GW - 191

MONITORING REPORTS

DATE:

2006-2003

KINDER MORGAN INC

March 9, 2006

2006 MAR 10 AM 10 46

Mr. Wayne Price
New Mexico Oil Conversation Division
1220 So. St. Francis Drive
Santa Fe, New Mexico, 87505

Re: Former Hobbs Gas Plant – GW-191
2005 Annual Groundwater Monitoring Report and Field Activity Report
Lea County, New Mexico

Dear Mr. Price:

Enclosed please find the 2005 Annual Groundwater Monitoring Report for the above referenced facility. Also included is the Field Activity Report that details the installation of two down-gradient monitor wells and one replacement monitor well (MW-6R).

All monitor wells have been below detection limits for BTEX constituents since November of 2004. Following the next semi-annual groundwater sampling event (May 2006), if the results continue to be below WQCC Guidelines, we will submit a request for no further action with respect to groundwater monitoring at this facility.

If you have any questions or require additional information, please contact me at (713) 369-9193.

Sincerely,
KINDER MORGAN, INC.

John M. Greer
Manager, Environmental Remediation

cc: New Mexico OCD – Hobbs
Barry Andrews – Excel Energ

TRC

Customer-Focused Solutions

2005 Annual Groundwater Monitoring Summary Report

Former Hobbs Gas Plant

Hobbs (Lea County), TX

Prepared for:

KINDER MORGAN

One Allen Center
500 Dallas Street, Suite 1000
Houston, TX 77002

and

New Mexico Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505

Prepared by:

TRC

Customer-Focused Solutions

2313 W. Sam Houston Parkway N., Suite 107
Houston, TX 77043
Telephone: (713) 821-7000
Fax: (713) 821-6000

January 2006

TRC

Customer-Focused Solutions

January 23, 2006

Mr. Wayne Price
New Mexico Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505

Ref: Annual 2005 Groundwater Monitoring Summary Report & Request for Site Closure
Kinder Morgan, Inc. - Former Hobbs Gas Plant @ Hobbs (Lea County), NM
New Mexico Oil Conservation Division (OCD) Discharge Plan GW-191
TRC Environmental Corporation Project #40299

Mr. Price:

This letter report (and appendices) summarizes the semiannual groundwater monitoring activities conducted at the above-referenced location in May and November 2005 by TRC Environmental Corporation (TRC). A site location map is illustrated on Figure 1. The site and general vicinity contain monitor wells MW-1 through MW-12 as illustrated on Figure 2. Monitor wells MW-7, MW-10, MW-11, and MW-12 are located offsite on the adjacent Excel Energy Cunningham Power Station property and State of New Mexico property. Kinder Morgan, Inc. (KMI) has retained responsibility for the historical environmental impacts relating to the operation of the former gas plant facility.

Monitor well MW-6 was plugged, abandoned, and replaced with MW-6R. New off-site monitor wells MW-11 and MW-12 were drilled, installed, and sampled. Results of this work, completed in February 2005, were documented in a *Field Activity Report* dated March 16, 2005.

Laboratory analytical results indicate concentrations of benzene, toluene, ethylbenzene, and xylenes (BTEX) are below the laboratory reporting limits for the last three (3) sampling events from November 2004 through November 2005.

GROUNDWATER SAMPLING PROCEDURES

During each semiannual sampling event, the 12 monitor wells were gauged for water levels and phase-separated hydrocarbons (PSH), if present. Groundwater levels and LNAPL thickness from each monitor well were recorded in a dedicated field book. Sampling was conducted in accordance with the OCD Discharge Plan GW-191.

Monitor wells MW-1 and MW-5 were not purged or sampled during one or both events due to insufficient water columns present at both wells. Monitor wells MW-2, MW-4, and MW-8 were not required for purging and sampling as previously approved by the OCD.

The non-dedicated gauging and sampling equipment were decontaminated prior to use at each monitor well location. Decontamination fluids and disposable personal protective equipment were placed in containers for temporary on-site storage. Each container was labeled for contents, accumulation date, and container number.

2313 W. Sam Houston Parkway N., Suite 107 • Houston, Texas 77043
Telephone 713-821-7000 • Fax 713-821-6000

Groundwater samples were collected using a pre-cleaned submersible pump and dedicated tubing. The pumping rates were maintained between 0.25 to 0.5 liters per minute (L/min). Low-flow purging and sampling were conducted in accordance with the United States Environmental Protection Agency (USEPA) guidelines (EPA/540/S-95/504). Water quality parameters (*e.g.*, pH, specific conductance, turbidity, temperature, dissolved oxygen, and oxidation reduction potential) were measured using an in-line flow-through-cell. Purging continued until the parameters stabilized. The flow rate for sampling was maintained at the same rate at which purging was conducted. Samples were transferred directly from the dedicated tubing into the laboratory-provided glass sample containers. The sample containers were sealed, labeled, and placed on ice inside a cooler to maintain a temperature of four (4) degrees Centigrade. Trip and equipment blank samples were collected and placed in the cooler with the groundwater samples. These samples were analyzed to determine if any sample contaminants were introduced during sample collection and delivery. A standard chain-of-custody form was completed and accompanied the groundwater samples to Trace Analysis, Inc. of Lubbock, Texas.

The collected samples were analyzed for:

- BTEX by USEPA Method 8021B; and
- Chlorides by USEPA Method 300.0.

Appropriate quality control and assurance methods were employed, including the analyses of method blanks and laboratory control spikes.

GROUNDWATER ELEVATIONS

Table 1 provides a cumulative summary of the groundwater elevations measured from September 1996 through November 2005. Ground water elevations measured in February 2005 at new monitor wells MW-11 and MW-12 are included in Table 1. Similarly, a potentiometric surface contour map for February 2005 is repeated herein as Figure 3.

May 2005

Of the 12 wells that were gauged, monitor wells MW-4 and MW-5 were dry. Groundwater elevations ranged from 3,759.05 feet above mean sea level (ft. MSL) at monitor well MW-2 (upgradient) to 3,749.03 ft. MSL at monitor well MW-12 (downgradient).

A potentiometric surface contour map for May 2005 is illustrated on Figure 4. The hydraulic gradient (direction of groundwater flow) is to the southeast at an approximate gradient of 0.0046 ft./ft.

November 2005

Of the 12 wells that were gauged, monitor wells MW-4 and MW-5 were dry. For the remaining monitor wells, the groundwater elevations ranged from 3,759.04 ft. MSL at monitor well MW-2 (upgradient) to 3,748.60 ft. MSL at monitor well MW-12 (downgradient).

A potentiometric surface contour map for November 2005 is illustrated on Figure 5. The hydraulic gradient is to the southeast at an approximate gradient of 0.0048 ft./ft.

GROUNDWATER ANALYTICAL RESULTS

Table 2 provides a cumulative summary of groundwater analytical results from February 1996 through November 2005. Results from February 2005 for new monitor wells MW-11 and MW-12 are included in Table 2. The laboratory data sheets and the chain-of-custody forms for the May and November 2005 sampling events are provided in Appendix A and Appendix B, respectively.

May 2005

For this sampling event, groundwater samples were collected from monitor wells MW-3, MW-6R, MW-7, MW-9, MW-10, MW-11, and MW-12. BTEX constituents were not detected above the laboratory reporting limits in these samples.

Chlorides were detected above laboratory reporting limits at the following monitor well locations:

- MW-3 (139 mg/L);
- MW-6R (37.7 mg/L);
- MW-7 (39.6 mg/L);
- MW-9 (91.5 mg/L);
- MW-10 (197 mg/L);
- MW-11 (62.8 mg/L); and
- MW-12 (36 mg/L).

The reported chloride concentrations are well below the Water Quality Control Commission (WQCC) established guideline of 250 mg/L.

A duplicate sample was collected from monitor well MW-7 in order to determine the reproducibility of the analytical results. This sample, labeled MW-99 on the sample chain-of-custody form, exhibited a nearly identical chloride concentration (42.4 mg/L) to the MW-7 concentration (39.6 mg/L), thus indicating consistent laboratory results. BTEX constituents were not detected above the laboratory reporting limits in the duplicate sample.

November 2005

For this sampling event, groundwater samples were collected from monitor wells MW-3, MW-6R, MW-7, MW-9, MW-10, MW-11, and MW-12. BTEX constituents were not detected above the laboratory reporting limits in these samples.

Chlorides were detected above laboratory reporting limits at the following monitor well locations:

- MW-3 (48.9 mg/L);
- MW-6R (41.1 mg/L);
- MW-7 (47.4 mg/L);
- MW-9 (144 mg/L);
- MW-10 (183 mg/L);
- MW-11 (68.8 mg/L); and
- MW-12 (36.4 mg/L).

The reported chloride concentrations are well below the WQCC established guideline of 250 mg/L.

A duplicate sample for BTEX constituents was collected at monitor well MW-11 in order to determine the reproducibility of the analytical results. This sample, labeled MW-99 on the sample chain-of-custody form, did not exhibit BTEX concentrations above the laboratory reporting limits, thus indicating consistent laboratory results. A duplicate sample for chlorides was also collected from monitor well MW-9. This sample, also labeled MW-99 on the sample chain-of-custody form, exhibited a nearly identical chloride concentration (140 mg/L) to the MW-9 concentration (144 mg/L), thus indicating consistent laboratory results.

QUALITY CONTROL REVIEW OF LABORATORY ANALYTICAL DATA

A review of the monitoring data and associated quality control (QC) data was performed for the May 2005 and November 2005 sampling events at Hobbs. QC data indicate that measurement data are sufficient to meet project quality objectives, the data are defensible, and QC mechanisms are generally effective in ensuring measurement data reliability. No potential data quality issues were identified.

BTEX compounds were not detected above laboratory reporting limits for the trip and equipment blank samples.

CONCLUSIONS

Based on the observations and results of the gauging and sampling events for 2005 combined with a review of the historical site information, TRC concludes the following:

- Pursuant to the *Contaminant Plume Delineation Work Plan* dated December 22, 2003 and approved by the OCD on June 22, 2004, three (3) new monitor wells (MW-6R, MW-11, and MW-12) were installed in February 2005;
- Water levels are continuing to descend beneath the site area. Monitor wells MW-4 and MW-5 were dry during both monitoring events;
- The hydraulic gradient is to the southeast for both monitoring events. Monitor well MW-2 is upgradient and monitor well MW-12 is downgradient with respect to groundwater flow beneath the site area;
- BTEX constituents were not detected above the laboratory reporting limits during both monitoring events; and
- Chloride concentrations reported for both monitoring events were below the WQCC established guideline of 250 mg/L.

RECOMMENDATIONS

Based on the conclusions, KMI and TRC recommend continued semiannual monitor well gauging and sampling. If the BTEX and chloride concentrations in groundwater are below guidelines, then site closure (and monitor well plugging/abandonment) is warranted.

If you have any questions, please do not hesitate to call me at 713.821.6004 or Mr. John Greer with Kinder Morgan at 713.369.9193.

Respectfully submitted,
TRC ENVIRONMENTAL CORPORATION

John D. Daniels, P.G.
Senior Project Manager

Attachments: Tables, Figures, and Appendices A & B

cc: Mr. John Greer (Kinder Morgan)
Project File

Tables

TABLES

TABLE 1
Cumulative Summary of Groundwater Elevations and
Phase-Separated Hydrocarbon Thickness
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Date	*TOC Elevation (ft MSL)	Depth to PSH (ft btoc)	Depth to GW (ft btoc)	PSH Thickness (ft)	GW Elevation (ft MSL)
MW-1: Screened Interval ~41-61 ft bgs.						
MW-1	9/17/1996	495.73	-	53.10	-	442.63
MW-1	10/23/1996	495.73	-	53.34	-	442.39
MW-1	4/10/1997	495.73	-	54.32	-	441.41
MW-1	7/7/1997	495.73	-	64.64	-	431.09
MW-1	10/8/1997	495.73	-	64.98	-	430.75
MW-1	1/6/1998	495.73	-	55.28	-	440.45
MW-1	4/3/1998	495.73	-	55.60	-	440.13
MW-1	6/25/1998	495.73	-	55.87	-	439.86
MW-1	10/2/1998	495.73	-	56.36	-	439.37
MW-1	1/5/1999	495.73	-	54.98	-	440.75
MW-1	4/1/1999	495.73	-	56.89	-	438.84
MW-1	7/14/1999	495.73	-	57.39	-	438.34
MW-1	10/22/1999	495.73	-	57.74	-	437.99
MW-1	1/25/2000	495.73	-	59.00	-	436.73
MW-1	4/3/2000	495.73	-	58.51	-	437.22
MW-1	7/17/2000	495.73	-	59.10	-	436.63
MW-1	10/24/2000	495.73	-	59.45	-	436.28
MW-1	1/24/2001	495.73	-	59.82	-	435.91
MW-1	10/18/2001	495.73	-	Dry	-	Dry
MW-1	3/19/2002	495.73	-	Dry	-	Dry
MW-1	8/14/2002	495.73	-	Dry	-	Dry
MW-1	1/13/2003	495.73	-	60.19	-	435.54
MW-1	8/26/2003	495.73	-	Dry	-	Dry
MW-1	5/11/2004	495.73	-	60.22	-	435.51
MW-1	11/22/2004	495.73	-	60.17	-	435.56
MW-1	2/24/2005	3,815.62	-	60.13	-	3,755.49
MW-1	5/18/2005	3,815.62	-	60.21	-	3,755.41
MW-1	11/15/2005	3,815.62	-	60.26	-	3,755.36
MW-2: Screened Interval ~43-63 ft bgs.						
MW-2	9/17/1996	Not Installed.				
MW-2	10/23/1996	502.41	-	58.33	-	444.08
MW-2	4/10/1997	502.41	-	59.54	-	442.87
MW-2	7/7/1997	502.41	-	60.00	-	442.41
MW-2	10/8/1997	502.41	-	60.39	-	442.02
MW-2	1/6/1998	502.41	-	60.70	-	441.71
MW-2	4/3/1998	502.41	-	61.06	-	441.35
MW-2	6/25/1998	502.41	-	61.37	-	441.04
MW-2	10/2/1998	502.41	-	61.91	-	440.50
MW-2	1/5/1999	502.41	-	60.39	-	442.02
MW-2	4/1/1999	502.41	-	62.28	-	440.13
MW-2	7/14/1999	502.41	-	62.28	-	440.13

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Hobbs (Lea County), New Mexico

Monitor Well	Date	*TOC Elevation (ft MSL)	Depth to PSH (ft btoc)	Depth to GW (ft btoc)	PSH Thickness (ft)	GW Elevation (ft MSL)
MW-2	10/22/1999	502.41	-	62.31	-	440.10
MW-2	1/25/2000	502.41	-	62.34	-	440.07
MW-2	4/3/2000	502.41	-	62.34	-	440.07
MW-2	7/17/2000	502.41	-	62.34	-	440.07
MW-2	10/24/2000	502.41	-	62.37	-	440.04
MW-2	1/24/2001	502.41	-	62.37	-	440.04
MW-2	10/18/2001	502.41	-	62.37	-	440.04
MW-2	3/19/2002	502.41	-	Dry	-	Dry
MW-2	8/14/2002	502.41	-	Dry	-	Dry
MW-2	1/13/2003	502.41	-	62.39	-	440.02
MW-2	8/26/2003	502.41	-	62.41	-	440.00
MW-2	5/11/2004	502.41	-	62.48	-	439.93
MW-2	11/22/2004	502.41	-	62.49	-	439.92
MW-2	2/24/2005	3,821.54	-	62.46	-	3,759.08
MW-2	5/18/2005	3,821.54	-	62.49	-	3,759.05
MW-2	11/15/2005	3,821.54	-	62.50	-	3,759.04
MW-3: Screened Interval ~45-65 ft bgs.						
MW-3	9/17/1996	Not Installed.				
MW-3	10/23/1996	499.13	-	56.28	-	442.85
MW-3	4/10/1997	499.13	-	57.25	-	441.88
MW-3	7/7/1997	499.13	-	57.59	-	441.54
MW-3	10/8/1997	499.13	-	57.92	-	441.21
MW-3	1/8/1998	499.13	-	58.24	-	440.89
MW-3	4/3/1998	499.13	-	58.41	-	440.72
MW-3	6/25/1998	499.13	-	58.84	-	440.29
MW-3	10/2/1998	499.13	-	59.36	-	439.77
MW-3	1/5/1999	499.13	-	57.92	-	441.21
MW-3	4/1/1999	499.13	-	59.89	-	439.24
MW-3	7/14/1999	499.13	-	60.40	-	438.73
MW-3	10/22/1999	499.13	-	60.76	-	438.37
MW-3	1/25/2000	499.13	-	61.21	-	437.92
MW-3	4/3/2000	499.13	-	61.57	-	437.56
MW-3	7/17/2000	499.13	-	62.11	-	437.02
MW-3	10/24/2000	499.13	-	62.48	-	436.65
MW-3	1/24/2001	499.13	-	62.83	-	436.30
MW-3	10/18/2001	499.13	-	64.17	-	434.96
MW-3	3/19/2002	499.13	-	64.44	-	434.69
MW-3	8/14/2002	499.13	-	Dry	-	Dry
MW-3	1/13/2003	499.13	-	64.34	-	434.79
MW-3	8/26/2003	499.13	-	64.80	-	434.33
MW-3	5/11/2004	499.13	-	64.98	-	434.15
MW-3	11/22/2004	499.13	-	64.01	-	435.12
MW-3	2/24/2005	3,818.24	-	63.56	-	3,754.68
MW-3	5/18/2005	3,818.24	-	63.48	-	3,754.76
MW-3	11/15/2005	3,818.24	-	63.45	-	3,754.79

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Hobbs (Lea County), New Mexico

Monitor Well	Date	*TOC Elevation (ft MSL)	Depth to PSH (ft btoc)	Depth to GW (ft btoc)	PSH Thickness (ft)	GW Elevation (ft MSL)
MW-4: Screened Interval ~45-65 ft bgs.						
MW-4	9/17/1996	Not Installed.				
MW-4	10/23/1996	501.12	-	58.12	-	443.00
MW-4	4/10/1997	501.12	-	58.83	-	442.29
MW-4	7/7/1997	501.12	-	59.19	-	441.93
MW-4	10/8/1997	501.12	-	59.56	-	441.56
MW-4	1/6/1998	501.12	-	59.91	-	441.21
MW-4	4/3/1998	501.12	-	60.21	-	440.91
MW-4	6/25/1998	501.12	-	60.48	-	440.64
MW-4	10/2/1998	501.12	-	60.97	-	440.15
MW-4	1/5/1999	501.12	-	59.56	-	441.56
MW-4	4/1/1999	501.12	-	61.57	-	439.55
MW-4	7/14/1999	501.12	-	62.03	-	439.09
MW-4	10/22/1999	501.12	-	62.37	-	438.75
MW-4	1/25/2000	501.12	-	62.82	-	438.30
MW-4	4/3/2000	501.12	-	63.14	-	437.98
MW-4	7/17/2000	501.12	-	63.73	-	437.39
MW-4	10/24/2000	501.12	-	64.10	-	437.02
MW-4	1/24/2001	501.12	-	64.45	-	436.67
MW-4	10/18/2001	501.12	-	Dry	-	Dry
MW-4	3/19/2002	501.12	-	Dry	-	Dry
MW-4	8/14/2002	501.12	-	Dry	-	Dry
MW-4	1/13/2003	501.12	-	Dry	-	Dry
MW-4	8/26/2003	501.12	-	Dry	-	Dry
MW-4	5/11/2004	501.12	-	Dry	-	Dry
MW-4	11/22/2004	501.12	-	Dry	-	Dry
MW-4	2/24/2005	3,820.24	-	Dry	-	Dry
MW-4	5/18/2005	3,820.24	-	Dry	-	Dry
MW-4	11/15/2005	3,820.24	-	Dry	-	Dry
MW-5: Screened Interval ~45-65 ft bgs.						
MW-5	9/17/1996	Not Installed.				
MW-5	10/23/1996	500.84	-	58.96	-	441.88
MW-5	4/10/1997	500.84	-	59.77	-	441.07
MW-5	7/7/1997	500.84	-	60.10	-	440.74
MW-5	10/8/1997	500.84	-	60.31	-	440.53
MW-5	1/6/1998	500.84	-	60.76	-	440.08
MW-5	4/3/1998	500.84	-	61.05	-	439.79
MW-5	6/25/1998	500.84	-	61.05	-	439.79
MW-5	10/2/1998	500.84	-	61.77	-	439.07
MW-5	1/5/1999	500.84	-	60.31	-	440.53
MW-5	4/1/1999	500.84	-	62.24	-	438.60
MW-5	7/14/1999	500.84	-	62.76	-	438.08
MW-5	10/22/1999	500.84	-	63.08	-	437.76

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Hobbs (Lea County), New Mexico

Monitor Well	Date	*TOC Elevation (ft MSL)	Depth to PSH (ft btoc)	Depth to GW (ft btoc)	PSH Thickness (ft)	GW Elevation (ft MSL)
MW-5	1/25/2000	500.84	-	63.51	-	437.33
MW-5	4/3/2000	500.84	-	63.84	-	437.00
MW-5	7/17/2000	500.84	-	64.35	-	436.49
MW-5	10/24/2000	500.84	-	64.68	-	436.16
MW-5	1/24/2001	500.84	-	Dry	-	Dry
MW-5	10/18/2001	500.84	-	Dry	-	Dry
MW-5	3/19/2002	500.84	-	Dry	-	Dry
MW-5	8/14/2002	500.84	-	Dry	-	Dry
MW-5	1/13/2003	500.84	-	Dry	-	Dry
MW-5	8/26/2003	500.84	-	Dry	-	Dry
MW-5	5/11/2004	500.84	-	Dry	-	Dry
MW-5	11/22/2004	500.84	-	67.10	-	433.74
MW-5	2/24/2005	3,819.20	-	Dry	-	Dry
MW-5	5/18/2005	3,819.20	-	Dry	-	Dry
MW-5	11/15/2005	3,819.20	-	Dry	-	Dry
MW-6: Screened Interval ~43-63 ft bgs.						
MW-6	9/17/1996	Not Installed.				
MW-6	10/23/1996	496.27	-	55.53	-	440.74
MW-6	4/10/1997	496.27	-	56.28	-	439.99
MW-6	7/7/1997	496.27	-	56.58	-	439.69
MW-6	10/8/1997	496.27	-	56.68	-	439.59
MW-6	1/6/1998	496.27	-	57.23	-	439.04
MW-6	4/3/1998	496.27	-	57.49	-	438.78
MW-6	6/25/1998	496.27	-	57.49	-	438.78
MW-6	10/2/1998	496.27	-	57.17	-	439.10
MW-6	1/5/1999	496.27	-	56.88	-	439.39
MW-6	4/1/1999	496.27	-	58.52	-	437.75
MW-6	7/14/1999	496.27	-	59.08	-	437.19
MW-6	10/22/1999	496.27	-	59.36	-	436.91
MW-6	1/25/2000	496.27	-	59.77	-	436.50
MW-6	4/3/2000	496.27	-	60.08	-	436.19
MW-6	7/17/2000	496.27	-	60.50	-	435.77
MW-6	10/24/2000	496.27	-	60.86	-	435.41
MW-6	1/24/2001	496.27	-	61.22	-	435.05
MW-6	10/18/2001	496.27	-	Dry	-	Dry
MW-6	3/19/2002	496.27	-	Dry	-	Dry
MW-6	8/14/2002	496.27	-	Dry	-	Dry
MW-6	1/13/2003	496.27	-	62.57	-	433.70
MW-6	8/26/2003	496.27	-	Dry	-	Dry
MW-6	5/11/2004	496.27	-	Dry	-	Dry
MW-6	11/22/2004	496.27	-	Dry	-	Dry
MW-6R: Screened Interval ~60-80 ft bgs.						
MW-6R	2/24/2005	3,816.52	-	63.32	-	3,753.20
MW-6R	5/18/2005	3,816.52	-	63.48	-	3,753.04
MW-6R	11/15/2005	3,816.52	-	63.70	-	3,752.82

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MW-7: Screened Interval ~49-69 ft bgs.						
MW-7	9/17/1996	Not Installed.				
MW-7	10/23/1996	Not Installed.				
MW-7	4/10/1997	495.44	-	57.28	-	438.16
MW-7	7/7/1997	495.44	-	57.54	-	437.90
MW-7	10/8/1997	495.44	-	57.85	-	437.59
MW-7	1/6/1998	495.44	-	58.17	-	437.27
MW-7	4/3/1998	495.44	-	58.47	-	436.97
MW-7	6/25/1998	495.44	-	58.70	-	436.74
MW-7	10/2/1998	495.44	-	58.99	-	436.45
MW-7	1/5/1999	495.44	-	57.85	-	437.59
MW-7	4/1/1999	495.44	-	59.36	-	436.08
MW-7	7/14/1999	495.44	-	59.84	-	435.60
MW-7	10/22/1999	495.44	-	60.14	-	435.30
MW-7	1/25/2000	495.44	-	60.58	-	434.86
MW-7	4/3/2000	495.44	-	60.83	-	434.61
MW-7	7/17/2000	495.44	-	61.10	-	434.34
MW-7	10/24/2000	495.44	-	61.46	-	433.98
MW-7	1/24/2001	495.44	-	61.84	-	433.60
MW-7	10/18/2001	495.44	-	62.79	-	432.65
MW-7	3/19/2002	495.44	-	63.43	-	432.01
MW-7	8/14/2002	495.44	-	63.67	-	431.77
MW-7	1/13/2003	495.44	-	63.65	-	431.79
MW-7	8/26/2003	495.44	63.91	63.92	Sheen	431.52
MW-7	5/11/2004	495.44	-	64.35	-	431.09
MW-7	11/22/2004	495.44	-	63.58	-	431.86
MW-7	2/24/2005	3,814.44	-	62.91	-	3,751.53
MW-7	5/18/2005	3,814.44	-	62.98	-	3,751.46
MW-7	11/15/2005	3,814.44	-	63.28	-	3,751.16
MW-8: Screened Interval ~51-71 ft bgs.						
MW-8	9/17/1996	Not Installed.				
MW-8	10/23/1996	Not Installed.				
MW-8	4/10/1997	501.81	-	60.32	-	441.49
MW-8	7/7/1997	501.81	-	60.67	-	441.14
MW-8	10/8/1997	501.81	-	61.00	-	440.81
MW-8	1/6/1998	501.81	-	61.35	-	440.46
MW-8	4/3/1998	501.81	-	61.61	-	440.20
MW-8	6/25/1998	501.81	-	61.87	-	439.94
MW-8	10/2/1998	501.81	-	62.27	-	439.54
MW-8	1/5/1999	501.81	-	61.00	-	440.81
MW-8	4/1/1999	501.81	-	62.79	-	439.02
MW-8	7/14/1999	501.81	-	63.19	-	438.62

TABLE 1
Cumulative Summary of Groundwater Elevations and
Phase-Separated Hydrocarbon Thickness
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Date	*TOC Elevation (ft MSL)	Depth to PSH (ft btoc)	Depth to GW (ft btoc)	PSH Thickness (ft)	GW Elevation (ft MSL)
MW-8	10/22/1999	501.81	-	63.51	-	438.30
MW-8	1/25/2000	501.81	-	63.97	-	437.84
MW-8	4/3/2000	501.81	-	64.26	-	437.55
MW-8	7/17/2000	501.81	-	64.68	-	437.13
MW-8	10/24/2000	501.81	-	65.04	-	436.77
MW-8	1/24/2001	501.81	-	64.38	-	437.43
MW-8	10/18/2001	501.81	-	66.51	-	435.30
MW-8	3/19/2002	501.81	-	66.99	-	434.82
MW-8	8/14/2002	501.81	-	67.23	-	434.58
MW-8	1/13/2003	501.81	-	67.12	-	434.69
MW-8	8/26/2003	501.81	-	67.41	-	434.40
MW-8	5/11/2004	501.81	-	67.71	-	434.10
MW-8	11/22/2004	501.81	-	Dry	-	Dry
MW-8	2/24/2005	3,820.83	-	66.49	-	3,754.34
MW-8	5/18/2005	3,820.83	-	66.43	-	3,754.40
MW-8	11/15/2005	3,820.83	-	66.52	-	3,754.31
MW-9: Screened Interval ~48-68 ft bgs.						
MW-9	9/17/1996	Not Installed.				
MW-9	10/23/1996	Not Installed.				
MW-9	4/10/1997	496.85	-	56.29	-	440.56
MW-9	7/7/1997	496.85	-	56.66	-	440.19
MW-9	10/8/1997	496.85	-	57.00	-	439.85
MW-9	1/6/1998	496.85	-	57.38	-	439.47
MW-9	4/3/1998	496.85	-	57.67	-	439.18
MW-9	6/25/1998	496.85	-	57.95	-	438.90
MW-9	10/2/1998	496.85	-	58.34	-	438.51
MW-9	1/5/1999	496.85	-	57.00	-	439.85
MW-9	4/1/1999	496.85	-	58.73	-	438.12
MW-9	7/14/1999	496.85	-	59.31	-	437.54
MW-9	10/22/1999	496.85	-	59.61	-	437.24
MW-9	1/25/2000	496.85	-	60.07	-	436.78
MW-9	4/3/2000	496.85	-	60.43	-	436.42
MW-9	7/17/2000	496.85	-	60.92	-	435.93
MW-9	10/24/2000	496.85	-	61.30	-	435.55
MW-9	1/24/2001	496.85	-	61.67	-	435.18
MW-9	10/18/2001	496.85	-	62.94	-	433.91
MW-9	3/19/2002	496.85	-	63.47	-	433.38
MW-9	8/14/2002	496.85	-	63.95	-	432.90
MW-9	1/13/2003	496.85	-	63.33	-	433.52
MW-9	8/26/2003	496.85	-	63.80	-	433.05
MW-9	5/11/2004	496.85	-	64.03	-	432.82
MW-9	11/22/2004	496.85	-	62.99	-	433.86
MW-9	2/24/2005	3,815.91	-	62.39	-	3,753.52
MW-9	5/19/2005	3,815.91	-	62.50	-	3,753.41
MW-9	11/15/2005	3,815.91	-	62.63	-	3,753.28

TABLE 1
Cumulative Summary of Groundwater Elevations and
Phase-Separated Hydrocarbon Thickness
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Date	*TOC Elevation (ft MSL)	Depth to PSH (ft btoc)	Depth to GW (ft btoc)	PSH Thickness (ft)	GW Elevation (ft MSL)
MW-10: Screened Interval ~47-67 ft bgs.						
MW-10	9/17/1996	Not Installed.				
MW-10	10/23/1996	Not Installed.				
MW-10	4/10/1997	492.46	-	52.83	-	439.63
MW-10	7/7/1997	492.46	-	53.09	-	439.37
MW-10	10/8/1997	492.46	-	53.43	-	439.03
MW-10	1/6/1998	492.46	-	53.86	-	438.60
MW-10	4/3/1998	492.46	-	54.17	-	438.29
MW-10	6/25/1998	492.46	-	54.35	-	438.11
MW-10	10/2/1998	492.46	-	54.76	-	437.70
MW-10	1/5/1999	492.46	-	54.43	-	438.03
MW-10	4/1/1999	492.46	-	55.04	-	437.42
MW-10	7/14/1999	492.46	-	55.59	-	436.87
MW-10	10/22/1999	492.46	-	55.94	-	436.52
MW-10	1/25/2000	492.46	-	56.35	-	436.11
MW-10	4/3/2000	492.46	-	56.96	-	435.50
MW-10	7/17/2000	492.46	-	57.02	-	435.44
MW-10	10/24/2000	492.46	-	57.44	-	435.02
MW-10	1/24/2001	492.46	-	57.84	-	434.62
MW-10	10/18/2001	492.46	-	59.91	-	432.55
MW-10	3/19/2002	492.46	-	59.67	-	432.79
MW-10	8/14/2002	492.46	-	59.76	-	432.70
MW-10	1/13/2003	492.46	-	59.62	-	432.84
MW-10	8/26/2003	492.46	-	61.97	-	430.49
MW-10	5/11/2004	492.46	-	60.41	-	432.05
MW-10	11/22/2004	492.46	-	65.28	-	427.18
MW-10	2/24/2005	3,811.42	-	NM	-	NM
MW-10	5/18/2005	3,811.42	-	58.75	-	3,752.67
MW-10	11/15/2005	3,811.42	-	59.93	-	3,751.49
MW-11: Screened Interval ~60-80 ft bgs.						
MW-11	2/24/2005	3,811.66	-	61.52	-	3,750.14
MW-11	5/18/2005	3,811.66	-	61.78	-	3,749.88
MW-11	11/15/2005	3,811.66	-	62.20	-	3,749.46
MW-12: Screened Interval ~60-80 ft bgs.						
MW-12	2/24/2005	3,811.70	-	62.61	-	3,749.09
MW-12	5/18/2005	3,811.70	-	62.67	-	3,749.03
MW-12	11/15/2005	3,811.70	-	63.10	-	3,748.60

NOTES:
GW = Groundwater
PSH = Phase-separated hydrocarbons
TOC = Top of casing
ft. MSL = Feet mean sea level
ft. btoc = Feet below top of casing
* Top of casing elevations were surveyed to ft. MSL on 2/24/05 by John West Surveying.
Prior to 2/24/05 top of casing elevations were based on an arbitrary elevation of 500 ft.

TABLE 2
Cumulative Summary of Groundwater Analytical Results
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	Phenol (mg/l)	Naphthalene (mg/l)	Chlorides (mg/l)
WQCC Guideline:		0.01	0.75	0.75	0.62	0.005	0.03	250
MW-1	2/14/1996	**0.083**	<0.001	<0.001	0.01	--	--	--
MW-1	2/29/1996	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-1	4/20/1996	**0.305**	<0.001	0.002	0.032	<0.001	0.017	--
MW-1	10/23/1996	**0.352**	<0.001	0.026	0.081	0.025	0.010	--
MW-1	4/10/1997	**0.268**	<0.001	0.012	0.034	<0.001	0.007	--
MW-1	7/7/1997	**0.243**	--	--	--	--	0.005	--
MW-1	10/8/1997	**0.180**	<0.001	0.012	<0.001	--	0.003	<10
MW-1	1/5/1998	**0.138**	<0.001	0.008	<0.001	--	0.002	6.2
MW-1	4/3/1998	**0.109**	<0.001	0.004	0.006	--	0.003	51
MW-1	6/25/1998	**0.071**	<0.001	0.002	0.003	--	<0.001	7.3
MW-1	10/2/1998	**0.078**	<0.005	<0.005	<0.005	--	<0.001	14
MW-1	1/5/1999	0.005	<0.001	<0.001	<0.001	--	--	--
MW-1	4/1/1999	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-1	7/14/1999	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-1	10/22/1999	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-1	1/25/2000	0.001	<0.001	<0.001	<0.001	--	--	--
MW-1	4/3/2000	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-1	7/17/2000	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-1	10/24/2000	**0.055**	0.036	0.025	0.090	--	--	--
MW-1	1/24/2001	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-1	10/18/2001	Insufficient water column present to purge/sample.						
MW-1	3/19/2002	Insufficient water column present to purge/sample.						
MW-1	8/14/2002	Insufficient water column present to purge/sample.						
MW-1	1/13/2003	Insufficient water column present to purge/sample.						
MW-1	8/26/2003	Insufficient water column present to purge/sample.						
MW-1	5/11/2004	Insufficient water column present to purge/sample.						
MW-1	11/22/2004	Insufficient water column present to purge/sample.						
MW-1	5/18/2005	Insufficient water column present to purge/sample.						
MW-1	11/15/2005	Insufficient water column present to purge/sample.						
MW-2	10/23/1996	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
MW-2	4/10/1997	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
MW-2	7/7/1997	<0.001	--	--	--	--	--	--
MW-2	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	<0.001	19
MW-2	1/6/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	27
MW-2	4/3/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	96
MW-2	6/25/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	25
MW-2	10/2/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	--
MW-2	1/5/1999	Sampling discontinued as approved by OCD.						
MW-2	1/13/2003	Sampling discontinued as approved by OCD.						
MW-2	8/26/2003	Sampling discontinued as approved by OCD.						
MW-2	5/11/2004	Sampling discontinued as approved by OCD.						
MW-2	11/22/2004	Sampling discontinued as approved by OCD.						
MW-2	5/18/2005	Sampling discontinued as approved by OCD.						
MW-2	11/15/2005	Sampling discontinued as approved by OCD.						
MW-3	10/23/1996	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
MW-3	4/10/1997	**0.016**	<0.001	<0.001	<0.001	<0.001	<0.001	--
MW-3	7/7/1997	0.003	<0.001	<0.001	<0.001	--	--	--
MW-3	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	<0.001	64
MW-3	1/8/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	58
MW-3	4/3/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	130
MW-3	6/25/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	12
MW-3	10/2/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	46
MW-3	1/5/1999	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-3	4/1/1999	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-3	7/14/1999	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-3	10/22/1999	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-3	1/25/2000	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-3	4/3/2000	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-3	7/17/2000	**0.01**	<0.005	<0.005	<0.005	--	--	--
MW-3	10/24/2000	**0.02**	0.008	<0.005	0.014	--	--	--
MW-3	1/24/2001	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-3	10/18/2001	0.006	<0.001	<0.001	<0.001	--	--	--
MW-3	3/19/2002	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-3	8/14/2002	Insufficient water column present to purge/sample.						

TABLE 2
Cumulative Summary of Groundwater Analytical Results
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	Phenol (mg/l)	Naphthalene (mg/l)	Chlorides (mg/l)
WQCC Guideline:		0.01	0.75	0.75	0.62	0.005	0.03	250
MW-3	1/13/2003	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-3	8/26/2003	Insufficient water column present to purge/sample.						
MW-3	5/11/2004	Insufficient water column present to purge/sample.						
MW-3	11/22/2004	<0.001	<0.001	<0.001	<0.001	--	--	156
MW-3	5/18/2005	<0.001	<0.001	<0.001	<0.001	--	--	139
MW-3	11/15/2005	<0.001	<0.001	<0.001	<0.001	--	--	48.9
MW-4	10/23/1996	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
MW-4	4/10/1997	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
MW-4	7/7/1997	<0.001	--	--	--	--	--	--
MW-4	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	<0.001	<10
MW-4	1/6/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	10
MW-4	4/3/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	58
MW-4	6/25/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	11
MW-4	10/2/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	18
MW-4	1/5/1999	Sampling discontinued as approved by OCD.						
MW-4	1/13/2003	Sampling discontinued as approved by OCD.						
MW-4	8/26/2003	Sampling discontinued as approved by OCD. Well was dry.						
MW-4	5/11/2004	Sampling discontinued as approved by OCD. Well was dry.						
MW-4	11/22/2004	Sampling discontinued as approved by OCD. Well was dry.						
MW-4	5/18/2005	Sampling discontinued as approved by OCD. Well was dry.						
MW-4	11/15/2005	Sampling discontinued as approved by OCD. Well was dry.						
MW-5	10/23/1996	**0.135**	<0.001	0.006	0.071	<0.001	<0.001	--
MW-5	4/10/1997	**0.043**	<0.001	<0.001	0.063	<0.001	0.001	--
MW-5	7/7/1997	**0.015**	--	--	--	--	<0.001	--
MW-5	10/8/1997	**0.050**	<0.001	<0.001	<0.001	--	0.001	24
MW-5	1/6/1998	**0.031**	<0.001	<0.001	0.010	--	<0.001	27
MW-5	4/3/1998	**0.037**	<0.001	0.002	0.019	--	0.001	69
MW-5	6/25/1998	**0.017**	<0.001	<0.001	0.006	--	<0.001	23
MW-5	10/2/1998	**0.011**	<0.001	<0.001	<0.001	--	<0.001	87
MW-5	1/5/1999	0.005	<0.001	<0.001	<0.001	--	--	--
MW-5	4/1/1999	0.003	<0.001	<0.001	<0.001	--	--	--
MW-5	7/14/1999	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-5	10/22/1999	<0.001	<0.001	<0.001	<0.001	--		--
MW-5	1/25/2000	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-5	4/3/2000	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-5	7/17/2000	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-5	10/24/2000	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-5	1/24/2001	Insufficient water column present to purge/sample.						
MW-5	10/18/2001	Insufficient water column present to purge/sample.						
MW-5	3/19/2002	Insufficient water column present to purge/sample.						
MW-5	8/14/2002	Insufficient water column present to purge/sample.						
MW-5	1/13/2003	Insufficient water column present to purge/sample.						
MW-5	8/26/2003	Insufficient water column present to purge/sample.						
MW-5	5/11/2004	Insufficient water column present to purge/sample.						
MW-5	11/22/2004	<0.001	<0.001	<0.001	<0.001	--	--	30.3
MW-5Dup	11/22/2004	<0.001	<0.001	<0.001	<0.001	--	--	30.4
MW-5	5/18/2005	Insufficient water column present to purge/sample.						
MW-5	11/15/2005	Insufficient water column present to purge/sample.						
MW-6	10/23/1996	**0.192**	<0.001	0.006	0.013	<0.001	<0.001	--
MW-6	4/10/1997	**0.272**	<0.001	<0.001	0.014	<0.001	0.001	--
MW-6	7/7/1997	**0.106**	--	--	--	--	--	--
MW-6	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	0.001	30
MW-6	1/6/1998	**0.132**	<0.001	<0.001	0.004	--	<0.001	31
MW-6	4/3/1998	**0.165**	<0.001	0.002	0.008	--	0.001	98
MW-6	6/25/1998	**0.143**	<0.001	<0.001	0.009	--	<0.001	28
MW-6	10/2/1998	**0.157**	<0.005	<0.005	0.012	--	<0.001	31
MW-6	1/5/1999	**0.123**	<0.001	<0.001	0.004	--	--	56
MW-6	4/1/1999	**0.12**	<0.001	<0.001	<0.001	--	--	31
MW-6	7/14/1999	**0.093**	<0.005	<0.005	<0.005	--	--	34
MW-6	10/22/1999	**0.09**	<0.001	<0.001	<0.001	--		31.5
MW-6	1/25/2000	**0.105**	<0.001	<0.001	<0.001	--	--	35
MW-6	4/3/2000	**0.157**	<0.005	<0.005	<0.005	--	--	33
MW-6	7/17/2000	**0.126**	<0.005	<0.005	<0.005	--	--	33

TABLE 2
Cumulative Summary of Groundwater Analytical Results
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	Phenol (mg/l)	Naphthalene (mg/l)	Chlorides (mg/l)
WQCC Guideline:		0.01	0.75	0.75	0.62	0.005	0.03	250
MW-6	10/24/2000	**0.031**	<0.005	<0.005	0.006	--	--	30
MW-6	1/24/2001	**0.02**	<0.005	<0.005	<0.005	--	--	28
MW-6	10/18/2001	Insufficient water column present to purge/sample.						
MW-6	3/19/2002	Insufficient water column present to purge/sample.						
MW-6	8/14/2002	Insufficient water column present to purge/sample.						
MW-6	1/13/2003	Insufficient water column present to purge/sample.						
MW-6	8/26/2003	Insufficient water column present to purge/sample.						
MW-6	5/11/2004	Insufficient water column present to purge/sample.						
MW-6	11/22/2004	Insufficient water column present to purge/sample.						
MW-6	5/18/2005	Plugged and abandoned in February 2005; replaced with monitor well MW-6R.						
MW-6R	5/18/2005	<0.001	<0.001	<0.001	<0.001	--	--	37.7
MW-6R	11/15/2005	<0.001	<0.001	<0.001	<0.001	--	--	41.4
MW-7	1/9/1997	<0.001	<0.001	0.006	0.013	<0.001	<0.001	--
MW-7	4/10/1997	<0.001	<0.001	<0.001	0.014	<0.001	0.001	--
MW-7	7/7/1997	<0.001	--	--	--	--	--	--
MW-7	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	0.001	33
MW-7	1/6/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	37
MW-7	4/3/1998	<0.001	<0.001	<0.001	<0.001	--	0.001	120
MW-7	6/25/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	33
MW-7	10/2/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	36
MW-7	1/5/1999	<0.001	<0.001	<0.001	<0.001	--	--	74
MW-7	4/1/1999	<0.001	<0.001	<0.001	<0.001	--	--	36
MW-7	7/14/1999	<0.001	<0.001	<0.001	<0.001	--	--	35
MW-7	10/22/1999	<0.001	<0.001	<0.001	<0.001	--		35.2
MW-7	1/25/2000	<0.001	<0.001	<0.001	<0.001	--	--	32
MW-7	4/3/2000	<0.001	<0.001	<0.001	<0.001	--	--	31
MW-7	7/17/2000	<0.001	<0.001	<0.001	<0.001	--	--	32
MW-7	10/24/2000	<0.001	<0.001	<0.001	<0.001	--	--	33
MW-7	1/24/2001	<0.005	<0.005	<0.005	<0.005	--	--	33
MW-7	10/18/2001	**0.025**	<0.001	<0.001	<0.001	--	--	39.5
MW-7	3/19/2002	**0.414**	<0.001	<0.001	<0.001	--	--	39.8
MW-7	8/14/2002	**0.750**	<0.005	<0.005	<0.005	--	--	47.1
MW-7	1/13/2003	**0.799**	<0.005	<0.005	<0.005	--	--	38.5
MW-7	8/26/2003	Sheen detected. Not sampled.						
MW-7	5/11/2004	**0.122**	<0.001	<0.001	<0.001	--	--	46.5
MW-7	11/22/2004	<0.001	<0.001	<0.001	<0.001	--	--	47.6
MW-7	5/18/2005	<0.001	<0.001	<0.001	<0.001	--	--	39.6
MW-7Dup	5/18/2005	<0.001	<0.001	<0.001	<0.001	--	--	42.4
MW-7	11/15/2005	<0.001	<0.001	<0.001	<0.001	--	--	47.4
MW-8	10/23/1996	Well not installed.						
MW-8	4/10/1997	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
MW-8	7/7/1997	<0.001	--	--	--	--	--	--
MW-8	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	<0.001	15
MW-8	1/6/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	27
MW-8	4/3/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	160
MW-8	6/25/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	26
MW-8	10/2/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	27
MW-8	1/5/1999	Sampling discontinued as approved by OCD.						
MW-8	1/13/2003	Sampling discontinued as approved by OCD.						
MW-8	8/26/2003	Sampling discontinued as approved by OCD.						
MW-8	5/11/2004	Sampling discontinued as approved by OCD.						
MW-8	11/22/2004	Sampling discontinued as approved by OCD.						
MW-8	5/18/2005	Sampling discontinued as approved by OCD.						
MW-8	11/15/2005	Sampling discontinued as approved by OCD.						
MW-9	10/23/1996	Well not installed.						
MW-9	4/10/1997	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	**320**
MW-9	7/7/1997	<0.001	--	--	--	--	--	41
MW-9	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	0.001	**560**
MW-9	1/6/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	**490**
MW-9	4/3/1998	<0.001	<0.001	<0.001	<0.001	--	0.001	**460**
MW-9	6/25/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	**290**
MW-9	10/2/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	200
MW-9	1/5/1999	<0.001	<0.001	<0.001	<0.001	--	--	**520**
MW-9	4/1/1999	<0.001	<0.001	<0.001	<0.001	--	--	**260**

TABLE 2
Cumulative Summary of Groundwater Analytical Results
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	Phenol (mg/l)	Naphthalene (mg/l)	Chlorides (mg/l)
WQCC Guideline:		0.01	0.75	0.75	0.62	0.005	0.03	250
MW-9	7/14/1999	<0.001	<0.001	<0.001	<0.001	--	--	**284**
MW-9	10/22/1999	<0.001	<0.001	<0.001	<0.001	--		**278**
MW-9	1/25/2000	<0.005	<0.005	<0.005	<0.005	--	--	**300**
MW-9	4/3/2000	<0.005	<0.005	<0.005	<0.005	--	--	**250**
MW-9	7/17/2000	<0.001	<0.001	<0.001	<0.001	--	--	95
MW-9	10/24/2000	<0.001	<0.001	<0.001	<0.001	--	--	40
MW-9	1/24/2001	<0.005	<0.005	<0.005	<0.005	--	--	42
MW-9	10/18/2001	<0.001	<0.001	<0.001	<0.001	--	--	166
MW-9	3/19/2002	0.0046	<0.001	<0.001	<0.001	--	--	77.5
MW-9	8/14/2002	0.0022	<0.001	<0.001	<0.001	--	--	106
MW-9	1/13/2003	<0.001	<0.001	<0.001	<0.001	--	--	92.1
MW-9	8/26/2003	<0.005	<0.005	<0.005	<0.005	--	--	111
MW-9	5/11/2004	<0.001	<0.001	<0.001	<0.001	--	--	206
MW-9	11/22/2004	<0.001	<0.001	<0.001	<0.001	--	--	104
MW-9	5/18/2005	<0.001	<0.001	<0.001	<0.001	--	--	91.5
MW-9	11/15/2005	<0.001	<0.001	<0.001	<0.001	--	--	144
MW-10	10/23/1996	Well not installed.						
MW-10	4/10/1997	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	--
MW-10	7/7/1997	<0.001	--	--	--	--	--	8.8
MW-10	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	0.001	110
MW-10	1/6/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	101
MW-10	4/3/1998	<0.001	<0.001	<0.001	<0.001	--	0.001	180
MW-10	6/25/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	140
MW-10	10/2/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	160
MW-10	1/5/1999	<0.001	<0.001	<0.001	<0.001	--	--	140
MW-10	4/1/1999	<0.001	<0.001	<0.001	<0.001	--	--	128
MW-10	7/14/1999	<0.001	<0.001	<0.001	<0.001	--	--	124
MW-10	10/22/1999	<0.001	<0.001	<0.001	<0.001	--		122
MW-10	1/25/2000	<0.001	<0.001	<0.001	<0.001	--	--	120
MW-10	4/3/2000	<0.001	<0.001	<0.001	<0.001	--	--	130
MW-10	7/17/2000	<0.005	<0.005	<0.005	<0.005	--	--	130
MW-10	10/24/2000	<0.001	<0.001	<0.001	<0.001	--	--	150
MW-10	1/24/2001	<0.005	<0.005	<0.005	<0.005	--	--	18
MW-10	10/18/2001	<0.001	<0.001	<0.001	<0.001	--	--	119
MW-10	3/19/2002	0.0043	<0.001	<0.001	<0.001	--	--	78.9
MW-10	8/14/2002	<0.001	<0.001	<0.001	<0.001	--	--	96.4
MW-10	1/13/2003	<0.001	<0.001	<0.001	<0.001	--	--	140
MW-10	8/26/2003	<0.001	0.0012	<0.001	<0.001	--	--	162
MW-10	5/11/2004	<0.001	<0.001	<0.001	<0.001	--	--	111
MW-10D	5/11/2004	<0.001	<0.001	<0.001	<0.001	--	--	106
MW-10	11/22/2004	<0.001	<0.001	<0.001	<0.001	--	--	26.8
MW-10	5/18/2005	<0.001	<0.001	<0.001	<0.001	--	--	197
MW-10	11/15/2005	<0.001	<0.001	<0.001	<0.001	--	--	183
MW-11	2/24/2005	<0.001	<0.001	<0.001	<0.001	--	--	76.4
MW-11	5/18/2005	<0.001	<0.001	<0.001	<0.001	--	--	62.8
MW-11	11/15/2005	<0.001	<0.001	<0.001	<0.001	--	--	68.8
MW-11Dup	11/15/2005	<0.001	<0.001	<0.001	<0.011	--	--	--
MW-12	2/24/2005	<0.001	<0.001	<0.001	<0.001	--	--	43.7
MW-12	5/18/2005	<0.001	<0.001	<0.001	<0.001	--	--	36
MW-12	11/15/2005	<0.001	<0.001	<0.001	<0.001	--	--	36.4

NOTE:

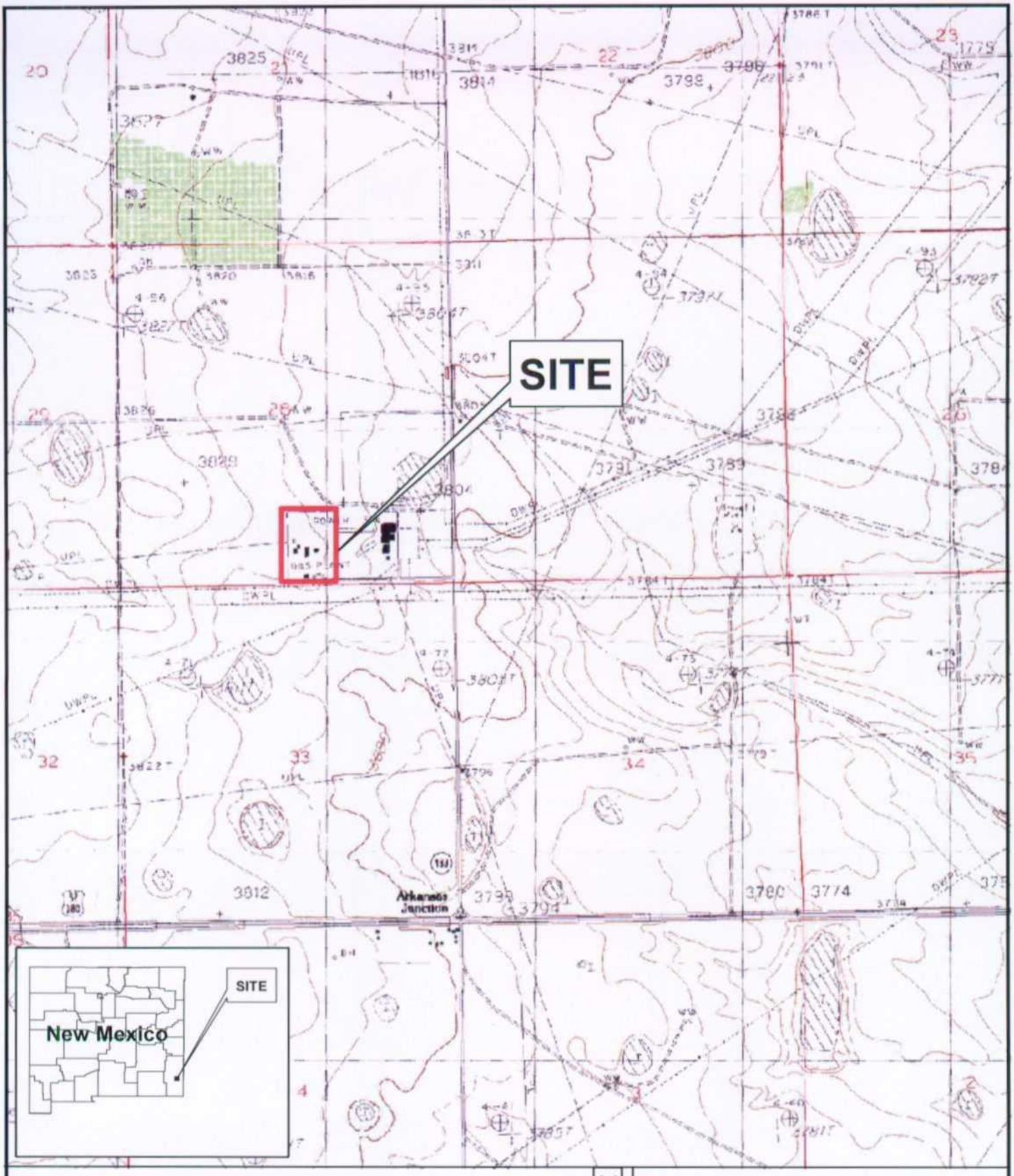
Shaded and **bolded** results exceed the New Mexico Water Quality Commission established guideline levels:
benzene = 0.01 mg/L and chlorides = 250 mg/L.

mg/L = milligrams per Liter or parts per million.

