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Diablo Canyon Unit 1

Special Report 03-01: Results of Steam Generator Tube Eddy Current Inspections
During Unit 1 Eleventh Refueling Outage

Dear Commissioners and Staff:

In accordance with Diablo Canyon Power Plant Technical Specification 5.6.10.b, this special report provides the results of steam generator (SG) tube eddy current inspections performed during the Unit 1 eleventh refueling outage, completed in May 2002.

The enclosed tables provide the number and extent of tubes inspected in each SG, the location and percent through-wall penetration of each indication identified, and identification of tubes plugged.

Sincerely,

David H. Oatley

ddm/469

Enclosure

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A047

Enclosure
PG&E Letter DCL-03-054

SPECIAL REPORT 03-01

**RESULTS OF STEAM GENERATOR TUBE EDDY CURRENT INSPECTIONS
DURING UNIT 1 ELEVENTH REFUELING OUTAGE**

Introduction

Technical Specification 5.6.10.b requires that the results of steam generator tube inspections be submitted to the NRC within 12 months following completion of the inspection. The report shall include:

1. Number and extent of tubes inspected,
2. Location and percent of wall thickness penetration for each indication of an imperfection, and
3. Identification of tubes plugged.

Table 1 provides the number and extent of tubes inspected in each SG.

Table 2 provides the location and percent through-wall of each indication identified, and identifies the tubes that were plugged in the Unit 1 eleventh refueling outage (1R11). Some tubes were preventively plugged due to data quality concerns, even though no indication was detected by eddy current.

Notes:

1. Free span indications (e.g., manufacturing burnish mark) that had eddy current signals traceable to preservice inspection data are not considered as reportable indications and are not included in this report.
2. Bobbin distorted outside diameter support signals (DOS) that were not confirmed by Plus Point are not reportable indications and are not included in this report. These signals were addressed in the 90-day report for voltage-based alternate repair criteria (ARC).

Abbreviations and Terms

The following provides a definition of abbreviations and terms used in Tables 1 and 2.

SG	Steam Generator
Row	Row
Col	Column
Location	SG location codes
Inch	Distance above or below the center line of the TSP or the top of TS, inches
Bobbin	Differential inside diameter coil probe
+Point	Plus Point rotating probe
TSP	Tube support plate
TS	Tubesheet
Indication	Type of indication: Indication Code, anti-vibration bar (AVB) wear, or cold leg thinning (CLT)
ID/OD	Location of crack-like indications on tube surface, either inside diameter (ID) or outside diameter (OD)
%TW	Depth of indication as percent through-wall. 0% indicates a signal with shallow OD phase angle.
INDICATION CODES	
SAI	Single axial indication (from +Point exam) Note: SAI may be left in service for the following reasons: <ul style="list-style-type: none"> • Voltage-based ARC for axial outside diameter stress corrosion cracking (ODSCC) at TSP intersections • W* ARC for axial primary water stress corrosion cracking (PWSCC) in WEXTEx tubesheet • PWSCC ARC for axial indication(s) at dented TSP intersections
SCI	Single circumferential indication (from +Point exam)
SVI	Single volumetric indication (from +Point exam)
AONDB	Axial ODSCC not detected by bobbin coil

Table 1
Number and Extent of Tube Inspections During 1R11

SCOPE	PROBE TYPE	SG 11	SG 12	SG 13	SG 14
Full length (except Rows 1 and 2 U-bends)	Bobbin	100%	100%	100%	100%
Rows 1 and 2 U-bends	+ Point	100%	100%	100%	100%
Row 3 U-bends	+ Point	20%	NA	20%	NA
Hot Leg top-of tubesheet	+ Point	100%	100%	100%	100%
≥ 5 volt dented TSP intersections	+ Point	100% 1H to 5H, 20% (50 min) 5H to 7H	100% 1H to 6H, 20% (50 min) 7H	20% (50 min) 1H to 7H	100% 1H to 3H, 20% (50 min) 4H to 7H
>2 and < 5 volt dented TSP intersections	+ Point	100% from 1H to 5H, 20% (50 min) at 5H	100% from 1H to 6H, 20% (50 min) at 7H	20% (50 min) at 1H	100% from 1H to 3H, 20% (50 min) at 4H
Distorted OD bobbin signals at TSP intersections	+ Point	Per voltage-based repair criteria	Per voltage-based repair criteria	Per voltage-based repair criteria	Per voltage-based repair criteria
Distorted OD bobbin signals at TSP intersections in Deplugged Tubes	+ Point	100%	100%	100%	100%
Distorted ID bobbin signals at TSP intersections	+ Point	100%	100%	100%	100%
> 2 volt free span dings	+ Point	20% TSH to 7H	20% TSH to 7H	20% TSH to 7H	20% TSH to 7H
Baseline TSP ligament indications	+ Point	100%	NA	NA	100%
Repeat PWSCC at dents and TTS	+ Point	100%	100%	100%	100%

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
11	1	25						Plugged	U-Bend Data Quality - Preventive	
11	1	26						Plugged	U-Bend Data Quality - Preventive	
11	1	33	2H	-0.04	SAI	OD				
11	1	38	3H	0.06	SAI	OD				
11	1	41						Plugged	U-Bend Data Quality - Preventive	
11	1	43						Plugged	U-Bend Data Quality - Preventive	
11	1	45						Plugged	U-Bend Data Quality - Preventive	
11	1	68						Plugged	U-Bend Data Quality - Preventive	
11	1	89						Plugged	U-Bend Data Quality - Preventive	
11	2	6	TSH	-1.77	SCI	ID		Plugged	ID-SCI at TSH	
11	2	46	1H	-0.07	SAI	OD		Plugged	SAI-OD, DOS>2v at 1H	
11	3	2	TSH	-1.45	SAI	ID				
11	3	28	2H	-0.14	SAI	ID				
11	3	41	1H	-0.03	SAI	OD				
11	4	41	1H	-0.01	SAI	ID				
11	4	67	1H	-0.16	SAI	OD		Plugged	SAI-OD, DOS>2v at 1H	
11	4	92	1C	0.07	CLT		20			
11	4	92	2C	-0.09	CLT		35			
11	4	94	2C	0.11	CLT		30			
11	5	2	1H	0.02	SAI	OD				
11	5	2	1H	0.05	SAI	OD				
11	5	6	1H	0.08	SAI	OD				
11	5	6	1H	-0.04	SAI	OD				
11	5	86	1H	0.03	SAI	OD		Plugged	SAI-OD at 1H Wedge	
11	5	94	1C	0.07	CLT		0			
11	5	94	2C	0.11	CLT		9			
11	6	31	1H	0	SAI	OD				
11	6	33	4H	0.09	SAI	OD				
11	6	49	TSH	-0.02	SCI	OD		Plugged	OD-SCI at TSH	
11	6	93	1C	0.09	CLT		0			
11	7	10	1H	-0.02	SAI	OD				
11	7	37	3H	-0.1	SAI	OD				
11	8	2	2C	-0.07	CLT		0			
11	8	24	2H	0.05	SAI	OD				
11	8	32	3H	0.03	SAI	OD				
11	8	42	1H	-0.01	SAI	OD				
11	8	69	1H	0	SAI	OD				
11	8	69	1H	0	SAI	OD				
11	8	69	1H	0.01	SAI	OD				
11	9	69	2H	-0.01	SAI	OD				
11	9	82	1H	0	SAI	OD				
11	9	92	1C	-0.18	CLT		0			
11	9	93	1C	-0.29	CLT		20			

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
11	10	28	1H	0.06	SAI	OD				
11	10	39	1H	-0.03	SAI	OD				
11	10	71	1H	0	SAI	OD				
11	10	92	1C	-0.27	CLT		0			
11	10	93	1C	-0.29	CLT		15			
11	11	15	3H	-0.24	SAI	OD				
11	11	22	2H	0.08	SAI	OD				
11	11	40	2H	-0.03	SAI	OD				
11	11	93	1C	-0.25	CLT		3			
11	12	63	2H	0.02	SAI	OD				
11	12	91	1C	-0.22	CLT		18			
11	13	44	2H	0.01	SAI	OD				
11	14	12	2H	0.33	SAI	OD		Plugged	AONDB, >5v Dent at 2H	
11	14	28	2H	0.31	SAI	ID				
11	14	62	2H	-0.07	SAI	OD				
11	14	68	TSH	-0.03	SCI	OD		Plugged	OD-SCI at TSH	
11	14	83	1H	-0.05	SAI	OD				
11	14	83	2H	-0.11	SAI	OD				
11	14	87	2H	0.15	SAI	ID		Plugged	SAI-ID/OD at 2H	
11	14	87	2H	-0.16	SAI	OD		Plugged	SAI-ID/OD at 2H	
11	14	88	1H	0.03	SAI	OD				
11	15	10	TSH	-8.96	SAI	ID				
11	15	10	TSH	-8.42	SAI	ID				
11	15	16	2H	-0.04	SAI	ID				
11	15	30	2H	-0.08	SAI	OD				
11	15	76	2H	-0.12	SAI	ID				
11	15	81	2H	0.14	SAI	ID		Plugged	SAI-ID/OD at 2H	
11	15	81	2H	-0.03	SAI	OD		Plugged	SAI-ID/OD at 2H	
11	15	92	1C	-0.11	CLT		7			
11	16	45	2H	-0.07	SAI	OD		Plugged	SAI-ID/OD at 2H	
11	16	45	2H	-0.09	SAI	OD		Plugged	SAI-ID/OD at 2H	
11	16	45	2H	-0.01	SAI	ID		Plugged	SAI-ID/OD at 2H	
11	16	79	2H	-0.11	SAI	OD				
11	17	27	3H	0.1	SAI	OD				
11	17	35	7H	35	AVB wear		16			
11	17	58	TSH	-0.03	SCI	OD		Plugged	OD-SCI at TSH	
11	17	60	TSH	-0.07	SCI	ID		Plugged	ID-SCI at TSH	
11	17	74	7H	33.64	AVB wear		20			
11	17	76	1H	-0.16	SAI	OD				
11	18	31	2H	0	SAI	OD				
11	18	39	TSH	0.03	SCI	OD		Plugged	OD-SCI at TSH	
11	18	89	2C	-0.25	CLT		19			
11	19	15	3H	0.08	SAI	ID				

