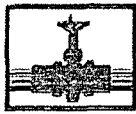


AP - 29

REPORT

DATE:

2006



**PLAINS
ALL AMERICAN**

AP-29
Report
2006

March 28, 2007

Mr. Ben Stone
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Plains All American – Annual Monitoring Reports
6 Sites in Lea County, New Mexico

Dear Mr. Stone:

Plains All American is an operator of crude oil pipelines and terminal facilities in the state of New Mexico. Plains All American actively monitors certain historical release sites exhibiting groundwater impacts, consistent with assessments and work plans developed in consultation with the New Mexico Oil Conservation Division (NMOCD). In accordance with the rules and regulations of the NMOCD, Plains All American hereby submits our Annual Monitoring reports for the following sites:

CS Caylor
Lovington Deep 6"
Hobbs Junction Mainline
~ Kimbrough Sweet 8"
8" Moore to Jal #1
8" Moore to Jal #2

Section 6, Township 17 South, Range 37 East, Lea County
Section 6, Township 17 South, Range 36 East, Lea County
Section 26, Township 18 South, Range 37 East, Lea County
Section 3, Township 18 South, Range 37 East, Lea County
Section 16, Township 17 South, Range 37 East, Lea County
Section 16, Township 17 South, Range 37 East, Lea County

Talon LPE prepared these documents and has vouched for their accuracy and completeness, and on behalf of Plains All American, I have personally reviewed the documents and interviewed Talon in order to verify the accuracy and completeness of these documents. It is based upon these inquiries and reviews that Plains All American submits the enclosed Annual Monitoring Reports for the above facilities.

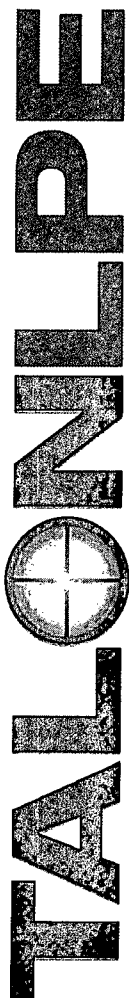
If you have any questions or require further information, please contact me at (505) 441-0965.

Sincerely,

Camille Reynolds
Remediation Coordinator
Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosures



KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
2006 ANNUAL GROUNDWATER MONITORING
REPORT
LEA COUNTY, NEW MEXICO
PLAINS SRS #2000-10757

Section 3, Township 18 South, Range 37 East

Prepared for:

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Marc Stroope
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March 22, 2007

Kimbrough Sweet 8"
2006 Annual Groundwater Monitoring Report

Plains Marketing, L.P.
Houston, Texas

Talon/LPE PROJECT NO. PLAINS045SPL

Prepared by:



Marc Stroope
Senior Project Manager



Kyle Waggoner
Senior Project Manager

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March 22, 2007

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NMOCD - New Mexico Oil Conservation Division

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ANNUAL GROUNDWATER MONITORING REPORT

Introduction

The Kimbrough Sweet 8" site is located approximately 7 miles northwest of Hobbs, Lea County, New Mexico on property owned by the state of New Mexico. There are no residences, groundwater wells or surface water bodies within a 1,000-foot radius of the site. The initial release occurred from the 8" steel pipeline on October 25, 2000. At the time of the release, the pipeline was under the ownership of EOTT Energy Pipeline. Subsequently, EOTT changed its name to Link Energy in October 2003, and Plains Pipeline, L.P. (Plains) purchased the assets of Link Energy on April 1, 2004. Approximately 60 barrels (bbls) of crude oil were released and impacted approximately 15,613 feet of surface area and approximately 22 bbls were recovered.

On February 5, 2007, Talon/LPE was retained by Plains to assume remediation activities at the Kimbrough 8" Sweet release site. Remediation activities at the site were previously conducted by Environmental Plus, Inc. (EPI). Talon/LPE is preparing this report based on data collected by EPI. Field notes were not available at the time this report was prepared.

Previous Site Investigation/Remediation

During preliminary site delineation activities conducted in March 2001, it was determined that groundwater, which occurs approximately 50 feet below ground surface (bgs), had been impacted by the crude oil release. In July 2001, in accordance with the "Kimbrough Sweet Soil and Groundwater Remediation Plan," impacted soils down to a depth of 17 feet bgs were excavated and treated with MicroBlaze Spill Control. A 2-foot thick compacted clay barrier was installed at the base of the excavation and approximately 16,500 cubic yards of remediated soil were placed on the clay barrier. Analyses of soil samples collected in 2002, 2003, and 2004 indicated the average total petroleum hydrocarbons (TPH) concentration in the bio-cell attenuated from approximately 5,300 mg/Kg in 2002 to approximately 2,000 mg/Kg in 2004.

In addition to soil evaluation at the site, a total of eleven (11) groundwater monitor wells have been installed in the vicinity of the release (see Figure 1). With NMOCD approval and landowner concurrence, groundwater monitor wells MW-1, MW-2, MW-3, and MW-4 were installed in January 2002. Ground monitor wells MW-5, MW-7, MW-8, and MW-9 were installed in July 2004, and MW-6, MW-10, and MW-11 were installed in December 2004.

PSH recovery operations have been performed at the site since January 2002. A summary of the historical groundwater and PSH gauging is provided as Table 1. Approximately 3,092 gallons (74 bbls) of PSH have been recovered to date.

Groundwater Gradient and PSH Thickness

Based on gauging data collected during 2006, groundwater elevations measured at the site generally varied by less than three (3) feet during the course of the calendar year. Additionally, groundwater elevations at the site indicate "mounding" of the potentiometric

surface in the vicinity of the release, which results in a variable apparent groundwater flow direction across the site. The overall groundwater gradient across the site appears to trend generally to the south and east. Based on available data, the groundwater gradient slope varies across the site, with apparent values of >0.006 ft/ft near the "mounded" areas to <0.002 ft/ft in outlying areas.

The observed "mounding" may be due to an estimated assignment of the specific gravity of crude oil at the site, since the effect appears limited to locations with PSH. Groundwater gradient maps are presented as Figures 2a through 2d.

During 2006 gauging events, PSH thickness readings from the monitor wells ranged from "not-present" to a maximum of 9.08 feet (MW-6). Due to continual product recovery operations, the PSH affected monitor wells appear to exhibit somewhat inconsistent PSH thickness readings. Based on available data, the PSH thickness in monitor wells MW-7 and MW-9 appear to be increasing. The PSH thickness appears to be decreasing slightly in the vicinity of monitor well MW-2. PSH thickness measurements for selected dates are presented as Figures 3a through 3d.

PSH Recovery

In 2006, approximately 630 gallons (15 bbls) of crude oil were recovered and reintroduced into the Plains pipeline system at Lea Station. The total volume of PSH recovered as of December 31, 2006, including the 2,462 gallons (59 bbls) recovered from 2002 through 2005, is 3,092 gallons (74 bbls).

Groundwater Sampling

Based on recommendations of the NMOCD, monitor wells MW-1, MW-3, and MW-4 were sampled and analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX) semi-annually and poly-aromatic hydrocarbons (PAH) annually. Monitor well MW-10 will be sampled and analyzed for BTEX quarterly and PAH annually.

Groundwater sampling events occurred on March 1, May 25, August 10, and November 29, 2006. During the sampling events that occurred on March 1 and August 10, groundwater samples collected from MW-1, MW-3, MW-4, and MW-10 were submitted for quantification of BTEX using EPA Method 8260B. Additionally, groundwater samples from the March 1 sampling event were submitted for quantification of PAH's using EPA Methods 610 and 8270C. On May 25 and November 29 groundwater samples collected from monitor well MW-10 were submitted for quantification of BTEX by EPA Method 8260B.

Groundwater samples were not collected from monitor wells MW-2, MW-5 through MW-9, and MW-11 in 2006 due to the presence of PSH. If the PSH levels in such monitor wells decline to nil, such monitor wells will be added to the quarterly sampling/analysis schedule.

Groundwater Analytical Results

Groundwater analytical data from this site were compared to the New Mexico Water Quality

Control Commission (NMWQCC) groundwater standards. The following paragraphs provide summaries of the analytical results from each groundwater sampling event of 2006. Analytical results for the four sampling events are summarized in Table 2 (BTEX) and Table 3 (PAH). Laboratory data sheets are included as Appendix C.

New Mexico Water Quality Control Commission (NMWQCC) groundwater standards

Compound	µg/L
Benzene	10
Toluene	750
Ethylbenzene	750
Total Xylenes	620
PAH's	30

March 1, 2006

During the March 1, 2006 sampling event, groundwater samples collected from monitor wells MW-1, MW-3, MW-4, and MW-10 were submitted for quantification of BTEX and PAH. Analytical results indicate that benzene was detected above the laboratory reporting limit but below the NMWQCC groundwater standard in monitor well MW-4. PAH constituents were reported above laboratory reporting limits in monitor wells MW-1 (naphthalene at 0.061 µg/L) and MW-4 (naphthalene at 0.053 µg/L). Each of these PAH concentrations are below the NMWQCC groundwater standards.

May 25, 2006

On May 25, 2006, groundwater samples collected from monitor well MW-10 were submitted for quantification of BTEX. Analytical results indicate that BTEX constituents were not detected above the laboratory reporting limit in monitor well MW-10. The remaining wells were not sampled during this event.

August 10, 2006

During the August 10, 2006 sampling event, groundwater samples collected from monitor wells MW-1, MW-3, MW-4, and MW-10 were submitted for quantification of BTEX. Analytical results indicate that BTEX constituents were detected above the laboratory reporting limits in monitor wells MW-4 and MW-10. The benzene concentration in monitor well MW-4 (37.1 µg/L) exceeded the NMWQCC groundwater standard.

November 29, 2006

On November 29, 2006 groundwater samples collected from monitor well MW-10 were submitted for quantification of BTEX. Analytical results indicate that BTEX constituents were not detected above the laboratory reporting limit in monitor well MW-10. The remaining wells were not sampled during this event.

Quarterly Sampling Observations

The most notable analytical trend at the site during 2006 is the apparent increase in BTEX concentrations at monitor well MW-4. Results from the August sampling event indicate a benzene concentration (37.1 µg/L) above the applicable NMWQCC standards.

A review of the laboratory data sheets for the sample from MW-3 indicates that results from the August 10, 2006 sampling event were reported at elevated reporting limits for the BTEX constituents. The reason for the elevated reporting limits could not be determined, however, the elevated reporting limits are at or below the NMWQCC groundwater standards.

Recommendations

Based on field monitoring and analytical results collected during 2006, the following activities are recommended for the site:

- 1) Gauge the monitor wells on a weekly basis to record water and PSH levels. Recover PSH from the groundwater monitoring wells impacted with PSH bi-weekly.
- 2) Reconfigure the existing eductor recovery system to achieve more efficient PSH recovery and delineation.
- 3) Monitor wells MW-1, MW-3, and MW-4 will be sampled and analyzed for BTEX semi-annually and PAH's annually.
- 4) Monitor well MW-10 will be sampled and analyzed for BTEX quarterly and PAH annually.
- 5) If the PSH levels in monitor wells MW-2, MW-5, MW-6, MW-7, MW-8, MW-9, or MW-11 decline to nil, such monitor wells will be added to the quarterly sampling/analysis schedule.
- 6) Continue to evaluate analytical data and gauging data to determine if additional wells are necessary to define the dissolve-phase plume.

Appendix A

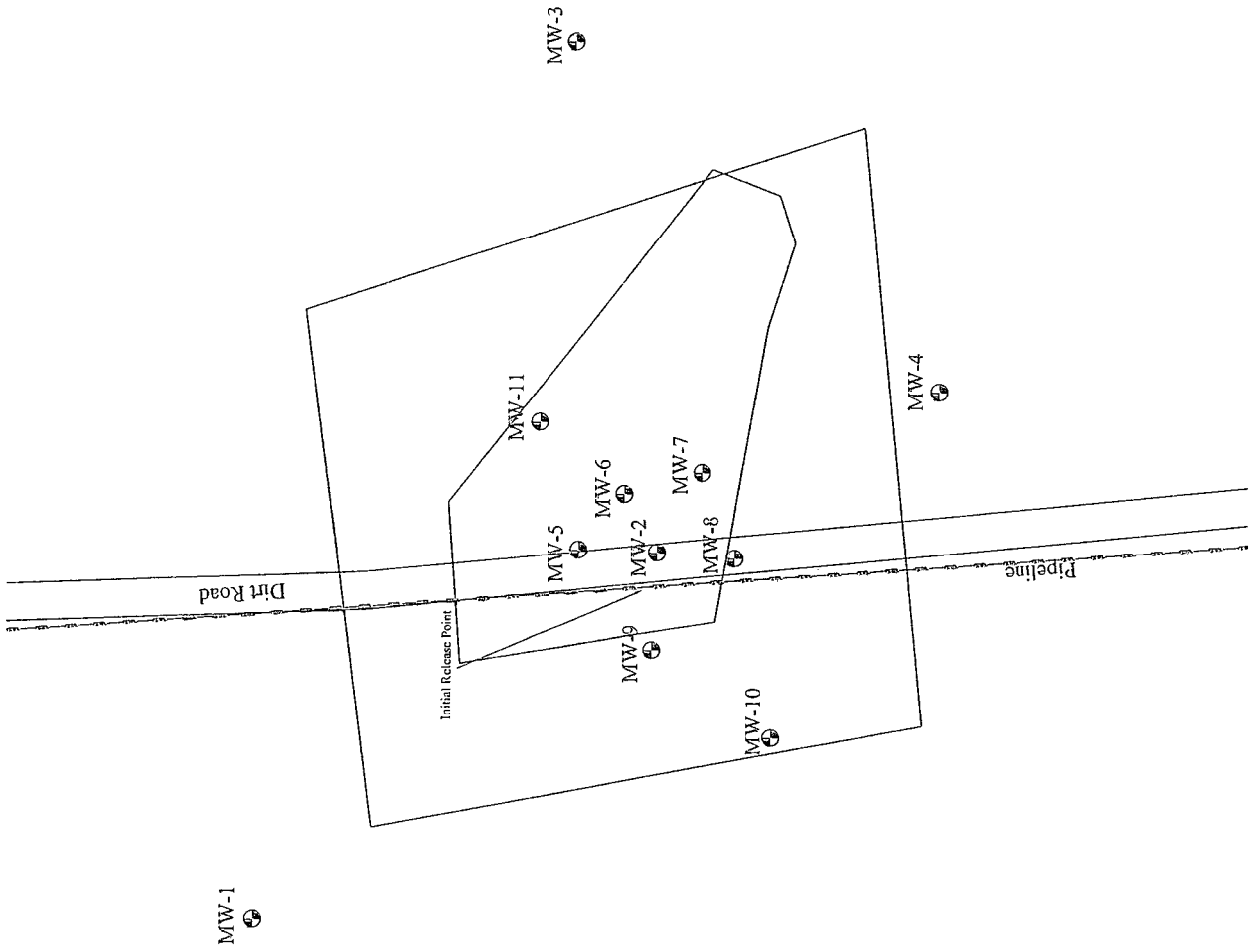
Drawings

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Legend

- ⊕ - Monitor Well
- - Pipe Line
- - - - - Fence line
- - - - - Groundwater Gradient Contour Line
- 81.30 - Groundwater Gradient Contour Elevation
- ➔ - Groundwater Flow Direction

