fluoride	mg/L	0.2	Energy Laboratories	C11050239-002	5/9/2011	A4500-F C
Jane Dough	URZJQ-26	5/6/2011	pH	s.u.	7.27	Energy Laboratories	C11050239-002	5/9/2011	A4500-H B
Jane Dough	URZJQ-26	5/6/2011	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C11050239-002	5/17/2011	A4500-NH3 G
Jane Dough	URZJQ-26	5/6/2011	A/C Balance (± 5)	%	-0.620	Energy Laboratories	C11050239-002	6/7/2011	Calculation
Jane Dough	URZJQ-26	5/6/2011	Anions	meq/L	65.6	Energy Laboratories	C11050239-002	6/7/2011	Calculation
Jane Dough	URZJQ-26	5/6/2011	Cations	meq/L	64.8	Energy Laboratories	C11050239-002	6/7/2011	Calculation
Jane Dough	URZJQ-26	5/6/2011	Sodium Adsorption Ratio (SAR)	unitless	6.4	Energy Laboratories	C11050239-002	6/2/2011	Calculation
Jane Dough	URZJQ-26	5/6/2011	Solids, Total Dissolved Calculated	mg/L	4300	Energy Laboratories	C11050239-002	6/7/2011	Calculation
Jane Dough	URZJQ-26	5/6/2011	Calcium	mg/L	484	Energy Laboratories	C11050239-002	6/2/2011	E200.7
Jane Dough	URZJQ-26	5/6/2011	Calcium, SAR	meq/L	24.2	Energy Laboratories	C11050239-002	6/2/2011	E200.7
Jane Dough	URZJQ-26	5/6/2011	Sodium	mg/L	632	Energy Laboratories	C11050239-002	6/2/2011	E200.7
Jane Dough	URZJQ-26	5/6/2011	Sodium, SAR	meq/L	27.5	Energy Laboratories	C11050239-002	6/2/2011	E200.7
Jane Dough	URZJQ-26	5/6/2011	Aluminum	mg/L	ND	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Arsenic	mg/L	ND	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Barium	mg/L	ND	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Boron	mg/L	ND	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Cadmium	mg/L	ND	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Chromium	mg/L	ND	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Copper	mg/L	ND	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Iron	mg/L	0.10	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Iron	mg/L	0.50	Energy Laboratories	C11050239-002	5/17/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Lead	mg/L	ND	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Magnesium	mg/L	157	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Magnesium, SAR	meq/L	13.0	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Manganese	mg/L	0.24	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Manganese	mg/L	1.25	Energy Laboratories	C11050239-002	5/17/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Mercury	mg/L	ND	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Molybdenum	mg/L	ND	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Nickel	mg/L	ND	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Potassium	mg/L	11	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Selenium	mg/L	0.001	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Silica	mg/L	9.5	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Uranium	mg/L	0.0804	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Vanadium	mg/L	ND	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Zinc	mg/L	ND	Energy Laboratories	C11050239-002	5/10/2011	E200.8
Jane Dough	URZJQ-26	5/6/2011	Chloride	mg/L	50	Energy Laboratories	C11050239-002	5/16/2011	E300.0
Jane Dough	URZJQ-26	5/6/2011	Sulfate	mg/L	2730	Energy Laboratories	C11050239-002	5/16/2011	E300.0
Jane Dough	URZJQ-26	5/6/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C11050239-002	5/10/2011	E353.2
Jane Dough	URZJQ-26	5/6/2011	Gross Alpha	pCi/L	48.4	Energy Laboratories	C11050239-002	5/21/2011	E900.0
Jane Dough	URZJQ-26	5/6/2011	Gross Alpha MDC	pCi/L	25.6	Energy Laboratories	C11050239-002	5/21/2011	E900.0