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
11	19	23	2H	0	SAI	OD				
11	19	31	2H	0.13	SAI	OD				
11	19	31	2H	0.04	SAI	OD				
11	19	39	1H	-0.03	SAI	OD				
11	19	46	1H	-0.01	SAI	OD				
11	19	46	1H	-0.1	SAI	OD				
11	19	52	1H	0.04	SAI	OD				
11	19	61	1H	-0.15	SAI	OD				
11	19	61	1H	-0.01	SAI	OD				
11	20	28	2H	-0.24	SAI	ID				
11	20	29	2H	0.25	SAI	ID				
11	20	33	1H	-0.14	SAI	ID				
11	20	40	1H	-0.06	SAI	OD				
11	20	40	3H	0	SAI	OD				
11	20	44	TSH	-7.9	SAI	ID				
11	20	46	2H	-0.08	SAI	OD				
11	20	88	1C	-0.25	CLT		0			
11	21	51	2H	-0.01	SAI	OD				
11	21	87	1C	-0.31	CLT		14			
11	22	23	2H	-0.3	SAI	ID				
11	22	23	2H	0.21	SAI	ID				
11	22	71	2H	0.05	SAI	OD		Plugged	SAI-ID/OD at 2H	
11	22	71	2H	0.06	SAI	ID		Plugged	SAI-ID/OD at 2H	
11	23	14	3H	-0.1	SAI	ID				
11	23	58	3H	-0.1	SAI	OD				
11	23	59	1H	0.12	SAI	OD				
11	23	59	1H	-0.01	SAI	OD				
11	23	74	1H	-0.01	SAI	OD				
11	23	87	2C	-0.04	CLT		0			
11	23	88	2C	-0.2	CLT		0			
11	24	20	2H	0.09	SAI	ID		Plugged	SAI-ID/OD at 2H	
11	24	20	2H	-0.04	SAI	OD		Plugged	SAI-ID/OD at 2H	
11	24	51	1H	0.02	SAI	OD				
11	24	67	2H	-0.05	SAI	ID				
11	24	87	2C	-0.22	CLT		9			
11	25	43	2H	0.15	SAI	OD				
11	25	57	3H	0.15	SAI	ID				
11	25	62	7H	45.03	AVB wear		20			
11	25	62	7H	63.61	AVB wear		26			
11	25	85	1C	0.09	CLT		20			
11	25	86	2C	-0.2	CLT		0			
11	26	19	2H	0.03	SAI	OD				
11	26	25	1H	0.36	SAI	ID				

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
11	26	34	1H	-0.1	SAI	OD				
11	26	56	2H	-0.03	SAI	OD				
11	26	63	1H	-0.07	SAI	OD				
11	26	86	2C	-0.2	CLT		23			
11	27	28	1H	0.12	SAI	OD				
11	27	44	2H	-0.28	SAI	OD				
11	27	47	1H	0.2	SAI	OD		Plugged	SAI-OD, DOS>2v at 1H	
11	27	75	2H	0.03	SAI	ID				
11	28	25	2H	0.06	SAI	OD				
11	28	27	1H	-0.38	SAI	ID				
11	28	27	1H	-0.12	SAI	ID				
11	28	29	1H	0.06	SAI	OD				
11	28	29	1H	-0.1	SAI	OD				
11	28	48	7H	50.51	AVB wear		19			
11	28	48	7H	73.14	AVB wear		22			
11	28	48	7H	84.74	AVB wear		27			
11	28	85	1C	-0.06	CLT		21			
11	29	29	2H	-0.05	SAI	OD				
11	29	29	2H	-0.07	SAI	OD				
11	29	37	2H	0.13	SAI	ID				
11	29	84	2C	-0.18	CLT		21			
11	30	21	2H	-0.15	SAI	ID				
11	30	30	2H	-0.05	SAI	OD				
11	30	32	1H	-0.08	SAI	OD		Plugged	SAI-OD, DOS>2v at 1H	
11	30	58	4H	-0.15	SAI	OD				
11	30	67	2H	0.09	SAI	ID				
11	30	83	1C	-0.29	CLT		26			
11	31	17	1H	0.03	SAI	OD		Plugged	SAI-OD at 1H Wedge	
11	31	81	2C	-0.23	CLT		27			
11	32	24	2H	-0.21	SAI	OD				
11	32	79	1C	0	CLT		10			
11	33	40	2H	-0.05	SAI	OD		Plugged	SAI-ID/OD at 2H	
11	33	40	2H	-0.15	SAI	ID		Plugged	SAI-ID/OD at 2H	
11	33	40	2H	-0.12	SAI	OD		Plugged	SAI-ID/OD at 2H	
11	33	55	1H	0.06	SAI	OD				
11	33	77	2C	-0.31	CLT		38			
11	33	79	1C	0.29	CLT		21			
11	34	24	3H	0.02	SAI	ID				
11	34	24	3H	0.25	SAI	ID				
11	34	79	1C	-0.34	CLT		25			
11	35	17	1C	-0.13	CLT		21			
11	35	43	2H	0.07	SAI	OD				
11	35	43	2H	-0.12	SAI	OD				

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
11	35	59	3H	0.01	SAI	ID				
11	35	76	2C	-0.2	CLT		3			
11	35	78	1C	-0.36	CLT		14			
11	36	30	2H	-0.11	SAI	OD		Plugged	SAI-ID/OD at 2H	
11	36	30	2H	0.2	SAI	OD		Plugged	SAI-ID/OD at 2H	
11	36	30	2H	-0.21	SAI	ID		Plugged	SAI-ID/OD at 2H	
11	36	73	2C	-0.18	CLT		0			
11	36	77	1C	0.22	CLT		27			
11	36	77	2C	-0.22	CLT		7			
11	37	41	2H	-0.02	SAI	OD				
11	37	45	2H	0.08	SAI	OD				
11	37	46	7H	62.91	AVB wear		36			
11	37	75	2C	-0.14	CLT		10			
11	38	41	4H	-0.26	SAI	ID				
11	38	54	2H	-0.02	SAI	OD				
11	38	72	1C	-0.32	CLT		21			
11	39	54	7H	101.6	AVB wear		28			
11	39	54	7H	66.29	AVB wear		23			
11	39	54	7H	129.7	AVB wear		21			
11	39	56	7H	131.1	AVB wear		18			
11	39	57	2H	-0.18	SAI	ID				
11	39	73	1C	-0.32	CLT		10			
11	40	43	7H	104.4	AVB wear		36	Plugged	42%TW AVB Wear	
11	40	43	7H	67.31	AVB wear		35	Plugged	42%TW AVB Wear	
11	40	43	7H	103.7	AVB wear		42	Plugged	42%TW AVB Wear	
11	40	50	1H	0.12	SAI	OD				
11	40	68	7H	68.12	AVB wear		21			
11	40	68	7H	103.1	AVB wear		28			
11	41	32	2H	-0.04	SAI	OD		Plugged	SAI-OD @ 2H Wedge	
11	41	44	7H	137.9	AVB wear		16			
11	41	44	7H	107.4	AVB wear		20			
11	41	64	2C	-0.2	CLT		18			
11	41	68	2H	0.01	SAI	OD				
11	41	68	2H	-0.14	SAI	OD				
11	42	29	2C	-0.21	CLT		31			
11	42	50	4H	0	SAI	OD				
11	42	58	2C	-0.27	CLT		14			
11	42	62	1C	-0.34	CLT		27			
11	42	65	1C	-0.36	CLT		21			
11	43	30	7H	37.89	AVB wear		25			
11	44	55	2C	0.25	CLT		10			
11	44	59	1C	-0.11	CLT		18			
11	44	60	2C	-0.29	CLT		23			

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
11	44	61	1C	-0.36	CLT		0			
11	45	59	2C	-0.27	CLT		27			
11	46	51	1C	-0.16	CLT		28			
11	46	54	1C	-0.27	CLT		2			
12	1	44	5H	0.03	SAI	OD				Depugged 1R11
12	1	57						Plugged	U-Bend Data Quality - Preventive	
12	1	64						Plugged	U-Bend Data Quality - Preventive	
12	2	1	1C	-0.21	CLT		14			
12	2	10	3H	-0.08	SAI	ID				Depugged 1R11
12	2	28	3H	-0.14	SAI	ID				Depugged 1R11
12	2	68	1H	-0.2	SAI	ID		Plugged	SVI-OD at 1H	Depugged 1R11
12	2	68	1H	-0.06	SVI	OD		Plugged	SVI-OD at 1H	Depugged 1R11
12	2	68	1H	0.23	SVI	OD		Plugged	SVI-OD at 1H	Depugged 1R11
12	2	76	2H	-0.09	SAI	ID				
12	2	78	1H	0.13	SAI	ID				
12	2	79	3H	0.05	SAI	ID				
12	2	90	3H	-0.24	SAI	OD				Depugged 1R11
12	2	90	4H	-0.38	SAI	ID				Depugged 1R11
12	2	90	4H	-0.12	SAI	ID				Depugged 1R11
12	2	92	5H	-0.41	SAI	ID				
12	2	92	5H	-0.03	SAI	ID				
12	2	92	5H	0.18	SAI	ID				
12	2	93	4H	0.17	SAI	ID				
12	3	1	1C	-0.13	CLT		3			
12	3	18	6H	-0.23	SAI	OD				
12	3	38	TSH	-0.23	SAI	ID		Plugged	SAI-ID at TSH	
12	4	1	2C	0.08	CLT		33			
12	4	48	1H	0.05	SAI	OD		Plugged	SAI-OD, >2v DOS at 1H	
12	4	48	2H	-0.26	SAI	OD		Plugged	SAI-OD, >2v DOS at 1H	
12	4	49	1H	0.05	SAI	OD				
12	4	50	2H	-0.01	SAI	OD				Depugged 1R11
12	4	54	2H	0.03	SAI	ID				Depugged 1R11
12	4	57	1H	0.06	SAI	ID				
12	4	58	1H	-0.17	SAI	ID				Depugged 1R11
12	4	58	1H	0.17	SAI	ID				Depugged 1R11
12	4	84	1H	0.04	SAI	ID				
12	4	94	1C	0.11	CLT		36			
12	5	1	2C	0.02	CLT		0			
12	5	4	1C	-0.22	CLT		33			
12	5	20	6H	-0.11	SAI	OD				
12	5	39	2H	-0.13	SAI	ID				Depugged 1R11
12	5	49	2H	-0.17	SAI	OD				Depugged 1R11
12	5	52	2H	0.02	SAI	OD				

