



**COGEMA Mining, Inc.**

**IRIGARAY and CHRISTENSEN RANCH PROJECTS**

**ANNUAL REPORT**

**WDEQ Permit To Mine No. 478**

**August 19, 2006 – August 18, 2007**

**August 2007**

**ANNUAL REPORT**  
**PERMIT TO MINE NO. 478**  
**August 19, 2006 through August 18, 2007**

This document provides the information required by the Wyoming Environmental Quality Act, Wyoming Statute 35-11-411 (a). Each section is a response to a specific request listed in the Required Annual Report Information form for large mining operations, which was provided by District III, Land Quality Division, Wyoming Department of Environmental Quality (WDEQ). Additional information reported annually, as required by Permit to Mine No. 478, is provided in Response No. 9 below.

**REQUIRED ANNUAL REPORT INFORMATION**

**1. GENERAL INFORMATION:**

Name of Permittee: COGEMA Mining, Inc.  
P.O. Box 730  
Mills, Wyoming 82644

Mining Permit Number: Permit to Mine No. 478

Date of Permit Issuance: August 18, 1978  
Amendment No. 1: March 6, 1987  
Amendment No. 2: September 12, 1988

Mineral Mined: Uranium

State and Federal Mineral Lease Numbers Inside Permit Area:

COGEMA Mining Inc.'s (COGEMA) operations are primarily conducted on federal mining claims. These claims are too numerous to list here. Claim numbers for the Irigaray (IR) mine may be found in annual reports prior to the 1988-1989 reporting period, and for the Christensen Ranch (CR) mine, in Volume II, Adjudication File of the Amendment No. 2 application for CR operations. Referenced locations in the following text are shown on specified maps located in the Report Appendices.

**2. REPORTING PERIOD:**

The annual WDEQ report period for Permit No. 478 is August 19, 2006 through August 18, 2007. However, to be consistent with past annual reports and to simplify data reporting the actual period that this report covers is: July 1, 2006 through June 30, 2007.

**3. MINING:**

- a) COGEMA ceased all mining activities on June 23, 2000. Therefore, there are no newly disturbed acres or topsoil stockpiled at the IR or CR projects during the report period.

Activities have since been devoted to groundwater restoration and final decommissioning. See Section 4 for the groundwater restoration summary.

b) Tabulated surface acreage disturbed to date is provided below:

**Irigaray Project:**

<b>Years Affected</b>	<b>Acreage</b>
All disturbances prior to August 17, 1978	9.00 Acres
August 18, 1978 - August 18, 1979	74.56 Acres
August 19, 1979 - August 18, 1980	43.38 Acres
August 19, 1980 - August 18, 1981	4.66 Acres
August 19, 1981 - August 18, 1995	0.00 Acres
August 19, 1995 - August 18, 1996	1.50 Acres
August 19, 1996 - August 18, 2007	0.00 Acres
Total	133.10 Acres

**Christensen Ranch Project:**

<b>Years Affected</b>	<b>Acreage</b>
August 19, 1988 - August 18, 1989	79.60 Acres <sup>1</sup>
August 19, 1989 - August 18, 1990	10.5 Acres <sup>2</sup>
August 19, 1990 - August 18, 1992	0.00 Acres
August 19, 1992 - August 18, 1993	106.87 Acres <sup>3</sup>
August 19, 1993 - August 18, 1994	5.00 Acres <sup>4</sup>
August 19, 1994 - August 18, 1995	40.72 Acres <sup>5</sup>
August 19, 1995 - August 18, 1996	66.26 Acres <sup>6</sup>
August 19, 1996 - August 18, 1997	33.70 Acres <sup>7</sup>
August 19, 1997 - August 18, 1998	12.98 Acres <sup>8</sup>
August 19, 1998 - August 18, 1999	95.70 Acres <sup>9</sup>
August 19, 1999 - August 18, 2000	2.53 Acres <sup>10</sup>
August 19, 2000 - August 18, 2007	0.00 Acres
Total	453.90 Acres

**GRAND TOTAL (IR & CR)**

**587.00 Acres**

<sup>1</sup>Mine Unit 3 wellfield area - 45.99, ponds & plant - 13.98, topsoil - 3.71, roads - 11.03, lay-down area - 4.88; <sup>2</sup>Unit 3 extension - 10.50; <sup>3</sup>Unit 2 wellfield, pipeline corridors & staging areas - 50.15, Unit 2 topsoil - 0.96, roads - 7.36, Unit 4 development area - 48.08, Unit 4 topsoil - 0.32; <sup>4</sup>Unit 5 lay-down area & delineation holes, - 5.00; <sup>5</sup>Unit 5 roads - 11.1, Unit 5 wellfield, pipeline corridors & staging area - 27.20, Unit 5 topsoil - 2.42; <sup>6</sup>Unit 5 wellfield & pipeline corridors - 47.8, Unit 5 roads & modules - 1.9, Unit 5 topsoil - 0.04, Unit 6 wellfield, delineation holes, & staging area - 11.1, Unit 6 topsoil - 2.52, Deep disposal well # 1 - 2.9, <sup>7</sup>Unit 6 Booster Pump Station & road - 1.8, Unit 6 wellfield, delineation holes & staging area - 29.2, Unit 6 roads & module buildings - 2.7; <sup>8</sup>Unit 7 delineation holes - 8.28, Unit 7 lay-down & borrow area - 0.22, Unit 8 delineation holes - 4.48; <sup>9</sup>Unit 7 development area & delineation holes - 42.7, Unit 8 exploration hole sealing & delineation holes - 53.0 acres; <sup>10</sup>Deep disposal well # 18-3 location & road - 2.3 acres, wellfield electrical line replacement - 0.23.

- c) Tabulated topsoil stockpile volumes and dates are provided below:

<b>Stockpile No.</b>	<b>Estimated Volume (yd<sup>3</sup>)</b>	<b>Date Stockpiled</b>
<b><u>Irigaray Project:</u></b>		
1	1,657.0	Nov. 1976*
2	267.0	Sep. 1978
3	9,748.0	Sep. 1978
4	120.0	Oct. 1978
5	2,248.0	Oct. 1978
6	9,463.0	Aug. 1979
7	1,553.0	Sep. 1979
8	630.0	Oct. 1979
9	3,032.0	Jul. 1980
10	3,369.0	Aug. 1980
11	1,444.0	Aug. 1980
12	8,771.0	Aug. 1980

\*IR stockpile No. 1 was utilized for the restoration efforts of 517 in May 2004.

**Christensen Ranch Project:**

1	71,787.0	Sep. 1988
2	17,182.0	Sep. 1988
3	14,278.0	Oct. 1988
4	16,779.0	Oct. 1988
5	6,520.0	Mar. 1993
6	1,680.0	Apr. 1993
7	8,291.2	May 1995
8	4,315.0	Jun. 1995
9	16,822.0	Jun. 1995
10	1,157.0	Apr. 1996
11	4,888.9	Jul. 1996
12	4,120.0	Jan. 1997
13	2,284.7	Feb. 1997
13*	1,230.0	May 1998
14	2,591.3	Dec. 1999

\* Note: Stockpile No. 13 was developed in two consecutive years as construction in Mine Unit 6 continued.

- d) Due to the nature of in-situ mining, no spoil material has been produced or stockpiled.
- e) There were 0 pounds of uranium as U<sub>3</sub>O<sub>8</sub> captured for the report period, as groundwater restoration operations at CR have ended. Tabulated quantity of uranium historically recovered from both projects is provided below:



<b>Year</b>	<b>Lbs. U<sub>3</sub>O<sub>8</sub></b>
December, 1978 - August 18, 1979	101,581
August 19, 1979 - August 18, 1980	122,462
August 19, 1980 - August 18, 1981	58,394
August 19, 1981 - August 18, 1982	425
August 19, 1982 - August 18, 1987	0
August 19, 1987 - August 18, 1988	127,350
August 18, 1988 - July 31, 1989	245,514
November 6, 1989 - February 1, 1990	105,030
August 19, 1990 - August 18, 1991	6,224
August 19, 1991 - July 31, 1992	239,723
August 1, 1992 - June 30, 1993	168,967
July 1, 1993 - June 30, 1994	323,726
July 1, 1994 - June 30, 1995	417,237
July 1, 1995 - June 30, 1996	713,238
July 1, 1996 - June 30, 1997	650,197
July 1, 1997 - June 30, 1998	523,237
July 1, 1998 - June 30, 1999	201,010
July 1, 1999 - June 30, 2000	146,264
July 1, 2000 - June 30, 2001	32,411
July 1, 2001 - June 30, 2002	39,415
July 1, 2002 - June 30, 2003	24,712
July 1, 2003 - June 30, 2004	17,700
July 1, 2004 - June 30, 2005	14,705
July 1, 2005 - June 30, 2006	0
July 1, 2006 - June 30, 2007	0
<b>Total</b>	<b>3,996,660</b>

- f) No new construction at the Irigaray site during the report period.
- g) No significant environmental problem areas were noted for the report period.
- h) There were no reportable spills during this report period.

**4. SURFACE RECLAMATION AND GROUNDWATER RESTORATION:**

**Surface Reclamation:**

- a) Pond dewatering and decommissioning of IR ponds A, C, D, E and RA (see IR Map - Appendix 4) was started in June 2003. Currently ponds A, C, D, RA and E have been completely emptied of sludge material, with liners and leak detection systems removed and disposed of at the Pathfinder - Shirley Basin disposal site. Reclamation of Pond D resumed in July 2006, with the removal of all sludge, liner and leak detection systems.

- b) Ponds B and RB will remain in place if mining at Christensen should resume in 2008, Ponds B and RB would be used for solution evaporation from Christensen resin processing conducted at the Irigaray central plant. It is also possible that two of the other ponds, such as Ponds A, C or RA, would be re-lined during 2008 as additional evaporative capacity. Therefore backfilling of the pond areas is on-hold pending a decision concerning the resumption of operations at Christensen.
- c) At Irigaray Production Units 1 through 9 wellfields, removal of wellheads was started in May 2007, of wells that were plugged and abandoned. Wellfield buildings and basements were removed from Production Units 5,6,7,8 and 9 during the summer of 2006. The buildings were surveyed for contamination and released off site. Soil surveys were conducted at the building locations and basements, and any contaminated soil was removed and sent to the Shirley Basin disposal site.
- d) Vegetation cover remains good in the 5I7 pond and wellfield areas where the permanent seed mix was planted in May 2004. Grasses in the area grew very well this year with the abundant rain fall received during the spring and summer.
- e) The annual noxious weed-spraying program was late starting this year due to contractor scheduling, however a contractor is starting at the time of writing this report.

**Groundwater Restoration - Irigaray Project:**

Groundwater restoration at the Irigaray Project was approved by the WDEQ in November 2005. The NRC officially approved the restoration by letter dated September 20, 2006. Well plugging and abandonment of all wells was started in October 2006, after the approval letter from the NRC was received. A total of 1093 wells were plugged and abandoned during the report period.

**Groundwater Restoration - Christensen Ranch Project:**

All groundwater restoration activities, including stabilization monitoring, ended at Christensen Ranch on May 30, 2005. The results of all wellfield restoration are currently being compiled into a report for submittal to the WDEQ and NRC. A submittal by the end of 2007 is anticipated. A summary of the activities for each mine unit follows:

**Mine Unit 2:**

All groundwater restoration work was completed in MU2 in September 2003. Stabilization monitoring began in March 2004 and was completed with the fourth sample round taken in January 2005.

**Mine Unit 3:**

All groundwater restoration work was completed in MU3 in September 2004. The first round of stabilization monitoring samples was taken in October 2004. The

fourth and final round of stabilization monitoring was conducted in July 2005.

Mine Unit 4:

Groundwater restoration work was completed in MU4 in June 2003. The first round of stabilization monitoring samples was collected in April 2004. The fourth and final round of stabilization monitoring was conducted in January 2005.

Mine Unit 5:

Groundwater restoration work was completed in MU5 in November 2003. Round one of stabilization sampling was collected in November 2003. The fourth and final round of stabilization sampling was collected in August 2004. WDEQ personnel were present to split samples for the last round.

Mine Unit 6:

The groundwater sweep phase of restoration began in September 2000 and was completed in February 2003. The reverse osmosis phase began in October 2003 and continued through May 2005. A decision was made in March 2005 to add reductant (H<sub>2</sub>S gas) to the permeate injection stream within portions of the mine unit that were not responding to RO treatment (experiencing higher uranium and selenium values than the remainder of the mine unit). The H<sub>2</sub>S injection continued through May 30 at which time all groundwater restoration was ceased. The first stabilization monitoring samples were collected from Mine Unit 6 in June 2005. The second round was sampled in September 2005, third round in December 2005, and the fourth and last round was done in March 2006.

Groundwater Restoration Maps, showing the areas where restoration is completed, are included in Appendix 5 of this report.

**Surface Reclamation – Christensen Ranch Project:**

Only one reclamation project at the CR site during this report period, the gas and the diesel tanks were removed from the area north-east of the office and relocated to the construction lay-down area. Where the tanks were removed soil samples were taken to ensure that no ground contamination had occurred; all the samples were non-detectable or below the applicable limits.

**5. MINING PLANS:**

As stated in Section 3, COGEMA ceased all mining activities on June 23, 2000. Groundwater restoration of existing wellfields at Christensen and Irigaray, and demolition of un-used facilities, has been in progress since at that time.

Due to an increase in the uranium market price, mining is anticipated to resume at Christensen Ranch during year 2008. The final decision to resume mining is still pending the Joint Participation's approval, hopefully by the end of 2007 (The Joint Participation includes COGEMA Mining, Inc. as the operator and 71% owner, Malapai Resources Company as 29% owner; decisions must be unanimous).

Assuming that mining is resumed at Christensen Ranch, the first step will be continued well installation in the remainder of Mine Unit 7 (MU7). MU7 was about 50% installed when operations were shut down in year 2000. Drilling and well installation would resume in March 2008, followed by the initiation of surface construction (connection of wells to module buildings, connection to existing main trunkline to the plant). If schedules are adhered to, and all necessary approvals obtained, lixiviant injection could resume in MU 7 as early as August 2008. In anticipation of the resumption of mining activities, a Wellfield Data Package for Mine Unit 7 was submitted for review June 4, 2007.

Because of the potential for continued operations, the reclamation bond has been revised to include the installation of new wells in MU7. Restoration estimates for MU7 have not been included in this bond estimate as it is not covered by this report period; however, a new estimate will be submitted to the agencies once final approval for operations is confirmed by the COGEMA/Malapai Joint Participation, for startup of MU7.

In parallel with the development of mining activities in Mine Unit 7 it is also anticipated that some of the former active mining areas, primarily Mine Unit 5 and potentially part of Mine Unit 6 will be re-started. Both areas were prematurely halted in the mining process and contain significant remaining resources. These areas can also provide additional flow into the Christensen Satellite plant during initial phases of Mine Unit 7 placing the plant in a better position for solution management.

A summary schedule of anticipated operation is included as Figure 1.

The resumption of mining at Christensen Ranch will also involve processing of the uranium at the Irigaray central plant facility. Reclamation of the Irigaray wellfield area is near completion with nearly all wells now plugged and abandoned. Reclamation of other Irigaray facilities not associated with uranium processing will continue.

It should be noted that no technical changes to the mine or reclamation plan are envisioned for the resumption of operations.

## **6. RECLAMATION & RESTORATION PLANS - NEXT REPORT PERIOD:**

### **Irigaray Surface Reclamation:**

Well plugging and abandonment in Production Units 1 through 9 is near completion with completion of this activity, 58 wells total, expected in 2007. Some remaining buried piping

will be removed in Production Units 6 through 9 after the wells are plugged and abandoned in these areas. After all work is completed in the wellfields, associated roads and surfaces will be reclaimed.

Final surface gamma surveys will be completed in 2007.

**Christensen Ranch Surface Reclamation:**

No surface reclamation is planned at the Christensen site for the August 2007 through July 2008 report period, assuming that mining operations should resume. It is not anticipated that the regulatory agencies will have approved the restoration packages for the Christensen wellfields in time for any plugging and abandonment of wells.

**7. MONITORING ACTIVITIES:**

**a) Groundwater Monitoring - Wellfield Monitor Wells:**

Groundwater quality at both projects is monitored by routine sampling of 327 monitor and trend wells surrounding or within the wellfields. Sampling frequency varies for these wells. Monitor wells on excursion status are sampled weekly. These wells are then sampled quarterly during post-restoration/stabilization monitoring and thereafter.

Sample data for each monitor and trend well from July 1, 2006 through June 30, 2007 are contained in Appendix 2.

Cogema had one monitor well that went on excursion status during the report period, 5MW48 was confirmed on excursion April 25, 2007 by exceeding two of the three upper control limits (UCL). Corrective action began immediately, with one recovery well being pumped. The excursion was corrected by May 23, 2007 with no (UCL) exceeded for three consecutive weeks of sampling. Written reports were sent to the WYDEQ and NRC concerning this matter and will not be duplicated in this report.

There is currently one well that remains on excursion status at CR during this reporting period. Perimeter ore zone monitor well 5MW66 went on excursion on July 21, 2004 when all three of its Upper Control Limits (UCL) were exceeded. Because MU5 has been restored, it was agreed with WDEQ that the well would be taken off excursion status but would continue to be monitored on a quarterly basis until final restoration approval of MU5. Monitoring of this well continues, with little change.

**Groundwater Monitoring - Regional Ranch Wells:**

Annual samples were collected from five regional ranch wells on July 3, 2007. Samples were delayed because of very muddy conditions. Two other ranch wells that are normally sampled have a problem with inoperable pumps and, therefore, were not sampled. When and if the ranch owner repairs or replaces the pump, annual samples will again be collected from

these wells. Regional well samples collected on July 3, 2007 were analyzed for uranium along with four other radionuclides in the decay chain. The resulting concentrations were primarily Non Detectable (ND), with the remaining concentrations within normal historical ranges. 2007 sample data are provided in Table 1 of Appendix 1. Sample data from the second half of 2006 were included with the 2006 Annual Effluent and Monitoring Report submitted to the WDEQ in February 2007.

**Underground Injection Wells:**

Two Class I injection wells are installed at the Christensen project and are licensed by WDEQ Permit Number UIC00-340 for industrial wastes. Routine injection into the wells ceased at the end of May 2005 after the completion of aquifer restoration activities at Christensen disposal well Christensen 18-3 during the report period.

As required by UIC Permit 00-340 section I, paragraph 4, "COGEMA shall shut one of the wells covered by this permit in annually for a period of time long enough to observe a valid pressure falloff curve. Each year, a well which was not tested in the previous year shall be tested, until all wells are tested in sequence." To comply with this regulation CHRISTENSEN 18-3 was tested on September 8th, 2006 by Petrotek Engineering of Littleton, Colorado performed the static bottom-hole pressure survey. The results indicated that CHRISTENSEN 18-3 "continues to be suitable for use as a Class I injector".

Quarterly disposal reports for both wells are submitted to the WDEQ - Water Quality Division in Cheyenne, Wyoming. No exceedances of the permit limits were recorded for flow, pressure or water quality during this annual report period.

**b) Surface Water Monitoring:**

Willow Creek is an intermittent stream present within the permit boundary of both the IR and CR projects. Three sample locations are designated at each site: upstream, downstream and within the permit boundary. Annual samples were collected in July 2007 from the locations where flow was available. Samples were late being taken due to very muddy conditions. Only one site, IR-17, demonstrated flow. An annual sample of the Powder River (IR-5) was also collected near the IR site, downstream from its confluence with Willow Creek.

The samples were analyzed for both radionuclide and chemical parameters. The resulting radionuclide concentrations were mostly non-detectable, with the remaining concentrations within historical ranges. The chemical parameters were also within historical ranges. 2007 sample data are contained in Table 2 of Appendix 1. Sample data from the second half of 2006 were submitted with the 2006 Annual Effluent and Monitoring Report dated February 2007.

The Federal Water Pollution Control Act and WDEQ - NPDES Program requires facilities with an approved Storm Water Discharge permit to collect water samples and report, "run-off from storm events with greater than 0.1 inches of rainfall", semi-annually in the second,

fourth and sixth year of the license period. The CR project is covered by NPDES license WYR00-0904 for the period from September 1, 2002 to August 31, 2007. Year 2007 qualifies as the sixth year of the license period. No samples were collected.

**Surface Discharge Monitoring:**

A surface discharge outfall is present at the CR project for disposal of treated groundwater generated by restoration activities. The outfall is licensed by the U.S. Environmental Protection Agency (EPA) under National Pollutant Discharge Elimination System (NPDES) permits issued by the WDEQ. No water was discharged at the CR site (Permit No. WY0033642, discharge 002) during this report period, therefore no data set is included.

**Evaporation Pond Monitoring:**

Weekly inspections are conducted on all operable evaporation ponds (currently two at IR and five at CR). No leaks were detected at either site during this report period. Pond sample analysis data are contained in Table 3 of Appendix 1. Sample data from the second half of 2006 were included with the 2006 Annual Effluent and Monitoring Report submitted in February 2007 and are repeated in this report for the reader's convenience.

c)-g) N/A.

h) Since mining activities have ceased at both projects, all wildlife monitoring has been suspended. If mining resumes at a future date, the sage grouse and raptor studies will be reinitiated.

i) Maps showing the monitored locations discussed in this section are located in Appendix 4.

**8. RECLAMATION PERFORMANCE BOND ESTIMATE:**

An updated reclamation/restoration bond estimate for August 2007 through July 2008 is provided in Appendix 3. Only minor changes have been made to the 2006 - 2007 bond estimate to account for the well plugging and abandonment reclamation work completed at the Irigaray site.

The detailed 2007-2008 reclamation bond estimate is provided in Appendix 3. Please note that the copy of the estimate in Appendix 3 has been highlighted to show the spreadsheet cells that have been revised. A summary of the revisions made to the estimate is following.

**Worksheet 1:**

- As in 2006-2007 the credit issued by the WDEQ for completion of groundwater sweep at Christensen still remains, but has not been authorized by NRC; therefore, a WDEQ estimate and NRC estimate is provided.
- No costs for the groundwater restoration of new Mine Unit 7 at Christensen are provided. Lixiviant injection (if approved by our Joint Participation) is not scheduled in the first

module of MU7 until the next reporting period (September, 2008), if all construction schedules are met. Prior to lixiviant injection, however, a new estimate will be provided to the WDEQ and NRC for their review and approval.

- Labor for groundwater restoration has been unchanged (left at 1.6 years). Truth of the matter is that all restoration at both Irigaray (now approved) and Christensen has been completed, including stability monitoring. If additional restoration is required by the agencies, we do not know at this time how much, or where. Now that Irigaray is released, the 1.6 years will now only apply to Christensen Ranch until that release is provided. This is sufficient time to cover a complete repetition of the reverse osmosis phase of treatment in Christensen Mine Unit 6, which is the largest wellfield at Christensen.
- There is no change between the 2007 bond and the 2008 estimate for the NRC estimate of \$3,358,895 (no credit for CR groundwater sweep), and no change for the WDEQ estimate of \$3,124,253.

#### **Worksheet 2:**

- Worksheet two is for equipment removal from the various areas of the plants. During the reporting period only minor portions of the equipment has been removed from the Main Process Building at Irigaray. Accordingly, the costs for this category remain the same as for 2006.
- Transportation costs for a trip to the licensed site (Shirley Basin) have been maintained at \$1,000 per load based on actual prices charged to COGEMA by Patterson Trucking, Glenrock, Wyoming. The price increase is based on fuel price increases.
- Transportation costs for a trip to the local landfill (construction debris, garbage, non-contaminated items) was checked, but has been verified as the same (\$160 per load) based on actual charges from Brubaker Backhoe Service (dump truck and operator rental).
- The overall difference between the 2007 bond and the 2008 estimate is \$0.

#### **Worksheet 3:**

- Worksheet 3 was revised to include the increase in licensed site transportation rates (\$1,000 per load).
- An error was discovered for the landfill transportation cost for the CR Office Building and Warehouse. The previous \$2.58 was replaced with \$160 per load, which changed various totals categories.
- The overall difference between the 2007 bond and the 2008 estimate is \$0.

#### **Worksheet 4:**

- Worksheet 4 addresses pond reclamation at both sites. Pond D has been partially reclaimed during this reporting period. The sludge has been removed and shipped to the licensed site. The liner and leak detection systems have also been removed and shipped to the licensed site for disposal. The last bit of contaminated soil is being removed for disposal at this writing. Accordingly, all costs for reclamation of Pond D have been



- removed with the exception of final radiation survey and pond backfill.
- The licensed site transportation rates have been increased to \$1,000 per load.
- Backfill rates of remain at \$2/Yd<sup>3</sup> consistent with the average earthmoving rate for topsoil placement at Pathfinder's Shirley Basin Mine for the 2006 tailings reclamation contract (where haul distances are much further).
- The overall difference between the 2007 bond and the 2008 estimate is \$0.

#### **Worksheet 5:**

- Worksheet 5 addresses well plugging and abandonment at both sites. For Irigaray, a total of 1,093 wells were plugged and abandoned during the reporting period. The total number of wellfield wells to be remaining to be plugged is now estimated at 58.
- The materials cost estimate has not changed for well plugging. However, for the Irigaray wells, we have recently received a bid for direct purchase of bentonite, delivered, from a local firm in Greybull. It appears that, through the direct purchase rate, we will save about \$40/ well in materials cost. Until we can confirm this, the current bond estimate will not change.
- The overall difference between the 2006 bond and the 2007 estimate is a net DECREASE of \$198,521.

#### **Worksheet 6:**

- Worksheet 6 addresses wellfield equipment removal and disposal. Section I, Wellfield Piping: all surface piping at the Irigaray site has now been removed from the wellfields. The piping has partially been disposed of, but a majority of the pipe has been sized and stacked and is available for future use (has been surveyed and meets unrestricted use limits), or disposal. Accordingly, the piping removal costs for the Irigaray surface piping have been "removed" from the bond estimate, but the transport and disposal costs remain.
- The number of wells, and thus amount of piping remains at 602. This is because surface piping was present in Production Units 1 through 5, but buried piping still exists in Units 6 through 9. The number of wells in Production Units 1 through 5 was subtracted from the total wells to estimate the buried piping in Units 6 through 9. It will be easier to remove this piping once the wells have been plugged in these areas, so removal of the piping is pending well plugging.
- Section II, Production Well Pumps: all of the pumps and tubing have been removed from the Irigaray wells in preparation for plugging and abandonment. The pumps have either been sold to Crow Butte Resources, or disposed of (some saved for Christensen Ranch). The tubing has been coiled and is in storage for use at Christensen. The costs for pump and tubing removal for Irigaray Units 1 through 9 have been deleted from the worksheet, but the cost for transport and disposal remain for the tubing.
- Transportation costs for the licensed site remain at \$1,000 per load, consistent with actual rates.
- The overall difference between the 2007 bond and the 2008 estimate is \$0.

**Worksheet 7:**

- Worksheet 7 addresses topsoil replacement and revegetation. As previously stated, the rates for topsoil haulage and placement remain at \$2/Yd<sup>3</sup>, based on average rates from PMC's 2006 tailings reclamation contract.
- Transportation rates to the licensed site remain at \$1,000 per load in Section III Wellfields, Spill Clean-up.
- The overall difference between the 2007 bond and the 2008 estimate is \$0.

**Worksheet 8:**

- Worksheet 8 addresses miscellaneous items for reclamation.
- The overall difference between the 2007 bond and the 2008 estimate is \$0.

**Table 1, Summary:**

- Table 1 is the summary of all the worksheet changes. As noted above, changes were made to each worksheet based on either volume changes, completion of the reclamation activity or changes in unit rates. The groundwater restoration unit rates and total costs were not changed for Christensen Ranch as the work is completed, and it is doubtful that the entire restoration program for each wellfield would be repeated if more restoration should be required by an agency. And, the timing for decommissioning of wellfields at Christensen is lower than currently estimated, based on the work in Module 63 of Mine Unit 6.
- Consistent with the revised bonding estimate the costs have been inflated from August 2005 to June 2007 values.
- No other changes were made to the Table 1 format (no changes in contingencies, or miscellaneous additions to the bond).
- The overall difference from all the changes made to Worksheets 1 through 8 amount to an overall change in the WDEQ bond amount of a modest DECREASE of \$2,472; and a net INCREASE of \$4,098 to the NRC amount. Essentially the decrease realized by the plugging and abandonment work, Worksheet 5, is by chance balanced by the inflation adjustment.

In summary, the new Grand Total restoration and reclamation cost for WDEQ is \$9,261,664. The NRC estimate is \$9,570,722 (NRC has not allowed any credit for the completion of groundwater sweep at Christensen Ranch as WDEQ has). We respectfully request that WDEQ approve the new bond amount of \$9,261,664.

**9. ADDITIONAL INFORMATION AS REQUESTED BY THE DIVISION:**

- a) COGEMA received no notice of violation during this report period.
- b) No orders occurred during this report period.
- a) No permit stipulations occurred during the report period.

- b) Other: The following additional information is provided to meet the reporting requirements of Section 5.10.1.1 and 5.10.1.2 of the 1996 Permit No. 478 Update Application:

1. GENERAL LOCATION MAPS

General Location Maps showing the locations of monitor wells and wellfields in conjunction with past mining activities are located in Appendix 4. Groundwater Restoration Maps showing the areas where groundwater restoration is completed are located in Appendix 5.

2. WATER QUALITY MONITORING DATA

Data were previously provided in Section 7. a).

3. PIEZOMETRIC MAPS

Piezometric maps of the monitored aquifers for IR and CR are included in Appendix 6. For the IR project these include: the shallow zone, coal zone, ore zone and deep zone. For the CR project they include: the shallow zone, ore zone and deep zone. The maps were constructed using water level data from monitor wells and production wells where applicable. This data was collected during June 2006.

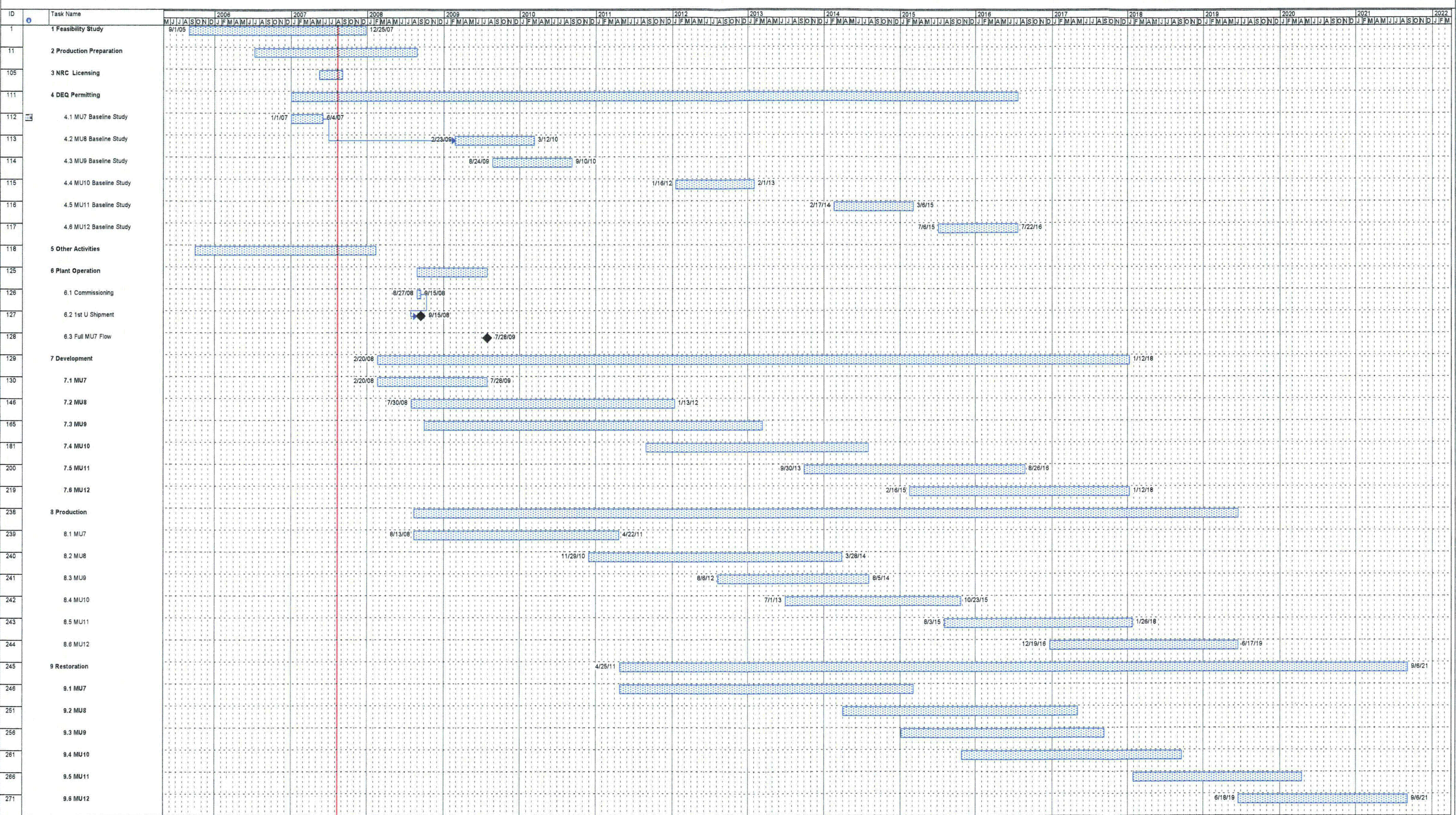
4. MECHANICAL INTEGRITY TESTING

MIT results are reported to the WDEQ by phone on a quarterly basis. One Hundred Forty Four (144) MITs were completed during the report period with two none failing the test. These data are provided as Table 4 in Appendix 1.

5. DRILL HOLES AND ABANDONED WELLS

No drill holes were completed or abandoned for exploration or mine expansion purposes. One thousand ninety three (1093) cased wells were plugged and abandoned at the Irigaray site during this report period. These data are provided as Table 5 in Appendix 1.







## **APPENDIX 1**

### **Tables 1 through 5**

**Table 1 - Ranch Wells Regional Groundwater**

**Table 2 - Surface Water Annual Samples**

**Table 3 - Evaporation Pond Samples**

**Table 4 - CR Groundwater Restoration Volumes**

**Table 5 - Mechanical Integrity Testing Summary**

Table 1

COGEMA Mining, Inc. - Irigaray and Christensen Ranch Projects  
 2007 Annual Report  
 Sample Type: Regional Groundwater (ranch wells) - Annual Samples

N/D = NON DETECTABLE

Sample Location: Christensen Ranch House #3

	July 3, 2007
Radionuclide	(uCi/ml)
Uranium	1.6 E-08
Thorium-230	N/D
Radium-226	2.0E-09
Lead-210	N/D
Polonium-210	N/D

Sample Location: Christensen Middle Artesian

	July 3, 2007
Radionuclide	(uCi/ml)
Uranium	N/D
Thorium-230	N/D
Radium-226	N/D
Lead-210	N/D
Polonium-210	N/D

Sample Location: Christensen Ellendale #4

	July 3, 2007 NO SAMPLE PUMP DOWN
Radionuclide	(uCi/ml)
Uranium	
Thorium-230	
Radium-226	
Lead-210	
Polonium-210	

Sample Location: Christensen Del Guich Lower #13

	July 3, 2007 NO SAMPLE PUMP DOWN
Radionuclide	(uCi/ml)
Uranium	
Thorium-230	
Radium-226	
Lead-210	
Polonium-210	

Sample Location: Christensen Willow Corral #32

	July 3, 2007
Radionuclide	(uCi/ml)
Uranium	N/D
Thorium-230	N/D
Radium-226	N/D
Lead-210	N/D
Polonium-210	N/D

Sample Location: Christensen First Artesian Well #1

	July 3, 2007
Radionuclide	(uCi/ml)
Uranium	1.4 E-08
Thorium-230	N/D
Radium-226	N/D
Lead-210	N/D
Polonium-210	N/D

Sample Location: Irigaray Willow # 2

	July 3, 2007
Radionuclide	(uCi/ml)
Uranium	N/D
Thorium-230	N/D
Radium-226	N/D
Lead-210	N/D
Polonium-210	N/D

LLD
(uCi/ml)
0.2 E-9 Uranium
0.2 E-9 Thorium-230
0.2 E-9 Radium-226
2.7 E-9 Lead-210
2.7 E-9 Polonium-210

J:\EXCEL\A-TABLES\G-WATER

TABLE 2 (Page 1 of 2)

COGEMA Mining, Inc. Irigaray and Christensen Ranch Projects  
2007 Annual Report

Sample Type: Surface Water, Annual Samples, July 3, 2007

Sample Location: Irigaray Project N/D = NON DETECTABLE

	Willow Creek IR-9 Downstream	Willow Creek IR-14 Upstream	Willow Creek IR-17 Mine Site	Powder River IR-5 Ranch Site	LLD	10 CFR 20 Appendix B Effluent Limit (uCi/ml)
<u>Radionuclide</u>	<u>(uCi/ml)</u>	<u>(uCi/ml)</u>	<u>(uCi/ml)</u>	<u>(uCi/ml)</u>	<u>(uCi/ml)</u>	
Uranium)	No Sample	No Sample	10.7 E-9	5.4 E-9	0.2 E-9	3.0 E-07
Thorium-230			N/D	N/D	0.2 E-9	1.0 E-07
Radium-226			N/D	N/D	0.2 E-9	6.0 E-08
Lead-210			N/D	N/D	2.7 E-9	1.0 E-08
Polonium-210			N/D	N/D	2.7 E-9	4.0 E-08
<u>Chemical Parameters</u>					<u>(mg/l)</u>	
Total Alkalinity			180	200	1	N/A
Chloride			48	327	1	N/A
TDS			3610	1840	2	N/A
Specific Conductivity			4430	2910	1	N/A
Sulfate			2440	830	1	N/A
pH			8	8.4	0.01	N/A
Arsenic			N/D	0.001	0.001	N/A
Selenium			0.003	0.002	0.001	N/A
<u>Estimated Flow Rate:</u>	No Flow	No Flow	Low	Low		
Low = <5 cfs						
Medium = 5 - 50 cfs						
High = > 50 cfs						

TABLE 2 (Page 2 of 2)

COGEMA Mining, Inc. Irigaray and Christensen Ranch Projects

2007 Annual Report

Sample Type: Surface Water, Annual Samples, July 3, 2007

Sample Location: Christensen Ranch Project N/D = NON DETECTABLE

	Willow Creek GS-01 Downstream	Willow Creek CG-05 Upstream	Willow Creek GS-03 Mine Site	LLD	10 CFR 20 Appendix B Effluent Limit (uCi/ml)
<u>Radionuclide</u>	<u>(uCi/ml)</u>	<u>(uCi/ml)</u>	<u>(uCi/ml)</u>	<u>(uCi/ml)</u>	
Uranium)	No Sample	No Sample	No Sample	0.2 E-9	3.0 E-07
Thorium-230				0.2 E-9	1.0 E-07
Radium-226				0.2 E-9	6.0 E-08
Lead-210				2.7 E-9	1.0 E-08
Polonium-210				2.7 E-9	4.0 E-08
<u>Chemical Parameters</u>				<u>(mg/l)</u>	
Total Alkalinity				1	N/A
Chloride				1	N/A
TDS				2	N/A
Specific Conductivity				1	N/A
Sulfate				1	N/A
pH				0.01	N/A
Arsenic				0.001	N/A
Selenium				0.001	N/A
<u>Estimated Flow Rate:</u>	No Flow	No Flow	No Flow		
Low = <5 cfs					
Medium = 5 - 50 cfs					
High = > 50 cfs					



TABLE 3 (PAGE 1 OF 4)

COGEMA Mining, Inc. -- Irigaray and Christensen Ranch Projects

2007 Annual Report

Sample Type: Waste Ponds (quarterly)

Sample Date: September 27, 2006

N/D = NON DETECTABLE

IR Ponds A,C,D,E &amp; R.A - empty

Pond ID #	IR-A	IR-B	IR-C	IR-D
Sulfate (mg/l)		23,900		
Chloride (mg/l)		233,000		
NH4 as N (mg/l)		4.5		
NO3 & NO2 as N (mg/l)		0.52		
TDS (mg/l)		343,000		
Conductivity		219,000		
pH		7.7		
Zinc (mg/l)		0.16		
Uranium (mg/l)		1250		
Radium 226 (pCi/l)		26.5± 4.3		

Pond ID #	IR-E	IR-RA	IR-RB	CR-P1
Sulfate (mg/l)			17,700	487
Chloride (mg/l)			77,600	160
NH4 as N (mg/l)			1.2	1
NO3 & NO2 as N (mg/l)			0.68	N/D
TDS (mg/l)			162,000	1,740
Conductivity			155,000	2,480
pH			8.9	8.7
Zinc (mg/l)			N/D	N/D
Uranium (mg/l)			944	0.1
Radium 226 (pCi/l)			26.2± 4.1	0.53± 0.76