Jane Dough	URZJQ-26	5/6/2011	Gross Alpha precision (±)	pCi/L	18.2	Energy Laboratories	C11050239-002	5/21/2011	E900.0
Jane Dough	URZJQ-26	5/6/2011	Gross Beta	pCi/L	29.4	Energy Laboratories	C11050239-002	5/21/2011	E900.0
Jane Dough	URZJQ-26	5/6/2011	Gross Beta MDC	pCi/L	22.5	Energy Laboratories	C11050239-002	5/21/2011	E900.0
Jane Dough	URZJQ-26	5/6/2011	Gross Beta precision (±)	pCi/L	13.9	Energy Laboratories	C11050239-002	5/21/2011	E900.0
Jane Dough	URZJQ-26	5/6/2011	Radium 226	pCi/L	0.35	Energy Laboratories	C11050239-002	5/31/2011	E903.0
Jane Dough	URZJQ-26	5/6/2011	Radium 226 MDC	pCi/L	0.21	Energy Laboratories	C11050239-002	5/31/2011	E903.0
Jane Dough	URZJQ-26	5/6/2011	Radium 226 precision (±)	pCi/L	0.18	Energy Laboratories	C11050239-002	5/31/2011	E903.0
Jane Dough	URZJQ-26	5/6/2011	Radium 228	pCi/L	0.9	Energy Laboratories	C11050239-002	5/26/2011	RA-05
Jane Dough	URZJQ-26	5/6/2011	Radium 228 MDC	pCi/L	1.3	Energy Laboratories	C11050239-002	5/26/2011	RA-05
Jane Dough	URZJQ-26	5/6/2011	Radium 228 precision (±)	pCi/L	0.8	Energy Laboratories	C11050239-002	5/26/2011	RA-05

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJQ-26	8/11/2011	A/C Balance (± 5)	%	-0.656	Energy Laboratories	C11080509-001A	8/19/2011	Calculation
Jane Dough	URZJQ-26	8/11/2011	Anions	meq/L	63.6	Energy Laboratories	C11080509-001A	8/19/2011	Calculation
Jane Dough	URZJQ-26	8/11/2011	Bicarbonate as HCO3	mg/L	413	Energy Laboratories	C11080509-001A	8/12/2011	A2320 B
Jane Dough	URZJQ-26	8/11/2011	Carbonate as CO3	mg/L	<5	Energy Laboratories	C11080509-001A	8/12/2011	A2320 B
Jane Dough	URZJQ-26	8/11/2011	Cations	meq/L	62.8	Energy Laboratories	C11080509-001A	8/19/2011	Calculation
Jane Dough	URZJQ-26	8/11/2011	Chloride	mg/L	49	Energy Laboratories	C11080509-001A	8/13/2011	E300.0
Jane Dough	URZJQ-26	8/11/2011	Conductivity @ 25 C	umhos/cm	4630	Energy Laboratories	C11080509-001A	8/12/2011	A2510 B
Jane Dough	URZJQ-26	8/11/2011	Fluoride	mg/L	<0.5	Energy Laboratories	C11080509-001A	8/18/2011	E300.0
Jane Dough	URZJQ-26	8/11/2011	pH	s.u.	7.79	Energy Laboratories	C11080509-001A	8/12/2011	A4500-H B
Jane Dough	URZJQ-26	8/11/2011	Solids, Total Dissolved Calculated	mg/L	4170	Energy Laboratories	C11080509-001A	8/19/2011	Calculation
Jane Dough	URZJQ-26	8/11/2011	Solids, Total Dissolved TDS @ 180 C	mg/L	4280	Energy Laboratories	C11080509-001A	8/12/2011	A2540 C
Jane Dough	URZJQ-26	8/11/2011	Sulfate	mg/L	2660	Energy Laboratories	C11080509-001A	8/13/2011	E300.0
Jane Dough	URZJQ-26	8/11/2011	Aluminum	mg/L	<0.1	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-26	8/11/2011	Arsenic	mg/L	0.001	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-26	8/11/2011	Barium	mg/L	<0.1	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-26	8/11/2011	Boron	mg/L	<0.1	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-26	8/11/2011	Cadmium	mg/L	<0.005	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-26	8/11/2011	Calcium	mg/L	466	Energy Laboratories	C11080509-001A	8/18/2011	E200.7
Jane Dough	URZJQ-26	8/11/2011	Calcium, SAR	meq/L	23.3	Energy Laboratories	C11080509-001A	8/18/2011	E200.7
Jane Dough	URZJQ-26	8/11/2011	Chromium	mg/L	<0.05	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-26	8/11/2011	Copper	mg/L	<0.01	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-26	8/11/2011	Iron	mg/L	0.67	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-26	8/11/2011	Lead	mg/L	<0.001	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-26	8/11/2011	Magnesium	mg/L	152	Energy Laboratories	C11080509-001A	8/18/2011	E200.7
