

1R - 386

WORKPLANS

DATE:

Aug. 2009



GROUNDWATER REMEDIATION WORK PLAN

JUNCTION 34 TO LEA STATION

NW ¼, SW ¼, SECTION 21, TOWNSHIP 20 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS SRS NUMBER: 2002-10286
NMOCD Reference 1R-0386

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Environmental Bureau
Oil Conservation Division

Prepared for:

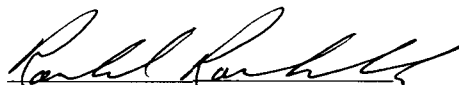
Plains Marketing, L.P.
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Houston, Texas 77002



Prepared by:

NOVA Safety and Environmental
2057 Commerce Drive
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August 2009


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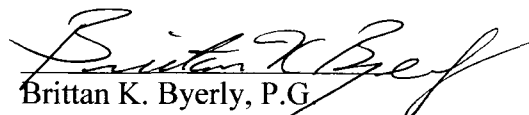

Brittan K. Byerly, P.G.
President

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1.0 INTRODUCTION AND PURPOSE

On behalf of Plains Marketing, L.P. (Plains), NOVA Safety and Environmental (NOVA) has prepared this Groundwater Remediation Work Plan to address the impacted groundwater at the site known as Junction 34 to Lea Station (NMOCD Reference # 1R-0386) in response to the NMOCD correspondence dated April 16, 2009. The purpose of this work plan is to describe recent efforts to reduce the groundwater hydrocarbon concentrations at the site through implementing additional efforts to maximize groundwater extraction.

2.0 SITE DESCRIPTION AND BACKGROUND INFORMATION

The Junction 34 to Lea (2002-10286) Release Site is located approximately 10-miles northwest of Eunice in Lea County, New Mexico. The site is located in the NW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 21, Township 20 South, Range 37 East. A Site Location Map is provided as Figure 1.

The reported release was discovered on November 6, 2002, with approximately 300 barrels of crude oil released with 190 barrels recovered. The release is reported to have been due to internal corrosion of the pipeline. In February 2003, hydrocarbon impacted soil was excavated to a depth of approximately twenty five (25) below ground surface (bgs), which was approximately three to four feet below the groundwater table. The dimensions of the 2003 excavation area measured approximately 120 feet in length (north to south) by 220 feet in width (east to west). In July 2004, a groundwater sparging system consisting of perforated poly-vinyl chloride (PVC) piping attached to an air compressor was installed at the site. The perforated PVC piping was laid in the pools located in the base of the excavation and air was blown through the piping in order to aerate the water to promote hydrocarbon volatilization. In June 2006, a Soil Remediation Work Plan was submitted by Plains and approved in February 2008 by the NMOCD. Soil remediation activities conducted at the site from March through April 2009 consisted of over excavation of the existing floor and sidewalls to concentration limits below NMOCD cleanup standards and the placement of a synthetic liner over the excavation floor area. Upon NMOCD approval, the excavation was backfilled with soil remediated to NMOCD standards. A Soil Closure Request was submitted to the NMOCD in July 2009.

Currently, there are eleven groundwater monitor wells (MW-1 through MW-11) on site. Based on the current groundwater gauging data, no PSH has been observed in any of the on site monitor wells since August 2008. A Site Map with the existing well locations is included as Figure 2.

3.0 SCOPE OF WORK

Plains proposes to continue with quarterly groundwater monitoring and sampling activities and semi-annual monitoring for natural attenuation. Natural attenuation parameters will be analyzed on a semi-annual basis according to the following schedule:

34 Junction to Lea Station Groundwater Sampling and Natural Attenuation Schedule							
	MNA	GW		MNA	GW		
MW-1	Semi-Annual	Quarterly	MW-7	Semi-Annual	Quarterly		
MW-2	Semi-Annual	Quarterly	MW-8	Annual	Quarterly		
MW-3	Semi-Annual	Quarterly	MW-9	Annual	Quarterly		
MW-4	Annual	Annual	MW-10	Semi-Annual	Quarterly		
MW-5	Semi-Annual	Quarterly	MW-11	Annual	Quarterly		
MW-6	Annual	Quarterly					

In addition, Plains will conduct bi-monthly site visits to over pump hydrocarbon impacted groundwater from six monitor wells (MW-1 through MW-3, MW-5, MW-7 and MW-10). Effects of over pumping will be monitored and adjustments will be made to the schedule as data indicates.

4.0 REPORTING

Plains will submit an Annual Monitoring Report to the NMOCD by April 1, 2010.

5.0 LIMITATIONS

NOVA has prepared this Groundwater Remediation Workplan 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.

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 written consent of NOVA and/or Plains.

6.0 DISTRIBUTION

Copy 1: Ed Hansen
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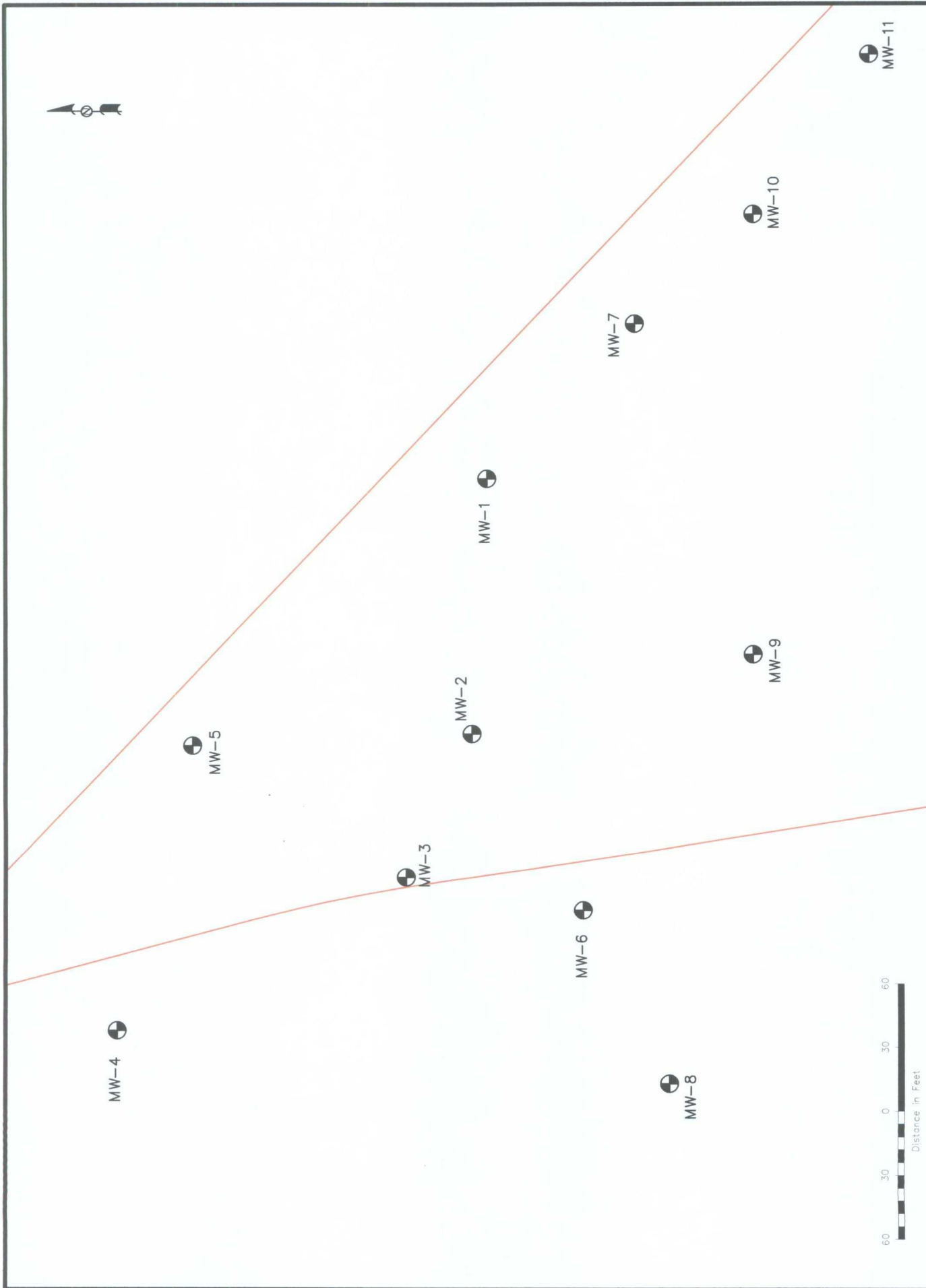
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COPY #