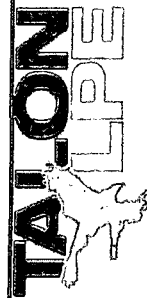


Date: 03/09/2007

Scale: 1" = 100'

Drawn By: WDR

Kimbrough Sweet #2000-10757
 SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E
 Lea County, New Mexico
 Figure 1 - Site Plan



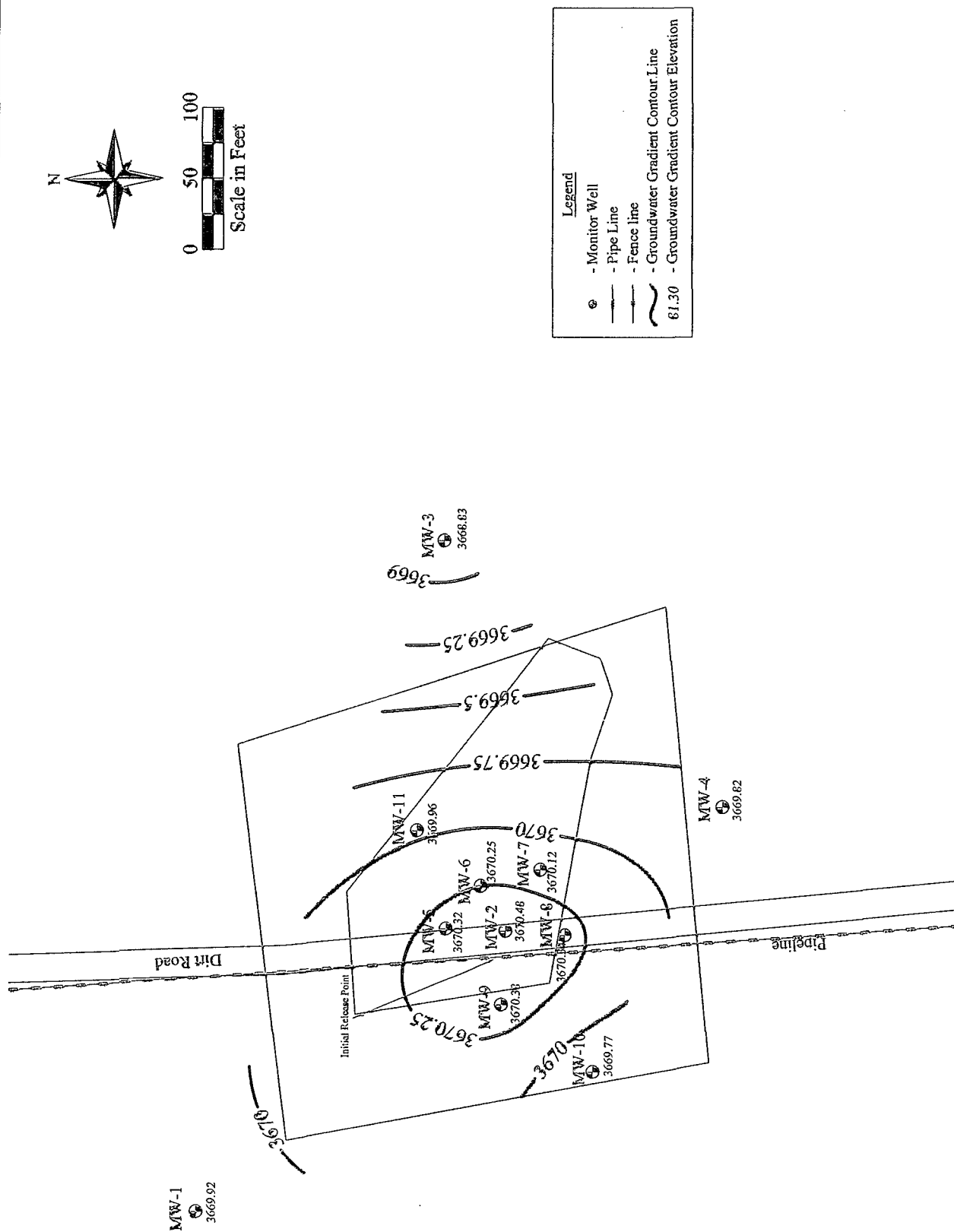
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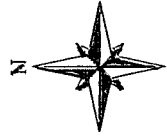
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Drawn By: WDR

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SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E
Lea County, New Mexico

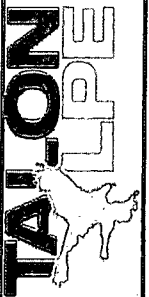
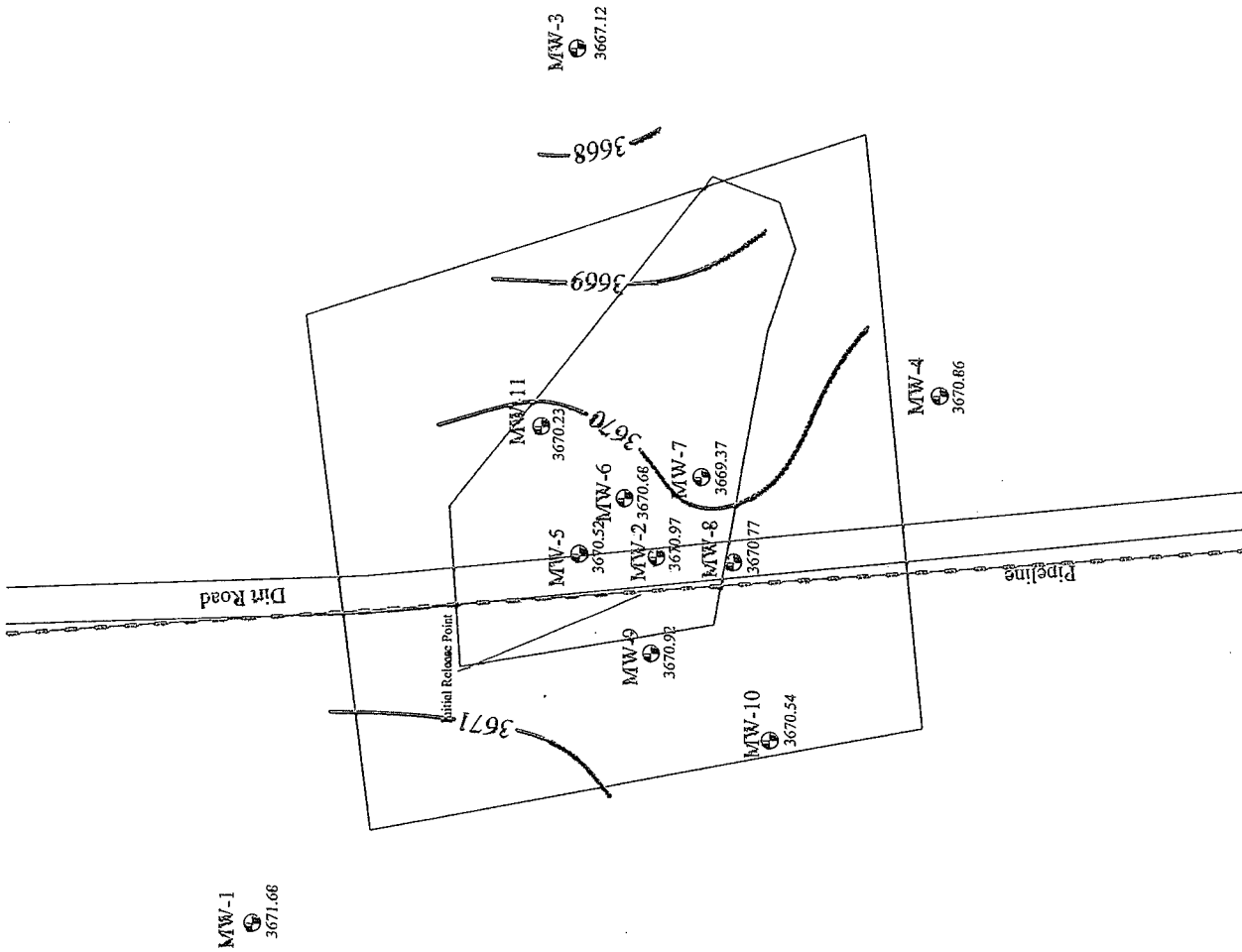
Figure 2a - Groundwater Gradient Map, (03/01/2006)





0 50 100
Scale in Feet

- Legend**
- ⊙ - Monitor Well
 - - Pipe Line
 - - - - - Fence line
 - ~ - Groundwater Gradient Contour Line
 - 81.30 - Groundwater Gradient Contour Elevation



Date: 03/09/2007

Scale: 1" = 100'

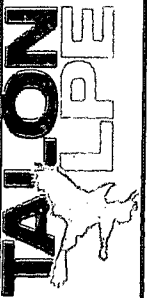
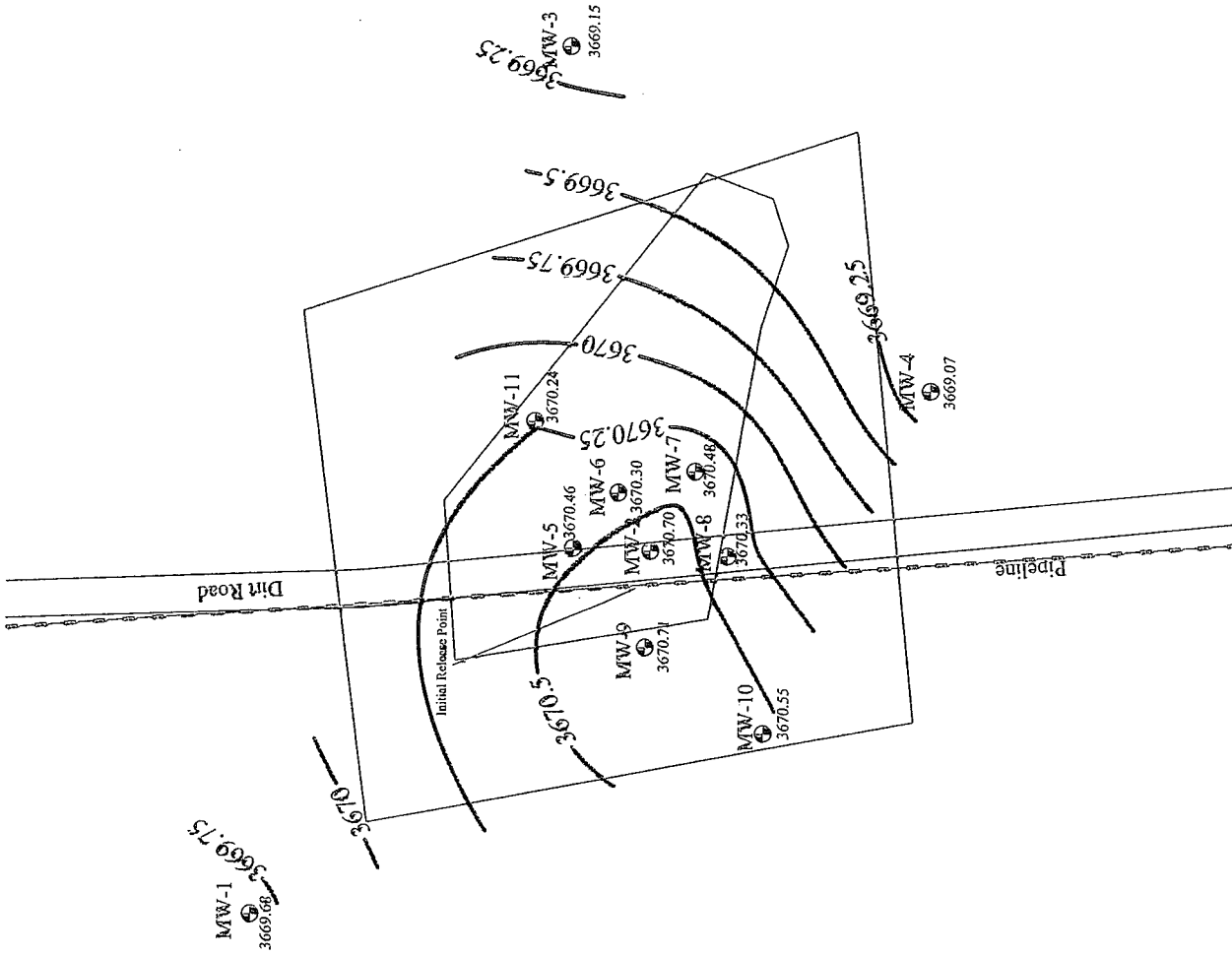
Drawn By: WDR

Kimbrough Sweet #2000-10757
 SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E
 Lea County, New Mexico
Figure 2b - Groundwater Gradient Map, (05/25/2006)



0 50 100
Scale in Feet

- Legend**
- ⊕ - Monitor Well
 - - Pipe Line
 - - - Fence line
 - ~ - Groundwater Gradient Contour Line
 - 81.30 - Groundwater Gradient Contour Elevation



Date: 03/09/2007

Scale: 1" = 100'

