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# MONITORING REPORTS



2007 ANNUAL MONITORING REPORT

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TNM 97-04 SE ¼ SE ¼ of SECTION 11, TOWNSHIP 16 SOUTH, RANGE 35 EAST LEA COUNTY, NEW MEXICO PLAINS EMS NUMBER: TNM 97-04 NMOCD Reference GW-0294

**PREPARED FOR:** 

PLAINS MARKETING, L.P. 333 CLAY STREET, SUITE 1600 HOUSTON, TEXAS 77002

**PREPARED BY:** 

NOVA Safety and Environmental 2057 Commerce Midland, Texas 79703

**March 2008** 

Curt D. Stanley Project Manager

Todd K. Choban, P.G. Vice-President Technical Services



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March 28, 2008

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

Re: Plains All American – Annual Monitoring Reports 25 Sites in Lea County, New Mexico

Dear Mr. Hansen:

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

TNM 97-17 TNM 97-18 TNM 98-05A TNM 98-05B TNM 97-04 Texaco Skelly "F" Darr Angell #2 LF-59 **SPS-11** Monument #10 Monument #17 Monument #18 Lea Station to Monument 6" 34 Junction South Station Bob Durham Darr Angell #1 Darr Angell #4 HDO 90-23 Junction 34 to Lea Monument #2 Monument Barber 10" Sour Monument #11 Red Byrd #1 South Monument Gathering Denton Station

Section 21, Township 20 South, Range 37 East, Lea County Section 28, Township 20 South, Range 37 East, Lea County Section 26, Township 21 South, Range 37 East, Lea County Section 26, Township 21 South, Range 37 East, Lea County Section 11, Township 16 South, Range 35 East, Lea County Section 21, Township 20 South, Range 37 East, Lea County Section 14, Township 15 South, Range 37 East, Lea County Section 32, Township 19 South, Range 37 East, Lea County Section 18, Township 18 South, Range 36 East, Lea County Section 32, Township 19 South, Range 37 East, Lea County Section 29, Township 19 South, Range 37 East, Lea County Section 7, Township 20 South, Range 37 East, Lea County Section 5, Township 20 South, Range 37 East, Lea County Section 2, Township 17 South, Range 36 East, Lea County Section 32, Township 19 South, Range 37 East, Lea County Section 11, Township 15 South, Range 37 East, Lea County Sections 2 and 11, Township 15 South, Range 37 East, Lea County Section 6, Township 20 South, Range 37 East, Lea County Section 21, Township 20 South, Range 37 East, Lea County Section 6, Township 20 South, Range 37 East, Lea County Section 32, Township 19 South, Range 37 East, Lea County Section 30, Township 19 South, Range 37 East, Lea County Section 1, Township 20 South, Range 36 East, Lea County Section 5, Township 20 South, Range 37 East, Lea County Section 14, Township 15 South, Range 37 East, Lea County

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order to verify the accuracy and completeness of these documents. It is based upon these inquiries and reviews that Plains All American submits the enclosed Annual Monitoring Reports for the above facilities.

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

Sincerely,

Keynolds amile

Camille Reynolds Remediation Coordinator Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosures

3112 West Highway 82 • Lovington, NM 88260 • (505) 396-3341

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### **INTRODUCTION**

On behalf of Plains Marketing, L.P. (Plains), NOVA Safety and Environmental (NOVA) is pleased to submit this Annual Monitoring Report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an Annual Monitoring Report by April 1 of each year. Beginning on May 29, 2004, project management responsibilities were assumed by NOVA. The TNM 97-04 site (the site), which was formerly the responsibility of Texas New Mexico Pipeline Company (TNM) is now the responsibility of Plains. This report is intended to be viewed as a complete document with text, figures, tables and appendices. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2007 only. However, historic data tables as well as 2007 laboratory analytical reports are provided on the enclosed data disk. A Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during each quarter of 2007 to assess the extent of dissolved phase constituents and the presence of Phase Separated Hydrocarbon (PSH). Each groundwater monitoring event consisted of measuring static water levels in the monitor wells, checking for the presence of PSH and the purging and sampling of each well exhibiting sufficient recharge. Monitor wells containing a thickness of PSH greater than 0.01 foot were not sampled.

## SITE DESCRIPTION AND BACKGROUND INFORMATION

The site is located in the SE 1/4 of the SE 1/4 of Section 11, Township 16 South, Range 35 East in Lea County, New Mexico. Initial site investigation activities were performed for TNM by other environmental consultants. No other specifics concerning the release are currently available. The Release Notification and Corrective Action Form (C-141) is provided as Appendix A.

The initial environmental consultant installed fifteen monitor wells and one recovery well at the site. In December of 2002, two additional groundwater monitor wells (MW-16 and MW-17) were installed to further delineate the impact to groundwater at the site.

There are currently fourteen monitor wells (MW-2 through MW-7, and MW-9 through MW-16) and one recovery well (RW-1), on site. An automated recovery system operated at the site through 2006. The automated system was decommissioned in the 1<sup>st</sup> quarter of 2007, due to decreasing PSH thicknesses which could not be efficiently removed by the system. Manual PSH recovery is currently being performed on a weekly basis at the site.

## **RECENT FIELD ACTIVITIES**

A measurable thickness of PSH was present in six monitor wells (MW-2 through MW-6, and MW-9) and the recovery well (RW-1) during each quarter of the reporting period. The average thickness of PSH in monitor wells and recovery wells exhibiting PSH was 1.31 feet. The maximum thickness of PSH in monitor wells and recovery wells was 2.30 feet as recorded in monitor well MW-5 on January 24, 2007. PSH data for the 2007 gauging events can be found in

Table 1. Approximately 386 gallons (approximately 9 barrels) of PSH was recovered from the site during the 2007 reporting period. A total of approximately 6,839 gallons (approximately 163 barrels) of PSH have been recovered since project inception.

Quarterly monitoring events for the reporting period were performed according to the following reduced sampling schedule, which was approved by the NMOCD in correspondence dated April 28, 2004 and amended in correspondences dated June 22, 2005 and May 5, 2006.

NMOCI	Approved Sampling Sch	edule			
MW-1	Plugged & Abandoned	MW-7	Annual	MW-13	Quarterly
MW-2	Quarterly	MW-8	Plugged & Abandoned	MW-14	Quarterly
MW-3	Quarterly	MW-9	Quarterly	MW-15	Quarterly
MW-4	Quarterly	MW-10	Annual	MW-16	Semi-Annual
MW-5	Quarterly	MW-11	Annual	MW-17	Plugged & Abandoned
MW-6	Quarterly	MW-12	Annual	RW-1	Quarterly

The site monitor wells were gauged and sampled on March 14, May 29, August 30, and November 12, 2007. During each sampling event, monitor wells were purged of a minimum of three well volumes of water or until the wells failed to produce water. Purging was performed using a disposable polyethylene bailer for each well or electrical Grundfos pump and dedicated tubing. Groundwater was allowed to recharge and samples were obtained using disposable Teflon samplers. Water samples were collected in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of at a licensed disposal facility.