1



Legend:

- Monitor Well Location
- Pipeline

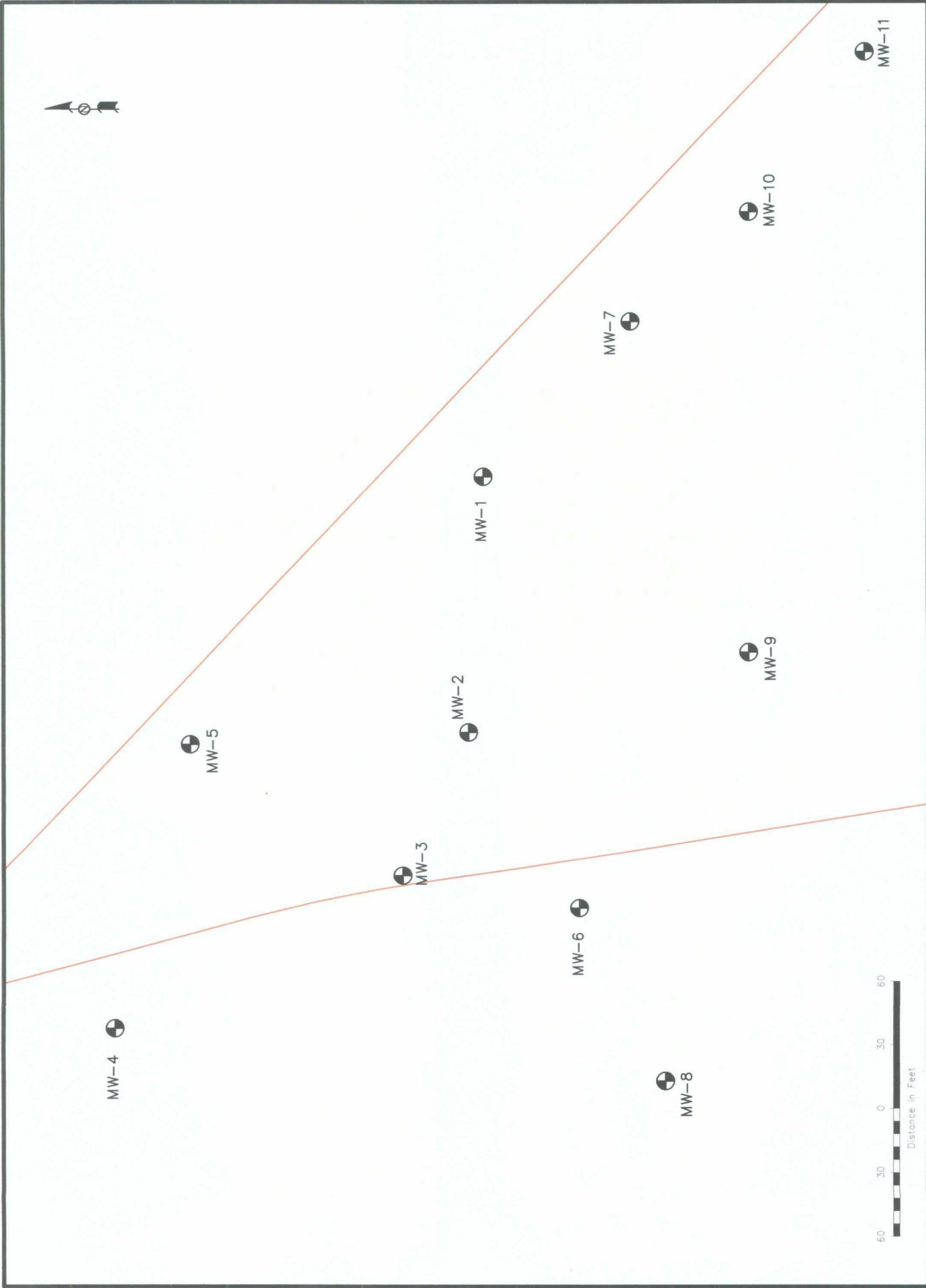
Figure 2
Site Map
Plains Marketing, L.P.
34 Junction to Lee
Line County NM

NMOCB Ref# 1R-034R

NOVA Safety and Environmental

NOVA
Safety and Environmental

Scale: 1" = 60'	CDS By: CDS	Checked By: CDS
August 31, 2008		



Legend:

Monitor Well Location

Pipeline

Figure 2
Site Map

Plains Marketing, L.P.
34 Junction to Lea
Lea County, NM

NMOCB Ref# 1R-0386

NOVA Safety and Environmental

NOVA

Scale: 1" = 60'

August 31, 2009

CAD By: DGC

Checked By: CDB

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 1	02/11/03	3,508.17	-	20.13	0.00	3,488.04
MW - 1	02/27/03	3,508.17	-	19.87	0.00	3,488.30
MW - 1	05/05/04	3,508.17	-	19.66	0.00	3,488.51
MW - 1	05/25/04	3,508.17	-	19.90	0.00	3,488.27
MW - 1	06/03/04	3,508.17	-	19.86	0.00	3,488.31
MW - 1	06/15/04	3,508.17	-	19.89	0.00	3,488.28
MW - 1	07/08/04	3,508.17	-	19.83	0.00	3,488.34
MW - 1	07/26/04	3,508.17	-	19.93	0.00	3,488.24
MW - 1	09/10/04	3,508.17	-	21.16	0.00	3,487.01
MW - 1	09/21/04	3,508.17	-	20.19	0.00	3,487.98
MW - 1	10/04/04	3,508.17	-	19.46	0.00	3,488.71
MW - 1	10/15/04	3,508.17	-	19.44	0.00	3,488.73
MW - 1	11/09/04	3,508.17	-	19.61	0.00	3,488.56
MW - 1	11/16/04	3,508.17	-	19.44	0.00	3,488.73
MW - 1	12/07/04	3,508.17	-	19.37	0.00	3,488.80
MW - 1	12/17/04	3,508.17	-	19.35	0.00	3,488.82
MW - 1	01/10/05	3,508.17	-	19.21	0.00	3,488.96
MW - 1	02/21/05	3,508.17	-	19.06	0.00	3,489.11
MW - 1	03/29/05	3,508.17	-	18.87	0.00	3,489.30
MW - 1	04/22/05	3,508.17	-	18.85	0.00	3,489.32
MW - 1	05/06/05	3,508.17	-	18.74	0.00	3,489.43
MW - 1	05/11/05	3,508.17	-	18.75	0.00	3,489.42
MW - 1	07/19/05	3,508.17	-	18.73	0.00	3,489.44
MW - 1	08/16/05	3,508.17	-	18.63	0.00	3,489.54
MW - 1	10/05/05	3,508.17	-	17.18	0.00	3,490.99
MW - 1	11/15/05	3,508.17	-	18.91	0.00	3,489.26
MW - 1	02/15/06	3,508.17	-	18.53	0.00	3,489.64
MW - 1	03/13/06	3,508.17	-	18.56	0.00	3,489.61
MW - 1	03/22/06		NOT SAMPLED			
MW - 1	05/23/06	3,508.17	-	18.58	0.00	3,489.59
MW - 1	07/20/06	3,508.17	-	18.89	0.00	3,489.28
MW - 1	08/09/06	3,508.17	-	18.76	0.00	3,489.41
MW - 1	10/18/06	3,508.17	-	18.34	0.00	3,489.83
MW - 1	11/27/06	3,508.17	-	18.33	0.00	3,489.84
MW - 1	12/11/06	3,508.17	-	18.35	0.00	3,489.82
MW - 1	01/04/07	3,508.17	-	18.57	0.00	3,489.60
MW - 1	02/16/07	3,508.17	-	18.81	0.00	3,489.36
MW - 1	03/20/07	3,508.17	-	18.14	0.00	3,490.03
MW - 1	06/04/07	3,508.17	-	18.02	0.00	3,490.15
MW - 1	08/22/07	3,508.17	-	18.66	0.00	3,489.51
MW - 1	11/29/07	3,508.17	-	18.38	0.00	3,489.79
MW - 1	02/26/08	3,508.17	-	18.30	0.00	3,489.87
MW - 1	05/22/08	3,508.17		18.28	0.00	3,489.89
MW - 1	08/28/08	3,508.17		18.93	0.00	3,489.24
MW - 1	11/20/08	3,508.17		18.55	0.00	3,489.62
MW - 1	02/16/09	3,508.17	odor	18.42	0.00	3,489.75
MW - 1	05/29/09	3,508.17		18.73	0.00	3,489.44
MW - 1	08/06/09	3,508.17	odor	18.82	0.00	3,489.35

