

Quarterly Performance Report
Perchlorate Recovery System
Kerr-McGee Chemical LLC, Henderson, Nevada

January – March 2005

Document No. 04020-023

April 2005

Submitted in Accordance with:

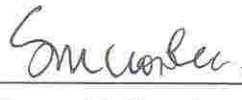
Administrative Order
On Consent
October 8, 2001

Prepared by:


ENSR International, Inc.
1220 Avenida Acaso
Camarillo, California 93012

**Quarterly Performance Report
Perchlorate Recovery System
Kerry-McGee Chemical LLC
Henderson, Nevada**

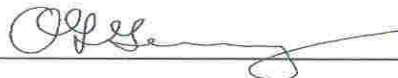
The undersigned hereby certify that they are responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge, comply with all applicable federal, state and local statutes, regulations and ordinances.



Susan M. Crowley, CEM 1428
Staff Environmental Specialist
Kerr-McGee Chemical LLC



Edward J. Krish
Senior Technical Specialist, ENSR



David L. Gerry, CEM 1524
Senior Program Manager, ENSR

TABLE OF CONTENTS

		Page
1.0	INTRODUCTION.....	1-1
2.0	ON-SITE WELL FIELD.....	2-1
3.0	ATHENS ROAD WELL FIELD AND PIEZOMETER WELLS.....	3-1
4.0	SEEP AREA WELL FIELD AND SEEP SURFACE FLOW CAPTURE.....	4-1
5.0	CONCLUSIONS.....	5-1
6.0	PROPOSED FUTURE ACTIVITIES.....	6-1

APPENDICES

A -- GROUNDWATER ELEVATIONS OF SELECTED ON-SITE WELLS

B -- GROUNDWATER ELEVATIONS OF SELECTED OFF-SITE WELLS

LIST OF TABLES

Table 1	Perchlorate (mg/l) li Selected On-Site Wells Near the Interceptor Well Field
Table 2	Perchlorate (mg/l) in Selected Off-Site Monitor Wells
Table 3	Perchlorate Removed from the Environment, Henderson, Nevada
Table 4	Pumping Rates from the Athens Road Well Field

LIST OF FIGURES

Figure 1	Location Map
Figure 2	Interceptor Well Field – Potentiometric Surface Map: February 2005
Figure 3	Interceptor Well Field – Perchlorate in Groundwater, February 2005
Figure 4	Perchlorate Removed from the Environment: January – March 2005
Figure 5	Interceptor Well Field Section Graph
Figure 6	Athens Road Well Field: Perchlorate Concentrations
Figure 7	Athens Road Well Field Section Graph
Figure 8	Athens Road Well Field Drawdown
Figure 9	Athens Road Piezometer Wells: Perchlorate Concentrations
Figure 10	Athens Road Piezometer Well Line Section Graph
Figure 11	COHWRF Well Line: Perchlorate Concentrations
Figure 12	COHWRF Well Line Section Graph

Figure 13	PC-98R: Depth to Water
Figure 14	Lower Ponds Traverse: Perchlorate Concentrations
Figure 15	Lower Ponds Section Graph
Figure 16	Seep Well Field: Perchlorate Concentrations
Figure 17	Seep Well Field Section Graph
Figure 18	Seep Stream Flow vs. Perchlorate Concentration

LIST OF PLATES

Plate 1	Potentiometric Surface Between the Athens Road Well Field and the Seep, February 7, 2005
Plate 2	Perchlorate in Groundwater Between the Athens Road Well Field and the Seep, February 7, 2005
Plate 3	Potentiometric Surface at the Athens Road Well Field, February 7, 2005
Plate 4	Net Drawdown at the Athens Road Well Field, April 30, 2002 to February 7, 2005
Plate 5	Hydrogeologic Cross Section, Athens Road Traverse

1.0 INTRODUCTION

In accordance with the Administrative Order on Consent for cleanup of perchlorate impacted groundwater in the Henderson area, finalized October 8, 2001, Kerr-McGee Chemical LLC (KMCLLC) submits this quarterly performance report to the Nevada Division of Environmental Protection (NDEP).

This report, covering the period January through March 2005, summarizes performance data for the perchlorate recovery system – consisting of the on-site well field, the off-site Athens Road well field, the off-site Seep well field and the off-site Seep area surface flow capture sump - and evaluates the effectiveness of the groundwater recovery system installed to carry out the perchlorate recovery program. In addition, information is provided on the status of the treatment technologies used for perchlorate removal from the water collected.

The locations of the components of this system are shown on Figure 1. The performance of each component will be discussed separately starting with the on-site well field and proceeding northward. In the last three months since January 2005, a total of about 171,740 pounds of perchlorate have been removed from the environment with the overall system. For the first quarter of 2005 the total pounds of perchlorate captured amounted to about 1,908 pounds per day. Of this total, about 86,200 pounds came from the on-site well field, about 72,400 pounds came from the Athens Road well field, about 10,710 pounds came from the Seep area well field and 2,430 pounds came from the Seep surface flow capture sump. Figure 4 shows the first quarter 2005 monthly perchlorate recovery totals and the relative significance of each of the four components, whereas Table 3 shows the daily perchlorate recovery averages.

2.0 ON-SITE WELL FIELD

Figure 2 shows the locations of the groundwater interceptor wells, monitor wells, the groundwater barrier (bentonite slurry) wall and the groundwater recharge trenches. Appendix A of this report lists monthly groundwater elevations recorded since January 1998 in these wells. Groundwater elevation data mapped on Figure 2 were recorded in February 2005.

Figure 2 shows the February 2005 potentiometric surface in the on-site interception area. As shown, the map for the first quarter reporting period reflects areas of drawdown associated with the interceptor wells along with a marked elevation difference of the water table on either side of the groundwater barrier (slurry) wall. The groundwater "mound" on the downgradient side of the barrier wall in the vicinity of wells M-80, M-81A, M-70 M-71 and M-72 represents the area of fresh water entry from the recharge trenches shown on Figure 2.

Table 1 lists perchlorate concentrations from August 2004, November 2004 and February 2005, for wells in the vicinity of the on-site well field. The *Perchlorate in Groundwater* map, Figure 3, shows the contoured data from February 2005. This mapping shows that the slurry wall has cut off the downgradient movement of groundwater containing high perchlorate concentrations. In the vicinity of the downgradient recharge trenches concentrations down to 15 mg/l range have been mapped and between the trenches and the barrier wall the stagnant zone of relatively high perchlorate concentrations - in wells M-70, 71 and 72 - is slowly decreasing in some wells.

Figure 5 shows in graph form, an east-west cross-section across the on-site well field, onto which is plotted the perchlorate concentrations for the interceptor wells listed on Table 1. The most recent data from February 2005 show that the concentrations in most recovery wells are almost all lower than in either August or November 2004.

3.0 ATHENS ROAD WELL FIELD AND PIEZOMETER WELLS

The Athens Road well field was completed in March 2002 and groundwater collection in this area began shortly afterward. Continuous pumping from this well field began in mid-October 2002. Figure 1 and Plates 1, 2, 3 and 4 show the location of the Athens Road Well Field. Recent mapping of the February 2005 groundwater levels is shown on Plate 1, the *Potentiometric Surface between the Athens Road Well Field and the Seep*. The potentiometric surface slopes generally north-northeastward. The recovery wells that comprise the well field are all twinned with nearby duplicate "Buddy Wells" (ART-A series) installed as back-up wells in case of a pumping-well shut down. Table 4 shows, that as of February 7, 2005, the pumping ART wells are ART-1, 2, 3, 4, 6, 7 and 8.

Plate 3, the *Potentiometric Surface at the Athens Road Well Field* contains water level contours at one-foot intervals. Distinct cones of depression have developed beneath the well field. Note that south of the Athens Road well field the hydraulic gradient is steep and flattens significantly north of the well field. This flattening is due to the normal infiltration of COHWRF RIB-water (about one million gpd) and the large intermittent infiltration in the southeasternmost RIBs (tens of millions gpd). Because the alluvium beneath the COHWRF RIBs is so porous it can accommodate most of this recharge so that the result is an extremely flattened gradient and not a "mound" with flow reversals back toward the well field; although this may occur sporadically. This flattening complicates the groundwater flow pattern making it difficult to predict when the groundwater plume between the Athens Road and Seep well fields will clean up.

The cones of depression are subtle at Athens Road - even at the one-foot contour interval - and are better represented by mapping the net drawdown. Plate 4, the *Net Drawdown at the Athens Road Well Field* shows that since April 2002 portions of the well field have been dewatered up to 8.8 feet. Plate 4 also shows that the two-foot drawdown contour currently is about 2100 feet wide, extending about 350 feet past ART-1 on the west and about 750 feet past ART-7 on the east. Since November water levels have increased one to two feet due to recent significant ongoing rain events. With the approach of summer the water table is expected to decrease.

The *Perchlorate in Groundwater Map between the Athens Road Well Field and the Seep*, Plate 2, shows that perchlorate concentrations north of Athens Road continue to decrease toward the Seep well field. The map shows that north of the Athens Road piezometer wells, the highest perchlorate concentration recorded in February 2005 was 27 mg/l in the Seep well field. A list of perchlorate concentrations in selected off-site wells is attached as Table 2.

In the Athens Road area, of the eight wells completed to intercept perchlorate in groundwater, only seven have adequate groundwater to pump. As of February 7th, the well field was pumping

at about 252 gpm. Table 4 shows the total and individual flow rates from the pumping wells. The perchlorate concentrations since October 31, 2001 of the ART-series wells are shown in Figure 6. This graph shows that since January 2003 the perchlorate concentrations have basically stabilized with only minor variations. Perchlorate concentrations in ART-2, 3, 4, 6, 7 and 8 are lower over the concentrations in November, 2004. Figure 7, an east-west cross-section graph through the well field, shows that perchlorate concentrations decreased over those recorded in August and November 2004. Note that the perchlorate concentrations on the western (PC-55 and ART-1) and the eastern side of the well field (PC-122) remain very low.

Plate 5, the *Hydrogeologic Cross Section – Athens Road Traverse*, shows hydrologic conditions at the time of groundwater sampling in February 2005 versus May 1998. Compared to 1998, the current zone of high perchlorate concentrations is narrower. Groundwater levels are currently up to 8.8 feet lower than they were in 1998.

Five monitor wells in the well field are equipped with sensors to record continuous water level readings. Figure 8 shows the drawdown associated with pumping the ART wells. Between October 18, 2002 and February 28, 2005 drawdown has been 5.7 ft, 4.0 ft and 3.3 ft in monitor wells PC-18, PC-17 and ART-5, respectively. The graph shows that groundwater levels are currently rising in all wells due to the recent rain events. Water levels should decrease in the near future as summer approaches.

The seven ARP-series wells make up the Athens Road piezometer well line, located about 250 feet north of the Athens Road well field. The perchlorate concentrations of these wells, completed in December 2001, are shown in Figure 9. The western two wells, ARP-1 and 2, and the eastern well, ARP-7, continue to contain very low perchlorate concentrations. ARP-5, which has been slowly rising since about February 2002, has now decreased to 270 mg/l. Since December 2002, ARP-3 and MW-K4 have also declined significantly in concentration. Figure 10, an east-west section graph across the piezometer line, shows that from August 2004 to February 2005 the perchlorate concentration in the piezometer wells have tracked in a narrow band. It will take longer to clean the piezometer line wells because pumping at the Athens Road well field and discharge by COHWRF has flattened the hydraulic gradient in the area of the piezometers.

Intermediate between the Athens Road area and the Seep area are the COHWRF and the Lower Ponds monitor-well lines. Figure 11 shows the perchlorate concentrations in the COHWRF wells from January 2001 to March 2005. As shown, well MW-K5, which has previously been erratic, has become stable since April 2004. The perchlorate concentration in adjacent well PC98R has become stable as well. As of March 2005 MW-K5 and PC-98R contain 25 and 20 mg/L perchlorate, respectively. Concentrations are slowly continuing downward, subject to minor fluctuations. Figure 12, the east-west section graph, shows that for the last three quarterly reporting periods the perchlorate concentrations in the well line have changed only slightly.

Figure 13, the graph of depth to water in PC98R, shows that since February 2003 the groundwater level has continued to generally decline, but significant groundwater “mounding events” due to increased COHWRF surface water infiltration continue sporadically. An increase in groundwater levels since September to around 18 feet is probable largely due to rain events.

Figure 14, the *Lower Ponds Traverse: Perchlorate Concentrations* graph shows that perchlorate concentrations have not shown much variation since about February 2004. Plate 2, *The Perchlorate in Groundwater Map between the Athens Road Well Field and the Seep*, shows that the width of greater than 10 mg/l has increased since November 2004 probably due to the common winter rain events. On Plate 2, PC-56 contained 27 mg/l perchlorate in February but has decreased to 12 mg/l in March. Figure 15, the *Lower Ponds Section Graph* shows that since August 2004 the perchlorate concentrations in all wells except PC-56 track along a narrow band.

4.0 SEEP AREA WELL FIELD AND SEEP SURFACE FLOW CAPTURE

In February 2003 five additional wells (PC117 to PC121) were completed in the Seep well field (Plates 2 and 3). Now, the Seep well field consists of nine wells – two of which (PC-99R2 and R3) are connected and operate as one – positioned over the deepest part of the alluvium channel that contains the highest concentrations of perchlorate. A tenth well – PC-133 – was recently installed north of PC-91 and will soon begin to collect groundwater. The well field is located about 600 feet upgradient of the seep area surface flow capture sump. Plate 2 and Figure 16 show the regional and detailed depiction of the perchlorate content of the wells, respectively. Recent mapping of the perchlorate concentration contours on Plate 2, and the cone of depression mapped on Plate 1, suggests that the strong pumping of the Seep well field is drawing in water from the Wash to the north. Additional evidence comes in the form of greatly reduced perchlorate and conductivity concentrations in PC-95 and 97, north of the well field. For example, the perchlorate concentration in PC-95 has declined from 67 to 4.0 mg/l since January, 2003 whereas the concentrations in PC-97 have declined from 120 to 8.0 mg/l over the same period. These concentrations are up very slightly since November 2004. This situation will continue to be monitored and may result in a further decrease of the pumping rate.

The perchlorate concentrations in the Seep wells have decreased slightly from the fourth quarter. The February 2005 data plotted in Figures 16 and 17 show that the concentrations in all pumping wells have all dropped to 22 mg/l or less. The highest perchlorate concentration in February 2005 was 27 mg/l in well PC-89. Figure 17, the east-west section graph of the Seep well field, shows that the concentrations for the last three quarterly reporting periods have been fairly similar with concentrations dropping more on the east side of the well field. Data from May 2002 are shown for comparison.

Recent SNWA sampling (January 2005) of six vegetation monitoring wells completed in Las Vegas Wash alluvium shows that all these wells all contain less than 10 mg/l perchlorate and that the perchlorate concentrations are already less than 4 mg/l (1.6 and 3.4 mg/l in wells WMMW6.0N and WMMW6.0S, respectively, within 200 feet of the Pabco Erosion Control Structure. In November 2004 WMMW5.85S contained 0.044 mg/l but was destroyed in recent flooding. As mapped, the 1 mg/l contour is only about 700 feet east of the Pabco structure.

As shown on Figure 18, the seep stream began its seasonal flow in early November. This is earlier than last year and is the result of a wetter than normal fall and early winter. The most recent seep stream water sample from February 28, 2005 contains 22 mg/l perchlorate with a flow of 219 gpm. Recent rain events have contributed to a higher than normal winter-season flow in the seep but should now begin to taper off.

In response to recent NDEP concerns regarding the possibility of uncaptured perchlorate bypassing the eastern side of the Seep well field, one new 4-inch diameter recovery well, PC-133, was installed in the vicinity of PC-91 in mid-December, 2004. Piping to Lift Station 1 has been completed and this well will begin to recover perchlorate as soon as the electrical work is done.

5.0 CONCLUSIONS

Perchlorate continues to be effectively captured by the four components of the remediation program. The on-site well field collection has been in operation many years and has fully matured cones of depression. This coupled with the barrier wall provides efficient capture in this area. Since October 2002 the Athens Road area well field has been in continuous operation and is maturing into an efficient interception line. Based on Modflow particle tracking, the Athens Road well field continues to capture about 97.5 percent of available perchlorate. The Seep well field capture and the seep area surface flow make up the remaining portions of the perchlorate recovery system. The Seep well field is advantageously located over the main part of the alluvium channel and is in close proximity to Las Vegas Wash. Capture in this area makes the most immediate impact on Wash perchlorate concentrations. In all cases, the amount of perchlorate removed at any of the four components depends on a constantly changing perchlorate movement in the groundwater controlled by many factors, some of which are beyond KMCLLC control.

The fluidized bed reactor (FBR) biological treatment system is operating very near its design capacity. The system is producing effluent containing less than 18 ppb perchlorate as required by the NPDES permit.

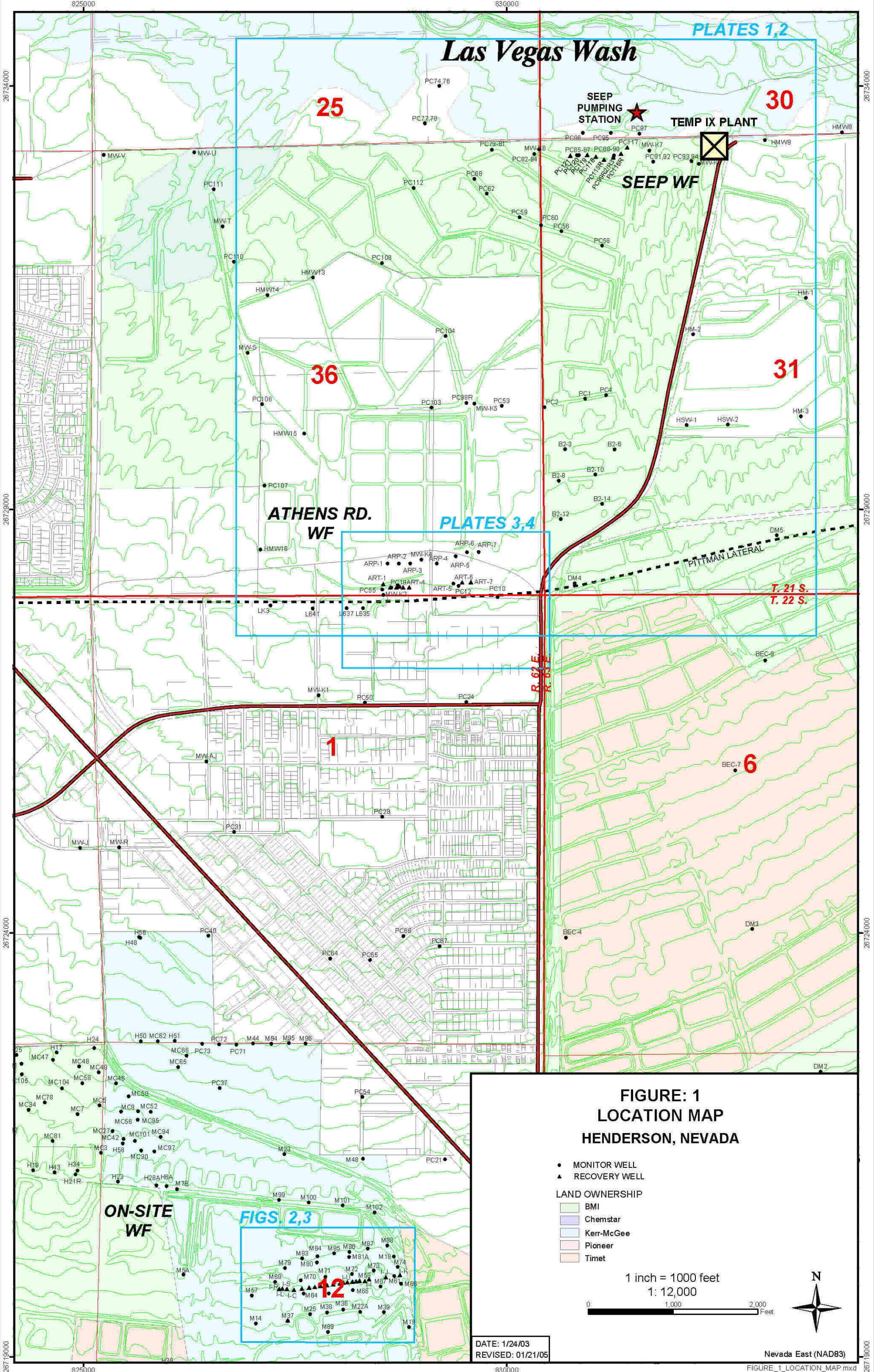
Optimization is still in progress to reduce effluent turbidity. As agreed in the revised Administrative Order on Consent signed in April 2005, Kerr-McGee will design and install equipment to improve effluent clarity. Also, under the agreement, water from the AP-5 pond will be treated to destroy chlorate and perchlorate. The modifications to the FBR system, including installation of an additional FBR are to be completed by August 2006.

Relocation of the effluent outfall line has been completed. As expected, the new 12 inch diameter section has slightly reduced the backpressure in the discharge pipeline.

6.0 PROPOSED FUTURE ACTIVITIES

KMCLLC will continue to record water levels in the AOC area on a quarterly basis. Quarterly potentiometric surface maps will be developed as well as perchlorate in groundwater maps. The effect of changing the pumping rates of the recovery wells will be monitored, and responses (i.e. - pump rate adjustments) will be made to assure optimal drawdown and plume interception at the well fields. Pumping wells will be rehabilitated as necessary. The monitoring plan in current use will be modified as necessary to insure collection of all pertinent data to track the progress of perchlorate capture at the well fields and the seep. The perchlorate concentration in seep area groundwater is continuing to decrease. This may be evidence that we are seeing the front of the "clean line" at the Seep well field. We anticipate that the impact of continued pumping at the Athens Road well field will continue to be observed in the seep area concentrations, modified by discharge activities at COHWRF.

FIGURES



**FIGURE: 1
LOCATION MAP
HENDERSON, NEVADA**

- MONITOR WELL
- ▲ RECOVERY WELL

- LAND OWNERSHIP
- BMI
 - Chemstar
 - Kerr-McGee
 - Pioneer
 - Timet

1 inch = 1000 feet
1: 12,000



DATE: 1/24/03
REVISED: 01/21/05

Nevada East (NAD83)

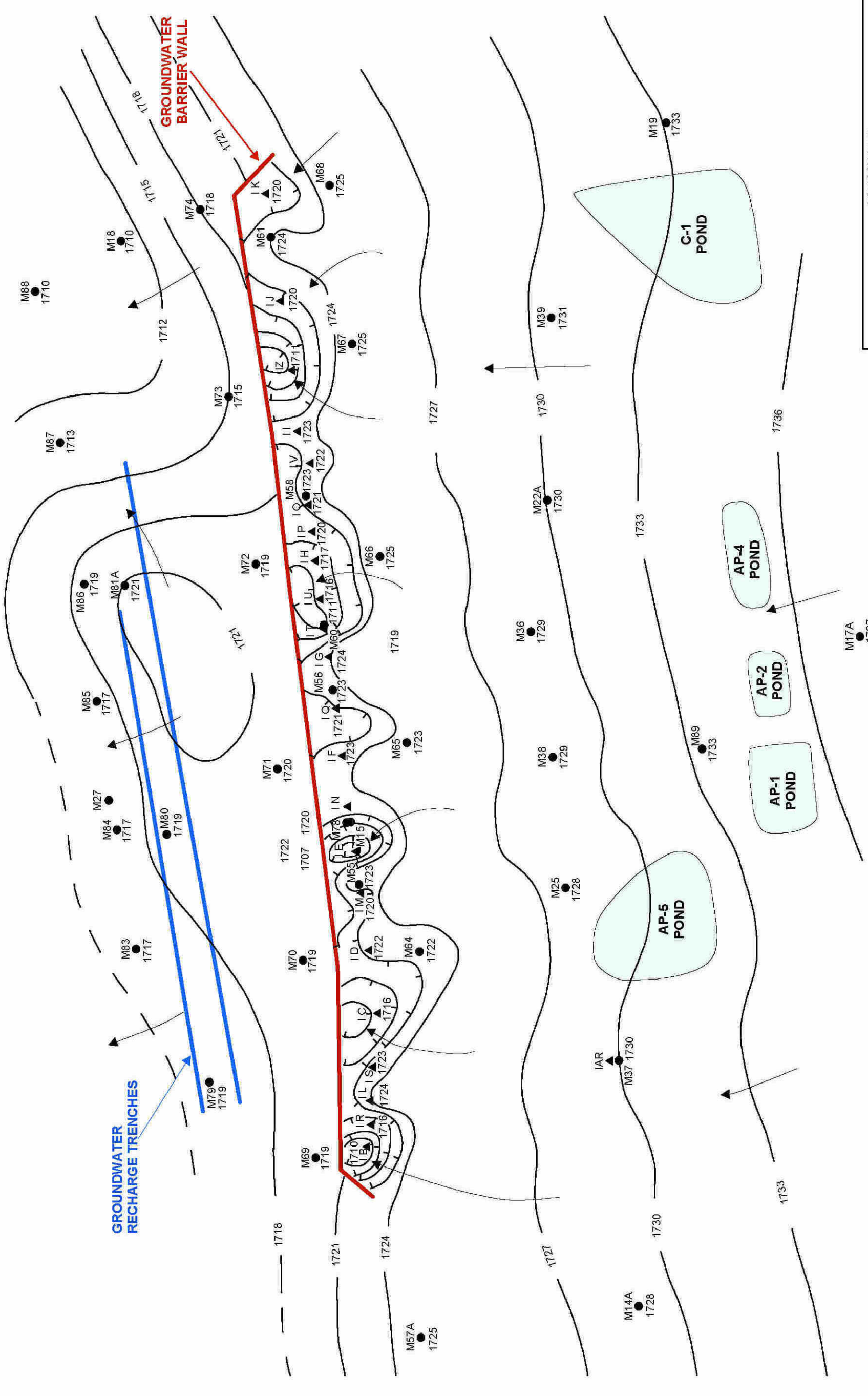


FIGURE 2
 Kerr-McGee Chemical LLC
 Henderson, Nevada
CONSENT ORDER MONITORING AREA
POTENTIOMETRIC SURFACE MAP
 FEBRUARY 2005

LEGEND
 ● Water Level Well Location
 ▲ Interceptor Well Location
 ~ Potentiometric Surface Contour
 Line (Ft. MSL) Contour Interval = 3 Ft.
 Water Level Data Recorded February 2005
 ← Direction of Groundwater Flow