Pond ID #	CR-1	CR-2	CR-3	CR-4
Sulfate (mg/l)	761	1,740	1,990	2,260
Chloride (mg/l)	321	9,780	12,400	18,000
NH4 as N (mg/l)	0.3	0.3	0.3	0.4
NO3 & NO2 as N (mg/l)	0.19	0.12	0.11	N/D
TDS (mg/l)	2,700	21,200	29,400	40,500
Conductivity	3,690	32,500	43,500	57,400
pH	9.9	8.9	9	8.6
Zinc (mg/l)	N/D	N/D	N/D	N/D
Uranium (mg/l)	7.85	11.5	12.6	12.1
Radium 226 (pCi/l)	21.1± 3.7	87.5± 7.3	61.0± 6.1	51.4± 5.6

TABLE 3 (Page 2 of 4)

COGEMA Mining, Inc. -- Irigaray and Christensen Ranch Projects

2007 Annual Report

Sample Type: Waste Ponds (quarterly)

Sample Date: November 15, 2006

N/D = NON DETECTABLE

IR Ponds A,C,D,E &amp; R.A - empty

Pond ID #	IR-A	IR-B	IR-C	IR-D
Sulfate (mg/l)		16,000		
Chloride (mg/l)		134,000		
NH4 as N (mg/l)		4.8		
NO3 & NO2 as N (mg/l)		1.08		
TDS (mg/l)		308,000		
Conductivity		214,000		
pH		6.7		
Zinc (mg/l)		9.36		
Uranium (mg/l)		1490		
Radium 226 (pCi/l)		78.2± 6.8		

Pond ID #	IR-E	IR-RA	IR-RB	CR-P1
Sulfate (mg/l)			11,200	<b>Pond Dry</b>
Chloride (mg/l)			98,300	
NH4 as N (mg/l)			0.8	
NO3 & NO2 as N (mg/l)			0.43	
TDS (mg/l)			193,000	
Conductivity			175,000	
pH			9	
Zinc (mg/l)			0.73	
Uranium (mg/l)			1270	
Radium 226 (pCi/l)			31.7± 4.4	

Pond ID #	CR-1	CR-2	CR-3	CR-4
Sulfate (mg/l)	665	1,120	2,590	2,110
Chloride (mg/l)	296	8,720	21,200	20,700
NH4 as N (mg/l)	N/D	N/D	N/D	N/D
NO3 & NO2 as N (mg/l)	N/D	0.06	N/D	N/D
TDS (mg/l)	2,620	19,100	47,100	42,200
Conductivity	3,480	28,600	63,700	60,300
pH	10	8.9	9.1	8.7
Zinc (mg/l)	N/D	N/D	0.08	N/D
Uranium (mg/l)	7.24	11.5	21.7	19.9
Radium 226 (pCi/l)	39.8± 4.9	84.8± 7.5	73.4± 6.8	77.0± 6.9

TABLE 3 ( Page 3 OF 4 )

COGEMA Mining, Inc. -- Irigaray and Christensen Ranch Projects

2007 Annual Report

Sample Type: Waste Ponds (quarterly)

Sample Date: March 8, 2007

N/D = NON DETECTABLE

IR ponds B &amp; RB were snowed in NO SAMPLE IR Ponds A,C,D,E &amp; R.A - empty

Pond ID #	IR-A	IR-B	IR-C	IR-D
Sulfate (mg/l)		No Sample		
Chloride (mg/l)				
NH4 as N (mg/l)				
NO3 & NO2 as N (mg/l)				
TDS (mg/l)				
Conductivity				
pH				
Zinc (mg/l)				
Uranium (mg/l)				
Radium 226 (pCi/l)				

Pond ID #	IR-E	IR-RA	IR-RB	CR-P1
Sulfate (mg/l)			No Sample	<b>Pond Dry</b>
Chloride (mg/l)				
NH4 as N (mg/l)				
NO3 & NO2 as N (mg/l)				
TDS (mg/l)				
Conductivity				
pH				
Zinc (mg/l)				
Uranium (mg/l)				
Radium 226 (pCi/l)				

Pond ID #	CR-1	CR-2	CR-3	CR-4
Sulfate (mg/l)	37	40	1,990	3,880
Chloride (mg/l)	9	339	15,500	34,700
NH4 as N (mg/l)	0.2	N/D	N/D	0.2
NO3 & NO2 as N (mg/l)	0.06	N/D	0.32	N/D
TDS (mg/l)	280	870	31,300	59,100
Conductivity	240	1,740	45,700	79,600
pH	7.7	7.9	9	8.4
Zinc (mg/l)	N/D	N/D	N/D	N/D
Uranium (mg/l)	0.212	0.215	9.89	25.7
Radium 226 (pCi/l)	12.4± 2.8	4.8± 1.8	31.6± 4.7	63.8± 6.6

TABLE 3 (Page 4 OF 4)

COGEMA Mining, Inc. -- Irigaray and Christensen Ranch Projects

2007 Annual Report

Sample Type: Waste Ponds (quarterly)

Sample Date: June 28, 2007

N/D = NON DETECTABLE

IR Ponds A,C,D,E &amp; R.A - empty

Pond ID #	IR-A	IR-B	IR-C	IR-D
Sulfate (mg/l)		9,590		
Chloride (mg/l)		230,000		
NH4 as N (mg/l)		0.3		
NO3 & NO2 as N (mg/l)		0.14		
TDS (mg/l)		323,000		
Conductivity		221,000		
pH		8.2		
Zinc (mg/l)		0.11		
Uranium (mg/l)		287		
Radium 226 (pCi/l)		231± 13		

Pond ID #	IR-E	IR-RA	IR-RB	CR-P1
Sulfate (mg/l)			12,700	<b>Pond Dry</b>
Chloride (mg/l)			29,600	
NH4 as N (mg/l)			0.5	
NO3 & NO2 as N (mg/l)			N/D	
TDS (mg/l)			74,600	
Conductivity			85,500	
pH			9.6	
Zinc (mg/l)			0.03	
Uranium (mg/l)			401	
Radium 226 (pCi/l)			10.0± 2.7	

Pond ID #	CR-1	CR-2	CR-3	CR-4
Sulfate (mg/l)	844	2,700	6,630	6,910
Chloride (mg/l)	337	13,600	43,800	55,100
NH4 as N (mg/l)	N/D	N/D	N/D	N/D
NO3 & NO2 as N (mg/l)	0.12	0.11	0.16	0.18
TDS (mg/l)	2,630	27,900	81,200	98,200
Conductivity	3,560	40,500	102,000	119,000
pH	9.9	9.1	9.1	8.7
Zinc (mg/l)	N/D	N/D	N/D	N/D
Uranium (mg/l)	7.38	18.4	42.3	62.5
Radium 226 (pCi/l)	52.8± 6.2	62.1± 6.6	41.9± 5.3	73.9± 7.1

WELL_ID	INTEGRITY	INT_DATE	CASING_TYPE	BOTTOM_CASING_DEPTH
7BE70-1	P	7/5/2006	PVC	582
7BG75-1	P	7/10/2006	PVC	567
7BG76-1	P	7/10/2006	PVC	555
7BH75-1	P	7/10/2006	PVC	567
7BH73-1	P	7/10/2006	PVC	570
7BJ82-1	P	7/11/2006	PVC	561
7BI75-1	P	7/11/2006	PVC	567
7BI77-1	P	7/11/2006	PVC	568
NPHW-14	P	7/11/2006	PVC	582
7AU63-1	P	7/12/2006	PVC	452
7AV64-2	P	7/12/2006	PVC	440
7AU69-2	P	7/18/2006	PVC	370
7AV54-2	P	7/18/2006	PVC	405
7AT67-1	P	7/18/2006	PVC	366
7BH92-2	P	7/20/2006	PVC	598
7BG92-1	P	7/20/2006	PVC	553
7AY77-2	P	7/20/2006	PVC	475
7AY78-1	P	7/24/2006	PVC	595
7AZ79-1	P	7/24/2006	PVC	548
7AZ78-3	P	7/24/2006	PVC	548
7AZ78-4	P	7/24/2006	PVC	589
7AZ80-1	P	7/24/2006	PVC	549
7AZ81-2	P	7/24/2006	PVC	548
7AZ81-1	P	7/24/2006	PVC	546
7AY81-2	P	7/25/2006	PVC	471
7AZ79-2	P	7/26/2006	PVC	472
NPHW-16	P	7/26/2006	PVC	594
7AX80-1	P	7/26/2006	PVC	565
7AY76-1	F	8/3/2006	PVC	593
7AX79-2	P	8/3/2006	PVC	609
7AW80-1	P	8/3/2006	PVC	606
7AV82-1	P	8/3/2006	PVC	583
7AY88-1	P	8/3/2006	PVC	605
7AW82-1	P	8/3/2006	PVC	591
7AY82-3	P	8/7/2006	PVC	543
7AY83-1	P	8/7/2006	PVC	572
7AY85-3	P	8/7/2006	PVC	583
7AZ83-3	P	8/7/2006	PVC	554
7AZ85-3	P	8/7/2006	PVC	485
7AZ83-4	P	8/7/2006	PVC	472
7AU80-1	P	8/8/2006	PVC	580
7AU82-2	P	8/8/2006	PVC	575
7AU83-1	P	8/8/2006	PVC	364
7AU84-2	P	8/8/2006	PVC	365
7AU84-1	P	8/8/2006	PVC	572
7AV83-1	P	8/9/2006	PVC	572
7AW83-1	P	8/9/2006	PVC	365
7AV85-1	P	8/9/2006	PVC	365
7AW85-1	P	8/9/2006	PVC	560
7AW84-1	P	8/9/2006	PVC	560

7AW84-3	P	8/9/2006	PVC	558
7AX85-1	P	8/10/2006	PVC	557
7AW86-1	P	8/10/2006	PVC	552
7AX85-2	P	8/10/2006	PVC	575
7AX86-1	P	8/10/2006	PVC	583
7AX87-2	P	8/10/2006	PVC	558
7AX87-1	P	8/10/2006	PVC	564
7AW88-2	P	8/10/2006	PVC	360
7AW87-2	P	8/14/2006	PVC	363
7AW87-1	P	8/14/2006	PVC	562
7AV86-1	P	8/14/2006	PVC	560
7AU86-1	P	8/14/2006	PVC	362
7AU85-1	P	8/14/2006	PVC	570
7AU88-2	P	8/15/2006	PVC	565
7AU90-1	P	8/15/2006	PVC	355
NPHW-9A	P	8/15/2006	PVC	550
7AV89-1	P	8/15/2006	PVC	558
7AV88-1	P	8/15/2006	PVC	360
7AU88-1	P	8/16/2006	PVC	358
7AW88-3	P	8/16/2006	PVC	380
7AX88-1	P	8/16/2006	PVC	558
7AX88-2	P	8/16/2006	PVC	605
7AX89-1	P	8/16/2006	PVC	568
7AY89-1	P	8/16/2006	PVC	565
7AZ89-1	P	8/17/2006	PVC	576
7AZ88-4	P	8/17/2006	PVC	578
7AY86-1	P	8/17/2006	PVC	580
7AX75-1	P	8/17/2006	PVC	484
7AU93-2	P	8/17/2006	PVC	572
7AV97-1	P	8/17/2006	PVC	610
7BF96-1	P	8/22/2006	PVC	515
7BG100-1	P	8/22/2006	PVC	509
7BD102-1	P	8/22/2006	PVC	492
7BC107-2	P	8/22/2006	PVC	525
NPHW-13	P	8/23/2006	PVC	542
7BH120-1	P	8/23/2006	PVC	613
7BH118-1	P	8/23/2006	PVC	538
7BG112-1	P	8/23/2006	PVC	517
7AU102-1	P	8/28/2006	PVC	607
NPHW-8	P	8/28/2006	PVC	612
7AT105-2	P	8/28/2006	PVC	572
7AT103-1	P	8/28/2006	PVC	580
7AT102-1	P	8/28/2006	PVC	588
7AU103-3	P	8/28/2006	PVC	605
7AT100-2	P	8/29/2006	PVC	596
7AT98-1	P	8/29/2006	PVC	601
7AT97-1	P	8/29/2006	PVC	600
7AU100-1	P	8/29/2006	PVC	605
7AU102-2	P	8/29/2006	PVC	613
7AV101-1	P	8/30/2006	PVC	621
7AV98-1	P	8/30/2006	PVC	620

7AU98-1	P	8/30/2006	PVC	598
7AT95-1	P	8/30/2006	PVC	584
7BI84-1	P	8/30/2006	PVC	564
7BI88-1	P	8/31/2006	PVC	565
7BJ86-1	P	8/31/2006	PVC	564
7BI85-2	P	8/31/2006	PVC	560
7AZ77-3	P	8/31/2006	PVC	546
7BE66-1	P	9/5/2006	PVC	584
7BC57-3	P	9/5/2006	PVC	566
7AV56-1	P	9/5/2006	PVC	415
7AV58-3	P	9/5/2006	PVC	376
7AV122-1	P	9/6/2006	PVC	605
7AU114-2	P	9/6/2006	PVC	566
7AU96-1	P	9/6/2006	PVC	579
7AU130-1	P	9/7/2006	PVC	623
7AT129-1	P	9/7/2006	PVC	504
7AU146-1	P	9/7/2006	PVC	647
7AT142-1	P	9/7/2006	PVC	529
7AU138-1	P	9/7/2006	PVC	685
7AZ59-1	P	9/28/2006	PVC	540
7AZ57-1	P	10/2/2006	PVC	540
5BM164-1	P	6/25/2007	PVC	422
5BM162-1	P	6/25/2007	PVC	420
5BN163-1	P	6/25/2007	PVC	422
5BI61-1	P	6/26/2007	PVC	421
5BO160-2	P	6/26/2007	PVC	430
5BO162-2	P	6/26/2007	PVC	425
5BM165-1	P	6/26/2007	PVC	424
5BN162-2	P	6/26/2007	PVC	421
5BO163-1	P	6/26/2007	PVC	425
5BO161-1	P	6/26/2007	PVC	421
5BN164-1	P	6/26/2007	PVC	424
5BP159-1	P	6/27/2007	PVC	427
5BN159-1	P	6/27/2007	PVC	415
5BO156-1	P	6/27/2007	PVC	415
5BO158-1	P	6/27/2007	PVC	424
5BP158-1	P	6/27/2007	PVC	427
5BO159-1	P	6/28/2007	PVC	419
5BN160-1	P	6/28/2007	PVC	419
5BP157-1	P	6/28/2007	PVC	420
5BO157-1	P	6/28/2007	PVC	420
5BQ155-1	P	6/28/2007	PVC	431
5BQ153-1	P	6/28/2007	PVC	435

LOWER_PACKER_DEPTH	INITIAL_PRESSURE	FINAL_PRESSURE	PRESSURE_LOSS
570	168	156	12
560	168	159	9
540	168	154	14
560	168	156	12
560	168	158	10
550	168	154	14
560	168	154	14
560	168	156	12
570	168	158	10
440	168	154	14
430	168	156	12
360	168	158	10
400	168	154	14
360	168	162	6
590	168	156	12
540	168	156	12
460	168	158	10
580	168	154	14
540	168	158	10
540	168	156	12
580	168	158	10
540	168	156	12
540	168	158	10
540	168	158	10
460	168	156	12
460	168	160	8
580	168	162	6
560	168	160	8
600	168	158	10
600	168	156	12
570	168	160	8
590	168	154	14
580	168	158	10
530	168	156	12
560	168	154	14
570	168	156	12
540	168	156	12
470	168	156	12
460	168	158	10
570	168	160	8
570	168	156	12
350	168	158	10
350	168	154	14
560	168	158	10
560	168	158	10
350	168	156	12
350	168	160	8
550	168	155	13
550	168	158	10



550	168	156	12
550	168	158	10
540	168	154	14
570	168	156	12
570	168	158	10
550	168	160	8
550	168	156	12
350	168	158	10
350	168	154	14
550	168	160	8
550	168	158	10
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560	168	156	12
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340	168	160	8
540	168	154	14
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370	168	156	12
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560	168	154	14
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570	168	156	12
570	168	160	8
570	168	158	10
470	168	158	10
560	168	154	14
600	168	158	10
510	168	154	14
480	168	158	10
490	168	154	14
510	168	156	12
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580	168	156	12
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600	168	160	8
610	168	156	12
610	168	154	14

580	168	158	10
570	168	156	12
550	168	158	10
550	168	160	8
550	168	156	12
550	168	154	14
540	168	158	10
570	168	154	14
560	168	158	10
410	168	154	4
350	168	158	10
600	168	160	8
560	168	156	12
570	168	154	14
610	168	156	12
490	168	154	14
630	168	158	10
520	168	156	12
670	168	156	12
530	168	160	8
530	168	158	10
410	168	156	12
410	168	156	12
410	168	154	14
411	168	162	4
420	168	160	8
415	168	158	10
412	168	160	8
410	168	156	12
410	168	158	10
411	168	162	6
412	168	158	10
420	168	160	8
410	168	162	6
405	168	154	14
410	168	154	14
420	168	154	14
410	168	158	10
410	168	168	8
410	168	160	12
410	168	154	14
420	168	158	10
420	168	154	14

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WELL_ID	DH_TYPE	DH_STATUS	PERMIT_AREA	MODULE	PHASE	EXTRA ABDN	ABDN_DATE
JI13	DEV	ABDN	IR-7	7		Y	10/17/2006
JI137	DEV	ABDN	IR-7	7		Y	10/17/2006
JI5B	DEV	ABDN	IR-7	7		Y	10/17/2006
JP5	DEV	ABDN	IR-7	7		Y	10/17/2006
JP58	DEV	ABDN	IR-7	7		Y	10/17/2006
JP10	DEV	ABDN	IR-7			Y	10/17/2006
JP6	DEV	ABDN	IR-7			Y	10/17/2006
JI6	DEV	ABDN	IR-7			Y	10/17/2006
JI7	DEV	ABDN	IR-7			Y	10/17/2006
JP12	DEV	ABDN	IR-7			Y	10/17/2006
JI136	DEV	ABDN	IR-7			Y	10/17/2006
JP8	DEV	ABDN	IR-7			Y	10/17/2006
JI33B	DEV	ABDN	IR-7	7		Y	10/17/2006
JI117	DEV	ABDN	IR-7	7		Y	10/18/2006
JI12	DEV	ABDN	IR-7	7		Y	10/18/2006
JI27	DEV	ABDN	IR-7	7		Y	10/18/2006
JI63	DEV	ABDN	IR-7	7		Y	10/18/2006
JP63	DEV	ABDN	IR-7	7		Y	10/18/2006
JP64	DEV	ABDN	IR-7	7		Y	10/18/2006
JP65	DEV	ABDN	IR-7	7		Y	10/18/2006
JP53	DEV	ABDN	IR-7	7		Y	10/18/2006
JI115	DEV	ABDN	IR-7			Y	10/18/2006
JI118	DEV	ABDN	IR-7			Y	10/18/2006
JI124	DEV	ABDN	IR-7			Y	10/18/2006
JI139	DEV	ABDN	IR-7			Y	10/18/2006
JP1	DEV	ABDN	IR-7	7		Y	10/18/2006
JI19	DEV	ABDN	IR-7			Y	10/18/2006
JI46	DEV	ABDN	IR-7			Y	10/18/2006
JI3	DEV	ABDN	IR-7			Y	10/18/2006
JI11	DEV	ABDN	IR-7			Y	10/18/2006
JP56	DEV	ABDN	IR-7			Y	10/18/2006
JP67	DEV	DNC	IR-7			Y	10/18/2006
JI119	DEV	ABDN	IR-7	7		Y	10/18/2006
JI29	DEV	ABDN	IR-7			Y	10/18/2006
JI1B	DEV	ABDN	IR-7	7		Y	10/18/2006
JP67B	DEV	ABDN	IR-7	7		Y	10/18/2006
JI142	DEV	ABDN	IR-7			Y	10/19/2006
JI48	DEV	ABDN	IR-7	7		Y	10/19/2006
JI66	DEV	ABDN	IR-7	7		Y	10/19/2006
JI79	DEV	ABDN	IR-7	7		Y	10/19/2006
JI83	DEV	ABDN	IR-7	7		Y	10/19/2006
JI93	DEV	ABDN	IR-7	7		Y	10/19/2006
JI95	DEV	ABDN	IR-7	7		Y	10/19/2006
JP44	DEV	ABDN	IR-7	7		Y	10/19/2006
JP48	DEV	ABDN	IR-7	7		Y	10/19/2006
JP14	DEV	ABDN	IR-7			Y	10/19/2006
JP38	DEV	ABDN	IR-7	7		Y	10/19/2006
JP43	DEV	ABDN	IR-7	7		Y	10/19/2006
JI91	DEV	ABDN	IR-7	7		Y	10/19/2006

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WELL_ID	DH_TYPE	DH_STATUS	PERMIT_AREA	MODULE	PHASE	EXTRA	ABDN	ABDN_DATE
JI96	DEV	ABDN	IR-7	7			Y	10/19/2006
JI81	DEV	ABDN	IR-7	7			Y	10/19/2006
JP22	DEV	ABDN	IR-7				Y	10/19/2006
JI92	DEV	ABDN	IR-7	7			Y	10/19/2006
JI82	DEV	ABDN	IR-7	7			Y	10/19/2006
JI80B	DEV	ABDN	IR-7	7			Y	10/19/2006
SSM38	MON	NMON	IR-7				Y	10/23/2006
JI102	DEV	ABDN	IR-7	7			Y	10/23/2006
JI75	DEV	ABDN	IR-7	7			Y	10/23/2006
JI76	DEV	ABDN	IR-7	7			Y	10/23/2006
JI90	DEV	ABDN	IR-7	7			Y	10/23/2006
JP40	DEV	ABDN	IR-7	7			Y	10/23/2006
JP46B	DEV	ABDN	IR-7	7			Y	10/23/2006
KP2	DEV	ABDN	IR-7	7			Y	10/23/2006
JP35	DEV	ABDN	IR-7				Y	10/23/2006
JP41	DEV	ABDN	IR-7				Y	10/23/2006
JI88	DEV	ABDN	IR-7				Y	10/23/2006
JI89	DEV	ABDN	IR-7				Y	10/23/2006
JI103	DEV	ABDN	IR-7	7			Y	10/23/2006
JI60	DEV	ABDN	IR-7				Y	10/23/2006
KI5B	DEV	ABDN	IR-7	7			Y	10/23/2006
JI104	DEV	ABDN	IR-7	7			Y	10/23/2006
SM11	MON	NMON	IR-7				Y	10/24/2006
JI40B	DEV	ABDN	IR-7	7			Y	10/24/2006
JI41	DEV	ABDN	IR-7	7			Y	10/24/2006
JI44	DEV	ABDN	IR-7	7			Y	10/24/2006
JI58	DEV	ABDN	IR-7	7			Y	10/24/2006
JI59	DEV	ABDN	IR-7	7			Y	10/24/2006
JP27	DEV	ABDN	IR-7	7			Y	10/24/2006
JP19	DEV	ABDN	IR-7	7			Y	10/24/2006
JP20	DEV	ABDN	IR-7				Y	10/24/2006
JI134	DEV	ABDN	IR-7				Y	10/24/2006
JI135	DEV	ABDN	IR-7				Y	10/24/2006
JI143	DEV	ABDN	IR-7				Y	10/24/2006
JI26	DEV	ABDN	IR-7	7			Y	10/24/2006
JI42	DEV	ABDN	IR-7				Y	10/24/2006
JI57	DEV	ABDN	IR-7				Y	10/24/2006
JI61	DEV	ABDN	IR-7	7			Y	10/24/2006
JI74	DEV	ABDN	IR-7				Y	10/24/2006
JP18	DEV	ABDN	IR-7				Y	10/24/2006
JP34C	DEV	ABDN	IR-7				Y	10/24/2006
JP68B	DEV	REC	IR-7	7			Y	10/24/2006
DM11	MON	NMON	IR-7				Y	10/25/2006
SSM39	MON	NMON	IR-7				Y	10/25/2006
SM19	MON	NMON	IR-7				Y	10/25/2006
JI109	DEV	ABDN	IR-7	7			Y	10/25/2006
JI110	DEV	ABDN	IR-7	7			Y	10/25/2006
JI141	DEV	ABDN	IR-7	7			Y	10/25/2006
KP11	DEV	ABDN	IR-7	7			Y	10/25/2006

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WELL_ID	DH_TYPE	DH_STATUS	PERMIT_AREA	MODULE	PHASE	EXTRA	ABDN	ABDN_DATE
KP6	DEV	ABDN	IR-7	7			Y	10/25/2006
JP28	DEV	ABDN	IR-7				Y	10/25/2006
KI10	DEV	ABDN	IR-7	7			Y	10/25/2006
KI11	DEV	ABDN	IR-7	7			Y	10/25/2006
JI111	DEV	ABDN	IR-7	7			Y	10/25/2006
KP5B	DEV	ABDN	IR-7	7			Y	10/25/2006
JI97	DEV	ABDN	IR-7	7			Y	10/25/2006
KI9B	DEV	ABDN	IR-7	7			Y	10/25/2006
KI156	DEV	ABDN	IR-7	7			Y	10/25/2006
DM21	MON	NMON	IR-7				Y	10/26/2006
JI55	DEV	ABDN	IR-7	7			Y	10/26/2006
JI72	DEV	ABDN	IR-7	7			Y	10/26/2006
JI86	DEV	ABDN	IR-7	7			Y	10/26/2006
JI87	DEV	ABDN	IR-7	7			Y	10/26/2006
JP45	DEV	ABDN	IR-7				Y	10/26/2006
JP57	DEV	ABDN	IR-7	7			Y	10/26/2006
KI4	DEV	ABDN	IR-7	7			Y	10/26/2006
KP1	DEV	ABDN	IR-7	7			Y	10/26/2006
JP32	DEV	ABDN	IR-7				Y	10/26/2006
KI3	DEV	ABDN	IR-7	7			Y	10/26/2006
JI38	DEV	ABDN	IR-7				Y	10/26/2006
JI39	DEV	ABDN	IR-7				Y	10/26/2006
JI71	DEV	ABDN	IR-7				Y	10/26/2006
JI100	DEV	ABDN	IR-7				Y	10/26/2006
JI140	DEV	ABDN	IR-7				Y	10/26/2006
SSM37	MON	NMON	IR-7				Y	10/31/2006
SM18	MON	NMON	IR-7				Y	10/31/2006
JI126	DEV	ABDN	IR-7	7			Y	10/31/2006
JI127	DEV	ABDN	IR-7				Y	10/31/2006
JI70	DEV	ABDN	IR-7				Y	10/31/2006
JP59	DEV	ABDN	IR-7	7			Y	10/31/2006
JP60	DEV	ABDN	IR-7	7			Y	10/31/2006
KP60	DEV	ABDN	IR-7	7			Y	10/31/2006
JI125	DEV	ABDN	IR-7				Y	10/31/2006
JI53	DEV	ABDN	IR-7				Y	10/31/2006
JI85	DEV	ABDN	IR-7				Y	10/31/2006
KP65	DEV	ABDN	IR-7	7			Y	10/31/2006
JI128	DEV	ABDN	IR-7				Y	10/31/2006
JI99B	DEV	ABDN	IR-7	7			Y	10/31/2006
KI1	DEV	ABDN	IR-7	7			Y	11/1/2006
KI147	DEV	ABDN	IR-7	7			Y	11/1/2006
KI150	DEV	ABDN	IR-7	7			Y	11/1/2006
KI34	DEV	ABDN	IR-7	7			Y	11/1/2006
KI35	DEV	ABDN	IR-7	7			Y	11/1/2006
KP16	DEV	ABDN	IR-7	7			Y	11/1/2006
KI149	DEV	ABDN	IR-7	7			Y	11/1/2006
KI14	DEV	ABDN	IR-7	7			Y	11/1/2006
KI21	DEV	ABDN	IR-7	7			Y	11/1/2006
KI23	DEV	ABDN	IR-7	7			Y	11/1/2006



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WELL_ID	DH_TYPE	DH_STATUS	PERMIT_AREA	MODULE	PHASE	EXTRA	ABDN	ABDN_DATE
KI24	DEV	ABDN	IR-7	7			Y	11/1/2006
KI33	DEV	ABDN	IR-7	7			Y	11/1/2006
KP64	DEV	ABDN	IR-7	7			Y	11/1/2006
KP15	DEV	ABDN	IR-7	7			Y	11/1/2006
KI37	DEV	ABDN	IR-7				Y	11/1/2006
KP8B	DEV	ABDN	IR-7	7			Y	11/1/2006
KP77	DEV	ABDN	IR-7	7			Y	11/2/2006
KI142	DEV	ABDN	IR-7	7			Y	11/2/2006
KI144	DEV	ABDN	IR-7	7			Y	11/2/2006
KI145	DEV	ABDN	IR-7	7			Y	11/2/2006
KI146	DEV	ABDN	IR-7	7			Y	11/2/2006
KI148	DEV	ABDN	IR-7	7			Y	11/2/2006
KP26	DEV	ABDN	IR-7	7			Y	11/2/2006
KI46	DEV	ABDN	IR-7	7			Y	11/2/2006
KI49	DEV	ABDN	IR-7	7			Y	11/2/2006
KI58	DEV	ABDN	IR-7	7			Y	11/2/2006
KI61	DEV	ABDN	IR-7	7			Y	11/2/2006
KI62	DEV	ABDN	IR-7	7			Y	11/2/2006
KP61	DEV	ABDN	IR-7	7			Y	11/2/2006
KP63	DEV	ABDN	IR-7	7			Y	11/2/2006
KI26	DEV	ABDN	IR-7	7			Y	11/2/2006
KP70B	DEV	ABDN	IR-7	7			Y	11/2/2006
JI23	DEV	ABDN	IR-7	7			Y	11/7/2006
JI9	DEV	ABDN	IR-7	7			Y	11/7/2006
KI47	DEV	ABDN	IR-7	7			Y	11/7/2006
KP29	DEV	ABDN	IR-7	7			Y	11/7/2006
KI56	DEV	ABDN	IR-7	7			Y	11/7/2006
KI57	DEV	ABDN	IR-7	7			Y	11/7/2006
JP17	DEV	ABDN	IR-7				Y	11/7/2006
KI45	DEV	ABDN	IR-7	7			Y	11/7/2006
KI55	DEV	ABDN	IR-7	7			Y	11/7/2006
KP25D	DEV	ABDN	IR-7	7			Y	11/7/2006
JP4B	DEV	ABDN	IR-7	7			Y	11/7/2006
JI22	DEV	ABDN	IR-7	7			Y	11/8/2006
JI67	DEV	ABDN	IR-7	7			Y	11/8/2006
JI8	DEV	ABDN	IR-7	7			Y	11/8/2006
JP62	DEV	ABDN	IR-7	7			Y	11/8/2006
JP51	DEV	ABDN	IR-7				Y	11/8/2006
JP66	DEV	ABDN	IR-7				Y	11/8/2006
LP36	DEV	ABDN	IR-9	9			Y	11/8/2006
JI84	DEV	ABDN	IR-7	7			Y	11/8/2006
JI68	DEV	ABDN	IR-7	7			Y	11/8/2006
JI133	DEV	ABDN	IR-7	7			Y	11/13/2006
SSM18	MON	NMON	IR-8				Y	11/16/2006
SM23	MON	NMON	IR-8				Y	11/16/2006
DM13	MON	NMON	IR-8				Y	11/16/2006
KI59	DEV	ABDN	IR-8	8			Y	11/16/2006
KI68	DEV	ABDN	IR-8	8			Y	11/16/2006
KI73	DEV	ABDN	IR-8	8			Y	11/16/2006

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WELL_ID	DH_TYPE	DH_STATUS	PERMIT_AREA	MODULE	PHASE	EXTRA	ABDN	ABDN_DATE
KI78	DEV	ABDN	IR-8	8			Y	11/16/2006
KI79	DEV	ABDN	IR-8	8			Y	11/16/2006
KP30	DEV	ABDN	IR-8	8			Y	11/16/2006
KP33	DEV	ABDN	IR-8	8			Y	11/16/2006
KI69	DEV	ABDN	IR-8	8			Y	11/16/2006
KI74	DEV	ABDN	IR-8	8			Y	11/16/2006
KP35	DEV	ABDN	IR-8	8			Y	11/16/2006
KI67	DEV	ABDN	IR-8	8			Y	11/16/2006
KI72	DEV	ABDN	IR-8	8			Y	11/16/2006
KP37	DEV	ABDN	IR-8	8			Y	11/16/2006
SSM40	MON	NMON	IR-8				Y	11/20/2006
SM24	MON	NMON	IR-8				Y	11/20/2006
KI96	DEV	ABDN	IR-8	8			Y	11/20/2006
KI155	DEV	ABDN	IR-8	8			Y	11/20/2006
KP34	DEV	ABDN	IR-8	8			Y	11/20/2006
KI70	DEV	ABDN	IR-8	8			Y	11/20/2006
KI71	DEV	ABDN	IR-8	8			Y	11/20/2006
KI83	DEV	ABDN	IR-8	8			Y	11/20/2006
KI86	DEV	ABDN	IR-8	8			Y	11/20/2006
KI88	DEV	ABDN	IR-8	8			Y	11/20/2006
KP76	DEV	ABDN	IR-8	8			Y	11/20/2006
KI136B	DEV	INJ	IR-8	8			Y	11/20/2006
KI109	DEV	ABDN	IR-8	8			Y	11/21/2006
KI113B	DEV	ABDN	IR-8	8			Y	11/21/2006
KI82	DEV	ABDN	IR-8	8			Y	11/21/2006
KI91	DEV	ABDN	IR-8	8			Y	11/21/2006
KI95	DEV	ABDN	IR-8	8			Y	11/21/2006
KP49	DEV	ABDN	IR-8	8			Y	11/21/2006
KI110	DEV	ABDN	IR-8	8			Y	11/21/2006
KI111	DEV	ABDN	IR-8	8			Y	11/21/2006
KI105	DEV	ABDN	IR-8	8			Y	11/21/2006
KI108	DEV	ABDN	IR-8	8			Y	11/21/2006
KI98	DEV	ABDN	IR-8	8			Y	11/21/2006
KP43	DEV	ABDN	IR-8	8			Y	11/21/2006
KP50	DEV	ABDN	IR-8	8			Y	11/21/2006
KI107	DEV	ABDN	IR-8	8			Y	11/21/2006
KP74	DEV	ABDN	IR-8	8			Y	11/21/2006
KI159	DEV	ABDN	IR-8	8			Y	11/21/2006
KI103	DEV	ABDN	IR-8	8			Y	11/21/2006
KI100B	DEV	ABDN	IR-8	8			Y	11/22/2006
KP42	DEV	ABDN	IR-8	8			Y	11/22/2006
KP45	DEV	ABDN	IR-8	8			Y	11/22/2006
KP72	DEV	ABDN	IR-8	8			Y	11/22/2006
KI93	DEV	ABDN	IR-8	8			Y	11/22/2006
KI102	DEV	ABDN	IR-8	8			Y	11/22/2006
KI92	DEV	ABDN	IR-8	8			Y	11/22/2006
KI101B	DEV	ABDN	IR-8	8			Y	11/22/2006
SSM19	MON	NMON	IR-8				Y	11/27/2006
DM14	MON	NMON	IR-8				Y	11/27/2006

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WELL_ID	DH_TYPE	DH_STATUS	PERMIT_AREA	MODULE	PHASE	EXTRA	ABDN	ABDN_DATE
SM25	MON	NMON	IR-8				Y	11/27/2006
KI119	DEV	ABDN	IR-8	8			Y	11/27/2006
KI128B	DEV	ABDN	IR-8	8			Y	11/27/2006
KI118	DEV	ABDN	IR-8	8			Y	11/27/2006
KI120	DEV	ABDN	IR-8	8			Y	11/27/2006
KP44	DEV	ABDN	IR-8	8			Y	11/27/2006
KP53	DEV	ABDN	IR-8	8			Y	11/27/2006
JP36	DEV	ABDN	IR-7				Y	11/28/2006
LI16	DEV	REC	IR-9	9			Y	12/4/2006
KI94	DEV	ABDN	IR-8	8			Y	12/4/2006
LP5	DEV	INJ	IR-9	9			Y	12/4/2006
LP10	DEV	INJ	IR-9	9			Y	12/4/2006
LI17	DEV	INJ	IR-9	9			Y	12/4/2006
SM26	MON	NMON	IR-9				Y	12/5/2006
SSM34	MON	NMON	IR-9				Y	12/5/2006
LI19	DEV	REC	IR-9	9			Y	12/5/2006
LI20	DEV	REC	IR-9	9			Y	12/5/2006
LI21	DEV	REC	IR-9	9			Y	12/5/2006
LI5	DEV	REC	IR-9	9			Y	12/5/2006
LP11	DEV	REC	IR-9	9			Y	12/5/2006
LP28	DEV	REC	IR-9	9			Y	12/5/2006
LP7	DEV	REC	IR-9	9			Y	12/5/2006
LI3	DEV	INJ	IR-9	9			Y	12/5/2006
LI155	DEV	INJ	IR-9	9			Y	12/5/2006
LI15	DEV	REC	IR-9	9			Y	12/5/2006
LP9	DEV	DNC	IR-9	9			Y	12/5/2006
LI9	DEV	INJ	IR-9	9			Y	12/5/2006
LI30	DEV	INJ	IR-9	9			Y	12/5/2006
LI8	DEV	INJ	IR-9	9			Y	12/5/2006
LP6	DEV	REC	IR-9	9			Y	12/5/2006
DM15	MON	NMON	IR-9				Y	12/6/2006
LI31	DEV	REC	IR-9	9			Y	12/6/2006
LI32	DEV	REC	IR-9	9			Y	12/6/2006
LI41	DEV	REC	IR-9	9			Y	12/6/2006
LI42	DEV	REC	IR-9	9			Y	12/6/2006
LI44	DEV	REC	IR-9	9			Y	12/6/2006
LP13	DEV	REC	IR-9	9			Y	12/6/2006
LP16	DEV	REC	IR-9	9			Y	12/6/2006
LP22	DEV	REC	IR-9	9			Y	12/6/2006
LP8B	DEV	REC	IR-9	9			Y	12/6/2006
LI33	DEV	INJ	IR-9	9			Y	12/6/2006
LP12	DEV	INJ	IR-9	9			Y	12/6/2006
LI43	DEV	REC	IR-9	9			Y	12/6/2006
LI34	DEV	INJ	IR-9	9			Y	12/6/2006
LI27	DEV	REC	IR-9	9			Y	12/11/2006
LI40	DEV	REC	IR-9	9			Y	12/11/2006
LI50	DEV	REC	IR-9	9			Y	12/11/2006
LI51	DEV	REC	IR-9	9			Y	12/11/2006
LP14	DEV	REC	IR-9	9			Y	12/11/2006

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WELL_ID	DH_TYPE	DH_STATUS	PERMIT_AREA	MODULE	PHASE	EXTRA	ABDN	ABDN_DATE
LP20	DEV	REC	IR-9	9			Y	12/11/2006
LP62	DEV	INJ	IR-9	9			Y	12/11/2006
LP21	DEV	INJ	IR-9	9			Y	12/11/2006
LI39	DEV	INJ	IR-9	9			Y	12/11/2006
LP25	DEV	INJ	IR-9	9			Y	12/11/2006
LI26	DEV	INJ	IR-9	9			Y	12/11/2006
LI38	DEV	INJ	IR-9	9			Y	12/11/2006
JP15	DEV	ABDN	IR-7				Y	12/11/2006
LP19	DEV	INJ	IR-9	9			Y	12/11/2006
SSM35	MON	NMON	IR-9				Y	12/12/2006
SM27	MON	NMON	IR-9				Y	12/12/2006
LI54	DEV	REC	IR-9	9			Y	12/12/2006
LI65	DEV	REC	IR-9	9			Y	12/12/2006
LI66	DEV	REC	IR-9	9			Y	12/12/2006
LI70	DEV	REC	IR-9	9			Y	12/12/2006
LI82	DEV	REC	IR-9	9			Y	12/12/2006
LP39	DEV	REC	IR-9	9			Y	12/12/2006
LI80	DEV	INJ	IR-9	9			Y	12/12/2006
LI81	DEV	INJ	IR-9	9			Y	12/12/2006
LI84	DEV	INJ	IR-9	9			Y	12/12/2006
LI67	DEV	INJ	IR-9	9			Y	12/12/2006
LI64	DEV	INJ	IR-9	9			Y	12/12/2006
LI56	DEV	INJ	IR-9	9			Y	12/12/2006
LI68	DEV	INJ	IR-9	9			Y	12/12/2006
LI100	DEV	INJ	IR-9	9			Y	12/12/2006
LP32	DEV	INJ	IR-9	9			Y	12/12/2006
LI55	DEV	REC	IR-9	9			Y	12/12/2006
LI28	DEV	REC	IR-9	9			Y	12/13/2006
LI45	DEV	REC	IR-9	9			Y	12/13/2006
LI58	DEV	REC	IR-9	9			Y	12/13/2006
LI59	DEV	REC	IR-9	9			Y	12/13/2006
LP24	DEV	REC	IR-9	9			Y	12/13/2006
LP30	DEV	REC	IR-9	9			Y	12/13/2006
LI75	DEV	INJ	IR-9	9			Y	12/13/2006
LI76	DEV	INJ	IR-9	9			Y	12/13/2006
LI85	DEV	INJ	IR-9	9			Y	12/13/2006
LP75	DEV	INJ	IR-9	9			Y	12/13/2006
LI71	DEV	REC	IR-9	9			Y	12/13/2006
LI46	DEV	INJ	IR-9	9			Y	12/13/2006
LI48	DEV	REC	IR-9	9			Y	12/13/2006
LI57	DEV	INJ	IR-9	9			Y	12/13/2006
LP29	DEV	INJ	IR-9	9			Y	12/13/2006
LI47	DEV	INJ	IR-9	9			Y	12/13/2006
LI60	DEV	INJ	IR-9	9			Y	12/13/2006
SSM36	MON	NMON	IR-9				Y	12/14/2006
SM28	MON	NMON	IR-9				Y	12/14/2006
DM16	MON	NMON	IR-9				Y	12/14/2006
LI109	DEV	REC	IR-9	9			Y	12/14/2006
LI110	DEV	REC	IR-9	9			Y	12/14/2006