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 2	02/11/03		-	17.25	0.00	
MW - 2	02/27/03		-	19.75	0.00	
MW - 2	05/05/04	3,501.45	-	12.56	0.00	3,488.89
MW - 2	05/25/04	3,501.45	-	12.95	0.00	3,488.50
MW - 2	06/03/04	3,501.45	-	12.80	0.00	3,488.65
MW - 2	06/15/04	3,501.45	-	12.82	0.00	3,488.63
MW - 2	07/08/04	3,501.45	-	12.70	0.00	3,488.75
MW - 2	07/26/04	3,501.45	-	12.78	0.00	3,488.67
MW - 2	09/10/04	3,501.45	-	13.05	0.00	3,488.40
MW - 2	09/21/04	3,501.45	-	13.27	0.00	3,488.18
MW - 2	10/04/04	3,501.45	-	12.11	0.00	3,489.34
MW - 2	10/15/04	3,501.45	-	12.22	0.00	3,489.23
MW - 2	11/09/04	3,501.45	-	12.71	0.00	3,488.74
MW - 2	11/16/04	3,501.45	-	12.19	0.00	3,489.26
MW - 2	12/07/04	3,501.45	-	12.27	0.00	3,489.18
MW - 2	12/17/04	3,501.45	-	12.32	0.00	3,489.13
MW - 2	01/07/05	3,501.45	-	12.13	0.00	3,489.32
MW - 2	02/21/05	3,501.45	-	11.99	0.00	3,489.46
MW - 2	03/29/05	3,501.45	-	11.68	0.00	3,489.77
MW - 2	04/22/05	3,501.45	-	11.75	0.00	3,489.70
MW - 2	05/06/05	3,501.45	-	11.64	0.00	3,489.81
MW - 2	05/11/05	3,501.45	-	11.65	0.00	3,489.80
MW - 2	07/19/05	3,501.45	-	11.62	0.00	3,489.83
MW - 2	08/16/05	3,501.45	-	11.37	0.00	3,490.08
MW - 2	10/05/05	3,501.45	-	11.71	0.00	3,489.74
MW - 2	11/15/05	3,501.45	-	11.55	0.00	3,489.90
MW - 2	02/15/06	3,501.45	-	11.45	0.00	3,490.00
MW - 2	03/13/06	3,501.45	-	11.57	0.00	3,489.88
MW - 2	03/22/06		NOT SAMPLED			
MW - 2	05/23/06	3,501.45	-	11.44	0.00	3,490.01
MW - 2	07/20/06	3,501.45	-	11.77	0.00	3,489.68
MW - 2	08/09/06	3,501.45	-	11.65	0.00	3,489.80
MW - 2	10/18/06	3,501.45	-	11.25	0.00	3,490.20
MW - 2	11/27/06	3,501.45	-	11.31	0.00	3,490.14
MW - 2	12/11/06	3,501.45	-	11.36	0.00	3,490.09
MW - 2	01/04/07	3,501.45	-	11.29	0.00	3,490.16
MW - 2	02/16/07	3,501.45	-	11.11	0.00	3,490.34
MW - 2	03/20/07	3,501.45	-	11.04	0.00	3,490.41
MW - 2	06/04/07	3,501.45	-	10.92	0.00	3,490.53
MW - 2	08/22/07	3,501.45	-	11.57	0.00	3,489.88
MW - 2	11/29/07	3,501.45	-	11.30	0.00	3,490.15
MW - 2	02/26/08	3,501.45	-	11.17	0.00	3,490.28
MW - 2	05/22/08	3,501.45	-	11.18	0.00	3,490.27
MW - 2	08/28/08	3,501.45	-	12.93	0.00	3,488.52
MW - 2	11/20/08	3,501.45	-	11.46	0.00	3,489.99
MW - 2	02/16/09	3,501.45	odor	11.31	0.00	3,490.14
MW - 2	05/29/09	3,501.45	odor	19.72	0.00	3,481.73
MW - 2	06/11/09	3,501.45	odor	19.83	0.00	3,481.62
MW - 2	06/18/09	3,501.45	odor	19.89	0.00	3,481.56
MW - 2	06/25/09	3,501.45	odor	19.49	0.00	3,481.96

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 2	07/02/09	3,501.45	odor	20.19	0.00	3,481.26
MW - 2	07/09/09	3,501.45	odor	19.85	0.00	3,481.60
MW - 2	07/13/09	3,501.45	odor	19.86	0.00	3,481.59
MW - 2	07/24/09	3,501.45	odor	20.18	0.00	3,481.27
MW - 2	07/29/09	3,501.45	odor	20.19	0.00	3,481.26
MW - 2	07/31/09	3,501.45	odor	20.20	0.00	3,481.25
MW - 2	08/06/09	3,501.45	odor	20.22	0.00	3,481.23
MW - 2	08/13/09	3,501.45	odor	20.22	0.00	3,481.23
MW - 2	08/21/09	3,501.45	odor	20.23	0.00	3,481.22
MW - 3	02/11/03		17.10	17.77	0.67	
MW - 3	02/27/03		16.64	19.15	2.51	
MW - 3	03/19/03		16.63	19.50	2.87	
MW - 3	04/03/03		16.65	19.47	2.82	
MW - 3	04/11/03		16.65	19.48	2.83	
MW - 3	04/21/03		16.62	18.98	2.36	
MW - 3	04/30/03	3,495.97	6.98	8.67	1.69	3,488.74
MW - 3	05/05/03	3,495.97	6.93	8.63	1.70	3,488.79
MW - 3	06/18/03	3,495.97	7.24	8.15	0.91	3,488.59
MW - 3	07/09/03	3,495.97	7.49	8.18	0.69	3,488.38
MW - 3	07/21/03	3,495.97	7.49	8.19	0.70	3,488.38
MW - 3	08/12/03	3,495.97	7.50	8.20	0.70	3,488.37
MW - 3	08/18/03	3,495.97	7.47	8.19	0.72	3,488.39
MW - 3	09/03/03	3,495.97	7.96	8.52	0.56	3,487.93
MW - 3	09/19/03	3,495.97	7.97	8.51	0.54	3,487.92
MW - 3	10/02/03	3,495.97	7.95	8.50	0.55	3,487.94
MW - 3	11/03/03	3,495.97	8.15	8.65	0.50	3,487.75
MW - 3	11/13/03	3,495.97	8.14	8.51	0.37	3,487.77
MW - 3	11/25/03	3,495.97	8.15	8.50	0.35	3,487.77
MW - 3	12/02/03	3,495.97	8.15	8.20	0.05	3,487.81
MW - 3	12/10/03	3,495.97	8.13	8.16	0.03	3,487.84
MW - 3	01/02/04	3,495.97	8.05	8.08	0.03	3,487.92
MW - 3	01/30/04	3,495.97	8.22	8.24	0.02	3,487.75
MW - 3	02/06/04	3,495.97	8.23	8.24	0.01	3,487.74
MW - 3	05/05/04	3,495.97	-	7.16	0.00	3,488.81
MW - 3	05/25/04	3,495.97	9.92	9.94	0.02	3,486.05
MW - 3	06/03/04	3,495.97	-	9.84	0.00	3,486.13
MW - 3	06/15/04	3,495.97	-	9.73	0.00	3,486.24
MW - 3	07/08/04	3,495.97	-	9.70	0.00	3,486.27
MW - 3	07/26/04	3,495.97	-	9.73	0.00	3,486.24
MW - 3	09/10/04	3,495.97	-	10.18	0.00	3,485.79
MW - 3	09/21/04	3,495.97	-	10.11	0.00	3,485.86
MW - 3	10/04/04	3,495.97	-	9.25	0.00	3,486.72
MW - 3	10/15/04	3,495.97	9.13	9.16	0.03	3,486.84
MW - 3	11/09/04	3,495.97	-	9.60	0.00	3,486.37
MW - 3	11/16/04	3,495.97	-	6.15	0.00	3,489.82
MW - 3	12/07/04	3,495.97	-	9.18	0.00	3,486.79
MW - 3	12/17/04	3,495.97	-	9.36	0.00	3,486.61
MW - 3	01/07/05	3,495.97	-	9.22	0.00	3,486.75
MW - 3	02/21/05	3,495.97	-	9.00	0.00	3,486.97