GROUNDWATER RECHARGE TRENCHES

GROUNDWATER BARRIER WALL

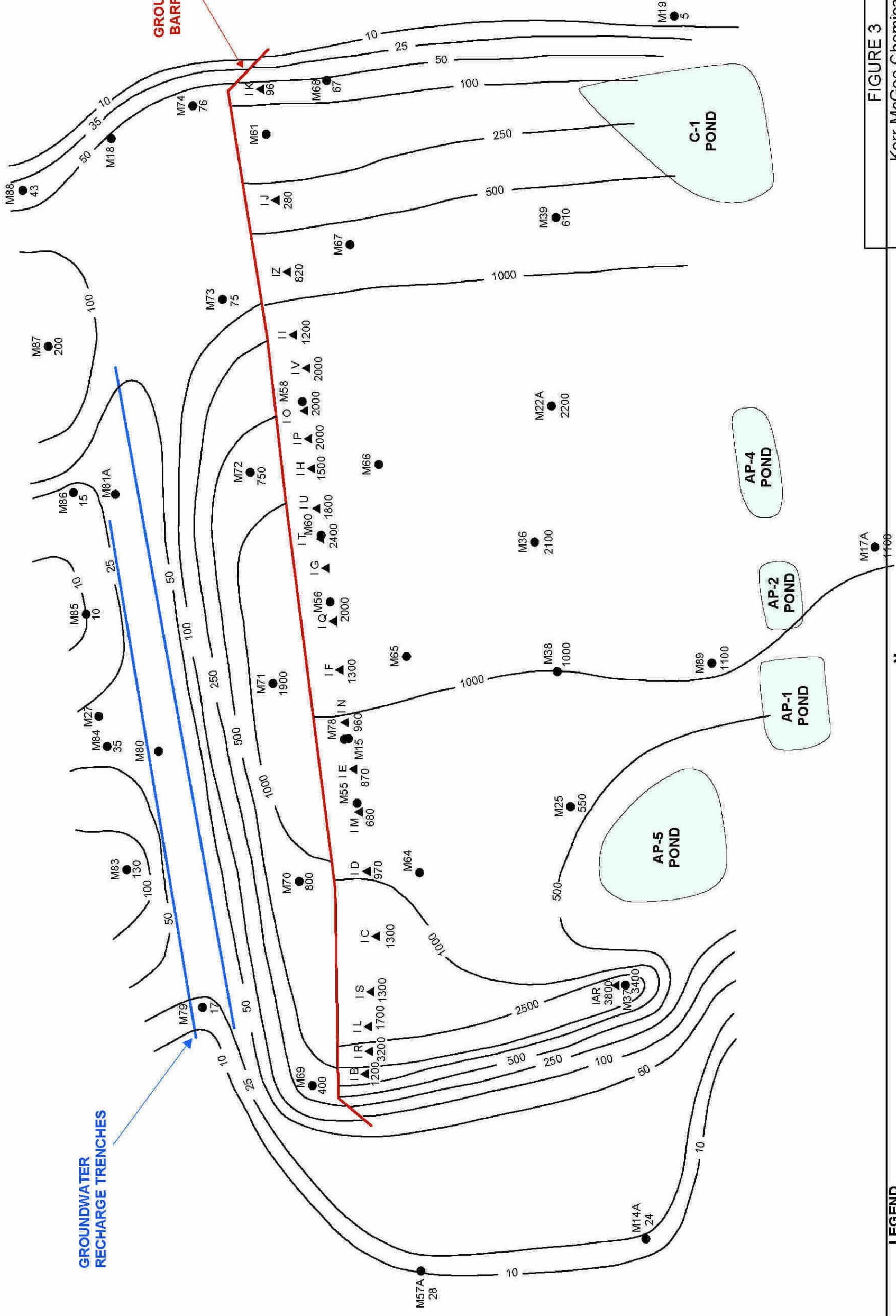
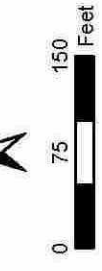


FIGURE 3

**Kerr-McGee Chemical LLC
Henderson, Nevada**

**INTERCEPTOR WELL FIELD
PERCHLORATE IN GROUNDWATER
FEBRUARY 2005**

LEGEND
● Water Level Well Location (Ref. 1700 Ft. MSL)
▲ Interceptor Well Location
~ Isoconcentration Contour
— Line (mg/L)



