AP - 29

ANNUAL MONITORING REPORT

YEAR(S):

2005

PLAINS
ALL AMERICAN

March 20, 2006

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

2006 MAR 27 PM 12 23

Re: Plains All American – Annual Monitoring Report
One Site in Lea County, New Mexico

Dear Mr. Martin:

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 the Annual Monitoring report for the following site:

Kimbrough Sweet Section 3, Township 18 South, Range 37 East, Lea County

EPI prepared this document and has vouched for the accuracy and completeness. On behalf of Plains All American, I have personally reviewed the document and interviewed EPI in order to verify the accuracy and completeness of the document. It is based upon this inquiry and review that Plains All American submits the enclosed Annual Monitoring Report for the above-referenced facility.

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

Sincerely,

Camille Reynolds

Camille Reynolds
Remediation Coordinator
Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosure

PLAINS
ALL AMERICAN
PIPELINE, L.P.

2005 ANNUAL MONITORING REPORT

Plains Pipeline, L.P.
Kimbrough Sweet
Ref. # 2000-10757
(Company #231735)

AP-29

UL- G (SW¼ of the NE¼) of Section 3, R37E, T18S
Latitude 32°46'48"N and Longitude 103°14'18"W
Elevation ~3,720-feet amsl

7.0 miles northwest of Hobbs, Lea, New Mexico

March 2006

Prepared by

Environmental Plus, Inc.
2100 West Avenue O
P.O. Box 1558
Eunice, New Mexico 88231
Tele 505•394•3481 FAX 505•394•2601
(pmccasland@envplus.net)

Distribution List

2005 ANNUAL MONITORING REPORT
Plains Pipeline, L.P.
Kimbrough Sweet
Ref. # 2000-10757
(Company #231735)

Name	Title	Company or Agency	Mailing Address	e-mail
Ed Martin	Environmental Engineer	New Mexico Oil Conservation Division	1220 South St. Francis Drive Santa Fe, NM 87505	emartin@state.nm.us
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Camille Reynolds	Remediation Coordinator	Plains Pipeline L.P.	P.O. Box 3119 Midland, TX 79702	cjreynolds@paalp.com
Jeff Dann	Senior Environmental Specialist	Plains Pipeline L.P.	333 Clay Street Suite #1600 Houston, TX 77002	jpdann@paalp.com
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file		Environmental Plus, Inc.	P.O. Box 1558 Eunice, NM 88231	pmccasland@envplus.net

STANDARD OF CARE

2005 ANNUAL MONITORING REPORT
Plains Pipeline, L.P.
Kimbrough Sweet
Ref. # 2000-10757
(Company #231735)

The information provided in this report was collected consistent with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993), the NMOCD Unlined Surface Impoundment Closure Guidelines (February 1993), and the Environmental Plus, Inc. (EPI) Standard Operating Procedures and Quality Assurance/Quality Control Plan. The conclusions are based on field observations and laboratory analytical reports as presented in the report. Recommendations follow NMOCD guidance and represent the professional opinions of EPI staff. These opinions were arrived at with currently accepted geologic, hydrogeologic and engineering practices at this time and location. The report was prepared or reviewed by a certified or registered EPI professional with a background in engineering, environmental and/or the natural sciences.

This report was prepared by:

Pat W. McCasland, — 20 March 2006
Senior Environmental Consultant — Date

This report was reviewed by:

Iain A. Olness, P.G. — 20 March 2006
Hydrogeologist — Date

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FIGURES

TABLES

APPENDICES

1.0 BACKGROUND AND PREVIOUS REMEDIAL ACTIVITIES

This site is located in UL-G (SW¼ of the NE¼) of Section 3, Range 37 East, Township 18 South at a latitude of 32°46'48"N and a longitude of 103°14'18"W, approximately 7.0 miles northwest of Hobbs, Lea County, New Mexico on property owned by the State of New Mexico (reference *Figures 1* through *Figure 3*). The initial release occurred from the 8" steel pipeline on October 25, 2000 under the ownership of EOTT Energy Pipeline (EOTT changed its' name to Link Energy in October 2003) and as of April 1, 2004, Plains Pipeline, L.P. purchased the assets from Link Energy. The release was attributed to internal corrosion and impacted approximately 15,613 square feet (ft^2) of surface area. Approximately 60 barrels (bbls) of crude oil were released and approximately 22 bbls recovered and reintroduced into the system. The pipeline was excavated, repaired and placed back in service. There are no residences, groundwater wells or surface water bodies observed to be within a 1,000-foot radius of the leak site.

During site delineation in March 2001, it was determined that groundwater, occurring approximately 50-feet below ground surface (bgs), had been impacted by the crude oil release. In July 2001, the "Kimbrough Sweet Soil and Groundwater Remediation Plan" (submitted as the Stage I and Stage II Abatement Plans) was submitted to the New Mexico Oil Conservation Division (NMOCD). The plan was implemented in November 2001 upon NMOCD approval (reference *Appendix II*). Consistent with the abatement 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 installed in the bottom of the excavation and the treated soil, approximately 16,500 cubic yards, placed on top of the clay barrier to form a bio-cell. Analysis of soil samples collected from the bio-cell in 2002, 2003 and 2004 indicated the average TPH concentration in the bio-cell has attenuated from approximately 5,300 mg/Kg in 2002 to approximately 2,000 mg/Kg in 2004 (reference *Table 4*).

With NMOCD approval and landowner consensus, groundwater monitoring wells MW-1, MW-2, MW-3 and MW-4 were installed in January 2002, MW-5, MW-7, MW-8 and MW-9 in July 2004, and MW-6 and MW-10 in December 2004. From January 2002 to December 31, 2004, approximately 1,473 gallons of phase separated hydrocarbons (PSH) were recovered from the surface of the groundwater and reintroduced to the Plains pipeline system. The groundwater flow direction at the site has been determined each year to be in an easterly direction. The groundwater elevation at the site has declined by approximately 2-feet from January 2002 to December 31, 2004 (reference *Figure 17*, *Figure 18* and *Table 1*). Benzene, toluene, ethylbenzene, and total xylenes (BTEX) and the polynuclear aromatic hydrocarbon (PAH) compounds concentrations in samples collected from the perimeter groundwater monitoring wells, (i.e., MW-1, MW-3 and MW-4), have not been detected at or above the respective method detection limits. BTEX was detected above the MDL in the December 7, 2004 sample collected from groundwater monitoring well MW-10 but was not in excess of the respective New Mexico Water Quality Control Commission (WQCC) standard (reference *Figure 4* through *Figure 14* and *Table 1*). Samples were not collected from groundwater monitoring wells MW-2, MW-5, MW-6, MW-7, MW-8, MW-9 and MW-11 due to the presence of PSH.

2.0 2005 FIELD ACTIVITIES

During 2005, field activities included routine site reconnaissance, PSH recovery and groundwater sampling. The biocell was not sampled in 2005.

2.1 SITE RECONNAISSANCE

During 2005, site reconnaissance occurred at least 3 days per week to maintain the PSH recovery system, manage PSH, and document changes in groundwater and PSH levels

2.2 PSH RECOVERY

In March 2005, an auxiliary, propane fueled, electric generator and an automated eductor recovery system was installed at the site. A total of 588 gallons of crude oil were recovered and reintroduced into the Plains system during 2005. Total recovery from January 2002 through December 31, 2005 is approximately 2,060 gallons (49 bbls).

2.3 GROUNDWATER SAMPLING

Groundwater samples were collected from groundwater monitoring wells MW-1, MW-3 and MW-4 on March 31, May 12 and August 12, 2005 (i.e., semi-annually as approved by the NMOCD). Groundwater monitoring well MW-10 was sampled on March 31, May 12, August 12 and November 14, 2005. Groundwater monitoring wells impacted with PSH, (i.e., MW-2, MW-5, MW-6, MW-7, MW-8, MW-9 and MW-11) were not sampled. Prior to collecting the laboratory sample, the groundwater level and total well depth were measured, the well volume calculated and at least three well volumes purged using a clean disposable bailer. The groundwater sample was then collected, decanted into the laboratory provided containers, sealed, labeled, placed on ice and submitted to the laboratory for analysis.

3.0 GROUNDWATER GRADIENT

The groundwater flow direction at the site in 2005 has been determined to be in an easterly direction (reference *Figure 19*, *Figure 21, Figure 23, Figure 25 and Table 1*)

4.0 GROUNDWATER ELEVATION

The groundwater elevation in wells not impacted by PSH dropped approximately 0.75-feet during 2005. (reference *Figure 17*, *Figure 18* and *Table 1*)

5.0 PSH THICKNESS

During 2005, the stabilized average PSH thicknesses ranged from 2.90-feet in groundwater monitoring well MW-9 to 6.07-feet in groundwater monitoring well MW-5and reflected yearly changes ranging from a decline of 2.14-feet in groundwater monitoring well MW-2 to an increase of 1.72-feet in groundwater monitoring well MW-8 (reference *Figure 15*, *Figure 16*, *Table 1* and *Table 5*).

6.0 GROUNDWATER ANALYTICAL RESULTS

The samples collected on March 31, May 12, August 12 and November 14, 2005 were analyzed for BTEX. The August 22, 2005 samples were also analyzed for the PAH suite of compounds (reference *Figure 4* through *Figure 14*, *Table 2*, *Table 3* and *Appendix I*).

Groundwater monitoring wells MW-2, MW-5, MW-6, MW-7, MW-8, MW-9 and MW-11 were not sampled due to the presence of PSH. BTEX and PAH were not detected at or above the respective MDLs in the samples collected from groundwater monitoring wells MW-1, MW-3, MW-4 and MW-10.

7.0 STATUS AND RECOMMENDATIONS

Currently, site reconnaissance occurs at least three days per week to maintain the PSH recovery system, manage PSH, document changes in groundwater and PSH levels and

ensure the site security fence is in good repair. Based on field monitoring and analytical results the following recommendations are being made (reference *Table 6*):

1) Continue PSH recovery and site reconnaissance activities at least three days per week;

2) Continue to sample monitor wells MW1, MW3 and MW4 on a semi-annual basis and monitoring well MW10 on a quarterly basis;

3) Submit groundwater samples quarterly for quantification of BTEX constituents and for the polynuclear aromatic hydrocarbons (PAHs) on an annual basis; and

4) Sample the biocell annually.

FIGURES

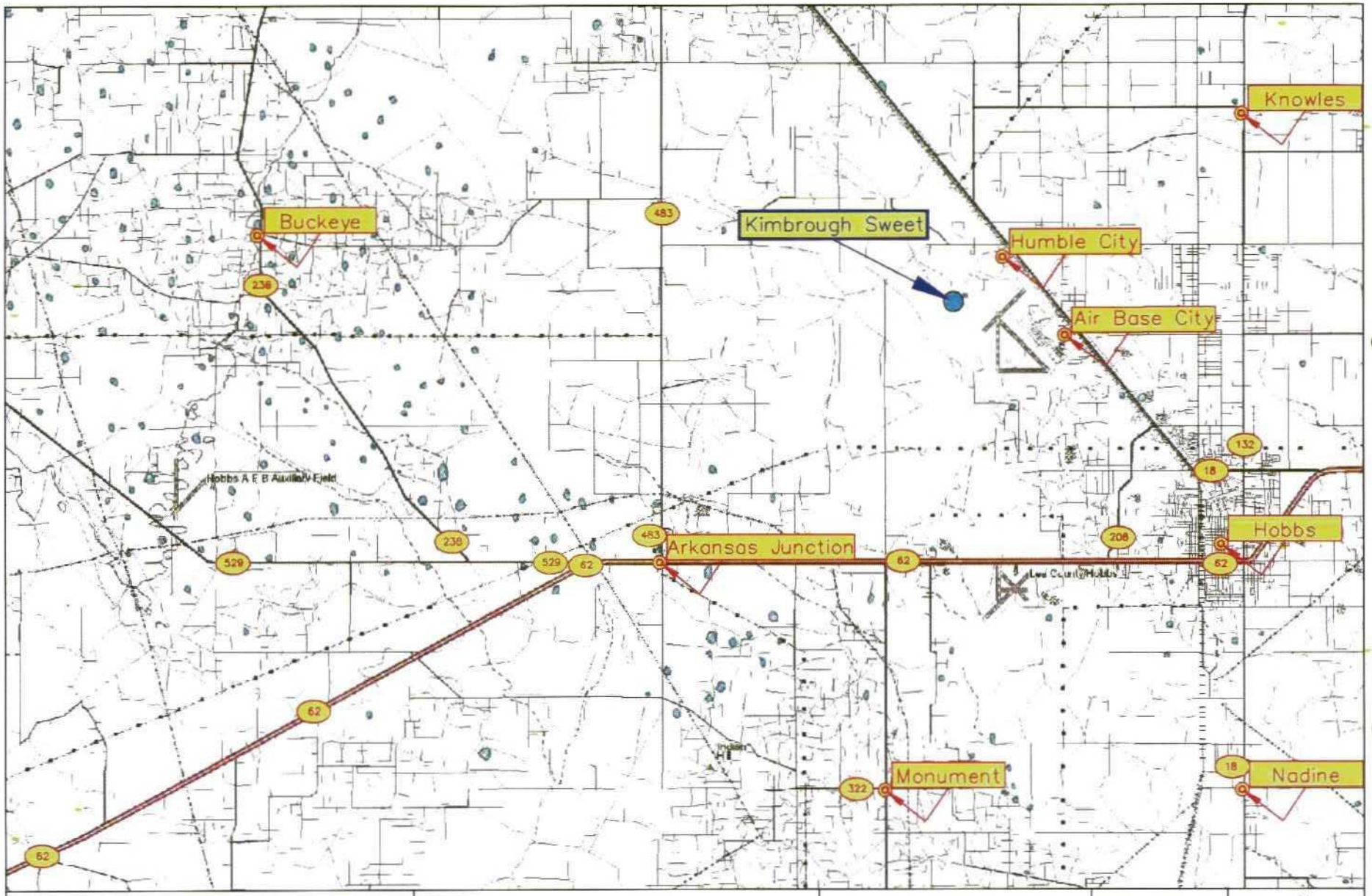

Figure 1
Area Map
Plains Pipeline, L. P.
Kimbrough Sweet ref. #2000-10757

Lea County, New Mexico
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E
N 32° 46' 48.0" W 103° 14' 18.0"
Elevation: 3,727 feet amsl

DWG By: Ian Olness
March 2004

REVISED:
Feb. 2006

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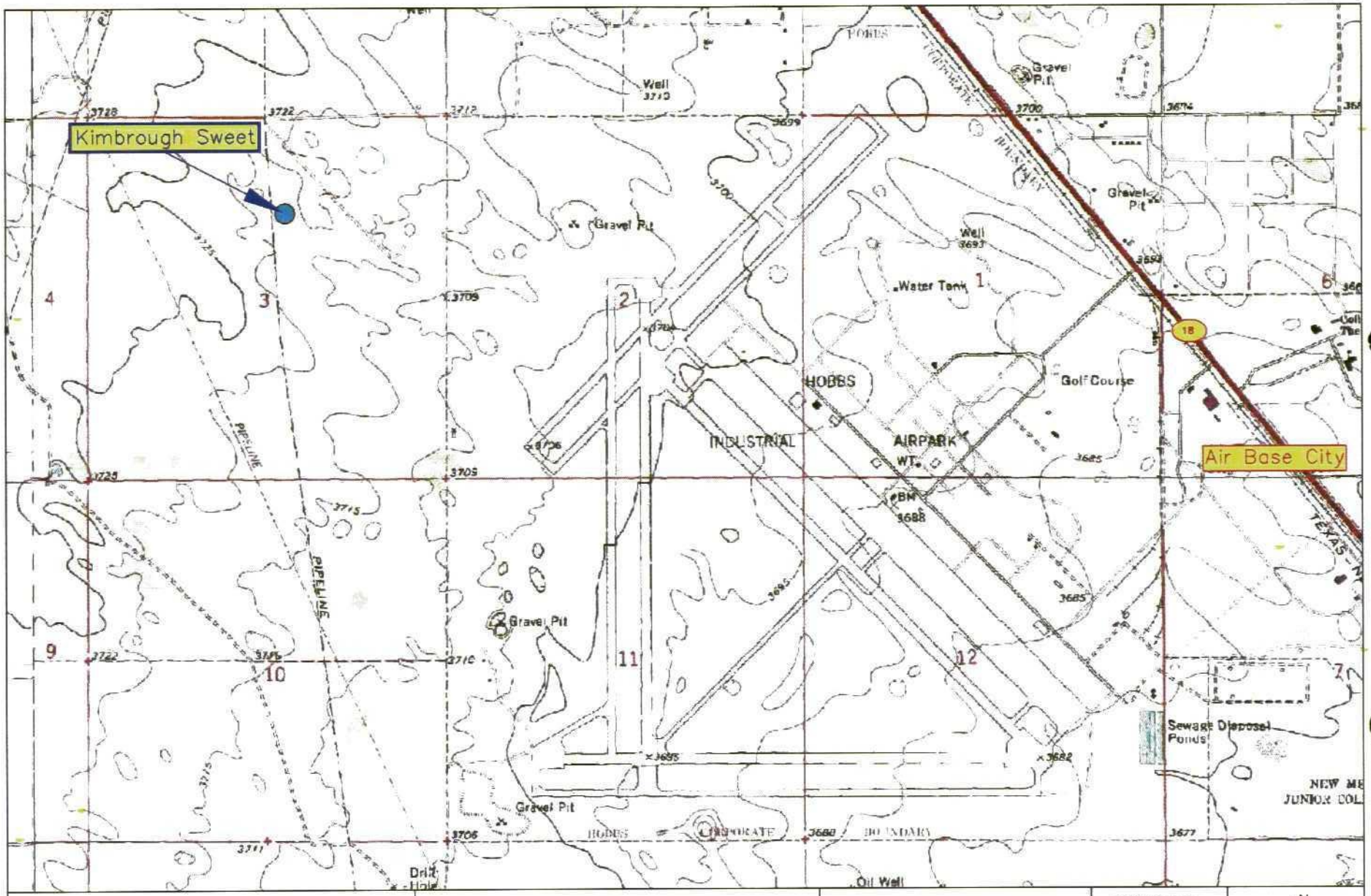

Figure 2 Site Location Map Plains Pipeline, L. P. Kimbrough Sweet ref. #2000–10757	Lea County, New Mexico SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E N 32° 46' 48.0" W 103° 14' 18.0" Elevation: 3,727 feet amsl	DWG By: Ian Olness March 2004 0 2000 4000 Feet	REVISED: Feb. 2006 SHEET 1 of 1

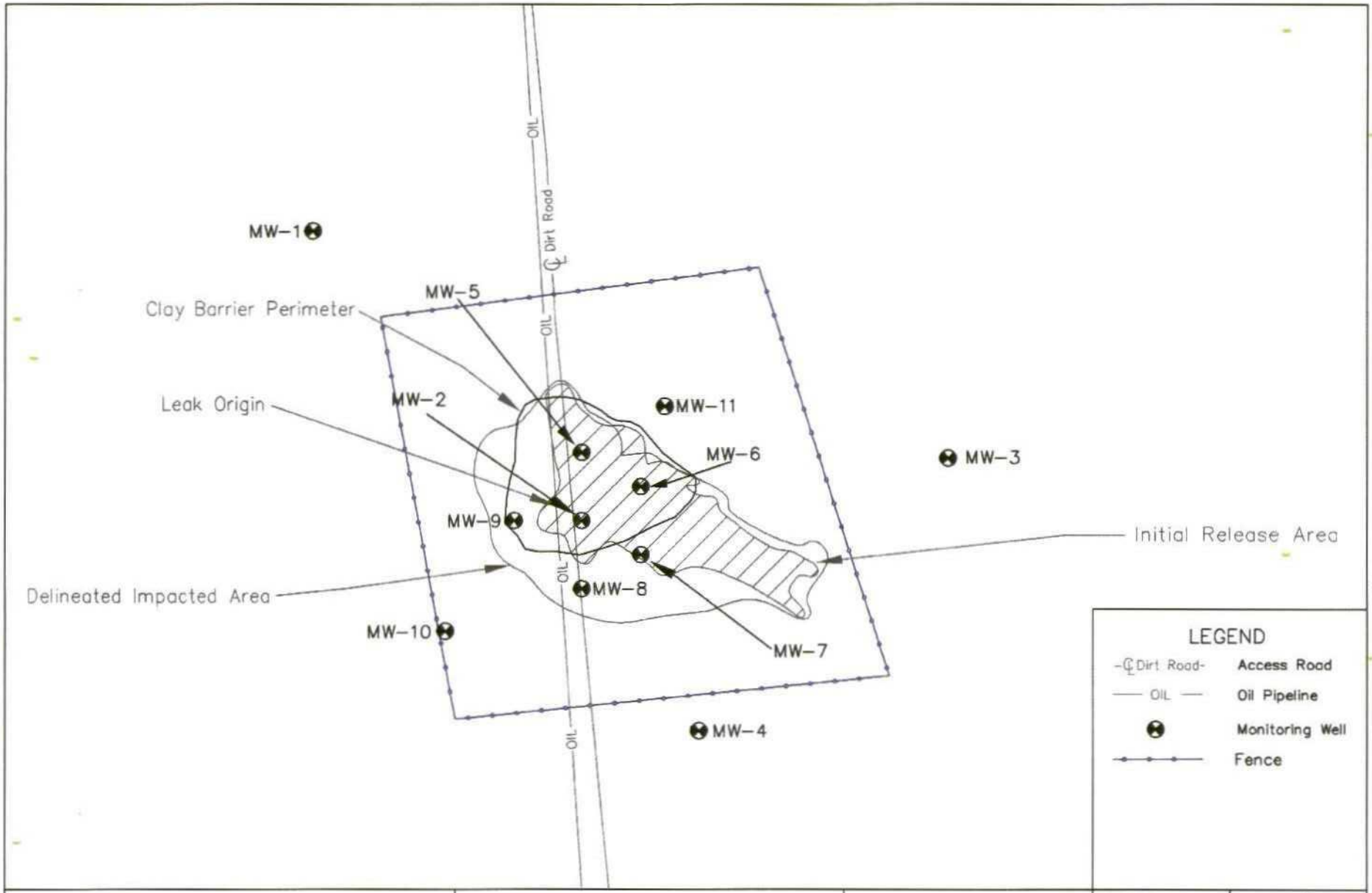

Figure 3 Site Map Plains Pipeline, L.P. Kimbrough Sweet ref. #2000-10757	Lea County, New Mexico SW¼ of the NW¼, Sec. 3, T18S, R37E N 32° 46' 48.0" W 103° 14' 18.0" Elevation: 3,727 - feet amsl	DWG By: Iain Olness June 2004	REVISED: February 2006	N
		0 100 200 Feet	SHEET 1 of 1	

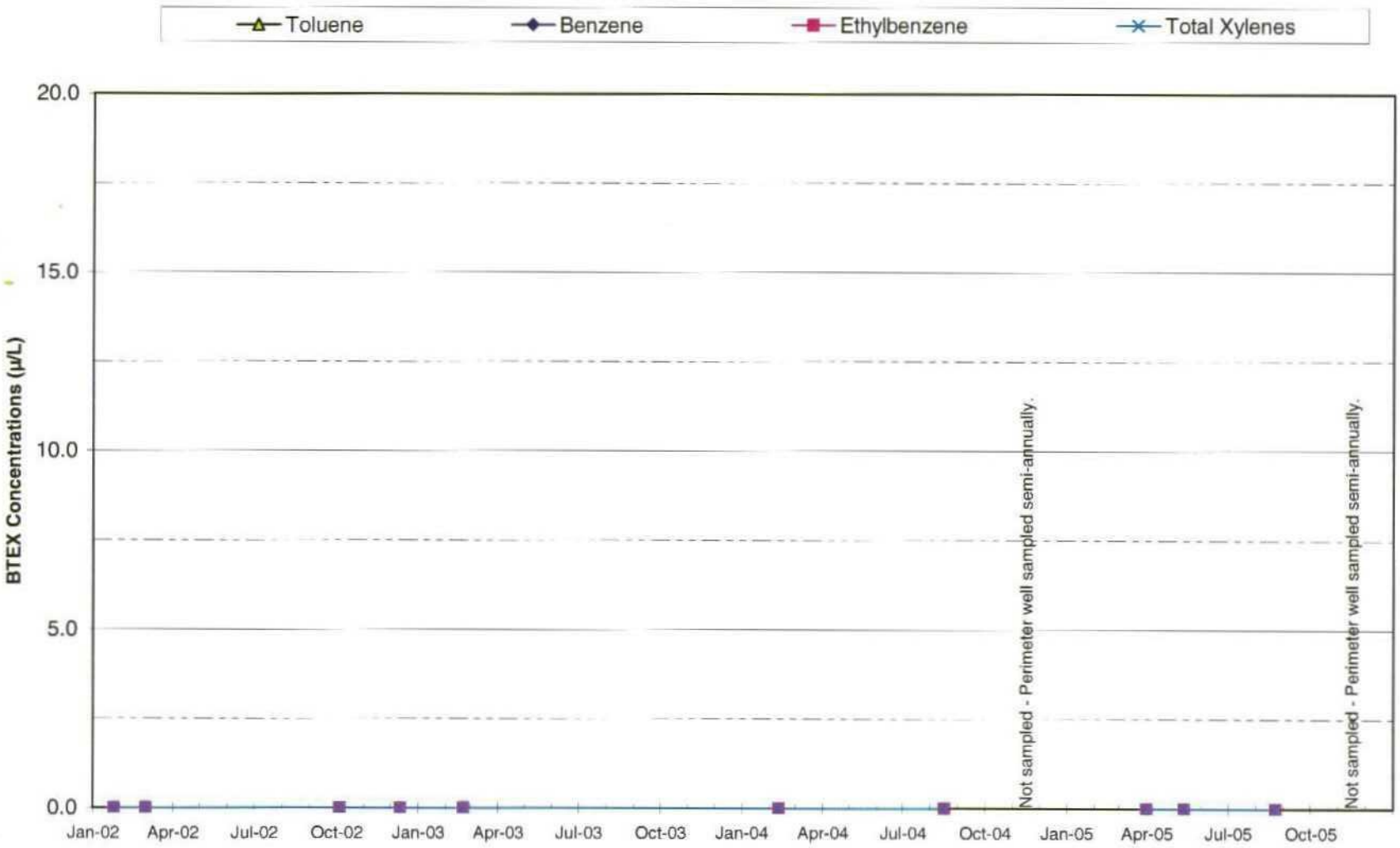

Figure 4: BTEX Concentrations in Groundwater Monitoring Well MW-1, from January 24, 2002 through December 31, 2005, Plains Pipeline, L.P., Kimbrough Sweet, Lea County, New Mexico.