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
12	5	59	1H	-0.1	SAI	OD		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	5	59	1H	0.06	SAI	ID		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	5	59	1H	0.09	SAI	OD		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	5	65	1H	-0.09	SAI	ID				
12	5	66	2H	-0.08	SAI	ID				
12	5	77	5H	-0.18	SAI	ID				
12	5	78	1H	0.07	SAI	ID				Deplugged 1R11
12	5	92	1H	-0.05	SAI	ID		Plugged	SAI-ID at 1H	Deplugged 1R11
12	5	93	1H	-0.08	SAI	ID				
12	6	49	1H	-0.21	SAI	OD				
12	6	51	2H	0.06	SAI	OD				
12	6	53	1H	-0.12	SAI	OD		Plugged	SAI-OD, >2v DOS at 1H	
12	6	53	1H	-0.09	SAI	OD		Plugged	SAI-OD, >2v DOS at 1H	
12	6	53	1H	0.04	SAI	OD		Plugged	SAI-OD, >2v DOS at 1H	
12	6	54	3H	-0.14	SAI	OD				
12	6	54	3H	-0.06	SAI	OD				
12	6	56	2H	-0.07	SAI	OD				
12	6	59	1H	-0.02	SAI	OD				
12	6	65	2H	0.07	SAI	OD				
12	6	65	5H	-0.01	SAI	OD				
12	6	70	2H	-0.04	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	6	70	2H	-0.03	SAI	ID		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	6	70	2H	0.25	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	6	74	3H	-0.02	SAI	ID				
12	6	81	1H	-0.17	SAI	OD				
12	6	93	1C	-0.19	CLT		23			
12	7	2	2C	-0.04	CLT		38			
12	7	4	1C	0	CLT		1			
12	7	13	1H	0.01	SAI	OD				
12	7	20	2H	-0.17	SAI	OD				
12	7	28	2H	-0.06	SAI	ID		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	7	28	2H	-0.02	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	7	31	1H	0.07	SAI	ID				
12	7	33	TSH	-1.95	SAI	ID				Deplugged 1R11
12	7	49	1H	0.04	SAI	OD				
12	7	49	1H	0.05	SAI	OD				
12	7	53	3H	0.01	SAI	ID				Deplugged 1R11
12	7	56	1H	-0.01	SAI	ID		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	7	56	1H	0.3	SAI	OD		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	7	65	2H	-0.03	SAI	OD				
12	7	68	3H	0.21	SAI	ID				
12	7	84	1H	0.02	SAI	ID		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	7	84	1H	0.31	SAI	OD		Plugged	SAI-ID/OD at 1H	Deplugged 1R11

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
12	7	85	1H	0.01	SAI	OD				
12	7	94	1C	-0.19	CLT		8			
12	8	2	2C	-0.04	CLT		42	Plugged	42%TW CLT at 2C	
12	8	15	2H	-0.01	SAI	ID				
12	8	17	1H	0.25	SAI	OD				
12	8	20	2H	-0.21	SAI	OD				
12	8	51	1H	0.01	SAI	OD		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	8	51	1H	0.01	SAI	ID		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	8	55	1H	-0.08	SAI	ID				Deplugged 1R11
12	8	57	1H	-0.16	SAI	ID				Deplugged 1R11
12	8	61	2H	-0.21	SAI	ID				
12	8	61	2H	-0.01	SAI	ID				
12	8	61	2H	0.15	SAI	ID				
12	8	66	2H	-0.23	SAI	ID				
12	8	67	1H	-0.18	SAI	OD		Plugged	SAI-ID/OD at 1H	
12	8	67	1H	0.01	SAI	ID		Plugged	SAI-ID/OD at 1H	
12	8	81	1H	-0.25	SAI	OD		Plugged	AONDB, >5v Dent at 1H	
12	8	84	1H	0.31	SCI	OD		Plugged	SCI-OD at 1H	
12	8	85	1H	0.3	SCI	OD		Plugged	SCI-OD at 1H	
12	8	86	3H	0.07	SAI	OD		Plugged	SAI-OD at 3H Wedge	
12	8	92	2C	-0.23	CLT		21			
12	8	93	1H	-0.1	SAI	ID				
12	9	3	1C	0.02	CLT		0			
12	9	3	3H	0.03	SAI	OD				
12	9	27	3H	-0.13	SAI	ID				Deplugged 1R11
12	9	28	1H	-0.23	SAI	ID		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	9	28	1H	-0.23	SAI	OD		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	9	28	1H	-0.17	SAI	OD		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	9	30	1H	0.01	SAI	ID				Deplugged 1R11
12	9	38	2H	-0.1	SAI	ID				Deplugged 1R11
12	9	45	1H	0.15	SAI	ID				Deplugged 1R11
12	9	53	1H	0.06	SAI	ID				Deplugged 1R11
12	9	56	1H	-0.24	SAI	ID				
12	9	66	2H	0.14	SAI	OD		Plugged	AONDB, >5v Dent at 2H	
12	9	70	1H	-0.15	SAI	OD		Plugged	AONDB, >5v Dent at 1H	
12	9	70	1H	-0.08	SAI	OD		Plugged	AONDB, >5v Dent at 1H	
12	9	77	1H	-0.04	SAI	ID		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	9	77	1H	0.27	SAI	OD		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	9	82	3H	0.2	SAI	ID				Deplugged 1R11
12	9	92	2C	-0.11	CLT		30			
12	10	35	1H	-0.07	SAI	OD		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	10	35	1H	0.18	SAI	ID		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	10	41	2H	-0.01	SAI	OD				

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
12	10	43	1H	0	SAI	OD				
12	10	45	2H	-0.16	SAI	OD				
12	10	49	3H	0.24	SAI	ID				Depugged 1R11
12	10	62	1H	0.03	SAI	ID				Depugged 1R11
12	10	67	1H	-0.19	SAI	ID				
12	10	68	1H	-0.11	SAI	ID				Depugged 1R11
12	10	69	2H	-0.24	SAI	ID				
12	10	80	1H	-0.21	SAI	ID				
12	10	81	1H	-0.11	SAI	OD				
12	10	83	1H	-0.19	SAI	OD		Plugged	SAI-ID/OD at 1H	Depugged 1R11
12	10	83	1H	-0.17	SAI	ID		Plugged	SAI-ID/OD at 1H	Depugged 1R11
12	10	83	1H	-0.03	SAI	OD		Plugged	SAI-ID/OD at 1H	Depugged 1R11
12	10	85	4H	0.19	SAI	ID				
12	11	18	2H	-0.21	SAI	OD				
12	11	20	2H	0.07	SAI	ID				Depugged 1R11
12	11	27	1H	-0.23	SAI	ID		Plugged	SAI-ID/OD at 1H	Depugged 1R11
12	11	27	1H	-0.05	SAI	OD		Plugged	SAI-ID/OD at 1H	Depugged 1R11
12	11	27	1H	-0.05	SAI	ID		Plugged	SAI-ID/OD at 1H	Depugged 1R11
12	11	27	1H	0.15	SAI	ID		Plugged	SAI-ID/OD at 1H	Depugged 1R11
12	11	27	2H	-0.32	SAI	OD		Plugged	SAI-ID/OD at 1H	Depugged 1R11
12	11	27	4H	0.13	SAI	OD		Plugged	SAI-ID/OD at 1H	Depugged 1R11
12	11	45	1H	0.2	SAI	ID				
12	11	47	2H	-0.19	SAI	OD		Plugged	SAI-ID/OD at 2H	Depugged 1R11
12	11	47	2H	-0.05	SAI	ID		Plugged	SAI-ID/OD at 2H	Depugged 1R11
12	11	66	3H	-0.1	SAI	ID				
12	11	71	1H	-0.14	SAI	ID				Depugged 1R11
12	11	71	1H	-0.1	SAI	ID				Depugged 1R11
12	11	75	2H	-0.17	SAI	OD				
12	11	80						Plugged	Restriction above 1H	Depugged 1R11
12	11	81	2H	0.1	SAI	ID		Plugged	SCI-ID/SAI-ID at 2H	
12	11	81	2H	0.13	SCI	ID		Plugged	SCI-ID/SAI-ID at 2H	
12	11	84	2H	-0.16	SAI	ID				Depugged 1R11
12	11	84	2H	0.15	SAI	ID				Depugged 1R11
12	11	86	1H	-0.21	SAI	ID		Plugged	SCI-OD/SAI-ID at 1H	Depugged 1R11
12	11	86	1H	0.16	SAI	ID		Plugged	SCI-OD/SAI-ID at 1H	Depugged 1R11
12	11	86	1H	0.35	SCI	OD		Plugged	SCI-OD/SAI-ID at 1H	Depugged 1R11
12	11	86	2H	-0.15	SAI	ID		Plugged	SCI-OD/SAI-ID at 1H	Depugged 1R11
12	11	86	2H	0.06	SAI	ID		Plugged	SCI-OD/SAI-ID at 1H	Depugged 1R11
12	11	87	1H	0.02	SAI	ID				Depugged 1R11
12	11	93	2C	-0.13	CLT		28			
12	12	3	1C	-0.02	CLT		25			
12	12	4	1C	-0.13	CLT		1			
12	12	46	2H	-0.11	SAI	OD				