Jane Dough	URZJQ-26	8/11/2011	Magnesium, SAR	meq/L	12.6	Energy Laboratories	C11080509-001A	8/18/2011	E200.7
Jane Dough	URZJQ-26	8/11/2011	Manganese	mg/L	0.30	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-26	8/11/2011	Mercury	mg/L	<0.001	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-26	8/11/2011	Molybdenum	mg/L	<0.1	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-26	8/11/2011	Nickel	mg/L	<0.05	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-26	8/11/2011	Potassium	mg/L	10	Energy Laboratories	C11080509-001A	8/18/2011	E200.7
Jane Dough	URZJQ-26	8/11/2011	Selenium	mg/L	<0.001	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-26	8/11/2011	Silica	mg/L	10.7	Energy Laboratories	C11080509-001A	8/18/2011	E200.7
Jane Dough	URZJQ-26	8/11/2011	Sodium	mg/L	616	Energy Laboratories	C11080509-001A	8/18/2011	E200.7
Jane Dough	URZJQ-26	8/11/2011	Sodium Adsorption Ratio (SAR)	unitless	6.3	Energy Laboratories	C11080509-001A	8/18/2011	Calculation
Jane Dough	URZJQ-26	8/11/2011	Sodium, SAR	meq/L	26.8	Energy Laboratories	C11080509-001A	8/18/2011	E200.7
Jane Dough	URZJQ-26	8/11/2011	Uranium	mg/L	0.0824	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-26	8/11/2011	Vanadium	mg/L	<0.1	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-26	8/11/2011	Zinc	mg/L	<0.01	Energy Laboratories	C11080509-001A	8/12/2011	E200.8
Jane Dough	URZJQ-26	8/11/2011	Iron	mg/L	1.21	Energy Laboratories	C11080509-001A	8/17/2011	E200.7
Jane Dough	URZJQ-26	8/11/2011	Manganese	mg/L	0.28	Energy Laboratories	C11080509-001A	8/17/2011	E200.7
Jane Dough	URZJQ-26	8/11/2011	Gross Alpha	pCi/L	63.3	Energy Laboratories	C11080509-001A	9/8/2011	E900.0
Jane Dough	URZJQ-26	8/11/2011	Gross Alpha MDC	pCi/L	33.2	Energy Laboratories	C11080509-001A	9/8/2011	E900.0
Jane Dough	URZJQ-26	8/11/2011	Gross Alpha precision (±)	pCi/L	23.1	Energy Laboratories	C11080509-001A	9/8/2011	E900.0
Jane Dough	URZJQ-26	8/11/2011	Gross Beta	pCi/L	26.6	Energy Laboratories	C11080509-001A	9/8/2011	E900.0
Jane Dough	URZJQ-26	8/11/2011	Gross Beta MDC	pCi/L	23.0	Energy Laboratories	C11080509-001A	9/8/2011	E900.0
Jane Dough	URZJQ-26	8/11/2011	Gross Beta precision (±)	pCi/L	14.2	Energy Laboratories	C11080509-001A	9/8/2011	E900.0
Jane Dough	URZJQ-26	8/11/2011	Radium 226	pCi/L	0.27	Energy Laboratories	C11080509-001A	9/9/2011	E903.0
Jane Dough	URZJQ-26	8/11/2011	Radium 226 MDC	pCi/L	0.13	Energy Laboratories	C11080509-001A	9/9/2011	E903.0
Jane Dough	URZJQ-26	8/11/2011	Radium 226 precision (±)	pCi/L	0.11	Energy Laboratories	C11080509-001A	9/9/2011	E903.0
Jane Dough	URZJQ-26	8/11/2011	Radium 228	pCi/L	0.5	Energy Laboratories	C11080509-001A	9/1/2011	RA-05
Jane Dough	URZJQ-26	8/11/2011	Radium 228 MDC	pCi/L	1.0	Energy Laboratories	C11080509-001A	9/1/2011	RA-05
Jane Dough	URZJQ-26	8/11/2011	Radium 228 precision (±)	pCi/L	0.6	Energy Laboratories	C11080509-001A	9/1/2011	RA-05
Jane Dough	URZJQ-26	8/11/2011	Nitrogen, Ammonia as N	mg/L	<0.05	Energy Laboratories	C11080509-001A	8/15/2011	A4500-NH3 G
Jane Dough	URZJQ-26	8/11/2011	Nitrogen, Nitrate+Nitrite as N	mg/L	<0.1	Energy Laboratories	C11080509-001A	8/16/2011	E353.2

Mine_Name	Samp_Station_Name	Samp_Date	Parameter_Name	Units	Paramater_Value	Lab_Comp_Name	Lab_Bottle_ID	Analysis_Date	Analytical_Method
Jane Dough	URZJQ-26	3/14/2012	Bicarbonate as HCO3	mg/L	451	Energy Laboratories	C12030580-004	3/16/2012	A2320 B
Jane Dough	URZJQ-26	3/14/2012	Carbonate as CO3	mg/L	ND	Energy Laboratories	C12030580-004	3/16/2012	A2320 B
Jane Dough	URZJQ-26	3/14/2012	Conductivity @ 25 C	umhos/cm	4860	Energy Laboratories	C12030580-004	3/16/2012	A2510 B