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 3	03/29/05	3,495.97	-	8.65	0.00	3,487.32
MW - 3	04/22/05	3,495.97	-	8.80	0.00	3,487.17
MW - 3	05/06/05	3,495.97	-	8.96	0.00	3,487.01
MW - 3	05/11/05	3,495.97	-	8.91	0.00	3,487.06
MW - 3	07/19/05	3,495.97	8.54	8.55	0.01	3,487.43
MW - 3	08/16/05	3,495.97	-	8.50	0.00	3,487.47
MW - 3	10/05/05	3,495.97	Sheen	8.65	0.00	3,487.32
MW - 3	11/15/05	3,495.97	Sheen	8.46	0.00	3,487.51
MW - 3	02/15/06	3,495.97	-	5.46	0.00	3,490.51
MW - 3	03/13/06	3,495.97	-	9.20	0.00	3,486.77
MW - 3	03/22/06	3,495.97	NOT SAMPLED			
MW - 3	05/23/06	3,495.97	-	8.52	0.00	3,487.45
MW - 3	07/20/06	3,495.97	-	8.85	0.00	3,487.12
MW - 3	08/09/06	3,495.97	NOT SAMPLED			
MW - 3	10/18/06	3,495.97	-	8.65	0.00	3,487.32
MW - 3	11/27/06	3,495.97	-	8.81	0.00	3,487.16
MW - 3	12/11/06	3,495.97	-	9.19	0.00	3,486.78
MW - 3	01/04/07	3,495.97	-	8.21	0.00	3,487.76
MW - 3	02/16/07	3,495.97		8.01	0.00	3,487.96
MW - 3	03/20/07	3,495.97	-	7.89	0.00	3,488.08
MW - 3	06/04/07	3,495.97	-	7.78	0.00	3,488.19
MW - 3	08/22/07	3,495.97	8.44	8.48	0.04	3,487.52
MW - 3	10/10/07	3,495.97	Sheen	8.32	0.00	3,487.65
MW - 3	11/29/07	3,495.97	Sheen	8.29	0.00	3,487.68
MW - 3	02/26/08	3,495.97	-	8.34	0.00	3,487.63
MW - 3	04/25/08	3,495.97	Sheen	8.34	0.00	3,487.63
MW - 3	05/22/08	3,495.97			0.00	3,495.97
MW - 3	08/19/08	3,495.97		8.44	0.00	3,487.53
MW - 3	08/28/08	3,495.97	8.72	8.74	0.02	3,487.25
MW - 3	09/12/08	3,495.97	odor	8.38	0.00	3,487.59
MW - 3	09/25/08	3,495.97	odor	8.54	0.00	3,487.43
MW - 3	09/30/08	3,495.97	odor	8.60	0.00	3,487.37
MW - 3	10/09/08	3,495.97	odor	8.55	0.00	3,487.42
MW - 3	10/23/08	3,495.97	odor	8.37	0.00	3,487.60
MW - 3	10/28/08	3,495.97	odor	8.40	0.00	3,487.57
MW - 3	11/20/08	3,495.97	odor	8.50	0.00	3,487.47
MW - 3	12/03/08	3,495.97	odor	8.73	0.00	3,487.24
MW - 3	12/16/08	3,495.97	odor	8.31	0.00	3,487.66
MW - 3	12/19/08	3,495.97	odor	8.31	0.00	3,487.66
MW - 3	12/29/08	3,495.97	odor		0.00	3,495.97
MW - 3	01/07/09	3,495.97	odor	8.30	0.00	3,487.67
MW - 3	02/16/09	3,495.97	odor	8.29	0.00	3,487.68
MW - 3	05/29/09	3,495.97	odor	20.26	0.00	3,475.71
MW - 3	06/11/09	3,495.97	odor	20.35	0.00	3,475.62
MW - 3	06/18/09	3,495.97	odor	20.42	0.00	3,475.55
MW - 3	06/25/09	3,495.97	odor	20.66	0.00	3,475.31
MW - 3	07/02/09	3,495.97	odor	20.80	0.00	3,475.17
MW - 3	07/09/09	3,495.97	odor	20.37	0.00	3,475.60
MW - 3	07/13/09	3,495.97	odor	20.39	0.00	3,475.58
MW - 3	07/24/09	3,495.97	odor	20.88	0.00	3,475.09

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 3	07/29/09	3,495.97	odor	20.78	0.00	3,475.19
MW - 3	07/31/09	3,495.97	odor	20.81	0.00	3,475.16
MW - 3	08/06/09	3,495.97	odor	20.80	0.00	3,475.17
MW - 3	08/13/09	3,495.97	odor	20.85	0.00	3,475.12
MW - 3	08/21/09	3,495.97	odor	21.00	0.00	3,474.97
MW - 4	05/25/04	3,509.01	-	20.16	0.00	3,488.85
MW - 4	06/03/04	3,509.01	-	19.13	0.00	3,489.88
MW - 4	06/15/04	3,509.01	-	19.13	0.00	3,489.88
MW - 4	07/08/04	3,509.01	-	19.06	0.00	3,489.95
MW - 4	07/26/04	3,509.01	-	19.21	0.00	3,489.80
MW - 4	09/10/04	3,509.01	-	19.46	0.00	3,489.55
MW - 4	09/21/04	3,509.01	-	19.35	0.00	3,489.66
MW - 4	10/04/04	3,509.01	-	19.35	0.00	3,489.66
MW - 4	10/15/04	3,509.01	-	18.81	0.00	3,490.20
MW - 4	11/09/04	3,509.01	-	18.89	0.00	3,490.12
MW - 4	11/16/04	3,509.01	-	18.83	0.00	3,490.18
MW - 4	12/07/04	3,509.01	-	18.70	0.00	3,490.31
MW - 4	12/17/04	3,509.01	-	18.71	0.00	3,490.30
MW - 4	01/07/05	3,509.01	-	18.48	0.00	3,490.53
MW - 4	02/21/05	3,509.01	-	18.27	0.00	3,490.74
MW - 4	03/29/05	3,509.01	-	18.02	0.00	3,490.99
MW - 4	04/22/05	3,509.01	-	18.07	0.00	3,490.94
MW - 4	05/06/05	3,509.01	-	17.94	0.00	3,491.07
MW - 4	05/11/05	3,509.01	-	17.96	0.00	3,491.05
MW - 4	07/19/05	3,509.01	-	18.13	0.00	3,490.88
MW - 4	08/16/05	3,509.01	-	18.21	0.00	3,490.80
MW - 4	10/05/05	3,509.01	-	18.14	0.00	3,490.87
MW - 4	11/15/05	3,509.01	-	17.91	0.00	3,491.10
MW - 4	02/15/06	3,509.01	-	17.76	0.00	3,491.25
MW - 4	03/13/06	3,509.01	-	17.80	0.00	3,491.21
MW - 4	03/22/06	3,509.01	NOT SAMPLED			
MW - 4	05/23/06	3,509.01	-	17.84	0.00	3,491.17
MW - 4	07/20/06	3,509.01	-	18.26	0.00	3,490.75
MW - 4	08/09/06	3,509.01	NOT SAMPLED			
MW - 4	10/18/06	3,509.01	-	17.64	0.00	3,491.37
MW - 4	11/27/06	3,509.01	-	17.66	0.00	3,491.35
MW - 4	01/04/07	3,509.01	-	17.57	0.00	3,491.44
MW - 4	02/16/07	3,509.01	-	17.42	0.00	3,491.59
MW - 4	03/20/07	3,509.01	-	17.29	0.00	3,491.72
MW - 4	06/04/07	3,509.01	-	17.19	0.00	3,491.82
MW - 4	08/22/07	3,509.01	-	17.94	0.00	3,491.07
MW - 4	11/29/07	3,509.01	-	17.63	0.00	3,491.38
MW - 4	02/26/08	3,509.01	-	17.48	0.00	3,491.53
MW - 4	05/22/08	3,509.01		17.42	0.00	3,491.59
MW - 4	08/28/08	3,509.01		18.21	0.00	3,490.80
MW - 4	11/20/08	3,509.01		17.74	0.00	3,491.27
MW - 4	02/16/09	3,509.01		17.57	0.00	3,491.44
MW - 4	05/29/09	3,509.01		19.26	0.00	3,489.75
MW - 4	08/06/09	3,509.01		19.74	0.00	3,489.27