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WELL_ID	DH_TYPE	DH_STATUS	PERMIT_AREA	MODULE	PHASE	EXTRA	ABDN	ABDN_DATE
LI74	DEV	REC	IR-9	9			Y	12/14/2006
LI90	DEV	REC	IR-9	9			Y	12/14/2006
LP37	DEV	REC	IR-9	9			Y	12/14/2006
LP43	DEV	REC	IR-9	9			Y	12/14/2006
LP52	DEV	REC	IR-9	9			Y	12/14/2006
LI133	DEV	INJ	IR-9	9			Y	12/14/2006
LP51	DEV	INJ	IR-9	9			Y	12/14/2006
LP53	DEV	INJ	IR-9	9			Y	12/14/2006
LI91	DEV	REC	IR-9	9			Y	12/14/2006
LI92	DEV	INJ	IR-9	9			Y	12/14/2006
LI108	DEV	INJ	IR-9	9			Y	12/14/2006
LI83	DEV	DNC	IR-9	9			Y	12/14/2006
LI73	DEV	REC	IR-9	9			Y	12/14/2006
LI105	DEV	REC	IR-9	9			Y	12/18/2006
LP41B	DEV	REC	IR-9	9			Y	12/18/2006
LP67	DEV	REC	IR-9	9			Y	12/18/2006
LP69	DEV	REC	IR-9	9			Y	12/18/2006
LI131	DEV	INJ	IR-9	9			Y	12/18/2006
LI132	DEV	INJ	IR-9	9			Y	12/18/2006
LI145	DEV	INJ	IR-9	9			Y	12/18/2006
LI146	DEV	INJ	IR-9	9			Y	12/18/2006
LI124	DEV	INJ	IR-9	9			Y	12/18/2006
LI147B	DEV	INJ	IR-9	9			Y	12/18/2006
LI86B	DEV	REC	IR-9	9			Y	12/18/2006
LP66	DEV	REC	IR-9	9			Y	12/18/2006
LP68	DEV	REC	IR-9	9			Y	12/18/2006
LP70	DEV	REC	IR-9	9			Y	12/18/2006
LP49	DEV	REC	IR-9	9			Y	12/19/2006
LP60	DEV	DNC	IR-9	9			Y	12/19/2006
LP64	DEV	DNC	IR-9	9			Y	12/19/2006
LI117	DEV	DNC	IR-9	9			Y	12/19/2006
LI103	DEV	INJ	IR-9	9			Y	12/19/2006
LI122	DEV	INJ	IR-9	9			Y	12/19/2006
LI130	DEV	DNC	IR-9	9			Y	12/19/2006
LP50	DEV	REC	IR-9	9			Y	12/19/2006
LP48	DEV	REC	IR-9	9			Y	12/20/2006
LP58	DEV	REC	IR-9	9			Y	12/20/2006
LP63	DEV	REC	IR-9	9			Y	12/20/2006
LI120	DEV	INJ	IR-9	9			Y	12/20/2006
LI121	DEV	INJ	IR-9	9			Y	12/20/2006
LI123	DEV	INJ	IR-9	9			Y	12/20/2006
LI139	DEV	REC	IR-9	9			Y	12/20/2006
LI141	DEV	REC	IR-9	9			Y	12/20/2006
LI143B	DEV	INJ	IR-9	9			Y	12/20/2006
LI119	DEV	INJ	IR-9	9			Y	12/20/2006
LI128	DEV	INJ	IR-9	9			Y	12/20/2006
LI152	DEV	INJ	IR-9	9			Y	12/20/2006
LI99	DEV	INJ	IR-9	9			Y	12/20/2006
LI118	DEV	DNC	IR-9	9			Y	12/20/2006

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WELL_ID	DH_TYPE	DH_STATUS	PERMIT_AREA	MODULE	PHASE	EXTRA	ABDN	ABDN_DATE
LI125	DEV	DNC	IR-9	9			Y	12/20/2006
LI142	DEV	INJ	IR-9	9			Y	12/20/2006
HI166	DEV	INJ	IR-6	6			Y	12/20/2006
LP59	DEV	REC	IR-9	9			Y	12/20/2006
LP65	DEV	REC	IR-9	9			Y	12/20/2006
LP17	DEV	INJ	IR-9	9			Y	12/21/2006
LP40	DEV	INJ	IR-9	9			Y	1/2/2007
HI103	DEV	REC	IR-6	6			Y	1/3/2007
HI104	DEV	REC	IR-6	6			Y	1/3/2007
HI169	DEV	REC	IR-6	6			Y	1/3/2007
HI81	DEV	REC	IR-6	6			Y	1/3/2007
HI82	DEV	REC	IR-6	6			Y	1/3/2007
HP44B	DEV	REC	IR-6	6			Y	1/3/2007
HP35	DEV	REC	IR-6	6			Y	1/3/2007
HI67	DEV	INJ	IR-6	6			Y	1/3/2007
HI80	DEV	INJ	IR-6	6			Y	1/3/2007
HI84	DEV	INJ	IR-6	6			Y	1/3/2007
HI100	DEV	INJ	IR-6	6			Y	1/3/2007
HP42	DEV	REC	IR-6	6			Y	1/3/2007
HI120	DEV	INJ	IR-6	6			Y	1/3/2007
HI83	DEV	INJ	IR-6	6			Y	1/3/2007
HI101	DEV	INJ	IR-6	6			Y	1/3/2007
HI121	DEV	INJ	IR-6	6			Y	1/3/2007
HP51	DEV	REC	IR-6	6			Y	1/3/2007
HI167	DEV	REC	IR-6	6			Y	1/4/2007
HI201	DEV	REC	IR-6	6			Y	1/4/2007
HP75	DEV	REC	IR-6	6			Y	1/4/2007
HI162	DEV	INJ	IR-6	6			Y	1/4/2007
HI163	DEV	INJ	IR-6	6			Y	1/4/2007
HI177	DEV	INJ	IR-6	6			Y	1/4/2007
HI179	DEV	INJ	IR-6	6			Y	1/4/2007
HI180	DEV	REC	IR-6	6			Y	1/4/2007
HI146	DEV	INJ	IR-6	6			Y	1/4/2007
HI178	DEV	INJ	IR-6	6			Y	1/4/2007
HI145	DEV	INJ	IR-6	6			Y	1/4/2007
HI149	DEV	REC	IR-6	6			Y	1/8/2007
HI175	DEV	REC	IR-6	6			Y	1/8/2007
HI191	DEV	REC	IR-6	6			Y	1/8/2007
HI31	DEV	REC	IR-6	6			Y	1/8/2007
HI45B	DEV	REC	IR-6	6			Y	1/8/2007
HI46	DEV	REC	IR-6	6			Y	1/8/2007
HP27B	DEV	REC	IR-6	6			Y	1/8/2007
HP41	DEV	REC	IR-6	6			Y	1/8/2007
HP90	DEV	REC	IR-6	6			Y	1/8/2007
HP20	DEV	REC	IR-6	6			Y	1/8/2007
HI151	DEV	INJ	IR-6	6			Y	1/8/2007
HI79	DEV	INJ	IR-6	6			Y	1/8/2007
HI32B	DEV	INJ	IR-6	6			Y	1/8/2007
HP80B	DEV	REC	IR-6	6			Y	1/8/2007

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WELL_ID	DH_TYPE	DH_STATUS	PERMIT_AREA	MODULE	PHASE	EXTRA	ABDN	ABDN_DATE
HI14B	DEV	ABDN	IR-6	6			Y	1/9/2007
HI57	DEV	ABDN	IR-6	6			Y	1/9/2007
HI58B	DEV	ABDN	IR-6	6			Y	1/9/2007
HI62B	DEV	ABDN	IR-6	6			Y	1/9/2007
HI73	DEV	ABDN	IR-6	6			Y	1/9/2007
HI74	DEV	ABDN	IR-6	6			Y	1/9/2007
HI77B	DEV	ABDN	IR-6	6			Y	1/9/2007
HI78B	DEV	ABDN	IR-6	6			Y	1/9/2007
HP26B	DEV	ABDN	IR-6	6			Y	1/9/2007
HP31	DEV	ABDN	IR-6	6			Y	1/9/2007
HP94	DEV	ABDN	IR-6	6			Y	1/9/2007
HP25	DEV	ABDN	IR-6	6			Y	1/9/2007
HP32	DEV	ABDN	IR-6	6			Y	1/9/2007
HI56	DEV	ABDN	IR-6	6			Y	1/9/2007
HI60	DEV	ABDN	IR-6	6			Y	1/9/2007
HI92	DEV	ABDN	IR-6	6			Y	1/9/2007
HI55	DEV	ABDN	IR-6	6			Y	1/9/2007
HI72	DEV	ABDN	IR-6	6			Y	1/9/2007
HI192	DEV	ABDN	IR-6	6			Y	1/9/2007
HI199B	DEV	ABDN	IR-6	6			Y	1/9/2007
HP39B	DEV	REC	IR-6	6			Y	1/9/2007
SM10	MON	NMON	IR-6				Y	1/10/2007
SSM10	MON	NMON	IR-6				Y	1/10/2007
HI202	DEV	REC	IR-6	6			Y	1/10/2007
HI26	DEV	REC	IR-6	6			Y	1/10/2007
HI27	DEV	REC	IR-6	6			Y	1/10/2007
HI41	DEV	REC	IR-6	6			Y	1/10/2007
HI42B	DEV	REC	IR-6	6			Y	1/10/2007
HI53	DEV	REC	IR-6	6			Y	1/10/2007
HI54B	DEV	REC	IR-6	6			Y	1/10/2007
HP13B	DEV	REC	IR-6	6			Y	1/10/2007
HP17B	DEV	REC	IR-6	6			Y	1/10/2007
HP19B	DEV	REC	IR-6	6			Y	1/10/2007
HP23	DEV	REC	IR-6	6			Y	1/10/2007
HP24	DEV	REC	IR-6	6			Y	1/10/2007
HP29B	DEV	REC	IR-6	6			Y	1/10/2007
HI40	DEV	INJ	IR-6	6			Y	1/10/2007
HI24	DEV	INJ	IR-6	6			Y	1/10/2007
HI28	DEV	INJ	IR-6	6			Y	1/10/2007
HI208	DEV	INJ	IR-6	6			Y	1/10/2007
HI197	DEV	INJ	IR-6	6			Y	1/10/2007
HI39B	DEV	REC	IR-6	6			Y	1/10/2007
HI52	DEV	INJ	IR-6	6			Y	1/10/2007
HI68	DEV	INJ	IR-6	6			Y	1/10/2007
HP12	DEV	REC	IR-6	6			Y	1/10/2007
HP18B	DEV	REC	IR-6	6			Y	1/10/2007
DM12							Y	1/10/2007
LP61	DEV	DNC	IR-9	9			Y	1/17/2007
LI116	DEV	DNC	IR-9	9			Y	1/17/2007

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WELL_ID	DH_TYPE	DH_STATUS	PERMIT_AREA	MODULE	PHASE	EXTRA	ABDN	ABDN_DATE
LI127	DEV	DNC	IR-9	9			Y	1/17/2007
BI4	DEV	INJ	IR-1				Y	1/24/2007
BI7	DEV	INJ	IR-1				Y	1/24/2007
BI8	DEV	DNC	IR-1				Y	1/24/2007
BI11	DEV	INJ	IR-1				Y	1/24/2007
BP17	DEV	REC	IR-1				Y	1/24/2007
BI44	DEV	INJ	IR-1				Y	1/24/2007
BI67	DEV	INJ	IR-1				Y	1/24/2007
BI5	DEV	INJ	IR-1				Y	1/24/2007
BI9	DEV	INJ	IR-1				Y	1/24/2007
BI42	DEV	INJ	IR-1				Y	1/24/2007
BP1	DEV	REC	IR-1				Y	1/24/2007
BP2B	DEV	REC	IR-1				Y	1/24/2007
BI3C	DEV	INJ	IR-1				Y	1/24/2007
DM2	MON	NMON	IR-1				Y	1/25/2007
SM2	MON	NMON	IR-1				Y	1/25/2007
SSM2	MON	NMON	IR-1				Y	1/25/2007
BI10	DEV	INJ	IR-1				Y	1/25/2007
BP11	DEV	REC	IR-1				Y	1/25/2007
BP13	DEV	REC	IR-1				Y	1/25/2007
BP16	DEV	REC	IR-1				Y	1/25/2007
BI16	DEV	INJ	IR-1				Y	1/25/2007
BI26	DEV	INJ	IR-1				Y	1/25/2007
BI28	DEV	INJ	IR-1				Y	1/25/2007
BI32	DEV	INJ	IR-1				Y	1/25/2007
BI40	DEV	INJ	IR-1				Y	1/25/2007
BI59	DEV	INJ	IR-1				Y	1/25/2007
BI60	DEV	INJ	IR-1				Y	1/25/2007
BI61	DEV	INJ	IR-1				Y	1/25/2007
BI63	DEV	INJ	IR-1				Y	1/25/2007
BI66	DEV	INJ	IR-1				Y	1/25/2007
BP14	DEV	REC	IR-1				Y	1/25/2007
BI24	DEV	INJ	IR-1				Y	1/25/2007
BI58	DEV	INJ	IR-1				Y	1/25/2007
BI62	DEV	INJ	IR-1				Y	1/25/2007
BI65	DEV	INJ	IR-1				Y	1/25/2007
BP4	DEV	REC	IR-1				Y	1/25/2007
BP8	DEV	REC	IR-1				Y	1/25/2007
AI4B	DEV	INJ	IR-1				Y	1/25/2007
BI27	DEV	INJ	IR-1				Y	2/2/2007
DM1	MON	NMON	IR-1				Y	2/6/2007
SSM43	MON	NMON	IR-1				Y	2/6/2007
SM1	MON	NMON	IR-1				Y	2/6/2007
AI35	DEV	INJ	IR-1				Y	2/6/2007
AI36	DEV	INJ	IR-1				Y	2/6/2007
AI40	DEV	INJ	IR-1				Y	2/6/2007
AP1	DEV	REC	IR-1				Y	2/6/2007
AP6	DEV	REC	IR-1				Y	2/6/2007
AP7	DEV	REC	IR-1				Y	2/6/2007



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WELL_ID	DH_TYPE	DH_STATUS	PERMIT_AREA	MODULE	PHASE	EXTRA	ABDN	ABDN_DATE
AP10	DEV	REC	IR-1				Y	2/6/2007
AI6	DEV	INJ	IR-1				Y	2/6/2007
AI10	DEV	INJ	IR-1				Y	2/6/2007
AI14S	DEV	INJ	IR-1				Y	2/6/2007
AI34	DEV	INJ	IR-1				Y	2/6/2007
AI33	DEV	INJ	IR-1				Y	2/6/2007
AI37	DEV	INJ	IR-1				Y	2/6/2007
AI12B	DEV	INJ	IR-1				Y	2/6/2007
AI14B	DEV	INJ	IR-1				Y	2/6/2007
AI5B	DEV	INJ	IR-1				Y	2/6/2007
AP2B	DEV	REC	IR-1				Y	2/6/2007
AI15B	DEV	INJ	IR-2				Y	2/6/2007
AI21B	DEV	INJ	IR-2				Y	2/6/2007
AI15S	DEV	INJ	IR-1				Y	2/6/2007
AI19S	DEV	INJ	IR-1				Y	2/7/2007
AI30	DEV	INJ	IR-1				Y	2/7/2007
CI34	DEV	INJ	IR-2				Y	2/7/2007
CI8	DEV	INJ	IR-2				Y	2/7/2007
AI19C	DEV	ABDN	IR-1				Y	2/7/2007
CP3C	DEV	REC	IR-2				Y	2/7/2007
CI7B	DEV	INJ	IR-2				Y	2/7/2007
AI19							Y	2/7/2007
AI31	DEV	ABDN	IR-2				Y	2/8/2007
AI42	DEV	ABDN	IR-1				Y	2/8/2007
AP4	DEV	ABDN	IR-1				Y	2/8/2007
AP9	DEV	ABDN	IR-1				Y	2/8/2007
CI3	DEV	DNC	IR-2				Y	2/8/2007
CI11	DEV	ABDN	IR-2				Y	2/8/2007
CI12	DEV	ABDN	IR-2				Y	2/8/2007
CI13	DEV	ABDN	IR-2				Y	2/8/2007
CP2	DEV	ABDN	IR-2				Y	2/8/2007
CP4	DEV	ABDN	IR-2				Y	2/8/2007
CP5	DEV	ABDN	IR-2				Y	2/8/2007
CP7	DEV	ABDN	IR-2				Y	2/8/2007
CP10	DEV	ABDN	IR-2				Y	2/8/2007
DP21	DEV	ABDN	IR-2				Y	2/8/2007
AP5	DEV	ABDN	IR-1				Y	2/8/2007
AP8	DEV	ABDN	IR-1				Y	2/8/2007
CI2	DEV	ABDN	IR-2				Y	2/8/2007
CI10	DEV	ABDN	IR-2				Y	2/8/2007
CI14	DEV	ABDN	IR-2				Y	2/8/2007
CI20	DEV	ABDN	IR-2				Y	2/8/2007
CI36	DEV	ABDN	IR-2				Y	2/8/2007
CI9C	DEV	ABDN	IR-2				Y	2/8/2007
AI28B	DEV	ABDN	IR-1				Y	2/8/2007
CI33	DEV	ABDN	IR-2				Y	2/8/2007
CP1B	DEV	ABDN	IR-2				Y	2/8/2007
DP2B	DEV	ABDN	IR-2				Y	2/8/2007
AI20B	DEV	ABDN	IR-2				Y	2/8/2007

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WELL_ID	DH_TYPE	DH_STATUS	PERMIT_AREA	MODULE	PHASE	EXTRA	ABDN	ABDN_DATE
AI17B	DEV	ABDN	IR-2			Y		2/8/2007
DI89	DEV	ABDN	IR-2			Y		2/21/2007
DI2	DEV	ABDN	IR-2			Y		2/21/2007
DI9	DEV	ABDN	IR-2			Y		2/21/2007
DI10	DEV	ABDN	IR-2			Y		2/21/2007
DI13	DEV	ABDN	IR-2			Y		2/21/2007
DP26	DEV	ABDN	IR-2			Y		2/21/2007
EI94	DEV	ABDN	IR-2			Y		2/21/2007
DP3	DEV	ABDN	IR-2			Y		2/21/2007
DP7	DEV	ABDN	IR-2			Y		2/21/2007
DP34	DEV	ABDN	IR-2			Y		2/21/2007
DI48	DEV	ABDN	IR-2			Y		2/21/2007
DI50	DEV	ABDN	IR-2			Y		2/21/2007
DI90	DEV	ABDN	IR-2			Y		2/21/2007
DI97	DEV	ABDN	IR-2			Y		2/21/2007
DI51	DEV	ABDN	IR-2			Y		2/21/2007
DI11	DEV	ABDN	IR-2			Y		2/21/2007
DI18	DEV	ABDN	IR-2			Y		2/21/2007
CP6D	DEV	ABDN	IR-2			Y		2/21/2007
DP24B	DEV	ABDN	IR-2			Y		2/21/2007
DP5B	DEV	ABDN	IR-2			Y		2/21/2007
SSM3	MON	NMON	IR-2			Y		2/22/2007
SM7	MON	NMON	IR-2			Y		2/22/2007
DM5	MON	NMON	IR-2			Y		2/22/2007
FI128	DEV	INJ	IR-3			Y		2/22/2007
CI21	DEV	INJ	IR-2			Y		2/22/2007
CI29C	DEV	INJ	IR-2			Y		2/22/2007
FI114	DEV	INJ	IR-4			Y		2/22/2007
FI117	DEV	INJ	IR-3			Y		2/22/2007
FI120	DEV	INJ	IR-3			Y		2/22/2007
FI3	DEV	ABDN	IR-4			Y		2/22/2007
FI5	DEV	INJ	IR-4			Y		2/22/2007
FI78	DEV	INJ	IR-3			Y		2/22/2007
FP3	DEV	REC	IR-3			Y		2/22/2007
FI116	DEV	INJ	IR-3			Y		2/22/2007
FI2	DEV	INJ	IR-3			Y		2/22/2007
FI4	DEV	INJ	IR-4			Y		2/22/2007
FI6	DEV	INJ	IR-3			Y		2/22/2007
FI115	DEV	INJ	IR-4			Y		2/22/2007
FI1	DEV	INJ	IR-3			Y		2/22/2007
AI23	DEV	ABDN	IR-1			Y		2/26/2007
AI24S	DEV	ABDN	IR-1			Y		2/26/2007
AI29	DEV	ABDN	IR-2			Y		2/26/2007
AI4S	DEV	ABDN	IR-1			Y		2/26/2007
AI5S	DEV	ABDN	IR-1			Y		2/26/2007
AI8S	DEV	ABDN	IR-1			Y		2/26/2007
AI13C	DEV	ABDN	IR-1			Y		2/26/2007
BI33	DEV	ABDN	IR-1			Y		2/26/2007
BI41	DEV	ABDN	IR-1			Y		2/26/2007

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WELL_ID	DH_TYPE	DH_STATUS	PERMIT_AREA	MODULE	PHASE	EXTRA	ABDN	ABDN_DATE
AI24	DEV	ABDN	IR-1				Y	2/26/2007
AI7C	DEV	ABDN	IR-1				Y	2/26/2007
NRC2							Y	2/26/2007
SSM4	MON	NMON	IR-2				Y	2/28/2007
RS34	MON	NMON	IR-2				Y	2/28/2007
EI33	DEV	INJ	IR-2				Y	2/28/2007
DI59	DEV	INJ	IR-3				Y	2/28/2007
DI96	DEV	INJ	IR-2				Y	2/28/2007
DI6	DEV	INJ	IR-3				Y	2/28/2007
DI20	DEV	INJ	IR-2				Y	2/28/2007
DI27	DEV	INJ	IR-3				Y	2/28/2007
DP23B	DEV	REC	IR-3				Y	2/28/2007
EI43	DEV	INJ	IR-2				Y	2/28/2007
EI93	DEV	INJ	IR-1				Y	2/28/2007
EP13	DEV	REC	IR-2				Y	2/28/2007
DI99	DEV	INJ	IR-3				Y	2/28/2007
EI39	DEV	INJ	IR-2				Y	2/28/2007
DI60	DEV	INJ	IR-3				Y	2/28/2007
DI5	DEV	INJ	IR-2				Y	2/28/2007
DI8	DEV	INJ	IR-2				Y	2/28/2007
DP10	DEV	REC	IR-3				Y	2/28/2007
DP20	DEV	REC	IR-2				Y	2/28/2007
DP22	DEV	REC	IR-3				Y	2/28/2007
EP11	DEV	REC	IR-2				Y	2/28/2007
DI105	DEV	INJ	IR-2				Y	2/28/2007
DI106	DEV	INJ	IR-2				Y	2/28/2007
SSM42	MON	NMON	IR-3				Y	3/1/2007
DM3	MON	NMON	IR-2				Y	3/1/2007
DM19	MON	NMON	IR-3				Y	3/1/2007
DI108	DEV	INJ	IR-2				Y	3/1/2007
DI61	DEV	INJ	IR-3				Y	3/1/2007
DI91	DEV	INJ	IR-2				Y	3/1/2007
DI26	DEV	INJ	IR-3				Y	3/1/2007
DP8	DEV	REC	IR-2				Y	3/1/2007
DP9	DEV	REC	IR-2				Y	3/1/2007
DP13	DEV	REC	IR-3				Y	3/1/2007
DP36	DEV	REC	IR-2				Y	3/1/2007
DI36	DEV	INJ	IR-3				Y	3/1/2007
DI86	DEV	INJ	IR-2				Y	3/1/2007
DI37	DEV	INJ	IR-3				Y	3/1/2007
DP17	DEV	REC	IR-2				Y	3/1/2007
DI101	DEV	INJ	IR-2				Y	3/1/2007
DI102	DEV	INJ	IR-2				Y	3/1/2007
DI103	DEV	INJ	IR-2				Y	3/1/2007
DI104	DEV	INJ	IR-2				Y	3/1/2007
DI111	DEV	INJ	IR-3				Y	3/4/2007
DM10	MON	NMON	IR-6				Y	3/6/2007
HI207	DEV	REC	IR-6	6			Y	3/6/2007
HI50	DEV	REC	IR-6	6			Y	3/6/2007

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HP11	DEV	REC	IR-6	6			Y	3/6/2007
HP22	DEV	REC	IR-6	6			Y	3/6/2007
HI20	DEV	ABDN	IR-6	6			Y	3/6/2007
HI22	DEV	REC	IR-6	6			Y	3/6/2007
HI8	DEV	DNC	IR-6	6			Y	3/6/2007
HP3	DEV	ABDN	IR-6	6			Y	3/6/2007
HP10	DEV	REC	IR-6	6			Y	3/6/2007
HI21	DEV	INJ	IR-6	6			Y	3/6/2007
HI35B	DEV	INJ	IR-6	6			Y	3/6/2007
HI7	DEV	REC	IR-6	6			Y	3/6/2007
HI198	DEV	REC	IR-6	6			Y	3/6/2007
HP9	DEV	REC	IR-6	6			Y	3/6/2007
HP15	DEV	REC	IR-6	6			Y	3/6/2007
GI98	DEV	INJ	IR-5				Y	3/6/2007
SSM9	MON	NMON	IR-6				Y	3/7/2007
HI137	DEV	REC	IR-6	6			Y	3/7/2007
HI49	DEV	REC	IR-6	6			Y	3/7/2007
HI66	DEV	REC	IR-6	6			Y	3/7/2007
HP59B	DEV	REC	IR-6	6			Y	3/7/2007
HP85	DEV	REC	IR-6	6			Y	3/7/2007
HP87	DEV	REC	IR-6	6			Y	3/7/2007
HP21	DEV	ABDN	IR-6				Y	3/7/2007
HI135	DEV	INJ	IR-6	6			Y	3/7/2007
HI139	DEV	INJ	IR-6	6			Y	3/7/2007
HI147	DEV	INJ	IR-6				Y	3/7/2007
HI169	DEV	INJ	IR-6	6			Y	3/7/2007
HI136	DEV	INJ	IR-6	6			Y	3/7/2007
HI168	DEV	INJ	IR-6	6			Y	3/7/2007
HI182	DEV	INJ	IR-6	6			Y	3/7/2007
HI117	DEV	INJ	IR-6	6			Y	3/7/2007
HI138	DEV	INJ	IR-6	6			Y	3/7/2007
HI204	DEV	INJ	IR-6	6			Y	3/7/2007
HP95B	DEV	REC	IR-6	6			Y	3/7/2007
HI34	DEV	REC	IR-6	6			Y	3/7/2007
HI65	DEV	REC	IR-6	6			Y	3/7/2007
HP78	DEV	REC	IR-6	6			Y	3/7/2007
HI33	DEV	REC	IR-6	6			Y	3/7/2007
SM16	MON	NMON	IR-6				Y	3/8/2007
SM15	MON	NMON	IR-6				Y	3/8/2007
SSM11	MON	NMON	IR-6				Y	3/8/2007
DM22	MON	NMON	IR-6				Y	3/8/2007
HI108	DEV	REC	IR-6	6			Y	3/8/2007
HI127	DEV	REC	IR-6	6			Y	3/8/2007
HI86	DEV	REC	IR-6	6			Y	3/8/2007
HP38	DEV	REC	IR-6	6			Y	3/8/2007
HP48	DEV	REC	IR-6	6			Y	3/8/2007
HP37	DEV	REC	IR-6	6			Y	3/8/2007
HI200	DEV	INJ	IR-6	6			Y	3/8/2007
HI205	DEV	INJ	IR-6	6			Y	3/8/2007

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WELL_ID	DH_TYPE	DH_STATUS	PERMIT_AREA	MODULE	PHASE	EXTRA	ABDN	ABDN_DATE
HP45	DEV	REC	IR-6	6			Y	3/8/2007
HI130	DEV	REC	IR-6	6			Y	3/8/2007
HI91	DEV	INJ	IR-6	6			Y	3/8/2007
HI106	DEV	INJ	IR-6	6			Y	3/8/2007
HI109	DEV	INJ	IR-6	6			Y	3/8/2007
HI88	DEV	INJ	IR-6	6			Y	3/8/2007
HI70	DEV	REC	IR-6	6			Y	3/8/2007
HP40B	DEV	REC	IR-6	6			Y	3/8/2007
HP55B	DEV	REC	IR-6	6			Y	3/8/2007
SM4	MON	NMON	IR-4				Y	3/13/2007
SSM6	MON	NMON	IR-4				Y	3/13/2007
DM4	MON	NMON	IR-4				Y	3/13/2007
FI82	DEV	INJ	IR-4				Y	3/13/2007
FI28	DEV	INJ	IR-3				Y	3/13/2007
FI81	DEV	INJ	IR-4				Y	3/13/2007
FP16	DEV	REC	IR-3				Y	3/13/2007
FP29	DEV	REC	IR-4				Y	3/13/2007
FI42B	DEV	INJ	IR-4				Y	3/13/2007
FI123	DEV	INJ	IR-4				Y	3/13/2007
FP11	DEV	REC	IR-3				Y	3/13/2007
FI119D	DEV	INJ	IR-4				Y	3/13/2007
FP13B	DEV	REC	IR-4				Y	3/13/2007
FP20B	DEV	REC	IR-4				Y	3/13/2007
FI122	DEV	INJ	IR-4				Y	3/13/2007
FI36	DEV	INJ	IR-3				Y	3/13/2007
DM20	MON	NMON	IR-3				Y	3/14/2007
SSM5	MON	NMON	IR-3				Y	3/14/2007
RS39	MON	NMON	IR-3				Y	3/14/2007
DP11	DEV	REC	IR-3				Y	3/14/2007
FI16	DEV	INJ	IR-3				Y	3/14/2007
FI136	DEV	INJ	IR-4				Y	3/14/2007
FP5	DEV	REC	IR-3				Y	3/14/2007
FP8	DEV	REC	IR-3				Y	3/14/2007
DI31	DEV	INJ	IR-3				Y	3/14/2007
FI111	DEV	INJ	IR-3				Y	3/14/2007
FI22	DEV	INJ	IR-3				Y	3/14/2007
FI127	DEV	INJ	IR-3				Y	3/14/2007
FP7	DEV	REC	IR-3				Y	3/14/2007
FI12B	DEV	INJ	IR-4				Y	3/14/2007
FI21B	DEV	INJ	IR-4				Y	3/14/2007
FP6	DEV	REC	IR-3				Y	3/14/2007
FP9	DEV	REC	IR-3				Y	3/14/2007
FI24	DEV	INJ	IR-3				Y	3/14/2007
DI34	DEV	INJ	IR-3				Y	3/15/2007
DI7	DEV	INJ	IR-4				Y	3/15/2007
DP14	DEV	REC	IR-3				Y	3/15/2007
DP27	DEV	REC	IR-3				Y	3/15/2007
DP29	DEV	REC	IR-3				Y	3/15/2007
DI100	DEV	INJ	IR-3				Y	3/15/2007

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WELL_ID	DH_TYPE	DH_STATUS	PERMIT_AREA	MODULE	PHASE	EXTRA	ABDN	ABDN_DATE
DI33	DEV	INJ	IR-3				Y	3/15/2007
DI40	DEV	INJ	IR-3				Y	3/15/2007
DI62	DEV	INJ	IR-3				Y	3/15/2007
DI65B	DEV	INJ	IR-4				Y	3/15/2007
GI46	DEV	INJ	IR-5				Y	3/17/2007
DP33	DEV	REC	IR-4				Y	3/19/2007
DI39	DEV	INJ	IR-3				Y	3/19/2007
FI76	DEV	INJ	IR-4				Y	3/19/2007
DP31	DEV	REC	IR-3				Y	3/19/2007
DI64	DEV	INJ	IR-3				Y	3/19/2007
DI67C	DEV	INJ	IR-3				Y	3/19/2007
DI74	DEV	INJ	IR-4				Y	3/19/2007
DI93	DEV	INJ	IR-3				Y	3/19/2007
DI63	DEV	INJ	IR-3				Y	3/19/2007
DI92	DEV	INJ	IR-3				Y	3/19/2007
FI97	DEV	INJ	IR-4				Y	3/19/2007
FI77	DEV	INJ	IR-4				Y	3/19/2007
FP35	DEV	REC	IR-4				Y	3/19/2007
DI107	DEV	INJ	IR-2				Y	3/19/2007
DI80B	DEV	INJ	IR-4				Y	3/19/2007
FP34B	DEV	REC	IR-4				Y	3/19/2007
DI76B	DEV	INJ	IR-4				Y	3/19/2007
FI124	DEV	INJ	IR-4				Y	3/20/2007
FI37	DEV	INJ	IR-4				Y	3/20/2007
FI44	DEV	INJ	IR-4				Y	3/20/2007
FI53	DEV	INJ	IR-4				Y	3/20/2007
FI63	DEV	INJ	IR-4				Y	3/20/2007
FI75	DEV	INJ	IR-4				Y	3/20/2007
FP21	DEV	REC	IR-4				Y	3/20/2007
FP27	DEV	REC	IR-4				Y	3/20/2007
FI47	DEV	INJ	IR-4				Y	3/20/2007
FI52	DEV	INJ	IR-4				Y	3/20/2007
FI104	DEV	INJ	IR-4				Y	3/20/2007
FI64	DEV	INJ	IR-4				Y	3/20/2007
FP15	DEV	REC	IR-4				Y	3/20/2007
FP22	DEV	REC	IR-4				Y	3/20/2007
FP25B	DEV	REC	IR-4				Y	3/20/2007
FP32D	DEV	REC	IR-4				Y	3/20/2007
DM18	MON	NMON	IR-4				Y	3/20/2007
FI62	DEV	INJ	IR-4				Y	3/20/2007
FI129	DEV	INJ	IR-4				Y	3/20/2007
FI54	DEV	INJ	IR-4				Y	3/20/2007
FI61	DEV	DNC	IR-4				Y	3/20/2007
FI60	DEV	INJ	IR-4				Y	3/20/2007
SSM41	MON	NMON	IR-4				Y	3/22/2007
FI101	DEV	INJ	IR-4				Y	3/22/2007
FI102	DEV	INJ	IR-4				Y	3/22/2007
FI107	DEV	INJ	IR-4				Y	3/22/2007
FI110	DEV	INJ	IR-4				Y	3/22/2007

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FI130	DEV	INJ	IR-4				Y	3/22/2007
FI132	DEV	INJ	IR-4				Y	3/22/2007
FI134	DEV	INJ	IR-4				Y	3/22/2007
FI43	DEV	DNC	IR-4				Y	3/22/2007
FI48	DEV	INJ	IR-4				Y	3/22/2007
FI66	DEV	INJ	IR-4				Y	3/22/2007
GI1	DEV	INJ	IR-4				Y	3/22/2007
GI2	DEV	INJ	IR-4				Y	3/22/2007
FI105	DEV	INJ	IR-4				Y	3/22/2007
FI108	DEV	INJ	IR-4				Y	3/22/2007
FI125	DEV	INJ	IR-4				Y	3/22/2007
FI131	DEV	INJ	IR-4				Y	3/22/2007
FI67	DEV	INJ	IR-4				Y	3/22/2007
FI70	DEV	INJ	IR-4				Y	3/22/2007
FP17B	DEV	REC	IR-4				Y	3/22/2007
FI74B	DEV	INJ	IR-4				Y	3/22/2007
FP23	DEV	REC	IR-4				Y	3/22/2007
DM9	MON	NMON	IR-5				Y	3/26/2007
SM9	MON	NMON	IR-5				Y	3/26/2007
GI144	DEV	INJ	IR-4				Y	3/26/2007
GP3	DEV	REC	IR-5				Y	3/26/2007
GP30	DEV	REC	IR-5				Y	3/26/2007
GI42	DEV	INJ	IR-5				Y	3/26/2007
GI61	DEV	INJ	IR-5				Y	3/26/2007
GI64	DEV	INJ	IR-5				Y	3/26/2007
GI18	DEV	INJ	IR-4				Y	3/26/2007
GP54	DEV	REC	IR-5				Y	3/26/2007
GI147	DEV	INJ	IR-4				Y	3/26/2007
GP4	DEV	REC	IR-5				Y	3/26/2007
GP13	DEV	REC	IR-5				Y	3/26/2007
GI41	DEV	INJ	IR-5				Y	3/26/2007
GI43	DEV	INJ	IR-5				Y	3/26/2007
GP14	DEV	REC	IR-5				Y	3/26/2007
GI21	DEV	INJ	IR-5				Y	3/26/2007
GP22D	DEV	REC	IR-5				Y	3/26/2007
GI138	DEV	INJ	IR-4				Y	3/26/2007
GI107	DEV	INJ	IR-4				Y	3/26/2007
SSM8	MON	NMON	IR-5				Y	3/27/2007
HP2	DEV	REC	IR-6				Y	3/27/2007
GI142	DEV	INJ	IR-4				Y	3/27/2007
GP23	DEV	REC	IR-5				Y	3/27/2007
GP36	DEV	REC	IR-5				Y	3/27/2007
GI78	DEV	INJ	IR-5				Y	3/27/2007
GI136	DEV	INJ	IR-4				Y	3/27/2007
GI63	DEV	INJ	IR-5				Y	3/27/2007
GI79	DEV	INJ	IR-5				Y	3/27/2007
GP37	DEV	DNC	IR-5				Y	3/27/2007
GI97	DEV	INJ	IR-5				Y	3/27/2007
GI96B	DEV	INJ	IR-5				Y	3/27/2007

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GP31B	DEV	REC	IR-5				Y	3/27/2007
GI80	DEV	INJ	IR-5				Y	3/27/2007
GP56	DEV	REC	IR-5				Y	3/27/2007
HI5	DEV	INJ	IR-6	6			Y	3/27/2007
SM17	MON	NMON	IR-5				Y	3/27/2007
GI93	DEV	INJ	IR-5				Y	3/27/2007
GI135	DEV	INJ	IR-4				Y	4/9/2007
HI209	DEV	INJ	IR-6	6			Y	4/9/2007
HI161	DEV	INJ	IR-6	6			Y	4/9/2007
GI104B	DEV	INJ	IR-4				Y	4/9/2007
HI170	DEV	REC	IR-6	6			Y	4/9/2007
SSM7	MON	NMON	IR-5				Y	4/12/2007
HI15	DEV	REC	IR-6	6			Y	4/12/2007
GI124	DEV	INJ	IR-4				Y	4/12/2007
GI126	DEV	INJ	IR-4				Y	4/12/2007
GI51	DEV	INJ	IR-5				Y	4/12/2007
HP96	DEV	REC	IR-6	6			Y	4/12/2007
GI125	DEV	INJ	IR-4				Y	4/12/2007
GI130	DEV	INJ	IR-4				Y	4/12/2007
HP14B	DEV	REC	IR-6	6			Y	4/12/2007
GP42B	DEV	REC	IR-5				Y	4/12/2007
HP6	DEV	REC	IR-6	6			Y	4/12/2007
M16	UNK	UNK	IR				Y	4/16/2007
GI30	DEV	INJ	IR-5				Y	4/16/2007
GI32	DEV	INJ	IR-5				Y	4/16/2007
GI149	DEV	INJ	IR-4				Y	4/16/2007
GP9	DEV	REC	IR-5				Y	4/16/2007
GP18	DEV	REC	IR-5				Y	4/16/2007
GI49	DEV	INJ	IR-5				Y	4/16/2007
GI68	DEV	INJ	IR-5				Y	4/16/2007
GI9	DEV	DNC	IR-5				Y	4/16/2007
GI11	DEV	INJ	IR-4				Y	4/16/2007
GI12	DEV	INJ	IR-4				Y	4/16/2007
GI28	DEV	INJ	IR-5				Y	4/16/2007
GP10	DEV	REC	IR-5				Y	4/16/2007
GI10	DEV	INJ	IR-4				Y	4/16/2007
GI27	DEV	INJ	IR-5				Y	4/16/2007
GI29B	DEV	DNC	IR-4				Y	4/16/2007
GI29D	DEV	INJ	IR-4				Y	4/16/2007
GP25B	DEV	REC	IR-5				Y	4/16/2007
GP8	DEV	REC	IR-5				Y	4/16/2007
GI8	DEV	INJ	IR-5				Y	4/16/2007
DM17	MON	NMON	IR-5				Y	4/17/2007
GI129	DEV	INJ	IR-4				Y	4/17/2007
GI132	DEV	INJ	IR-4				Y	4/17/2007
GP58	DEV	REC	IR-5				Y	4/17/2007
HP5	DEV	REC	IR-6	6			Y	4/17/2007
GI141	DEV	INJ	IR-4				Y	4/17/2007
GP33	DEV	REC	IR-5				Y	4/17/2007