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during each quarterly sampling event of 2007, are depicted on the Inferred Groundwater Gradient Maps, Figures 2A-2D. Groundwater elevation data for 2007 is provided as Table 1. Historic groundwater elevation data beginning at project inception is provided on the enclosed data disk.

The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.002 feet/foot to the southeast as measured between monitor well MW-9 and MW-13. This is consistent with data presented on Figures 2A through 2C from earlier in the year. The corrected groundwater elevations ranged between 3,915.25 and 2922.75 feet above mean sea level, in MW-4 on November 29, 2007 and in RW-1 on February 9, 2007, respectively.

# LABORATORY RESULTS

Monitor wells MW-2 through MW-6, MW-9 and recovery well RW-1 contained PSH and were not sampled during the 2007 reporting period.

All groundwater samples collected during the reporting period were delivered to TraceAnalysis, Inc. in Lubbock, Texas for Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) constituent analysis using EPA Method SW 846-8021b. Analytical results of BTEX constituent concentrations for 2007 are summarized on Table 2. Historical BTEX constituent concentrations and copies of the laboratory reports for 2007 are provided on the enclosed data disk. The quarterly groundwater analytical results are depicted on the Groundwater Concentration and Inferred PSH Extent Maps, Figures 3A-3D.

**Monitor well MW-2** is monitored on a quarterly schedule. Monitor well MW-2 was not sampled during any of four quarters of the reporting period, due to the reported presence of PSH in the monitor well. PSH thicknesses of 1.68 feet, 1.99 feet, 1.85 feet and 1.77 feet were reported during the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2007, respectively.

**Monitor well MW-3** is monitored on a quarterly schedule. Monitor well MW-3 was not sampled during any of four quarters of the reporting period, due to the reported presence of PSH in the monitor well. PSH thicknesses of 1.53 feet, 1.81 feet, 1.71 feet and 1.37 feet were reported during the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2007, respectively.

**Monitor well MW-4** is monitored on a quarterly schedule. Monitor well MW-4 was not sampled during any of four quarters of the reporting period, due to the reported presence of PSH in the monitor well. PSH thicknesses of 0.61 feet, 0.76 feet, 0.67 feet and 0.32 feet were reported during the  $1^{\text{st}}$ ,  $2^{\text{nd}}$ ,  $3^{\text{rd}}$  and  $4^{\text{th}}$  quarters of 2007, respectively.

**Monitor well MW-5** is monitored on a quarterly schedule. Monitor well MW-5 was not sampled during any of four quarters of the reporting period, due to the reported presence of PSH in the monitor well. PSH thicknesses of 1.99 feet, 2.13 feet, 2.02 feet and 1.09 feet were reported during the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2007, respectively.

**Monitor well MW-6** is monitored on a quarterly schedule. Monitor well MW-6 was not sampled during any of four quarters of the reporting period, due to the reported presence of PSH in the monitor well. PSH thicknesses of 0.56 feet, 0.57 feet, 0.83 feet and 1.09 feet were reported during the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2007, respectively.

**Monitor well MW-7** is sampled on an annual schedule and analytical results indicate benzene and toluene concentrations below laboratory method detection limits (MDL) and NMOCD regulatory standards of 0.01 mg/L and 0.75 mg/L, respectively during the 4<sup>th</sup> quarter of 2007. Ethylbenzene concentrations were 0.0062 mg/L during the 4<sup>th</sup> quarter of 2007. Ethylbenzene concentrations were below the NMOCD regulatory standard during the 4<sup>th</sup> quarter sampling event. Xylene concentrations were 0.0015 mg/L during the 4<sup>th</sup> quarter of the reporting period. Xylene concentrations were below NMOCD regulatory standards during the 4<sup>th</sup> quarter of 2007.

**Monitor well MW-9** is monitored on a quarterly schedule. Monitor well MW-9 was not sampled during any of four quarters of the reporting period, due to the reported presence of PSH in the monitor well. PSH thicknesses of 0.43 feet, 0.55 feet, 0.70 feet and 0.43 feet were reported during the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2007, respectively.

**Monitor well MW-10** is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below MDL and NMOCD regulatory standards for each BTEX constituent during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-11** is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below MDL and NMOCD regulatory standards for each BTEX constituent during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-12** is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below MDL and NMOCD regulatory standards for each BTEX constituent during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-13** is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.350 mg/L in the 4<sup>th</sup> quarter to 0.609 mg/L during the 3<sup>rd</sup> quarter of 2007. Benzene concentrations were above the NMOCD regulatory standard during all four quarters of the reporting period. Toluene concentrations were below MDL and NMOCD regulatory standards during all four quarters of 2007. Ethylbenzene concentrations ranged from <0.005 mg/L during the 2<sup>nd</sup> and 4<sup>th</sup> quarters to 0.029 mg/L during the 1<sup>st</sup> quarter of 2007. Ethylbenzene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations ranged from <0.005 mg/L during the 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> quarters to 0.0161 mg/L during the 1<sup>st</sup> quarter of 2007. Xylene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period.

**Monitor well MW-14** is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.092 mg/L during the 4<sup>th</sup> quarter to 0.212 mg/L during the 2<sup>nd</sup> quarter of 2007. Benzene concentrations were above the NMOCD regulatory standard during all four quarters of the reporting period. Toluene concentrations ranged from 0.0249 mg/L during the 4<sup>th</sup> quarter to 0.292 mg/L during the 1<sup>st</sup> quarter of 2007. Toluene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Ethylbenzene concentrations ranged from 0.196 mg/L during the 4<sup>th</sup> quarter to 0.251 mg/L during the 2<sup>nd</sup> quarter of 2007. Ethylbenzene concentrations were below the NMOCD regulatory standard during period. Xylene concentrations ranged from 0.634 mg/L during the 4<sup>th</sup> quarter to 0.807 mg/L during the 2<sup>nd</sup> quarter of 2007. Xylene concentrations were above the NMOCD regulatory standard during all four quarters of the reporting period.