Drawn By: WDR

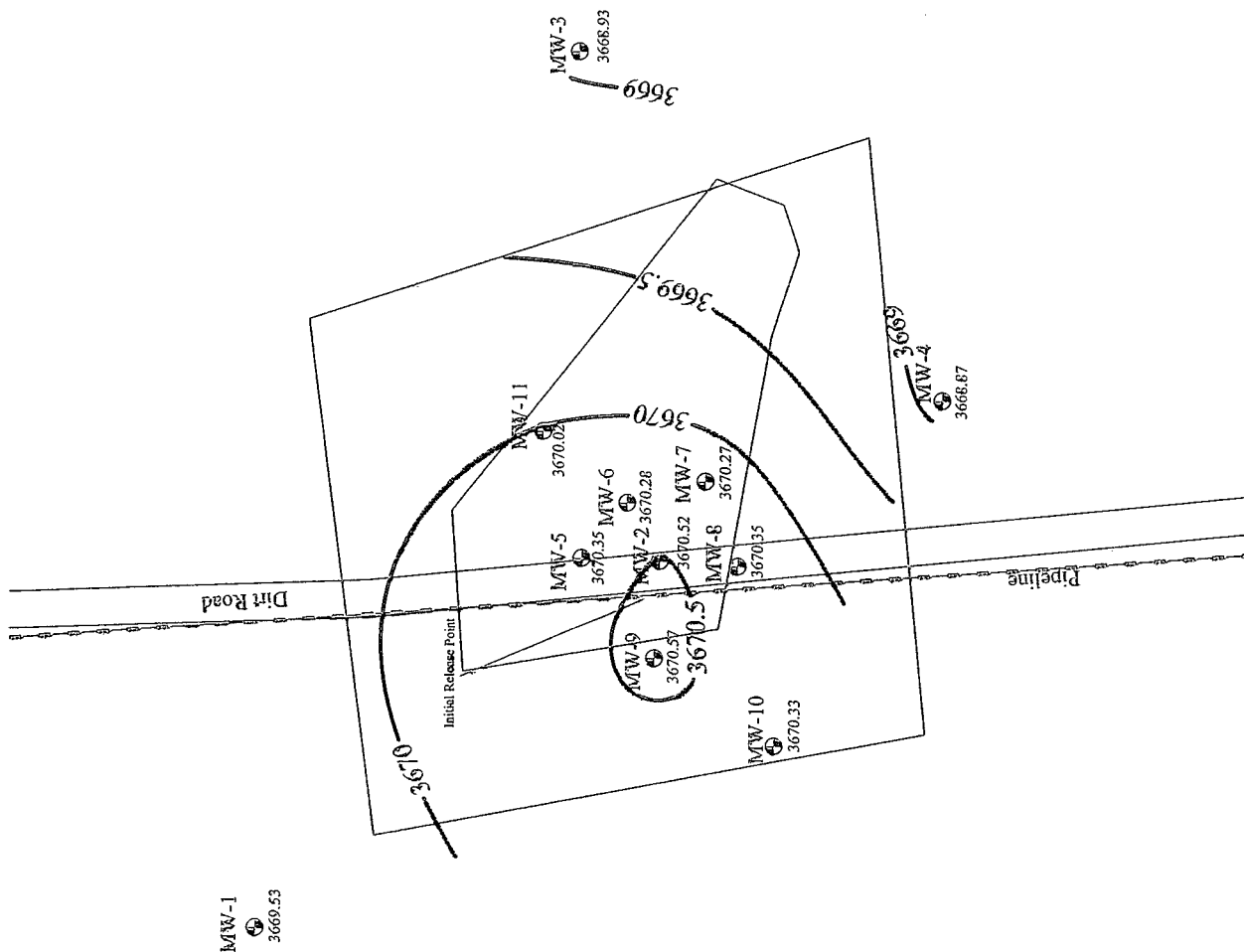
Kimbrough Sweet #2000-10757
 SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E
 Lea County, New Mexico
Figure 2c - Groundwater Gradient Map, (08/10/2006)



0 50 100
Scale in Feet

Legend

- ⊕ - Monitor Well
- - Pipe Line
- - - - - Fence line
- - - - - Groundwater Gradient Contour Line
- 81.30 - Groundwater Gradient Contour Elevation



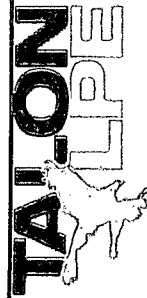
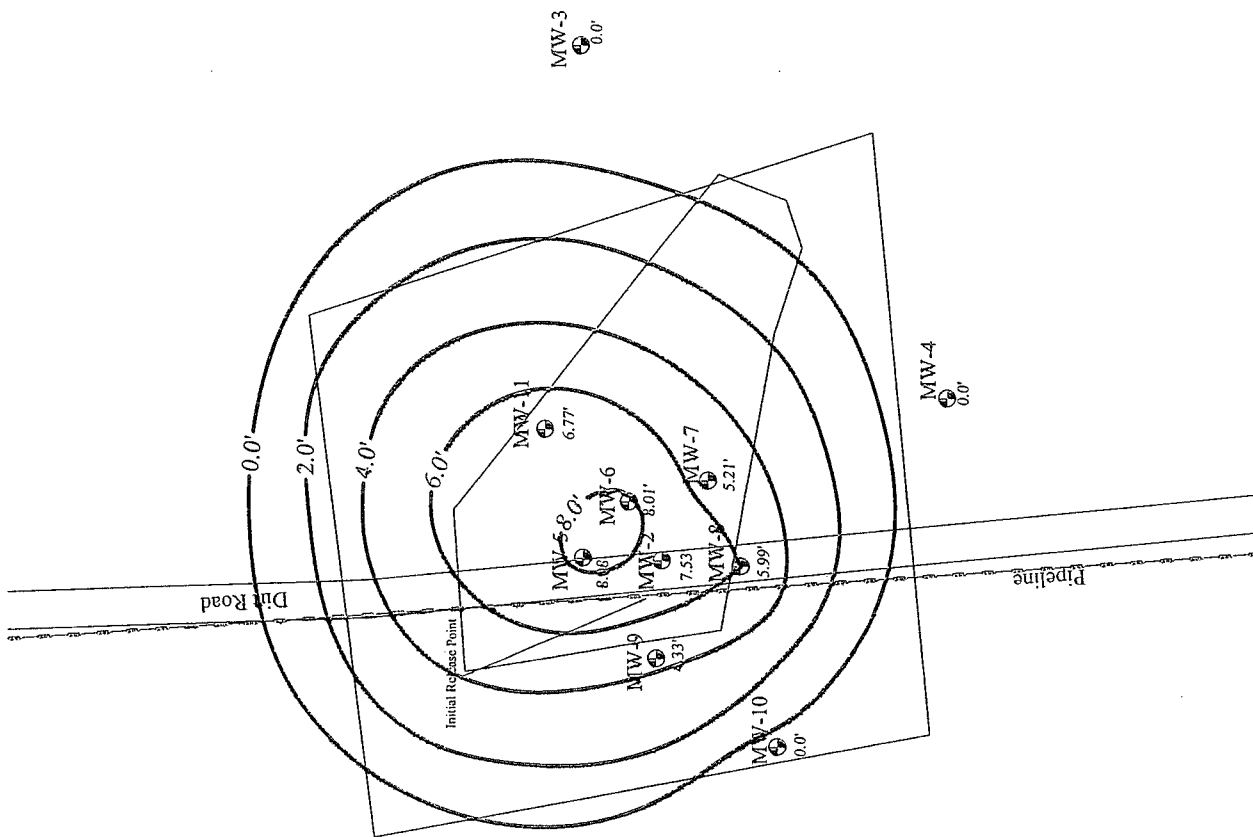
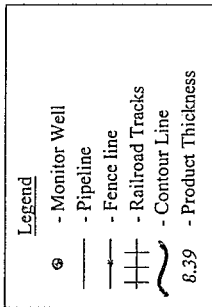
Date: 03/09/2007

Scale: 1" = 100'

Drawn By: WDR

Kimbrough Sweet #2000-10757
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E
Lea County, New Mexico

Figure 2d - Groundwater Gradient Map, (11/29/2006)

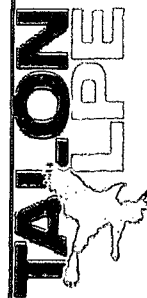


Date: 03/02/2007

Scale: 1" = 100'

Drawn By: WDR

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 Lea County, New Mexico
 Figure 3a - PSH Plume, (03/01/2006)

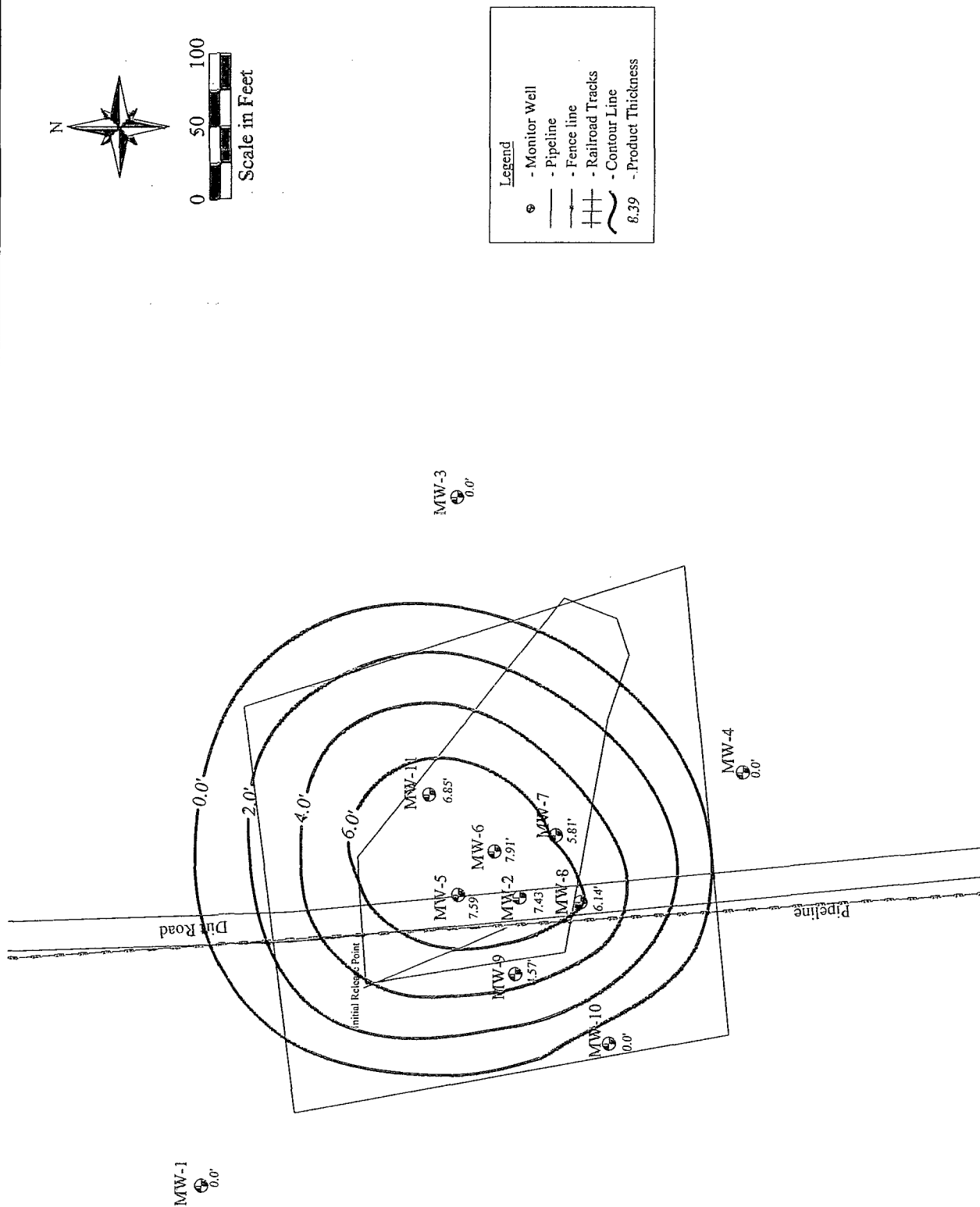


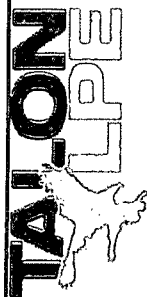
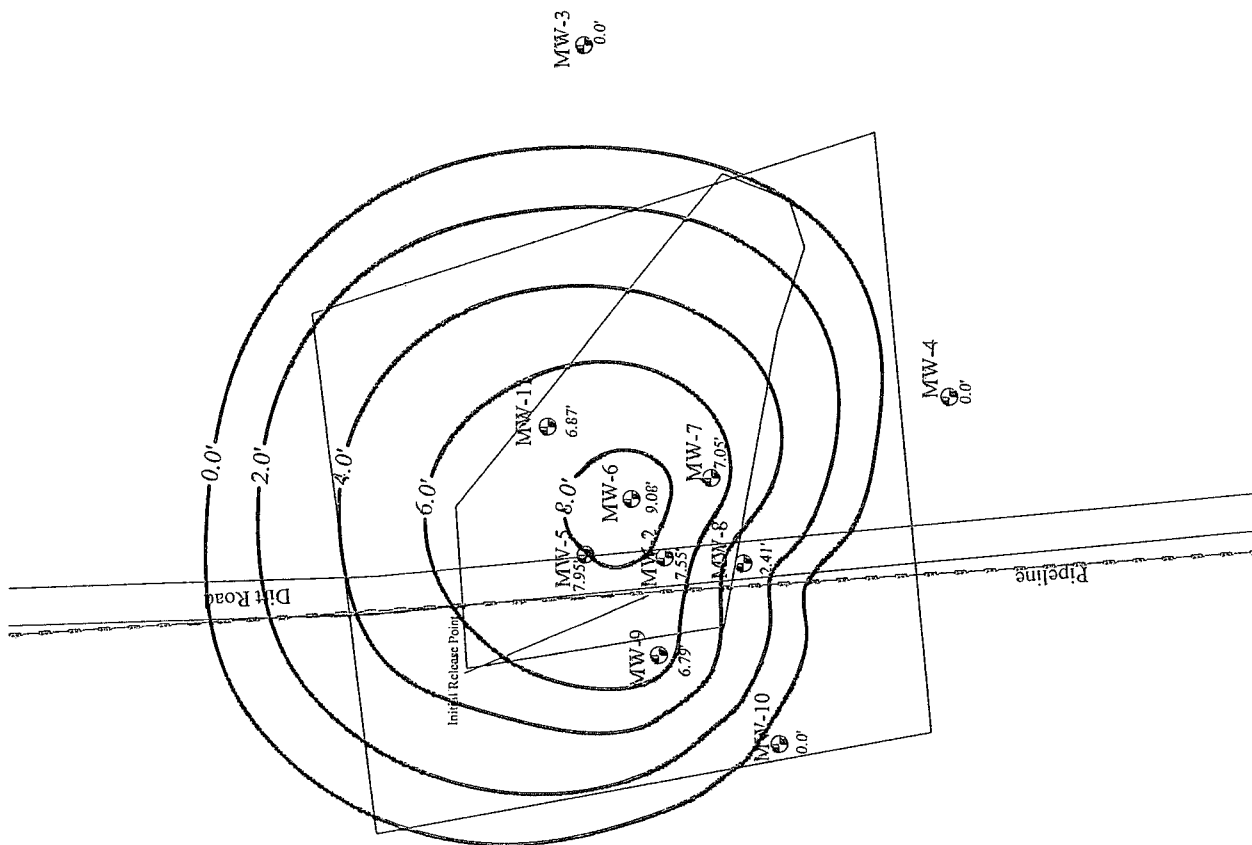
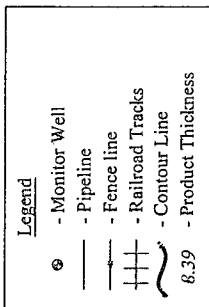
Date: 03/02/2007

Scale: 1" = 100'

Drawn By: WDR

Kimbrough Sweet #2000-10757
 SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E
 Lea County, New Mexico
 Figure 3b - PSH Plume, (05/25/2006)