Figure 4: BTEX Concentrations in Groundwater Monitoring Well MW-1

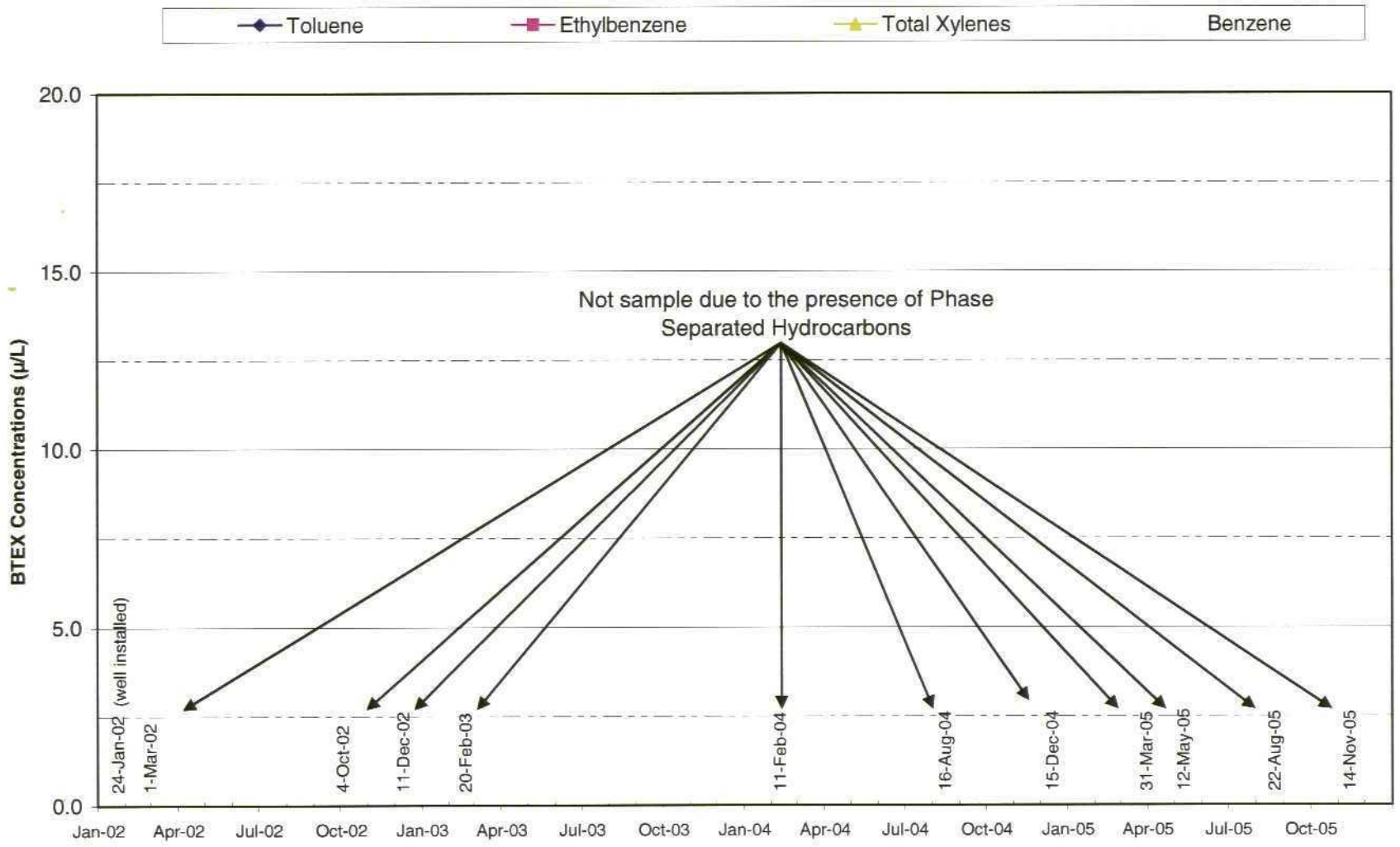

Figure 5: BTEX Concentrations in Groundwater Monitoring Well MW-2, from January 9, 2002 through December 31, 2005, Plains Pipeline, L.P., Kimbrough Sweet, Lea County, New Mexico.

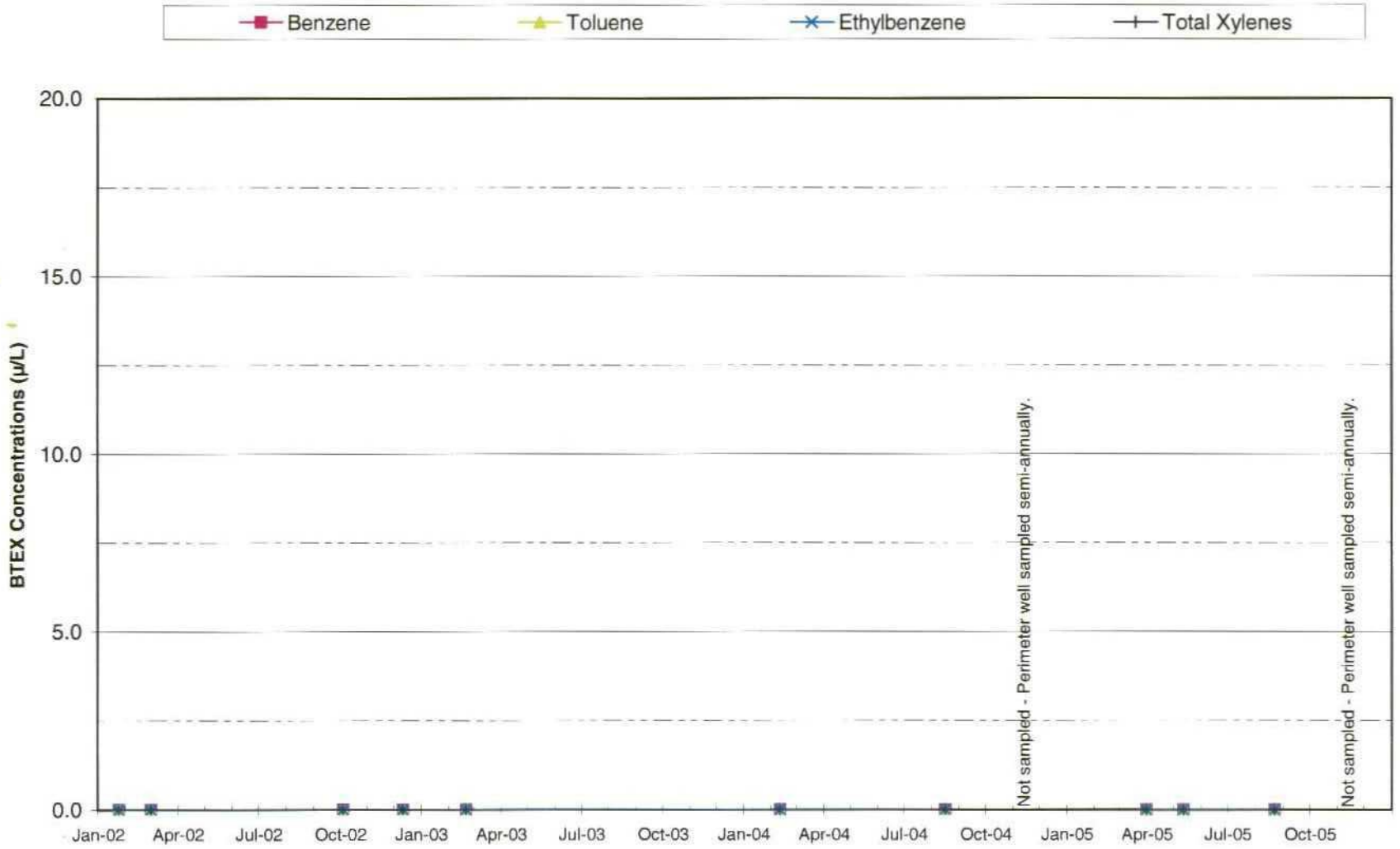

Figure 6: BTEX Concentrations in Groundwater Monitoring Well MW-3, from January 24, 2002 through December 31, 2005, Plains Pipeline, L.P., Kimbrough Sweet, Lea County, New Mexico.

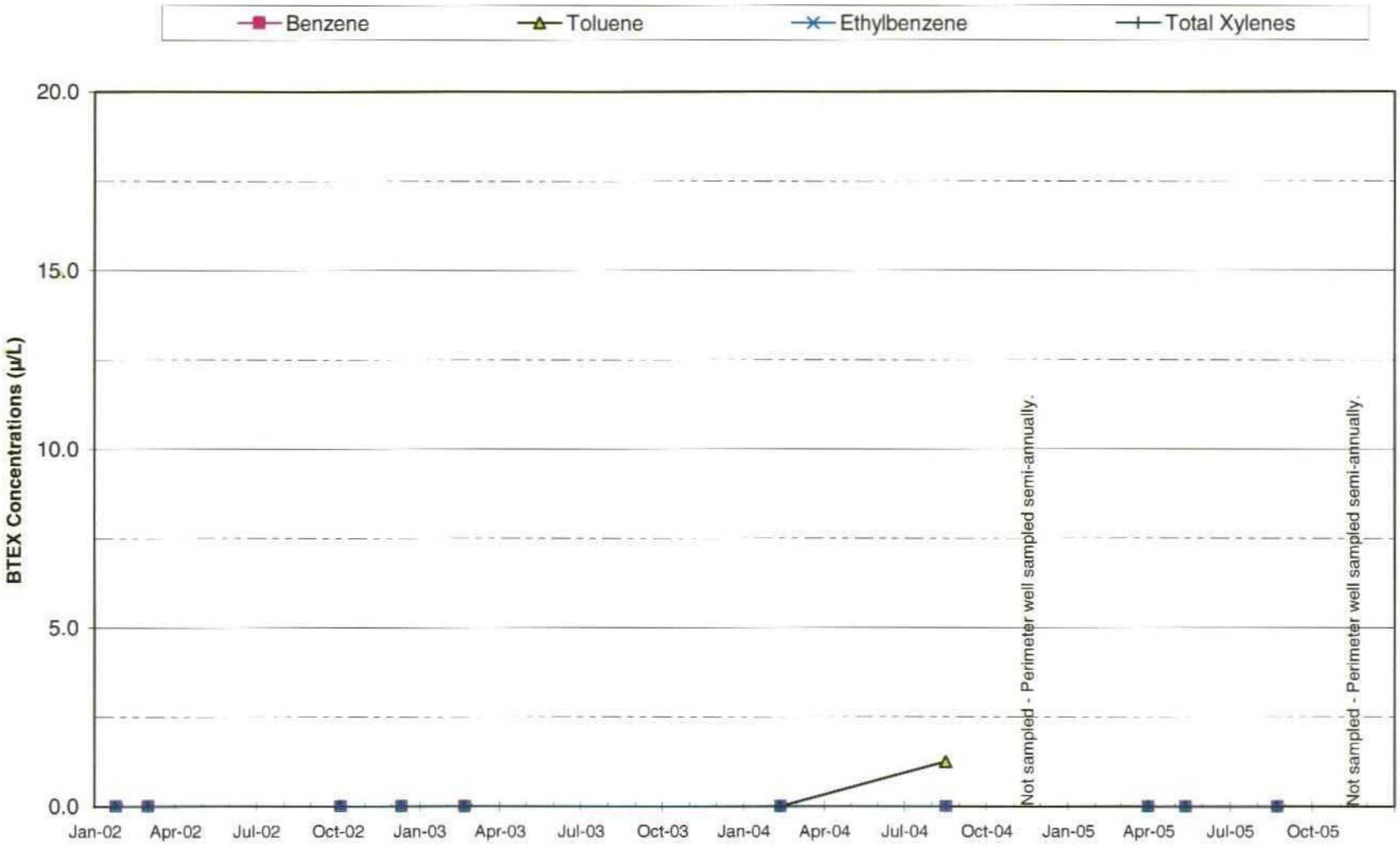

Figure 7: BTEX Concentrations in Groundwater Monitoring Well MW-4, from January 24, 2002 through December 31, 2005, Plains Pipeline, L.P., Kimbrough Sweet, Lea County, New Mexico.

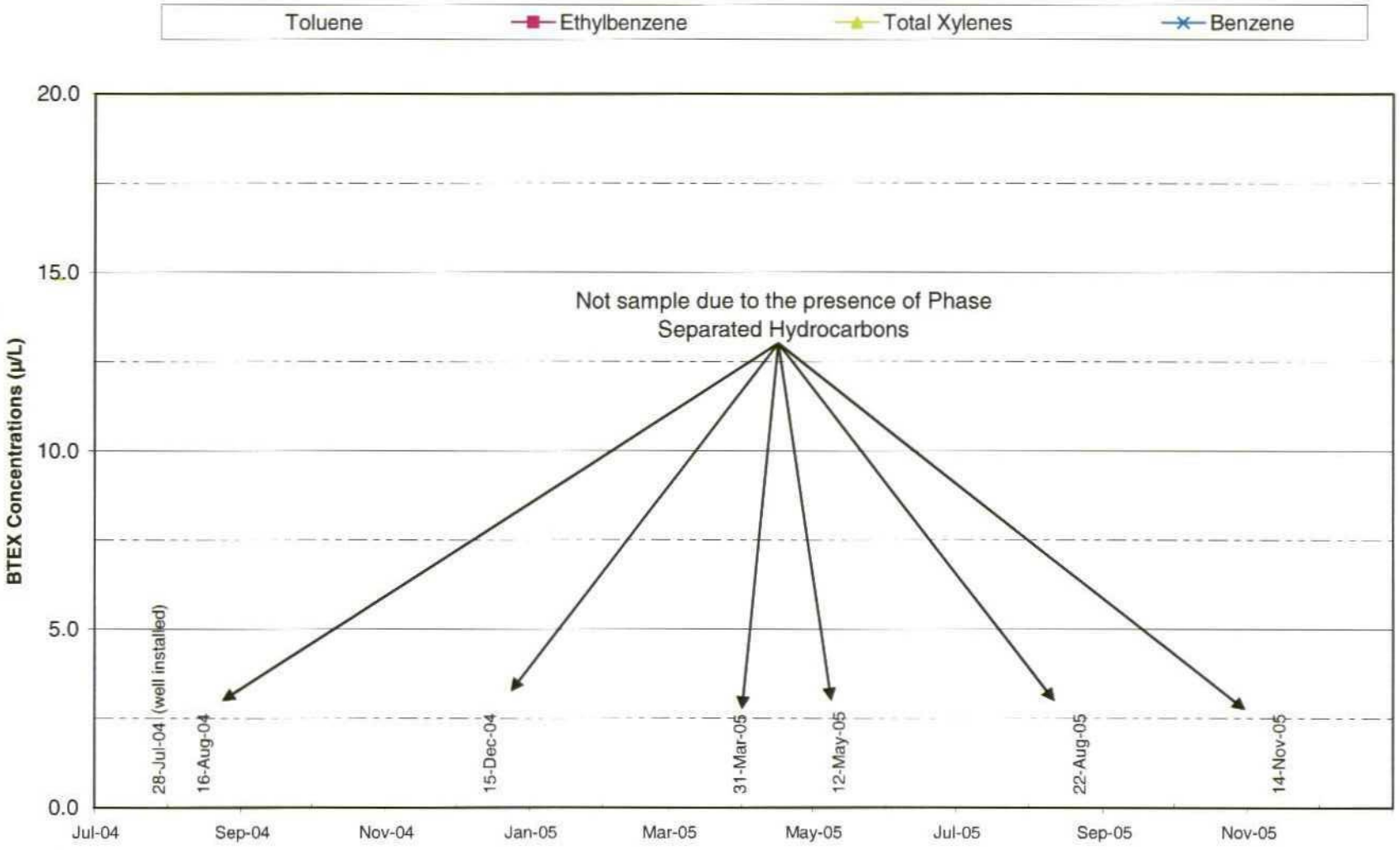

Figure 8: BTEX Concentrations in Groundwater Monitoring Well MW-5, from July 28, 2004 through December 31, 2005, Plains Pipeline, L.P., Kimbrough Sweet, Lea County, New Mexico.

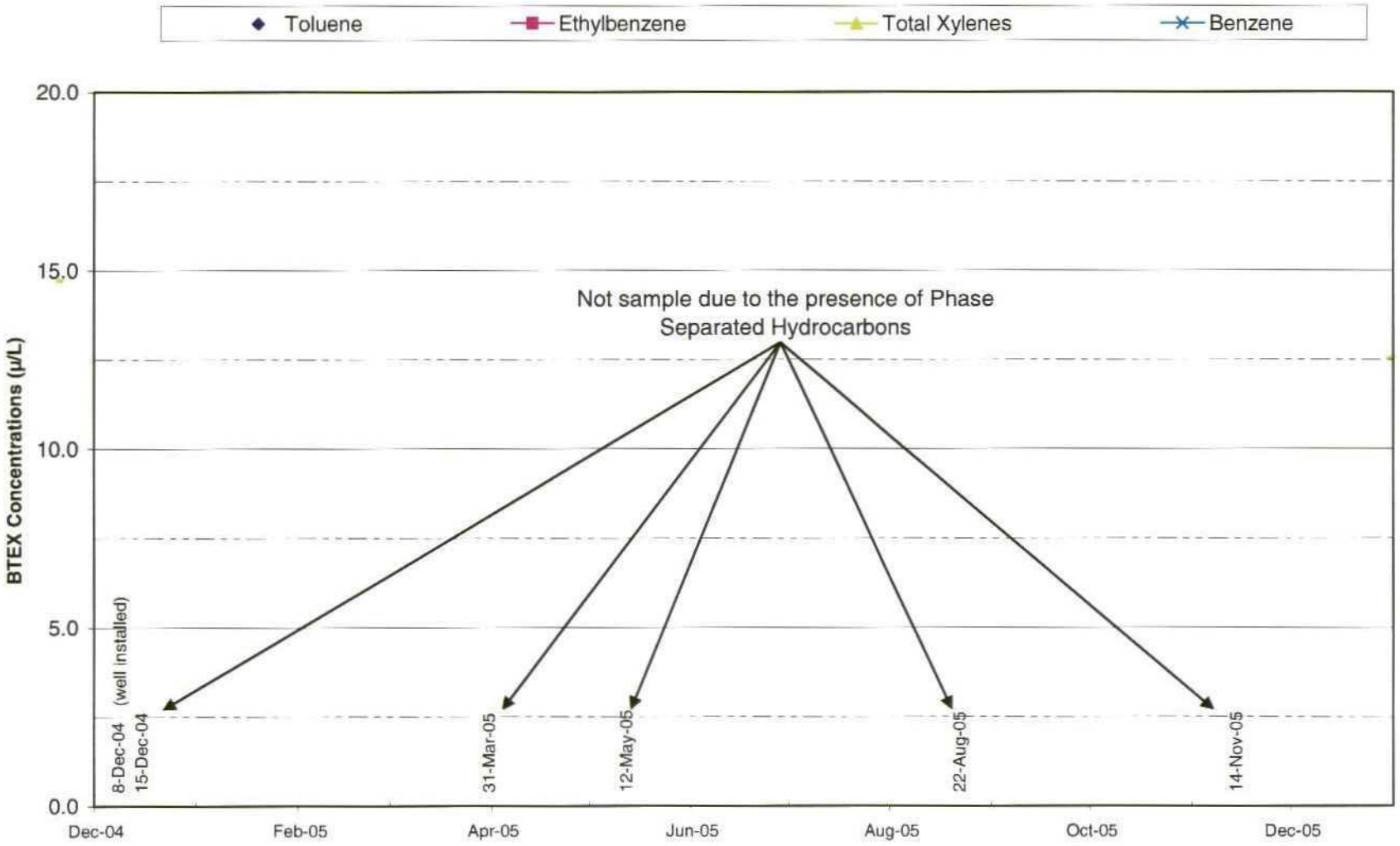

Figure 9: BTEX Concentrations in Groundwater Monitoring Well MW-6, from December 8, 2004 through December 31, 2005, Plains Pipeline, L.P., Kimbrough Sweet, Lea County, New Mexico.

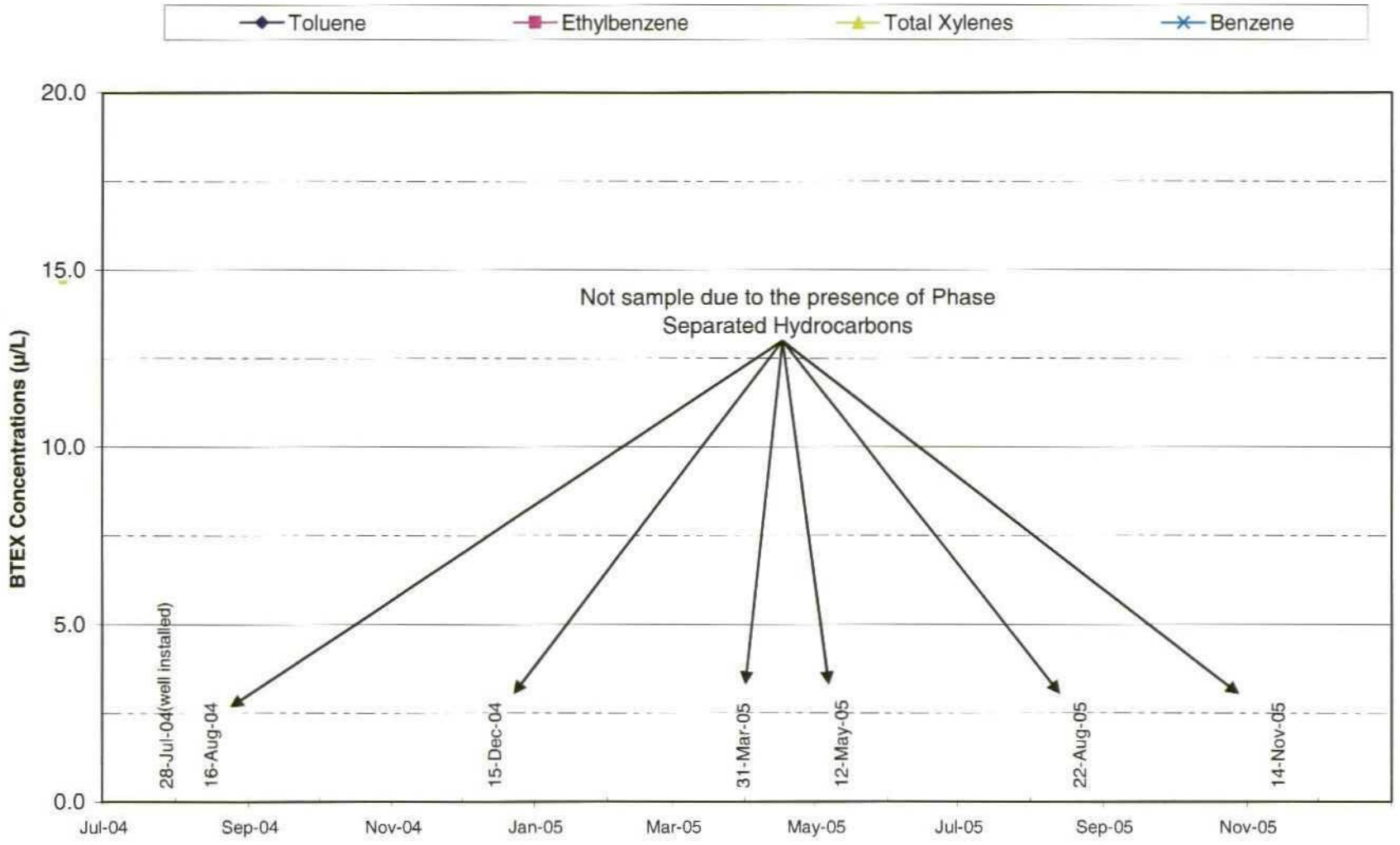

Figure 10: BTEX Concentrations in Groundwater Monitoring Well MW-7, from July 28, 2004 through December 31, 2005, Plains Pipeline, L.P., Kimbrough Sweet, Lea County, New Mexico.