-- = Constituent not analyzed for.

Figures

FIGURES



0 2,250 4,500 Feet

N

SOURCE:
USGS 7.5 MINUTE QUADRANGLE MAPS
FOR MONUMENT NORTH, NM (1979)
OBTAINED FROM NEW MEXICO RESOURCE
GEOGRAPHIC INFORMATION SYSTEM PROGRAM
VIA THEIR WEBSITE: http://www.rgis.unm.edu

SITE LOCATION MAP

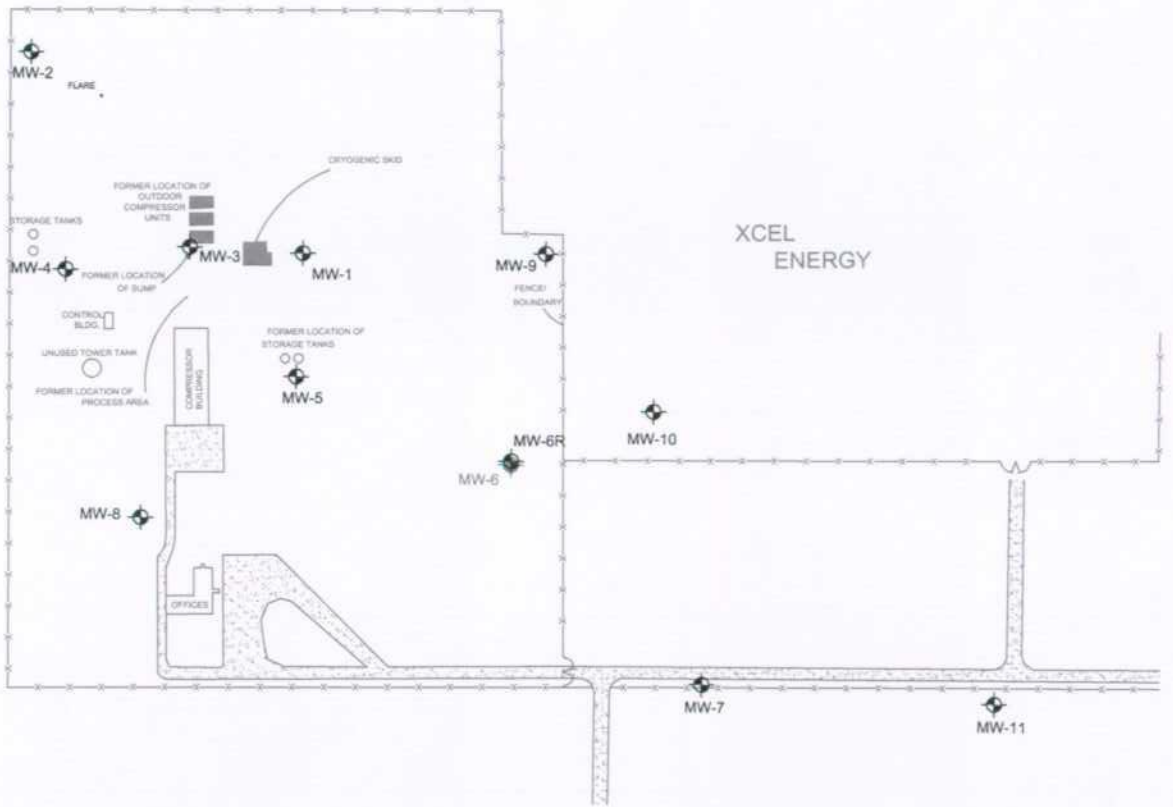
KINDER MORGAN

FORMER HOBBS GAS PLANT
LEA COUNTY, NEW MEXICO

PROJECT NO.: 40299 | DATE: 3/05

TRC
Environmental Corporation
Customer-Focused Solutions
2313 W SAM HOUSTON PARKWAY N.
SUITE 107
HOUSTON, TEXAS 77043
713-821-7000

FIGURE 1



LEGEND

MW-1 - MONITOR WELL LOCATION

MW-6 - PLUGGED MONITOR WELL LOCATION

SCALE IN FEET
1" = 200'-0"

SITE MAP

KINDER MORGAN

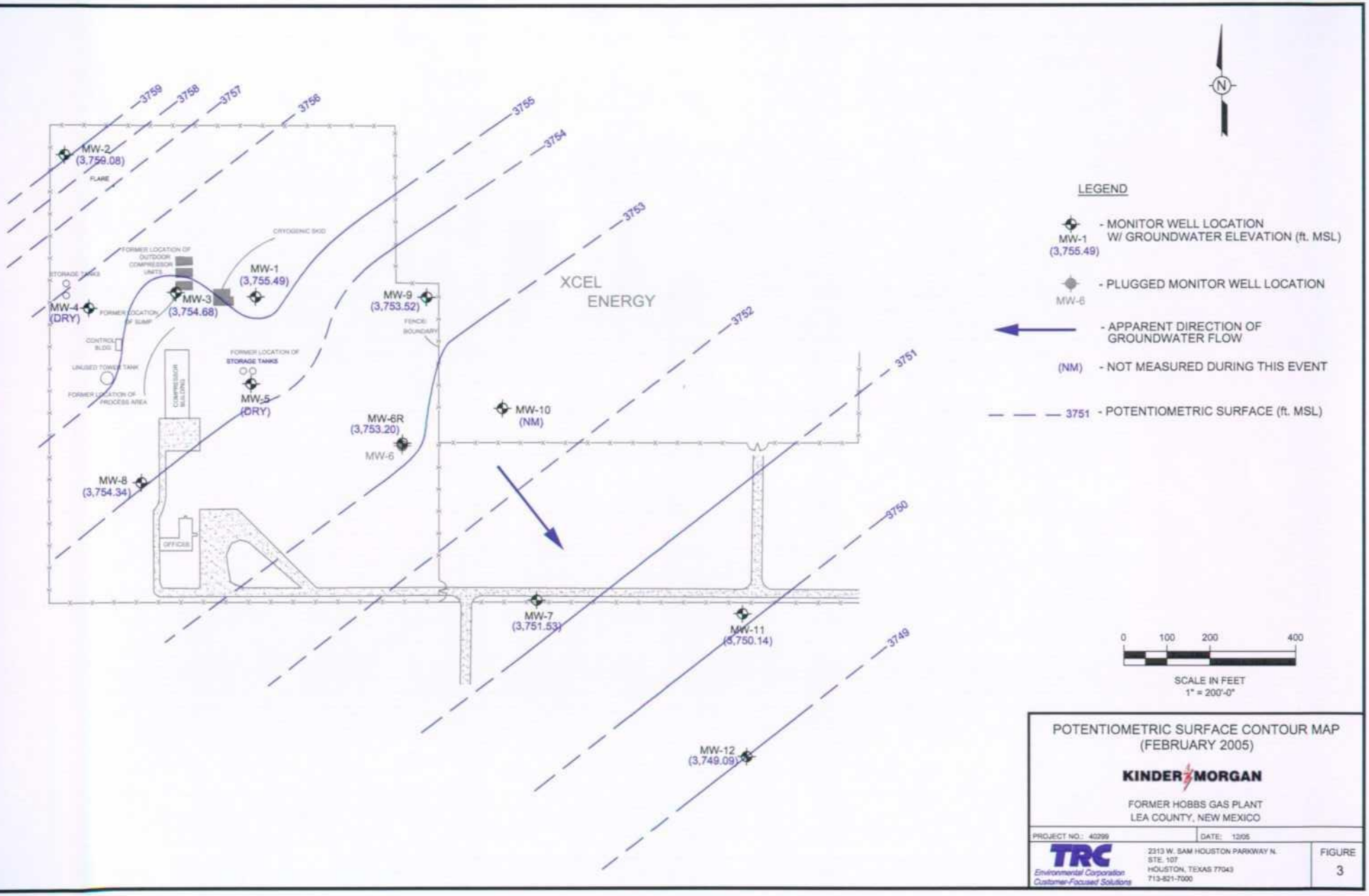
FORMER HOBBS GAS PLANT
LEA COUNTY, NEW MEXICO

PROJECT NO.: 40299 | DATE: 12/05

TRC Environmental Corporation
Customer-Focused Solutions

2313 W. SAM HOUSTON PARKWAY N.
STE. 107
HOUSTON, TEXAS 77043
713-621-7000

FIGURE 2



POTENTIOMETRIC SURFACE CONTOUR MAP
(FEBRUARY 2005)

KINDER MORGAN

FORMER HOBBS GAS PLANT
LEA COUNTY, NEW MEXICO

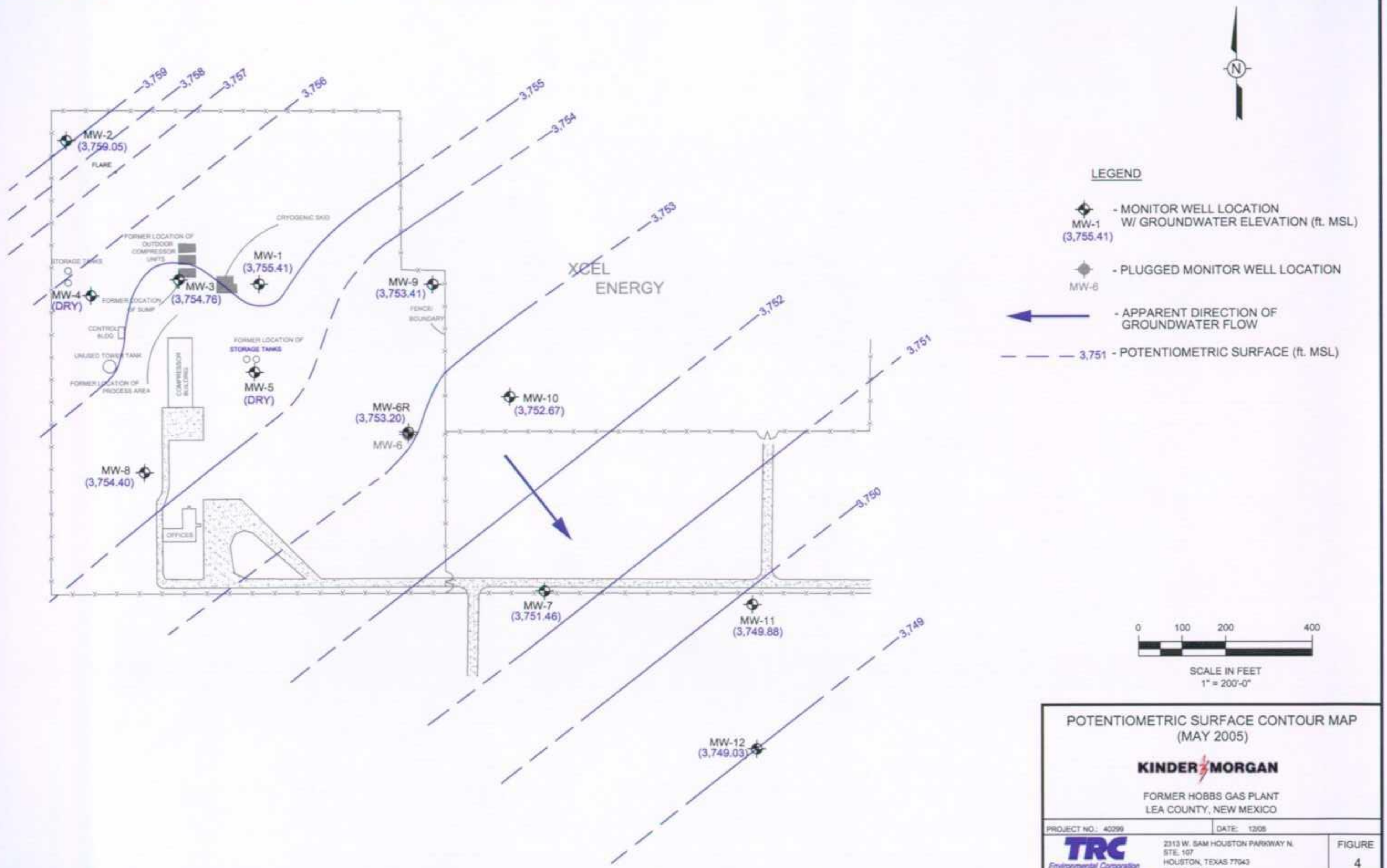
PROJECT NO.: 40299 | DATE: 12/05

TRC
Environmental Corporation
Customer-Focused Solutions

2313 W. SAM HOUSTON PARKWAY N.
STE. 107
HOUSTON, TEXAS 77043
713-821-7000

FIGURE
3

H:\DJ Jr\Kinder Morgan\West Texas-Sandhill Wards\6, Hobbs\Hobbs Gas Plant\Graphics\ KINDER MORGAN-HOBBS-FIG-3-POTENTIO.dwg, Layout1 12/21/05



POTENTIOMETRIC SURFACE CONTOUR MAP
(MAY 2005)

KINDER MORGAN

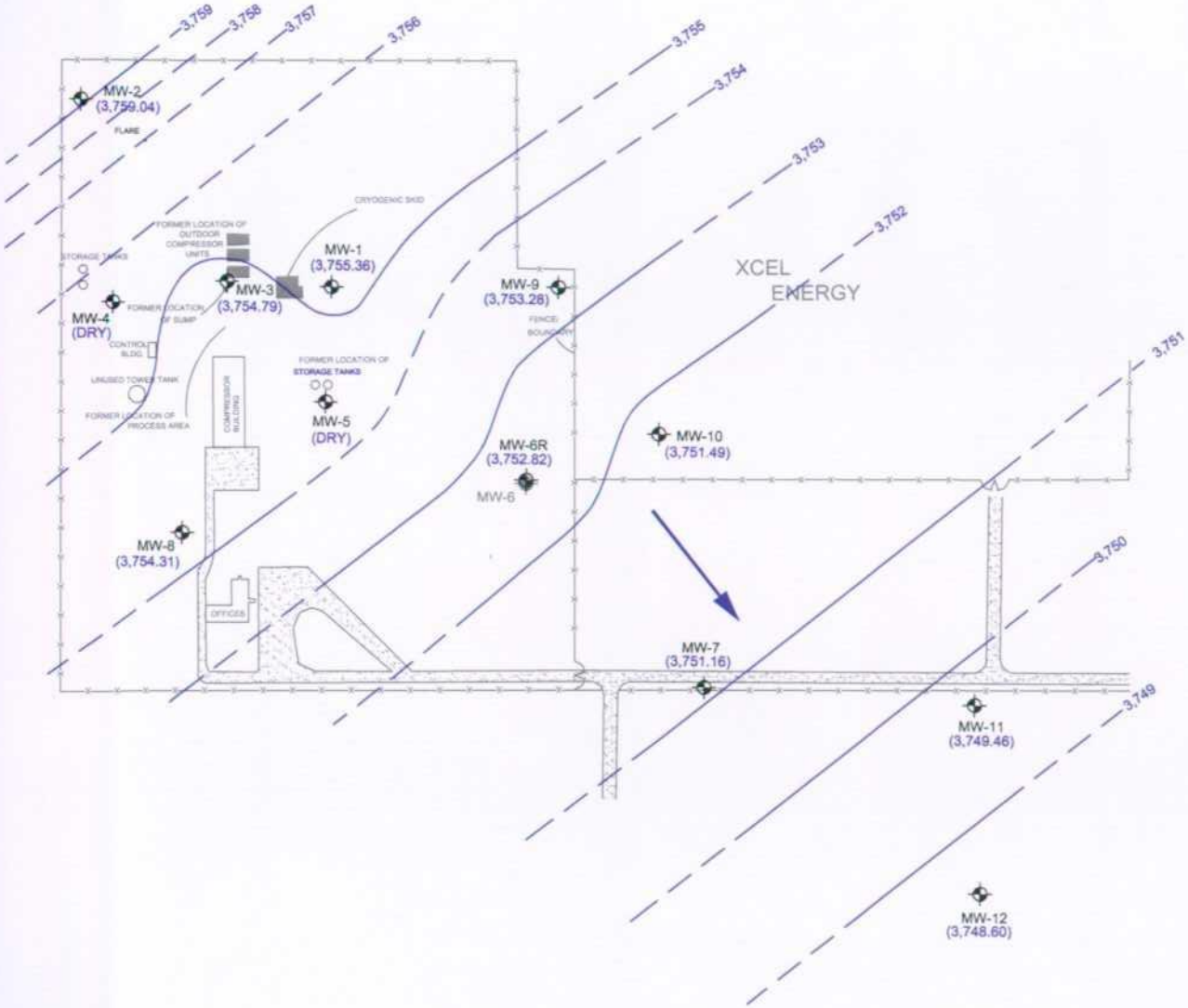
FORMER HOBBS GAS PLANT
LEA COUNTY, NEW MEXICO

PROJECT NO.: 40299 | DATE: 12/05

TRC Environmental Corporation Customer-Focused Solutions
2313 W. SAM HOUSTON PARKWAY N.
STE. 107
HOUSTON, TEXAS 77043
713-621-7000

FIGURE 4

HOU J:\Kinder Morgan\West Texas-Sandhill,Waddell, Hobbs\Hobbs Gas Plant\Graphics\ KINDER MORGAN-HOBBS-FIG-4-POTENTIO.dwg Layout1 12/21/05



LEGEND

MW-1 (3,755.36) - MONITOR WELL LOCATION W/ GROUNDWATER ELEVATION (ft. MSL)

MW-6 - PLUGGED MONITOR WELL LOCATION

- APPARENT DIRECTION OF GROUNDWATER FLOW

3,751 - POTENTIOMETRIC SURFACE (ft. MSL)

SCALE IN FEET
1" = 200'-0"

POTENTIOMETRIC SURFACE CONTOUR MAP
(NOVEMBER 2005)

KINDER MORGAN

FORMER HOBBS GAS PLANT
LEA COUNTY, NEW MEXICO

PROJECT NO.: 40299 | DATE: 12/05

TRC Environmental Corporation
Customer-Focused Solutions

2313 W. SAM HOUSTON PARKWAY N.
STE. 107
HOUSTON, TEXAS 77043
713-621-7000

FIGURE 5

H:\DJ_J\Kinder Morgan\West Texas-Sandhill\Waddell, Hobbs\Hobbs Gas Plant\Graphics\ KINDER MORGAN-HOBBS-FIG-5-POTENTIO.dwg Layout1 12/21/05

Appendix A

APPENDIX A

May 2005 Groundwater Analytical Data

Summary Report

Brett Neff
TRC
2313 W Sam Houston Parkway N.
Suite 107
Houston, TX 77043

Report Date: June 2, 2005

Work Order: 5052010

Project Name: Former Hobbs Plant
Project Number: 40299-0002-00002

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
63287	40299 MW-7	water	2005-05-18	08:55	2005-05-20
63288	40299 MW-11	water	2005-05-18	10:10	2005-05-20
63289	40299 MW-12	water	2005-05-18	11:00	2005-05-20
63290	40299 MW-99	water	2005-05-18	11:50	2005-05-20
63291	40299 MW-6R	water	2005-05-18	12:00	2005-05-20
63292	40299 MW-9	water	2005-05-18	13:00	2005-05-20
63293	40299 MW-3	water	2005-05-18	13:45	2005-05-20
63295	40299 MW-10	water	2005-05-18	15:20	2005-05-20
63296	Equip Blank	water	2005-05-18	13:05	2005-05-20
63297	Trip Blank	water	2005-05-18	00:00	2005-05-20

	BTEX				MTBE
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)
63287 - 40299 MW-7	<0.00100	<0.00100	<0.00100	<0.00100	
63288 - 40299 MW-11	<0.00100	<0.00100	<0.00100	<0.00100	
63289 - 40299 MW-12	<0.00100	<0.00100	<0.00100	<0.00100	
63290 - 40299 MW-99	<0.00100	<0.00100	<0.00100	<0.00100	
63291 - 40299 MW-6R	<0.00100	<0.00100	<0.00100	<0.00100	
63292 - 40299 MW-9	<0.00100	<0.00100	<0.00100	<0.00100	
63293 - 40299 MW-3	<0.00100	<0.00100	<0.00100	<0.00100	
63295 - 40299 MW-10	<0.00100	<0.00100	<0.00100	<0.00100	
63296 - Equip Blank	<0.00100	<0.00100	<0.00100	<0.00100	
63297 - Trip Blank	<0.00100	<0.00100	<0.00100	<0.00100	

Sample: 63287 - 40299 MW-7

Param	Flag	Result	Units	RL
Chloride		**39.6**	mg/L	0.500

Sample: 63288 - 40299 MW-11

continued ...

sample 63288 continued ...

Param	Flag	Result	Units	RL

Param	Flag	Result	Units	RL
Chloride		**62.8**	mg/L	0.500

Sample: 63289 - 40299 MW-12

Param	Flag	Result	Units	RL
Chloride		**36.0**	mg/L	0.500

Sample: 63290 - 40299 MW-99

Param	Flag	Result	Units	RL
Chloride		**42.4**	mg/L	0.500

Sample: 63291 - 40299 MW-6R

Param	Flag	Result	Units	RL
Chloride		**37.7**	mg/L	0.500

Sample: 63292 - 40299 MW-9

Param	Flag	Result	Units	RL
Chloride		**91.5**	mg/L	0.500

Sample: 63293 - 40299 MW-3

Param	Flag	Result	Units	RL
Chloride		**139**	mg/L	0.500

Sample: 63295 - 40299 MW-10

Param	Flag	Result	Units	RL
Chloride		**197**	mg/L	0.500

Analytical and Quality Control Report

Brett Neff
TRC
2313 W Sam Houston Parkway N.
Suite 107
Houston, TX 77043

Report Date: June 2, 2005

Work Order: 5052010

Project Name: Former Hobbs Plant
Project Number: 40299-0002-00002

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
63287	40299 MW-7	water	2005-05-18	08:55	2005-05-20
63288	40299 MW-11	water	2005-05-18	10:10	2005-05-20
63289	40299 MW-12	water	2005-05-18	11:00	2005-05-20
63290	40299 MW-99	water	2005-05-18	11:50	2005-05-20
63291	40299 MW-6R	water	2005-05-18	12:00	2005-05-20
63292	40299 MW-9	water	2005-05-18	13:00	2005-05-20
63293	40299 MW-3	water	2005-05-18	13:45	2005-05-20
63295	40299 MW-10	water	2005-05-18	15:20	2005-05-20
63296	Equip Blank	water	2005-05-18	13:05	2005-05-20
63297	Trip Blank	water	2005-05-18	00:00	2005-05-20

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Michael Abel

Dr. Blair Leftwich, Director

Analytical Report

Sample: 63287 - 40299 MW-7

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	18294	Date Analyzed:	2005-05-23	Analyzed By:	
Prep Batch:	16115	Sample Preparation:	2005-05-23	Prepared By:	

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.00100		mg/L	1	0.00100
Toluene		<0.00100		mg/L	1	0.00100
Ethylbenzene		<0.00100		mg/L	1	0.00100
Xylene		<0.00100		mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0896	mg/L	1	0.100	90	77.6 - 123
4-Bromofluorobenzene (4-BFB)		0.0882	mg/L	1	0.100	88	63 - 119

Sample: 63287 - 40299 MW-7

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	18401	Date Analyzed:	2005-05-24	Analyzed By:	WB
Prep Batch:	16199	Sample Preparation:	2005-05-24	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**39.6**		mg/L	5	0.500

Sample: 63288 - 40299 MW-11

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	18294	Date Analyzed:	2005-05-23	Analyzed By:	
Prep Batch:	16115	Sample Preparation:	2005-05-23	Prepared By:	

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.00100		mg/L	1	0.00100
Toluene		<0.00100		mg/L	1	0.00100
Ethylbenzene		<0.00100		mg/L	1	0.00100
Xylene		<0.00100		mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0853	mg/L	1	0.100	85	77.6 - 123
4-Bromofluorobenzene (4-BFB)		0.0848	mg/L	1	0.100	85	63 - 119

Sample: 63288 - 40299 MW-11

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	18401	Date Analyzed:	2005-05-24	Analyzed By:	WB
Prep Batch:	16199	Sample Preparation:	2005-05-24	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**62.8**		mg/L	10	0.500

Sample: 63289 - 40299 MW-12

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	18272	Date Analyzed:	2005-05-21	Analyzed By:	MT
Prep Batch:	16093	Sample Preparation:	2005-05-21	Prepared By:	MT

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.00100		mg/L	1	0.00100
Toluene		<0.00100		mg/L	1	0.00100
Ethylbenzene		<0.00100		mg/L	1	0.00100
Xylene		<0.00100		mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0945	mg/L	1	0.100	94	77.6 - 123
4-Bromofluorobenzene (4-BFB)		0.0921	mg/L	1	0.100	92	63 - 119

Sample: 63289 - 40299 MW-12

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	18401	Date Analyzed:	2005-05-24	Analyzed By:	WB
Prep Batch:	16199	Sample Preparation:	2005-05-24	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**36.0**		mg/L	5	0.500

Sample: 63290 - 40299 MW-99

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	18272	Date Analyzed:	2005-05-21	Analyzed By:	MT
Prep Batch:	16093	Sample Preparation:	2005-05-21	Prepared By:	MT

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.00100		mg/L	1	0.00100
Toluene		<0.00100		mg/L	1	0.00100
Ethylbenzene		<0.00100		mg/L	1	0.00100
Xylene		<0.00100		mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0956	mg/L	1	0.100	96	77.6 - 123
4-Bromofluorobenzene (4-BFB)		0.0924	mg/L	1	0.100	92	63 - 119

Sample: 63290 - 40299 MW-99

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	18401	Date Analyzed:	2005-05-24	Analyzed By:	WB
Prep Batch:	16199	Sample Preparation:	2005-05-24	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**42.4**	mg/L	5	0.500

Sample: 63291 - 40299 MW-6R

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	18272	Date Analyzed:	2005-05-21	Analyzed By:	MT
Prep Batch:	16093	Sample Preparation:	2005-05-21	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0953	mg/L	1	0.100	95	77.6 - 123
4-Bromofluorobenzene (4-BFB)		0.0932	mg/L	1	0.100	93	63 - 119

Sample: 63291 - 40299 MW-6R

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	18401	Date Analyzed:	2005-05-24	Analyzed By:	WB
Prep Batch:	16199	Sample Preparation:	2005-05-24	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**37.7**	mg/L	5	0.500

Sample: 63292 - 40299 MW-9

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	18272	Date Analyzed:	2005-05-21	Analyzed By:	MT
Prep Batch:	16093	Sample Preparation:	2005-05-21	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0926	mg/L	1	0.100	93	77.6 - 123
4-Bromofluorobenzene (4-BFB)		0.0901	mg/L	1	0.100	90	63 - 119

Sample: 63292 - 40299 MW-9

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	18401	Date Analyzed:	2005-05-24	Analyzed By:	WB
Prep Batch:	16199	Sample Preparation:	2005-05-24	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**91.5**	mg/L	10	0.500

Sample: 63293 - 40299 MW-3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	18272	Date Analyzed:	2005-05-21	Analyzed By:	MT
Prep Batch:	16093	Sample Preparation:	2005-05-21	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0933	mg/L	1	0.100	93	77.6 - 123
4-Bromofluorobenzene (4-BFB)		0.0904	mg/L	1	0.100	90	63 - 119

Sample: 63293 - 40299 MW-3

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	18401	Date Analyzed:	2005-05-24	Analyzed By:	WB
Prep Batch:	16199	Sample Preparation:	2005-05-24	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**139**	mg/L	50	0.500

Sample: 63295 - 40299 MW-10

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	18272	Date Analyzed:	2005-05-21	Analyzed By:	MT
Prep Batch:	16093	Sample Preparation:	2005-05-21	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0945	mg/L	1	0.100	94	77.6 - 123
4-Bromofluorobenzene (4-BFB)		0.0922	mg/L	1	0.100	92	63 - 119

Sample: 63295 - 40299 MW-10

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	18401	Date Analyzed:	2005-05-24	Analyzed By:	WB
Prep Batch:	16199	Sample Preparation:	2005-05-24	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**197**	mg/L	50	0.500

Sample: 63296 - Equip Blank

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	18272	Date Analyzed:	2005-05-21	Analyzed By:	MT
Prep Batch:	16093	Sample Preparation:	2005-05-21	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0902	mg/L	1	0.100	90	77.6 - 123
4-Bromofluorobenzene (4-BFB)		0.0879	mg/L	1	0.100	88	63 - 119

Sample: 63297 - Trip Blank

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	18302	Date Analyzed:	2005-05-23	Analyzed By:	
Prep Batch:	16119	Sample Preparation:	2005-05-23	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0902	mg/L	1	0.100	90	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.0564	mg/L	1	0.100	56	52.4 - 119

Method Blank (1) QC Batch: 18272

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000338	mg/L	0.001
Toluene		<0.000299	mg/L	0.001
Ethylbenzene		<0.000469	mg/L	0.001
Xylene		<0.000787	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0933	mg/L	1	0.100	93	75.8 - 126
4-Bromofluorobenzene (4-BFB)		0.0893	mg/L	1	0.100	89	51.4 - 119

Method Blank (1) QC Batch: 18294

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000338	mg/L	0.001
Toluene		<0.000299	mg/L	0.001
Ethylbenzene		<0.000469	mg/L	0.001
Xylene		<0.000787	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0941	mg/L	1	0.100	94	75.8 - 126
4-Bromofluorobenzene (4-BFB)		0.0901	mg/L	1	0.100	90	51.4 - 119

Method Blank (1) QC Batch: 18302

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000136	mg/L	0.001
Toluene		<0.000247	mg/L	0.001
Ethylbenzene		<0.000552	mg/L	0.001
Xylene		<0.00156	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0881	mg/L	1	0.100	88	73.8 - 121
4-Bromofluorobenzene (4-BFB)	[1]	0.0524	mg/L	1	0.100	52	52.4 - 113

Method Blank (1) QC Batch: 18401

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0504	mg/L	0.5

Laboratory Control Spike (LCS-1) QC Batch: 18272

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0978	0.0990	mg/L	1	0.100	<0.000338	98	1	79.2 - 122	8.8
Toluene	0.0975	0.0978	mg/L	1	0.100	<0.000299	98	0	76.2 - 116	9.4
Ethylbenzene	0.0970	0.0980	mg/L	1	0.100	<0.000469	97	1	73.2 - 116	8.5
Xylene	0.288	0.292	mg/L	1	0.300	<0.000787	96	1	72.5 - 116	8.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0922	0.0940	mg/L	1	0.100	92	94	77.6 - 123
4-Bromofluorobenzene (4-BFB)	0.0912	0.0921	mg/L	1	0.100	91	92	63 - 119

Laboratory Control Spike (LCS-1) QC Batch: 18294

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0930	0.0931	mg/L	1	0.100	<0.000338	93	0	79.2 - 122	8.8
Toluene	0.0916	0.0921	mg/L	1	0.100	<0.000299	92	0	76.2 - 116	9.4
Ethylbenzene	0.0914	0.0921	mg/L	1	0.100	<0.000469	91	1	73.2 - 116	8.5
Xylene	0.272	0.274	mg/L	1	0.300	<0.000787	91	1	72.5 - 116	8.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0914	0.0929	mg/L	1	0.100	91	93	77.6 - 123
4-Bromofluorobenzene (4-BFB)	0.0894	0.0895	mg/L	1	0.100	89	90	63 - 119

Laboratory Control Spike (LCS-1) QC Batch: 18302

[1]BFB surrogate recovery outside normal limits. TFT surrogate recovery and the ICV/CCV show the method to be in control.

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0955	0.0961	mg/L	1	0.100	<0.000136	96	1	72.8 - 113	20
Toluene	0.0965	0.0983	mg/L	1	0.100	<0.000247	96	2	75.2 - 112	20
Ethylbenzene	0.0974	0.0991	mg/L	1	0.100	<0.000550	97	2	81 - 112	20
Xylene	0.296	0.302	mg/L	1	0.300	<0.00156	99	2	82.9 - 119	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0933	0.0928	mg/L	1	0.100	93	93	72.9 - 121
4-Bromofluorobenzene (4-BFB)	0.0958	0.0975	mg/L	1	0.100	96	98	77.8 - 119

Laboratory Control Spike (LCS-1) QC Batch: 18401

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	11.3	11.3	mg/L	1	12.5	<0.0504	90	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 18401 Spiked Sample: 63295

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	738	744	mg/L	50	12.5	197	86	1	70.7 - 124	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1) QC Batch: 18272

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0969	97	85 - 115	2005-05-21
Toluene		mg/L	0.100	0.0961	96	85 - 115	2005-05-21
Ethylbenzene		mg/L	0.100	0.0961	96	85 - 115	2005-05-21
Xylene		mg/L	0.300	0.286	95	85 - 115	2005-05-21

Standard (CCV-1) QC Batch: 18272

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0962	96	85 - 115	2005-05-21
Toluene		mg/L	0.100	0.0952	95	85 - 115	2005-05-21
Ethylbenzene		mg/L	0.100	0.0947	95	85 - 115	2005-05-21
Xylene		mg/L	0.300	0.282	94	85 - 115	2005-05-21

Standard (CCV-1) QC Batch: 18294

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0909	91	85 - 115	2005-05-23
Toluene		mg/L	0.100	0.0904	90	85 - 115	2005-05-23
Ethylbenzene		mg/L	0.100	0.0897	90	85 - 115	2005-05-23
Xylene		mg/L	0.300	0.266	89	85 - 115	2005-05-23

Standard (CCV-2) QC Batch: 18294

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0924	92	85 - 115	2005-05-23
Toluene		mg/L	0.100	0.0909	91	85 - 115	2005-05-23
Ethylbenzene		mg/L	0.100	0.0907	91	85 - 115	2005-05-23
Xylene		mg/L	0.300	0.269	90	85 - 115	2005-05-23

Standard (ICV-1) QC Batch: 18302

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0987	99	85 - 115	2005-05-23
Toluene		mg/L	0.100	0.0994	99	85 - 115	2005-05-23
Ethylbenzene		mg/L	0.100	0.101	101	85 - 115	2005-05-23
Xylene		mg/L	0.300	0.306	102	85 - 115	2005-05-23

Standard (CCV-1) QC Batch: 18302

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0979	98	85 - 115	2005-05-23
Toluene		mg/L	0.100	0.0995	100	85 - 115	2005-05-23
Ethylbenzene		mg/L	0.100	0.100	100	85 - 115	2005-05-23
Xylene		mg/L	0.300	0.306	102	85 - 115	2005-05-23

Standard (ICV-1) QC Batch: 18401

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.5	100	90 - 110	2005-05-24

Standard (CCV-1) QC Batch: 18401

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.4	91	90 - 110	2005-05-24

Report Date: June 2, 2005
40299-0002-00002

Work Order: 5052010
Former Hobbs Plant

Page Number: 12 of 12

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TraceAnalysis, Inc.

155 McCutcheon,Suite H
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Tel (915) 585-3443
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1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 5052010

Company Name: TRC Corp — Phone #:

Address: (Street, City, Zip) 9313 San Houston Pkwy N. SUITE 107, Houston TX 77048 — Fax #: — e-mail:

Contact Person: Brent Neff

Invoice to: (If different from above) J. Green @ Kinder Morgan

Project #: 40299-0002-00002 — Project Name: Former Hobbs Plant

Project Location: — Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
73287	40299 MW7	3		X									X	5-18-05	0855
88	40299 MW11	3		X									X	5-18-05	1010
89	40299 MW12	3		X									X	5-18-05	1100
90	40299 MW09	3		X									X	5-18-05	1150
91	40299 MW6R	3		X									X	5-18-05	1200
92	40299 MW9	3		X									X	5-18-05	1310
93	40299 MW3	3		X									X	5-18-05	1345
94	40299 MW8	3		X									X	5-18-05	1430
95	40299 MW10	3		X									X	5-18-05	1520
96	EQPT. blank	2		X									X	5-18-05	1305
97	TRIP Blank	2		X									X	5-18-05	

ANALYSIS REQUEST (Circle or Specify Method No.)	
MTBE 8021B/602	
BTEX 8021B/602	X
TPH 418.1/TX1005	
TX 1005 Extended (C35)	
PAH 8270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
TCLP Pesticides	
RCI	
GC/MS Vol 8260B/624	
GC/MS Semi Vol 8270C/625	
PCB's 8082/608	
Pesticides 8081A/608	
BOD TSS pH	
Moisture Content	
TOTAL CHLORIDES	X X X X X X X X X X
Turn Around Time if different from standard	
Hold	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	5-19-05	1200			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by: [signature]	5/20/05	9:30

LAB USE ONLY

Intact Y / N

Headspace Y (N)

Temp 3° C

Log-in Review [signature]

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Appendix B

APPENDIX B

November 2005 Groundwater Analytical Data

Summary Report

Brett Neff
TRC
2313 W Sam Houston Parkway N.
Suite 107
Houston, TX 77043

Report Date: November 22, 2005

Work Order: 5111718

Project Location: Hobbs,NM
Project Name: Hobbs Gas Plant
Project Number: 40299-0002-00004

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
78335	MW-12	water	2005-11-15	08:50	2005-11-17
78336	MW-11	water	2005-11-15	09:50	2005-11-17
78337	MW-7	water	2005-11-15	10:50	2005-11-17
78338	Eqpt Blank	water	2005-11-15	11:00	2005-11-17
78339	MW-10	water	2005-11-15	12:00	2005-11-17
78340	MW-3	water	2005-11-15	12:30	2005-11-17
78342	MW-6R	water	2005-11-15	14:10	2005-11-17
78343	MW-9	water	2005-11-15	14:45	2005-11-17
78344	Trip Blank	water	2005-11-15	00:00	2005-11-17
78345	MW-99	water	2005-11-15	14:30	2005-11-17

	BTEX				MTBE
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)
78335 - MW-12	<0.00100	<0.00100	<0.00100	<0.00100	
78336 - MW-11	<0.00100	<0.00100	<0.00100	<0.00100	
78337 - MW-7	<0.00100	<0.00100	<0.00100	<0.00100	
78338 - Eqpt Blank	<0.00500	<0.00500	<0.00500	<0.00500	
78339 - MW-10	<0.00100	<0.00100	<0.00100	<0.00100	
78340 - MW-3	<0.00100	<0.00100	<0.00100	<0.00100	
78342 - MW-6R	<0.00100	<0.00100	<0.00100	<0.00100	
78343 - MW-9	<0.00100	<0.00100	<0.00100	<0.00100	
78344 - Trip Blank	<0.00100	<0.00100	<0.00100	<0.00100	
78345 - MW-99	<0.00100	<0.00100	<0.00100	<0.00100	

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
155 McCutcheon, Suite H El Paso, Texas 79932 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Brett Neff
TRC
2313 W Sam Houston Parkway N.
Suite 107
Houston, TX 77043

Report Date: November 22, 2005

Work Order: 5111718

Project Location: Hobbs,NM
Project Name: Hobbs Gas Plant
Project Number: 40299-0002-00004

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
78335	MW-12	water	2005-11-15	08:50	2005-11-17
78336	MW-11	water	2005-11-15	09:50	2005-11-17
78337	MW-7	water	2005-11-15	10:50	2005-11-17
78338	Eqpt Blank	water	2005-11-15	11:00	2005-11-17
78339	MW-10	water	2005-11-15	12:00	2005-11-17
78340	MW-3	water	2005-11-15	12:30	2005-11-17
78342	MW-6R	water	2005-11-15	14:10	2005-11-17
78343	MW-9	water	2005-11-15	14:45	2005-11-17
78344	Trip Blank	water	2005-11-15	00:00	2005-11-17
78345	MW-99	water	2005-11-15	14:30	2005-11-17

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 78335 - MW-12

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	22877	Date Analyzed:	2005-11-18	Analyzed By:	KB
Prep Batch:	20070	Sample Preparation:	2005-11-18	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0881	mg/L	1	0.100	88	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.0879	mg/L	1	0.100	88	17.1 - 138

Sample: 78336 - MW-11

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	22877	Date Analyzed:	2005-11-18	Analyzed By:	KB
Prep Batch:	20070	Sample Preparation:	2005-11-18	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0890	mg/L	1	0.100	89	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.0880	mg/L	1	0.100	88	17.1 - 138

Sample: 78337 - MW-7

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	22877	Date Analyzed:	2005-11-18	Analyzed By:	KB
Prep Batch:	20070	Sample Preparation:	2005-11-18	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0890	mg/L	1	0.100	89	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.0878	mg/L	1	0.100	88	17.1 - 138

Sample: 78338 - Eqpt Blank

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	22929	Date Analyzed:	2005-11-21	Analyzed By:	MT
Prep Batch:	20113	Sample Preparation:	2005-11-21	Prepared By:	MT

Parameter	Flag	Result	RL Units	Dilution	RL
Benzene		<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.470	mg/L	5	0.100	94	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.473	mg/L	5	0.100	94	17.1 - 138

Sample: 78339 - MW-10

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	22877	Date Analyzed:	2005-11-18	Analyzed By:	KB
Prep Batch:	20070	Sample Preparation:	2005-11-18	Prepared By:	KB

Parameter	Flag	Result	RL Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0891	mg/L	1	0.100	89	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.0883	mg/L	1	0.100	88	17.1 - 138

Sample: 78340 - MW-3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	22877	Date Analyzed:	2005-11-18	Analyzed By:	KB
Prep Batch:	20070	Sample Preparation:	2005-11-18	Prepared By:	KB

Parameter	Flag	Result	RL Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

continued...

sample 78340 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0895	mg/L	1	0.100	90	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.0875	mg/L	1	0.100	88	17.1 - 138

Sample: 78342 - MW-6R

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	22877	Date Analyzed:	2005-11-18	Analyzed By:	KB
Prep Batch:	20070	Sample Preparation:	2005-11-18	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0902	mg/L	1	0.100	90	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.0897	mg/L	1	0.100	90	17.1 - 138

Sample: 78343 - MW-9

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	22877	Date Analyzed:	2005-11-18	Analyzed By:	KB
Prep Batch:	20070	Sample Preparation:	2005-11-18	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0892	mg/L	1	0.100	89	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.0887	mg/L	1	0.100	89	17.1 - 138

Sample: 78344 - Trip Blank

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	22929	Date Analyzed:	2005-11-21	Analyzed By:	MT
Prep Batch:	20113	Sample Preparation:	2005-11-21	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0980	mg/L	1	0.100	98	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.0983	mg/L	1	0.100	98	17.1 - 138

Sample: 78345 - MW-99

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	22877	Date Analyzed:	2005-11-18	Analyzed By:	KB
Prep Batch:	20070	Sample Preparation:	2005-11-18	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0910	mg/L	1	0.100	91	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.0875	mg/L	1	0.100	88	17.1 - 138

Method Blank (1) QC Batch: 22877

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000650	mg/L	0.001
Toluene		<0.00101	mg/L	0.001
Ethylbenzene		<0.000840	mg/L	0.001
Xylene		<0.000737	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0893	mg/L	1	0.100	89	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.0884	mg/L	1	0.100	88	17.1 - 138

Method Blank (1) QC Batch: 22929

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000650	mg/L	0.001
Toluene		<0.00101	mg/L	0.001
Ethylbenzene		<0.000840	mg/L	0.001
Xylene		<0.000737	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.102	mg/L	1	0.100	102	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.105	mg/L	1	0.100	105	17.1 - 138

Laboratory Control Spike (LCS-1) QC Batch: 22877

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0957	0.0950	mg/L	1	0.100	<0.000650	96	1	81.9 - 114	20
Toluene	0.0947	0.0956	mg/L	1	0.100	<0.00101	95	1	82.8 - 112	20
Ethylbenzene	0.0956	0.0965	mg/L	1	0.100	<0.000840	96	1	82.2 - 111	20
Xylene	0.294	0.296	mg/L	1	0.300	<0.000737	98	1	83.5 - 112	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0957	0.0940	mg/L	1	0.100	96	94	48.4 - 119
4-Bromofluorobenzene (4-BFB)	0.0987	0.0971	mg/L	1	0.100	99	97	17.1 - 138

Laboratory Control Spike (LCS-1) QC Batch: 22929

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.110	0.107	mg/L	1	0.100	<0.000650	110	2	81.9 - 114	20
Toluene	0.110	0.108	mg/L	1	0.100	<0.00101	110	2	82.8 - 112	20
Ethylbenzene	0.111	0.110	mg/L	1	0.100	<0.000840	111	0	82.2 - 111	20
Xylene [1]	0.341	0.337	mg/L	1	0.300	<0.000737	114	1	83.5 - 112	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.109	0.106	mg/L	1	0.100	109	106	48.4 - 119
4-Bromofluorobenzene (4-BFB)	0.116	0.115	mg/L	1	0.100	116	115	17.1 - 138

Matrix Spike (MS-1) QC Batch: 22877 Spiked Sample: 78302

[1] Xylene outside normal range. LCSD and the RPD show the method is in control.