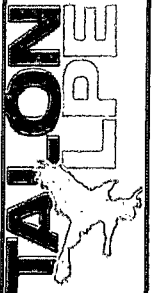
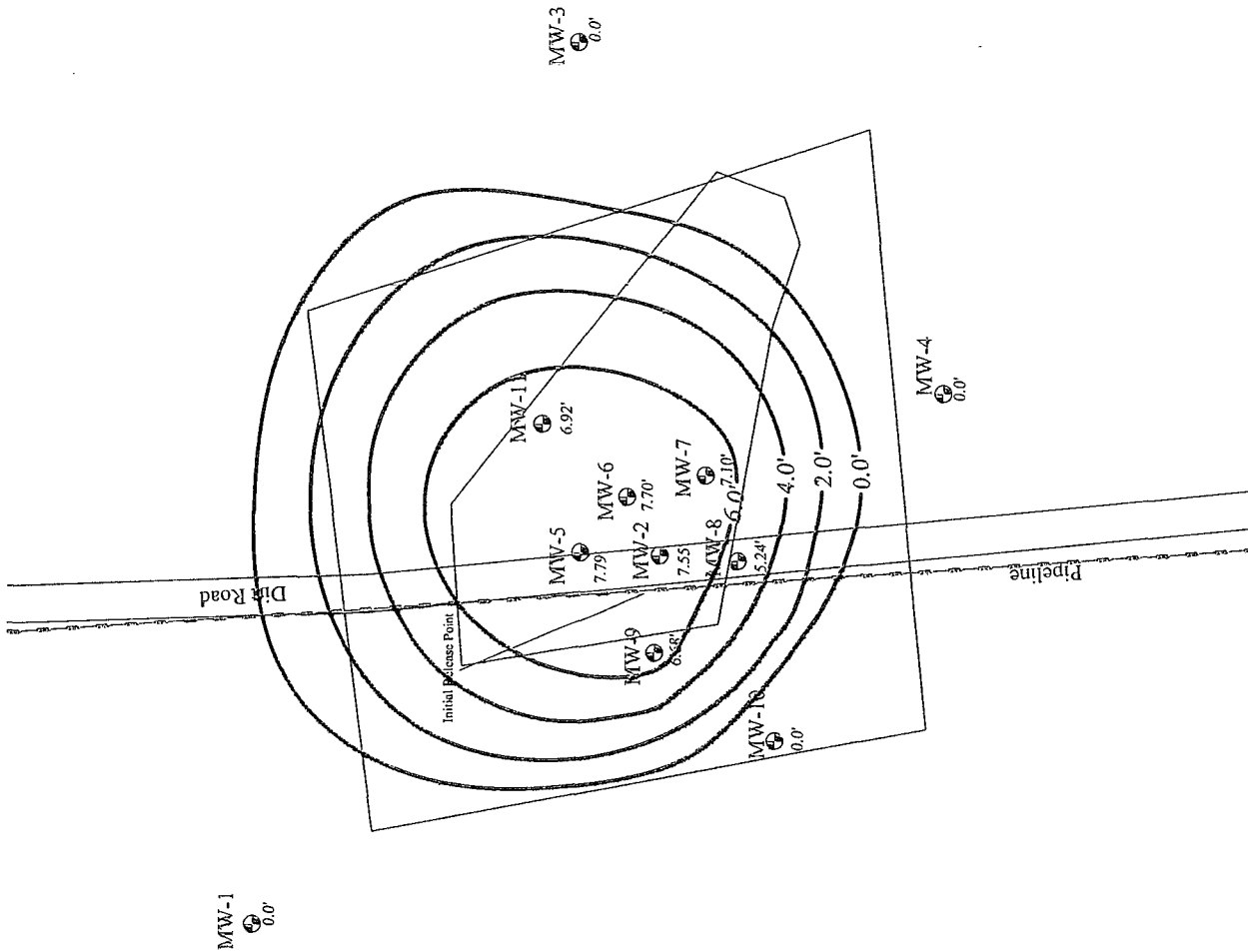
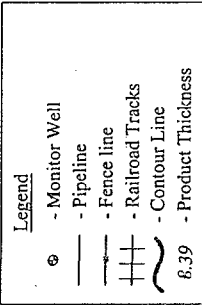
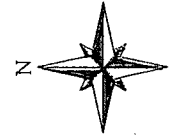


Date: 03/02/2007

Scale: 1" = 100'

Drawn By: WDR

Kimbrough Sweet #2000-10757
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 Lea County, New Mexico
 Figure 3c - PSH Plume, (08/10/2006)

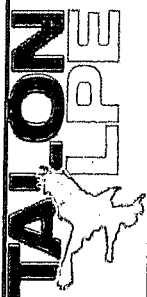
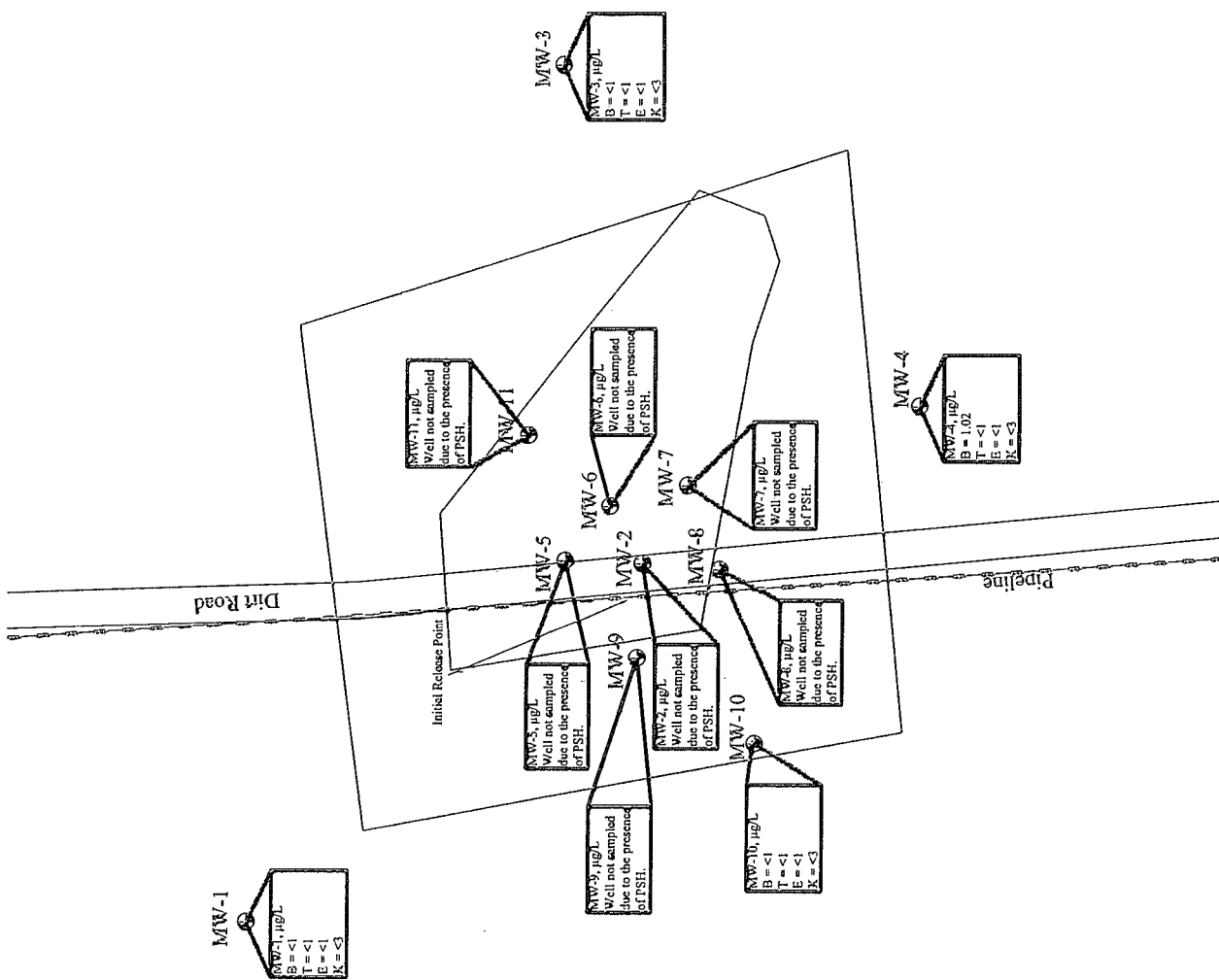
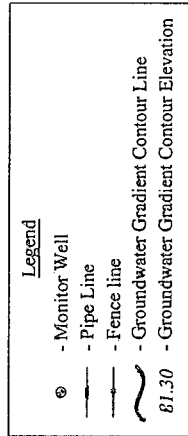
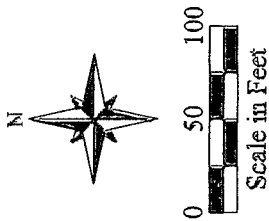


Date: 03/02/2007

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Drawn By: WDR

Kimbrough Sweet #2000-10757
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 Lea County, New Mexico
 Figure 3d - PSH Plume, (11/29/2006)



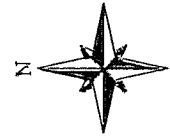
Date: 03/09/2007

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Kimbrough Sweet #2000-10757
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E
Lea County, New Mexico

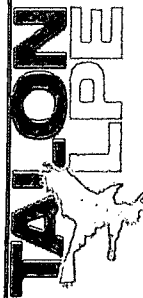
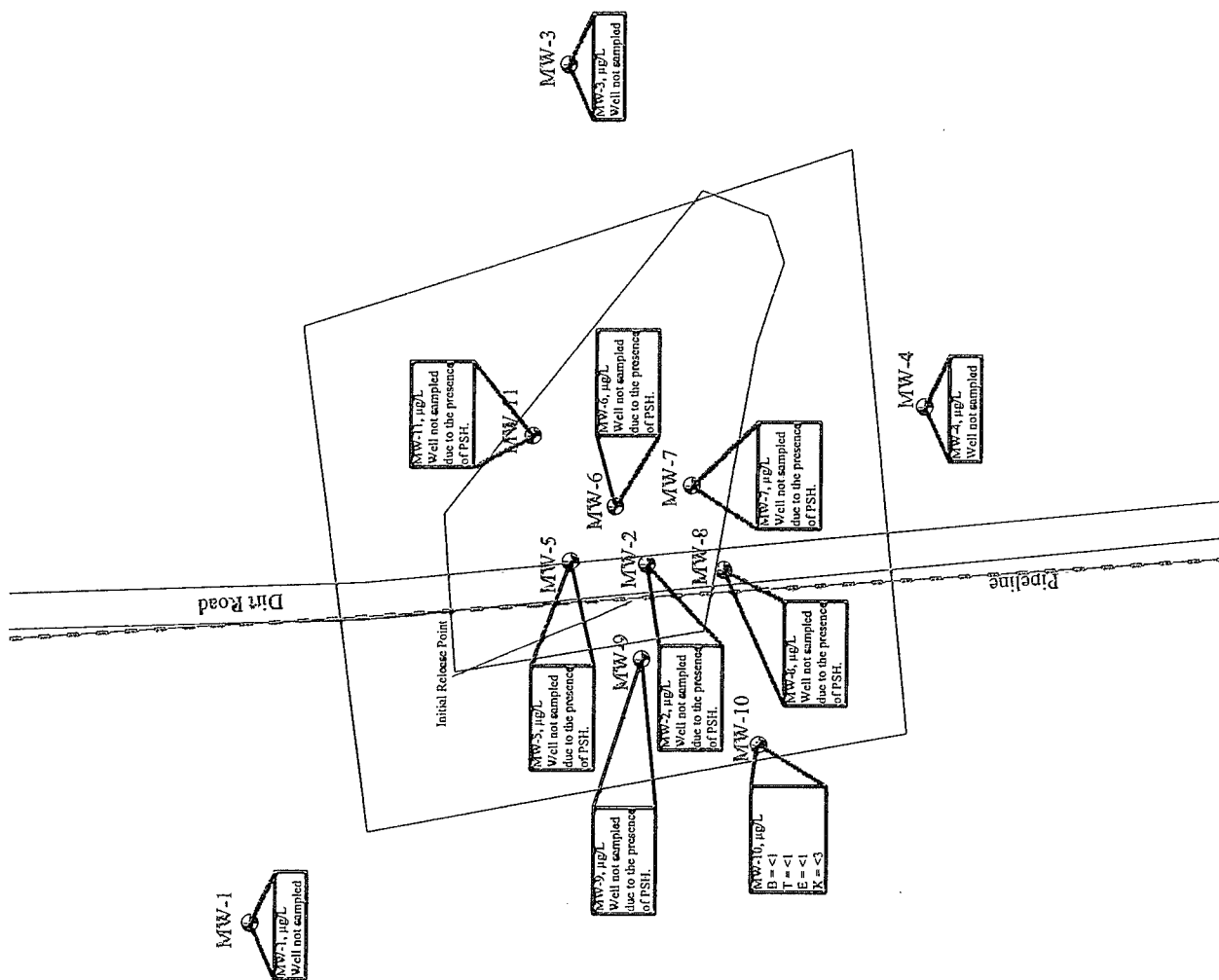
Figure 4a - Groundwater Concentration Map, (03/01/2006)



0 50 100
Scale in Feet

Legend

- - Monitor Well
- - Pipe Line
- - - - - Fence line
- - Groundwater Gradient Contour Line
- 81.30 - Groundwater Gradient Contour Elevation

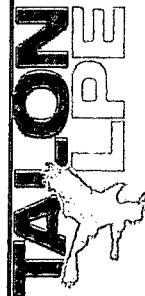


Date: 03/09/2007

Scale: 1" = 100'

Drawn By: WDR

Kimbrough Sweet #2000-10757
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Lea County, New Mexico
Figure 4b - Groundwater Concentration Map, (05/25/2006)

