

AP - 36

ANNUAL MONITORING REPORT

YEAR(S):

4/2006

TNM 97-23

**NE ¼ OF THE NE ¼ OF SECTION 14
TOWNSHIP 22 SOUTH, RANGE 37 EAST
NW ¼ OF THE NE ¼ OF SECTION 14
TOWNSHIP 22 SOUTH, RANGE 37 EAST
PLAINS EMS NUMBER: TNM 97-23
LEA COUNTY, NEW MEXICO**

AP-36

2005 Annual Groundwater Monitoring Report

*Entire Report is
on the L-Drive*

April 2006

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

Prepared By:

BBC International, Inc.

**World-Wide Environmental Specialists
Hobbs, New Mexico**

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INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), BBC International, Inc. (BBC) 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 October 19, 2004, project management responsibilities were assumed by BBC. 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 2005 only. For reference, the Site Location Map is provided as **Figure 1**.

Groundwater monitoring was conducted in four (4) quarters during the calendar year of 2005 to assess the levels and extent of dissolved phase and Phase Separated Hydrocarbon (PSH) constituents. The groundwater monitoring events consisted of measuring static water levels in the monitor wells and checking for the presence of PSH in all four (4) quarters.

A copy of this report with all figures and appendices is included on the enclosed CD.

FIELD ACTIVITIES

In compliance with the New Mexico Oil Conservation Division (NMOCD) letter of April 28, 2004, requiring Plains to perform quarterly gauging of the monitor wells, quarterly sampling of MW-4, and annual sampling of MW-1, MW-2, MW-3, and MW-5, the monitor wells were gauged and sampled on March 16, June 14, September 28, and December 8, 2005.

No detectable or measurable amounts of PSH were recorded during the monitoring period. During each sampling event, the monitor wells were purged of approximately three well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos Pump. 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 polystyrene drums and disposed of by BBC utilizing the NMOCD-approved disposal facility near Eunice, NM operated by Sundance Services.

GROUNDWATER GRADIENT

Locations of the monitor wells and the inferred groundwater gradient, constructed from measurements collected during quarterly sampling events are depicted on **Figures 2-5**, the Inferred Groundwater Gradient Maps. Cumulative groundwater elevation data is provided as **Table 1**. Groundwater elevation contours, generated from water level measurements acquired during the quarterly sampling events of 2005 indicated a general gradient of approximately 0.013 ft/ft to the east as measured between groundwater monitor wells MW-4 and MW-3. The depth to groundwater as measured from the top of the well casing ranged between 56.30 to 62.03 feet for the shallow alluvial aquifer.

LABORATORY RESULTS

Groundwater samples collected during the first three quarters of 2005 monitoring events were delivered to Trace Analysis, Inc. of Lubbock, Texas for determination of Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) constituent concentrations by EPA Method SW 846-8260b. Fourth quarter sample analysis was performed by Trace Analysis, Inc. of Lubbock, Texas for determination of BTEX constituent concentrations by EPA Method SW846-8021b. A cumulative listing of BTEX constituent concentrations is summarized in **Table 2**. Copies of the laboratory reports generated during this reporting period are provided as **Appendix I-IV**. Quarterly groundwater sample results reflecting benzene and BTEX constituent concentrations are depicted on **Figures 6-9**, the BTEX Concentration Maps.

Review of laboratory analytical results generated from analysis of the groundwater samples obtained during the 2005 monitoring period indicate that benzene and BTEX constituent concentrations are below NMOCD regulatory standards (non-detect) in monitor wells MW-1, MW-2, MW-3, MW-4, and MW-5. The groundwater monitoring wells have now recorded eight (8) consecutive quarters for constituent concentrations below NMOCD regulatory standards. The results are available in **Appendix I-IV**.

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

This report presents the results of groundwater monitoring activities for the annual monitoring period of calendar year 2005. Groundwater elevation contours, generated from water level measurements acquired during the quarterly sampling events of 2005, indicated a general gradient of approximately 0.013 ft/ft to the south as measured between groundwater monitor wells MW-4 and MW-3. See **Figures 2-5**.

Review of laboratory analytical results generated from analysis of the groundwater samples obtained during the 2005 monitoring period indicated that benzene and BTEX constituent concentrations are below NMOCD regulatory standards in all monitor wells for four (4) quarters. No detectable or measurable amounts of PSH were recorded during the monitoring period. Analytical results for the reporting period indicate total BTEX concentrations are below the applicable NMOCD regulatory standard for all sampled monitor wells. The groundwater monitoring wells have now recorded eight (8) consecutive quarters for constituent concentrations below NMOCD regulatory standards.