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	[2]	0.0911	NA	mg/L	1	0.100	<0.000650	91	200	81.9 - 114	20
Toluene	[3]	0.0895	NA	mg/L	1	0.100	<0.00101	90	200	82.8 - 112	20
Ethylbenzene	[4]	0.0922	NA	mg/L	1	0.100	<0.000840	92	200	82.2 - 111	20
Xylene	[5]	0.282	NA	mg/L	1	0.300	<0.000737	94	200	83.5 - 112	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	[6]	0.0955	NA	mg/L	1	0.1	96	0	48.4 - 119
4-Bromofluorobenzene (4-BFB)	[7]	0.102	NA	mg/L	1	0.1	102	0	17.1 - 138

Standard (ICV-1) QC Batch: 22877

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0930	93	85 - 115	2005-11-18
Toluene		mg/L	0.100	0.0928	93	85 - 115	2005-11-18
Ethylbenzene		mg/L	0.100	0.0949	95	85 - 115	2005-11-18
Xylene		mg/L	0.300	0.291	97	85 - 115	2005-11-18

Standard (CCV-1) QC Batch: 22877

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0939	94	85 - 115	2005-11-18
Toluene		mg/L	0.100	0.0933	93	85 - 115	2005-11-18
Ethylbenzene		mg/L	0.100	0.0948	95	85 - 115	2005-11-18
Xylene		mg/L	0.300	0.289	96	85 - 115	2005-11-18

Standard (ICV-1) QC Batch: 22929

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.109	109	85 - 115	2005-11-21
Toluene		mg/L	0.100	0.109	109	85 - 115	2005-11-21
Ethylbenzene		mg/L	0.100	0.111	111	85 - 115	2005-11-21
Xylene		mg/L	0.300	0.340	113	85 - 115	2005-11-21

Standard (CCV-1) QC Batch: 22929

[2]RPD is out of range because a matrix spike duplicate was not prepared.
[3]RPD is out of range because a matrix spike duplicate was not prepared.
[4]RPD is out of range because a matrix spike duplicate was not prepared.
[5]RPD is out of range because a matrix spike duplicate was not prepared.
[6]RPD is out of range because a matrix spike duplicate was not prepared.
[7]RPD is out of range because a matrix spike duplicate was not prepared.

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Page 1 of 1

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TraceAnalysis, Inc.

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Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 5111718

Company Name: TRC ENVIRONMental
Phone #: (713) 821-6087
Address: (Street, City, Zip) 2313 W. SAM Houston Pkwy. N 107, Houston TX 77043
Fax #:
Contact Person: Bret Neff
Invoice to: (If different from above) J. Green @ Kinder Morgan
Project #: 40299
Project Name: Hobbs GP
Project Location: Hobb, NM
Sampler Signature: [signature]

ANALYSIS REQUEST (Circle or Specify Method No.): MTBE 8021B/602; BTEX 8021B/602; TPH 418.1/TX1005; PAH 8270C; Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7; TCLP Metals Ag As Ba Cd Cr Pb Se Hg; TCLP Volatiles; TCLP Semi Volatiles; TCLP Pesticides; RCI; GC/MS Vol. 8260B/624; GC/MS Semi. Vol. 8270C/625; PCB's 8082/608; Pesticides 8081A/608; BOD, TSS, pH; ~~Total Chloride~~ (struck); Turn Around Time if different from standard; Hold

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	WATER	SOIL	AIR	SLUDGE	HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	DATE	TIME	MTBE 8021B/602	BTEX 8021B/602	~~Total Chloride~~
78335	MW 12	3	40ml / 250ml	X						X			X	11-15-05	0830		X	~~X~~
36	MW 11	3	40ml / 250ml	X						X			X	11-15-05	0930		X	~~X~~
37	MW 7	3	40ml / 250	X						X			X	11-15-05	1030		X	~~X~~
38	Eqpt blank	2	40ml	X									X	11-15-05	1100		X	~~X~~
39	MW 10	3	40ml / 250ml	X						X			X	11-15-05	1200		X	~~X~~
40	MW 3	3	40ml / 250ml	X						X			X	11-15-05	1230		X	~~X~~
41	MW 8	3	40ml / 250ml	X						X			X	11-15-05	1330		X	~~X~~
42	MW 6R	3	40ml / 250ml	X						X			X	11-15-05	1410		X	~~X~~
43	MW 9	3	40ml / 250ml	X						X			X	11-15-05	1445		X	~~X~~
44	Trip blank	2	40ml	X				X						11-15-05	NA		X	~~X~~
45	MW 99	3	40ml / 250ml	X						X			X	11-15-05	1430		X	~~X~~

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	11-16-05	1800	Helen Shelton	11/16/05	1800
Helen Shelton	11/16/05	1930			
Relinquished by:	Date:	Time:	Received at Laboratory by: Megan McLeod	11-17-05	1000

LAB USE ONLY
Intact Y / N
Headspace Y / N
Temp 4°
Log-in Review MA

REMARKS:
DO NOT ANALYZE TOTAL CHLORIDE

☐ Check If Special Reporting Limits Are Needed

Carrier # : Lone Star D1577809

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C. 21-HS

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TraceAnalysis, Inc.

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 511718

Company Name: TRC ENVIRONMental
Phone #: (713) 821-6087
Address: (Street, City, Zip) 2313 W. SAM Houston Pkwy. N 107, Houston TX 77043
Fax #:
Contact Person: Bret Neff
Invoice to: (If different from above) D. Green @ Kinder Morgan
Project #: 40299
Project Name: Hobbs GP
Project Location: Hobb, NM
Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
78335	MW 12	3	40ml 250ml	X						X			X	11-15-05	0855
36	MW 11	3	40ml 250ml	X						X			X	11-15-05	0950
37	MW 7	3	40ml 250	X						X			X	11-15-05	1050
38	Eqpt blank	2	40ml	X									X	11-15-05	1100
39	MW 10	3	40ml 250ml	X						X			X	11-15-05	1200
40	MW 3	3	40ml 250ml	X						X			X	11-15-05	1230
41	MW 8	3	40ml 250ml	X						X			X	11-15-05	1330
42	MW 6R	3	40ml 250ml	X						X			X	11-15-05	1410
43	MW 9	3	40ml 250ml	X						X			X	11-15-05	1445
44	Trip blank	2	40ml	X				X						11-15-05	NA
45	MW 99	3	40ml 250ml	X						X			X	11-15-05	1430

ANALYSIS REQUEST
(Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Filter Chlorides
	X														X
	X														X
	X														X
	X														
	X														X
	X														X
	X														X
	X														X
	X														X
	X														
	X														X

Turn Around Time if different from standard
Hold

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Bruno Aja	11-16-05	1800	Helen Shelton	11/16/05	1800
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Helen Shelton	11/16/05	1930			
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
			Megan McLord	11-17-05	1000

LAB USE ONLY
Intact Y N
Headspace Y N
Temp 4°
Log-in Review MA

REMARKS: Do not report BTEX on MW-8 78341 per Brett 11-22
DO NOT ANALYZE TOTAL CHLORIDE
11/22/05 F.P.E

☐ Check If Special Reporting Limits Are Needed

Carrier # Jone Alex P1577809

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.
ORIGINAL COPY

31-HS

Summary Report

Brett Neff
TRC
2313 W Sam Houston Parkway N.
Suite 107
Houston, TX 77043

Report Date: November 30, 2005

Work Order: 5112116

Project Location: Hobbs,NM
Project Name: Hobbs Gas Plant
Project Number: 40299-0002-00004

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
78665	MW-6R	water	2005-11-18	08:00	2005-11-19
78666	MW-9	water	2005-11-18	08:05	2005-11-19
78667	MW-3	water	2005-11-18	08:30	2005-11-19
78669	MW-7	water	2005-11-18	09:00	2005-11-19
78670	MW-12	water	2005-11-18	09:15	2005-11-19
78671	MW-11	water	2005-11-18	09:30	2005-11-19
78672	MW-10	water	2005-11-18	09:45	2005-11-19
78673	MW-99	water	2005-11-18	10:00	2005-11-19
78674	Trip Blank	water	2005-11-18	00:00	2005-11-19

	BTEX				MTBE
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)
78674 - Trip Blank	<0.00100	<0.00100	<0.00100	<0.00100	

Sample: 78665 - MW-6R

Param	Flag	Result	Units	RL
Chloride		**41.4**	mg/L	0.500

Sample: 78666 - MW-9

Param	Flag	Result	Units	RL
Chloride		**144**	mg/L	0.500

Sample: 78667 - MW-3

Param	Flag	Result	Units	RL
Chloride		**48.9**	mg/L	0.500

Sample: 78669 - MW-7

Param	Flag	Result	Units	RL
Chloride		**47.4**	mg/L	0.500

Sample: 78670 - MW-12

Param	Flag	Result	Units	RL
Chloride		**36.4**	mg/L	0.500

Sample: 78671 - MW-11

Param	Flag	Result	Units	RL
Chloride		**68.8**	mg/L	0.500

Sample: 78672 - MW-10

Param	Flag	Result	Units	RL
Chloride		**183**	mg/L	0.500

Sample: 78673 - MW-99

Param	Flag	Result	Units	RL
Chloride		**140**	mg/L	0.500

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
155 McCutcheon, Suite H El Paso, Texas 79932 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Brett Neff
TRC
2313 W Sam Houston Parkway N.
Suite 107
Houston, TX 77043

Report Date: November 30, 2005

Work Order: 5112116

Project Location: Hobbs,NM
Project Name: Hobbs Gas Plant
Project Number: 40299-0002-00004

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
78665	MW-6R	water	2005-11-18	08:00	2005-11-19
78666	MW-9	water	2005-11-18	08:05	2005-11-19
78667	MW-3	water	2005-11-18	08:30	2005-11-19
78669	MW-7	water	2005-11-18	09:00	2005-11-19
78670	MW-12	water	2005-11-18	09:15	2005-11-19
78671	MW-11	water	2005-11-18	09:30	2005-11-19
78672	MW-10	water	2005-11-18	09:45	2005-11-19
78673	MW-99	water	2005-11-18	10:00	2005-11-19
78674	Trip Blank	water	2005-11-18	00:00	2005-11-19

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 78665 - MW-6R

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	23029	Date Analyzed:	2005-11-21	Analyzed By:	WB
Prep Batch:	20155	Sample Preparation:	2005-11-21	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**41.4**	mg/L	5	0.500

Sample: 78666 - MW-9

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	23029	Date Analyzed:	2005-11-21	Analyzed By:	WB
Prep Batch:	20155	Sample Preparation:	2005-11-21	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**144**	mg/L	10	0.500

Sample: 78667 - MW-3

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	23029	Date Analyzed:	2005-11-21	Analyzed By:	WB
Prep Batch:	20155	Sample Preparation:	2005-11-21	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**48.9**	mg/L	10	0.500

Sample: 78669 - MW-7

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	23029	Date Analyzed:	2005-11-21	Analyzed By:	WB
Prep Batch:	20155	Sample Preparation:	2005-11-21	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**47.4**	mg/L	5	0.500

Sample: 78670 - MW-12

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	23029	Date Analyzed:	2005-11-21	Analyzed By:	WB
Prep Batch:	20155	Sample Preparation:	2005-11-21	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**36.4**	mg/L	5	0.500

Sample: 78671 - MW-11

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	23029	Date Analyzed:	2005-11-21	Analyzed By:	WB
Prep Batch:	20155	Sample Preparation:	2005-11-21	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**68.8**	mg/L	10	0.500

Sample: 78672 - MW-10

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	23031	Date Analyzed:	2005-11-22	Analyzed By:	WB
Prep Batch:	20204	Sample Preparation:	2005-11-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**183**	mg/L	50	0.500

Sample: 78673 - MW-99

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	23031	Date Analyzed:	2005-11-22	Analyzed By:	WB
Prep Batch:	20204	Sample Preparation:	2005-11-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**140**	mg/L	10	0.500

Sample: 78674 - Trip Blank

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	22954	Date Analyzed:	2005-11-21	Analyzed By:	KB
Prep Batch:	20112	Sample Preparation:	2005-11-21	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.116	mg/L	1	0.100	116	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0992	mg/L	1	0.100	99	46.4 - 136.5

Method Blank (1) QC Batch: 22954

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000136	mg/L	0.001
Toluene		0.000500	mg/L	0.001
Ethylbenzene		<0.000552	mg/L	0.001
Xylene		<0.00156	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.116	mg/L	1	0.100	116	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.0995	mg/L	1	0.100	100	52.4 - 113

Method Blank (1) QC Batch: 23029

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0504	mg/L	0.5

Method Blank (1) QC Batch: 23031

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0504	mg/L	0.5

Laboratory Control Spike (LCS-1) QC Batch: 22954

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.100	0.101	mg/L	1	0.100	<0.000136	100	1	85.2 - 109	20
Toluene	0.102	0.103	mg/L	1	0.100	<0.000247	102	1	80.8 - 107.3	20
Ethylbenzene	0.103	0.104	mg/L	1	0.100	<0.000550	103	1	86.4 - 115.3	20
Xylene	0.302	0.306	mg/L	1	0.300	<0.00156	101	1	95.2 - 122.3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.118	0.117	mg/L	1	0.100	118	117	72.9 - 121
4-Bromofluorobenzene (4-BFB)	0.109	0.108	mg/L	1	0.100	109	108	77.8 - 119

Laboratory Control Spike (LCS-1) QC Batch: 23029

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	12.2	12.2	mg/L	1	12.5	<0.0504	98	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 23031

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	12.4	12.7	mg/L	1	12.5	<0.0504	99	2	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 22954 Spiked Sample: 78626

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	[1]	0.100	NA	mg/L	1	0.100	<0.000136	100	200	72.8 - 130	20
Toluene	[2]	0.100	NA	mg/L	1	0.100	<0.000247	100	200	70 - 130	20
Ethylbenzene	[3]	0.102	NA	mg/L	1	0.100	<0.000550	102	200	75.1 - 130	20
Xylene	[4]	0.299	NA	mg/L	1	0.300	<0.00156	100	200	77 - 131.9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	[5]	0.117	NA	mg/L	1	0.1	117	0	70 - 130
4-Bromofluorobenzene (4-BFB)	[6]	0.108	NA	mg/L	1	0.1	108	0	70 - 130

Matrix Spike (MS-1) QC Batch: 23029 Spiked Sample: 78671

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	190	189	mg/L	10	12.5	68.8	97	0	72.6 - 124	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 23031 Spiked Sample: 78672

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	782	777	mg/L	50	12.5	183	96	1	72.6 - 124	20

[1]RPD is out of range because a matrix spike duplicate was not prepared.
[2]RPD is out of range because a matrix spike duplicate was not prepared.
[3]RPD is out of range because a matrix spike duplicate was not prepared.
[4]RPD is out of range because a matrix spike duplicate was not prepared.
[5]RPD is out of range because a matrix spike duplicate was not prepared.
[6]RPD is out of range because a matrix spike duplicate was not prepared.

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1) QC Batch: 22954

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.102	102	85 - 115	2005-11-21
Toluene		mg/L	0.100	0.105	105	85 - 115	2005-11-21
Ethylbenzene		mg/L	0.100	0.106	106	85 - 115	2005-11-21
Xylene		mg/L	0.300	0.311	104	85 - 115	2005-11-21

Standard (CCV-1) QC Batch: 22954

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.101	101	85 - 115	2005-11-21
Toluene		mg/L	0.100	0.102	102	85 - 115	2005-11-21
Ethylbenzene		mg/L	0.100	0.103	103	85 - 115	2005-11-21
Xylene		mg/L	0.300	0.303	101	85 - 115	2005-11-21

Standard (ICV-1) QC Batch: 23029

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.0	96	90 - 110	2005-11-21

Standard (CCV-1) QC Batch: 23029

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.2	98	90 - 110	2005-11-21

Standard (ICV-1) QC Batch: 23031

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.3	98	90 - 110	2005-11-22

Standard (CCV-1) QC Batch: 23031

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.5	100	90 - 110	2005-11-22

6701 Aberdeen Avenue, Ste. 9
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1 (800) 378-1296
email: lab@traceanalysis.com

TraceAnalysis, Inc.

155 McCutcheon,Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 578116

Company Name: TRC
Phone #: (713) 821-6087
Address: (Street, City, Zip) 2313 W. 34th Houston PKW N107, Houston, TX 77043
Fax #:
Contact Person: MR. BRETT NEFF
Invoice to: (If different from above) J. Cowen @ KMI
Project #: 402901
Project Name: Hobbs GP
Project Location: Hobbs NM
Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
78665	MW6R	1	250ml	X									X	11-14-05	0800
66	MW9	1	250ml	X									X	11-18-05	0815
67	MW3	1	250ml	X									X	11-18-05	0830
68	MW8	1	250ml	X									X	11-18-05	0845
69	MW7	1	250ml	X									X	11-18-05	0900
70	MW12	1	250ml	X									X	11-18-05	0915
71	MW11	1	250ml	X									X	11-18-05	0930
72	MW10	1	250ml	X									X	11-18-05	0945
73	MW99	1	250ml	X									X	11-18-05	1000
74	Trip Blank	2	40ml	X				X						11-14-05	N/A

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	TX 1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content	Total Chloride		Turn Around Time if different from standard	Hold
																	X			
																	X			
																	X			
																	X			
																	X			
																	X			
																	X			
																	X			
	X																X			

Relinquished by: Date: Time:
Received by: Date: Time:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	11-18-05	1300	Ellen Shelton	11/18/05	1300
Ellen Shelton	11/18/05	1730			
			Received at Laboratory by: Megan McLeod	11/19/05	1120

LAB USE ONLY
Intact Y N
Headspace Y N
Temp 4.0°
Log-in Review

REMARKS:
Do not run MW-8 per Brett 11-22-05

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Carrier # Greyhound GU 168 3197813

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

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6701 Aberdeen Avenue, Ste. 9
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1 (800) 378-1296
email: lab@traceanalysis.com

TraceAnalysis, Inc.

155 McCutcheon, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

Company Name: _____ Phone #: _____

Address: (Street, City, Zip) _____ Fax #: _____

e-mail: _____

Contact Person: _____

Invoice to: (If different from above) _____

Project #: _____ Project Name: _____

Project Location: _____ Sampler Signature: _____

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	TX 1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content			Turn Around Time if different from standard	Hold

Relinquished by: Date: Time: Received by: Date: Time:

Relinquished by: Date: Time: Received by: Date: Time:

Relinquished by: Date: Time: Received at Laboratory by: Date: Time:

LAB USE ONLY

Intact ___ Y / N ___

Headspace ___ Y / N ___

Temp ___ °

Log-in Review ___

REMARKS:

☐ Dry Weight Basis Required

☐ TRRP Report Required

☐ Check If Special Reporting Limits Are Needed

Carrier # _____

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

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Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #_____

Company Name: [illegible] Phone #: [illegible]

Address: (Street, City, Zip) [illegible] Fax #:

Contact Person: [illegible]

Invoice to: (If different from above) [illegible]

Project #: [illegible] Project Name: [illegible]

Project Location: [illegible] Sampler Signature: [illegible]

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
	[illegible]														
	[illegible]														
	[illegible]														
	[illegible]														
	[illegible]														
	[illegible]														
	[illegible]														
	[illegible]														
	[illegible]														
	[illegible]														
	[illegible]														

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	[illegible]					Turn Around Time if different from standard	Hold
	X														X						
	X														X						
	X														X						
	X														X						
	X														X						
	X														X						
	X														X						
	X														X						
	X														X						
	X														X						
	X														X						

Relinquished by: [illegible] **Date:** **Time:** **Received by:** **Date:** **Time:**

Relinquished by: **Date:** **Time:** **Received by:** **Date:** **Time:**

Relinquished by: **Date:** **Time:** **Received at Laboratory by:** **Date:** **Time:**

LAB USE ONLY

Intact ___ Y / N ___

Headspace ___ Y / N ___

Temp ___ °

Log-in Review ___

REMARKS:

☐ Check If Special Reporting Limits Are Needed

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Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

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2004 Annual Groundwater Monitoring Summary Report Former Hobbs Gas Plant Hobbs (Lea County), TX

Prepared for:

KINDER MORGAN

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and

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February 2005

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Customer-Focused Solutions

February 8, 2005

Mr. Wayne Price
New Mexico Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505

Ref: Transmittal of Annual 2004 Groundwater Monitoring Summary Report
Kinder Morgan, Inc. - Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico
Discharge Plan GW-191
TRC Environmental Corporation Project #40299

Dear Mr. Price:

This letter report (and appendices) summarizes the annual groundwater monitoring activities conducted at the above-referenced location in May and November 2004 by TRC Environmental Corporation (TRC). A site location map is illustrated on Figure 1. The site and general vicinity contain monitor wells MW-1 through MW-10 as illustrated on Figure 2. Monitor wells MW-7 and MW-10 are located offsite on the adjacent Excel Energy Cunningham Power Station property. Kinder Morgan, Inc. (KMI) has retained responsibility for the historical environmental impacts relating to the operation of the former gas plant facility.

The installation of two (2) additional off-site monitor wells (MW-11 and MW-12) was delayed during 2004. Since June 22, 2004 when the OCD approved the work, KMI has been in negotiations with the off-site property owner. The negotiations are expected to be finalized during the First Quarter of 2005.

GROUNDWATER SAMPLING PROCEDURES

During each semiannual sampling event, the 10 monitor wells were gauged for water levels and phase-separated hydrocarbons (PSH), if present. Groundwater levels and LNAPL thickness from each monitor well were recorded in a dedicated field book. Sampling was conducted in accordance with the New Mexico Oil Conservation Division (OCD) Discharge Plan GW-191.

Several monitor wells at the site including MW-1, MW-3, MW-5, and MW-6, were not purged or sampled during one or both events due to insufficient water columns present in the wells. Monitor wells MW-2, MW-4, and MW-8 were not required for purging and sampling as previously approved by the OCD.

The following monitor wells were purged and sampled for the indicated month:

- May 2004: MW-7, MW-9, and MW-10 (and duplicate); and
- November 2004: MW-3, MW-5 (and duplicate), MW-7, MW-9, and MW-10.

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The non-dedicated gauging and sampling equipment were decontaminated prior to use at each monitor well location. Decontamination fluids and disposable personal protective equipment were placed in containers for temporary on-site storage. Each container was labeled for contents, accumulation date, and container number.

Groundwater samples were collected using a submersible pump and dedicated tubing. The pumping rates were maintained between 0.25 to 0.5 liters per minute (L/min). Low-flow purging and sampling were conducted in accordance with the United States Environmental Protection Agency (USEPA) guidelines (EPA/540/S-95/504). Water quality parameters (*e.g.*, pH, specific conductance, turbidity, temperature, dissolved oxygen, and oxidation reduction potential) were measured using an in-line flow-through-cell. Purging continued until the parameters stabilized. The flow rate for sampling was maintained at the same rate at which purging was conducted. Samples were transferred directly from the dedicated tubing into the laboratory-provided glass sample containers. The sample containers were sealed, labeled, and placed on ice inside a cooler to maintain a temperature of four (4) degrees Centigrade. Trip and equipment blank samples were collected and placed in the cooler with the groundwater samples. These samples were analyzed to determine if any sample contaminants were introduced during sample collection and delivery. A standard chain-of-custody form was completed and accompanied the groundwater samples to Trace Analysis, Inc. of Lubbock, Texas.

The collected samples were analyzed for:

- Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) by USEPA Method 8021B; and
- Chlorides by USEPA Method 300.0.

Appropriate quality control and assurance methods were employed, including the analyses of method blanks and laboratory control spikes.

GROUNDWATER ELEVATIONS

Table 1 provides a cumulative summary of the groundwater elevations from September 1996 through November 2004.

May 2004

Of the 10 wells that were gauged, monitor wells MW-4, MW-5, and MW-6 were dry. Groundwater elevations ranged from 439.93 feet above mean sea level (ft. MSL) at monitor well MW-2 (upgradient) to 431.09 ft. MSL at monitor well MW-7 (downgradient). A potentiometric surface contour map for May 11, 2004 is illustrated on Figure 3. The hydraulic gradient (direction of groundwater flow) is to the southeast at an approximate gradient of 0.007 ft./ft.

November 2004

Of the 10 wells gauged, monitor wells MW-4, MW-6, and MW-8 were dry. For the remaining monitor wells, the groundwater elevations ranged from 439.92 ft. MSL at monitor well MW-2 (upgradient) to 427.18 ft. MSL at monitor well MW-10 (downgradient). A potentiometric surface contour map for November 22, 2004 is illustrated on Figure 4. The groundwater elevation at monitor well MW-10 dropped approximately 4.8 feet between May and November, and appears anomalous in comparison to elevations at other well locations. The hydraulic gradient (direction of groundwater flow) is to the south/ southeast at an approximate gradient of 0.0069 ft./ft.

GROUNDWATER ANALYTICAL RESULTS

Table 2 provides a cumulative summary of groundwater analytical results from February 1996 through November 2004. The laboratory data sheets and the chain-of-custody form for the May 2004 sampling event are provided in Appendix A. Similarly, the laboratory data sheets and chain-of-custody form for the November 2004 sampling event are provided in Appendix B.

May 2004

For this sampling event, groundwater samples were collected from monitor wells MW-7, MW-9, and MW-10. Benzene was detected at monitor well MW-7 (0.122 mg/L) above the New Mexico Water Quality Control Commission (WQCC) established guideline of 0.01 mg/L for benzene. Toluene, ethylbenzene, and total xylenes were not detected above laboratory reporting limits in monitor well MW-7. BTEX constituents were not detected above the laboratory reporting limits in monitor wells MW-9 and MW-10. Chlorides were detected at monitor wells MW-7 (46.5 mg/L), MW-9 (206 mg/L), and MW-10 (111 mg/L). The chloride concentrations for monitor wells MW-7, MW-9, and MW-10 are well below the WQCC established guideline of 250 mg/L.

A duplicate sample was collected from monitor well MW-10 in order to determine the reproducibility of the analytical results. This sample, labeled MW-10D, exhibited nearly identical laboratory concentrations indicating consistent laboratory results.

November 2004

For this sampling event, groundwater samples were collected from monitor wells MW-3, MW-5, MW-7, MW-9, and MW-10. BTEX constituents were not detected above the laboratory reporting limits in the monitor wells sampled during this event. Chlorides were detected at monitor wells MW-3 (156 mg/L), MW-5 (30.3 mg/L), MW-7 (47.6 mg/L), MW-9 (104 mg/L), and MW-10 (26.8 mg/L) well below the WQCC established guideline of 250 mg/L.

A duplicate sample was collected from monitor well MW-5 in order to determine the reproducibility of the analytical results. This sample, labeled MW-5 Dup, exhibited nearly identical laboratory concentrations indicating consistent laboratory results.

QUALITY CONTROL REVIEW OF LABORATORY ANALYTICAL DATA

A review of the monitoring data and associated quality control (QC) data was performed for the May 2004 and November 2004 sampling events at Hobbs. QC data indicate that measurement data are sufficient to meet project quality objectives, the data are defensible, and QC mechanisms are generally effective in ensuring measurement data reliability. No potential data quality issues were identified.

BTEX compounds were not detected above laboratory reporting limits for the trip and equipment blank samples.

CONCLUSIONS

Based on the observations and results of the gauging and sampling events for 2004 combined with a review of the historical site information, TRC concludes the following:

- Water levels are continuing to descend beneath the site area. Three (3) monitor wells (MW-4, MW-5, and MW-6) were dry for May 2004. Similarly, three (3) monitor wells (MW-4, MW-6, and MW-8) were dry in November 2004;

- The hydraulic gradient (direction of groundwater flow) is to the southeast for May 2004 and south/southeast for November 2004. Monitor well MW-2 is upgradient and monitor wells MW-7 (May) and MW-10 (November) are downgradient with respect to groundwater flow;

- Benzene was detected at monitor well MW-7 (0.122 mg/L) above the established guideline of 0.01 mg/L for May 2004, but not detected for November 2004;

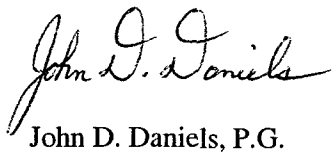
- BTEX constituents were not detected above the laboratory reporting limits during the November 2004 event;

- Laboratory reported chloride concentrations in May 2004 and November 2004 were below the WQCC established guideline of 250 mg/L; and

- Pursuant to the Contaminant Plume Delineation Work Plan dated December 22, 2003 and approved by the OCD on June 22, 2004, three (3) new monitor wells will be installed during the First Quarter of 2005. One (1) monitor well will be a deeper adjacent replacement well for MW-6. The remaining two (2) monitor wells (MW-11 and MW-12) will be downgradient from monitor wells MW-7 and MW-10.

If you have any questions, please do not hesitate to call me at 713.821.6004 or Mr. John Greer with Kinder Morgan at 713.369.9193.

Respectfully submitted,
TRC ENVIRONMENTAL CORPORATION



John D. Daniels, P.G.
Senior Project Manager

Attachments: Tables, Figures, and Appendices A & B

cc: Mr. John Greer (Kinder Morgan)
Project File

Tables

TABLES

TABLE 1
Cumulative Summary of Groundwater Elevations and Phase-Separated Hydrocarbon Thickness
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Sample Date	TOC Elevation (feet)	Depth to PSH (feet)	Depth to GW (feet)	PSH Thickness (feet)	GW Elevation (feet)
MW-1: Screened Interval 436.70' to 456.70'						
MW-1	9/17/1996	495.73	-	53.10	-	442.63
MW-1	10/23/1996	495.73	-	53.34	-	442.39
MW-1	4/10/1997	495.73	-	54.32	-	441.41
MW-1	7/7/1997	495.73	-	64.64	-	431.09
MW-1	10/8/1997	495.73	-	64.98	-	430.75
MW-1	1/6/1998	495.73	-	55.28	-	440.45
MW-1	4/3/1998	495.73	-	55.60	-	440.13
MW-1	6/25/1998	495.73	-	55.87	-	439.86
MW-1	10/2/1998	495.73	-	56.36	-	439.37
MW-1	1/5/1999	495.73	-	54.98	-	440.75
MW-1	4/1/1999	495.73	-	56.89	-	438.84
MW-1	7/14/1999	495.73	-	57.39	-	438.34
MW-1	10/22/1999	495.73	-	57.74	-	437.99
MW-1	1/25/2000	495.73	-	59.00	-	436.73
MW-1	4/3/2000	495.73	-	58.51	-	437.22
MW-1	7/17/2000	495.73	-	59.10	-	436.63
MW-1	10/24/2000	495.73	-	59.45	-	436.28
MW-1	1/24/2001	495.73	-	59.82	-	435.91
MW-1	10/18/2001	495.73	-	Dry	-	Dry
MW-1	3/19/2002	495.73	-	Dry	-	Dry
MW-1	8/14/2002	495.73	-	Dry	-	Dry
MW-1	1/13/2003	495.73	-	60.19	-	435.54
MW-1	8/26/2003	495.73	-	Dry	-	Dry
MW-1	5/11/2004	495.73	-	60.22	-	435.51
MW-1	11/22/2004	495.73	-	60.17	-	435.56
MW-2: Screened Interval 440.00' to 460.00'						
MW-2	9/17/1996	Not Installed.				
MW-2	10/23/1996	502.41	-	58.33	-	444.08
MW-2	4/10/1997	502.41	-	59.54	-	442.87
MW-2	7/7/1997	502.41	-	60.00	-	442.41
MW-2	10/8/1997	502.41	-	60.39	-	442.02
MW-2	1/6/1998	502.41	-	60.70	-	441.71
MW-2	4/3/1998	502.41	-	61.06	-	441.35
MW-2	6/25/1998	502.41	-	61.37	-	441.04
MW-2	10/2/1998	502.41	-	61.91	-	440.50
MW-2	1/5/1999	502.41	-	60.39	-	442.02
MW-2	4/1/1999	502.41	-	62.28	-	440.13
MW-2	7/14/1999	502.41	-	62.28	-	440.13

TABLE 1
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Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Sample Date	TOC Elevation (feet)	Depth to PSH (feet)	Depth to GW (feet)	PSH Thickness (feet)	GW Elevation (feet)
MW-2	10/22/1999	502.41	-	62.31	-	440.10
MW-2	1/25/2000	502.41	-	62.34	-	440.07
MW-2	4/3/2000	502.41	-	62.34	-	440.07
MW-2	7/17/2000	502.41	-	62.34	-	440.07
MW-2	10/24/2000	502.41	-	62.37	-	440.04
MW-2	1/24/2001	502.41	-	62.37	-	440.04
MW-2	10/18/2001	502.41	-	62.37	-	440.04
MW-2	3/19/2002	502.41	-	Dry	-	Dry
MW-2	8/14/2002	502.41	-	Dry	-	Dry
MW-2	1/13/2003	502.41	-	62.39	-	440.02
MW-2	8/26/2003	502.41	-	62.41	-	440.00
MW-2	5/11/2004	502.41	-	62.48	-	439.93
MW-2	11/22/2004	502.41	-	62.49	-	439.92
MW-3: Screened Interval 434.20' to 454.23'						
MW-3	9/17/1996	Not Installed.				
MW-3	10/23/1996	499.13	-	56.28	-	442.85
MW-3	4/10/1997	499.13	-	57.25	-	441.88
MW-3	7/7/1997	499.13	-	57.59	-	441.54
MW-3	10/8/1997	499.13	-	57.92	-	441.21
MW-3	1/8/1998	499.13	-	58.24	-	440.89
MW-3	4/3/1998	499.13	-	58.41	-	440.72
MW-3	6/25/1998	499.13	-	58.84	-	440.29
MW-3	10/2/1998	499.13	-	59.36	-	439.77
MW-3	1/5/1999	499.13	-	57.92	-	441.21
MW-3	4/1/1999	499.13	-	59.89	-	439.24
MW-3	7/14/1999	499.13	-	60.40	-	438.73
MW-3	10/22/1999	499.13	-	60.76	-	438.37
MW-3	1/25/2000	499.13	-	61.21	-	437.92
MW-3	4/3/2000	499.13	-	61.57	-	437.56
MW-3	7/17/2000	499.13	-	62.11	-	437.02
MW-3	10/24/2000	499.13	-	62.48	-	436.65
MW-3	1/24/2001	499.13	-	62.83	-	436.30
MW-3	10/18/2001	499.13	-	64.17	-	434.96
MW-3	3/19/2002	499.13	-	64.44	-	434.69
MW-3	8/14/2002	499.13	-	Dry	-	Dry
MW-3	1/13/2003	499.13	-	64.34	-	434.79
MW-3	8/26/2003	499.13	-	64.80	-	434.33
MW-3	5/11/2004	499.13	-	64.98	-	434.15
MW-3	11/22/2004	499.13	-	64.01	-	435.12

TABLE 1
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Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Sample Date	TOC Elevation (feet)	Depth to PSH (feet)	Depth to GW (feet)	PSH Thickness (feet)	GW Elevation (feet)
MW-4: Screened Interval 436.67' to 456.67'						
MW-4	9/17/1996	Not Installed.				
MW-4	10/23/1996	501.12	-	58.12	-	443.00
MW-4	4/10/1997	501.12	-	58.83	-	442.29
MW-4	7/7/1997	501.12	-	59.19	-	441.93
MW-4	10/8/1997	501.12	-	59.56	-	441.56
MW-4	1/6/1998	501.12	-	59.91	-	441.21
MW-4	4/3/1998	501.12	-	60.21	-	440.91
MW-4	6/25/1998	501.12	-	60.48	-	440.64
MW-4	10/2/1998	501.12	-	60.97	-	440.15
MW-4	1/5/1999	501.12	-	59.56	-	441.56
MW-4	4/1/1999	501.12	-	61.57	-	439.55
MW-4	7/14/1999	501.12	-	62.03	-	439.09
MW-4	10/22/1999	501.12	-	62.37	-	438.75
MW-4	1/25/2000	501.12	-	62.82	-	438.30
MW-4	4/3/2000	501.12	-	63.14	-	437.98
MW-4	7/17/2000	501.12	-	63.73	-	437.39
MW-4	10/24/2000	501.12	-	64.10	-	437.02
MW-4	1/24/2001	501.12	-	64.45	-	436.67
MW-4	10/18/2001	501.12	-	Dry	-	Dry
MW-4	3/19/2002	501.12	-	Dry	-	Dry
MW-4	8/14/2002	501.12	-	Dry	-	Dry
MW-4	1/13/2003	501.12	-	Dry	-	Dry
MW-4	8/26/2003	501.12	-	Dry	-	Dry
MW-4	5/11/2004	501.12	-	Dry	-	Dry
MW-4	11/22/2004	501.12	-	Dry	-	Dry
MW-5: Screened Interval 435.92' to 455.92'						
MW-5	9/17/1996	Not Installed.				
MW-5	10/23/1996	500.84	-	58.96	-	441.88
MW-5	4/10/1997	500.84	-	59.77	-	441.07
MW-5	7/7/1997	500.84	-	60.10	-	440.74
MW-5	10/8/1997	500.84	-	60.31	-	440.53
MW-5	1/6/1998	500.84	-	60.76	-	440.08
MW-5	4/3/1998	500.84	-	61.05	-	439.79
MW-5	6/25/1998	500.84	-	61.05	-	439.79
MW-5	10/2/1998	500.84	-	61.77	-	439.07
MW-5	1/5/1999	500.84	-	60.31	-	440.53
MW-5	4/1/1999	500.84	-	62.24	-	438.60
MW-5	7/14/1999	500.84	-	62.76	-	438.08
MW-5	10/22/1999	500.84	-	63.08	-	437.76

TABLE 1
Cumulative Summary of Groundwater Elevations and
Phase-Separated Hydrocarbon Thickness
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Sample Date	TOC Elevation (feet)	Depth to PSH (feet)	Depth to GW (feet)	PSH Thickness (feet)	GW Elevation (feet)
MW-5	1/25/2000	500.84	-	63.51	-	437.33
MW-5	4/3/2000	500.84	-	63.84	-	437.00
MW-5	7/17/2000	500.84	-	64.35	-	436.49
MW-5	10/24/2000	500.84	-	64.68	-	436.16
MW-5	1/24/2001	500.84	-	Dry	-	Dry
MW-5	10/18/2001	500.84	-	Dry	-	Dry
MW-5	3/19/2002	500.84	-	Dry	-	Dry
MW-5	8/14/2002	500.84	-	Dry	-	Dry
MW-5	1/13/2003	500.84	-	Dry	-	Dry
MW-5	8/26/2003	500.84	-	Dry	-	Dry
MW-5	5/11/2004	500.84	-	Dry	-	Dry
MW-5	11/22/2004	500.84	-	67.10	-	433.74
MW-6: Screened Interval 433.60' to 456.60'						
MW-6	9/17/1996	Not Installed.				
MW-6	10/23/1996	496.27	-	55.53	-	440.74
MW-6	4/10/1997	496.27	-	56.28	-	439.99
MW-6	7/7/1997	496.27	-	56.58	-	439.69
MW-6	10/8/1997	496.27	-	56.68	-	439.59
MW-6	1/6/1998	496.27	-	57.23	-	439.04
MW-6	4/3/1998	496.27	-	57.49	-	438.78
MW-6	6/25/1998	496.27	-	57.49	-	438.78
MW-6	10/2/1998	496.27	-	57.17	-	439.10
MW-6	1/5/1999	496.27	-	56.88	-	439.39
MW-6	4/1/1999	496.27	-	58.52	-	437.75
MW-6	7/14/1999	496.27	-	59.08	-	437.19
MW-6	10/22/1999	496.27	-	59.36	-	436.91
MW-6	1/25/2000	496.27	-	59.77	-	436.50
MW-6	4/3/2000	496.27	-	60.08	-	436.19
MW-6	7/17/2000	496.27	-	60.50	-	435.77
MW-6	10/24/2000	496.27	-	60.86	-	435.41
MW-6	1/24/2001	496.27	-	61.22	-	435.05
MW-6	10/18/2001	496.27	-	Dry	-	Dry
MW-6	3/19/2002	496.27	-	Dry	-	Dry
MW-6	8/14/2002	496.27	-	Dry	-	Dry
MW-6	1/13/2003	496.27	-	62.57	-	433.70
MW-6	8/26/2003	496.27	-	Dry	-	Dry
MW-6	5/11/2004	496.27	-	Dry	-	Dry
MW-6	11/22/2004	496.27	-	Dry	-	Dry

TABLE 1
Cumulative Summary of Groundwater Elevations and Phase-Separated Hydrocarbon Thickness
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Sample Date	TOC Elevation (feet)	Depth to PSH (feet)	Depth to GW (feet)	PSH Thickness (feet)	GW Elevation (feet)
MW-7: Screened Interval 426.40' to 446.40'						
MW-7	9/17/1996	Not Installed.				
MW-7	10/23/1996	Not Installed.				
MW-7	4/10/1997	495.44	-	57.28	-	438.16
MW-7	7/7/1997	495.44	-	57.54	-	437.90
MW-7	10/8/1997	495.44	-	57.85	-	437.59
MW-7	1/6/1998	495.44	-	58.17	-	437.27
MW-7	4/3/1998	495.44	-	58.47	-	436.97
MW-7	6/25/1998	495.44	-	58.70	-	436.74
MW-7	10/2/1998	495.44	-	58.99	-	436.45
MW-7	1/5/1999	495.44	-	57.85	-	437.59
MW-7	4/1/1999	495.44	-	59.36	-	436.08
MW-7	7/14/1999	495.44	-	59.84	-	435.60
MW-7	10/22/1999	495.44	-	60.14	-	435.30
MW-7	1/25/2000	495.44	-	60.58	-	434.86
MW-7	4/3/2000	495.44	-	60.83	-	434.61
MW-7	7/17/2000	495.44	-	61.10	-	434.34
MW-7	10/24/2000	495.44	-	61.46	-	433.98
MW-7	1/24/2001	495.44	-	61.84	-	433.60
MW-7	10/18/2001	495.44	-	62.79	-	432.65
MW-7	3/19/2002	495.44	-	63.43	-	432.01
MW-7	8/14/2002	495.44	-	63.67	-	431.77
MW-7	1/13/2003	495.44	-	63.65	-	431.79
MW-7	8/26/2003	495.44	63.91	63.92	<0.01*	431.52
MW-7	5/11/2004	495.44	-	64.35	-	431.09
MW-7	11/22/2004	495.44	-	63.58	-	431.86
MW-8: Screened Interval 430.90' to 450.90'						
MW-8	9/17/1996	Not Installed.				
MW-8	10/23/1996	Not Installed.				
MW-8	4/10/1997	501.81	-	60.32	-	441.49
MW-8	7/7/1997	501.81	-	60.67	-	441.14
MW-8	10/8/1997	501.81	-	61.00	-	440.81
MW-8	1/6/1998	501.81	-	61.35	-	440.46
MW-8	4/3/1998	501.81	-	61.61	-	440.20
MW-8	6/25/1998	501.81	-	61.87	-	439.94
MW-8	10/2/1998	501.81	-	62.27	-	439.54
MW-8	1/5/1999	501.81	-	61.00	-	440.81
MW-8	4/1/1999	501.81	-	62.79	-	439.02
MW-8	7/14/1999	501.81	-	63.19	-	438.62

TABLE 1
Cumulative Summary of Groundwater Elevations and Phase-Separated Hydrocarbon Thickness
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Sample Date	TOC Elevation (feet)	Depth to PSH (feet)	Depth to GW (feet)	PSH Thickness (feet)	GW Elevation (feet)
MW-8	10/22/1999	501.81	-	63.51	-	438.30
MW-8	1/25/2000	501.81	-	63.97	-	437.84
MW-8	4/3/2000	501.81	-	64.26	-	437.55
MW-8	7/17/2000	501.81	-	64.68	-	437.13
MW-8	10/24/2000	501.81	-	65.04	-	436.77
MW-8	1/24/2001	501.81	-	64.38	-	437.43
MW-8	10/18/2001	501.81	-	66.51	-	435.30
MW-8	3/19/2002	501.81	-	66.99	-	434.82
MW-8	8/14/2002	501.81	-	67.23	-	434.58
MW-8	1/13/2003	501.81	-	67.12	-	434.69
MW-8	8/26/2003	501.81	-	67.41	-	434.40
MW-8	5/11/2004	501.81	-	67.71	-	434.10
MW-8	11/22/2004	501.81	-	Dry	-	Dry
MW-9: Screened Interval 429.50' to 449.50'						
MW-9	9/17/1996	Not Installed.				
MW-9	10/23/1996	Not Installed.				
MW-9	4/10/1997	496.85	-	56.29	-	440.56
MW-9	7/7/1997	496.85	-	56.66	-	440.19
MW-9	10/8/1997	496.85	-	57.00	-	439.85
MW-9	1/6/1998	496.85	-	57.38	-	439.47
MW-9	4/3/1998	496.85	-	57.67	-	439.18
MW-9	6/25/1998	496.85	-	57.95	-	438.90
MW-9	10/2/1998	496.85	-	58.34	-	438.51
MW-9	1/5/1999	496.85	-	57.00	-	439.85
MW-9	4/1/1999	496.85	-	58.73	-	438.12
MW-9	7/14/1999	496.85	-	59.31	-	437.54
MW-9	10/22/1999	496.85	-	59.61	-	437.24
MW-9	1/25/2000	496.85	-	60.07	-	436.78
MW-9	4/3/2000	496.85	-	60.43	-	436.42
MW-9	7/17/2000	496.85	-	60.92	-	435.93
MW-9	10/24/2000	496.85	-	61.30	-	435.55
MW-9	1/24/2001	496.85	-	61.67	-	435.18
MW-9	10/18/2001	496.85	-	62.94	-	433.91
MW-9	3/19/2002	496.85	-	63.47	-	433.38
MW-9	8/14/2002	496.85	-	63.95	-	432.90
MW-9	1/13/2003	496.85	-	63.33	-	433.52
MW-9	8/26/2003	496.85	-	63.80	-	433.05
MW-9	5/11/2004	496.85	-	64.03	-	432.82
MW-9	11/22/2004	496.85	-	62.99	-	433.86