Jane Dough	URZJQ-26	3/14/2012	Solids, Total Dissolved TDS @ 180 C	mg/L	4740	Energy Laboratories	C12030580-004	3/16/2012	A2540 C
Jane Dough	URZJQ-26	3/14/2012	Fluoride	mg/L	0.3	Energy Laboratories	C12030580-004	3/16/2012	A4500-F C
Jane Dough	URZJQ-26	3/14/2012	pH	s.u.	7.16	Energy Laboratories	C12030580-004	3/16/2012	A4500-H B
Jane Dough	URZJQ-26	3/14/2012	Nitrogen, Ammonia as N	mg/L	ND	Energy Laboratories	C12030580-004	3/20/2012	A4500-NH3 G
Jane Dough	URZJQ-26	3/14/2012	A/C Balance (± 5)	%	-0.0934	Energy Laboratories	C12030580-004	3/21/2012	Calculation
Jane Dough	URZJQ-26	3/14/2012	Anions	meq/L	69.4	Energy Laboratories	C12030580-004	3/21/2012	Calculation
Jane Dough	URZJQ-26	3/14/2012	Cations	meq/L	69.2	Energy Laboratories	C12030580-004	3/21/2012	Calculation
Jane Dough	URZJQ-26	3/14/2012	Sodium Adsorption Ratio (SAR)	unitless	6.7	Energy Laboratories	C12030580-004	3/19/2012	Calculation
Jane Dough	URZJQ-26	3/14/2012	Solids, Total Dissolved Calculated	mg/L	4560	Energy Laboratories	C12030580-004	3/21/2012	Calculation
Jane Dough	URZJQ-26	3/14/2012	Boron	mg/L	ND	Energy Laboratories	C12030580-004	3/19/2012	E200.7
Jane Dough	URZJQ-26	3/14/2012	Calcium	mg/L	513	Energy Laboratories	C12030580-004	3/19/2012	E200.7
Jane Dough	URZJQ-26	3/14/2012	Calcium, SAR	meq/L	25.6	Energy Laboratories	C12030580-004	3/19/2012	E200.7
Jane Dough	URZJQ-26	3/14/2012	Iron	mg/L	0.50	Energy Laboratories	C12030580-004	3/19/2012	E200.7
Jane Dough	URZJQ-26	3/14/2012	Iron	mg/L	0.67	Energy Laboratories	C12030580-004	3/20/2012	E200.7
Jane Dough	URZJQ-26	3/14/2012	Magnesium	mg/L	168	Energy Laboratories	C12030580-004	3/19/2012	E200.7
Jane Dough	URZJQ-26	3/14/2012	Magnesium, SAR	meq/L	14.0	Energy Laboratories	C12030580-004	3/19/2012	E200.7
Jane Dough	URZJQ-26	3/14/2012	Manganese	mg/L	0.32	Energy Laboratories	C12030580-004	3/19/2012	E200.7
Jane Dough	URZJQ-26	3/14/2012	Manganese	mg/L	0.32	Energy Laboratories	C12030580-004	3/20/2012	E200.7
Jane Dough	URZJQ-26	3/14/2012	Potassium	mg/L	12	Energy Laboratories	C12030580-004	3/19/2012	E200.7
Jane Dough	URZJQ-26	3/14/2012	Silica	mg/L	10.5	Energy Laboratories	C12030580-004	3/19/2012	E200.7
Jane Dough	URZJQ-26	3/14/2012	Sodium	mg/L	680	Energy Laboratories	C12030580-004	3/19/2012	E200.7
Jane Dough	URZJQ-26	3/14/2012	Sodium, SAR	meq/L	29.6	Energy Laboratories	C12030580-004	3/19/2012	E200.7
Jane Dough	URZJQ-26	3/14/2012	Aluminum	mg/L	ND	Energy Laboratories	C12030580-004	3/17/2012	E200.8
Jane Dough	URZJQ-26	3/14/2012	Arsenic	mg/L	0.001	Energy Laboratories	C12030580-004	3/17/2012	E200.8
Jane Dough	URZJQ-26	3/14/2012	Barium	mg/L	ND	Energy Laboratories	C12030580-004	3/17/2012	E200.8
Jane Dough	URZJQ-26	3/14/2012	Cadmium	mg/L	ND	Energy Laboratories	C12030580-004	3/17/2012	E200.8
Jane Dough	URZJQ-26	3/14/2012	Chromium	mg/L	ND	Energy Laboratories	C12030580-004	3/17/2012	E200.8
Jane Dough	URZJQ-26	3/14/2012	Copper	mg/L	ND	Energy Laboratories	C12030580-004	3/17/2012	E200.8
Jane Dough	URZJQ-26	3/14/2012	Lead	mg/L	0.002	Energy Laboratories	C12030580-004	3/17/2012	E200.8
Jane Dough	URZJQ-26	3/14/2012	Mercury	mg/L	ND	Energy Laboratories	C12030580-004	3/17/2012	E200.8
Jane Dough	URZJQ-26	3/14/2012	Molybdenum	mg/L	ND	Energy Laboratories	C12030580-004	3/17/2012	E200.8
Jane Dough	URZJQ-26	3/14/2012	Nickel	mg/L	ND	Energy Laboratories	C12030580-004	3/17/2012	E200.8
Jane Dough	URZJQ-26	3/14/2012	Selenium	mg/L	0.002	Energy Laboratories	C12030580-004	3/17/2012	E200.8
Jane Dough	URZJQ-26	3/14/2012	Uranium	mg/L	0.0778	Energy Laboratories	C12030580-004	3/17/2012	E200.8