**Monitor well MW-15** is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 1.820 mg/L during the 1<sup>st</sup> quarter to 4.370 mg/L during the 4<sup>th</sup> quarter of 2007. Benzene concentrations were above the NMOCD regulatory standard during all four quarters of the reporting period. Toluene concentrations were below MDL and NMOCD regulatory standards during all four quarters of 2007. Ethylbenzene concentrations ranged from <0.2 mg/L during the 2<sup>nd</sup> quarter to 0.487 mg/L during the 4<sup>th</sup> quarter of 2007. Ethylbenzene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations ranged from <0.2 mg/L during the 4<sup>th</sup> quarter of 2007. Xylene concentrations were below the NMOCD regulatory standard during the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> quarters and above the regulatory standard during the 4<sup>th</sup> quarter of the reporting period.

**Monitor well MW-16** is sampled on a semi-annual schedule and analytical results indicate BTEX constituent concentrations were below MDL and NMOCD regulatory standards for each BTEX constituent during the  $2^{nd}$  and  $4^{th}$  quarter sampling events.

**Recovery well RW-1** is monitored on a quarterly schedule. Recovery well RW-1 was not sampled during any of four quarters of the reporting period, due to the reported presence of PSH in the monitor well. PSH thicknesses of 1.09 feet, 1.23 feet, 1.64 feet and 1.65 feet were reported during the  $1^{\text{st}}$ ,  $2^{\text{nd}}$ ,  $3^{\text{rd}}$  and  $4^{\text{th}}$  quarters of 2007, respectively.

Laboratory analytical results were compared to NMOCD regulatory limits based on the New Mexico groundwater standards found in section 20.6.2.3103 of the New Mexico Administrative Code.

# SUMMARY

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() () This report presents the results of monitoring activities for the 2007 annual monitoring period. There are currently fourteen monitor wells (MW-2 through MW-7, and MW-9 through MW-16) and one recovery well (RW-1) on site. An automated recovery system operated at the site through 2006. The automated system was decommissioned in the 1<sup>st</sup> quarter of 2007, due to decreasing PSH thicknesses which could not be efficiently removed by the system. Manual PSH recovery is currently being performed on a weekly basis at the site. Groundwater elevation contours generated from water level measurements indicate a general gradient of approximately 0.002 feet/foot to the southeast.

Six monitor wells (MW-2 through MW-6, MW-9) and the recovery well (RW-1) contained measurable PSH thicknesses during each quarterly sampling event of 2007 and were not sampled. Approximately 386 gallons (approximately 9 barrels) of PSH was recovered from the site during the 2007 reporting period. A total of approximately 6,839 gallons (approximately 163 barrels) of PSH have been recovered since project inception. The average thickness of PSH in monitor wells and recovery wells displaying PSH was 1.31 feet. Generally, 2007 PSH monitoring indicates declining PSH thicknesses in the affected monitor and recovery wells.

Five monitor wells exhibited BTEX constituent concentrations below NMOCD regulatory standards. Three monitor wells (MW-13 through MW-15) exhibited one or more BTEX constituent concentrations above the NMOCD regulatory standards.

# ANTICIPATED ACTIONS

PSH recovery, quarterly groundwater monitoring and sampling will continue in 2008. An Annual Monitoring Report will be submitted to the NMOCD before April 1, 2009.

An additional monitor well is necessary down gradient of monitor well MW-13 to fully delineate the dissolved phase hydrocarbon plume at the site. Plains will schedule installation of the new well for the  $2^{nd}$  quarter of 2008.

# LIMITATIONS

NOVA has prepared this Annual Monitoring Report to the best of its ability. No other warranty, expressed or implied, is made or intended.

NOVA has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. NOVA has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. NOVA has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. NOVA also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

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This report has been prepared for the benefit of Plains. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of NOVA and/or Plains.

# DISTRIBUTION

Copy 1	Ed Hansen New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505
Copy 2:	Larry Johnson New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division, District 1 1625 French Drive Hobbs, NM 88240
Copy 3:	Camille Reynolds Plains Marketing, L.P. 3112 Highway 82 Lovington, NM cjreynolds@paalp.com
Copy 4:	Jeff Dann Plains Marketing, L.P. 333 Clay Street Suite 1600 Houston, TX 77002 jpdann@paalp.com
Copy 5:	NOVA Safety and Environmental 2057 Commerce Street Midland, TX 79703 cstanley@novatraining.cc

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#### 2007 GROUNDWATER ELEVATION DATA

#### PLAINS MARKETING, L.P. TNM 97-04 (TOWNSEND) LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATE ELEVATION
MW-2	01/05/07	3974.62	52.20	54.43	2.23	3922.09
101 00 -2	01/12/07	3974.62	52.20	54.37	2.18	3922.10
	01/12/07	3974.62	52.19	54.37	2.20	3922.10
	01/24/07	3974.62	52.20	54.37	2.20	3922.12
	01/29/07	3974.62	52.20	54.28	2.13	3922.10
	02/09/07	3974.62	52.17	54.28	2.11	3922.13
	02/16/07	3974.62	52.17	54.34	2.14	3922.13
	02/23/07	3974.62	52.13	54.25	2.10	3922.12
	03/02/07	3974.62	52,15	54.30	2.10	3922.10
	03/14/07	3974.62	52,20	53.88	1.68	3922.17
	03/26/07	3974.62	52.19	54.13	1.94	3922.17
	04/03/07	3974.62	52.15	54.22	2.07	3922.14
	04/09/07	3974.62	52.13	54.20	2.06	3922.10
	04/09/07	3974.62	52.14	54.20	2.06	3922.17
	04/20/07	3974.62	52,15	54.13	1.97	3922.16
	04/30/07	3974.62	52,16	54.15		
					2.01	3922.17
	05/16/07 05/22/07	3974.62 3974.62	52.16 52.15	54.13 54.12	1.97	3922.16
					1.97	3922.17
	05/29/07	3974.62	52.13	54.12	1.99	3922.19
	06/01/07	3974.62	52.12	54.14	2.02	3922.20
	06/08/07	3974.62	52.14	54.12	1.98	3922.18
	06/11/07	3974.62	52.16	54.00	1.84	3922.18
	06/20/07	3974.62	52.15	54.10	1.95	3922.18
	07/10/07	3974.62	52.13	54.08	1.95	3922.20
	07/20/07	3974.62	52.14	54.06	1.92	3922.19
	07/25/07	3974.62	52.14	54.02	1.88	3922.20
	08/01/07	3974.62	52.11	54.01	1.90	3922.23
	08/10/07	3974.62	52.15	54.02	1.87	3922.19
	08/15/07	3974.62	52.14	54.00	1.86	3922.20
	08/30/07	3974.62	52.15	54.00	1.85	3922.19
	08/31/07	3974.62	52.15	54.00	1.85	3922.19
	09/10/07	3974.62	52.14	53.98	1.84	3922.20
	09/19/07	3974.62	52.12	53.98	1.86	3922.22
	09/27/07	3974.62	52.11	53,94	1.83	3922.24
	10/01/07	3974.62	52.14	53.88	1.74	3922.22
	10/19/07	3974,62	52.10	53.96	1.86	3922.24
	10/26/07	3974.62	52.10	53.91	1.81	3922.25
	11/12/07	3974.62	52.12	53.89	1.77	3922.23
	11/16/07	3974.62	52.10	53.88	1.78	3922.25
	11/29/07	3974.62	52,10	53.89	1.79	3922.25
	12/13/07	3974.62	52.10	53.86	1.76	3922.26
in house the				and the second second second		and the second
MW-3	01/05/07	3974.60		Well Obstructe		
	02/09/07	3974.60		Well Obstructe		
	02/23/07	3974.60		Well Obstructe		
	03/14/07	3974.60	52.20	53.73	1.53	3922.17
	03/26/07	3974.60	52.16	53.99	1.83	3922.17
	04/03/07	3974.60	52.14	54.06	1.92	3922.17
	04/09/07	3974.60	52.13	54.03	1.90	3922.19
	04/26/07	3974.60	52.13	54.06	1.93	3922.18
	04/30/07	3974.60	52.16	53.96	1.80	3922.17
	05/11/07	3974.60	52.13	54.00	1.87	3922.19
	05/16/07	3974.60	52.16	53.90	1.74	3922.18
	05/22/07	3974.60	52.14	53,93	1.79	3922.19
	05/29/07	3974.60	52.13	53.94	1.81	3922.20
	06/01/07	3974.60	52.12	53.96	1.84	3922.20