**FIGURE 4: PERCHLORATE REMOVED FROM THE ENVIRONMENT
JANUARY TO MARCH 2005**

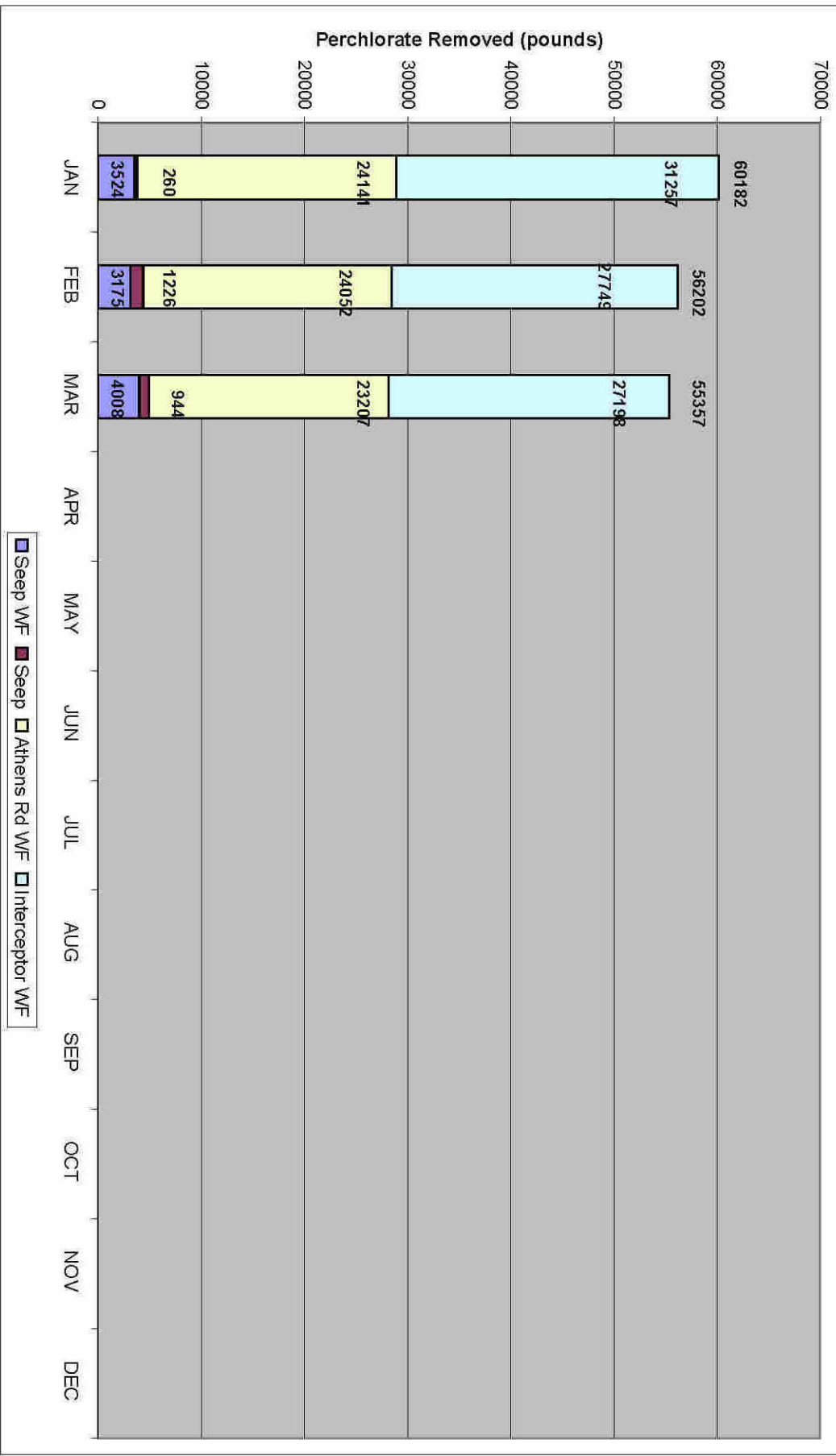


FIGURE 5: INTERCEPTOR WELL FIELD SECTION GRAPH

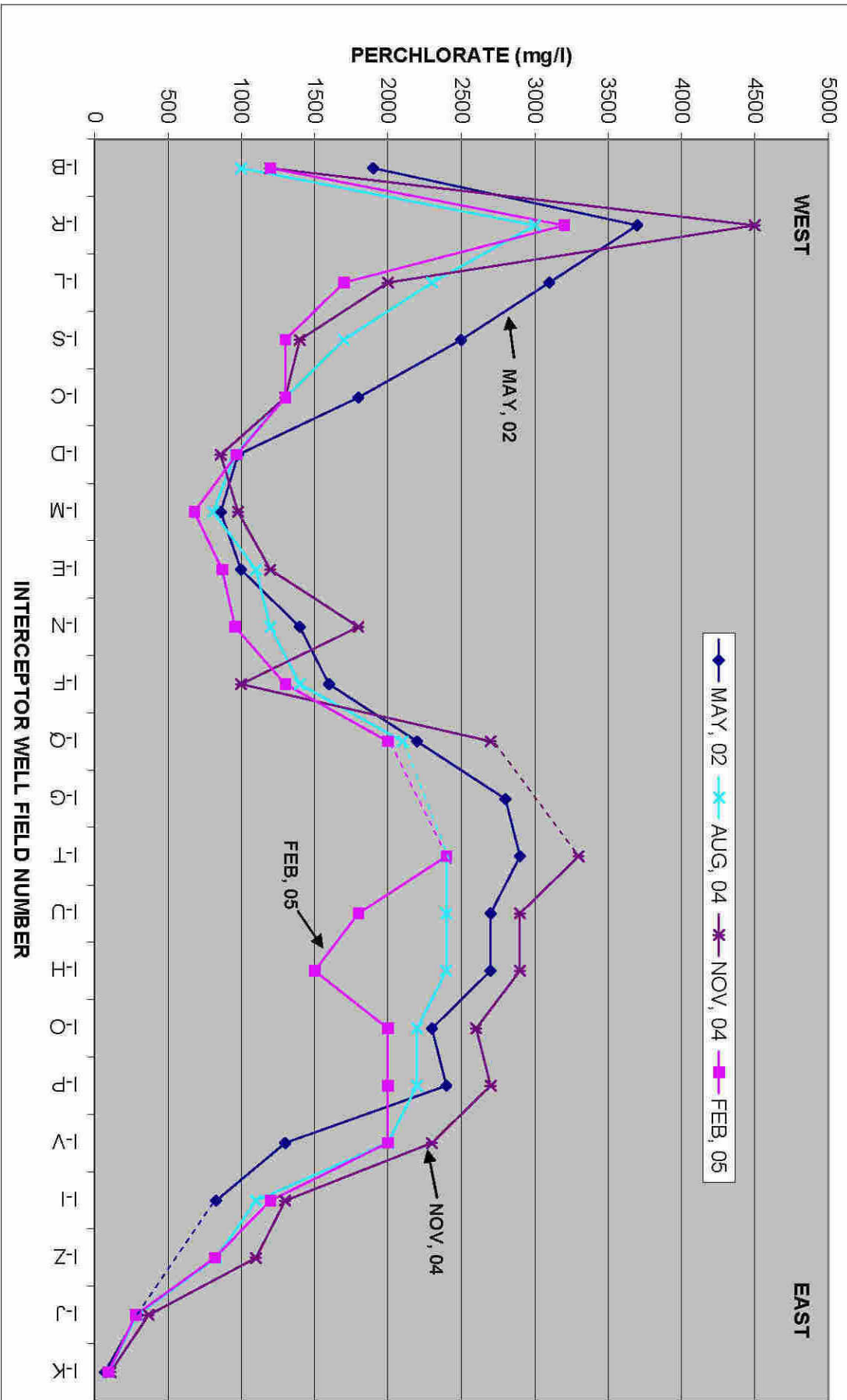


FIGURE 6: ATHENS ROAD WELL FIELD: PERCHLORATE CONCENTRATIONS

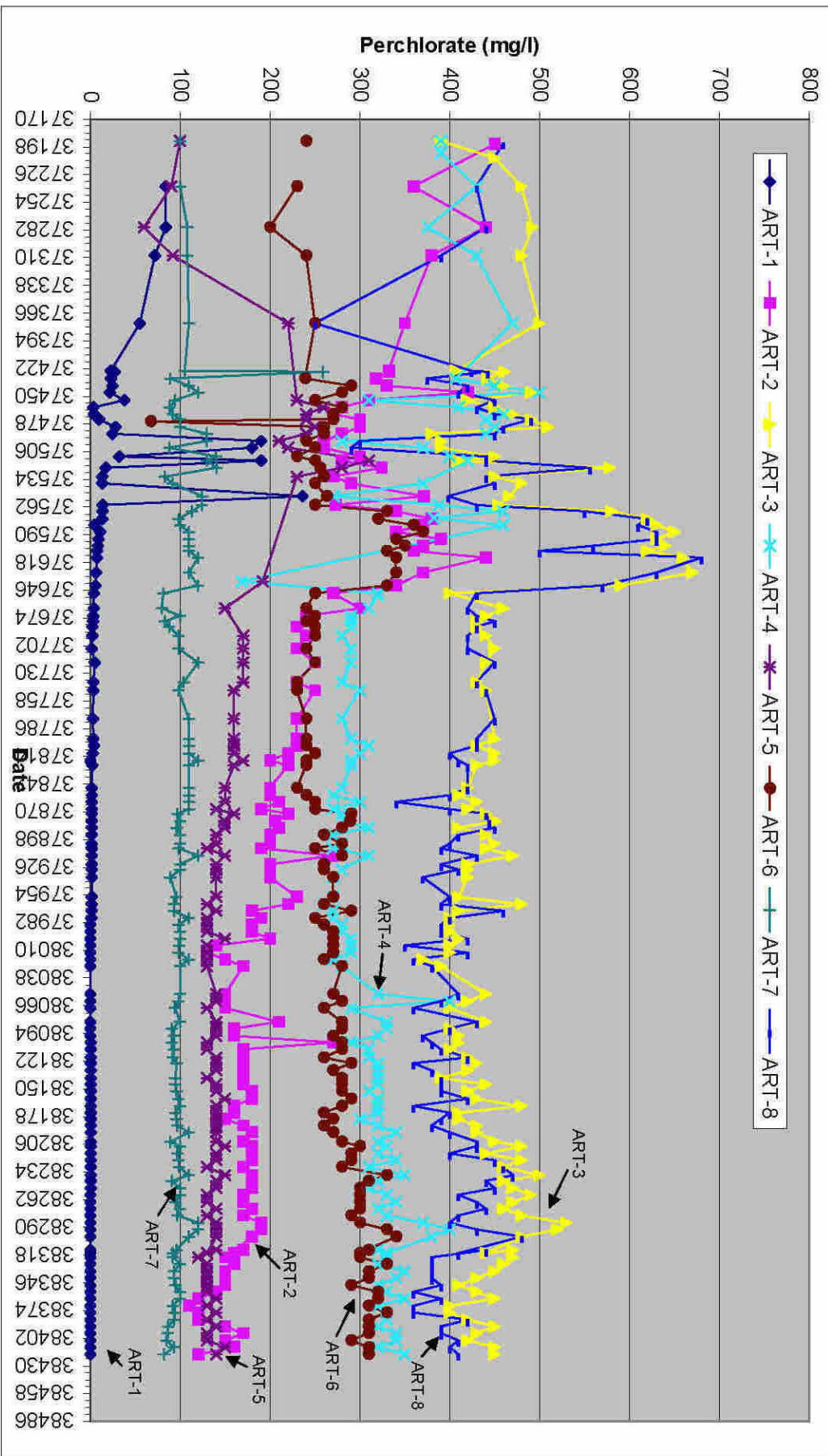


FIGURE 7: ATHENS ROAD WELL FIELD SECTION GRAPH

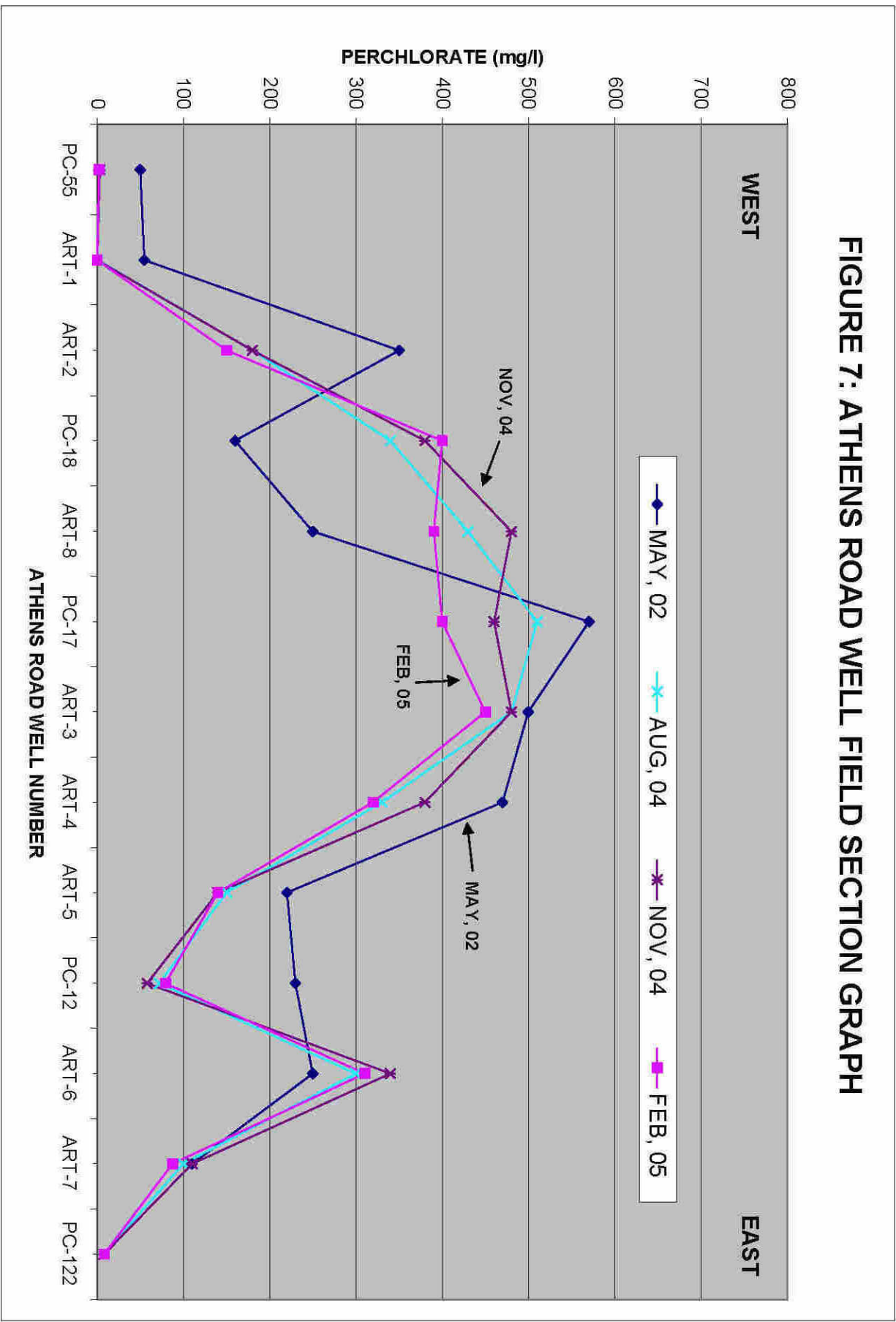


FIGURE 8: ATHENS ROAD WELLFIELD DRAWDOWN

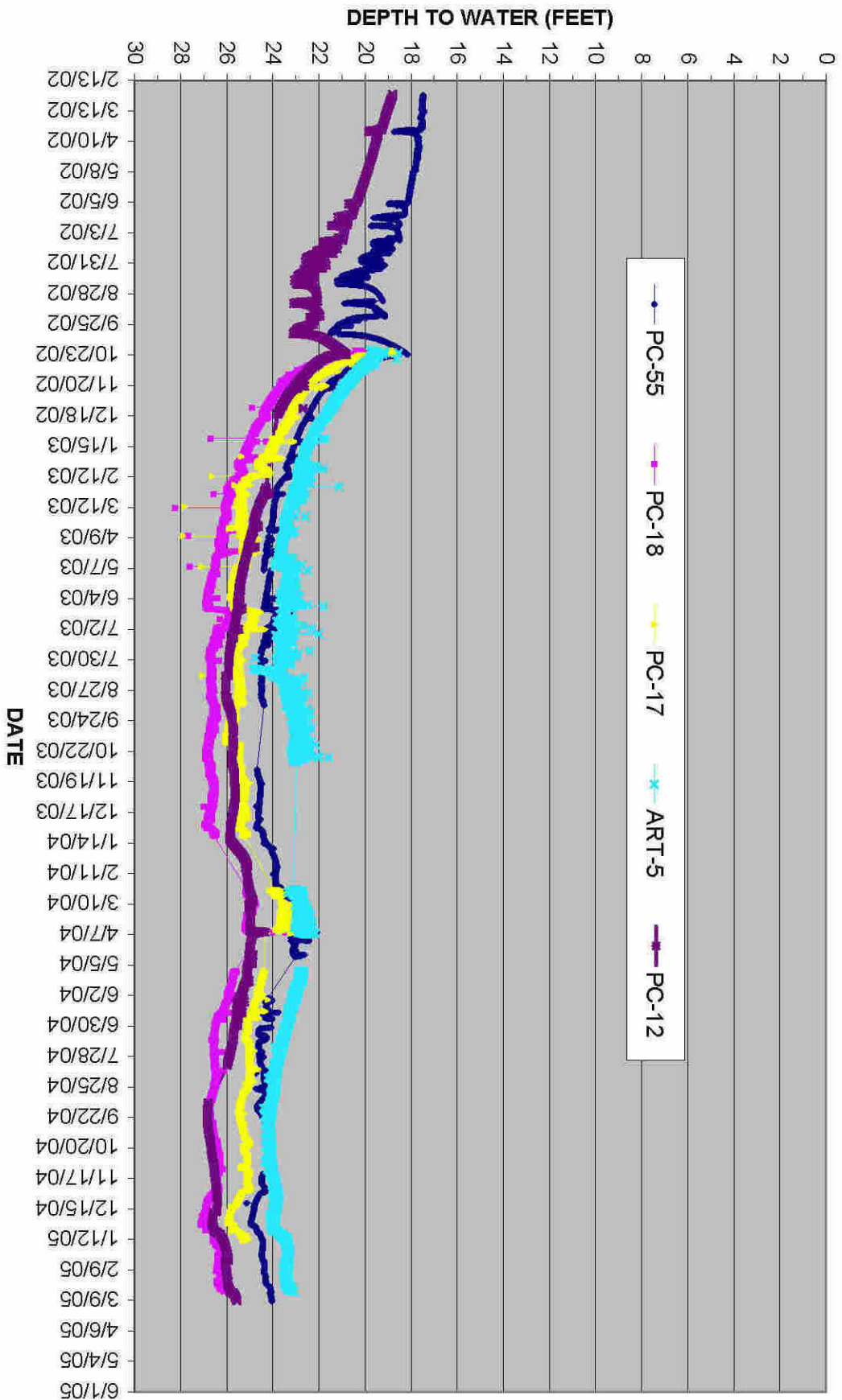


FIGURE 9: ATHENS ROAD PIEZOMETER WELLS: PERCHLORATE CONCENTRATIONS

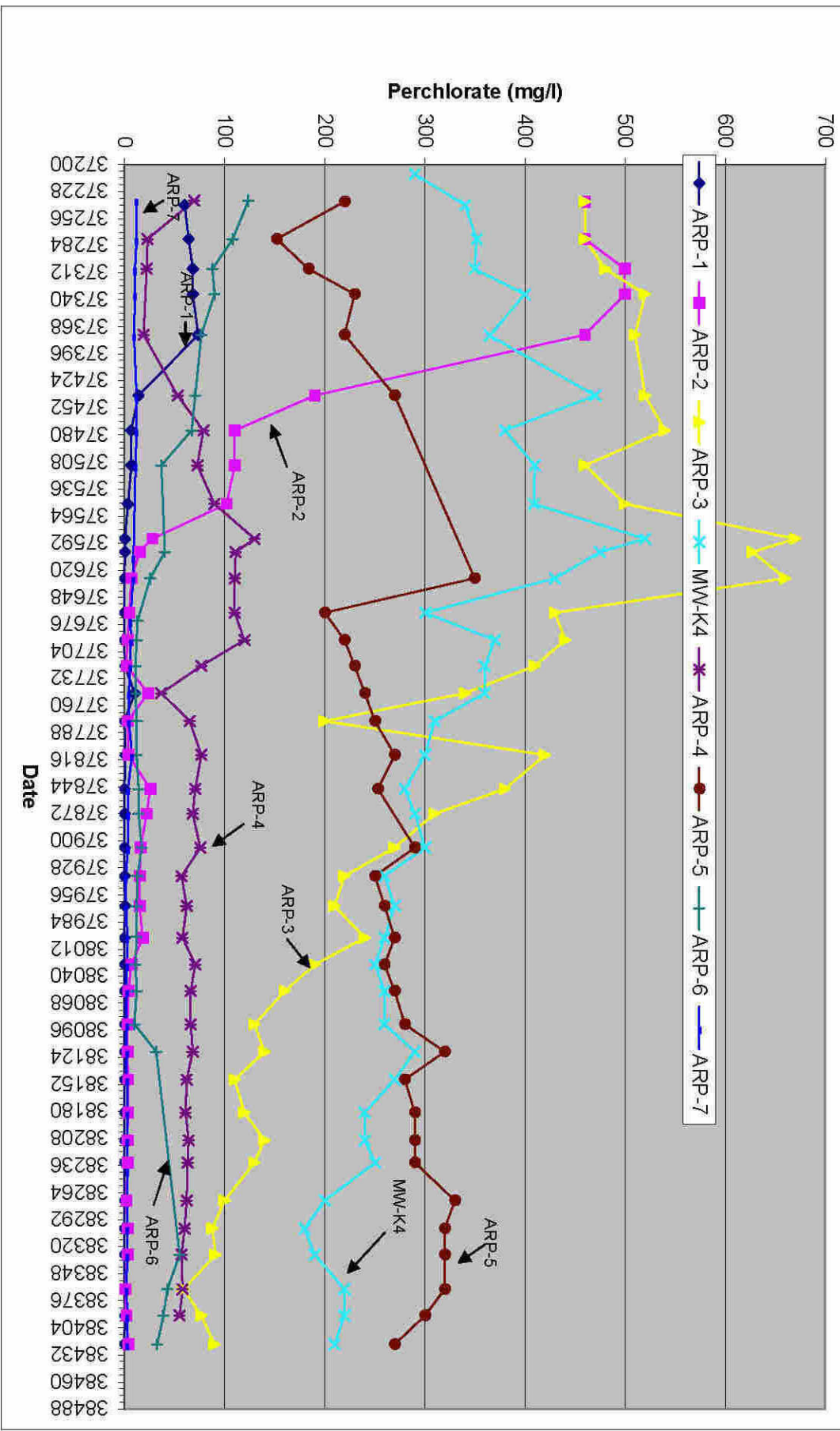


FIGURE 10: ATHENS ROAD PIEZOMETER WELL LINE SECTION GRAPH

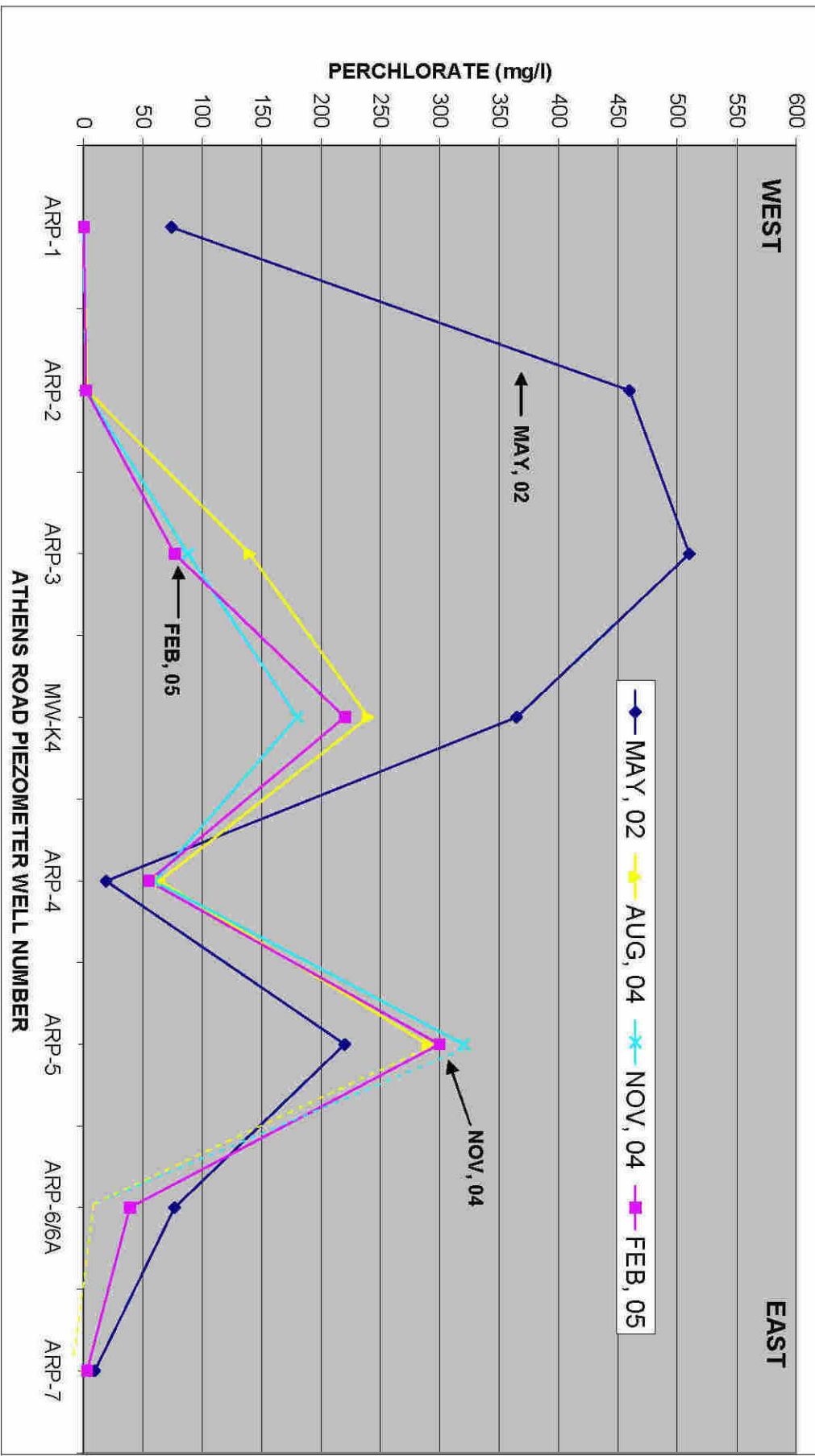


FIGURE 11: COH WRF WELL LINE: PERCHLORATE CONCENTRATIONS

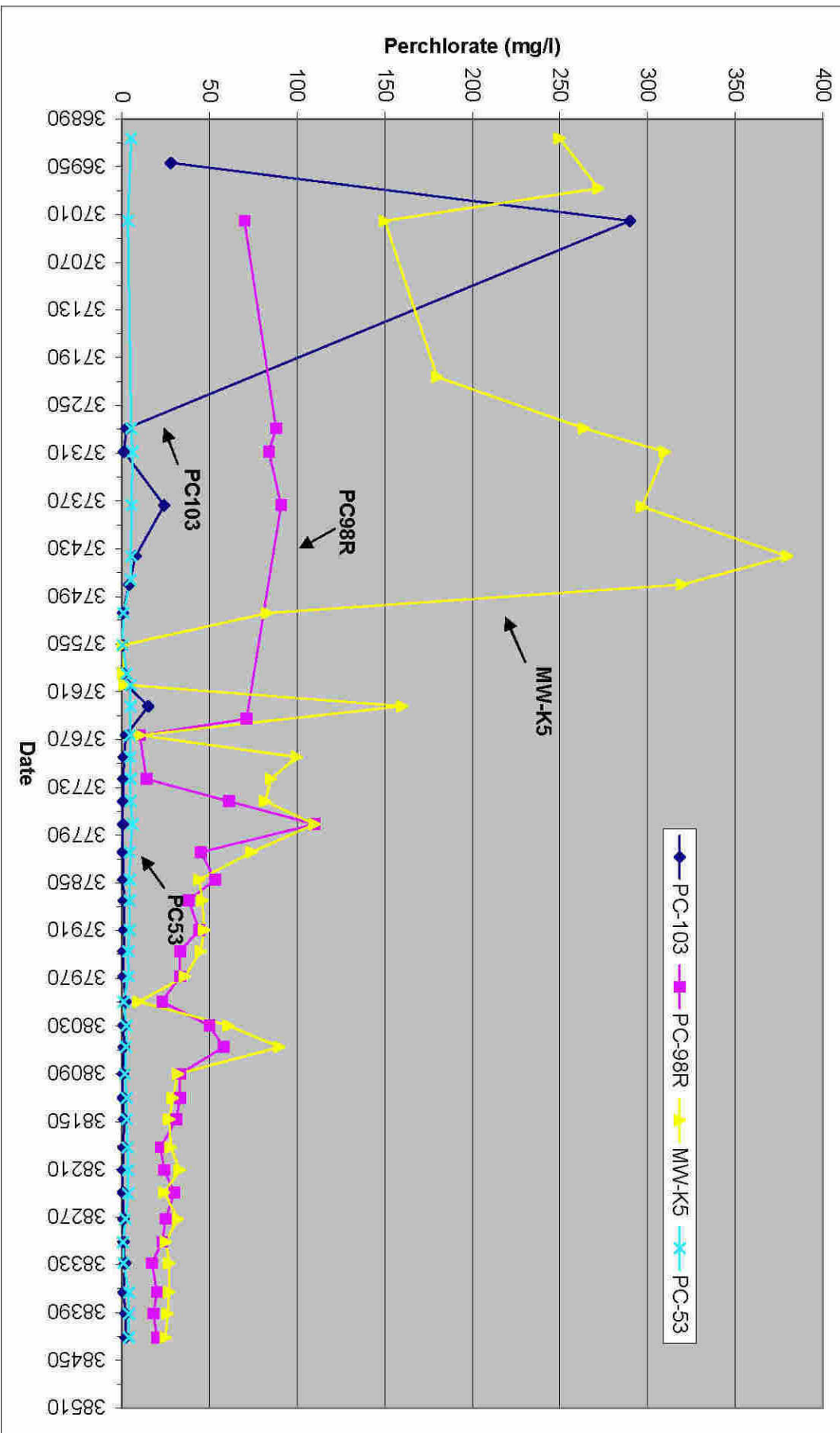
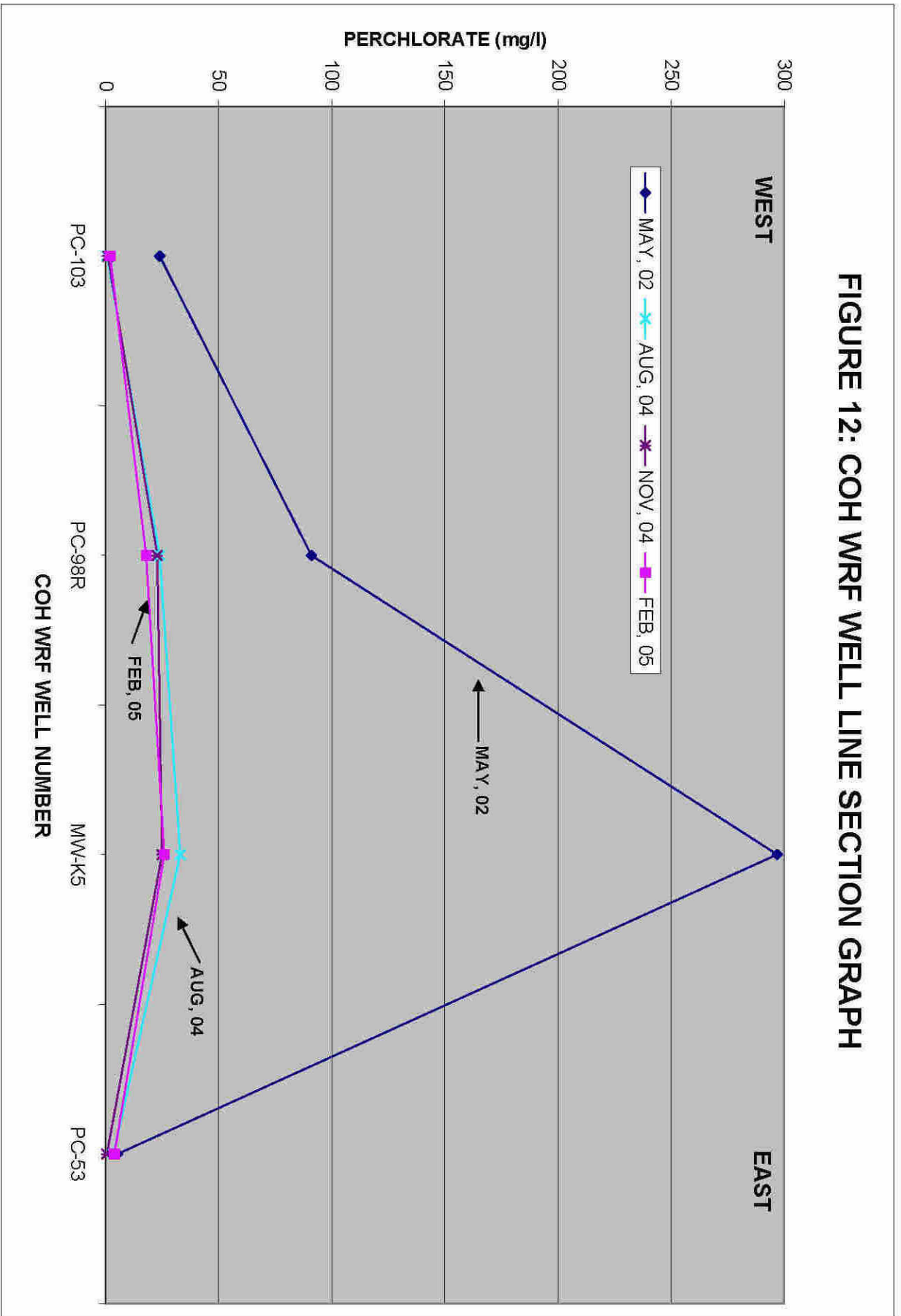


FIGURE 12: COH WRF WELL LINE SECTION GRAPH



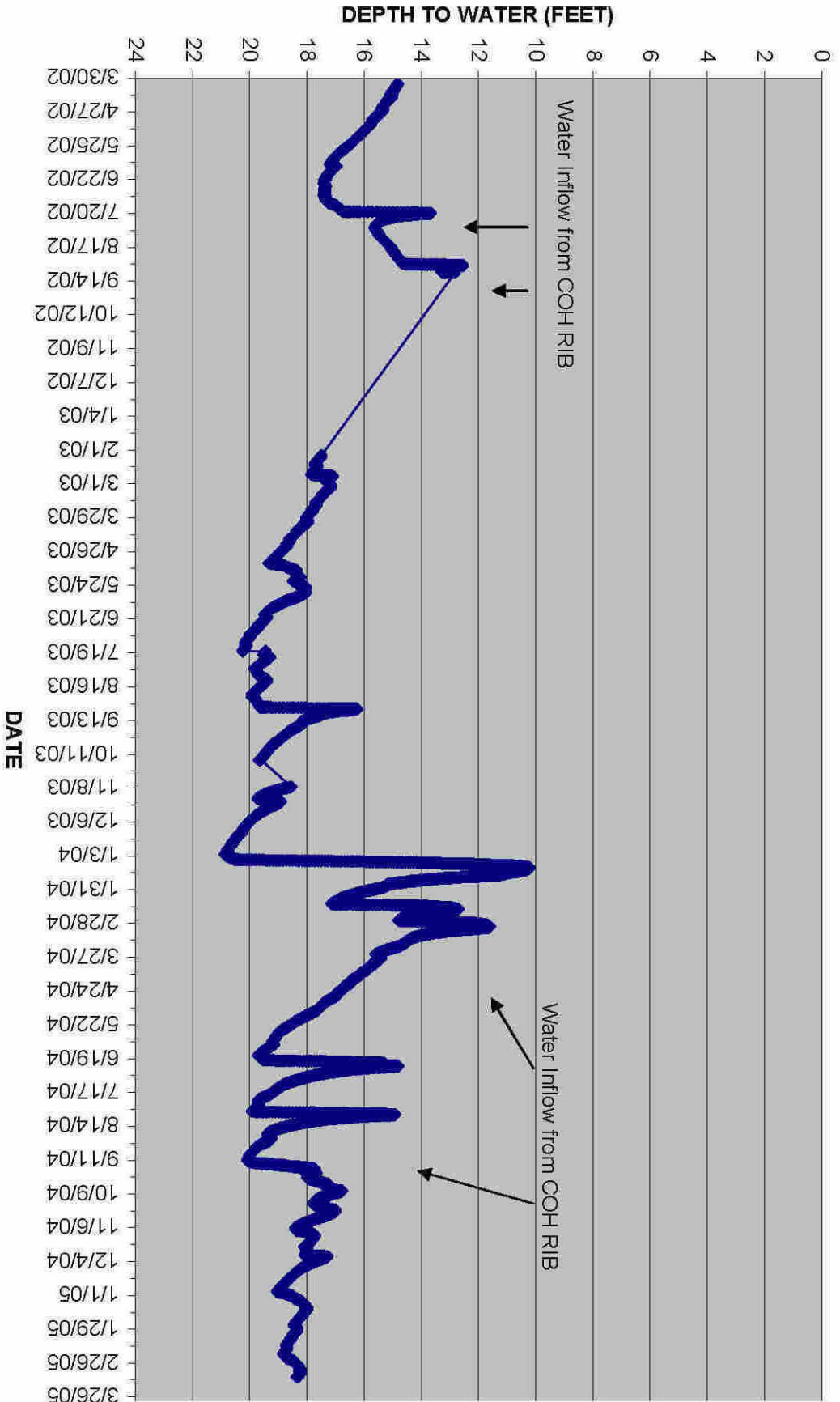


FIGURE 13: PC-98R DEPTH TO WATER

FIGURE 14: LOWER PONDS TRAVERSE: PERCHLORATE CONCENTRATIONS

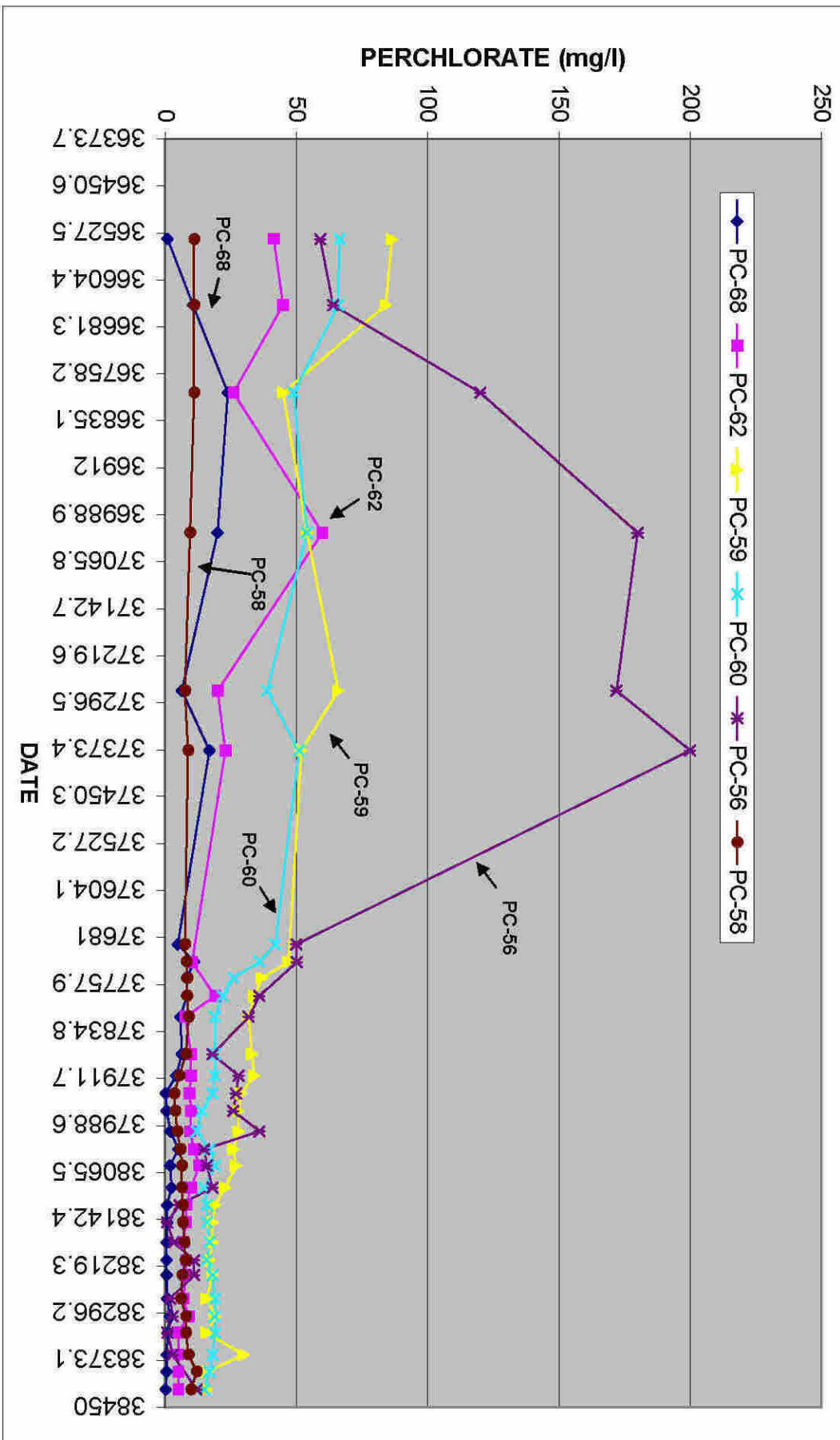


FIGURE 15: LOWER PONDS SECTION GRAPH

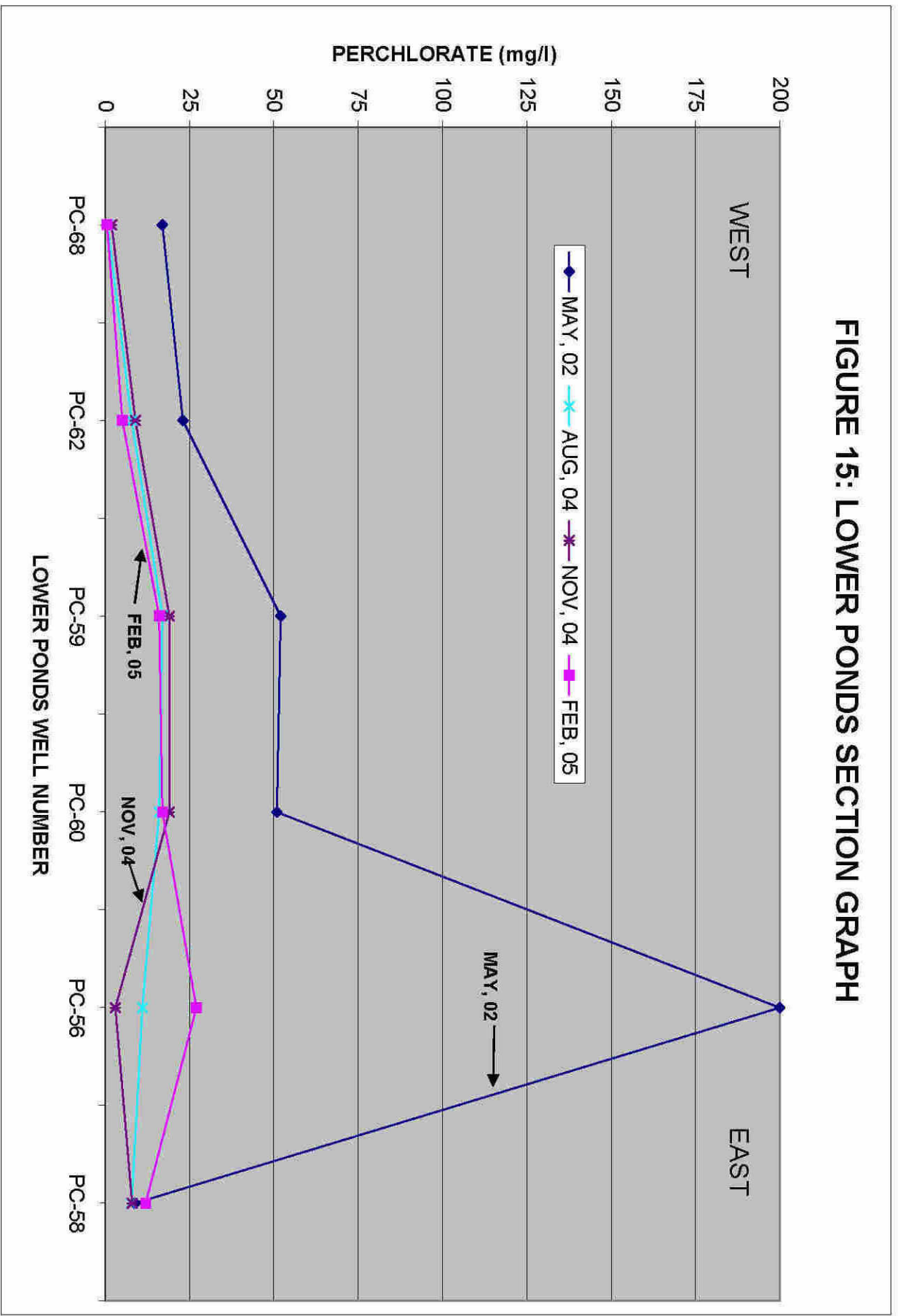


FIGURE 17: SEEP WELL FIELD SECTION GRAPH

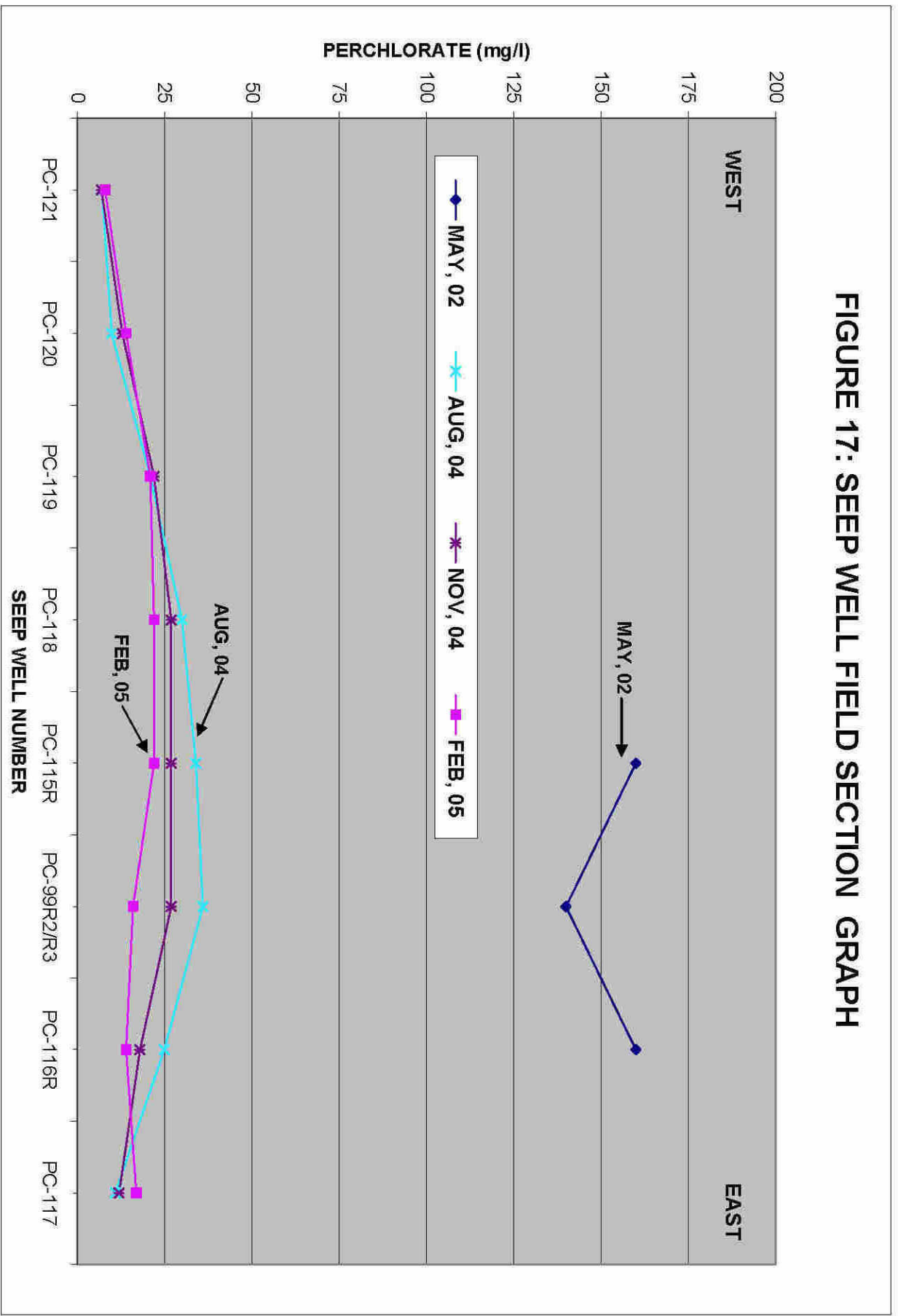
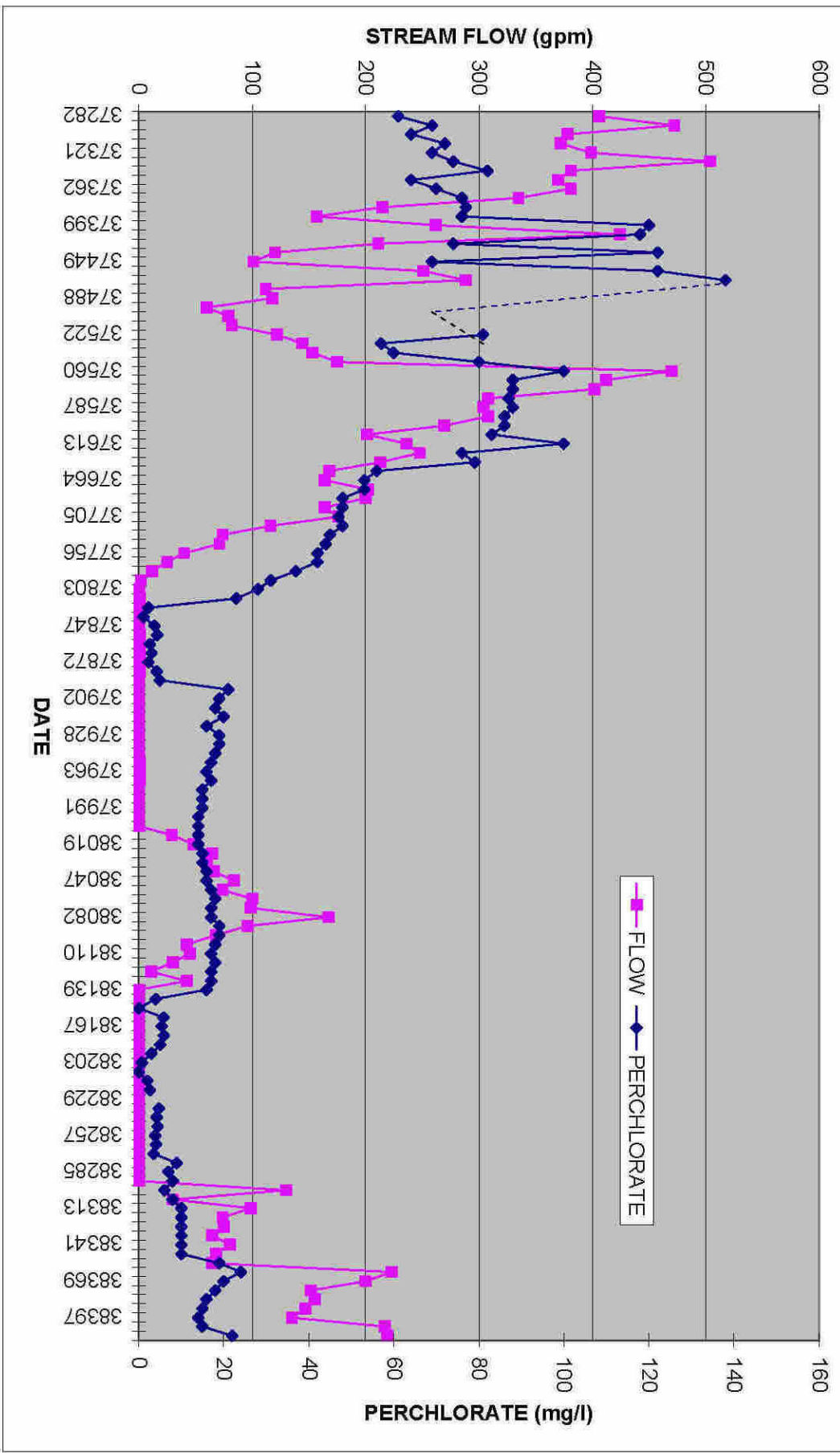