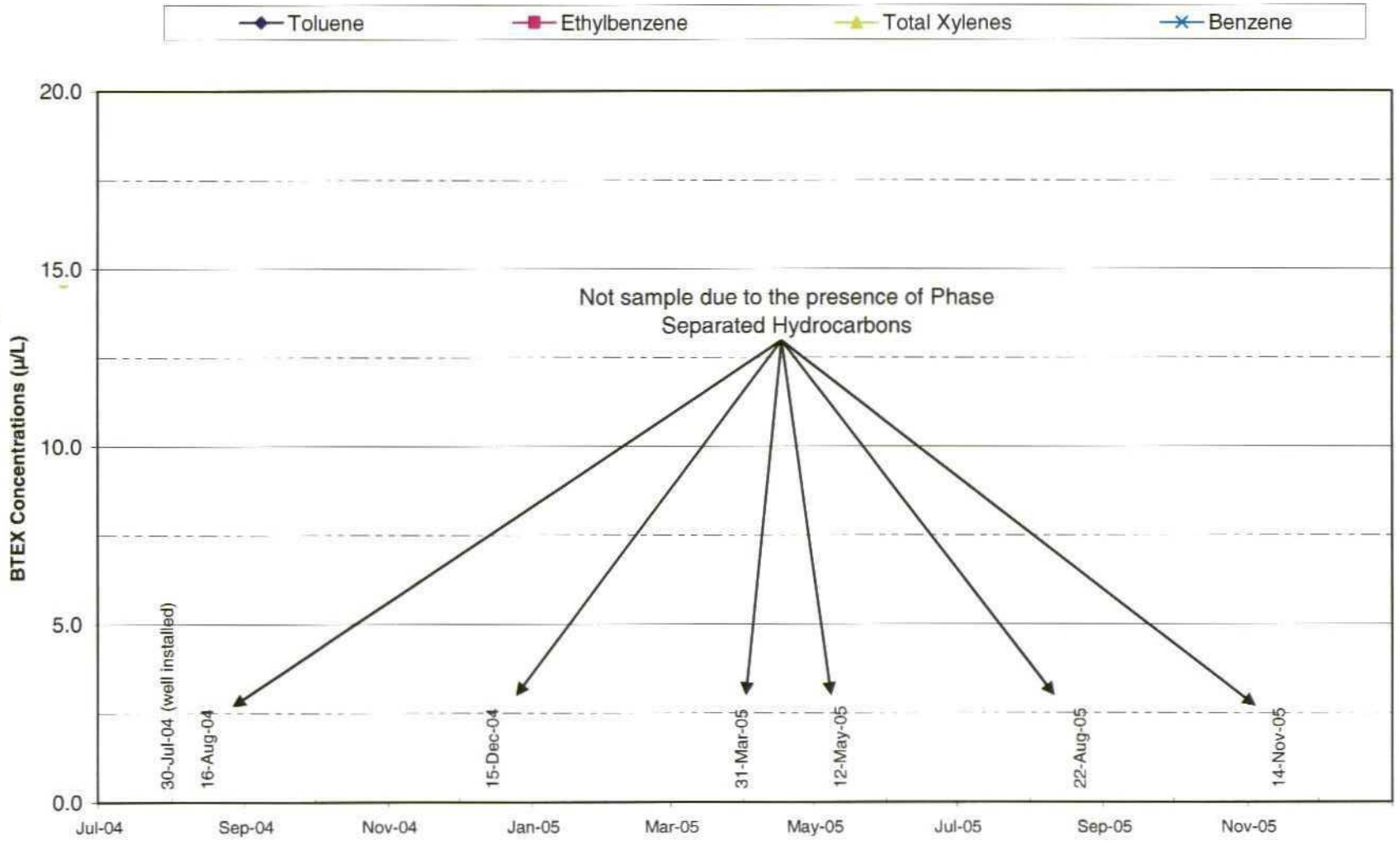

Figure 11: BTEX Concentrations in Groundwater Monitoring Well MW-8, from July 30, 2004 through December 31, 2005, Plains Pipeline, L.P., Kimbrough Sweet, Lea County, New Mexico.

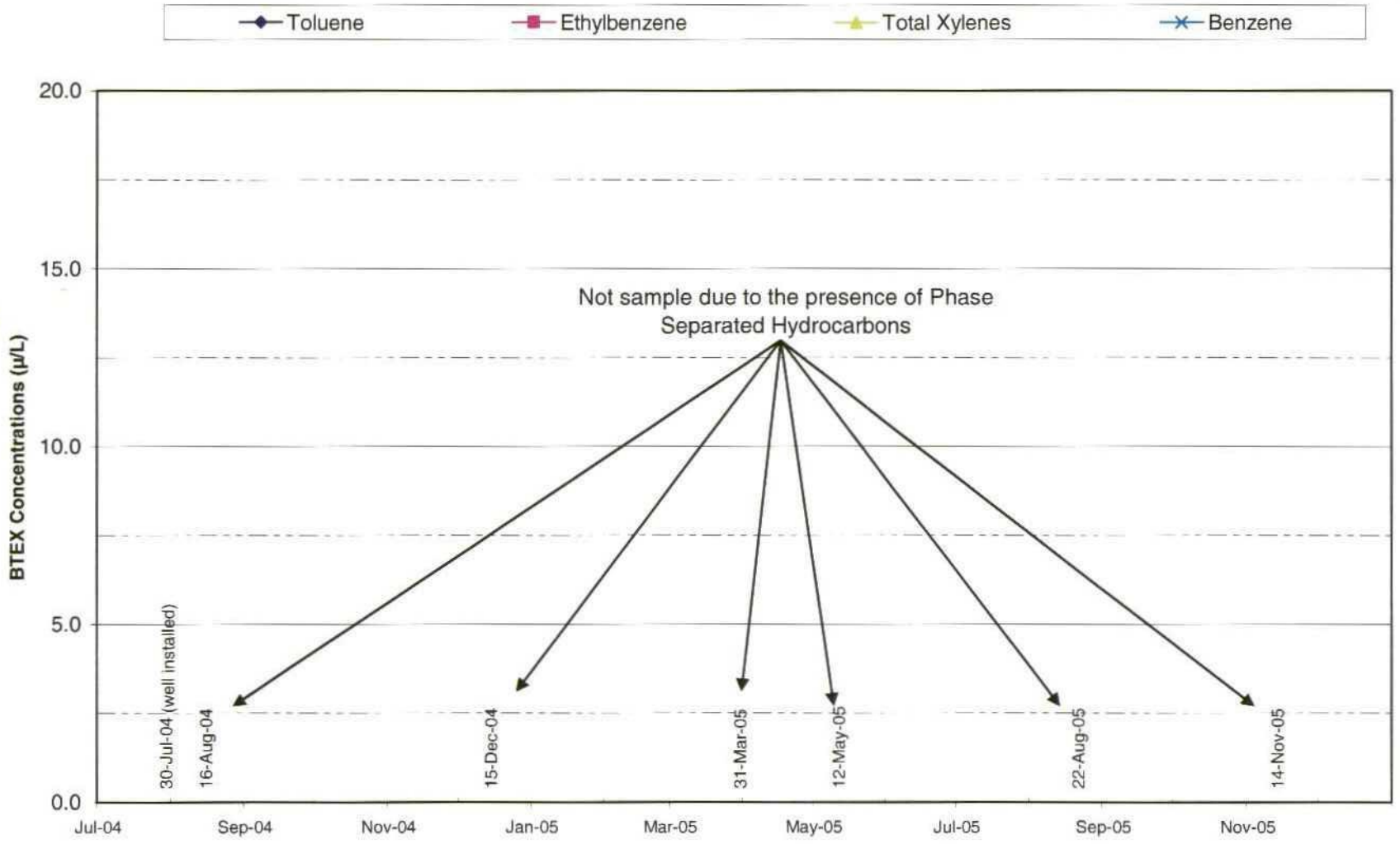

Figure 12: BTEX Concentrations in Groundwater Monitoring Well MW-9, from July 30, 2004 through December 31, 2005, Plains Pipeline, L.P., Kimbrough Sweet, Lea County, New Mexico.

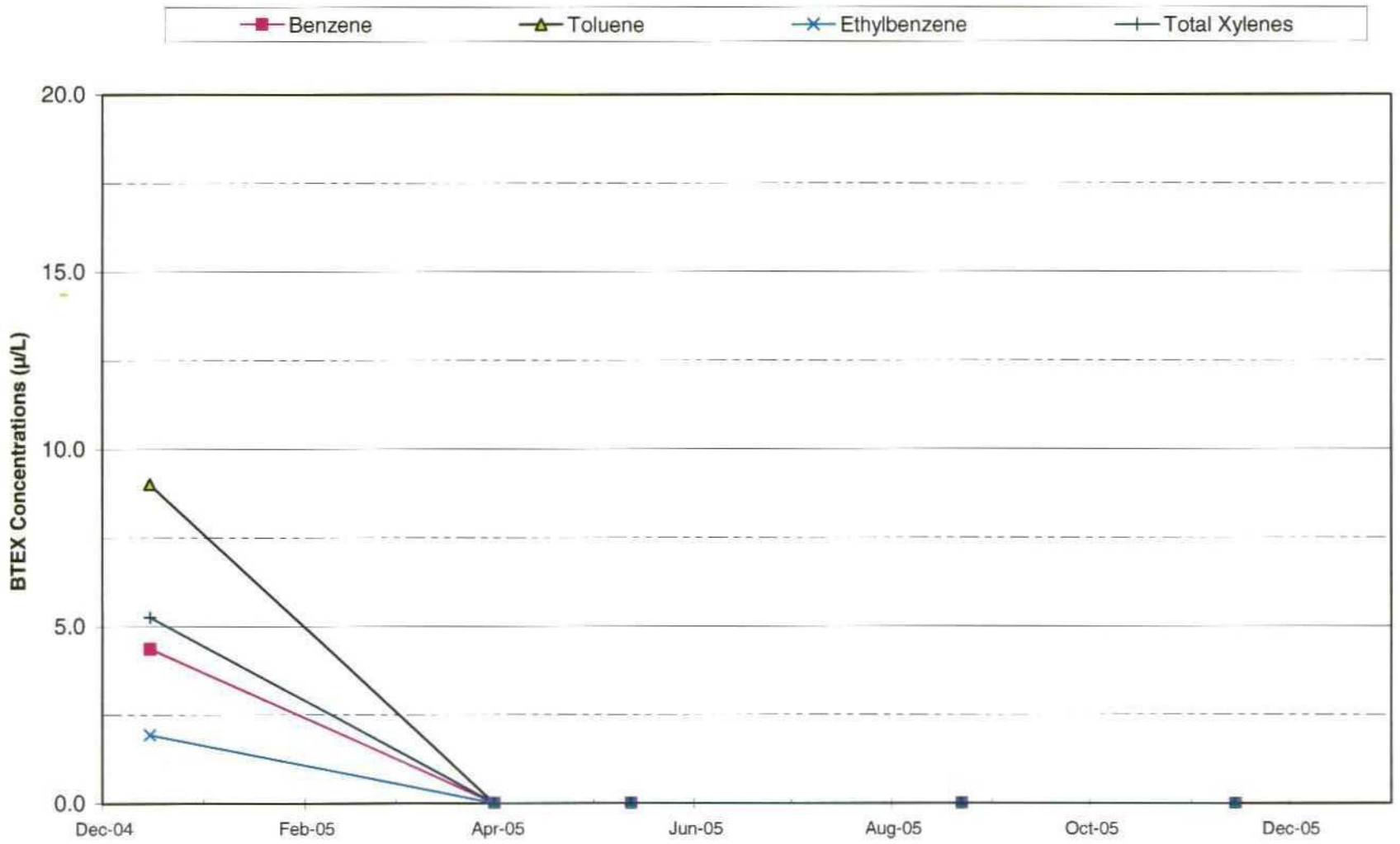

Figure 13: **BTEX Concentrations in Groundwater Monitoring Well MW-10, from December 7, 2004 through December 31, 2005, Plains Pipeline, L.P., Kimbrough Sweet, Lea County, New Mexico.**

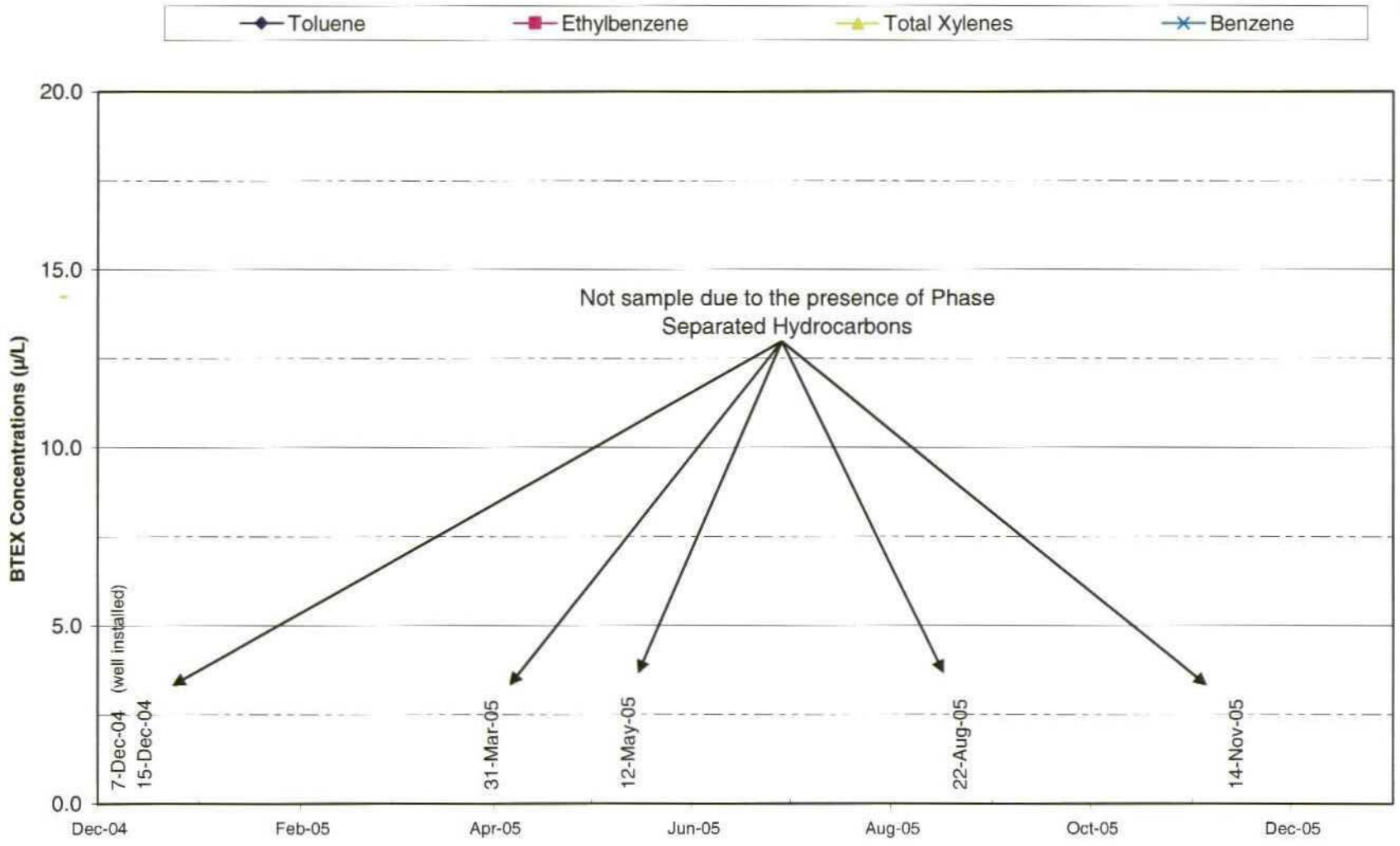

Figure 14: BTEX Concentrations in Groundwater Monitoring Well MW-11, from December 7, 2004 through December 31, 2005, Plains Pipeline, L.P., Kimbrough Sweet, Lea County, New Mexico.

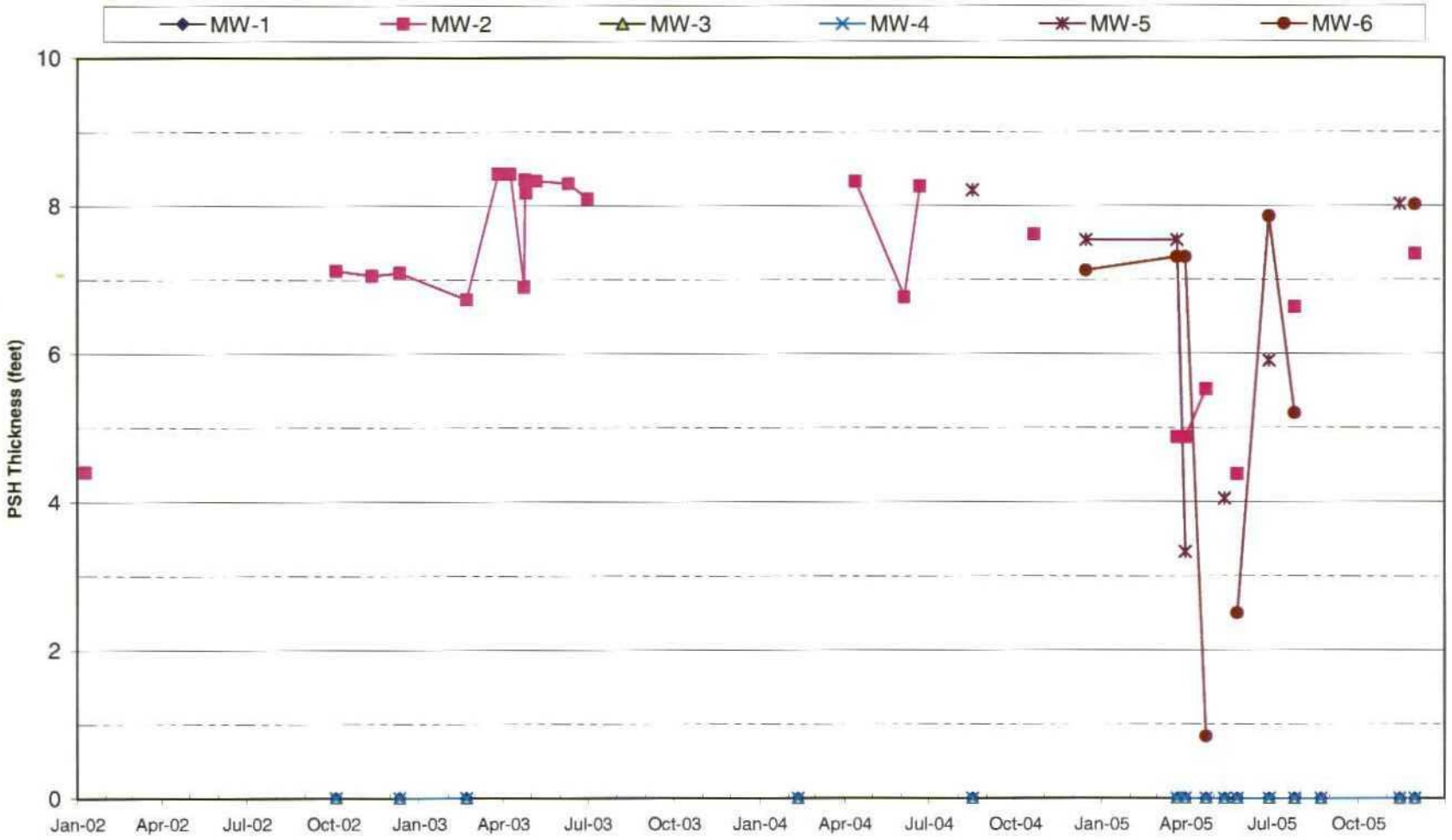

Figure 15: PSH Thicknesses in Groundwater Monitoring Wells MW-1 through MW-6 , from January 24, 2002 through

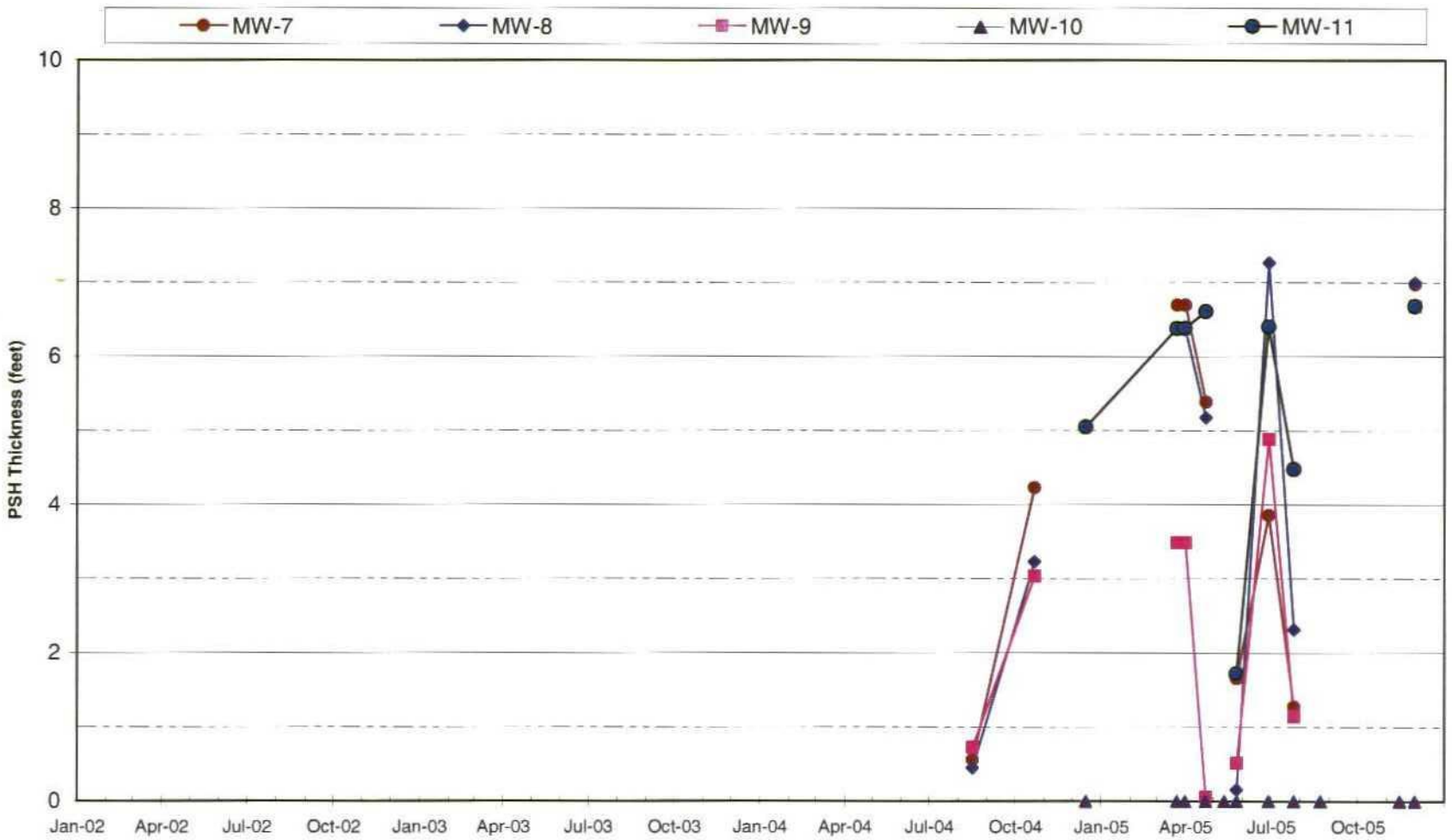

Figure 16: PSH Thicknesses in Groundwater Monitoring Wells MW-7 through MW-11 , from January 24, 2002 through