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 5	05/25/04	3,508.74	-	20.08	0.00	3,488.66
MW - 5	06/03/04	3,508.74	-	20.00	0.00	3,488.74
MW - 5	06/15/04	3,508.74	-	20.03	0.00	3,488.71
MW - 5	07/08/04	3,508.74	-	19.93	0.00	3,488.81
MW - 5	07/26/04	3,508.74	-	20.06	0.00	3,488.68
MW - 5	09/10/04	3,508.74	-	20.26	0.00	3,488.48
MW - 5	09/21/04	3,508.74	-	20.34	0.00	3,488.40
MW - 5	10/04/04	3,508.74	-	19.55	0.00	3,489.19
MW - 5	10/15/04	3,508.74	-	19.52	0.00	3,489.22
MW - 5	11/09/04	3,508.74	-	19.67	0.00	3,489.07
MW - 5	11/16/04	3,508.74	-	19.41	0.00	3,489.33
MW - 5	12/07/04	3,508.74	-	19.45	0.00	3,489.29
MW - 5	12/17/04	3,508.74	-	19.44	0.00	3,489.30
MW - 5	01/07/05	3,508.74	-	19.30	0.00	3,489.44
MW - 5	02/21/05	3,508.74	-	19.11	0.00	3,489.63
MW - 5	03/29/05	3,508.74	-	18.86	0.00	3,489.88
MW - 5	04/22/05	3,508.74	-	18.91	0.00	3,489.83
MW - 5	05/06/05	3,508.74	-	18.89	0.00	3,489.85
MW - 5	05/11/05	3,508.74	-	18.80	0.00	3,489.94
MW - 5	07/19/05	3,508.74	-	19.92	0.00	3,488.82
MW - 5	08/16/05	3,508.74	-	18.81	0.00	3,489.93
MW - 5	10/05/05	3,508.74	-	18.90	0.00	3,489.84
MW - 5	11/15/05	3,508.74	-	18.75	0.00	3,489.99
MW - 5	02/15/06	3,508.74	-	18.62	0.00	3,490.12
MW - 5	03/13/06	3,508.74	-	18.62	0.00	3,490.12
MW - 5	03/22/06	3,508.74	NOT SAMPLED			
MW - 5	05/23/06	3,508.74	-	18.71	0.00	3,490.03
MW - 5	07/20/06	3,508.74	-	19.05	0.00	3,489.69
MW - 5	08/09/06	3,508.74	-	18.92	0.00	3,489.82
MW - 5	10/18/06	3,508.74	-	18.45	0.00	3,490.29
MW - 5	11/27/06	3,508.74	-	18.45	0.00	3,490.29
MW - 5	12/11/06	3,508.74	-	18.46	0.00	3,490.28
MW - 5	01/04/07	3,508.74	-	18.46	0.00	3,490.28
MW - 5	02/16/07	3,508.74	-	18.24	0.00	3,490.50
MW - 5	03/20/07	3,508.74	-	18.24	0.00	3,490.50
MW - 5	06/04/07	3,508.74	-	18.10	0.00	3,490.64
MW - 5	08/22/07	3,508.74	-	18.81	0.00	3,489.93
MW - 5	11/29/07	3,508.74	-	18.49	0.00	3,490.25
MW - 5	02/26/08	3,508.74	-	18.39	0.00	3,490.35
MW - 5	05/22/08	3,508.74	-	18.40	0.00	3,490.34
MW - 5	08/28/08	3,508.74	-	19.03	0.00	3,489.71
MW - 5	11/20/08	3,508.74	-	18.64	0.00	3,490.10
MW - 5	02/16/09	3,508.74	odor	18.49	0.00	3,490.25
MW - 5	05/29/09	3,508.74	-	19.14	0.00	3,489.60
MW - 5	08/06/09	3,508.74	-	19.57	0.00	3,489.17
MW - 6	05/25/04	3,509.76	-	21.76	0.00	3,488.00
MW - 6	06/03/04	3,509.76	-	21.63	0.00	3,488.13
MW - 6	06/15/04	3,509.76	-	21.65	0.00	3,488.11

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 6	07/08/04	3,509.76	-	21.55	0.00	3,488.21
MW - 6	07/26/04	3,509.76	-	21.67	0.00	3,488.09
MW - 6	09/10/04	3,509.76	-	22.06	0.00	3,487.70
MW - 6	09/21/04	3,509.76	-	22.25	0.00	3,487.51
MW - 6	10/04/04	3,509.76	-	21.39	0.00	3,488.37
MW - 6	10/15/04	3,509.76	-	21.25	0.00	3,488.51
MW - 6	11/09/04	3,509.76	-	21.46	0.00	3,488.30
MW - 6	11/16/04	3,509.76	-	21.27	0.00	3,488.49
MW - 6	12/07/04	3,509.76	-	21.23	0.00	3,488.53
MW - 6	12/17/04	3,509.76	-	21.29	0.00	3,488.47
MW - 6	01/07/05	3,509.76	-	21.07	0.00	3,488.69
MW - 6	02/21/05	3,509.76	-	20.91	0.00	3,488.85
MW - 6	03/29/05	3,509.76	-	20.68	0.00	3,489.08
MW - 6	04/22/05	3,509.76	-	20.74	0.00	3,489.02
MW - 6	05/06/05	3,509.76	-	20.59	0.00	3,489.17
MW - 6	05/11/05	3,509.76	-	20.60	0.00	3,489.16
MW - 6	07/19/05	3,509.76	-	20.60	0.00	3,489.16
MW - 6	08/16/05	3,509.76	-	20.62	0.00	3,489.14
MW - 6	10/05/05	3,509.76	-	20.65	0.00	3,489.11
MW - 6	11/15/05	3,509.76	-	20.50	0.00	3,489.26
MW - 6	02/15/06	3,509.76	-	20.35	0.00	3,489.41
MW - 6	03/13/06	3,509.76	-	20.36	0.00	3,489.40
MW - 6	03/22/06	3,509.76	NOT SAMPLED			
MW - 6	05/23/06	3,509.76	-	20.32	0.00	3,489.44
MW - 6	07/20/06	3,509.76	-	20.63	0.00	3,489.13
MW - 6	08/09/06	3,509.76	-	20.50	0.00	3,489.26
MW - 6	10/18/06	3,509.76	-	20.08	0.00	3,489.68
MW - 6	11/27/06	3,509.76	-	20.06	0.00	3,489.70
MW - 6	12/11/06	3,509.76	-	36.60	0.00	3,473.16
MW - 6	01/04/06	3,509.76	-	20.17	0.00	3,489.59
MW - 6	02/16/07	3,509.76	-	19.89	0.00	3,489.87
MW - 6	03/20/07	3,509.76	-	19.82	0.00	3,489.94
MW - 6	06/04/07	3,509.76	-	19.75	0.00	3,490.01
MW - 6	08/22/07	3,509.76	-	20.38	0.00	3,489.38
MW - 6	11/29/07	3,509.76	-	20.11	0.00	3,489.65
MW - 6	02/26/08	3,509.76	-	20.01	0.00	3,489.75
MW - 6	05/22/08	3,509.76		19.92	0.00	3,489.84
MW - 6	08/28/08	3,509.76		20.69	0.00	3,489.07
MW - 6	11/20/08	3,509.76		20.24	0.00	3,489.52
MW - 6	02/16/09	3,509.76		20.09	0.00	3,489.67
MW - 6	05/29/09	3,509.76		20.59	0.00	3,489.17
MW - 6	08/06/09	3,509.76		21.07	0.00	3,488.69
MW - 7	05/25/04	3,507.38	-	19.37	0.00	3,488.01
MW - 7	06/03/04	3,507.38	-	19.37	0.00	3,488.01
MW - 7	06/15/04	3,507.38	-	19.40	0.00	3,487.98
MW - 7	07/08/04	3,507.38	-	19.36	0.00	3,488.02
MW - 7	07/26/04	3,507.38	-	19.49	0.00	3,487.89
MW - 7	09/10/06	3,507.38	-	19.67	0.00	3,487.71
MW - 7	09/21/04	3,507.38	-	19.75	0.00	3,487.63