FIGURE 18: SEEP STREAM FLOW VS. PERCHLORATE CONCENTRATION



TABLES

TABLE 1
PERCHLORATE (mg/l) IN SELECTED
ON-SITE WELLS NEAR THE INTERCEPTOR WELL FIELD
KMCLLC FACILITY, HENDERSON, NEVADA

WELL	AUG, 2004	NOV, 2004	FEB, 2005
I-A-R	4600	5400	3800
I-B	1000	1200	1200
I-C	1300	1300	1300
I-D	960	860	970
I-E	1100	1200	870
I-F	1400	1000	1300
I-G	NS	NS	NS
I-H	2400	2900	1500
I-I	1100	1300	1200
I-J	290	370	280
I-K	96	110	96
I-L	2300	2000	1700
I-M	810	980	680
I-N	1200	1800	960
I-O	2200	2600	2000
I-P	2200	2700	2000
I-Q	2100	2700	2000
I-R	3000	4500	3200
I-S	1700	1400	1300
I-T	2400	3300	2400
I-U	2400	2900	1800
I-V	2000	2300	2000
I-Z	830	1100	820
M-19	7.1	7	5
M-22A	2400	2400	2200
M-25	590	670	550
M-36	2400	2200	2100
M-37	3900	4200	3400
M-38	1200	1400	1000
M-39	690	740	610
M-68	75	90	67
M-69	470	460	400
M-70	790	850	800

TABLE 1
PERCHLORATE (mg/l) IN SELECTED
ON-SITE WELLS NEAR THE INTERCEPTOR WELL FIELD
KMCLLC FACILITY, HENDERSON, NEVADA

WELL	AUG, 2004	NOV, 2004	FEB, 2005
M-71	1100	1600	1900
M-72	1900	2000	750
M-73	51	44	75
M-74	79	79	76
M-79	5.2	13	12
M-83	220	180	110
M-84	26	25	35
M-85	22	21	10
M-86	35	24	15
M-87	580	360	200
M-88	39	41	43
M-89	990	960	1100
= Not Sampled			
= Not Available			

TABLE 2
PERCHLORATE (mg/l) IN
SELECTED OFF-SITE MONITOR WELLS
HENDERSON, NEVADA

WELL	AUG, 2004	NOV, 2004	FEB, 2005
ARP-1	<0.004	0.007	0.42
ARP-2	3	2	2
ARP-3	140	88	77
ARP-4	64	60	55
ARP-5	290	320	300
ARP-6A	NS	NS	39
ARP-7	2.9	3	3
ART-1	0.5	0.18	0.084
ART-2	180	180	150
ART-3	480	480	450
ART-4	330	380	320
ART-5	150	140	140
ART-6	300	340	310
ART-7	100	110	87
ART-8	430	480	390
L635	0.004	<0.004	0.01
L637	0.005	0.007	0.011
MW-K4	240	180	220
MW-K5	33	25	26
PC12	72	58	79
PC17	510	460	400
PC18	340	380	400
PC55	2.9	3	2
PC53	3.5	0.6	4
PC56	11	3	27
PC58	7.8	8	12
PC59	17	19	16
PC60	16	19	17
PC62	7.9	9	5.1
PC68	0.63	2	0.49

TABLE 2
PERCHLORATE (mg/l) IN
SELECTED OFF-SITE MONITOR WELLS
HENDERSON, NEVADA

WELL	MAY, 2004	AUG, 2004	FEB, 2005
PC86	7.2	10	13
PC89	37	30	27
PC91	19	19	19
PC95	2	1	4
PC97	5.5	3	8
PC98R	24	23	18
PC99R2/R3	36	27	16
PC101R	180	240	370
PC103	0.68	1	2
PC115R	34	27	22
PC116R	25	18	14
PC117	11	12	17
PC118	30	27	22
PC119	21	22	21
PC120	9.9	13	14
PC121	7.1	7	8
PC122	8	8	8

S = Not Sampled

**TABLE 3
PERCHLORATE REMOVED FROM THE ENVIRONMENT
HENDERSON, NEVADA**

DATE	SEEP WELLS AND SEEP (lbs/day)	ATHENS RD WELL FIELD (lbs/day)	INTERCEPTOR WELL FIELD (lbs/day)	TOTAL (lbs/day)	TOTAL TONS REMOVED (per month)
OCT 2002*	495	331	1402	2228	34.5
NOV 2002	422	1001	1146	2569	38.5
DEC 2002	208	1164	1292	2664	41.3
JAN 2003	335	1074	1467	2876	44.6
FEB 2003	570	783	1060	2413	33.8
MAR 2003**	485	806	1067	2358	36.5
APR 2003	713	713	1033	2460	36.9
MAY 2003	703	729	1148	2581	40.0
JUN 2003	686	907	1098	2691	40.4
JUL 2003	594	755	1034	2383	36.9
AUG 2003	452	741	999	2192	34.0
SEP 2003	417	770	937	2124	31.9
OCT 2003	370	769	1003	2142	33.2
NOV 2003	337	713	949	1999	30.0
DEC 2003	321	751	932	2005	31.1
JAN 2004	305	689	953	1947	30.2
FEB 2004	311	630	895	1836	26.6
MAR 2004	221	743	931	1895	29.4
APR 2004	151	733	849	1733	26.0
MAY 2004	126	765	904	1795	26.9
JUN 2004	157	754	994	1905	28.6
JUL 2004	195	757	968	1920	29.8
AUG 2004	201	805	914	1920	29.8
SEP 2004	169	835	981	1985	29.8
OCT 2004	262	799	1020	2081	31.2
NOV 2004	168	814	1032	2014	30.2
DEC 2004	122	816	1002	1940	30.1
JAN 2005	122	811	1008	1941	30.1
FEB 2005	157	859	991	2007	28.1
MAR 2005	160	749	877	1786	27.7

* Athens Rd Recovery Wells begin full time operation on 10/22/02

** Five new seep area recovery wells begin operation on 3/24/03

TABLE 4

**PUMPING RATES FROM THE
ATHENS ROAD WELL FIELD
2/7/2005
HENDERSON, NEVADA**

WELL	FLOW (GPM)
ART-1	15.3
ART-1A	NP
ART-2	76.4
ART-2A	NP
ART-3	31.9
ART-3A	NP
ART-4	15.3
ART-4A	NP
ART-6	13.9
ART-6A	NP
ART-7	29.9
ART-7A	NP
ART-8	69.4
ART-8A	NP
TOTAL FLOW	252.1

NP = Not pumping

APPENDIX A
GROUNDWATER ELEVATIONS OF SELECTED
ON-SITE WELLS

**KERR-McGEE CHEMICAL LLC
 HENDERSON, NEVADA FACILITY
 GROUNDWATER ELEVATIONS
 SELECTED ON-SITE WELLS**

TOC-->	I-B		I-C		I-D		I-E		I-F	
	1752.67		1752.78		1752.66		1752.36		1749.7	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
1/22/98	35.00	1715.69	34.00	1716.44	42.80	1707.74	37.00	1713.22	33.30	1714.28
2/11/98	39.20	1711.49	42.20	1708.24	44.25	1706.29	37.50	1712.72	38.25	1709.33
3/25/98	43.00	1707.69	44.00	1706.44	44.70	1705.84	34.30	1715.92	40.85	1706.73
4/27/98	43.18	1707.51	42.73	1707.71	32.15	1718.39	33.22	1717.00	40.74	1706.84
9/14/98	42.73	1707.96	41.13	1709.31	44.41	1706.13	37.15	1713.07	40.70	1706.88
12/15/98	42.86	1707.83	41.10	1709.34	44.50	1706.04	35.63	1714.59	40.98	1706.60
2/4/99	43.21	1707.48	43.94	1706.50	44.64	1705.90	34.15	1716.07	41.32	1706.26
3/24/99	42.80	1707.89	43.90	1706.54	44.62	1705.92	36.00	1714.22	41.50	1706.08
5/4/99	42.10	1708.59	43.70	1706.74	43.87	1706.67	39.65	1710.57	40.56	1707.02
8/9/99	42.54	1708.15	43.37	1707.07	44.80	1705.74	35.50	1714.72	41.04	1706.54
11/8/99	43.54	1707.15	34.49	1715.95	44.32	1706.22	36.85	1713.37	44.00	1703.58
1/31/00	44.00	1706.69	35.32	1715.12	38.55	1711.99	36.62	1713.60	44.80	1702.78
5/1/00	43.19	1707.50	43.62	1706.82	43.42	1707.12	34.50	1715.72	32.81	1714.77
9/18/00			43.75	1706.69	41.47	1709.07	45.25	1704.97	43.92	1703.66
11/13/00	44.20	1706.49	43.70	1706.74	41.36	1709.18	45.10	1705.12	41.80	1705.78
2/1/01	42.33	1708.36	43.85	1706.59	41.41	1709.13	45.32	1704.90	44.42	1703.16
5/1/01	43.48	1707.21			41.95	1708.59	45.42	1704.80		
9/1/01	39.70	1710.99	44.15	1706.29	42.20	1708.34	46.30	1703.92	41.25	1706.33
11/1/01	40.68	1710.01	38.23	1712.21	41.50	1709.04	36.55	1713.67	29.50	1718.08
3/1/02	40.44	1710.25	44.00	1706.44	48.48	1702.06	43.00	1707.22	29.10	1718.48
5/1/02	31.31	1719.38	42.00	1708.44	39.80	1710.74	43.20	1707.02	27.80	1719.78
9/9/02	43.26	1709.41	44.45	1708.33	40.51	1712.15	41.20	1711.16	29.68	1720.02
12/9/02	39.66	1713.01	36.29	1716.49	30.93	1721.73	36.37	1715.99	27.40	1722.30
1/20/03	40.02	1712.65	36.78	1716.00	35.92	1716.74	38.92	1713.44	27.95	1721.75
5/5/03	42.75	1709.92	36.44	1716.34	40.45	1712.21	38.10	1714.26	27.60	1722.10
7/9/03	30.67	1722.00	30.90	1721.88	31.35	1721.31	30.70	1721.66	27.18	1722.52
8/13/03	33.80	1718.87	39.30	1713.48	39.40	1713.26	45.10	1707.26	28.00	1721.70
9/8/03	31.11	1721.56	34.01	1718.77	32.93	1719.73	37.70	1714.66	27.07	1722.63
10/14/03	40.03	1712.64	40.92	1711.86	40.13	1712.53	45.22	1707.14	28.00	1721.7
11/12/03	39.38	1713.29	40.78	1712.00	40.47	1712.19	45.15	1707.21	28.27	1721.43
12/8/03	41.09	1711.58	40.61	1712.17	40.54	1712.12	45.24	1707.12	28.61	1721.09
1/9/04	43.62	1709.05	41.18	1711.6	40.53	1712.13	44.89	1707.47	29.04	1720.66
2/4/04	43.63	1709.04	41.81	1710.97	41.60	1711.06	45.03	1707.33	29.29	1720.41
3/15/04	32.60	1720.07	42.37	1710.41	39.94	1712.72	45.34	1707.02	29.66	1720.04
4/1/04	32.41	1720.26	29.66	1723.12	31.70	1720.96	43.18	1709.18	28.37	1721.33
5/3/04	32.95	1719.72	43.36	1709.42	31.16	1721.50	40.12	1712.24	27.89	1721.81
6/10/04	33.78	1718.89	42.18	1710.60	31.02	1721.64	38.81	1713.55	27.7	1722.00
7/12/04	37.36	1715.31	44.51	1708.27	43.19	1709.47	43.6	1708.76	29.29	1720.41
8/4/04	34.18	1718.49	38.28	1714.50	37.77	1714.89	39.04	1713.32	28.08	1721.62
9/7/04	31.61	1721.06	44.34	1708.44	40.11	1712.55	45.31	1707.05	29.06	1720.64
10/12/04	43.59	1709.08	44.34	1708.44	41.39	1711.27	45.18	1707.18	29.32	1720.38
11/10/04	43.27	1709.4	44.34	1708.44	40.52	1712.14	45.18	1707.18	28.33	1721.37
12/6/04	43.24	1709.43	44.34	1708.44	41.61	1711.05	45.21	1707.15	27.73	1721.97
1/8/05	42.93	1709.74	39.42	1713.36	30.76	1721.90	40.71	1711.65	26.99	1722.71
2/1/05	43.13	1709.54	37.08	1715.70	30.27	1722.39	45.16	1707.20	26.64	1723.06
3/10/05	33.09	1719.58	30.51	1722.27	28.74	1723.92	32.21	1720.15	25.66	1724.04

**KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA FACILITY
GROUNDWATER ELEVATIONS
SELECTED ON-SITE WELLS**

TOC-->	I-G 1752.5		I-H 1753.21		I-I 1745.5		I-J 1750.07		I-K 1750.08	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
1/22/98	39.90	1710.52	37.70	1713.37	39.50	1703.86	29.60	1718.35	22.10	1721.87
2/11/98	39.44	1710.98	31.54	1719.53	35.90	1707.46	28.50	1719.45	26.17	1717.80
3/25/98	39.70	1710.72	34.20	1716.87	41.00	1702.36	37.00	1710.95	37.80	1706.17
4/27/98	35.87	1714.55	34.85	1716.22	30.30	1713.06	34.30	1713.65	24.51	1719.46
9/14/98	39.84	1710.58	36.02	1715.05	26.04	1717.32	35.55	1712.40	24.53	1719.44
12/15/98	39.00	1711.42	40.58	1710.49	24.77	1718.59	30.63	1717.32	22.76	1721.21
2/4/99	39.95	1710.47	31.00	1720.07	24.44	1718.92	32.51	1715.44	28.60	1715.37
3/24/99	39.80	1710.62	32.00	1719.07	23.50	1719.86	29.00	1718.95	28.90	1715.07
5/4/99	39.46	1710.96	32.67	1718.40	24.33	1719.03	29.25	1718.70	30.28	1713.69
8/9/99	40.94	1709.48	33.18	1717.89	25.34	1718.02	38.12	1709.83	30.07	1713.90
11/8/99	39.90	1710.52	39.90	1711.17	25.40	1717.96	39.04	1708.91	31.10	1712.87
1/31/00	33.58	1716.84	41.51	1709.56	26.30	1717.06	28.60	1719.35	25.86	1718.11
5/1/00	39.73	1710.69	34.83	1716.24	25.92	1717.44	40.70	1707.25	30.23	1713.74
9/18/00	34.56	1715.86	41.26	1709.81	30.70	1712.66	41.86	1706.09	29.41	1714.56
11/13/00			39.70	1711.37	35.10	1708.26			32.45	1711.52
2/1/01	34.80	1715.62	33.85	1717.22	36.39	1706.97	41.68	1706.27	31.12	1712.85
5/1/01	35.36	1715.06	37.62	1713.45	34.64	1708.72	31.60	1716.35	30.18	1713.79
9/1/01	40.20	1710.22	36.00	1715.07	22.95	1720.41			33.10	1710.87
11/1/01	36.75	1713.67	38.20	1712.87	22.00	1721.36	29.50	1718.45	26.20	1717.77
3/1/02	34.10	1716.32	30.32	1720.75	21.00	1722.36	28.98	1718.97	27.39	1716.58
5/1/02	39.10	1711.32	32.80	1718.27	21.20	1722.16	27.80	1720.15	25.90	1718.07
9/9/02	29.78	1722.72	31.52	1721.69	20.78	1724.72	28.00	1722.07	26.59	1723.49
12/9/02	29.74	1722.76	29.93	1723.28	20.45	1725.05	27.42	1722.65	24.58	1725.50
1/20/03			29.47	1723.74	21.18	1724.32	27.66	1722.41	24.88	1725.20
5/5/03	32.14	1720.36	38.53	1714.68	20.18	1725.32	27.53	1722.54	26.39	1723.69
7/9/03	29.97	1722.53	29.66	1723.55	20.47	1725.03	25.44	1724.63	21.82	1728.26
8/13/03	39.60	1712.90	32.70	1720.51	21.50	1724.00	28.00	1722.07	30.80	1719.28
9/8/03	29.54	1722.96	40.20	1713.01	29.30	1716.20	27.15	1722.92	29.25	1720.83
10/14/03	30.14	1722.36	41.78	1711.43	21.38	1724.12	28.17	1721.90	30.43	1719.65
11/12/03	30.21	1722.29	31.80	1721.41	22.45	1723.05	29.36	1720.71	33.70	1716.38
12/8/03	30.79	1721.71	33.84	1719.37	23.48	1722.02	31.20	1718.87	32.34	1717.74
1/9/04	30.92	1721.58	35.92	1717.29	23.63	1721.87	32.03	1718.04	32.99	1717.09
2/4/04	31.21	1721.29	32.34	1720.87	23.61	1721.89	32.27	1717.8	32.28	1717.8
3/15/04	31.14	1721.36	31.93	1721.28	23.71	1721.79	32.49	1717.58	32.28	1717.8
4/1/04	30.68	1721.82	34.48	1718.73	23.48	1722.02	32.06	1718.01	33.69	1716.39
5/3/04	29.87	1722.63	32.72	1720.49	22.63	1722.87	28.16	1721.91	35.67	1714.41
6/10/04	30.27	1722.23	34.58	1718.63	23.04	1722.46	30.84	1719.23	32.78	1717.30
7/12/04	30.52	1721.98	41.87	1711.34	23.83	1721.67	32.8	1717.27	31.76	1718.32
8/4/04	30.35	1722.15	41.99	1711.22	23.51	1721.99	33.73	1716.34	35.16	1714.92
9/7/04	30.76	1721.74	39.86	1713.35	23.52	1721.98	33.38	1716.69	35.74	1714.34
10/12/04	30.94	1721.56	36.47	1716.74	23.76	1721.74	34.87	1715.20	35.69	1714.39
11/10/04	30.65	1721.85	37.31	1715.90	23.88	1721.62	34.68	1715.39	24.29	1725.79
12/6/04	30.09	1722.41	36.66	1716.55	23.54	1721.96	32.84	1717.23	35.69	1714.39
1/8/05	28.79	1723.71	37.22	1715.99	37.22	1708.28	29.98	1720.09	29.11	1720.97
2/1/05	28.91	1723.59	36.41	1716.80	36.41	1709.09	29.68	1720.39	29.59	1720.49
3/10/05	28.55	1723.95	33.86	1719.35	33.86	1711.64	26.82	1723.25	24.54	1725.54

**KERR-McGEE CHEMICAL LLC
 HENDERSON, NEVADA FACILITY
 GROUNDWATER ELEVATIONS
 SELECTED ON-SITE WELLS**

TOC-->	I-L		I-M		I-N		I-O		I-P	
	1751.7		1752.9		1751.45		1752.8		1751.66	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
1/22/98	30.90	1718.59	40.00	1710.72	38.00	1711.26	32.85	1717.81		
2/11/98	37.32	1712.17	40.05	1710.67	37.00	1712.26	34.15	1716.51		
3/25/98	38.60	1710.89	41.20	1709.52	38.00	1711.26	35.00	1715.66		
4/27/98	32.59	1716.90	40.19	1710.53	33.43	1715.83	33.00	1717.66		
9/14/98	39.83	1709.66	41.94	1708.78	36.29	1712.97	38.08	1712.58	31.45	1720.21
12/15/98	38.60	1710.89	41.67	1709.05	36.12	1713.14	33.77	1716.89	31.21	1720.45
2/4/99	37.50	1711.99	41.73	1708.99	37.10	1712.16	40.72	1709.94	29.62	1722.04
3/24/99	39.25	1710.24	41.70	1709.02	39.20	1710.06	30.20	1720.46	30.00	1721.66
5/4/99	39.31	1710.18	37.45	1713.27	37.10	1712.16	30.70	1719.96	29.83	1721.83
8/9/99	32.00	1717.49	41.90	1708.82	37.04	1712.22	31.80	1718.86	31.49	1720.17
11/8/99	38.77	1710.72	41.75	1708.97	34.00	1715.26	33.00	1717.66	36.47	1715.19
1/31/00	37.31	1712.18	41.74	1708.98	33.90	1715.36	32.60	1718.06	35.78	1715.88
5/1/00	39.68	1709.81	40.25	1710.47	34.24	1715.02	32.58	1718.08	31.83	1719.83
9/18/00	40.08	1709.41	41.71	1709.01	38.50	1710.76	35.14	1715.52		
11/13/00	39.75	1709.74	41.25	1709.47	38.28	1710.98	36.57	1714.09		
2/1/01	39.87	1709.62	41.10	1709.62	35.09	1714.17	36.26	1714.40		
5/1/01	39.25	1710.24	33.55	1717.17	41.60	1707.66	37.25	1713.41		
9/1/01	40.80	1708.69	42.52	1708.20	38.00	1711.26	31.00	1719.66		
11/1/01	32.55	1716.94	39.20	1711.52	33.00	1716.26	32.60	1718.06		
3/1/02	34.88	1714.61	37.24	1713.48	32.42	1716.84	30.98	1719.68		
5/1/02	28.82	1720.67	36.48	1714.24	31.00	1718.26	31.31	1719.35	34.00	1717.66
9/9/02	31.44	1720.26	33.40	1719.50	29.57	1721.88	30.50	1722.30	30.38	1721.28
12/9/02	30.19	1721.51	34.09	1718.81	30.02	1721.43	30.41	1722.39	29.73	1721.93
1/20/03	30.50	1721.20			30.80	1720.65	30.82	1721.98	27.96	1723.70
5/5/03	32.47	1719.23	34.90	1718.00	30.75	1720.70	29.95	1722.85	28.89	1722.77
7/9/03	29.14	1722.56	31.18	1721.72	29.24	1722.21	28.88	1723.92	28.23	1723.43
8/13/03	35.80	1715.90	34.40	1718.50	30.30	1721.15	30.60	1722.20	29.50	1722.16
9/8/03	28.72	1722.98	33.12	1719.78	30.10	1721.35	29.83	1722.97	29.23	1722.43
10/14/03	35.99	1715.71	36.23	1716.67	31.20	1720.25	31.09	1721.71	29.97	1721.69
11/12/03	36.11	1715.59	36.47	1716.43	31.64	1719.81	31.66	1721.14	30.48	1721.18
12/8/03	36.04	1715.66	36.97	1715.93	31.99	1719.46	31.29	1721.51	33.93	1717.73
1/9/04	35.65	1716.05	37.71	1715.19	32.40	1719.05	36.88	1715.92	41.91	1709.75
2/4/04	35.24	1716.46	38.09	1714.81	32.68	1718.77	36.15	1716.65	36.44	1715.22
3/15/04	34.59	1717.11	38.02	1714.88	32.91	1718.54	35.76	1717.04	39.27	1712.39
4/1/04	32.09	1719.61	34.76	1718.14	31.55	1719.90	34.11	1718.69	39.14	1712.52
5/3/04	35.60	1716.10	34.90	1718.00	31.06	1720.39	32.61	1720.19	42.39	1709.27
6/10/04	32.91	1718.79	33.76	1719.14	30.91	1720.54	32.81	1719.99	34.43	1717.23
7/12/04	35.89	1715.81	35.21	1717.69	31.51	1719.94	36.53	1716.27	42.33	1709.33
8/4/04	34.62	1717.08	31.73	1721.17	31.41	1720.04	33.42	1719.38	40.43	1711.23
9/7/04	34.18	1717.52	37.1	1715.80	32.23	1719.22	38.68	1714.12	41.89	1709.77
10/12/04	34.29	1717.41	37.38	1715.52	32.49	1718.96	36.84	1715.96	42.23	1709.43
11/10/04	33.58	1718.12	35.31	1717.59	31.44	1720.01	37.6	1715.20	37.43	1714.23
12/6/04	35.45	1716.25	34.63	1718.27	30.81	1720.64	37.93	1714.87	42.24	1709.42
1/8/05	29.03	1722.67	33.44	1719.46	30.19	1721.26	31.21	1721.59	30.81	1720.85
2/1/05	27.62	1724.08	32.45	1720.45	29.71	1721.74	31.34	1721.46	31.18	1720.48
3/10/05	27.62	1724.08	30.72	1722.18	28.93	1722.52	31.48	1721.32	30.81	1720.85

**KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA FACILITY
GROUNDWATER ELEVATIONS
SELECTED ON-SITE WELLS**

TOC-->	I-Q 1753.11		I-R 1751.35		I-S 1750.03		I-T 1751.65		I-U 1752.16	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
1/22/98										
2/11/98										
3/25/98										
4/27/98										
9/14/98	40.95	1712.16								
12/15/98	40.14	1712.97								
2/4/99	38.30	1714.81								
3/24/99	38.00	1715.11								
5/4/99	37.24	1715.87	31.22	1720.13	43.12	1706.91	40.00	1711.65	39.20	1712.96
8/9/99	36.58	1716.53	32.26	1719.09	35.95	1714.08	30.37	1721.28	31.16	1721.00
11/8/99	39.33	1713.78	33.35	1718.00	39.91	1710.12	42.00	1709.65	41.80	1710.36
1/31/00	39.15	1713.96	35.37	1715.98	41.63	1708.40	27.80	1723.85	38.42	1713.74
5/1/00			34.74	1716.61	38.78	1711.25	41.58	1710.07	37.30	1714.86
9/18/00	38.07	1715.04	37.73	1713.62	42.94	1707.09	40.89	1710.76	40.16	1712.00
11/13/00	37.35	1715.76	36.80	1714.55	41.90	1708.13	40.83	1710.82	40.30	1711.86
2/1/01	36.21	1716.90	36.99	1714.36	42.77	1707.26	42.82	1708.83	43.80	1708.36
5/1/01	36.53	1716.58	36.18	1715.17	29.50	1720.53	41.82	1709.83	43.10	1709.06
9/1/01	38.10	1715.01	38.10	1713.25	43.80	1706.23	40.35	1711.30		
11/1/01	37.90	1715.21	33.70	1717.65	36.75	1713.28	41.90	1709.75	36.00	1716.16
3/1/02	39.62	1713.49	35.38	1715.97	27.32	1722.71	41.40	1710.25	35.78	1716.38
5/1/02	38.15	1714.96	28.50	1722.85	28.50	1721.53	38.28	1713.37	32.70	1719.46
9/9/02	36.94	1716.17	29.75	1721.60	43.54	1706.49	39.38	1712.27	36.14	1716.02
12/9/02	37.13	1715.98	29.95	1721.40	43.48	1706.55	40.99	1710.66	33.44	1718.72
1/20/03	35.39	1717.72	32.68	1718.67	43.25	1706.78	38.51	1713.14	34.55	1717.61
5/5/03	39.44	1713.67	34.48	1716.87	42.75	1707.28	39.80	1711.85	42.33	1709.83
7/9/03	29.84	1723.27	28.97	1722.38	27.78	1722.25	29.25	1722.40	29.31	1722.85
8/13/03	35.00	1718.11	36.6	1714.75	42.10	1707.93	41.80	1709.85	39.80	1712.36
9/8/03	34.63	1718.48	29.14	1722.21	27.25	1722.78	39.84	1711.81	42.65	1709.51
10/14/03	36.7	1716.41	34.95	1716.40	43.23	1706.80	41.85	1709.80	42.63	1709.53
11/12/03	38.13	1714.98	40.19	1711.16	43.31	1706.72	43.72	1707.93	43.36	1708.80
12/8/03	38.07	1715.04	37.02	1714.33	43.32	1706.71	34.34	1717.31	42.71	1709.45
1/9/04	39.01	1714.1	37.08	1714.27	43.34	1706.69	42.93	1708.72	42.74	1709.42
2/4/04	34.73	1718.38	37.20	1714.15	43.34	1706.69	42.93	1708.72		
3/15/04	34.17	1718.94	36.79	1714.56	41.48	1708.55	42.51	1709.14	42.51	1709.65
4/1/04	34.44	1718.67	33.66	1717.69	28.16	1721.87	40.68	1710.97	43.43	1708.73
5/3/04	34.31	1718.80	34.07	1717.28	28.34	1721.69	41.57	1710.08	30.18	1721.98
6/10/04	37.69	1715.42	34.37	1716.98	29.24	1720.79	40.73	1710.92	29.94	1722.22
7/12/04	31.77	1721.34	38.69	1712.66	43.26	1706.77	43.47	1708.18	43.51	1708.65
8/4/04	37.09	1716.02	35.64	1715.71	40.47	1709.56	31.11	1720.54	42.91	1709.25
9/7/04	40.51	1712.60	37.01	1714.34	43.09	1706.94	73.71	1677.94	40.87	1711.29
10/12/04	40.4	1712.71	37.01	1714.34	43.15	1706.88	35.57	1716.08	37.87	1714.29
11/10/04	39.23	1713.88	37.08	1714.27	43.13	1706.90	39.56	1712.09	38.22	1713.94
12/6/04	34.32	1718.79	37.03	1714.32	43.11	1706.92	32.92	1718.73	35.01	1717.15
1/8/05	32.21	1720.90	36.47	1714.88	27.81	1722.22	38.56	1713.09	31.08	1721.08
2/1/05	32.26	1720.85	35.11	1716.24	27.21	1722.82	41.05	1710.60	36.62	1715.54
3/10/05	29.48	1723.63	30.51	1720.84	26.12	1723.91	32.56	1719.09	32.37	1719.79

**KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA FACILITY
GROUNDWATER ELEVATIONS
SELECTED ON-SITE WELLS**

TOC-->	I-V 1752.13		I-Z 1743.78		I-AR 1758.35		M-14/14A 1759.83		M-18 1740.48	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
	1/22/98							33.00	1725.83	21.03
2/11/98							33.91	1724.92	21.25	1717.03
3/25/98							33.00	1725.83	21.30	1716.98
4/27/98							33.44	1725.39	21.60	1716.68
9/14/98							34.38	1724.45	21.55	1716.73
12/15/98							32.88	1725.95	20.44	1717.84
2/4/99							32.76	1726.07	20.81	1717.47
3/24/99							32.20	1726.63	21.35	1716.93
5/4/99	40.19	1711.94					32.34	1726.49	21.74	1716.54
8/9/99	38.33	1713.80					34.12	1724.71	22.50	1715.78
11/8/99	40.50	1711.63					34.45	1724.38	23.00	1715.28
1/31/00	31.30	1720.83					34.17	1724.66	23.51	1714.77
5/1/00	39.48	1712.65					33.95	1724.88	23.86	1714.42
9/18/00	40.53	1711.60			43.95	1714.40	34.12	1724.71	24.57	1713.71
11/13/00	42.39	1709.74			43.03	1715.32	32.78	1726.05	24.80	1713.48
2/1/01	32.90	1719.23			43.90	1714.45	33.80	1725.03	26.62	1711.66
5/1/01	36.60	1715.53					33.73	1725.10	24.99	1713.29
9/1/01	43.40	1708.73					34.24	1724.59	dry	
11/1/01	33.00	1719.13			33.78	1724.57	34.23	1724.60	dry	
3/1/02	27.27	1724.86			43.49	1714.86	33.40	1725.43	dry	
5/1/02	29.98	1722.15			43.90	1714.45	33.42	1725.41	dry	
9/9/02	29.46	1722.67			40.00	1718.35	31.92	1727.91	dry	
12/9/02	28.51	1723.62			40.15	1718.20	32.92	1726.91	dry	
1/20/03	28.72	1723.41			40.91	1717.44	33.78	1726.05	28.21	1710.07
5/5/03	28.10	1724.03			41.98	1716.37	33.75	1726.08	28.92	1709.36
7/9/03	28.08	1724.05			43.82	1714.53	P&A		DRY	
8/13/03	28.90	1723.23			52.00	1706.35			DRY	
9/8/03	28.55	1723.58			43.92	1714.43			DRY	
10/14/03	29.37	1722.76			43.83	1714.52			28.63	1709.65
11/12/03	30.10	1722.03	26.27	1717.51	43.90	1714.45			DRY	
12/8/03	31.35	1720.78	30.10	1713.68	43.93	1714.42			28.38	1709.90
1/9/04	31.56	1720.57	29.97	1713.81	43.95	1714.4			28.95	1709.33
2/4/04	31.45	1720.68	29.86	1713.92	43.93	1714.42			29.04	1709.24
3/15/04	31.59	1720.54	29.71	1714.07	43.98	1714.37			28.88	1709.40
4/1/04	31.41	1720.72	28.28	1715.50	43.93	1714.42			29.02	1709.26
5/3/04	31.31	1720.82	29.95	1713.83	43.84	1714.51			29.03	1709.25
6/10/04	30.88	1721.25	22.16	1721.62	43.89	1714.46			29.15	1709.13
7/12/04	31.71	1720.42	32.58	1711.20	44.01	1714.34			29.04	1709.24
8/4/04	31.41	1720.72	32.74	1711.04	43.44	1714.91			29.08	1709.20
9/7/04	31.51	1720.62	32.79	1710.99	30.04	1728.31			28.97	1709.31
10/12/04	31.68	1720.45	32.87	1710.91	42.97	1715.38			29.02	1709.26
11/10/04	31.72	1720.41	33.38	1710.40	42.97	1715.38			29.06	1709.22
12/6/04	31.38	1720.75	34.02	1709.76	41.68	1716.67			28.66	1709.62
1/8/05	29.91	1722.22	29.75	1714.03	29.91	1728.44			28.11	1710.17
2/1/05	30.18	1721.95	32.93	1710.85	27.81	1730.54	31.64	1728.19	28.08	1710.20
3/10/05	29.76	1722.37	32.76	1711.02	41.24	1717.11	31.13	1728.7	27.93	1710.35

**KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA FACILITY
GROUNDWATER ELEVATIONS
SELECTED ON-SITE WELLS**

TOC-->	M-19 1766.77		M-22A 1759.46		M-25 1759.93		M-27 1742.25		M-36 1759.82	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
1/22/98	32.15	1734.11	28.60	1729.16	33.00	1724.82	DRY		31.12	1726.82
2/11/98	33.10	1733.16	28.52	1729.24	33.05	1724.77	DRY		31.20	1726.74
3/25/98	31.95	1734.31	28.65	1729.11	33.00	1724.82	DRY		31.20	1726.74
4/27/98	32.40	1733.86	29.00	1728.76	33.05	1724.77	DRY		31.31	1726.63
9/14/98	32.17	1734.09	28.60	1729.16	33.72	1724.10	DRY		31.82	1726.12
12/15/98	32.18	1734.08	29.10	1728.66	33.41	1724.41	26.00	1714.16	31.67	1726.27
2/4/99	32.69	1733.57	29.00	1728.76	33.35	1724.47	DRY		31.47	1726.47
3/24/99	33.00	1733.26	29.00	1728.76	33.40	1724.42	26.00	1716.25	31.60	1726.34
5/4/99	33.03	1733.23	29.26	1728.50	33.33	1724.49	DRY		31.48	1726.46
8/9/99	33.79	1732.47	29.90	1727.86	33.76	1724.06	DRY		32.09	1725.85
11/8/99	33.80	1732.46	30.31	1727.45	34.00	1723.82	DRY		32.42	1725.52
1/31/00	34.40	1731.86	30.29	1727.47	33.70	1724.12	DRY		32.30	1725.64
5/1/00	34.50	1731.76	30.36	1727.40	33.53	1724.29	DRY		32.29	1725.65
9/18/00	35.24	1731.02	30.91	1726.85	34.11	1723.71	DRY		32.79	1725.15
11/13/00	33.97	1732.29	30.95	1726.81	33.95	1723.87	DRY		32.70	1725.24
2/1/01	34.93	1731.33	30.92	1726.84	33.93	1723.89	DRY		33.73	1724.21
5/1/01	35.06	1731.20	30.73	1727.03	33.58	1724.24	DRY		32.47	1725.47
9/1/01	35.33	1730.93	30.77	1726.99	33.77	1724.05	DRY		32.43	1725.51
11/1/01	35.00	1731.26	30.00	1727.76	33.42	1724.40	DRY		31.95	1725.99
3/1/02	34.00	1732.26	29.56	1728.20	33.20	1724.62	DRY		31.78	1726.16
5/1/02	34.02	1732.24	29.18	1728.58	32.82	1725.00	DRY		31.35	1726.59
9/9/02	34.22	1732.55	29.08	1730.38	32.30	1727.63	23.25	1719.00	31.22	1728.60
12/9/02	35.73	1731.04	29.23	1730.23	33.07	1726.86	23.72	1718.53	31.47	1728.35
1/20/03	35.27	1731.50	29.25	1730.21	33.27	1726.66	23.71	1718.54	31.59	1728.23
5/5/03	35.10	1731.67	29.36	1730.10	33.23	1726.70	DRY		31.61	1728.21
7/9/03	35.89	1730.88	29.49	1729.97	33.36	1726.57	DRY		31.76	1728.06
8/13/03	34.80	1731.97	29.60	1729.86	33.35	1726.58	DRY		31.8	1728.02
9/8/03	34.18	1732.59	29.56	1729.9	33.34	1726.59	DRY		31.75	1728.07
10/14/03	34.89	1731.88	29.74	1729.72	33.63	1726.30	DRY		31.97	1727.85
11/12/03	34.98	1731.79	29.97	1729.49	33.76	1726.17	DRY		32.13	1727.69
12/8/03	35.17	1731.6	30.37	1729.09	33.84	1726.09	DRY		32.35	1727.47
1/9/04	35.41	1731.36	30.62	1728.84	33.91	1726.02	DRY			
2/4/04	35.44	1731.33	30.77	1728.69	33.96	1725.97	DRY		32.63	1727.19
3/15/04	35.36	1731.41	30.67	1728.79	33.82	1726.11	DRY		32.56	1727.26
4/1/04	35.23	1731.54	30.42	1729.04	33.12	1726.81	DRY		32.23	1727.59
5/3/04	34.91	1731.86	30.15	1729.31	32.73	1727.20	DRY		30.77	1729.05
6/10/04	35.09	1731.68	30.19	1729.27	33.11	1726.82	DRY		31.99	1727.83
7/12/04	35.39	1731.38	30.51	1728.95	33.46	1726.47	DRY		32.23	1727.59
8/4/04	35.51	1731.26	30.53	1728.93	33.48	1726.45	DRY		32.28	1727.54
9/7/04	34.82	1731.95	30.51	1728.95	33.74	1726.19	DRY		32.41	1727.41
10/12/04	35.32	1731.45	30.54	1728.92	32.97	1726.96	DRY		32.34	1727.48
11/10/04	35.23	1731.54	30.47	1728.99	32.45	1727.48	DRY		32.09	1727.73
12/6/04	34.07	1732.70	30.01	1729.45	32.63	1727.30	DRY		31.81	1728.01
1/8/05	33.47	1733.30	29.44	1730.02	32.18	1727.75	DRY		31.29	1728.53
2/1/05	33.32	1733.45	29.26	1730.20	31.93	1728.00	DRY		31.24	1728.58
3/10/05	32.92	1733.85	28.84	1730.62	31.32	1728.61	DRY		30.91	1728.91

**KERR-McGEE CHEMICAL LLC
 HENDERSON, NEVADA FACILITY
 GROUNDWATER ELEVATIONS
 SELECTED ON-SITE WELLS**

TOC-->	M-37		M-38		M-39		M-61		M-64	
	1761.06		1759.73		1761.13		1746.84		1749.76	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW		DTW	ELEV
1/22/98	31.22	1728.06	30.73	1727.21	29.65	1729.66	22.45	1723.10	28.45	1721.31
2/11/98	31.37	1727.91	30.70	1727.24	29.44	1729.87	22.90	1722.65	28.70	1721.06
3/25/98	31.20	1728.08	30.70	1727.24	29.65	1729.66	23.10	1722.45	29.60	1720.16
4/27/98	31.41	1727.87	30.74	1727.20	30.06	1729.25	23.49	1722.06	29.47	1720.29
9/14/98	32.04	1727.24	31.21	1726.73	30.63	1728.68	23.22	1722.33	30.40	1719.36
12/15/98	31.42	1727.86	31.05	1726.89	29.28	1730.03	23.55	1722.00	30.15	1719.61
2/4/99	31.43	1727.85	30.94	1727.00	30.02	1729.29	22.40	1723.15	30.10	1719.66
3/24/99	31.60	1727.68	31.00	1726.94	30.38	1728.93	23.33	1722.22	30.40	1719.36
5/4/99	31.43	1727.85	30.90	1727.04	30.59	1728.72	23.70	1721.85	30.55	1719.21
8/9/99	32.11	1727.17	31.31	1726.63	31.12	1728.19	24.20	1721.35	30.82	1718.94
11/8/99	32.51	1726.77	31.48	1726.46	31.60	1727.71	24.85	1720.70	32.03	1717.73
1/31/00	32.09	1727.19	31.31	1726.63	31.58	1727.73	24.99	1720.56	30.81	1718.95
5/1/00	31.55	1727.73	31.30	1726.64	31.70	1727.61	25.11	1720.44	30.35	1719.41
9/18/00	32.29	1726.99	31.91	1726.03	32.26	1727.05	25.20	1720.35	31.90	1717.86
11/13/00	33.00	1726.28	31.40	1726.54	32.22	1727.09	25.10	1720.45	31.80	1717.96
2/1/01	34.09	1725.19	31.42	1726.52	32.23	1727.08	27.23	1718.32	32.87	1716.89
5/1/01	32.62	1726.66	31.17	1726.77	32.10	1727.21	25.82	1719.73	30.43	1719.33
9/1/01	32.04	1727.24	31.38	1726.56	31.96	1727.35	24.60	1720.95	32.22	1717.54
11/1/01	32.10	1727.18	31.32	1726.62	31.54	1727.77	23.12	1722.43	30.31	1719.45
3/1/02	32.10	1727.18	31.10	1726.84	31.10	1728.21	23.15	1722.40	28.88	1720.88
5/1/02	31.51	1727.77	30.81	1727.13	30.60	1728.71	21.31	1724.24	28.60	1721.16
9/9/02	30.94	1730.12	32.75	1726.98	30.62	1730.51	22.20	1724.64	27.85	1721.91
12/9/02	32.04	1729.02	31.01	1728.72	30.72	1730.41	21.95	1724.89	28.67	1721.09
1/20/03	33.23	1727.83	31.05	1728.68	30.66	1730.47	23.18	1723.66	28.82	1720.94
5/5/03	32.90	1728.16	31.07	1728.66	30.80	1730.33	22.32	1724.52	28.81	1720.95
7/9/03	32.41	1728.65	31.11	1728.62	30.99	1730.14	22.08	1724.76	29.17	1720.59
8/13/03	32.3	1728.76	21.1	1738.63	21.13	1740.00	22.63	1724.21	29.50	1720.26
9/8/03	32.68	1728.38	31.17	1728.56	31.08	1730.05	22.63	1724.21	28.91	1720.85
10/14/03	33.76	1727.3	31.25	1728.48	31.22	1729.91	22.89	1723.95	29.37	1720.39
11/12/03	34.13	1726.93	31.36	1728.37	31.42	1729.71	23.47	1723.37	29.51	1720.25
12/8/03	34.31	1726.75	31.43	1728.3	31.83	1729.3	24.11	1722.73	29.64	1720.12
1/9/04	34.03	1727.03	31.51	1728.22	32.06	1729.07			29.76	1720.00
2/4/04	34.03	1727.03	31.54	1728.19	32.18	1728.95	24.27	1722.57	29.85	1719.91
3/15/04	34.31	1726.75	31.41	1728.32	31.99	1729.14	24.18	1722.66	29.81	1719.95
4/1/04	32.28	1728.78	30.91	1728.82	31.81	1729.32	24.05	1722.79	29.10	1720.66
5/3/04	31.59	1729.47	30.77	1728.96	31.65	1729.48	24.13	1722.71	28.57	1721.19
6/10/04	32.37	1728.69	31.08	1728.65	31.68	1729.45	23.86	1722.98	28.72	1721.04
7/12/04	32.81	1728.25	31.28	1728.45	32.04	1729.09	24.34	1722.50	29.22	1720.54
8/4/04	32.09	1728.97	31.25	1728.48	32.06	1729.07	24.09	1722.75	29.42	1720.34
9/7/04	32.31	1728.75	31.39	1728.34	31.84	1729.29	24.19	1722.65	29.54	1720.22
10/12/04	31.61	1729.45	30.08	1729.65	32.05	1729.08	24.31	1722.53	29.61	1720.15
11/10/04	30.79	1730.27	30.84	1728.89	32.02	1729.11	24.37	1722.47	28.83	1720.93
12/6/04	31.31	1729.75	30.79	1728.94	31.35	1729.78	23.99	1722.85	28.73	1721.03
1/8/05	30.48	1730.58	30.47	1729.26	30.69	1730.44	23.09	1723.75	28.19	1721.57
2/1/05	30.6	1730.46	30.41	1729.32	30.51	1730.62	23.04	1723.80	27.68	1722.08
3/10/05	30.35	1730.71	29.99	1729.74	30.19	1730.94	22.77	1724.07	26.84	1722.92

**KERR-McGEE CHEMICAL LLC
 HENDERSON, NEVADA FACILITY
 GROUNDWATER ELEVATIONS
 SELECTED ON-SITE WELLS**

TOC-->	M-65 1753.91		M-66 1754.24		M-67 1745.91		M-68 1748.73		M-69 1749.76	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
1/22/98	31.95	1720.93	29.42	1722.91	20.00	1724.98	22.00	1725.44	28.85	1719.92
2/11/98	32.10	1720.78	29.70	1722.63	20.35	1724.63	21.80	1725.64	28.70	1720.07
3/25/98	32.15	1720.73	29.80	1722.53	20.48	1724.50	22.20	1725.24	30.00	1718.77
4/27/98	32.35	1720.53	30.12	1722.21	20.80	1724.18	22.67	1724.77	29.32	1719.45
9/14/98	32.69	1720.19	30.42	1721.91	20.79	1724.19	22.40	1725.04	30.58	1718.19
12/15/98	32.60	1720.28	30.55	1721.78	21.00	1723.98	22.20	1725.24	30.18	1718.59
2/4/99	32.35	1720.53	29.58	1722.75	20.10	1724.88	21.60	1725.84	30.00	1718.77
3/24/99	32.53	1720.35	29.90	1722.43	20.54	1724.44	22.90	1724.54	30.50	1718.27
5/4/99	32.64	1720.24	30.35	1721.98	20.90	1724.08	23.18	1724.26	31.14	1717.63
8/9/99	32.90	1719.98	30.89	1721.44	21.42	1723.56	23.60	1723.84	31.52	1717.25
11/8/99	33.00	1719.88	31.45	1720.88	22.04	1722.94	24.29	1723.15	31.92	1716.85
1/31/00	32.95	1719.93	31.47	1720.86	22.03	1722.95	24.01	1723.43	32.00	1716.77
5/1/00	32.87	1720.01	31.60	1720.73	22.24	1722.74	24.52	1722.92	31.31	1717.46
9/18/00	33.10	1719.78	31.80	1720.53	22.41	1722.57	24.86	1722.58	32.20	1716.57
11/13/00	33.05	1719.83	31.85	1720.48	22.40	1722.58	24.68	1722.76	32.10	1716.67
2/1/01	34.61	1718.27	31.89	1720.44			26.29	1721.15	31.99	1716.78
5/1/01	33.22	1719.66	32.10	1720.23	22.75	1722.23	25.75	1721.69	31.30	1717.47
9/1/01	33.93	1718.95	31.57	1720.76	21.77	1723.21	25.49	1721.95	33.50	1715.27
11/1/01	31.91	1720.97	29.86	1722.47	20.38	1724.60	24.14	1723.30	33.42	1715.35
3/1/02	31.32	1721.56	29.20	1723.13	19.99	1724.99	24.00	1723.44	33.03	1715.74
5/1/02	30.48	1722.40	29.29	1723.04	19.70	1725.28	24.92	1722.52	33.28	1715.49
9/9/02	29.53	1724.38	28.80	1725.44	19.43	1726.48	23.26	1725.47	31.96	1717.80
12/9/02	30.04	1723.87	28.92	1725.32	19.45	1726.46	23.12	1725.61	32.12	1717.64
1/20/03	31.62	1722.29	29.09	1725.15			24.85	1723.88	32.42	1717.34
5/5/03	30.35	1723.56	28.76	1725.48	19.48	1726.43	23.48	1725.25	32.00	1717.76
7/9/03	30.81	1723.10	29.28	1724.96	19.80	1726.11	23.41	1725.32	32.30	1717.46
8/13/03	31.80	1722.11	29.32	1724.92	19.80	1726.11	25.80	1722.93	33.38	1716.38
9/8/03	30.48	1723.43	29.18	1725.06	19.88	1726.03	23.74	1724.99	33.15	1716.61
10/14/03	31.10	1722.81	29.65	1724.59	20.10	1725.81	23.92	1724.81	32.91	1716.85
11/12/03	31.37	1722.54	30.04	1724.20	20.99	1724.92	24.22	1724.51	31.04	1718.72
12/8/03	31.69	1722.22	30.86	1723.38	21.64	1724.27	24.67	1724.06	30.70	1719.06
1/9/04	31.97	1721.94	31.11	1723.13	21.83	1724.08	24.86	1723.87	30.98	1718.78
2/4/04	32.44	1721.47	31.22	1723.02	21.94	1723.97	24.86	1723.87	31.04	1718.72
3/15/04	32.28	1721.63	31.22	1723.02	21.84	1724.07	24.62	1724.11	31.52	1718.24
4/1/04	31.54	1722.37	31.01	1723.23	21.96	1723.95	24.62	1724.11	31.81	1717.95
5/3/04	30.76	1723.15	30.78	1723.46	21.67	1724.24	24.67	1724.06	31.71	1718.05
6/10/04	30.72	1723.19	30.73	1723.51	21.31	1724.60	34.57	1714.16	30.78	1718.98
7/12/04	31.19	1722.72	31.09	1723.15	21.98	1723.93	24.98	1723.75	31.44	1718.32
8/4/04	31.37	1722.54	31.04	1723.20	21.76	1724.15	25.63	1723.10	31.99	1717.77
9/7/04	31.77	1722.14	31.02	1723.22	21.82	1724.09	24.71	1724.02	32.04	1717.72
10/12/04	32.11	1721.80	31.14	1723.10			24.92	1723.81	32.26	1717.50
11/10/04	31.22	1722.69	31.13	1723.11	21.97	1723.94	24.88	1723.85	32.17	1717.59
12/6/04	30.59	1723.32	30.74	1723.50	21.56	1724.35	24.37	1724.36	32.02	1717.74
1/8/05	29.95	1723.96	29.32	1724.92	20.81	1725.10	23.13	1725.60	31.54	1718.22
2/1/05	30.78	1723.13	29.64	1724.60	20.71	1725.20	23.29	1725.44	31.11	1718.65
3/10/05	28.94	1724.97	29.31	1724.93	20.37	1725.54	22.96	1725.77	30.76	1719.00

**KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA FACILITY
GROUNDWATER ELEVATIONS
SELECTED ON-SITE WELLS**

TOC-->	M-70 1748.25		M-71 1747.05		M-72 1746.5		M-73 1741.15		M-74 1744.38	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
1/22/98	28.74	1718.22	29.65	1716.23	25.40	1719.89	19.70	1720.35	21.85	1721.57
2/11/98	28.77	1718.19	30.02	1715.86	25.47	1719.82	20.00	1720.05	22.10	1721.32
3/25/98	28.40	1718.56	29.37	1716.51	25.70	1719.59	20.15	1719.90	22.34	1721.08
4/27/98	27.84	1719.12	29.46	1716.42	27.22	1718.07	20.46	1719.59	22.80	1720.62
9/14/98	29.32	1717.64	29.40	1716.48	25.99	1719.30	20.27	1719.78	22.38	1721.04
12/15/98	29.15	1717.81	28.29	1717.59	25.74	1719.55	19.74	1720.31	22.80	1720.62
2/4/99	29.65	1717.31	29.40	1716.48	25.32	1719.97	19.64	1720.41	20.00	1723.42
3/24/99	30.40	1716.56	30.00	1715.88	25.58	1719.71	19.84	1720.21	22.65	1720.77
5/4/99	30.91	1716.05	30.78	1715.10	26.22	1719.07	20.44	1719.61	23.02	1720.40
8/9/99	31.00	1715.96	30.97	1714.91	27.22	1718.07	21.21	1718.84	23.58	1719.84
11/8/99	31.14	1715.82	31.55	1714.33	27.78	1717.51	21.58	1718.47	24.20	1719.22
1/31/00	31.10	1715.86	31.63	1714.25	28.30	1716.99	22.03	1718.02	24.34	1719.08
5/1/00	30.87	1716.09	31.07	1714.81	28.37	1716.92	22.17	1717.88	24.77	1718.65
9/18/00	31.65	1715.31	32.14	1713.74	28.91	1716.38	22.84	1717.21	24.55	1718.87
11/13/00	31.60	1715.36	31.90	1713.98	28.99	1716.30	22.98	1717.07	24.70	1718.72
2/1/01	32.40	1714.56	32.16	1713.72	29.17	1716.12	23.07	1716.98	26.65	1716.77
5/1/01	30.22	1716.74	31.97	1713.91	29.03	1716.26	23.03	1717.02	25.72	1717.70
9/1/01	31.78	1715.18	32.92	1712.96	29.33	1715.96	26.60	1713.45		
11/1/01	33.55	1713.41	32.40	1713.48	30.39	1714.90	28.53	1711.52	28.59	1714.83
3/1/02	32.55	1714.41	29.10	1716.78	30.30	1714.99	28.75	1711.30	27.98	1715.44
5/1/02	33.95	1713.01	30.31	1715.57	31.65	1713.64	28.80	1711.25	27.57	1715.85
9/9/02	30.05	1718.20	26.34	1720.71	29.76	1716.74	28.57	1712.58	27.41	1716.97
12/9/02	30.30	1717.95	26.91	1720.14	29.84	1716.66	28.44	1712.71	27.35	1717.03
1/20/03	29.70	1718.55	27.32	1719.73	30.78	1715.72	29.51	1711.64	28.55	1715.83
5/5/03	30.30	1717.95	28.18	1718.87	30.07	1716.43	29.95	1711.20	28.10	1716.28
7/9/03	30.32	1717.93	27.45	1719.60	30.90	1715.60	29.65	1711.50	28.82	1715.56
8/13/03	30.20	1718.05	27.00	1720.05	29.42	1717.08	28.30	1712.85	27.82	1716.56
9/8/03	31.1	1717.15	28.38	1718.67	29.80	1716.70	28.54	1712.61	27.87	1716.51
10/14/03	29.82	1718.43	29.22	1717.83	30.04	1716.46	28.72	1712.43	27.96	1716.42
11/12/03	27.96	1720.29	30.21	1716.84	31.24	1715.26	28.87	1712.28	28.10	1716.28
12/8/03	28.06	1720.19	29.76	1717.29	31.43	1715.07	28.91	1712.24	28.32	1716.06
1/9/04	28.63	1719.62	29.66	1717.39	29.99	1716.51	28.91	1712.24	28.48	1715.9
2/4/04	28.87	1719.38	29.33	1717.72	29.82	1716.68	28.76	1712.39	28.54	1715.84
3/15/04	29.09	1719.16	28.57	1718.48	31.24	1715.26	28.94	1712.21	28.11	1716.27
4/1/04	29.53	1718.72	29.11	1717.94	31.35	1715.15	29.03	1712.12	28.35	1716.03
5/3/04	29.31	1718.94	28.91	1718.14	31.21	1715.29	28.91	1712.24	28.49	1715.89
6/10/04	28.78	1719.47	29.45	1717.60	31.34	1715.16	28.94	1712.21	28.58	1715.80
7/12/04	28.84	1719.41	28.41	1718.64	29.77	1716.73	28.71	1712.44	28.72	1715.66
8/4/04	29.72	1718.53	29.61	1717.44	29.76	1716.74	28.54	1712.61	26.68	1717.70
9/7/04	30.66	1717.59	29.92	1717.13	29.49	1717.01	28.21	1712.94	28.52	1715.86
10/12/04	31.05	1717.20	30.23	1716.82	29.61	1716.89	28.29	1712.86	28.66	1715.72
11/10/04	30.91	1717.34	29.69	1717.36	29.51	1716.99	28.16	1712.99	28.74	1715.64
12/6/04	30.78	1717.47	29.42	1717.63	29.44	1717.06	27.92	1713.23	28.07	1716.31
1/8/05	29.98	1718.27	27.86	1719.19	27.71	1718.79	26.98	1714.17	26.99	1717.39
2/1/05	28.88	1719.37	27.13	1719.92	27.84	1718.66	26.56	1714.59	26.62	1717.76
3/10/05	29.67	1718.58	28.71	1718.34	28.95	1717.55	26.71	1714.44	26.56	1717.82

**KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA FACILITY
GROUNDWATER ELEVATIONS
SELECTED ON-SITE WELLS**

TOC-->	M-79 1742.54		M-80 1746.04		M-81A 1744.16		M-83 1742.36		M-84 1741.03	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
1/22/98	25.65	1717.28	31.52	1714.21	26.80	1715.28	26.29	1714.54	25.85	1713.78
2/11/98	25.35	1717.58	30.70	1715.03	26.20	1715.88	26.40	1714.43	25.87	1713.76
3/25/98	25.55	1717.38	30.10	1715.63	26.35	1715.73	24.72	1716.11	24.40	1715.23
4/27/98	25.56	1717.37	28.12	1717.61	26.55	1715.53	24.35	1716.48	24.22	1715.41
9/14/98	25.10	1717.83	31.00	1714.73	25.60	1716.48	26.57	1714.26	25.05	1714.58
12/15/98	25.25	1717.68	31.00	1714.73	25.40	1716.68	25.72	1715.11	24.66	1714.97
2/4/99	26.85	1716.08	31.14	1714.59	24.60	1717.48	26.46	1714.37	25.10	1714.53
3/24/99	27.72	1715.21	31.95	1713.78	25.98	1716.10	27.20	1713.63	25.90	1713.73
5/4/99	28.28	1714.65	32.56	1713.17	26.92	1715.16	27.89	1712.94	26.60	1713.03
8/9/99	28.68	1714.25	33.05	1712.68	27.89	1714.19	28.82	1712.01	27.23	1712.40
11/8/99	29.15	1713.78	33.40	1712.33	29.10	1712.98	29.37	1711.46	27.53	1712.10
1/31/00	29.21	1713.72	32.18	1713.55	30.19	1711.89	29.48	1711.35	28.14	1711.49
5/1/00	28.80	1714.13	33.60	1712.13	30.09	1711.99	29.18	1711.65	27.93	1711.70
9/18/00	29.15	1713.78	34.75	1710.98	31.30	1710.78	29.75	1711.08	29.34	1710.29
11/13/00	29.05	1713.88	34.80	1710.93	31.38	1710.70	29.73	1711.10	29.42	1710.21
2/1/01	29.42	1713.51	34.77	1710.96	31.79	1710.29	29.70	1711.13	29.50	1710.13
5/1/01	28.43	1714.50	33.88	1711.85	31.58	1710.50	27.78	1713.05	28.29	1711.34
9/1/01	30.86	1712.07	34.65	1711.08	32.27	1709.81	30.22	1710.61	29.18	1710.45
11/1/01	31.69	1711.24	33.60	1712.13	28.74	1713.34	28.60	1712.23	27.94	1711.69
3/1/02	30.00	1712.93	31.24	1714.49	28.96	1713.12	28.13	1712.70	25.28	1714.35
5/1/02	30.84	1712.09	32.45	1713.28	30.65	1711.43	30.02	1710.81	26.52	1713.11
9/9/02	28.78	1713.76	25.55	1720.49	26.99	1717.17	24.60	1717.76	21.54	1719.49
12/9/02	28.61	1713.93	27.79	1718.25	27.89	1716.27	25.39	1716.97	22.12	1718.91
1/20/03	26.14	1716.40	27.73	1718.31	26.33	1717.83	24.52	1717.84	22.24	1718.79
5/5/03	28.10	1714.44	29.72	1716.32	26.61	1717.55	26.23	1716.13	24.41	1716.62
7/9/03	28.52	1714.02	27.71	1718.33	26.81	1717.35	26.21	1716.15	23.81	1717.22
8/13/03	28.60	1713.94	27.50	1718.54	26.00	1718.16	26.00	1716.36	23.55	1717.48
9/8/03	29.53	1713.01	28.74	1717.30	27.28	1716.88	26.88	1715.48	24.71	1716.32
10/14/03	28.43	1714.11	28.67	1717.37	28.34	1715.82	25.78	1716.58	24.78	1716.25
11/12/03	24.33	1718.21	29.48	1716.56	29.21	1714.95	24.72	1717.64	25.42	1715.61
12/8/03	25.18	1717.36	29.17	1716.87	27.72	1716.44	24.88	1717.48	25.14	1715.89
1/9/04	26.47	1716.07	29.41	1716.63	26.72	1717.44	25.51	1716.85	25.29	1715.74
2/4/04	26.47	1716.07	28.99	1717.05	26.73	1717.43	25.28	1717.08	24.93	1716.1
3/15/04	27.58	1714.96	27.39	1718.65	28.14	1716.02	25.28	1717.08	24.12	1716.91
4/1/04	27.63	1714.91	28.44	1717.60	27.77	1716.39	25.93	1716.43	24.83	1716.20
5/3/04	27.73	1714.81	27.62	1718.42	26.96	1717.20	25.68	1716.68	24.25	1716.78
6/10/04	25.29	1717.25	28.49	1717.55	27.18	1716.98	25.48	1716.88	24.84	1716.19
7/12/04	26.82	1715.72	26.95	1719.09	25.63	1718.53	25.03	1717.33	23.67	1717.36
8/4/04	27.13	1715.41	29.05	1716.99	25.63	1718.53	26.14	1716.22	25.22	1715.81
9/7/04	27.78	1714.76	29.99	1716.05	26.69	1717.47	26.76	1715.6	25.88	1715.15
10/12/04	28.21	1714.33	30.29	1715.75	25.34	1718.82	27.37	1714.99	27.04	1713.99
11/10/04	28.26	1714.28	29.89	1716.15	24.78	1719.38	27.31	1715.05	25.94	1715.09
12/6/04	28.16	1714.38	29.68	1716.36	24.92	1719.24	27.1	1715.26	25.69	1715.34
1/8/05	27.66	1714.88	28.52	1717.52	28.52	1715.64	25.92	1716.44	24.44	1716.59
2/1/05	27.04	1715.50	27.16	1718.88	27.16	1717.00	25.26	1717.1	23.65	1717.38
3/10/05	27.32	1715.22	28.73	1717.31	28.73	1715.43	25.94	1716.42	24.84	1716.19

**KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA FACILITY
GROUNDWATER ELEVATIONS
SELECTED ON-SITE WELLS**

TOC-->	M-85 1741.19		M-86 1744.23		M-87 1744.13		M-88 1739.36		M-89 1766.2	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
1/22/98	27.55	1713.64	27.88	1714.85	27.32	1714.95	22.50	1715.49	32.56	1732.69
2/11/98	27.43	1713.76	27.43	1715.30	27.22	1715.05	22.58	1715.41	32.31	1732.94
3/25/98	26.57	1714.62	27.48	1715.25	27.35	1714.92	22.70	1715.29	32.45	1732.80
4/27/98	26.66	1714.53	27.77	1714.96	27.63	1714.64	22.64	1715.35	32.59	1732.66
9/14/98	25.53	1715.66	26.42	1716.31	26.70	1715.57	22.78	1715.21	33.43	1731.82
12/15/98	25.80	1715.39	26.59	1716.14	26.68	1715.59	21.63	1716.36	33.13	1732.12
2/4/99	25.27	1715.92	26.70	1716.03	26.32	1715.95	22.81	1715.18	32.95	1732.30
3/24/99	26.22	1714.97	27.00	1715.73	27.13	1715.14	22.53	1715.46	33.00	1732.25
5/4/99	27.37	1713.82	27.88	1714.85	27.49	1714.78	22.87	1715.12	32.84	1732.41
8/9/99	27.49	1713.70	28.78	1713.95	28.52	1713.75	23.78	1714.21	33.51	1731.74
11/8/99	28.74	1712.45	29.92	1712.81	29.05	1713.22	24.54	1713.45	33.83	1731.42
1/31/00	29.42	1711.77	30.51	1712.22	29.65	1712.62	24.92	1713.07	33.43	1731.82
5/1/00	29.41	1711.78	30.80	1711.93	30.01	1712.26	25.25	1712.74	33.46	1731.79
9/18/00	31.14	1710.05	31.90	1710.83	30.75	1711.52	26.06	1711.93	33.93	1731.32
11/13/00	31.20	1709.99	32.03	1710.70	31.06	1711.21	26.34	1711.65	33.09	1732.16
2/1/01	31.62	1709.57	32.52	1710.21	31.40	1710.87	26.65	1711.34	33.71	1731.54
5/1/01	31.03	1710.16	32.45	1710.28	31.44	1710.83	26.77	1711.22	33.47	1731.78
9/1/01	31.62	1709.57	33.00	1709.73	32.47	1709.80	27.98	1710.01	33.89	1731.36
11/1/01	28.88	1712.31	30.25	1712.48	35.35	1706.92	30.34	1707.65	33.73	1731.52
3/1/02	26.22	1714.97	30.00	1712.73	35.29	1706.98	30.49	1707.50	33.09	1732.16
5/1/02	27.21	1713.98	31.80	1710.93	36.00	1706.27	30.70	1707.29	32.83	1732.42
9/9/02	23.01	1718.18	28.25	1715.98	34.67	1709.46	30.50	1708.86	32.92	1733.28
12/9/02	23.66	1717.53	29.96	1714.27	34.60	1709.53	30.54	1708.82	33.31	1732.89
1/20/03	23.69	1717.50	28.18	1716.05	34.24	1709.89	31.23	1708.13	33.29	1732.91
5/5/03	25.57	1715.62	28.39	1715.84	33.69	1710.44	30.41	1708.95	33.37	1732.83
7/9/03	24.50	1716.69	28.52	1715.71	34.03	1710.10	30.57	1708.79	33.46	1732.74
8/13/03	23.95	1717.24	27.80	1716.43	33.75	1710.38	30.50	1708.86	33.50	1732.70
9/8/03	25.23	1715.96	28.76	1715.47	34.12	1710.01	30.62	1708.74	33.54	1732.66
10/14/03	26.00	1715.19	29.51	1714.72	34.54	1709.59	30.73	1708.63	33.67	1732.53
11/12/03	27.33	1713.86	30.25	1713.98	34.95	1709.18	30.84	1708.52	30.77	1735.43
12/8/03	26.63	1714.56	29.31	1714.92	34.94	1709.19	30.93	1708.43	33.84	1732.36
1/9/04	26.46	1714.73	28.57	1715.66	34.23	1709.9	30.97	1708.39	33.94	1732.26
2/4/04	26.62	1714.57	28.63	1715.6	34.59	1709.54	30.89	1708.47	33.99	1732.21
3/15/04	26.18	1715.01	29.45	1714.78	34.59	1709.54	30.68	1708.68	33.77	1732.43
4/1/04	26.51	1714.68	29.33	1714.90	34.79	1709.34	31.03	1708.33	32.15	1734.05
5/3/04	26.33	1714.86	28.73	1715.50	34.33	1709.80	30.89	1708.47	32.73	1733.47
6/10/04	26.77	1714.42	28.98	1715.25	34.42	1709.71	31.04	1708.32	33.21	1732.99
7/12/04	25.91	1715.28	27.81	1716.42	33.79	1710.34	30.93	1708.43	33.57	1732.63
8/4/04	26.63	1714.56	28.06	1716.17	34.28	1709.85	30.79	1708.57	33.57	1732.63
9/7/04	27.03	1714.16	28.33	1715.90	33.06	1711.07	30.68	1708.68	33.76	1732.44
10/12/04	26.96	1714.23	27.73	1716.50	33.23	1710.9	30.68	1708.68	33.33	1732.87
11/10/04	26.64	1714.55	27.32	1716.91	32.89	1711.24	30.66	1708.70	32.96	1733.24
12/6/04	26.48	1714.71	27.34	1716.89	32.71	1711.42	30.46	1708.90	32.77	1733.43
1/8/05	24.82	1716.37	26.16	1718.07	31.19	1712.94	29.64	1709.72	32.27	1733.93
2/1/05	24.43	1716.76	25.31	1718.92	31.01	1713.12	29.15	1710.21	32.27	1733.93
3/10/05	25.96	1715.23	27.42	1716.81	31.51	1712.62	29.06	1710.30	31.84	1734.36

APPENDIX B
GROUNDWATER ELEVATIONS OF SELECTED
OFF-SITE WELLS

**KERR-McGEE CHEMICAL LLC
 HENDERSON, NEVADA
 GROUNDWATER ELEVATIONS
 SELECTED OFF-SITE WELLS**

TOC	ARP-1 1613.32		ARP-2 1612.79		ARP-3 1612.17		ARP-4 1613.01		ARP-5 1615.01	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
11/7/01										
12/13/01										
1/21/02	15.30	1598.02	14.96	1597.83	15.08	1597.09	16.54	1596.47	19.49	1595.52
2/21/02	15.66	1597.66	15.36	1597.43	15.57	1596.60	17.17	1595.84	20.13	1594.88
3/19/02	15.83	1597.49	15.52	1597.27	15.83	1596.34	17.49	1595.52	20.53	1594.48
4/30/02	16.18	1597.14	15.90	1596.89	16.26	1595.91	18.04	1594.97	21.12	1593.89
6/17/02										
7/2/02	16.94	1596.38	16.71	1596.08	17.13	1595.04	18.99	1594.02	22.21	1592.80
8/7/02	18.65	1594.67	18.00	1594.79	18.21	1593.96	20.22	1592.79		
9/12/02	19.12	1594.20	19.21	1593.58	19.29	1592.88	21.72	1591.29		
10/22/02	16.27	1597.05	16.06	1596.73	16.35	1595.82	18.32	1594.69		
11/14/02										
11/27/02	19.31	1594.01	19.11	1593.68	19.04	1593.13	20.42	1592.59		
12/11/02	20.22	1593.10	19.95	1592.84	19.98	1592.19	21.71	1591.30		
12/16/02										
1/7/03	20.53	1592.79	20.48	1592.31	20.56	1591.61	21.92	1591.09	24.84	1590.17
2/11/03	20.04	1593.28	20.93	1591.86	21.14	1591.03	22.65	1590.36	25.66	1589.35
3/12/03	21.73	1591.59	21.57	1591.22	22.92	1589.25	23.26	1589.75	26.24	1588.77
4/8/03	21.93	1591.39	21.82	1590.97	22.01	1590.16	23.52	1589.49	26.62	1588.39
5/6/03	22.16	1591.16	22.00	1590.79	22.29	1589.88	23.72	1589.29	26.92	1588.09
6/4/03	22.41	1590.91	22.27	1590.52	22.50	1589.67	24.00	1589.01	27.14	1587.87
7/9/03	22.29	1591.03	22.13	1590.66	22.3	1589.87	23.91	1589.10	27.51	1587.5
8/13/03			22.02	1590.77	22.35	1589.82	23.95	1589.06	27.5	1587.51
9/8/03	22.11	1591.21	21.97	1590.82	22.31	1589.86	23.87	1589.14	27.43	1587.58
10/14/03	22.33	1590.99	22.2	1590.59	22.45	1589.72	24.03	1588.98	27.33	1587.68
11/12/03	22.34	1590.98	22.23	1590.56	22.51	1589.66	24.12	1588.89	27.41	1587.6
12/8/03	22.33	1590.99	22.21	1590.58	22.52	1589.65	24.13	1588.88	27.48	1587.53
1/14/04	22.06	1591.26	21.92	1590.87	22.26	1589.91	24.01	1589.00	27.39	1587.62
2/11/04	21.54	1591.78	21.38	1591.41	21.64	1590.53	23.26	1589.75	26.51	1588.5
3/9/04	20.96	1592.36	20.77	1592.02	21.04	1591.13	22.74	1590.27	25.99	1589.02
4/13/04	21.03	1592.29	20.87	1591.92	21.11	1591.06	22.67	1590.34	26.02	1588.99
5/11/04	21.56	1591.76	21.41	1591.38	21.65	1590.52	23.18	1589.83	26.41	1588.6
6/9/04	22.01	1591.31	21.87	1590.92	22.14	1590.03	23.42	1589.59	26.99	1588.02
7/9/04	22.46	1590.86	22.31	1590.48	22.58	1589.59	24.09	1588.92	27.26	1587.75
8/10/04	22.23	1591.09	22.08	1590.71	22.38	1589.79	24.06	1588.95	27.29	1587.72
9/7/04	22.49	1590.83	22.41	1590.38	22.67	1589.5	24.23	1588.78	27.58	1587.43
10/12/04	22.31	1591.01	22.17	1590.62	22.53	1589.64	24.19	1588.82	17.39	1597.62
11/10/04	22.19	1591.13	22.09	1590.7	22.42	1589.75	23.97	1589.04	27.24	1587.77
12/6/04	22.47	1590.85	22.33	1590.46	22.68	1589.49	24.09	1588.92	27.26	1587.75
1/12/05	23.39	1589.93	22.24	1590.55	22.48	1589.69	23.87	1589.14	27.19	1587.82
2/8/05	22.29	1591.03	22.14	1590.65	22.42	1589.75	23.89	1589.12	27.02	1587.99
3/10/05	21.97	1591.35	21.84	1590.95	22.09	1590.08	23.61	1589.4	26.73	1588.28

**KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA
GROUNDWATER ELEVATIONS
SELECTED OFF-SITE WELLS**

TOC-->	ARP-6/6A 1615.28		ARP-7 1613.20		ART-1 1614.47		ART-1A 1614.40		ART-2 1617.10	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
11/7/01									17.88	1599.22
12/13/01									18.21	1598.89
1/21/02	20.09	1595.19	17.99	1595.21	15.90	1598.57			18.70	1598.40
2/21/02	20.74	1594.54	18.63	1594.57	15.08	1599.39			17.67	1599.43
3/19/02	21.12	1594.16	19.04	1594.16						
4/30/02	21.75	1593.53	19.63	1593.57	15.46	1599.01			18.05	1599.05
6/17/02										
7/2/02	22.81	1592.47	20.69	1592.51						
8/7/02	23.91	1591.37	21.88	1591.32						
9/12/02	25.14	1590.14	23.42	1589.78						
10/22/02										
11/14/02										
11/27/02										
12/11/02	24.97	1590.31								
12/16/02										
1/7/03	25.28	1590.00	35.52	1577.68						
2/11/03										
3/12/03	26.38	1588.90	24.42	1588.78						
4/8/03	26.99	1588.29	24.75	1588.45						
5/6/03	27.36	1587.92	25.35	1587.85						
6/4/03	27.68	1587.60	25.49	1587.71	37.98	1576.49			26.15	1590.95
7/9/03	27.92	1587.36	25.73	1587.47	38.02	1576.45			27.89	1589.21
8/13/03	28.8	1586.48	25.8	1587.40	30.52	1583.95			25.7	1591.40
9/8/03	27.9	1587.38	25.7	1587.50	32.95	1581.52			25.54	1591.56
10/14/03	27.79	1587.49	26.63	1586.57	37.29	1577.18			25.76	1591.34
11/12/03	27.88	1587.40	25.64	1587.56	37.74	1576.73			25.91	1591.19
12/8/03	27.97	1587.31	25.73	1587.47	37.75	1576.72	22.31	1592.09	25.84	1591.26
1/12/04	27.89	1587.39	25.66	1587.54	22.17	1592.3	22.31	1592.09	25.63	1591.47
2/10/04	27.01	1588.27	24.77	1588.43	21.63	1592.84	21.73	1592.67	25.16	1591.94
3/8/04	26.41	1588.87	24.19	1589.01	21.02	1593.45	21.07	1593.33	24.56	1592.54
4/13/04	26.47	1588.81	24.22	1588.98	21.18	1593.29	21.23	1593.17	24.74	1592.36
5/11/04	26.91	1588.37	24.63	1588.57	24.66	1589.81	21.39	1593.01	25.28	1591.82
6/9/04			25.22	1587.98	25.93	1588.54	21.92	1592.48	25.52	1591.58
7/9/04			24.01	1589.19	27.91	1586.56	22.42	1591.98	26.16	1590.94
8/10/04			25.49	1587.71	27.79	1586.68	21.21	1593.19	25.91	1591.19
9/7/04			25.85	1587.35	29.48	1584.99	22.46	1591.94	26.23	1590.87
10/12/04					30.67	1583.8	22.21	1592.19	25.97	1591.13
11/10/04			25.46	1587.74	37.68	1576.79	22.07	1592.33	25.83	1591.27
12/6/04			25.42	1587.78	37.55	1576.92	22.42	1591.98	26.27	1590.83
1/12/05	26.31	1588.97	25.36	1587.84	22.32	1592.15	22.53	1591.87	25.34	1591.76
2/8/05	26.08	1589.2	25.18	1588.02	37.67	1576.8	22.16	1592.24	25.97	1591.13
3/10/05	27.79	1587.49	24.91	1588.29	22.06	1592.41	22.14	1592.26	24.98	1592.12

**KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA
GROUNDWATER ELEVATIONS
SELECTED OFF-SITE WELLS**

TOC-->	ART-2A 1616.81		ART-3 1617.94		ART-3A 1617.60		ART-4 1617.46		ART-4A 1617.46	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
11/7/01							18.53	1598.93		
12/13/01			18.30	1599.64			18.86	1598.60		
1/21/02			19.50	1598.44			19.65	1597.81		
2/21/02			18.64	1599.30			18.59	1598.87		
3/19/02										
4/30/02			18.30	1599.64			19.13	1598.33		
6/17/02			19.50	1598.44						
7/2/02										
8/7/02										
9/12/02										
10/22/02										
11/14/02							22.20	1595.26		
11/27/02										
12/11/02										
12/16/02							23.68	1593.78		
1/7/03										
2/11/03										
3/12/03										
4/8/03										
5/6/03										
6/4/03			39.28	1578.66			40.38	1577.08		
7/9/03			39.7	1578.24			31.41	1586.05		
8/13/03			41.85	1576.09						
9/8/03			42.25	1575.69			40.32	1577.14		
10/14/03			42.05	1575.89			40.25	1577.21		
11/12/03			40.32	1577.62			40.41	1577.05		
12/8/03	25.02	1591.79	41.31	1576.63	26.76	1590.84	40.32	1577.14	27.02	1590.44
1/12/04	24.84	1591.97	27.32	1590.62	30.18	1587.42	26.23	1591.23	42.99	1574.47
2/10/04	24.32	1592.49	26.96	1590.98	29.61	1587.99	25.76	1591.7	42.25	1575.21
3/8/04	23.67	1593.14	26.08	1591.86	27.99	1589.61	31.17	1586.29	25.24	1592.22
4/13/04	23.86	1592.95	26.25	1591.69	28.44	1589.16	34.63	1582.83	25.42	1592.04
5/11/04	24.37	1592.44	39.38	1578.56	26.44	1591.16	31.44	1586.02	25.79	1591.67
6/9/04	24.66	1592.15	39.09	1578.85	26.77	1590.83	26.11	1591.35	42.81	1574.65
7/9/04	25.21	1591.6	27.92	1590.02	31.13	1586.47	37.37	1580.09	26.86	1590.6
8/10/04	24.97	1591.84	39.68	1578.26	26.93	1590.67	37.09	1580.37	26.62	1590.84
9/7/04	25.34	1591.47	28.04	1589.9	31.21	1586.39	40.28	1577.18	26.96	1590.5
10/12/04	25.01	1591.8	27.73	1590.21	31.02	1586.58	40.29	1577.17	26.87	1590.59
11/10/04	24.82	1591.99	27.84	1590.1	32.14	1585.46	40.32	1577.14	26.62	1590.84
12/6/04	25.28	1591.53	28.32	1589.62	32.77	1584.83	40.28	1577.18	26.99	1590.47
1/12/05	25.85	1590.96	28.54	1589.4	34.31	1583.29	26.46	1591	43.47	1573.99
2/8/05	24.92	1591.89	39.09	1578.85	27.21	1590.39	41.99	1575.47	26.77	1590.69
3/10/05	25.49	1591.32	27.64	1590.3	32.03	1585.57	26.07	1591.39	43.44	1574.02