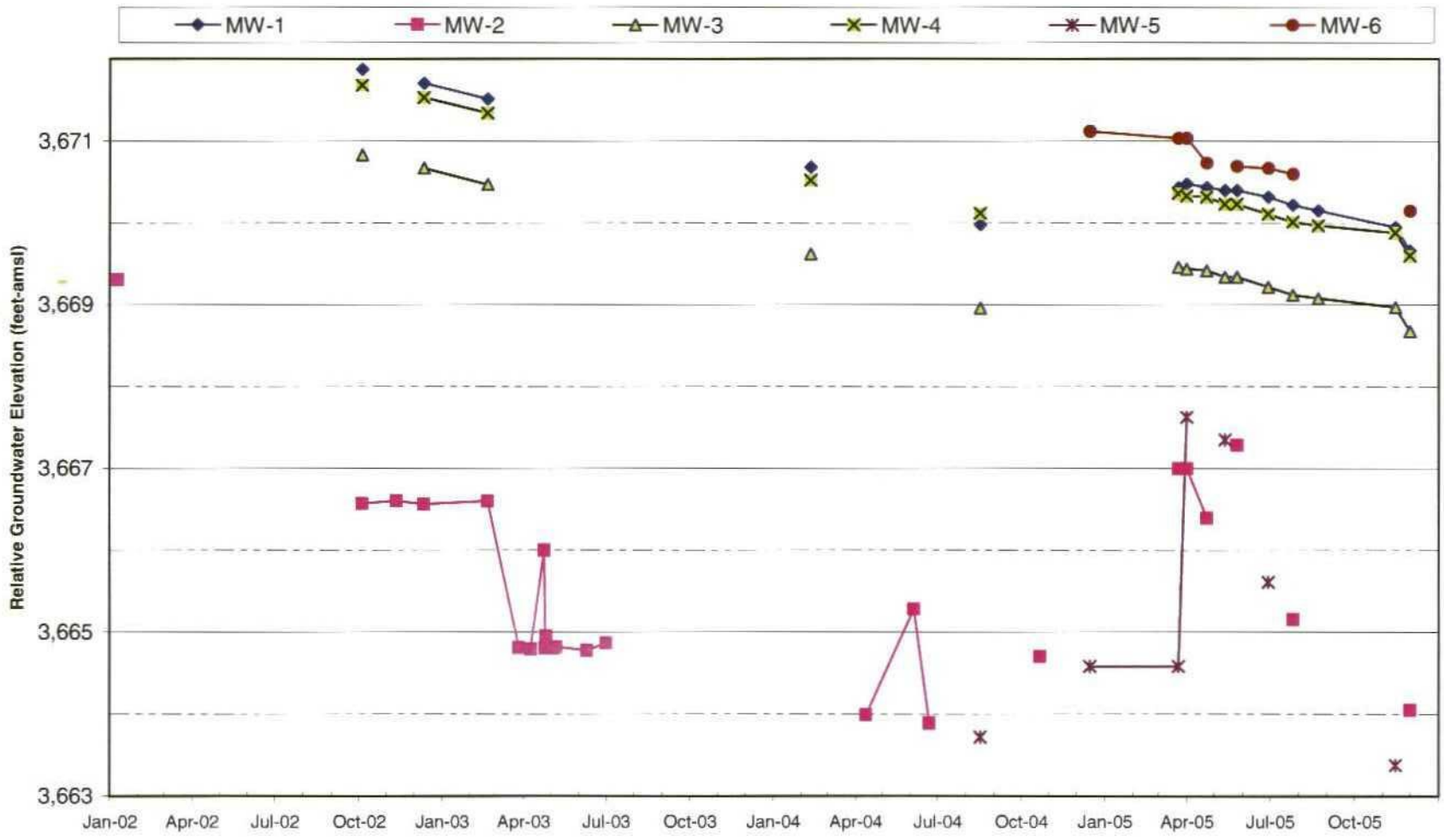

Figure 17: Hydrograph for Groundwater Monitoring Wells MW-1 through MW-6 , from January 24, 2002 through December 31, 2005, Plains Pipeline, L.P., Kimbrough Sweet, Lea County, New Mexico.

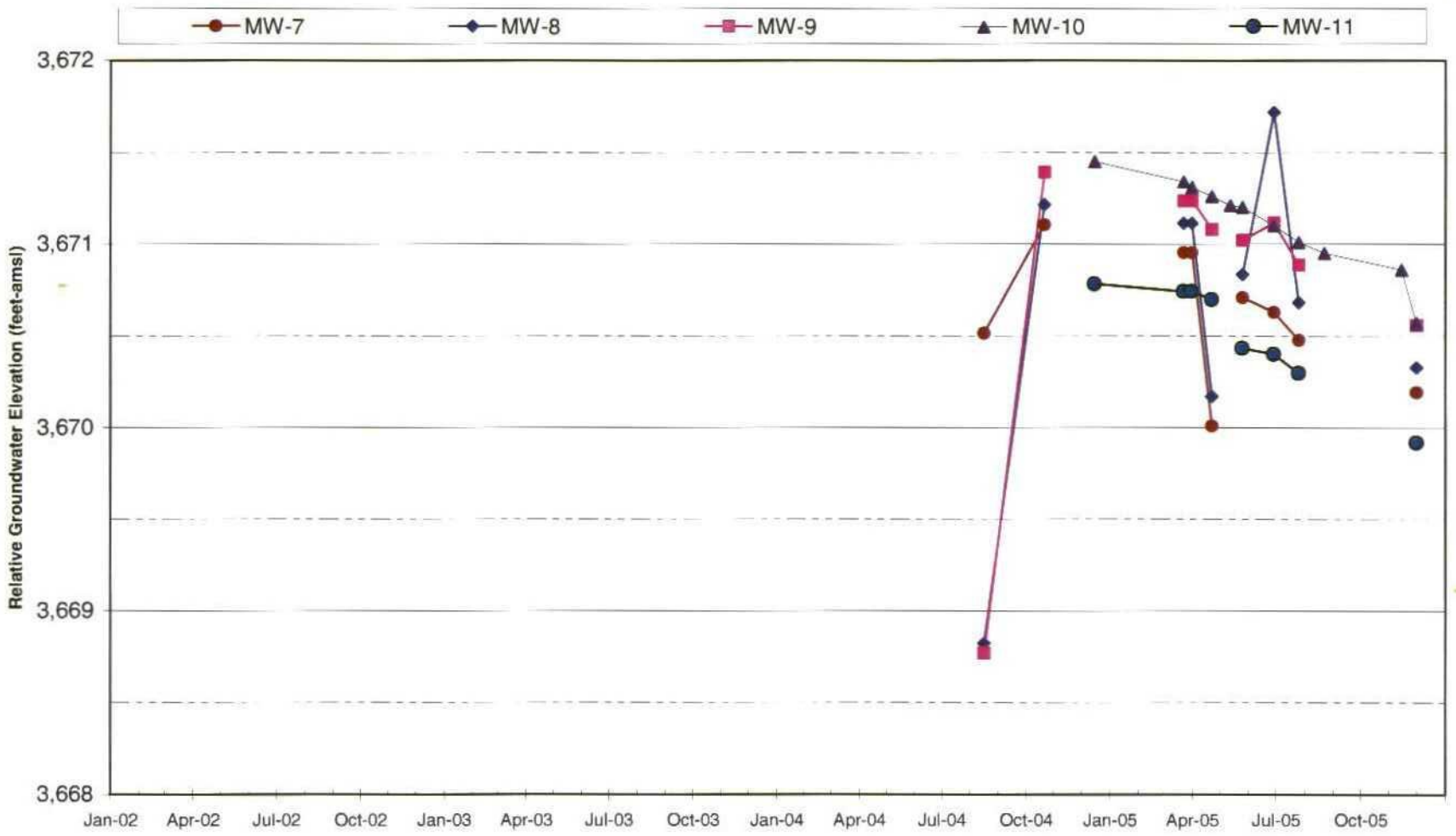

Figure 18: Hydrograph for Groundwater Monitoring Wells MW-7 through MW-11 , from January 24, 2002 through December 31, 2005, Plains Pipeline, L.P., Kimbrough Sweet, Lea County, New Mexico.

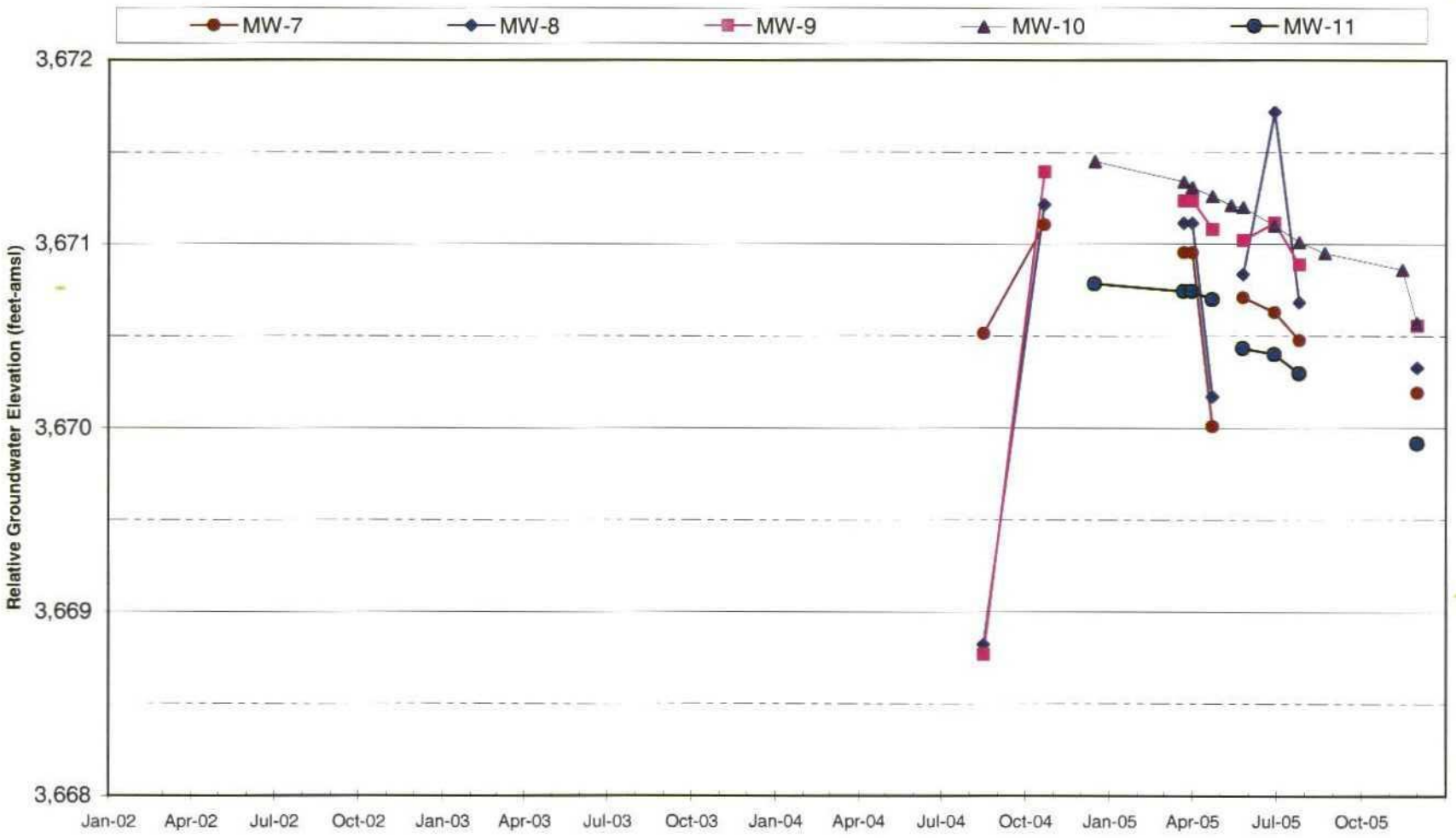

Figure 18: Hydrograph for Groundwater Monitoring Wells MW-7 through MW-11 , from January 24, 2002 through December 31, 2005, Plains Pipeline, L.P., Kimbrough Sweet, Lea County, New Mexico.

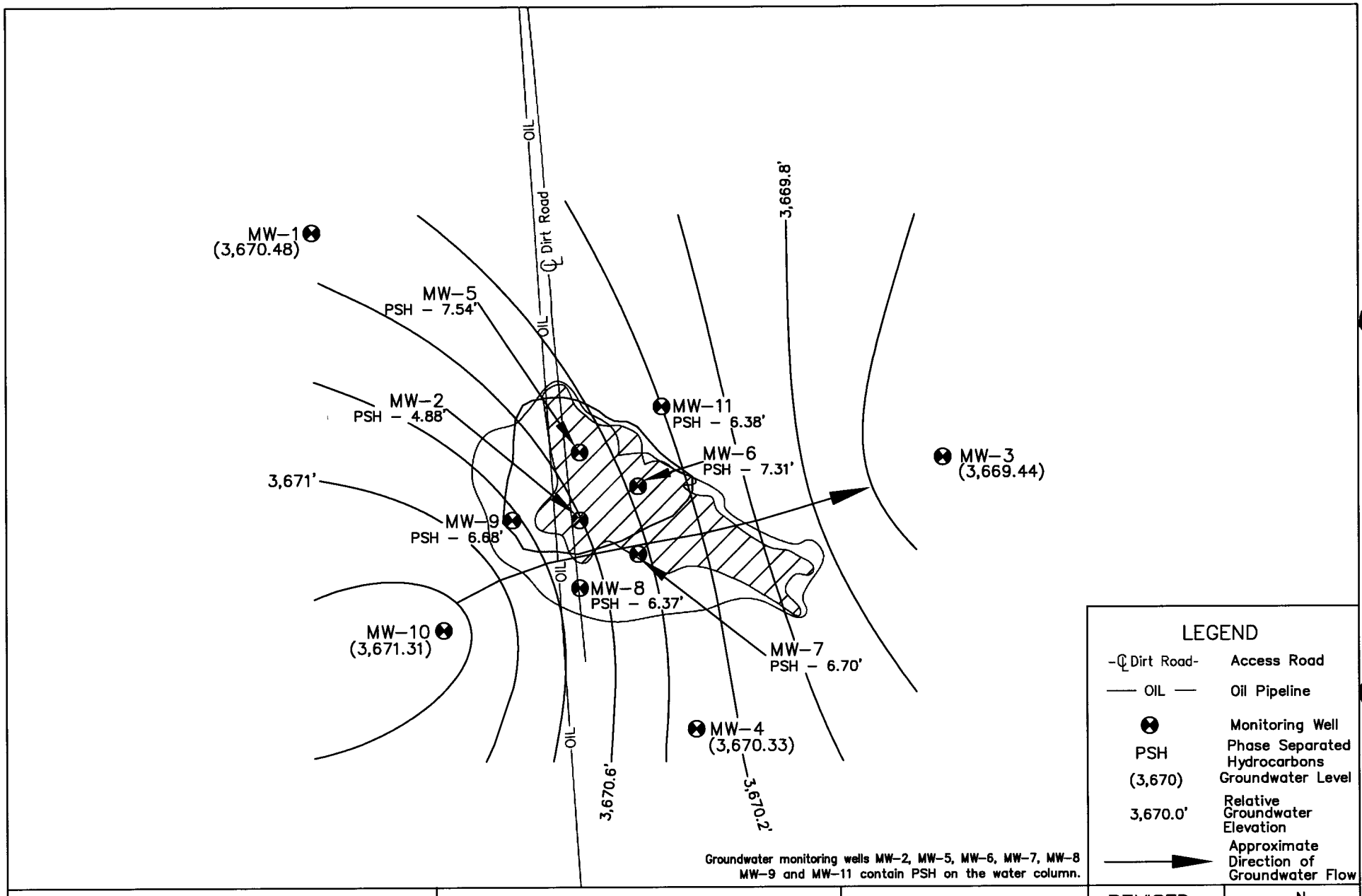

Figure 19
Groundwater Gradient Map – 3/31/05
Plains Pipeline, L. P.
Kimbrough Sweet #2000–10757

Lea County, New Mexico
SW 1/4 of the NW 1/4, Sec. 3, T18S, R37E
N 32° 46' 48.0" W 103° 14' 18.0"
Elevation 3,727–feet amsl

DWG By: Iain Olness
June 2004

REVISED:
February 2006

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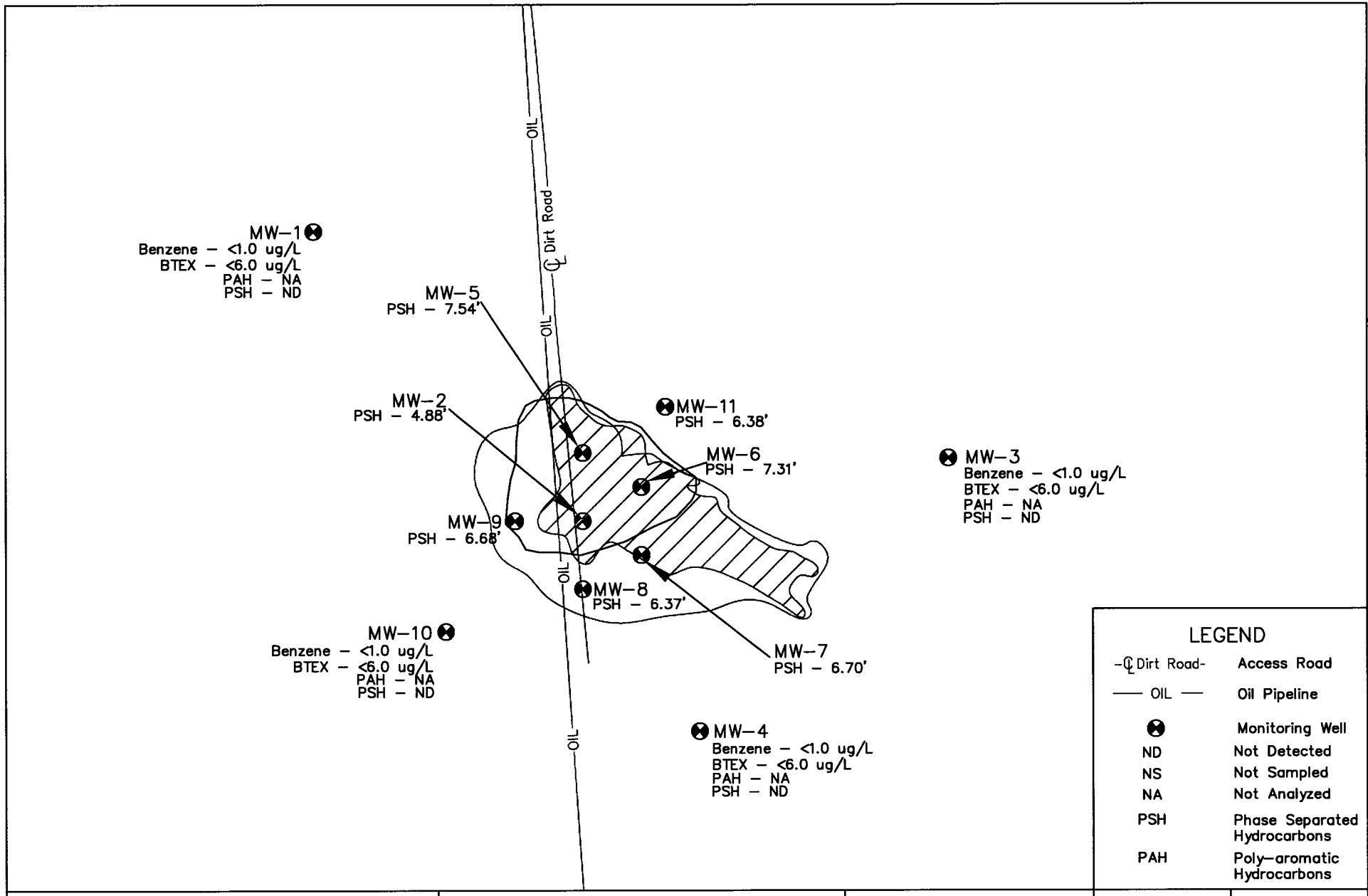

Figure 20
Contaminant Concentration Map – 03/31/05
Plains Pipeline, L. P.
Kimbrough Sweet #2000–10757

Lea County, New Mexico
SW 1/4 of the NW 1/4, Sec. 3, T18S, R37E
N 32° 46' 48.0" W 103° 14' 18.0"
Elevation 3,727–feet amsl

DWG By: Iain Olness
June 2004

REVISED:
February 2006

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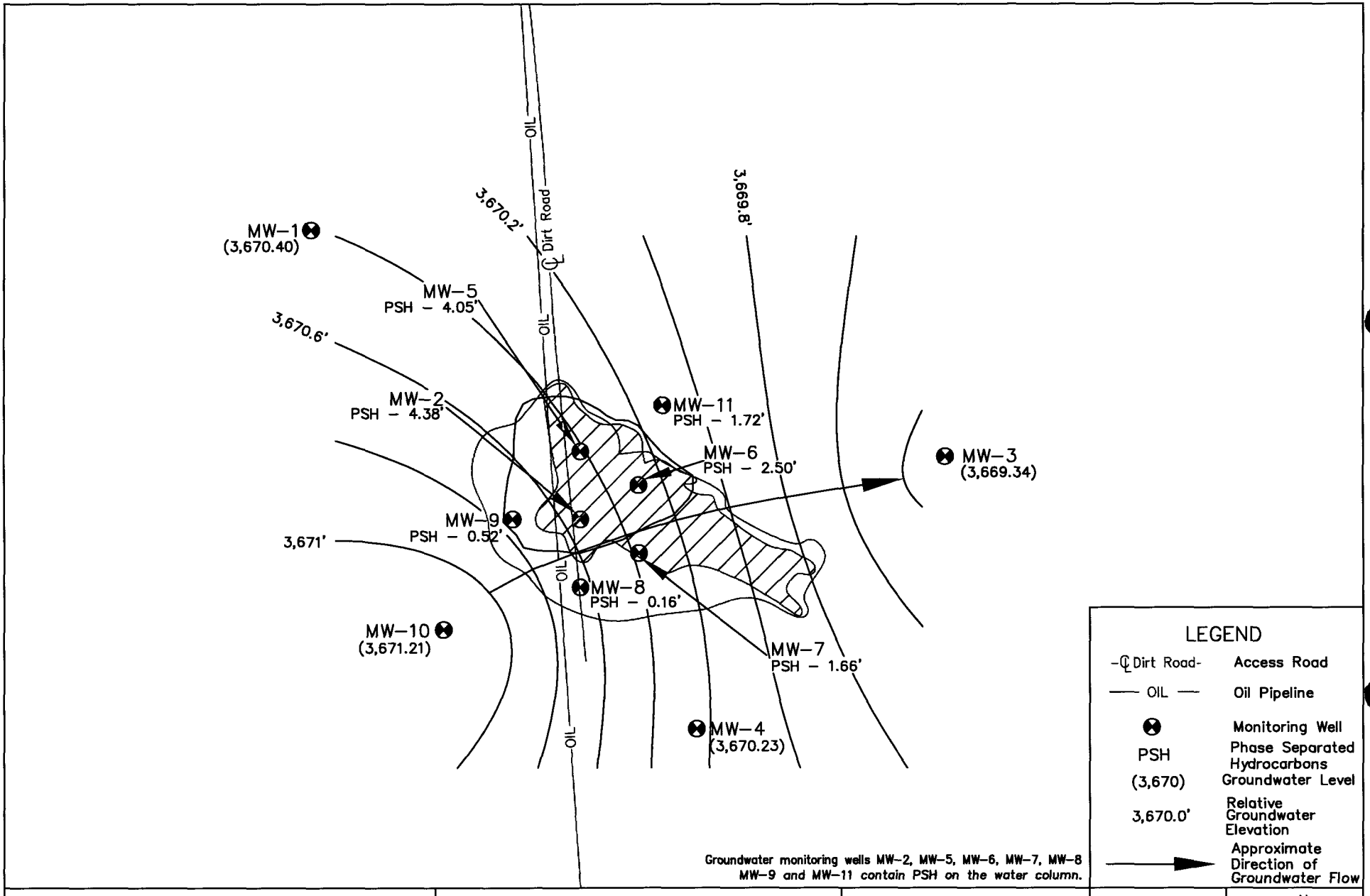