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 COGEMA Mining - Irigaray and Christensen Ranch Projects  
 2007 Annual Report  
 Abandoned Well Summary

WELL_ID	DH_TYPE	DH_STATUS	PERMIT_AREA	MODULE	PHASE	EXTRA	ABDN	ABDN_DATE
GI82	DEV	INJ	IR-5				Y	4/17/2007
GI84	DEV	INJ	IR-5				Y	4/17/2007
GP32	DEV	REC	IR-5				Y	4/17/2007
GI67	DEV	INJ	IR-5				Y	4/17/2007
HI13B	DEV	INJ	IR-6	6			Y	4/17/2007
GI66B	DEV	INJ	IR-5				Y	4/17/2007
GI95B	DEV	ABDN	IR-5				Y	4/17/2007
GP16B	DEV	INJ	IR-5				Y	4/17/2007
GI95	DEV	INJ	IR-5				Y	4/17/2007
GP38	DEV	REC	IR-5				Y	4/17/2007
GP57	DEV	REC	IR-5				Y	4/17/2007
GI143	DEV	INJ	IR-4				Y	4/17/2007
HP49B	DEV	REC	IR-6	6			Y	4/18/2007
GI110	DEV	INJ	IR-4				Y	4/18/2007
GI118	DEV	INJ	IR-4				Y	4/18/2007
GI121	DEV	INJ	IR-4				Y	4/18/2007
GI137	DEV	INJ	IR-4				Y	4/18/2007
HI155	DEV	INJ	IR-6	6			Y	4/18/2007
HI157	DEV	INJ	IR-6	6			Y	4/18/2007
HI159	DEV	INJ	IR-6	6			Y	4/18/2007
HI95	DEV	INJ	IR-5				Y	4/18/2007
GP47	DEV	REC	IR-5				Y	4/18/2007
HP68	DEV	REC	IR-5				Y	4/18/2007
HI184	DEV	INJ	IR-6				Y	4/18/2007
HI158	DEV	INJ	IR-6	6			Y	4/18/2007
HI96	DEV	INJ	IR-5				Y	4/18/2007
HP67	DEV	REC	IR-5				Y	4/18/2007
GI123	DEV	INJ	IR-4				Y	4/18/2007
GI134	DEV	INJ	IR-4				Y	4/18/2007
HI97	DEV	INJ	IR-5				Y	4/18/2007
GI116B	DEV	INJ	IR-4				Y	4/18/2007
GP50B	DEV	REC	IR-5				Y	4/18/2007
GI145	DEV	INJ	IR-4				Y	4/18/2007
GI109	DEV	INJ	IR-4				Y	4/18/2007
FI69	DEV	INJ	IR-4				Y	4/26/2007
GI114	DEV	INJ	IR-4				Y	4/26/2007
GP11	DEV	REC	IR-5				Y	4/26/2007
GI35	DEV	INJ	IR-5				Y	4/26/2007
GP59	DEV	REC	IR-5				Y	4/26/2007
FI93B	DEV	INJ	IR-4				Y	4/26/2007
GI108B	DEV	INJ	IR-4				Y	4/26/2007
GP51D	DEV	REC	IR-5				Y	4/26/2007
GI148	DEV	INJ	IR-4				Y	4/26/2007
GP44B							Y	4/26/2007
DI52	DEV	INJ	IR-2				Y	4/30/2007
DI29	DEV	INJ	IR-3				Y	4/30/2007
EI90	DEV	INJ	IR-2				Y	4/30/2007
FP33	DEV	REC	IR-4				Y	4/30/2007
GI16	DEV	INJ	IR-4				Y	4/30/2007

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 COGEMA Mining - Irigaray and Christensen Ranch Projects  
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WELL_ID	DH_TYPE	DH_STATUS	PERMIT_AREA	MODULE	PHASE	EXTRA	ABDN	ABDN_DATE
EI32	DEV	INJ	IR-2			Y		4/30/2007
DI69	DEV	INJ	IR-3			Y		4/30/2007
DI95	DEV	INJ	IR-4			Y		4/30/2007
DP32	DEV	REC	IR-4			Y		4/30/2007
DI98	DEV	INJ	IR-4			Y		4/30/2007
FI71D	DEV	INJ	IR-4			Y		4/30/2007
EP25	DEV	REC	IR-2			Y		4/30/2007
DI54	DEV	INJ	IR-2			Y		4/30/2007
FI98	DEV	INJ	IR-4			Y		4/30/2007
RS19	MON	NMON	IR-3			Y		5/1/2007
CI5	DEV	INJ	IR-2			Y		5/2/2007
BI43	DEV	INJ	IR-1			Y		5/2/2007
DP6	DEV	REC	IR-2			Y		5/2/2007
AI20S	DEV	DNC	IR-1			Y		5/2/2007
DP30	DEV	REC	IR-3			Y		5/8/2007
CI15	DEV	INJ	IR-2			Y		5/8/2007
FI26	DEV	DNC	IR-3			Y		5/8/2007
FI32	DEV	INJ	IR-3			Y		5/8/2007
FI40	DEV	INJ	IR-4			Y		5/8/2007
EI91	DEV	INJ	IR-2			Y		5/8/2007
GI112	DEV	INJ	IR-4			Y		5/8/2007
GI38	DEV	INJ	IR-5			Y		5/8/2007
GP46	DEV	REC	IR-5			Y		5/8/2007
GI115	DEV	INJ	IR-4			Y		5/8/2007
GI59	DEV	INJ	IR-5			Y		5/8/2007
GI76	DEV	INJ	IR-5			Y		5/8/2007
DI94	DEV	INJ	IR-2			Y		5/8/2007
FI29	DEV	DNC	IR-3			Y		5/8/2007
FI7	DEV	INJ	IR-3			Y		5/8/2007
M12	MON	NMON	IR-6			Y		5/9/2007
GI91	DEV	INJ	IR-5			Y		5/9/2007
GI25	DEV	INJ	IR-5			Y		5/9/2007
HP4	DEV	REC	IR-6	6		Y		5/9/2007
HI3B	DEV	REC	IR-6	6		Y		5/9/2007
HI156	DEV	INJ	IR-6	6		Y		5/9/2007
GI81	DEV	INJ	IR-5			Y		5/9/2007
HI9B	DEV	INJ	IR-6	6		Y		5/9/2007
HI2B	DEV	REC	IR-6	6		Y		5/9/2007
HI206	DEV	REC	IR-6	6		Y		5/9/2007
HP1	DEV	REC	IR-6	6		Y		5/9/2007
GI92B						Y		5/9/2007
HI122	DEV	REC	IR-6	6		Y		5/10/2007
HP57	DEV	REC	IR-6	6		Y		5/10/2007
HI114	DEV	INJ	IR-6	6		Y		5/10/2007
HI115	DEV	INJ	IR-6	6		Y		5/10/2007
HI125	DEV	INJ	IR-6	6		Y		5/10/2007
HI132	DEV	INJ	IR-6	6		Y		5/10/2007
HP54	DEV	REC	IR-6	6		Y		5/10/2007
HI124	DEV	INJ	IR-6	6		Y		5/10/2007

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 COGEMA Mining - Irigaray and Christensen Ranch Projects  
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WELL_ID	DH_TYPE	DH_STATUS	PERMIT_AREA	MODULE	PHASE	EXTRA	ABDN	ABDN_DATE
HP43	DEV	REC	IR-6	6			Y	5/10/2007
HI126B	DEV	REC	IR-6	6			Y	5/10/2007
HI93	DEV	REC	IR-6	6			Y	5/10/2007
M17	MON	NMON	IR-1				Y	5/15/2007
M1	MON	NMON	IR-1				Y	5/15/2007
M4	MON	NMON	IR-2				Y	5/15/2007
M14	MON	NMON	IR-1				Y	5/15/2007
GI62	DEV	INJ	IR-5				Y	5/15/2007
FP31	DEV	ABDN	IR-4				Y	5/15/2007
FP36	DEV	ABDN	IR-3				Y	5/15/2007
GI56	DEV	INJ	IR-4				Y	5/15/2007
FI38B	DEV	INJ	IR-4				Y	5/15/2007
FP18B	DEV	REC	IR-4				Y	5/15/2007
GP21B	DEV	REC	IR-5				Y	5/15/2007
M13	UNK	UNK	IR				Y	5/15/2007
M28	MON	NMON	IR-8				Y	5/16/2007
M23	MON	NMON	IR-5				Y	5/16/2007
M24	MON	NMON	IR-6				Y	5/16/2007
M26	MON	NMON	IR-7				Y	5/16/2007
EI18	MON	NMON	IR-1				Y	5/16/2007
M6	UNK	UNK	IR				Y	5/16/2007
M9	UNK	UNK	IR				Y	5/16/2007
T31	MON	NMON	IR-1				Y	5/16/2007
M8	UNK	UNK	IR				Y	5/16/2007
M20	UNK	UNK	IR				Y	5/16/2007
M33	MON	NMON	IR-9				Y	5/17/2007
M32	MON	NMON	IR-9				Y	5/17/2007
M29	MON	NMON	IR-8				Y	5/17/2007
M31	MON	NMON	IR-9				Y	5/17/2007
M27	MON	NMON	IR-7				Y	5/17/2007
M30	MON	NMON	IR-9				Y	5/17/2007
16-151	MON	NMON	IR-9				Y	5/17/2007
M11	UNK	UNK	IR				Y	5/17/2007
RS84	MON	NMON	IR-4				Y	5/20/2007
FI56	DEV	INJ	IR-4				Y	5/22/2007
M25	MON	NMON	IR-6				Y	5/23/2007
RS27	MON	NMON	IR-5				Y	5/23/2007
KP52	DEV	ABDN	IR-8	8			Y	5/23/2007
SM29	UNK	UNK	IR				Y	5/23/2007
KP51	DEV	ABDN	IR-8				Y	5/23/2007
M10	MON	NMON	IR-4				Y	5/23/2007
M15	MON	NMON	IR-5				Y	5/23/2007
HI194	DEV	REC	IR-6	6			Y	5/24/2007
M21	UNK	UNK	IR				Y	5/24/2007
HP28	DEV	REC	IR-6	6			Y	5/24/2007
HP36	DEV	REC	IR-6	6			Y	5/24/2007
HP53	DEV	REC	IR-6	6			Y	5/24/2007
M2	MON	NMON	IR-2				Y	6/4/2007
M7	MON	NMON	IR-1				Y	6/4/2007

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## COGEMA Mining - Irigaray and Christensen Ranch Projects

## 2007 Annual Report

## Abandoned Well Summary

WELL_ID	DH_TYPE	DH_STATUS	PERMIT_AREA	MODULE	PHASE	EXTRA	ABDN	ABDN_DATE
M19	MON	NMON	IR-3				Y	6/4/2007
M18	MON	NMON	IR-1				Y	6/4/2007
HI89	DEV	REC	IR-6	6			Y	6/5/2007
HI90	DEV	REC	IR-6	6			Y	6/5/2007
FI68	DEV	INJ	IR-4				Y	6/5/2007
GI108	DEV	INJ	IR-4				Y	6/5/2007
HP34	DEV	REC	IR-6	6			Y	6/5/2007
HI181	DEV	INJ	IR-6	6			Y	6/5/2007
HI185	DEV	INJ	IR-6				Y	6/5/2007
GP2	DEV	REC	IR-5				Y	6/5/2007
GP5	DEV	REC	IR-5				Y	6/6/2007
T6	MON	NMON	IR-2				Y	6/20/2007
AI32	DEV	INJ	IR-1				Y	6/20/2007
GI22	DEV	INJ	IR-5				Y	6/20/2007
LI148	DEV	PT	IR-9	9			Y	6/20/2007

## **APPENDIX 2**

### **Monitor & Trend Well Sampling Data**

**MONITOR AND TREND WELL INDEX****CHRISTENSEN RANCH PROJECT****MONITOR WELLS**  
**PERIMETER ORE ZONE**

<b>Well I.D.</b>	<b>Location</b>	<b>Page #</b>	<b>Well I.D.</b>	<b>Location</b>	<b>Page #</b>
MW17-2	Mine Unit 3	1	MW102	Mine Unit 2	48
MW18	Mine Unit 3	2	MW103	Mine Unit 2	49
MW19	Mine Unit 3	3	MW104	Mine Unit 2	50
MW20	Mine Unit 3	4	MW105	Mine Unit 2	51
MW23	Mine Unit 3	5	MW106	Mine Unit 2	52
MW24	Mine Unit 3	6	MW107	Mine Unit 2	53
MW25	Mine Unit 3	7	MW108	Mine Unit 2	54
MW26	Mine Unit 3	8	MW109	Mine Unit 2	55
MW27	Mine Unit 3	9	MW110	Mine Unit 2	56
MW28	Mine Unit 3	10	MW111	Mine Unit 2	57
MW29	Mine Unit 3	11	MW114	Mine Unit 3	58
MW30	Mine Unit 3	12	MW115	Mine Unit 3	59
MW31	Mine Unit 3	13	MW116	Mine Unit 3	60
MW32	Mine Unit 3	14	4MW-1	Mine Unit 4	61
MW35	Mine Unit 3	15	4MW-2	Mine Unit 4	62
MW36	Mine Unit 3	16	4MW-3	Mine Unit 4	63
MW37	Mine Unit 3	17	4MW-4	Mine Unit 4	64
MW38	Mine Unit 3	18	4MW-5	Mine Unit 4	65
MW39	Mine Unit 3	19	4MW-6	Mine Unit 4	66
MW40	Mine Unit 3	20	4MW-7	Mine Unit 4	67
MW41	Mine Unit 3	21	4MW-8	Mine Unit 4	68
MW42	Mine Unit 3	22	4MW-9	Mine Unit 4	69
MW43	Mine Unit 3	23	4MW-10	Mine Unit 4	70
MW44	Mine Unit 3	24	4MW-11	Mine Unit 4	71
MW45	Mine Unit 3	25	4MW-12	Mine Unit 4	72
MW62	Mine Unit 3	26	4MW-13	Mine Unit 4	73
MW63	Mine Unit 3	27	4MW-14	Mine Unit 4	74
MW64	Mine Unit 3	28	4MW-15	Mine Unit 4	75
MW73	Mine Unit 2	29	4MW-16	Mine Unit 4	76
MW74	Mine Unit 2	30	4MW-17	Mine Unit 4	77
MW75	Mine Unit 2	31	4MW-18	Mine Unit 4	78
MW76	Mine Unit 2	32	4MW-19	Mine Unit 4	79
MW77	Mine Unit 2	33	4MW-20	Mine Unit 4	80
MW78	Mine Unit 2	34	4MW-21	Mine Unit 4	81
MW79	Mine Unit 2	35	4MW-22	Mine Unit 4	82
MW80	Mine Unit 2	36	4MW-23	Mine Unit 4	83
MW81	Mine Unit 2	37	4MW-24	Mine Unit 4	84
MW82	Mine Unit 2	38	4MW-25	Mine Unit 4	85
MW83	Mine Unit 2	39	5MW1	Mine Unit 5	86
MW84	Mine Unit 2	40	5MW2	Mine Unit 5	87
MW85	Mine Unit 2	41	5MW3	Mine Unit 5	88
MW86	Mine Unit 2	42	5MW4	Mine Unit 5	89
MW87	Mine Unit 2	43	5MW5	Mine Unit 5	90
MW88	Mine Unit 2	44	5MW6	Mine Unit 5	91
MW89	Mine Unit 2	45	5MW7	Mine Unit 5	92
MW90	Mine Unit 2	46	5MW8	Mine Unit 5	93
MW101	Mine Unit 2	47	5MW10	Mine Unit 5	94

**MONITOR AND TREND WELL INDEX****CHRISTENSEN RANCH PROJECT****MONITOR WELLS**  
**PERIMETER ORE ZONE**

<b>Well I.D.</b>	<b>Location</b>	<b>Page #</b>	<b>Well I.D.</b>	<b>Location</b>	<b>Page #</b>
5MW12	Mine Unit 5	95	5MW64	Mine Unit 5	134
5MW14	Mine Unit 5	96	5MW65	Mine Unit 5	135
5MW16	Mine Unit 5	97	5MW66	Mine Unit 5	136
5MW18	Mine Unit 5	98	5MW67	Mine Unit 5	137
5MW20	Mine Unit 5	99	5MW69	Mine Unit 5	138
5MW30A	Mine Unit 5	100	6MW17-2	Mine Unit 6	139
5MW31	Mine Unit 5	101	6MW19	Mine Unit 6	140
5MW32A	Mine Unit 5	102	6MW21	Mine Unit 6	141
5MW33	Mine Unit 5	103	6MW23	Mine Unit 6	142
5MW34	Mine Unit 5	104	6MW25	Mine Unit 6	143
5MW35A	Mine Unit 5	105	6MW27	Mine Unit 6	144
5MW36	Mine Unit 5	106	6MW29	Mine Unit 6	145
5MW37	Mine Unit 5	107	6MW31	Mine Unit 6	146
5MW38	Mine Unit 5	108	6MW33	Mine Unit 6	147
5MW39A	Mine Unit 5	109	6MW34	Mine Unit 6	148
5MW40	Mine Unit 5	110	6MW35	Mine Unit 6	149
5MW41A	Mine Unit 5	111	6MW36	Mine Unit 6	150
5MW42	Mine Unit 5	112	6MW37	Mine Unit 6	151
5MW43	Mine Unit 5	113	6MW38	Mine Unit 6	152
5MW44	Mine Unit 5	114	6MW39	Mine Unit 6	153
5MW45	Mine Unit 5	115	6MW40	Mine Unit 6	154
5MW46	Mine Unit 5	116	6MW41	Mine Unit 6	155
5MW47B	Mine Unit 5	117	6MW42	Mine Unit 6	156
5MW48	Mine Unit 5	118	6MW43	Mine Unit 6	157
5MW49	Mine Unit 5	119	6MW44	Mine Unit 6	158
5MW50	Mine Unit 5	120	6MW45	Mine Unit 6	159
5MW51	Mine Unit 5	121	6MW46	Mine Unit 6	160
5MW52	Mine Unit 5	122	6MW47	Mine Unit 6	161
5MW53	Mine Unit 5	123	6MW48-3	Mine Unit 6	162
5MW54	Mine Unit 5	124	6MW49	Mine Unit 6	163
5MW55	Mine Unit 5	125	6MW50	Mine Unit 6	164
5MW56	Mine Unit 5	126	6MW51	Mine Unit 6	165
5MW57	Mine Unit 5	127	6MW52	Mine Unit 6	166
5MW58	Mine Unit 5	128	6MW53	Mine Unit 6	167
5MW59	Mine Unit 5	129	6MW54	Mine Unit 6	168
5MW60	Mine Unit 5	130			
5MW61	Mine Unit 5	131			
5MW62	Mine Unit 5	132			
5MW63	Mine Unit 5	133			

**MONITOR AND TREND WELL INDEX****CHRISTENSEN RANCH PROJECT****INTERIOR SHALLOW SAND**  
**MONITOR WELLS**

<b>Well I.D.</b>	<b>Location</b>	<b>Page #</b>	<b>Well I.D.</b>	<b>Location</b>	<b>Page #</b>
MW-11S	Mine Unit 5	169	4SRM-07	Mine Unit 4	191
MW46S	Mine Unit 3	170	5SM1	Mine Unit 5	192
MW48S	Mine Unit 3	171	5SM2	Mine Unit 5	193
MW50S	Mine Unit 3	172	5SM3	Mine Unit 5	194
MW52S	Mine Unit 3	173	5SM5	Mine Unit 5	195
MW54S	Mine Unit 3	174	5SM6	Mine Unit 5	196
MW56S	Mine Unit 3	175	5SM7	Mine Unit 5	197
MW58S	Mine Unit 3	176	WCOW-04	Mine Unit 5	198
MW66S-2	Mine Unit 3	177	6SM1	Mine Unit 6	199
MW68S	Mine Unit 2	178	6SM2	Mine Unit 6	200
MW70S	Mine Unit 2	179	6SM3	Mine Unit 6	201
MW72S	Mine Unit 2	180	6SM4	Mine Unit 6	202
MW92S	Mine Unit 2	181	6SM5	Mine Unit 6	203
MW94S	Mine Unit 2	182	6SM6	Mine Unit 6	204
MW96S	Mine Unit 2	183	6SM7	Mine Unit 6	205
MW98S	Mine Unit 2	184	6SM8	Mine Unit 6	206
MW100S	Mine Unit 2	185	6SM9	Mine Unit 6	207
MW112S	Mine Unit 2	186	6SM10	Mine Unit 6	208
MW117S	Mine Unit 2	187	6SM11	Mine Unit 6	209
4SM-1	Mine Unit 4	188	6SM12	Mine Unit 6	210
4SM-4	Mine Unit 4	189	6SM13	Mine Unit 6	211
4SM-8	Mine Unit 4	190	6SM14	Mine Unit 6	212



**MONITOR AND TREND WELL INDEX****CHRISTENSEN RANCH PROJECT****INTERIOR DEEP SAND**  
**MONITOR WELLS**

<b>Well I.D.</b>	<b>Location</b>	<b>Page #</b>	<b>Well I.D.</b>	<b>Location</b>	<b>Page #</b>
MW-12D	Mine Unit 5	213	5DM1A	Mine Unit 5	235
MW45D	Mine Unit 3	214	5DM2	Mine Unit 5	236
MW47D	Mine Unit 3	215	5DM3	Mine Unit 5	237
MW49D	Mine Unit 3	216	5DM4	Mine Unit 5	238
MW51D	Mine Unit 3	217	5DM5	Mine Unit 5	239
MW53D	Mine Unit 3	218	5DM7	Mine Unit 5	240
MW55D	Mine Unit 3	219	WCOW-37D	Mine Unit 5	241
MW57D	Mine Unit 3	220	6DM1	Mine Unit 6	242
MW65D	Mine Unit 3	221	6DM2	Mine Unit 6	243
MW67D	Mine Unit 2	222	6DM3-2	Mine Unit 6	244
MW69D	Mine Unit 2	223	6DM4-2	Mine Unit 6	245
MW71D	Mine Unit 2	224	6DM5	Mine Unit 6	246
MW91D	Mine Unit 2	225	6DM6	Mine Unit 6	247
MW93D	Mine Unit 2	226	6DM7	Mine Unit 6	248
MW95D	Mine Unit 2	227	6DM8	Mine Unit 6	249
MW97D	Mine Unit 2	228	6DM9	Mine Unit 6	250
MW99D	Mine Unit 2	229	6DM10	Mine Unit 6	251
MW113D	Mine Unit 2	230	6DM11	Mine Unit 6	252
4DM-1	Mine Unit 4	231	6DM12	Mine Unit 6	253
4DM-4	Mine Unit 4	232	6DM13	Mine Unit 6	254
4DM-8	Mine Unit 4	233	6DM14	Mine Unit 6	255
4DRM-07	Mine Unit 4	234			

**MONITOR AND TREND WELL INDEX      CHRISTENSEN RANCH PROJECT**  
**PERIMETER ORE ZONE**  
**TREND WELLS**

<b>Well I.D.</b>	<b>Location</b>	<b>Page #</b>
MW78T	Mine Unit 6	256
MW87T	Mine Unit 2	257
5TW1	Mine Unit 6	258
6TW1	Mine Unit 6	259
6TW2	Mine Unit 6	260
6TW3	Mine Unit 6	261
6TW4	Mine Unit 6	262
6TW5	Mine Unit 6	263

**INTERIOR DEEP SAND**  
**TREND WELLS**

<b>Well I.D.</b>	<b>Location</b>	<b>Page #</b>
5DM8T	Mine Unit 5	264
5DM9T	Mine Unit 5	265
6DT1	Mine Unit 6	266

**IRIGARAY RANCH USMT and 517 WELLS**

<b>Well I.D.</b>	<b>Location</b>	<b>Page #</b>
M1	517 Site	267
NM3	517Site	268
M4	517 Site	269
SM1	517 Site	270
M219	USMT	271
M220	USMT	272
M221	USMT	273

# **CHRISTENSEN PROJECT**

## **Perimeter Ore Zone Monitor Wells**

Mine Unit 3  
Well I.D. MW17-2

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	$\mu$ mho/cm	mg/l as $\text{CaCO}_3$		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
27 JUL 2006	10.0	669	101.6	8.9		4560.5
17 OCT 2006	9.0	659	93.3	8.8		4562.5
16 JAN 2007	9.8	661	91.0	8.6		4565.1
09 APR 2007	9.2	664	90.9	8.7		4566.8

\* Values Exceed Upper Control Limit

MW17-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW18

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
25 JUL 2006	10.0	662	103.4	8.6		4559.1
17 OCT 2006	9.3	662	94.4	8.7		4560.7
16 JAN 2007	9.8	665	92.7	8.3		4563.7
11 APR 2007	9.4	667	91.5	8.6		4566.7

\* Values Exceed Upper Control Limit

MW18

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW19

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
27 JUL 2006	9.7	659	105.7	8.3		4557.5
24 OCT 2006	9.9	662	94.6	8.4		4560.1
16 JAN 2007	9.8	669	96.8	8.1		4562.9
16 APR 2007	9.5	676	111.6	8.5		4565.1

\* Values Exceed Upper Control Limit

MW19

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW20

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
25 JUL 2006	9.6	665	107.2	8.4		4556.9
17 OCT 2006	9.2	667	99.1	8.5		4558.6
16 JAN 2007	9.5	667	95.6	8.2		4561.4
11 APR 2007	9.3	669	93.4	8.5		4564.4

\* Values Exceed Upper Control Limit

MW20

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW23

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date					
25 JUL 2006	10.2	656	98.8	8.6	4547.2
17 OCT 2006	9.3	651	90.0	8.6	4553.0
16 JAN 2007	9.9	654	89.4	8.3	4555.9
09 APR 2007	10.1	656	88.6	8.6	4558.7

\* Values Exceed Upper Control Limit

MW23

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 3  
Well I.D. MW24

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
25 JUL 2006	10.4	658	103.1	8.6		4550.8
17 OCT 2006	9.6	659	93.8	8.6		4553.1
16 JAN 2007	10.1	659	94.0	8.4		4555.7
11 APR 2007	9.8	658	89.6	8.6		4558.5

\* Values Exceed Upper Control Limit

MW24

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW25

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date

25 JUL 2006	10.3	657	96.7	8.5		4552.1
17 OCT 2006	9.1	659	92.2	8.5		4554.4
16 JAN 2007	9.3	659	94.8	8.3		4557.0
11 APR 2007	9.4	661	90.5	8.6		4559.8

\* Values Exceed Upper Control Limit

MW25

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW26

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date					
25 JUL 2006	10.3	657	100.9	8.5	4554.2
17 OCT 2006	9.4	665	93.0	8.5	4556.0
16 JAN 2007	9.9	659	90.3	8.3	4562.7
11 APR 2007	9.7	660	88.4	8.5	4561.4

\* Values Exceed Upper Control Limit

MW26

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW27

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date

25 JUL 2006	12.8	669	106.7	8.5		4557.7
17 OCT 2006	11.7	669	99.2	8.5		4557.7
16 JAN 2007	11.7	672	100.8	8.3		4555.4
11 APR 2007	12.1	675	95.0	8.5		4556.4

\* Values Exceed Upper Control Limit

MW27

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW28

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
26 JUL 2006	10.4	709	102.2	8.5		4561.4
16 OCT 2006	10.3	714	95.4	8.3		4563.3
16 JAN 2007	10.4	718	96.5	8.1		4566.4
09 APR 2007	9.9	720	95.7	8.4		4568.4

\* Values Exceed Upper Control Limit

MW28

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW29

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
26 JUL 2006	10.4	661	103.1	8.5		4563.9
16 OCT 2006	9.3	661	95.8	8.4		4565.1
16 JAN 2007	9.8	662	94.6	8.2		4568.8
11 APR 2007	9.7	663	94.2	8.5		4571.3

\* Values Exceed Upper Control Limit

MW29

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW30

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
26 JUL 2006	9.7	669	110.1	8.5		4565.7
16 OCT 2006	9.3	669	100.8	8.4		4567.4
16 JAN 2007	9.5	669	97.4	8.2		4570.7
11 APR 2007	10.1	676	103.8	8.5		4573.8

\* Values Exceed Upper Control Limit

MW30

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW31

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
26 JUL 2006	9.9	672	104.4	8.5		4568.6
16 OCT 2006	9.0	669	98.9	8.5		4569.9
16 JAN 2007	9.8	670	99.9	8.3		4573.4
11 APR 2007	9.6	673	99.0	8.5		4566.6

\* Values Exceed Upper Control Limit

MW31

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 3  
Well I.D. MW32

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
26 JUL 2006	10.0	670	108.8	8.5		4569.1
16 OCT 2006	8.9	669	101.6	8.5		4570.6
23 JAN 2007	9.1	669	106.1	8.5		4574.2
09 APR 2007	9.0	672	97.6	8.5		4577.6

\* Values Exceed Upper Control Limit

MW32

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW35

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
26 JUL 2006	13.1	711	135.5	8.4		4565.0
17 OCT 2006	11.2	707	120.6	8.4		4566.8
23 JAN 2007	11.2	709	122.2	8.4		4570.0
09 APR 2007	12.0	717	122.4	8.4		4573.0

\* Values Exceed Upper Control Limit

MW35

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW36

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
26 JUL 2006	10.3	665	103.7	8.4		4569.4
17 OCT 2006	9.3	667	100.1	8.4		4571.1
23 JAN 2007	9.1	669	100.1	8.5		4574.5
09 APR 2007	9.2	669	97.2	8.4		4576.2

\* Values Exceed Upper Control Limit

MW36

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW37

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
26 JUL 2006	11.3	669	101.9	8.4		4562.7
17 OCT 2006	10.0	670	101.1	8.4		4564.5
23 JAN 2007	9.8	671	100.1	8.4		4567.7
09 APR 2007	9.2	671	96.2	8.4		4570.5

\* Values Exceed Upper Control Limit

MW37

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW38

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
31 JUL 2006	10.2	664	102.8	8.6		4561.8
16 OCT 2006	9.3	666	97.1	8.6		4563.6
16 JAN 2007	10.2	665	98.2	8.4		4566.8
16 APR 2007	9.6	668	110.7	8.8		4568.8

\* Values Exceed Upper Control Limit

MW38

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW39

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
27 JUL 2006	10.4	665	103.4	8.7		4562.5
16 OCT 2006	9.3	665	96.7	8.6		4564.1
16 JAN 2007	10.3	664	95.9	8.4		4567.2
16 APR 2007	10.8	666	110.5	8.8		4569.9

\* Values Exceed Upper Control Limit

MW39

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW40

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
26 JUL 2006	9.8	667	104.0	8.6		4563.3
17 OCT 2006	8.9	667	97.7	8.6		4565.0
16 JAN 2007	9.8	667	95.8	8.3		4568.3
09 APR 2007	9.8	668	97.1	8.3		4571.0

\* Values Exceed Upper Control Limit

MW40

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW41

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
26 JUL 2006	9.9	674	115.8	8.4		4571.0
16 OCT 2006	9.2	673	103.1	8.5		4572.4
23 JAN 2007	9.0	674	102.5	8.5		4576.4
09 APR 2007	9.4	675	95.9	8.4		4580.0

\* Values Exceed Upper Control Limit

MW41

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 3  
Well I.D. MW42

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date

26 JUL 2006	9.9	664	115.0	8.6		4572.7
16 OCT 2006	9.8	663	115.0	8.6		4574.3
23 JAN 2007	9.7	664	99.1	8.6		4578.3
09 APR 2007	9.0	665	100.0	8.4		4581.7

\* Values Exceed Upper Control Limit

MW42

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW43

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
26 JUL 2006	9.9	663	106.8	8.4		4574.8
16 OCT 2006	8.6	662	97.7	8.5		4576.4
23 JAN 2007	8.9	663	99.6	8.5		4580.4
09 APR 2007	9.1	664	96.8	8.5		4583.6

\* Values Exceed Upper Control Limit

MW43

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW44

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
26 JUL 2006	9.6	665	104.6	8.3		4562.1
17 OCT 2006	8.9	663	94.8	8.3		4563.6
23 JAN 2007	9.2	665	93.8	8.4		4567.1
16 APR 2007	10.8	668	106.4	8.5		4569.5

\* Values Exceed Upper Control Limit

MW44

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW45

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date					
26 JUL 2006	10.1	670	108.5	8.4	4564.3
17 OCT 2006	8.9	665	97.3	8.4	4565.3
23 JAN 2007	9.1	667	96.5	8.5	4569.6
16 APR 2007	10.7	669	109.1	8.5	4572.6

\* Values Exceed Upper Control Limit

MW45

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW62

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date

27 JUL 2006	9.8	659	104.7	8.9		4569.1
16 OCT 2006	8.8	659	88.6	9.0		4570.6
24 JAN 2007	9.0	663	92.9	8.8		4573.8
09 APR 2007	9.1	662	96.8	8.4		4576.9

\* Values Exceed Upper Control Limit

MW62

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW63

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date					
27 JUL 2006	10.0	661	99.6	8.9	4571.9
16 OCT 2006	8.7	663	94.8	8.8	4573.1
23 JAN 2007	8.6	662	91.3	8.8	4576.7
09 APR 2007	9.0	664	90.2	8.8	4580.1

\* Values Exceed Upper Control Limit

MW63

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW64

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date					
27 JUL 2006	9.3	669	112.1	8.4	4575.2
16 OCT 2006	9.1	669	111.1	8.5	4576.4
23 JAN 2007	8.6	672	100.2	8.4	4580.2
09 APR 2007	8.9	673	98.3	8.7	4583.8

\* Values Exceed Upper Control Limit

MW64

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW73

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date						
26 SEP 2006	9.4	666	96.9	8.8		4567.2
12 DEC 2006	9.3	665	97.5	8.7		4569.4
27 MAR 2007	9.4	669	100.1	8.7		4572.3
18 JUN 2007	9.4	667	95.3	8.7		4574.4

\* Values Exceed Upper Control Limit

MW73

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 2  
Well I.D. MW74

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date

26 SEP 2006	9.4	667	100.2	8.9		4567.3
12 DEC 2006	9.2	669	98.7	8.8		4569.7
03 APR 2007	9.2	671	98.3	8.9		4572.8
18 JUN 2007	9.1	669	94.9	8.9		4574.3

\* Values Exceed Upper Control Limit

MW74

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW75

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date

25 SEP 2006	9.5	667	101.3	8.8		4566.0
12 DEC 2006	9.1	674	97.9	8.6		4568.2
27 MAR 2007	9.4	677	101.6	8.6		4568.4
18 JUN 2007	9.7	677	95.0	8.6		4572.9

\* Values Exceed Upper Control Limit

MW75

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW76

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date						
25 SEP 2006	8.7	726	102.1	8.1		4566.5
12 DEC 2006	8.3	725	95.7	8.5		4567.4
27 MAR 2007	8.3	726	96.8	8.5		4570.2
18 JUN 2007	8.2	724	92.1	8.5		4573.6

\* Values Exceed Upper Control Limit

MW76

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW77

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date

25 SEP 2006	8.6	739	99.0	8.0		4565.6
12 DEC 2006	8.2	736	93.8	8.3		4568.2
27 MAR 2007	8.3	742	96.8	8.4		4570.3
18 JUN 2007	8.0	742	89.4	8.4		4572.7

\* Values Exceed Upper Control Limit

MW77

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW78

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date						
25 SEP 2006	9.1	701	100.4	8.6		4561.4
12 DEC 2006	8.7	702	95.3	8.4		4563.5
27 MAR 2007	8.8	706	98.9	8.4		4565.7
18 JUN 2007	9.7	705	95.0	8.5		4568.0

\* Values Exceed Upper Control Limit

MW78

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW79

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date

25 SEP 2006	9.0	717	102.8	8.5		4559.2
12 DEC 2006	8.3	718	95.7	8.3		4561.0
27 MAR 2007	8.9	720	102.4	8.4		4562.7
18 JUN 2007	8.3	718	93.2	8.4		4565.4

\* Values Exceed Upper Control Limit

MW79

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW80

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date

25 SEP 2006	9.7	676	101.5	8.2		4555.8
12 DEC 2006	9.0	680	95.7	8.3		4557.7
27 MAR 2007	9.3	681	98.8	8.4		4560.0
18 JUN 2007	9.0	682	92.6	8.4		4562.0

\* Values Exceed Upper Control Limit

MW80

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW81

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date

25 SEP 2006	9.9	668	103.7	8.6		4554.7
12 DEC 2006	9.2	671	94.8	8.4		4556.5
27 MAR 2007	9.2	673	97.4	8.4		4558.5
18 JUN 2007	9.6	672	96.6	8.5		4560.7

\* Values Exceed Upper Control Limit

MW81

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 2  
Well I.D. MW82

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date						
25 SEP 2006	10.1	651	98.0	8.4		4548.7
11 DEC 2006	9.8	653	93.0	8.5		4550.4
27 MAR 2007	9.9	656	95.8	8.4		4551.3
06 JUN 2007	9.0	653	85.1	8.1		4554.1

\* Values Exceed Upper Control Limit

MW82

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW83

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date						
25 SEP 2006	10.3	658	99.2	8.6		4549.7
11 DEC 2006	9.8	659	95.1	8.4		4551.3
27 MAR 2007	9.6	661	96.5	8.4		4553.1
06 JUN 2007	9.4	657	88.9	8.2		4555.3

\* Values Exceed Upper Control Limit

MW83

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW84

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date						
25 SEP 2006	10.3	663	101.8	8.4		4549.8
11 DEC 2006	9.7	665	98.2	8.4		4551.3
27 MAR 2007	9.9	669	104.0	8.4		4553.5
06 JUN 2007	9.2	668	92.0	8.2		4555.5

\* Values Exceed Upper Control Limit

MW84

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW85

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date						
25 SEP 2006	10.7	655	103.3	8.5		4549.8
11 DEC 2006	9.9	658	95.4	8.4		4551.5
27 MAR 2007	10.1	659	98.9	8.4		4554.6
06 JUN 2007	10.0	660	88.4	8.2		4555.5

\* Values Exceed Upper Control Limit

MW85

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW86

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date						
26 SEP 2006	11.4	661	104.4	8.2		4551.7
11 DEC 2006	9.6	662	95.9	8.3		4553.3
27 MAR 2007	9.8	662	99.5	8.3		4555.2
05 JUN 2007	9.9	665	101.4	8.4		4551.2

\* Values Exceed Upper Control Limit

MW86

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW87

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date						
26 SEP 2006	9.3	663	97.4	8.4		4554.6
12 DEC 2006	9.9	663	98.0	8.1		4555.6
27 MAR 2007	9.5	667	95.8	8.2		4556.9
05 JUN 2007	9.4	665	99.4	8.3		4554.9

\* Values Exceed Upper Control Limit

MW87

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW88

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date						
26 SEP 2006	9.4	663	96.6	8.4		4557.5
12 DEC 2006	9.4	663	97.7	8.3		4559.5
27 MAR 2007	9.5	666	95.9	8.2		4561.9
05 JUN 2007	8.8	665	89.6	8.3		4563.6

\* Values Exceed Upper Control Limit

MW88

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW89

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date						
26 SEP 2006	12.1	726	123.0	*	8.4	4560.7
12 DEC 2006	12.6	732	129.6	*	8.2	4562.9
27 MAR 2007	12.8	745	129.7	*	8.2	4562.9
05 JUN 2007	12.4	747	124.4	*	8.2	4567.1

\* Values Exceed Upper Control Limit

MW89

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 2  
Well I.D. MW90

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.6	823	121.3			

Date						
25 SEP 2006	9.4	679	99.0	8.5		4552.9
12 DEC 2006	9.1	679	95.6	8.3		4554.5
27 MAR 2007	9.0	680	92.7	8.2		4555.8
18 JUN 2007	9.1	680	91.9	8.4		4558.6

\* Values Exceed Upper Control Limit

MW90

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW101

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.6	778	124.6			

Date						
20 SEP 2006	9.5	664	89.1	8.3		4550.9
11 DEC 2006	9.6	663	93.2	8.5		4552.7
27 MAR 2007	9.5	670	92.3	8.3		4554.7
05 JUN 2007	9.9	678	96.4	8.3		4556.7