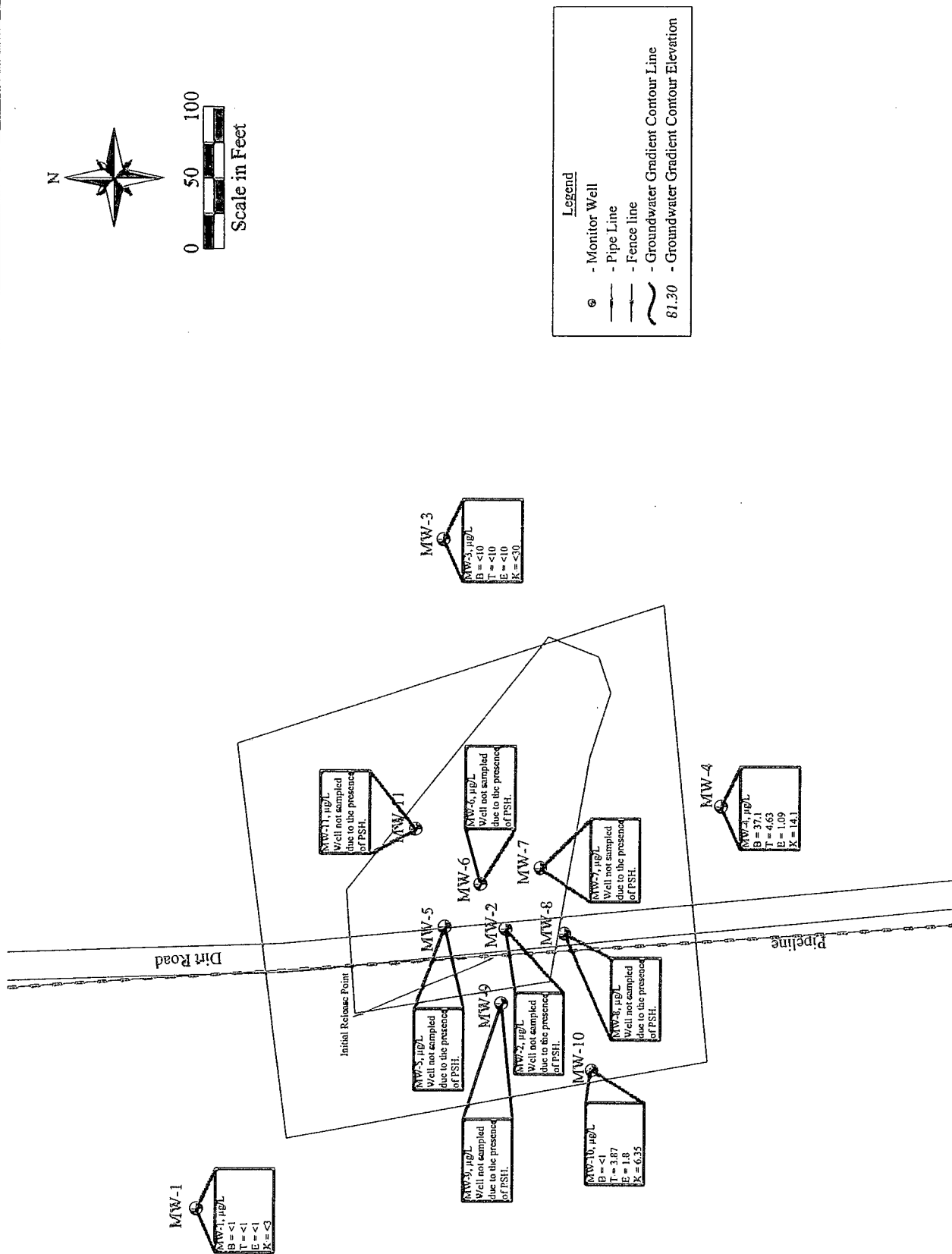


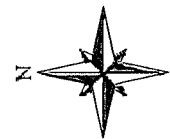
Date: 03/09/2007

Scale: 1" = 100'

Drawn By: WDR

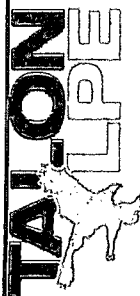
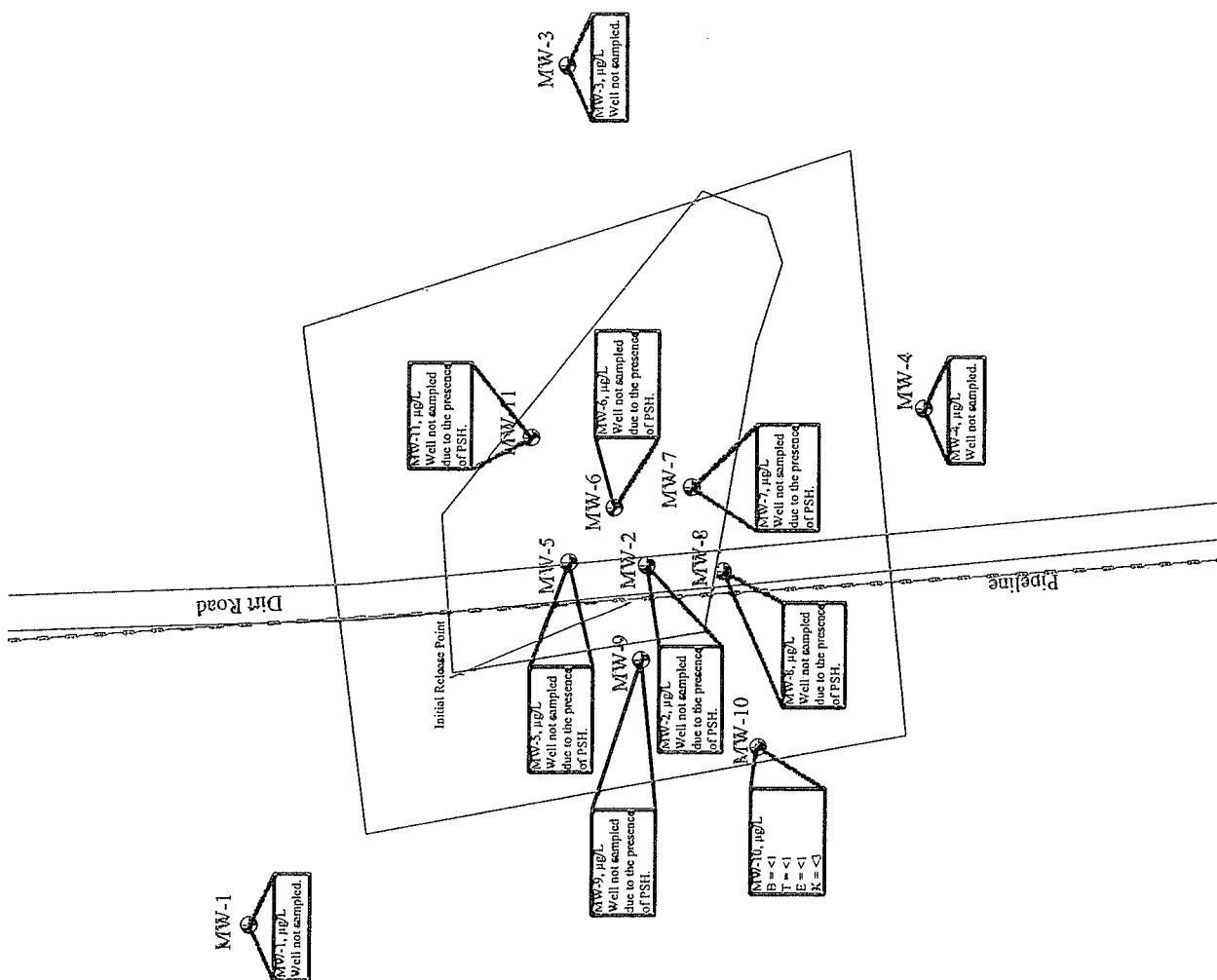
Kimbrough Sweet #2000-10757
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E
Lea County, New Mexico
Figure 4c - Groundwater Concentration Map, (08/10/2006)





0 50 100
Scale in Feet

- Legend**
- - Monitor Well
 - - Pipe Line
 - - - Fence line
 - - Groundwater Gradient Contour Line
 - 81.30 - Groundwater Contour Elevation



Date: 03/09/2007

Scale: 1" = 100'

Drawn By: WDR

Kimbrough Sweet #2000-10757
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E
Lea County, New Mexico

Figure 4d - Groundwater Concentration Map, (11/29/2006)

APPENDIX B

Tables

Table 1 – Summary of PSH Thickness and Gauging Measurements

Table 2 – Summary of Groundwater BTEX Analytical Results

Table 3 – Summary of Groundwater Poly-Aromatic Hydrocarbon
(PAH) Analytical Results

Table 1
Groundwater Elevations and
Phase Separated Hydrocarbon Thickness
Plains Pipeline, L.P.
Kimbrough Sweet 8"
Lea County, NM - SRS# 2000-10757
Talon/LPE Project Number PLAINS045SPL

Monitor Well#	Date Gauged	Relative Top of Casing Elevation	Depth to PSH	Depth to Water	Corrected Relative Groundwater Elevation	PSH Thickness
		feet amsl*	feet btoc*	feet btoc	feet amsl	feet
MW-1	24-Jan-02	Well Installed 24 January 2002				
	4-Oct-02	3,723.13	--	51.26	3,671.87	--
	11-Dec-02		--	51.43	3,671.70	--
	20-Feb-03		--	51.62	3,671.51	--
	11-Feb-04		--	52.45	3,670.68	--
	16-Aug-04		--	53.15	3,669.98	--
	22-Mar-05		--	52.70	3,670.43	--
	31-Mar-05		--	52.65	3,670.48	--
	22-Apr-05		--	52.69	3,670.44	--
	12-May-05		--	52.73	3,670.40	--
	25-May-05		--	52.73	3,670.40	--
	28-Jun-05		--	52.81	3,670.32	--
	25-Jul-05		--	52.91	3,670.22	--
	22-Aug-05		--	52.98	3,670.15	--
	14-Nov-05		--	53.18	3,669.95	--
	30-Nov-05		--	53.47	3,669.66	--
	6-Feb-06		--	53.67	3,669.46	--
	1-Mar-06		--	53.21	3,669.92	--
	2-May-06		--	52.34	3,670.79	--
	25-May-06		--	51.45	3,671.68	--
	10-Aug-06		--	53.45	3,669.68	--
	29-Nov-06		--	53.60	3,669.53	--
	6-Dec-06		--	53.63	3,669.50	--
MW-2	8-Jan-02	Well Installed 8 January 2002				
	9-Jan-02	3,722.90	49.20	53.60	3,673.26	4.40
	4-Oct-02		49.21	56.33	3,672.98	7.12
	11-Nov-02		49.25	56.30	3,672.95	7.05
	11-Dec-02		49.25	56.34	3,672.94	7.09
	20-Feb-03		49.57	56.30	3,672.66	6.73
	26-Mar-03		49.66	58.09	3,672.40	8.43
	8-Apr-03		49.68	58.11	3,672.38	8.43
	23-Apr-03		50.00	56.90	3,672.21	6.90
	24-Apr-03		49.75	58.10	3,672.32	8.35
	25-Apr-03		49.78	57.95	3,672.30	8.17
	3-May-03		49.77	58.10	3,672.30	8.33

Table 1
Groundwater Elevations and
Phase Separated Hydrocarbon Thickness
Plains Pipeline, L.P.
Kimbrough Sweet 8"
Lea County, NM - SRS# 2000-10757
Talon/LPE Project Number PLAINS045SPL

Monitor Well#	Date Gauged	Relative Top of Casing Elevation	Depth to PSH	Depth to Water	Corrected Relative Groundwater Elevation	PSH Thickness
		feet amsl*	feet btoc*	feet btoc	feet amsl	feet
MW-2	6-May-03		49.75	58.08	3,672.32	8.33
	9-Jun-03		49.83	58.13	3,672.24	8.30
	30-Jun-03		49.95	58.04	3,672.14	8.09
	12-Apr-04		50.58	58.91	3,671.49	8.33
	4-Jun-04		50.85	57.62	3,671.37	6.77
	21-Jun-04		50.74	59.01	3,671.33	8.27
	21-Oct-04		50.59	58.20	3,671.55	7.61
	22-Mar-05		51.02	55.90	3,671.39	4.88
	31-Mar-05		51.02	55.90	3,671.39	4.88
	22-Apr-05		50.98	56.50	3,671.37	5.52
	25-May-05		51.23	55.61	3,671.23	4.38
	25-Jul-05		51.11	57.74	3,671.13	6.63
	30-Nov-05		51.50	58.85	3,670.67	7.35
	6-Feb-06		51.64	56.19	3,670.81	4.55
	1-Mar-06		51.67	59.20	3,670.48	7.53
	2-May-06		51.91	58.86	3,670.30	6.95
	25-May-06		51.19	58.62	3,670.97	7.43
	10-Aug-06		51.45	59.00	3,670.70	7.55
	29-Nov-06		51.63	59.18	3,670.52	7.55
	6-Dec-06		51.67	59.11	3,670.49	7.44
MW-3	24-Jan-02	Well Installed 24 January 2002				
	4-Oct-02	3,720.60	--	49.77	3,670.83	--
	11-Dec-02		--	49.93	3,670.67	--
	20-Feb-03		--	50.13	3,670.47	--
	11-Feb-04		--	50.98	3,669.62	--
	16-Aug-04		--	51.64	3,668.96	--
	22-Mar-05		--	51.14	3,669.46	--
	31-Mar-05		--	51.16	3,669.44	--
	22-Apr-05		--	51.18	3,669.42	--
	12-May-05		--	51.26	3,669.34	--
	25-May-05		--	51.26	3,669.34	--
	28-Jun-05		--	51.38	3,669.22	--
	25-Jul-05		--	51.48	3,669.12	--
	22-Aug-05		--	51.52	3,669.08	--

Table 1
Groundwater Elevations and
Phase Separated Hydrocarbon Thickness
Plains Pipeline, L.P.
Kimbrough Sweet 8"
Lea County, NM - SRS# 2000-10757
Talon/LPE Project Number PLAINS045SPL

Monitor Well#	Date Gauged	Relative Top of Casing Elevation	Depth to PSH	Depth to Water	Corrected Relative Groundwater Elevation	PSH Thickness
		feet amsl*	feet btoc*	feet btoc	feet amsl	feet
MW-3	14-Nov-05		--	51.63	3,668.97	--
	30-Nov-05		--	51.92	3,668.68	--
	6-Feb-06		--	52.15	3,668.45	--
	1-Mar-06		--	51.77	3,668.83	--
	2-May-06		--	53.90	3,666.70	--
	25-May-06		--	53.48	3,667.12	--
	10-Aug-06		--	51.45	3,669.15	--
	29-Nov-06		--	51.67	3,668.93	--
	6-Dec-06		--	51.70	3,668.90	--
MW-4	24-Jan-02	Well Installed 24 January 2002				
	4-Oct-02	3,721.03	--	49.35	3,671.68	--
	11-Dec-02		--	49.50	3,671.53	--
	20-Feb-03		--	49.69	3,671.34	--
	11-Feb-04		--	50.51	3,670.52	--
	16-Aug-04		--	50.91	3,670.12	--
	22-Mar-05		--	50.67	3,670.36	--
	31-Mar-05		--	50.70	3,670.33	--
	22-Apr-05		--	50.71	3,670.32	--
	12-May-05		--	50.80	3,670.23	--
	25-May-05		--	50.80	3,670.23	--
	28-Jun-05		--	50.92	3,670.11	--
	25-Jul-05		--	51.02	3,670.01	--
	22-Aug-05		--	51.06	3,669.97	--
	14-Nov-05		--	51.15	3,669.88	--
	30-Nov-05		--	51.43	3,669.60	--
	6-Feb-06		--	51.68	3,669.35	--
	1-Mar-06		--	51.21	3,669.82	--
	2-May-06		--	51.88	3,669.15	--
	25-May-06		--	50.17	3,670.86	--
	10-Aug-06		--	51.96	3,669.07	--
	29-Nov-06		--	52.16	3,668.87	--
	6-Dec-06		--	52.19	3,668.84	--