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
12	12	65	2H	0.2	SAI	OD				
12	12	66	2H	0	SAI	ID		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	12	66	2H	0.21	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	12	76	1H	-0.27	SAI	OD				
12	12	77	1H	-0.01	SAI	ID				Deplugged 1R11
12	12	80	1H	0.02	SAI	OD		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	12	80	1H	0.18	SAI	ID		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	12	80	3H	-0.1	SAI	ID		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	12	80	6H	-0.07	SAI	OD		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	12	83	2H	0.03	SAI	OD				
12	12	84	2H	0	SAI	ID		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	12	84	2H	0.24	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	12	84	4H	-0.22	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	13	3	1C	-0.04	CLT		7			
12	13	6	2C	-0.15	CLT		30			
12	13	10	1H	-0.38	SAI	ID				
12	13	34	1H	0.14	SAI	ID				Deplugged 1R11
12	13	34	2H	-0.09	SAI	OD				Deplugged 1R11
12	13	34	2H	0.06	SAI	OD				Deplugged 1R11
12	13	44	1H	0.01	SAI	ID				Deplugged 1R11
12	13	60	2H	0.01	SAI	ID				Deplugged 1R11
12	13	66	2H	0.33	SAI	OD				
12	13	81	1H	-0.1	SAI	ID		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	13	81	1H	0.21	SAI	OD		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	13	82	5H	-0.15	SAI	OD				
12	13	83	1H	-0.23	SAI	OD				Deplugged 1R11
12	13	83	1H	-0.01	SAI	OD				Deplugged 1R11
12	13	83	1H	0.13	SAI	OD				Deplugged 1R11
12	13	83	1H	0.17	SAI	OD				Deplugged 1R11
12	13	83	3H	-0.18	SAI	OD				Deplugged 1R11
12	13	83	3H	0.2	SAI	OD				Deplugged 1R11
12	13	83	5H	-0.32	SAI	OD				Deplugged 1R11
12	13	83	5H	-0.14	SAI	OD				Deplugged 1R11
12	13	84	1H	-0.01	SAI	ID				
12	13	84	1H	0	SAI	ID				
12	13	84	2H	0.18	SAI	OD				
12	13	89	1H	-0.16	SAI	ID		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	13	89	1H	0.39	SAI	OD		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	13	92	2C	-0.06	CLT		18			
12	14	5	2C	-0.26	CLT		17			
12	14	16	4H	-0.04	SAI	ID				
12	14	30	2H	0.05	SAI	OD				
12	14	45	1H	-0.03	SAI	ID				

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
12	14	68	1H	-0.07	SAI	ID				
12	14	70	1H	-0.05	SAI	ID				
12	14	74	1H	-0.16	SAI	ID				Deplugged 1R11
12	14	76	1H	0.08	SAI	OD				
12	14	84	2H	0.22	SAI	OD				
12	14	91	1C	-0.15	CLT		16			
12	15	5	2C	-0.15	CLT		26			
12	15	42	2H	0.02	SAI	OD				
12	15	74	1H	-0.02	SAI	OD				
12	16	12	5H	-0.03	SAI	ID				
12	16	30	2H	-0.17	SAI	OD				
12	16	33	2H	0.01	SAI	OD				
12	16	40	2H	-0.03	SAI	OD				
12	16	59	2H	0.07	SAI	ID				Deplugged 1R11
12	16	73	1H	-0.26	SAI	ID		Plugged	SAI-ID/OD at 1H	
12	16	73	1H	-0.25	SAI	OD		Plugged	SAI-ID/OD at 1H	
12	16	73	1H	-0.21	SAI	ID		Plugged	SAI-ID/OD at 1H	
12	16	76	2H	-0.04	SAI	ID		Plugged	SAI-ID/OD at 2H	
12	16	76	2H	0.28	SAI	OD		Plugged	SAI-ID/OD at 2H	
12	16	82	1H	0.16	SAI	ID				Deplugged 1R11
12	16	82	4H	0.14	SAI	ID				Deplugged 1R11
12	16	85	2H	-0.23	SAI	ID				Deplugged 1R11
12	16	85	2H	-0.05	SAI	ID				Deplugged 1R11
12	16	87	2H	0.01	SAI	ID				Deplugged 1R11
12	16	88	2H	-0.02	SAI	ID				Deplugged 1R11
12	17	8	6H	-0.08	SAI	ID		Plugged	SAI-ID/OD at 6H	Deplugged 1R11
12	17	8	6H	-0.07	SAI	OD		Plugged	SAI-ID/OD at 6H	Deplugged 1R11
12	17	9	6H	-0.07	SAI	ID				Deplugged 1R11
12	17	16	3H	-0.2	SAI	OD				
12	17	24	1H	-0.05	SAI	OD				
12	17	44	1H	-0.12	SAI	OD				
12	17	45	1H	-0.07	SAI	OD				
12	17	47	1H	-0.03	SAI	OD				
12	17	54	1H	0.08	SAI	ID				Deplugged 1R11
12	17	59	1H	0.1	SAI	ID				Deplugged 1R11
12	17	66	1H	-0.02	SAI	ID				Deplugged 1R11
12	17	67	1H	-0.34	SAI	ID				Deplugged 1R11
12	17	67	1H	-0.28	SAI	ID				Deplugged 1R11
12	17	68	1H	-0.08	SAI	OD				
12	17	77	1H	-0.23	SAI	ID		Plugged	SAI-ID at 1H	Deplugged 1R11
12	17	77	1H	-0.15	SAI	ID		Plugged	SAI-ID at 1H	Deplugged 1R11
12	17	79	1H	0.29	SAI	OD				
12	17	88	2H	0.13	SAI	ID				Deplugged 1R11

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
12	18	5	2C	-0.02	CLT		46	Plugged	46%TW CLT at 2C	
12	18	22	1H	0.13	SAI	OD				
12	18	63	7H	36.83	AVB wear		17			
12	18	63	7H	49.33	AVB wear		21			
12	18	64	3H	-0.12	SAI	ID				Deplugged 1R11
12	19	14	2H	-0.01	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	19	14	2H	-0.01	SAI	ID		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	19	31	4H	-0.02	SAI	ID				
12	19	34	2H	0.16	SAI	ID				Deplugged 1R11
12	19	39	2H	0.04	SAI	OD				
12	19	39	7H	36.46	AVB wear		19			
12	19	41	1H	-0.12	SAI	OD				
12	19	41	1H	-0.02	SAI	OD				
12	19	48	1H	0.29	SAI	OD				
12	19	51	1H	-0.24	SAI	OD		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	19	51	1H	0.07	SAI	ID		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	19	57	2H	-0.08	SAI	OD				
12	19	67	7H	35.94	AVB wear		26			
12	19	67	7H	37.41	AVB wear		16			
12	19	67	7H	50.13	AVB wear		26			
12	19	67	7H	51.25	AVB wear		21			
12	19	67	7H	62.22	AVB wear		23			
12	19	74	2H	-0.11	SAI	ID				
12	19	79	1H	-0.13	SAI	OD				
12	19	79	1H	0.25	SAI	OD				
12	19	85	2H	-0.11	SAI	OD				Deplugged 1R11
12	19	85	2H	0.09	SAI	OD				Deplugged 1R11
12	19	89	2C	-0.17	CLT		6			
12	20	7	2C	-0.17	CLT		44	Plugged	44%TW CLT at 2C	
12	20	37	TSH	-1.76	SAI	ID				Deplugged 1R11
12	20	40	1H	-0.09	SAI	OD				Deplugged 1R11
12	20	40	1H	0.15	SAI	OD				Deplugged 1R11
12	20	43	3H	-0.11	SAI	OD				
12	20	48	3H	-0.04	SAI	ID				
12	20	51	1H	-0.18	SAI	OD				
12	20	51	1H	-0.05	SAI	OD				
12	20	52	2H	0.13	SAI	ID		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	20	52	2H	0.16	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	20	54	1H	0.08	SAI	OD				
12	20	58	1H	-0.16	SAI	OD		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	20	58	1H	0.04	SAI	ID		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	20	58	1H	0.19	SAI	ID		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	20	72	1H	-0.05	SAI	OD				

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
12	20	77	1H	0.01	SAI	ID				Depugged 1R11
12	20	83	1H	-0.07	SAI	OD				
12	20	87	1H	-0.01	SAI	OD		Plugged	SAI-OD, >2v DOS at 1H	
12	20	87	1H	0.01	SAI	OD		Plugged	SAI-OD, >2v DOS at 1H	
12	20	87	1H	0.02	SAI	OD		Plugged	SAI-OD, >2v DOS at 1H	
12	20	87	1H	0.05	SAI	OD		Plugged	SAI-OD, >2v DOS at 1H	
12	20	87	1H	0.08	SAI	OD		Plugged	SAI-OD, >2v DOS at 1H	
12	21	21	1H	-0.2	SAI	OD				
12	21	32	1H	0.04	SAI	OD				
12	21	37	4H	-0.07	SAI	ID		Plugged	SAI-ID/OD at 4H	Depugged 1R11
12	21	37	4H	0.13	SAI	OD		Plugged	SAI-ID/OD at 4H	Depugged 1R11
12	21	37	6H	-0.03	SAI	ID		Plugged	SAI-ID/OD at 4H	Depugged 1R11
12	21	38	1H	0.03	SAI	ID				Depugged 1R11
12	21	42	1H	-0.19	SAI	ID		Plugged	SCI-OD/SAI-OD&ID at 1H	Depugged 1R11
12	21	42	1H	0.18	SCI	OD		Plugged	SCI-OD/SAI-OD&ID at 1H	Depugged 1R11
12	21	42	1H	0.24	SAI	OD		Plugged	SCI-OD/SAI-OD&ID at 1H	Depugged 1R11
12	21	42	2H	-0.17	SAI	OD		Plugged	SCI-OD/SAI-OD&ID at 1H	Depugged 1R11
12	21	46	1H	0.23	SAI	OD				Depugged 1R11
12	21	50	1H	-0.14	SAI	ID		Plugged	SAI-ID/OD at 1H	Depugged 1R11
12	21	50	1H	0.04	SAI	ID		Plugged	SAI-ID/OD at 1H	Depugged 1R11
12	21	50	1H	0.25	SAI	OD		Plugged	SAI-ID/OD at 1H	Depugged 1R11
12	21	53	6H	-0.25	SAI	ID		Plugged	SAI-ID/OD at 6H	Depugged 1R11
12	21	53	6H	-0.11	SAI	OD		Plugged	SAI-ID/OD at 6H	Depugged 1R11
12	21	55	7H	40.41	AVB wear		25			
12	21	55	7H	57.01	AVB wear		15			
12	21	57	1H	-0.11	SAI	ID				Depugged 1R11
12	21	60	2H	-0.21	SAI	ID				
12	21	65	2H	0.01	SAI	ID				Depugged 1R11
12	21	65	7H	26.17	AVB wear		16			Depugged 1R11
12	21	65	7H	40.45	AVB wear		17			Depugged 1R11
12	21	65	7H	57.21	AVB wear		18			Depugged 1R11
12	21	72	4H	0.12	SAI	OD				
12	21	82	1H	-0.03	SAI	OD				
12	22	32	2H	-0.18	SAI	OD		Plugged	SAI-ID/OD at 2H	Depugged 1R11
12	22	32	2H	-0.1	SAI	OD		Plugged	SAI-ID/OD at 2H	Depugged 1R11
12	22	32	2H	0.22	SAI	ID		Plugged	SAI-ID/OD at 2H	Depugged 1R11
12	22	34	1H	0.18	SAI	OD		Plugged	SAI-ID/OD at 2H	Depugged 1R11
12	22	34	2H	-0.26	SAI	OD		Plugged	SAI-ID/OD at 2H	Depugged 1R11
12	22	34	2H	-0.01	SAI	ID		Plugged	SAI-ID/OD at 2H	Depugged 1R11
12	22	34	2H	0	SAI	OD		Plugged	SAI-ID/OD at 2H	Depugged 1R11
12	22	34	2H	0.34	SAI	OD		Plugged	SAI-ID/OD at 2H	Depugged 1R11
12	22	34	4H	-0.18	SAI	OD		Plugged	SAI-ID/OD at 2H	Depugged 1R11
12	22	35	7H	25.13	AVB wear		24			