**KERR-McGEE CHEMICAL LLC
 HENDERSON, NEVADA
 GROUNDWATER ELEVATIONS
 SELECTED OFF-SITE WELLS**

TOC-->	ART-5 1614.06		ART-6 1615.31		ART-6A 1614.71		ART-7 1615.38		ART-7A 1614.78	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
11/7/01	15.57	1598.49	17.73	1597.58			17.83	1597.55		
12/13/01	17.60	1596.46	17.77	1597.54			18.81	1596.57		
1/21/02	16.70	1597.36	18.70	1596.61			18.65	1596.73		
2/21/02	16.59	1597.47	18.54	1596.77			18.68	1596.70		
3/19/02										
4/30/02	17.85	1596.21	19.09	1596.22			19.21	1596.17		
6/17/02										
7/2/02										
8/7/02										
9/12/02										
10/22/02	19.45	1594.61								
11/14/02	20.67	1593.39								
11/27/02	21.14	1592.92								
12/11/02	21.58	1592.48								
12/16/02	21.70	1592.36								
1/7/03	22.4	1591.66								
2/11/03	22.88	1591.18								
3/12/03	23.35	1590.71								
4/8/03										
5/6/03										
6/4/03	24.62	1589.44	30.80	1584.51			27.60	1587.78		
7/9/03	23.75	1590.31	31.01	1584.30			27.63	1587.75		
8/13/03	25.65	1588.41	30.9	1584.41			25.77	1589.61		
9/8/03	24.60	1589.46	31.09	1584.22			27.55	1587.83		
10/14/03	24.58	1589.48	31.52	1583.79			27.47	1587.91		
11/12/03	24.64	1589.42	31.42	1583.89			27.55	1587.83		
12/8/03	24.65	1589.41	31.26	1584.05	25.87	1588.84	27.65	1587.73	25.59	1589.19
1/12/04	24.77	1589.29	26.71	1588.6	32.43	1582.28	28.02	1587.36	25.91	1588.87
2/10/04	24.03	1590.03	25.9	1589.41	32.47	1582.24	27.00	1588.38	24.96	1589.82
3/8/04	23.46	1590.6	30.41	1584.9	25.24	1589.47	26.71	1588.67	24.63	1590.15
4/13/04	23.62	1590.44	30.71	1584.6	25.09	1589.62	26.61	1588.77	24.56	1590.22
5/11/04	23.92	1590.14	30.73	1584.58	25.18	1589.53	26.84	1588.54	24.85	1589.93
6/9/04	24.47	1589.59	26.24	1589.07	32.46	1582.25	27.27	1588.11	25.27	1589.51
7/9/04	24.69	1589.37	31.59	1583.72	25.92	1588.79	26.28	1589.10	26.87	1587.91
8/10/04	24.71	1589.35	31.71	1583.60	25.98	1588.73	26.99	1588.39	26.41	1588.37
9/7/04	24.79	1589.27	32.56	1582.75	26.18	1588.53	26.63	1588.75	27.23	1587.55
10/12/04	24.77	1589.29	32.32	1582.99	26.06	1588.65	26.44	1588.94	27.08	1587.7
11/10/04	24.61	1589.45	32.69	1582.62	25.87	1588.84	26.28	1589.1	26.92	1587.86
12/6/04	24.33	1589.73	32.62	1582.69	25.78	1588.93	26.13	1589.25	26.77	1588.01
1/12/05	23.97	1590.09	26.24	1589.07	32.33	1582.38	26.04	1589.34	26.56	1588.22
2/8/05	24.07	1589.99	31.02	1584.29	25.49	1589.22	26.77	1588.61	25.02	1589.76
3/10/05	23.51	1590.55	25.63	1589.68	32.34	1582.37	25.39	1589.99	25.84	1588.94

**KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA
GROUNDWATER ELEVATIONS
SELECTED OFF-SITE WELLS**

TOC-->	ART-8 1617.69		ART-8A 1617.10		L-635 1620.94		L-637 1621.60		MW-K2 1618.83	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
11/7/01										
12/13/01					13.69	1607.25	9.54	1612.06		
1/21/02	18.80	1598.89			13.82	1607.12	9.56	1612.04	18.52	1600.31
2/21/02	18.35	1599.34			13.89	1607.05	9.61	1611.99	18.74	1600.09
3/19/02					13.85	1607.09	9.65	1611.95	18.81	1600.02
4/30/02	18.75	1598.94			13.93	1607.01	9.70	1611.90		
6/17/02										
7/2/02					14.11	1606.83	9.83	1611.77	19.76	1599.07
8/7/02					14.94	1606.00	10.62	1610.98	21.33	1597.50
9/12/02					16.22	1604.72	11.12	1610.48	21.86	1596.97
10/22/02					13.87	1607.07	9.88	1611.72	19.42	1599.41
11/14/02										
11/27/02					14.27	1606.67	10.21	1611.39	23.08	1595.75
12/11/02					15.51	1605.43	10.82	1610.78	23.60	1595.23
12/16/02									24.31	1594.52
1/7/03									24.31	1594.52
2/11/03									DRY	
3/12/03					14.98	1605.96	10.13	1611.47	DRY	
4/8/03					15.09	1605.85	10.44	1611.16	DRY	
5/6/03					15.40	1605.54	10.66	1610.94	DRY	
6/4/03	26.65	1591.04			15.34	1605.60	10.85	1610.75	DRY	
7/9/03	26.36	1591.33			15.34	1605.60	10.98	1610.62	DRY	
8/13/03	26.37	1591.32							DRY	
9/8/03	26.21	1591.48							DRY	
10/14/03	26.39	1591.30			15.29	1605.65	10.63	1610.97	DRY	
11/12/03	27.65	1590.04			15.41	1605.53	10.73	1610.87	DRY	
12/8/03	27.59	1590.10	27.71	1589.39	15.37	1605.57	10.72	1610.88	DRY	
1/12/04	26.33	1591.36	27.31	1589.39	15.29	1605.65	10.67	1610.93	DRY	
2/10/04	25.24	1592.45	28.78	1589.39	15.22	1605.72	10.64	1610.96	DRY	
3/8/04	28.11	1589.58	24.53	1589.39	14.91	1606.03	10.36	1611.24	DRY	
4/13/04	25.34	1592.35	26.46	1589.39	14.95	1605.99	10.34	1611.26	DRY	
5/11/04	28.91	1588.78	25.19	1589.39	15.17	1605.77	10.54	1611.06	DRY	
6/9/04	29.31	1588.38	25.51	1591.59	15.29	1605.65	10.67	1610.93	DRY	
7/9/04	26.68	1591.01	27.99	1589.11	15.42	1605.52	10.78	1610.82	DRY	
8/10/04	26.40	1591.29	27.67	1589.43	15.29	1605.65	10.65	1610.95	DRY	
9/7/04	26.76	1590.93	27.87	1589.23	15.41	1605.53	10.67	1610.93	DRY	
10/12/04	26.47	1591.22	27.49	1589.61	15.01	1605.93	10.11	1611.49	DRY	
11/10/04	26.33	1591.36	27.06	1590.04	15.03	1605.91	10.32	1611.28	DRY	
12/6/04	26.87	1590.82	28.16	1588.94	15.16	1605.78	10.39	1611.21	DRY	
1/12/05	26.64	1591.05	27.95	1589.15	14.77	1606.17	9.91	1611.69	DRY	
2/8/05	29.58	1588.11	25.96	1591.14	15.02	1605.92	10.08	1611.52	DRY	
3/10/05	26.17	1591.52	27.52	1589.58	14.97	1605.97	9.76	1611.84	DRY	

**KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA
GROUNDWATER ELEVATIONS
SELECTED OFF-SITE WELLS**

TOC-->	MW-K4 1614.96		MW-K5 1598.87		PC-10 1618.95		PC-12 1616.37		PC-17 1617.00	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
11/7/01							17.49	1598.88		
12/13/01	17.90	1597.06			19.32	1599.63	17.38	1598.99	17.00	1600.00
1/21/02	18.48	1596.48	19.58	1579.29	19.49	1599.46	18.13	1598.24	17.40	1599.60
2/21/02	19.05	1595.91	20.34	1578.53	20.30	1598.65	18.80	1597.57	17.70	1599.30
3/19/02	19.35	1595.61			20.71	1598.24	19.26	1597.11	17.86	1599.14
4/30/02							19.89	1596.48	18.14	1598.86
6/17/02										
7/2/02	20.72	1594.24	24.01	1574.86	22.43	1596.52	20.98	1595.39	18.93	1598.07
8/7/02	21.78	1593.18	24.20	1574.67	23.4	1595.55	22.8	1593.57	20.5	1596.50
9/12/02			13.85	1585.02	25.29	1593.66	23.68	1592.69	21.13	1595.87
10/22/02	19.94	1595.02	13.28	1585.59	22.76	1596.19	20.91	1595.46	19.37	1597.63
11/14/02										
11/27/02	23.36	1591.60	20.33	1578.54	23.74	1595.21	23.33	1593.04	22.82	1594.18
12/11/02	23.59	1591.37	21.46	1577.41			24.21	1592.16	23.88	1593.12
12/16/02					24.2	1594.75				
1/7/03	24.21	1590.75	24.22	1574.65			24.39	1591.98	24.21	1592.79
2/11/03	24.69	1590.27	23.83	1575.04	25.32	1593.63	24.11	1592.26	24.6	1592.40
3/12/03	25.36	1589.60	23.68	1575.19	25.98	1592.97	25.58	1590.79	25.65	1591.35
4/8/03	25.63	1589.33	24.49	1574.38	26.16	1592.79	26.02	1590.35	25.78	1591.22
5/6/03	26.02	1588.94	25.39	1573.48	26.63	1592.32	26.33	1590.04	25.51	1591.49
6/4/03	26.13	1588.83	24.53	1574.34	26.83	1592.12	26.37	1590.00	25.74	1591.26
7/9/03	26.00	1588.96	26.26	1572.61	27.28	1591.67	27.01	1589.36	25.43	1591.57
8/13/03	26.00	1588.96	26.6	1572.27	27.22	1591.73	26.7	1589.67	25.35	1591.65
9/8/03	25.96	1589.00	24.64	1574.23	27.25	1591.70	26.68	1589.69	25.39	1591.61
10/14/03	26.14	1588.82	26.81	1572.06	26.89	1592.06	26.45	1589.92	25.52	1591.48
11/12/03	26.18	1588.78	25.71	1573.16	26.95	1592.00	26.53	1589.84	25.61	1591.39
12/8/03	26.21	1588.75	26.40	1572.47	26.95	1592.00	26.54	1589.83	25.59	1591.41
1/12/04	25.99	1588.97	14.79	1584.08	27.19	1591.76	26.69	1589.68	25.44	1591.56
2/10/04	25.26	1589.7	20.99	1577.88	26.49	1592.46	25.94	1590.43	25.17	1591.83
3/8/04	24.61	1590.35	20.15	1578.72	26.13	1592.82	25.79	1590.58	24.48	1592.52
4/13/04	24.66	1590.3	22.51	1576.36	P&A		25.38	1590.99	24.46	1592.54
5/11/04	25.23	1589.73	24.07	1574.80			25.92	1590.45	25.12	1591.88
6/9/04	27.81	1587.15	25.43	1573.44			26.24	1590.13	25.52	1591.48
7/9/04	26.22	1588.74	25.27	1573.60			25.57	1590.8	25.87	1591.13
8/10/04	26.08	1588.88	24.46	1574.41			26.68	1589.69	25.58	1591.42
9/7/04	26.33	1588.63	26.14	1572.73			26.77	1589.6	25.94	1591.06
10/12/04	26.19	1588.77	25.53	1573.34			26.73	1589.64	25.72	1591.28
11/10/04	26.07	1588.89	23.63	1575.24			26.62	1589.75	25.63	1591.37
12/6/04	26.24	1588.72	24.07	1574.8			26.42	1589.95	26.07	1590.93
1/12/05	26.11	1588.85	23.86	1575.01			26.22	1590.15	25.98	1591.02
2/8/05	26.09	1588.87	24.66	1574.21			26.04	1590.33	25.79	1591.21
3/10/05	25.78	1589.18	24.29	1574.58			25.63	1590.74	25.41	1591.59

**KERR-McGEE CHEMICAL LLC
 HENDERSON, NEVADA
 GROUNDWATER ELEVATIONS
 SELECTED OFF-SITE WELLS**

TOC-->	PC-18 1618.47		PC-19 1617.62		PC-53 1595.03		PC-55 1617.19		PC-56 1568.25	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
11/7/01	18.22	1600.25					16.74	1600.45		
12/13/01	18.39	1600.08	17.21	1600.41						
1/21/02	18.73	1599.74	17.60	1600.02	16.62	1578.41	17.23	1599.96	5.18	1563.07
2/21/02	19.03	1599.44	17.86	1599.76	17.29	1577.74	17.48	1599.71		
3/19/02	19.13	1599.34	17.91	1599.71			17.59	1599.6		
4/30/02	19.44	1599.03	18.25	1599.37	18.62	1576.41	17.89	1599.3	6.34	1561.91
6/17/02										
7/2/02	20.14	1598.33	18.94	1598.68	21.02	1574.01				
8/7/02	21.56	1596.91	20.56	1597.06	21.48	1573.55				
9/12/02	22.16	1596.31	20.66	1596.96						
10/22/02	20.84	1597.63	18.63	1598.99	9.43	1585.60				
11/14/02										
11/27/02	24.01	1594.46	22.23	1595.39	17.28	1577.75				
12/11/02	25.82	1592.65	23.15	1594.47	18.45	1576.58				
12/16/02							22.45	1594.74		
1/7/03	25.06	1593.41	23.36	1594.26	21.87	1573.16				
2/11/03	25.61	1592.86	24.12	1593.50	20.7	1574.33				
3/12/03	26.12	1592.35	24.39	1593.23	20.71	1574.32				
4/8/03	26.95	1591.52	24.82	1592.80	21.40	1573.63			8.05	1560.20
5/6/03	26.60	1591.87	24.76	1592.86	22.28	1572.75	24.44	1592.75	9.17	1559.08
6/4/03	27.05	1591.42	25.17	1592.45	20.87	1574.16				
7/9/03	26.54	1591.93	P&A		22.38	1572.65				
8/13/03	26.55	1591.92			23.42	1571.61	24.37	1592.82		
9/8/03	26.5	1591.97			21.17	1573.86	24.43	1592.76	10.59	1557.66
10/14/03	26.67	1591.80			23.66	1571.37	24.61	1592.58	9.74	1558.51
11/12/03	26.75	1591.72			22.27	1572.76	24.67	1592.52	9.14	1559.11
12/8/03	26.71	1591.76			23.14	1571.89	24.63	1592.56	9.05	1559.20
1/12/04	26.41	1592.06	P & A		8.94	1586.09	24.32	1592.87	8.24	1560.01
2/10/04	26.01	1592.46			15.78	1579.25	23.91	1593.28	7.34	1560.91
3/8/04	25.38	1593.09			15.93	1579.1	23.31	1593.88	6.33	1561.92
4/13/04	25.53	1592.94			18.91	1576.12	23.47	1593.72	7.12	1561.13
5/11/04	26.04	1592.43			20.52	1574.51	23.94	1593.25	8.59	1559.66
6/9/04	26.32	1592.15			21.98	1573.05	24.27	1592.92	9.89	1558.36
7/9/04	26.91	1591.56			21.81	1573.22	24.76	1592.43	9.94	1558.31
8/10/04	26.68	1591.79			20.57	1574.46	24.52	1592.67	9.48	1558.77
9/7/04	27.01	1591.46			22.21	1572.82	24.85	1592.34	10.01	1558.24
10/12/04	26.76	1591.71			19.18	1575.85	24.61	1592.58	8.84	1559.41
11/10/04	26.57	1591.9			19.34	1575.69	24.42	1592.77	7.64	1560.61
12/6/04	26.93	1591.54			19.73	1575.3	24.86	1592.33	7.59	1560.66
1/12/05	26.64	1591.83			19.62	1575.41	24.53	1592.66	6.11	1562.14
2/8/05	26.67	1591.8			20.59	1574.44	24.51	1592.68	7.47	1560.78
3/10/05	26.23	1592.24			20.31	1574.72	24.18	1593.01	6.89	1561.36

**KERR-McGEE CHEMICAL LLC
 HENDERSON, NEVADA
 GROUNDWATER ELEVATIONS
 SELECTED OFF-SITE WELLS**

TOC-->	PC-58 1567.96		PC-59 1567.92		PC-60 1568.38		PC-62 1567.83		PC-68 1566.97	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
11/7/01										
12/13/01										
1/21/02	4.96	1563.00	6.36	1561.56	5.02	1563.36	7.22	1560.61	6.50	1560.47
2/21/02										
3/19/02										
4/30/02	6.60	1561.36	7.85	1560.07	6.54	1561.84	8.58	1559.25	7.80	1559.17
6/17/02										
7/2/02										
8/7/02										
9/12/02										
10/22/02										
11/14/02										
11/27/02										
12/11/02										
12/16/02										
1/7/03										
2/11/03										
3/12/03										
4/8/03	7.62	1560.34	8.05	1559.87	7.93	1560.45			8.46	1558.51
5/6/03	8.68	1559.28	9.92	1558.00	9.11	1559.27			9.52	1557.45
6/4/03	9.98	1557.98	11.05	1556.87	9.87	1558.51			10.28	1556.69
7/9/03	10.89	1557.07	12.2	1555.72	11.14	1557.24	12.55	1555.28	11.46	1555.51
8/13/03										
9/8/03	10.1	1557.86	11.56	1556.36	10.49	1557.89	11.88	1555.95	10.8	1556.17
10/14/03	10.51	1557.45	10.43	1557.49	11.24	1557.14	11.54	1556.29	10.44	1556.53
11/12/03	9.71	1558.25	9.62	1558.3	10.65	1557.73	11.14	1556.69	10.07	1556.9
12/8/03	9.68	1558.28	9.61	1558.31	10.46	1557.92	10.87	1556.96	9.77	1557.2
1/12/04	8.34	1559.62	9.94	1557.98	8.20	1560.18	10.61	1557.22	9.52	1557.45
2/10/04	7.81	1560.15	7.76	1560.16	8.91	1559.47	9.58	1558.25	8.58	1558.39
3/8/04	5.21	1562.75	7.79	1560.13	6.23	1562.15	8.53	1559.30	7.57	1559.4
4/13/04	6.71	1561.25	8.09	1559.83	6.99	1561.39	8.67	1559.16	7.66	1559.31
5/11/04	7.97	1559.99	9.52	1558.4	8.49	1559.89	10.09	1557.74	9.03	1557.94
6/9/04	9.13	1558.83	10.82	1557.1	9.81	1558.57	11.27	1556.56	10.16	1556.81
7/9/04	9.29	1558.67	11.11	1556.81	9.84	1558.54	11.51	1556.32	10.54	1556.43
8/10/04	8.92	1559.04	10.93	1556.99	9.38	1559.00	11.57	1556.26	10.53	1556.44
9/7/04	9.17	1558.79	11.23	1556.69	9.93	1558.45	11.73	1556.1	10.64	1556.33
10/12/04	8.54	1559.42	10.29	1557.63	8.77	1559.61	10.99	1556.84	9.98	1556.99
11/10/04	7.63	1560.33	9.44	1558.48	7.71	1560.67	10.14	1557.69	8.99	1557.98
12/6/04	7.45	1560.51	8.62	1559.3	7.49	1560.89	9.13	1558.7	8.17	1558.8
1/12/05	5.85	1562.11	7.28	1560.64	6.09	1562.29	7.69	1560.14	6.58	1560.39
2/8/05	7.21	1560.75	8.19	1559.73	7.33	1561.05	8.66	1559.17	7.62	1559.35
3/10/05	6.02	1561.94	7.59	1560.33	6.77	1561.61	8.01	1559.82	6.93	1560.04

**KERR-McGEE CHEMICAL LLC
 HENDERSON, NEVADA
 GROUNDWATER ELEVATIONS
 SELECTED OFF-SITE WELLS**

TOC-->	PC-86 1553.85		PC-89 1551.10		PC-91 1552.33		PC-95 1550.62		PC-97 1548.53	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
11/7/01										
12/13/01										
1/21/02	+ 0.30	1554.15	+ 0.60	1551.70	4.18	1548.15	1.45	1549.17	+ 0.10	1548.63
2/21/02							1.43	1549.19		
3/19/02										
4/30/02	0.38	1553.47	+ 0.12	1551.22	5.32	1547.01	1.83	1548.79	0.41	1548.12
6/17/02										
7/2/02	2.79	1551.06	3.06	1548.04	7.64	1544.69	3.66	1546.96	2.55	1545.98
8/7/02	3.08	1550.77	4.38	1546.72	8.73	1543.6	4.23	1546.39	3.26	1545.27
9/12/02	3.92	1549.93	4.90	1546.20	9.30	1543.03	5.23	1545.39	4.16	1544.37
10/22/02	0.20	1553.65	1.45	1549.65	5.81	1546.52	2.38	1548.24	1.31	1547.22
11/14/02										
11/27/02	0.40	1553.45	1.60	1549.50	4.91	1547.42	2.27	1548.35	0.80	1547.73
12/11/02	0.05	1553.80	1.14	1549.96	5.13	1547.2	2.50	1548.12	1.32	1547.21
12/16/02							2.40	1548.22		
1/7/03	0.7	1553.15	0.86	1550.24	4.86	1547.47	2.65	1547.97	0.38	1548.15
2/11/03	1.53	1552.32	3.28	1547.82	6.15	1546.18	3.7	1546.92	2.21	1546.32
3/12/03	2.73	1551.12	0.89	1550.21	6.16	1546.17	1.85	1548.77	3.22	1545.31
4/8/03	3.31	1550.54	4.60	1546.5	7.14	1545.19	4.58	1546.04	3.56	1544.97
5/6/03	4.37	1549.48	5.68	1545.42	8.38	1543.95	5.17	1545.45	4.15	1544.38
6/4/03	5.67	1548.18	7.10	1544	9.38	1542.95	6.25	1544.37	5.10	1543.43
7/9/03	7.81	1546.04	9.03	1542.07	10.32	1542.01	7.08	1543.54	6.04	1542.49
8/13/03	8.5	1545.35	8.55	1542.55	10.75	1541.58	7.67	1542.95	6.60	1541.93
9/8/03	7.28	1546.57	7.75	1543.35	10.25	1542.08	7.31	1543.31	6.02	1542.51
10/14/03	6.69	1547.16	7.33	1543.77	9.31	1543.02	6.70	1543.92	5.45	1543.08
11/12/03	6.09	1547.76	6.93	1544.17	9.12	1543.21	6.06	1544.56	4.94	1543.59
12/8/03	5.64	1548.21	4.73	1546.37	8.62	1543.71	5.18	1545.44	4.03	1544.50
1/12/04	5.49	1548.36	6.14	1544.96	8.51	1543.82	5.48	1545.14	4.35	1544.18
2/10/04	4.53	1549.32	3.37	1547.73	7.64	1544.69	5.86	1544.76	3.97	1544.56
3/8/04	3.14	1550.71	3.96	1547.14	6.89	1545.44	4.03	1546.59	2.76	1545.77
4/13/04	3.05	1550.8	4.18	1546.92	6.91	1545.42	4.06	1546.56	2.92	1545.61
5/11/04	4.37	1549.48	5.61	1545.49	8.08	1544.25	5.01	1545.61	4.11	1544.42
6/9/04	5.49	1548.36	6.71	1544.39	9.07	1543.26	5.98	1544.64	5.07	1543.46
7/9/04	5.78	1548.07	6.47	1544.63	9.55	1542.78	6.17	1544.45	5.18	1543.35
8/10/04	5.67	1548.18	6.74	1544.36	9.25	1543.08	6.15	1544.47	5.28	1543.25
9/7/04	5.71	1548.14	6.78	1544.32	8.95	1543.38	6.17	1544.45	5.13	1543.4
10/12/04	5.27	1548.58	6.28	1544.82	9.11	1543.22	5.87	1544.75	4.79	1543.74
11/10/04	4.24	1549.61	5.33	1545.77	8.52	1543.81	4.97	1545.65	3.91	1544.62
12/6/04	3.08	1550.77	4.36	1546.74	7.87	1544.46	4.22	1546.4	3.19	1545.34
1/12/05	0.93	1552.92	2.32	1548.78	6.23	1546.1	2.79	1547.83	1.67	1546.86
2/8/05	2.36	1551.49	3.76	1547.34	6.97	1545.36	3.77	1546.85	2.72	1545.81
3/10/05	1.84	1552.01	3.24	1547.86	6.53	1545.8	3.42	1547.2	2.41	1546.12

**KERR-McGEE CHEMICAL LLC
 HENDERSON, NEVADA
 GROUNDWATER ELEVATIONS
 SELECTED OFF-SITE WELLS**

TOC-->	PC-98R 1593.35		PC-99R2/R3 1552.55		PC-101R 1618.12		PC-103 1599.49		PC-115R 1554.71	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
11/7/01										
12/13/01										
1/21/02					18.61	1599.51	15.81	1583.68		
2/21/02					18.90	1599.22	16.60	1582.89		
3/19/02					19.10	1599.02				
4/30/02					19.41	1598.71	17.77	1581.72		
6/17/02										
7/2/02					21.11	1597.01	19.53	1579.96		
8/7/02					21.83	1596.29	19.89	1579.60		
9/12/02							19.54	1579.95		
10/22/02					19.7	1598.42	12.64	1586.85		
11/14/02										
11/27/02					23.91	1594.21	16.96	1582.53		
12/11/02					24.74	1593.38	17.82	1581.67		
12/16/02										
1/7/03					25.12	1593.00	21.12	1578.37		
2/11/03					25.55	1592.57	20.23	1579.26		
3/12/03					26.32	1591.80	20.56	1578.93		
4/8/03	18.35	1575.00			26.41	1591.71	20.78	1578.71		
5/6/03	19.3	1574.05			26.56	1591.56	21.50	1577.99		
6/4/03	18.42	1574.93	21.10	1531.45	26.96	1591.16	21.26	1578.23	21.50	1533.21
7/9/03	20.21	1573.14	18.70	1533.85	26.39	1591.73	22.12	1577.37	22.9	1531.81
8/13/03	18.45	1574.90	11.60	1540.95	26.6	1591.52	21.50	1577.99	22.2	1532.51
9/8/03	18.45	1574.90	11.68	1540.87	26.58	1591.54	20.66	1578.83	19.56	1535.15
10/14/03	20.50	1572.85	11.73	1540.82	26.74	1591.38	21.88	1577.61	15.95	1538.76
11/12/03	19.51	1573.84	16.26	1536.29	26.81	1591.31	21.53	1577.96	18.30	1536.41
12/8/03	20.16	1573.19	3.46	1549.09	26.46	1591.66	22.88	1576.61	15.71	1539.00
1/12/04	10.14	1583.21	16.91	1535.64	26.56	1591.56	18.61	1580.88	20.92	1533.79
2/10/04	15.83	1577.52	24.17	1528.38	26.17	1591.95	19.76	1579.73	20.96	1533.75
3/8/04	14.20	1579.15	8.42	1544.13	25.54	1592.58	17.77	1581.72	17.14	1537.57
4/13/04	16.38	1576.97	1.48	1551.07	25.54	1592.58	19.04	1580.45	17.26	1537.45
5/11/04	17.89	1575.46	2.93	1549.62	26.17	1591.95	20.33	1579.16	19.35	1535.36
6/9/04	19.25	1574.1	26.36	1526.19	26.51	1591.61	21.51	1577.98	23.14	1531.57
7/9/04	19.03	1574.32	29.91	1522.64	26.96	1591.16	21.25	1578.24	20.31	1534.4
8/10/04	18.28	1575.07	32.95	1519.60	26.74	1591.38	20.73	1578.76	22.10	1532.61
9/7/04	19.94	1573.41	30.58	1521.97	27.02	1591.1	21.85	1577.64	18.87	1535.84
10/12/04	17.51	1575.84	9.98	1542.57	26.81	1591.31	20.57	1578.92	32.92	1521.79
11/10/04	17.64	1575.71	30.76	1521.79	26.66	1591.46	20.54	1578.95	14.68	1540.03
12/6/04	18.03	1575.32	29.64	1522.91	27.04	1591.08	21.02	1578.47	13.77	1540.94
1/12/05	17.88	1575.47	17.58	1534.97	26.91	1591.21	21.11	1578.38	7.32	1547.39
2/8/05	18.56	1574.79	19.27	1533.28	26.84	1591.28	21.36	1578.13	11.68	1543.03
3/10/05	18.21	1575.14	17.25	1535.30	26.42	1591.7	21.04	1578.45	10.88	1543.83