Jane Dough	URZJQ-26	3/14/2012	Vanadium	mg/L	ND	Energy Laboratories	C12030580-004	3/17/2012	E200.8
Jane Dough	URZJQ-26	3/14/2012	Zinc	mg/L	0.01	Energy Laboratories	C12030580-004	3/17/2012	E200.8
Jane Dough	URZJQ-26	3/14/2012	Chloride	mg/L	59	Energy Laboratories	C12030580-004	3/17/2012	E300.0
Jane Dough	URZJQ-26	3/14/2012	Sulfate	mg/L	2900	Energy Laboratories	C12030580-004	3/17/2012	E300.0
Jane Dough	URZJQ-26	3/14/2012	Nitrogen, Nitrate+Nitrite as N	mg/L	ND	Energy Laboratories	C12030580-004	3/19/2012	E353.2
Jane Dough	URZJQ-26	3/14/2012	Gross Alpha	pCi/L	79.9	Energy Laboratories	C12030580-004	3/23/2012	E900.0
Jane Dough	URZJQ-26	3/14/2012	Gross Alpha MDC	pCi/L	27.1	Energy Laboratories	C12030580-004	3/23/2012	E900.0
Jane Dough	URZJQ-26	3/14/2012	Gross Alpha precision (±)	pCi/L	20.7	Energy Laboratories	C12030580-004	3/23/2012	E900.0
Jane Dough	URZJQ-26	3/14/2012	Gross Beta	pCi/L	16.8	Energy Laboratories	C12030580-004	3/23/2012	E900.0
Jane Dough	URZJQ-26	3/14/2012	Gross Beta MDC	pCi/L	29.1	Energy Laboratories	C12030580-004	3/23/2012	E900.0
Jane Dough	URZJQ-26	3/14/2012	Gross Beta precision (±)	pCi/L	17.6	Energy Laboratories	C12030580-004	3/23/2012	E900.0
Jane Dough	URZJQ-26	3/14/2012	Radium 226	pCi/L	0.61	Energy Laboratories	C12030580-004	3/27/2012	E903.0
Jane Dough	URZJQ-26	3/14/2012	Radium 226 MDC	pCi/L	0.12	Energy Laboratories	C12030580-004	3/27/2012	E903.0
Jane Dough	URZJQ-26	3/14/2012	Radium 226 precision (±)	pCi/L	0.15	Energy Laboratories	C12030580-004	3/27/2012	E903.0
Jane Dough	URZJQ-26	3/14/2012	Radium 228	pCi/L	0.6	Energy Laboratories	C12030580-004	3/22/2012	RA-05
Jane Dough	URZJQ-26	3/14/2012	Radium 228 MDC	pCi/L	1.1	Energy Laboratories	C12030580-004	3/22/2012	RA-05
Jane Dough	URZJQ-26	3/14/2012	Radium 228 precision (±)	pCi/L	0.7	Energy Laboratories	C12030580-004	3/22/2012	RA-05

WellID	Sample_Date	Field_pH	Field_SP	Field_Water_Temp
JD RES 19-1	6/24/2010	8.95	1607	20.70
JD RES 19-1	7/16/2010	9.67	1699	18.20
JD RES 19-1	10/5/2010	9.81	1930	11.80
JD RES 19-1	3/24/2011	8.70	1608	0.40
JD RES 19-1	6/18/2012	9.12	1617	19.70
JD RES 19-1	7/26/2012	9.14	1702	25.00
JD RES 19-2	6/24/2010	8.84	1631	20.20
JD RES 19-2	7/16/2010	9.65	1709	18.70
JD RES 19-2	10/5/2010	10.03	2480	9.40
JD RES 19-2	3/24/2011	8.79	1765	0.30
JD RES 19-2	6/18/2012	8.91	1754	19.30
JD RES 19-2	7/26/2012	8.80	1762	24.40
JD Res 19-2	2/13/2013	7.84	1634	10.50
JD RES 29-1	6/24/2010	9.17	3160	21.50
JD RES 29-1	7/16/2010	10.08	3700	19.20
JD RES 29-1	10/5/2010	10.30	4860	9.50
JD RES 29-1	3/24/2011	9.07	1314	-0.40
JD RES 29-1	6/18/2012	9.45	3670	19.60
JD RES 29-1	7/26/2012	9.47	4370	24.10
JD RES 29-2	6/24/2010	8.26	2190	21.80
JD RES 29-2	7/16/2010	8.76	2410	18.80
JD RES 29-2	10/5/2010	8.75	1994	10.80
JD RES 29-2	3/24/2011	8.79	2690	1.00
JD RES 29-2	6/18/2012	8.79	2090	19.90
JD RES 29-2	7/24/2012	8.62	1810	26.90
JD RES 30-1	6/25/2010	8.79	1852	22.40
JD RES 30-1	7/16/2010	9.40	2790	18.70
JD RES 30-1	4/26/2011	9.05	1923	4.80
JD RES 30-1	6/19/2012	N/A	N/A	N/A
JD RES 30-1	7/24/2012	8.96	2160	26.30
JD RES 30-2	6/25/2010	8.58	1717	22.00
JD RES 30-2	7/16/2010	9.31	2060	20.00
JD RES 30-2	4/26/2011	9.25	1892	5.10
JD RES 30-2	6/19/2012	8.96	2100	20.50
JD RES 30-2	7/24/2012	8.88	1844	25.00
JD RES 31-1	6/25/2010	8.82	1868	24.10
JD RES 31-1	7/16/2010	N/A	N/A	N/A
JD RES 31-1	10/8/2010	9.36	1885	9.30
JD RES 31-1	3/23/2011	8.80	384	2.00
JD RES 31-1	3/29/2011	N/A	N/A	N/A
JD RES 31-1	4/26/2011	N/A	N/A	N/A
JD RES 31-1	6/18/2012	9.12	1245	20.30
JD RES 31-1	7/25/2012	N/A	N/A	N/A
JD RES 31-2	6/25/2010	8.68	1810	23.40