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
12	22	38	1H	-0.24	SAI	OD		Plugged	SAI-ID/OD at 1H	Depugged 1R11
12	22	38	1H	-0.17	SAI	ID		Plugged	SAI-ID/OD at 1H	Depugged 1R11
12	22	38	1H	0.23	SAI	ID		Plugged	SAI-ID/OD at 1H	Depugged 1R11
12	22	38	1H	0.33	SAI	OD		Plugged	SAI-ID/OD at 1H	Depugged 1R11
12	22	42	1H	0.11	SAI	ID				Depugged 1R11
12	22	43	1H	-0.06	SAI	OD		Plugged	SAI-OD, >2v DOS at 1H	
12	22	43	1H	-0.05	SAI	OD		Plugged	SAI-OD, >2v DOS at 1H	
12	22	43	1H	-0.05	SAI	OD		Plugged	SAI-OD, >2v DOS at 1H	
12	22	54	2H	0	SAI	ID				Depugged 1R11
12	22	54	7H	0.04	SAI	OD				Depugged 1R11
12	22	55	3H	0.07	SAI	ID				
12	22	57	1H	0.06	SAI	OD				
12	22	62	2H	0.01	SAI	OD				
12	22	80	1H	-0.17	SAI	OD				
12	22	83	1H	-0.04	SAI	OD				
12	23	7	2C	-0.28	CLT		31			
12	23	17	1H	0.14	SAI	OD				Depugged 1R11
12	23	25	3H	-0.19	SAI	ID				
12	23	54	1H	0.14	SAI	ID				
12	23	71	2H	-0.2	SAI	OD				
12	23	71	2H	-0.14	SAI	OD				
12	23	82	1H	0.18	SAI	ID				
12	24	15	2H	0.09	SAI	ID		Plugged	SAI-ID at 2H	Depugged 1R11
12	24	31	1H	0.01	SAI	OD				
12	24	32	1H	0.08	SAI	OD				
12	24	48	4H	-0.27	SAI	OD				
12	24	49	2H	-0.01	SAI	OD				
12	24	55	1H	0.05	SAI	OD				
12	24	65	2H	0.08	SAI	OD				
12	24	74	1H	0.03	SAI	OD				
12	24	77	1H	-0.14	SAI	ID				
12	25	17	2H	-0.28	SAI	ID				
12	25	32	1H	-0.08	SAI	OD				
12	25	37	1H	0.05	SAI	OD				
12	25	50	2H	-0.06	SAI	ID				Depugged 1R11
12	25	55	2H	0.19	SAI	ID				
12	25	72	1H	-0.29	SAI	OD		Plugged	SAI-ID/OD at 1H	
12	25	72	1H	0.03	SAI	ID		Plugged	SAI-ID/OD at 1H	
12	25	74	1H	-0.26	SAI	ID				
12	25	78	1H	0.03	SAI	OD				
12	25	81	2H	-0.06	SAI	OD				
12	25	85	2H	0.07	SAI	OD				
12	25	85	4H	-0.09	SAI	ID				

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
12	25	87	4H	-0.05	SAI	ID				Deplugged 1R11
12	26	10	2C	-0.13	CLT		29			
12	26	17	3H	-0.15	SAI	OD				
12	26	18	5H	-0.01	SAI	OD				
12	26	22	4H	0	SAI	ID				Deplugged 1R11
12	26	27	1H	-0.03	SAI	OD				
12	26	27	1H	-0.02	SAI	OD				
12	26	32	1H	0.04	SAI	OD				
12	26	32	1H	0.04	SAI	OD				
12	26	39	2H	-0.03	SAI	ID				
12	26	52	2H	-0.03	SAI	OD				
12	26	64	2H	0.18	SAI	OD				
12	26	68	7H	28.91	AVB wear		23			
12	26	68	7H	47.24	AVB wear		20			
12	26	68	7H	67.95	AVB wear		22			
12	26	68	7H	86.8	AVB wear		28			
12	26	71	2H	0.02	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	26	71	2H	0.22	SAI	ID		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	26	73	1H	0	SAI	ID				Deplugged 1R11
12	26	77	2H	-0.07	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	26	77	2H	0.13	SAI	ID		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	26	77	2H	0.18	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	26	78	1H	-0.02	SAI	ID		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	26	78	1H	0.27	SAI	OD		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	26	79	1H	0.04	SAI	ID				
12	27	10	2C	-0.24	CLT		6			
12	27	11	1C	0.17	CLT		17			
12	27	36	2H	-0.04	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	27	36	2H	-0.01	SAI	ID		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	27	36	3H	-0.08	SAI	ID		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	27	50	1H	-0.25	SAI	ID		Plugged	SAI-ID/OD at 1H	
12	27	50	1H	-0.07	SAI	OD		Plugged	SAI-ID/OD at 1H	
12	27	55	1H	0.3	SAI	ID				
12	27	56	1H	-0.22	SAI	ID				
12	27	57	1H	-0.03	SAI	OD				Deplugged 1R11
12	27	57	1H	0	SAI	OD				Deplugged 1R11
12	27	63	2H	-0.13	SAI	ID				Deplugged 1R11
12	27	63	2H	0.21	SAI	ID				Deplugged 1R11
12	27	64	3H	-0.09	SAI	ID				
12	27	65	2H	0.07	SAI	ID				Deplugged 1R11
12	27	66	2H	0.04	SAI	OD				
12	27	67	1H	-0.18	SAI	ID				Deplugged 1R11
12	27	67	4H	-0.1	SAI	ID				Deplugged 1R11

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
12	27	69	1H	-0.09	SAI	ID				Deplugged 1R11
12	27	69	1H	0.06	SAI	ID				Deplugged 1R11
12	27	83	2H	-0.22	SAI	OD				
12	27	83	3H	0.12	SAI	OD				
12	28	11	2C	-0.13	CLT		4			
12	28	27	2H	-0.05	SAI	OD				
12	28	35	2H	-0.06	SAI	OD				
12	28	36	2H	0.06	SAI	OD				
12	28	47	3H	0.18	SAI	ID				Deplugged 1R11
12	28	50	1H	0.02	SVI	OD		Plugged	SVI-OD at 1H	
12	28	50	1H	0.06	SAI	OD		Plugged	SVI-OD at 1H	
12	28	56	1H	-0.02	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	28	56	2H	0.03	SAI	ID		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	28	56	2H	0.06	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	28	58	1H	-0.19	SAI	ID		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	28	58	1H	-0.06	SAI	OD		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	28	66	2H	0.03	SAI	ID				
12	28	68	2H	-0.25	SAI	OD		Plugged	SAI-ID/OD at 6H	Deplugged 1R11
12	28	68	3H	-0.12	SAI	OD		Plugged	SAI-ID/OD at 6H	Deplugged 1R11
12	28	68	3H	-0.01	SAI	OD		Plugged	SAI-ID/OD at 6H	Deplugged 1R11
12	28	68	6H	0.03	SAI	OD		Plugged	SAI-ID/OD at 6H	Deplugged 1R11
12	28	68	6H	0.1	SAI	ID		Plugged	SAI-ID/OD at 6H	Deplugged 1R11
12	29	12	2C	-0.13	CLT		29			
12	29	24	3H	0.2	SAI	ID				Deplugged 1R11
12	29	26	1H	-0.06	SAI	OD				
12	29	38	1H	0.06	SAI	OD				Deplugged 1R11
12	29	40	5H	-0.1	SAI	OD				
12	29	43	2H	-0.2	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	29	43	2H	0.1	SAI	ID		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	29	43	2H	0.11	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	29	49	3H	-0.23	SAI	OD				
12	29	51	2H	-0.03	SAI	ID				
12	29	56	2H	-0.19	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	29	56	2H	0.07	SAI	ID		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	29	61	3H	0.01	SAI	OD				
12	29	66	1H	0.02	SAI	ID				Deplugged 1R11
12	29	67	2H	-0.06	SAI	ID		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	29	67	2H	0.1	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	29	67	3H	-0.13	SAI	ID		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	29	69	1H	0.08	SAI	OD				
12	29	77	2H	-0.07	SAI	OD				
12	30	16	1H	-0.17	SAI	OD		Plugged	SAI-ID/OD at 1H	
12	30	16	1H	0.01	SAI	ID		Plugged	SAI-ID/OD at 1H	