TABLE 1
Cumulative Summary of Groundwater Elevations and
Phase-Separated Hydrocarbon Thickness
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Sample Date	TOC Elevation (feet)	Depth to PSH (feet)	Depth to GW (feet)	PSH Thickness (feet)	GW Elevation (feet)
MW-10: Screened Interval 426.00' to 446.00'						
MW-10	9/17/1996	Not Installed.				
MW-10	10/23/1996	Not Installed.				
MW-10	4/10/1997	492.46	-	52.83	-	439.63
MW-10	7/7/1997	492.46	-	53.09	-	439.37
MW-10	10/8/1997	492.46	-	53.43	-	439.03
MW-10	1/6/1998	492.46	-	53.86	-	438.60
MW-10	4/3/1998	492.46	-	54.17	-	438.29
MW-10	6/25/1998	492.46	-	54.35	-	438.11
MW-10	10/2/1998	492.46	-	54.76	-	437.70
MW-10	1/5/1999	492.46	-	54.43	-	438.03
MW-10	4/1/1999	492.46	-	55.04	-	437.42
MW-10	7/14/1999	492.46	-	55.59	-	436.87
MW-10	10/22/1999	492.46	-	55.94	-	436.52
MW-10	1/25/2000	492.46	-	56.35	-	436.11
MW-10	4/3/2000	492.46	-	56.96	-	435.50
MW-10	7/17/2000	492.46	-	57.02	-	435.44
MW-10	10/24/2000	492.46	-	57.44	-	435.02
MW-10	1/24/2001	492.46	-	57.84	-	434.62
MW-10	10/18/2001	492.46	-	59.91	-	432.55
MW-10	3/19/2002	492.46	-	59.67	-	432.79
MW-10	8/14/2002	492.46	-	59.76	-	432.70
MW-10	1/13/2003	492.46	-	59.62	-	432.84
MW-10	8/26/2003	492.46	-	61.97	-	430.49
MW-10	5/11/2004	492.46	-	60.41	-	432.05
MW-10	11/22/2004	492.46	-	65.28	-	427.18

NOTES:
GW = Groundwater
PSH = Phase-separated hydrocarbons
* Sheen
TOC = Top of casing
Top of casing elevations are based on an assumed datum of 500.00'

TABLE 2
Cumulative Summary of Groundwater Analytical Results
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	Phenol (mg/l)	Naphthalene (mg/l)	Chlorides (mg/l)
MW-1	2/14/1996	**0.083**	<0.001	<0.001	0.01	--	--	--
MW-1	2/29/1996	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-1	4/20/1996	**0.305**	<0.001	0.002	0.032	<0.001	0.017	--
MW-1	10/23/1996	**0.352**	<0.001	0.026	0.081	0.025	0.010	--
MW-1	4/10/1997	**0.268**	<0.001	0.012	0.034	<0.001	0.007	--
MW-1	7/7/1997	**0.243**	--	--	--	--	0.005	--
MW-1	10/8/1997	**0.180**	<0.001	0.012	<0.001	--	0.003	<10
MW-1	1/5/1998	**0.138**	<0.001	0.008	<0.001	--	0.002	6.2
MW-1	4/3/1998	**0.109**	<0.001	0.004	0.006	--	0.003	51
MW-1	6/25/1998	**0.071**	<0.001	0.002	0.003	--	<0.001	7.3
MW-1	10/2/1998	**0.078**	<0.005	<0.005	<0.005	--	<0.001	14
MW-1	1/5/1999	0.005	<0.001	<0.001	<0.001	--	--	--
MW-1	4/1/1999	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-1	7/14/1999	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-1	10/22/1999	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-1	1/25/2000	0.001	<0.001	<0.001	<0.001	--	--	--
MW-1	4/3/2000	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-1	7/17/2000	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-1	10/24/2000	**0.055**	0.036	0.025	0.090	--	--	--
MW-1	1/24/2001	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-1	10/18/2001	Insufficient water column present to purge/sample.						
MW-1	3/19/2002	Insufficient water column present to purge/sample.						
MW-1	8/14/2002	Insufficient water column present to purge/sample.						
MW-1	1/13/2003	Insufficient water column present to purge/sample.						
MW-1	8/26/2003	Insufficient water column present to purge/sample.						
MW-1	5/11/2004	Insufficient water column present to purge/sample.						
MW-1	11/22/2004	Insufficient water column present to purge/sample.						
MW-2	10/23/1996	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
MW-2	4/10/1997	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
MW-2	7/7/1997	<0.001	--	--	--	--	--	--
MW-2	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	<0.001	19
MW-2	1/6/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	27
MW-2	4/3/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	96
MW-2	6/25/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	25
MW-2	10/2/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	--
MW-2	1/5/1999	Sampling discontinued as approved by OCD.						
MW-2	1/13/2003	Sampling discontinued as approved by OCD.						
MW-2	8/26/2003	Sampling discontinued as approved by OCD.						
MW-2	5/11/2004	Sampling discontinued as approved by OCD.						
MW-2	11/22/2004	Sampling discontinued as approved by OCD.						
MW-3	10/23/1996	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
MW-3	4/10/1997	**0.016**	<0.001	<0.001	<0.001	<0.001	<0.001	--
MW-3	7/7/1997	0.003	<0.001	<0.001	<0.001	--	--	--
MW-3	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	<0.001	64
MW-3	1/8/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	58
MW-3	4/3/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	130
MW-3	6/25/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	12
MW-3	10/2/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	46
MW-3	1/5/1999	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-3	4/1/1999	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-3	7/14/1999	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-3	10/22/1999	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-3	1/25/2000	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-3	4/3/2000	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-3	7/17/2000	**0.01**	<0.005	<0.005	<0.005	--	--	--
MW-3	10/24/2000	**0.02**	0.008	<0.005	0.014	--	--	--

TABLE 2
Cumulative Summary of Groundwater Analytical Results
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	Phenol (mg/l)	Naphthalene (mg/l)	Chlorides (mg/l)
MW-3	1/24/2001	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-3	10/18/2001	0.006	<0.001	<0.001	<0.001	--	--	--
MW-3	3/19/2002	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-3	8/14/2002	Insufficient water column present to purge/sample.						
MW-3	1/13/2003	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-3	8/26/2003	Insufficient water column present to purge/sample.						
MW-3	5/11/2004	Insufficient water column present to purge/sample.						
MW-3	11/22/2004	<0.001	<0.001	<0.001	<0.001	--	--	156
MW-4	10/23/1996	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
MW-4	4/10/1997	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
MW-4	7/7/1997	<0.001	--	--	--	--	--	--
MW-4	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	<0.001	<10
MW-4	1/6/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	10
MW-4	4/3/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	58
MW-4	6/25/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	11
MW-4	10/2/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	18
MW-4	1/5/1999	Sampling discontinued as approved by OCD.						
MW-4	1/13/2003	Sampling discontinued as approved by OCD.						
MW-4	8/26/2003	Sampling discontinued as approved by OCD. Well was dry.						
MW-4	5/11/2004	Sampling discontinued as approved by OCD. Well was dry.						
MW-4	11/22/2004	Sampling discontinued as approved by OCD. Well was dry.						
MW-5	10/23/1996	**0.135**	<0.001	0.006	0.071	<0.001	<0.001	--
MW-5	4/10/1997	**0.043**	<0.001	<0.001	0.063	<0.001	0.001	--
MW-5	7/7/1997	**0.015**	--	--	--	--	<0.001	--
MW-5	10/8/1997	**0.050**	<0.001	<0.001	<0.001	--	0.001	24
MW-5	1/6/1998	**0.031**	<0.001	<0.001	0.010	--	<0.001	27
MW-5	4/3/1998	**0.037**	<0.001	0.002	0.019	--	0.001	69
MW-5	6/25/1998	**0.017**	<0.001	<0.001	0.006	--	<0.001	23
MW-5	10/2/1998	**0.011**	<0.001	<0.001	<0.001	--	<0.001	87
MW-5	1/5/1999	0.005	<0.001	<0.001	<0.001	--	--	--
MW-5	4/1/1999	0.003	<0.001	<0.001	<0.001	--	--	--
MW-5	7/14/1999	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-5	10/22/1999	<0.001	<0.001	<0.001	<0.001	--		--
MW-5	1/25/2000	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-5	4/3/2000	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-5	7/17/2000	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-5	10/24/2000	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-5	1/24/2001	Insufficient water column present to purge/sample.						
MW-5	10/18/2001	Insufficient water column present to purge/sample.						
MW-5	3/19/2002	Insufficient water column present to purge/sample.						
MW-5	8/14/2002	Insufficient water column present to purge/sample.						
MW-5	1/13/2003	Insufficient water column present to purge/sample.						
MW-5	8/26/2003	Insufficient water column present to purge/sample.						
MW-5	5/11/2004	Insufficient water column present to purge/sample.						
MW-5	11/22/2004	<0.001	<0.001	<0.001	<0.001	--	--	30.3
MW-5Dup	11/22/2004	<0.001	<0.001	<0.001	<0.001	--	--	30.4
MW-6	10/23/1996	**0.192**	<0.001	0.006	0.013	<0.001	<0.001	--
MW-6	4/10/1997	**0.272**	<0.001	<0.001	0.014	<0.001	0.001	--
MW-6	7/7/1997	**0.106**	--	--	--	--	--	--
MW-6	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	0.001	30
MW-6	1/6/1998	**0.132**	<0.001	<0.001	0.004	--	<0.001	31
MW-6	4/3/1998	**0.165**	<0.001	0.002	0.008	--	0.001	98
MW-6	6/25/1998	**0.143**	<0.001	<0.001	0.009	--	<0.001	28
MW-6	10/2/1998	**0.157**	<0.005	<0.005	0.012	--	<0.001	31
MW-6	1/5/1999	**0.123**	<0.001	<0.001	0.004	--	--	56
MW-6	4/1/1999	**0.12**	<0.001	<0.001	<0.001	--	--	31

TABLE 2
Cumulative Summary of Groundwater Analytical Results
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	Phenol (mg/l)	Naphthalene (mg/l)	Chlorides (mg/l)
MW-6	7/14/1999	**0.093**	<0.005	<0.005	<0.005	--	--	34
MW-6	10/22/1999	**0.09**	<0.001	<0.001	<0.001	--		31.5
MW-6	1/25/2000	**0.105**	<0.001	<0.001	<0.001	--	--	35
MW-6	4/3/2000	**0.157**	<0.005	<0.005	<0.005	--	--	33
MW-6	7/17/2000	**0.126**	<0.005	<0.005	<0.005	--	--	33
MW-6	10/24/2000	**0.031**	<0.005	<0.005	0.006	--	--	30
MW-6	1/24/2001	**0.02**	<0.005	<0.005	<0.005	--	--	28
MW-6	10/18/2001	Insufficient water column present to purge/sample.						
MW-6	3/19/2002	Insufficient water column present to purge/sample.						
MW-6	8/14/2002	Insufficient water column present to purge/sample.						
MW-6	1/13/2003	Insufficient water column present to purge/sample.						
MW-6	8/26/2003	Insufficient water column present to purge/sample.						
MW-6	5/11/2004	Insufficient water column present to purge/sample.						
MW-6	11/22/2004	Insufficient water column present to purge/sample.						
MW-7	1/9/1997	<0.001	<0.001	0.006	0.013	<0.001	<0.001	--
MW-7	4/10/1997	<0.001	<0.001	<0.001	0.014	<0.001	0.001	--
MW-7	7/7/1997	<0.001	--	--	--	--	--	--
MW-7	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	0.001	33
MW-7	1/6/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	37
MW-7	4/3/1998	<0.001	<0.001	<0.001	<0.001	--	0.001	120
MW-7	6/25/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	33
MW-7	10/2/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	36
MW-7	1/5/1999	<0.001	<0.001	<0.001	<0.001	--	--	74
MW-7	4/1/1999	<0.001	<0.001	<0.001	<0.001	--	--	36
MW-7	7/14/1999	<0.001	<0.001	<0.001	<0.001	--	--	35
MW-7	10/22/1999	<0.001	<0.001	<0.001	<0.001	--		35.2
MW-7	1/25/2000	<0.001	<0.001	<0.001	<0.001	--	--	32
MW-7	4/3/2000	<0.001	<0.001	<0.001	<0.001	--	--	31
MW-7	7/17/2000	<0.001	<0.001	<0.001	<0.001	--	--	32
MW-7	10/24/2000	<0.001	<0.001	<0.001	<0.001	--	--	33
MW-7	1/24/2001	<0.005	<0.005	<0.005	<0.005	--	--	33
MW-7	10/18/2001	**0.025**	<0.001	<0.001	<0.001	--	--	39.5
MW-7	3/19/2002	**0.414**	<0.001	<0.001	<0.001	--	--	39.8
MW-7	8/14/2002	**0.750**	<0.005	<0.005	<0.005	--	--	47.1
MW-7	1/13/2003	**0.799**	<0.005	<0.005	<0.005	--	--	38.5
MW-7	8/26/2003	Sheen detected. Not sampled.						
MW-7	5/11/2004	**0.122**	<0.001	<0.001	<0.001	--	--	46.5
MW-7	11/22/2004	<0.001	<0.001	<0.001	<0.001	--	--	47.6
MW-8	10/23/1996	Well not installed.						
MW-8	4/10/1997	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
MW-8	7/7/1997	<0.001	--	--	--	--	--	--
MW-8	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	<0.001	15
MW-8	1/6/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	27
MW-8	4/3/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	160
MW-8	6/25/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	26
MW-8	10/2/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	27
MW-8	1/5/1999	Sampling discontinued as approved by OCD.						
MW-8	1/13/2003	Sampling discontinued as approved by OCD.						
MW-8	8/26/2003	Sampling discontinued as approved by OCD.						
MW-8	5/11/2004	Sampling discontinued as approved by OCD.						
MW-8	11/22/2004	Sampling discontinued as approved by OCD.						
MW-9	10/23/1996	Well not installed.						
MW-9	4/10/1997	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	**320**
MW-9	7/7/1997	<0.001	--	--	--	--	--	41
MW-9	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	0.001	**560**

TABLE 2
Cumulative Summary of Groundwater Analytical Results
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

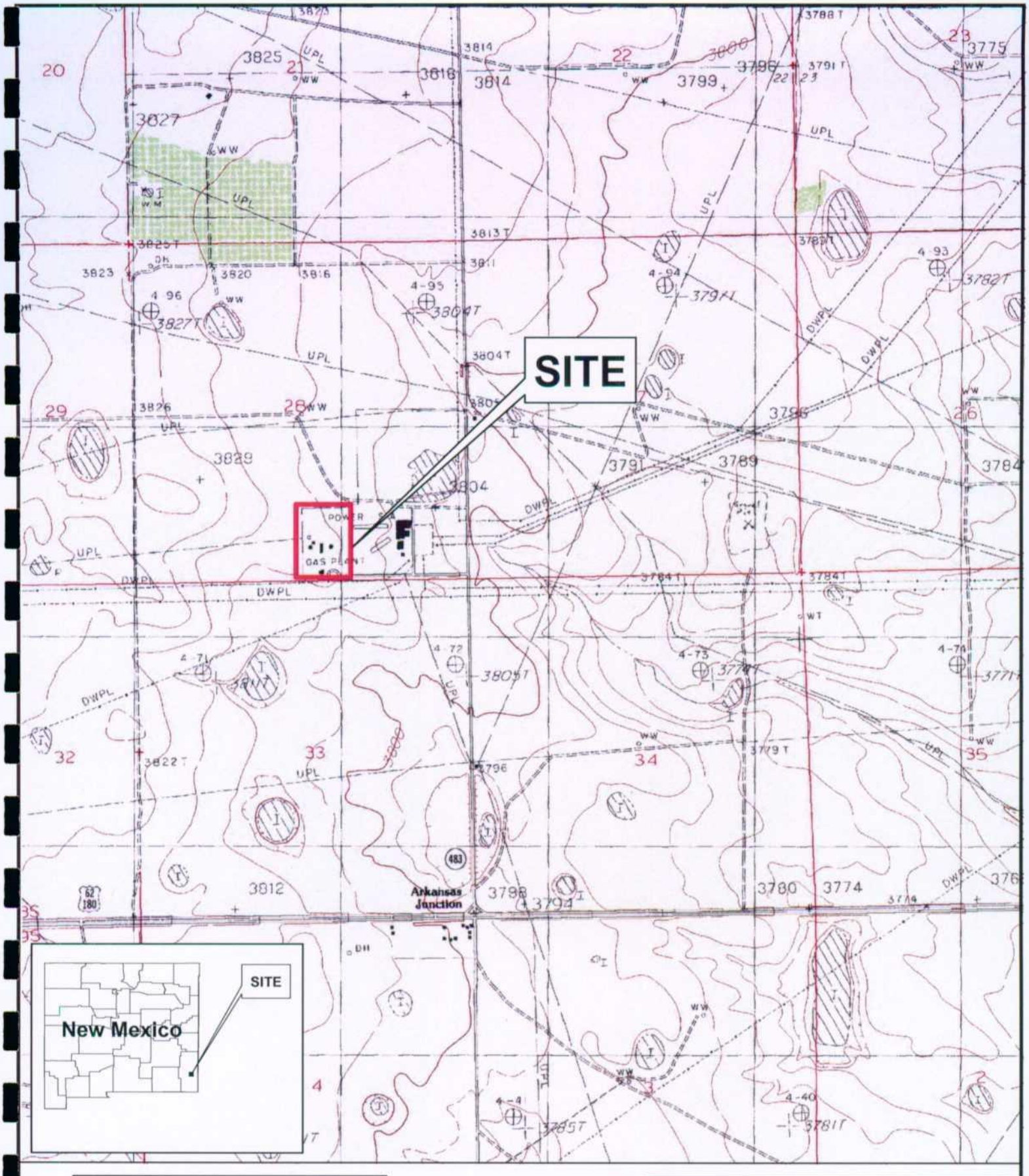
Monitor Well	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	Phenol (mg/l)	Naphthalene (mg/l)	Chlorides (mg/l)
MW-9	1/6/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	**490**
MW-9	4/3/1998	<0.001	<0.001	<0.001	<0.001	--	0.001	**460**
MW-9	6/25/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	**290**
MW-9	10/2/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	200
MW-9	1/5/1999	<0.001	<0.001	<0.001	<0.001	--	--	**520**
MW-9	4/1/1999	<0.001	<0.001	<0.001	<0.001	--	--	**260**
MW-9	7/14/1999	<0.001	<0.001	<0.001	<0.001	--	--	**284**
MW-9	10/22/1999	<0.001	<0.001	<0.001	<0.001	--		**278**
MW-9	1/25/2000	<0.005	<0.005	<0.005	<0.005	--	--	**300**
MW-9	4/3/2000	<0.005	<0.005	<0.005	<0.005	--	--	**250**
MW-9	7/17/2000	<0.001	<0.001	<0.001	<0.001	--	--	95
MW-9	10/24/2000	<0.001	<0.001	<0.001	<0.001	--	--	40
MW-9	1/24/2001	<0.005	<0.005	<0.005	<0.005	--	--	42
MW-9	10/18/2001	<0.001	<0.001	<0.001	<0.001	--	--	166
MW-9	3/19/2002	0.0046	<0.001	<0.001	<0.001	--	--	77.5
MW-9	8/14/2002	0.0022	<0.001	<0.001	<0.001	--	--	106
MW-9	1/13/2003	<0.001	<0.001	<0.001	<0.001	--	--	92.1
MW-9	8/26/2003	<0.005	<0.005	<0.005	<0.005	--	--	111
MW-9	5/11/2004	<0.001	<0.001	<0.001	<0.001	--	--	206
MW-9	11/22/2004	<0.001	<0.001	<0.001	<0.001	--	--	104
MW-10	10/23/1996	Well not installed.						
MW-10	4/10/1997	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	--
MW-10	7/7/1997	<0.001	--	--	--	--	--	8.8
MW-10	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	0.001	110
MW-10	1/6/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	101
MW-10	4/3/1998	<0.001	<0.001	<0.001	<0.001	--	0.001	180
MW-10	6/25/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	140
MW-10	10/2/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	160
MW-10	1/5/1999	<0.001	<0.001	<0.001	<0.001	--	--	140
MW-10	4/1/1999	<0.001	<0.001	<0.001	<0.001	--	--	128
MW-10	7/14/1999	<0.001	<0.001	<0.001	<0.001	--	--	124
MW-10	10/22/1999	<0.001	<0.001	<0.001	<0.001	--		122
MW-10	1/25/2000	<0.001	<0.001	<0.001	<0.001	--	--	120
MW-10	4/3/2000	<0.001	<0.001	<0.001	<0.001	--	--	130
MW-10	7/17/2000	<0.005	<0.005	<0.005	<0.005	--	--	130
MW-10	10/24/2000	<0.001	<0.001	<0.001	<0.001	--	--	150
MW-10	1/24/2001	<0.005	<0.005	<0.005	<0.005	--	--	18
MW-10	10/18/2001	<0.001	<0.001	<0.001	<0.001	--	--	119
MW-10	3/19/2002	0.0043	<0.001	<0.001	<0.001	--	--	78.9
MW-10	8/14/2002	<0.001	<0.001	<0.001	<0.001	--	--	96.4
MW-10	1/13/2003	<0.001	<0.001	<0.001	<0.001	--	--	140
MW-10	8/26/2003	<0.001	0.0012	<0.001	<0.001	--	--	162
MW-10	5/11/2004	<0.001	<0.001	<0.001	<0.001	--	--	111
MW-10D	5/11/2004	<0.001	<0.001	<0.001	<0.001	--	--	106
MW-10	11/22/2004	<0.001	<0.001	<0.001	<0.001	--	--	26.8

NOTE:

Shaded and **bolded** results exceed the New Mexico Water Quality Commission established guideline levels:
benzene = 0.01 mg/L and chlorides = 250 mg/L.
mg/L = milligrams per Liter or parts per million.
-- = Constituent not analyzed for.

Figures

FIGURES



0 2,000 4,000 Feet

N

SOURCE:
USGS 7.5 MINUTE QUADRANGLE MAPS
FOR MONUMENT NORTH, NM (1979)
OBTAINED FROM NEW MEXICO RESOURCE
GEOGRAPHIC INFORMATION SYSTEM PROGRAM
VIA THEIR WEBSITE: http://www.rgis.unm.edu

SITE LOCATION MAP

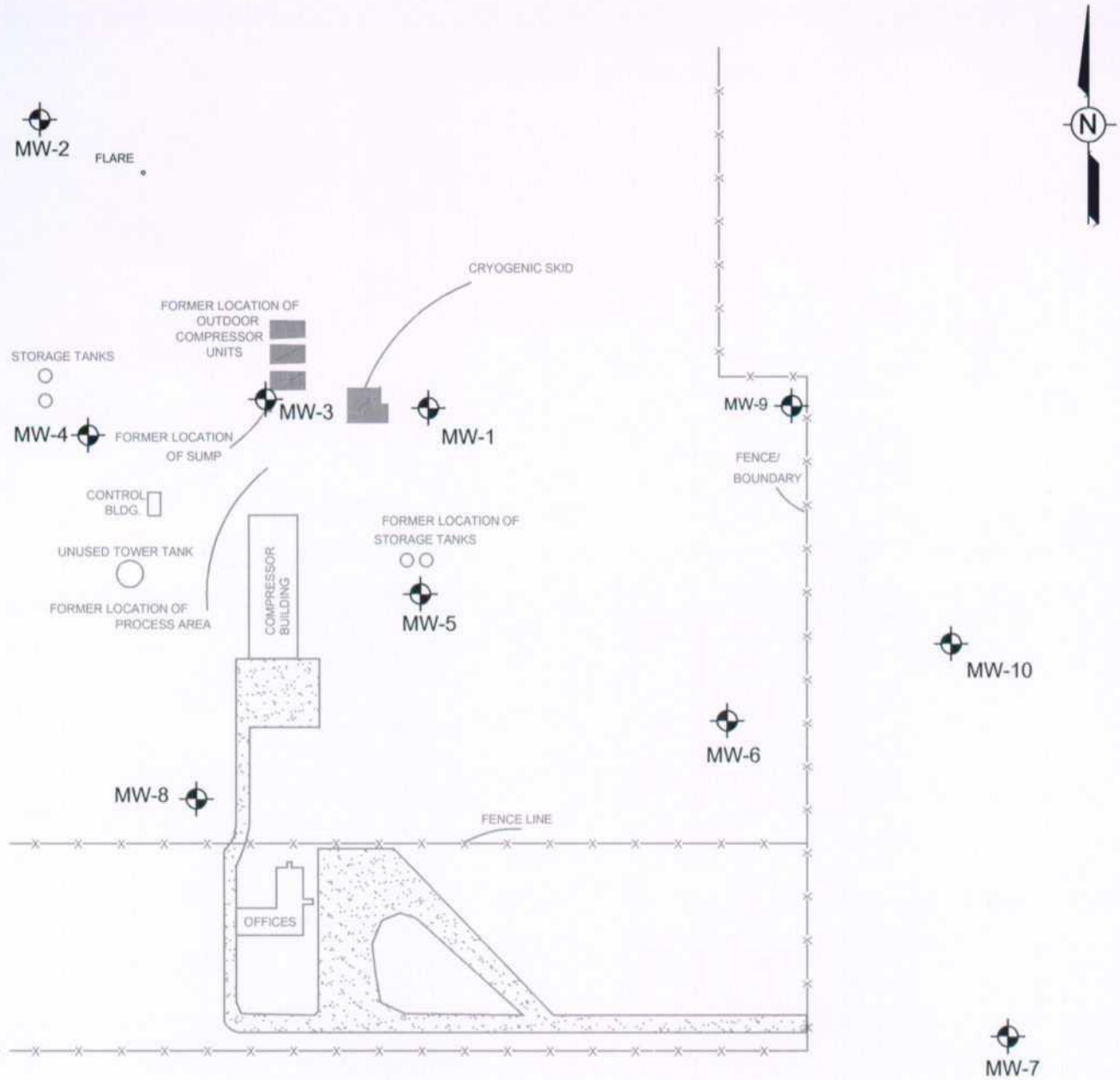
KINDER MORGAN

FORMER HOBBS GAS PLANT
LEA COUNTY, NEW MEXICO

PROJECT NO.: 40299 | DATE: 1/04

TRC
Environmental Corporation
Customer-Focused Solutions
2313 W SAM HOUSTON PARKWAY N.
SUITE 107
HOUSTON, TEXAS 77043
713-821-7000

FIGURE 1



LEGEND

MW-1 - MONITOR WELL LOCATION

SITE MAP

KINDER MORGAN

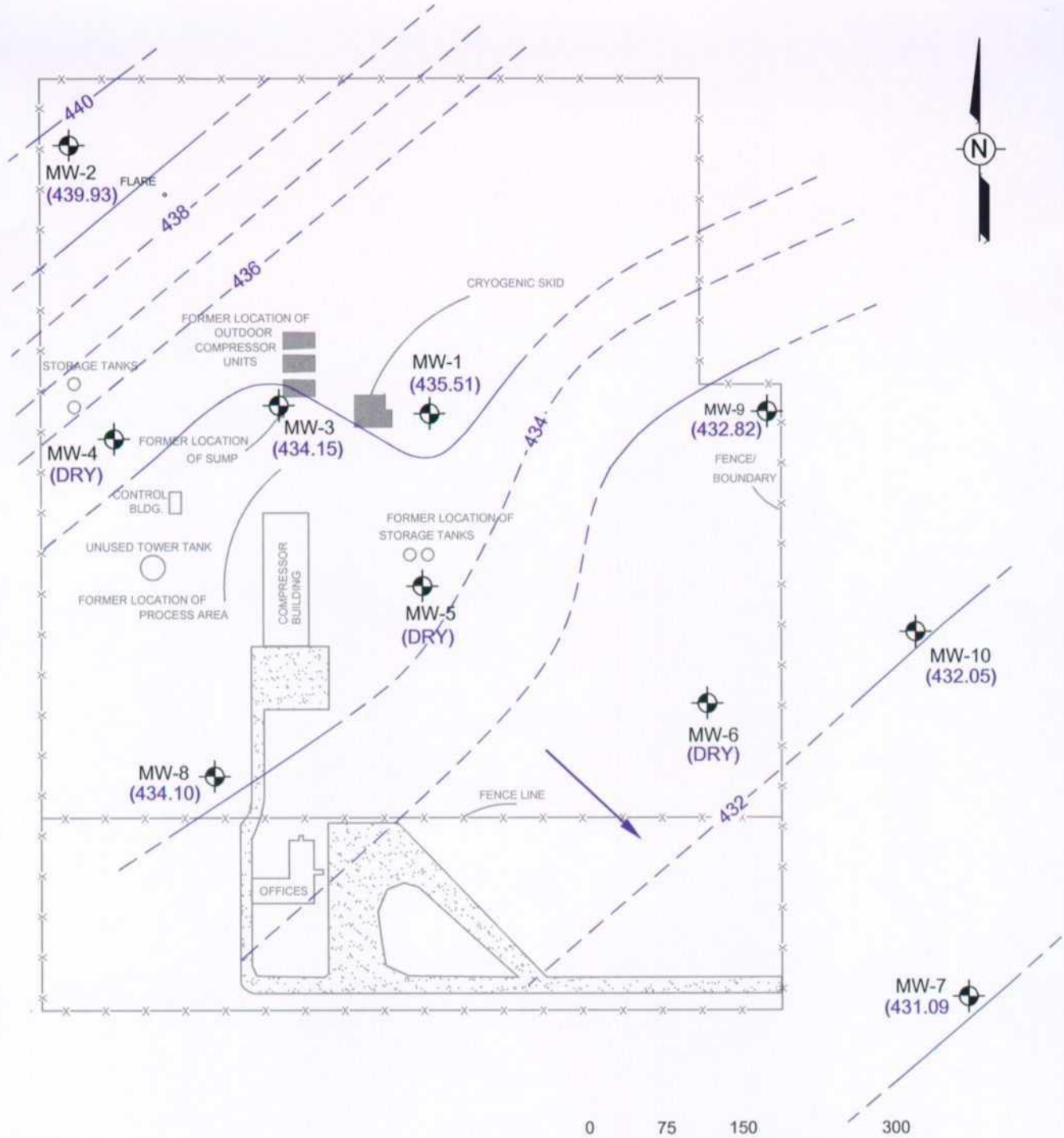
FORMER HOBBS GAS PLANT
LEE COUNTY, NEW MEXICO

PROJECT NO.: 40299 | DATE: 1/04

TRC Environmental Corporation Customer-Focused Solutions
2313 W. SAM HOUSTON PARKWAY N.
STE. 107
HOUSTON, TEXAS 77043
713-821-7000

FIGURE 2

HOU J:\Kinder Morgan\West Texas\Hobbs Gas Plant\Reports\Final\2004 Annual GW Summary Report\DRAWINGS\ KINDER MORGAN-FIG-2-HOBBS-GW-SITE-MAP1.dwg Layout1 02/08/05



SCALE IN FEET
APPROXIMATE SCALE

NOTE:
GROUNDWATER ELEVATIONS BASED ON ON ASSUMED DATUM OF 500.00'

LEGEND

MW-1 (434.10) - MONITOR WELL LOCATION W/ GROUNDWATER ELEVATION

—431— - CONTOUR INTERVAL (FEET) (DASHED WHERE INFERRED)

→ - APPARENT DIRECTION OF GROUNDWATER FLOW

GROUNDWATER POTENTIOMETRIC SURFACE MAP (MAY 11, 2004)

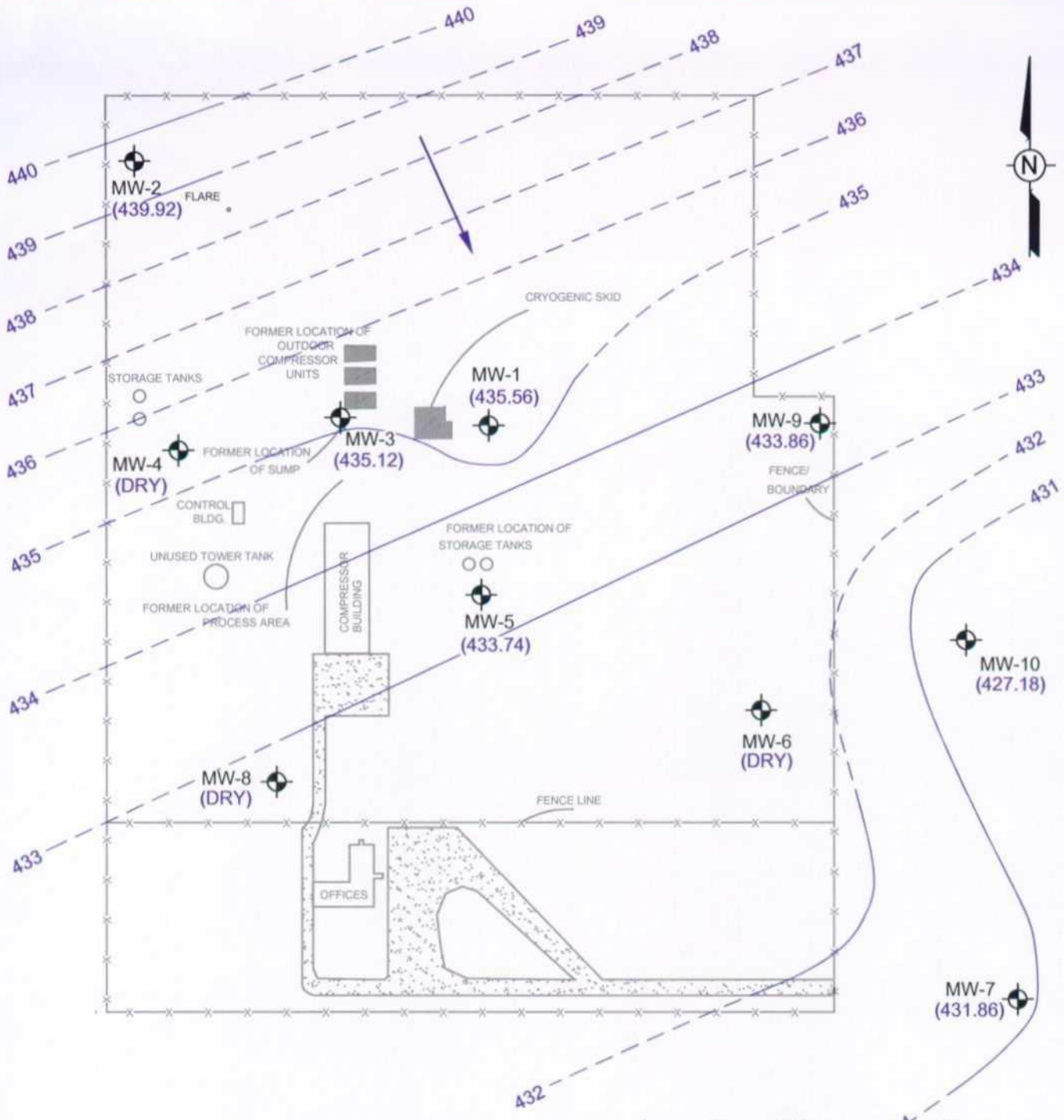
KINDER MORGAN

FORMER HOBBS GAS PLANT
LEE COUNTY, NEW MEXICO

PROJECT NO.: 40299 | DATE: 6/04

TRC Environmental Corporation
Customer-Focused Solutions
2313 W. SAM HOUSTON PARKWAY N.
STE. 107
HOUSTON, TEXAS 77043
713-821-7000

FIGURE 3



NOTE:
GROUNDWATER ELEVATIONS BASED ON ON ASSUMED DATUM OF 500.00'

SCALE IN FEET
APPROXIMATE SCALE

LEGEND

MW-1 (434.10) - MONITOR WELL LOCATION W/ GROUNDWATER ELEVATION

— 431 — - CONTOUR INTERVAL (FEET) (DASHED WHERE INFERRED)

→ - APPARENT DIRECTION OF GROUNDWATER FLOW

GROUNDWATER POTENTIOMETRIC SURFACE MAP (NOVEMBER 22, 2004)

KINDER MORGAN

FORMER HOBBS GAS PLANT
LEE COUNTY, NEW MEXICO

PROJECT NO.: 40299 | DATE: 1/05

TRC Environmental Corporation
Customer-Focused Solutions
2313 W. SAM HOUSTON PARKWAY N.
STE. 107
HOUSTON, TEXAS 77043
713-821-7000

FIGURE 4

Appendix A

APPENDIX A

ANALYTICAL LAB REPORT & CHAIN-OF-CUSTODY FORM (May 2004)

Summary Report

John Daniels
TRC
2313 W Sam Houston Parkway N.
Suite 107
Houston, TX 77013

Report Date: May 21, 2004
Work Order: 4051707

Project Location: Hobbs,NM
Project Name: Hobbs Gas Plant
Project Number: 40299-0002-0002

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
34158	40299-0002-00002-MW-9	water	2004-05-11	18:22	2004-05-15
34159	40299-0002-00002-MW-10	water	2004-05-11	19:35	2004-05-15
34160	40299-0002-00002-MW-10 Dup	water	2004-05-11	19:35	2004-05-15
34161	40299-0002-00002-MW-7	water	2004-05-11	20:31	2004-05-15
34162	Trip Blank	water	2004-05-11	00:00	2004-05-15
34163	Equp Blank	water	2004-05-11	19:45	2004-05-15

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
34158 - 40299-0002-00002-MW-9	<0.00100	<0.00100	<0.00100	<0.00100
34159 - 40299-0002-00002-MW-10	<0.00100	<0.00100	<0.00100	<0.00100
34160 - 40299-0002-00002-MW-10 Dup	<0.00100	<0.00100	<0.00100	<0.00100
34161 - 40299-0002-00002-MW-7	0.122	<0.00100	<0.00100	<0.00100
34162 - Trip Blank	<0.00500	<0.00500	<0.00500	<0.00500
34163 - Equp Blank	<0.00100	<0.00100	<0.00100	<0.00100

Sample: 34158 - 40299-0002-00002-MW-9

Param	Flag	Result	Units	RL
Chloride		206	mg/L	0.500

Sample: 34159 - 40299-0002-00002-MW-10

Param	Flag	Result	Units	RL
Chloride		111	mg/L	0.500

Sample: 34160 - 40299-0002-00002-MW-10 Dup

continued ...

sample 34160 continued ...

Param	Flag	Result	Units	RL

Param	Flag	Result	Units	RL
Chloride		106	mg/L	0.500

Sample: 34161 - 40299-0002-00002-MW-7

Param	Flag	Result	Units	RL
Chloride		46.5	mg/L	0.500

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
155 McCutcheon, Suite H El Paso, Texas 79932 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

John Daniels
TRC
2313 W Sam Houston Parkway N.
Suite 107
Houston, TX 77013

Report Date: May 21, 2004

Work Order: 4051707

Project Location: Hobbs,NM
Project Name: Hobbs Gas Plant
Project Number: 40299-0002-0002

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
34158	40299-0002-00002-MW-9	water	2004-05-11	18:22	2004-05-15
34159	40299-0002-00002-MW-10	water	2004-05-11	19:35	2004-05-15
34160	40299-0002-00002-MW-10 Dup	water	2004-05-11	19:35	2004-05-15
34161	40299-0002-00002-MW-7	water	2004-05-11	20:31	2004-05-15
34162	Trip Blank	water	2004-05-11	00:00	2004-05-15
34163	Equp Blank	water	2004-05-11	19:45	2004-05-15

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 34158 - 40299-0002-00002-MW-9

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	9812	Date Analyzed:	2004-05-18	Analyzed By:	MS
Prep Batch:	8705	Date Prepared:	2004-05-18	Prepared By:	MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0893	mg/L	1	0.100	89	79.7 - 119
4-Bromofluorobenzene (4-BFB)		0.0792	mg/L	1	0.100	79	65.6 - 141

Sample: 34158 - 40299-0002-00002-MW-9

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	9765	Date Analyzed:	2004-05-19	Analyzed By:	JSW
Prep Batch:	8664	Date Prepared:	2004-05-17	Prepared By:	JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		206	mg/L	10	0.500

Sample: 34159 - 40299-0002-00002-MW-10

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	9812	Date Analyzed:	2004-05-18	Analyzed By:	MS
Prep Batch:	8705	Date Prepared:	2004-05-18	Prepared By:	MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0898	mg/L	1	0.100	90	79.7 - 119
4-Bromofluorobenzene (4-BFB)		0.0791	mg/L	1	0.100	79	65.6 - 141

Sample: 34159 - 40299-0002-00002-MW-10

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A

QC Batch: 9765 | Date Analyzed: 2004-05-19 | Analyzed By: JSW
Prep Batch: 8664 | Date Prepared: 2004-05-17 | Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		111	mg/L	10	0.500

Sample: 34160 - 40299-0002-00002-MW-10 Dup

Analysis: BTEX | Analytical Method: S 8021B | Prep Method: S 5030B
QC Batch: 9812 | Date Analyzed: 2004-05-18 | Analyzed By: MS
Prep Batch: 8705 | Date Prepared: 2004-05-18 | Prepared By: MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0885	mg/L	1	0.100	88	79.7 - 119
4-Bromofluorobenzene (4-BFB)		0.0794	mg/L	1	0.100	79	65.6 - 141

Sample: 34160 - 40299-0002-00002-MW-10 Dup

Analysis: Chloride (IC) | Analytical Method: E 300.0 | Prep Method: N/A
QC Batch: 9765 | Date Analyzed: 2004-05-19 | Analyzed By: JSW
Prep Batch: 8664 | Date Prepared: 2004-05-17 | Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		106	mg/L	10	0.500

Sample: 34161 - 40299-0002-00002-MW-7

Analysis: BTEX | Analytical Method: S 8021B | Prep Method: S 5030B
QC Batch: 9812 | Date Analyzed: 2004-05-18 | Analyzed By: MS
Prep Batch: 8705 | Date Prepared: 2004-05-18 | Prepared By: MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.122	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0858	mg/L	1	0.100	86	79.7 - 119

continued ...

sample continued . . .

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)		0.0768	mg/L	1	0.100	77	65.6 - 141

Sample: 34161 - 40299-0002-00002-MW-7

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	9765	Date Analyzed:	2004-05-19	Analyzed By:	JSW
Prep Batch:	8664	Date Prepared:	2004-05-17	Prepared By:	JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		46.5	mg/L	5	0.500

Sample: 34162 - Trip Blank

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	9812	Date Analyzed:	2004-05-18	Analyzed By:	MS
Prep Batch:	8705	Date Prepared:	2004-05-18	Prepared By:	MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.426	mg/L	5	0.100	85	79.7 - 119
4-Bromofluorobenzene (4-BFB)		0.375	mg/L	5	0.100	75	65.6 - 141

Sample: 34163 - Equp Blank

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	9812	Date Analyzed:	2004-05-18	Analyzed By:	MS
Prep Batch:	8705	Date Prepared:	2004-05-18	Prepared By:	MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0888	mg/L	1	0.100	89	79.7 - 119
4-Bromofluorobenzene (4-BFB)		0.0792	mg/L	1	0.100	79	65.6 - 141

Method Blank (1) QC Batch: 9765

Parameter	Flag	Result	Units	RL
Chloride		<0.500	mg/L	0.5

Method Blank (1) QC Batch: 9812

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0929	mg/L	1	0.100	93	76.2 - 119
4-Bromofluorobenzene (4-BFB)		0.0800	mg/L	1	0.100	80	58.5 - 136

Laboratory Control Spike (LCS-1) QC Batch: 9765

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	12.0	12.1	mg/L	1	12.5	<0.337	96	1	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 9812

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0955	0.0945	mg/L	1	0.100	<0.000338	96	1	84.6 - 117	20
Toluene	0.0902	0.0896	mg/L	1	0.100	<0.000299	90	1	80.9 - 115	20
Ethylbenzene	0.0878	0.0874	mg/L	1	0.100	<0.000469	88	0	77.6 - 119	20
Xylene	0.261	0.260	mg/L	1	0.300	<0.000787	87	0	76.2 - 122	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0928	0.0961	mg/L	1	0.100	93	96	79.7 - 119
4-Bromofluorobenzene (4-BFB)	0.0834	0.0857	mg/L	1	0.100	83	86	65.6 - 141

Matrix Spike (MS-1) QC Batch: 9765

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	2710	2710	mg/L	100	12.5	1550	93	0	74.3 - 118	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1) QC Batch: 9765

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.0	96	90 - 110	2004-05-19

Standard (CCV-1) QC Batch: 9765

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.0	96	90 - 110	2004-05-19

Standard (CCV-1) QC Batch: 9812

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0912	91	85 - 115	2004-05-18
Toluene		mg/L	0.100	0.0865	86	85 - 115	2004-05-18
Ethylbenzene		mg/L	0.100	0.0856	86	85 - 115	2004-05-18
Xylene	[1]	mg/L	0.300	0.253	84	85 - 115	2004-05-18

Standard (CCV-2) QC Batch: 9812

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0930	93	85 - 115	2004-05-18
Toluene		mg/L	0.100	0.0876	88	85 - 115	2004-05-18
Ethylbenzene		mg/L	0.100	0.0862	86	85 - 115	2004-05-18
Xylene		mg/L	0.300	0.255	85	85 - 115	2004-05-18

[1]Xylene outside normals limits in CCV. Average of CCV components fall within acceptable range.

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1 (800) 378-1296

TraceAnalysis, Inc.

155 McCutcheon,Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 4051707

Company Name: TRC ENVIRONMENTAL Corp. Phone #: (713)821-6004

Address: (Street, City, Zip) 2313 W. SAM HOUSTON PKWY. N SUITE 107, TX 77043 (HOUSTON)

Fax #:

Contact Person: JOHN DANIELS

Invoice to: (If different from above) Pls. Bill to L. Greer at Kinder Morgan

Project #: 40299-0002-00002

Project Name: HOBBS GAS Plant

Project Location: HOBBS, NM

Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
34/58	40299-0002-00002 MW-9	2		X				X						05/11/04	1820
	40299-0002-00002 MW-9	1		X									X	05/11/04	1820
59	40299-0002-00002 MW-10	2		X				X						05/11/04	1935
	40299-0002-00002 MW-10	1		X									X	05/11/04	1935
60	40299-0002-00002 MW-10 DUP	2		X				X						05/11/04	1935
	40299-0002-00002 MW-10 DUP	1		X									X	05/11/04	1935
61	40299-0002-00002 MW-7	2		X				X						05/11/04	2031
	40299-0002-00002 MW-7	1		X									X	05/11/04	2031
	~~40299-0002-00002 P.S~~														
62	TRIP BLANK	2		X				X					X	P.S 05/11/04	
63	EQPT BLANK	2		X				X						05/11/04	1945

ANALYSIS REQUEST
(Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol 8260B/624	GC/MS Semi Vol 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD TSS. pH	TOTAL CHLORIDES					Turn Around Time if different from standard	Hold
	X														X						
															X						
	X																				
															X						
	X																				
															X						
	X																				
															X						
	X																				
	X																				

Relinquished by: Date: Time: 05/14/04 1600
Received by: FED EX Date: 05/14/04 Time: 1600

Relinquished by: Date: Time:
Received by: Date: Time:

Relinquished by: Date: Time:
Received at Laboratory by: Date: Time: 05/15/04 09:15 Am

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

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LAB USE ONLY

Intact Y / N
Headspace Y / N
Temp °
Log-in Review MA

REMARKS: Pls. send results to Mr. John Daniels at Houston

☐ Check if Special Reporting Limits Are Needed

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6701 Aberdeen Avenue, Ste. 9
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Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 4051707

Company Name: TRC ENVIRONMENTAL Corp. Phone #: (713)821-6004

Address: (Street, City, Zip) 2313 W. SAM HOUSTON PKWY. N. SUITE 107, TX 77043 (HOUSTON) Fax #:

Contact Person: JOHN DANIELS

Invoice to: (If different from above) Pls. Bill to M. Greer at Kinder Morgan

Project #: 40299-0002-00002 Project Name: HOBBS GAS Plant

Project Location: HOBBS, NM Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
34158	40299-0002-00002 MW-9	2		X				X						05/11/04	1822
	40299-0002-00002 MW-9	1		X									X	05/11/04	1822
59	40299-0002-00002 MW-10	2		X				X						05/11/04	1935
	40299-0002-00002 MW-10	1		X									X	05/11/04	1935
60	40299-0002-00002 MW-10 DUP	2		X				X						05/11/04	1935
	40299-0002-00002 MW-10 DUP	1		X									X	05/11/04	1935
61	40299-0002-00002 MW-7	2		X				X						05/11/04	2031
	40294-0002-00002 MW-7	1		X									X	05/11/04	2031
	~~40299-0003~~ P.S														
62	TRIP BLANK	1		X				X					X P.S	P.S 05/11/04	
63	EQPT BLANK	2		X				X						05/11/04	1945

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	TOTAL CHLORIDES					Turn Around Time if different from standard	Hold
	X														X						
	X														X						
	X														X						
	X														X						
	X														X						
	X														X						
	X														X						
	X														X						
	X																				
	X																				
	X																				

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	05/14/04	1600	FED EX	05/14/04	1600
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
			[signature]	05/15/04	09:45 Am

LAB USE ONLY

Intact Y / N

Headspace Y / N °

Temp

Log-in Review MA

REMARKS: Pls. send results to Mr. John Daniels at Houston

☐ Check If Special Reporting Limits Are Needed

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Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

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Appendix B

APPENDIX B

ANALYTICAL LAB REPORT & CHAIN-OF-CUSTODY FORM (December 2004)

Summary Report

Brett Neff
TRC
2313 W Sam Houston Parkway N.
Suite 107
Houston, TX 77043

Report Date: December 7, 2004

Work Order: 4112418

Project Location: Hobbs,NM
Project Name: Hobbs Gas Plant
Project Number: 40299-0002-0002

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
49194	40299-00002-MW-3-	water	2004-11-22	10:55	2004-11-24
49195	40299-00002-MW-5	water	2004-11-22	11:30	2004-11-24
49196	40299-00002-MW-5 Dup	water	2004-11-22	11:30	2004-11-24
49197	40299-00002-MW-9	water	2004-11-22	12:15	2004-11-24
49198	Equipment Blank	water	2004-11-22	11:20	2004-11-24
49199	40299-00002-MW-10	water	2004-11-22	13:10	2004-11-24
49200	40299-00002-MW-7	water	2004-11-22	13:45	2004-11-24
49201	Trip Blank	water	2004-11-22	00:00	2004-11-24

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
49194 - 40299-00002-MW-3-	<0.00100	<0.00100	<0.00100	<0.00100
49195 - 40299-00002-MW-5	<0.00100	<0.00100	<0.00100	<0.00100
49196 - 40299-00002-MW-5 Dup	<0.00100	<0.00100	<0.00100	<0.00100
49197 - 40299-00002-MW-9	<0.00100	<0.00100	<0.00100	<0.00100
49198 - Equipment Blank	<0.00100	<0.00100	<0.00100	<0.00100
49199 - 40299-00002-MW-10	<0.00100	<0.00100	<0.00100	<0.00100
49200 - 40299-00002-MW-7	<0.00100	<0.00100	<0.00100	<0.00100
49201 - Trip Blank	<0.00100	<0.00100	<0.00100	<0.00100

Sample: 49194 - 40299-00002-MW-3-

Param	Flag	Result	Units	RL
Chloride		156	mg/L	0.500

Sample: 49195 - 40299-00002-MW-5

Param	Flag	Result	Units	RL
Chloride		30.3	mg/L	0.500

Sample: 49196 - 40299-00002-MW-5 Dup

Param	Flag	Result	Units	RL
Chloride		30.4	mg/L	0.500

Sample: 49197 - 40299-00002-MW-9

Param	Flag	Result	Units	RL
Chloride		104	mg/L	0.500

Sample: 49199 - 40299-00002-MW-10

Param	Flag	Result	Units	RL
Chloride		26.8	mg/L	0.500

Sample: 49200 - 40299-00002-MW-7

Param	Flag	Result	Units	RL
Chloride		47.6	mg/L	0.500

TRACEANALYSIS, INC.