**KERR-McGEE CHEMICAL LLC
 HENDERSON, NEVADA
 GROUNDWATER ELEVATIONS
 SELECTED OFF-SITE WELLS**

TOC-->	PC-116R 1552.10		PC-117 1552.26		PC-118 1554.53		PC-119 1554.66		PC-120 1554.64	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
11/7/01										
12/13/01										
1/21/02										
2/21/02										
3/19/02										
4/30/02	1.62	1550.48								
6/17/02										
7/2/02										
8/7/02										
9/12/02										
10/22/02										
11/14/02										
11/27/02										
12/11/02										
12/16/02										
1/7/03										
2/11/03										
3/12/03										
4/8/03										
5/6/03										
6/4/03	21.70	1530.40	17.40	1534.86	13.20	1541.33	7.85	1546.81	6.50	1548.14
7/9/03	22.60	1529.50	17.9	1534.36	15.10	1539.43	10.7	1543.96	8.7	1545.94
8/13/03	21.43	1530.67	19.6	1532.66	16.23	1538.30	9.75	1544.91	8.97	1545.67
9/8/03	19.30	1532.80	19.3	1532.96	16.10	1538.43	9.12	1545.54	8.4	1546.24
10/14/03	17.94	1534.16	18.70	1533.56	15.81	1538.72	8.43	1546.23	7.63	1547.01
11/12/03	14.67	1537.43	18.66	1533.60	15.98	1538.55	8.03	1546.63	7.22	1547.42
12/8/03	13.69	1538.41	21.16	1531.10	15.14	1539.39	7.27	1547.39	7.71	1546.93
1/12/04	13.84	1538.26	19.84	1532.42	15.29	1539.24	7.71	1546.95	7.93	1546.71
2/10/04	11.05	1541.05	18.49	1533.77	14.00	1540.53	6.45	1548.21	6.63	1548.01
3/8/04	10.81	1541.29	9.02	1543.24	13.56	1540.97	5.17	1549.49	5.26	1549.38
4/13/04	28.5	1523.6	17.03	1535.23	12.8	1541.73	5.32	1549.34	4.44	1550.2
5/11/04	24.17	1527.93	13.08	1539.18	14.03	1540.5	6.46	1548.2	5.52	1549.12
6/9/04	27.15	1524.95	15.02	1537.24	15.22	1539.31	7.35	1547.31	6.41	1548.23
7/9/04	22.89	1529.21	16.00	1536.26	19.1	1535.43	7.74	1546.92	6.79	1547.85
8/10/04	26.98	1525.12	19.69	1532.57	22.18	1532.35	10.7	1543.96	9.59	1545.05
9/7/04	23.67	1528.43	16.82	1535.44	19.43	1535.1	7.69	1546.97	6.31	1548.33
10/12/04	27.24	1524.86	19.77	1532.49	17.69	1536.84	7.26	1547.4	9.22	1545.42
11/10/04	22.14	1529.96	15.89	1536.37	17.19	1537.34	5.85	1548.81	3.99	1550.65
12/6/04	20.31	1531.79	15.16	1537.1	12.49	1542.04	5.02	1549.64	3.21	1551.43
1/12/05	19.23	1532.87	14.61	1537.65	10.36	1544.17	5.63	1549.03	4.56	1550.08
2/8/05	22.96	1529.14	16.05	1536.21	8.16	1546.37	3.59	1551.07	2.43	1552.21
3/10/05	19.81	1532.29	15.28	1536.98	7.42	1547.11	3.28	1551.38	1.95	1552.69

KERR-McGEE CHEMICAL LLC
 HENDERSON, NEVADA
 GROUNDWATER ELEVATIONS
 SELECTED OFF-SITE WELLS

TOC-->	PC-121 1554.10		PC-122 1617.39	
	DTW	ELEV	DTW	ELEV
11/7/01				
12/13/01				
1/21/02				
2/21/02				
3/19/02				
4/30/02				
6/17/02				
7/2/02				
8/7/02				
9/12/02				
10/22/02				
11/14/02				
11/27/02				
12/11/02				
12/16/02				
1/7/03				
2/11/03				
3/12/03				
4/8/03				
5/6/03				
6/4/03	5.20	1548.90		
7/9/03	12.9	1541.20		
8/13/03	16.25	1537.85		
9/8/03	16.5	1537.60		
10/14/03	16.54	1537.56		
11/12/03	15.27	1538.83		
12/8/03	17.99	1536.11		
1/12/04	12.49	1541.61		
2/10/04	8.72	1545.38		
3/8/04	2.32	1551.78	26.82	1590.58
4/13/04	2.62	1551.48	26.73	1590.67
5/11/04	3.82	1550.28	27.02	1590.38
6/9/04	4.93	1549.17	27.47	1589.93
7/9/04	5.14	1548.96	27.76	1589.64
8/10/04	8.11	1545.99	27.88	1589.52
9/7/04	5.09	1549.01	28.01	1589.39
10/12/04	14.68	1539.42	27.97	1589.43
11/10/04	3.78	1550.32	27.75	1589.65
12/6/04	3.39	1550.71	27.67	1589.73
1/12/05	4.98	1549.12	27.54	1589.86
2/8/05	3.33	1550.77	27.26	1590.14
3/10/05	3.46	1550.64	26.89	1590.51

Las Vegas Wash

25

30

36

31

TEMP IX PLANT

PITTMAN LATERAL

T. 21 S.
T. 22 S.

R. 62 E.
R. 63 E.

PLATE:1
POTENTIOMETRIC SURFACE
BETWEEN THE ATHENS ROAD
WELL FIELD AND THE SEEP
FEBRUARY 7, 2005

- 1600- ISOELEVATION LINE OF POTENTIOMETRIC SURFACE (AMSL) C.I. = 5 FEET
 - DIRECTION OF GROUNDWATER FLOW
 - ★ SEEP PUMPING STATION
 - MONITOR WELL
 - ▲ RECOVERY WELL
- LAND OWNERSHIP
BMI
Timet
- 1 inch = 300 feet
1: 3,600
- 0 300 600 900 Feet
- N
- Nevada East (NAD83)

DATE: 1/8/04
REVISED: 04/08/05

PLATE_1_POTENT_SURF_ATHENS_RD_NOV04.MXD

Las Vegas Wash

25

30

36

31

TEMP IX PLANT

PITTMAN LATERAL

T. 21 S.
T. 22 S.

R. 62 E.
R. 63 E.

PLATE:2
PERCHLORATE IN GROUNDWATER
BETWEEN THE ATHENS ROAD
WELL FIELD AND THE SEEP
FEBRUARY 7, 2005

- 100 — ISOCONCENTRATION CONTOUR (mg/l) (ND = < 0.004 mg/L)
- ★ SEEP PUMPING STATION
- MONITOR WELL
- ▲ RECOVERY WELL

LAND OWNERSHIP
BMI
Timet

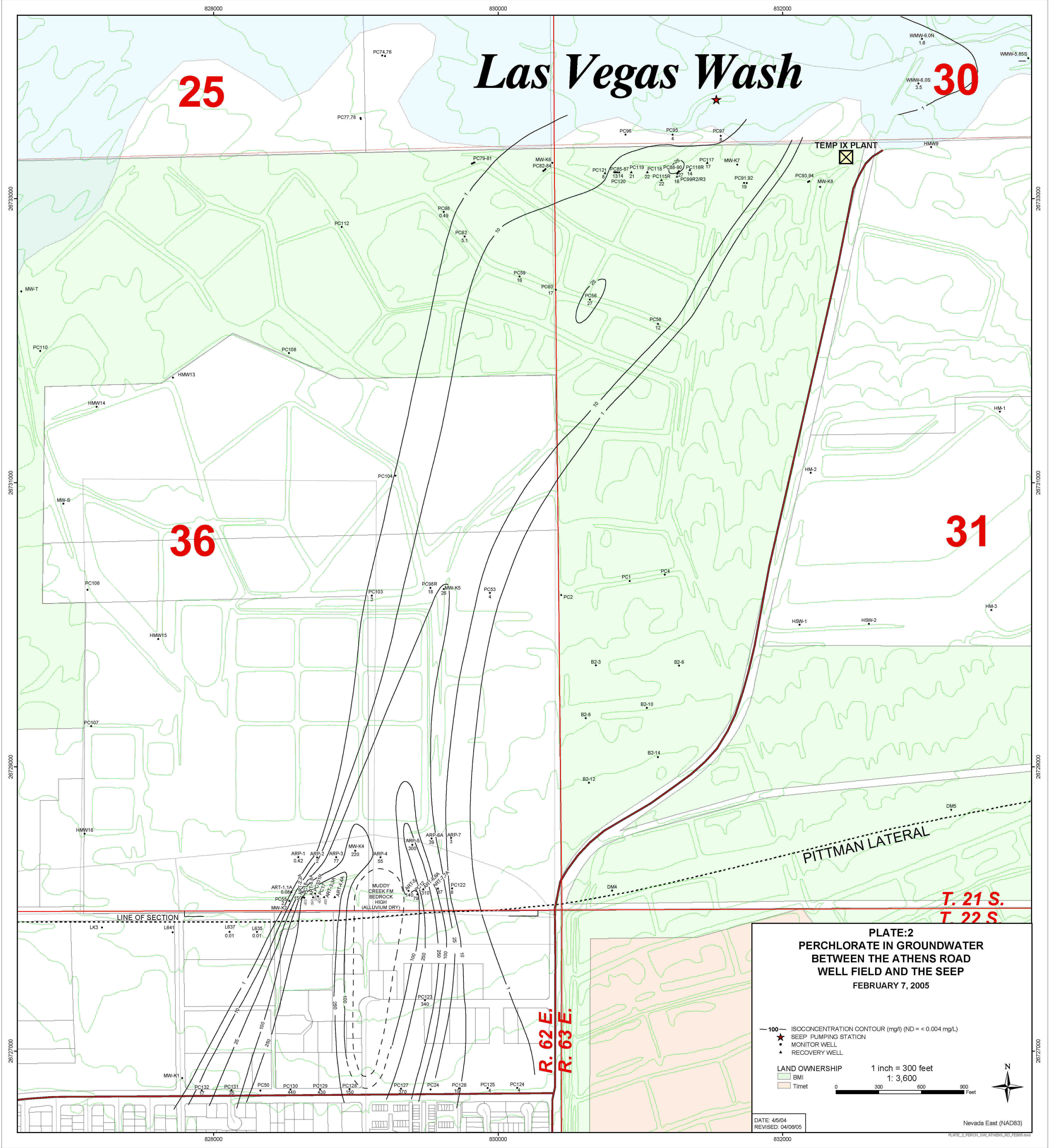
1 inch = 300 feet
1: 3,600

0 300 600 900 Feet



DATE: 4/5/04
REVISED: 04/08/05

Nevada East (NAD83)



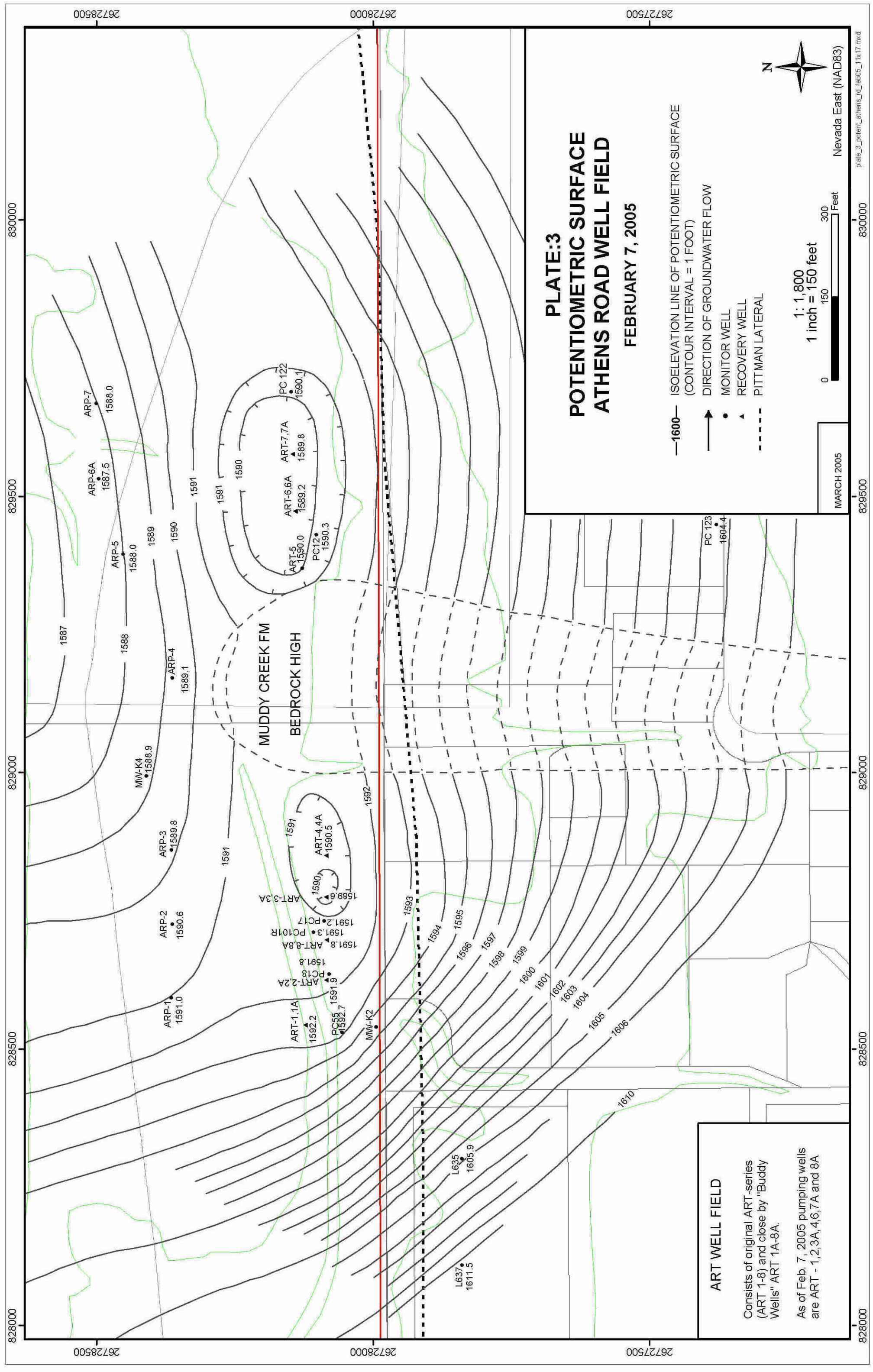


PLATE:3 POTENTIOMETRIC SURFACE ATHENS ROAD WELL FIELD

FEBRUARY 7, 2005

- 1600— ISOELEVATION LINE OF POTENTIOMETRIC SURFACE
(CONTOUR INTERVAL = 1 FOOT)
- DIRECTION OF GROUNDWATER FLOW
- MONITOR WELL
- ▲ RECOVERY WELL
- - - - PITTMAN LATERAL



1: 1,800
1 inch = 150 feet



MARCH 2005

Nevada East (NAD83)

ART WELL FIELD

Consists of original ART-series (ART 1-8) and close by "Buddy Wells" ART 1A-8A.
As of Feb. 7, 2005 pumping wells are ART - 1, 2, 3A, 4, 6, 7A and 8A

26728500

26728000

26727500

26728500

26728000

26727500

830000

829500

829000

828500

828000

830000

829500

829000

828500

828000

plate_3_potent_athens_rd_feb05_11x17.mxd

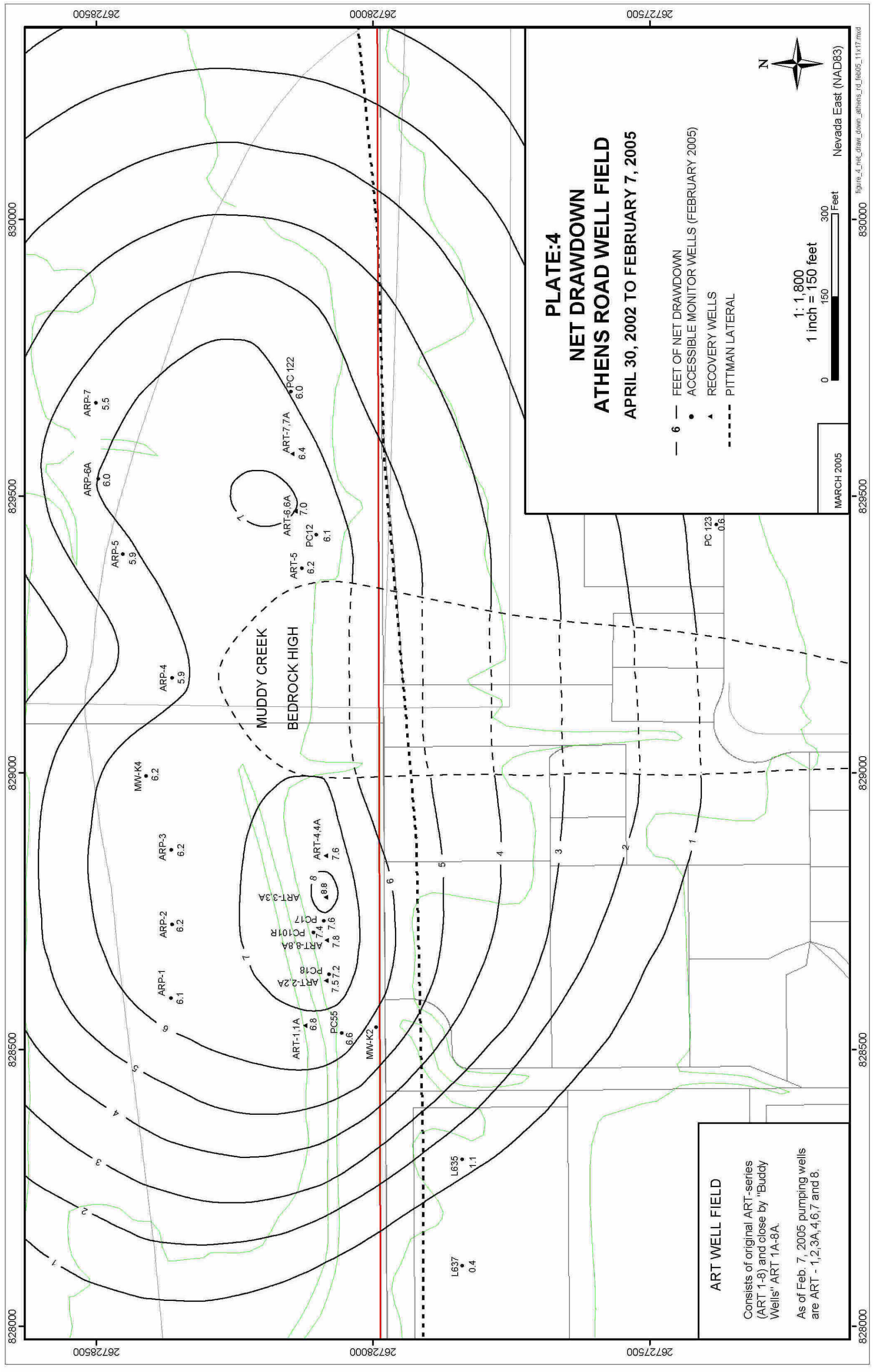


PLATE:4
NET DRAWDOWN
ATHENS ROAD WELL FIELD
APRIL 30, 2002 TO FEBRUARY 7, 2005

- 6 — FEET OF NET DRAWDOWN
- ACCESSIBLE MONITOR WELLS (FEBRUARY 2005)
- ▲ RECOVERY WELLS
- - - - PITTMAN LATERAL

1: 1,800
 1 inch = 150 feet



MARCH 2005

Nevada East (NAD83)

ART WELL FIELD

Consists of original ART-series (ART 1-8) and close by "Buddy Wells" ART 1A-8A.

As of Feb. 7, 2005 pumping wells are ART - 1,2,3A,4,6,7 and 8.

MUDDY CREEK
BEDROCK HIGH

L637
0.4

L635
1.1

ART-1,1A
6.8

PC55
6.6

MW-K2

ART-2,2A
7.572

PC18
7.8

ART-8,8A
7.8

PC17
7.4

PC101R
7.6

ART-3,3A
8.8

ART-4,4A
7.6

ART-5
6.2

PC12
6.1

ART-6,6A
7.0

ART-7,7A
6.4

PC122
6.0

ARP-7
5.5

ARP-6A
6.0

ARP-5
5.9

ARP-4
5.9

MW-K4
6.2

ARP-3
6.2

ARP-2
6.2

ARP-1
6.1

PC123
0.6

26728500

26728000

26727500

828000

828500

829000

829500

830000

828000

828500

829000

829500

830000

figure_4_net_draw_down_athens_rd_feb05_11x17.mxd

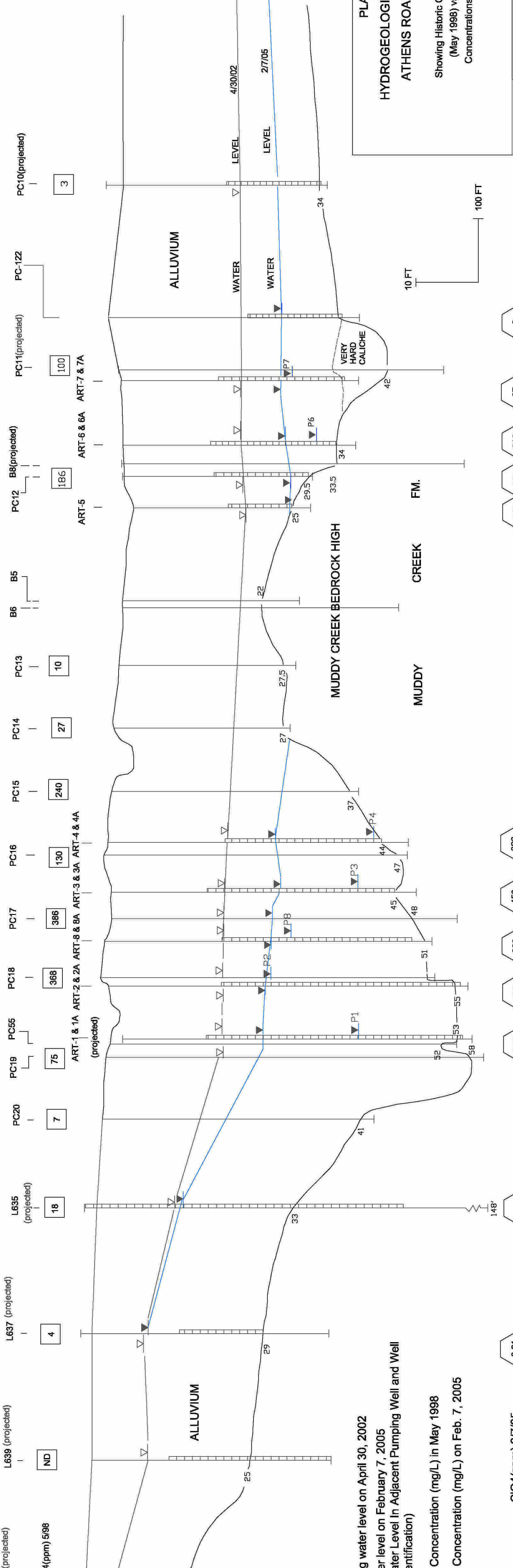


PLATE: 5

HYDROGEOLOGIC CROSS SECTION

ATHENS ROAD TRAVERSE

Showing Historic ClO4 Concentrations
(May 1998) vs. Recent ClO4
Concentrations (February 2005)

0.01	0.01	0.08	150	390	450	320	140	79	310	87	8
CIO4(ppm) 2/7/05											

Date: 01/12/04
Revised: 03/25/05



KERR-McGEE CHEMICAL LLC

Susan Crowley
Staff Environmental Specialist

RECEIVED
ENVIRONMENTAL PROTECTION
LAS VEGAS OFFICE (702) 651-2234
Fax (405) 228-6882
scrowley@kmg.com

April 27, 2005

2005 APR 28 A 10:02

Todd Croft
Supervisor
Nevada Division of Environmental Protection
1771 East Flamingo, Suite 121-A
Las Vegas, NV 89119

Dear Mr. Croft:

Subject: Perchlorate Remediation – First Quarter 2005 Performance Report

Kerr-McGee Chemical LLC (Kerr-McGee) has agreed to provide regular reports to Nevada Division of Environmental Protection (NDEP) describing the progress related to its perchlorate remediation efforts. Integral to those reports is an evaluation of the environment's response to the remedial efforts. A monitoring plan is in place to support these evaluations, and this report summarizes information obtained from monitoring occurring during the first quarter 2005.

In summary, Kerr-McGee continues to treat water collected from the on-site area, Athens Road area and seep area using a perchlorate reduction process. This currently consists of fluidized bed reactors (FBR's) which are treating up to about 1000 gpm. Please see the attached report for additional information.

Please feel free to contact me at (702) 651-2234 if you have any questions related to this information. Thank you.

Sincerely,

Susan M. Crowley
Staff Environmental Specialist

Overnight Mail

cc: Brenda Pohlmann, City of Henderson
Barry Conaty, City of Henderson
Jim Najima, NDEP
Brian Rakvica, NDEP (Las Vegas)
Leslie Palencia, Metro Water District of Southern California
Pat Mulroy, Southern Nevada Water Authority
Mitch Kaplan, EPA Region IX
Larry Bowerman, EPA Region IX

Attachment