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
12	30	21	2H	-0.03	SAI	OD		Plugged	OD-SAI at 2H Wedge	
12	30	21	2H	0.16	SAI	OD		Plugged	OD-SAI at 2H Wedge	
12	30	30	1H	-0.02	SAI	OD				Deplugged 1R11
12	30	30	1H	0.14	SAI	OD				Deplugged 1R11
12	30	56	1H	0.03	SAI	ID				Deplugged 1R11
12	30	62	1H	-0.12	SAI	ID				
12	30	62	1H	0.07	SAI	ID				
12	30	67	2H	-0.23	SAI	ID				Deplugged 1R11
12	31	32	1H	-0.02	SAI	OD		Plugged	SAI-ID/OD at 3H	Deplugged 1R11
12	31	32	3H	-0.23	SAI	OD		Plugged	SAI-ID/OD at 3H	Deplugged 1R11
12	31	32	3H	-0.04	SAI	ID		Plugged	SAI-ID/OD at 3H	Deplugged 1R11
12	31	32	3H	0.07	SAI	ID		Plugged	SAI-ID/OD at 3H	Deplugged 1R11
12	31	37	3H	-0.11	SAI	ID				
12	31	37	3H	0.02	SAI	ID				
12	31	44	4H	0.25	SAI	OD				
12	31	47	2H	-0.03	SAI	ID				Deplugged 1R11
12	31	53	2H	-0.19	SAI	ID				Deplugged 1R11
12	31	62	1H	-0.22	SAI	OD				
12	31	64	1H	0.09	SAI	OD				
12	31	66	4H	0.07	SAI	ID				Deplugged 1R11
12	31	68	1H	0.07	SAI	ID				Deplugged 1R11
12	31	78	5H	0.63	SAI	ID				
12	31	80	4H	-0.02	SAI	OD				
12	32	30	2H	-0.19	SAI	ID				Deplugged 1R11
12	32	37	3H	0.06	SAI	ID				
12	32	44	4H	-0.12	SAI	ID				Deplugged 1R11
12	32	45	3H	0	SAI	OD				
12	32	47	3H	-0.1	SAI	ID				Deplugged 1R11
12	32	50	7H	33.1	AVB wear		24			
12	32	50	7H	57.6	AVB wear		22			
12	32	50	7H	83.51	AVB wear		29			
12	32	52	2H	0.14	SAI	ID		Plugged	SAI-ID at 2H	Deplugged 1R11
12	32	54	1H	-0.05	SAI	OD				
12	32	54	1H	0.25	SAI	OD				
12	32	55	7H	32.47	AVB wear		20	Plugged	42%TW AVB Wear	
12	32	55	7H	57.06	AVB wear		28	Plugged	42%TW AVB Wear	
12	32	55	7H	83.86	AVB wear		42	Plugged	42%TW AVB Wear	
12	32	55	7H	108.5	AVB wear		19	Plugged	42%TW AVB Wear	
12	32	57	2H	0.09	SAI	OD		Plugged	AONDB, >5v Dent at 2H	
12	32	62	1H	-0.02	SAI	ID				
12	33	40	1H	-0.03	SAI	OD				
12	33	47	7H	86.61	AVB wear		19			
12	33	54	7H	59.28	AVB wear		13			

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
12	33	57	2H	0.12	SAI	ID				Deplugged 1R11
12	33	68	2H	0.07	SAI	ID				
12	33	71	1H	-0.02	SAI	OD				
12	33	72	4H	0.02	SAI	ID				Deplugged 1R11
12	33	73	1H	-0.07	SAI	OD		Plugged	OD-SAI at 1H Wedge	
12	34	17	1C	-0.17	CLT		19			
12	34	19	1C	-0.26	CLT		7			
12	34	36	3H	-0.05	SAI	ID				
12	34	42	2H	0.11	SAI	ID				
12	34	45	1H	-0.01	SAI	OD				
12	34	47	2H	0.05	SAI	ID				Deplugged 1R11
12	34	49	2H	-0.18	SAI	ID				Deplugged 1R11
12	34	51	6H	0.1	SAI	ID				
12	34	51	7H	88.43	AVB wear		38			
12	34	51	7H	115.1	AVB wear		21			
12	34	53	2H	-0.07	SAI	ID				Deplugged 1R11
12	34	53	2H	-0.02	SAI	ID				Deplugged 1R11
12	34	55	1H	-0.18	SAI	ID				Deplugged 1R11
12	34	57	2H	-0.11	SAI	ID				Deplugged 1R11
12	34	57	2H	0.02	SAI	ID				Deplugged 1R11
12	34	57	4H	-0.11	SAI	OD				Deplugged 1R11
12	34	58	2H	-0.01	SAI	ID				Deplugged 1R11
12	34	59	2H	0.01	SAI	ID				Deplugged 1R11
12	34	61	1H	-0.03	SAI	OD				
12	34	65	2H	0.01	SAI	ID				
12	34	66	7H	89.11	AVB wear		20			
12	34	71	1H	0.13	SAI	OD				Deplugged 1R11
12	34	71	1H	0.27	SAI	OD				Deplugged 1R11
12	35	19	1C	-0.3	CLT		16			
12	35	19	2C	-0.15	CLT		11			
12	35	45	2H	-0.31	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	35	45	2H	-0.01	SAI	ID		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	35	49	2H	-0.01	SAI	ID				Deplugged 1R11
12	35	52	3H	-0.05	SAI	ID				
12	35	56	2H	0.14	SAI	ID				
12	35	65	2H	-0.18	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	35	65	2H	-0.01	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	35	65	2H	0	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	35	65	2H	0.02	SAI	ID		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	35	65	3H	-0.1	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	35	65	3H	0.15	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	35	65	3H	0.16	SAI	OD		Plugged	SAI-ID/OD at 2H	Deplugged 1R11
12	35	68	1H	0.03	SAI	OD				

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
12	35	69	2H	-0.05	SAI	OD		Plugged	SCI-OD/SAI-OD at 2H	
12	35	69	2H	0.12	SCI	OD		Plugged	SCI-OD/SAI-OD at 2H	
12	35	70	2H	-0.05	SAI	ID				
12	36	53	1H	-0.2	SAI	OD				Deplugged 1R11
12	36	53	1H	0.32	SAI	OD				Deplugged 1R11
12	36	53	3H	-0.09	SAI	ID				Deplugged 1R11
12	36	58	7H	63.36	AVB wear		14			
12	36	60	4H	-0.11	SAI	ID				
12	36	63	7H	63.87	AVB wear		17			
12	36	63	7H	94.72	AVB wear		33			
12	36	64	7H	34.64	AVB wear		25	Plugged	40%TW AVB Wear	
12	36	64	7H	63.32	AVB wear		40	Plugged	40%TW AVB Wear	
12	36	64	7H	94.45	AVB wear		29	Plugged	40%TW AVB Wear	
12	36	68	7H	35.07	AVB wear		19			
12	36	68	7H	62.82	AVB wear		14			
12	37	19	1C	0.17	CLT		33			
12	37	30	1H	-0.07	SAI	OD		Plugged	OD-SAI at 1H Wedge	
12	37	34	3H	0.03	SCI	ID		Plugged	SCI-ID at 3H	
12	37	53	2H	-0.04	SAI	ID				Deplugged 1R11
12	37	65	1H	-0.31	SAI	ID		Plugged	SAI-ID at 1H	Deplugged 1R11
12	37	69	1H	-0.15	SAI	ID				Deplugged 1R11
12	37	69	1H	-0.01	SAI	ID				Deplugged 1R11
12	37	69	1H	0.2	SAI	ID				Deplugged 1R11
12	37	69	3H	0.17	SAI	ID				Deplugged 1R11
12	37	70	1H	0.04	SAI	ID				Deplugged 1R11
12	37	72	1H	-0.01	SAI	ID		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	37	72	1H	0.24	SAI	OD		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	37	73	3H	0.01	SAI	ID				
12	37	74	3H	0.06	SAI	ID				Deplugged 1R11
12	38	22	2C	-0.13	CLT		6			
12	38	23	2C	-0.13	CLT		37			
12	38	25	1C	-0.28	CLT		14			
12	38	25	2C	-0.06	CLT		15			
12	38	34	7H	34.99	AVB wear		14			
12	38	34	7H	65.67	AVB wear		12			
12	38	41	1H	-0.12	SAI	OD				
12	38	41	1H	0.05	SAI	OD				
12	38	49	7H	129.5	AVB wear		32			
12	38	51	7H	98.42	AVB wear		20			
12	38	51	7H	128.7	AVB wear		18			
12	38	52	7H	66.88	AVB wear		21			
12	38	53	7H	129.3	AVB wear		31			
12	38	60	7H	35.55	AVB wear		15			

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
12	38	60	7H	66.71	AVB wear		23			
12	38	64	7H	98.97	AVB wear		22			
12	38	64	7H	129.2	AVB wear		25			
12	38	66	1H	0.08	SAI	ID				
12	38	66	7H	98.78	AVB wear		19			
12	38	66	7H	128.6	AVB wear		22			
12	38	67	7H	98.15	AVB wear		17			
12	38	70	1H	-0.06	SAI	OD		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	38	70	1H	-0.04	SAI	ID		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	38	72	7H	66.47	AVB wear		19			
12	38	72	7H	98.18	AVB wear		11			
12	39	37	1H	0	SAI	OD		Plugged	OD-SAI at 1H Wedge	
12	39	51	7H	36.17	AVB wear		21			
12	39	51	7H	67.99	AVB wear		34			
12	39	51	7H	101.5	AVB wear		22			
12	39	57	7H	101.7	AVB wear		21			
12	39	66	7H	100.9	AVB wear		11			
12	39	69	7H	132.1	AVB wear		24			
12	39	70	1H	-0.1	SAI	OD				
12	39	71	7H	67.85	AVB wear		23			
12	39	71	7H	100.7	AVB wear		27			
12	40	27	1H	0	SAI	OD		Plugged	SAI-OD, >2v DOS at 1H	
12	40	42	7H	36.14	AVB wear		7			
12	40	54	7H	69.67	AVB wear		40	Plugged	40%TW AVB Wear	
12	40	54	7H	104.3	AVB wear		24	Plugged	40%TW AVB Wear	
12	40	54	7H	136.7	AVB wear		17	Plugged	40%TW AVB Wear	
12	40	56	2H	0.05	SAI	OD				
12	40	63	1H	-0.01	SAI	ID		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	40	63	1H	0.2	SAI	OD		Plugged	SAI-ID/OD at 1H	Deplugged 1R11
12	40	68	2H	-0.13	SAI	OD				
12	41	33	1C	-0.02	CLT		15			
12	41	46	7H	106.2	AVB wear		19			
12	41	50	7H	71.21	AVB wear		15			
12	41	52	7H	106.6	AVB wear		13			
12	41	54	3H	-0.26	SAI	OD				
12	42	28	2H	0.02	SAI	OD		Plugged	SAI-ID/OD at 2H	
12	42	28	2H	0.03	SAI	ID		Plugged	SAI-ID/OD at 2H	
12	42	31	1H	-0.03	SAI	OD		Plugged	OD-SAI at 1H Wedge	
12	42	55	1H	-0.01	SAI	OD				
12	42	61	2H	-0.02	SAI	OD		Plugged	OD-SAI at 2H Wedge	
12	43	32	1C	-0.17	CLT		26			
12	43	33	1C	-0.24	CLT		27			
12	43	49	3H	-0.04	SAI	ID				Deplugged 1R11