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155 McCutcheon, Suite H El Paso, Texas 79932 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Brett Neff
TRC
2313 W Sam Houston Parkway N.
Suite 107
Houston, TX 77043

Report Date: December 7, 2004

Work Order: 4112418

Project Location: Hobbs,NM
Project Name: Hobbs Gas Plant
Project Number: 40299-0002-0002

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
49194	40299-00002-MW-3-	water	2004-11-22	10:55	2004-11-24
49195	40299-00002-MW-5	water	2004-11-22	11:30	2004-11-24
49196	40299-00002-MW-5 Dup	water	2004-11-22	11:30	2004-11-24
49197	40299-00002-MW-9	water	2004-11-22	12:15	2004-11-24
49198	Equipment Blank	water	2004-11-22	11:20	2004-11-24
49199	40299-00002-MW-10	water	2004-11-22	13:10	2004-11-24
49200	40299-00002-MW-7	water	2004-11-22	13:45	2004-11-24
49201	Trip Blank	water	2004-11-22	00:00	2004-11-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 49194 - 40299-00002-MW-3-

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	14439	Date Analyzed:	2004-12-03	Analyzed By:	MT
Prep Batch:	12755	Date Prepared:	2004-12-03	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0974	mg/L	1	0.100	97	72.9 - 121
4-Bromofluorobenzene (4-BFB)	[1]	0.0705	mg/L	1	0.100	70	77.8 - 119

Sample: 49194 - 40299-00002-MW-3-

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14300	Date Analyzed:	2004-11-24	Analyzed By:	WB
Prep Batch:	12632	Date Prepared:	2004-11-29	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		156	mg/L	50	0.500

Sample: 49195 - 40299-00002-MW-5

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	14439	Date Analyzed:	2004-12-03	Analyzed By:	MT
Prep Batch:	12755	Date Prepared:	2004-12-03	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0960	mg/L	1	0.100	96	72.9 - 121
4-Bromofluorobenzene (4-BFB)	[2]	0.0674	mg/L	1	0.100	67	77.8 - 119

Sample: 49195 - 40299-00002-MW-5

[1]Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.
[2]Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14300	Date Analyzed:	2004-11-24	Analyzed By:	WB
Prep Batch:	12632	Date Prepared:	2004-11-29	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		30.3	mg/L	5	0.500

Sample: 49196 - 40299-00002-MW-5 Dup

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	14439	Date Analyzed:	2004-12-03	Analyzed By:	MT
Prep Batch:	12755	Date Prepared:	2004-12-03	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0955	mg/L	1	0.100	96	72.9 - 121
4-Bromofluorobenzene (4-BFB)	[3]	0.0645	mg/L	1	0.100	64	77.8 - 119

Sample: 49196 - 40299-00002-MW-5 Dup

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14300	Date Analyzed:	2004-11-24	Analyzed By:	WB
Prep Batch:	12632	Date Prepared:	2004-11-29	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		30.4	mg/L	5	0.500

Sample: 49197 - 40299-00002-MW-9

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	14439	Date Analyzed:	2004-12-03	Analyzed By:	MT
Prep Batch:	12755	Date Prepared:	2004-12-03	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

[3]Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0958	mg/L	1	0.100	96	72.9 - 121
4-Bromofluorobenzene (4-BFB)	[4]	0.0660	mg/L	1	0.100	66	77.8 - 119

Sample: 49197 - 40299-00002-MW-9

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14300	Date Analyzed:	2004-11-24	Analyzed By:	WB
Prep Batch:	12632	Date Prepared:	2004-11-29	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		104	mg/L	10	0.500

Sample: 49198 - Equipment Blank

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	14439	Date Analyzed:	2004-12-03	Analyzed By:	MT
Prep Batch:	12755	Date Prepared:	2004-12-03	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0949	mg/L	1	0.100	95	72.9 - 121
4-Bromofluorobenzene (4-BFB)	[5]	0.0639	mg/L	1	0.100	64	77.8 - 119

Sample: 49199 - 40299-00002-MW-10

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	14439	Date Analyzed:	2004-12-03	Analyzed By:	MT
Prep Batch:	12755	Date Prepared:	2004-12-03	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

[4]Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.
[5]Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0955	mg/L	1	0.100	96	72.9 - 121
4-Bromofluorobenzene (4-BFB)	[6]	0.0631	mg/L	1	0.100	63	77.8 - 119

Sample: 49199 - 40299-00002-MW-10

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14300	Date Analyzed:	2004-11-24	Analyzed By:	WB
Prep Batch:	12632	Date Prepared:	2004-11-29	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		26.8	mg/L	50	0.500

Sample: 49200 - 40299-00002-MW-7

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	14439	Date Analyzed:	2004-12-03	Analyzed By:	MT
Prep Batch:	12755	Date Prepared:	2004-12-03	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0956	mg/L	1	0.100	96	72.9 - 121
4-Bromofluorobenzene (4-BFB)	[7]	0.0638	mg/L	1	0.100	64	77.8 - 119

Sample: 49200 - 40299-00002-MW-7

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14300	Date Analyzed:	2004-11-24	Analyzed By:	WB
Prep Batch:	12632	Date Prepared:	2004-11-29	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		47.6	mg/L	5	0.500

Sample: 49201 - Trip Blank

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	14439	Date Analyzed:	2004-12-03	Analyzed By:	MT

[6]Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.
[7]Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Prep Batch: 12755 Date Prepared: 2004-12-03 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0967	mg/L	1	0.100	97	72.9 - 121
4-Bromofluorobenzene (4-BFB)	[8]	0.0672	mg/L	1	0.100	67	77.8 - 119

Method Blank (1) QC Batch: 14300

Parameter	Flag	Result	Units	RL
Chloride		<0.500	mg/L	0.5

Method Blank (1) QC Batch: 14439

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0971	mg/L	1	0.100	97	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.0685	mg/L	1	0.100	68	52.4 - 113

Laboratory Control Spike (LCS-1) QC Batch: 14300

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	12.1	12.1	mg/L	1	12.5	<0.337	97	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 14439

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0910	0.0913	mg/L	1	0.100	<0.000136	91	0	72.8 - 113	8.8

continued ...

[8]Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

control spikes continued . . .

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Toluene	0.0908	0.0923	mg/L	1	0.100	<0.000247	91	2	75.2 - 112	8.8
Ethylbenzene	0.0954	0.0958	mg/L	1	0.100	<0.000550	95	0	81 - 112	9.4
Xylene	0.308	0.310	mg/L	1	0.300	<0.00156	103	0	82.9 - 119	8

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0947	0.0957	mg/L	1	0.100	95	96	72.9 - 121
4-Bromofluorobenzene (4-BFB)	0.105	0.106	mg/L	1	0.100	105	106	77.8 - 119

Matrix Spike (MS-1) QC Batch: 14300 Spiked Sample: 49200

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride [9,10]	116	118	mg/L	5	12.5	47.6	109	2	84.7 - 100.6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1) QC Batch: 14300

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.2	98	90 - 110	2004-11-24

Standard (CCV-1) QC Batch: 14300

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.1	97	90 - 110	2004-11-24

Standard (ICV-1) QC Batch: 14439

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0919	92	85 - 115	2004-12-03
Toluene		mg/L	0.100	0.0921	92	85 - 115	2004-12-03
Ethylbenzene		mg/L	0.100	0.0966	97	85 - 115	2004-12-03
Xylene		mg/L	0.300	0.312	104	85 - 115	2004-12-03

Standard (CCV-1) QC Batch: 14439

[9]Matrix spike difficulties.
[10]Matrix spike difficulties RPD is good.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0883	88	85 - 115	2004-12-03
Toluene		mg/L	0.100	0.0867	87	85 - 115	2004-12-03
Ethylbenzene		mg/L	0.100	0.0909	91	85 - 115	2004-12-03
Xylene		mg/L	0.300	0.294	98	85 - 115	2004-12-03

Standard (CCV-2) QC Batch: 14439

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0914	91	85 - 115	2004-12-03
Toluene		mg/L	0.100	0.0925	92	85 - 115	2004-12-03
Ethylbenzene		mg/L	0.100	0.0941	94	85 - 115	2004-12-03
Xylene		mg/L	0.300	0.306	102	85 - 115	2004-12-03

Page _____ of _____

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1 (800) 378-1296
email: lab@traceanalysis.com

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El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 4112418

Company Name: TRC Environmental Corp — Phone #: (713) 821-6087
Address: (Street, City, Zip) 2313 W. SAM Houston Pkwy N. SUITE 107 Houston TX 77043 — Fax #: — e-mail:
Contact Person: Brett Neff
Invoice to: (If different from above) J. Careen @ Kinder Morgan
Project #: 40299-0002-00002 — Project Name: Hobbs NM
Project Location: Hobbs NM — Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
49199	40299-0002-00003-MW-10	2	40ml	X									X	11-22-04	1310
	40299-0002-00002-MW-10	1	250ml	X									X	11-22-04	1310
200	40299-0002-00003-MW-7	2	40ml	X									X	11-22-04	1345
	40299-0002-00002-MW-7	1	250ml	X									X	11-22-04	1345
201	Trip blank	2	40ml					X						11-22-04	NA

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	TX 1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol 8260B/624	GC/MS Semi Vol 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD TSS pH	Moisture Content	Total Chlorides			Turn Around Time if different from standard	Hold
	X																X				
																	X				
X																					
																	X				
X																					

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	11-22-04	1515			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by: Vicki Dewey	11-24-04	10:43

LAB USE ONLY
Intact Y / N
Headspace Y / N
Temp 4 °
Log-in Review

REMARKS:

☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

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LAB Order ID # 4112418

Company Name: TRC Environmental Corp Phone #: (713) 821-6087
Address: (Street, City, Zip) 2313 W. Sam Houston Pkwy. N Suite 107, Houston, TX 77043 Fax #:
Contact Person: Brett Neff
Invoice to: (If different from above) Pls. bill to J. Greer @ Kinder Morgan
Project #: 40299-0002-00002 Project Name: Hobbs
Project Location: Hobbs, NM Sampler Signature: [signature]

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol 8260B/624	GC/MS Semi Vol 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	TOTAL Chlorides	Turn Around Time if different from standard	Hold
49194	40299-0002-00002 MW-3	2	40ml	X									X	11-2204	1055		X																
	40299-0002-00002 MW-3	1	250ml	X									X	11-2204	1055																X		
95	40299-0002-00002 MW-5	2	40ml	X									X	11-2204	1130		X																
	40299-0002-00002 MW-5	1	250ml	X									X	11-2204	1130																X		
96	40299-0002-00002 MW-5 Dup	2	40ml	X									X	11-22-04	1130		X																
	40299-0002-00002 MW-5 Dup	1	250ml	X									X	11-22	1130																X		
97	40299-0002-00002 MW-9	2	40ml	X									X	11-22	1215		X																
	40299-0002-00002 MW-9	1	250ml	X									X	11-22	1215																X		
98	Eqpt blank	2	40ml	X									X	11-22	~~1140~~ 1120		X																

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	11-22-04	1515			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by: [signature]	11-24-04	10:43

LAB USE ONLY
Intact (Y) / N
Headspace Y / N
Temp 4°
Log-in Review [initials]

REMARKS: MW-5 duplicate

☐ Check If Special Reporting Limits Are Needed

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Company Name: TRC Environmental Corp Phone #: (713) 821-6087

Address: (Street, City, Zip) 2313 W. Sam Houston Pkwy. N Suite 107, Houston, TX 77043 Fax #:

Contact Person: Brett Neff

Invoice to: (If different from above) Pls bill to H. Green @ Kinder Morgan

Project #: 40299-0002-00002 Project Name: Hobbs

Project Location: Hobbs, NM Sampler Signature:

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	TOTAL Chlorides					Turn Around Time if different from standard	Hold
49194	40299-0002-00002 MW-3	2	40ml	X									X	11-22-04	1055		X														X						
	40299-0002-00002 MW-3	1	250ml	X									X	11-22-04	1055																X						
95	40299-0002-00002 MW-5	2	40ml	X									X	11-22-04	1130		X														X						
	40299-0002-00002 MW-5	1	250ml	X									X	11-22-04	1130																X						
96	40299-0002-00002 MW-5 Dup	2	40ml	X									X	11-22-04	1130		X														X						
	40299-0002-00002 MW-5 Dup	1	250ml	X									X	11-22	1130																X						
97	40299-0002-00002 MW-9	2	40ml	X									X	11-22	1215		X														X						
	40299-0002-00002 MW-9	1	250ml	X									X	11-22	1215																X						
98	Eqpt blank	2	40ml	X									X	11-22	~~1115~~ 1120		X																				

Relinquished by: Date: Time: 11-22-04 1515

Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

Relinquished by: Date: Time:

Received at Laboratory by: Vicki Chan Date: 11-24-04 Time: 10:43

REMARKS: MW-5 duplicate

LAB USE ONLY

Intact Y / N

Headspace Y / N

Temp 4 °

Log-in Review

☐ Check If Special Reporting Limits Are Needed 12/7 GD

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Fax #:
e-mail:
Contact Person: Brett Neff
Invoice to: (If different from above) J. Carver @ Kinder Morgan
Project #: 40299-0002-00002
Project Name: Hobbs NM
Project Location: Hobbs NM
Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
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	40299-0002-00002-MW-10	1	250ml	X									X	11-22-04	1310
200	40299-0002-00002 MW-7	2	40ml	X									X	11-22-04	1345
	40299-0002-00002 MW-7	1	250ml	X									X	11-22-04	1345
201	Trip blank	2	40ml					X						11-22-04	NA

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	TX 1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content	Total Chlorides	Turn Around Time if different from standard	Hold
	X																X		
																	X		
	X																		
																	X		
	X																		

Relinquished by: Date: 11-22-04 Time: 1515
Received by: Date: Time:
Relinquished by: Date: Time:
Received by: Date: Time:
Relinquished by: Date: Time:
Received at Laboratory by: Vicki Dewey Date: 11.24.04 Time: 10:43

LAB USE ONLY
Intact Y / N
Headspace Y / N
Temp 4 °
Log-in Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

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TRC

Customer-Focused Solutions

KINDER MORGAN
ENERGY PARTNERS, L.P.

February 24, 2003

Mr. Wayne Price
New Mexico Oil Conversation Division
2040 S. Pacheco
Santa Fe, New Mexico 87505

Re: Former Hobbs Gas Plant – GW-191
2002 Annual Groundwater Monitoring Report
Lea County, New Mexico

Dear Mr. Price:

Enclosed please find the 2002 Annual Groundwater Monitoring Report for the above referenced facility.

If you have any questions or require additional information, please contact me at (713) 369-9193.

Sincerely,
KINDER MORGAN, INC.

John M. Greer
Manager, Environmental Remediation

cc: Ms. Donna Williams – New Mexico OCD – Hobbs
Jim Berry Andrews - Xcel Energy

Eco-logical
Environmental Services Inc.

2002 ANNUAL GROUNDWATER MONITORING REPORT

DISCHARGE PLAN GW-191

FORMER HOBBS GAS PLANT
LEA COUNTY, NEW MEXICO

KINDER MORGAN, INC.
ONE ALLEN CENTER
500 DALLAS STREET, SUITE 1000
HOUSTON, TEXAS 77002

2200 Market Street 79703 • (915) 520-7535 • FAX (915) 520-7737

2002 ANNUAL GROUNDWATER MONITORING REPORT DISCHARGE PLAN GW-191

FORMER HOBBS GAS PLANT HOBBS, NEW MEXICO

DATE PREPARED:
FEBRUARY 15, 2002

ECO-LOGICAL PROJECT NO.
279-512

PREPARED FOR:
NEW MEXICO OIL CONSERVATION DIVISION

ON BEHALF OF:
KINDER MORGAN, INC.

PREPARED BY:
ECO-LOGICAL ENVIRONMENTAL SERVICES, INC.

Shane Estep, Project Manager

Scott Springer, Project Geologist

Table of Contents

Table of Contents – Continued

1.0 EXECUTIVE SUMMARY

The main objective of the semi-annual groundwater sampling event is to evaluate the concentration and distribution of dissolved phase hydrocarbons, and to monitor any changes from the baseline condition as determined from previous sampling events at the facility. The purpose of this report is to fulfill the requirements of the groundwater monitoring plan approved by the New Mexico Oil Conservation Division (OCD). This report covers the semi-annual groundwater monitoring and sampling events conducted during 2002.

The Abatement Plan was modified in December 1998 and December 2000. Modifications to the plan removed monitor wells MW-2, MW-4 and MW-8 from the requirements of sampling and changed the quarterly sampling to semi-annual sampling.

A total of ten (10) monitor wells are present at the site with eight (8) of the wells being inside the plant property and two (2) located outside the southwestern area of the former plant site.

The plant has not been in operation for over six (6) years. In the summer of 2000 all equipment belonging to Kinder Morgan, Inc (KMI) was removed. The remaining equipment and structures have been sold to Transwestern Pipeline Company and are inactive at this time.

The latest analytical results showed that benzene levels in monitor well MW-7 were present above the New Mexico Water Quality Control Commission (WQCC) Guideline level of 0.01 parts per million (ppm), at the concentration of 0.414 ppm in March and 0.750 ppm in August. Prior to the October 2001 sampling event benzene had not been detected in monitor well MW-7. Monitor well MW-6 has been dry since the October 2001 sampling event.

During the March sampling event all sampled wells revealed some level of benzene with the exception of MW-3 which was non-detect. Monitor wells MW-3, MW-7, MW-9 and MW-10 were sampled during this sampling event. MW-9 and MW-10 exhibited benzene levels slightly above 0.004 ppm including the duplicate sample of MW-9 but MW-7 was the only monitor well to exceed the WQCC guidelines for benzene.

During the August sampling event monitor wells MW-7, MW-9 and MW-10 were sampled, the remaining wells did not contain enough water to sample. Monitor well MW-9 contained benzene at a concentration of 0.0022 ppm which is below the WQCC guidelines. Monitor well MW-7 contained benzene at a concentration of 0.750 ppm which is above the WQCC guidelines. Five (5) monitor wells MW-1, MW-3, MW-4, MW-5 and MW-6 were dry during this sampling event.

The chloride levels in monitor well MW-9 have remained below the established guidelines (20 NMAC 6.2.3103) of 250 ppm for the last two and one half (2.5) years.

2.0 FIELD PROCEDURES AND DATA

The initial task was to detect the static groundwater levels relative to the north side of the top of each monitor well casing and to examine each monitor well for the presence of PSH using an interface probe with a calibrated tape (Table 1). Monitor wells were measured from the least impacted to the most impacted as determined by previous sampling events and field observations. All equipment was properly decontaminated between gauging of monitor wells.

At the time of the March sampling event the depth to the static groundwater surface at the site ranged from 59.67 to 66.99 feet below the ground surface. Monitor wells MW-1, MW-2, MW-5 and MW-6 had a static water level measurement of approximately 0.5 inches above the bottom of the well casing indicating that water is trapped in the bottom cap and that the actual water level has dropped below the screened interval of the casing. No measurable water was found in the MW-4. During this sampling event monitor wells MW-3, MW-7, MW-9 and MW-10 were sampled.

At the time of the August sampling event the depth to the static groundwater surface at the site ranged from 59.76 to 67.23 feet below the ground surface. Monitor wells MW-1, MW-2, MW-3, MW-5 and MW-6 had a static water level measurement of approximately 0.5 inches above the bottom of the well casing indicating that water is trapped in the bottom cap and that the actual water level has dropped below the screened interval of the casing. No measurable water was found in the MW-4. During this sampling event monitor wells MW-7, MW-9 and MW-10 were sampled.

After obtaining all measurements, the volume of water in each casing was calculated. These wells were then purged by hand bailing or using a submersible electric pump system that was washed and rinsed before and after each use. The wells were purged until three (3) well volumes were retrieved or until dry. After allowing the wells to recover to within 70 percent of the original depths, samples were collected using a new, single use, one (1) liter bailer.

Groundwater samples were then submitted to TraceAnalysis in Lubbock, Texas for analysis. Based on previous analytical results and as approved by the OCD Discharge Plan #GW-191 dated March 23, 2001, a minimized analytical schedule was performed. All monitor wells sampled were analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) by EPA SW846-8021B. Monitor wells MW-7, MW-9 and MW-10 were also analyzed for total chlorides.

Each sample collected for chlorides was placed into one (1) 250 ml plastic jar with no preservative and each sample collected for BTEX was placed into two (2) VOA jars with Teflon lids preserved with hydrochloric acid. Samples were labeled with the sample identification, job name, sample location, sampler name, preservative, and sample date. This information was transferred to a chain-of-custody (COC). After sampling, the jars were placed on ice and maintained at 4° Celsius.

A summary of groundwater analytical results are presented in Tables 13 through 22. Hydrocarbon distribution maps are presented in Figures 5 through 6. Copies of the certified laboratory reports and COC documentation for the monitor period are presented in Sections 4 and 5.

3.0 CHRONOLOGY OF EVENTS

The Oil Conservation Division (OCD) of New Mexico inspected the plant on October 16, 1995, and noted several deficiencies. The deficiencies, and the related directives, were detailed in a letter issued by OCD on December 6, 1995. The letter was issued under OCD statutory authority and requires that KN Energy undertake and complete certain activities to fulfill OCD requirements. Previous activities undertaken by KN Energy and the substance of activities reflected in this report, are to fulfill the requirements directed by OCD. The following chronology briefly summarizes the relevant activities conducted at the facility:

1994	KN Energy took possession of the plant in 1994 following a merger with American Oil and Gas.
Dec. 6, 1995	OCD directive issued to KN Energy on the initial items requiring action as a result of the Oct. 16, 1995 inspection.
Jan. 26, 1996	KN Energy initial response to OCD directive.
Jan. 30, 1996	Work Plan for soils delineation submitted with the inclusion that one monitor well would be installed if impacted soil was discovered within ten feet of the groundwater.
Mar. 27, 1996	Delineation Work Plan approved by OCD with report due July1, 1996.
June 6, 1996	Soils Delineation Investigation Report filed with scope of work for extended Groundwater Delineation included.
Sept. 26, 1996	Directive received from OCD requiring the full delineation work plan of all contamination at the site including groundwater be submitted for approval.
Oct. 9, 1996	Work Plan for groundwater delineation filed as per the Sept. 26, 1996 OCD directive.
Oct. 15, 1996	Approval of groundwater delineation work plan received from OCD.
Dec. 11, 1996	KN announces impending closure of plant. Eco-logical submits requests for extension of time and change from Discharge Permit to Closure Plan, with the installation of additional monitor wells.
Dec. 17, 1996	OCD approves request for extension of time and the additional monitor wells.
Jan. 14, 1997	Additional groundwater monitoring well installed, and Abatement Plan and Closure Plan Report were submission to OCD as per Dec. 17, 1996 OCD directive.

Feb. 7, 1997	Phone conference held with OCD, Eco-logical and KN personnel to discuss results of report and proposed work plan.
Feb. 25, 1997	After review of Abatement Plan and phone conference, OCD issued a directive stating that the existing monitor wells also be tested for the entire suite of 20 NMAC 6.2.3103 constituents excluding uranium, radioactivity and PCB's, and additional wells be installed to define the points of compliance in the groundwater. An update/amendment report to be submitted by May 25, 1997.
March 13, 1997	Response to Feb. 1997 OCD letter submitted outlining the points to be followed in the extended delineation work plan.
April 1997	Three additional monitor wells installed and a quarterly sampling and monitoring event occurs.
May 10, 1997	Submission of updated Abatement Report filed with OCD as per the February. 25, 1997 directive.
June 26, 1997	OCD approves the updated Abatement Report including reducing the testing to BTEX, Naphthalene, and Chlorides, and that an annual report be submitted by June 1, 1998.
July 1997	Quarterly Sampling and Monitoring Event.
Oct. 1997	Quarterly Sampling and Monitoring Event.
October 1997	Sump, Cryoskid, Flare Pit, and Compressor soils excavated and stock piled prior to remediation pursuant to the approved Stage 1 Abatement Plan and Site Closure Plan dated January 14, 1997.
November 1997	Initial Treatment of excavated soils performed.
January 1998	Quarterly Sampling and Monitoring Event.
March 1998	Submission of Annual Groundwater Sampling Report to the OCD, with a recommendation to stop testing for Naphthalene and discontinue sampling of MW-2, MW-4 and MW-8.
April 3, 1998	Quarterly Sampling and Monitoring Event.
June 25, 1998	Quarterly Sampling and Monitoring Event. Impacted stockpiled soil retreated.

October 2, 1998	Quarterly Sampling and Monitoring Event. Stock piled soil tested below OCD levels.
November 1998	Backfilling of excavations performed.
December 1998	OCD contacted by Eco-logical regarding January 1998 Annual Groundwater Report and Reduced Analyses Plan. OCD approved reduced analyses in letter dated December 15, 1998.
January 1999	Quarterly Sampling and Monitoring Event.
April 1999	Quarterly Sampling and Monitoring Event.
July 1999	Quarterly Sampling and Monitoring Event.
October 1999	Quarterly Sampling and Monitoring Event.
October 1999	K N Energy, Inc. changed name to Kinder Morgan, Inc. (Parent company of American Processing, L.P.)
January 2000	Quarterly Sampling and Monitoring Event.
April 2000	Quarterly Sampling and Monitoring Event.
June 2000	Removal of all KMI Equipment.
July 2000	Quarterly Sampling and Monitoring Event.
October 2000	Quarterly Sampling and Monitoring Event.
Dec. 4, 2000	KMI issued letter to OCD to renew Discharge Plan GW191 and proposes a reduction in groundwater sampling freqency for the year 2001. The selected monitor wells will be sampled the first and third quarters of the year.
January 24, 2001	Sampling and Monitoring Event Conducted.
February 2001	2000 Annual Report.
March 23, 2001	OCD issues Discharge Plan Renewal, GW-191
October 18, 2001	Sampling and Monitoring Event Conducted.
March 19, 2002	Sampling and Monitoring Event Conducted.

July 22, 2002	2001 Annual Report.
August 13, 2002	Sampling and Monitoring Event Conducted.

4.0 CONCLUSIONS

The plant operations have ceased at the site and the sources that may have caused the impacts to the groundwater have been removed. In addition, the removed impacted soils have been remediated to meet WQCC Guideline levels and have been returned to the excavations per the Soils Work Plan approved in January 1996. One (1) of the ten (10) monitor wells (MW-7) at the Former Hobbs Gas Plant has shown dissolved phase hydrocarbons (benzene) at levels above the OCD Guidelines throughout the year.

- Twenty (20) groundwater monitoring and sampling events have been conducted at this site.
- Groundwater has dropped an average of 6.0 feet since the first sampling event of October 1996.
- During the year dissolved phase hydrocarbons have been detected above OCD Guidelines in one (1) of the ten (10) monitor wells at the site (MW-7) however, no free-phase hydrocarbons have been observed at the site.
- Only MW-6 has consistently contained concentrations of benzene above the WQCC Guideline level. As of the October 2001 sampling event, monitor well MW-6 was dry. The highest concentration down-gradient from the source is in monitor well MW-7 at a concentration of 0.750 ppm. Benzene concentration in MW-7 has been above WQCC Guideline level for the last three (3) sampling events.
- Soil cleanup objectives of the January 1997 Abatement and Closure plan have been met.

The level of benzene in MW-6 has been above the WQCC Guideline level of 0.01 ppm, but has been consistently declining. Monitor well MW-6 has been dry since the October 2001 sampling event. The level of benzene in MW-7 has been consistently increasing since it first appeared in October 2001 sampling event. Chloride levels present in MW-9 have decreased to below WQCC levels in the last six (6) sampling events. Based on interviews with American Processing personnel no source of the chloride can be placed on former operations of the plant. The source of the chloride is not known and is **not** believed to be from the plant.

The semi-annual monitoring plan approved by the OCD in March 23, 2001 and the OCD Discharge Plan Renewal will be continued in 2003.

5.0 QUALITY ASSURANCE / QUALITY CONTROL PROCEDURES

Field quality assurance/quality control (QA/QC) measures consisted of equipment decontamination, use of disposable sampling equipment, calibration of field instruments, ensuring that the samples were analyzed within the EPA holding times, documentation of work activities in a bound logbook, and adherence to strict chain-of-custody protocol. The laboratory QA/QC measures were based on guidance published in the most current edition of the EPA Test Methods for Evaluating Solid Waste SW-846.

5.1 Trip Blanks

Trip blanks were analyzed for BTEX to detect potential cross contamination of constituents between aqueous samples during shipment. Both trip blank analytical results for the year were non-detect.

5.2 Field Duplicates

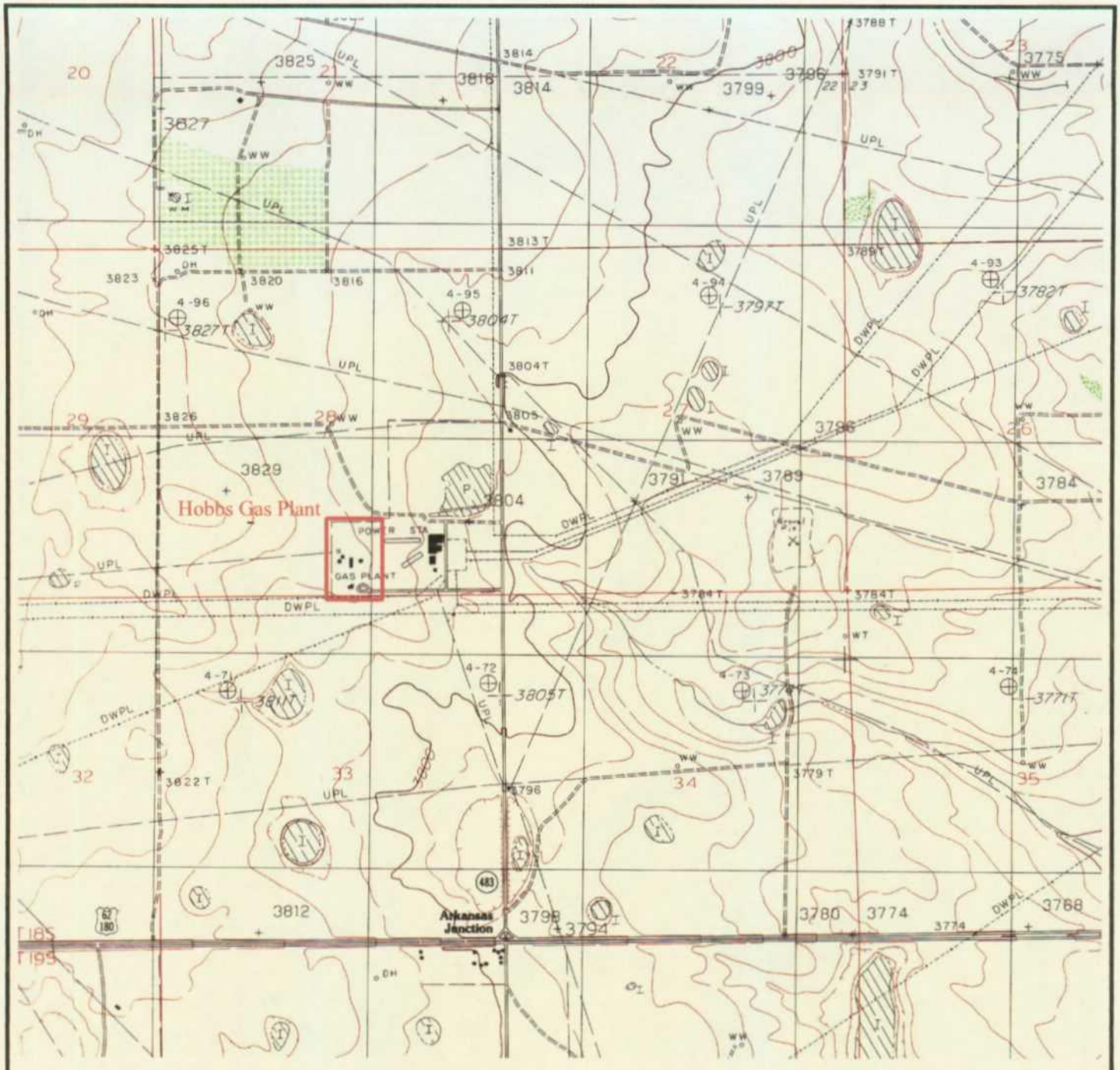
Duplicate sample of monitoring well MW-9 during the August sampling event was collected to provide a check on the precision of the laboratory techniques. Test results of the duplicate sample are within 4.4% of the original sample for total BTEX.

Sample	Benzene	Toluene	Ethyl benzene	Xylene	BTEX	Test Method
MW-9	0.0046	<0.005	<0.005	<0.005	0.0046	EPA 8021B
MW-9D	0.0044	<0.005	<0.005	<0.005	0.0044	EPA 8021B

Reported laboratory quality control parameters do not appear to indicate suspect results. No damaged or compromised containers were noted. No unusual relative percent difference (RPD) results were noted.

5.3 Holding Time Limits

Holding times before extraction and analysis are specified in Test Methods for Evaluating Solid Waste Physical / Chemical Methods, SW-846 by EPA. All laboratory analysis was preformed within specified holding times.



SCALE 1:24000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

Site Location

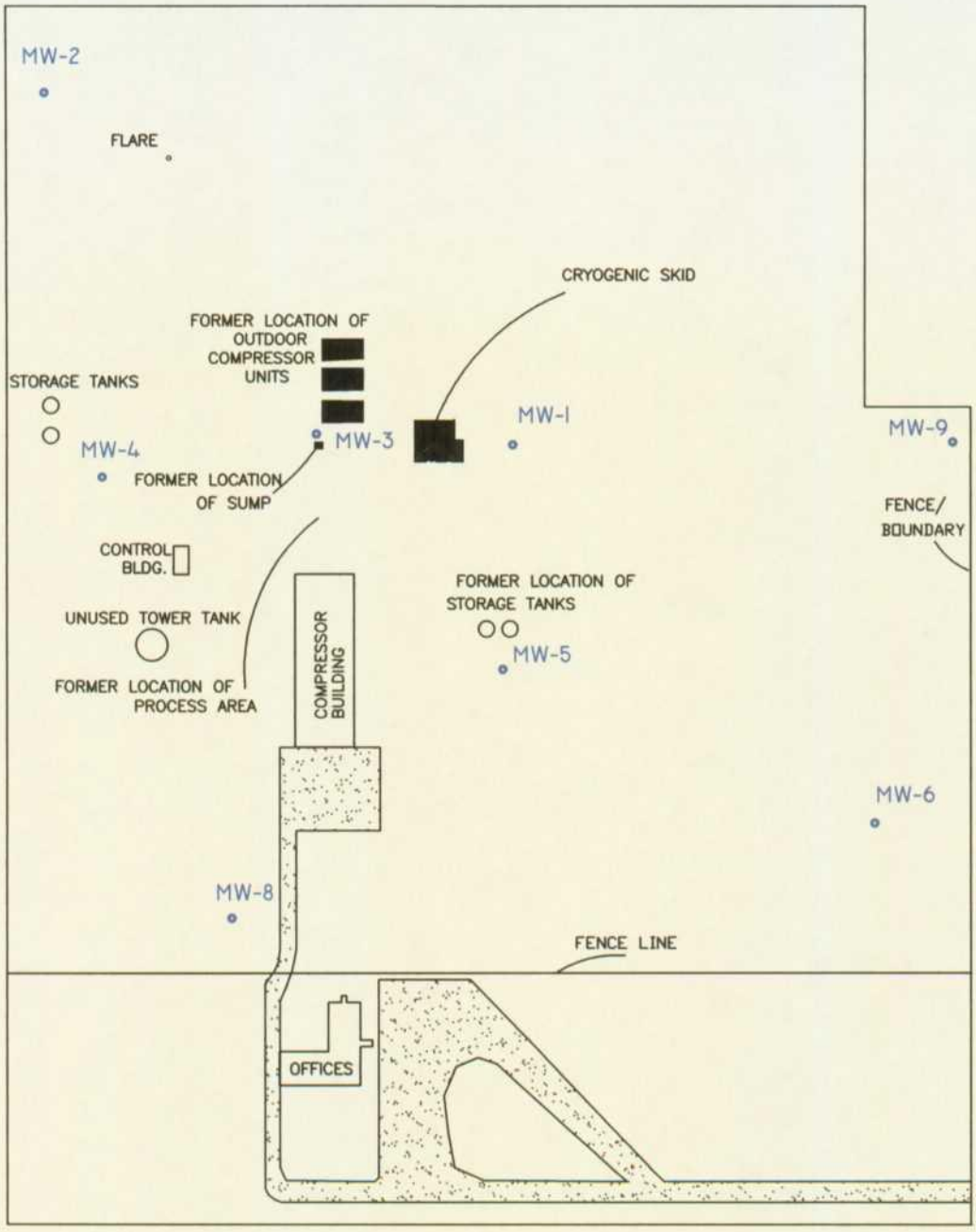
SITE COORDINATES: 24.08 ACRES IN SECTION 28, T18S, R36E, LEA COUNTY, NEW MEXICO
Source: Monument North, NM / Lea County, 1985
Project #: 279 / 512 Date: July 8, 1999

FIGURE 1

GENERAL SITE LOCATION MAP
HOBBS NATURAL GAS PLANT
LEA COUNTY, NEW MEXICO

PREPARED BY

Eco-logical
Environmental Services Inc.



SITE MAP - 2001

KINDER MORGAN, INC.- HOBBS GAS PLANT

HOBBS, LEA COUNTY, NEW MEXICO

N

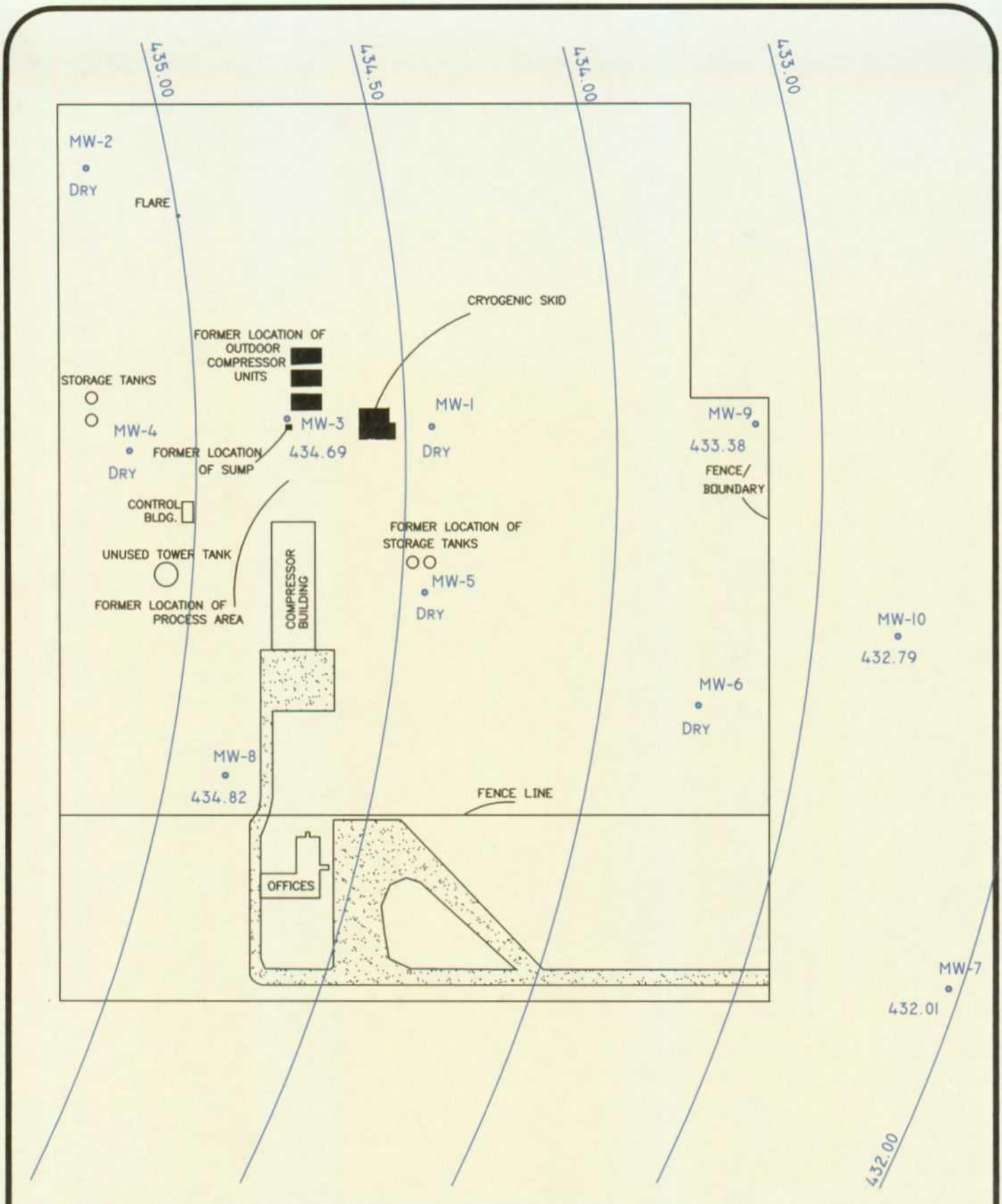
SCALE

0' 50' 100'

○ MONITOR WELLS

Eco-logical Environmental Services Inc.

FIGURE 2



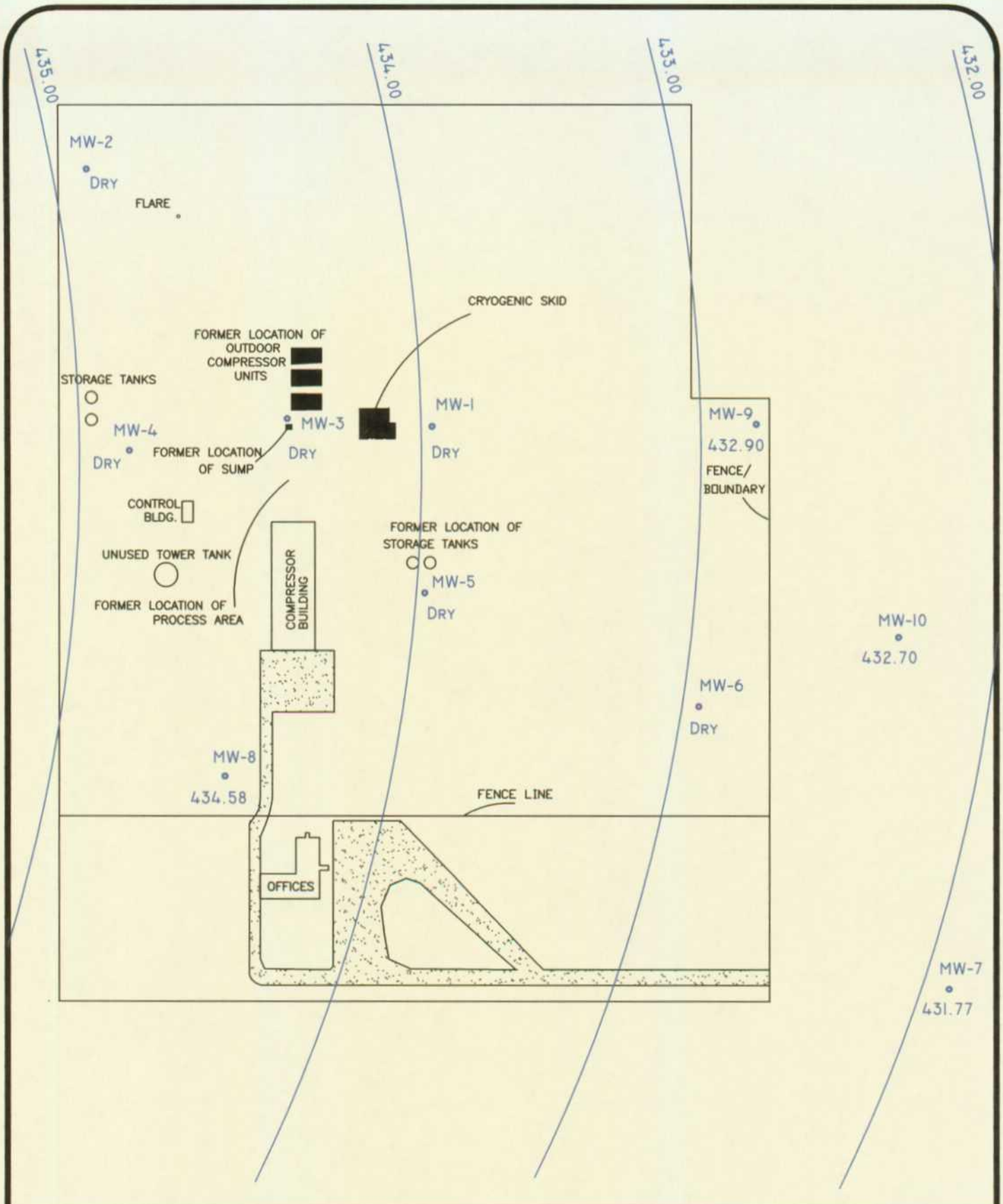
GROUNDWATER GRADIENT MAP - MARCH 2002

KINDER MORGAN, INC.- HOBBS GAS PLANT

HOBBS, LEA COUNTY, NEW MEXICO

Eco-logical Environmental Services Inc.