Table 1
Groundwater Elevations and
Phase Separated Hydrocarbon Thickness
Plains Pipeline, L.P.
Kimbrough Sweet 8"
Lea County, NM - SRS# 2000-10757
Talon/LPE Project Number PLAINS045SPL

Monitor Well#	Date Gauged	Relative Top of Casing Elevation	Depth to PSH	Depth to Water	Corrected Relative Groundwater Elevation	PSH Thickness
		feet amsl*	feet btoc*	feet btoc	feet amsl	feet
MW-5	28-Jul-04	Well Installed 28 July 2004				
	16-Aug-04	3,723.58	51.65	59.86	3,671.11	8.21
	21-Oct-04		51.26	58.76	3,664.82	7.50
	22-Mar-05		51.46	59.00	3,671.37	7.54
	31-Mar-05		51.46	59.00	3,671.37	7.54
	22-Apr-05		52.62	55.95	3,670.63	3.33
	25-May-05		52.18	56.23	3,671.00	4.05
	25-Jul-05		52.06	57.97	3,670.93	5.91
	30-Nov-05		52.17	60.20	3,670.61	8.03
	6-Feb-06		52.44	60.51	3,670.33	8.07
	1-Mar-06		52.45	60.53	3,670.32	8.08
	2-May-06		52.68	59.94	3,670.17	7.26
	25-May-06		52.30	59.89	3,670.52	7.59
	10-Aug-06		52.33	60.28	3,670.46	7.95
	29-Nov-06		52.45	60.24	3,670.35	7.79
	6-Dec-06		52.44	60.19	3,670.37	7.75
MW-6	8-Dec-04	Well Installed 8 December 2004				
	15-Dec-04	3,721.68	49.49	56.62	3,671.48	7.13
	22-Mar-05		49.55	56.86	3,671.40	7.31
	31-Mar-05		49.55	56.86	3,671.40	7.31
	22-Apr-05		50.82	51.66	3,670.78	0.84
	25-May-05		50.61	53.11	3,670.82	2.50
	28-Jun-05		49.83	57.69	3,671.06	7.86
	25-Jul-05		50.30	55.50	3,670.86	5.20
	30-Nov-05		50.33	58.35	3,670.55	8.02
	6-Feb-06		50.65	58.80	3,670.22	8.15
	1-Mar-06		50.63	58.64	3,670.25	8.01
	2-May-06		50.82	58.10	3,670.13	7.28
	25-May-06		50.21	58.12	3,670.68	7.91
	10-Aug-06		50.47	59.55	3,670.30	9.08
	29-Nov-06		50.63	58.33	3,670.28	7.70
	6-Dec-06		50.60	58.33	3,670.31	7.73

Table 1
Groundwater Elevations and
Phase Separated Hydrocarbon Thickness
Plains Pipeline, L.P.
Kimbrough Sweet 8"
Lea County, NM - SRS# 2000-10757
Talon/LPE Project Number PLAINS045SPL

Monitor Well#	Date Gauged	Relative Top of Casing Elevation	Depth to PSH	Depth to Water	Corrected Relative Groundwater Elevation	PSH Thickness
		feet amsl*	feet btoc*	feet btoc	feet amsl	feet
MW-7	28-Jul-04	Well Installed 28 July 2004				
	16-Aug-04	3,722.74	52.14	52.70	3,670.54	0.56
	21-Oct-04		51.00	55.23	3,671.32	4.23
	22-Mar-05		50.78	57.48	3,671.29	6.70
	31-Mar-05		50.78	57.48	3,671.29	6.70
	22-Apr-05		51.92	57.31	3,670.28	5.39
	25-May-05		51.78	53.44	3,670.79	1.66
	28-Jun-05		51.53	55.39	3,670.82	3.86
	25-Jul-05		52.07	53.35	3,670.54	1.28
	30-Nov-05		51.50	58.48	3,670.54	6.98
	6-Feb-06		51.75	58.71	3,670.29	6.96
	1-Mar-06		52.10	57.31	3,670.12	5.21
	2-May-06		52.35	56.91	3,669.93	4.56
	25-May-06		52.79	58.60	3,669.37	5.81
	10-Aug-06		51.56	58.61	3,670.48	7.05
	29-Nov-06		51.76	58.86	3,670.27	7.10
	6-Dec-06		51.78	58.91	3,670.25	7.13
MW-8	30-Jul-04	Well Installed 30 July 2004				
	16-Aug-04	3,722.85	53.96	54.41	3,668.85	0.45
	21-Oct-04		51.15	54.38	3,671.38	3.23
	22-Mar-05		50.78	57.15	3,671.43	6.37
	31-Mar-05		50.78	57.15	3,671.43	6.37
	22-Apr-05		51.90	57.08	3,670.43	5.18
	25-May-05		51.99	52.15	3,670.84	0.16
	28-Jun-05		50.04	57.31	3,672.08	7.27
	25-Jul-05		51.82	54.14	3,670.80	2.32
	30-Nov-05		51.47	58.47	3,670.68	7.00
	6-Feb-06		51.75	57.80	3,670.50	6.05
	1-Mar-06		51.91	57.90	3,670.34	5.99
	2-May-06		52.26	56.95	3,670.12	4.69
	25-May-06		51.47	57.61	3,670.77	6.14
	10-Aug-06		52.28	54.69	3,670.33	2.41
	29-Nov-06		51.98	57.22	3,670.35	5.24
	6-Dec-06		52.48	55.71	3,670.05	3.23

Table 1
Groundwater Elevations and
Phase Separated Hydrocarbon Thickness
Plains Pipeline, L.P.
Kimbrough Sweet 8"
Lea County, NM - SRS# 2000-10757
Talon/LPE Project Number PLAINS045SPL

Monitor Well#	Date Gauged	Relative Top of Casing Elevation	Depth to PSH	Depth to Water	Corrected Relative Groundwater Elevation	PSH Thickness
		feet amsl*	feet btoc*	feet btoc	feet amsl	feet
MW-9	30-Jul-04	Well Installed 30 July 2004				
	16-Aug-04	3,722.80	53.92	54.65	3,668.81	0.73
	21-Oct-04		50.95	53.99	3,671.55	3.04
	22-Mar-05		51.04	54.53	3,671.41	3.49
	31-Mar-05		51.04	54.53	3,671.41	3.49
	22-Apr-05		51.71	51.77	3,671.08	0.06
	25-May-05		51.70	52.22	3,671.05	0.52
	28-Jun-05		50.95	55.84	3,671.36	4.89
	25-Jul-05		51.74	52.89	3,670.95	1.15
	30-Nov-05		51.24	57.92	3,670.89	6.68
	6-Feb-06		51.47	58.25	3,670.65	6.78
	1-Mar-06		51.99	56.32	3,670.38	4.33
	2-May-06		52.12	56.23	3,670.27	4.11
	25-May-06		51.42	55.99	3,670.92	4.57
	10-Aug-06		51.41	58.20	3,670.71	6.79
	29-Nov-06		51.56	58.24	3,670.57	6.68
	6-Dec-06		51.61	58.30	3,670.52	6.69
MW-10	7-Dec-04	Well Installed 7 December 2004				
	15-Dec-04	3,723.62	--	52.17	3,671.45	--
	22-Mar-05		--	52.28	3,671.34	--
	31-Mar-05		--	52.31	3,671.31	--
	22-Apr-05		--	52.36	3,671.26	--
	12-May-05		--	52.41	3,671.21	--
	25-May-05		--	52.42	3,671.20	--
	28-Jun-05		--	52.52	3,671.10	--
	25-Jul-05		--	52.61	3,671.01	--
	22-Aug-05		--	52.67	3,670.95	--
	14-Nov-05		--	52.76	3,670.86	--
	30-Nov-05		--	53.05	3,670.57	--

Table 1
Groundwater Elevations and
Phase Separated Hydrocarbon Thickness
Plains Pipeline, L.P.
Kimbrough Sweet 8"
Lea County, NM - SRS# 2000-10757
Talon/LPE Project Number PLAINS045SPL

Monitor Well#	Date Gauged	Relative Top of Casing Elevation	Depth to PSH	Depth to Water	Corrected Relative Groundwater Elevation	PSH Thickness
		feet amsl*	feet btoc*	feet btoc	feet amsl	feet
MW-10	6-Feb-06		--	53.29	3,670.33	--
	1-Mar-06		--	53.85	3,669.77	--
	2-May-06		--	53.47	3,670.15	--
	25-May-06		--	53.08	3,670.54	--
	10-Aug-06		--	53.07	3,670.55	--
	29-Nov-06		--	53.29	3,670.33	--
	6-Dec-06		--	53.32	3,670.30	--
MW-11	7-Dec-04	Well Installed 7 December 2004				
	15-Dec-04	3,722.03	50.49	55.54	3,671.04	5.05
	22-Mar-05		50.33	56.71	3,671.06	6.38
	31-Mar-05		50.33	56.71	3,671.06	6.38
	22-Apr-05		50.34	56.95	3,671.03	6.61
	25-May-05		51.34	53.06	3,670.52	1.72
	28-Jun-05		50.67	57.07	3,670.72	6.40
	25-Jul-05		51.06	55.54	3,670.52	4.48
	30-Nov-05		51.11	57.79	3,670.25	6.68
	3-Feb-06		51.35	58.06	3,670.01	6.71
	1-Mar-06		51.39	58.16	3,669.96	6.77
	2-May-06		51.54	58.25	3,669.82	6.71
	25-May-06		51.12	57.97	3,670.23	6.85
	10-Aug-06		51.10	57.97	3,670.24	6.87
	29-Nov-06		51.32	58.24	3,670.02	6.92
	6-Dec-06		52.33	53.48	3,669.59	1.15

* Corrected Groundwater Elevation = Top of Casing Elevation - (Depth to Water Below Top of Casing - (SG)(PSH Thickness))).

-- = Not Detected

If the Depth to Water cell is blank, the well was not gauged.

btoc - below top of casing

amsl - above mean sea level

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P.
KIMBROUGH SWEET 8"
LEA COUNTY, NEW MEXICO - SRS# 2000-10757
Talon/LPE Project Number PLAINS045SPL

All concentrations are in µg/L

Sample Location	Sample Date	Benzene	Ethyl-benzene	m,p-Xylenes	o-Xylene	Toluene
MW-1	03/01/06	<1	<1	<2	<1	<1
	08/10/06	<1	<1	<2	<1	<1
MW-2	03/01/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	05/25/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	08/10/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	11/29/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	03/01/06	<1	<1	<2	<1	<1
	08/10/06	<10	<10	<20	<10	<10
MW-4	03/01/06	1.02	<1	<2	<1	<1
	08/10/06	37.1	1.09	<2	14.1	4.63
MW-5	03/01/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	05/25/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	08/10/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	11/29/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	03/01/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	05/25/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	08/10/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	11/29/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	03/01/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	05/25/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	08/10/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	11/29/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-8	03/01/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	05/25/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	08/10/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	11/29/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-9	03/01/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	05/25/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	08/10/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	11/29/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-10	03/01/06	<1	<1	<2	<1	<1
	05/25/06	<1	<1	<2	<1	<1
	08/10/06	<1	1.8	4.6	1.75	3.87
	11/29/06	<1	<1	<2	<1	<1
MW-11	03/01/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	05/25/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	08/10/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	11/29/06	Not sampled Due to Presence of Phase Separated Hydrocarbons				
NMWQCC Remedial Limits		10	750	Total Xylenes 620		750

¹ *Bolded values are in excess of the NMWQCC Remediation Thresholds*

TABLE 3
SUMMARY OF GROUNDWATER POLYNUCLEAR AROMATIC
HYDROCARBON (PAH) ANALYTICAL RESULTS
PLAINS PIPELINE, L.P.
KIMBROUGH SWEET 8"
LEA COUNTY, NEW MEXICO - SRS# 2000-10757
Talon/LPE Project Number PLAINS045SPL

All concentrations are in µg/L

Sample Location	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benz[a]a-anthracene	Benz[a]a-pyrene	Benz[b]b-fluoranthene	Benz[e]g,h,i-perylene	Benz[k]kl-fluoranthene	Chrysene	Dibenz[a,h]-anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenanthrene	Pyrene
MW-1	03/01/06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.061	<0.05	<0.05
MW-2	03/01/06	Not sampled Due to Presence of Phase Separated Hydrocarbons															
MW-3	03/01/06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-4	03/01/06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.053	<0.05	<0.05
MW-5	03/01/06	Not sampled Due to Presence of Phase Separated Hydrocarbons															
MW-6	03/01/06	Not sampled Due to Presence of Phase Separated Hydrocarbons															
MW-7	03/01/06	Not sampled Due to Presence of Phase Separated Hydrocarbons															
MW-8	03/01/06	Not sampled Due to Presence of Phase Separated Hydrocarbons															
MW-9	03/01/06	Not sampled Due to Presence of Phase Separated Hydrocarbons															
MW-10	03/01/06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW-11	03/01/06	Not sampled Due to Presence of Phase Separated Hydrocarbons															
NMWQCC Remedial Limits		30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0

Bolded values are in excess of the NMWQCC Remediation Thresholds

APPENDIX C

**Laboratory Analytical Reports and Chain of Custody
Documentation**

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231
Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report# / Lab ID#: 177326 **Report Date:** 03/15/06
Project ID: 2000-10757
Sample Name: MW-1
Sample Matrix: water
Date Received: 03/03/2006 **Time:** 10:30
Date Sampled: 03/01/2006 **Time:** 14:31

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	03/07/06	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	03/10/06	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	03/06/06	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/06/06	8260b	---	8.7	108.9	116.7	103.6
Ethylbenzene	<1	µg/L	1	<1	03/06/06	8260b	---	2.4	107.7	111.8	103.4
m,p-Xylenes	<2	µg/L	2	<2	03/06/06	8260b	---	1.9	104.9	108.2	101
o-Xylene	<1	µg/L	1	<1	03/06/06	8260b	---	2.7	115	120.5	109.9
Toluene	<1	µg/L	1	<1	03/06/06	8260b	---	9.4	114.1	120.8	106
Acenaphthene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	2.3	36.6	95.6	46.4
Acenaphthylene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	S.M.	0	Mt.Intf.	97.7	47.5
Anthracene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	S.M.	0.1	Mt.Intf.	94.4	48.7
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	11.6	48.6	99	55.7
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	S.M.	28.2	Mt.Intf.	99.3	55.5
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	29	53.3	100.8	55.5
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	27.6	36.8	102.2	49
Benzo[k]fluoranthene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	28.1	53.1	91.9	55.1
Chrysene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	14	69.3	93.9	73.4
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	27.5	37.5	98.5	54
Fluoranthene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	18.3	47.7	93.6	48.8
Fluorene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	4.2	38.4	94.3	46.6
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	29.5	41.6	101.4	54.1

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,


Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than (" $<$ ") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.