The Release Notification and Corrective Action Form (C-141) is provided as **Appendix V**.

CONCLUSION

Activities in 2006 will include quarterly gauging of the monitor wells, quarterly sampling of MW-4, and annual sampling of MW-1, MW-2, MW-3, and MW-5. A report detailing activities conducted in 2006 will be submitted in April 2007.

LIMITATIONS

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

BBC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. BBC 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. BBC has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. BBC 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 consent of BBC and/or Plains.

DISTRIBUTION

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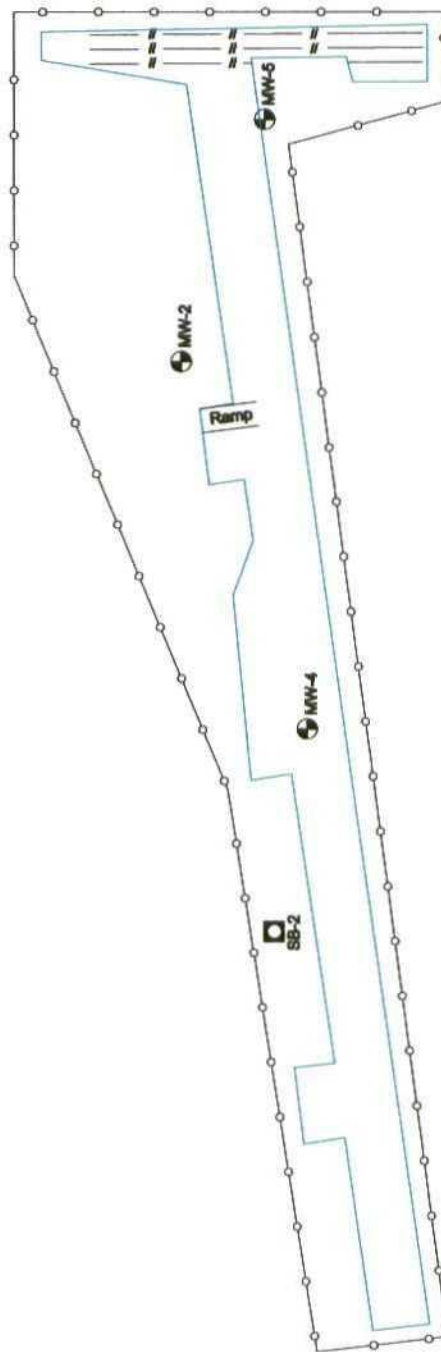
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Copy 5: BBC International, Inc.
1324 W. Marland
Hobbs, NM 88240

Copy Number: ____/____



MW-1



MW-3

NE 1/4 NE 1/4 S14 T22S R37E
NW 1/4 NE 1/4 S14 T22S R37E



LEGEND:

- Monitor Well Location
- Soil Boring
- Groundwater Gradient Contour Line
- Extent of Excavation

- ND Not Detect
- NS Not Sampled
- Exposed Pipeline
- Groundwater Gradient Direction and Magnitude
- 3278.50 Groundwater Elevation
- NG Well was not gauged