FIGURE 3



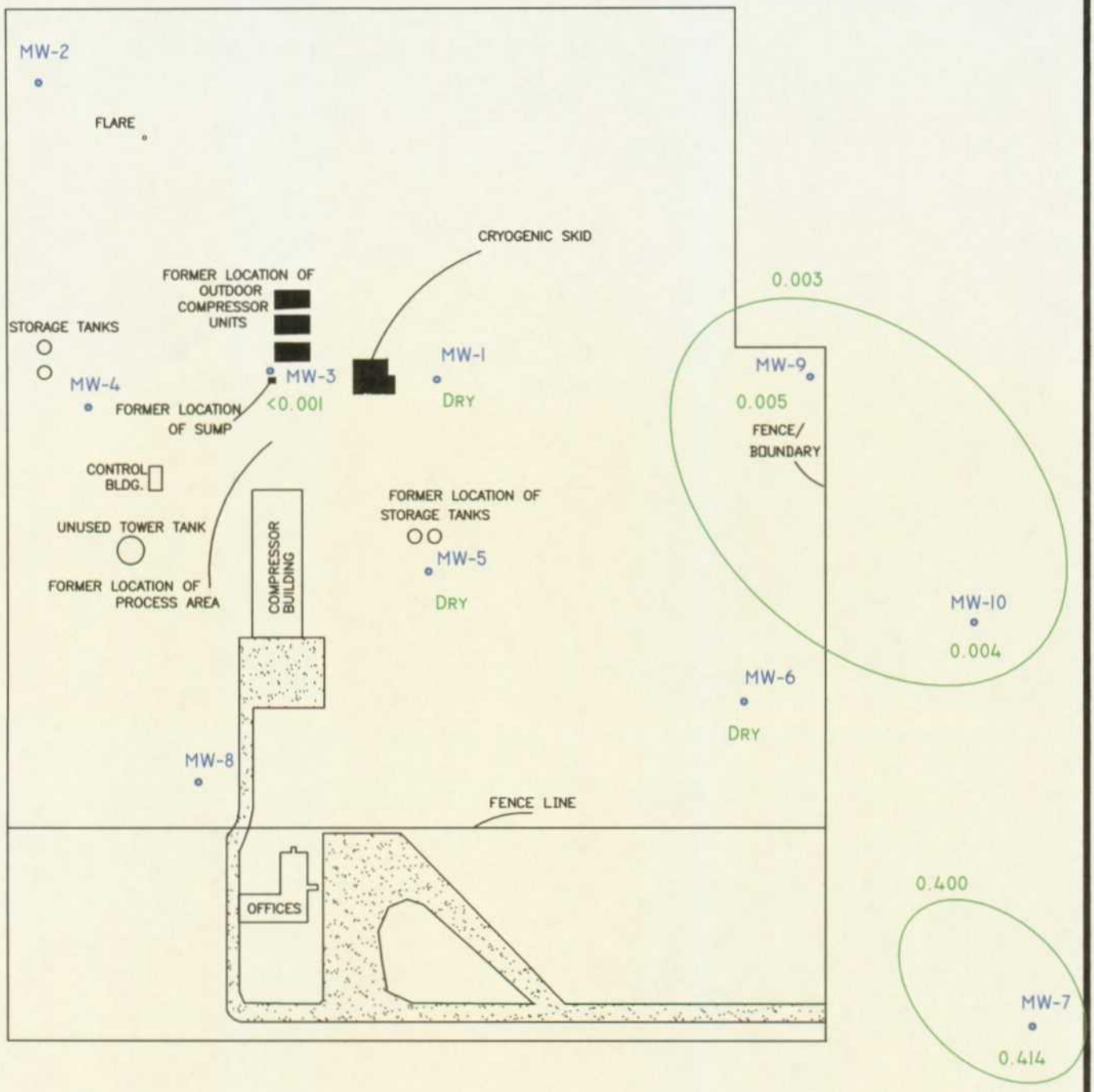
GROUNDWATER GRADIENT MAP - AUGUST 2002

KINDER MORGAN, INC.- HOBBS GAS PLANT

HOBBS, LEA COUNTY, NEW MEXICO

Eco-logical Environmental Services Inc.

FIGURE 4



SCALE

0' 50' 100'

BENZENE ISOGRAD MAP - MARCH 2002

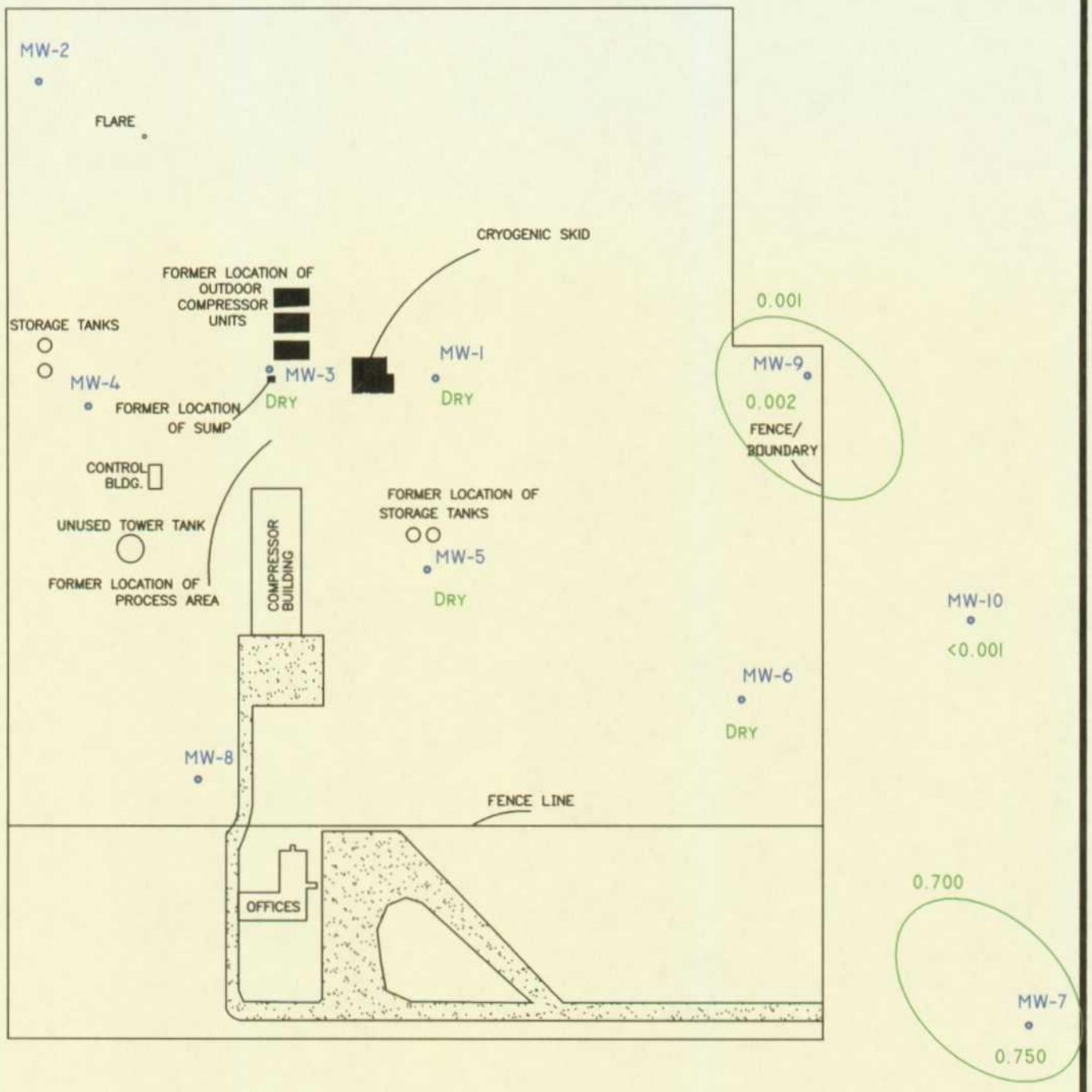
KINDER MORGAN, INC.- HOBBS GAS PLANT

HOBBS, LEA COUNTY, NEW MEXICO

• MONITOR WELLS

Eco-logical Environmental Services Inc.

FIGURE 5



SCALE

0' 50' 100'

BENZENE ISOGRAD MAP - AUGUST 2002
KINDER MORGAN, INC.- HOBBS GAS PLANT
HOBBS, LEA COUNTY, NEW MEXICO

• MONITOR WELLS

Eco-logical Environmental Services Inc.

FIGURE 6

Table 1

March Groundwater / Product Levels

Date	Monitor Well	TOC Elevation Feet	TD Feet	Depth to PSH Feet	Depth to GW Feet	GW Elevation Corrected for PSH Feet
March 19, 2002	MW-1	495.73	60.24	0.00	Dry	Dry
March 19, 2002	MW-2	502.41	62.60	0.00	Dry	Dry
March 19, 2002	MW-3	499.13	65.18	0.00	64.44	434.69
March 19, 2002	MW-4	501.12	64.86	0.00	Dry	Dry
March 19, 2002	MW-5	500.84	65.00	0.00	Dry	Dry
March 19, 2002	MW-6	496.27	62.70	0.00	Dry	Dry
March 19, 2002	MW-7	495.44	69.80	0.00	63.43	432.01
March 19, 2002	MW-8	501.81	70.35	0.00	66.99	434.82
March 19, 2002	MW-9	496.85	67.30	0.00	63.47	433.38
March 19, 2002	MW-10	492.46	66.80	0.00	59.67	432.79

A specific gravity of 0.73 was assumed to correct GW elevation in the presence of PSH

Table 2

August Groundwater / Product Levels

Date	Monitor Well	TOC Elevation Feet	TD Feet	Depth to PSH Feet	Depth to GW Feet	GW Elevation Corrected for PSH Feet
August 14, 2002	MW-1	495.73	60.24	0.00	Dry	Dry
August 14, 2002	MW-2	502.41	62.60	0.00	Dry	Dry
August 14, 2002	MW-3	499.13	65.18	0.00	Dry	Dry
August 14, 2002	MW-4	501.12	64.86	0.00	Dry	Dry
August 14, 2002	MW-5	500.84	65.00	0.00	Dry	Dry
August 14, 2002	MW-6	496.27	62.70	0.00	Dry	Dry
August 14, 2002	MW-7	495.44	69.80	0.00	63.67	431.77
August 14, 2002	MW-8	501.81	70.35	0.00	67.23	434.58
August 14, 2002	MW-9	496.85	67.30	0.00	63.95	432.9
August 14, 2002	MW-10	492.46	66.80	0.00	59.76	432.7

A specific gravity of 0.73 was assumed to correct GW elevation in the presence of PSH

Table 3

Historic Groundwater / Product Levels

Monitor Well #1

Screened Interval - 436.70' to 456.70'

Date	TOC Elevation Feet	Depth to PSH Feet	Depth to GW Feet	Product Thickness Feet	Adjusted Thickness Feet	GW Elevation Corrected for PSH Feet
September 17, 1996	495.73	0.00	53.10	0.00	0.00	442.63
October 23, 1996	495.73	0.00	53.34	0.00	0.00	442.39
April 10, 1997	495.73	0.00	54.32	0.00	0.00	441.41
July 7, 1997	495.73	0.00	54.64	0.00	0.00	441.09
October 8, 1997	495.73	0.00	54.98	0.00	0.00	440.75
January 6, 1998	495.73	0.00	55.28	0.00	0.00	440.45
April 3, 1998	495.73	0.00	55.60	0.00	0.00	440.13
June 25, 1998	495.73	0.00	55.87	0.00	0.00	439.86
October 2, 1998	495.73	0.00	56.36	0.00	0.00	439.37
January 5, 1999	495.73	0.00	54.98	0.00	0.00	440.75
April 1, 1999	495.73	0.00	56.89	0.00	0.00	438.84
July 14, 1999	495.73	0.00	57.39	0.00	0.00	438.34
October 22, 1999	495.73	0.00	57.74	0.00	0.00	437.99
January 25, 2000	495.73	0.00	59.00	0.00	0.00	436.73
April 3, 2000	495.73	0.00	58.51	0.00	0.00	437.22
July 17, 2000	495.73	0.00	59.10	0.00	0.00	436.63
October 24, 2000	495.73	0.00	59.45	0.00	0.00	436.28
January 24, 2001	495.73	0.00	59.82	0.00	0.00	435.91
October 18, 2001	495.73	0.00	Dry	0.00	0.00	Dry
March 19, 2002	495.73	0.00	Dry	0.00	0.00	Dry
August 14, 2002	495.73	0.00	Dry	0.00	0.00	Dry

Table 4

Historic Groundwater / Product Levels

Monitor Well #2

Screened Interval - 440.00' to 460.00'

Date	TOC Elevation Feet	Depth to PSH Feet	Depth to GW Feet	Product Thickness Feet	Adjusted Thickness Feet	GW Elevation Corrected for PSH Feet
September 17, 1996			Not Installed			
October 23, 1996	502.41	0.00	58.33	0.00	0.00	444.08
April 10, 1997	502.41	0.00	59.54	0.00	0.00	442.87
July 7, 1997	502.41	0.00	60.00	0.00	0.00	442.41
October 8, 1997	502.41	0.00	60.39	0.00	0.00	442.02
January 6, 1998	502.41	0.00	60.70	0.00	0.00	441.71
April 3, 1998	502.41	0.00	61.06	0.00	0.00	441.35
June 25, 1998	502.41	0.00	61.37	0.00	0.00	441.04
October 2, 1998	502.41	0.00	61.91	0.00	0.00	440.50
January 5, 1999	502.41	0.00	60.39	0.00	0.00	442.02
April 1, 1999	502.41	0.00	62.28	0.00	0.00	440.13
July 14, 1999	502.41	0.00	62.28	0.00	0.00	440.13
October 22, 1999	502.41	0.00	62.31	0.00	0.00	440.10
January 25, 2000	502.41	0.00	62.34	0.00	0.00	440.07
April 3, 2000	502.41	0.00	62.34	0.00	0.00	440.07
July 17, 2000	502.41	0.00	62.34	0.00	0.00	440.07
October 24, 2000	502.41	0.00	62.37	0.00	0.00	440.04
January 24, 2001	502.41	0.00	62.37	0.00	0.00	440.04
October 18, 2001	502.41	0.00	62.37	0.00	0.00	440.04
March 19, 2002	502.41	0.00	Dry	0.00	0.00	Dry
August 14, 2002	502.41	0.00	Dry	0.00	0.00	Dry

Table 5

Historic Groundwater / Product Levels

Monitor Well #3

Screened Interval - 434.20' to 454.23'

Date	TOC Elevation Feet	Depth to PSH Feet	Depth to GW Feet	Product Thickness Feet	Adjusted Thickness Feet	GW Elevation Corrected for PSH Feet
September 17, 1996			Not Installed			
October 23, 1996	499.13	0.00	56.28	0.00	0.00	442.85
April 10, 1997	499.13	0.00	57.25	0.00	0.00	441.88
July 7, 1997	499.13	0.00	57.59	0.00	0.00	441.54
October 8, 1997	499.13	0.00	57.92	0.00	0.00	441.21
January 6, 1998	499.13	0.00	58.24	0.00	0.00	440.89
April 3, 1998	499.13	0.00	58.41	0.00	0.00	440.72
June 25, 1998	499.13	0.00	58.84	0.00	0.00	440.29
October 2, 1998	499.13	0.00	59.36	0.00	0.00	439.77
January 5, 1999	499.13	0.00	57.92	0.00	0.00	441.21
April 1, 1999	499.13	0.00	59.89	0.00	0.00	439.24
July 14, 1999	499.13	0.00	60.40	0.00	0.00	438.73
October 22, 1999	499.13	0.00	60.76	0.00	0.00	438.37
January 25, 2000	499.13	0.00	61.21	0.00	0.00	437.92
April 3, 2000	499.13	0.00	61.57	0.00	0.00	437.56
July 17, 2000	499.13	0.00	62.11	0.00	0.00	437.02
October 24, 2000	499.13	0.00	62.48	0.00	0.00	436.65
January 24, 2001	499.13	0.00	62.83	0.00	0.00	436.30
October 18, 2001	499.13	0.00	64.17	0.00	0.00	434.96
March 19, 2002	499.13	0.00	64.44	0.00	0.00	434.69
August 14, 2002	499.13	0.00	Dry	0.00	0.00	Dry

Table 6

Historic Groundwater / Product Levels

Monitor Well #4

Screened Interval - 436.67' to 456.67'

Date	TOC Elevation Feet	Depth to PSH Feet	Depth to GW Feet	Product Thickness Feet	Adjusted Thickness Feet	GW Elevation Corrected for PSH Feet
September 17, 1996			Not Installed			
October 23, 1996	501.12	0.00	58.12	0.00	0.00	443.00
April 10, 1997	501.12	0.00	58.83	0.00	0.00	442.29
July 7, 1997	501.12	0.00	59.19	0.00	0.00	441.93
October 8, 1997	501.12	0.00	59.56	0.00	0.00	441.56
January 6, 1998	501.12	0.00	59.91	0.00	0.00	441.21
April 3, 1998	501.12	0.00	60.21	0.00	0.00	440.91
June 25, 1998	501.12	0.00	60.48	0.00	0.00	440.64
October 2, 1998	501.12	0.00	60.97	0.00	0.00	440.15
January 5, 1999	501.12	0.00	59.56	0.00	0.00	441.56
April 1, 1999	501.12	0.00	61.57	0.00	0.00	439.55
July 14, 1999	501.12	0.00	62.03	0.00	0.00	439.09
October 22, 1999	501.12	0.00	62.37	0.00	0.00	438.75
January 25, 2000	501.12	0.00	62.82	0.00	0.00	438.30
April 3, 2000	501.12	0.00	63.14	0.00	0.00	437.98
July 17, 2000	501.12	0.00	63.73	0.00	0.00	437.39
October 24, 2000	501.12	0.00	64.10	0.00	0.00	437.02
January 24, 2001	501.12	0.00	64.45	0.00	0.00	436.67
October 18, 2001	501.12	0.00	Dry	0.00	0.00	Dry
March 19, 2002	501.12	0.00	Dry	0.00	0.00	Dry
August 14, 2002	501.12	0.00	Dry	0.00	0.00	Dry

Table 7

Historic Groundwater / Product Levels

Monitor Well #5

Screened Interval - 435.92' to 455.92'

Date	TOC Elevation Feet	Depth to PSH Feet	Depth to GW Feet	Product Thickness Feet	Adjusted Thickness Feet	GW Elevation Corrected for PSH Feet
September 17, 1996			Not Installed			
October 23, 1996	500.84	0.00	58.96	0.00	0.00	441.88
April 10, 1997	500.84	0.00	59.77	0.00	0.00	441.07
July 7, 1997	500.84	0.00	60.10	0.00	0.00	440.74
October 8, 1997	500.84	0.00	60.31	0.00	0.00	440.53
January 6, 1998	500.84	0.00	60.76	0.00	0.00	440.08
April 3, 1998	500.84	0.00	61.05	0.00	0.00	439.79
June 25, 1998	500.84	0.00	61.05	0.00	0.00	439.79
October 2, 1998	500.84	0.00	61.77	0.00	0.00	439.07
January 5, 1999	500.84	0.00	60.31	0.00	0.00	440.53
April 1, 1999	500.84	0.00	62.24	0.00	0.00	438.60
July 14, 1999	500.84	0.00	62.76	0.00	0.00	438.08
October 22, 1999	500.84	0.00	63.08	0.00	0.00	437.76
January 25, 2000	500.84	0.00	63.51	0.00	0.00	437.33
April 3, 2000	500.84	0.00	63.84	0.00	0.00	437.00
July 17, 2000	500.84	0.00	64.35	0.00	0.00	436.49
October 24, 2000	500.84	0.00	64.68	0.00	0.00	436.16
January 24, 2001	500.84	0.00	Dry	0.00	0.00	Dry
October 18, 2001	500.84	0.00	Dry	0.00	0.00	Dry
March 19, 2002	500.84	0.00	Dry	0.00	0.00	Dry
August 14, 2002	500.84	0.00	Dry	0.00	0.00	Dry

Table 8

Historic Groundwater / Product Levels

Monitor Well #6

Screened Interval - 433.60' to 456.60'

Date	TOC Elevation Feet	Depth to PSH Feet	Depth to GW Feet	Product Thickness Feet	Adjusted Thickness Feet	GW Elevation Corrected for PSH Feet
September 17, 1996			Not Installed			
October 23, 1996	496.27	0.00	55.53	0.00	0.00	440.74
April 10, 1997	496.27	0.00	56.28	0.00	0.00	439.99
July 7, 1997	496.27	0.00	56.58	0.00	0.00	439.69
October 8, 1997	496.27	0.00	56.68	0.00	0.00	439.59
January 6, 1998	496.27	0.00	57.23	0.00	0.00	439.04
April 3, 1998	496.27	0.00	57.49	0.00	0.00	438.78
June 25, 1998	496.27	0.00	57.49	0.00	0.00	438.78
October 2, 1998	496.27	0.00	57.17	0.00	0.00	439.10
January 5, 1999	496.27	0.00	56.88	0.00	0.00	439.39
April 1, 1999	496.27	0.00	58.52	0.00	0.00	437.75
July 14, 1999	496.27	0.00	59.08	0.00	0.00	437.19
October 22, 1999	496.27	0.00	59.36	0.00	0.00	436.91
January 25, 2000	496.27	0.00	59.77	0.00	0.00	436.50
April 3, 2000	496.27	0.00	60.08	0.00	0.00	436.19
July 17, 2000	496.27	0.00	60.50	0.00	0.00	435.77
October 24, 2000	496.27	0.00	60.86	0.00	0.00	435.41
January 24, 2001	496.27	0.00	61.22	0.00	0.00	435.05
October 18, 2001	496.27	0.00	Dry	0.00	0.00	Dry
March 19, 2002	496.27	0.00	Dry	0.00	0.00	Dry
August 14, 2002	496.27	0.00	Dry	0.00	0.00	Dry

Table 9

Historic Groundwater / Product Levels

Monitor Well #7

Screened Interval - 426.40' to 446.40'

Date	TOC Elevation Feet	Depth to PSH Feet	Depth to GW Feet	Product Thickness Feet	Adjusted Thickness Feet	GW Elevation Corrected for PSH Feet
September 17, 1996			Not Installed			
October 23, 1996			Not Installed			
April 10, 1997	495.44	0.00	57.28	0.00	0.00	438.16
July 7, 1997	495.44	0.00	57.54	0.00	0.00	437.90
October 8, 1997	495.44	0.00	57.85	0.00	0.00	437.59
January 6, 1998	495.44	0.00	58.17	0.00	0.00	437.27
April 3, 1998	495.44	0.00	58.47	0.00	0.00	436.97
June 25, 1998	495.44	0.00	58.70	0.00	0.00	436.74
October 2, 1998	495.44	0.00	58.99	0.00	0.00	436.45
January 5, 1999	495.44	0.00	57.85	0.00	0.00	437.59
April 1, 1999	495.44	0.00	59.36	0.00	0.00	436.08
July 14, 1999	495.44	0.00	59.84	0.00	0.00	435.60
October 22, 1999	495.44	0.00	60.14	0.00	0.00	435.30
January 25, 2000	495.44	0.00	60.58	0.00	0.00	434.86
April 3, 2000	495.44	0.00	60.83	0.00	0.00	434.61
July 17, 2000	495.44	0.00	61.10	0.00	0.00	434.34
October 24, 2000	495.44	0.00	61.46	0.00	0.00	433.98
January 24, 2001	495.44	0.00	61.84	0.00	0.00	433.60
October 18, 2001	495.44	0.00	62.79	0.00	0.00	432.65
March 19, 2002	495.44	0.00	63.43	0.00	0.00	432.01
August 14, 2002	495.44	0.00	63.67	0.00	0.00	431.77

Table 10

Historic Groundwater / Product Levels

Monitor Well #8

Screened Interval - 430.90' to 450.90'

Date	TOC Elevation Feet	Depth to PSH Feet	Depth to GW Feet	Product Thickness Feet	Adjusted Thickness Feet	GW Elevation Corrected for PSH Feet
September 17, 1996			Not Installed			
October 23, 1996			Not Installed			
April 10, 1997	501.81	0.00	60.32	0.00	0.00	441.49
July 7, 1997	501.81	0.00	60.67	0.00	0.00	441.14
October 8, 1997	501.81	0.00	61.00	0.00	0.00	440.81
January 6, 1998	501.81	0.00	61.35	0.00	0.00	440.46
April 3, 1998	501.81	0.00	61.61	0.00	0.00	440.20
June 25, 1998	501.81	0.00	61.87	0.00	0.00	439.94
October 2, 1998	501.81	0.00	62.27	0.00	0.00	439.54
January 5, 1999	501.81	0.00	61.00	0.00	0.00	440.81
April 1, 1999	501.81	0.00	62.79	0.00	0.00	439.02
July 14, 1999	501.81	0.00	63.19	0.00	0.00	438.62
October 22, 1999	501.81	0.00	63.51	0.00	0.00	438.30
January 25, 2000	501.81	0.00	63.97	0.00	0.00	437.84
April 3, 2000	501.81	0.00	64.26	0.00	0.00	437.55
July 17, 2000	501.81	0.00	64.68	0.00	0.00	437.13
October 24, 2000	501.81	0.00	65.04	0.00	0.00	436.77
January 24, 2001	501.81	0.00	64.38	0.00	0.00	437.43
October 18, 2001	501.81	0.00	66.51	0.00	0.00	435.30
March 19, 2002	501.81	0.00	66.99	0.00	0.00	434.82
August 14, 2002	501.81	0.00	67.23	0.00	0.00	434.58

Table 11

Historic Groundwater / Product Levels

Monitor Well #9

Screened Interval - 429.50' to 449.50'

Date	TOC Elevation Feet	Depth to PSH Feet	Depth to GW Feet	Product Thickness Feet	Adjusted Thickness Feet	GW Elevation Corrected for PSH Feet
September 17, 1996			Not Installed			
October 23, 1996			Not Installed			
April 10, 1997	496.85	0.00	56.29	0.00	0.00	440.56
July 7, 1997	496.85	0.00	56.66	0.00	0.00	440.19
October 8, 1997	496.85	0.00	57.00	0.00	0.00	439.85
January 6, 1998	496.85	0.00	57.38	0.00	0.00	439.47
April 3, 1998	496.85	0.00	57.67	0.00	0.00	439.18
June 25, 1998	496.85	0.00	57.95	0.00	0.00	438.90
October 2, 1998	496.85	0.00	58.34	0.00	0.00	438.51
January 5, 1999	496.85	0.00	57.00	0.00	0.00	439.85
April 1, 1999	496.85	0.00	58.73	0.00	0.00	438.12
July 14, 1999	496.85	0.00	59.31	0.00	0.00	437.54
October 22, 1999	496.85	0.00	59.61	0.00	0.00	437.24
January 25, 2000	496.85	0.00	60.07	0.00	0.00	436.78
April 3, 2000	496.85	0.00	60.43	0.00	0.00	436.42
July 17, 2000	496.85	0.00	60.92	0.00	0.00	435.93
October 24, 2000	496.85	0.00	61.30	0.00	0.00	435.55
January 24, 2001	496.85	0.00	61.67	0.00	0.00	435.18
October 18, 2001	496.85	0.00	62.94	0.00	0.00	433.91
March 19, 2002	496.85	0.00	63.47	0.00	0.00	433.38
August 14, 2002	496.85	0.00	63.95	0.00	0.00	432.90

Table 12

Historic Groundwater / Product Levels

Monitor Well #10

Screened Interval - 426.00' to 446.00'

Date	TOC Elevation Feet	Depth to PSH Feet	Depth to GW Feet	Product Thickness Feet	Adjusted Thickness Feet	GW Elevation Corrected for PSH Feet
September 17, 1996			Not Installed			
October 23, 1996			Not Installed			
April 10, 1997	492.46	0.00	52.83	0.00	0.00	439.63
July 7, 1997	492.46	0.00	53.09	0.00	0.00	439.37
October 8, 1997	492.46	0.00	53.43	0.00	0.00	439.03
January 6, 1998	492.46	0.00	53.86	0.00	0.00	438.60
April 3, 1998	492.46	0.00	54.17	0.00	0.00	438.29
June 25, 1998	492.46	0.00	54.35	0.00	0.00	438.11
October 2, 1998	492.46	0.00	54.76	0.00	0.00	437.70
January 5, 1999	492.46	0.00	54.43	0.00	0.00	438.03
April 1, 1999	492.46	0.00	55.04	0.00	0.00	437.42
July 14, 1999	492.46	0.00	55.59	0.00	0.00	436.87
October 22, 1999	492.46	0.00	55.94	0.00	0.00	436.52
January 25, 2000	492.46	0.00	56.35	0.00	0.00	436.11
April 3, 2000	492.46	0.00	56.96	0.00	0.00	435.50
July 17, 2000	492.46	0.00	57.02	0.00	0.00	435.44
October 24, 2000	492.46	0.00	57.44	0.00	0.00	435.02
January 24, 2001	492.46	0.00	57.84	0.00	0.00	434.62
October 18, 2001	492.46	0.00	58.91	0.00	0.00	433.55
March 19, 2002	492.46	0.00	59.67	0.00	0.00	432.79
August 14, 2002	492.46	0.00	59.76	0.00	0.00	432.70

Table 13
Historic Groundwater Analytical Results
Monitor Well #1

Date	Benzene ppm	Toluene ppm	Ethylbenzene ppm	Xylene ppm	Phenol ppm	Naphthalene ppm	Chloride ppm
02/14/96	0.083	<0.001	<0.001	0.008	--	--	--
02/29/96	<0.001	<0.001	<0.001	<0.001	--	--	--
04/20/96	0.305	<0.001	0.002	0.032	<0.001	0.017	--
10/23/96	0.352	<0.001	0.026	0.081	0.025	0.01	--
04/10/97	0.268	<0.001	0.012	0.034	<0.001	0.007	--
07/07/97	0.243	--	--	--	--	0.005	--
10/08/97	0.180	<0.001	0.012	<0.001	--	.003	<10
01/06/98	0.138	<0.001	0.008	<0.001	--	0.002	6.2
04/03/98	0.109	<0.001	0.004	0.006	--	0.003	51
06/25/98	0.071	<0.001	0.002	0.003	--	<0.001	7.3
10/02/98	0.078	<0.005	<0.005	<0.005	--	<0.001	14.0
01/05/99	0.005	<0.001	<0.001	<0.001	--	--	-
04/01/99	<0.005	<0.005	<0.005	<0.005	--	--	--
07/14/99	<0.005	<0.005	<0.005	<0.005	--	--	--
10/22/99	<0.001	<0.001	<0.001	<0.001	--	--	--
01/25/00	0.001	<0.001	<0.001	<0.001	--	--	--
04/03/00	<0.005	<0.005	<0.005	<0.005	--	--	--
07/17/00	<0.005	<0.005	<0.005	<0.005	--	--	--
10/24/00	0.055	0.036	0.025	0.090	--	--	--
01/24/01	<0.005	<0.005	<0.005	<0.005	--	--	--
10/18/01	Not enough water to sample.						
03/19/02	Not enough water to sample.						
08/14/02	Not enough water to sample.						

Shaded areas indicate over OCD Limits

Table 14
Historic Groundwater Analytical Results
Monitor Well #2

Date	Benzene ppm	Toluene ppm	Ethylbenzene ppm	Xylene ppm	Phenol ppm	Naphthalene ppm	Chloride ppm
10/23/96	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	--
04/10/97	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
07/07/97	<0.001	--	--	--	--	--	--
10/08/97	<0.001	<0.001	<0.001	<0.001	--	<0.001	19
01/06/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	27
04/03/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	96
06/25/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	25.0
10/02/98	0.002	<0.001	<0.001	<0.001	--	<0.001	--
01/05/99	Sampling discontinued as approved by OCD						

Table 15
Historic Groundwater Analytical Results
Monitor Well #3

Date	Benzene ppm	Toluene ppm	Ethylbenzene ppm	Xylene ppm	Phenol ppm	Naphthalene ppm	Chloride ppm
10/23/96	0.001	<0.001	<0.001	<0.001	<0.001	<0.01	--
04/10/97	0.016	<0.001	<0.001	0.005	<0.001	<0.001	--
07/07/97	0.003	-		--	--	--	--
10/08/97	<0.001	<0.001	<0.001	<0.001	--	<0.001	64
01/06/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	58
04/03/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	130
06/25/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	12
10/02/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	46
01/05/99	<0.001	<0.001	<0.001	<0.001	--	--	--
04/01/99	<0.001	<0.001	<0.001	<0.001	--	--	--
07/14/99	<0.001	<0.001	<0.001	<0.001	--	--	--
10/22/99	<0.001	<0.001	<0.001	<0.001	--	--	--
01/25/00	<0.001	<0.001	<0.001	<0.001	--	--	--
04/03/00	<0.005	<0.005	<0.005	<0.005	--	--	--
07/17/00	0.010	<0.005	<0.005	<0.005	--	--	--
10/24/00	0.020	0.008	<0.005	0.014	--	--	--
01/24/01	<0.005	<0.005	<0.005	<0.005	--	--	100
10/18/01	0.0059	<0.001	<0.001	<0.001	--	--	--
03/19/02	<0.001	<0.001	<0.001	<0.001	--	--	--
08/14/02	Not enough water to sample.						

Shaded areas indicate over OCD Limits

Table 16
Historic Groundwater Analytical Results
Monitor Well #4

Date	Benzene ppm	Toluene ppm	Ethylbenzene ppm	Xylene ppm	Phenol ppm	Naphthalene ppm	Chloride ppm
10/23/96	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	--
04/10/97	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
07/07/97	<0.001	--	--	--	--	--	--
10/08/97	<0.001	<0.001	<0.001	<0.001	--	<0.001	<10
01/06/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	10
04/03/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	58
06/25/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	11
10/02/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	18
01/05/99	Sampling discontinued as approved by OCD						

Table 17
Historic Groundwater Analytical Results
Monitor Well #5

Date	Benzene ppm	Toluene ppm	Ethylbenzene ppm	Xylene ppm	Phenol ppm	Naphthalene ppm	Chloride ppm
10/23/96	0.135	<0.001	0.006	0.071	<0.001	<0.01	--
04/10/97	0.043	<0.001	<0.001	0.063	<0.001	0.001	--
07/07/97	0.015	--	--	--	--	<0.001	--
10/08/97	0.050	<0.001	<0.001	<0.001	--	0.001	24
01/06/98	0.031	<0.001	<0.001	0.010	--	<0.001	27
04/03/98	0.037	<0.001	0.002	0.019	--	0.001	69
06/25/98	0.017	<0.001	<0.001	0.006	--	<0.001	23
10/02/98	0.011	<0.001	<0.001	<0.001	--	<0.001	87
01/05/99	0.005	<0.001	<0.001	<0.001	--	--	-
04/01/99	0.003	<0.001	<0.001	<0.001	--	--	--
07/14/99	<0.001	<0.001	<0.001	<0.001	--	--	--
10/22/99	<0.001	<0.001	<0.001	<0.001	--	--	--
01/25/00	<0.001	<0.001	<0.001	<0.001	--	--	--
04/03/00	<0.005	<0.005	<0.005	<0.005	--	--	--
07/17/00	<0.005	<0.005	<0.005	<0.005	--	--	--
10/24/00	<0.005	<0.005	<0.005	<0.005	--	--	--
01/24/01	Not enough water to sample.						
10/18/01	Not enough water to sample.						
03/19/02	Not enough water to sample.						
08/14/02	Not enough water to sample.						

Shaded areas indicate over OCD Limits

Table 18
Historic Groundwater Analytical Results
Monitor Well #6

Date	Benzene ppm	Toluene ppm	Ethylbenzene ppm	Xylene ppm	Phenol ppm	Naphthalene ppm	Chloride ppm
10/23/96	0.192	<0.001	<0.001	0.013	<0.001	<0.01	--
04/10/97	0.272	<0.001	<0.001	0.014	<0.001	<0.001	--
07/07/97	0.106	--		--	--	--	--
10/08/97	<0.001	<0.001	<0.001	<0.001	--	<0.001	30
01/06/98	0.132	<0.001	<0.001	0.004	--	<0.001	31
04/03/98	0.165	<0.001	<0.001	0.008	--	<0.001	98
06/25/98	0.143	<0.001	<0.001	0.009	--	<0.001	28
10/02/98	0.157	<0.005	<0.005	0.012	--	<0.001	31
01/05/99	0.123	<0.001	<0.001	0.004	--	--	56
04/01/99	0.120	<0.001	<0.001	<0.005	--	--	31
07/14/99	0.093	<0.005	<0.005	<0.005	--	--	34
10/22/99	0.090	<0.001	<0.001	<0.001	--	--	31.5
01/25/00	0.105	<0.001	<0.001	<0.001	--	--	35
04/03/00	0.157	<0.005	<0.005	<0.005	--	--	33
07/17/00	0.126	<0.005	<0.005	<0.005	--	--	33
10/24/00	0.031	<0.005	<0.005	0.006	--	--	30
01/24/01	0.020	<0.005	<0.005	<0.005	--	--	28
10/18/01	Not enough water to sample.						
03/19/02	Not enough water to sample.						
08/14/02	Not enough water to sample.						

Shaded areas indicate over OCD Limits

Table 19
Historic Groundwater Analytical Results
Monitor Well #7

Date	Benzene ppm	Toluene ppm	Ethylbenzene ppm	Xylene ppm	Phenol ppm	Naphthalene ppm	Chloride ppm
01/09/97	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
04/10/97	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
07/07/97	<0.001	--	--	--	--	--	--
10/08/97	<0.001	<0.001	<0.001	<0.001	--	<0.001	33
01/06/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	37
04/03/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	120
06/25/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	33
10/02/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	36
01/05/99	<0.001	<0.001	<0.001	<0.001	--	--	74
04/01/99	<0.001	<0.001	<0.001	<0.001	--	--	36
07/14/99	<0.001	<0.001	<0.001	<0.001	--	--	35
10/22/99	<0.001	<0.001	<0.001	<0.001	--	--	35.2
01/25/00	<0.001	<0.001	<0.001	<0.001	--	--	32
04/03/00	<0.001	<0.001	<0.001	<0.001	--	--	31
07/17/00	<0.001	<0.001	<0.001	<0.001	--	--	32
10/24/00	<0.001	<0.001	<0.001	<0.001	--	--	33
01/24/01	<0.005	<0.005	<0.005	<0.005	--	--	33
10/18/01	0.0252	<0.001	<0.001	<0.001	--	--	39.5
03/19/02	0.414	<0.010	<0.010	<0.010	--	--	39.8
08/14/02	0.750	<0.005	<0.005	<0.005	--	--	47.1

Shaded areas indicate over OCD Limits

Table 20
Historic Groundwater Analytical Results
Monitor Well #8

Date	Benzene ppm	Toluene ppm	Ethylbenzene ppm	Xylene ppm	Phenol ppm	Naphthalene ppm	Chloride ppm
10/23/96	Well Not Installed						
04/10/97	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
07/07/97	<0.001	--	--	--	--	--	--
10/08/97	<0.001	<0.001	<0.001	<0.001	--	<0.001	15
01/06/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	27
04/03/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	160
06/25/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	26
10/02/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	27
01/05/99	Sampling discontinued as approved by OCD						

Table 21
Historic Groundwater Analytical Results
Monitor Well #9

Date	Benzene ppm	Toluene ppm	Ethylbenzene ppm	Xylene ppm	Phenol ppm	Naphthalene ppm	Chloride ppm
10/23/96	Well Not Installed						
04/10/97	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	320
07/07/97	<0.001	--	--	--	--	--	41
10/08/97	<0.001	<0.001	<0.001	<0.001	--	<0.001	560
01/06/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	490
04/03/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	460
06/25/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	290
10/02/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	200
01/05/99	<0.001	<0.001	<0.001	<0.001	--	--	520
04/01/99	<0.001	<0.001	<0.001	<0.001	--	--	260
07/14/99	<0.001	<0.001	<0.001	<0.001	--	--	284
10/22/99	<0.001	<0.001	<0.001	<0.001	--	--	278
01/25/00	<0.005	<0.005	<0.005	<0.005	--	--	300
04/03/00	<0.005	<0.005	0.012	<0.005	--	--	250
07/17/00	<0.001	<0.001	<0.001	<0.001	--	--	95
10/24/00	<0.001	<0.001	<0.001	<0.001	--	--	40
01/24/01	<0.005	<0.005	<0.005	<0.005	--	--	42
10/18/01	<0.001	<0.001	<0.001	<0.001	--	--	166
03/19/02	0.0046	<0.001	<0.001	<0.001	--	--	77.5
08/14/02	0.0022	<0.001	<0.001	<0.001	--	--	106

Shaded areas indicate over OCD Limits

Table 22
Historic Groundwater Analytical Results
Monitor Well #10

Date	Benzene ppm	Toluene ppm	Ethylbenzene ppm	Xylene ppm	Phenol ppm	Naphthalene ppm	Chloride ppm
10/23/96	Well Not Installed						
04/10/97	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
07/07/97	<0.001	--	--	--	--	--	8.8
10/08/97	<0.001	<0.001	<0.001	<0.001	--	<0.001	110
01/06/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	101
04/03/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	180
06/25/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	140
10/02/98	<0.001	<0.001	<0.001	<0.001	--	<0.001	160
01/05/99	<0.001	<0.001	<0.001	<0.001	--	--	140
04/01/99	<0.001	<0.001	<0.001	<0.001	--	--	128
07/14/99	<0.001	<0.001	<0.001	<0.001	--	--	124
10/22/99	<0.001	<0.001	<0.001	<0.001	--	--	122
01/25/00	<0.001	<0.001	<0.001	<0.001	--	--	120
04/03/00	<0.001	<0.001	<0.001	<0.001	--	--	130
07/17/00	<0.005	<0.005	<0.005	<0.005	--	--	130
10/24/00	<0.001	<0.001	<0.001	<0.001	--	--	150
01/24/01	<0.005	<0.005	<0.005	<0.005	--	--	18
10/18/01	<0.001	<0.001	<0.001	<0.001	--	--	119
03/19/02	0.0043	<0.001	<0.001	<0.001	--	--	78.9
08/14/02	<0.001	<0.001	<0.001	<0.001	--	--	96.4

Summary Report

Scott Springer
Eco-Logical Environmental Services
2200 Market Street
Midland, TX 79703

Report Date: April 11, 2002

Order ID Number: A02032507

Project Number: 279-512
Project Name: Former Hobbs Gas Plant
Project Location: Hobbs, NM

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
193579	MW-3	Water	3/19/02	11:58	3/23/02
193580	MW-7	Water	3/19/02	11:17	3/23/02
193581	MW-9	Water	3/19/02	12:15	3/23/02
193582	MW-10	Water	3/19/02	11:35	3/23/02
193583	MW-9D	Water	3/19/02	12:15	3/23/02
193584	Rinse	Water	3/19/02	:	3/23/02
193585	Trip	Water	3/19/02	:	3/23/02

0 This report consists of a total of 2 page(s) and is intended only as a summary of results for the sample(s) listed above.

	BTEX				
Sample - Field Code	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	M,P,O-Xylene (ppm)	Total BTEX (ppm)
193579 - MW-3	<0.001	<0.001	<0.001	<0.001	<0.001
193580 - MW-7	0.414	<0.010	<0.010	<0.010	0.414
193581 - MW-9	0.0046	<0.001	<0.001	<0.001	0.0046
193582 - MW-10	0.0043	<0.001	<0.001	<0.001	0.0043
193583 - MW-9D	0.0044	<0.001	<0.001	<0.001	0.0044
193584 - Rinse	<0.001	<0.001	<0.001	<0.001	<0.001
193585 - Trip	<0.001	<0.001	<0.001	<0.001	<0.001

Sample: 193580 - MW-7

Param	Flag	Result	Units
Chloride		39.8	mg/L

Sample: 193581 - MW-9

Param	Flag	Result	Units
Chloride		77.5	mg/L

Sample: 193582 - MW-10

Param	Flag	Result	Units
Chloride		78.9	mg/L

Sample: 193583 - MW-9D

Param	Flag	Result	Units
Chloride		82.4	mg/L

TRACEANALYSIS, INC.

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E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Scott Springer
Eco-Logical Environmental Services
2200 Market Street
Midland, TX 79703

Report Date: April 11, 2002

Order ID Number: A02032507

Project Number: 279-512
Project Name: Former Hobbs Gas Plant
Project Location: Hobbs, NM

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace-Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
193579	MW-3	Water	3/19/02	11:58	3/23/02
193580	MW-7	Water	3/19/02	11:17	3/23/02
193581	MW-9	Water	3/19/02	12:15	3/23/02
193582	MW-10	Water	3/19/02	11:35	3/23/02
193583	MW-9D	Water	3/19/02	12:15	3/23/02
193584	Rinse	Water	3/19/02	:	3/23/02
193585	Trip	Water	3/19/02	:	3/23/02

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed. Note: the RDL is equal to MQL for all organic analytes including TPH.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 193579 - MW-3

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC19043	Date Analyzed:	3/25/02
Analyst:	CG	Preparation Method:	S 5030B	Prep Batch:	PB18415	Date Prepared:	3/25/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.097	mg/L	1	0.10	97	70 - 130
4-BFB		0.0862	mg/L	1	0.10	86	70 - 130

Sample: 193580 - MW-7

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC19105	Date Analyzed:	3/26/02
Analyst:	CG	Preparation Method:	S 5030B	Prep Batch:	PB18461	Date Prepared:	3/26/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.414	mg/L	10	0.001
Toluene		<0.010	mg/L	10	0.001
Ethylbenzene		<0.010	mg/L	10	0.001
M,P,O-Xylene		<0.010	mg/L	10	0.001
Total BTEX		0.414	mg/L	10	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0938	mg/L	10	0.10	93	70 - 130
4-BFB	[1]	0.0666	mg/L	10	0.10	66	70 - 130

Sample: 193580 - MW-7

Analysis:	Ion Chromatography (IC)	Analytical Method:	E 300.0	QC Batch:	QC19492	Date Analyzed:	4/5/02
Analyst:	JS	Preparation Method:	N/A	Prep Batch:	PB18784	Date Prepared:	4/5/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		39.8	mg/L	5	0.50

Sample: 193581 - MW-9

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC19043	Date Analyzed:	3/25/02
Analyst:	CG	Preparation Method:	S 5030B	Prep Batch:	PB18415	Date Prepared:	3/25/02

[1]Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0046	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		0.0046	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0988	mg/L	1	0.10	99	70 - 130
4-BFB		0.0893	mg/L	1	0.10	89	70 - 130

Sample: 193581 - MW-9

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC19492 Date Analyzed: 4/5/02
Analyst: JS Preparation Method: N/A Prep Batch: PB18784 Date Prepared: 4/5/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		77.5	mg/L	5	0.50

Sample: 193582 - MW-10

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC19043 Date Analyzed: 3/25/02
Analyst: CG Preparation Method: S 5030B Prep Batch: PB18415 Date Prepared: 3/25/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0043	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		0.0043	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0988	mg/L	1	0.10	99	70 - 130
4-BFB		0.0886	mg/L	1	0.10	89	70 - 130

Sample: 193582 - MW-10

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC19492 Date Analyzed: 4/5/02
Analyst: JS Preparation Method: N/A Prep Batch: PB18784 Date Prepared: 4/5/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		78.9	mg/L	10	0.50

Sample: 193583 - MW-9D

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC19043 Date Analyzed: 3/25/02
Analyst: CG Preparation Method: S 5030B Prep Batch: PB18415 Date Prepared: 3/25/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0044	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		0.0044	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0998	mg/L	1	0.10	100	70 - 130
4-BFB		0.0891	mg/L	1	0.10	89	70 - 130

Sample: 193583 - MW-9D

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC19492 Date Analyzed: 4/5/02
Analyst: JS Preparation Method: N/A Prep Batch: PB18784 Date Prepared: 4/5/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		82.4	mg/L	10	0.50

Sample: 193584 - Rinse

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC19043 Date Analyzed: 3/25/02
Analyst: CG Preparation Method: S 5030B Prep Batch: PB18415 Date Prepared: 3/25/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0961	mg/L	1	0.10	96	70 - 130
4-BFB		0.0865	mg/L	1	0.10	86	70 - 130

Sample: 193585 - Trip

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC19043 Date Analyzed: 3/25/02
Analyst: CG Preparation Method: S 5030B Prep Batch: PB18415 Date Prepared: 3/25/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0901	mg/L	1	0.10	90	70 - 130
4-BFB		0.0827	mg/L	1	0.10	83	70 - 130

Quality Control Report
Method Blank

Method Blank

QCBatch: QC19043

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.001	mg/L	0.001
Toluene		<0.001	mg/L	0.001
Ethylbenzene		<0.001	mg/L	0.001
M,P,O-Xylene		<0.001	mg/L	0.001
Total BTEX		<0.001	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.090	mg/L	1	0.10	90	70 - 130
4-BFB		0.0797	mg/L	1	0.10	80	70 - 130

Method Blank

QCBatch: QC19105

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.001	mg/L	0.001
Toluene		<0.001	mg/L	0.001
Ethylbenzene		<0.001	mg/L	0.001
M,P,O-Xylene		<0.001	mg/L	0.001
Total BTEX		<0.001	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0937	mg/L	1	0.10	94	70 - 130
4-BFB	[2]	0.0679	mg/L	1	0.10	67	70 - 130

Method Blank

QCBatch: QC19492

Param	Flag	Results	Units	Reporting Limit
Chloride		<2.0	mg/L	0.50

Quality Control Report
Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes

QCBatch: QC19043

[2]Low BFB surrogate recovery due to prep. TFT surrogate recovery shows the method to be in control.