1 of 6

#### 2007 GROUNDWATER ELEVATION DATA

#### PLAINS MARKETING, L.P. TNM 97-04 (TOWNSEND) LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATEF ELEVATION
MW-3	06/08/07	3974.60	52.13	53.95	1.82	3922.20
141 44 -5	06/11/07	3974.60	52.18	53.80	1.62	3922.18
	06/20/07	3974.60	52.13	53.90	1.77	3922.20
	07/10/07	3974.60	52.12	53.90	1.78	3922.20
	07/20/07	3974.60	52.12	53.90	1.78	3922.21
	07/25/07	3974.60	52.12	53.84	1.72	3922.22
	08/01/07	3974.60	52,12	53.81	1.70	3922.22
	08/10/07	3974.60	52.11	53.86	1.74	3922.24
	08/15/07	3974.60	52.12	53.77	1.65	3922.22
	08/30/07	3974.60	52.12	53.83	1.05	3922.22
	08/31/07	3974.60	52.12	53.83	1.71	3922.22
	09/10/07	3974.60	52.12	53.85	1.70	3922.22
	09/19/07	3974.60	52.11	53.79	1.68	3922.24
	10/01/07	3974.60	52.22	53.36	1.14	3922.24
	10/19/07	3974.60	52.14	53.59	1.45	3922.21
	11/12/07	3974.60	52.14	53.59	1.37	3922.24
	12/13/07	3974.60	52.08	53.72	1.64	3922.24
		3374.00	52.08		1.04	5722.21
MW-4	01/05/07	3974.53	52.18	53.18	1.00	3922.20
101 00 -4	01/12/07	3974.53	52.20	53.18	0.93	3922.20
	01/12/07	3974.53	52.20	53.15	0.93	3922.19
	01/24/07	3974.53	52.20	53.10	0.90	3922.20
	01/29/07	3974.53	52.18	53.06	0.88	3922.22
	02/09/07	3974.53	52.16	53.04	0.88	3922.24
· · ·	02/16/07	3974.53	52.20	53.07	0.87	3922.20
	02/23/07	3974.53	52.15	53.03	0.88	3922.25
	03/02/07	3974.53	52.20	53.10	0.90	3922.20
	03/14/07	3974.53	52.19	52.80	0.61	3922.25
	03/26/07	3974.53	52.17	52.94	0.77	3922.24
	04/03/07	3974.53	52.14	52.98	0.84	3922.26
	04/09/07	3974.53	52.16	52.95	0.79	3922.25
	04/26/07	3974.53	52.16	52.96	0.80	3922.25
	04/30/07	3974.53	52.12	52.94	0.82	3922.29
	05/11/07	3974.53	52.15	52.94	0.79	3922.26
	05/16/07	3974.53	52.17	52.88	0.71	3922.25
	05/22/07	3974.53	52.15	52.87	0.72	3922.27
	05/29/07	3974.53	52.14	52.90	0.76	3922.28
	06/01/07	3974.53	52.15	52.90	0.75	3922.27
	06/08/07	3974.53	52.15	52.90	0.75	3922.27
	06/11/07	3974.53	52.18	52.81	0.63	3922.26
	06/20/07	3974.53	52.15	52.90	0.75	3922.27
	07/10/07	3974.53	52.13	52.85	0.72	3922.29
	07/20/07	3974.53	52.14	52.83	0.69	3922.29
	07/25/07	3974.53	52.14	52.78	0.64	3922.29
	08/01/07	3974.53	52.12	52.81	0.69	3922.31
	08/10/07	3974.53	52.14	52.81	0.67	3922.29
	08/15/07	3974.53	52.13	52.76	0.63	3922.31
	08/30/07	3974.53	52.13	52.80	0.67	3922.30
-	08/31/07	3974.53	52.13	52.80	0.67	3922.30
	09/10/07	3974.53	52.13	52.77	0.64	3922.30
	09/19/07	3974.53	52.12	52.76	0.64	3922.31
	09/27/07	3974.53	52.12	52.72	0.60	3922.32
	10/01/07	3974.53	52.12	52.67	0.55	3922.33
	10/19/07	3974.53	52.10	52.75	0.65	3922.33
	10/26/07	3974.53	52.12	52.68	0.56	3922.33
	11/12/07	3974.53	52.14	52.46	0.32	3922.34

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#### 2007 GROUNDWATER ELEVATION DATA