Figure 1
Site map
Plains Marketing, L.P.
TNM 97-23
Eunice, NM



BBC International, Inc.
World-Wide Environmental Specialists
Hobbs, New Mexico

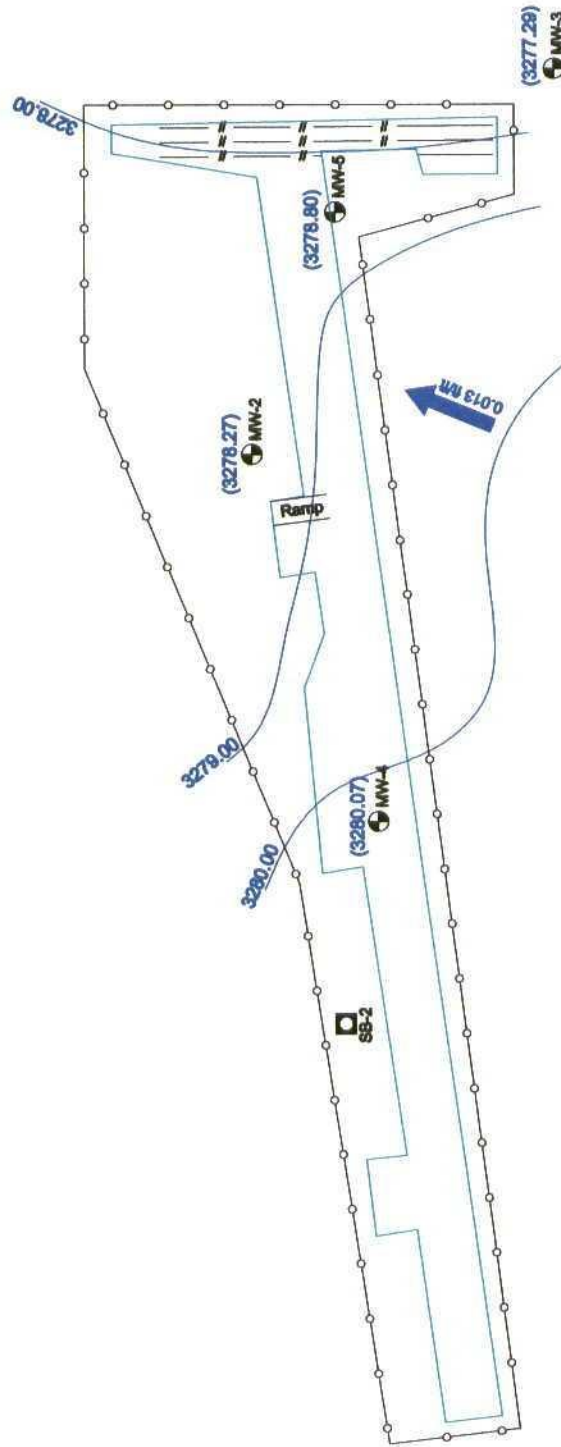
32° 23' 45.3N 103° 07' 51.6W

Scale: 1" = 100' Prep By: LA Checked By: CB

March 1, 2008



MW-1
(3278.40)



NE 1/4 NE 1/4 S14 T22S R37E
NW 1/4 NE 1/4 S14 T22S R37E

Distance in Feet
0 50 100

LEGEND:

- Monitor Well Location
- Soil Boring
- Groundwater Gradient Contour Line
- Extent of Excavation

- ND Not Detect
- NS Not Sampled
- Exposed Pipeline
- Groundwater Gradient Direction and Magnitude
- 3278.50 Groundwater Elevation
- NG Well was not gauged

Figure 2
Inferred Groundwater
Gradient Map (3/18/05)
1st Quarter
Plains Marketing, L.P.
TNM 97-23
Eunice, NM



BBC International, Inc.
World-Wide Environmental Specialists
Hobbs, New Mexico

32° 23' 46.3N 103° 07' 51.8W

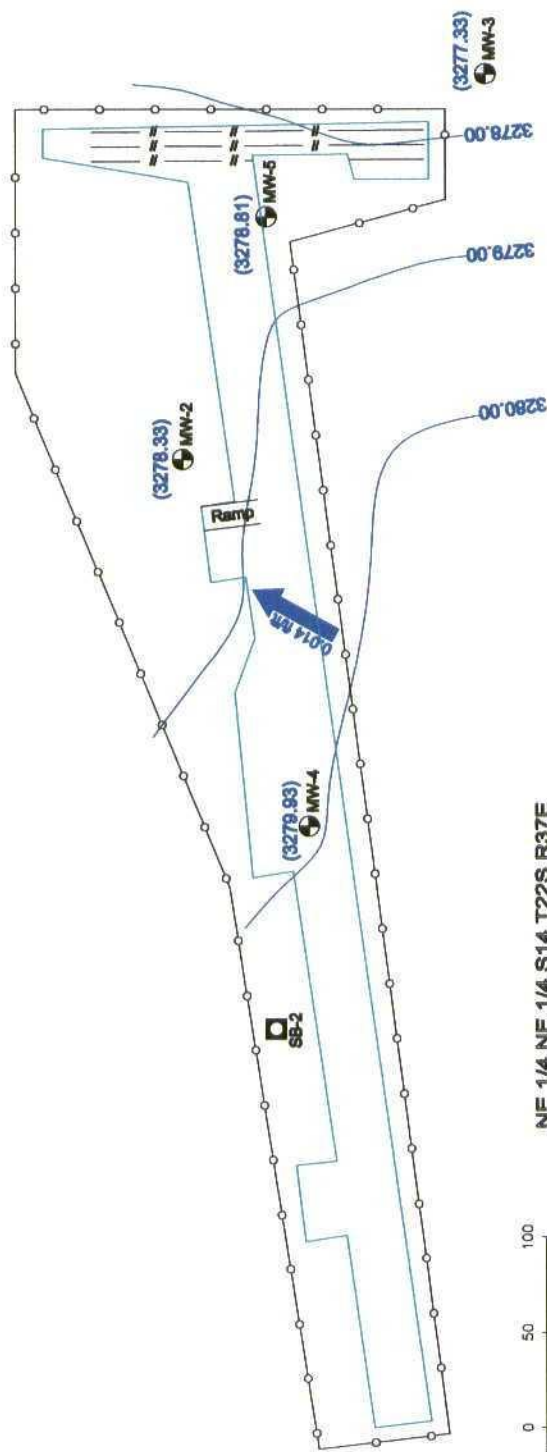
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March 1, 2006