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 7	10/04/04	3,507.38	-	19.25	0.00	3,488.13
MW - 7	10/15/04	3,507.38	-	19.07	0.00	3,488.31
MW - 7	11/09/04	3,507.38	-	19.09	0.00	3,488.29
MW - 7	11/16/04	3,507.38	-	19.10	0.00	3,488.28
MW - 7	12/07/04	3,507.38	-	18.94	0.00	3,488.44
MW - 7	12/17/04	3,507.38	-	18.89	0.00	3,488.49
MW - 7	01/07/05	3,507.38	-	18.79	0.00	3,488.59
MW - 7	02/21/05	3,507.38	-	18.57	0.00	3,488.81
MW - 7	03/29/05	3,507.38	-	18.23	0.00	3,489.15
MW - 7	04/22/05	3,507.38	-	18.33	0.00	3,489.05
MW - 7	05/06/05	3,507.38	-	18.23	0.00	3,489.15
MW - 7	05/11/05	3,507.38	-	18.24	0.00	3,489.14
MW - 7	07/19/05	3,507.38	-	18.24	0.00	3,489.14
MW - 7	08/16/05	3,507.38	-	18.35	0.00	3,489.03
MW - 7	10/05/05	3,507.38	-	18.25	0.00	3,489.13
MW - 7	11/15/05	3,507.38	-	18.14	0.00	3,489.24
MW - 7	02/15/06	3,507.38	-	18.04	0.00	3,489.34
MW - 7	03/13/06	3,507.38	-	18.05	0.00	3,489.33
MW - 7	03/22/06	3,507.38	NOT SAMPLED			
MW - 7	05/23/06	3,507.38	-	18.09	0.00	3,489.29
MW - 7	07/20/06	3,507.38	-	18.45	0.00	3,488.93
MW - 7	08/09/06	3,507.38	-	18.27	0.00	3,489.11
MW - 7	10/18/06	3,507.38	-	17.86	0.00	3,489.52
MW - 7	11/27/06	3,507.38	-	17.82	0.00	3,489.56
MW - 7	12/11/06	3,507.38	-	29.80	0.00	3,477.58
MW - 7	01/04/07	3,507.38	-	17.77	0.00	3,489.61
MW - 7	02/16/07	3,507.38	-	17.69	0.00	3,489.69
MW - 7	03/20/07	3,507.38	-	17.66	0.00	3,489.72
MW - 7	06/04/07	3,507.38	-	17.53	0.00	3,489.85
MW - 7	08/22/07	3,507.38	-	18.18	0.00	3,489.20
MW - 7	11/29/07	3,507.38	-	17.89	0.00	3,489.49
MW - 7	02/26/08	3,507.38	-	17.79	0.00	3,489.59
MW - 7	05/22/08	3,507.38		17.76	0.00	3,489.62
MW - 7	08/28/08	3,507.38		18.49	0.00	3,488.89
MW - 7	11/20/08	3,507.38		18.04	0.00	3,489.34
MW - 7	02/16/09	3,507.38		17.91	0.00	3,489.47
MW - 7	05/29/09	3,507.38	odor	17.93	0.00	3,489.45
MW - 7	08/06/09	3,507.38	odor	18.33	0.00	3,489.05
MW - 8	03/16/06		WELL INSTALLED 3/16/2006			
MW - 8	03/22/06	3,512.14	-	22.87	0.00	3,489.27
MW - 8	05/23/06	3,512.14	-	23.23	0.00	3,488.91
MW - 8	07/20/06	3,512.14	-	23.62	0.00	3,488.52
MW - 8	08/09/06	3,512.14	-	23.48	0.00	3,488.66
MW - 8	10/18/06	3,512.14	-	23.04	0.00	3,489.10
MW - 8	11/27/06	3,512.14	-	23.00	0.00	3,489.14
MW - 8	12/11/06	3,512.14	-	23.00	0.00	3,489.14
MW - 8	01/04/07	3,512.14	-	22.92	0.00	3,489.22
MW - 8	02/16/07	3,512.14	-	22.81	0.00	3,489.33
MW - 8	03/20/07	3,512.14	-	22.77	0.00	3,489.37

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 8	06/04/07	3,512.14	-	22.66	0.00	3,489.48
MW - 8	08/22/07	3,512.14	-	23.34	0.00	3,488.80
MW - 8	11/29/07	3,512.14	-	23.04	0.00	3,489.10
MW - 8	02/26/08	3,512.14	-	22.88	0.00	3,489.26
MW - 8	05/22/08	3,512.14		22.84	0.00	3,489.30
MW - 8	08/28/08	3,512.14		23.58	0.00	3,488.56
MW - 8	11/20/08	3,512.14		23.15	0.00	3,488.99
MW - 8	02/16/09	3,512.14		22.98	0.00	3,489.16
MW - 8	05/29/09	3,512.14		22.92	0.00	3,489.22
MW - 8	08/06/09	3,512.14		23.41	0.00	3,488.73
WELL INSTALLED 3/16/2006						
MW - 9	03/16/06					
MW - 9	03/22/06	3,509.34	-	21.07	0.00	3,488.27
MW - 9	05/23/06	3,509.34	-	21.42	0.00	3,487.92
MW - 9	07/20/06	3,509.34	-	21.81	0.00	3,487.53
MW - 9	08/09/06	3,509.34	-	21.61	0.00	3,487.73
MW - 9	10/18/06	3,509.34	-	21.31	0.00	3,488.03
MW - 9	11/27/06	3,509.34	-	21.16	0.00	3,488.18
MW - 9	12/11/06	3,509.34	-	21.23	0.00	3,488.11
MW - 9	01/04/07	3,509.34	-	21.11	0.00	3,488.23
MW - 9	02/16/07	3,509.34	-	20.99	0.00	3,488.35
MW - 9	03/20/07	3,509.34	-	20.94	0.00	3,488.40
MW - 9	06/04/07	3,509.34	-	20.87	0.00	3,488.47
MW - 9	08/22/07	3,509.34	-	21.50	0.00	3,487.84
MW - 9	11/29/07	3,509.34	-	21.19	0.00	3,488.15
MW - 9	02/26/08	3,509.34	-	21.08	0.00	3,488.26
MW - 9	05/22/08	3,509.34		21.10	0.00	3,488.24
MW - 9	08/28/08	3,509.34		21.74	0.00	3,487.60
MW - 9	11/20/08	3,509.34		21.36	0.00	3,487.98
MW - 9	02/16/09	3,509.34		21.12	0.00	3,488.22
MW - 9	05/29/09	3,509.34		21.17	0.00	3,488.17
MW - 9	08/06/09	3,509.34		21.59	0.00	3,487.75
WELL INSTALLED 3/16/2006						
MW - 10	03/16/06					
MW - 10	03/22/06	3,506.66	-	18.22	0.00	3,488.44
MW - 10	05/23/06	3,506.66	-	18.57	0.00	3,488.09
MW - 10	07/20/06	3,506.66	-	18.98	0.00	3,487.68
MW - 10	08/09/06	3,506.66	-	18.78	0.00	3,487.88
MW - 10	10/18/06	3,506.66	-	18.37	0.00	3,488.29
MW - 10	11/27/06	3,506.66	-	18.30	0.00	3,488.36
MW - 10	12/11/06	3,506.66	-	18.33	0.00	3,488.33
MW - 10	01/04/07	3,506.66	-	18.28	0.00	3,488.38
MW - 10	02/16/07	3,506.66	-	18.16	0.00	3,488.50
MW - 10	03/20/07	3,506.66	-	18.10	0.00	3,488.56
MW - 10	06/04/07	3,506.66	-	18.04	0.00	3,488.62
MW - 10	08/22/07	3,506.66	-	18.73	0.00	3,487.93
MW - 10	11/29/07	3,506.66	-	18.40	0.00	3,488.26
MW - 10	02/26/08	3,506.66	-	18.30	0.00	3,488.36
MW - 10	05/22/08	3,506.66		18.28	0.00	3,488.38

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
 34 Junction to Lea
 Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 10	08/28/08	3,506.66		19.01	0.00	3,487.65
MW - 10	11/20/08	3,506.66		18.57	0.00	3,488.09
MW - 10	02/16/09	3,506.66	odor	18.42	0.00	3,488.24
MW - 10	05/29/09	3,506.66		18.47	0.00	3,488.19
MW - 10	08/06/09	3,506.66		18.84	0.00	3,487.82
MW - 11	08/22/07		-	20.71	0.00	
MW - 11	11/29/07		-	20.35	0.00	
MW - 11	02/26/08		-	20.24	0.00	
MW - 11	05/22/08			20.17	0.00	
MW - 11	08/28/08			20.85	0.00	
MW - 11	11/20/08			20.51	0.00	
MW - 11	02/16/09			20.36	0.00	
MW - 11	05/29/09			20.46	0.00	
MW - 11	08/06/09			20.83	0.00	