#### PLAINS MARKETING, L.P. TNM 97-04 (TOWNSEND) LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-4	11/16/07	3974.53	52.16	52.47	0.31	3922.32
101 00 -4	11/29/07	3974.53	59.18	59.88	0.70	3915.25
	12/13/07	3974.53	52.10	52.63	0.53	3922.35
	12/15/07	3914.33	52.10			
MW-5	01/05/07	3974.27	51.77	54.04	2.27	3922,16
IVI VV-5	01/12/07	3974.27	51.75	54.04	2.29	3922.18
	01/12/07	3974.27	51.75	54.03	2.29	3922.18
	01/24/07	3974.27	51.74	54.05	2.30	3922.17
	01/29/07	3974.27	51.70	53.97	2.30	3922.17
	02/09/07	3974.27	51.73	53.97	2.25	3922.22
		3974.27	51.73	53.98	2.25	3922.20
	02/16/07	· · · · · · · · · · · · · · · · · · ·	51.73		2.25	
	02/23/07	3974.27		53.96		3922.22
	03/02/07	3974.27	51.79	54.05	2.26	<u>3922.14</u> <u>3922.19</u>
	03/14/07	3974.27	51.78	53.77	1.99	
	03/26/07	3974.27	51.72	53.93	2.21	3922.22
	04/03/07	3974.27	51.72	53.93	2.21	3922.22
	04/09/07	3974.27	51.71	53.91	2.20	3922.23
	04/26/07	3974.27	51.71	53.88	2.17	3922.23
	04/30/07	3974.27	51.72	53.84	2.12	3922.23
	05/11/07	3974.27	51.73	53.84	2.11	3922.22
	05/16/07	3974.27	51.71	53.83	2.12	3922.24
	05/22/07	3974.27	51.70	53.82	2.12	3922.25
	05/29/07	3974.27	51.69	53.82	2.13	3922.26
	06/01/07	3974.27	51.71	53.86	2.15	3922.24
	06/08/07	3974.27	51.70	53.82	2.12	3922.25
	06/11/07	3974.27	51.71	53.80	2.09	3922.25
	06/20/07	3974.27	51.70	53.80	2.10	3922.26
	07/10/07	3974.27	51.69	53.78	2.09	3922.27
	07/20/07	3974.27	51.69	53.76	2.07	3922.27
	07/25/07	3974.27	51.68	53.75	2.07	3922.28
	08/01/07	3974.27	51.68	53.71	2.03	3922.29
	08/10/07	3974.27	51.69	53.74	2.05	3922.27
	08/15/07	3974.27	51.68	53.71	2.03	3922.29
	08/30/07	3974.27	51.69	53.71	2.02	3922.28
	08/31/07	3974.27	51.69	53.71	2.02	3922.28
	09/10/07	3974.27	51.69	53.70	2.01	3922.28
	09/19/07	3974.27	51.67	53.68	2.01	3922.30
	10/01/07	3974.27	52.03	52.32	0.29	3922.20
	10/19/07	3974.27	51.89	53.04	1.15	3922.21
	11/12/07	3974.27	51.84	52.93	1.09	3922.27
	12/13/07	3974.27	51.93	52.74	0.50	3921.96
	Web Street Street				<b>建筑的市场的</b> 的资料	struiter sources
MW-6	01/05/07	3974.72	52.53	53.63	1.10	3922.03
	01/12/07	3974.72	52.63	53.23	0.60	3922.00
	01/18/07	3974.72	52.66	53.19	0.53	3921.98
	01/24/07	3974.72	52.65	53.17	0.52	3921.99
	01/29/07	3974.72	52.65	53.14	0.49	3922.00
	02/09/07	3974.72	52.61	53.28	0.67	3922.01
	02/16/07	3974.72	52.62	53.24	0.62	3922.01
	02/23/07	3974.72	52.60	53.13	0.53	3922.04
	03/02/07	3974.72	52.57	53.40	0.83	3922.03
	03/14/07	3974.72	52.60	53.16	0.56	3922.04
	03/26/07	3974.72	52.57	53.33	0.76	3922.04
	04/03/07	3974.72	52.55	53.42	0.87	3922.04
	04/09/07	3974.72	52.60	53.21	0.61	3922.03
	04/26/07	3974.72	52.51	53.52	1.01	3922.06

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#### 2007 GROUNDWATER ELEVATION DATA