JD RES 31-2	7/16/2010	9.64	2410	20.00
JD RES 31-2	10/8/2010	9.28	1666	8.90
JD RES 31-2	3/23/2011	9.46	647	2.00
JD RES 31-2	3/29/2011	7.68	1892	2.60
JD RES 31-2	6/18/2012	N/A	N/A	N/A
JD RES 31-2	7/25/2012	9.16	1250	24.60
JD RES 31-3	6/25/2010	8.89	1298	23.60
JD RES 31-3	7/19/2010	10.07	1397	19.50
JD RES 31-3	10/8/2010	9.81	2520	8.20
JD RES 31-3	3/29/2011	9.56	1523	2.70
JD RES 31-3	6/19/2012	9.98	1721	20.80
JD RES 31-3	7/24/2012	10.31	1962	24.50
JD RES 31-4	6/25/2010	9.12	1563	22.80
JD RES 31-4	7/19/2010	10.18	1693	18.50
JD RES 31-4	10/8/2010	10.33	2620	8.40
JD RES 31-4	3/29/2011	10.04	1410	3.60
JD RES 31-4	6/19/2012	9.67	1227	21.60
JD RES 31-4	7/24/2012	10.05	1398	25.10
JD RES 32-1	6/28/2010	8.83	1880	23.60
JD RES 32-1	7/19/2010	9.74	1969	19.40
JD RES 32-1	10/11/2010	N/A	N/A	N/A
JD RES 32-1	3/23/2011	5.34	1781	1.00
JD RES 32-1	4/26/2011	9.44	1773	4.90
JD RES 32-1	6/18/2012	9.01	1500	21.00
JD RES 32-1	6/22/2012	9.04	1807	21.50
JD RES 32-1	6/22/2012	9.04	1807	21.50
JD RES 32-1	7/25/2012	9.14	1970	25.40
JD RES 33-1	6/24/2010	8.84	1563	22.90
JD RES 33-1	7/19/2010	9.74	1676	19.70

WellID	Sample_Date	Field_pH	Field_SP	Field_Water_Temp
JD RES 33-1	10/5/2010	9.94	1871	11.50
JD RES 33-1	3/24/2011	9.22	1195	-0.60
JD RES 33-1	6/18/2012	9.01	1500	21.00
JD RES 33-1	7/25/2012	9.10	1680	24.20
JD RES 6-1	6/28/2010	8.28	1399	24.40
JD RES 6-1	7/16/2010	8.84	1443	19.90
JD RES 6-1	10/11/2010	N/A	N/A	N/A
JD RES 6-1	3/25/2011	8.83	1350	0.40
JD RES 6-1	4/26/2011	0.00	0	0.00
JD RES 6-1	6/22/2012	8.66	1158	21.00
JD RES 6-1	6/22/2012	8.66	1158	21.00
JD RES 6-1	7/25/2012	8.99	1241	23.30
JDSS1	3/23/2011	5.74	155.4	-2.50
JDSS1	4/19/2012	6.90	310	8.90
URZJ1-12	8/31/2011	10.74	388	11.90
URZJ1-12	12/2/2011	9.25	467	7.40
URZJ1-12	3/28/2012	8.87	475	16.60
URZJ1-12	6/15/2012	8.61	407	18.10
URZJ1-23-1	6/5/2013	8.72	405	13.70
URZJ1-23-1				
URZJ1-6	10/7/2011	12.87	874	8.40
URZJA-1	9/14/2011	9.60	566	7.80
URZJA-1	3/7/2012	7.39	562	14.80
URZJA-1	6/19/2012	8.63	533	14.10
URZJA-1	7/18/2012	8.20	534	14.30
URZJA-13-1	1/10/2013	8.85	491	14.9
URZJA-13-1	6/10/2013	7.81	505	35
URZJA-14-1	1/10/2013	8.84	491	15
URZJA-14-1	6/6/2013	8.08	521	18.70
URZJA-19	3/14/2012	7.48	573	16.60
URZJA-19	6/29/2012	9.00	491	19.90
URZJA-19	7/17/2012	9.05	489	17.80
URZJA-19	11/13/2012	8.49	507	13.80
URZJA-2	9/21/2011	10.37	587	9.80
URZJA-2	3/28/2012	9.66	614	9.6
URZJA-2	12/12/2012	8.37	574	11.90
URZJA-2	1/30/2013	8.36	564	12.70
URZJA-20	11/13/2012	8.46	528	13.30
URZJA-20	6/17/2013	8.49	543	15.10
URZJA-20	1/17/2013	8.42	515	12.9
URZJA-7	9/1/2011	10.11	586	10.70
URZJA-7	11/13/2012	8.62	585	13.10
URZJA-7	12/6/2012	8.00	582	12.50
URZJA-8	9/12/2011	10.39	631	11.20
URZJA-8	1/31/2012	9.12	547	14.4
URZJA-8	6/21/2012	8.76	515	15.30
URZJB-15	6/27/2012	8.90	509	17.20
URZJB-15	10/2/2012	8.94	557	18.00
URZJB-15	11/7/2012	8.90	539	16.90
URZJB-15	1/16/2013	8.58	494	12.6
URZJB-21	9/28/2011	9.04	500	11.30
URZJB-21	2/13/2012	9.53	459	13.40
URZJB-21	4/20/2012	8.61	536	15.6
URZJB-21	11/13/2012	8.10	506	14.20
URZJB-3	9/20/2011	8.71	596	7.80
URZJB-3	2/6/2012	8.31	595	12.8
URZJB-3	7/13/2012	8.46	562	14.10
URZJB-3	11/15/2012	8.28	591	13.60
URZJB-3	11/30/2012	7.98	583	13.20
URZJB-9	8/31/2011	9.17	558	8.60
URZJB-9	11/8/2011	8.23	644	8.20
URZJB-9	1/31/2012	8.28	588	13.80
URZJB-9	4/5/2012	8.75	618	15.60
URZJC-10	8/30/2011	10.25	430	8.20
URZJC-10	2/13/2012	9.53	459	13.40
URZJC-10	7/3/2012	8.42	450	20.1
URZJC-10	11/14/2012	8.48	486	14.70
URZJC-16	10/2/2012	7.13	2180	14.00

WellID	Sample_Date	Field_pH	Field_SP	Field_Water_Temp