\* Values Exceed Upper Control Limit

MW101

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW102

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.6	778	124.6			

Date

20 SEP 2006	9.5	668	88.8	8.3		4547.2
11 DEC 2006	9.4	668	93.2	8.4		4548.9
27 MAR 2007	9.4	674	91.5	8.3		4550.7
05 JUN 2007	9.9	677	94.6	8.3		4553.2

\* Values Exceed Upper Control Limit

MW102

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW103

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.6	778	124.6			

Date						
20 SEP 2006	8.9	664	94.2	8.4		4547.5
11 DEC 2006	9.5	662	92.7	8.5		4549.1
27 MAR 2007	9.4	663	90.8	8.4		4551.0
05 JUN 2007	9.9	670	92.4	8.3		4554.2

\* Values Exceed Upper Control Limit

MW103

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW104

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.6	778	124.6			

Date						
20 SEP 2006	9.5	691	89.0	8.3		4543.6
11 DEC 2006	9.0	691	92.8	8.6		4544.9
27 MAR 2007	8.9	698	91.6	8.4		4548.3
18 JUN 2007	8.8	697	90.3	8.6		4548.4

\* Values Exceed Upper Control Limit

MW104

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW105

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.6	778	124.6			

Date						
26 SEP 2006	9.4	677	92.9	8.6		4541.5
11 DEC 2006	9.4	676	94.6	8.4		4542.8
27 MAR 2007	9.4	682	92.6	8.3		4544.9
18 JUN 2007	9.3	681	91.7	8.5		4546.2

\* Values Exceed Upper Control Limit

MW105

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW106

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.6	778	124.6			

Date

26 SEP 2006	9.3	667	96.2	8.6		4540.6
11 DEC 2006	9.5	667	93.0	8.4		4540.6
27 MAR 2007	9.5	676	91.7	8.3		4542.5
18 JUN 2007	9.3	671	89.1	8.4		4543.8

\* Values Exceed Upper Control Limit

MW106

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW107

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.6	778	124.6			

Date						
26 SEP 2006	10.5	655	98.1	8.5		4541.8
11 DEC 2006	9.7	655	92.0	8.4		4542.6
27 MAR 2007	9.8	662	90.4	8.3		4544.3
18 JUN 2007	9.6	661	89.7	8.4		4545.5

\* Values Exceed Upper Control Limit

MW107

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 2  
Well I.D. MW108

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.6	778	124.6			

Date

25 SEP 2006	10.6	657	106.1	8.2		4541.3
11 DEC 2006	10.1	665	99.5	8.5		4542.8
27 MAR 2007	16.9 *	697	104.3	8.2		4544.9
05 JUN 2007	15.8 *	704	107.3	8.3		4546.9

\* Values Exceed Upper Control Limit

MW108

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW109

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.6	778	124.6			

Date						
25 SEP 2006	9.9	732	86.8	8.0		4541.6
11 DEC 2006	10.1	719	86.6	8.4		4543.1
27 MAR 2007	10.0	718	86.5	8.2		4545.9
05 JUN 2007	10.2	713	87.4	8.3		4547.9

\* Values Exceed Upper Control Limit

MW109

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW110

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.6	778	124.6			

Date						
25 SEP 2006	10.2	654	96.2	8.3		4543.8
11 DEC 2006	9.8	657	91.9	8.5		4545.4
27 MAR 2007	9.8	659	91.6	8.4		4547.3
05 JUN 2007	9.6	670	93.6	8.4		4549.2

\* Values Exceed Upper Control Limit

MW110

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW111

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.6	778	124.6			

Date

25 SEP 2006	11.1	651	103.0	7.7		4545.7
11 DEC 2006	9.9	652	92.1	8.5		4547.4
27 MAR 2007	9.8	653	90.8	8.4		4549.5
05 JUN 2007	9.9	665	92.7	8.4		4551.5

\* Values Exceed Upper Control Limit

MW111

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW114

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
25 JUL 2006	11.1	666	110.6	8.5		4555.1
17 OCT 2006	9.3	667	96.4	8.5		4556.8
16 JAN 2007	9.5	671	94.6	8.5		4559.2
11 APR 2007	9.8	667	92.5	8.6		4562.3

\* Values Exceed Upper Control Limit

MW114

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW115

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
25 JUL 2006	10.0	669	111.6	8.5		4552.3
17 OCT 2006	9.0	670	100.6	8.5		4554.0
16 JAN 2007	9.1	673	99.2	8.4		4556.6
11 APR 2007	9.3	671	96.1	8.5		4559.3

\* Values Exceed Upper Control Limit

MW115

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW116

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.4	777	129.7			

Date						
25 JUL 2006	10.9	670	109.5	8.6		4552.1
17 OCT 2006	9.1	667	94.1	8.7		4553.9
16 JAN 2007	9.4	669	98.5	8.6		4556.4
09 APR 2007	8.7	668	98.6	8.4		4559.2

\* Values Exceed Upper Control Limit

MW116

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-1

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date						
12 SEP 2006	37.8	*	765	107.1	8.5	4575.0
05 DEC 2006	39.2	*	785	108.5	8.3	4576.6
20 MAR 2007	40.3	*	815	114.8	8.3	4575.4
04 JUN 2007	40.0	*	824	114.5	8.2	4582.4

\* Values Exceed Upper Control Limit

4MW-1

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 4  
Well I.D. 4MW-2

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date

12 SEP 2006	9.1	663	98.2	8.6		4576.9
05 DEC 2006	9.0	663	96.9	8.4		4579.9
20 MAR 2007	8.9	664	97.7	8.5		4578.9
04 JUN 2007	9.7	664	91.2	8.7		4581.9

\* Values Exceed Upper Control Limit

4MW-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-3

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date

12 SEP 2006	10.7	664	97.9	8.8		4573.6
05 DEC 2006	10.9	664	92.9	8.6		4576.2
20 MAR 2007	10.5	666	92.8	8.7		4576.0
04 JUN 2007	9.7	667	85.7	8.6		4578.0

\* Values Exceed Upper Control Limit

4MW-3

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-4

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date						
12 SEP 2006	9.0	673	103.2	8.5		4579.8
05 DEC 2006	9.2	672	103.5	8.3		4582.5
20 MAR 2007	8.9	673	101.9	8.4		4581.5
04 JUN 2007	8.0	673	100.9	8.3		4580.6

\* Values Exceed Upper Control Limit

4MW-4

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-5

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date						
12 SEP 2006	9.6	668	100.8	8.6		4575.4
05 DEC 2006	9.2	668	94.9	8.4		4577.6
20 MAR 2007	9.2	668	96.0	8.5		4516.6
04 JUN 2007	8.8	670	89.9	8.4		4518.9

\* Values Exceed Upper Control Limit

4MW-5

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-6

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date						
12 SEP 2006	8.6	668	96.1	8.6		4582.1
05 DEC 2006	9.2	669	100.4	8.4		4585.0
20 MAR 2007	8.9	670	98.9	8.5		4582.0
04 JUN 2007	8.4	672	92.9	8.5		4584.2

\* Values Exceed Upper Control Limit

4MW-6

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-7

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date

12 SEP 2006	9.3	652	90.7	8.8		4576.6
05 DEC 2006	9.5	656	92.0	8.6		4579.3
20 MAR 2007	8.9	660	88.0	8.7		4583.4
05 JUN 2007	9.6	654	83.8	8.6		4585.2

\* Values Exceed Upper Control Limit

4MW-7

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-8

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date

12 SEP 2006	9.3	672	105.8	8.5		4581.3
05 DEC 2006	9.2	673	102.6	8.3		4584.3
20 MAR 2007	8.9	674	100.7	8.5		4582.4
04 JUN 2007	8.5	674	94.8	8.4		4584.4

\* Values Exceed Upper Control Limit

4MW-8.

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-9

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date

12 SEP 2006	9.5	666	98.2	8.3		4577.3
05 DEC 2006	9.5	665	97.0	8.2		4579.9
20 MAR 2007	8.6	667	96.0	8.4		4584.1
05 JUN 2007	8.2	665	91.2	8.2		4585.9

\* Values Exceed Upper Control Limit

4MW-9

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 4  
Well I.D. 4MW-10

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date

12 SEP 2006	9.4	667	99.8	8.6		4581.9
05 DEC 2006	9.2	669	98.3	8.3		4585.1
20 MAR 2007	8.9	669	96.7	8.5		4582.2
04 JUN 2007	8.6	665	90.2	8.5		4586.6

\* Values Exceed Upper Control Limit

4MW-10

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-11

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date						
12 SEP 2006	9.3	659	91.5	8.5		4578.6
05 DEC 2006	9.5	661	92.8	8.3		4581.4
20 MAR 2007	9.2	663	92.7	8.5		4585.6
05 JUN 2007	8.8	664	85.1	8.2		4587.4

\* Values Exceed Upper Control Limit

4MW-11

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-12

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date						
12 SEP 2006	9.1	668	98.0	8.8		4583.5
05 DEC 2006	9.2	669	95.6	8.6		4586.7
20 MAR 2007	9.1	672	97.3	8.7		4591.5
04 JUN 2007	9.3	671	90.5	8.7		4593.5

\* Values Exceed Upper Control Limit

4MW-12

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-13

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date						
19 SEP 2006	9.7	656	100.2	8.5		4579.1
05 DEC 2006	9.6	665	95.3	8.2		4581.9
20 MAR 2007	9.2	666	94.4	8.4		4586.4
05 JUN 2007	9.3	664	85.6	8.2		4588.1

\* Values Exceed Upper Control Limit

4MW-13

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-14

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date						
12 SEP 2006	9.0	667	102.6	8.4		4584.8
05 DEC 2006	9.3	668	103.1	8.1		4588.2
20 MAR 2007	8.9	669	101.3	8.3		4593.0
04 JUN 2007	9.1	668	93.2	8.4		4595.0

\* Values Exceed Upper Control Limit

4MW-14

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-15

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date					
19 SEP 2006	9.9	670	104.9	8.5	4580.8
05 DEC 2006	9.7	672	99.4	8.1	4582.8
20 MAR 2007	9.3	675	98.9	8.3	4587.2
05 JUN 2007	9.1	671	90.5	8.2	4589.0

\* Values Exceed Upper Control Limit

4MW-15

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-16

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date						
12 SEP 2006	8.9	665	105.2	8.4		4586.0
05 DEC 2006	8.9	665	102.0	8.0		4589.3
20 MAR 2007	8.3	666	101.0	8.4		4594.3
04 JUN 2007	8.8	664	93.0	8.3		4596.2

\* Values Exceed Upper Control Limit

4MW-16

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-17

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date						
12 SEP 2006	9.2	666	99.1	8.6		4581.7
05 DEC 2006	9.3	665	98.2	8.5		4584.6
20 MAR 2007	9.0	670	97.1	8.5		4589.2
05 JUN 2007	9.0	671	89.8	8.3		4591.0

\* Values Exceed Upper Control Limit

4MW-17

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 4  
Well I.D. 4MW-18

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date						
12 SEP 2006	9.4	674	104.1	8.5		4585.7
05 DEC 2006	9.4	675	101.8	8.4		4589.1
20 MAR 2007	9.0	677	100.3	8.4		4593.9
04 JUN 2007	8.9	676	95.1	8.4		4595.9

\* Values Exceed Upper Control Limit

4MW-18

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-19

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date

12 SEP 2006	9.3	668	100.0	8.3		4581.5
05 DEC 2006	9.3	669	97.8	8.2		4584.4
20 MAR 2007	8.9	671	95.8	8.4		4589.0
05 JUN 2007	8.5	668	89.4	8.0		4590.9

\* Values Exceed Upper Control Limit

4MW-19

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-20

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date

12 SEP 2006	8.8	674	103.7	8.5		4587.8
05 DEC 2006	8.7	675	102.4	8.3		4590.8
20 MAR 2007	8.4	676	101.5	8.4		4596.0
04 JUN 2007	7.9	674	94.3	8.3		4597.9

\* Values Exceed Upper Control Limit

4MW-20

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-21

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date						
12 SEP 2006	9.3	665	97.0	8.4		4582.0
05 DEC 2006	9.3	665	95.4	8.3		4585.0
20 MAR 2007	9.2	667	96.1	8.2		4589.5
04 JUN 2007	8.8	662	88.5	8.2		4591.3

\* Values Exceed Upper Control Limit

4MW-21

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-22

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date					
12 SEP 2006	8.7	675	99.7	8.4	4587.1
05 DEC 2006	8.8	674	99.6	8.3	4590.3
20 MAR 2007	8.7	675	99.2	8.4	4595.5
04 JUN 2007	8.6	675	93.1	8.3	4597.4

\* Values Exceed Upper Control Limit

4MW-22

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-23

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date

12 SEP 2006	9.0	673	97.7	8.4		4583.6
05 DEC 2006	9.2	672	98.8	8.3		4586.5
20 MAR 2007	9.0	674	98.0	8.2		4583.9
04 JUN 2007	8.7	673	90.8	8.3		4587.0

\* Values Exceed Upper Control Limit

4MW-23

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-24

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date						
12 SEP 2006	9.1	671	93.0	8.4		4586.5
05 DEC 2006	9.2	669	98.0	8.3		4589.7
20 MAR 2007	8.8	672	96.9	8.2		4594.3
04 JUN 2007	8.5	670	91.2	8.4		4596.3

\* Values Exceed Upper Control Limit

4MW-24

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4MW-25

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	11.1	825	116.9			

Date						
12 SEP 2006	9.1	677	99.4	8.4		4585.1
05 DEC 2006	9.3	676	100.5	8.3		4588.0
20 MAR 2007	9.0	678	99.2	8.3		4584.4
04 JUN 2007	8.5	676	91.7	8.4		4587.4

\* Values Exceed Upper Control Limit

4MW-25

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 5  
Well I.D. 5MW1

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date

18 JUL 2006	10.8	757	109.9	8.2		4618.5
23 OCT 2006	8.5	774	99.2	8.1		4619.5
08 JAN 2007	8.0	760	100.0	8.1		4623.8
17 APR 2007	8.4	771	100.2	8.4		4628.7

\* Values Exceed Upper Control Limit

5MW1

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW2

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date					
19 JUL 2006	9.9	899	107.2	8.2	4614.0
23 OCT 2006	9.2	985	99.0	8.1	4614.8
03 JAN 2007	9.6	933	94.9	8.0	4619.0
17 APR 2007	9.7	860	94.6	8.3	4612.1

\* Values Exceed Upper Control Limit

5MW2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW3

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date					
20 JUL 2006	8.5	748	114.0	8.1	4619.0
23 OCT 2006	7.6	754	99.0	8.1	4619.8
08 JAN 2007	7.6	760	96.5	8.2	4623.9
17 APR 2007	8.2	767	99.2	8.3	4628.8

\* Values Exceed Upper Control Limit

5MW3

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW4

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
31 JUL 2006	10.9	1011	*	127.7	7.8	4598.7
23 OCT 2006	9.5	1014	*	110.1	8.1	4616.8
03 JAN 2007	9.2	1057	*	111.5	7.9	4621.0
17 APR 2007	9.3	923		107.5	8.3	4618.0

\* Values Exceed Upper Control Limit

5MW4

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW5

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
18 JUL 2006	7.2	891	91.9	8.4		4617.6
26 OCT 2006	7.4	906	93.8	8.1		4618.4
08 JAN 2007	6.6	903	88.4	8.2		4622.2
18 APR 2007	6.7	894	88.7	8.2		4627.2

\* Values Exceed Upper Control Limit

5MW5

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW6

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
19 JUL 2006	10.1	920	123.8	8.1		4616.1
23 OCT 2006	9.0	832	108.1	8.2		4616.9
03 JAN 2007	9.2	892	107.4	8.0		4621.0
17 APR 2007	9.2	924	109.0	8.3		4626.1

\* Values Exceed Upper Control Limit

5MW6

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW7

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
18 JUL 2006	7.9	893	97.7	8.4		4615.5
23 OCT 2006	7.9	900	90.0	8.2		4616.4
08 JAN 2007	6.7	892	89.7	8.3		4620.2
18 APR 2007	6.8	880	89.2	8.3		4625.0

\* Values Exceed Upper Control Limit

5MW7

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW8

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	23	1423	122.5			

Date						
31 JUL 2006	16.7	918	191.1	*	7.7	4604.2
23 OCT 2006	15.7	945	172.8	*	7.9	4616.9
03 JAN 2007	22.2	1156	237.6	*	7.6	4620.9
17 APR 2007	21.2	1196	194.1	*	7.9	4625.9

\* Values Exceed Upper Control Limit

5MW8

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 5  
Well I.D. 5MW10

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date

19 JUL 2006	10.6	762	138.6	8.2	4616.3
23 OCT 2006	9.1	733	110.9	8.1	4617.1
03 JAN 2007	10.2	784	123.6	8.0	4621.0
17 APR 2007	11.0	799	127.1	8.2	4626.1

\* Values Exceed Upper Control Limit

5MW10

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW12

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.8	1725	145.4			

Date					
19 JUL 2006	9.2	873	130.2	8.0	4611.6
23 OCT 2006	8.0	859	115.4	8.0	4612.5
08 JAN 2007	8.4	889	117.7	8.1	4616.4
17 APR 2007	8.7	880	119.9	8.1	4621.4

\* Values Exceed Upper Control Limit

5MW12

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW14

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
19 JUL 2006	9.3	689	122.0	8.4		4611.4
23 OCT 2006	8.0	689	103.8	8.3		4612.7
08 JAN 2007	8.2	693	104.8	8.3		4616.6
17 APR 2007	8.3	693	102.0	8.3		4621.5

\* Values Exceed Upper Control Limit

5MW14

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW16

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date					
19 JUL 2006	8.2	755	111.5	8.3	4611.1
23 OCT 2006	7.5	758	99.1	8.2	4612.6
08 JAN 2007	7.7	761	100.2	8.3	4616.5
17 APR 2007	7.7	760	98.2	8.1	4621.4

\* Values Exceed Upper Control Limit

5MW16

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW18

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
19 JUL 2006	7.8	854	108.9	8.2		4609.5
23 OCT 2006	6.9	889	94.2	8.2		4610.4
08 JAN 2007	6.8	870	92.0	8.2		4614.3
17 APR 2007	7.0	862	90.5	8.0		4619.2

\* Values Exceed Upper Control Limit

5MW18

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW20

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
20 JUL 2006	7.8	862	109.3	8.3		4613.0
23 OCT 2006	6.5	908	88.5	8.0		4614.2
08 JAN 2007	6.7	889	91.2	8.2		4617.1
18 APR 2007	6.8	893	89.9	8.3		4622.8

\* Values Exceed Upper Control Limit

5MW20

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW30A

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
19 JUL 2006	8.7	664	117.9	8.6		4603.5
30 OCT 2006	9.7	663	110.3	8.4		4604.2
09 JAN 2007	7.8	667	105.2	8.5		4608.3
23 APR 2007	8.1	669	102.9	8.5		4613.7

\* Values Exceed Upper Control Limit

5MW30A

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW31

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
19 JUL 2006	8.6	663	114.5	8.4		4603.6
30 OCT 2006	8.9	662	108.3	8.4		4604.2
09 JAN 2007	7.9	666	102.3	8.4		4608.2
23 APR 2007	8.2	667	100.6	8.4		4613.4

\* Values Exceed Upper Control Limit

5MW31

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 5  
Well I.D. 5MW32A

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date					
19 JUL 2006	8.6	671	118.4	8.5	4603.4
23 OCT 2006	8.4	667	108.2	8.3	4604.1
09 JAN 2007	8.1	670	106.8	8.2	4607.7
23 APR 2007	8.2	671	104.3	8.4	4613.5

\* Values Exceed Upper Control Limit

5MW32A

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW33

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
19 JUL 2006	8.9	664	113.9	8.4		4604.1
30 OCT 2006	9.1	665	107.5	8.4		4604.9
09 JAN 2007	8.2	667	102.2	8.4		4608.9
23 APR 2007	8.4	667	100.0	8.4		4614.1

\* Values Exceed Upper Control Limit

5MW33

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW34

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
19 JUL 2006	8.9	669	123.6	8.4		4604.3
23 OCT 2006	8.0	670	109.0	8.3		4604.9
09 JAN 2007	8.2	671	109.5	8.4		4609.3
23 APR 2007	7.9	672	101.6	8.4		4614.5

\* Values Exceed Upper Control Limit

5MW34

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW35A

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
18 JUL 2006	8.9	667	115.8	8.6		4604.4
30 OCT 2006	9.6	664	112.1	8.4		4605.9
09 JAN 2007	7.9	667	102.3	8.5		4608.0
23 APR 2007	8.9	668	107.0	8.5		4615.2

\* Values Exceed Upper Control Limit

5MW35A

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW36

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
19 JUL 2006	8.5	672	119.5	8.4		4605.3
23 OCT 2006	7.6	674	109.2	8.4		4606.1
09 JAN 2007	7.9	674	107.6	8.4		4610.4
23 APR 2007	8.1	675	105.0	8.3		4615.7

\* Values Exceed Upper Control Limit

5MW36

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW37

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date					
18 JUL 2006	8.5	660	116.9	8.5	4605.9
30 OCT 2006	8.7	659	109.8	8.4	4607.3
09 JAN 2007	8.1	658	106.4	8.5	4611.3
23 APR 2007	8.8	660	109.9	8.5	4616.6

\* Values Exceed Upper Control Limit

5MW37

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW38

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
19 JUL 2006	8.8	686	131.1	8.3		4606.0
23 OCT 2006	8.3	688	124.5	8.3		4606.8
09 JAN 2007	8.1	690	118.1	8.3		4611.4
23 APR 2007	8.3	693	117.6	8.3		4616.6

\* Values Exceed Upper Control Limit.

5MW38

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW39A

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date					
18 JUL 2006	8.5	683	118.4	8.4	4608.4
30 OCT 2006	8.7	679	111.1	8.3	4609.2
08 JAN 2007	8.0	682	106.1	8.3	4613.4
23 APR 2007	8.6	681	108.9	8.3	4618.8

\* Values Exceed Upper Control Limit

5MW39A

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 5  
Well I.D. 5MW40

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
19 JUL 2006	9.1	668	122.2	8.4		4606.0
23 OCT 2006	8.5	670	109.5	8.3		4607.6
09 JAN 2007	8.2	672	108.7	8.4		4612.2
23 APR 2007	8.3	674	104.6	8.4		4617.5

\* Values Exceed Upper Control Limit

5MW40

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW41A

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
18 JUL 2006	8.7	669	116.9	8.4		4609.4
30 OCT 2006	9.0	668	110.5	8.3		4610.3
08 JAN 2007	8.1	669	105.3	8.3		4614.6
23 APR 2007	8.2	668	101.9	8.3		4619.8

\* Values Exceed Upper Control Limit

5MW41A

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW42

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
19 JUL 2006	8.7	673	122.2	8.3		4608.3
30 OCT 2006	8.9	675	114.5	8.4		4609.3
09 JAN 2007	8.1	675	109.7	8.4		4613.8
23 APR 2007	8.4	676	107.0	8.3		4618.7

\* Values Exceed Upper Control Limit

5MW42

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW43

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
18 JUL 2006	8.5	675	120.6	8.5		4611.1
30 OCT 2006	8.6	673	111.0	8.4		4611.8
08 JAN 2007	7.8	674	107.8	8.3		4616.2
23 APR 2007	8.4	675	109.4	8.4		4621.4

\* Values Exceed Upper Control Limit

5MW43

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW44

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
19 JUL 2006	9.2	669	126.1	8.5		4608.5
30 OCT 2006	8.9	672	111.5	8.4		4609.5
09 JAN 2007	8.2	671	108.6	8.5		4614.2
23 APR 2007	8.0	674	104.6	8.4		4619.5

\* Values Exceed Upper Control Limit

5MW44

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW45

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
18 JUL 2006	8.3	677	124.6	8.3		4612.6
30 OCT 2006	8.1	670	113.8	8.3		4613.6
08 JAN 2007	7.6	677	110.5	8.3		4617.8
23 APR 2007	7.9	677	107.0	8.3		4623.3

\* Values Exceed Upper Control Limit

5MW45

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW46

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date					
19 JUL 2006	8.8	676	127.0	8.4	4610.0
30 OCT 2006	8.6	676	115.3	8.4	4611.0
03 JAN 2007	7.9	680	111.4	8.2	4615.8
18 APR 2007	8.1	683	108.3	8.4	4621.2

\* Values Exceed Upper Control Limit

5MW46

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW47B

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	$\mu$ mho/cm	mg/l as $\text{CaCO}_3$		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
18 JUL 2006	8.6	680	130.4	8.3		4615.3
30 OCT 2006	8.5	678	116.6	8.3		4616.5
08 JAN 2007	7.8	680	111.8	8.3		4620.9
23 APR 2007	7.8	681	108.3	8.3		4626.1

\* Values Exceed Upper Control Limit

5MW47B

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 5  
Well I.D. 5MW48

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
31 JUL 2006	21.5	710	173.6	*	8.2	4592.2
07 NOV 2006	17.1	645	189.2	*	8.2	4597.2
03 JAN 2007	21.4	749	145.3	*	8.1	4616.5
23 APR 2007	23.6 *	778	136.7	*	8.1	4621.9
25 APR 2007	23.7 *	780	134.7	*	8.2	4621.9
03 MAY 2007	23.7 *	754	140.7	*	8.2	4614.0
10 MAY 2007	20.9	731	140.4	*	8.3	4611.7
16 MAY 2007	19.1	694	151.4	*	8.1	4611.9
23 MAY 2007	17.5	672	160.4	*	8.1	4606.1

\* Values Exceed Upper Control Limit

5MW48

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW49

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
18 JUL 2006	8.3	681	124.0	8.3		4615.5
30 OCT 2006	8.4	680	116.6	8.2		4617.0
08 JAN 2007	7.7	681	111.5	8.3		4621.6
23 APR 2007	7.9	681	108.9	8.4		4626.9

\* Values Exceed Upper Control Limit

5MW49

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW50

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
19 JUL 2006	9.0	677	124.1	8.3		4609.5
26 OCT 2006	9.7	675	120.8	8.4		4610.3
03 JAN 2007	8.2	676	109.5	8.2		4614.9
18 APR 2007	8.3	681	107.6	8.4		4620.5

\* Values Exceed Upper Control Limit

5MW50

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW51

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
18 JUL 2006	8.4	682	127.3	8.3		4618.2
26 OCT 2006	8.7	673	119.5	8.4		4618.8
08 JAN 2007	7.7	681	111.8	8.2		4623.4
23 APR 2007	7.7	682	107.9	8.3		4628.8

\* Values Exceed Upper Control Limit

5MW51

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW52

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date					
19 JUL 2006	9.4	687	128.4	8.3	4611.6
26 OCT 2006	9.4	690	119.1	8.4	4611.5
03 JAN 2007	8.4	691	113.4	8.2	4616.2
18 APR 2007	8.7	695	111.8	8.3	4621.8

\* Values Exceed Upper Control Limit

5MW52

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW53

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
18 JUL 2006	8.2	684	123.6	8.3		4618.7
26 OCT 2006	8.6	683	116.5	8.3		4619.0
08 JAN 2007	7.9	684	112.4	8.3		4629.2
18 APR 2007	7.8	685	109.4	8.2		4629.1

\* Values Exceed Upper Control Limit

5MW53

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW54

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
31 JUL 2006	11.2	712	141.7	*	8.1	4575.6
26 OCT 2006	13.4	753	147.7	*	8.3	4612.3
03 JAN 2007	11.7	750	140.0	*	8.0	4617.2
18 APR 2007	12.5	756	140.3	*	8.2	4622.5

\* Values Exceed Upper Control Limit

5MW54

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW55

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date					
18 JUL 2006	9.1	685	127.3	8.3	4615.7
26 OCT 2006	9.0	681	115.4	8.4	4617.9
08 JAN 2007	8.2	681	110.8	8.3	4622.6
18 APR 2007	8.1	686	106.7	8.2	4627.9

\* Values Exceed Upper Control Limit

5MW55

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 5  
Well I.D. 5MW56

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date					
31 JUL 2006	11.0	709	132.2	8.2	4577.6
26 OCT 2006	10.7	702	122.6	8.4	4612.9
03 JAN 2007	9.4	705	117.7	8.2	4617.9
18 APR 2007	9.3	702	112.3	8.3	4623.1

\* Values Exceed Upper Control Limit

5MW56

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW57

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
18 JUL 2006	9.1	688	129.4	8.3		4616.3
26 OCT 2006	9.0	687	115.9	8.3		4617.7
08 JAN 2007	8.2	688	111.8	8.3		4622.3
18 APR 2007	8.1	691	109.7	8.3		4627.6

\* Values Exceed Upper Control Limit

5MW57

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW58

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date

19 JUL 2006	9.0	691	123.2	8.4		4612.3
23 OCT 2006	8.3	694	112.8	8.2		4613.1
03 JAN 2007	8.4	696	111.4	8.3		4617.9
16 APR 2007	9.9	696	115.4	8.4		4623.1

\* Values Exceed Upper Control Limit

5MW58

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW59

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date

18 JUL 2006	8.8	687	123.4	8.3		4614.4
26 OCT 2006	9.2	684	115.5	8.4		4615.5
08 JAN 2007	8.3	685	111.3	8.4		4620.2
18 APR 2007	8.3	688	108.9	8.3		4625.8

\* Values Exceed Upper Control Limit

5MW59

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW60

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	23.7	779	191.3			

Date						
31 JUL 2006	11.8	522	269.5	*	8.3	4581.5
30 OCT 2006	11.9	905	167.1	*	8.2	4613.0
03 JAN 2007	10.9	928	165.5	*	8.0	4617.8
16 APR 2007	11.4	949	166.6	*	8.0	4623.0

\* Values Exceed Upper Control Limit

5MW60

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW61

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date					
18 JUL 2006	8.9	686	124.1	8.2	4617.0
26 OCT 2006	9.3	685	118.1	8.3	4617.8
08 JAN 2007	8.5	687	114.4	8.2	4622.6
18 APR 2007	8.3	688	108.9	8.2	4623.3

\* Values Exceed Upper Control Limit

5MW61

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW62

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
19 JUL 2006	10.9	753	140.6	8.2		4611.9
23 OCT 2006	9.0	736	122.9	8.2		4612.5
03 JAN 2007	9.5	753	121.8	8.1		4617.3
16 APR 2007	9.9	749	122.4	8.1		4622.7

\* Values Exceed Upper Control Limit

5MW62

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW63

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
19 JUL 2006	9.6	680	122.9	8.2		4616.4
23 OCT 2006	8.4	680	110.9	8.2		4617.4
08 JAN 2007	8.4	683	110.3	8.3		4621.9
16 APR 2007	8.4	686	110.0	8.2		4627.2

\* Values Exceed Upper Control Limit

5MW63

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 5  
Well I.D. 5MW64

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
19 JUL 2006	9.8	732	129.6	8.3		4613.2
23 OCT 2006	8.7	743	114.4	8.2		4613.9
03 JAN 2007	8.4	747	112.0	8.2		4618.3
17 APR 2007	8.4	746	108.9	8.1		4623.7

\* Values Exceed Upper Control Limit

5MW64

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW65

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	24.9	734	128.1			

Date						
19 JUL 2006	10.9	692	128.8	8.2		4617.3
23 OCT 2006	8.9	695	111.1	8.1		4618.3
08 JAN 2007	9.4	695	111.1	8.2		4622.6
17 APR 2007	9.4	701	108.3	8.0		4626.9

\* Values Exceed Upper Control Limit

5MW65

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW66

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
19 JUL 2006	27.5 *	1086 *	183.6 *	8.0		4614.3
23 OCT 2006	30.3 *	1242 *	275.2 *	7.9		4615.1
03 JAN 2007	33.9 *	1256 *	284.4 *	7.8		4619.5
17 APR 2007	41.8 *	1521 *	389.6 *	7.6		4624.7

\* Values Exceed Upper Control Limit

5MW66

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW67

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date					
19 JUL 2006	7.7	826	102.2	8.1	4618.4
23 OCT 2006	6.9	834	91.8	8.0	4619.2
08 JAN 2007	7.4	837	94.5	8.2	4623.2
17 APR 2007	7.0	842	101.0	7.9	4628.7

\* Values Exceed Upper Control Limit

5MW67

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5MW69

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.7	1004	134.3			

Date						
18 JUL 2006	8.0	847	97.4	8.6		4618.6
23 OCT 2006	8.0	733	99.8	8.4		4619.4
08 JAN 2007	7.7	773	94.9	8.4		4623.6
17 APR 2007	7.3	817	104.1	8.3		4628.7

\* Values Exceed Upper Control Limit

5MW69

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW17-2

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
16 AUG 2006	5.2	1297	77.8	8.0		4573.5
06 NOV 2006	5.5	1296	66.6	8.1		4575.5
13 FEB 2007	4.9	1303	67.9	8.0		4579.1
15 MAY 2007	5.6	1308	67.5	8.0		4582.5

\* Values Exceed Upper Control Limit

6MW17-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW19

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date

16 AUG 2006	5.4	1302	83.9	8.0	4618.6
06 NOV 2006	5.3	1301	70.6	8.0	4620.6
13 FEB 2007	4.9	1306	70.9	8.0	4624.1
16 MAY 2007	5.7	1310	69.7	8.0	4626.6

\* Values Exceed Upper Control Limit

6MW19

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW21

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
16 AUG 2006	5.8	1175	84.9	8.1		4616.5
06 NOV 2006	5.9	1169	75.6	8.1		4618.7
13 FEB 2007	5.1	1177	75.0	8.0		4622.1
16 MAY 2007	5.9	1179	73.7	8.1		4625.7

\* Values Exceed Upper Control Limit

6MW21

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 6  
Well I.D. 6MW23

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
16 AUG 2006	5.2	1245	78.2	8.2		4614.2
06 NOV 2006	5.4	1241	71.3	8.3		4616.1
13 FEB 2007	4.9	1247	69.6	8.2		4619.7
16 MAY 2007	5.7	1251	69.3	8.3		4623.2

\* Values Exceed Upper Control Limit

6MW23

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW25

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date

10 AUG 2006	6.0	1243	83.3	8.0		4612.1
06 NOV 2006	6.3	1242	72.2	8.1		4614.1
13 FEB 2007	5.1	1251	71.1	8.1		4617.2
15 MAY 2007	5.9	1252	69.9	8.4		4621.1

\* Values Exceed Upper Control Limit

6MW25

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW27

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
10 AUG 2006	6.6	1221	94.6	8.1		4611.3
06 NOV 2006	6.3	1215	90.0	8.2		4613.4
13 FEB 2007	6.3	1233	92.6	8.1		4617.0
15 MAY 2007	6.9	1338	93.2	8.2		4620.4

\* Values Exceed Upper Control Limit

6MW27

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW29

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
10 AUG 2006	5.7	1268	79.6	8.3		4609.7
15 NOV 2006	5.2	1272	70.3	8.4		4611.8
13 FEB 2007	5.3	1278	71.1	8.4		4615.2
08 MAY 2007	5.7	1291	74.4	8.5		4618.5

\* Values Exceed Upper Control Limit

6MW29

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW31

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
30 AUG 2006	14.2	1404	126.7	*	7.6	4610.1
06 NOV 2006	14.3	1434	127.7	*	7.9	4612.2
20 FEB 2007	13.8	1455	126.7	*	8.0	4615.8
09 MAY 2007	13.0	1456	128.8	*	7.5	4619.0

\* Values Exceed Upper Control Limit

6MW31

\* Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW33

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date					
10 AUG 2006	5.6	1275	79.3	7.8	4606.4
06 NOV 2006	5.3	1266	72.2	7.9	4608.6
20 FEB 2007	5.0	1274	73.4	8.1	4612.0
08 MAY 2007	4.7	1281	71.7	8.0	4615.4

\* Values Exceed Upper Control Limit

6MW33

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW34

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
16 AUG 2006	5.0	1333	74.9	8.0		4621.1
06 NOV 2006	5.0	1331	67.5	8.0		4623.2
13 FEB 2007	4.6	1339	66.4	8.0		4625.2
15 MAY 2007	5.4	1342	65.7	8.1		4628.6

\* Values Exceed Upper Control Limit

6MW34

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW35

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
09 AUG 2006	5.3	1270	84.0	7.7		4604.5
06 NOV 2006	4.8	1262	73.5	7.7		4606.9
20 FEB 2007	4.9	1274	71.9	7.8		4610.1
08 MAY 2007	4.7	1279	71.2	8.0		4613.5

\* Values Exceed Upper Control Limit

6MW35

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 6  
Well I.D. 6MW36

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
16 AUG 2006	6.0	1175	80.7	8.0		4618.9
06 NOV 2006	6.3	1174	73.8	8.1		4620.9
07 FEB 2007	5.9	1189	75.7	7.9		4624.4
16 MAY 2007	6.7	1207	70.6	8.1		4627.7

\* Values Exceed Upper Control Limit

6MW36

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW37

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
09 AUG 2006	5.3	1262	81.1	8.0		4602.4
06 NOV 2006	5.5	1257	71.2	7.8		4604.8
20 FEB 2007	5.0	1267	71.5	7.9		4608.0
08 MAY 2007	4.8	1271	70.9	8.0		4611.5

\* Values Exceed Upper Control Limit

6MW37

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW38

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
10 AUG 2006	5.2	1322	82.4	7.8		4617.5
06 NOV 2006	4.9	1323	70.7	8.0		4619.5
07 FEB 2007	4.6	1332	70.3	7.9		4623.0
16 MAY 2007	5.6	1335	68.6	7.9		4627.4

\* Values Exceed Upper Control Limit

6MW38

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW39

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
09 AUG 2006	5.6	1244	67.1	8.1		4599.2
06 NOV 2006	5.8	1242	68.2	8.2		4601.0
07 FEB 2007	5.0	1260	69.0	8.2		4604.7
08 MAY 2007	4.8	1262	65.8	8.0		4608.1

\* Values Exceed Upper Control Limit

6MW39

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW40

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
10 AUG 2006	5.3	1333	77.4	7.9		4614.8
06 NOV 2006	5.5	1334	68.1	8.0		4616.8
07 FEB 2007	5.0	1343	68.7	7.8		4620.2
16 MAY 2007	6.6	1347	66.5	8.1		4623.6

\* Values Exceed Upper Control Limit

6MW40

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW41

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
09 AUG 2006	6.7	1262	94.6		8.0	4598.3
06 NOV 2006	7.4	1224	124.1	*	8.0	4600.2
07 FEB 2007	6.0	1195	120.2	*	8.0	4603.5
08 MAY 2007	5.7	1146	131.8	*	8.0	4606.9

\* Values Exceed Upper Control Limit

6MW41

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW42

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date

16 AUG 2006	5.4	1324	80.3	7.9		4613.7
06 NOV 2006	5.5	1328	68.1	7.9		4615.7
20 FEB 2007	4.9	1338	67.8	8.1		4619.1
09 MAY 2007	4.6	1338	65.5	7.7		4622.3

\* Values Exceed Upper Control Limit

6MW42

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW43

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
16 AUG 2006	6.2	1273	86.2	7.9		4597.2
06 NOV 2006	5.8	1280	81.2	8.0		4608.2
07 FEB 2007	6.7	1296	88.2	7.9		4602.4
08 MAY 2007	7.6	1328	96.9	8.0		4605.9

\* Values Exceed Upper Control Limit

6MW43

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 6  
Well I.D. 6MW44

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date					
10 AUG 2006	5.6	1317	78.4	7.9	4612.2
06 NOV 2006	5.7	1325	71.8	8.0	4614.6
07 FEB 2007	5.0	1341	72.5	7.8	4617.4
08 MAY 2007	5.3	1344	76.8	8.0	4622.8

\* Values Exceed Upper Control Limit

6MW44

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW45

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
09 AUG 2006	5.7	1270	84.6	7.7		4595.1
06 NOV 2006	5.6	1268	75.2	7.8		4597.1
07 FEB 2007	6.1	1277	75.8	7.8		4600.5
08 MAY 2007	6.3	1290	77.7	8.0		4604.1

\* Values Exceed Upper Control Limit

6MW45

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW46

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20.6	2427	89.2			

Date						
16 AUG 2006	7.7	1425	118.4	*	8.1	4610.3
06 NOV 2006	7.0	1430	111.3	*	7.9	4612.5
07 FEB 2007	7.1	1441	114.7	*	7.9	4615.5
08 MAY 2007	7.0	1450	117.4	*	8.0	4618.9

\* Values Exceed Upper Control Limit

6MW46

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW47

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date

09 AUG 2006	5.6	1262	79.5	7.9		4595.7
06 NOV 2006	5.2	1270	73.4	8.0		4597.8
07 FEB 2007	5.1	1279	75.3	7.9		4601.4
08 MAY 2007	4.9	1285	76.6	8.0		4604.9

\* Values Exceed Upper Control Limit

6MW47

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW48-3

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
30 AUG 2006	5.8	1335	67.5	7.6		4611.2
06 NOV 2006	5.4	1336	67.2	8.0		4598.6
07 FEB 2007	5.2	1345	66.7	7.8		4616.6
08 MAY 2007	5.2	1350	66.5	8.0		4619.8

\* Values Exceed Upper Control Limit

6MW48-3

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW49

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
09 AUG 2006	5.9	1270	86.9	7.9		4596.6
06 NOV 2006	5.2	1268	73.2	7.7		4598.6
07 FEB 2007	5.1	1275	74.6	7.8		4602.2
08 MAY 2007	4.9	1287	74.1	8.0		4605.6

\* Values Exceed Upper Control Limit

6MW49

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW50

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
30 AUG 2006	5.4	1315	70.9	7.6		4608.0
06 NOV 2006	5.0	1319	69.7	8.0		4610.0
07 FEB 2007	5.0	1325	69.8	7.8		4613.8
08 MAY 2007	4.7	1332	68.3	8.0		4616.8

\* Values Exceed Upper Control Limit

6MW50

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW51

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
09 AUG 2006	5.6	1269	82.5	7.8		4596.4
06 NOV 2006	5.2	1266	72.6	7.9		4598.8
07 FEB 2007	5.1	1271	71.0	7.8		4601.8
08 MAY 2007	4.9	1276	69.8	8.0		4605.2

\* Values Exceed Upper Control Limit

6MW51

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 6  
Well I.D. 6MW52

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
09 AUG 2006	6.6	1255	80.2	7.9		4603.2
06 NOV 2006	5.8	1251	71.7	8.0		4605.2
07 FEB 2007	5.6	1254	71.4	7.9		4608.2
08 MAY 2007	5.3	1258	70.1	8.0		4611.6

\* Values Exceed Upper Control Limit

6MW52

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW53

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
09 AUG 2006	6.8	1199	81.6	8.5		4594.8
06 NOV 2006	5.8	1197	68.4	8.4		4597.0
07 FEB 2007	6.8	1207	71.0	8.2		4600.2
08 MAY 2007	6.5	1211	69.0	8.4		4603.5

\* Values Exceed Upper Control Limit

6MW53

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6MW54

CHRISTENSEN RANCH  
PERIMETER ORE ZONE MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	20	1576	95.2			

Date						
09 AUG 2006	5.9	1259	80.3	7.9		4601.0
06 NOV 2006	5.7	1260	73.4	7.9		4603.0
07 FEB 2007	5.2	1267	69.4	8.0		4606.2
09 MAY 2007	5.0	1277	68.7	7.8		4609.6

\* Values Exceed Upper Control Limit

6MW54

Negative U3O8 Grades Indicate Less Than Detection Limit.