#### PLAINS MARKETING, L.P. TNM 97-04 (TOWNSEND) LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-6	04/30/07	3974.72	52.61	54.03	1.42	3921,90
141 44 -0	05/11/07	3974.72	52.55	53.26	0.71	3921.90
	05/16/07	3974.72	52.62	53.00	0.38	3922.06
	05/22/07	3974.72	52.60	53.00	0.38	3922.04
	05/29/07	3974.72	52.00	53.09	0.57	3922.05
	06/01/07	3974.72	52.56	53.14	0.70	3922.06
	06/08/07	3974.72	52.56	53.11	0.55	3922.08
	06/11/07	3974.72	52.50	52.95	0.38	3922.08
	06/20/07	3974.72	52.55	53.20	0.65	3922.09
	07/10/07	3974.72	52.53	53.31	0.80	3922.07
	07/11/07	3974.72	52.14	53.50	1.36	3922.38
	07/25/07	3974.72	52.52	53.25	0.73	3922.38
	07/23/07	3974.72	52.52	53.14	0.60	3922.09
	08/10/07	3974.72	52.54	53.14	0.60	3922.09
	08/15/07	3974.72	52.54	53.00	0.44	3922.09
	08/30/07	3974.72	52.49	53.32	0.83	3922.09
	08/31/07	3974.72	52.49	53.22	0.73	3922.11
	09/10/07	3974.72	52.45	53.60	1.15	3922.12
	09/10/07	3974.72	52.43	53.60	1.17	3922.10
	10/01/07	3974.72	52.53	53.29	0.76	3922.08
	10/19/07	3974.72	52.45	53.60	1.15	3922.10
	11/12/07	3974.72	52.41	53.50	1.09	3922.15
		5771.72				Syzz.15
MW-7	03/14/07	3974.60	-	52.64	0.00	3921.96
	05/29/07	3974.60		52.61	0.00	3921.99
	08/30/07	3974.60		52.58	0.00	3922.02
	11/12/07	3974.60	_	52.54	0.00	3922.02
			6997 Galacia	Kinsiipiju sis Konsi metrik		5722.00
MW-9	01/05/07	3975.06	52.61	53.62	1.01	3922.30
intri 3	01/12/07	3975.06	52.66	53.37	0.71	3922.29
	01/18/07	3975.06	52.68	53.30	0.62	3922.29
	01/24/07	3975.06	52.69	53.28	0.59	3922.28
	01/29/07	3975.06	52.67	53.20	0.53	3922.31
	02/09/07	3975.06	52.63	53.36	0.73	3922.32
	02/16/07	3975.06	52.65	53.34	0.69	3922.31
	02/23/07	3975.06	52.63	53.29	0.66	3922.33
	03/02/07	3975.06	52.62	53,45	0.83	3922.32
	03/14/07	3975.06	52.66	53.09	0.43	3922.34
	03/26/07	3975.06	52.63	53.26	0.63	3922.34
	04/03/07	3975.06	52.60	53.38	0.78	3922.34
	04/09/07	3975.06	52.61	53.27	0.66	3922.35
	04/26/07	3975.06	52.58	53.44	0.86	3922.35
	04/30/07	3975.06	52.22	53.26	1.04	3922.68
			52.50	53.65	1.06	3922.31
	05/11/07	3975.06	52.59	55.05		
	05/16/07	<u>3975.06</u> 3975.06	52.64	53.11	0.47	3922.35
						3922.35 3922.35
	05/16/07	3975.06	52.64	53.11	0.47	
	05/16/07 05/22/07	3975.06 3975.06	52.64 52.64	53.11 53.14	0.47 0.50	3922.35
	05/16/07 05/22/07 05/29/07	3975.06 3975.06 3975.06	52.64 52.64 52.61	53.11 53.14 53.16	0.47 0.50 0.55	<u>3922.35</u> 3922.37
	05/16/07 05/22/07 05/29/07 06/01/07	3975.06 3975.06 3975.06 3975.06	52.64 52.64 52.61 52.59	53.11 53.14 53.16 53.23	0.47 0.50 0.55 0.64	3922.35 3922.37 3922.37
······································	05/16/07 05/22/07 05/29/07 06/01/07 06/08/07	3975.06 3975.06 3975.06 3975.06 3975.06	52.64 52.64 52.61 52.59 52.61	53.11 53.14 53.16 53.23 53.20	0.47 0.50 0.55 0.64 0.59	3922.35 3922.37 3922.37 3922.36
	05/16/07 05/22/07 05/29/07 06/01/07 06/08/07 06/11/07 06/20/07	3975.06 3975.06 3975.06 3975.06 3975.06 3975.06 3975.06	52.64 52.64 52.61 52.59 52.61 52.65 52.65 52.60	53.11 53.14 53.16 53.23 53.20 53.01 53.23	0.47 0.50 0.55 0.64 0.59 0.36 0.63	3922.35 3922.37 3922.37 3922.36 3922.36 3922.36 3922.37
	05/16/07 05/22/07 05/29/07 06/01/07 06/08/07 06/11/07	3975.06 3975.06 3975.06 3975.06 3975.06 3975.06 3975.06	52.64 52.64 52.61 52.59 52.61 52.65	53.11 53.14 53.16 53.23 53.20 53.01	0.47 0.50 0.55 0.64 0.59 0.36	3922.35 3922.37 3922.37 3922.36 3922.36 3922.37 3922.37 3922.38
	05/16/07 05/22/07 05/29/07 06/01/07 06/08/07 06/11/07 06/20/07 07/10/07 07/20/07	3975.06 3975.06 3975.06 3975.06 3975.06 3975.06 3975.06 3975.06 3975.06	52.64 52.64 52.61 52.59 52.61 52.65 52.60 52.56 52.56	53.11 53.14 53.16 53.23 53.20 53.01 53.23 53.35 53.35 53.33	0.47 0.50 0.55 0.64 0.59 0.36 0.63 0.79 0.77	3922.35 3922.37 3922.37 3922.36 3922.36 3922.37 3922.38 3922.38
	05/16/07 05/22/07 05/29/07 06/01/07 06/08/07 06/11/07 06/20/07 07/10/07	3975.06 3975.06 3975.06 3975.06 3975.06 3975.06 3975.06 3975.06	52.64 52.64 52.61 52.59 52.61 52.65 52.60 52.56	53.11 53.14 53.16 53.23 53.20 53.01 53.23 53.23 53.35	0.47 0.50 0.55 0.64 0.59 0.36 0.63 0.79	3922.35 3922.37 3922.37 3922.36 3922.36 3922.37 3922.37 3922.38

#### 2007 GROUNDWATER ELEVATION DATA

#### PLAINS MARKETING, L.P. TNM 97-04 (TOWNSEND) LEA COUNTY, NEW MEXICO NMOCD REFERENCE NÚMBER GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-9	08/15/07	3975.06	52,60	53,05	0.45	3922.39
	08/30/07	3975.06	52,56	53,26	0.70	3922.40
	08/31/07	3975.06	52,56	53.26	0.70	3922.40
	09/10/07	3975.06	52,53	53.34	0.81	3922.41
· -	09/19/07	3975.06	52.53	53.30	0.77	3922.41
	09/27/07	3975.06	52.55	53.15	0.60	3922.42
· · · · ·	10/01/07	3975.06	52.58	52.99	0.41	3922.42
	10/19/07	3975.06	52.50	53.35	0.85	3922,43
	10/26/07	3975.06	52.53	53.15	0.62	3922.44
	11/12/07	3975.06	52.73	53.16	0.43	3922.27
	11/16/07	3975.06	52.62	52.83	0.21	3922.41
	11/29/07	3975.06	52.66	53.01	0.35	3922.35
	12/13/07	3975.06	52.51	53.20	0.69	3922.45
				libali. Manuficial		
MW-10	03/14/07	3975.02	-	52.57	0.00	3922.45
	05/29/07	3975.02	-	52.54	0.00	3922.48
	08/30/07	3975.02	-	52.53	0.00	3922.49
	11/12/07	3975.02	-	52.43	0.00	3922.59
en a gestaller et die						
MW-11	03/14/07	3975.30	-	53.33	0.00	3921.97
	05/29/07	3975.30	-	53.29	0.00	3922.01
	08/30/07	3975.30	-	53.27	0.00	3922.03
	11/12/07	3975.30	-	53.23	0.00	3922.07
MW-12	03/14/07	3974.55	-	52.28	0.00	3922.27
	05/29/07	3974.55	-	52.26	0.00	3922,29
	08/30/07	3974.55	-	52.23	0.00	3922.32
	11/12/07	3974.55	-	52.20	0.00	3922.35
ELENISCE				in prompile (1997) Mary Baylor (1997)		
MW-13	02/09/07	3975.00	Sheen	52.32	0.00	3922.68
	02/23/07	3975.00	-	53.27	0.00	3921.73
	03/14/07	3975.00	-	53.28	0.00	3921.72
	05/29/07	3975.00	-	53.26	0.00	3921.74
	08/30/07	3975.00	-	53.22	0.00	3921.78
	11/12/07	3975.00	-	53.19	0.00	3921.81
MW-14	02/09/07	3976.15	Sheen	54.01	0.00	3922.14
	02/23/07	3976.15	-	53.96	0.00	3922.19
	03/14/07	3976.15	-	53.99	0.00	3922.16
	05/29/07	3976.15	-	53.94	0.00	3922.21
	08/30/07	3976.15	-	53.92	0.00	3922.23
	11/12/07	3976.15	-	53.87	0.00	3922.28
MW-15	02/09/07	3974.69	Sheen	52.87	0.00	3921.82
	02/23/07	3974.69	-	52.80	0.00	3921.89
	03/14/07	3974.69	-	52.81	0.00	3921.88
	05/29/07	3974.69	-	52.79	0.00	3921.90
	08/30/07	3974.69	-	52.77	0.00	3921.92
	11/12/07	3974.69	-	52.73	0.00	3921.96
MW-16	03/14/07	3975.12	-	52.84	0.00	3922.28
	05/29/07	3975.12	-	52.80	0.00	3922.32
	08/30/07	3975.12	-	52.78	0.00	3922.34
	11/12/07	3975.12	-	52.73	0.00	3922.39
n an				17 <b>1</b> 1 1 1 1 1		
RW-1	01/05/07	3970.79	48.05	50.10	2.05	3922.43