Figure 21 Groundwater Contour Map – 05/12/05 Plains Pipeline, L. P. Kimbrough Sweet #2000–10757	Lea County, New Mexico SW 1/4 of the NW 1/4, Sec. 3, T18S, R37E N 32° 46' 48.0" W 103° 14' 18.0" Elevation 3,727–feet amsl	DWG By: Iain Olness June 2004	REVISED: February 2006	SHEET 1 of 1

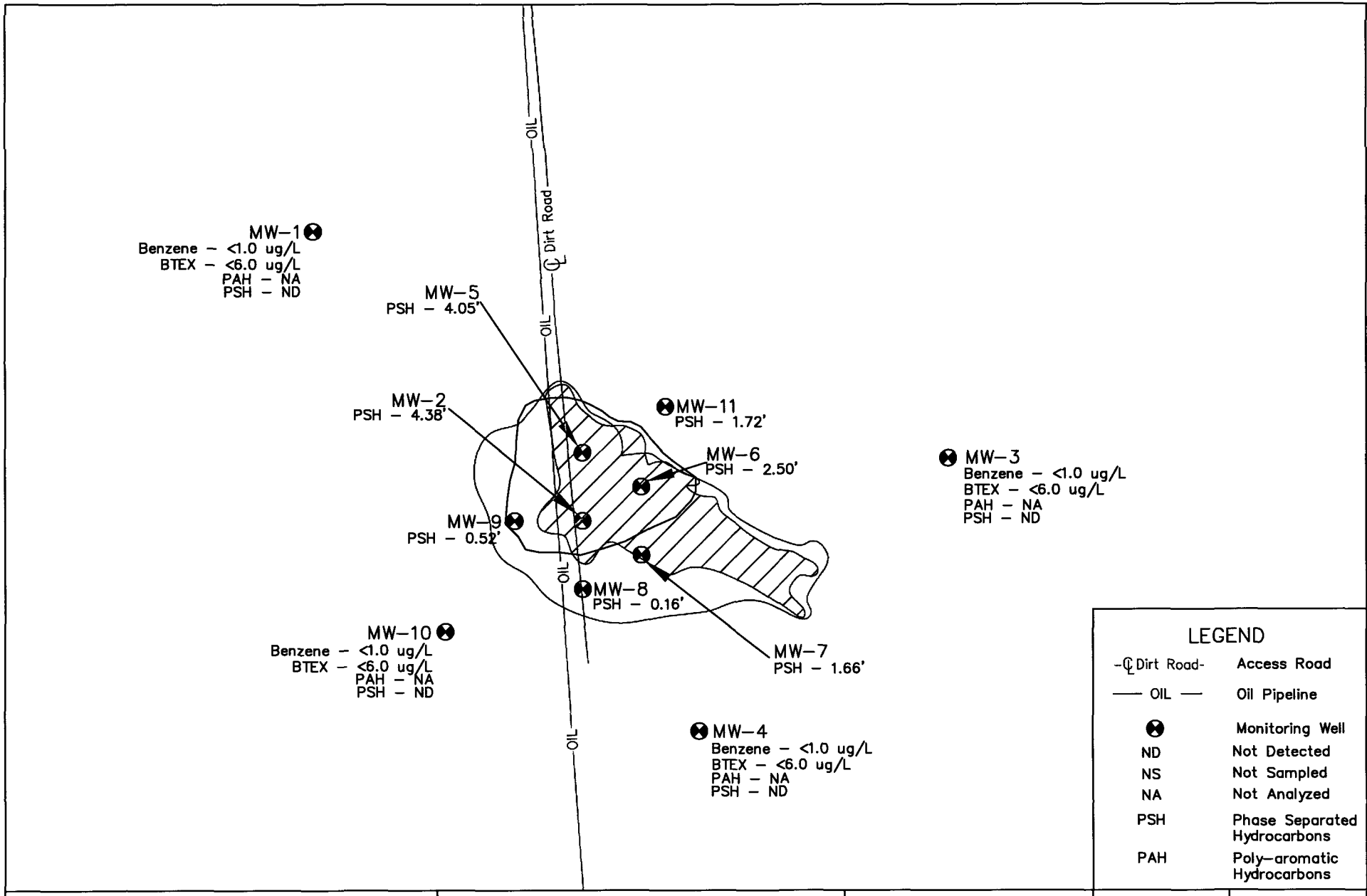

Figure 22
Contaminant Concentration Map – 05/12/05
Plains Pipeline, L. P.
Kimbrough Sweet #2000-10757

Lea County, New Mexico
SW 1/4 of the NW 1/4, Sec. 3, T18S, R37E
N 32° 46' 48.0" W 103° 14' 18.0"
Elevation 3,727-feet amsl

DWG By: Iain Olness
June 2004

REVISED:
February 2006

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Feet

SHEET
1 of 1

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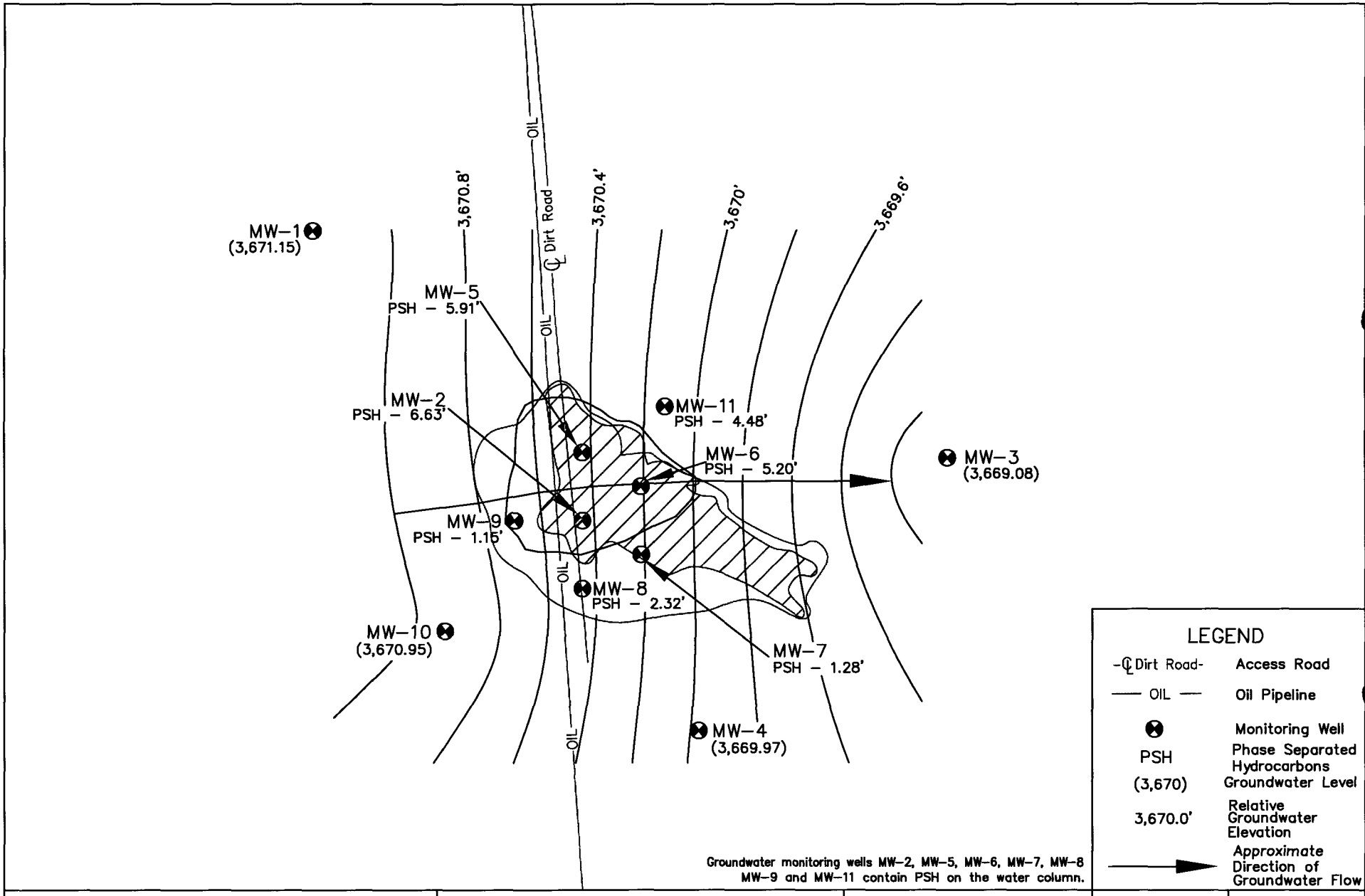

Figure 23 Groundwater Contour Map – 08/22/05 Plains Pipeline, L. P. Kimbrough Sweet #2000–10757	Lea County, New Mexico SW 1/4 of the NW 1/4, Sec. 3, T18S, R37E N 32° 46' 48.0" W 103° 14' 18.0" Elevation 3,727–feet amsl	DWG By: Iain Olness June 2004	REVISED: February 2006	SHEET 1 of 1

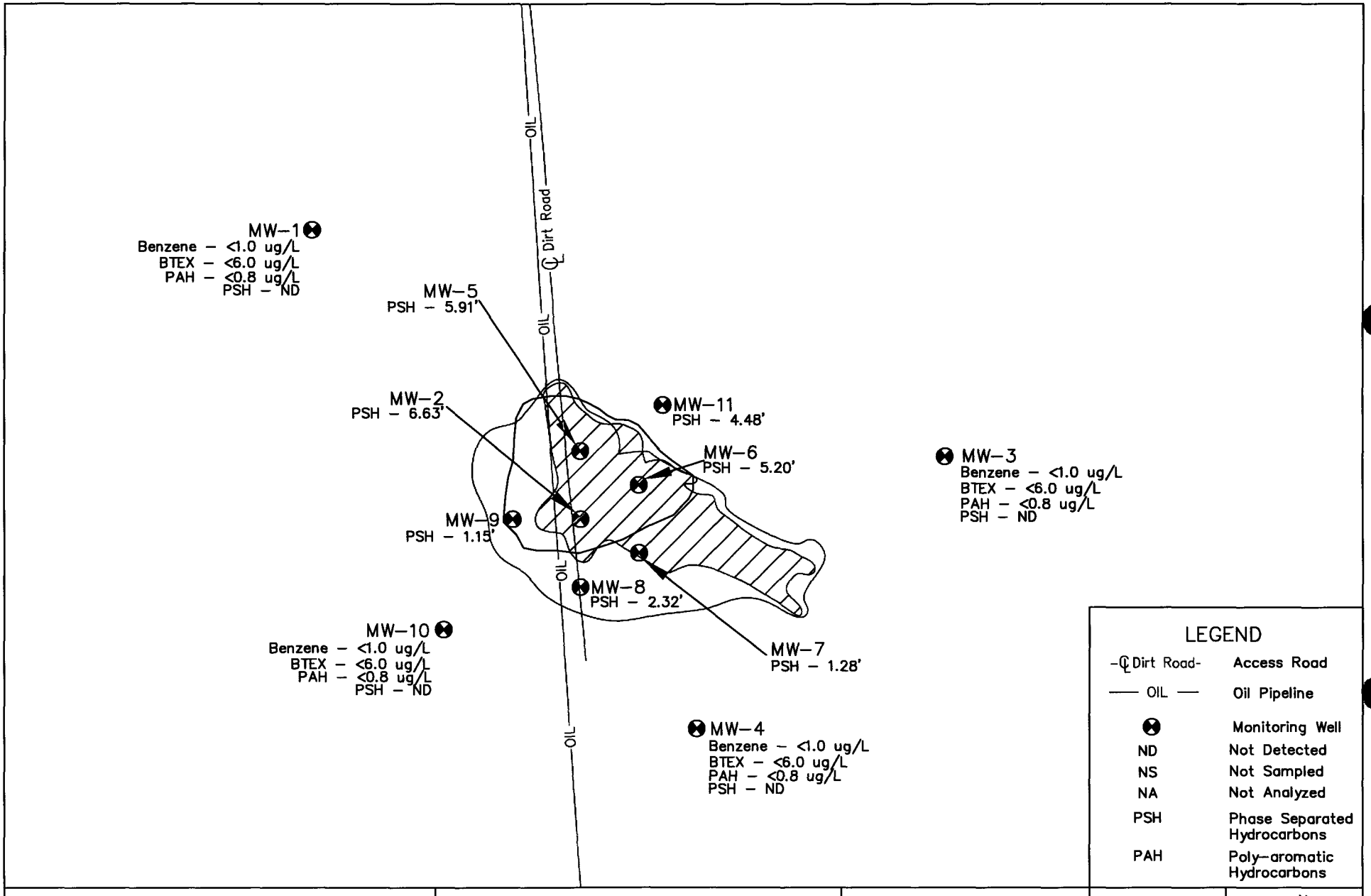

Figure 24 Contaminant Concentration Map – 08/22/05 Plains Pipeline, L. P. Kimbrough Sweet #2000-10757	Lea County, New Mexico SW 1/4 of the NW 1/4, Sec. 3, T18S, R37E N 32° 46' 48.0" W 103° 14' 18.0" Elevation 3,727-feet amsl	DWG By: Iain Olness June 2004	REVISED: February 2006	N
		0 100 200 Feet	SHEET 1 of 1	

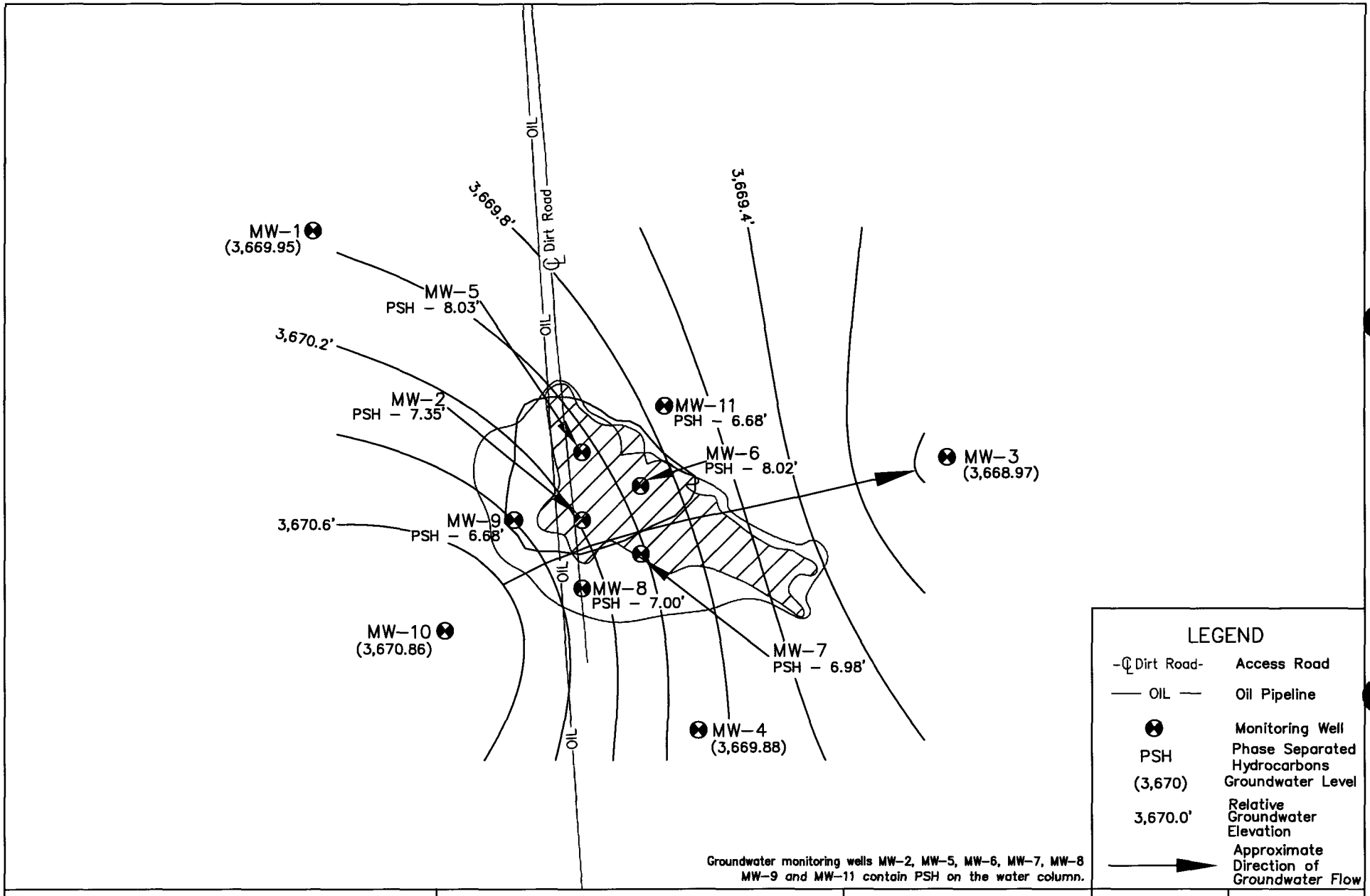

Figure 25
Groundwater Contour Map – 11/14/05
Plains Pipeline, L. P.
Kimbrough Sweet #2000–10757

Lea County, New Mexico
SW 1/4 of the NW 1/4, Sec. 3, T18S, R37E
N 32° 46' 48.0" W 103° 14' 18.0"
Elevation 3,727–feet amsl

DWG By: Iain Olness
June 2004

REVISED:
February 2006

0 100 200
Feet

SHEET
1 of 1

N

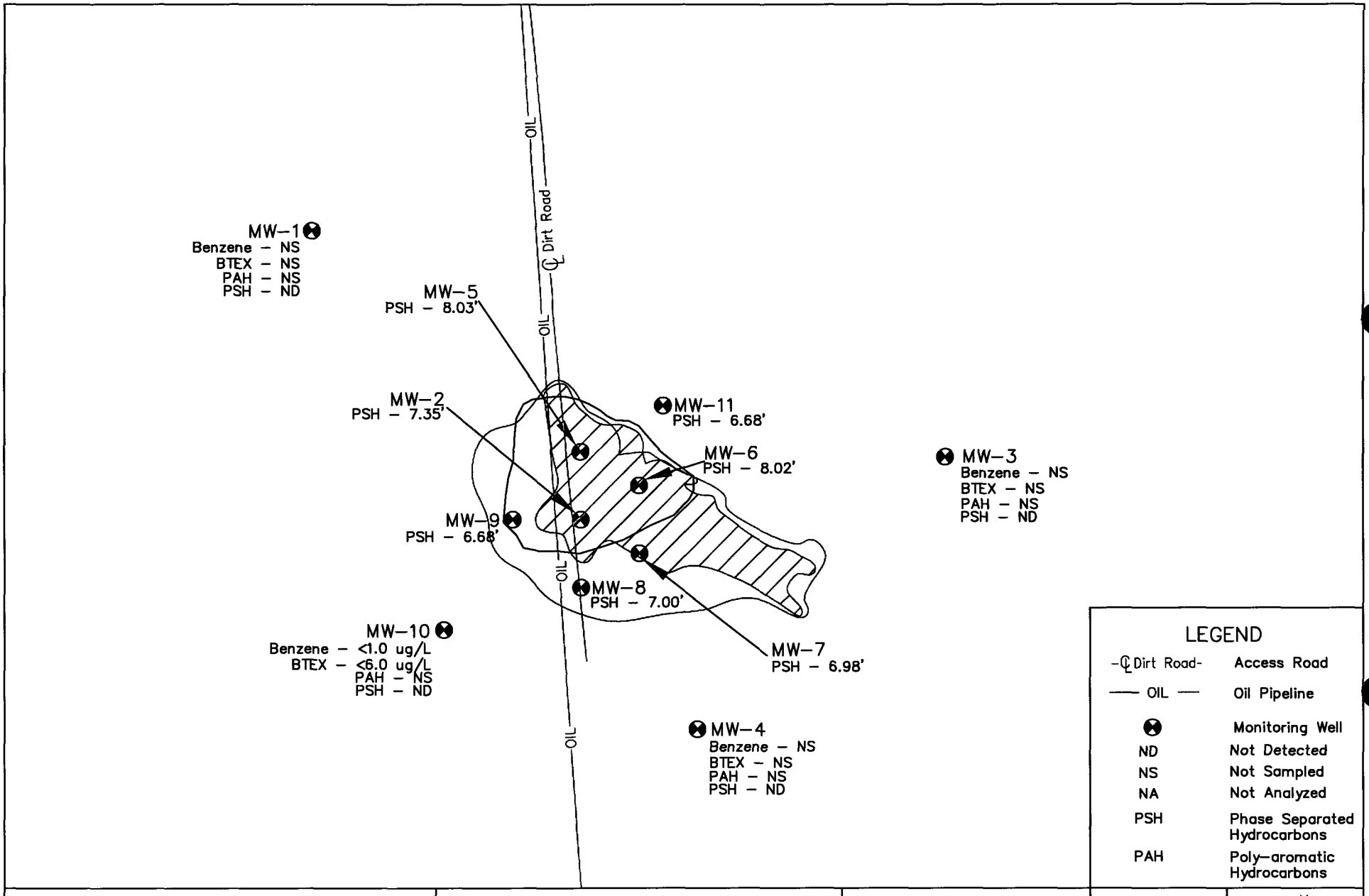

Figure 26
Contaminant Concentration Map – 11/14/05
Plains Pipeline, L. P.
Kimbrough Sweet #2000-10757

Lea County, New Mexico
SW 1/4 of the NW 1/4, Sec. 3, T18S, R37E
N 32° 46' 48.0" W 103° 14' 18.0"
Elevation 3,727-feet amsl

DWG By: Iain Olness
June 2004

REVISED:
February 2006

0 100 200
Feet

SHEET
1 of 1

N

TABLES

Table 1
Plains Pipeline, L.P.
Kimbrough Sweet - Ref #2000-10757
Relative Groundwater Elevations and Phase Separated Hydrocarbons Thicknesses

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	8-Jan-02	Well Installed 8 January 2002				
	9-Jan-02	3,722.90	49.20	53.60	3,669.30	4.40
	24-Jan-02					
	4-Oct-02		49.21	56.33	3,666.57	7.12
	11-Nov-02		49.25	56.30	3,666.60	7.05
	11-Dec-02		49.25	56.34	3,666.56	7.09
	20-Feb-03		49.57	56.30	3,666.60	6.73
	26-Mar-03		49.66	58.09	3,664.81	8.43
	8-Apr-03		49.68	58.11	3,664.79	8.43
	23-Apr-03		50.00	56.90	3,666.00	6.90
	24-Apr-03		49.75	58.10	3,664.80	8.35
	25-Apr-03		49.78	57.95	3,664.95	8.17
	3-May-03		49.77	58.10	3,664.80	8.33
	6-May-03		49.75	58.08	3,664.82	8.33
	9-Jun-03		49.83	58.13	3,664.77	8.30
	30-Jun-03		49.95	58.04	3,664.86	8.09
	11-Feb-04					
	12-Apr-04		50.58	58.91	3,663.99	8.33
	4-Jun-04		50.85	57.62	3,665.28	6.77
	21-Jun-04		50.74	59.01	3,663.89	8.27
	28-Jul-04					
	30-Jul-04					
	16-Aug-04					
	21-Oct-04		50.59	58.20	3,664.70	7.61
	7-Dec-04					
	8-Dec-04					
	15-Dec-04					
	22-Mar-05		51.02	55.90	3,667.00	4.88
	31-Mar-05		51.02	55.90	3,667.00	4.88
	22-Apr-05		50.98	56.50	3,666.40	5.52
	12-May-05					
	25-May-05		51.23	55.61	3,667.29	4.38
	28-Jun-05					
	25-Jul-05		51.11	57.74	3,665.16	6.63
	22-Aug-05					
	14-Nov-05					
	30-Nov-05		51.50	58.85	3,664.05	7.35

Table 1
Plains Pipeline, L.P.
Kimbrough Sweet - Ref #2000-10757
Relative Groundwater Elevations and Phase Separated Hydrocarbons Thicknesses