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.0897	0.095	mg/L	1	0.10	<0.001	90	6	70 - 130	20
Benzene	0.0911	0.0944	mg/L	1	0.10	<0.001	91	4	70 - 130	20
Toluene	0.0855	0.0906	mg/L	1	0.10	<0.001	86	6	70 - 130	20
Ethylbenzene	0.0869	0.092	mg/L	1	0.10	<0.001	87	6	70 - 130	20
M,P,O-Xylene	0.264	0.276	mg/L	1	0.30	<0.001	88	4	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	0.0878	0.0914	mg/L	1	0.10	88	91	70 - 130
4-BFB	0.0871	0.0901	mg/L	1	0.10	87	90	70 - 130

Laboratory Control Spikes

QCBatch: QC19105

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.0906	0.0869	mg/L	1	0.10	<0.001	91	4	70 - 130	20
Benzene	0.101	0.0991	mg/L	1	0.10	<0.001	101	2	70 - 130	20
Toluene	0.100	0.0983	mg/L	1	0.10	<0.001	100	2	70 - 130	20
Ethylbenzene	0.102	0.0993	mg/L	1	0.10	<0.001	102	3	70 - 130	20
M,P,O-Xylene	0.309	0.301	mg/L	1	0.30	<0.001	103	3	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	0.0975	0.0964	mg/L	1	0.10	98	96	70 - 130
4-BFB	0.0943	0.0918	mg/L	1	0.10	94	92	70 - 130

Laboratory Control Spikes

QCBatch: QC19492

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	11.76	11.83	mg/L	1	12.50	<2.0	94	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Quality Control Report
Matrix Spikes and Duplicate Spikes

Matrix Spikes

QCBatch: QC19492

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	199.60	199.49	mg/L	1	125	82.4	93	0	52 - 131	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Quality Control Report
Continuing Calibration Verification Standards

CCV (1)

QCBatch: QC19043

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0964	96	85 - 115	3/25/02
Benzene		mg/L	0.10	0.0996	100	85 - 115	3/25/02
Toluene		mg/L	0.10	0.0934	93	85 - 115	3/25/02
Ethylbenzene		mg/L	0.10	0.0945	94	85 - 115	3/25/02
M,P,O-Xylene		mg/L	0.30	0.285	95	85 - 115	3/25/02

CCV (2)

QCBatch: QC19043

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.1	100	85 - 115	3/25/02
Benzene		mg/L	0.10	0.0964	96	85 - 115	3/25/02
Toluene		mg/L	0.10	0.093	93	85 - 115	3/25/02
Ethylbenzene		mg/L	0.10	0.0942	94	85 - 115	3/25/02
M,P,O-Xylene		mg/L	0.30	0.2831	94	85 - 115	3/25/02

ICV (1)

QCBatch: QC19043

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.1	100	85 - 115	3/25/02
Benzene		mg/L	0.10	0.103	103	85 - 115	3/25/02
Toluene		mg/L	0.10	0.102	102	85 - 115	3/25/02
Ethylbenzene		mg/L	0.10	0.103	103	85 - 115	3/25/02
M,P,O-Xylene		mg/L	0.30	0.308	103	85 - 115	3/25/02

CCV (1)

QCBatch: QC19105

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0882	88	85 - 115	3/26/02
Benzene		mg/L	0.10	0.0979	98	85 - 115	3/26/02
Toluene		mg/L	0.10	0.098	98	85 - 115	3/26/02
Ethylbenzene		mg/L	0.10	0.0986	99	85 - 115	3/26/02
M,P,O-Xylene		mg/L	0.30	0.299	100	85 - 115	3/26/02

CCV (2)

QCBatch: QC19105

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0927	92	85 - 115	3/26/02
Benzene		mg/L	0.10	0.1	100	85 - 115	3/26/02
Toluene		mg/L	0.10	0.101	101	85 - 115	3/26/02
Ethylbenzene		mg/L	0.10	0.1	100	85 - 115	3/26/02
M,P,O-Xylene		mg/L	0.30	0.305	101	85 - 115	3/26/02

ICV (1)

QCBatch: QC19105

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0923	92	85 - 115	3/26/02
Benzene		mg/L	0.10	0.0994	99	85 - 115	3/26/02
Toluene		mg/L	0.10	0.0989	99	85 - 115	3/26/02
Ethylbenzene		mg/L	0.10	0.099	99	85 - 115	3/26/02
M,P,O-Xylene		mg/L	0.30	0.302	101	85 - 115	3/26/02

CCV (1)

QCBatch: QC19492

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.83	94	90 - 110	4/5/02

ICV (1)

QCBatch: QC19492

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.83	94	90 - 110	4/5/02

19[redacted]79-[redacted] [redacted] Page [redacted] of 1

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TraceAnalysis, Inc.

155 McCutcheon, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # AD2032507

Company Name: ECO-LOGICAL ENVIRONMENTAL   Phone #: 915-520-7535
Address: (Street, City, Zip) 2200 MARKET ST, MIDLAND 79703   Fax #: 915-520-7737
Contact Person: SCOTT SPRINGER
Invoice to: (If different from above) KINDER/MORGAN
Project #: 279-512   Project Name: HOBBS
Project Location: HOBBS   Sampler Signature: Scott Springer

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl VOA	HNO$_3$	H$_2$SO$_4$	NaOH	ICE	NONE 250ml	SAMPLING: DATE	TIME	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	CHLORIDES	Turn Around Time if different from standard	Hold
193579	MW-3	3	VOA 250ml	|				|				|	|	3-19	1158		|																
80	MW-7	|	|	|				|				|	|	|	11:17		|														|		
81	MW-9	|	|	|				|				|	|	|	12:15		|														|		
82	MW-10	|	|	|				|				|	|	|	11:35		|														|		
83	MW-9D	|	|	|				|				|	|	|	12:15		|														|		
84	RINSE	2	VOA	|				|				|		|			|																
85	TRIPP	2	VOA	|				|				|		|			|																

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Mark Pendley	3/22/02	1640	Helen Shelton	3/22/02	1640
Helen Shelton	3/22/02	1830			
			Received at Laboratory by: Julie Wilson	3-23-02	0920

LAB USE ONLY
Intact (Y) / N
Headspace Y / N
Temp 3°C
Log-in Review MV
Carrier # Greyhound

REMARKS:

☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C. 19 samples HS

ORIGINAL COPY

Summary Report

Scott Springer
Eco-Logical Environmental Services
2200 Market Street
Midland, TX 79703

Report Date: August 22, 2002

Order ID Number: A02081907

Project Number: 279-512
Project Name: Former Hobbs Gas Plant
Project Location: Hobbs, NM

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
205523	MW-7	Water	8/13/02	15:35	8/17/02
205524	MW-9	Water	8/13/02	16:54	8/17/02
205525	MW-10	Water	8/13/02	15:17	8/17/02
205526	Rinse	Water	8/13/02	17:04	8/17/02
205527	Tripp	Water	8/13/02	:	8/17/02

0 This report consists of a total of 2 page(s) and is intended only as a summary of results for the sample(s) listed above.

	BTEX				
Sample - Field Code	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	M,P,O-Xylene (ppm)	Total BTEX (ppm)
205523 - MW-7	0.750	<0.005	<0.005	<0.005	0.750
205524 - MW-9	0.0022	<0.001	<0.001	<0.001	0.0022
205525 - MW-10	<0.001	<0.001	<0.001	<0.001	<0.001
205526 - Rinse	<0.001	<0.001	<0.001	<0.001	<0.001
205527 - Tripp	<0.001	<0.001	<0.001	<0.001	<0.001

Sample: 205523 - MW-7

Param	Flag	Result	Units
Chloride		47.1	mg/L

Sample: 205524 - MW-9

Param	Flag	Result	Units
Chloride		106	mg/L

This is only a summary. Please, refer to the complete report package for quality control data.

Sample: 205525 - MW-10

Param	Flag	Result	Units
Chloride		96.4	mg/L

This is only a summary. Please, refer to the complete report package for quality control data.

TRACEANALYSIS, INC.

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155 McCutcheon, Suite H El Paso, Texas 79932 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Scott Springer
Eco-Logical Environmental Services
2200 Market Street
Midland, TX 79703

Report Date: August 22, 2002

Order ID Number: A02081907

Project Number: 279-512
Project Name: Former Hobbs Gas Plant
Project Location: Hobbs, NM

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace-Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
205523	MW-7	Water	8/13/02	15:35	8/17/02
205524	MW-9	Water	8/13/02	16:54	8/17/02
205525	MW-10	Water	8/13/02	15:17	8/17/02
205526	Rinse	Water	8/13/02	17:04	8/17/02
205527	Tripp	Water	8/13/02	:	8/17/02

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed. Note: the RDL is equal to MQL for all organic analytes including TPH.
The test results contained within this report meet all requirements of LAC 33:I unless otherwise noted.

This report consists of a total of 9 pages and shall not be reproduced except in its entirety including the chain of custody (COC), without written approval of TraceAnalysis, Inc.

Note: Samples will be disposed of 30 days from the report date unless the lab is contacted before the 30 days has past.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 205523 - MW-7

Analysis: BTEX | Analytical Method: S 8021B | QC Batch: QC22971 | Date Analyzed: 8/21/02
Analyst: CG | Preparation Method: S 5030B | Prep Batch: PB21605 | Date Prepared: 8/21/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.750	mg/L	5	0.001
Toluene		<0.005	mg/L	5	0.001
Ethylbenzene		<0.005	mg/L	5	0.001
M,P,O-Xylene		<0.005	mg/L	5	0.001
Total BTEX		0.750	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.104	mg/L	5	0.10	104	70 - 130
4-BFB		0.074	mg/L	5	0.10	74	70 - 130

Sample: 205523 - MW-7

Analysis: Ion Chromatography (IC) | Analytical Method: E 300.0 | QC Batch: QC22917 | Date Analyzed: 8/19/02
Analyst: JSW | Preparation Method: N/A | Prep Batch: PB21557 | Date Prepared: 8/19/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		47.1	mg/L	5	1

Sample: 205524 - MW-9

Analysis: BTEX | Analytical Method: S 8021B | QC Batch: QC22882 | Date Analyzed: 8/19/02
Analyst: CG | Preparation Method: S 5030B | Prep Batch: PB21525 | Date Prepared: 8/19/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.0022	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		0.0022	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0989	mg/L	1	0.10	89	70 - 130
4-BFB		0.0952	mg/L	1	0.10	95	70 - 130

Sample: 205524 - MW-9

Analysis: Ion Chromatography (IC) | Analytical Method: E 300.0 | QC Batch: QC22917 | Date Analyzed: 8/19/02
Analyst: JSW | Preparation Method: N/A | Prep Batch: PB21557 | Date Prepared: 8/19/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		106	mg/L	10	1

Sample: 205525 - MW-10

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC22882 Date Analyzed: 8/19/02
Analyst: CG Preparation Method: S 5030B Prep Batch: PB21525 Date Prepared: 8/19/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0997	mg/L	1	0.10	100	70 - 130
4-BFB		0.0954	mg/L	1	0.10	95	70 - 130

Sample: 205525 - MW-10

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC22917 Date Analyzed: 8/19/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB21557 Date Prepared: 8/19/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		96.4	mg/L	10	1

Sample: 205526 - Rinse

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC22882 Date Analyzed: 8/19/02
Analyst: CG Preparation Method: S 5030B Prep Batch: PB21525 Date Prepared: 8/19/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0998	mg/L	1	0.10	100	70 - 130
4-BFB		0.0944	mg/L	1	0.10	94	70 - 130

Sample: 205527 - Tripp

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC22882 Date Analyzed: 8/19/02
Analyst: CG Preparation Method: S 5030B Prep Batch: PB21525 Date Prepared: 8/19/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.101	mg/L	1	0.10	101	70 - 130
4-BFB		0.0961	mg/L	1	0.10	96	70 - 130

Quality Control Report
Method Blank

Method Blank

QCBatch: QC22882

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.001	mg/L	0.001
Toluene		<0.001	mg/L	0.001
Ethylbenzene		<0.001	mg/L	0.001
M,P,O-Xylene		<0.001	mg/L	0.001
Total BTEX		<0.001	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.090	mg/L	1	0.10	90	70 - 130
4-BFB		0.0882	mg/L	1	0.10	88	70 - 130

Method Blank

QCBatch: QC22917

Param	Flag	Results	Units	Reporting Limit
Chloride		<1.0	mg/L	1

Method Blank

QCBatch: QC22971

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.001	mg/L	0.001
Toluene		<0.001	mg/L	0.001
Ethylbenzene		<0.001	mg/L	0.001
M,P,O-Xylene		<0.001	mg/L	0.001
Total BTEX		<0.001	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.102	mg/L	1	0.10	102	70 - 130
4-BFB		0.0709	mg/L	1	0.10	71	70 - 130

Quality Control Report
Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes

QCBatch: QC22882

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.0928	0.0947	mg/L	1	0.10	<0.001	93	2	70 - 130	20
Benzene	0.093	0.094	mg/L	1	0.10	<0.001	93	1	70 - 130	20
Toluene	0.0912	0.0927	mg/L	1	0.10	<0.001	91	2	70 - 130	20
Ethylbenzene	0.0906	0.0922	mg/L	1	0.10	<0.001	91	2	70 - 130	20
M,P,O-Xylene	0.262	0.266	mg/L	1	0.30	<0.001	87	2	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	0.0913	0.0897	mg/L	1	0.10	91	90	70 - 130
4-BFB	0.0894	0.0892	mg/L	1	0.10	89	89	70 - 130

Laboratory Control Spikes

QCBatch: QC22917

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	11.47	11.50	mg/L	1	12.50	<1.0	91	0	90 - 110	20
Fluoride	2.33	2.36	mg/L	1	2.50	<0.2	93	1	90 - 110	20
Nitrate-N	2.33	2.33	mg/L	1	2.50	<0.2	93	0	90 - 110	20
Sulfate	11.70	11.71	mg/L	1	12.50	<1.0	93	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spikes

QCBatch: QC22971

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.0992	0.0985	mg/L	1	0.10	<0.001	99	1	70 - 130	20
Benzene	0.107	0.107	mg/L	1	0.10	<0.001	107	0	70 - 130	20
Toluene	0.0962	0.0973	mg/L	1	0.10	<0.001	96	1	70 - 130	20
Ethylbenzene	0.0967	0.0968	mg/L	1	0.10	<0.001	97	0	70 - 130	20
M,P,O-Xylene	0.292	0.288	mg/L	1	0.30	<0.001	97	1	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	0.102	0.104	mg/L	1	0.10	102	104	70 - 130
4-BFB	0.0917	0.0919	mg/L	1	0.10	92	92	70 - 130

Quality Control Report
Matrix Spikes and Duplicate Spikes

Matrix Spikes

QCBatch: QC22917

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	20570	20304	mg/L	1	12500	9050	92	2	48 - 127	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Quality Control Report
Continuing Calibration Verification Standards

CCV (1)

QCBatch: QC22882

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0977	98	85 - 115	8/19/02
Benzene		mg/L	0.10	0.0959	96	85 - 115	8/19/02
Toluene		mg/L	0.10	0.0943	94	85 - 115	8/19/02
Ethylbenzene		mg/L	0.10	0.0937	94	85 - 115	8/19/02
M,P,O-Xylene		mg/L	0.30	0.270	90	85 - 115	8/19/02

CCV (2)

QCBatch: QC22882

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0979	97	85 - 115	8/19/02
Benzene		mg/L	0.10	0.095	95	85 - 115	8/19/02
Toluene		mg/L	0.10	0.0931	93	85 - 115	8/19/02
Ethylbenzene		mg/L	0.10	0.093	93	85 - 115	8/19/02
M,P,O-Xylene		mg/L	0.30	0.268	89	85 - 115	8/19/02

ICV (1)

QCBatch: QC22882

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0958	96	85 - 115	8/19/02
Benzene		mg/L	0.10	0.0949	95	85 - 115	8/19/02
Toluene		mg/L	0.10	0.0932	93	85 - 115	8/19/02
Ethylbenzene		mg/L	0.10	0.0925	92	85 - 115	8/19/02
M,P,O-Xylene		mg/L	0.30	0.268	89	85 - 115	8/19/02

CCV (1)

QCBatch: QC22917

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.49	91	90 - 110	8/19/02
Fluoride		mg/L	2.50	2.36	94	90 - 110	8/19/02
Nitrate-N		mg/L	2.50	2.33	93	90 - 110	8/19/02
Sulfate		mg/L	12.50	11.77	94	90 - 110	8/19/02

ICV (1)

QCBatch: QC22917

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.50	92	90 - 110	8/19/02
Fluoride		mg/L	2.50	2.37	94	90 - 110	8/19/02
Nitrate-N		mg/L	2.50	2.35	94	90 - 110	8/19/02
Sulfate		mg/L	12.50	11.90	95	90 - 110	8/19/02

CCV (1)

QCBatch: QC22971

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.104	104	85 - 115	8/21/02
Benzene		mg/L	0.10	0.107	107	85 - 115	8/21/02
Toluene		mg/L	0.10	0.094	94	85 - 115	8/21/02
Ethylbenzene		mg/L	0.10	0.094	94	85 - 115	8/21/02
M,P,O-Xylene		mg/L	0.30	0.283	94	85 - 115	8/21/02

CCV (2)

QCBatch: QC22971

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.102	102	85 - 115	8/21/02
Benzene		mg/L	0.10	0.107	107	85 - 115	8/21/02
Toluene		mg/L	0.10	0.098	98	85 - 115	8/21/02
Ethylbenzene		mg/L	0.10	0.0975	97	85 - 115	8/21/02
M,P,O-Xylene		mg/L	0.30	0.289	96	85 - 115	8/21/02

ICV (1)

QCBatch: QC22971

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0934	93	85 - 115	8/21/02

Continued ...

... Continued

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.10	0.106	106	85 - 115	8/21/02
Toluene		mg/L	0.10	0.0961	96	85 - 115	8/21/02
Ethylbenzene		mg/L	0.10	0.0978	98	85 - 115	8/21/02
M,P,O-Xylene		mg/L	0.30	0.299	100	85 - 115	8/21/02

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1 (800) 378-1296

TraceAnalysis, Inc.

155 McCutcheon, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # A0208190 7

Company Name: Eco-Logical Environmental Services Phone #: (915) 520-7535
Address: (Street, City, Zip) 2200 Market St. Midland, 79703 Fax #: (915) 520-7737
Contact Person: Scott Springer
Invoice to: (If different from above)
Project #: 279-512 Project Name: Hobbs GW
Project Location: Hobbs Sampler Signature: Mark Pendley

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
20523	MW-7	3	VOA 250ml	X				X				X		8/13	1535
24	MW-9	3												8/13	1654
25	MW-10	3												8/13	1517
26	Rinse	2	VOA											8/13	1704
27	Tripp	2	VOA											8/13	

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Chlorides						Turn Around Time if different from standard	Hold
	X													X	X							
	X													X	X							
	X													X	X							
	X																					
	X																					

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Mark Pendley	8/16/02	1450	Helen Shelton	8/16/02	1450
Helen Shelton	8/16/02	1830			
			Received at Laboratory by: Melissa Aylard	8/17/2	11:20AM

LAB USE ONLY
Intact Y / N
Headspace Y / N
Temp 2 °
Log-in Review M

REMARKS:
8/23 FIP
☐ Check If Special Reporting Limits Are Needed

Carrier # Greyhound 163-566-564-7

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C. 13 samples-175

ORIGINAL COPY

KINDER MORGAN INC

January 27, 2003

Mr. Wayne Price
New Mexico Oil Conversation Division
1220 So. St. Francis Drive
Santa Fe, New Mexico, 87505

Re: Former Hobbs Gas Plant – GW-191
2002 Annual Groundwater Monitoring Report
Lea County, New Mexico

Dear Mr. Price:

Enclosed please find the 2003 Annual Groundwater Monitoring Report for the above referenced facility. We are currently pursuing off-site access for the additional well installations described in the December 2003 Work Plan.

If you have any questions or require additional information, please contact me at (713) 369-9193.

Sincerely,
KINDER MORGAN, INC.

John M. Greer
Manager, Environmental Remediation

cc: Ms. Donna Williams – New Mexico OCD – Hobbs
Barry Andrews – Excel Energy

TRC

Customer-Focused Solutions

January 20, 2004

ORIGINAL RPT. FOR OCD

Mr. Wayne Price
New Mexico Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505

Ref: Transmittal of Annual 2003 Groundwater Monitoring Summary Report
Kinder Morgan, Inc. - Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico
Discharge Plan GW-191
TRC Environmental Corporation Project #40299

Dear Mr. Price:

This letter report (and appendices) summarizes the annual groundwater monitoring activities conducted at the above-referenced location on January 13, 2003 by Eco-Logical Environmental and August 26 and 27, 2003 by TRC Environmental Corporation (TRC). A site location map is illustrated on Figure 1. The site and general vicinity contain monitor wells MW-1 through MW-10 as illustrated on Figure 2. Monitor wells MW-7 and MW-10 are located off-site on the adjacent Excel Energy Cunningham Power Station property. Kinder Morgan, Inc. (KMI) has retained responsibility for the historical environmental impacts relating to the operation of the former gas plant facility.

GROUNDWATER SAMPLING ACTIVITIES & OBSERVATIONS

For the January 2003 sampling event, the 10 monitor wells were gauged for water levels and phase-separated hydrocarbons (PSH), if present, by Eco-Logical Environmental. Samples were collected from monitor wells MW-3, MW-7, MW-9, and MW-10. Sampling was conducted in accordance with the New Mexico Oil Conservation Division (OCD) Discharge Plan GW-191. The remaining site monitor wells (MW-2, MW-4, and MW-8) were not required for purging and sampling as previously approved by the OCD.

For the August 2003 sampling event, the 10 monitor wells were gauged for water levels and PSH, if present, by TRC. Groundwater levels have continued to descend in the site area; therefore, the water column in each monitor well (except at MW-10) was insufficient for low-flow purging and sampling. Only monitor wells MW-9 and MW-10 were purged and sampled. The non-dedicated gauging and sampling equipment were decontaminated prior to use at each monitor well location. Decontamination fluids and disposable personal protective equipment

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were placed in containers for temporary storage on site. Each container was labeled for contents, accumulation date, and container number.

Groundwater samples were collected using a submersible pump and dedicated tubing at monitor well MW-10. The pumping rates were maintained between 0.25 to 0.5 liters per minute (L/min). Low-flow purging and sampling were conducted in accordance with the United States Environmental Protection Agency (USEPA) guidelines (EPA/540/S-95/504). Water quality parameters (*e.g.*, pH, specific conductance, turbidity, temperature, dissolved oxygen, and oxidation reduction potential) were measured using an in-line flow-through-cell. Purging continued until the parameters stabilized. The flow rate for sampling was maintained at the same rate at which purging was conducted. Samples were transferred directly from the dedicated tubing into the laboratory-provided glass sample containers.

The water column at monitor well MW-9 was determined to be insufficient for purging by the USEPA low-flow technique; therefore, this monitor well was sampled using a dedicated disposable bailer. Samples were transferred directly from the bailer to the laboratory-provided glass sample containers.

The sample containers were sealed, labeled, and placed on ice inside a cooler to maintain a temperature of four (4) degrees Centigrade. A standard chain-of-custody form was completed and accompanied the groundwater samples to Trace Analysis, Inc. of Lubbock, Texas. The collected samples were analyzed for:

- Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) by USEPA Method 8021B; and
- Chlorides by USEPA Method 300.0.

Appropriate quality control and assurance methods were employed, including the analyses of method blanks and laboratory control spikes.

GROUNDWATER ELEVATIONS

Table 1 provides a cumulative summary of the groundwater elevations from September 1996 through August 2003.

January 2003

Of the 10 monitor wells that were gauged, wells MW-4 and MW-5 were dry. Groundwater elevations ranged from 440.02 feet above mean sea level (ft. MSL) at monitor well MW-2 (upgradient) to 431.79 ft. MSL at monitor well MW-10 (downgradient). A potentiometric surface contour map for January 13, 2003 is illustrated on Figure 3. The hydraulic gradient (direction of groundwater flow) is to the east/southeast. The water elevation at monitor well

MW-1 (435.54 ft. MSL) appears to be anomalous and was not contoured. Gauging data prior to and after this date for monitor well MW-1 indicated dry conditions.

August 2003
Of the 10 monitor wells that were gauged, wells MW-1, MW-4, MW-5, and MW-6 were dry. For the remaining monitor wells, the groundwater elevations ranged from 440.0 ft. MSL at monitor well MW-2 (upgradient) to 430.49 ft. MSL at monitor well MW-10 (downgradient). A potentiometric surface contour map for August 26, 2003 is illustrated on Figure 4. The hydraulic gradient (direction of groundwater flow) is to the east/southeast.

A sheen (<0.01 feet) was detected at monitor well MW-7; therefore, this well was not purged or sampled. Future gauging events will determine if the sheen is anomalous or indicative of site conditions.

GROUNDWATER ANALYTICAL RESULTS

Table 2 provides a cumulative summary of groundwater analytical results from February 1996 through August 2003. The laboratory data sheets and the chain-of-custody form for the January 2003 sampling event are provided in Appendix A. Similarly, the laboratory data sheets and chain-of-custody form for the August 2003 sampling event are provided in Appendix B.

January 2003
Benzene was detected at monitor well MW-7 (0.799 mg/L). This compound along with toluene, ethylbenzene, and xylenes were not detected above laboratory reporting limits for monitor wells MW-3, MW-9 and MW-10. Chlorides were detected at monitor wells MW-7 (38.5 mg/L), MW-9 (92.1 mg/L), and MW-10 (140 mg/L).

Analytical results for monitor wells MW-3, MW-7, MW-9, and MW-10 were compared to New Mexico Water Quality Control Commission (WQCC) 20.6.2.3103 NMAC established guideline levels for benzene and chlorides. Benzene was detected at monitor well MW-7 (0.799 mg/L) above the established guideline of 0.01 mg/L. The benzene concentrations for this well location have continued to increase between October 2001 and January 2003 as provided on Table 2. The chloride concentrations for monitor wells MW-7 (38.5 mg/L), MW-9 (92.1 mg/L), and MW-10 (140 mg/L) are well below the established guideline of 250 mg/L.

August 2003
BTEX was not detected above the laboratory reporting limits for monitor well MW-9. A chlorides concentration of 111.0 mg/L was detected at monitor well MW-9. At monitor well MW-10, only toluene (0.0012 mg/L) was detected above the laboratory reporting limit. A chlorides concentration of 162.0 mg/L was detected at monitor well MW-10.

Analytical results for monitor wells MW-9 and MW-10 were compared to the New Mexico WQCC 20.6.2.3103 NMAC established guideline levels for benzene, toluene, and chlorides.

The results were below established guidelines for benzene (0.01 mg/L), toluene (0.75 mg/L) and chlorides (250 mg/L).

QUALITY CONTROL REVIEW OF LABORATORY ANALYTICAL DATA

A review of the monitoring data and associated quality control (QC) data was performed for the January 2003 and August 2003 sampling events at Hobbs. QC data indicate that measurement data are sufficient to meet project quality objectives, the data are defensible, and QC mechanisms are generally effective in ensuring measurement data reliability. No potential data quality issues were identified.

CONCLUSIONS

Based on the observations and results of the gauging and sampling events for 2003 combined with a review of the historical site information, TRC concludes the following:

- Water levels are continuing to descend beneath the site area. Two monitor wells were dry for January 2003. These wells included MW-4 and MW-5. Four monitor wells were dry in August 2003. These wells included MW-1, MW-4, MW-5, and MW-6;

- The hydraulic gradient (direction of groundwater flow) is to the east/southeast for both January 2003 and August 2003. Monitor well MW-2 is upgradient and monitor well MW-10 is downgradient with respect to groundwater flow;

- A sheen (<0.01 feet) was detected at monitor well MW-7 in August 2003. This well was not purged or sampled as a result of the detected sheen;

- BTEX was not detected above the laboratory reporting limits for monitor well MW-3 for January 2003;

- Benzene was detected at monitor well MW-7 (0.799 mg/L) above the established guideline of 0.01 mg/L for January 2003. This compound has increased in concentrations between October 2001 and January 2003;

- BTEX was not detected above the laboratory reporting limits for monitor well MW-9. Chloride concentrations of 92.1 mg/L (January 2003) and 111.0 mg/L (August 2003) were detected at this well location, but below the established guideline of 250 mg/L;

- Only toluene (0.0012 mg/L) was detected above the laboratory reporting limits at monitor well MW-10, but below the established guideline of 0.75 mg/L. Chloride

concentrations of 140 mg/L (January 2003) and 162.0 mg/L (August 2003) were detected at this well location, but below the established guideline of 250 mg/L; and

- Pursuant to the Contaminant Plume Delineation Work Plan dated December 22, 2003, three new monitor wells will be installed during the first quarter 2004. One monitor well will be a deeper adjacent replacement well for MW-6. The remaining two monitor wells (MW-11 and MW-12) will be downgradient from monitor wells MW-7 and MW-10.

If you have any questions, please do not hesitate to call me at 713.821.6004 or Mr. John Greer with Kinder Morgan at 713.369.9193.

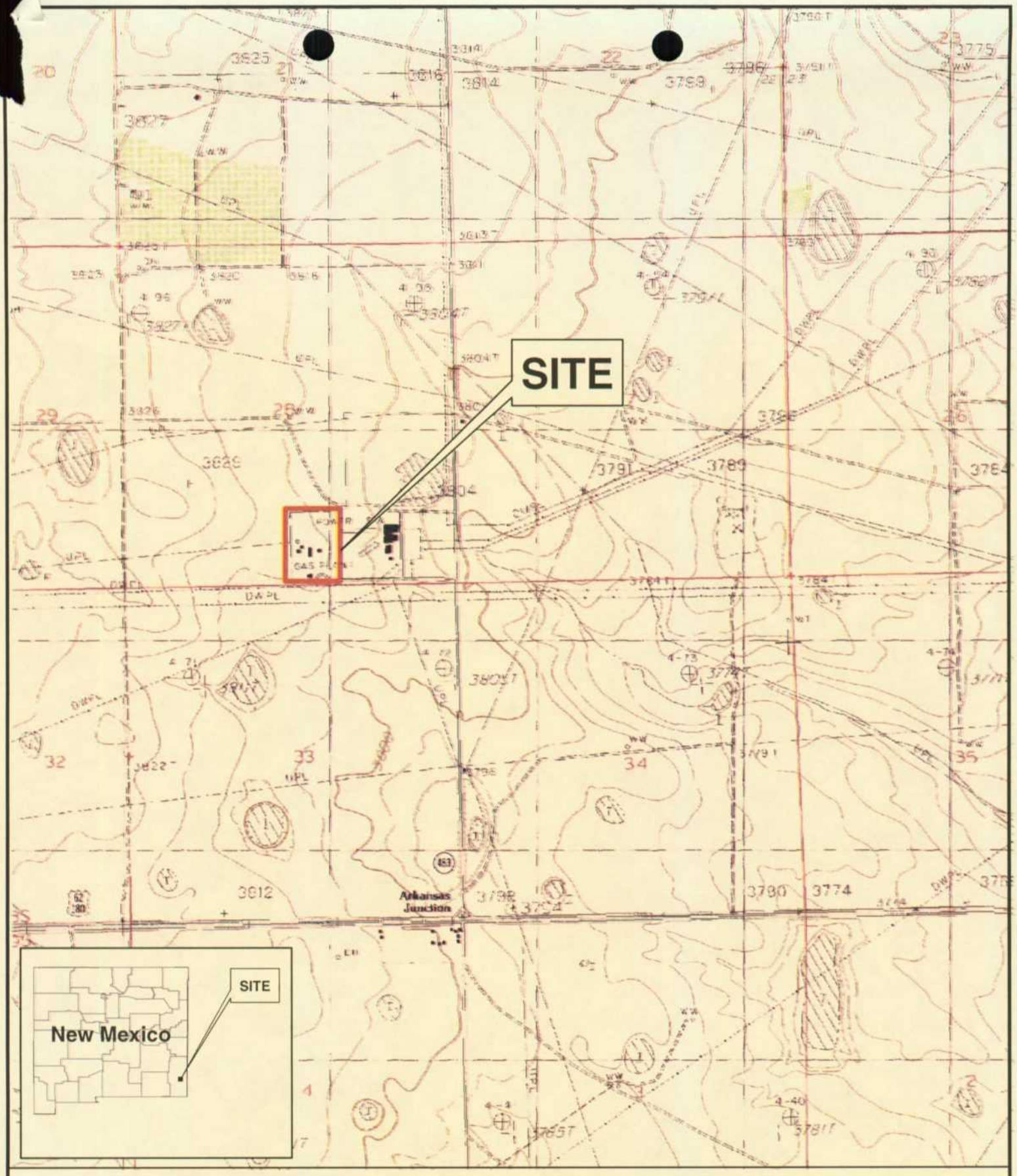
Respectfully submitted,
TRC ENVIRONMENTAL CORPORATION

John D. Daniels, P.G.
Senior Project Manager

Attachments: Tables, Figures, and Appendices A & B

cc: Mr. John Greer (Kinder Morgan)
Project File

FIGURES



0 2,000 4,000 Feet

N

SOURCE:
USGS 7.5 MINUTE QUADRANGLE MAPS
FOR MONUMENT NORTH, NM (1979)
OBTAINED FROM NEW MEXICO RESOURCE
GEOGRAPHIC INFORMATION SYSTEM PROGRAM
VIA THEIR WEBSITE: http://www.rgis.unm.edu

SITE LOCATION MAP

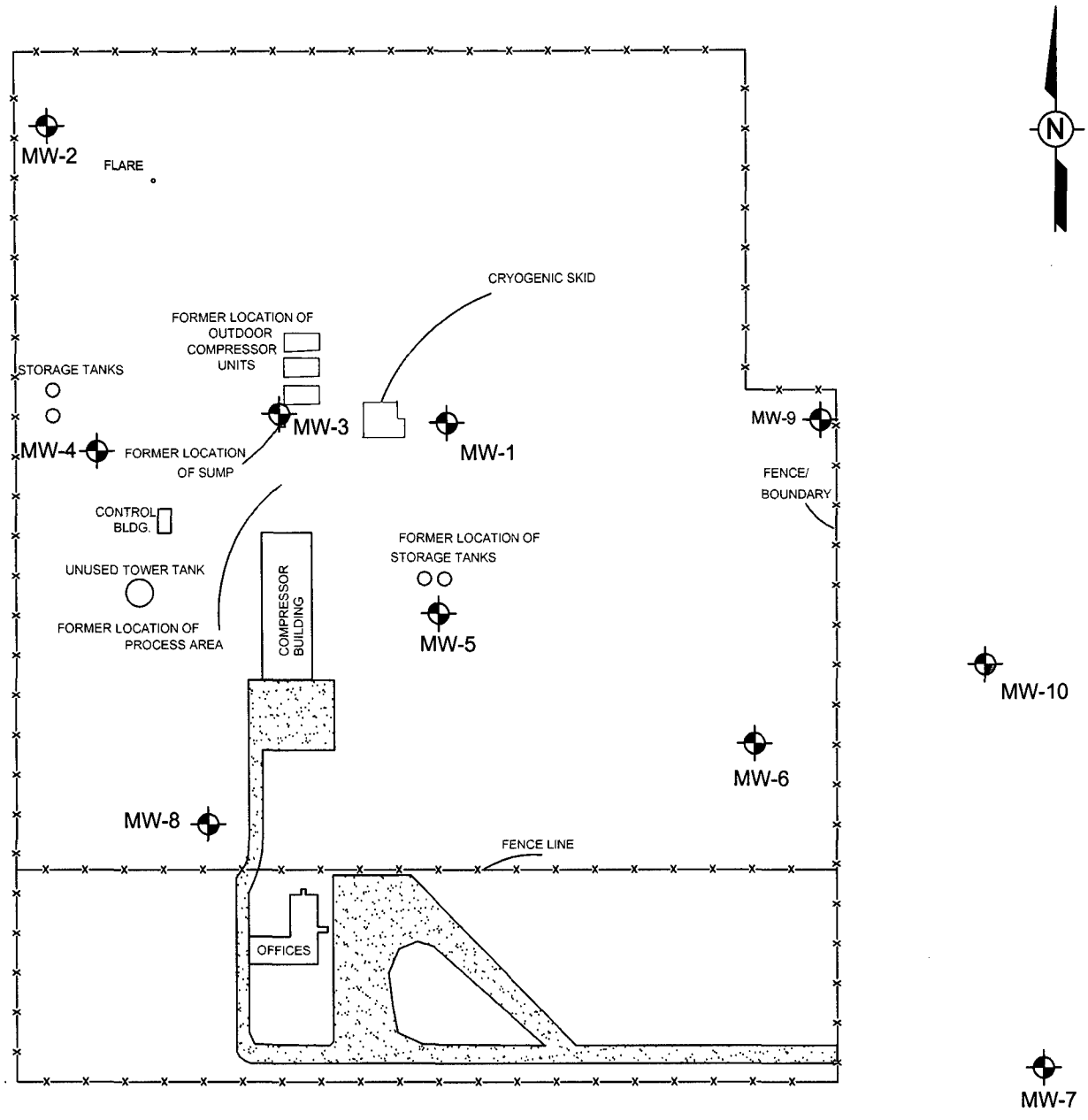
KINDER MORGAN

FORMER HOBBS GAS PLANT
LEA COUNTY, NEW MEXICO

PROJECT NO.: 40299 | DATE: 1/04

TRC
Environmental Corporation
Customer-Focused Solutions
2313 W SAM HOUSTON PARKWAY N.
SUITE 107
HOUSTON, TEXAS 77043
713-821-7000

FIGURE 1



LEGEND

MW-1 - MONITOR WELL LOCATION

SITE MAP

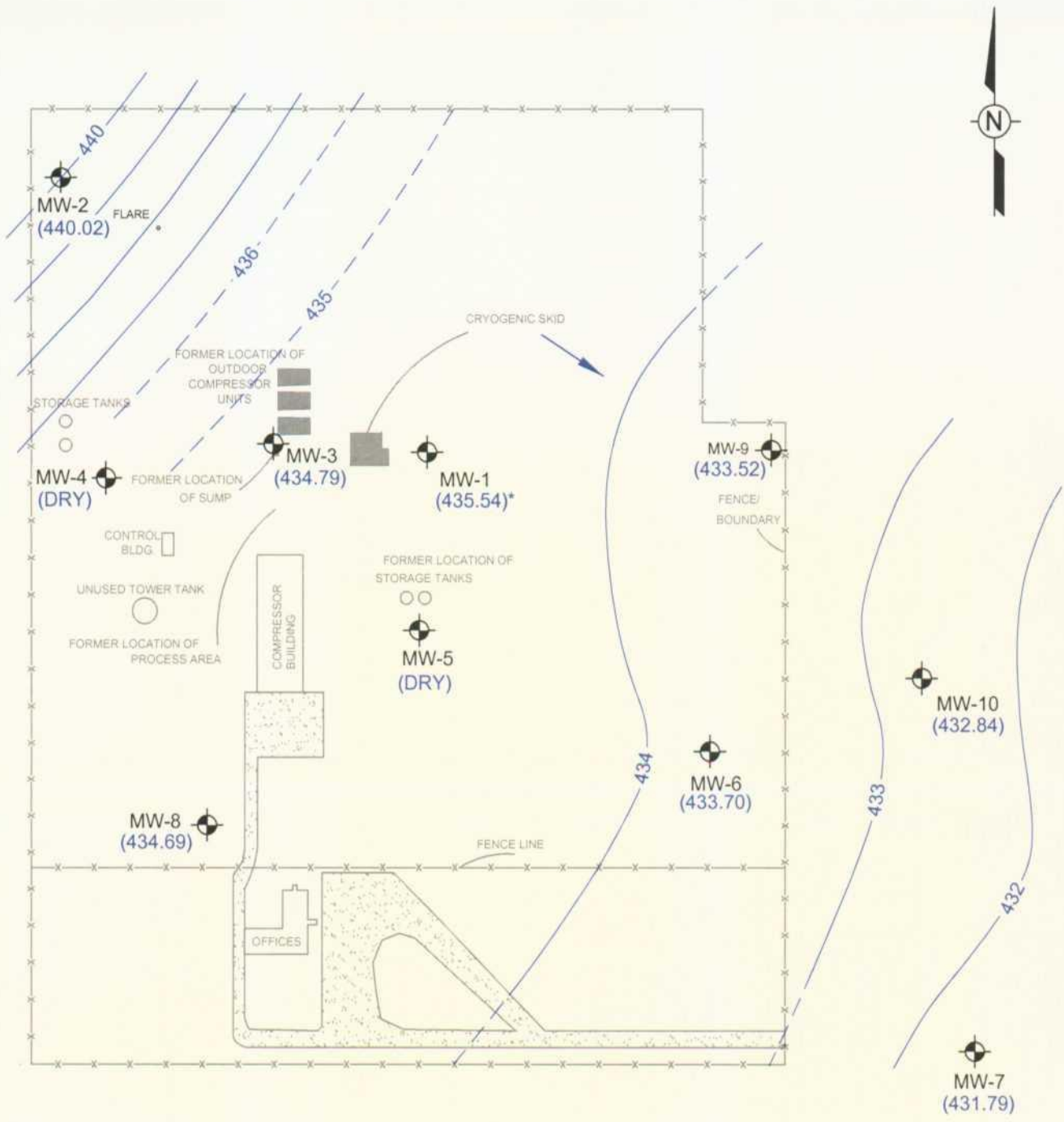
KINDER MORGAN

FORMER HOBBS GAS PLANT
LEE COUNTY, NEW MEXICO

PROJECT NO.: 40299 | DATE: 1/04

TRC Environmental Corporation
Customer-Focused Solutions
2313 W. SAM HOUSTON PARKWAY N.
STE. 107
HOUSTON, TEXAS 77043
713-821-7000

FIGURE 2



NOTE

CONTOUR INTERVAL = 1.0 FOOT.

* ANOMALOUS ELEVATION

0 75 150 300

SCALE IN FEET
APPROXIMATE SCALE

LEGEND

MW-2 - MONITOR WELL LOCATION

— 431 — - CONTOUR INTERVAL (FEET) (DASHED WHERE INFERRED)

(440.02) - GROUNDWATER ELEVATION (FEET MSL)

→ - APPARENT DIRECTION OF GROUNDWATER FLOW

POTENTIOMETRIC SURFACE CONTOUR MAP (JANUARY 13, 2003)

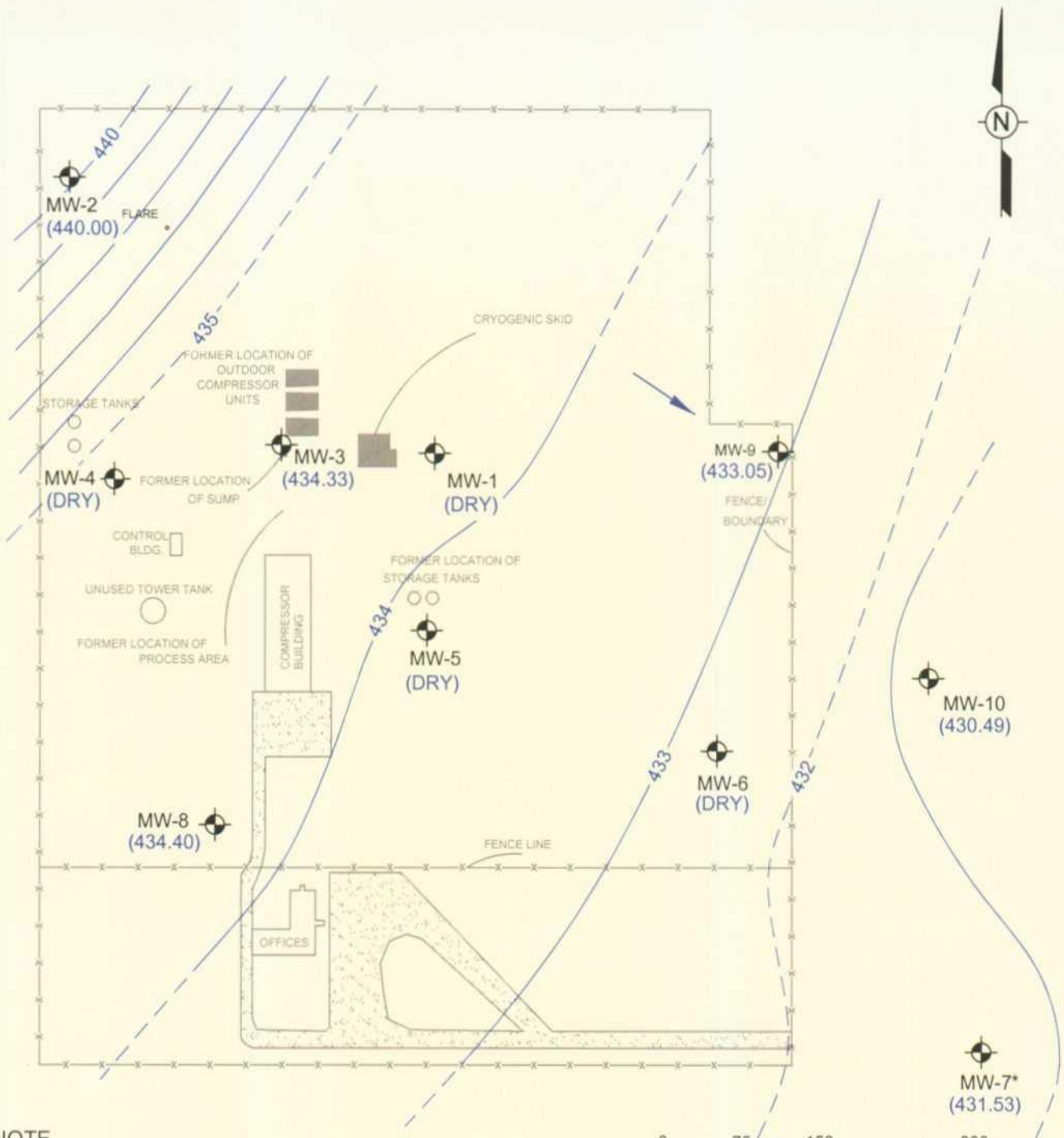
KINDER MORGAN

FORMER HOBBS GAS PLANT
LEE COUNTY, NEW MEXICO

PROJECT NO.: 40299 | DATE: 1/04

TRC Environmental Corporation
Customer-Focused Solutions
2313 W. SAM HOUSTON PARKWAY N.
STE. 107
HOUSTON, TEXAS 77043
713-821-7000

FIGURE 3



NOTE

CONTOUR INTERVAL = 1.0 FOOT.

* SHEEN DETECTED AT MW-7.