# **CHRISTENSEN PROJECT**

## **Interior Shallow Sand Monitor Wells**

Mine Unit 5  
Well I.D. MW-11S

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.1	2922	316.6			

Date						
20 JUL 2006	6.9	1300	109.1	8.0		4644.9
30 OCT 2006	6.7	1293	97.8	8.0		4645.1
10 JAN 2007	6.3	1298	95.7	8.1		4645.8
23 APR 2007	6.6	1304	92.7	7.9		4647.4

\* Values Exceed Upper Control Limit

MW-11S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW46S

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.5	1087	184.4			

Date						
31 JUL 2006	10.2	1182	*	154.7	8.0	4554.0
16 OCT 2006	9.2	1192	*	143.1	8.0	4554.3
24 JAN 2007	9.2	1177	*	141.2	7.9	4552.9
09 APR 2007	9.2	1176	*	137.4	8.6	4553.1

\* Values Exceed Upper Control Limit

MW46S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW48S

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.2	1775	268.3			

Date						
27 JUL 2006	10.1	1833	*	143.5	7.6	4556.0
16 OCT 2006	9.0	1814	*	127.5	7.8	4554.8
24 JAN 2007	9.1	1818	*	125.1	7.8	4554.8
11 APR 2007	9.3	1812	*	123.4	7.8	4555.4

\* Values Exceed Upper Control Limit

MW48S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW50S

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.2	1775	268.3			

Date						
27 JUL 2006	10.0	1304	182.6	8.0		4557.0
16 OCT 2006	8.1	1316	156.4	7.7		4557.2
16 JAN 2007	8.6	1322	154.5	7.9		4557.2
11 APR 2007	9.1	1305	151.4	8.0		4558.0

\* Values Exceed Upper Control Limit

MW50S

Negative U308 Grades Indicate Less Than Detection Limit.



Mine Unit 3  
Well I.D. MW52S

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.2	1775	268.3			

Date						
27 JUL 2006	7.9	1387	108.2	8.1		4549.2
17 OCT 2006	7.2	1406	104.7	8.0		4549.2
16 JAN 2007	7.1	1413	109.4	8.0		4549.4
11 APR 2007	7.6	1434	115.6	8.1		4550.0

\* Values Exceed Upper Control Limit

MW52S

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW54S

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.2	1775	268.3			

Date						
31 JUL 2006	7.8	1485	126.9	7.9		4560.1
16 OCT 2006	6.8	1483	123.0	7.9		4560.2
24 JAN 2007	7.1	1495	121.5	8.0		4560.3
11 APR 2007	7.1	1497	115.2	8.0		4561.0

\* Values Exceed Upper Control Limit

MW54S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW56S

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.5	1087	184.4			

Date						
31 JUL 2006	12.3	902	209.4	*	7.5	4558.9
18 OCT 2006	33.9	884	244.7	*	6.7	4559.1
19 OCT 2006	13.5	886	179.5		7.7	4559.1
19 OCT 2006	13.5	897	179.5		7.6	4559.1
23 JAN 2007	6.7	927	187.6	*	7.5	4559.4
11 APR 2007	6.7	829	159.9		8.0	4559.9

\* Values Exceed Upper Control Limit

MW56S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW58S

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.5	1087	184.4			

Date						
31 JUL 2006	7.6	952	122.5	8.5		4566.9
18 OCT 2006	7.8	955	121.3	8.3		4566.0
24 JAN 2007	6.8	960	123.0	8.4		4571.3
11 APR 2007	7.5	960	116.5	8.6		4568.1

\* Values Exceed Upper Control Limit

MW58S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW66S-2

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.2	1775	268.3			

Date

31 JUL 2006	7.8	1451	131.1	8.0		4572.9
18 OCT 2006	7.2	1455	117.3	7.8		4573.3
24 JAN 2007	6.7	1471	117.9	8.0		4573.6
11 APR 2007	7.3	1463	123.0	8.1		4574.7

\* Values Exceed Upper Control Limit

MW66S-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW68S

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	23.5	3560	304			

Date						
26 SEP 2006	14.7	2427	251.1	7.4		4575.3
14 DEC 2006	14.4	2417	216.5	7.3		4572.4
27 MAR 2007	10.3	2474	246.6	7.3		4574.3
05 JUN 2007	16.9	2507	253.1	7.2		4572.6

\* Values Exceed Upper Control Limit

MW68S

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW70S

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	63.4	21365	5861.3			

Date					
26 SEP 2006	12.3	1850	34.2	8.0	4561.5
14 DEC 2006	12.0	1862	33.0	7.7	4561.1
27 MAR 2007	11.2	1885	29.6	8.4	4562.4
05 JUN 2007	10.2	1823	27.8	7.4	4561.5

\* Values Exceed Upper Control Limit

MW70S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW72S

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	63.4	21365	5861.3			

Date						
26 SEP 2006	12.0	2193	163.5	7.9		4567.2
12 DEC 2006	12.4	2194	169.2	7.8		4567.1
27 MAR 2007	11.9	2199	165.8	7.7		4568.9
05 JUN 2007	11.0	2207	148.7	7.6		4567.8

\* Values Exceed Upper Control Limit

MW72S

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 2  
Well I.D. MW92S

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	23.5	3560	304			

Date					
26 SEP 2006	12.9	2353	144.6	7.4	4570.8
14 DEC 2006	11.1	2390	143.2	7.4	4570.6
27 MAR 2007	11.6	2389	148.1	7.5	4572.7
05 JUN 2007	10.6	2340	131.6	7.2	4570.9

\* Values Exceed Upper Control Limit

MW92S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW94S

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	23.5	3560	304			

Date						
26 SEP 2006	15.3	2601	187.4	7.3		4563.5
14 DEC 2006	13.1	2623	184.3	7.3		4563.3
27 MAR 2007	14.0	2633	194.1	7.3		4565.5
05 JUN 2007	13.0	2629	176.4	7.2		4563.4

\* Values Exceed Upper Control Limit

MW94S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW96S

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	23.5	3560	304			

Date						
26 SEP 2006	11.6	2634	239.1	7.3		4566.4
14 DEC 2006	11.0	2696	230.7	7.3		4566.1
27 MAR 2007	11.9	2694	248.6	7.3		4568.7
05 JUN 2007	10.5	2605	203.5	7.2		4566.2

\* Values Exceed Upper Control Limit

MW96S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW98S

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	63.4	21365	5861.3			

Date						
26 SEP 2006	13.3	2605	172.8	7.5		4557.4
13 DEC 2006	12.1	2609	164.3	7.4		4556.4
27 MAR 2007	12.8	2630	168.1	7.3		4558.5
05 JUN 2007	12.4	2647	172.2	7.4		4562.5

\* Values Exceed Upper Control Limit

MW98S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW100S

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	23.5	3560	304			

Date						
26 SEP 2006	13.4	2486	148.4	8.4		4555.7
13 DEC 2006	13.4	2397	145.6	8.3		4556.1
27 MAR 2007	12.4	2520	141.9	7.7		4558.0
05 JUN 2007	12.2	2518	145.9	7.9		4562.0

\* Values Exceed Upper Control Limit

MW100S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW112S

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	63.4	21365	5861.3			

Date					
26 SEP 2006	11.2	2430	255.2	11.3	4553.9
13 DEC 2006	10.8	2539	296.9	11.3	4552.2
27 MAR 2007	11.2	2512	284.6	11.5	4554.7
18 JUN 2007	11.5	2499	279.6	11.4	4553.8

\* Values Exceed Upper Control Limit

MW112S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW117S

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.6	768	144.5			

Date						
26 SEP 2006	7.9	730	138.9	8.3		4535.6
13 DEC 2006	7.8	730	134.4	8.2		4534.4
27 MAR 2007	7.6	733	134.1	8.2		4536.4
06 JUN 2007	7.0	731	126.6	8.2		4536.8

\* Values Exceed Upper Control Limit

MW117S

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4SM-1

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	8.8	1570	142.7			

Date						
12 SEP 2006	6.9	1212	100.5	8.1		4610.3
05 DEC 2006	7.0	1202	100.1	8.0		4610.3
20 MAR 2007	6.7	1198	100.4	8.0		4610.2
05 JUN 2007	6.6	1172	94.0	7.8		4611.2

\* Values Exceed Upper Control Limit

4SM-1

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 4  
Well I.D. 4SM-4

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	8.8	1570	142.7			

Date

14 SEP 2006	6.6	1080	105.2	8.0		4597.3
05 DEC 2006	6.8	1076	117.0	8.0		4597.3
20 MAR 2007	6.4	1089	124.5	7.5		4596.5
05 JUN 2007	7.9	1046	106.8	7.0		4598.1

\* Values Exceed Upper Control Limit

4SM-4

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4SM-8

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	8.8	1570	142.7			

Date						
14 SEP 2006	6.4	854	118.6	8.1		4593.3
05 DEC 2006	6.5	844	115.0	7.9		4593.5
20 MAR 2007	5.5	820	106.5	7.8		4593.2
05 JUN 2007	5.7	818	104.5	7.7		4594.1

\* Values Exceed Upper Control Limit

4SM-8

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4SRM-07

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	19.4	1175	447.1			

Date						
12 SEP 2006	9.2	514	255.2	7.9		4580.0
05 DEC 2006	9.2	512	254.6	7.9		4579.9
20 MAR 2007	9.1	517	251.8	8.0		4576.5
05 JUN 2007	9.1	514	230.6	7.9		4575.4

\* Values Exceed Upper Control Limit

4SRM-07

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5SM1

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.1	2922	316.6			

Date						
20 JUL 2006	11.1	1225	116.8	7.3		4629.8
30 OCT 2006	39.0	1233	155.8	7.1		4629.6
10 JAN 2007	14.3	1218	143.4	7.2		4630.0
23 APR 2007	13.3	1218	135.9	7.3		4630.8

\* Values Exceed Upper Control Limit

5SM1

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5SM2

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.1	2922	316.6			

Date						
20 JUL 2006	9.4	1200	142.2	8.3		4676.4
30 OCT 2006	7.3	1190	147.5	7.6		4676.4
10 JAN 2007	8.3	1206	146.4	7.8		4676.8
18 APR 2007	8.2	1211	123.0	7.7		4678.1

\* Values Exceed Upper Control Limit

5SM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5SM3

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.1	2922	316.6			

Date

20 JUL 2006	7.4	1443	95.4	8.0		4675.8
30 OCT 2006	6.8	1450	81.9	8.4		4675.6
10 JAN 2007	6.6	1458	82.0	8.4		4675.9
18 APR 2007	6.6	1467	79.9	8.5		4677.1

\* Values Exceed Upper Control Limit

5SM3

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5SM5

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.1	2922	316.6			

Date						
20 JUL 2006	5.9	1318	115.0	7.6		4682.3
26 OCT 2006	6.3	1314	106.7	7.8		4681.7
10 JAN 2007	5.4	1322	103.6	7.8		4682.0
16 APR 2007	5.7	1324	103.3	7.3		4683.3

\* Values Exceed Upper Control Limit

5SM5

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5SM6

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.1	2922	316.6			

Date						
20 JUL 2006	10.3	626	211.2	8.4		4671.6
23 OCT 2006	9.1	611	183.2	8.2		4671.1
10 JAN 2007	9.4	603	182.4	8.4		4671.6
17 APR 2007	9.3	599	173.7	8.5		4673.1

\* Values Exceed Upper Control Limit

5SM6

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 5  
Well I.D. 5SM7

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.1	2922	316.6			

Date						
20 JUL 2006	17.5	1126	225.0	7.7		4665.6
30 OCT 2006	9.6	1161	180.6	7.8		4665.4
10 JAN 2007	8.8	1162	183.1	7.8		4665.6
17 APR 2007	8.3	1216	164.5	7.9		4667.4

\* Values Exceed Upper Control Limit

5SM7

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. WCOW-04

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.1	2922	316.6			

Date						
20 JUL 2006	7.6	1223	140.2	8.1		4645.8
30 OCT 2006	7.3	1318	126.5	8.1		4646.2
10 JAN 2007	6.7	1301	124.8	8.1		4646.8
23 APR 2007	6.9	1134	123.8	8.0		4648.5

\* Values Exceed Upper Control Limit

WCOW-04

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6SM1

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22	1966	289.1			

Date						
10 AUG 2006	6.9	922	115.8	8.3		4702.9
06 NOV 2006	6.7	1107	117.6	8.0		4702.9
20 FEB 2007	6.2	928	111.8	8.3		4703.0
08 MAY 2007	6.0	957	111.0	8.2		4703.7

\* Values Exceed Upper Control Limit

6SM1

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6SM2

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	24.2	3574	238.2			

Date						
10 AUG 2006	8.4	1937	94.5	7.7		4707.2
06 NOV 2006	7.5	1936	82.4	7.7		4707.1
20 FEB 2007	7.7	1932	82.6	7.8		4707.2
09 MAY 2007	7.3	1959	82.3	7.5		4707.9

\* Values Exceed Upper Control Limit

6SM2

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6SM3

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	24.2	3574	238.2			

Date						
10 AUG 2006	9.4	2026	83.9	7.7		4716.7
06 NOV 2006	8.0	2096	69.3	7.3		4716.3
20 FEB 2007	8.7	2139	67.6	7.6		4716.3
09 MAY 2007	9.1	2116	70.2	7.6		4717.0

\* Values Exceed Upper Control Limit

6SM3

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6SM4

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	24.2	3574	238.2			

Date						
10 AUG 2006	8.5	1488	32.2	9.7		4717.2
15 NOV 2006	6.5	1730	30.0	7.8		4717.0
20 FEB 2007	6.8	1538	20.5	9.3		4717.0
09 MAY 2007	6.6	1159	19.3	9.0		4717.6

\* Values Exceed Upper Control Limit

6SM4

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6SM5

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22	1966	289.1			

Date						
10 AUG 2006	9.4	1599	109.9	7.5		4707.9
06 NOV 2006	9.1	1518	114.5	7.5		4707.9
20 FEB 2007	9.4	1604	101.9	7.7		4707.9
09 MAY 2007	7.0	1574	92.1	7.5		4708.4

\* Values Exceed Upper Control Limit

6SM5

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6SM6

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22	1966	289.1			

Date						
10 AUG 2006	12.2	504	274.8	8.1		4694.8
06 NOV 2006	11.1	500	247.1	8.0		4695.0
20 FEB 2007	11.5	503	250.0	8.2		4695.3
09 MAY 2007	11.2	492	243.9	8.0		4695.2

\* Values Exceed Upper Control Limit

6SM6

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 6  
Well I.D. 6SM7

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	25.6	889	330			

Date						
30 AUG 2006	12.2	489	259.3	8.1		4694.6
06 NOV 2006	11.7	482	238.9	8.2		4694.8
20 FEB 2007	11.0	488	242.7	8.3		4695.2
09 MAY 2007	10.7	483	244.0	8.2		4695.7

\* Values Exceed Upper Control Limit

6SM7

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6SM8

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	24.2	3574	238.2			

Date					
16 AUG 2006	12.0	2198	61.8	7.1	4730.5
06 NOV 2006	9.8	2193	54.1	7.3	4730.3
13 FEB 2007	9.6	2212	53.8	7.6	4730.3
09 MAY 2007	9.4	2217	54.3	7.3	4730.7

\* Values Exceed Upper Control Limit

6SM8

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6SM9

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	24.2	3574	238.2			

Date						
16 AUG 2006	10.6	1850	27.5	9.3		4731.4
06 NOV 2006	8.8	1856	30.5	7.8		4731.1
13 FEB 2007	9.2	1864	25.6	8.3		4731.0
09 MAY 2007	9.1	1825	18.5	8.8		4731.4

\* Values Exceed Upper Control Limit

6SM9

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6SM10

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	25.6	889	330			

Date					
10 AUG 2006	11.8	661	283.2	8.2	4682.9
15 NOV 2006	11.0	661	259.7	8.1	4683.1
20 FEB 2007	10.9	662	257.0	8.3	4683.2
15 MAY 2007	11.8	661	253.1	8.2	4684.1

\* Values Exceed Upper Control Limit

6SM10

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6SM11

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	24.2	3574	238.2			

Date						
10 AUG 2006	13.5	2565	73.1	8.0		4730.1
06 NOV 2006	12.6	2606	82.9	7.8		4730.0
13 FEB 2007	12.8	2577	64.7	8.1		4729.8
16 MAY 2007	14.1	2633	84.5	8.3		4730.4

\* Values Exceed Upper Control Limit

6SM11

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6SM12

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	24.2	3574	238.2	8.5		

Date						
16 AUG 2006	14.0	2328	116.8	7.2		4730.6
15 NOV 2006	13.6	2725	104.2	7.5		4730.2
13 FEB 2007	13.8	2724	117.5	8.0		4730.0
09 MAY 2007	16.7	2734	133.2	7.7		4730.6

\* Values Exceed Upper Control Limit

6SM12

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6SM13

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	24.2	3574	238.2			

Date						
16 AUG 2006	13.4	2313	88.3	7.6		4730.4
06 NOV 2006	11.9	2315	76.3	7.5		4730.1
13 FEB 2007	11.9	2328	75.5	7.6		4730.0
09 MAY 2007	12.7	2335	73.1	7.6		4730.5

\* Values Exceed Upper Control Limit

6SM13

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6SM14

CHRISTENSEN RANCH  
INTERIOR SHALLOW SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22	1966	289.1			

Date						
10 AUG 2006	7.9	1137	140.0	8.2		4706.8
15 NOV 2006	7.3	1128	129.5	8.1		4706.6
13 FEB 2007	7.1	1137	128.4	8.1		4706.1
15 MAY 2007	8.7	1142	124.8	8.3		4708.0

\* Values Exceed Upper Control Limit

6SM14

Negative U3O8 Grades Indicate Less Than Detection Limit.



# **CHRISTENSEN PROJECT**

## **Interior Deep Sand Monitor Wells**

Mine Unit 5  
Well I.D. MW-12D

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.8	1017	420.9			

Date						
20 JUL 2006	11.4	531	229.2	8.3		4597.8
30 OCT 2006	9.3	528	206.1	8.2		4599.2
10 JAN 2007	9.5	526	207.1	8.3		4599.6
23 APR 2007	9.4	526	202.8	8.2		4601.5

\* Values Exceed Upper Control Limit

MW-12D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW45D

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.7	753	153.3			

Date

31 JUL 2006	10.3	626	134.6	8.6		4536.1
24 OCT 2006	10.6	630	116.2	8.5		4537.0
24 JAN 2007	9.7	636	116.8	8.5		4538.9
11 APR 2007	9.5	643	108.5	8.5		4540.6

\* Values Exceed Upper Control Limit

MW45D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW47D

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.7	753	153.5			

Date

27 JUL 2006	10.0	611	142.4	8.7		4538.8
16 OCT 2006	9.1	637	116.1	8.6		4538.5
24 JAN 2007	9.4	627	118.8	8.6		4541.5
11 APR 2007	9.5	635	112.7	8.6		4543.1

\* Values Exceed Upper Control Limit

MW47D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW49D

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.7	753	153.3			

Date						
27 JUL 2006	10.9	625	146.4	8.7		4540.8
16 OCT 2006	9.3	630	122.7	8.6		4541.4
16 JAN 2007	9.1	630	121.1	8.5		4544.4
11 APR 2007	9.2	636	114.5	8.6		4546.0

\* Values Exceed Upper Control Limit

MW49D

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW51D

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.7	753	153.3			

Date						
27 JUL 2006	10.8	615	127.0	8.6		4533.6
17 OCT 2006	9.6	629	116.8	8.6		4534.0
16 JAN 2007	9.5	637	114.0	8.5		4536.4
11 APR 2007	9.9	641	117.4	8.6		4538.4

\* Values Exceed Upper Control Limit

MW51D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW53D

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.7	753	153.3			

Date						
31 JUL 2006	10.7	638	116.3	8.6		4543.6
16 OCT 2006	9.4	641	105.0	8.6		4544.5
24 JAN 2007	9.7	645	104.7	8.6		4547.1
11 APR 2007	10.2	648	106.8	8.7		4548.8

\* Values Exceed Upper Control Limit

MW53D

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW55D

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.7	753	153.3			

Date						
31 JUL 2006	9.9	562	158.9	*	8.7	4543.1
18 OCT 2006	13.7	570	142.1		8.4	4543.1
24 JAN 2007	11.6	574	139.8		8.6	4546.3
11 APR 2007	11.5	582	129.8		8.7	4548.3

\* Values Exceed Upper Control Limit

MW55D

Negative U308 Grades Indicate Less Than Detection Limit.



Mine Unit 3  
Well I.D. MW57D

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.7	753	153.3			

Date						
31 JUL 2006	12.9	633	124.2	8.5		4547.1
18 OCT 2006	12.4	630	108.1	8.5		4546.9
24 JAN 2007	11.5	634	106.3	8.4		4556.6
11 APR 2007	11.4	638	110.6	8.6		4559.6

\* Values Exceed Upper Control Limit

MW57D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 3  
Well I.D. MW65D

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.7	753	153.3			

Date						
31 JUL 2006	8.7	519	178.3	*	9.2	4553.5
18 OCT 2006	8.0	521	158.0	*	9.1	4554.7
24 JAN 2007	8.1	533	152.5		9.1	4556.6
11 APR 2007	8.5	546	146.9		9.3	4558.3

\* Values Exceed Upper Control Limit

MW65D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW67D

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	12.9	789	134			

Date

26 SEP 2006	9.0	576	177.2	*	8.8	4532.4
14 DEC 2006	8.9	587	152.1	*	8.7	4533.8
27 MAR 2007	9.4	581	157.9	*	8.9	4536.0
05 JUN 2007	8.8	597	132.8		8.8	4536.5

\* Values Exceed Upper Control Limit

MW67D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW69D

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	12.9	789	134			

Date

26 SEP 2006	9.3	626	124.9	8.8		4534.0
14 DEC 2006	9.3	633	120.3	8.7		4541.5
27 MAR 2007	9.4	638	120.6	8.8		4543.6
05 JUN 2007	9.7	636	109.8	8.7		4538.1

\* Values Exceed Upper Control Limit

MW69D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW71D

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	12.9	789	134			

Date						
26 SEP 2006	9.5	639	118.8	8.9		4537.1
12 DEC 2006	9.8	641	116.7	8.8		4538.3
27 MAR 2007	9.8	645	124.1	8.8		4540.5
05 JUN 2007	9.2	645	105.4	8.8		4541.1

\* Values Exceed Upper Control Limit

MW71D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW91D

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	12.9	789	134			

Date						
26 SEP 2006	9.1	548	177.5	*	8.6	4532.5
14 DEC 2006	8.8	556	167.0	*	8.5	4533.6
27 MAR 2007	9.1	569	163.2	*	8.5	4536.0
05 JUN 2007	8.6	582	140.0	*	8.4	4535.9

\* Values Exceed Upper Control Limit

MW91D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW93D

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	12.9	789	134			

Date						
26 SEP 2006	9.7	653	106.4	8.6		4530.6
14 DEC 2006	9.4	652	106.3	8.4		4531.7
27 MAR 2007	9.8	654	108.7	8.5		4539.1
05 JUN 2007	9.4	655	96.6	8.4		4534.0

\* Values Exceed Upper Control Limit

MW93D

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW95D

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	12.9	789	134			

Date						
26 SEP 2006	10.0	647	114.3	8.6		4530.9
14 DEC 2006	9.2	646	109.3	8.4		4532.4
27 MAR 2007	9.8	660	114.5	8.5		4533.6
05 JUN 2007	10.0	649	100.4	8.4		4534.9

\* Values Exceed Upper Control Limit

MW95D

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 2  
Well I.D. MW97D

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.8	723	143.3			

Date						
26 SEP 2006	10.6	615	117.2	8.6		4529.0
13 DEC 2006	10.1	614	114.1	8.5		4530.0
27 MAR 2007	10.2	620	111.0	8.4		4532.6
05 JUN 2007	9.6	622	101.8	8.4		4532.4

\* Values Exceed Upper Control Limit

MW97D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW99D

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.8	723	143.3			

Date					
26 SEP 2006	9.8	578	133.2	8.5	4526.7
13 DEC 2006	10.1	592	122.4	8.5	4526.5
27 MAR 2007	10.2	603	120.4	8.4	4528.0
05 JUN 2007	9.8	602	109.8	8.4	4528.7

\* Values Exceed Upper Control Limit

MW99D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW113D

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	13.8	723	143.3			

Date						
26 SEP 2006	10.4	518	216.3	*	8.8	4526.8
13 DEC 2006	10.2	523	187.7	*	8.8	4527.7
27 MAR 2007	10.3	543	170.2	*	8.7	4530.3
05 JUN 2007	10.1	550	172.3	*	8.5	4532.3

\* Values Exceed Upper Control Limit

MW113D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4DM-1

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	14.1	712	189.2			

Date						
12 SEP 2006	8.7	561	125.1	8.6		4568.2
05 DEC 2006	8.5	562	121.1	8.5		4569.0
20 MAR 2007	8.5	563	120.2	8.4		4566.0
05 JUN 2007	8.0	566	112.9	8.2		4570.8

\* Values Exceed Upper Control Limit

4DM-1

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4DM-4

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	14.1	712	189.2			

Date

14 SEP 2006	7.9	511	138.2	8.7		4562.0
05 DEC 2006	8.0	512	137.8	8.5		4562.8
20 MAR 2007	7.9	513	138.0	8.5		4560.8
05 JUN 2007	7.6	513	130.4	8.4		4565.5

\* Values Exceed Upper Control Limit

4DM-4

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4DM-8

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	14.1	712	189.2			

Date						
14 SEP 2006	8.6	512	150.6	8.7		4557.9
05 DEC 2006	8.6	512	149.7	8.5		4558.3
20 MAR 2007	8.4	513	148.0	8.5		4555.3
05 JUN 2007	8.8	516	137.3	8.3		4561.9

\* Values Exceed Upper Control Limit

4DM-8

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 4  
Well I.D. 4DRM-07

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	14.1	712	189.2			

Date						
12 SEP 2006	7.8	526	128.8	8.6		4564.6
05 DEC 2006	8.2	525	133.9	8.4		4565.4
20 MAR 2007	8.0	527	132.5	8.5		4563.3
05 JUN 2007	7.9	527	122.2	8.3		4567.7

\* Values Exceed Upper Control Limit

4DRM-07

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5DM1A

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.8	1017	420.9			

Date

20 JUL 2006	5.5	404	222.1	8.9		4601.8
30 OCT 2006	5.5	403	192.5	8.8		4602.8
10 JAN 2007	5.4	406	198.4	8.7		4603.2
23 APR 2007	5.3	405	192.1	8.7		4604.6

\* Values Exceed Upper Control Limit

5DM1A

Negative U308 Grades Indicate Less Than Detection Limit.



Mine Unit 5  
Well I.D. 5DM2

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.8	1017	420.9			

Date						
20 JUL 2006	11.2	618	133.4	9.0		4600.4
30 OCT 2006	11.3	621	116.2	8.7		4602.2
10 JAN 2007	10.4	620	117.7	8.9		4603.2
18 APR 2007	10.5	620	113.9	9.0		4606.0

\* Values Exceed Upper Control Limit

5DM2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5DM3

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.8	1017	420.9			

Date						
20 JUL 2006	9.0	516	182.0	8.7		4600.5
30 OCT 2006	8.6	519	158.1	8.6		4601.7
10 JAN 2007	8.2	522	159.1	8.6		4602.3
18 APR 2007	8.7	529	151.3	8.6		4604.0

\* Values Exceed Upper Control Limit

5DM3

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5DM4

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.8	1017	420.9			

Date

20 JUL 2006	6.2	420	242.7	8.7		4601.1
30 OCT 2006	6.3	424	223.8	8.6		4602.0
10 JAN 2007	5.4	424	211.2	8.6		4602.6
23 APR 2007	5.6	425	206.2	8.6		4604.0

\* Values Exceed Upper Control Limit

5DM4

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5DM5

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.8	1017	420.9			

Date						
20 JUL 2006	5.9	444	261.6	8.6		4599.4
26 OCT 2006	6.3	445	237.4	8.5		4600.4
10 JAN 2007	5.4	446	233.2	8.5		4601.2
16 APR 2007	5.4	450	234.2	8.6		4602.6

\* Values Exceed Upper Control Limit

5DM5

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5DM7

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.8	1017	420.9			

Date

20 JUL 2006	9.4	522	280.5	8.4		4599.3
30 OCT 2006	7.9	521	244.6	8.3		4600.5
10 JAN 2007	8.8	522	245.4	8.4		4601.2
17 APR 2007	7.3	520	246.4	8.5		4602.8

\* Values Exceed Upper Control Limit

5DM7

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. WCOW-37D

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.8	1017	420.9			

Date						
20 JUL 2006	9.2	451	262.3	8.5		4600.9
30 OCT 2006	9.1	453	239.2	8.5		4599.6
10 JAN 2007	8.4	452	231.9	8.4		4600.3
17 APR 2007	8.8	456	225.3	8.4		4601.9

\* Values Exceed Upper Control Limit

WCOW-37D

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6DM1

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	21.9	1682	129.4			

Date						
09 AUG 2006	8.7	793	106.0	8.1		4593.6
06 NOV 2006	7.7	793	93.0	7.9		4595.7
20 FEB 2007	8.0	794	93.6	8.1		4599.2
08 MAY 2007	8.0	801	95.4	7.8		4602.6

\* Values Exceed Upper Control Limit

6DM1

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6DM2

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	21.9	1682	129.4			

Date						
09 AUG 2006	7.1	1125	79.5	9.0		4595.1
06 NOV 2006	6.3	1124	69.3	8.6		4697.2
20 FEB 2007	6.3	1130	70.2	8.8		4700.5
09 MAY 2007	5.8	1130	66.6	8.7		4703.9

\* Values Exceed Upper Control Limit

6DM2

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 6  
Well I.D. 6DM3-2

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	21.9	1682	129.4			

Date

09 AUG 2006	6.7	1114	87.4	7.7		4596.3
06 NOV 2006	6.1	1113	75.6	7.7		4598.3
20 FEB 2007	6.2	1122	74.9	7.8		4601.6
09 MAY 2007	5.8	1129	74.5	7.3		4604.9

\* Values Exceed Upper Control Limit

6DM3-2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6DM4-2

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	21.9	1682	129.4			

Date

09 AUG 2006	6.5	1139	86.2	8.1		4597.3
06 NOV 2006	5.8	1140	75.2	8.0		4598.9
20 FEB 2007	6.4	1148	77.0	8.1		4601.8
09 MAY 2007	5.8	1156	77.4	7.9		4605.7

\* Values Exceed Upper Control Limit

6DM4-2

Negative U308 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6DM5

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	21.9	1682	129.4			

Date						
09 AUG 2006	7.1	1137	86.4	7.7		4599.0
06 NOV 2006	6.1	1133	78.1	7.6		4601.1
20 FEB 2007	6.6	1143	79.5	7.8		4604.4
09 MAY 2007	6.0	1140	78.9	7.3		4607.6

\* Values Exceed Upper Control Limit

6DM5

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6DM6

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride.	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	21.9	1682	129.4			

Date						
16 AUG 2006	7.7	834	101.8	8.4		4606.7
15 NOV 2006	7.1	833	90.5	8.3		4608.9
13 FEB 2007	7.2	834	89.9	8.3		4612.3
08 MAY 2007	7.0	835	89.5	8.2		4615.7

\* Values Exceed Upper Control Limit

6DM6

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6DM7

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	21.9	1682	129.4			

Date						
16 AUG 2006	7.8	862	99.7	8.2		4616.3
15 NOV 2006	7.1	862	90.0	8.0		4618.3
13 FEB 2007	7.2	864	87.8	8.0		4621.9
15 MAY 2007	8.5	870	85.8	8.3		4625.2

\* Values Exceed Upper Control Limit

6DM7

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6DM8

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	21.9	1682	129.4			

Date

10 AUG 2006	7.6	847	100.0	8.3		4611.2
15 NOV 2006	6.9	851	88.8	8.2		4613.2
13 FEB 2007	7.1	851	88.2	8.2		4616.3
15 MAY 2007	8.6	852	87.2	8.4		4619.7

\* Values Exceed Upper Control Limit

6DM8

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6DM9

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	21.9	1682	129.4			

Date						
10 AUG 2006	8.1	825	103.2	7.9		4607.4
15 NOV 2006	7.3	827	90.4	7.8		4609.4
13 FEB 2007	7.3	829	89.1	7.7		4612.8
15 MAY 2007	8.7	830	87.6	8.0		4616.2

\* Values Exceed Upper Control Limit

6DM9

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6DM10

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	21.9	1682	129.4			

Date

10 AUG 2006	7.8	838	101.1	8.3		4607.6
15 NOV 2006	6.8	842	87.8	8.2		4609.6
13 FEB 2007	7.2	845	88.6	8.3		4612.7
15 MAY 2007	8.7	844	88.1	8.5		4616.4

\* Values Exceed Upper Control Limit

6DM10

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 6  
Well I.D. 6DM11

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.9	1101	385.3			

Date						
10 AUG 2006	11.4	585	196.6	8.4		4612.7
06 NOV 2006	10.3	606	177.0	8.3		4614.9
13 FEB 2007	8.4	601	160.5	8.2		4618.5
16 MAY 2007	10.8	595	155.0	8.6		4621.9

\* Values Exceed Upper Control Limit

6DM11

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6DM12

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.9	1101	385.3			

Date						
16 AUG 2006	8.0	531	135.4	8.6		4613.6
15 NOV 2006	7.6	534	121.3	8.4		4616.0
13 FEB 2007	7.4	534	120.3	8.5		4619.8
09 MAY 2007	7.2	537	120.2	8.5		4622.9

\* Values Exceed Upper Control Limit

6DM12

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6DM13

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	22.9	1101	385.3			

Date						
16 AUG 2006	8.1	633	204.5	8.3		4610.7
06 NOV 2006	7.3	635	189.4	8.0		4613.4
13 FEB 2007	7.4	637	189.1	8.0		4616.5
09 MAY 2007	7.0	631	182.9	8.0		4619.9

\* Values Exceed Upper Control Limit

6DM13

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6DM14

CHRISTENSEN RANCH  
INTERIOR DEEP SAND MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Upper Control Limit	21.9	1682	129.4			

Date						
10 AUG 2006	8.1	825	101.1	8.2		4603.3
15 NOV 2006	7.1	827	91.1	8.1		4604.9
13 FEB 2007	7.2	829	89.3	8.2		4608.7
15 MAY 2007	8.8	828	88.6	8.4		4612.1

\*.Values Exceed Upper Control Limit

6DM14

Negative U3O8 Grades Indicate Less Than Detection Limit.

# **CHRISTENSEN PROJECT**

## **Perimeter Ore Zone Trend Wells**

Mine Unit 2  
Well I.D. MW78T

CHRISTENSEN RANCH  
PERIMETER ORE ZONE TREND WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Action Level	13.6	823	121.3			

Date

25 SEP 2006	9.9	671	104.2	8.4		4559.5
12 DEC 2006	9.2	670	96.3	8.3		4562.0
27 MAR 2007	9.4	670	95.8	8.3		4564.0
18 JUN 2007	9.3	673	95.1	8.4		4566.0

\* Values Exceed Action Level

MW78T

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 2  
Well I.D. MW87T

CHRISTENSEN RANCH  
PERIMETER ORE ZONE TREND WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Action Level	13.6	823	121.3			

Date

26 SEP 2006	9.7	662	99.6	8.4		4555.6
11 DEC 2006	9.8	661	97.6	8.3		4557.8
27 MAR 2007	9.5	667	95.6	8.3		4559.7
05 JUN 2007	9.7	672	97.6	8.4		4561.7

\* Values Exceed Action Level

MW87T

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5TW-1

CHRISTENSEN RANCH  
PERIMETER ORE ZONE TREND WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Action Level	22.7	1004	134.3			

Date						
20 JUL 2006	9.1	716	115.0	8.4		4614.1
30 OCT 2006	8.9	717	104.6	8.4		4615.3
10 JAN 2007	8.4	716	103.4	8.3		4619.3
17 APR 2007	7.9	719	100.0	8.5		4624.3

\* Values Exceed Action Level

5TW-1

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 6  
Well I.D. 6TW1

CHRISTENSEN RANCH  
PERIMETER ORE ZONE TREND WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Action Level	20	1576	95.2			

Date

30 AUG 2006	21.2	*	1489	488.2	*	7.4	4612.1
07 NOV 2006	21.0	*	1485	489.0	*	7.4	4612.1
20 FEB 2007	20.2	*	1463	485.8	*	7.4	4617.5
09 MAY 2007	20.7	*	1451	446.8	*	7.4	4620.5

\* Values Exceed Action Level

6TW1

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6TW2

CHRISTENSEN RANCH  
PERIMETER ORE ZONE TREND WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Action Level	20	1576	95.2			

Date

30 AUG 2006	26.7	*	1598	*	197.6	*	7.7	4612.2
06 NOV 2006	25.9	*	1630	*	199.3	*	7.8	4614.0
20 FEB 2007	29.0	*	1647	*	200.9	*	7.8	4617.4
09 MAY 2007	30.2	*	1646	*	183.2	*	7.8	4620.6

\* Values Exceed Action Level

6TW2

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6TW3

CHRISTENSEN RANCH  
PERIMETER ORE ZONE TREND WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Action Level	20	1576	95.2			

Date						
16 AUG 2006	5.5	1271	79.7	7.7		4613.6
06 NOV 2006	4.9	1271	71.9	7.6		4614.8
13 FEB 2007	5.0	1278	72.1	7.8		4619.1
09 MAY 2007	5.4	1280	68.3	7.8		4622.4

\* Values Exceed Action Level

6TW3

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6TW4

CHRISTENSEN RANCH  
PERIMETER ORE ZONE TREND WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Action Level	20	1576	95.2			

Date								
30 AUG 2006	54.6	*	2400	*	426.2	*	7.3	4611.3
06 NOV 2006	53.3	*	2375	*	431.2	*	7.4	4613.3
20 FEB 2007	52.6	*	2330	*	408.4	*	7.1	4616.9
09 MAY 2007	53.7	*	2318	*	378.2	*	7.2	4620.1

\* Values Exceed Action Level

6TW4

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 6  
Well I.D. 6TW5

CHRISTENSEN RANCH  
PERIMETER ORE ZONE TREND WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Action Level	20	1576	95.2			

Date

16 AUG 2006	34.6	*	2323	*	546.6	*	7.8	4611.3
06 NOV 2006	36.0	*	2300	*	519.4	*	7.6	4612.9
07 FEB 2007	35.2	*	2355	*	525.4	*	7.3	4616.3
08 MAY 2007	38.6	*	2384	*	523.8	*	8.0	4619.7

\* Values Exceed Action Level

6TW5

Negative U3O8 Grades Indicate Less Than Detection Limit.