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

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

34 JUNCTION TO LEA

LEA COUNTY, NEW MEXICO

NMOCD Reference Number 1R-0386

Sample Location	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylenes (mg/L)	o-Xylene (mg/L)
NMOCD Regulatory Limit		0.01 (mg/L)	0.75 (mg/L)	0.75 (mg/L)	0.62 (mg/L)	
MW - 1	02/27/03	0.0018	0.11	0.8760	0.7560	
MW - 1	05/05/04	1.070	0.00492	0.5830	0.2324	
MW - 1	07/26/04	1.260	0.00236	0.8980	0.5995	
MW - 1	10/04/04	1.090	0.00243	0.7850	0.5090	
MW - 1	12/17/04	2.960	0.00777	1.520	0.8910	
MW - 1	03/29/05	2.720	<0.005	1.880	0.3314	
MW - 1	05/11/05	2.030	<0.005	1.780	0.2630	
MW - 1	08/16/05	3.290	<0.005	2.390	0.4910	
MW - 1	11/15/05	1.240	<0.001	1.340	0.1140	
MW - 1	02/15/06	1.390	<0.001	1.290	<0.002	
MW - 1	05/23/06	1.720	0.00294	1.530	0.3379	
MW - 1	08/09/06	1.090	<0.01	0.694	0.1220	
MW - 1	11/27/06	1.000	<0.01	0.733	0.1250	
MW - 1	03/20/07	0.720	<0.01	0.730	0.118	
MW - 1	06/04/07	0.346	<0.05	0.568	<0.05	
MW - 1	08/22/07	0.819	<0.05	1.040	0.197	
MW - 1	11/29/07	0.803	0.0109	0.977	0.230	
MW - 1	02/26/08	0.870	<0.01	0.770	0.195	
MW - 1	05/22/08	0.463	<0.0100	0.485	0.102	
MW - 1	08/28/08	0.504	<0.005	0.490	0.113	
MW - 1	11/20/08	0.585	<0.005	0.468	0.142	
MW - 1	02/16/09	0.303	<0.005	0.216	0.0463	
MW - 1	05/29/09	0.421	<0.001	0.444	0.1640	
MW - 1	08/06/09	0.304	<0.001	0.283	0.1030	
MW - 2	02/27/03	2.3900	0.474	0.8070	0.876	
MW - 2	05/05/04	3.4300	0.0104	0.7460	0.32318	
MW - 2	07/26/04	6.0200	0.00342	1.7400	0.9257	
MW - 2	10/04/04	2.3400	<0.005	1.3800	0.261	
MW - 2	12/17/04	1.8800	<0.002	0.5740	0.16109	
MW - 2	03/29/05	2.6600	0.0273	1.0800	0.656	
MW - 2	05/11/05	1.0600	0.00253	0.8130	0.0768	
MW - 2	08/16/05	1.7400	<0.002	0.8700	0.233	
MW - 2	11/15/05	0.0668	<0.001	0.0729	0.0113	
MW - 2	02/15/06	0.0337	<0.001	0.1470	0.0341	
MW - 2	05/23/06	1.5300	0.00229	0.3810	0.19861	
MW - 2	08/09/06	1.4600	<0.01	0.3260	0.178	
MW - 2	11/27/06	0.3900	<0.005	0.1060	0.0518	
MW - 2	03/20/07	0.5600	<0.001	0.7170	0.4480	
MW - 2	06/04/07	<0.1	<0.1	0.4620	<0.01	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

34 JUNCTION TO LEA

LEA COUNTY, NEW MEXICO

NMOCD Reference Number 1R-0386

Sample Location	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylenes (mg/L)	o-Xylene (mg/L)
NMOCD Regulatory Limit		0.01 (mg/L)	0.75 (mg/L)	0.75 (mg/L)	0.62 (mg/L)	
MW - 2	08/22/07	0.5200	<0.05	0.4500	0.2160	
MW - 2	11/29/07	0.3980	<0.01	0.3160	0.1890	
MW - 2	02/26/08	0.4080	<0.01	0.1830	0.1500	
MW - 2	05/22/08	0.1540	<0.010	0.1440	0.1240	
MW - 2	08/28/08	0.1530	<0.001	0.0899	0.0691	
MW - 2	11/20/08	0.0546	<0.005	0.0227	0.0220	
MW - 2	02/16/09	0.0240	<0.005	<0.005	<0.005	
MW - 2	05/29/09	0.2830	<0.001	0.272	0.1640	
MW - 2	08/06/09	0.4170	0.0038	0.184	0.1710	
MW - 3	02/27/03	Not Sampled Due to PSH in Well				
MW - 3	05/05/04	0.0017	<0.001	<0.001	<0.002	
MW - 3	07/26/04	Not Sampled Due to PSH in Well				
MW - 3	10/04/04	1.400	0.421	0.7300	0.9650	
MW - 3	12/17/04	2.510	0.49	0.9720	0.6376	
MW - 3	03/29/05	6.980	0.729	1.3700	0.8300	
MW - 3	05/11/05	Not Sampled Due to PSH in Well				
MW - 3	08/16/05	1.260	0.101	0.4700	0.2875	
MW - 3	11/15/05	1.880	0.0327	0.8420	0.2322	
MW - 3	02/15/06	1.600	0.0265	0.7150	0.2420	
MW - 3	05/23/06	3.600	<0.1	0.7030	0.4920	
MW - 3	08/09/06	Not Sampled				
MW - 3	11/27/06	1.470	0.0273	0.4740	0.3100	
MW - 3	03/20/07	5.880	<.5	7.0500	3.93	
MW - 3	06/04/07	<0.5	<0.5	<0.5	<0.5	
MW - 3	08/22/07	Not Sampled Due to PSH in Well				
MW - 3	11/29/07	1.010	0.0205	0.6700	0.2470	
MW - 3	02/26/08	1.170	0.0298	0.5820	0.2080	
MW - 3	05/22/08	1.280	0.0156	0.4470	0.1500	
MW - 3	11/20/08	0.948	<0.005	0.3810	0.1180	
MW - 3	02/16/09	0.522	<0.005	0.2880	0.0654	
MW - 3	05/29/09	4.010	0.1222	3.3800	2.6200	
MW - 3	08/06/09	0.645	<0.0200	0.4330	0.3120	
MW - 4	05/25/04	0.0017	0.00101	0.4070	0.4580	
MW - 4	07/26/04	0.0021	<0.001	0.4470	0.0936	
MW - 4	10/04/04	<0.001	<0.001	0.0934	0.0050	
MW - 4	12/17/04	0.0039	<0.001	0.1090	<0.002	
MW - 4	03/29/05	0.0026	<0.001	0.0592	0.0027	
MW - 4	05/11/05	<0.001	<0.001	0.0461	<0.002	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

34 JUNCTION TO LEA

LEA COUNTY, NEW MEXICO

NMOCD Reference Number 1R-0386

Sample Location	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylenes (mg/L)	o-Xylene (mg/L)
NMOCD Regulatory Limit		0.01 (mg/L)	0.75 (mg/L)	0.75 (mg/L)	0.62 (mg/L)	
MW - 4	08/16/05	<0.001	<0.001	0.0325	<0.002	
MW - 4	11/15/05	<0.001	<0.001	0.0048	<0.002	
MW - 4	02/15/06	<0.001	<0.001	<0.001	<0.002	
MW - 4	05/23/06	Not Sampled on Current Sample Schedule				
MW - 4	08/09/06	Not Sampled on Current Sample Schedule				
MW - 4	11/27/06	Not Sampled on Current Sample Schedule				
MW - 4	03/20/07	<0.001	<0.001	<0.001	<0.001	
MW - 4	06/04/07	Not Sampled on Current Sample Schedule				
MW - 4	08/22/07	Not Sampled on Current Sample Schedule				
MW - 4	11/29/07	<0.005	<0.005	<0.005	<0.005	
MW - 4	11/20/08	<0.001	<0.001	<0.001	<0.001	
MW - 4	05/29/09	<0.001	<0.001	0.0069	0.0084	
MW - 5	05/25/04	0.1780	0.0209	0.6540	0.6390	
MW - 5	07/26/04	0.0934	0.00204	0.4840	0.1143	
MW - 5	10/04/04	0.0692	<0.001	0.1990	0.0286	
MW - 5	12/17/04	0.1400	<0.001	0.2280	0.0090	
MW - 5	03/29/05	0.0381	<0.001	0.1250	0.0067	
MW - 5	05/11/05	0.0250	<0.001	0.1190	<0.002	
MW - 5	08/16/05	0.0600	<0.001	0.0341	0.0030	
MW - 5	11/15/05	0.0106	<0.001	0.0376	<0.002	
MW - 5	02/15/06	0.0121	<0.001	0.0341	<0.002	
MW - 5	05/23/06	0.0095	<0.001	0.0105	<0.002	
MW - 5	08/09/06	0.0285	<0.001	0.0034	0.0030	
MW - 5	11/27/06	0.0371	0.0016	0.0048	0.0042	
MW - 5	03/20/07	0.0063	<0.001	0.0195	<0.001	
MW - 5	06/04/07	0.0065	<0.001	0.0200	<0.001	
MW - 5	08/22/07	0.0057	<0.001	0.0079	<0.001	
MW - 5	11/29/07	0.0176	0.0016	0.0273	0.0212	
MW - 5	02/26/08	0.0112	<0.001	0.0225	<0.001	
MW - 5	05/22/08	0.0053	<0.001	0.0098	0.0018	
MW - 5	08/28/08	0.0189	<0.001	0.0098	0.0021	
MW - 5	11/20/08	0.0282	<0.001	0.0106	0.0206	
MW - 5	02/16/09	0.0096	<0.005	0.0090	<0.005	
MW - 5	05/29/09	0.0133	<0.001	0.0065	0.0090	
MW - 5	08/06/09	0.0229	<0.001	0.0083	<0.001	
MW - 6	05/25/04	0.6410	0.00533	0.1610	0.2007	
MW - 6	07/26/04	0.0998	<0.001	0.0754	0.0023	
MW - 6	10/04/04	0.0332	<0.001	0.0618	0.0034	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