Client: Environmental Plus, Inc. Attn: Iain Olness	Project ID: 2000-10757 Sample Name: MW-1	Report#/Lab ID#: 177326 Sample Matrix: water
---	---	---

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Naphthalene	0.061	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	11.3	33.1	98.1	46
Phenanthrene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	15.4	41.8	93.2	45
Pyrene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	15.1	52.1	99.5	52.6

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2000-10757
Sample Name: MW-1

Report#/Lab ID#: 177326
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1-Fluoronaphthalene	610 & 8270c	37.6	20-120	03/10/06	---
2-Fluorobiphenyl	610 & 8270c	41	20-110	03/10/06	---
1,2-Dichloroethane-d4	8260b	99	70-130	03/06/06	---
Toluene-d8	8260b	95.4	80-125	03/06/06	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Report #/Lab ID#: 177326	Matrix: water	Attn: Iain Olness
Client: Environmental Plus, Inc.		
Project ID: 2000-10757		
Sample Name: MW-1		

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J Flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualifier	Comment
Acenaphthylene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag. Frequently indicative of high level of analyte in sample spiked, masking spike recovery with no analyte found in sample.
Acenaphthylene	S,M	
Anthracene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag. Frequently indicative of high level of analyte in sample spiked, masking spike recovery with no analyte found in sample.
Anthracene	S,M	
Benz[a]pyrene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag. Frequently indicative of high level of analyte in sample spiked, masking spike recovery with no analyte found in sample.
Benz[a]pyrene	S,M	

Notes:

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231
Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report# / Lab ID#: 177327 **Report Date:** 03/15/06
Project ID: 2000-10757
Sample Name: MW-3
Sample Matrix: water
Date Received: 03/03/2006 **Time:** 10:30
Date Sampled: 03/01/2006 **Time:** 15:54

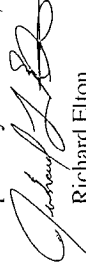
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	03/07/06	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	03/10/06	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	03/07/06	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/07/06	8260b	---	2.9	91.4	88	93.9
Ethylbenzene	<1	µg/L	1	<1	03/07/06	8260b	---	7.5	104.7	98.8	108
m,p-Xylenes	<2	µg/L	2	<2	03/07/06	8260b	S.M	7.2	93.8	99.4	107.1
o-Xylene	<1	µg/L	1	<1	03/07/06	8260b	---	7.3	103.7	99.7	107.9
Toluene	<1	µg/L	1	<1	03/07/06	8260b	---	6	97.2	92.3	98.4
Acenaphthene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	2.3	36.6	95.6	46.4
Acenaphthylene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	S.M.	0	Mt.Intf.	97.7	47.5
Anthracene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	S.M	0.1	Mt.Intf.	94.4	48.7
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	11.6	48.6	99	55.7
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	S.M	28.2	Mt.Intf.	99.3	55.5
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	29	53.3	100.8	55.5
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	27.6	36.8	102.2	49
Benzo[k]fluoranthene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	28.1	53.1	91.9	55.1
Chrysene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	14	69.3	93.9	73.4
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	27.5	37.5	98.5	54
Fluoranthene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	18.3	47.7	93.6	48.8
Fluorene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	4.2	38.4	94.3	46.6
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	29.5	41.6	101.4	54.1

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,



Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.

Client: Environmental Plus, Inc. Attn: Iain Olness	Project ID: 2000-10757 Sample Name: MW-3	Report#/Lab ID#: 177327 Sample Matrix: water
---	---	---

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Naphthalene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	11.3	33.1	98.1	46
Phenanthrene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	15.4	41.8	93.2	45
Pyrene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	15.1	52.1	99.5	52.6

Client: Environmental Plus, Inc. Attn: Iain Olness	Project ID: 2000-10757 Sample Name: MW-3	Report# / Lab ID#: 177327 Sample Matrix: water
---	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1-Fluoronaphthalene	610 & 8270c	52.9	20-120	03/10/06	---
2-Fluorobiphenyl	610 & 8270c	57.7	20-110	03/10/06	---
1,2-Dichloroethane-d4	8260b	94.4	76-122	03/07/06	---
Toluene-d8	8260b	94.6	78-117	03/07/06	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Report #/Lab ID#: 177327	Matrix: water	Attn: Iain Olness
Client: Environmental Plus, Inc.		
Project ID: 2000-10757		
Sample Name: MW-3		

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
m,p-Xylenes	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag. Frequently indicative of high level of analyte in sample spiked, masking spike recovery or high spike recovery with no analyte found in sample.
m,p-Xylenes	S,M	
Acenaphthylene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag. Frequently indicative of high level of analyte in sample spiked, masking spike recovery or high spike recovery with no analyte found in sample.
Acenaphthylene	S,M	
Anthracene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag. Frequently indicative of high level of analyte in sample spiked, masking spike recovery or high spike recovery with no analyte found in sample.
Anthracene	S,M	
Benzo[a]pyrene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag. Frequently indicative of high level of analyte in sample spiked, masking spike recovery or high spike recovery with no analyte found in sample.
Benzo[a]pyrene	S,M	

Notes:

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Euettec, NM 88231
Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#Lab ID#: 177328 **Report Date:** 03/15/06
Project ID: 2000-10757
Sample Name: MW-4
Sample Matrix: water
Date Received: 03/03/2006 **Time:** 10:30
Date Sampled: 03/01/2006 **Time:** 15:20

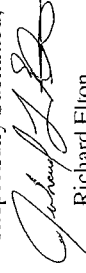
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Proc. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	03/07/06	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	03/10/06	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	03/07/06	8260b(5030/5035)	---	---	---	---	---
Benzene	1.02	µg/L	1	<1	03/07/06	8260b	---	1.2	88.8	93.2	94.9
Ethylbenzene	<1	µg/L	1	<1	03/07/06	8260b	---	0	99.2	103.1	109.3
m,p-Xylenes	<2	µg/L	2	<2	03/07/06	8260b	J	1.1	98.7	102.3	106.4
o-Xylene	<1	µg/L	1	<1	03/07/06	8260b	J	0.1	100.1	101.8	107.5
Toluene	<1	µg/L	1	<1	03/07/06	8260b	J	0.1	91.1	95.1	98
Acenaphthene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	2.3	36.6	95.6	46.4
Acenaphthylene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	S.M.	0	Mt.Intf.	97.7	47.5
Anthracene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	S.M.	0.1	Mt.Intf.	94.4	48.7
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	11.6	48.6	99	55.7
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	S.M.	28.2	Mt.Intf.	99.3	55.5
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	29	53.3	100.8	55.5
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	27.6	36.8	102.2	49
Benzo[k]fluoranthene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	28.1	53.1	91.9	55.1
Chrysene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	14	69.3	93.9	73.4
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	27.5	37.5	98.5	54
Fluoranthene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	18.3	47.7	93.6	48.8
Fluorene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	4.2	38.4	94.3	46.6
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	29.5	41.6	101.4	54.1

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,



Richard Elton

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Client: Environmental Plus, Inc.	Project ID: 2000-10757	Report#/Lab ID#: 177328
Attn: Iain Olness	Sample Name: MW-4	Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Pre. ²	Recov. ³	CCV ⁴	LCS ⁴
Naphthalene	0.053	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	11.3	33.1	98.1	46
Phenanthrene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	15.4	41.8	93.2	45
Pyrene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	15.1	52.1	99.5	52.6

Client: Environmental Plus, Inc. Attn: Iain Ohness	Project ID: 2000-10757 Sample Name: MW-4	Report#Lab ID#: 177328 Sample Matrix: water
---	---	--

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1-Fluoronaphthalene	610 & 8270c	43.6	20-120	03/10/06	---
2-Fluorobiphenyl	610 & 8270c	46.3	20-110	03/10/06	---
1,2-Dichloroethane-d4	8260b	92.4	76-122	03/07/06	---
Toluene-d8	8260b	95.3	78-117	03/07/06	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Report #/Lab ID#: 177328	Matrix: water	Attn: Iain Olness
Client: Environmental Plus, Inc.		
Project ID: 2000-10757		
Sample Name: MW-4		

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (e.g. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
m,p-Xylenes	J	See J-flag discussion above.
o-Xylene	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.
Acenaphthylene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Acenaphthylene	S,M	Frequently indicative of high level of analyte in sample spiked, masking spike recovery or high spike recovery with no analyte found in sample.
Anthracene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Anthracene	S,M	Frequently indicative of high level of analyte in sample spiked, masking spike recovery or high spike recovery with no analyte found in sample.
Benzolapylene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzolapylene	S,M	Frequently indicative of high level of analyte in sample spiked, masking spike recovery or high spike recovery with no analyte found in sample.

Notes:

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Euless, NM 88231
Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report# / Lab ID#: 177329 **Report Date:** 03/15/06
Project ID: 2000-10757
Sample Name: MW-10
Sample Matrix: water
Date Received: 03/03/2006 **Time:** 10:30
Date Sampled: 03/01/2006 **Time:** 15:06

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Pre. ²	Recov. ³	CCV ⁴	LCS ⁸
A/BN Extraction-PAH	---	---	---	---	03/07/06	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	03/10/06	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	03/07/06	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/07/06	8260b	J	1.2	88.8	93.2	94.9
Ethylbenzene	<1	µg/L	1	<1	03/07/06	8260b	---	0	99.2	103.1	109.3
m,p-Xylenes	<2	µg/L	2	<2	03/07/06	8260b	J	1.1	98.7	102.3	106.4
o-Xylene	<1	µg/L	1	<1	03/07/06	8260b	J	0.1	100.1	101.8	107.5
Toluene	<1	µg/L	1	<1	03/07/06	8260b	J	0.1	91.1	95.1	98
Acenaphthene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	2.3	36.6	95.6	46.4
Acenaphthylene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	S.M.	0	Mt.Intf.	97.7	47.5
Anthracene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	J,S,M	0.1	Mt.Intf.	94.4	48.7
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	11.6	48.6	99	55.7
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	S.M	28.2	Mt.Intf.	99.3	55.5
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	29	53.3	100.8	55.5
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	27.6	36.8	102.2	49
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	28.1	53.1	91.9	55.1
Chrysene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	14	69.3	93.9	73.4
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	27.5	37.5	98.5	54
Fluoranthene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	18.3	47.7	93.6	48.8
Fluorene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	4.2	38.4	94.3	46.6
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	29.5	41.6	101.4	54.1

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Richard Elton

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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2000-10757
Sample Name: MW-10

Report#/Lab ID#: 177329
Sample Matrix: water

REPORT OF ANALYSIS-cont.

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Pre. ²	Recov. ³	CCV ⁴	LCS ⁴
Naphthalene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	11.3	33.1	98.1	46
Phenanthrene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	15.4	41.8	93.2	45
Pyrene	<0.05	µg/L	0.05	<0.05	03/10/06	610 & 8270c	---	15.1	52.1	99.5	52.6

Client: Environmental Plus, Inc. Attn: Iain Olness	Project ID: 2000-10757 Sample Name: MW-10	Report# / Lab ID#: 177329 Sample Matrix: water
---	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1-Fluoronaphthalene	610 & 8270c	43.5	20-120	03/10/06	---
2-Fluorobiphenyl	610 & 8270c	47.8	20-110	03/10/06	---
1,2-Dichloroethane-d4	8260b	90.8	76-122	03/07/06	---
Toluene-d8	8260b	95.1	78-117	03/07/06	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Report #/Lab ID#: 177329	Matrix: water	Attn: Iain Olness
Client: Environmental Plus, Inc.		
Project ID: 2000-10757		
Sample Name: MW-10		

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GEAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.
o-Xylene	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.
Acenaphthylene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Acenaphthylene	S,M	Frequently indicative of high level of analyte in sample spiked, masking spike recovery or high spike recovery with no analyte found in sample.
Anthracene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Anthracene	S,M	Frequently indicative of high level of analyte in sample spiked, masking spike recovery or high spike recovery with no analyte found in sample.
Anthracene	J	See J-flag discussion above.
Benzolapiprene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzolapiprene	S,M	Frequently indicative of high level of analyte in sample spiked, masking spike recovery or high spike recovery with no analyte found in sample.

Notes:

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231
(505) 394-3481 FAX: (505) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB: Analysis

Company Name Environmental Plus, Inc.		Bill To		ANALYSIS REQUEST									
EPI Project Manager Iain Olness													
Mailing Address P.O. BOX 1558													
City, State, Zip Eunice New Mexico 88231													
EPI Phone/Fax# 505-394-3481 / 505-394-2601													
Client Company Plains Pipeline													
Facility Name Kimbrough Sweet													
Location UL-L, Sec. 03, T 21 S, R 37 E													
Project Reference 2000-10757													
EPI Sampler Name George Blackburn													

Attn: ENV Accounts Payable PO Box 4648, Houston, TX 77210-4648		PLAINS ALL-AMERICAN PIPELINE, L.P.	
--	--	--	--

LAB I.D.	SAMPLE I.D.	MATRIX						PRESERV.		SAMPLING		TPH 8015M	CHLORIDES (Cl)	SULFATES (SO ₄)	PH	TCLP	OTHER >>	PAH
		GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE							
177326	MMW-1	X						X	X			X						X
177327	MMW-3	X						X	X			X						X
177328	MMW-2	X						X	X			X						X
177329	MMW-10	X						X	X			X						X
5																		
6																		
7																		
8																		
9																		
10																		

Date 3/2/06	Time 16:30	Received By: <i>[Signature]</i>	3-3-06 16:30 PM	E-mail results to: iolness@envplus.net and cireynolds@paalip.com
Date	Time	Received By: (lab staff)		
Relinquished by: <i>[Signature]</i>		REMARKS: temp: 2.0		
Delivered by:	Sample Cool & Intact Yes No		Checked By:	

Client: Environmental Plus, Inc.