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	8-Jan-02					
	9-Jan-02					
	24-Jan-02	Well Installed 24 January 2002				
	4-Oct-02	3,723.13	--	51.26	3,671.87	--
	11-Nov-02					
	11-Dec-02		--	51.43	3,671.70	--
	20-Feb-03		--	51.62	3,671.51	--
	26-Mar-03					
	8-Apr-03					
	23-Apr-03					
	24-Apr-03					
	25-Apr-03					
	3-May-03					
	6-May-03					
	9-Jun-03					
	30-Jun-03					
	11-Feb-04		--	52.45	3,670.68	--
	12-Apr-04					
	4-Jun-04					
	21-Jun-04					
	28-Jul-04					
	30-Jul-04					
	16-Aug-04		--	53.15	3,669.98	--
	21-Oct-04					
	7-Dec-04					
	8-Dec-04					
	15-Dec-04					
	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	--

Table 1
Plains Pipeline, L.P.
Kimbrough Sweet - Ref #2000-10757
Relative Groundwater Elevations and Phase Separated Hydrocarbons Thicknesses

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	8-Jan-02					
	9-Jan-02					
	24-Jan-02	Well Installed 24 January 2002				
	4-Oct-02	3,720.60	--	49.77	3,670.83	--
	11-Nov-02					
	11-Dec-02		--	49.93	3,670.67	--
	20-Feb-03		--	50.13	3,670.47	--
	26-Mar-03					
	8-Apr-03					
	23-Apr-03					
	24-Apr-03					
	25-Apr-03					
	3-May-03					
	6-May-03					
	9-Jun-03					
	30-Jun-03					
	11-Feb-04		--	50.98	3,669.62	--
	12-Apr-04					
	4-Jun-04					
	21-Jun-04					
	28-Jul-04					
	30-Jul-04					
	16-Aug-04		--	51.64	3,668.96	--
	21-Oct-04					
	7-Dec-04					
	8-Dec-04					
	15-Dec-04					
	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	--
	14-Nov-05		--	51.63	3,668.97	--
	30-Nov-05		--	51.92	3,668.68	--

Table 1
Plains Pipeline, L.P.
Kimbrough Sweet - Ref #2000-10757
Relative Groundwater Elevations and Phase Separated Hydrocarbons Thicknesses

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-4	8-Jan-02					
	9-Jan-02					
	24-Jan-02	Well Installed 24 January 2002				
	4-Oct-02	3,721.03	--	49.35	3,671.68	--
	11-Nov-02					
	11-Dec-02		--	49.50	3,671.53	--
	20-Feb-03		--	49.69	3,671.34	--
	26-Mar-03					
	8-Apr-03					
	23-Apr-03					
	24-Apr-03					
	25-Apr-03					
	3-May-03					
	6-May-03					
	9-Jun-03					
	30-Jun-03					
	11-Feb-04		--	50.51	3,670.52	--
	12-Apr-04					
	4-Jun-04					
	21-Jun-04					
	28-Jul-04					
	30-Jul-04					
	16-Aug-04		--	50.91	3,670.12	--
	21-Oct-04					
	7-Dec-04					
	8-Dec-04					
	15-Dec-04					
	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	--

Table 1
Plains Pipeline, L.P.
Kimbrough Sweet - Ref #2000-10757
Relative Groundwater Elevations and Phase Separated Hydrocarbons Thicknesses

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	8-Jan-02					
	9-Jan-02					
	24-Jan-02					
	4-Oct-02					
	11-Nov-02					
	11-Dec-02					
	20-Feb-03					
	26-Mar-03					
	8-Apr-03					
	23-Apr-03					
	24-Apr-03					
	25-Apr-03					
	3-May-03					
	6-May-03					
	9-Jun-03					
	30-Jun-03					
	11-Feb-04					
	12-Apr-04					
	4-Jun-04					
	21-Jun-04					
	28-Jul-04	Well Installed 28 July 2004				
	30-Jul-04					
	16-Aug-04	3,723.58	51.65	59.86	3,663.72	8.21
	7-Dec-04					
	8-Dec-04					
	15-Dec-04					
	22-Mar-05		51.46	59.00	3,664.58	7.54
	31-Mar-05		51.46	59.00	3,664.58	7.54
	22-Apr-05		52.62	55.95	3,667.63	3.33
	12-May-05					
	25-May-05		52.18	56.23	3,667.35	4.05
	28-Jun-05					
	25-Jul-05		52.06	57.97	3,665.61	5.91
	22-Aug-05					
	14-Nov-05					
	30-Nov-05		52.17	60.20	3,663.38	8.03

Table 1
Plains Pipeline, L.P.
Kimbrough Sweet - Ref #2000-10757
Relative Groundwater Elevations and Phase Separated Hydrocarbons Thicknesses

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-6	8-Jan-02					
	9-Jan-02					
	24-Jan-02					
	4-Oct-02					
	11-Nov-02					
	11-Dec-02					
	20-Feb-03					
	26-Mar-03					
	8-Apr-03					
	23-Apr-03					
	24-Apr-03					
	25-Apr-03					
	3-May-03					
	6-May-03					
	9-Jun-03					
	30-Jun-03					
	11-Feb-04					
	12-Apr-04					
	4-Jun-04					
	21-Jun-04					
	28-Jul-04					
	30-Jul-04					
	16-Aug-04					
	21-Oct-04					
	7-Dec-04					
	8-Dec-04	Well installed 8 December 2004				
	15-Dec-04	3,721.68	49.49	56.62	3,671.12	7.13
	22-Mar-05		49.55	56.86	3,671.03	7.31
	31-Mar-05		49.55	56.86	3,671.03	7.31
	22-Apr-05		50.82	51.66	3,670.73	0.84
	12-May-05					
	25-May-05		50.61	53.11	3,670.70	2.50
	28-Jun-05		49.83	57.69	3,670.67	7.86
	25-Jul-05		50.30	55.50	3,670.60	5.20
	22-Aug-05					
	14-Nov-05					
	30-Nov-05		50.33	58.35	3,670.15	8.02

Table 1
Plains Pipeline, L.P.
Kimbrough Sweet - Ref #2000-10757
Relative Groundwater Elevations and Phase Separated Hydrocarbons Thicknesses

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	8-Jan-02					
	9-Jan-02					
	24-Jan-02					
	4-Oct-02					
	11-Nov-02					
	11-Dec-02					
	20-Feb-03					
	26-Mar-03					
	8-Apr-03					
	23-Apr-03					
	24-Apr-03					
	25-Apr-03					
	3-May-03					
	6-May-03					
	9-Jun-03					
	30-Jun-03					
	11-Feb-04					
	12-Apr-04					
	4-Jun-04					
	21-Jun-04					
	28-Jul-04	Well Installed 28 July 2004				
	30-Jul-04					
	16-Aug-04	3,722.74	52.14	52.70	3,670.52	0.56
	21-Oct-04		51.00	55.23	3,671.11	4.23
	7-Dec-04					
	8-Dec-04					
	15-Dec-04					
	22-Mar-05		50.78	57.48	3,670.96	6.70
	31-Mar-05		50.78	57.48	3,670.96	6.70
	22-Apr-05		51.92	57.31	3,670.01	5.39
	12-May-05					
	25-May-05		51.78	53.44	3,670.71	1.66
	28-Jun-05		51.53	55.39	3,670.63	3.86
	25-Jul-05		52.07	53.35	3,670.48	1.28
	22-Aug-05					
	14-Nov-05					
	30-Nov-05		51.50	58.48	3,670.19	6.98

Table 1
Plains Pipeline, L.P.
Kimbrough Sweet - Ref #2000-10757
Relative Groundwater Elevations and Phase Separated Hydrocarbons Thicknesses

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-8	8-Jan-02					
	9-Jan-02					
	24-Jan-02					
	4-Oct-02					
	11-Nov-02					
	11-Dec-02					
	20-Feb-03					
	26-Mar-03					
	8-Apr-03					
	23-Apr-03					
	24-Apr-03					
	25-Apr-03					
	3-May-03					
	6-May-03					
	9-Jun-03					
	30-Jun-03					
	11-Feb-04					
	12-Apr-04					
	4-Jun-04					
	21-Jun-04					
	28-Jul-04					
	30-Jul-04	Well Installed 30 July 2004				
	16-Aug-04	3,722.85	53.96	54.41	3,668.82	0.45
	21-Oct-04		51.15	54.38	3,671.22	3.23
	7-Dec-04					
	8-Dec-04					
	15-Dec-04					
	22-Mar-05		50.78	57.15	3,671.11	6.37
	31-Mar-05		50.78	57.15	3,671.11	6.37
	22-Apr-05		51.90	57.08	3,670.17	5.18
	12-May-05					
	25-May-05		51.99	52.15	3,670.84	0.16
	28-Jun-05		50.04	57.31	3,671.72	7.27
	25-Jul-05		51.82	54.14	3,670.68	2.32
	22-Aug-05					
	14-Nov-05					
	30-Nov-05		51.47	58.47	3,670.33	7.00

Table 1
Plains Pipeline, L.P.
Kimbrough Sweet - Ref #2000-10757
Relative Groundwater Elevations and Phase Separated Hydrocarbons Thicknesses

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	8-Jan-02					
	9-Jan-02					
	24-Jan-02					
	4-Oct-02					
	11-Nov-02					
	11-Dec-02					
	20-Feb-03					
	26-Mar-03					
	8-Apr-03					
	23-Apr-03					
	24-Apr-03					
	25-Apr-03					
	3-May-03					
	6-May-03					
	9-Jun-03					
	30-Jun-03					
	11-Feb-04					
	12-Apr-04					
	4-Jun-04					
	21-Jun-04					
	28-Jul-04					
	30-Jul-04	Well Installed 30 July 2004				
	16-Aug-04	3,722.80	53.92	54.65	3,668.77	0.73
	21-Oct-04		50.95	53.99	3,671.39	3.04
	7-Dec-04					
	8-Dec-04					
	15-Dec-04					
	22-Mar-05		51.04	54.53	3,671.24	3.49
	31-Mar-05		51.04	54.53	3,671.24	3.49
	22-Apr-05		51.71	51.77	3,671.08	0.06
	25-May-05		51.70	52.22	3,671.02	0.52
	28-Jun-05		50.95	55.84	3,671.12	4.89
	25-Jul-05		51.74	52.89	3,670.89	1.15
	22-Aug-05					
	14-Nov-05					
	30-Nov-05		51.24	57.92	3,670.56	6.68

Table 1
Plains Pipeline, L.P.
Kimbrough Sweet - Ref #2000-10757
Relative Groundwater Elevations and Phase Separated Hydrocarbons Thicknesses

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	8-Jan-02					
	9-Jan-02					
	24-Jan-02					
	4-Oct-02					
	11-Nov-02					
	11-Dec-02					
	20-Feb-03					
	26-Mar-03					
	8-Apr-03					
	23-Apr-03					
	24-Apr-03					
	25-Apr-03					
	3-May-03					
	6-May-03					
	9-Jun-03					
	30-Jun-03					
	11-Feb-04					
	12-Apr-04					
	4-Jun-04					
	21-Jun-04					
	28-Jul-04					
	30-Jul-04					
	16-Aug-04					
	21-Oct-04					
	7-Dec-04	Well installed 7 December 2004				
	8-Dec-04					
	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
Plains Pipeline, L.P.
Kimbrough Sweet - Ref #2000-10757
Relative Groundwater Elevations and Phase Separated Hydrocarbons Thicknesses

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-11	8-Jan-02					
	9-Jan-02					
	24-Jan-02					
	4-Oct-02					
	11-Nov-02					
	11-Dec-02					
	20-Feb-03					
	26-Mar-03					
	8-Apr-03					
	23-Apr-03					
	24-Apr-03					
	25-Apr-03					
	3-May-03					
	6-May-03					
	9-Jun-03					
	30-Jun-03					
	11-Feb-04					
	12-Apr-04					
	4-Jun-04					
	21-Jun-04					
	28-Jul-04					
	30-Jul-04					
	16-Aug-04					
	21-Oct-04					
	7-Dec-04	Well installed 7 December 2004				
	8-Dec-04					
	15-Dec-04	3,722.03	50.49	55.54	3,670.78	5.05
	22-Mar-05		50.33	56.71	3,670.74	6.38
	31-Mar-05		50.33	56.71	3,670.74	6.38
	22-Apr-05		50.34	56.95	3,670.70	6.61
	12-May-05					
	25-May-05		51.34	53.06	3,670.43	1.72
	28-Jun-05		50.67	57.07	3,670.40	6.40
	25-Jul-05		51.06	55.54	3,670.30	4.48
	22-Aug-05					
	14-Nov-05					
	30-Nov-05		51.11	57.79	3,669.92	6.68

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

- - = Not Detected

If the cell is blank, the well was not gauged.

btoc - below top of casing

amsl - above mean sea level

Table 2
Plains Pipeline, L.P.
Kimbrough Sweet - Ref #2000-10757
Summary of Groundwater Analytical Results

Monitor Well#	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylenes (µg/L)	o-Xylene (µg/L)	Total Xylenes (µg/L)	Chloride (mg/L)	TDS[1] (mg/L)
MW-1	24-Jan-02	Well installed 24 January 2002							
	24-Jan-02	<1	<1	<1	<1	<1	<2	31	6,130
	1-Mar-02	<1	<1	<1	<1	<1	<2		
	4-Oct-02	<1	<1	<1	<1	<1	<2		
	11-Dec-02	<1	<1	<1	<1	<1	<2		
	20-Feb-03	<1	<1	<1	<1	<1	<2		
	11-Feb-04	<1	<1	<1	<2	<1	<3		
	16-Aug-04	<1	<1	<1	<2	<1	<3		
	15-Dec-04	Not sampled - perimeter well sampled semi-annually							
	31-Mar-05	<1	<1	<1	<2	<1	<3		
	12-May-05	<1	<1	<1	<2	<1	<3		
	22-Aug-05	<1	<1	<1	<2	<1	<3		
	14-Nov-05	Not sampled - perimeter well sampled semi-annually							
MW-2	9-Jan-02	Well installed 9 January 2002							
	24-Jan-02	Not sampled due to the presence of phase separated hydrocarbons							
	1-Mar-02	Not sampled due to the presence of phase separated hydrocarbons							
	4-Oct-02	Not sampled due to the presence of phase separated hydrocarbons							
	11-Dec-02	Not sampled due to the presence of phase separated hydrocarbons							
	20-Feb-03	Not sampled due to the presence of phase separated hydrocarbons							
	11-Feb-04	Not sampled due to the presence of phase separated hydrocarbons							
	16-Aug-04	Not sampled due to the presence of phase seperated hydrocarbons							
	15-Dec-04	Not sampled due to the presence of phase seperated hydrocarbons							
	31-Mar-05	Not sampled due to the presence of phase seperated hydrocarbons							
	12-May-05	Not sampled due to the presence of phase seperated hydrocarbons							
	22-Aug-05	Not sampled due to the presence of phase seperated hydrocarbons							
	14-Nov-05	Not sampled due to the presence of phase seperated hydrocarbons							
MW-3	24-Jan-02	Well installed 24 January 2002							
	24-Jan-02	<1	<1	<1	<1	<1	<2	14.2	316
	1-Mar-02	<1	<1	<1	<1	<1	<2		
	4-Oct-02	<1	<1	<1	<1	<1	<2		
	11-Dec-02	<1	<1	<1	<1	<1	<2		
	20-Feb-03	<1	<1	<1	<1	<1	<2		
	11-Feb-04	<1	<1	<1	<2	<1	<3		
	16-Aug-04	<1	<1	<1	<2	<1	<3		
	15-Dec-04	Not sampled - perimeter well sampled semi-annually							
	31-Mar-05	<1	<1	<1	<2	<1	<3		
	12-May-05	<1	<1	<1	<2	<1	<3		
	22-Aug-05	<1	<1	<1	<2	<1	<3		
	14-Nov-05	Not sampled - perimeter well sampled semi-annually							
MW-4	24-Jan-02	Well installed 24 January 2002							
	24-Jan-02	<1	<1	<1	<1	<1	<2		
	1-Mar-02	<1	<1	<1	<1	<1	<2		
	4-Oct-02	<1	<1	<1	<1	<1	<2		
	11-Dec-02	<1	<1	<1	<1	<1	<2		
	20-Feb-03	<1	<1	<1	<1	<1	<2		
	11-Feb-04	<1	<1	<1	<2	<1	<3		
	16-Aug-04	<1	1.25	<1	<2	<1	<3		
	15-Dec-04	Not sampled - perimeter well sampled semi-annually							
	31-Mar-05	<1	<1	<1	<2	<1	<3		
	12-May-05	<1	<1	<1	<2	<1	<3		
	22-Aug-05	<1	<1	<1	<2	<1	<3		
	14-Nov-05	Not sampled - perimeter well sampled semi-annually							

Table 2
Plains Pipeline, L.P.
Kimbrough Sweet - Ref #2000-10757
Summary of Groundwater Analytical Results

Monitor Well#	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylenes (µg/L)	o-Xylene (µg/L)	Total Xylenes (µg/L)	Chloride (mg/L)	TDS[1] (mg/L)
MW-5	28-Jul-04		Well installed 28 July 2004						
	16-Aug-04		Not sampled due to the presence of phase seperated hydrocarbons						
	15-Dec-04		Not sampled due to the presence of phase seperated hydrocarbons						
	31-Mar-05		Not sampled due to the presence of phase seperated hydrocarbons						
	12-May-05		Not sampled due to the presence of phase seperated hydrocarbons						
	22-Aug-05		Not sampled due to the presence of phase seperated hydrocarbons						
	14-Nov-05		Not sampled due to the presence of phase seperated hydrocarbons						
MW-6	8-Dec-04		Well installed 8 December 2004						
	15-Dec-04		Not sampled due to the presence of phase seperated hydrocarbons						
	31-Mar-05		Not sampled due to the presence of phase seperated hydrocarbons						
	12-May-05		Not sampled due to the presence of phase seperated hydrocarbons						
	22-Aug-05		Not sampled due to the presence of phase seperated hydrocarbons						
	14-Nov-05		Not sampled due to the presence of phase seperated hydrocarbons						
MW-7	28-Jul-04		Well installed 28 July 2004						
	16-Aug-04		Not sampled due to the presence of phase seperated hydrocarbons						
	15-Dec-04		Not sampled due to the presence of phase seperated hydrocarbons						
	31-Mar-05		Not sampled due to the presence of phase seperated hydrocarbons						
	12-May-05		Not sampled due to the presence of phase seperated hydrocarbons						
	22-Aug-05		Not sampled due to the presence of phase seperated hydrocarbons						
	14-Nov-05		Not sampled due to the presence of phase seperated hydrocarbons						
MW-8	30-Jul-04		Well installed 30 July 2004						
	16-Aug-04		Not sampled due to the presence of phase seperated hydrocarbons						
	15-Dec-04		Not sampled due to the presence of phase seperated hydrocarbons						
	31-Mar-05		Not sampled due to the presence of phase seperated hydrocarbons						
	12-May-05		Not sampled due to the presence of phase seperated hydrocarbons						
	22-Aug-05		Not sampled due to the presence of phase seperated hydrocarbons						
	14-Nov-05		Not sampled due to the presence of phase seperated hydrocarbons						
MW-9	30-Jul-04		Well installed 30 July 2004						
	16-Aug-04		Not sampled due to the presence of phase seperated hydrocarbons						
	15-Dec-04		Not sampled due to the presence of phase seperated hydrocarbons						
	31-Mar-05		Not sampled due to the presence of phase seperated hydrocarbons						
	12-May-05		Not sampled due to the presence of phase seperated hydrocarbons						
	22-Aug-05		Not sampled due to the presence of phase seperated hydrocarbons						
	14-Nov-05		Not sampled due to the presence of phase seperated hydrocarbons						
MW-10	7-Dec-04		Well installed 7 December 2004						
	15-Dec-04	4.36	9.01	1.93	3.67	1.58	5.25		
	31-Mar-05	<1	<1	<1	<2	<1	<3		
	12-May-05	<1	<1	<1	<2	<1	<3		
	22-Aug-05	<1	<1	<1	<2	<1	<3		
	14-Nov-05	<1	<1	<1	<2	<1	<3		
MW-11	7-Dec-04		Well installed 7 December 2004						
	15-Dec-04		Not sampled due to the presence of phase seperated hydrocarbons						
	31-Mar-05		Not sampled due to the presence of phase seperated hydrocarbons						
	12-May-05		Not sampled due to the presence of phase seperated hydrocarbons						
	22-Aug-05		Not sampled due to the presence of phase seperated hydrocarbons						
	14-Nov-05		Not sampled due to the presence of phase seperated hydrocarbons						
	NMWQCC Standards	10	750	750			620	250	1,000

Bolded *values highlighted in red are in excess of the NMWQCC groundwater standards per NMAC 20.6.2.3103.*

Blank cell indicates the analysis was not performed.