#### 2007 GROUNDWATER ELEVATION DATA

#### PLAINS MARKETING, L.P. TNM 97-04 (TOWNSEND) LEA COUNTY, NEW MEXICO

#### NMOCD REFERENCE NUMBER GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW-1	01/12/07	3970.79	48.13	49.70	1.57	3922.42
	01/18/07	3970.79	48.11	49.51	1.40	3922.47
	01/24/07	3970.79	48.18	49.46	1.28	3922.42
	01/29/07	3970.79	48.21	49.33	1.12	3922.41
	02/09/07	3970.79	48.03	48.05	0.02	3922.76
	02/16/07	3970.79	48.10	49.77	1.67	3922.44
	03/02/07	3970.79	48.00	49.82	1.82	3922.52
	03/14/07	3970.79	48.11	49.20	1.09	3922.52
	03/26/07	3970.79	48.09	49.42	1.33	3922.50
	04/03/07	3970.79	47.99	49.80	1.81	3922.53
	04/09/07	3970.79	48.01	49.60	1.59	3922.54
	04/26/07	3970.79	47.96	49.87	1.91	3922.54
	04/30/07	3970.79	48.14	49.05	0.91	3922.51
	05/11/07	3970.79	48.01	49.65	1.64	3922.53
	05/16/07	3970.79	48.14	49.07	0.93	3922.51
	05/22/07	3970.79	48.08	49.03	0.95	3922.57
	05/29/07	3970.79	48.06	49.29	1.23	3922.55
	06/01/07	3970.79	48.00	49.46	1.46	3922.57
	06/08/07	3970.79	48.03	49.37	1.34	3922.56
	06/11/07	3970.79	48.17	49.00	0.83	3922.50
	06/20/07	3970.79	48.00	49.50	1.50	3922.57
	07/10/07	3970.79	48.01	49.56	1.55	3922.55
	07/20/07	3970.79	47.99	49.60	1.61	3922.56
	07/25/07	3970.79	48.04	49.22	1.18	3922.57
	08/01/07	3970.79	48.02	49.24	1.22	3922.59
	08/10/07	3970.79	48.02	49.37	1.35	3922.57
	08/15/07	3970.79	48.03	49.16	1.13	3922.59
	08/30/07	3970.79	47.97	49.61	1.64	3922.57
	08/31/07	3970.79	47.97	49.61	1.64	3922.57
	09/19/07	3970.79	47.92	49.73	1.81	3922.60
	09/27/07	3970.79	47.98	49.39	1.41	3922.60
	10/01/07	3970.79	48.02	49.06	1.04	3922.61
· · · · · · · · · · · · · · · · · · ·	10/19/07	3970.79	47.92	49.62	1.70	3922.62
	10/26/07	3970.79	47.97	49.39	1.42	3922.61
	11/12/07	3970.79	47.93	49.58	1.65	3922.61
	11/16/07	3970.79	47.92	49.31	1.39	3922.66
	11/29/07	3970.79	47.92	50.01	2.09	3922.56
	12/13/07	3970,79	47.90	49.54	1.64	3922.64

#### 2007 CONCENTRATIONS OF BTEX IN GROUNDWATER

#### PLAINS PIPELINE, L.P. TNM 97-04 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

		All Concentrations are reported in mg/L EPA SW 846-8021B, 5030					
SAMPLE	SAMPLE			ETHYL-	m, p -	0 -	
LOCACTION	DATE	BENZENE	TOLUENE	BENZENE	XYLENES	XYLENE	
NMOCD REGULATORY LIMIT		0.01	0.75	0.75	0.62		
MW-2	03/14/07	Not Sampled I	Due to PSH in	Well			
	05/29/07	Not Sampled I					
	08/30/07	Not Sampled I					
	11/12/07	Not Sampled I	Due to PSH in	Well			
			Salah Salah		EXANCE PERMIT	a la de la carectera de la care La carectera de la carectera de	
MW-3	03/14/07	Not Sampled I					
	05/29/07	Not Sampled I					
	08/30/07	Not Sampled I					
	11/12/07	Not Sampled I					
		¥.			Alexandre Alexandre	· · · · · · · · · · · · · · · · · · ·	
MW-4	03/14/07	Not Sampled I					
	05/29/07	Not Sampled I					
	08/30/07	Not Sampled I					
	11/12/07	Not Sampled I					
MW-5	03/14/07	Not Sampled			204. 2		
	05/29/07	Not Sampled					
	08/30/07	Not Sampled I					
	11/12/07	Not Sampled	Due to PSH in	Well			
	11112/01	Not Sampled			14 A A A A A A A		
MW-6	03/14/07	Not Sampled I				A State of the second s	
1/1 // -0	05/29/07	Not Sampled I					
	08/30/07	Not Sampled I					
	11/12/07	Not Sampled I					
	11/12/07						
MW-7	Helly A ACCENT	Not Sampled of			1.2.2.2.1.1.2.2.2.2.2.2.2.2.2.2.2.2.2.2	. dillere.	
1/1 // - /	03/14/07	Not Sampled o				· · · · · · · · · · · · · · · · · · ·	
		Not Sampled o					
	08/30/07	< 0.001	<0.001	0.0062		015	
Rent of a Constanting	11/12/07			0.0062			
2						I Fridation Balance	
MW-9	03/14/07	Not Sampled I					
	05/29/07	Not Sampled I Not Sampled I					
		Not Sampled I					
	11/12/07				abar	* 12 eo Aúdao -	
		Not Sampled			and a second second	5 - 1 States	
MW-10	03/14/07	Not Sampled					
	08/30/07	Not Sampled o					
	11/12/07	< 0.001	<0.001	< 0.001	<0.	001	
Sector States				<u> </u>			
MV 11				<b></b>	and a second sec		
<u>MW-11</u>	03/14/07	Not Sampled of		· · · ·			
·	05/29/07	Not Sampled			<u> </u>		
	08/30/07	Not Sampled				001	
2 . an Commercant on	11/12/07	< 0.001	<0.001	<0.001	<0.		
	02/14/07	1-		hard Cale and L	adit na santa a santa na santa Na sinta na santa na s	and Manute .	
MW-12	03/14/07	Not Sampled					
	05/29/07	Not Sampled					
	08/30/07	Not Sampled					
	<u>11/12/07</u>	<0.001	<0.001	<0.001	<0.		