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
12	43	64	2C	-0.17	CLT		33			
12	45	42	1H	-0.02	SAI	OD				
12	45	58	1C	-0.04	CLT		7			
12	46	43	1C	-0.34	CLT		28			
13	2	14	TSH	-8.36	SVI	ID				
13	4	9	3H	-0.07	SAI	OD				
13	4	77	1H	-0.01	SAI	OD				
13	5	11	3H	-0.06	SAI	OD				
13	5	12	1H	-0.01	SAI	OD				
13	5	12	3H	0.02	SAI	OD				
13	6	36	1H	0.02	SAI	OD				
13	8	6	3H	0.02	SAI	OD		Plugged	OD-SAI at 3H Wedge	
13	8	77	1H	0.01	SAI	OD		Plugged	AONDB, >5v Dent	
13	10	47	2H	0.08	SAI	OD				
13	11	50	1H	-0.04	SAI	OD		Plugged	AONDB, >5v Dent	
13	12	34	7H	29.98	AVB wear		24	Plugged	Preventative U-bend Wear	
13	15	4	1C	-0.09	CLT		16			
13	15	64	7H	40.87	AVB wear		11			
13	16	78	3H	0	SAI	OD		Plugged	SAI-OD and ligament indication	
13	19	80	1H	0.05	SAI	OD				
13	19	88	1C	0.09	CLT		20			
13	20	33	1H	-0.06	SAI	OD				
13	21	25	7H	39.65	AVB wear		10			
13	23	33	7H	42.83	AVB wear		9			
13	23	57	7H	61.01	AVB wear		13			
13	23	57	7H	42.71	AVB wear		12			
13	25	40	7H	46.26	AVB wear		10			
13	25	82	1H	0	SAI	OD				
13	27	48	7H	71.1	AVB wear		10			
13	27	48	7H	29.15	AVB wear		10			
13	27	49	1H	-0.01	SAI	OD				
13	27	52	TSH	-0.07	SCI	OD		Plugged	OD-SCI at TSH	
13	28	45	7H	73.75	AVB wear		10			
13	28	45	7H	51.3	AVB wear		12			
13	28	52	7H	72.83	AVB wear		9			
13	28	52	7H	50.98	AVB wear		8			
13	28	56	7H	50.51	AVB wear		10			
13	28	56	7H	73.46	AVB wear		10			
13	28	63	7H	50.33	AVB wear		10			
13	29	48	7H	29.8	AVB wear		10			
13	30	45	TSH	-1.86	SAI	ID				
13	30	49	7H	99.71	AVB wear		15			
13	30	49	7H	53.79	AVB wear		11			

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
13	30	58	7H	101.8	AVB wear		19			
13	30	58	7H	78.37	AVB wear		32			
13	30	58	7H	30.02	AVB wear		24			
13	30	58	7H	53.42	AVB wear		36			
13	31	36	TSH	-2.87	SAI	ID				
13	31	49	7H	55.51	AVB wear		12			
13	32	24	2H	-0.03	SAI	OD				
13	32	38	7H	31.78	AVB wear		12			
13	32	38	7H	56.66	AVB wear		28			
13	32	40	1H	-0.12	SAI	OD				
13	32	61	7H	55.87	AVB wear		28			
13	32	61	7H	83.42	AVB wear		39			
13	32	61	7H	32.64	AVB wear		16			
13	32	61	7H	56.43	AVB wear		27			
13	32	75	2H	0.06	SAI	OD		Plugged	OD-SAI at 2H Wedge	
13	33	27	7H	86.66	AVB wear		12			
13	33	37	TSH	-5.77	SAI	ID				
13	33	40	1H	0.03	SAI	OD		Plugged	>2 volt DOS, OD-SAI at 1H	
13	33	56	7H	33.12	AVB wear		33			
13	33	56	7H	57.8	AVB wear		34			
13	33	56	7H	111.5	AVB wear		23			
13	33	56	7H	85.36	AVB wear		38			
13	33	57	7H	57.86	AVB wear		18			
13	33	64	7H	32.3	AVB wear		13			
13	33	64	7H	57.78	AVB wear		21			
13	33	64	7H	86.1	AVB wear		11			
13	34	39	7H	33.13	AVB wear		20			
13	34	58	7H	88.56	AVB wear		40	Plugged	>40%TW AVB Wear	
13	34	58	7H	59.39	AVB wear		18	Plugged	>40%TW AVB Wear	
13	34	68	7H	59.6	AVB wear		13			
13	34	78	2C	-0.25	CLT		4			
13	35	29	7H	61.08	AVB wear		13			
13	35	34	7H	92.12	AVB wear		12			
13	35	41	7H	61.11	AVB wear		11			
13	35	48	7H	61.77	AVB wear		15			
13	35	48	7H	91.41	AVB wear		14			
13	35	57	7H	61.09	AVB wear		10			
13	35	68	7H	117.4	AVB wear		10			
13	36	36	7H	62.23	AVB wear		13			
13	36	56	7H	93.64	AVB wear		21			
13	36	56	7H	62.55	AVB wear		25			
13	36	56	7H	121.9	AVB wear		15			
13	36	57	7H	93.5	AVB wear		15			

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
13	36	59	7H	93.54	AVB wear		12			
13	36	61	7H	93.92	AVB wear		34			
13	36	61	7H	62.25	AVB wear		30			
13	36	61	7H	121.2	AVB wear		20			
13	37	34	7H	97.06	AVB wear		19			
13	37	45	7H	64.01	AVB wear		27			
13	37	45	7H	122.8	AVB wear		28			
13	37	45	7H	96.82	AVB wear		36			
13	37	45	7H	124.7	AVB wear		29			
13	37	45	7H	64.85	AVB wear		26			
13	37	50	7H	63.93	AVB wear		36			
13	37	68	7H	95.63	AVB wear		11			
13	37	68	7H	64.7	AVB wear		20			
13	37	69	7H	95.41	AVB wear		27			
13	37	69	7H	64.31	AVB wear		10			
13	37	70	7H	95.38	AVB wear		20			
13	37	70	7H	64.54	AVB wear		10			
13	37	75	2C	-0.3	CLT		17			
13	38	45	7H	99.21	AVB wear		19			
13	38	45	7H	127.4	AVB wear		14			
13	38	45	7H	66.02	AVB wear		8			
13	39	45	7H	68.05	AVB wear		12			
13	39	45	7H	102.3	AVB wear		10			
13	39	46	TSH	-2.32	SAI	ID				
13	39	52	7H	67.53	AVB wear		11			
13	39	58	1H	0	SAI	OD		Plugged	OD-SAI at 1H Wedge	
13	39	58	7H	101.4	AVB wear		13	Plugged	OD-SAI at 1H Wedge	
13	39	66	7H	131.2	AVB wear		23			
13	39	69	7H	67.73	AVB wear		10			
13	40	34	7H	68.62	AVB wear		18			
13	40	34	7H	104.1	AVB wear		25			
13	40	34	7H	134	AVB wear		13			
13	40	41	7H	134.3	AVB wear		28			
13	40	41	7H	104.1	AVB wear		24			
13	40	50	3H	0	SAI	OD				
13	40	63	7H	134.8	AVB wear		14			
13	41	28	2C	-0.27	CLT		31			
13	41	50	7H	69.89	AVB wear		15			
13	41	50	7H	106.2	AVB wear		16			
13	41	50	7H	137.8	AVB wear		23			
13	41	52	7H	70.29	AVB wear		11			
13	41	52	7H	106.3	AVB wear		10			
13	41	61	7H	69.53	AVB wear		11			

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
13	41	63	2H	0.01	SAI	OD				
13	42	28	2C	-0.2	CLT		0			
13	42	32	2C	-0.18	CLT		0			
13	42	45	7H	109.3	AVB wear		10			
13	42	45	7H	72.05	AVB wear		11			
13	43	36	2C	-0.22	CLT		21			
13	43	37	2C	-0.17	CLT		12			
13	43	57	7H	37.61	AVB wear		10			
13	43	64	1C	-0.2	CLT		32			
13	45	43	2C	-0.1	CLT		0			
14	2	50	2H	-0.01	SAI	OD		Plugged	AONDB, >5 volt dent at 1H	
14	2	92	1C	-0.22	CLT		33			
14	3	44	1H	-0.07	SAI	OD				
14	3	47	1H	-0.03	SAI	OD				
14	4	3	1C	-0.2	CLT		5			
14	4	3	2C	-0.11	CLT		3			
14	4	6	3H	-0.07	SAI	OD				
14	5	72	2H	0	SAI	OD				
14	5	78	3H	-0.11	SAI	OD				
14	6	3	2C	-0.13	CLT		2			
14	7	31	1H	-0.03	SAI	OD		Plugged	AONDB, >5 volt dent at 2H	
14	8	29	1H	-0.04	SAI	OD		Plugged	>2 volt DOS, OD-SAI at 1H	
14	8	30	1H	-0.02	SVI	OD		Plugged	OD-SVI at 1H	
14	8	32	3H	0.06	SAI	OD				
14	9	2	2C	-0.22	CLT		27			
14	9	5	2C	0.09	CLT		7			
14	9	9	3H	-0.09	SAI	OD				
14	9	37	1H	-0.07	SAI	OD				
14	9	65	1H	0.05	SAI	OD				
14	11	3	2C	0.05	CLT		0			
14	11	19	3H	-0.08	SAI	OD				
14	11	25	1H	0	SAI	OD				
14	11	25	1H	-0.15	SAI	OD				
14	11	46	1H	0.09	SAI	OD				
14	11	46	1H	0.08	SAI	OD				
14	11	53	1H	-0.22	SAI	OD				
14	12	14	3H	0.05	SAI	OD				
14	12	72	1H	0.03	SAI	OD				
14	13	6	2H	0.02	SAI	OD				
14	13	10	2H	-0.06	SAI	OD				
14	13	31	1H	-0.11	SAI	OD				
14	13	51	1H	0.03	SAI	OD				
14	14	34	1H	-0.05	SAI	OD				