NMWQCC - New Mexico Water Quality Control Commission

Table 3
Plains Marketing, L.P.
Kimbrough Sweet - Ref. #2000-10757
Concentrations of PAH (Semi-Volatile Organics) in Groundwater

MONITORING WELL#	SAMPLE DATE	Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[j,k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenanthrene	Pyrene
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	24-Jan-02	Well installed 24 January 2002															
	24-Jan-02	Not Analyzed															
	1-Mar-02	Not Analyzed															
	4-Oct-02	Not Analyzed															
	11-Dec-02	Not Analyzed															
	20-Feb-03	Not Analyzed															
	11-Feb-04	Not Analyzed															
	16-Aug-04	Not Analyzed															
	15-Dec-04	Not Analyzed															
	31-Mar-05	Not Analyzed															
	12-May-05	Not Analyzed															
	22-Aug-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	<0.05
	14-Nov-05	Not Analyzed															
MW-2	9-Jan-02	Well installed 9 January 2002															
	24-Jan-02	Not sampled due to the presence of phase separated hydrocarbons															
	1-Mar-02	Not sampled due to the presence of phase separated hydrocarbons															
	4-Oct-02	Not sampled due to the presence of phase separated hydrocarbons															
	11-Dec-02	Not sampled due to the presence of phase separated hydrocarbons															
	20-Feb-03	Not sampled due to the presence of phase separated hydrocarbons															
	11-Feb-04	Not sampled due to the presence of phase separated hydrocarbons															
	16-Aug-04	Not sampled due to the presence of phase seperated hydrocarbons															
	15-Dec-04	Not sampled due to the presence of phase seperated hydrocarbons															
	31-Mar-05	Not sampled due to the presence of phase seperated hydrocarbons															
	12-May-05	Not sampled due to the presence of phase seperated hydrocarbons															
	22-Aug-05	Not sampled due to the presence of phase seperated hydrocarbons															
	14-Nov-05	Not sampled due to the presence of phase seperated hydrocarbons															
MW-3	24-Jan-02	Well installed 24 January 2002															
	24-Jan-02	Not Analyzed															
	1-Mar-02	Not Analyzed															
	4-Oct-02	Not Analyzed															
	11-Dec-02	Not Analyzed															
	20-Feb-03	Not Analyzed															
	11-Feb-04	Not Analyzed															
	16-Aug-04	Not Analyzed															
	15-Dec-04	Not Analyzed															
	31-Mar-05	Not Analyzed															
	12-May-05	Not Analyzed															
	22-Aug-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	<0.05
	14-Nov-05	Not Analyzed															

Table 3
Plains Marketing, L.P.
Kimbrough Sweet - Ref. #2000-10757
Concentrations of PAH (Semi-Volatile Organics) in Groundwater

MONITORING WELL#	SAMPLE DATE	Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[j,k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indenol[1,2,3-cd]pyrene	Naphthalene	Phenanthrene	Pyrene
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	24-Jan-02	Well installed 24 January 2002															
	24-Jan-02	Not Analyzed															
	1-Mar-02	Not Analyzed															
	4-Oct-02	Not Analyzed															
	11-Dec-02	Not Analyzed															
	20-Feb-03	Not Analyzed															
	11-Feb-04	Not Analyzed															
	16-Aug-04	Not Analyzed															
	15-Dec-04	Not Analyzed															
	31-Mar-05	Not Analyzed															
	12-May-05	Not Analyzed															
	22-Aug-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	<0.05
	14-Nov-05	Not Analyzed															
MW-5	28-Jul-04	Well installed 28 July 2004															
	16-Aug-04	Not sampled due to the presence of phase seperated hydrocarbons															
	15-Dec-04	Not sampled due to the presence of phase seperated hydrocarbons															
	31-Mar-05	Not sampled due to the presence of phase seperated hydrocarbons															
	12-May-05	Not sampled due to the presence of phase seperated hydrocarbons															
	22-Aug-05	Not sampled due to the presence of phase seperated hydrocarbons															
	14-Nov-05	Not sampled due to the presence of phase seperated hydrocarbons															
MW-6	8-Dec-04	Well installed 8 December 2004															
	15-Dec-04	Not sampled due to the presence of phase seperated hydrocarbons															
	31-Mar-05	Not sampled due to the presence of phase seperated hydrocarbons															
	12-May-05	Not sampled due to the presence of phase seperated hydrocarbons															
	22-Aug-05	Not sampled due to the presence of phase seperated hydrocarbons															
	14-Nov-05	Not sampled due to the presence of phase seperated hydrocarbons															
MW-7	28-Jul-04	Well installed 28 July 2004															
	16-Aug-04	Not sampled due to the presence of phase seperated hydrocarbons															
	15-Dec-04	Not sampled due to the presence of phase seperated hydrocarbons															
	31-Mar-05	Not sampled due to the presence of phase seperated hydrocarbons															
	12-May-05	Not sampled due to the presence of phase seperated hydrocarbons															
	22-Aug-05	Not sampled due to the presence of phase seperated hydrocarbons															
	14-Nov-05	Not sampled due to the presence of phase seperated hydrocarbons															
MW-8	30-Jul-04	Well installed 30 July 2004															
	16-Aug-04	Not sampled due to the presence of phase seperated hydrocarbons															
	15-Dec-04	Not sampled due to the presence of phase seperated hydrocarbons															
	31-Mar-05	Not sampled due to the presence of phase seperated hydrocarbons															
	12-May-05	Not sampled due to the presence of phase seperated hydrocarbons															
	22-Aug-05	Not sampled due to the presence of phase seperated hydrocarbons															
	14-Nov-05	Not sampled due to the presence of phase seperated hydrocarbons															

Table 3
Plains Marketing, L.P.
Kimbrough Sweet - Ref. #2000-10757
Concentrations of PAH (Semi-Volatile Organics) in Groundwater

MONITORING WELL#	SAMPLE DATE	Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[j,k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenanthrene	Pyrene
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	30-Jul-04	Well installed 30 July 2004															
	16-Aug-04	Not sampled due to the presence of phase seperated hydrocarbons															
	15-Dec-04	Not sampled due to the presence of phase seperated hydrocarbons															
	31-Mar-05	Not sampled due to the presence of phase seperated hydrocarbons															
	12-May-05	Not sampled due to the presence of phase seperated hydrocarbons															
	22-Aug-05	Not sampled due to the presence of phase seperated hydrocarbons															
	14-Nov-05	Not sampled due to the presence of phase seperated hydrocarbons															
MW-10	7-Dec-04	Well installed 7 December 2004															
	15-Dec-04	Not Analyzed															
	31-Mar-05	Not Analyzed															
	12-May-05	Not Analyzed															
	22-Aug-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	<0.05
	14-Nov-05	Not Analyzed															
MW-11	7-Dec-04	Well installed 7 December 2004															
	15-Dec-04	Not sampled due to the presence of phase seperated hydrocarbons															
	31-Mar-05	Not sampled due to the presence of phase seperated hydrocarbons															
	12-May-05	Not sampled due to the presence of phase seperated hydrocarbons															
	22-Aug-05	Not sampled due to the presence of phase seperated hydrocarbons															
	14-Nov-05	Not sampled due to the presence of phase seperated hydrocarbons															
NMWQCC Limits						0.70									30.0		

µg/L - micrograms per liter

PAH - Polynuclear Aromatic Hydrocarbons

NMWQCC - New Mexico Water Quality Control Commission

Table 4
Plains Pipeline, L.P.
Kimbrough Sweet - Ref #2000-10757
Biocell Soil Analytical Results

Biocell Quadrant	Sampling Interval (FT. BGS[1])	SAMPLE ID#	Date	VOC[5]	GRO[2]	DRO[3]	TPH[4]	BTEX	Benzene	Toluene	Ethylbenzene	Xylene (m,p)	Xylene (o)
				ppm	mg/Kg	mg/Kg	mg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Center	2	SEKS22502BH5-2'	2/25/2002	141	730	5,800	6,530	1,046	<20	<20	<20	192	854
		SEKS42502BH5-2'	4/26/2002	160	86.8	317	404	<20	<20	<20	<20	<20	<20
		SEKS71502BH5-2'	7/15/2002	319	515	4,050	4,565	<20	<20	<20	<20	<20	<20
	5	SEKS22502BH5-5'	2/25/2002	109	974	4,970	5,944	2,464	<20	<20	<20	194	2,270
		SEKS42502BH5-5'	4/26/2002	133	<5	53.9	53.9	<20	<20	<20	<20	<20	<20
		SEKS71502BH5-5'	7/15/2002	473	1,630	8,080	9,710	166	<20	<20	<20	<20	166
	10	SEKS22502BH5-10'	2/25/2002	170	1,830	4,740	6,570	10,193	<20	93	<20	3,580	6,520
		SEKS42502BH5-10'	4/26/2002	30.0	<5	<5	<5	<20	<20	<20	<20	<20	<20
		SEKS71502BH5-10'	7/15/2002	363	1,570	6,500	8,070	859	<20	<20	<20	29.2	830
	15	SEKS22502BH5-15'	2/25/2002	3.0	<5	<5	<5	<20	<20	<20	<20	<20	<20
		SEKS42502BH5-15'	4/26/2002	80.9	<5	<5	<5	<20	<20	<20	<20	<20	<20
		SEKS71502BH5-15'	7/15/2002	285	1,440	8,870	10,310	491	<20	<20	<20	53.3	438
		MW-5(15')	7/28/2004	703	172	5,890	6,062	1,681	41.6	130	161	1,040	308
Northeast	2	SEKS22502BH1-2'	2/25/2002	355	1,330	5,330	6,660	517	<20	32	<20	56.5	428
		SEKS42502BH1-2'	4/25/2002	132	4,560	9,390	13,950	10,550	<20	<20	<20	1,100	9,450
		SEKS71502BH1-2'	7/15/2002	446	806	5,840	6,646	<20	<20	<20	<20	<20	<20
		SEKS32703BH1-2'	3/27/2003	10	324	2,590	2,914	<20	<20	<20	<20	<20	<20
	5	SEKS22502BH1-5'	2/25/2002	166	871	4,930	5,801	3,119	<20	183	196	1,430	1,310
		SEKS42502BH1-5'	4/25/2002	192	2,470	8,120	10,590	2,252	<20	<20	<20	162	2,090
		SEKS71502BH1-5'	7/15/2002	706	2,320	7,910	10,230	983	<20	<20	<20	<20	983
		SEKS32703BH1-5'	3/27/2003	200	724	2,160	2,884	44.7	<20	<20	<20	44.7	<20
	10	SEKS22502BH1-10'	2/25/2002	280	896	3,970	4,866	3,827	<20	152	225	1,750	1,700
		SEKS42502BH1-10'	4/25/2002	183	1,300	4,460	5,760	4,426	<20	<20	26	2,260	2,140
		SEKS71502BH1-10'	7/15/2002	658	2,290	7,660	9,950	508	<20	<20	<20	<20	508
		SEKS32703BH1-10'	3/27/2003	176	740	1,540	2,280	112	<20	<20	<20	<20	112
	15	SEKS22502BH1-15'	2/25/2002	220	1,110	6,070	7,180	1,713	<20	96	118	834	665
		SEKS42502BH1-15'	4/25/2002	400	180	754	934	115	<20	<20	<20	46.2	68.4
		SEKS71502BH1-15'	7/15/2002	271	1,400	7,410	8,810	878	<20	<20	<20	488	390
		SEKS32703BH1-15'	3/27/2003	164	1,130	3,070	4,200	3,891	<20	<20	139	3,000	752

Table 4
Plains Pipeline, L.P.
Kimbrough Sweet - Ref #2000-10757
Biocell Soil Analytical Results

Biocell Quadrant	Sampling Interval (FT. BGS[1])	SAMPLE ID#	Date	VOC[5]	GRO[2]	DRO[3]	TPH[4]	BTEX	Benzene	Toluene	Ethylbenzene	Xylene (m,p)	Xylene (o)
				ppm	mg/Kg	mg/Kg	mg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Northwest	2	SEKS22502BH2-2'	2/25/2002	14.2	14.9	101	116	<20	<20	<20	<20	<20	<20
		SEKS42502BH2-2'	4/25/2002	136	1,770	6,530	8,300	21.5	<20	<20	<20	<20	22
		SEKS71502BH2-2'	7/15/2002	347	805	4,970	5,775	<20	<20	<20	<20	<20	<20
		SEKS32703BH2-2'	3/27/2003	7.3	40.3	864	904	<20	<20	<20	<20	<20	<20
	5	SEKS22502BH2-5'	2/25/2002	114	341	1,290	1,631	<20	<20	<20	<20	<20	<20
		SEKS42502BH2-5'	4/25/2002	95.4	1,550	5,570	7,120	386	<20	<20	<20	161	225
		SEKS71502BH2-5'	7/15/2002	460	1,530	6,690	8,220	60	<20	<20	<20	<20	60
		SEKS32703BH2-5'	3/27/2003	198	552	1,810	2,362	50.5	<20	<20	<20	<20	50.5
	10	SEKS22502BH2-10'	2/25/2002	105	367	2,180	2,547	1,321	<20	65.5	<20	414	841
		SEKS42502BH2-10'	4/25/2002	3.7	2,770	6,660	9,430	15,487	<20	32.7	774	9,880	4,800
		SEKS71502BH2-10'	7/15/2002	248	1,140	6,760	7,900	23.0	<20	<20	<20	<20	23.0
		SEKS32703BH2-10'	3/27/2003	300	na	na	na	na	na	na	na	na	na
	15	SEKS22502BH2-15'	2/25/2002	8.7	14.2	120	134	<20	<20	<20	<20	<20	<20
		SEKS42502BH2-15'	4/25/2002	4.5	457	1,970	2,427	2,579	<20	25	96	1,630	828
		SEKS71502BH2-15'	7/15/2002	na	na	na	na	na	na	na	na	na	na
		SEKS32703BH2-15'	3/27/2003	128	na	na	na	na	na	na	na	na	na
Southeast	2	SEKS22502BH3-2'	2/25/2002	17.2	21.6	160	182	<20	<20	<20	<20	<20	<20
		SEKS42602BH3-2'	4/26/2002	209	1,620	5,930	7,550	<20	<20	<20	<20	<20	<20
		SEKS71502BH3-2'	7/15/2002	172	1,200	8,900	10,100	<20	<20	<20	<20	<20	<20
		SEKS32703BH3-2'	3/27/2003	4.6	185	1,290	1,475	<20	<20	<20	<20	<20	<20
	5	SEKS22502BH3-5'	2/25/2002	66.3	221	1,210	1,431	47.2	<20	<20	<20	<20	47.2
		SEKS42602BH3-5'	4/26/2002	156	2,060	5,800	7,860	42.2	<20	<20	<20	<20	42.2
		SEKS71502BH3-5'	7/15/2002	392	1,270	5,760	7,030	143	<20	<20	<20	<20	143
		SEKS32703BH3-5'	3/27/2003	154	457	1,210	1,667	<20	<20	<20	<20	<20	<20
		MW-6 (5')	7/30/2004	15.8	<5	17.0	17.0	67.7	40.8	26.9	<20	<40	<20
	10	SEKS22502BH3-10'	2/25/2002	61.9	248	1,360	1,608	358	<20	<20	<20	<20	358
		SEKS42602BH3-10'	4/26/2002	68.3	2,220	5,780	8,000	2,175	<20	<20	38	927	1,210
		SEKS71502BH3-10'	7/15/2002	379	1,040	5,270	6,310	755	<20	<20	<20	<20	755
		SEKS32703BH3-10'	3/27/2003	175	1,090	4,080	5,170	1,436	<20	<20	<20	426	1,010
	15	SEKS22502BH3-15'	2/25/2002	4.1	<5	<5	<5	<20	<20	<20	<20	<20	<20
		SEKS42502BH3-15'	4/26/2002	5.9	2,170	5,930	8,100	2,073	<20	<20	50.9	912	1,110
		SEKS71502BH3-15'	7/15/2002	178	1,590	7,950	9,540	614	<20	<20	<20	<20	614
		SEKS32703BH3-15'	3/27/2003	149	986	2,540	3,526	1,292	<20	<20	<20	375	917

Table 4
Plains Pipeline, L.P.
Kimbrough Sweet - Ref #2000-10757
Biocell Soil Analytical Results

Biocell Quadrant	Sampling Interval (FT. BGS[1])	SAMPLE ID#	Date	VOC[5]	GRO[2]	DRO[3]	TPH[4]	BTEX	Benzene	Toluene	Ethylbenzene	Xylene (m,p)	Xylene (o)
				ppm	mg/Kg	mg/Kg	mg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Southwest	2	SEKS22502BH4-2'	2/25/2002	17.5	54.5	228	283	<20	<20	<20	<20	<20	<20
		SEKS42502BH4-2'	4/26/2002	80.5	2,440	6,990	9,430	138	<20	<20	<20	<20	138
		SEKS71502BH4-2'	7/15/2002	418	896	4,380	5,276	<20	<20	<20	<20	<20	<20
		SEKS32703BH4-2'	3/27/2003	10.4	305	6,690	6,995	<20	<20	<20	<20	<20	<20
	5	SEKS22502BH4-5'	2/25/2002	24.8	324	834	1,158	26.1	<20	<20	<20	<20	26.1
		SEKS42502BH4-5'	4/26/2002	162	2,280	6,110	8,390	136	<20	<20	<20	<20	136
		SEKS71502BH4-5'	7/15/2002	550	1,250	5,000	6,250	241	<20	<20	<20	<20	241
		SEKS32703BH4-5'	3/27/2003	205	397	742	1,139	113	<20	29	<20	61.6	22.1
	10	SEKS22502BH4-10'	2/25/2002	55.7	210	942	1,152	2,041	<20	<20	<20	421	1,620
		SEKS42502BH4-10'	4/26/2002	240	410	1,540	1,950	198	<20	<20	<20	<20	198
		SEKS71502BH4-10'	7/15/2002	625	1,840	7,030	8,870	2,110	<20	<20	<20	1,040	1,070
		SEKS32703BH4-10'	3/27/2003	315	1,060	2,680	3,740	2,188	<20	39	22	1,320	808
	15	SEKS22502BH4-15'	2/25/2002	3.2	<5	<5	<5	<20	<20	<20	<20	<20	<20
		SEKS42502BH4-15'	4/26/2002	67.4	285	877	1,162	117	<20	<20	<20	<20	119
		SEKS71502BH4-15'	7/15/2002	400	1,740	7,440	9,180	1,575	<20	<20	<20	235	1,340
		SEKS32703BH4-15'	3/27/2003	147	1,480	3,930	5,410	2,809	<20	55	24	1,590	1,140
		2002-10757MW-9(15')	7/30/2004	17.1	<5	<2.5	<5	<40	<20	<20	<20	<40	<20
New Mexico Oil Conservation Division Site Remedial Goals				100			100	50	10				

[1]bgs – below ground surface

[2]GRO-Gasoline Range Organics C_6-C_{10}

[3]DRO-Diesel Range Organics C_{10}-C_{35}

[4]TPH-Total Petroleum Hydrocarbon = GRO+DRO.

[5]VOC - Volatile Organic Constituent Headspace Concentration

na - not analyzed

Table 5
Plains Pipeline, L.P.
Kimbrough Sweet - Ref #2000-10757
Phase Separated Hydrocarbons (PSH) Declination Table

Monitor Well#	Year	Average Phase Separated Hydrocarbon Thickness	Yearly Change	Cumulative Change
		feet	feet	feet
MW-1	PSH Not Detected			
MW-2	2002	7.09	NA	-1.48
	2003	7.91	+0.82	
	2004	7.75	-0.16	
	2005	5.61	-2.14	
MW-3	PSH Not Detected			
MW-4	PSH Not Detected			
MW-5	2002	NA	--	-1.79
	2003	NA	--	
	2004	7.86	NA	
	2005	6.07	-1.79	
MW-6	2002	NA	--	-1.55
	2003	NA	--	
	2004	7.13	NA	
	2005	5.58	-1.55	
MW-7	2002	NA	--	+0.42
	2003	NA	--	
	2004	4.23	NA	
	2005	4.65	+0.42	
MW-8	2002	NA	--	+1.72
	2003	NA	--	
	2004	3.23	NA	
	2005	4.95	+1.72	
MW-9	2002	NA	--	-0.14
	2003	NA	--	
	2004	3.04	NA	
	2005	2.90	-0.14	
MW-10	PSH Not Detected			
MW-11	2002	NA	--	+0.47
	2003	NA	--	
	2004	5.05	NA	
	2005	5.52	+0.47	

NA - not applicable

Table 6
Plains Pipeline, L.P.
Kimbrough Sweet - Ref #2000-10757
Recommendations for 2006

Monitoring Well	Eight Quarters Below NMWQCC Groundwater Standards	2006 Sampling Schedule				Notes
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	
MW-1	Yes	X	--	X	--	Recommend continuing semi-annual BTEX analysis and annual PAH analysis
MW-2	No	--	--	--	--	Continue PSH recovery
MW-3	Yes	X	--	X	--	Recommend continuing semi-annual BTEX analysis and annual PAH analysis
MW-4	Yes	X	--	X	--	Recommend continuing semi-annual BTEX analysis and annual PAH analysis
MW-5	No	--	--	--	--	Continue PSH recovery
MW-6	No	--	--	--	--	Continue PSH recovery
MW-7	No	--	--	--	--	Continue PSH recovery
MW-8	No	--	--	--	--	Continue PSH recovery
MW-9	No	--	--	--	--	Continue PSH recovery
MW-10	No	X	X	X	X	Recommend Annual PAH analysis
MW-11	No	--	--	--	--	Continue PSH recovery
Biocell	NA	--	--	X	--	Sample quadrants from the surface to 15-feet bgs at 5-foot vertical intervals and analyze for TPH and BTEX

NMWQCC - New Mexico Water Quality Control Commission
PAH - Polynuclear Aromatic Hydrocarbons
PSH - Phase Separated Hydrocarbons
NA - Not applicable

APPENDICES

Appendix I: Laboratory Analytical Reports

AnalySys Inc.

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
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 165664 **Report Date:** 04/14/05
Project ID: 2000-10757
Sample Name: WPPKS33105-MW1
Sample Matrix: water
Date Received: 04/06/2005 **Time:** 10:00
Date Sampled: 03/31/2005 **Time:** 13:30

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	---		---		04/12/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/12/05	8260b	---	0.4	93.3	103	94.8
Ethylbenzene	<1	µg/L	1	<1	04/12/05	8260b	---	0.3	99.2	107.5	96.8
m,p-Xylenes	<2	µg/L	2	<2	04/12/05	8260b	---	0.8	98.6	106.3	97.4
o-Xylene	<1	µg/L	1	<1	04/12/05	8260b	---	0.5	102.4	112	100.3
Toluene	<1	µg/L	1	<1	04/12/05	8260b	---	0.4	104.5	117.5	98.8

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.

Respectfully Submitted,

Dale Wagner

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.

ANALYSYS INC.

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#:** 165664
Attn: Iain Olness	**Sample Name:** WPPKS33105-MW1	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.7	74-124	---
Toluene-d8	8260b	103	89-115	---

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

ANALYSYS INC.

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(512) 385-5886 • FAX (512) 385-7411

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#: 165665 **Report Date:** 04/14/05
Project ID: 2000-10757
Sample Name: WPPKS33105-MW3
Sample Matrix: water
Date Received: 04/06/2005 **Time:** 10:00
Date Sampled: 03/31/2005 **Time:** 14:30

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	---		---		04/12/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/12/05	8260b	---	0.4	93.3	103	94.8
Ethylbenzene	<1	µg/L	1	<1	04/12/05	8260b	---	0.3	99.2	107.5	96.8
m,p-Xylenes	<2	µg/L	2	<2	04/12/05	8260b	---	0.8	98.6	106.3	97.4
o-Xylene	<1	µg/L	1	<1	04/12/05	8260b	---	0.5	102.4	112	100.3
Toluene	<1	µg/L	1	<1	04/12/05	8260b	---	0.4	104.5	117.5	98.8

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ANALYSYS INC.

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#:** 165665
Attn: Iain Olness	**Sample Name:** WPPKS33105-MW3	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.8	74-124	---
Toluene-d8	8260b	111	89-115	---

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

AnalySys INC.

3512 Montopolis Drive, Austin, TX 78744 &
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(512) 385-5886 • FAX (512) 385-7411

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#: 165666 **Report Date:** 04/14/05
Project ID: 2000-10757
Sample Name: WPPKS33105-MW4
Sample Matrix: water
Date Received: 04/06/2005 **Time:** 10:00
Date Sampled: 03/31/2005 **Time:** 14:00

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]
Volatile organics-8260b/BTEX	---		---		04/12/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/12/05	8260b	---	0.4	93.3	103	94.8
Ethylbenzene	<1	µg/L	1	<1	04/12/05	8260b	---	0.3	99.2	107.5	96.8
m,p-Xylenes	<2	µg/L	2	<2	04/12/05	8260b	---	0.8	98.6	106.3	97.4
o-Xylene	<1	µg/L	1	<1	04/12/05	8260b	---	0.5	102.4	112	100.3
Toluene	<1	µg/L	1	<1	04/12/05	8260b	---	0.4	104.5	117.5	98.8

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3512 Montopolis Drive, Austin, TX 78744 &
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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2000-10757	**Report#/Lab ID#:** 165666
Attn: Iain Olness	**Sample Name:** WPPKS33105-MW4	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90.8	74-124	---
Toluene-d8	8260b	111	89-115	---

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

ANALYSYS INC.

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(512) 385-5886 • FAX (512) 385-7411

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#: 165667 **Report Date:** 04/14/05
Project ID: 2000-10757
Sample Name: WPPKS33105-MW10
Sample Matrix: water
Date Received: 04/06/2005 **Time:** 10:00
Date Sampled: 03/31/2005 **Time:** 15:00

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]
Volatile organics-8260b/BTEX	---		---		04/12/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/12/05	8260b	---	0.4	93.3	103	94.8
Ethylbenzene	<1	µg/L	1	<1	04/12/05	8260b	---	0.3	99.2	107.5	96.8
m,p-Xylenes	<2	µg/L	2	<2	04/12/05	8260b	---	0.8	98.6	106.3	97.4
o-Xylene	<1	µg/L	1	<1	04/12/05	8260b	---	0.5	102.4	112	100.3
Toluene	<1	µg/L	1	<1	04/12/05	8260b	---	0.4	104.5	117.5	98.8

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Dale Wagner

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ANALYSYS INC.

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#:** 165667
Attn: Iain Olness	**Sample Name:** WPPKS33105-MW10	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.1	74-124	---
Toluene-d8	8260b	104	89-115	---

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

12168

AnalySys Inc.

Chain of Custody Form

4221 Freidrich Lane, Suite 190, Austin, TX 78744 *2209 N. Padre Island Dr., Corpus Christi, TX 78408*
512-444-5896 FAX: 512-447-4766

Company Name	Environmental Plus, Inc.
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 All American
Facility Name	Kimbrough Sweet
Project Reference	2000-10757
EPI Sampler Name	Cody Fisher

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

Attn: ENV Accounts Receivable
P.O. Box 4648
Houston, TX 77210-4648

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^=$)	pH	TCLP	OTHER >>	PAH
165664 1	WPPKS33105-MW1	G	4	X						X	X		3/31/05	1:30	X							
165665 2	WPPKS33105-MW3	G	4	X						X	X		3/31/05	2:30	X							
165666 3	WPPKS33105-MW4	G	4	X						X	X		3/31/05	2:00	X							
165667 4	WPPKS33105-MW10	G	4	X						X	X		3/31/05	3:00	X							
5																						
6																						
7																						
8																						
9																						
10																						

Sampler Relinquished: C Fisher — Date 4-5-05 Time 3:00 — Received By:

Relinquished by: — Date 4/6/05 Time 1000 — Received By: (lab staff) M Humphrey

Delivered by: — Sample Cool & Intact: Yes / No — Checked By:

E-mail results to: iolness@hotmail.com and cjreynolds@paalp.com

REMARKS:

T: 5.2 °C

ANALYSYS INC.