#### 2007 CONCENTRATIONS OF BTEX IN GROUNDWATER

#### PLAINS PIPELINE, L.P. TNM 97-04 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER GW-0294

		All Concentr	ations are report	ed in mg/L				
		EPA SW 846-8021B, 5030						
SAMPLE LOCACTION	SAMPLE DATE	BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	0 - XYLENES		
NMOCD REGULATORY LIMIT		0.01	0.75	0.75	0.62			
MW-13	03/14/07	0.530 <0.005 0.029		0.0161				
	05/29/07	0.496	< 0.005	< 0.005	< 0.005			
	08/30/07	0.609	< 0.005	0.0201	< 0.005			
	11/12/07	0.350	< 0.005	< 0.005	<0.	005		
	a an		Astronomic and the second	dilata taoppiles ad 143. Printe Sector Strategie				
MW-14	03/14/07	0.194	0.292	0.220	0.751			
	05/29/07	0.212	0.097	0.251	0.807			
	08/30/07	0.129	0.0891	0.211	0.671			
	11/12/07	0.092	0.0249	0.196	0.634			
and the second s								
MW-15	03/14/07	1.820	<0.05	0.144	0.1	38		
·····	05/29/07	3.730	<0.2	<0.2	<0.2			
	08/30/07	2.330	< 0.002	0.184	0.175			
	11/12/07	4.370	<0.05	0.487	0.621			
		Max Meria				Elen al Chi		
MW-16	03/14/07	Not Sampled						
	05/29/07	< 0.001	< 0.001	< 0.001	< 0.001			
	08/30/07	Not Sampled	on Current San					
	11/12/07	< 0.001	<0.001	< 0.001	<0.	001		
		Marian Shifting State		dia mangana kang dia kang dia Kang dia kang				
RW-1	03/14/07		Due to PSH in					
	05/29/07		Due to PSH in					
	08/30/07		Due to PSH in					
	11/12/07		Due to PSH in					
		S STORAGE						

#### All Concentrations are reported in mg/L

# Appendices

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# Appendix A Release Notification and Corrective Action (Form C-141)

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03/02/2005 09:03 4326829719			LINKENERGY				PAGE 03		
DISTRICT I P.O. BOX 1980, HOBES, NM 88241-1980 DISTRICT II P.O. DRAWER DD, ARTESIA, NM 88211-		Energy, Minera	State of New Mexico Energy, Minerals and Natural Resources 1etment OIL CONSERVATION DIVISION				STO		
		OIL CO					PRINTED		
8719	1.41500	3.00		P.O. Box 2	088				
DISTRICT II 2000 Rie Brazo	Rd, Aztec, NM S	NM-97 7410	FOH Santa 1		<del>0</del> 87504-2088	Ini	tel Re	gort	
	NOTI	FICATION C	F FIRE, BREA	KS, SPILLS	, LEAKS, ANI	BLOWC	UTS		
OPERATOR	xico Pipe Line (	Amager	ADDRESS B. O. Berr 60	28, San Angel	TY 76006			PHONE	
REPORT OF	FIRE	BREAK	SPILL	LEAK	BLOWOUT	01	(915)	947-9000	
TYPE OF FACILITY	DRLG WELL	PROD	TANK BTRY	PIPE LINE X	GASO PLANT	OI		ER"	
FACILITY N	ME: 4" gatha	and the second					<u> - 1 </u>		
LOCATION C	F FACILITY F Footage . SW	14 SW14 95	14 SE/4	SEC.	TWP. 165	RCE. 35E	COU? Les	YTY	
DISTANCE A	ND DIRECTIO	N FROM NEAR	EST		<u> </u>		LCa		
		NDMARK 2 m	iles west of Lovingto					····	
DATE AND H OF OCCURRI	OUR INCE Unknow	TL		'E AND HOUR DISCOVER	L April 16, 1997	4:00 p.m.	i.		
WAS IMMED	LATE	YES	NO NOT	<b>RE-</b>	IF YES,				
NOTICE GIV	<u>107</u>	<u> </u>	( QUI	EDX	DATE AND				
WHOM B.D.	Chapman (repo	rted that quantity	may be more than 10	) barrels)	April 25, 199	7 9:00 a.m	······································		
TYPE OF FLUID LOST	Sweet Crud	0	QUANTITY OF LOSS	Unknown (*	see note below)	RECOVER			
DID ANY FLU	the second se	YES	NO	QUANTIT				************	
A WATERCOL	JRSE?		<u> </u>				·		
DESCRIBE CA	USE OF PROE	LEM AND REI	MEDIAL ACTION	IANAN"	4 *				
External Corrosi	on. Leak succes	sfully clamped of	<b>r</b> i setta e	:.					
DESCRIBE AR	EA AFFECTE	AND CLEAN	OP ACTION TAKE	NAA					
		e land. Will rem							
*Originally estin	nated at 10 barre		gation. An amended		issued when quanti	ty is determin	ied,		
DESCRIPTION OF AREA	1	FARMING	GRAZING	URBAN	OTHER*	•			
SURFACE		SANDY	SANDY LOAM	CLAY	ROCKY	WE		SNOT	
CONDITION	TOAN	TTONE BDEN	UING (TEMPER.	ATTIPE DEF	CIPITATION ET	<u> </u>		<u> </u>	
بدأمية - يله حدو وبدلا للعبد بعث		TIOUS LIFE	MUMBER (IRMER	ALUNE INS	ner 773877A1,8 487	~)			
75 degrees, clear								1. j.	
I HEREBY CERT	IFY THAT THE	NFORMATION	NOVE IS TRUE AND	COMPLETE T	O THE BEST OF M	YKNOWLED	GE AND BELIEF	•	
	a a	an <b>i</b>	PRINTED NAME		ò				
SIGNED A	LEL YOU		Edwin H. Gripp, Di	strict Manager	NECTERADY	DATE April	25, 1997		
State Corp.	Commission	<b></b> A1)	LUNE ON KITAN	1.5 L. (7.12.19)	H	zardous Wa			
Pipe Line D					N	VI Environmo	ental Improvem	ent Div.	
TNM-97-04		BDC							
**************************************									