LEGEND

- MONITOR WELL LOCATION
- 431 - CONTOUR INTERVAL (FEET) (DASHED WHERE INFERRED)
- (430.49) - GROUNDWATER ELEVATION (FEET MSL)
- APPARENT DIRECTION OF GROUNDWATER FLOW

POTENTIOMETRIC SURFACE CONTOUR MAP (AUGUST 26, 2003)

KINDER MORGAN

FORMER HOBBS GAS PLANT
LEE COUNTY, NEW MEXICO

PROJECT NO.: 40299 | DATE: 1/04

TRC Environmental Corporation
Customer-Focused Solutions
2313 W. SAM HOUSTON PARKWAY N.
STE. 107
HOUSTON, TEXAS 77043
713-821-7000

FIGURE 4

TABLES

TABLE 1
Cumulative Summary of Groundwater Elevations and
Phase-Separated Hydrocarbon Thickness
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Sample Date	TOC Elevation (feet MSL)	Depth to PSH (feet)	Depth to GW (feet)	PSH Thickness (feet)	GW Elevation (feet MSL)
MW-1: Screened Interval 436.70' to 456.70'						
MW-1	9/17/1996	495.73	-	53.10	-	442.63
MW-1	10/23/1996	495.73	-	53.34	-	442.39
MW-1	4/10/1997	495.73	-	54.32	-	441.41
MW-1	7/7/1997	495.73	-	64.64	-	431.09
MW-1	10/8/1997	495.73	-	64.98	-	430.75
MW-1	1/6/1998	495.73	-	55.28	-	440.45
MW-1	4/3/1998	495.73	-	55.60	-	440.13
MW-1	6/25/1998	495.73	-	55.87	-	439.86
MW-1	10/2/1998	495.73	-	56.36	-	439.37
MW-1	1/5/1999	495.73	-	54.98	-	440.75
MW-1	4/1/1999	495.73	-	56.89	-	438.84
MW-1	7/14/1999	495.73	-	57.39	-	438.34
MW-1	10/22/1999	495.73	-	57.74	-	437.99
MW-1	1/25/2000	495.73	-	59.00	-	436.73
MW-1	4/3/2000	495.73	-	58.51	-	437.22
MW-1	7/17/2000	495.73	-	59.10	-	436.63
MW-1	10/24/2000	495.73	-	59.45	-	436.28
MW-1	1/24/2001	495.73	-	59.82	-	435.91
MW-1	10/18/2001	495.73	-	Dry	-	Dry
MW-1	3/19/2002	495.73	-	Dry	-	Dry
MW-1	8/14/2002	495.73	-	Dry	-	Dry
MW-1	1/13/2003	495.73	-	60.19	-	435.54
MW-1	8/26/2003	495.73	-	Dry	-	Dry
MW-2: Screened Interval 440.00' to 460.00'						
MW-2	9/17/1996	Not Installed.				
MW-2	10/23/1996	502.41	-	58.33	-	444.08
MW-2	4/10/1997	502.41	-	59.54	-	442.87
MW-2	7/7/1997	502.41	-	60.00	-	442.41
MW-2	10/8/1997	502.41	-	60.39	-	442.02
MW-2	1/6/1998	502.41	-	60.70	-	441.71
MW-2	4/3/1998	502.41	-	61.06	-	441.35
MW-2	6/25/1998	502.41	-	61.37	-	441.04
MW-2	10/2/1998	502.41	-	61.91	-	440.50
MW-2	1/5/1999	502.41	-	60.39	-	442.02
MW-2	4/1/1999	502.41	-	62.28	-	440.13
MW-2	7/14/1999	502.41	-	62.28	-	440.13
MW-2	10/22/1999	502.41	-	62.31	-	440.10
MW-2	1/25/2000	502.41	-	62.34	-	440.07
MW-2	4/3/2000	502.41	-	62.34	-	440.07
MW-2	7/17/2000	502.41	-	62.34	-	440.07
MW-2	10/24/2000	502.41	-	62.37	-	440.04
MW-2	1/24/2001	502.41	-	62.37	-	440.04
MW-2	10/18/2001	502.41	-	62.37	-	440.04
MW-2	3/19/2002	502.41	-	Dry	-	Dry
MW-2	8/14/2002	502.41	-	Dry	-	Dry
MW-2	1/13/2003	502.41	-	62.39	-	440.02
MW-2	8/26/2003	502.41	-	62.41	-	440.00
MW-3: Screened Interval 434.20' to 454.23'						
MW-3	9/17/1996	Not Installed.				
MW-3	10/23/1996	499.13	-	56.28	-	442.85

TABLE 1
Cumulative Summary of Groundwater Elevations and
Phase-Separated Hydrocarbon Thickness
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Sample Date	TOC Elevation (feet MSL)	Depth to PSH (feet)	Depth to GW (feet)	PSH Thickness (feet)	GW Elevation (feet MSL)
MW-3	4/10/1997	499.13	-	57.25	-	441.88
MW-3	7/7/1997	499.13	-	57.59	-	441.54
MW-3	10/8/1997	499.13	-	57.92	-	441.21
MW-3	1/8/1998	499.13	-	58.24	-	440.89
MW-3	4/3/1998	499.13	-	58.41	-	440.72
MW-3	6/25/1998	499.13	-	58.84	-	440.29
MW-3	10/2/1998	499.13	-	59.36	-	439.77
MW-3	1/5/1999	499.13	-	57.92	-	441.21
MW-3	4/1/1999	499.13	-	59.89	-	439.24
MW-3	7/14/1999	499.13	-	60.40	-	438.73
MW-3	10/22/1999	499.13	-	60.76	-	438.37
MW-3	1/25/2000	499.13	-	61.21	-	437.92
MW-3	4/3/2000	499.13	-	61.57	-	437.56
MW-3	7/17/2000	499.13	-	62.11	-	437.02
MW-3	10/24/2000	499.13	-	62.48	-	436.65
MW-3	1/24/2001	499.13	-	62.83	-	436.30
MW-3	10/18/2001	499.13	-	64.17	-	434.96
MW-3	3/19/2002	499.13	-	64.44	-	434.69
MW-3	8/14/2002	499.13	-	Dry	-	Dry
MW-3	1/13/2003	499.13	-	64.34	-	434.79
MW-3	8/26/2003	499.13	-	64.80	-	434.33
MW-4: Screened Interval 436.67' to 456.67'						
MW-4	9/17/1996	Not Installed.				
MW-4	10/23/1996	501.12	-	58.12	-	443.00
MW-4	4/10/1997	501.12	-	58.83	-	442.29
MW-4	7/7/1997	501.12	-	59.19	-	441.93
MW-4	10/8/1997	501.12	-	59.56	-	441.56
MW-4	1/6/1998	501.12	-	59.91	-	441.21
MW-4	4/3/1998	501.12	-	60.21	-	440.91
MW-4	6/25/1998	501.12	-	60.48	-	440.64
MW-4	10/2/1998	501.12	-	60.97	-	440.15
MW-4	1/5/1999	501.12	-	59.56	-	441.56
MW-4	4/1/1999	501.12	-	61.57	-	439.55
MW-4	7/14/1999	501.12	-	62.03	-	439.09
MW-4	10/22/1999	501.12	-	62.37	-	438.75
MW-4	1/25/2000	501.12	-	62.82	-	438.30
MW-4	4/3/2000	501.12	-	63.14	-	437.98
MW-4	7/17/2000	501.12	-	63.73	-	437.39
MW-4	10/24/2000	501.12	-	64.10	-	437.02
MW-4	1/24/2001	501.12	-	64.45	-	436.67
MW-4	10/18/2001	501.12	-	Dry	-	Dry
MW-4	3/19/2002	501.12	-	Dry	-	Dry
MW-4	8/14/2002	501.12	-	Dry	-	Dry
MW-4	1/13/2003	501.12	-	Dry	-	Dry
MW-4	8/26/2003	501.12	-	Dry	-	Dry
MW-5: Screened Interval 435.92' to 455.92'						
MW-5	9/17/1996	Not Installed.				
MW-5	10/23/1996	500.84	-	58.96	-	441.88
MW-5	4/10/1997	500.84	-	59.77	-	441.07
MW-5	7/7/1997	500.84	-	60.10	-	440.74
MW-5	10/8/1997	500.84	-	60.31	-	440.53
MW-5	1/6/1998	500.84	-	60.76	-	440.08

TABLE 1
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Phase-Separated Hydrocarbon Thickness
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Sample Date	TOC Elevation (feet MSL)	Depth to PSH (feet)	Depth to GW (feet)	PSH Thickness (feet)	GW Elevation (feet MSL)
MW-5	4/3/1998	500.84	-	61.05	-	439.79
MW-5	6/25/1998	500.84	-	61.05	-	439.79
MW-5	10/2/1998	500.84	-	61.77	-	439.07
MW-5	1/5/1999	500.84	-	60.31	-	440.53
MW-5	4/1/1999	500.84	-	62.24	-	438.60
MW-5	7/14/1999	500.84	-	62.76	-	438.08
MW-5	10/22/1999	500.84	-	63.08	-	437.76
MW-5	1/25/2000	500.84	-	63.51	-	437.33
MW-5	4/3/2000	500.84	-	63.84	-	437.00
MW-5	7/17/2000	500.84	-	64.35	-	436.49
MW-5	10/24/2000	500.84	-	64.68	-	436.16
MW-5	1/24/2001	500.84	-	Dry	-	Dry
MW-5	10/18/2001	500.84	-	Dry	-	Dry
MW-5	3/19/2002	500.84	-	Dry	-	Dry
MW-5	8/14/2002	500.84	-	Dry	-	Dry
MW-5	1/13/2003	500.84	-	Dry	-	Dry
MW-5	8/26/2003	500.84	-	Dry	-	Dry
MW-6: Screened Interval 433.60' to 456.60'						
MW-6	9/17/1996	Not Installed.				
MW-6	10/23/1996	496.27	-	55.53	-	440.74
MW-6	4/10/1997	496.27	-	56.28	-	439.99
MW-6	7/7/1997	496.27	-	56.58	-	439.69
MW-6	10/8/1997	496.27	-	56.68	-	439.59
MW-6	1/6/1998	496.27	-	57.23	-	439.04
MW-6	4/3/1998	496.27	-	57.49	-	438.78
MW-6	6/25/1998	496.27	-	57.49	-	438.78
MW-6	10/2/1998	496.27	-	57.17	-	439.10
MW-6	1/5/1999	496.27	-	56.88	-	439.39
MW-6	4/1/1999	496.27	-	58.52	-	437.75
MW-6	7/14/1999	496.27	-	59.08	-	437.19
MW-6	10/22/1999	496.27	-	59.36	-	436.91
MW-6	1/25/2000	496.27	-	59.77	-	436.50
MW-6	4/3/2000	496.27	-	60.08	-	436.19
MW-6	7/17/2000	496.27	-	60.50	-	435.77
MW-6	10/24/2000	496.27	-	60.86	-	435.41
MW-6	1/24/2001	496.27	-	61.22	-	435.05
MW-6	10/18/2001	496.27	-	Dry	-	Dry
MW-6	3/19/2002	496.27	-	Dry	-	Dry
MW-6	8/14/2002	496.27	-	Dry	-	Dry
MW-6	1/13/2003	496.27	-	62.57	-	433.70
MW-6	8/26/2003	496.27	-	Dry	-	Dry
MW-7: Screened Interval 426.40' to 446.40'						
MW-7	9/17/1996	Not Installed.				
MW-7	10/23/1996	Not Installed.				
MW-7	4/10/1997	495.44	-	57.28	-	438.16
MW-7	7/7/1997	495.44	-	57.54	-	437.90
MW-7	10/8/1997	495.44	-	57.85	-	437.59
MW-7	1/6/1998	495.44	-	58.17	-	437.27
MW-7	4/3/1998	495.44	-	58.47	-	436.97
MW-7	6/25/1998	495.44	-	58.70	-	436.74
MW-7	10/2/1998	495.44	-	58.99	-	436.45
MW-7	1/5/1999	495.44	-	57.85	-	437.59

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Monitor Well	Sample Date	TOC Elevation (feet MSL)	Depth to PSH (feet)	Depth to GW (feet)	PSH Thickness (feet)	GW Elevation (feet MSL)
MW-7	4/1/1999	495.44	-	59.36	-	436.08
MW-7	7/14/1999	495.44	-	59.84	-	435.60
MW-7	10/22/1999	495.44	-	60.14	-	435.30
MW-7	1/25/2000	495.44	-	60.58	-	434.86
MW-7	4/3/2000	495.44	-	60.83	-	434.61
MW-7	7/17/2000	495.44	-	61.10	-	434.34
MW-7	10/24/2000	495.44	-	61.46	-	433.98
MW-7	1/24/2001	495.44	-	61.84	-	433.60
MW-7	10/18/2001	495.44	-	62.79	-	432.65
MW-7	3/19/2002	495.44	-	63.43	-	432.01
MW-7	8/14/2002	495.44	-	63.67	-	431.77
MW-7	1/13/2003	495.44	-	63.65	-	431.79
MW-7	8/26/2003	495.44	63.91	63.92	<0.01*	431.52
MW-8: Screened Interval 430.90' to 450.90'						
MW-8	9/17/1996	Not Installed.				
MW-8	10/23/1996	Not Installed.				
MW-8	4/10/1997	501.81	-	60.32	-	441.49
MW-8	7/7/1997	501.81	-	60.67	-	441.14
MW-8	10/8/1997	501.81	-	61.00	-	440.81
MW-8	1/6/1998	501.81	-	61.35	-	440.46
MW-8	4/3/1998	501.81	-	61.61	-	440.20
MW-8	6/25/1998	501.81	-	61.87	-	439.94
MW-8	10/2/1998	501.81	-	62.27	-	439.54
MW-8	1/5/1999	501.81	-	61.00	-	440.81
MW-8	4/1/1999	501.81	-	62.79	-	439.02
MW-8	7/14/1999	501.81	-	63.19	-	438.62
MW-8	10/22/1999	501.81	-	63.51	-	438.30
MW-8	1/25/2000	501.81	-	63.97	-	437.84
MW-8	4/3/2000	501.81	-	64.26	-	437.55
MW-8	7/17/2000	501.81	-	64.68	-	437.13
MW-8	10/24/2000	501.81	-	65.04	-	436.77
MW-8	1/24/2001	501.81	-	64.38	-	437.43
MW-8	10/18/2001	501.81	-	66.51	-	435.30
MW-8	3/19/2002	501.81	-	66.99	-	434.82
MW-8	8/14/2002	501.81	-	67.23	-	434.58
MW-8	1/13/2003	501.81	-	67.12	-	434.69
MW-8	8/26/2003	501.81	-	67.41	-	434.40
MW-9: Screened Interval 429.50' to 449.50'						
MW-9	9/17/1996	Not Installed.				
MW-9	10/23/1996	Not Installed.				
MW-9	4/10/1997	496.85	-	56.29	-	440.56
MW-9	7/7/1997	496.85	-	56.66	-	440.19
MW-9	10/8/1997	496.85	-	57.00	-	439.85
MW-9	1/6/1998	496.85	-	57.38	-	439.47
MW-9	4/3/1998	496.85	-	57.67	-	439.18
MW-9	6/25/1998	496.85	-	57.95	-	438.90
MW-9	10/2/1998	496.85	-	58.34	-	438.51
MW-9	1/5/1999	496.85	-	57.00	-	439.85
MW-9	4/1/1999	496.85	-	58.73	-	438.12
MW-9	7/14/1999	496.85	-	59.31	-	437.54
MW-9	10/22/1999	496.85	-	59.61	-	437.24
MW-9	1/25/2000	496.85	-	60.07	-	436.78

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MW-9	4/3/2000	496.85	-	60.43	-	436.42
MW-9	7/17/2000	496.85	-	60.92	-	435.93
MW-9	10/24/2000	496.85	-	61.30	-	435.55
MW-9	1/24/2001	496.85	-	61.67	-	435.18
MW-9	10/18/2001	496.85	-	62.94	-	433.91
MW-9	3/19/2002	496.85	-	63.47	-	433.38
MW-9	8/14/2002	496.85	-	63.95	-	432.90
MW-9	1/13/2003	496.85	-	63.33	-	433.52
MW-9	8/26/2003	496.85	-	63.80	-	433.05
MW-10: Screened Interval 426.00' to 446.00'						
MW-10	9/17/1996	Not Installed.				
MW-10	10/23/1996	Not Installed.				
MW-10	4/10/1997	492.46	-	52.83	-	439.63
MW-10	7/7/1997	492.46	-	53.09	-	439.37
MW-10	10/8/1997	492.46	-	53.43	-	439.03
MW-10	1/6/1998	492.46	-	53.86	-	438.60
MW-10	4/3/1998	492.46	-	54.17	-	438.29
MW-10	6/25/1998	492.46	-	54.35	-	438.11
MW-10	10/2/1998	492.46	-	54.76	-	437.70
MW-10	1/5/1999	492.46	-	54.43	-	438.03
MW-10	4/1/1999	492.46	-	55.04	-	437.42
MW-10	7/14/1999	492.46	-	55.59	-	436.87
MW-10	10/22/1999	492.46	-	55.94	-	436.52
MW-10	1/25/2000	492.46	-	56.35	-	436.11
MW-10	4/3/2000	492.46	-	56.96	-	435.50
MW-10	7/17/2000	492.46	-	57.02	-	435.44
MW-10	10/24/2000	492.46	-	57.44	-	435.02
MW-10	1/24/2001	492.46	-	57.84	-	434.62
MW-10	10/18/2001	492.46	-	59.91	-	432.55
MW-10	3/19/2002	492.46	-	59.67	-	432.79
MW-10	8/14/2002	492.46	-	59.76	-	432.70
MW-10	1/13/2003	492.46	-	59.62	-	432.84
MW-10	8/26/2003	492.46	-	61.97	-	430.49

NOTES:
GW = Groundwater
PSH = Phase-separated hydrocarbons
* Sheen
TOC = Top of casing

TABLE 2
Cumulative Summary of Groundwater Analytical Results
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	Phenol (mg/l)	Naphthalene (mg/l)	Chlorides (mg/l)
MW-1	2/14/1996	**0.083**	<0.001	<0.001	0.01	--	--	--
MW-1	2/29/1996	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-1	4/20/1996	**0.305**	<0.001	0.002	0.032	<0.001	0.017	--
MW-1	10/23/1996	**0.352**	<0.001	0.026	0.081	0.025	0.010	--
MW-1	4/10/1997	**0.268**	<0.001	0.012	0.034	<0.001	0.007	--
MW-1	7/7/1997	**0.243**	--	--	--	--	0.005	--
MW-1	10/8/1997	**0.180**	<0.001	0.012	<0.001	--	0.003	<10
MW-1	1/5/1998	**0.138**	<0.001	0.008	<0.001	--	0.002	6.2
MW-1	4/3/1998	**0.109**	<0.001	0.004	0.006	--	0.003	51.0
MW-1	6/25/1998	**0.071**	<0.001	0.002	0.003	--	<0.001	7.3
MW-1	10/2/1998	**0.078**	<0.005	<0.005	<0.005	--	<0.001	14.0
MW-1	1/5/1999	0.005	<0.001	<0.001	<0.001	--	--	--
MW-1	4/1/1999	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-1	7/14/1999	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-1	10/22/1999	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-1	1/25/2000	0.001	<0.001	<0.001	<0.001	--	--	--
MW-1	4/3/2000	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-1	7/17/2000	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-1	10/24/2000	0.055	0.036	0.025	0.090	--	--	--
MW-1	1/24/2001	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-1	10/18/2001	Insufficient water column present to purge/sample.						
MW-1	3/19/2002	Insufficient water column present to purge/sample.						
MW-1	8/14/2002	Insufficient water column present to purge/sample.						
MW-1	1/13/2003	Insufficient water column present to purge/sample.						
MW-1	8/26/2003	Insufficient water column present to purge/sample.						
MW-2	10/23/1996	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
MW-2	4/10/1997	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
MW-2	7/7/1997	<0.001	--	--	--	--	--	--
MW-2	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	<0.001	19.0
MW-2	1/6/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	27.0
MW-2	4/3/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	96.0
MW-2	6/25/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	25.0
MW-2	10/2/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	--
MW-2	1/5/1999	Sampling discontinued as approved by OCD.						
MW-2	1/13/2003	Sampling discontinued as approved by OCD.						
MW-2	8/26/2003	Sampling discontinued as approved by OCD.						
MW-3	10/23/1996	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
MW-3	4/10/1997	**0.016**	<0.001	<0.001	<0.001	<0.001	<0.001	--
MW-3	7/7/1997	0.003	<0.001	<0.001	<0.001	--	--	--
MW-3	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	<0.001	64.0
MW-3	1/8/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	58.0
MW-3	4/3/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	130.0
MW-3	6/25/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	12.0
MW-3	10/2/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	46.0
MW-3	1/5/1999	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-3	4/1/1999	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-3	7/14/1999	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-3	10/22/1999	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-3	1/25/2000	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-3	4/3/2000	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-3	7/17/2000	**0.01**	<0.005	<0.005	<0.005	--	--	--
MW-3	10/24/2000	**0.02**	0.008	<0.005	0.014	--	--	--
MW-3	1/24/2001	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-3	10/18/2001	0.006	<0.001	<0.001	<0.001	--	--	--
MW-3	3/19/2002	<0.001	<0.001	<0.001	<0.001	--	--	--
MW-3	8/14/2002	Insufficient water column present to purge/sample.						
MW-3	1/13/2003	<0.005	<0.005	<0.005	<0.005	--	--	--
MW-3	8/26/2003	Insufficient water column present to purge/sample.						
MW-4	10/23/1996	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
MW-4	4/10/1997	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--
MW-4	7/7/1997	<0.001	--	--	--	--	--	--
MW-4	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	<0.001	<10
MW-4	1/6/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	10.0
MW-4	4/3/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	58.0
MW-4	6/25/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	11.0
MW-4	10/2/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	18.0
MW-4	1/5/1999	Sampling discontinued as approved by OCD.						
MW-4	1/13/2003	Sampling discontinued as approved by OCD.						
MW-4	8/26/2003	Sampling discontinued as approved by OCD. Well was dry.						

TABLE 2
Cumulative Summary of Groundwater Analytical Results
Former Hobbs Gas Plant
Hobbs (Lea County), New Mexico

Monitor Well	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)	Phenol (mg/l)	Naphthalene (mg/l)	Chlorides (mg/l)
MW-8	4/3/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	160.0
MW-8	6/25/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	26.0
MW-8	10/2/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	27.0
MW-8	1/5/1999	Sampling discontinued as approved by OCD.						
MW-8	1/13/2003	Sampling discontinued as approved by OCD.						
MW-8	8/26/2003	Sampling discontinued as approved by OCD.						
MW-9	10/23/1996	Well not installed.						
MW-9	4/10/1997	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	**320.0**
MW-9	7/7/1997	<0.001	--	--	--	--	--	41.0
MW-9	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	0.001	**560.0**
MW-9	1/6/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	**490.0**
MW-9	4/3/1998	<0.001	<0.001	<0.001	<0.001	--	0.001	**460.0**
MW-9	6/25/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	**290.0**
MW-9	10/2/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	**200.0**
MW-9	1/5/1999	<0.001	<0.001	<0.001	<0.001	--	--	**520.0**
MW-9	4/1/1999	<0.001	<0.001	<0.001	<0.001	--	--	**260.0**
MW-9	7/14/1999	<0.001	<0.001	<0.001	<0.001	--	--	**284.0**
MW-9	10/22/1999	<0.001	<0.001	<0.001	<0.001	--		**278.0**
MW-9	1/25/2000	<0.005	<0.005	<0.005	<0.005	--	--	**300.0**
MW-9	4/3/2000	<0.005	<0.005	<0.005	<0.005	--	--	**250.0**
MW-9	7/17/2000	<0.001	<0.001	<0.001	<0.001	--	--	95.0
MW-9	10/24/2000	<0.001	<0.001	<0.001	<0.001	--	--	40.0
MW-9	1/24/2001	<0.005	<0.005	<0.005	<0.005	--	--	42.0
MW-9	10/18/2001	<0.001	<0.001	<0.001	<0.001	--	--	166.0
MW-9	3/19/2002	0.0046	<0.001	<0.001	<0.001	--	--	77.5
MW-9	8/14/2002	0.0022	<0.001	<0.001	<0.001	--	--	106.0
MW-9	1/13/2003	<0.001	<0.001	<0.001	<0.001	--	--	92.1
MW-9	8/26/2003	<0.005	<0.005	<0.005	<0.005	--	--	111.0
MW-10	10/23/1996	Well not installed.						
MW-10	4/10/1997	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	--
MW-10	7/7/1997	<0.001	--	--	--	--	--	8.8
MW-10	10/8/1997	<0.001	<0.001	<0.001	<0.001	--	0.001	110.0
MW-10	1/6/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	101.0
MW-10	4/3/1998	<0.001	<0.001	<0.001	<0.001	--	0.001	180.0
MW-10	6/25/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	140.0
MW-10	10/2/1998	<0.001	<0.001	<0.001	<0.001	--	<0.001	160.0
MW-10	1/5/1999	<0.001	<0.001	<0.001	<0.001	--	--	140.0
MW-10	4/1/1999	<0.001	<0.001	<0.001	<0.001	--	--	128.0
MW-10	7/14/1999	<0.001	<0.001	<0.001	<0.001	--	--	124.0
MW-10	10/22/1999	<0.001	<0.001	<0.001	<0.001	--		122.0
MW-10	1/25/2000	<0.001	<0.001	<0.001	<0.001	--	--	120.0
MW-10	4/3/2000	<0.001	<0.001	<0.001	<0.001	--	--	130.0
MW-10	7/17/2000	<0.005	<0.005	<0.005	<0.005	--	--	130.0
MW-10	10/24/2000	<0.001	<0.001	<0.001	<0.001	--	--	150.0
MW-10	1/24/2001	<0.005	<0.005	<0.005	<0.005	--	--	18.0
MW-10	10/18/2001	<0.001	<0.001	<0.001	<0.001	--	--	119.0
MW-10	3/19/2002	0.0043	<0.001	<0.001	<0.001	--	--	78.9
MW-10	8/14/2002	<0.001	<0.001	<0.001	<0.001	--	--	96.4
MW-10	1/13/2003	<0.001	<0.001	<0.001	<0.001	--	--	140.0
MW-10	8/26/2003	<0.001	0.0012	<0.001	<0.001	--	--	162.0

NOTE: Shaded and bolded areas indicate value is at or above the New Mexico Water Quality Commission established guideline levels: benzene = 0.01 mg/L and chlorides = 250 mg/L.
mg/L = milligrams per Liter or parts per million.

APPENDIX A

SAMPLING REPORT

ON

MW-3/MW-7/MW-9/MW-10

(January 13, 2003)

Summary Report

Scott Springer
Eco-Logical Environmental Services
2200 Market Street
Midland, TX 79703

Report Date: January 29, 2003

Order ID Number: A03011716

Project Number: 279-512
Project Name: Former Hobbs Gas Plant
Project Location: Hobbs, NM

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
218929	MW-3	Water	1/13/03	15:30	1/17/03
218930	MW-7	Water	1/13/03	15:00	1/17/03
218931	MW-9	Water	1/13/03	14:45	1/17/03
218932	MW-10	Water	1/13/03	13:00	1/17/03
218933	Dup	Water	1/13/03	:	1/17/03
218934	Rinse	Water	1/13/03	:	1/17/03
218935	Trip	Water	1/13/03	:	1/17/03

0 This report consists of a total of 2 page(s) and is intended only as a summary of results for the sample(s) listed above.

	BTEX				
Sample - Field Code	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	M,P,O-Xylene (ppm)	Total BTEX (ppm)
218929 - MW-3	<0.005	<0.005	<0.005	<0.005	<0.005
218930 - MW-7	0.799	<0.005	<0.005	<0.005	0.799
218931 - MW-9	<0.001	<0.001	<0.001	<0.001	<0.001
218932 - MW-10	<0.001	<0.001	<0.001	<0.001	<0.001
218933 - Dup	0.779	<0.005	<0.005	<0.005	0.779
218934 - Rinse	<0.001	<0.001	<0.001	<0.001	<0.001
218935 - Trip	<0.001	<0.001	<0.001	<0.001	<0.001

Sample: 218930 - MW-7

Param	Flag	Result	Units
Chloride		38.5	mg/L

Sample: 218931 - MW-9

Param	Flag	Result	Units
Chloride		92.1	mg/L

This is only a summary. Please, refer to the complete report package for quality control data.

Sample: 218932 - MW-10

Param	Flag	Result	Units
Chloride		140	mg/L

Sample: 218933 - Dup

Param	Flag	Result	Units
Chloride		39.5	mg/L

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
155 McCutcheon, Suite H El Paso, Texas 79932 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Scott Springer
Eco-Logical Environmental Services
2200 Market Street
Midland, TX 79703

Report Date: January 29, 2003

Order ID Number: A03011716

Project Number: 279-512
Project Name: Former Hobbs Gas Plant
Project Location: Hobbs, NM

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace-Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
218929	MW-3	Water	1/13/03	15:30	1/17/03
218930	MW-7	Water	1/13/03	15:00	1/17/03
218931	MW-9	Water	1/13/03	14:45	1/17/03
218932	MW-10	Water	1/13/03	13:00	1/17/03
218933	Dup	Water	1/13/03	:	1/17/03
218934	Rinse	Water	1/13/03	:	1/17/03
218935	Trip	Water	1/13/03	:	1/17/03

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed. Note: the RDL is equal to MQL for all organic analytes including TPH.
The test results contained within this report meet all requirements of LAC 33:I unless otherwise noted.

Note: Samples will be disposed of 30 days from the report date unless the lab is contacted before the 30 days has past.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 218929 - MW-3

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC26323	Date Analyzed:	1/17/03
Analyst:	CG	Preparation Method:	S 5030B	Prep Batch:	PB24314	Date Prepared:	1/17/03

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.005	mg/L	5	0.001
Toluene		<0.005	mg/L	5	0.001
Ethylbenzene		<0.005	mg/L	5	0.001
M,P,O-Xylene		<0.005	mg/L	5	0.001
Total BTEX		<0.005	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.086	mg/L	5	0.10	86	70 - 130
4-BFB		0.078	mg/L	5	0.10	78	70 - 130

Sample: 218930 - MW-7

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC26359	Date Analyzed:	1/20/03
Analyst:	CG	Preparation Method:	S 5030B	Prep Batch:	PB24347	Date Prepared:	1/20/03

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.799	mg/L	5	0.001
Toluene		<0.005	mg/L	5	0.001
Ethylbenzene		<0.005	mg/L	5	0.001
M,P,O-Xylene		<0.005	mg/L	5	0.001
Total BTEX		0.799	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.1	mg/L	5	0.10	100	70 - 130
4-BFB		0.101	mg/L	5	0.10	101	70 - 130

Sample: 218930 - MW-7

Analysis:	Ion Chromatography (IC)	Analytical Method:	E 300.0	QC Batch:	QC26568	Date Analyzed:	1/25/03
Analyst:	JSW	Preparation Method:	N/A	Prep Batch:	PB24487	Date Prepared:	1/25/03

Param	Flag	Result	Units	Dilution	RDL
Chloride		38.5	mg/L	5	1

Sample: 218931 - MW-9

Analysis:	BTEX	Analytical Method:	S 8021B	QC Batch:	QC26323	Date Analyzed:	1/17/03
Analyst:	CG	Preparation Method:	S 5030B	Prep Batch:	PB24314	Date Prepared:	1/17/03

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.099	mg/L	1	0.10	99	70 - 130
4-BFB		0.092	mg/L	1	0.10	92	70 - 130

Sample: 218931 - MW-9

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC26568 Date Analyzed: 1/25/03
Analyst: JSW Preparation Method: N/A Prep Batch: PB24487 Date Prepared: 1/25/03

Param	Flag	Result	Units	Dilution	RDL
Chloride		92.1	mg/L	5	1

Sample: 218932 - MW-10

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC26323 Date Analyzed: 1/17/03
Analyst: CG Preparation Method: S 5030B Prep Batch: PB24314 Date Prepared: 1/17/03

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0993	mg/L	1	0.10	99	70 - 130
4-BFB		0.0903	mg/L	1	0.10	90	70 - 130

Sample: 218932 - MW-10

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC26568 Date Analyzed: 1/25/03
Analyst: JSW Preparation Method: N/A Prep Batch: PB24487 Date Prepared: 1/25/03

Param	Flag	Result	Units	Dilution	RDL
Chloride		140	mg/L	10	1

Sample: 218933 - Dup

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC26359 Date Analyzed: 1/20/03
Analyst: CG Preparation Method: S 5030B Prep Batch: PB24347 Date Prepared: 1/20/03

Param	Flag	Result	Units	Dilution	RDL
Benzene		0.779	mg/L	5	0.001
Toluene		<0.005	mg/L	5	0.001
Ethylbenzene		<0.005	mg/L	5	0.001
M,P,O-Xylene		<0.005	mg/L	5	0.001
Total BTEX		0.779	mg/L	5	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.098	mg/L	5	0.10	98	70 - 130
4-BFB		0.099	mg/L	5	0.10	99	70 - 130

Sample: 218933 - Dup

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC26568 Date Analyzed: 1/25/03
Analyst: JSW Preparation Method: N/A Prep Batch: PB24487 Date Prepared: 1/25/03

Param	Flag	Result	Units	Dilution	RDL
Chloride		39.5	mg/L	5	1

Sample: 218934 - Rinse

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC26323 Date Analyzed: 1/17/03
Analyst: CG Preparation Method: S 5030B Prep Batch: PB24314 Date Prepared: 1/17/03

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.0967	mg/L	1	0.10	97	70 - 130
4-BFB		0.0866	mg/L	1	0.10	87	70 - 130

Sample: 218935 - Trip

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC26359 Date Analyzed: 1/20/03
Analyst: CG Preparation Method: S 5030B Prep Batch: PB24347 Date Prepared: 1/20/03

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.001	mg/L	1	0.001
Toluene		<0.001	mg/L	1	0.001
Ethylbenzene		<0.001	mg/L	1	0.001
M,P,O-Xylene		<0.001	mg/L	1	0.001
Total BTEX		<0.001	mg/L	1	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.105	mg/L	1	0.10	105	70 - 130
4-BFB		0.105	mg/L	1	0.10	105	70 - 130

Quality Control Report
Method Blank

Method Blank

QCBatch: QC26323

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.001	mg/L	0.001
Toluene		<0.001	mg/L	0.001
Ethylbenzene		<0.001	mg/L	0.001
M,P,O-Xylene		<0.001	mg/L	0.001
Total BTEX		<0.001	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.096	mg/L	1	0.10	96	70 - 130
4-BFB		0.0834	mg/L	1	0.10	83	70 - 130

Method Blank

QCBatch: QC26359

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.001	mg/L	0.001
Toluene		<0.001	mg/L	0.001
Ethylbenzene		<0.001	mg/L	0.001
M,P,O-Xylene		<0.001	mg/L	0.001
Total BTEX		<0.001	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.101	mg/L	1	0.10	101	70 - 130
4-BFB		0.0999	mg/L	1	0.10	100	70 - 130

Method Blank

QCBatch: QC26568

Param	Flag	Results	Units	Reporting Limit
Chloride		<1.0	mg/L	1

Quality Control Report
Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes

QCBatch: QC26323

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.103	0.0992	mg/L	1	0.10	<0.001	103	4	70 - 130	20
Benzene	0.0948	0.0925	mg/L	1	0.10	<0.001	95	2	70 - 130	20
Toluene	0.0943	0.0927	mg/L	1	0.10	<0.001	94	2	70 - 130	20
Ethylbenzene	0.0942	0.0928	mg/L	1	0.10	<0.001	94	1	70 - 130	20
M,P,O-Xylene	0.281	0.278	mg/L	1	0.30	<0.001	94	1	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	0.0966	0.0948	mg/L	1	0.10	97	95	70 - 130
4-BFB	0.102	0.102	mg/L	1	0.10	102	102	70 - 130

Laboratory Control Spikes

QCBatch: QC26359

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.101	0.0988	mg/L	1	0.10	<0.001	101	2	70 - 130	20
Benzene	0.0993	0.0966	mg/L	1	0.10	<0.001	99	3	70 - 130	20
Toluene	0.102	0.0995	mg/L	1	0.10	<0.001	102	2	70 - 130	20
Ethylbenzene	0.104	0.101	mg/L	1	0.10	<0.001	104	3	70 - 130	20
M,P,O-Xylene	0.311	0.304	mg/L	1	0.30	<0.001	104	2	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	0.102	0.0937	mg/L	1	0.10	102	94	70 - 130
4-BFB	0.102	0.0981	mg/L	1	0.10	102	98	70 - 130

Laboratory Control Spikes

QCBatch: QC26568

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	[1] 12.22	12.31	mg/L	1	12.50	<1.0	97	0	90 - 110	20
Nitrate-N	[2] 2.47	2.48	mg/L	1	2.50	<0.2	98	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Quality Control Report
Continuing Calibration Verification Standards

CCV (1)

QCBatch: QC26323

[1]Matrix difficulties.
[2]Matrix difficulties

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0986	99	85 - 115	1/17/03
Benzene		mg/L	0.10	0.0965	96	85 - 115	1/17/03
Toluene		mg/L	0.10	0.094	94	85 - 115	1/17/03
Ethylbenzene		mg/L	0.10	0.0938	94	85 - 115	1/17/03
M,P,O-Xylene		mg/L	0.30	0.279	93	85 - 115	1/17/03

CCV (2) QCBatch: QC26323

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.095	95	85 - 115	1/17/03
Benzene		mg/L	0.10	0.094	94	85 - 115	1/17/03
Toluene		mg/L	0.10	0.095	95	85 - 115	1/17/03
Ethylbenzene		mg/L	0.10	0.094	94	85 - 115	1/17/03
M,P,O-Xylene		mg/L	0.30	0.279	93	85 - 115	1/17/03

ICV (1) QCBatch: QC26323

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.102	102	85 - 115	1/17/03
Benzene		mg/L	0.10	0.0926	93	85 - 115	1/17/03
Toluene		mg/L	0.10	0.0932	93	85 - 115	1/17/03
Ethylbenzene		mg/L	0.10	0.0964	96	85 - 115	1/17/03
M,P,O-Xylene		mg/L	0.30	0.289	96	85 - 115	1/17/03

CCV (1) QCBatch: QC26359

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.099	99	85 - 115	1/20/03
Benzene		mg/L	0.10	0.101	101	85 - 115	1/20/03
Toluene		mg/L	0.10	0.102	102	85 - 115	1/20/03
Ethylbenzene		mg/L	0.10	0.104	104	85 - 115	1/20/03
M,P,O-Xylene		mg/L	0.30	0.312	104	85 - 115	1/20/03

CCV (2) QCBatch: QC26359

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.099	99	85 - 115	1/20/03
Benzene		mg/L	0.10	0.101	101	85 - 115	1/20/03
Toluene		mg/L	0.10	0.102	102	85 - 115	1/20/03
Ethylbenzene		mg/L	0.10	0.104	104	85 - 115	1/20/03
M,P,O-Xylene		mg/L	0.30	0.312	104	85 - 115	1/20/03

ICV (1) QCBatch: QC26359

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.103	103	85 - 115	1/20/03
Benzene		mg/L	0.10	0.102	102	85 - 115	1/20/03
Toluene		mg/L	0.10	0.105	105	85 - 115	1/20/03
Ethylbenzene		mg/L	0.10	0.106	106	85 - 115	1/20/03
M,P,O-Xylene		mg/L	0.30	0.320	107	85 - 115	1/20/03

CCV (1) QCBatch: QC26568

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	12.40	99	90 - 110	1/25/03
Nitrate-N		mg/L	2.50	2.53	101	90 - 110	1/25/03

ICV (1) QCBatch: QC26568

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	12.61	100	90 - 110	1/25/03
Nitrate-N		mg/L	2.50	2.54	101	90 - 110	1/25/03

218929-35

Page 1 of 1

6701 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

TraceAnalysis, Inc.

155 McCutcheon,Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # A0301171G

Company Name: ECO-LOGICAL ENVIRONMENTAL
Phone #: 915-520-7535
Address: (Street, City, Zip) 2200 MARKET ST MIDLAND 79703
Fax #: 915-520-7737
Contact Person: SHANE ESTED
Invoice to: (If different from above) KINDER/MORGAN
Project #: 275-512
Project Name: FORMER HOBBS PLANT
Project Location: HOBBS
Sampler Signature: Scott Speer

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
218929	MW-3	4/2	VOA	1										1-13	1530
30	MW-7	3	VOA												1500
31	MW-9	1	1												1445
32	MW-10	1	1												1300
33	DUP	3	1												
34	RINSE	2	VOA												
35	TRIP	2	1												

MTBE 8021B/602 · BTEX 8021B/602 · TPH 418.1/TX1005 · PAH 8270C · Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7 · TCLP Metals Ag As Ba Cd Cr Pb Se Hg · TCLP Volatiles · TCLP Semi Volatiles · TCLP Pesticides · RCI · GC/MS Vol. 8260B/624 · GC/MS Semi. Vol. 8270C/625 · PCB's 8082/608 · Pesticides 8081A/608 · BOD, TSS, pH · CHLORIDES · Turn Around Time if different from standard · Hold

	Relinquished by:	Date:	Time:	Received by:	Date:	Time:
1	Scott Speer	1-16-03	1320	Helen Shelton	1/16/03	1320
2	Helen Shelton	1/16/03	1830			
3				Received at Laboratory by: Vicki Nunez	1/17/03	10:00

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C. 18 sample-HS

ORIGINAL COPY

LAB USE ONLY

Intact Y / N
Headspace Y / N
Temp 4° C
Log-in Review MA

REMARKS: P+F 1/29/03

☐ Check If Special Reporting Limits Are Needed

Carrier # Greyhound GLI 166-130-3259

APPENDIX B

SAMPLING REPORT

ON

MW-9 and MW-10

(August 26, 2003)

Summary Report

Frank P. Frey
TRC
2313 W Sam Houston Parkway N.
Suite 107
Houston, TX 77013

Report Date: September 8, 2003
Work Order: 3090309

Project Name: Former Hobbs Gas Plant

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
16538	40299.0002.00002/MW09	water	2003-08-26	17:20	2003-09-03
16539	40299.0002.00002/MW10	water	2003-08-26	00:00	2003-09-03

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (isomers) (mg/L)
16538 - 40299.0002.00002/MW09	<0.00500	<0.00500	<0.00500	<0.00500
16539 - 40299.0002.00002/MW10	<0.00100	0.00120	<0.00100	<0.00100

Sample: 16538 - 40299.0002.00002/MW09

Param	Flag	Result	Units	RL
Chloride		111	mg/L	0.500

Sample: 16539 - 40299.0002.00002/MW10

Param	Flag	Result	Units	RL
Chloride		162	mg/L	0.500

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
155 McCutcheon, Suite H El Paso, Texas 79932 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Frank P. Frey
TRC
2313 W Sam Houston Parkway N.
Suite 107
Houston, TX 77013

Report Date: September 8, 2003

Work Order: 3090309

Project Name: Former Hobbs Gas Plant
Project Number: Former Hobbs Gas Plant

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
16538	40299.0002.00002/MW09	water	2003-08-26	17:20	2003-09-03
16539	40299.0002.00002/MW10	water	2003-08-26	00:00	2003-09-03

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 16538 - 40299.0002.00002/MW09

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	4211	Date Analyzed:	2003-09-05	Analyzed By:	MT
Prep Batch:	3777	Date Prepared:	2003-09-05	Prepared By:	MT

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.00500		mg/L	5	0.00100
Toluene		<0.00500		mg/L	5	0.00100
Ethylbenzene		<0.00500		mg/L	5	0.00100
Xylene (isomers)		<0.00500		mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.485	mg/L	5	0.100	97	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.547	mg/L	5	0.100	109	77.8 - 110

Sample: 16538 - 40299.0002.00002/MW09

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	4161	Date Analyzed:	2003-09-04	Analyzed By:	JSW
Prep Batch:	3732	Date Prepared:	2003-09-03	Prepared By:	JSW

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		111		mg/L	10	0.500

Sample: 16539 - 40299.0002.00002/MW10

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	4176	Date Analyzed:	2003-09-03	Analyzed By:	MT
Prep Batch:	3744	Date Prepared:	2003-09-03	Prepared By:	MT

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.00100		mg/L	1	0.00100
Toluene		0.00120		mg/L	1	0.00100
Ethylbenzene		<0.00100		mg/L	1	0.00100
Xylene (isomers)		<0.00100		mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.100	mg/L	1	0.100	100	61 - 127
4-Bromofluorobenzene (4-BFB)		0.0849	mg/L	1	0.100	85	72.6 - 130

Sample: 16539 - 40299.0002.00002/MW10

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A

QC Batch: 4161 | Date Analyzed: 2003-09-04 | Analyzed By: JSW
Prep Batch: 3732 | Date Prepared: 2003-09-03 | Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		162	mg/L	50	0.500

Method Blank (1) QC Batch: 4161

Parameter	Flag	Result	Units	RL
Chloride		<0.500	mg/L	0.5

Method Blank (1) QC Batch: 4176

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene (isomers)		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.115	mg/L	1	0.100	115	61 - 127
4-Bromofluorobenzene (4-BFB)		0.100	mg/L	1	0.100	100	72.6 - 130

Method Blank (1) QC Batch: 4211

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene (isomers)		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0852	mg/L	1	0.100	85	78.7 - 110
4-Bromofluorobenzene (4-BFB)		0.0961	mg/L	1	0.100	96	77.8 - 110

Laboratory Control Spike (LCS-1) QC Batch: 4161

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	11.3	11.7	mg/L	1	12.5	<1.49	90	3	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 4176

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0992	0.0990	mg/L	1	0.100	<0.000350	99	0	77.7 - 115	20
Benzene	0.0992	0.0990	mg/L	1	0.100	<0.000350	99	0	77.7 - 115	20
Toluene	0.0984	0.0982	mg/L	1	0.100	<0.000550	98	0	76.5 - 114	20
Toluene	0.0984	0.0982	mg/L	1	0.100	<0.000550	98	0	76.5 - 114	20
Ethylbenzene	0.0991	0.0993	mg/L	1	0.100	<0.000690	99	0	78.7 - 112	20
Ethylbenzene	0.0991	0.0993	mg/L	1	0.100	<0.000690	99	0	78.7 - 112	20
Xylene (isomers)	0.293	0.294	mg/L	1	0.300	<0.000610	98	0	66.3 - 123	20
Xylene (isomers)	0.293	0.294	mg/L	1	0.300	<0.000610	98	0	66.3 - 123	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.113	0.111	mg/L	1	0.100	113	111	61 - 127
Trifluorotoluene (TFT)	0.113	0.111	mg/L	1	0.100	113	111	61 - 127
4-Bromofluorobenzene (4-BFB)	0.111	0.109	mg/L	1	0.100	111	109	72.6 - 130
4-Bromofluorobenzene (4-BFB)	0.111	0.109	mg/L	1	0.100	111	109	72.6 - 130

Laboratory Control Spike (LCS-1) QC Batch: 4211

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0950	0.0929	mg/L	1	0.100	<0.000410	95	2	80.5 - 113	20
Toluene	0.0940	0.0921	mg/L	1	0.100	<0.000760	94	2	81.2 - 112	20
Ethylbenzene	0.0941	0.0922	mg/L	1	0.100	<0.00120	94	2	82.2 - 112	20
Xylene (isomers)	0.266	0.259	mg/L	1	0.300	<0.00121	89	3	80.6 - 112	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0934	0.0921	mg/L	1	0.100	93	92	78.7 - 110
4-Bromofluorobenzene (4-BFB)	0.0968	0.0961	mg/L	1	0.100	97	96	77.8 - 110

Matrix Spike (MS-1) QC Batch: 4161

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride [1]	701	724	mg/L	50	12.5	162	86	3	32.7 - 136	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1) QC Batch: 4161

[1] Julie Winters must enter a comment.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	13.8	110	90 - 110	2003-09-04

Standard (CCV-1) QC Batch: 4161

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.1	97	90 - 110	2003-09-04

Standard (CCV-1) QC Batch: 4176

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.102	102	85 - 115	2003-09-03
Toluene		mg/L	0.100	0.102	102	85 - 115	2003-09-03
Ethylbenzene		mg/L	0.100	0.102	102	85 - 115	2003-09-03
Xylene (isomers)		mg/L	0.300	0.301	100	85 - 115	2003-09-03

Standard (CCV-2) QC Batch: 4176

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0992	99	85 - 115	2003-09-03
Toluene		mg/L	0.100	0.0981	98	85 - 115	2003-09-03
Ethylbenzene		mg/L	0.100	0.0979	98	85 - 115	2003-09-03
Xylene (isomers)		mg/L	0.300	0.289	96	85 - 115	2003-09-03

Standard (ICV-1) QC Batch: 4211

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0961	96	85 - 115	2003-09-05
Toluene		mg/L	0.100	0.0980	98	85 - 115	2003-09-05
Ethylbenzene		mg/L	0.100	0.0973	97	85 - 115	2003-09-05
Xylene (isomers)		mg/L	0.300	0.273	91	85 - 115	2003-09-05

Standard (CCV-1) QC Batch: 4211

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0975	98	85 - 115	2003-09-05
Toluene		mg/L	0.100	0.0971	97	85 - 115	2003-09-05
Ethylbenzene		mg/L	0.100	0.0951	95	85 - 115	2003-09-05
Xylene (isomers)		mg/L	0.300	0.268	89	85 - 115	2003-09-05

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Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

TraceAnalysis, Inc.

155 McCutcheon, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 3090309

Company Name: TRC
Phone #: 713-821-6090
Address: (Street, City, Zip) 2313 W. Sam Houston Parkway N. Su.107, Houston, Tx 77043
Fax #: 713-8216000
Contact Person: Mr. Frank P. Frey P.E.
Invoice to: (If different from above)
Project #:
Project Name: Former Hobbs Gas Plant
Project Location: Former Hobbs Gas Plant
Sampler Signature: Mike Vick/Mike Vick - Primo Sipin/Primo Sipin

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
16538	40299.0002.00002/MW09	2 VOAs		X				X						8.26.03	1720
	40299.0002.00002/MW09	1	250 mL	X										8.26.03	1720
16539	40299.0002.00002/MW10	2 VOAs		X				X							
	40299.0002.00002/MW10	1	250 mL	X											

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol 8260B/624	GC/MS Semi Vol 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD TSS pH	Total Chlorides - Method 300						Turn Around Time if different from standard	Hold
	X														X							
															X							
	X																					
															X							

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	9-02-03	11:15			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by: [signature]	9303	1007

LAB USE ONLY
Intact (Y) N
Headspace Y / N
Temp 2°
Log-in Review

REMARKS:

☐ Check if Special Reporting Limits Are Needed

Carrier # Fed Ex 840772974687

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

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