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
14	14	36	1H	0.06	SAI	OD				
14	15	22	7H	38.29	AVB wear		10			
14	15	29	1H	0	SAI	OD				
14	15	47	1H	-0.13	SAI	OD				
14	15	85	1H	-0.11	SAI	OD				
14	16	65	2H	0.16	SAI	OD				
14	16	66	1H	0.04	SAI	OD				
14	16	66	1H	-0.13	SAI	OD				
14	17	4	2C	-0.14	CLT		0			
14	17	6	2C	-0.02	CLT		0			
14	17	24	1H	0.39	SAI	ID				
14	17	32	1H	-0.05	SAI	OD				
14	17	39	1H	0.01	SAI	OD		Plugged	OD-SVI at 1H	
14	17	39	1H	-0.08	SVI	OD		Plugged	OD-SVI at 1H	
14	17	39	TSH	-9.38	SCI	ID		Plugged	OD-SVI at 1H	
14	17	45	1H	-0.17	SAI	OD		Plugged	AONDB, >5 volt dent at 1H	
14	18	6	2C	0.05	CLT		2			
14	19	32	1H	0.02	SAI	OD				
14	19	40	1H	0.03	SAI	OD				
14	19	47	1H	-0.01	SAI	OD				
14	20	25	1H	-0.64	SAI	ID				
14	21	51	1H	-0.1	SAI	OD				
14	21	67	5H	-0.14	SAI	ID				
14	21	76	1H	-0.14	SAI	ID				
14	21	84	1H	0.05	SAI	ID				
14	22	34	1H	-0.03	SAI	OD				
14	22	55	1H	0.02	SAI	OD		Plugged	AONDB, >5 volt dent at 1H	
14	23	7	TSH	-8.19	SAI	ID				
14	24	13	2C	-0.09	CLT		16			
14	24	56	7H	43.8	AVB wear		10			
14	24	62	1H	0.02	SAI	OD				
14	24	75	1H	0.14	SAI	OD				
14	25	60	1H	0.01	SAI	OD				
14	26	37	6H	0.17	SAI	ID				
14	26	56	7H	87.56	AVB wear		22			
14	26	61	7H	31.46	AVB wear		10			
14	27	11	2C	-0.11	CLT		24			
14	27	12	2C	-0.09	CLT		19			
14	27	34	1H	0.14	SAI	OD				
14	27	34	5H	-0.07	SAI	OD				
14	27	36	4H	-0.17	SAI	OD				
14	27	76	7H	48.23	AVB wear		13			
14	27	76	7H	70.6	AVB wear		11			

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
14	28	12	2C	-0.07	CLT		28			
14	28	57	TSH	-7.14	SAI	ID				
14	28	57	TSH	-3.16	SAI	ID				
14	28	63	1H	0.09	SAI	OD				
14	28	63	1H	0.1	SAI	OD				
14	29	34	7H	32.35	AVB wear		17			
14	29	34	7H	95.75	AVB wear		26			
14	29	34	7H	75.52	AVB wear		17			
14	29	57	2H	-0.11	SAI	OD				
14	30	59	1H	-0.14	SAI	OD				
14	31	34	7H	102.5	AVB wear		17			
14	31	34	7H	80.25	AVB wear		24			
14	31	34	7H	54.13	AVB wear		20			
14	31	42	7H	35.21	AVB wear		16			
14	31	42	7H	56.17	AVB wear		10			
14	31	55	7H	79.5	AVB wear		29			
14	31	55	7H	54.66	AVB wear		23			
14	31	64	7H	53.85	AVB wear		15			
14	31	67	7H	107.4	AVB wear		12			
14	31	67	7H	79.65	AVB wear		14			
14	31	67	7H	80.6	AVB wear		19			
14	31	72	7H	107.2	AVB wear		12			
14	32	36	7H	56.01	AVB wear		29			
14	32	36	7H	34.33	AVB wear		14			
14	32	43	7H	103	AVB wear		24			
14	33	16	2C	-0.2	CLT		0			
14	33	33	7H	85.21	AVB wear		14			
14	33	33	7H	109.6	AVB wear		15			
14	33	53	7H	35.02	AVB wear		14			
14	33	55	1H	0.02	SAI	OD				
14	33	58	1H	-0.09	SAI	OD				
14	34	16	2C	-0.22	CLT		40	Plugged	40% TW CLT at 2H	
14	34	32	7H	59.47	AVB wear		12			
14	35	20	2C	-0.16	CLT		26			
14	35	21	2C	-0.13	CLT		24			
14	35	22	2C	-0.09	CLT		15			
14	35	36	2H	0.25	SAI	ID				
14	35	44	7H	37.48	AVB wear		32			
14	35	53	7H	60.23	AVB wear		30			
14	35	53	7H	121.2	AVB wear		16			
14	35	56	3H	0.05	SAI	ID				
14	35	56	3H	-0.1	SAI	ID				
14	35	58	7H	33.29	AVB wear		18			

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
14	35	58	7H	60	AVB wear		38			
14	35	58	7H	90.23	AVB wear		13			
14	35	61	2H	-0.05	SAI	ID				
14	35	65	7H	90.26	AVB wear		23			
14	35	65	7H	60.19	AVB wear		32			
14	35	65	7H	36.36	AVB wear		20			
14	35	66	7H	36.36	AVB wear		16			
14	35	66	7H	89.8	AVB wear		21			
14	35	66	7H	60.05	AVB wear		29			
14	35	68	3H	-0.09	SAI	ID				
14	36	19	2C	-0.2	CLT		12			
14	36	46	7H	119.1	AVB wear		24			
14	36	47	1H	0.14	SAI	OD				
14	36	52	7H	92.09	AVB wear		36			
14	36	52	7H	62.76	AVB wear		32			
14	36	52	7H	124.1	AVB wear		27			
14	36	57	7H	61.39	AVB wear		22			
14	36	57	7H	34.12	AVB wear		25			
14	36	59	7H	93.47	AVB wear		13			
14	36	61	7H	123.1	AVB wear		26			
14	36	61	7H	61.67	AVB wear		38			
14	36	61	7H	124.2	AVB wear		25			
14	36	61	7H	93	AVB wear		34			
14	37	53	7H	127.8	AVB wear		16			
14	37	53	7H	94.75	AVB wear		33			
14	37	53	7H	63.8	AVB wear		15			
14	37	53	7H	37.13	AVB wear		23			
14	37	54	7H	94.82	AVB wear		11			
14	37	66	7H	63.19	AVB wear		17			
14	37	66	7H	95.09	AVB wear		10			
14	37	66	7H	37.53	AVB wear		14			
14	38	21	2C	-0.16	CLT		17			
14	38	62	7H	130.3	AVB wear		11			
14	38	69	2H	0.05	SAI	ID				
14	38	72	1H	0.32	SAI	ID				
14	39	23	2C	-0.16	CLT		11			
14	39	48	3H	0.13	SAI	ID				
14	39	58	1H	0.25	SAI	ID				
14	39	58	7H	100.2	AVB wear		26			
14	39	58	7H	133.4	AVB wear		14			
14	39	58	7H	36.25	AVB wear		11			
14	39	58	TSH	-6.2	SAI	ID				
14	39	66	1H	-0.03	SAI	OD				

Table 2
Location and Percent Through-Wall of Indications Identified During 1R11

SG	Row	Col	Loc	Inch	Ind	ID/OD	%TW	Status	Reason for Plugging	Notes
14	40	63	7H	68.02	AVB wear		11			
14	40	63	7H	103	AVB wear		12			
14	40	63	7H	68.39	AVB wear		17			
14	40	64	1H	0.08	SAI	OD				
14	40	64	7H	103.2	AVB wear		33			
14	40	64	7H	68.08	AVB wear		22			
14	40	66	7H	102.7	AVB wear		12			
14	41	63	7H	105	AVB wear		19			
14	41	63	7H	69.47	AVB wear		14			
14	42	32	1H	-0.16	SAI	OD		Plugged	AONDB, >5 volt dent at 1H	
14	42	59	7H	142.9	AVB wear		10			
14	42	61	7H	70.51	AVB wear		32			
14	43	37	7H	72.84	AVB wear		11			
14	43	46	7H	143.9	AVB wear		6			
14	43	55	2H	0.32	SCI	OD		Plugged	OD-SCI at 2H	
14	43	56	7H	110	AVB wear		36			
14	43	56	7H	145.5	AVB wear		39			
14	43	56	7H	145.9	AVB wear		26			
14	43	57	7H	145.6	AVB wear		30			
14	43	57	7H	110.4	AVB wear		34			
14	43	59	7H	111.1	AVB wear		12			
14	43	65	7H	109.6	AVB wear		33			
14	44	34	2C	-0.23	CLT		13			
14	44	57	2C	-0.04	CLT		10			
14	44	58	7H	74.07	AVB wear		11			
14	45	58	2C	-0.18	CLT		33			
14	45	58	7H	115.6	AVB wear		24			
14	46	42	1H	-0.15	SAI	ID				
14	46	44	1H	0	SAI	OD				