# **CHRISTENSEN PROJECT**

## **Interior Deep Sand Trend Wells**

Mine Unit 5  
Well I.D. 5DM8T

CHRISTENSEN RANCH  
INTERIOR DEEP SAND TREND WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Action Level	22.8	1017	420.9			

Date						
20 JUL 2006	9.2	581	143.5	8.5		4607.7
26 OCT 2006	10.8	585	147.8	8.2		4608.5
10 JAN 2007	9.0	587	136.9	8.3		4611.5
16 APR 2007	8.3	587	137.4	8.4		4616.3

\* Values Exceed Action Level

5DM8T

Negative U3O8 Grades Indicate Less Than Detection Limit.

Mine Unit 5  
Well I.D. 5DM9T

CHRISTENSEN RANCH  
INTERIOR DEEP SAND TREND WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Action Level	22.8	1017	420.9			

Date						
19 JUL 2006	11.1	504	126.6	8.6		4610.1
23 OCT 2006	10.0	505	109.8	8.4		4610.6
08 JAN 2007	10.4	507	110.4	8.5		4613.9
17 APR 2007	10.9	510	115.0	8.6		4618.6

\* Values Exceed Action Level

5DM9T

Negative U3O8 Grades Indicate Less Than Detection Limit.



Mine Unit 6  
Well I.D. 6DT1

CHRISTENSEN RANCH  
INTERIOR DEEP SAND TREND WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	mg/l	μ mho/cm	mg/l as CaCO <sub>3</sub>		mg/l	msl
Action Level	21.3	1802	121.7			

Date

10 AUG 2006	8.5	812	108.0	8.2		4599.7
06 NOV 2006	7.5	815	95.4	8.2		4601.9
20 FEB 2007	8.0	820	92.8	8.2		4605.2
08 MAY 2007	8.0	824	95.3	8.0		4608.5

\* Values Exceed Action Level

6DT1

Negative U3O8 Grades Indicate Less Than Detection Limit.

**IRIGARAY RANCH**

**USMT – 517 Wells**

517 Site  
Well I.D. M-1

IRIGARAY RANCH  
MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	Mg/l	µmho/cm	mg/l as CaCO3		mg/l	msl

Date

23-APR-2007      42.0      864      177.2      8.2

Negative U3O8 Grades Indicate Less Than Detection Limit.

517 Site  
Well I.D. NM-3

IRIGARAY RANCH  
MONTOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	Mg/l	µmho/cm	mg/l as CaCO3		mg/l	msl

Date

23-APR-2007

9.5

636

86.3

8.5

Negative U3O8 Grades Indicate Less Than Detection Limit.

517 Site  
Well I.D. M-4

IRIGARAY RANCH  
MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	Mg/l	µmho/cm	mg/l as CaCO3		mg/l	msl

Date

23-APR-2007      24.3      890      120.5      8.3

Negative U3O8 Grades Indicate Less Than Detection Limit.

517 Site  
Well I.D. SM-1

IRIGARAY RANCH  
MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	Mg/l	µmho/cm	mg/l as CaCO3		mg/l	msl

Date

23-APR-2007

9.4

1097

275.5

7.6

Negative U3O8 Grades Indicate Less Than Detection Limits.

USMT Site  
Well I.D. M-219

IRIGARAY RANCH  
MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	Mg/l	µmho/cm	mg/l as CaCO3		mg/l	msl

Date

23-Apr-2007

10.4

659

89.5

8.6

Negative U3O8 Grades Indicate Less Than Detection Limit.

USMT Site  
Well I.D. M-220

IRIGARAY RANCH  
MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	Mg/l	µmho/cm	mg/l as CaCO3		mg/l	msl

Date

23-Apr-2007      13.2      842      94.5      8.3

Negative U3O8 Grades Indicate Less Than Detection Limit.



USMT Site  
Well I.D. M-221

IRIGARAY RANCH  
MONITOR WELL

Water Quality Parameters	Chloride	Specific Conductance	Total Alkalinity	pH	Uranium	Piezometric Elevation
Units	Mg/l	μmho/cm	mg/l as CaCO3		mg/l	msl

Date

23-Apr-2007      10.0      627      92.3      8.5

Negative U3O8 Grades Indicate Less Than Detection Limit.

## **APPENDIX 3**

### **Reclamation/Restoration Bond Estimate 2006-2007**

TABLE 1

			WDEQ Estimate	NRC Estimate
<b>I GROUNDWATER RESTORATION - Worksheet 1:</b>			<b>\$3,124,253</b>	<b>\$3,358,895</b>
<b>II DECOMMISSIONING AND SURFACE RECLAMATION:</b>				
A.	Process Plant(s) Equipment Removal and Disposal Worksheet 2		\$184,990	\$184,990
B.	Plant Building(s) Demolition and Disposal Worksheet 3		\$750,473	\$750,473
C.	Process Pond Sludge and Liner Handling Worksheet 4		\$696,640	\$696,640
D.	Well Abandonment Worksheet 5		\$578,779	\$578,779
E.	Wellfield Equipment Removal and Disposal Worksheet 6		\$842,007	\$842,007
F.	Topsoil Replacement and Revegetation Worksheet 7		\$942,469	\$942,469
G.	Miscellaneous Reclamation Activities Worksheet 8		\$116,118	\$116,118
Sub Total - Decommissioning and Surface Reclamation			<b>\$4,111,476</b>	<b>\$4,111,476</b>
<b>TOTAL RESTORATION AND RECLAMATION</b>			<b>\$7,235,729</b>	<b>\$7,470,371</b>
Adjustment for Inflation = 6.1% (Aug. 2005 CPI All Urban Consumers, 196.4, to June 2007, 208.4)			\$441,379	\$455,693
<b>SUBTOTAL</b>			<b>\$7,677,109</b>	<b>\$7,926,063</b>
Miscellaneous Costs Associated with Third Party Contractors				
		WDEQ	NRC	
Project Design	0.5%	0%		
Contractor Profit & Mobilization	8%	3%		
Pre-construction Investigation	1%			
Project Management	3%	2%		
On-site monitoring	0.5%			
Site Security & Liability Assurance	1%	0.0%		
Longterm Administration	2%			
Subtotal miscellaneous additions to bond	16.0%	5.0%	\$1,228,337	\$396,303.17
<b>SUBTOTAL</b>			<b>\$8,905,446</b>	<b>\$8,322,367</b>
		WDEQ	NRC	
Contingency	4%	15%	\$356,218	\$1,248,355
<b>GRAND TOTAL RESTORATION AND RECLAMATION</b>			<b>\$9,261,664</b>	<b>\$9,570,722</b>

COGEMA Mining, Inc.  
2007 Restoration and Reclamation Costs  
Wyoming Operations  
WORKSHEET 1

GROUNDWATER RESTORATION

	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8
Technical Assumptions:									
Wellfield Area (Ft²)	522720	784080	890000	798944	510088	1210968	2021243	1332936	1600000
Wellfield Area (Acres)	12.00	18.00	20.43	18.34	11.71	27.80	46.40	30.6	36.7
Affected Ore Zone Area (Ft²)	522720	784080	890000	798944	550193	1346004	2058344		
Avg Completed Thickness (Ft)	15.0	18.0	11.0	10.0	12.7	19.9	21.8		
Affected Volume:									
Factor For Vertical Flare	20%	20%	20%	20%	20%	20%	20%		
Factor For Horizontal Flare	20%	20%	20%	20%	20%	20%	20%		
Total Volume (Ft³)	11290752	20323353.6	14097600	11504793.6	10061929.6	38593685.7	64615534.85		
Porosity	26.0%	26.0%	26.0%	26.0%	26.0%	26.0%	26.0%		
Gallons Per Cubic Foot	7.48	7.48	7.48	7.48	7.48	7.48	7.48		
Gallons Per Pore Volume	21958254.49	39524858.1	27417012.5	22374522.6	19568440.7	75057000	125664292.2		
Number of Wells in Unit(s)									
Production Wells	150	274	153	185	105	217	202	155	
Injection Wells	310	330	173	277	128	277	244	170	
Monitor Wells	150	165	50	46	44	70	65	66	
Baseline Water Quality wells (prod or inj)	19	27	24	19	15	25	47		
Average Well Spacing (Ft)	35	35	85	70	85	85	100	100	
Average Well Depth (Ft)	250	250	345	300	430	450	520	550	

I GROUNDWATER SWEEP

A. PLANT & OFFICE									
Operating Assumptions:									
Flowrate (gpm)			200	200	200	200	200		
PV's Required			1	1	1	1	1		
Total Gallons For Treatment			27417012.5	22374522.6	19568440.7	75057000	125664292.2		
Total KGals for Treatment			27417	22375	19568	75057	125664		
Cost Assumptions:									
Power									
Avg Connected Hp			40.00	40.00	40.00	40.00	40.00		
Kwh's/Hp			0.83	0.83	0.83	0.83	0.83		
\$/Kwh			\$0.0365	\$0.0365	\$0.0365	\$0.0365	\$0.0365		
Gallons Per Minute			200	200	200	200	100		
Gallons Per Hour			12000	12000	12000	12000	6000		
Cost Per Hour			1.21	1.21	1.21	1.21	1.21		
Cost Per Gallon			0.00010	0.00010	0.00010	0.00010	0.00020		
Cost Per KGal (\$)			\$0.101	\$0.101	\$0.101	\$0.101	\$0.202		
Chemicals									
Antiscalant (\$/KGals)			\$0.0947	\$0.0947	\$0.0947	\$0.0947	\$0.0947		
Elution (\$/KGals)			\$0.099	\$0.099	\$0.099	\$0.099	\$0.099		
Repair & Maintenance (\$/KGals)			\$0.0379	\$0.0379	\$0.0379	\$0.0379	\$0.0379		
Analysis (\$/KGals)			\$0.131	\$0.127	\$0.115	\$0.050	\$0.056		
Total Cost Per KGal			\$0.464	\$0.460	\$0.448	\$0.383	\$0.490		
Total Treatment Cost			\$12,718	\$10,291	\$8,758	\$28,713	\$61,534		
Utilities									
Power (\$/Month)			\$65	\$65	\$65	\$65	\$65		
Telephone (\$/Month)			\$500	\$500	\$500	\$500	\$500		
Time For Treatment									
Minutes For Treatment			137085	111873	97842	375285	628321		
Hours For Treatment			2285	1865	1631	6255	10472		
Days For Treatment			95	78	68	261	436		
Average Days Per Month			30.4	30.4	30.4	30.4	30.4		
Months For Treatment			3.1	2.6	2.2	8.6	14.3		
Utilities Cost (\$)			\$1,768	\$1,443	\$1,262	\$4,841	\$8,105		
TOTAL PLANT & OFFICE COST	\$0	\$0	\$14,487	\$11,734	\$10,020	\$33,554	\$69,639	\$0	\$0

I GROUNDWATER SWEEP (Continued)

B. WELLFIELD									
Cost Assumptions:									
Power									
Avg Flow/Pump (gpm)			20	20	20	20	20		
Avg Hp/Pump			3.00	3.00	3.00	3.00	3.00		
Avg # of Pumps Required			10.0	10.0	10.0	10.0	10.0		
Avg Connected Hp			25	25	25	25	25		
Kwh's/Hp			0.830	0.830	0.830	0.830	0.830		
\$/Kwh			\$0.0365	\$0.0365	\$0.0365	\$0.0365	\$0.0365		

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	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8
GROUNDWATER RESTORATION									
Gallons Per Minute			200	200	200	200	200		
Gallons Per Hour			12000	12000	12000	12000	12000		
Cost Per Hour (\$)			\$0.76	\$0.76	\$0.76	\$0.76	\$0.76		
Cost Per Gallon (\$)			\$0.0001	\$0.0001	\$0.0001	\$0.0001	\$0.0001		
Cost Per KGal (\$)			0.063	0.063	0.063	0.063	0.063		
Repair & Maintenance (\$/KGals)			\$0.289	\$0.289	\$0.289	\$0.289	\$0.289		
Total Cost Per KGal			\$0.353	\$0.353	\$0.353	\$0.353	\$0.353		
TOTAL WELLFIELD COST	\$0	\$0	\$9,665	\$7,887	\$6,898	\$26,459	\$44,298	\$0	\$0
TOTAL GROUND WATER SWEEP COST	\$0	\$0	\$24,152	\$19,622	\$16,918	\$60,012	\$113,937	\$0	\$0

II REVERSE OSMOSIS

A. PLANT & OFFICE

Operating Assumptions:									
Flowrate (gpm)			500	500	500	500	500		
PV's Required			5.0	5.0	5.0	5.0	5.0		
Total Gallons For Treatment			137085062	111872613	97842203.3	375285000	628321460.9		
Total KGals for Treatment			137085	111873	97842	375285	628321		
Feed to RO (gpm)			500	500	500	500	500		
Permeate Flow (gpm)			375	375	375	375	375		
Brine Flow (gpm)			125	125	125	125	125		
Average RO Recovery			75.0%	75.0%	75.0%	75.0%	75.0%		
Cost Assumptions:									
Power									
Avg Connected Hp			560.00	560.00	560.00	560.00	560.00		
Kwh's/Hp			0.830	0.830	0.830	0.830	0.830		
\$/Kwh			\$0.0365	\$0.0365	\$0.0365	\$0.0365	\$0.0365		
Gallons Per Minute			500	500	500	500	500		
Gallons Per Hour			30000	30000	30000	30000	30000		
Cost Per Hour (\$)			\$16.97	\$16.97	\$16.97	\$16.97	\$16.97		
Cost Per Gallon (\$)			\$0.00057	\$0.00057	\$0.00057	\$0.00057	\$0.00057		
Cost Per KGal (\$)			\$0.566	\$0.566	\$0.566	\$0.566	\$0.566		
Chemicals									
Caustic Soda (\$/KGals)			\$0.018	\$0.018	\$0.018	\$0.018	\$0.018		
Antiscalant (\$/KGals)			\$0.0947	\$0.0947	\$0.0947	\$0.0947	\$0.0947		
Elution (\$/KGals)			\$0.099	\$0.099	\$0.099	\$0.099	\$0.099		
Repair & Maintenance (\$/KGals)			\$0.038	\$0.038	\$0.038	\$0.038	\$0.038		
Sampling & Analysis (\$/KGals)			\$0.090	\$0.122	\$0.092	\$0.039	\$0.032		
Total Cost Per KGal (\$)			\$0.905	\$0.937	\$0.907	\$0.854	\$0.847		
Total Pumping Cost (\$)	\$0	\$0	\$124,089	\$104,788	\$88,752	\$320,397	\$531,949		
Utilities									
Power (\$/Month)			\$65	\$65	\$65	\$65	\$65		
Propane (\$/Month)			\$500	\$500	\$500	\$500	\$500		
Time For Treatment									
Minutes For Treatment			274170	223745	195684	750570	1256643		
Hours For Treatment			4570	3729	3261	12510	20944		
Days For Treatment			190	155	136	521	873		
Average Days Per Month			30.4	30.4	30.4	30.4	30.4		
Months For Treatment			6.3	5.1	4.5	17.1	28.7		
Utilities Cost (\$)	\$0	\$0	\$3,560	\$2,882	\$2,543	\$9,662	\$16,216		
TOTAL PLANT & OFFICE COST	\$0	\$0	\$127,648	\$107,670	\$91,294	\$330,059	\$548,165	\$0	\$0

II REVERSE OSMOSIS (Continued)

B. WELLFIELD

Cost Assumptions:									
Power									
Avg Flow/Pump (gpm)			20.00	20.00	20.00	20.00	20.00		
Avg Hp/Pump			3.00	3.00	3.00	3.00	3.00		
Avg # of Pumps Required			25.0	25.0	25.0	25.0	25.0		
Avg Connected Hp			75.0	75.0	75.0	75.0	75.0		
Kwh's/Hp			0.830	0.830	0.830	0.830	0.830		
\$/Kwh			\$0.0365	\$0.0365	\$0.0365	\$0.0365	\$0.0365		
Gallons Per Minute			500	500	500	500	500		
Gallons Per Hour			30000	30000	30000	30000	30000		
Cost Per Hour (\$)			\$2.27	\$2.27	\$2.27	\$2.27	\$2.27		
Cost Per Gallon (\$)			\$0.0001	\$0.0001	\$0.0001	\$0.0001	\$0.0001		
Cost Per KGal (\$)			\$0.076	\$0.076	\$0.076	\$0.076	\$0.076		
Repair & Maintenance (\$/KGals)			\$0.289	\$0.289	\$0.289	\$0.289	\$0.289		

COGEMA Mining, Inc.  
2007 Restoration and Reclamation Costs  
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	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8
GROUNDWATER RESTORATION									
Total Cost Per KGal			\$0.365	\$0.365	\$0.365	\$0.365	\$0.365		
<b>TOTAL WELLFIELD COST</b>	\$0	\$0	\$50,000	\$40,804	\$35,687	\$136,881	\$229,172	\$0	\$0
Add for 1 PV of Hydrogen Sulfide gas reductant \$0.863 per Kgal			\$23,661	\$19,309	\$16,888	\$64,774	\$108,448		
<b>TOTAL REVERSE OSMOSIS COST</b>	\$0	\$0	\$201,309	\$167,783	\$143,869	\$531,714	\$885,785	\$0	\$0

<b>III WASTE DISPOSAL WELL</b>									
Operating Assumptions:									
Annual Evaporation Capacity (Gals)			1,917,612	1,917,612	1,917,612	1,917,612	1,917,612		
Avg. Monthly Evap. Capacity (Gals)			159,801	159,801	159,801	159,801	159,801		
Total Disposal Requirement									
RO Brine Total Gallons			34,271,266	27,968,153	24,460,551	93,821,250	157,080,365		
RO Brine Total KGallons			34,271	27,968	24,461	93,821	157,080		
Brine Concentration Factor			60%	60%	60%	60%	60%		
Total Concentrated Brine (Gals)			20,562,759	16,780,892	14,676,330	56,292,750	94,248,219		
Months of RO Operation			6.3	5.1	4.5	17.1	28.7		
Average Monthly Req'm't (Gallons)			3,263,930	3,290,371	3,261,407	3,291,974	3,283,910		
Monthly Balance for DDW (Gals)			3,104,129	3,130,570	3,101,606	3,132,173	3,124,109		
Total WDW Disposal (Gallons)			19,556,013	15,965,907	13,957,226	53,560,153	89,661,930		
Total WDW Disposal (KGals)			19,556	15,966	13,957	53,560	89,662		
Cost Assumptions:									
Power									
Avg Connected Hp			100.00	100.00	100.00	100.00	100.00		
WDW Avg Connected Hp			180.00	180.00	180.00	180.00	180.00		
Kwh's/Hp			0.830	0.830	0.830	0.830	0.830		
\$/Kwh			\$0.0365	\$0.0365	\$0.0365	\$0.0365	\$0.0365		
Gallons Per Minute			150	150	150	150	150		
Gallons Per Hour			9000	9000	9000	9000	9000		
Cost Per Hour (\$)			\$8.48	\$8.48	\$8.48	\$8.48	\$8.48		
Cost Per Gallon (\$)			\$0.0009	\$0.0009	\$0.0009	\$0.0009	\$0.0009		
Cost Per KGal (\$)			\$0.943	\$0.943	\$0.943	\$0.943	\$0.943		
Chemicals (\$/KGals)									
RO Antiscalant (\$/KGals)			\$0.190	\$0.190	\$0.190	\$0.190	\$0.190		
WDW Antiscalant (\$/KGals)			\$0.237	\$0.237	\$0.237	\$0.237	\$0.237		
Sulfuric Acid (\$/KGals)			\$0.534	\$0.534	\$0.534	\$0.534	\$0.534		
Corrosion Inhibitor			\$0.000	\$0.000	\$0.000	\$0.000	\$0.000		
Algacide			\$0.111	\$0.111	\$0.111	\$0.111	\$0.111		
Repair & Maint (\$/KGals)			\$0.077	\$0.077	\$0.077	\$0.077	\$0.077		
Total Cost Per KGal			\$2.092	\$2.092	\$2.092	\$2.092	\$2.092		
<b>TOTAL WASTE DISPOSAL WELL COST</b>			\$40,902	\$33,393	\$29,192	\$112,022	\$187,529	\$0	\$0

<b>IV STABILIZATION MONITORING</b>									
Operating Assumptions:									
Time of Stabilization (mos)			9	9	9	9	9		
Frequency of Analysis (mos)			3	3	3	3	3		
Total Sets of Analysis			3	3	3	3	3		
Cost Assumptions:									
Generator Rental per sample set			\$280	\$280	\$280	\$280	\$280		
Analytical costs per set			\$3,600	\$2,850	\$2,250	\$3,750	\$7,050		
Total Sampling & Analysis Cost (\$)			\$11,640	\$9,390	\$7,590	\$12,090	\$21,990		
Utilities (Power + Telephone per month)			\$565	\$565	\$565	\$565	\$565		
Total Utilities Cost (\$)			\$5,085	\$5,085	\$5,085	\$5,085	\$5,085		
<b>TOTAL STABILIZATION COST</b>	\$0	\$0	\$16,725	\$14,475	\$12,675	\$17,175	\$27,075	\$0	\$0

<b>V. LABOR (Irigaray and Christensen Combined)</b>			
Cost Assumptions	Cost/Hour	Hours/Year	Cost
Crew:			
1 Supervisor	\$25.00	2080	\$52,000
4 Operators	\$20.00	2080	\$166,400
2 Maintenance	\$20.00	2080	\$83,200
2 Vehicles	\$12.00	2080	\$49,920
Cost per Year			\$351,520
Time Required - Years	1.6		
<b>TOTAL RESTORATION LABOR COST</b>	\$562,432		

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GROUNDWATER RESTORATION

Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8
Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Unit #2 Thru #4	Total Christensen & Irigaray						

VI RESTORATION CAPITAL REQUIREMENTS

I Deep Disposal Well(s) - new		\$0
II Plug and Abandon CR DW-1		\$73,950
III Plug and Abandon CR 18-3		\$66,250
IV 500 GPM Reverse Osmosis Unit		\$0
Total	\$0	\$140,200

	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	TOTAL
<b>SUMMARY:</b>										
I GROUNDWATER SWEEP	\$0	\$0	\$24,152	\$19,622	\$16,918	\$60,012	\$113,937	\$0		
II REVERSE OSMOSIS	\$0	\$0	\$201,309	\$167,783	\$143,869	\$531,714	\$885,785	\$0		
III WASTE DISPOSAL WELL	\$0	\$0	\$40,902	\$33,393	\$29,192	\$112,022	\$187,529	\$0		
IV STABILIZATION	\$0	\$0	\$16,725	\$14,475	\$12,675	\$17,175	\$27,075	\$0		
SUB TOTAL	\$0	\$0	\$283,088	\$235,273	\$202,654	\$720,923	\$1,214,327	\$0		\$2,656,263
V LABOR										\$562,432
VI CAPITAL										\$140,200
<b>TOTAL GROUNDWATER RESTORATION COST</b>										<b>\$3,358,895</b>
Credit for Completion of Groundwater Sweep (WDEQ)			\$24,152	\$19,622	\$16,918	\$60,012	\$113,937	\$0		\$234,642
Credit for Completion of Reverse Osmosis (WDEQ)										\$0
Credit Completion of Stabilization Monitoring (WDEQ)										\$0
Credit Subtotal			\$24,152	\$19,622	\$16,918	\$60,012	\$113,937	\$0	\$0	\$234,642
<b>GRAND TOTAL WDEQ</b>	\$0	\$0	\$258,936	\$215,651	\$185,735	\$660,910	\$1,100,389	\$0	\$0	<b>\$3,124,253</b>
<b>GRAND TOTAL NRC (no credi</b>	\$0	\$0	\$283,088	\$235,273	\$202,654	\$720,923	\$1,214,327	\$0	\$0	<b>\$3,358,895</b>

COGEMA Mining, Inc.  
2007 Restoration and Reclamation Costs  
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PLANT EQUIPMENT REMOVAL AND DISPOSAL	Irigaray							Christensen				
	Maint Area & Laboratory	Main Process Building	Expansion Building	Resin + Sand Filter Media	Dry Pack Area	Restoration Building	Sub Total	Satellite Plant	Resin + Sand Filter Media	Restoration Extension	Wellfield Modules	Sub Total
Volume (Yds³)	40	0	180	110	40	0		91	197	42	55	
Quantity Per Truck Load (Yds³)	20	20	20	20	20	20		20	20	20	20	
Number of Truck Loads	2.0	0.0	9.0	5.5	2.0	0.0		4.55	9.9	2.1	2.8	
I Decontamination Cost												
Decontamination Cost (\$/Load)	\$435	\$435	\$435	\$435	\$435	\$435		\$435	\$435	\$435	\$435	
Percent Requiring Decontamination	20.0%	100.0%	100.0%	0.0%	100.0%	100.0%		100.0%	0.0%	100.0%	100.0%	
Total Cost	\$174	\$0	\$3,915	\$0	\$870	\$0	\$4,959	\$1,979	\$0	\$914	\$1,196	\$4,089
II Dismantle and Loading Cost												
Cost Per Truck Load (\$)	\$650	\$650	\$650	\$650	\$650	\$650		\$650	\$650	\$650	\$650	
Total Cost	\$1,300	\$0	\$5,850	\$3,575	\$1,300	\$0	\$12,025	\$2,958	\$6,403	\$1,365	\$1,788	\$12,513
III Oversize Charges												
Percent Requiring Permits	40.0%	40.0%	40.0%	0.0%	60.0%	40.0%		40.0%	0.0%	40.0%	0.0%	
Cost Per Truck Load (\$)	\$326	\$326	\$326	\$326	\$326	\$326		\$326	\$326	\$326	\$326	
Total Cost	\$261	\$0	\$1,174	\$0	\$391	\$0	\$1,826	\$593	\$0	\$274	\$0	\$867
IV Transportation & Disposal												
A. Landfill												
Percent To Be Shipped	80.0%	80.0%	80.0%	0.0%	50.0%	80.0%		80.0%	0.0%	80.0%	80.0%	
Transportation Cost Per Truck Load	\$160	\$160	\$160	\$160	\$160	\$160		\$160	\$160	\$160	\$160	
Transportation Cost	\$256	\$0	\$1,152	\$0	\$160	\$0		\$582	\$0	\$269	\$352	
Disposal Fee Per Cubic Yard	\$12.00	\$12.00	\$12.00	\$12.00	\$12.00	\$12.00		\$12.00	\$12.00	\$12.00	\$12.00	
Disposal Cost (\$)	\$384	\$0	\$1,728	\$0	\$240	\$0		\$874	\$0	\$403	\$528	
Total Cost	\$640	\$0	\$2,880	\$0	\$400	\$0		\$1,456	\$0	\$672	\$880	
B. Licensed Site												
Percent To Be Shipped	20.0%	20.0%	20.0%	100.0%	50.0%	20.0%		20.0%	100.0%	20.0%	20.0%	
Transportation Cost Per Truck Load	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000		\$1,000	\$1,000	\$1,000	\$1,000	
Transportation Cost	\$400	\$0	\$1,800	\$5,500	\$1,000	\$0		\$910	\$9,850	\$420	\$550	
Disposal Cost Per Cubic Foot (\$)	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00		\$11.00	\$11.00	\$11.00	\$11.00	
Quantity Per Truck Load (Yds³)	20.0	20.0	20.0	20.0	20.0	20.0		20.0	20.0	20.0	20.0	
Quantity Per Truck Load (Ft³)	540	540	540	540	540	540		540	540	540	540	
Disposal Cost	\$2,376	\$0	\$10,692	\$32,670	\$5,940	\$0		\$5,405	\$58,509	\$2,495	\$3,267	
Total Cost Licensed Site	\$2,776	\$0	\$12,492	\$38,170	\$6,940	\$0		\$6,315	\$68,359	\$2,915	\$3,817	
Total Cost Transportation & Disposal	\$3,416	\$0	\$15,372	\$38,170	\$7,340	\$0	\$64,298	\$7,771	\$68,359	\$3,587	\$4,697	\$84,414
TOTAL COST	\$5,151	\$0	\$26,311	\$41,745	\$9,901	\$0	\$83,108	\$13,301	\$74,762	\$6,139	\$7,681	\$101,883
TOTAL COST - IRIGARAY AND CHRISTENSEN												\$184,990



Irigaray							Christensen						
Maint Area & Laboratory	Warehouse & Offices	Main Process Building	Expansion Building	Dry Pack Area	Restoration Building	Sub Total	Satellite Plant	Wellfield Modules	Booster Pump Bldgs.	Restoration Extension	Office Building	Warehouse	Sub Total

**BUILDING DEMOLITION AND DISPOSAL**

Structural Character	1 Story Steel Frame	1 Story Steel Frame	1 Story Steel Frame	1 Story Steel Frame	3 Story Steel/Masonry	1 Story Steel Frame		2 Story Steel Frame	1 Story Pre Fab (22)	1 Story Pre Fab (4)	2 Story Steel Frame	1 Story Pre-Fab	1 Story Steel Frame	
Demolition Volume (Ft³)	179400	108720	430400	386400	126000	69640		192000	95040	46720	72000	64800	11000	
Cost of Demolition Per Ft³	\$0.1650	\$0.1650	\$0.1650	\$0.1650	\$0.1650	\$0.1650		\$0.1650	\$0.1650	\$0.1650	\$0.1650	\$0.1650	\$0.1650	
Demolition Cost (\$)	\$29,601	\$17,939	\$71,016	\$63,756	\$20,790	\$11,491	\$214,592	\$31,680	\$15,682	\$7,709	\$11,880	\$10,692	\$1,815	\$79,457
Factor For Gutting	15.0%	10.0%	30.0%	10.0%	20.0%	10.0%		20.0%	0.0%	0.0%	20.0%	10.0%	10.0%	
Cost For Gutting (\$)	\$4,440	\$1,794	\$21,305	\$6,376	\$4,158	\$1,149	\$39,221	\$6,336	\$0	\$0	\$2,376	\$1,069	\$182	\$9,963
Weight (pounds)	158761	96212	380885	341947	111504	61628		169912	66660	28032	63717	38802	9735	
Weight per Truckload	40000	40000	40000	40000	40000	40000		40000	40000	40000	40000	40000	40000	
Number of Truckloads	4.0	2.4	9.5	8.5	2.8	1.5		4.2	1.7	0.7	1.6	1.0	0.2	
Transportation Cost per Truckload	\$160	\$160	\$160	\$160	\$160	\$160		\$160	\$160	\$160	\$160	\$160	\$160	
Transportation Cost (\$)	\$635	\$385	\$1,524	\$1,368	\$446	\$247	\$4,604	\$680	\$267	\$112	\$255	\$155	\$39	\$1,507
Disposal Cost per Truckload (25 CY)	\$300.00	\$300.00	\$300.00	\$300.00	\$300.00	\$300.00		\$300.00	\$300.00	\$300.00	\$300.00	\$300.00	\$300.00	
Disposal Cost (\$)	\$1,191	\$722	\$2,857	\$2,565	\$836	\$462	\$8,632	\$1,274	\$500	\$210	\$478	\$291	\$73	\$2,826
<b>TOTAL COST</b>	<b>\$35,867</b>	<b>\$20,839</b>	<b>\$96,701</b>	<b>\$74,064</b>	<b>\$26,230</b>	<b>\$13,348</b>	<b>\$267,050</b>	<b>\$39,970</b>	<b>\$16,448</b>	<b>\$8,031</b>	<b>\$14,989</b>	<b>\$12,207</b>	<b>\$2,108</b>	<b>\$93,754</b>
<b>TOTAL COST IRIGARAY AND CHRISTENSEN</b>														<b>\$360,804</b>

**CONCRETE DECONTAMINATION, DEMOLITION & DISPOSAL**

Area (Ft²)	8020	7100	17600	18400	5600	3600		9600	0	1440	3600	0	1000	
Average Thickness (Ft)	0.5	0.5	0.5	0.5	1	0.5		0.5	0.0	0.5	0.5	0.0	0.5	
Volume (Ft³)	4010	3550	8800	9200	5600	1800		4800	0	720	1800	0	500	
Percent Requiring Decontamination	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%		100.0%	0.0%	100.0%	100.0%	0.0%	0.0%	
Percent Decontaminated	0.0%	0.0%	75.0%	75.0%	40.0%	75.0%		75.0%	0.0%	100.0%	100.0%	0.0%	0.0%	
Decontamination (\$/Ft²)	\$0.134	\$0.134	\$0.134	\$0.134	\$0.134	\$0.134		\$0.134	\$0.134	\$0.134	\$0.134	\$0.134	\$0.134	
Decontamination Cost	\$0	\$0	\$1,769	\$1,849	\$300	\$362	\$4,280	\$965	\$0	\$193	\$482	\$0	\$0	\$1,640
Demolition (\$/Ft²)	\$3.05	\$3.05	\$3.05	\$3.05	\$3.05	\$3.05		\$3.05	\$3.05	\$3.05	\$3.05	\$3.05	\$3.05	
Demolition Cost	\$24,461	\$21,655	\$53,680	\$56,120	\$17,080	\$10,980	\$183,976	\$29,280	\$0	\$4,392	\$10,980	\$0	\$3,050	\$47,702
Transportation & Disposal														
A. Onsite Disposal														
Percent to be Disposed Onsite	100%	100%	90%	90%	40%	90%		90%	0%	100%	100%	0%	100%	
Transportation Cost	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	
Disposal Cost per Cubic Foot	\$0.230	\$0.230	\$0.230	\$0.230	\$0.230	\$0.230		\$0.230	\$0.230	\$0.230	\$0.230	\$0.230	\$0.230	
Disposal Cost (\$)	\$922	\$817	\$1,822	\$1,904	\$515	\$373	\$6,353	\$994	\$0	\$166	\$414	\$0	\$115	\$1,688
B. Licensed Site														
Percent to be Shipped	0%	0%	10%	10%	60%	10%		10%	100%	0%	0%	100%	0%	
Transportation Cost per Truckload	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000		\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	
Transportation Cost (\$)	\$0	\$0	\$1,630	\$1,704	\$6,222	\$333	\$9,889	\$889	\$0	\$0	\$0	\$0	\$0	\$889
Disposal Cost per Cubic Foot	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70		\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	
Quantity Per Truck Load (Yds³)	20	20	20	20	20	20		20	20	20	20	20	20	
Quantity Per Truck Load (Ft³)	540	540	540	540	540	540		540	540	540	540	540	540	
Disposal Cost (\$)	\$0	\$0	\$3,256	\$3,404	\$12,432	\$666	\$19,758	\$1,776	\$0	\$0	\$0	\$0	\$0	\$1,776
<b>TOTAL COST</b>	<b>\$25,383</b>	<b>\$22,472</b>	<b>\$62,156</b>	<b>\$64,981</b>	<b>\$36,550</b>	<b>\$12,714</b>	<b>\$224,255</b>	<b>\$33,903</b>	<b>\$0</b>	<b>\$4,751</b>	<b>\$11,876</b>	<b>\$0</b>	<b>\$3,165</b>	<b>\$53,695</b>
<b>TOTAL COST IRIGARAY AND CHRISTENSEN</b>														<b>\$277,951</b>

**SOIL REMOVAL & DISPOSAL**

Assume removal of 3" of Contaminated Soil under Primary Areas, Disposal at a Licensed facility.