Attn: Iain Olness

Address: 2100 Ave. O

Euless,

NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 180961 **Report Date:** 06/07/06

Project ID: 2000-10757

Sample Name: MW-10

Sample Matrix: water

Date Received: 06/02/2006 **Time:** 14:30

Date Sampled: 05/25/2006 **Time:** 11:00

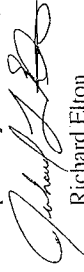
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		06/06/06	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	06/06/06	8260b	---	3.1	93.7	93.7	90.6
Ethylbenzene	<1	µg/L	1	<1	06/06/06	8260b	---	3.7	110	104.6	90.5
m,p-Xylenes	<2	µg/L	2	<2	06/06/06	8260b	---	1.4	112.2	106	107.1
o-Xylene	<1	µg/L	1	<1	06/06/06	8260b	---	2.6	109.2	103.8	99.6
Toluene	<1	µg/L	1	<1	06/06/06	8260b	---	3.9	97.2	95.5	89.7

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Richard Elton

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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2000-10757
Sample Name: MW-10

Report#/Lab ID#: 180961
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyzed	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92.5	70-130	06/06/06	---
Toluene-d8	8260b	110	80-125	06/06/06	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Euette, NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 184221 **Report Date:** 08/22/06

Project ID: 2000-10757

Sample Name: MW-1

Sample Matrix: water

Date Received: 08/17/2006 **Time:** 09:45

Date Sampled: 08/10/2006 **Time:** 14:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		08/18/06	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/18/06	8260b	---	2.7	94.8	93.6	92.6
Ethylbenzene	<1	µg/L	1	<1	08/18/06	8260b	---	4.6	105	104.7	103.6
m,p-Xylenes	<2	µg/L	2	<2	08/18/06	8260b	---	4.7	105	104.6	104.1
o-Xylene	<1	µg/L	1	<1	08/18/06	8260b	---	4.8	108.2	108.6	107.2
Toluene	<1	µg/L	1	<1	08/18/06	8260b	---	4.1	98.4	99.4	96.8

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3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	Project ID: 2000-10757	Report#/Lab ID#: 184221
Attn: Iain Olness	Sample Name: MW-1	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyzed	Data Qualifiers
1,2-Dichloroethane-d4	8260b	111	70-130	08/18/06	---
Toluene-d8	8260b	101	80-125	08/18/06	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Euinee, NM 88231
Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 184222 **Report Date:** 08/22/06
Project ID: 2000-10757
Sample Name: MW-3
Sample Matrix: water
Date Received: 08/17/2006 **Time:** 09:45
Date Sampled: 08/10/2006 **Time:** 13:50

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	PREC. ²	RECov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		08/18/06	8260b(5030/5035)	---	---	---	---	---
Benzene	<10	µg/L	10	<10	08/18/06	8260b	---	2.7	94.8	93.6	92.6
Ethylbenzene	<10	µg/L	10	<10	08/18/06	8260b	---	4.6	105	104.7	103.6
m,p-Xylenes	<20	µg/L	20	<20	08/18/06	8260b	---	4.7	105	104.6	104.1
o-Xylene	<10	µg/L	10	<10	08/18/06	8260b	---	4.8	108.2	108.6	107.2
Toluene	<10	µg/L	10	<10	08/18/06	8260b	---	4.1	98.4	99.4	96.8

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Respectfully Submitted,


Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc. Attn: Iain Olness	Project ID: 2000-10757 Sample Name: MW-3	Report#/Lab ID#: 184222 Sample Matrix: water
---	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyzed	Data Qualifiers
1,2-Dichloroethane-d4	8260b	100	70-130	08/18/06	---
Toluene-d8	8260b	102	80-125	08/18/06	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231
Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 184223 **Report Date:** 08/22/06
Project ID: 2000-10757
Sample Name: MW-4
Sample Matrix: water
Date Received: 08/17/2006 **Time:** 09:45
Date Sampled: 08/10/2006 **Time:** 14:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260h/BTEX	---		---		08/18/06	8260b(5030/5035)	---	---	---	---	---
Benzene	37.1	µg/L	1	<1	08/18/06	8260b	---	4.1	99.6	97.9	98.5
Ethylbenzene	1.09	µg/L	1	<1	08/18/06	8260b	---	1	104.2	99.6	96.4
m,p-Xylenes	<2	µg/L	2	<2	08/18/06	8260b	J	2.3	102.2	97.1	95.1
o-Xylene	14.1	µg/L	1	<1	08/18/06	8260b	---	1	104.3	96.4	96.5
Toluene	4.63	µg/L	1	<1	08/18/06	8260b	---	4.1	100.9	99.8	98.9

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

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Richard Elton

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Client: Environmental Plus, Inc.	Project ID: 2000-10757	Report# / Lab ID#: 184223
Attn: Iain Olness	Sample Name: MW-4	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyzed	Data Qualifiers
1,2-Dichloroethane-d4	8260b	112	70-130	08/18/06	---
Toluene-d8	8260b	101	80-125	08/18/06	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Report #/Lab ID#: 184223	Matrix: water	Attn: Iain Olness
Client: Environmental Plus, Inc.		
Project ID: 2000-10757		
Sample Name: MW-4		

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GEAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
m,p-Xylenes	J	See J-flag discussion above.

Notes:

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Euinee, NM 88231
Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report# / Lab ID#: 184224 **Report Date:** 08/22/06
Project ID: 2000-10757
Sample Name: MW-10
Sample Matrix: water
Date Received: 08/17/2006 **Time:** 09:45
Date Sampled: 08/10/2006 **Time:** 14:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		08/21/06	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/21/06	8260b	J	1.3	94.5	93.6	102.2
Ethylbenzene	1.8	µg/L	1	<1	08/21/06	8260b	---	9.2	92.3	86.4	100.9
m,p-Xylenes	4.6	µg/L	2	<2	08/21/06	8260b	---	1.1	109.3	116.2	112.1
o-Xylene	1.75	µg/L	1	<1	08/21/06	8260b	---	4.6	101.6	102.4	106.4
Toluene	3.87	µg/L	1	<1	08/21/06	8260b	---	1.6	97.2	103.8	110.8

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Richard Elton

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Client: Environmental Plus, Inc. Attn: Iain Olness	Project ID: 2000-10757 Sample Name: MW-10	Report#/Lab ID#: 184224 Sample Matrix: water
---	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyzed	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	70-130	08/21/06	---
Toluene-d8	8260b	106	80-125	08/21/06	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Report #/Lab ID#: 184224	Matrix: water	Attn: Iain Olness
Client: Environmental Plus, Inc.		
Project ID: 2000-10757		
Sample Name: MW-10		

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.

Notes:

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231

(505) 394-3481 FAX: (505) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB: Analysis

Company Name Environmental Plus, Inc.		Billerio		ANALYSIS REQUEST	
EPI Project Manager Iain Olness					
Mailing Address P.O. BOX 1558					
City, State, Zip Eunice New Mexico 88231					
EPI Phone#/Fax# 505-394-3481 / 505-394-2601					
Client Company Plains Pipeline					
Facility Name Kimbrough Sweet					
Location UL-L, Sec. 03, T 21 S, R 37 E					
Project Reference 2000-10757					
EPI Sampler Name Jacob Melancon					

Attn: ENV Accounts Payable
PO Box 4648,
Houston, TX 77210-4648



PLAINS
ALL AMERICAN
PIPELINE L.P.

LAB I.D.	SAMPLE I.D.	MATRIX				PRESERV.				SAMPLING		TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO ₄)	PH	TCLP	OTHER >>>	PAH
		GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE									
184221	MANV-1												X							
184222	MANV-3												X							
184223	MANV-4												X							
184224	MANV-10												X							
5																				
6																				
7																				
8																				
9																				
10																				

Sampler Relinquished:	Date:	8-12-06	Received By:	
	Time:	3:00 PM		
Relinquished by:	Date:		Received By: (lab staff)	8-17-06 0945
	Time:			
Delivered by:	Date:		Sample Cool & Intact	Yes
	Time:		No	

E-mail results to: pmccasland@envplus.net and cijreynolds@paalp.com

REMARKS:

T: 4.5 °C

Client: Environmental Plus, Inc.
Attn: David P. Duncan
Address: PO Box 1558
Eunice NM 88231
Phone: 505-394-3481 **FAX:** 505-394-2601

Report# / Lab ID#: 188921 **Report Date:** 12/07/06
Project ID: 2000-10757
Sample Name: MW-10
Sample Matrix: water
Date Received: 12/02/2006 **Time:** 10:00
Date Sampled: 11/29/2006 **Time:** 13:50

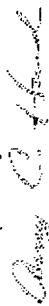
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		12/07/06	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/07/06	8260b	J	0.3	100.8	98	99.2
Ethylbenzene	<1	µg/L	1	<1	12/07/06	8260b	---	0.2	109.2	108	107.5
m,p-Xylenes	<2	µg/L	2	<2	12/07/06	8260b	---	0.5	107.5	105.9	106.8
o-Xylene	<1	µg/L	1	<1	12/07/06	8260b	---	0.3	110	109.4	108.5
Toluene	<1	µg/L	1	<1	12/07/06	8260b	J	1.3	108.2	107.2	106.3

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Respectfully Submitted,



A. C. Hurd, Technical Director (or designee)

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Client: Environmental Plus, Inc.
Attn: David P. Duncan

Project ID: 2000-10757
Sample Name: MW-10

Report#/Lab ID#: 188921
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyzed	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.9	70-130	12/07/06	---
Toluene-d8	8260b	99.3	80-125	12/07/06	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 188921	Matrix: water	Attn: David P. Duncan
Client: Environmental Plus, Inc.		
Project ID: 2000-10757		
Sample Name: MW-10		

Sample Temperature/Condition: <=6°C

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.

Notes:

2100 Avenue O, Eunice, LA 70508

P.O. Box 1558, Eunice, NM 86231

(905) 394-3481 FAX: (905) 394-2601

LAB: Analysis

Company Name		Environmental Plus, Inc.																				
EPI Project Manager		David P. Duncan																				
Mailing Address		P.O. BOX 1558																				
City, State, Zip		Eunice New Mexico 88231																				
EPI Phone#/Fax#		505-394-3481 / 505-394-2601																				
Client Company		Plains Pipeline																				
Facility Name		Kimbrough Sweet																				
Location		UL-L, Sec. 03, T21 S, R 37 E																				
Project Reference		2000-10757																				
EPI Sampler Name		Jacob Melancon																				
LAB I.D.	SAMPLE I.D.	(G) RAB OR (C) OMP.	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE	TIME	BTEX 8015M	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO ₄)	pH	TCLP	OTHER >>	PAH
188921	WWW-10	G	3	X						X	X		29-Nov-06	13:50	X							
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

Company Name: Environmental Plus, Inc.

EPI Project Manager: David P. Duncan

Mailing Address: P.O. BOX 1558

City, State, Zip: Eunice New Mexico 88231

EPI Phone#/Fax#: 505-394-3481 / 505-394-2601

Client Company: Plains Pipeline

Facility Name: Kimbrough Sweet

Location: UL-L, Sec. 03, T21 S, R 37 E

Project Reference: 2000-10757

EPI Sampler Name: Jacob Melancon



Attn: ENV Accounts Payable
PO Box 4648,
Houston, TX 77210-4648

Bill To: ANALYSIS REQUEST

Delivered by: *[Signature]*

Relinquished by: *[Signature]*

Sampler Relinquished: *[Signature]*

Date: 11-30

Time:

Received By: *[Signature]*

Received By: (lab staff) 12-2-06 10:00

Sample Cool & Intact (Yes) No

Checked By: *[Signature]*

REMARKS: E-mail results to: dduncan@envplus.net and cjeynolds@paalp.com

APPENDIX D

NMOCD C-141



Site Information and Metrics

Incident Date:
10/25/2000

NMOCD Notified:
10-25-00@5:15PM

SITE: Kimbrough Sweet		Assigned Site Reference #: 2000-10757	
Company: Plains Pipeline, L.P.			
Street Address: P.O. Box 3119			
Mailing Address:			
City, State, Zip: Midland, Texas 79702			
Representative: Camille Reynolds			
Representative Telephone: 505.396.3341 (CJReynolds@paalp.com)			
Telephone:			
Fluid volume released (bbls): 60 bbls		Recovered (bbls): 22 bbls	
>25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days. (Also applies to unauthorized releases >500 mcf Natural Gas) 5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)			
Leak, Spill, or Pit (LSP) Name: Kimbrough Sweet			
Source of contamination: 8" Steel Pipeline			
Land Owner, i.e., BLM, ST, Fee, Other: State of New Mexico			
LSP Dimensions 200' x 200'			
LSP Area: 15,613 ft ²			
Location of Reference Point (RP)			
Location distance and direction from RP			
Latitude: 32°46'48"N			
Longitude: 103°14'18"W			
Elevation above mean sea level: 3,720'amsl			
Feet from South Section Line			
Feet from West Section Line			
Location- Unit or ¼: SW¼ of the NE¼		Unit Letter: G	
Location- Section: 3			
Location- Township: T18S			
Location- Range: R37E			
Surface water body within 1000' radius of site: none			
Domestic water wells within 1000' radius of site: none			
Agricultural water wells within 1000' radius of site: none			
Public water supply wells within 1000' radius of site: none			
Depth from land surface to ground water (DG) 50'bgs			
Depth of contamination (DC) - 50'bgs			
Depth to ground water (DG - DC = DtGW) - zero feet			
1. Ground Water		2. Wellhead Protection Area	
If Depth to GW <50 feet: 20 points		If <1000' from water source, or; <200' from private domestic water source: 20 points	
If Depth to GW 50 to 99 feet: 10 points		If >1000' from water source, or; >200' from private domestic water source: 0 points	
If Depth to GW >100 feet: 0 points		Wellhead Protection Area Score= 0	
Ground water Score = 20		Surface Water Score= 0	
Site Rank (1+2+3) = 20			
Total Site Ranking Score and Acceptable Concentrations			
Parameter	>19	10-19	0-9
Benzene ¹	10 ppm	10 ppm	10 ppm
BTEX ¹	50 ppm	50 ppm	50 ppm
TPH	100 ppm	1000 ppm	5000 ppm
¹ 100 ppm field VOC headspace measurement may be substituted for lab analysis			

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised March 17, 1999

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☐ Final Report

Name of Company: Plains Pipeline, L.P.	Contact: Camille Reynolds	
Address P.O. Box 3119 Midland, Texas 79702	Telephone No. 505.396.3341 (CJReynolds@paalp.com)	
Facility Name Kimbrough Sweet #2000-10757	Facility Type 8" Steel Pipeline	
Surface Owner: State of New Mexico	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter G	Section 3	Township T18S	Range R37E	Feet from the	North/South Line	Feet from the	East/West Line	County: Lea
-------------------------	---------------------	-------------------------	----------------------	------------------	---------------------	------------------	-------------------	----------------

Latitude: 32°46'48"N Longitude: 103°14'18"W

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 60 bbls barrels	Volume Recovered 22 bbls barrels
Source of Release 8" Steel Pipeline	Date and Hour of Occurrence 10/25/2000	Date and Hour of Discovery 10/25/2000
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Donna Williams	
By Whom? Wayne Brunette	Date and Hour 10-25-00@5:15PM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.*
NA

Describe Cause of Problem and Remedial Action Taken.*

8" Steel Pipeline: The release was caused by internal corrosion. Approximately 60 barrels of crude oil was released and approximately 22 barrels recovered and reintroduced to the system. The leak was excavated and repaired and the line placed back in service.

Describe Area Affected and Cleanup Action Taken.*

15,613 sqft 200' x 200': In 2001, the NMOCD approved a Soil and Groundwater Abatement Plan. Impacted soil down to 15'bgs was excavated, shredded, and treated. A 2-foot thick compacted clay barrier was installed in the bottom of the excavation and the treated soil used to bring to grade. Remedial Goals: TPH 8015m = 100 mg/Kg, Benzene = 10 mg/Kg, and BTEX, i.e., the mass sum of Benzene, Ethyl Benzene, Toluene, and Xylenes = 50 mg/Kg.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Camille Reynolds		
E-mail Address: CJReynolds@paalp.com	Approval Date:	Expiration Date:
Title: District Environmental Supervisor	Conditions of Approval:	Attached ☐
Date: _____ Phone: 505.396.3341		

* Attach Additional Sheets If Necessary