34 JUNCTION TO LEA

LEA COUNTY, NEW MEXICO

NMOCD Reference Number 1R-0386

Sample Location	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylenes (mg/L)	o-Xylene (mg/L)
NMOCD Regulatory Limit		0.01 (mg/L)	0.75 (mg/L)	0.75 (mg/L)	0.62 (mg/L)	
MW - 6	12/17/04	<0.001	<0.001	0.0012	<0.002	
MW - 6	03/29/05	<0.001	<0.001	<0.001	<0.002	
MW - 6	05/11/05	<0.001	<0.001	<0.001	<0.002	
MW - 6	08/16/05	0.0054	<0.001	<0.001	<0.002	
MW - 6	11/15/05	0.0011	<0.001	0.0022	<0.002	
MW - 6	02/15/06	<0.001	<0.001	0.0021	<0.002	
MW - 6	05/23/06	<0.001	<0.001	<0.001	<0.002	
MW - 6	08/09/06	<0.001	<0.001	<0.001	<0.002	
MW - 6	11/27/06	0.0011	<0.001	<0.001	<0.002	
MW - 6	03/20/07	<0.001	<0.001	<0.001	<0.001	
MW - 6	06/04/07	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/22/07	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/29/07	<0.005	<0.005	<0.005	<0.005	
MW - 6	02/26/08	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/22/08	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/27/08	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/20/08	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/29/09	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/06/09	<0.001	<0.001	<0.001	<0.001	
MW - 7	05/25/04	1.840	0.0267	0.813	0.4980	
MW - 7	07/26/04	2.110	0.608	1.180	2.0750	
MW - 7	10/04/04	1.940	<0.002	0.830	0.6310	
MW - 7	12/17/04	3.260	<0.005	0.604	0.4841	
MW - 7	03/29/05	3.270	<0.005	0.889	0.7090	
MW - 7	05/11/05	1.470	<0.002	0.759	0.4970	
MW - 7	08/16/05	2.710	<0.005	1.050	0.8720	
MW - 7	11/15/05	0.995	<0.001	0.540	0.3120	
MW - 7	02/15/06	1.010	<0.001	0.552	0.3710	
MW - 7	05/23/06	1.030	<0.001	0.483	0.2892	
MW - 7	08/09/06	2.040	0.001	1.070	0.8706	
MW - 7	11/27/06	2.250	<0.01	1.130	0.8610	
MW - 7	03/20/07	0.836	<0.10	0.804	0.9400	
MW - 7	06/04/07	1.040	<0.1	0.702	0.3070	
MW - 7	08/22/07	1.290	<0.05	0.790	0.2750	
MW - 7	11/29/07	1.470	<0.02	0.984	0.3930	
MW - 7	02/26/08	1.060	<0.01	0.704	0.2640	
MW - 7	05/22/08	1.060	<0.0100	0.683	0.2680	
MW - 7	08/28/08	1.100	<0.0100	0.672	0.2700	
MW - 7	11/20/08	1.180	<0.0100	0.690	0.2930	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

34 JUNCTION TO LEA

LEA COUNTY, NEW MEXICO

NMOCD Reference Number 1R-0386

Sample Location	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylenes (mg/L)	o-Xylene (mg/L)
NMOCD Regulatory Limit		0.01 (mg/L)	0.75 (mg/L)	0.75 (mg/L)	0.62 (mg/L)	
MW - 7	02/16/09	0.672	<0.0100	0.355	0.1070	
MW - 7	05/29/09	1.290	<0.0100	0.717	0.3610	
MW - 7	08/06/09	1.380	0.0423	0.752	0.4740	
MW - 8	03/22/06	0.0079	0.00399	0.0173	0.0187	
MW - 8	05/23/06	<0.001	<0.001	0.0129	<0.002	
MW - 8	08/09/06	<0.001	<0.001	0.0220	<0.002	
MW - 8	11/27/06	<0.001	<0.001	0.0131	<0.002	
MW - 8	03/20/07	<0.001	<0.001	0.0121	<0.001	
MW - 8	06/04/07	<0.001	<0.001	<0.001	<0.001	
MW - 8	08/22/07	<0.001	<0.001	<0.001	<0.001	
MW - 8	11/29/07	<0.005	<0.005	<0.005	<0.005	
MW - 8	02/26/08	<0.001	<0.001	<0.001	<0.001	
MW - 8	05/22/08	<0.001	<0.001	<0.001	<0.001	
MW - 8	08/27/08	<0.001	<0.001	<0.001	<0.001	
MW - 8	11/20/08	<0.001	<0.001	<0.001	<0.001	
MW - 8	08/06/09	<0.001	<0.001	<0.001	<0.001	
MW - 9	03/22/06	0.0024	0.00238	0.0033	0.0060	
MW - 9	05/23/06	0.0074	<0.001	0.0157	0.0085	
MW - 9	08/09/06	<0.001	<0.001	<0.001	<0.002	
MW - 9	11/27/06	<0.001	<0.001	<0.001	<0.002	
MW - 9	03/20/07	<0.001	<0.001	<0.001	<0.001	
MW - 9	06/04/07	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/22/07	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/29/07	<0.005	<0.005	<0.005	<0.005	
MW - 9	02/26/08	<0.001	<0.001	<0.001	<0.001	
MW - 9	05/22/08	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/27/08	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/20/08	<0.001	<0.001	<0.001	<0.001	
MW - 9	05/29/09	0.0035	0.003	<0.001	<0.001	
MW - 9	08/06/09	<0.001	<0.001	<0.001	<0.001	
MW - 10	03/22/06	1.7400	0.204	2.0900	0.5970	
MW - 10	05/23/06	0.0686	<0.001	0.0829	0.0224	
MW - 10	08/09/06	0.0957	0.0106	0.6010	0.3670	
MW - 10	11/27/06	0.0205	<0.001	0.0232	0.0026	
MW - 10	03/20/07	1.1000	<0.001	0.0777	0.0072	
MW - 10	06/04/07	0.0940	<0.001	0.1650	0.0425	
MW - 10	08/22/07	0.0937	<0.001	0.0877	0.0163	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

34 JUNCTION TO LEA

LEA COUNTY, NEW MEXICO

NMOCD Reference Number 1R-0386

Sample Location	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m,p-Xylenes (mg/L)	o-Xylene (mg/L)
NMOCD Regulatory Limit		0.01 (mg/L)	0.75 (mg/L)	0.75 (mg/L)	0.62 (mg/L)	
MW - 10	11/29/07	0.0432	<0.001	0.0266	0.0066	
MW - 10	02/26/08	0.0840	0.002	0.1710	0.0572	
MW - 10	05/22/08	0.0536	0.001	0.1160	0.0389	
MW - 10	08/28/08	0.0302	<0.001	0.0261	0.0079	
MW - 10	11/20/08	0.0554	<0.001	0.1120	0.0395	
MW - 10	02/16/09	0.0917	<0.001	0.0812	0.0256	
MW - 10	05/29/09	0.1420	<0.001	0.0920	0.0407	
MW - 10	08/06/09	0.0944	<0.001	0.0255	0.0181	
MW - 11	08/22/07	<0.001	<0.001	<0.001	<0.001	
MW - 11	11/29/07	<0.005	<0.005	<0.005	<0.005	
MW - 11	02/26/08	<0.001	<0.001	<0.001	<0.001	
MW - 11	05/22/08	<0.001	<0.001	<0.001	<0.001	
MW - 11	08/27/08	<0.001	<0.001	<0.001	<0.001	
MW - 11	11/20/08	<0.001	<0.001	<0.001	<0.001	
MW - 11	05/29/09	<0.001	<0.001	0.0042	<0.001	
MW - 11	08/06/09	<0.001	<0.001	<0.001	<0.001	