URZJC-16	10/2/2012	7.13	2180	14
URZJC-16	1/10/2013	7.22	2160	12.00
URZJC-16	6/17/2013	7.05	2260	14.30
URZJC-22	9/29/2011	8.62	1675	7.30
URZJC-22	3/14/2012	7.15	2030	13.90
URZJC-22	4/19/2012	7.42	2180	16.80
URZJC-22	12/17/2012	7.15	2180	14.40
URZJF-11	8/30/2011	12.83	1046	9.50
URZJF-11	9/23/2011	6.59	2780	6.90
URZJF-11	9/28/2012	6.93	2270	12.70
URZJF-11	11/2/2012	11.31	1659	12.40
URZJF-11	1/7/2013	11.38	1701	10.20
URZJF-11	1/7/2013	11.38	1701	10.20
URZJF-17	12/9/2011	6.21	2840	4.10
URZJF-17	1/20/2012	6.58	2870	3.70
URZJF-17	6/25/2012	7.10	225	15.40
URZJF-5	9/23/2011	12.96	1174	6.30
URZJF-5	11/27/2012	8.28	1119	26.30
URZJF-5	11/30/2012	8.39	1205	25.20
URZJF-5	2/1/2013	8.93	1170	19.00
URZJF-5	2/1/2013	8.93	1170	19.20
URZJQ-24-1	7/20/2012	6.87	4210	13.00
URZJQ-24-1	11/2/2012	6.99	4470	10.80
URZJQ-24-1	1/7/2013	6.86	4360	9.70
URZJQ-24-1	6/12/2013	6.86	4290	11.6
URZJQ-25	12/28/2010	6.49	3830	6.30
URZJQ-25	1/26/2011	6.41	3570	6.40
URZJQ-25	5/6/2011	5.70	3680	6.49
URZJQ-25	8/11/2011	6.43	3480	7.30
URZJQ-26	12/28/2010	6.55	5850	6.00
URZJQ-26	1/26/2011	6.45	5920	5.90
URZJQ-26	5/6/2011	6.50	5770	4.70
URZJQ-26	8/11/2011	6.55	5740	6.40
URZJQ-26	3/14/2012	7.17	4860	10.10
Pats Well #1	10/11/2010	7.03	599	7.50
Pats Well #1	1/24/2011	6.45	633	1.40
Pats Well #1	8/10/2011	7.28	5950	11.11
Pats Well #1	1/20/2012	7.43	714	-1.70
Pats Well #1	7/17/2012	7.69	611	19.60
Pats Well #1	11/2/2012	7.71	611	10.60
Pats Well #1	1/30/2013	8.33	646	3.20
Pats Well #1	7/23/2013	7.25	618	20.20
Pug #2	12/29/2010	8.12	484	6.20
Pug #2	1/24/2011	8.03	488	6.10
Pug #2	8/12/2011	8.68	482	9.40
Pug #2	1/23/2012	8.49	519	4.90
Pug #2	7/17/2012	8.10	496	14.80
Pug #2	11/2/2012	8.32	486	12.90
Pug #2	1/9/2013	8.20	492	12.00
Pug #2	7/23/2013	8.28	500	15.00

WellID	Meas_Date	Water_Level	Gassy	Comments
URZJ1-12	5/16/2011	97.42		
URZJ1-12	8/2/2011	95.70		
URZJ1-12	8/31/2011	96.88		
URZJ1-12	10/6/2011	95.20		
URZJ1-12	12/12/2011	96.74		
URZJ1-23-1	11/2/2012	75.80		
URZJ1-23-1	1/9/2013	56.36		
URZJ1-23-1	6/17/2013	74.95		
URZJ1-23-1	7/22/2013	61.08		
URZJ1-6	11/19/2010	25.45		
URZJ1-6	12/14/2010	23.18		
URZJ1-6	1/5/2011	21.08		
URZJ1-6	4/8/2011	22.27		
URZJ1-6	8/1/2011	20.41		
URZJ1-6	9/21/2011	53.61		
URZJ1-6	10/6/2011	33.60		
URZJ1-6	6/22/2012	24.14		
URZJA-1	11/19/2010	41.90		
URZJA-1	12/14/2010	41.77		
URZJA-1	4/8/2011	41.74		
URZJA-1	8/1/2011	39.64		
URZJA-1	9/14/2011	41.63		
URZJA-1	10/6/2011	40.18		
URZJA-1	6/22/2012	42.10		
URZJA-13-1	1/10/2013	119.35		
URZJA-13-1	6/13/2013	128.9		
URZJA-13-1	7/22/2013	119.7		
URZJA-13-1	8/26/2013	115.05		
URZJA-14	10/7/2010	129.91		
URZJA-14-1	1/10/2013	126.53		
URZJA-14-1	6/13/2013	128.38		
URZJA-14-1	8/26/2013	128.48		
URZJA-19	10/8/2010	68.44		
URZJA-19	10/18/2010	68.77		
URZJA-19	10/22/2010	68.65		
URZJA-19	1/5/2011	66.78		
URZJA-19	4/25/2011	68.37		
URZJA-19	8/22/2011	66.70		
URZJA-19	9/29/2011	68.88		
URZJA-19	10/6/2011	66.61		
URZJA-19	6/14/2012	69.98		
URZJA-19	6/22/2012	70.15		
URZJA-19	11/13/2012	97.63		
URZJA-2	11/19/2010	41.45		
URZJA-2	12/14/2010	42.97		
URZJA-2	1/5/2011	41.45		
URZJA-2	4/8/2011	42.88		
URZJA-2	8/1/2011	40.73		
URZJA-2	9/21/2011	43.31		
URZJA-2	10/6/2011	41.22		
URZJA-2	6/22/2012	42.79		
URZJA-2	1/30/2013	44.10		
URZJA-2	1/30/2013	44		
URZJA-20	10/18/2010	65.95		
URZJA-20	10/22/2010	65.80		
URZJA-20	4/25/2011	65.47		
URZJA-20	8/22/2011	63.96		
URZJA-20	10/6/2011	63.94		
URZJA-20	6/14/2012	67.94		
URZJA-20	6/22/2012	66.66		
URZJA-20	11/30/2012	75.35		
URZJA-20	6/17/2013	68.50		
URZJA-20	6/17/2013	68.5		
URZJA-20	1/17/2013	68.03		
URZJA-7	12/14/2010	139.47		