Removal with Loader (\$75/hr)	\$75	\$0	\$1,222	\$1,278	\$389	\$250	\$3,139	\$667	\$0	\$0	\$0	\$0	\$0	\$667
Quantity to be Shipped (Ft³)	0	0	4400	4600	1400	900		2400	0	0	0	0	0	
Transportation Cost per Truckload	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000		\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	
Transportation Cost (\$)	\$0	\$0	\$8,148	\$8,519	\$2,593	\$1,667	\$20,926	\$4,444	\$0	\$0	\$0	\$0	\$0	\$4,444
Disposal fee Per Cubic Foot(\$)	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70		\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	
Quantity per Truckload (Ft³)	540	540	540	540	540	540		540	540	540	540	540	540	
Disposal Cost (\$)	\$0	\$0	\$16,280	\$17,020	\$5,180	\$3,330	\$41,810	\$8,880	\$0	\$0	\$0	\$0	\$0	\$8,880
Removal, NPDES Pts.														
Quantity to be Shipped (Ft³)			559					5,030						
Transportation Cost per Truckload	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000		\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	

A Mining, Inc.  
 2007 Restoration and Reclamation Costs  
 Wyoming Operations  
 WORKSHEET 3

	Irigaray							Christensen						
	Maint Area & Laboratory	Warehouse & Offices	Main Process Building	Expansion Building	Dry Pack Area	Restoration Building	Sub Total	Satellite Plant	Wellfield Modules	Booster Pump Bldgs.	Restoration Extension	Office Building	Warehouse	Sub Total
Transportation Cost (\$)	\$0	\$0	\$1,035	\$0	\$0	\$0	\$1,035	\$9,315	\$0	\$0	\$0	\$0	\$0	\$9,315
Disposal fee Per Cubic Foot(\$)	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70		\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	
Quantity per Truckload (Ft³)	540	540	540	540	540	540		540	540	540	540	540	540	
Disposal Cost (\$)	\$0	\$0	\$2,068	\$0	\$0	\$0	\$2,068	\$18,611	\$0	\$0	\$0	\$0	\$0	\$18,611
Total Cost	\$0	\$0	\$28,753	\$26,816	\$8,161	\$5,247	\$68,978	\$41,917	\$0	\$0	\$0	\$0	\$0	\$41,917
TOTAL COST	\$0	\$0	\$28,753	\$26,816	\$8,161	\$5,247	\$68,978	\$41,917	\$0	\$0	\$0	\$0	\$0	\$41,917
TOTAL COST IRIGARAY AND CHRISTENSEN														\$110,895

RADIATION SURVEY														
Area required (acres)	0.18	0.16	0.40	0.42	0.13	0.08		0.22	0.00	0.03	0.08	0.00	0.02	
Survey Cost (\$/acre)	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00		\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	
TOTAL SURVEY COST (\$)	\$96		\$210	\$220	\$67	\$43	\$636	\$115	\$0	\$17	\$43	\$0	\$12	\$187

TOTAL COST	\$61,346	\$43,311	\$187,820	\$166,082	\$71,008	\$31,352	\$560,919	\$115,906	\$16,448	\$12,799	\$26,908	\$12,207	\$5,285	\$189,554
TOTAL COST IRIGARAY AND CHRISTENSEN														\$750,473

OGEMA Mining, Inc.  
2007 Restoration and Reclamation Costs  
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POND RECLAMATION COST	Irigaray						Christensen					
	Pond A	Pond B	Pond C	Pond D	Pond E	Pond RA	Pond RB	Brine Pond 1	Brine Pond 2	Brine Pond 3	Brine Pond 4	Permeate Pond
POND SLUDGE:												
Average Sludge Depth (Ft)		0.156					0.156	0.166	0.222	0.143	0.068	0.000
Average Area of Sludge (Ft²)		50,604					50,604	20,909	20,909	20,909	20,909	-
Volume of Sludge (Ft³)		7,907					7,907	3,466	4,651	2,983	1,414	-
Volume of Sludge (Yds³)		293					293	128	172	110	52	0
Volume of Sludge Per Truck Load (Yds³)		20.0					20.0	20.0	20.0	20.0	20.0	20.0
# of Truck Loads of Sludge		14.7					14.7	6.4	8.6	5.5	2.6	0.0
Sludge Handling Cost Per Load (\$)		\$240.00					\$240.00	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00
Total Sludge Handling Cost (\$)	\$0	\$3,528	\$0	\$0	\$0	\$0	\$3,528	\$1,536	\$2,064	\$1,320	\$624	\$0
Transportation & Disposal												
Percent To Be Shipped to Licensed Site		100.0%					100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Transportation Cost per Truckload		\$1,000					\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
Transportation Cost (\$)		\$14,700					\$14,700	\$6,400	\$8,600	\$5,500	\$2,600	\$0
Disposal Cost Per Cubic Foot (\$)		\$11.00					\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00
Quantity Per Truck Load (Yds³)		20.0					20.0	20.0	20.0	20.0	20.0	20.0
Quantity Per Truck Load (Ft³)		540					540	540	540	540	540	540
Disposal Cost (\$)		\$87,318					\$87,318	\$38,016	\$51,084	\$32,670	\$15,444	\$0
Total Transportation & Disposal (\$)	\$0	\$102,018	\$0	\$0	\$0	\$0	\$102,018	\$44,416	\$59,684	\$38,170	\$18,044	\$0
TOTAL SLUDGE COST (\$)	\$0	\$105,546	\$0	\$0	\$0	\$0	\$105,546	\$45,952	\$61,748	\$39,490	\$18,668	\$0
\$376,950												
POND LINER:												
Total Pond Area (Acres)		1.72					2.17	1.10	1.10	1.10	1.10	0.00
Total Pond Area (Ft²)		74923.2					94525.2	47916	47916	47916	47916	0
Factor For Sloping Sides		20.0%					20.0%	20.0%	20.0%	20.0%	20.0%	0.0%
Total Liner Area (Ft²)		89908					113430	57499	57499	57499	57499	0
Liner Thickness (Millimeters)		30					30	30	30	30	30	0
Liner Thickness (Inches)		0.1181					0.1181	0.1181	0.1181	0.1181	0.1181	0
Liner Thickness (Ft)		0.0098					0.0098	0.0098	0.0098	0.0098	0.0098	0
"Swell" Factor		25.0%					25.0%	25.0%	25.0%	25.0%	25.0%	0.0%
Liner Volume (Ft³)		1101					1390	704	704	704	704	0
Truck Loads of Liner		2.0					2.6	1.3	1.3	1.3	1.3	0.0
Liner Handling Cost (\$)												
Labor Crew Cost per Hour (\$)		\$90					\$90	\$90	\$90	\$90	\$90	\$0
Hours per Load		2.0					2.0	2.0	2.0	2.0	2.0	0.0
Liner Handling Cost Per Load (\$)		\$180.00					\$180.00	\$180.00	\$180.00	\$180.00	\$180.00	\$0.00
Total Liner Handling Cost (\$)	\$0	\$360	\$0	\$0	\$0	\$0	\$468	\$234	\$234	\$234	\$234	\$0
Transportation & Disposal												
Percent To Be Shipped to Licensed Site		100.0%					100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Transportation Cost per Truckload		\$1,000					\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
Transportation Cost (\$)		\$2,000					\$2,600	\$1,300	\$1,300	\$1,300	\$1,300	\$0
Disposal Cost Per Cubic Foot (\$)		\$11.00					\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00
Quantity Per Truck Load (Ft³)		540					540	540	540	540	540	540
Disposal Cost (\$)		\$11,880					\$15,444	\$7,722	\$7,722	\$7,722	\$7,722	\$0
Total Transportation & Disposal (\$)	\$0	\$13,880	\$0	\$0	\$0	\$0	\$18,044	\$9,022	\$9,022	\$9,022	\$9,022	\$0
TOTAL LINER COST (\$)	\$0	\$14,240	\$0	\$0	\$0	\$0	\$18,512	\$9,256	\$9,256	\$9,256	\$9,256	\$0
\$69,776												
POND BACKFILL:												
Backfill required (Yds³)	8740	8580	8740	8580	2517	14617	16319	9048	9048	9048	9048	18070
Backfill Cost (\$/Yd³)	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00
TOTAL BACKFILL COST (\$)	\$17,480	\$17,160	\$17,480	\$17,160	\$5,034	\$29,234	\$32,638	\$18,096	\$18,096	\$18,096	\$18,096	\$36,140
\$244,710												
RADIATION SURVEY												
Areal required (acres)		1.72		1.72			2.17	1.10	1.10	1.10	1.10	0
Survey Cost (\$/acre)	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00
TOTAL SURVEY COST (\$)	\$0	\$894	\$0	\$894	\$0	\$0	\$1,128	\$572	\$572	\$572	\$572	\$0
\$5,204												
LEAK DETECTION SYSTEM REMOVAL												
Volume of Gravel and Piping (Ft³) (Assume 3")												
Quantity per Truckload (Ft³)												
Quantity to be Shipped to Licensed Site (Loads)												
Transportation Cost per Truckload												
Transportation Cost (\$)												
Handling Cost per load												
Disposal Fee per Cubic Foot (\$)												
Disposal Cost (\$)												

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POND RECLAMATION COST	Irigaray							Christensen				
	Pond A	Pond B	Pond C	Pond D	Pond E	Pond RA	Pond RB	Brine Pond 1	Brine Pond 2	Brine Pond 3	Brine Pond 4	Permeate Pond
TOTAL LEAK DETECTION SYSTEM REMOVAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL POND RECLAMATION COST	\$17,480	\$137,840	\$17,480	\$18,054	\$5,034	\$29,234	\$157,824	\$73,876	\$89,672	\$67,414	\$46,592	\$36,140

SUMMARY - IRIGARAY:

TOTAL SLUDGE COST (\$)	\$211,092
TOTAL LINER COST (\$)	\$32,752
TOTAL BACKFILL COST (\$)	\$136,186
TOTAL RADIATION SURVEY COST (\$)	\$2,916
LEAK DETECTION SYSTEM REMOVAL	\$0
TOTAL POND RECLAMATION COST	\$382,946

SUMMARY - CHRISTENSEN:

TOTAL SLUDGE COST (\$)	\$165,858
TOTAL LINER COST (\$)	\$37,024
TOTAL BACKFILL COST (\$)	\$108,524
TOTAL RADIATION SURVEY COST (\$)	\$2,288
LEAK DETECTION SYSTEM REMOVAL	\$0
TOTAL POND RECLAMATION COST	\$313,694
TOTAL PROJECT COST - CR and IR (\$)	\$696,640

COGEMA Mining, Inc.  
2007 Restoration and Reclamation Costs  
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WELL PLUGGING AND ABANDONMENT

	Irigaray				Christensen			
	Mine Units #1 Thru #9	517 USMT Test Sites	Monitor/ Trend	Sub Total	Mine Units #2 Thru #7	Monitor/ Trend	Misc. Regional	Sub Total
Number of Wells	58	11	0	69	2379	327	137	2843
Average Depth	250	250	250		450	450	410	
Average Diameter	4.5	4.5	4.5		4.5	4.5	4.5	
Materials								
Bentonite Chips Required (Ft <sup>3</sup> /Well)	11.4	11.4	11.4		11.4	11.4	11.4	
Bags of Chips Required/Well	15.0	15.0	15.0		16.0	16.0	15.0	
Cost Per Bag (\$)	\$4.50	\$4.50	\$4.50		\$4.50	\$4.50	\$4.50	
Cost/Well Bentonite Chips (\$)	\$67.50	\$67.50	\$67.50		\$72.00	\$72.00	\$67.50	
Gravel Fill Required (Ft <sup>3</sup> /Well)	15.7	15.7	15.7		33.6	33.6	33.6	
Gravel Fill Required (Yd <sup>3</sup> /Well)	0.58	0.58	0.58		1.24	1.24	1.24	
Cost of Gravel/Yd <sup>3</sup> (\$)	\$20.00	\$20.00	\$20.00		\$20.00	\$20.00	\$20.00	
Cost/Well Gravel Fill (\$)	\$11.63	\$11.63	\$11.63		\$24.89	\$24.89	\$24.89	
Cement Cone/Markers Req'd/Well	1.0	1.0	1.0		1.0	1.0	1.0	
Cost of Cement Cones/Markers (\$)	\$4.00	\$4.00	\$4.00		\$4.00	\$4.00	\$4.00	
Total Materials Cost per Well	\$83.13	\$83.13	\$83.13		\$100.89	\$100.89	\$96.39	
Labor								
Hours Required per Well	1.0	1.0	1.0		1.0	1.0	1.0	
Labor Cost per Hour	\$60.00	\$60.00	\$60.00		\$60.00	\$60.00	\$60.00	
Total Labor Cost per Well (\$)	\$60.00	\$60.00	\$60.00		\$60.00	\$60.00	\$60.00	
Equipment Rental								
Hours Required per Well	1.0	1.0	1.0		1.0	1.0	1.0	
Backhoe w/Operator Cost/Hr (\$)	\$38.50	\$38.50	\$38.50		\$38.50	\$38.50	\$38.50	
Total Equipment Cost per Well (\$)	\$38.50	\$38.50	\$38.50		\$38.50	\$38.50	\$38.50	
Total Cost per Well (\$)	\$181.63	\$181.63	\$181.63		\$199.39	\$199.39	\$194.89	
TOTAL WELL ABANDONMENT COST (\$)	\$10,535	\$1,998	\$0	\$12,532	\$474,346	\$65,200	\$26,700	\$566,246
GRAND TOTAL IRIGARAY AND CHRISTENSEN								\$578,779

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WELLFIELD EQUIPMENT REMOVAL & DISPOSAL

	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
<b>I Wellfield Piping</b>							
<b>A. Removal</b>							
Length/Well (Ft)	100	300	300	300			
Total Number of Wells	602	1021	494	446			
Total Quantity (Ft)	60200	306300	148200	133800			
Cost of Removal (\$/Ft)	\$0.202	\$0.202	\$0.202	\$0.202			
Cost of Removal (\$)	\$12,160	\$61,873	\$29,936	\$27,028			\$130,997
Average OD (Inches)	3.0	3.0	3.0	3.0			
Chipped Volume Reduction (Ft³/Ft)	0.016	0.016	0.016	0.016			
Chipped Volume (Ft³)	963	4,901	2,371	2,141			
Quantity Per Truck Load (Ft³)	540	540	540	540			
Total Number of Truck Loads	1.8	9.1	4.4	4.0			
<b>B. Survey &amp; Decontamination</b>							
Percent Requiring Decontamination	0%	0%	0%	0%			
Loads for Decontamination	0.0	0.0	0.0	0.0			
Cost for Decontamination (\$/Load)	\$435.00	\$435.00	\$435.00	\$435.00			
Cost for Decontamination (\$)	\$0	\$0	\$0	\$0			\$0
<b>C. Transport &amp; Disposal</b>							
1.) Landfill							
a. Transportation							
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%			
Loads To Be Shipped	0.0	0.0	0.0	0.0			
Transportation Cost per Load	\$160	\$160	\$160	\$160			
Transportation Cost (\$)	\$0	\$0	\$0	\$0			\$0
b. Disposal							
Disposal Fee Per Yd³	\$12.00	\$12.00	\$12.00	\$12.00			
Yds³ Per Load	20	20	20	20			
Disposal Cost (\$)	\$0	\$0	\$0	\$0			
Total Cost - Landfill	\$0	\$0	\$0	\$0			\$0
2.) Licensed Site							
a. Transportation							
Percent To Be Shipped	100.0%	100.0%	100.0%	100.0%			
Loads To Be Shipped	1.8	9.1	4.4	4.0			
Transportation Cost per Load	\$1,000	\$1,000	\$1,000	\$1,000			
Transportation Cost (\$)	\$1,800	\$9,100	\$4,400	\$4,000			\$19,300
b. Disposal							
Disposal Cost Per Ft³	\$11.00	\$11.00	\$11.00	\$11.00			
Disposal Fee Per Yd³	\$297.00	\$297.00	\$297.00	\$297.00			
Quantity Per Truck Load (Yds³)	20	20	20	20			
Disposal Cost (\$)	\$10,692	\$54,054	\$26,136	\$23,760			\$114,642
Total Cost - Licensed Site	\$12,492	\$63,154	\$30,536	\$27,760			\$133,942
Total Cost - Transport & Disposal	\$12,492	\$63,154	\$30,536	\$27,760			\$133,942
<b>Total Cost - WF Piping Removal &amp; Disposal</b>	<b>\$24,652</b>	<b>\$125,027</b>	<b>\$60,472</b>	<b>\$54,788</b>	<b>\$0</b>	<b>\$0</b>	<b>\$264,939</b>
<b>II Production Well Pumps</b>							
<b>A. Pump and Tubing Removal</b>							
Number of Production Wells	424	443	217	202			
Cost of Removal (\$/well)	\$22.50	\$22.50	\$22.50	\$22.50			
Cost of Removal (\$)	\$0	\$9,968	\$4,883	\$4,545			\$19,395
Number of Pumps Per Truck Load	180	180	180	180			
Number of Truck Loads (Pumps)	0.0	2.5	1.2	1.1			
<b>B. Survey &amp; Decontamination (Pumps)</b>							
Percent Requiring Decontamination	50.0%	50.0%	50.0%	50.0%			
Loads for Decontamination	0.0	1.3	0.6	0.6			
Cost for Decontamination (\$/Load)	\$435.00	\$435.00	\$435.00	\$435.00			
Cost for Decontamination (\$)	\$0	\$566	\$261	\$261			\$1,088
<b>C. Tubing Volume Reduction &amp; Loading</b>							
Length per Well (Ft)	100	300	300	450			
Total Quantity (Ft)	42,400	132,900	65,100	90,900			
Cost of Removal (\$/Ft)	\$0.025	\$0.025	\$0.025	\$0.025			
Cost of Removal (\$)	\$0	\$3,323	\$1,628	\$2,273			\$7,223
Average OD (Inches)	3.0	3.0	3.0	3.0			
Chipped Volume Reduction (Ft³/Ft)	0.016	0.016	0.016	0.016			
Chipped Volume (Ft³)	678	2,126	1,042	1,454			

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	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
<b>WELLFIELD EQUIPMENT REMOVAL &amp; DISPOSAL</b>							
Quantity per Truckload (Ft³)	540	540	540	540			
Number of Truck Loads	1.3	3.9	1.9	2.7			
<b>D. Transport &amp; Disposal</b>							
1.) Landfill							
a. Transportation							
Percent To Be Shipped (Pumps)	50.0%	50.0%	50.0%	50.0%			
Loads To Be Shipped	0.0	1.3	0.6	0.6			
Transportation Cost per Load	\$160	\$160	\$160	\$160			
Transportation Cost (\$)	\$0	\$208	\$96	\$96			\$400
b. Disposal							
Disposal Fee Per Yd³	\$12.00	\$12.00	\$12.00	\$12.00			
Yds³ Per Load	20	20	20	20			
Disposal Cost (\$)	\$0	\$312	\$144	\$144			\$600
Total Cost - Landfill	\$0	\$520	\$240	\$240			\$1,000
2.) Licensed Site							
a. Transportation							
Percent To Be Shipped (Pumps)	50.0%	50.0%	50.0%	50.0%			
Percent To Be Shipped (Tubing)	100.0%	100.0%	100.0%	100.0%			
Loads To Be Shipped	1.3	5.2	2.5	3.2			
Transportation Cost per Load	\$1,000	\$1,000	\$1,000	\$1,000			
Transportation Cost (\$)	\$1,256	\$5,188	\$2,529	\$3,243			\$12,216
b. Disposal							
Disposal Cost Per Ft³	\$11.00	\$11.00	\$11.00	\$11.00			
Disposal Fee Per Yd³	\$297.00	\$297.00	\$297.00	\$297.00			
Quantity Per Truck Load (Yds³)	20	20	20	20			
Disposal Cost (\$)	\$7,462	\$30,815	\$15,022	\$19,265			\$72,565
Total Cost - Licensed Site	\$8,719	\$36,003	\$17,550	\$22,509			\$84,781
Total Cost - Transport & Disposal	\$8,719	\$36,523	\$17,790	\$22,749			\$85,781
Total Cost - Pump Removal & Disposal	\$8,719	\$50,379	\$24,561	\$29,827	\$0	\$0	\$113,486
<b>III Surface Trunkline Piping</b>							
<b>A. Removal</b>							
Total Quantity (Ft)	44700	0	0	0	0	0	
Cost of Removal (\$/Ft)	\$0.146	\$0.146	\$0.146	\$0.146	\$0.146	\$0.146	
Cost of Removal (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Average OD (Inches)	8.750	8.750	0.000	0.000	0.000	0.000	
Chipped Volume Reduction (Ft³/Ft)	0.088	0.088	0.088	0.088	0.088	0.088	
Chipped Volume (Ft³)	3934	0	0	0	0	0	
Quantity Per Truck Load (Ft³)	540	540	540	540	0	0	
Total Number of Truck Loads	7.3	0.0	0.0	0.0	0.0	0.0	
<b>B. Survey &amp; Decontamination</b>							
Percent Requiring Decontamination	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads for Decontamination	0.0	0.0	0.0	0.0	0.0	0.0	
Cost for Decontamination (\$/Load)	\$435.00	\$435.00	\$435.00	\$435.00	\$0.00	\$0.00	
Cost for Decontamination (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>C. Transport &amp; Disposal</b>							
1.) Landfill							
a. Transportation							
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads To Be Shipped	0.0	0.0	0.0	0.0	0.0	0.0	
Transportation Cost per Load	\$160	\$160	\$160	\$160	\$0	\$0	
Transportation Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b. Disposal							
Disposal Fee Per Yd³	\$12.00	\$12.00	\$12.00	\$12.00	\$0.00	\$0.00	
Yds³ Per Load	20	20	20	20	0	0	
Disposal Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cost - Landfill	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.) Licensed Site							
a. Transportation							
Percent To Be Shipped	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Loads To Be Shipped	7.3	0.0	0.0	0.0	0.0	0.0	
Transportation Cost per Load	\$1,000	\$1,000	\$1,000	\$1,000	\$0	\$0	
Transportation Cost (\$)	\$7,284	\$0	\$0	\$0	\$0	\$0	\$7,284
b. Disposal							
Disposal Cost Per Ft³	\$11.00	\$11.00	\$11.00	\$11.00	\$0.00	\$0.00	
Disposal Fee Per Yd³	\$297.00	\$297.00	\$297.00	\$297.00	\$0.00	\$0.00	

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	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
<b>WELLFIELD EQUIPMENT REMOVAL &amp; DISPOSAL</b>							
Quantity Per Truck Load (Yds <sup>3</sup> )	20	20	20	20	0	0	
Disposal Cost (\$)	\$43,270	\$0	\$0	\$0	\$0	\$0	\$43,270
Total Cost - Licensed Site	\$50,554	\$0	\$0	\$0	\$0	\$0	\$50,554
Total Cost - Transport & Disposal	\$50,554	\$0	\$0	\$0	\$0	\$0	\$50,554
Total Cost - Surface Trunkline Removal & Disposal	\$50,554	\$0	\$0	\$0	\$0	\$0	\$50,554
<b>IV Buried Trunkline</b>							
<b>A. Removal</b>							
Total Quantity (Ft)	7300	11565	24500	47000	0	0	
Cost of Removal (\$/Ft)	\$3.12	\$3.12	\$3.12	\$3.12	\$3.12	\$3.12	
Cost of Removal (\$)	\$22,776	\$36,083	\$76,440	\$146,640	\$0	\$0	\$281,939
Average OD (Inches)	8.750	8.750	8.750	12.000	12.000	12.000	
Chipped Volume Reduction (Ft <sup>3</sup> /Ft)	0.088	0.088	0.088	0.130	0.130	0.130	
Chipped Volume (Ft <sup>3</sup> )	642	1018	2156	6110	0	0	
Quantity Per Truck Load (Ft <sup>3</sup> )	540	540	540	540	0	0	
Number of Truck Loads	1.2	1.9	4.0	11.3	0.0	0.0	
<b>B. Survey &amp; Decontamination</b>							
Percent Requiring Decontamination	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads for Decontamination	0.0	0.0	0.0	0.0	0.0	0.0	
Cost for Decontamination. (\$/Load)	\$435.00	\$435.00	\$435.00	\$435.00	\$0.00	\$0.00	
Cost for Decontamination. (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>C. Transport &amp; Disposal</b>							
<b>1.) Landfill</b>							
<b>a. Transportation</b>							
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads To Be Shipped	0.0	0.0	0.0	0.0	0.0	0.0	
Transportation Cost per Load	\$160	\$160	\$160	\$160	\$0	\$0	
Transportation Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>b. Disposal</b>							
Disposal Fee Per Yd <sup>3</sup>	\$12.00	\$12.00	\$12.00	\$12.00	\$0.00	\$0.00	
Yds <sup>3</sup> Per Load	20	20	20	20	0	0	
Disposal Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cost - Landfill	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>2.) Licensed Site</b>							
<b>a. Transportation</b>							
Percent To Be Shipped	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Loads To Be Shipped	1.2	1.9	4.0	11.3	0.0	0.0	
Transportation Cost per Load	\$1,000	\$1,000	\$1,000	\$1,000	\$0	\$0	
Transportation Cost (\$)	\$1,200	\$1,900	\$4,000	\$11,300	\$0	\$0	\$18,400
<b>b. Disposal</b>							
Disposal Cost Per Ft <sup>3</sup>	\$11.00	\$11.00	\$11.00	\$11.00	\$0.00	\$0.00	
Disposal Fee Per Yd <sup>3</sup>	\$297.00	\$297.00	\$297.00	\$297.00	\$0.00	\$0.00	
Quantity Per Truck Load (Yds <sup>3</sup> )	20	20	20	20	0	0	
Disposal Cost (\$)	\$7,128	\$11,286	\$23,760	\$67,122	\$0	\$0	\$109,296
Total Cost - Licensed Site	\$8,328	\$13,186	\$27,760	\$78,422	\$0	\$0	\$127,696
Total Cost - Transport & Disposal	\$8,328	\$13,186	\$27,760	\$78,422	\$0	\$0	\$127,696
Total Cost - Buried Trunkline Removal & Disposal	\$31,104	\$49,269	\$104,200	\$225,062	\$0	\$0	\$409,635
<b>V Manholes</b>							
<b>A. Removal</b>							
Total Quantity	5	8	5	11	0	0	
Cost of Removal (\$ Each)	\$117.00	\$117.00	\$117.00	\$117.00	\$117.00	\$117.00	
Cost of Removal (\$)	\$585	\$936	\$585	\$1,287	\$0	\$0	\$3,393
Quantity Per Truck Load	10	10	10	10	10	10	
Number of Truck Loads	0.5	0.8	0.5	1.1	0.0	0.0	
<b>B. Survey &amp; Decontamination</b>							
Percent Requiring Decontamination	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads for Decontamination	0.0	0.0	0.0	0.0	0.0	0.0	
Cost for Decontamination (\$/Load)	\$435.00	\$435.00	\$435.00	\$435.00	\$0.00	\$0.00	
Cost for Decontamination (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>C. Transport &amp; Disposal</b>							
<b>1.) Landfill</b>							
<b>a. Transportation</b>							
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads To Be Shipped	0.0	0.0	0.0	0.0	0.0	0.0	
Transportation Cost per Load	\$160	\$160	\$160	\$160	\$0	\$0	



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WELLFIELD EQUIPMENT REMOVAL & DISPOSAL

	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
Transportation Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b. Disposal							
Disposal Fee Per Yd <sup>3</sup> (\$)	\$12.00	\$12.00	\$12.00	\$12.00	\$0.00	\$0.00	
Yds <sup>3</sup> Per Load	20	20	20	20	0	0	
Disposal Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cost - Landfill	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.) Licensed Site							
a. Transportation							
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads To Be Shipped	0.0	0.0	0.0	0.0	0.0	0.0	
Transportation Cost per Load	\$1,000	\$1,000	\$1,000	\$1,000	\$0	\$0	
Transportation Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b. Disposal							
Disposal Cost Per Ft <sup>3</sup>	\$11.00	\$11.00	\$11.00	\$11.00	\$0.00	\$0.00	
Disposal Fee Per Yd <sup>3</sup>	\$297.00	\$297.00	\$297.00	\$297.00	\$0.00	\$0.00	
Quantity Per Truck Load (Yds <sup>3</sup> )	20	20	20	20	0	0	
Disposal Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cost - Licensed Site	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cost - Transport & Disposal	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cost Manhole Removal & Disposal	\$585	\$936	\$585	\$1,287	\$0	\$0	\$3,393
TOTAL COST - WELLFIELD EQUIP REMOVAL & DISP	\$115,614	\$225,610	\$189,819	\$310,964	\$0	\$0	\$842,007

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TOPSOIL REPLACEMENT & REVEGETATION

	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
<b>I Process Plant and Office Building</b>							
A. Topsoil Handling & Grading							
Affected Area (Acres)	5.0	2.5	0.0	0.0	0.0	0.0	
Average Affected Thickness (Ins)	12.0	12.0	0.0	0.0	0.0	0.0	
Topsoil Volume (Yds³)	8067	4033	0	0	0	0	
Unit Cost - Haul/Place (\$/Yd³)	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	
Topsoil Handling Cost (\$)	\$16,133	\$8,067	\$0	\$0	\$0	\$0	
Unit Cost - Grading (\$/Ac)	\$38.45	\$38.45	\$38.45	\$38.45	\$38.45	\$38.45	
Grading Cost (\$)	\$192	\$96	\$0	\$0	\$0	\$0	
Sub Total - Topsoil	\$16,326	\$8,163	\$0	\$0	\$0	\$0	\$24,488
B. Radiation Survey & Soil Analysis							
Unit Cost (\$/Ac)	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	
Sub Total - Survey & Analysis	\$2,600	\$1,300	\$0	\$0	\$0	\$0	\$3,900
C. Revegetation							
Fertilizer (\$/Ac)	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	
Seeding Prep & Seeding (\$/Ac)	\$168.68	\$168.68	\$168.68	\$168.68	\$168.68	\$168.68	
Mulching & Crimping (\$/Ac)	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	
Sub Total Cost/Acre	\$491.71	\$491.71	\$491.71	\$491.71	\$491.71	\$491.71	
Sub Total - Revegetation	\$2,459	\$1,229	\$0	\$0	\$0	\$0	\$3,688
Sub Total - Process Plant and Office Bldg.	\$21,384	\$10,692	\$0	\$0	\$0	\$0	\$32,076
<b>II Ponds</b>							
A. Topsoil Handling & Grading							
Affected Area (Acres)	20.0	12.0	0.0	0.0	0.0	0.0	
Average Affected Thickness (Ins)	12	12	0	0	0	0	
Topsoil Volume (Yds³)	32267	19360	0	0	0	0	
Unit Cost - Haul/Place (\$/Yd³)	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	
Topsoil Handling Cost (\$)	\$64,533	\$38,720	\$0	\$0	\$0	\$0	
Unit Cost - Grading (\$/Ac)	\$38.45	\$38.45	\$38.45	\$38.45	\$38.45	\$38.45	
Grading Cost (\$)	\$769	\$461	\$0	\$0	\$0	\$0	
Sub Total - Topsoil	\$65,302	\$39,181	\$0	\$0	\$0	\$0	\$104,484
B. Radiation Survey & Soil Analysis							
Unit Cost (\$/Ac)	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	
Sub Total - Survey & Analysis	\$10,400	\$6,240	\$0	\$0	\$0	\$0	\$16,640
C. Revegetation							
Fertilizer (\$/Ac)	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	
Seeding Prep & Seeding (\$/Ac)	\$168.68	\$168.68	\$168.68	\$168.68	\$168.68	\$168.68	
Mulching & Crimping (\$/Ac)	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	
Sub Total Cost/Acre	\$491.71	\$491.71	\$491.71	\$491.71	\$491.71	\$491.71	
Sub Total - Revegetation	\$9,834	\$5,901	\$0	\$0	\$0	\$0	\$15,735
Sub Total - Ponds	\$85,537	\$51,322	\$0	\$0	\$0	\$0	\$136,858
<b>III Wellfields</b>							
A. Topsoil Handling & Grading							
Affected Area (Acres)	40.0	55.0	30.0	50.0	35.0	40.0	
Average Affected Thickness (Ins)	3.5	0.0	0.0	0.0	0.0	0.0	
Topsoil Volume (Yds³)	18822	0	0	0	0	0	
Unit Cost - Haul/Place (\$/Yd³)	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	
Topsoil Handling Cost (\$)	\$37,644	\$0	\$0	\$0	\$0	\$0	
Unit Cost - Grading (\$/Ac)	\$38.45	\$38.45	\$38.45	\$38.45	\$38.45	\$0.00	
Grading Cost (\$)	\$1,538	\$2,115	\$1,154	\$1,923	\$1,346	\$0	
Sub Total - Topsoil	\$39,182	\$2,115	\$1,154	\$1,923	\$1,346	\$0	\$45,719
B. Radiation Survey & Soil Analysis							
Unit Cost (\$/Ac)	\$520.00	\$520.00	\$520.00	\$520.00	\$0.00	\$0.00	
Sub Total - Survey & Analysis	\$20,800	\$28,600	\$15,600	\$26,000	\$0	\$0	\$91,000
C. Spill Cleanup							
Affected Area (Acres)		0.036	0	0	0	0	
Affected Area (ft²)		1,568	0	0	0	0	
Average Affected Thickness (ft)		0.25	0	0	0	0	
Affected Volume (ft³)		392	0	0	0	0	
Quantity per Truckload (ft³)		540	540	540	540	540	
Quantity to be Shipped (Loads)		0.7	0.0	0.0	0.0	0.0	
Transportation Cost per Load		\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	
Transportation Cost (\$)		\$726	\$0	\$0	\$0	\$0	
Handling Cost (\$240/load)		\$174	\$0	\$0	\$0	\$0	
Disposal Fee per Cubic Foot (\$)		\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	
Disposal Cost (\$)		\$1,450	\$0	\$0	\$0	\$0	

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	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
<b>TOPSOIL REPLACEMENT &amp; REVEGETATION</b>							
Sub Total - Spill Cleanup	\$0	\$2,351	\$0	\$0	\$0	\$0	\$2,351
D. Revegetation							
Fertilizer (\$/Ac)	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	
Seeding Prep & Seeding (\$/Ac)	\$168.68	\$168.68	\$168.68	\$168.68	\$168.68	\$168.68	
Mulching & Crimping (\$/Ac)	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	
Sub Total Cost/Acre	\$491.71	\$491.71	\$491.71	\$491.71	\$491.71	\$491.71	
Sub Total - Revegetation	\$19,668	\$27,044	\$14,751	\$24,586	\$17,210	\$19,668	\$122,928
Sub Total - Wellfields (\$)	\$79,651	\$60,109	\$31,505	\$52,508	\$18,556	\$19,688	\$261,997
<b>IV Roads</b>							
A. Topsoil Handling & Grading							
Affected Area (Acres)	25.0	20.0	15.0	21.0	0.0	0.0	
Average Affected Thickness (Ins)	12	12	12	12	12	12	
Topsoil Volume (Yds³)	40333	32267	24200	33880	0	0	
Unit Cost - Haul/Place (\$/Yd³)	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	
Topsoil Handling Cost (\$)	\$80,667	\$64,533	\$48,400	\$67,760	\$0	\$0	
Unit Cost - Grading (\$/Ac)	\$38.45	\$38.45	\$38.45	\$38.45	\$38.45	\$38.45	
Grading Cost (\$)	\$961	\$769	\$577	\$807	\$0	\$0	
Sub Total - Topsoil	\$81,628	\$65,302	\$48,977	\$68,567	\$0	\$0	\$264,474
B. Radiation Survey & Soil Analysis							
Unit Cost (\$/Ac)	\$520.00	\$520.00	\$520.00	\$520.00	\$0.00	\$0.00	
Sub Total - Survey & Analysis	\$13,000	\$10,400	\$7,800	\$10,920	\$0	\$0	\$42,120
C. Revegetation							
Fertilizer (\$/Ac)	\$46.49	\$46.49	\$46.49	\$46.49			
Seeding Prep & Seeding (\$/Ac)	\$168.68	\$168.68	\$168.68	\$168.68			
Mulching & Crimping (\$/Ac)	\$276.54	\$276.54	\$276.54	\$276.54			
Sub Total Cost/Acre	\$491.71	\$491.71	\$491.71	\$491.71			
Sub Total - Revegetation	\$12,293	\$9,834	\$7,376	\$10,326	\$0	\$0	\$39,829
Sub Total - Roads (\$)	\$106,921	\$85,537	\$64,152	\$89,813	\$0	\$0	\$346,423
<b>V Other</b>							
A. Topsoil Handling & Grading							
Affected Area (Acres)	41.0	19.0	5.0	5.0	0.0	0.0	
Average Affected Thickness (Ins)	0.0	0.0	0	0	0	0	
Topsoil Volume (Yds³)	0	0	0	0	0	0	
Unit Cost - Haul/Place (\$/Yd³)	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	
Topsoil Handling Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	
Unit Cost - Grading (\$/Ac)	\$38.45	\$38.45	\$38.45	\$38.45	\$38.45	\$0.00	
Grading Cost (\$)	\$1,576	\$731	\$192	\$192	\$0	\$0	
Sub Total - Topsoil	\$1,576	\$731	\$192	\$192	\$0	\$0	\$2,692
B. Radiation Survey & Soil Analysis							
Unit Cost (\$/Ac)	\$520.00	\$520.00	\$520.00	\$520.00	\$0.00	\$0.00	
Sub Total - Survey & Analysis	\$21,320	\$9,880	\$2,600	\$2,600	\$0	\$0	\$36,400
C. Revegetation							
Fertilizer (\$/Ac)	\$46.49	\$46.49	\$46.49	\$46.49	\$0.00	\$0.00	
Seeding Prep & Seeding (\$/Ac)	\$168.68	\$168.68	\$168.68	\$168.68	\$0.00	\$0.00	
Mulching & Crimping (\$/Ac)	\$276.54	\$276.54	\$276.54	\$276.54	\$0.00	\$0.00	
Sub Total Cost/Acre	\$491.71	\$491.71	\$491.71	\$491.71	\$0.00	\$0.00	
Sub Total - Revegetation	\$20,160	\$9,342	\$2,459	\$2,459	\$0	\$0	\$34,420
Sub Total - Other	\$43,057	\$19,953	\$5,251	\$5,251	\$0	\$0	\$73,511
<b>VI Remedial Action</b>							
A. Topsoil Handling & Grading							
Affected Area (Acres)	65.5	54.3	25.0	38.0	17.5	20.0	
Average Affected Thickness (Ins)	0.0	0.0	0.0	0.0	0.0	0.0	
Topsoil Volume (Yds³)	0	0	0	0	0	0	
Unit Cost - Haul/Place (\$/Yd³)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Topsoil Handling Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	
Unit Cost - Grading (\$/Ac)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Grading Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	
Sub Total - Topsoil	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B. Radiation Survey & Soil Analysis							
Unit Cost (\$/Ac)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Sub Total - Survey & Analysis	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Revegetation							
Fertilizer (\$/Ac)	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	
Seeding Prep & Seeding (\$/Ac)	\$168.68	\$168.68	\$168.68	\$168.68	\$0.00	\$0.00	
Mulching & Crimping (\$/Ac)	\$276.54	\$276.54	\$276.54	\$276.54	\$0.00	\$0.00	
Sub Total Cost/Acre	\$491.71	\$491.71	\$491.71	\$491.71	\$46.49	\$46.49	

COGEMA Mining, Inc.  
 2007 Restoration and Reclamation Costs  
 Wyoming Operations  
 WORKSHEET 7

TOPSOIL REPLACEMENT & REVEGETATION	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
Sub Total - Revegation	\$32,207	\$26,675	\$12,293	\$18,685	\$814	\$930	\$91,603
Sub Total - Remedial Action	\$32,207	\$26,675	\$12,293	\$18,685	\$814	\$930	\$91,603
<b>TOTAL COST - TOPSOIL &amp; REVEGETATION</b>	<b>\$368,756</b>	<b>\$254,288</b>	<b>\$113,201</b>	<b>\$166,257</b>	<b>\$19,369</b>	<b>\$20,598</b>	<b>\$942,469</b>

COGEMA Mining, Inc.  
2007 Restoration and Reclamation Costs  
Wyoming Operations  
WORKSHEET 8

MISCELLANEOUS RECLAMATION

	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Total Christensen & Irigaray
<b>I Fence Removal &amp; Disposal</b>							
Quantity (Feet)	15240	35260	20000	9000	0	0	
Cost of Removal/Disposal (\$/Ft)	\$0.68	\$0.68	\$0.68	\$0.68	\$0.68	\$0.68	
Cost of Removal/Disposal (\$)	\$10,363	\$23,977	\$13,600	\$6,120	\$0	\$0	\$54,060
<b>II Powerline Removal &amp; Disposal</b>							
Quantity (Feet)	9450	10565	18000	18000	0	0	
Cost of Removal/Disposal (\$/Ft)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Cost of Removal/Disposal (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>III Powerpole Removal &amp; Disposal</b>							
Quantity	25	30	60	60	0	0	
Cost of Removal/Disposal (\$/Each)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Cost of Removal/Disposal (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>IV Transformer Removal &amp; Disposal</b>							
Quantity	0	1	0	18	3	0	
Cost of Removal/Disposal (\$/Each)	\$2,525	\$2,525	\$2,525	\$619	\$619	\$619	
Cost of Removal/Disposal (\$)	\$0	\$2,525	\$0	\$11,142	\$1,857	\$0	\$15,524
<b>V Booster Pump Assembly Removal &amp; Disposal</b>							
Quantity	0	6	5	5	0	0	
Cost of Removal/Disposal (\$/Each)	\$248	\$248	\$248	\$248	\$248	\$248	
Cost of Removal/Disposal (\$)	\$0	\$1,488	\$1,240	\$1,240	\$0	\$0	\$3,968
<b>VI Culvert Removal &amp; Disposal</b>							
Quantity (Feet)	150	1200	1000	1000	0	0	
Cost of Removal/Disposal (\$/Ft)	\$3.48	\$3.48	\$3.48	\$3.48	\$3.48	\$3.48	
Cost of Removal/Disposal (\$)	\$522	\$4,176	\$3,480	\$3,480	\$0	\$0	\$11,658
<b>VII Guardrail Removal</b>							
Quantity (Feet)	200	3000	0	0	0	0	
Cost of Removal/Disposal (\$/Ft)	\$6.44	\$6.44	\$6.44	\$6.44	\$6.44	\$6.44	
Cost of Removal/Disposal (\$)	\$1,288	\$19,320	\$0	\$0	\$0	\$0	\$20,608
<b>VIII Low Water Stream Crossing</b>							
Quantity	0	1	1	0	0	0	
Cost of Removal/Disposal (\$/Each)	\$4,500	\$4,500	\$4,500	\$4,500	\$4,500	\$4,500	
Cost of Removal/Disposal (\$)	\$0	\$4,500	\$4,500	\$0	\$0	\$0	\$9,000
<b>IX Utilities Cost</b>							
Quantity (Mos)	0	8	4	4	4	0	
Cost Per Month (\$/Month)	\$65	\$65	\$65	\$65	\$65	\$65	
Total Cost (\$)	\$0	\$520	\$260	\$260	\$260	\$0	\$1,300
<b>TOTAL MISCELLANEOUS COST</b>	<b>\$12,173</b>	<b>\$56,506</b>	<b>\$23,080</b>	<b>\$22,242</b>	<b>\$2,117</b>	<b>\$0</b>	<b>\$116,118</b>

## **APPENDIX 4**

### **General Location & Environmental Monitoring Location Map**

**THIS PAGE IS AN  
OVERSIZED DRAWING OR  
FIGURE,  
THAT CAN BE VIEWED AT THE  
RECORD TITLED:  
“GENERAL LOCATION MAP  
PRODUCTION UNITS 1 THROUGH 9  
PERMIT TO MINE # 478”**

**WITHIN THIS PACKAGE...**

**D-01**

**THIS PAGE IS AN  
OVERSIZED DRAWING OR  
FIGURE,  
THAT CAN BE VIEWED AT THE  
RECORD TITLED:  
“AREA FACILITIES LOCATION MAP  
PERMIT TO MINE # 478”**

**WITHIN THIS PACKAGE...**

**D-02**



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OVERSIZED DRAWING OR  
FIGURE,**

**THAT CAN BE VIEWED AT THE  
RECORD TITLED:  
FIGURE NO.: 5.5, “IRIGARAY AND  
CHRISTENSEN RANCH  
ENVIRONMENTAL MONITORING  
STATION LOCATION”**

**WITHIN THIS PACKAGE... OR,  
BY SEARCHING USING THE  
DOCUMENT/REPORT  
DRAWING NO. 5.5**

**D-03**

## **APPENDIX 5**

### **Groundwater Restoration Maps**

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OVERSIZED DRAWING OR  
FIGURE,  
THAT CAN BE VIEWED AT THE  
RECORD TITLED:  
“RESTORATION LOCATION MAP  
PRODUCTION UNITS 1 THROUGH 9  
PERMIT TO MINE # 478”**

**WITHIN THIS PACKAGE...**

**D-04**

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FIGURE,  
THAT CAN BE VIEWED AT THE  
RECORD TITLED:  
“RESTORATION LOCATION MAP OF  
MINE UNITS 2 THROUGH 6 PERMIT  
TO MINE # 478”**

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**D-05**

## **APPENDIX 6**

### **Piezometric Contour Maps**

**THIS PAGE IS AN  
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FIGURE,  
THAT CAN BE VIEWED AT THE  
RECORD TITLED:  
“ORE ZONE PIEZOMETRIC MAP  
MINE UNITS 2 THRU 6, PERMIT TO  
MINE # 478, PIEZOMETRIC LEVELS  
TAKE JUNE 2007”**

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RECORD TITLED:  
“SHALLOW ZONE PIEZOMETRIC MAP  
MINE UNITS 2 THRU 6, PERMIT TO  
MINE # 478, PIEZOMETRIC LEVELS  
TAKE JUNE 2007”**

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THAT CAN BE VIEWED AT THE  
RECORD TITLED:  
“DEEP ZONE PIEZOMETRIC MAP  
MINE UNITS 2 THRU 6, PERMIT TO  
MINE # 478, PIEZOMETRIC LEVELS  
TAKE JUNE 2007”**

**WITHIN THIS PACKAGE...**

**D-08**