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
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 167318 **Report Date:** 05/24/05
Project ID: 2000-10757
Sample Name: MW-1
Sample Matrix: water
Date Received: 05/19/2005 **Time:** 07:30
Date Sampled: 05/12/2005 **Time:** 07:30

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	---		---		05/20/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/20/05	8260b	---	0.9	84.3	85.1	81.4
Ethylbenzene	<1	µg/L	1	<1	05/20/05	8260b	---	2.5	110.9	113.3	107.6
m,p-Xylenes	<2	µg/L	2	<2	05/20/05	8260b	---	3.5	112.5	113.4	106.3
o-Xylene	<1	µg/L	1	<1	05/20/05	8260b	---	2.2	110.5	110	103.6
Toluene	<1	µg/L	1	<1	05/20/05	8260b	---	0.8	94.4	90.6	90.8

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.

Respectfully Submitted,

Dale Wagner

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.

ANALYSYS INC.

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#:** 167318
Attn: Iain Olness	**Sample Name:** MW-1	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	74-124	---
Toluene-d8	8260b	108	89-115	---

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

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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#: 167319 **Report Date:** 05/24/05
Project ID: 2000-10757
Sample Name: MW-3
Sample Matrix: water
Date Received: 05/19/2005 **Time:** 07:30
Date Sampled: 05/12/2005 **Time:** 08:00

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]
Volatile organics-8260b/BTEX	---		---		05/20/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/20/05	8260b	---	0.9	84.3	85.1	81.4
Ethylbenzene	<1	µg/L	1	<1	05/20/05	8260b	---	2.5	110.9	113.3	107.6
m,p-Xylenes	<2	µg/L	2	<2	05/20/05	8260b	---	3.5	112.5	113.4	106.3
o-Xylene	<1	µg/L	1	<1	05/20/05	8260b	---	2.2	110.5	110	103.6
Toluene	<1	µg/L	1	<1	05/20/05	8260b	---	0.8	94.4	90.6	90.8

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2000-10757	**Report#/Lab ID#:** 167319
Attn: Iain Olness	**Sample Name:** MW-3	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	74-124	---
Toluene-d8	8260b	108	89-115	---

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

AnalySys Inc.

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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#: 167320 **Report Date:** 05/24/05
Project ID: 2000-10757
Sample Name: MW-4
Sample Matrix: water
Date Received: 05/19/2005 **Time:** 07:30
Date Sampled: 05/12/2005 **Time:** 08:50

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	---		---		05/20/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/20/05	8260b	---	0.9	84.3	85.1	81.4
Ethylbenzene	<1	µg/L	1	<1	05/20/05	8260b	---	2.5	110.9	113.3	107.6
m,p-Xylenes	<2	µg/L	2	<2	05/20/05	8260b	---	3.5	112.5	113.4	106.3
o-Xylene	<1	µg/L	1	<1	05/20/05	8260b	---	2.2	110.5	110	103.6
Toluene	<1	µg/L	1	<1	05/20/05	8260b	---	0.8	94.4	90.6	90.8

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Dale Wagner

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2000-10757	**Report#/Lab ID#:** 167320
Attn: Iain Olness	**Sample Name:** MW-4	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	74-124	---
Toluene-d8	8260b	108	89-115	---

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

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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#: 167321 **Report Date:** 05/24/05
Project ID: 2000-10757
Sample Name: MW-10
Sample Matrix: water
Date Received: 05/19/2005 **Time:** 07:30
Date Sampled: 05/12/2005 **Time:** 09:45

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	---		---		05/20/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	05/20/05	8260b	---	0.9	84.3	85.1	81.4
Ethylbenzene	<1	µg/L	1	<1	05/20/05	8260b	---	2.5	110.9	113.3	107.6
m,p-Xylenes	<2	µg/L	2	<2	05/20/05	8260b	---	3.5	112.5	113.4	106.3
o-Xylene	<1	µg/L	1	<1	05/20/05	8260b	---	2.2	110.5	110	103.6
Toluene	<1	µg/L	1	<1	05/20/05	8260b	---	0.8	94.4	90.6	90.8

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Respectfully Submitted,

Dale Wagner

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ANALYSYS INC.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2000-10757	**Report#/Lab ID#:** 167321
Attn: Iain Olness	**Sample Name:** MW-10	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	74-124	---
Toluene-d8	8260b	110	89-115	---

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

12507

AnalySys Inc.

4221 Freidrich Lane, Suite 190, Austin, TX 78744
512-444-5896 FAX: 512-447-4766

2209 N. Padre Island Dr., Corpus Christi, TX 78408

Chain of Custody Form

Company Name	Environmental Plus, Inc.
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 All American
Facility Name	Kimbrough Sweet
Project Reference	2000-10757
EPI Sampler Name	John Robinson

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

Attn: ENV Accounts Receivable
P.O. Box 4648
Houston, TX 77210-4648

ANALYSIS REQUEST

	LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH				
1	167318	MW-1	G	6	X						X	X		5/12/05	7:30	X							X				
2	167319	MW-3	G	6	X						X	X		5/12/05	8:00	X							X				
3	167320	MW-4	G	6	X						X	X		5/12/05	8:50	X							X				
4	167321	MW-10	G	6	X						X	X		5/12/05	9:45	X							X				
5																											
6																											
7																											
8																											
9																											
10																											

Sampler Relinquished: John Robinson	Date 3-19-05 Time 4:00	Received By: JBdell 4SI 0730 9/19/05	E-mail results to: iolness@hotmail.com and cjreynolds@paalp.com
Relinquished by:	Date / Time	Received By: (lab staff)	REMARKS:
Delivered by:	Sample Cool & Intact Yes / No	Checked By:	

T 3.8° C

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Attn: Iain Olness
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 170186 **Report Date:** 08/31/05
Project ID: 2000-10757
Sample Name: MW-1
Sample Matrix: water
Date Received: 08/25/2005 **Time:** 10:00
Date Sampled: 08/22/2005 **Time:** 12:00

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]
A/BN Extraction-PAH	---	---	---	---	08/26/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	08/29/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		08/30/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/30/05	8260b	---	0.4	96.3	94.1	96.7
Ethylbenzene	<1	µg/L	1	<1	08/30/05	8260b	J	0.2	104.4	108.2	103
m,p-Xylenes	<2	µg/L	2	<2	08/30/05	8260b	J	0.5	104.4	107.8	103.3
o-Xylene	<1	µg/L	1	<1	08/30/05	8260b	---	0.5	98.8	95.8	97.2
Toluene	<1	µg/L	1	<1	08/30/05	8260b	---	0.2	102.5	102.2	102.8
Acenaphthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	1.2	39.8	94.2	38.5
Acenaphthylene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	0.6	44.1	103.2	42.8
Anthracene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	5.8	47	92	44.2
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	19.1	55.8	93.5	57.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	25.7	57.4	92.8	58.1
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.3	60.6	96.3	63.2
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	13.5	58.1	104.1	60.4
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.1	56.4	87.8	57.6
Chrysene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.5	52.3	85.1	52.1
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	11.8	48.7	99.3	51.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	12.9	51.1	88	48.1
Fluorene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	3	34.2	81.5	32.8
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	15.4	55.7	101.3	58.3

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Client: Environmental Plus, Inc.
Attn: Iain Olness

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

Report#/Lab ID#: 170186
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	08/29/05	610 & 8270c	---	9.4	36.3	98.2	37.8
Phenanthrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	3.5	45.4	88.5	40.5
Pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	13.4	54.4	101.3	51.7

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Client: Environmental Plus, Inc.	**Project ID:** 2000-10757	**Report#/Lab ID#:** 170186
Attn: Iain Olness	**Sample Name:** MW-1	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Fluoronaphthalene	610 & 8270c	30.2	15-110	---
2-Fluorobiphenyl	610 & 8270c	42.2	30-110	---
1,2-Dichloroethane-d4	8260b	95.1	70-130	---
Toluene-d8	8260b	108	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 170186 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
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	Qualif	Comment
Ethylbenzene	J	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.
Benzo[g,h,i]perylene	J	See J-flag discussion above.
Dibenz[a,h]anthracene	J	See J-flag discussion above.
Indeno[1,2,3-cd]pyrene	J	See J-flag discussion above.

Notes:

ANALYSYS INC.

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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#: 170187 **Report Date:** 08/31/05
Project ID: 2000-10757
Sample Name: MW-3
Sample Matrix: water
Date Received: 08/25/2005 **Time:** 10:00
Date Sampled: 08/22/2005 **Time:** 13:00

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]
A/BN Extraction-PAH	---	---	---	---	08/26/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	08/29/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		08/30/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/30/05	8260b	---	0.4	96.3	94.1	96.7
Ethylbenzene	<1	µg/L	1	<1	08/30/05	8260b	---	0.2	104.4	108.2	103
m,p-Xylenes	<2	µg/L	2	<2	08/30/05	8260b	J	0.5	104.4	107.8	103.3
o-Xylene	<1	µg/L	1	<1	08/30/05	8260b	---	0.5	98.8	95.8	97.2
Toluene	<1	µg/L	1	<1	08/30/05	8260b	---	0.2	102.5	102.2	102.8
Acenaphthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	1.2	39.8	94.2	38.5
Acenaphthylene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	0.6	44.1	103.2	42.8
Anthracene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	5.8	47	92	44.2
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	19.1	55.8	93.5	57.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	25.7	57.4	92.8	58.1
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.3	60.6	96.3	63.2
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	13.5	58.1	104.1	60.4
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.1	56.4	87.8	57.6
Chrysene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.5	52.3	85.1	52.1
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	11.8	48.7	99.3	51.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	12.9	51.1	88	48.1
Fluorene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	3	34.2	81.5	32.8
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	15.4	55.7	101.3	58.3

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.

Respectfully Submitted,

Dale Wagner

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.

ANALYSYS INC.

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#: 170187
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	08/29/05	610 & 8270c	---	9.4	36.3	98.2	37.8
Phenanthrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	3.5	45.4	88.5	40.5
Pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	13.4	54.4	101.3	51.7

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Client: Environmental Plus, Inc.	**Project ID:** 2000-10757	**Report#/Lab ID#:** 170187
Attn: Iain Olness	**Sample Name:** MW-3	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Fluoronaphthalene	610 & 8270c	34.1	15-110	---
2-Fluorobiphenyl	610 & 8270c	47.7	30-110	---
1,2-Dichloroethane-d4	8260b	92.8	70-130	---
Toluene-d8	8260b	108	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 170187 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
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:

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☐ 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.
Benzo[g,h,i]perylene	J	See J-flag discussion above.
Dibenz[a,h]anthracene	J	See J-flag discussion above.
Indeno[1,2,3-cd]pyrene	J	See J-flag discussion above.

Notes:

ANALYSYS INC.

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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#: 170188 **Report Date:** 08/31/05
Project ID: 2000-10757
Sample Name: MW-4
Sample Matrix: water
Date Received: 08/25/2005 **Time:** 10:00
Date Sampled: 08/22/2005 **Time:** 14:00

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]
A/BN Extraction-PAH	---	---	---	---	08/26/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	08/29/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		08/30/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/30/05	8260b	---	0.4	96.3	94.1	96.7
Ethylbenzene	<1	µg/L	1	<1	08/30/05	8260b	---	0.2	104.4	108.2	103
m,p-Xylenes	<2	µg/L	2	<2	08/30/05	8260b	---	0.5	104.4	107.8	103.3
o-Xylene	<1	µg/L	1	<1	08/30/05	8260b	---	0.5	98.8	95.8	97.2
Toluene	<1	µg/L	1	<1	08/30/05	8260b	---	0.2	102.5	102.2	102.8
Acenaphthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	1.2	39.8	94.2	38.5
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Anthracene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	5.8	47	92	44.2
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Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	25.7	57.4	92.8	58.1
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.3	60.6	96.3	63.2
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	13.5	58.1	104.1	60.4
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.1	56.4	87.8	57.6
Chrysene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	16.5	52.3	85.1	52.1
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	11.8	48.7	99.3	51.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	12.9	51.1	88	48.1
Fluorene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	3	34.2	81.5	32.8
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	J	15.4	55.7	101.3	58.3

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.

Respectfully Submitted,

Dale Wagner

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2000-10757
Sample Name: MW-4

Report#/Lab ID#: 170188
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	08/29/05	610 & 8270c	---	9.4	36.3	98.2	37.8
Phenanthrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	3.5	45.4	88.5	40.5
Pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	13.4	54.4	101.3	51.7

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Client: Environmental Plus, Inc.	**Project ID:** 2000-10757	**Report#/Lab ID#:** 170188
Attn: Iain Olness	**Sample Name:** MW-4	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Fluoronaphthalene	610 & 8270c	23.7	15-110	---
2-Fluorobiphenyl	610 & 8270c	32.7	30-110	---
1,2-Dichloroethane-d4	8260b	92.2	70-130	---
Toluene-d8	8260b	108	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 170188 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
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:

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J flag Discussion:

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzo[g,h,i]perylene	J	See J-flag discussion above.
Dibenz[a,h]anthracene	J	See J-flag discussion above.
Indeno[1,2,3-cd]pyrene	J	See J-flag discussion above.

Notes: _____

_____

_____

AnalySys Inc.

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(512) 385-5886 • FAX (512) 385-7411

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#: 170189 **Report Date:** 08/31/05
Project ID: 2000-10757
Sample Name: MW-10
Sample Matrix: water
Date Received: 08/25/2005 **Time:** 10:00
Date Sampled: 08/22/2005 **Time:** 15:00

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]
A/BN Extraction-PAH	---	---	---	---	08/26/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	08/29/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		08/30/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/30/05	8260b	---	0.4	96.3	94.1	96.7
Ethylbenzene	<1	µg/L	1	<1	08/30/05	8260b	---	0.2	104.4	108.2	103
m,p-Xylenes	<2	µg/L	2	<2	08/30/05	8260b	---	0.5	104.4	107.8	103.3
o-Xylene	<1	µg/L	1	<1	08/30/05	8260b	---	0.5	98.8	95.8	97.2
Toluene	<1	µg/L	1	<1	08/30/05	8260b	---	0.2	102.5	102.2	102.8
Acenaphthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	1.2	39.8	94.2	38.5
Acenaphthylene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	0.6	44.1	103.2	42.8
Anthracene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	5.8	47	92	44.2
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Fluoranthene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	12.9	51.1	88	48.1
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Client: Environmental Plus, Inc.	**Project ID:** 2000-10757	**Report#/Lab ID#:** 170189
Attn: Iain Olness	**Sample Name:** MW-10	**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	08/29/05	610 & 8270c	---	9.4	36.3	98.2	37.8
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Pyrene	<0.05	µg/L	0.05	<0.05	08/29/05	610 & 8270c	---	13.4	54.4	101.3	51.7

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Client: Environmental Plus, Inc.	**Project ID:** 2000-10757	**Report#/Lab ID#:** 170189
Attn: Iain Olness	**Sample Name:** MW-10	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Fluoronaphthalene	610 & 8270c	35.1	15-110	---
2-Fluorobiphenyl	610 & 8270c	50.2	30-110	---
1,2-Dichloroethane-d4	8260b	95.4	70-130	---
Toluene-d8	8260b	107	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 170189 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
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
Benzo[g,h,i]perylene	J	See J-flag discussion above.
Indeno[1,2,3-cd]pyrene	J	See J-flag discussion above.

Notes:

13264

AnalySys Inc.

Chain of Custody Form

4221 Freidrich Lane, Suite 190, Austin, TX 78744
512-444-5896 FAX: 512-447-4766

2209 N. Padre Island Dr., Corpus Christi, TX 78408

Company Name	Environmental Plus, Inc.
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 All American
Facility Name	Kimbrough Sweet
Project Reference	2000-10757
EPI Sampler Name	George Blackburn

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

Attn: ENV Accounts Receivable
P.O. Box 4648
Houston, TX 77210-4648

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^=$)	pH	TCLP	OTHER >>>	PAH
170186 1	MW-1	G	6	X						X	X		22-Aug-05	12:00	X							X
170187 2	MW-3	G	6	X						X	X		22-Aug-05	13:00	X							X
170188 3	MW-4	G	6	X						X	X		22-Aug-05	14:00	X							X
170189 4	MW-10	G	6	X						X	X		22-Aug-05	15:00	X							X
5																						
6																						
7																						
8																						
9																						
10																						

Sampler Relinquished: Iain Olness	Date 8/24/05 Time 1630	Received By: [signature]	8/25/05 10:00
Relinquished by:	Date / Time	Received By: (lab staff)	
Delivered by:	Sample Cool & Intact Yes / No	Checked By:	

E-mail results to: iolness@envplus.net and cjreynolds@paalp.com
REMARKS:

+E3.1

AnalySys Inc.

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
Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 173911 **Report Date:** 11/28/05
Project ID: 2000-10757 Kimbrough Sweet
Sample Name: MW-10
Sample Matrix: water
Date Received: 11/22/2005 **Time:** 10:30
Date Sampled: 11/14/2005 **Time:** 12:00

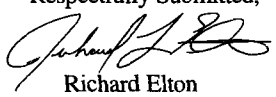
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		11/23/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	11/23/05	8260b	---	0.2	104.5	96.9	100.6
Ethylbenzene	<1	µg/L	1	<1	11/23/05	8260b	---	4.6	110.5	110.7	112.5
m,p-Xylenes	<2	µg/L	2	<2	11/23/05	8260b	J	2.9	111.8	110.3	112.3
o-Xylene	<1	µg/L	1	<1	11/23/05	8260b	---	3.5	121.8	116.1	120.4
Toluene	<1	µg/L	1	<1	11/23/05	8260b	---	9.1	108.1	98.3	106.2

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.

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.

ANALYSYS INC.

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 Kimbrough Sweet	**Report#/Lab ID#:** 173911
Attn: Iain Olness	**Sample Name:** MW-10	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	95.6	70-130	---
Toluene-d8	8260b	95.6	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 173911 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2000-10757 Kimbrough Sweet
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).

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:

AnalySys Inc.

Chain of Custody Form

4221 Freidrich Lane, Suite 190, Austin, TX 78744 *2209 N. Padre Island Dr., Corpus Christi, TX 78408*
512-444-5896 FAX: 512-447-4766

Company Name	Environmental Plus, Inc.
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 All American
Facility Name	Kimbrough Sweet
Project Reference	2000-10757
EPI Sampler Name	George Blackburn

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

Attn: ENV Accounts Receivable
P.O. Box 4648
Houston, TX 77210-4648

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	~~BTEX~~ pH			
173911 1	MW-10	G	6	X						X	X		14-Nov-05	12:00	X							X			
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									

Sampler Relinquished:	Date / Time	Received By: Roger Rollins	E-mail results to: iolness@envplus.net and cjreynolds@paalp.com
Relinquished by: Aaron Hegemark	Date 11-28-05 / Time 1600	Received By: (lab staff) ASI 11-22-05 10:30 AM	REMARKS:
Delivered by:	Sample Cool & Intact (Yes) No	Checked By:	

Temp: 2.1°

Appendix II: NMOCD Abatement Plan Approval Letter

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

November 30, 2001

Mr. Frank Hernandez
District Environmental Supervisor
EOTT Energy Pipeline Limited Partnership
5805 East Highway 80
P.O. Box 1660
Midland, Texas 79703

RE: KIMBROUGH SWEET SITE Ref # 2000-10757
NMOCD File AP - 29
LEA COUNTY, NEW MEXICO

Dear Mr. Hernandez:

The New Mexico Oil Conservation Division (OCD) has reviewed the July 2001 "SOIL AND GROUND WATER REMEDIATION PLAN" for this project which was submitted on behalf of EOTT by your consultant Environmental Plus, Inc.(EPI.) This document describes general concepts for methods of soil and ground water treatment. On November 27, 2001, Mr. Pat McCasland of EPI reported on the status and progress in the cleanup. Bill Olson and I arranged to meet Mr. McCasland in Hobbs on December 13th to view the site.

Based on our review of the remediation plan and our discussion with Mr. McCasland, OCD approves the proposed plan with the following conditions.

1. At least four monitoring wells, one more than proposed, shall be installed to delineate areas not yet impacted by the contamination plume. One of the three delineation monitoring wells must be installed southeast of the release area. At least two other monitoring wells will be required in the release area to assess progress of *in-situ* remediation. Thus, a minimum of six monitoring wells is required.

2. No sooner than 24 hours after the wells are developed, ground water from all monitor wells shall be purged, sampled and analyzed for non-aqueous phase liquids (free product) thickness and concentrations of benzene, toluene, ethyl benzene, xylene (BTEX), polycyclic aromatic hydrocarbons, total dissolved solids, and New Mexico Water Quality Control Commission metals and major cations and anions using EPA approved methods and quality assurance/quality control (QA/QC). Thereafter, ground water shall be monitored quarterly for thickness of free product or BTEX in the absence of measurable free product.

3. Soil cleanup levels of 100 ppm Total Petroleum Hydrocarbons (TPH), 50 ppm BTEX, and 10 ppm benzene apply to both those soils above and below the impermeable clay barrier at 15 feet below surface grade (bsg). If you wish to modify soil cleanup levels based upon risk analyses or migration studies, you may apply for modifications of this condition of approval.

4. Soil from the bio-cell shall be sampled and analyzed for TPH and BTEX on a quarterly basis with samples taken at least ten feet bsg at least at ten representative locations in the bio-cell. If you wish to composite these samples, please describe how that will be done to minimize BTEX evaporation.

5. As-built drawings of the free product recovery system be submitted within 30 days of completion of construction, showing locations and depths of wells, types and specifications of pumps, storage, recovery and separation equipment, expected duration and timing of operations, a schedule including estimated date of completion, and so forth. If ground water is to be treated and reintroduced into the subsurface, you will have to apply for a Discharge Permit.

6. As-built drawings of the vapor recovery systems shall be submitted within 30 days of completion of construction of the system, showing details of locations and types of wells and piping, depths of wells and screens, overall layout, volume of air being processed, expected duration and timing of operations, a schedule including estimated date of completion, and so forth.

7. Revised site location and vicinity maps shall be submitted within 30 days of completion of recovery and sparging system construction, showing layout of wells and equipment, and all water supply wells within one mile of the area affected by the release.

8. EOTT shall submit the results of the investigation and initial recovery and abatement operations to the OCD by March 1, 2002 and quarterly thereafter. The reports shall be submitted to the OCD Santa Fe Office with a copy provided to the OCD Hobbs District Office and shall include the following information. OCD encourages electronic submissions of these reports.

   a. A description of the investigation and abatement activities that occurred.

   b. A geologic/lithologic log and well completion diagram for each monitor and recovery well.

   c. A water table map showing the location of the spills, excavated areas, monitor wells, recovery wells, sparging wells, and any other pertinent site features as well as the direction and magnitude of the hydraulic gradient created using the water table elevation from each monitor well.

d. Isopleth maps for contaminants, including BTEX and free product thickness, observed during the investigations and recovery operations.

e. Summary tables of all soil and ground water quality sampling results and copies of all recent laboratory analytical data sheets and associated QA/QC data.

f. Summaries of free product recovery operations, including hours and days of operations, volumes of oil and water recovered, thickness of free product in recovery and monitoring wells, and so forth.

g. Summaries of vapor recovery operations, including hours and days of operations, concentrations of vapor in exhaust sites, and so forth.

h. The disposition of all wastes generated.

9. All wastes generated during the investigation shall be disposed of at an OCD approved facility.

Please be advised that NMOCD approval does not relieve EOTT of liability should the investigation fail to adequately define the extent of contamination, or if contamination exists which is outside the scope of the work plan, or if proposed abatement systems fail to remediate the contamination in a timely manner. In addition, NMOCD approval does not relieve EOTT of responsibility for compliance with any other federal, state or local laws and regulations.

If you have any questions, please contact me at (505) 476-3493 or by email at rbayliss@state.nm.us.

Sincerely,

Randolph Bayliss, P.E.
Hydrologist
Environmental Bureau

xc: Chris Williams, NMOCD Hobbs District Office
Pat McCasland, EPI

Appendix III: Site Information and Metrics Form and NMOCD form C-141

PLAINS ALL AMERICAN 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 ¼¼: 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	3. Distance to Surface Water Body
If Depth to GW <50 feet: *20 points*	If <1000' from water source, or;<200' from private domestic water source: *20 points*	<200 horizontal feet: *20 points*
If Depth to GW 50 to 99 feet: *10 points*		200-100 horizontal feet: *10 points*
If Depth to GW >100 feet: *0 points*	If >1000' from water source, or; >200' from private domestic water source: *0 points*	>1000 horizontal feet: *0 points*
Ground water Score = 20	*Wellhead Protection Area Score= 0*	*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	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County:
G	**3**	**T18S**	**R37E**					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:	**OIL CONSERVATION DIVISION**	
Printed Name: Camille Reynolds	Approved by District Supervisor:	
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