URZJA-7	5/16/2011	140.83		
URZJA-7	8/2/2011	159.21		
URZJA-7	9/1/2011	141.35		
URZJA-7	10/6/2011	139.91		
URZJA-7	11/7/2011	141.10		
URZJA-7	11/13/2012	140.15		
URZJA-7	12/6/2012	141.37		
URZJA-8	12/14/2010	136.04		

WellID	Meas_Date	Water_Level	Gassy	Comments
URZJA-8	5/16/2011	135.89		
URZJA-8	8/2/2011	134.16		
URZJA-8	9/12/2011	136.24		
URZJA-8	10/6/2011	134.08		
URZJA-8	11/7/2011	136.16		
URZJB-15	10/7/2010	147.52		
URZJB-15	10/18/2010	147.19		
URZJB-15	10/22/2010	147.15		
URZJB-15	1/5/2011	145.50		
URZJB-15	4/25/2011	147.15		
URZJB-15	8/15/2011	145.39		
URZJB-15	8/19/2011	147.14		
URZJB-15	10/6/2011	145.40		
URZJB-15	6/14/2012	147.50		
URZJB-15	6/22/2012	146.10		
URZJB-15	11/7/2012	149.70		
URZJB-15	1/16/2013	148		
URZJB-21	10/8/2010	73.23		
URZJB-21	10/18/2010	73.48		
URZJB-21	10/22/2010	73.40		
URZJB-21	4/25/2011	73.18		
URZJB-21	8/22/2011	71.66		
URZJB-21	9/28/2011	73.44		
URZJB-21	10/6/2011	79.63		
URZJB-21	6/14/2012	75.03		
URZJB-21	6/22/2012	73.60		
URZJB-21	11/13/2012	79.90		
URZJB-3	11/19/2010	41.27		
URZJB-3	12/14/2010	41.12		
URZJB-3	1/5/2011	39.67		
URZJB-3	4/8/2011	41.05		
URZJB-3	8/1/2011	38.98		
URZJB-3	9/20/2011	41.21		
URZJB-3	10/6/2011	39.74		
URZJB-3	6/22/2012	41.06		
URZJB-3	11/15/2012	42.13		
URZJB-3	11/30/2012	44.32		
URZJB-9	12/14/2010	139.30		
URZJB-9	1/5/2011	137.47		
URZJB-9	5/16/2011	139.11		
URZJB-9	8/2/2011	137.58		
URZJB-9	8/31/2011	139.27		
URZJB-9	10/6/2011	137.51		
URZJB-9	11/8/2011	139.84		
URZJC-10	12/14/2010	140.39		
URZJC-10	1/5/2011	140.52		
URZJC-10	5/16/2011	140.34		
URZJC-10	8/2/2011	138.86		
URZJC-10	8/30/2011	140.77		
URZJC-10	10/6/2011	138.82		
URZJC-10	11/14/2012	144.62		
URZJC-16	10/7/2010	141.40		
URZJC-16	10/18/2010	143.10		
URZJC-16	10/22/2010	143.00		
URZJC-16	4/25/2011	142.12		
URZJC-16	8/15/2011	139.90		
URZJC-16	8/19/2011	141.67		
URZJC-16	10/6/2011	140.65		
URZJC-16	6/14/2012	140.21		
URZJC-16	6/22/2012	139.44		
URZJC-16	10/2/2012	142.15		
URZJC-16	1/10/2013	139.90		
URZJC-16	1/10/2013	139.9		

WellID	Meas_Date	Water_Level	Gassy	Comments
URZJC-16	6/17/2013	141.80		
URZJC-16	6/17/2013	141.8		
URZJC-22	10/8/2010	112.65		
URZJC-22	10/18/2010	112.75		
URZJC-22	10/22/2010	112.51		
URZJC-22	4/25/2011	111.84		
URZJC-22	8/22/2011	109.51		
URZJC-22	9/29/2011	111.98		
URZJC-22	10/6/2011	109.12		
URZJC-22	6/14/2012	110.95		
URZJC-22	6/22/2012	108.90		
URZJC-22	12/17/2012	109.25		
URZJF-11	12/14/2010	124.83		
URZJF-11	1/5/2011	122.67		
URZJF-11	1/5/2011	58.24		
URZJF-11	5/16/2011	124.91		
URZJF-11	8/2/2011	123.66		
URZJF-11	8/30/2011	125.35		
URZJF-11	10/6/2011	123.10		
URZJF-11	11/2/2012	123.85		
URZJF-11	1/7/2013	123.68		
URZJF-11	7/22/2013	125.28		
URZJF-17	10/8/2010	59.31		
URZJF-17	10/18/2010	59.30		
URZJF-17	10/22/2010	59.32		
URZJF-17	4/25/2011	59.39		
URZJF-17	8/22/2011	58.40		
URZJF-17	10/6/2011	58.31		
URZJF-17	1/20/2012	58.46		
URZJF-17	6/14/2012	59.53		
URZJF-17	6/22/2012	51.74		
URZJF-17	9/28/2012	58.51		
URZJF-5	12/14/2010	61.70		
URZJF-5	4/8/2011	60.98		
URZJF-5	8/1/2011	58.48		
URZJF-5	9/23/2011	60.62		
URZJF-5	10/6/2011	58.54		
URZJF-5	6/22/2012	58.60		
URZJF-5	11/27/2012	59.56		
URZJF-5	2/1/2013	59.35		
URZJF-5	2/1/2013	59.35		
URZJQ-24-1	11/2/2012	13.60		
URZJQ-24-1	1/7/2013	13.12		
URZJQ-24-1	6/12/2013	15.4		
URZJQ-25	12/14/2010	12.51		
URZJQ-25	12/28/2010	13.12		
URZJQ-25	1/26/2011	9.78		
URZJQ-25	1/26/2011	10.89		
URZJQ-25	5/6/2011	10.10		
URZJQ-25	8/11/2011	9.81		
URZJQ-26	12/14/2010	11.68		
URZJQ-26	12/28/2010	11.80		
URZJQ-26	5/6/2011	8.67		
URZJQ-26	8/11/2011	8.80		