MW-1
(3278.47)

==



NE 1/4 NE 1/4 S14 T22S R37E
NW 1/4 NE 1/4 S14 T22S R37E

LEGEND:

- Monitor Well Location
- Soil Boring
- Groundwater Gradient Contour Line
- Edent of Excavation

- ND Not Detect
- NS Not Sampled
- Exposed Pipeline
- Groundwater Gradient Direction and Magnitude
- 3278.50 Groundwater Elevation
- NG Well was not gauged

Figure 3
Inferred Groundwater
Gradient Map (6/14/05)
2nd Quarter
Plains Marketing, L.P.
TNM 97-23
Eunice, NM



BBC International, Inc.
World-Wide Environmental Specialists
Hobbs, New Mexico

32° 23' 45.3N 103° 07' 51.5W

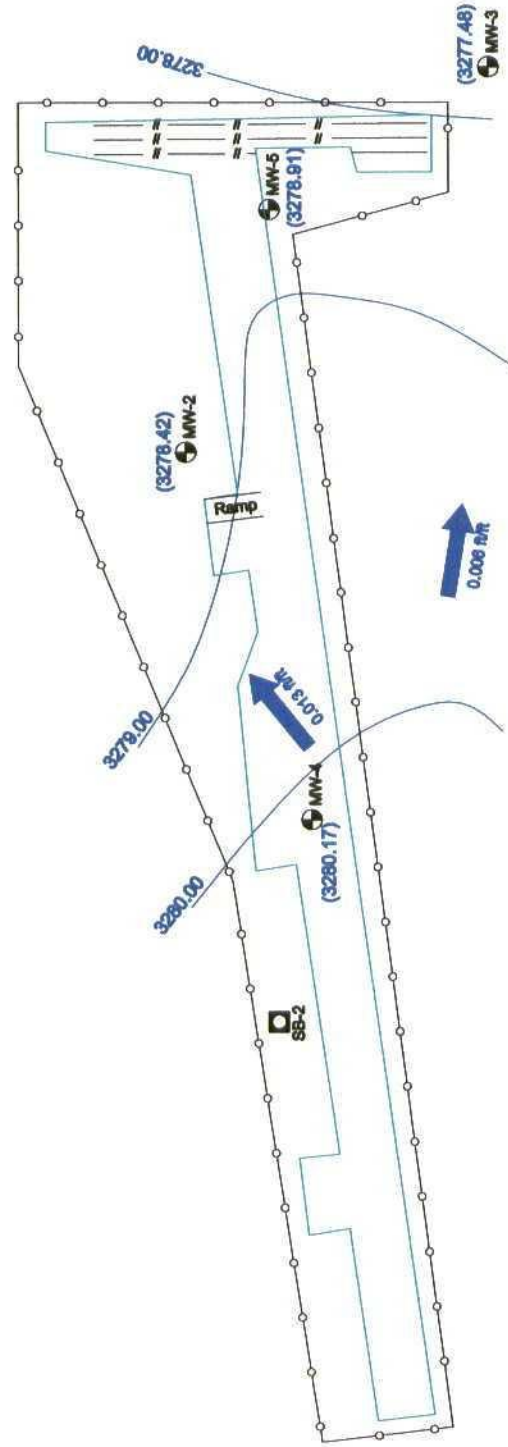
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Checked By: CB

March 1, 2006



MW-1
(3278.58)



NE 1/4 NE 1/4 S14 T22S R37E
NW 1/4 NE 1/4 S14 T22S R37E



LEGEND:

- Monitor Well Location
- Soil Boring
- Groundwater Gradient Contour Line
- Extent of Excavation

- ND Not Detect
- NS Not Sampled
- Exposed Pipeline
- Groundwater Gradient Direction and Magnitude
- 3278.50 Groundwater Elevation
- NG Well was not gauged

Figure 4
Inferred Groundwater
Gradient Map (9/28/05)
3rd Quarter
Plains Marketing, L.P.
TNM 97-23
Eunice, NM



BBC International, Inc.
World-Wide Environmental Specialists
Hobbs, New Mexico

32° 23' 45.3N 103° 07' 51.5W
Scale: 1" = 100'
Prep By: LA
Checked By: CB
March 1, 2006

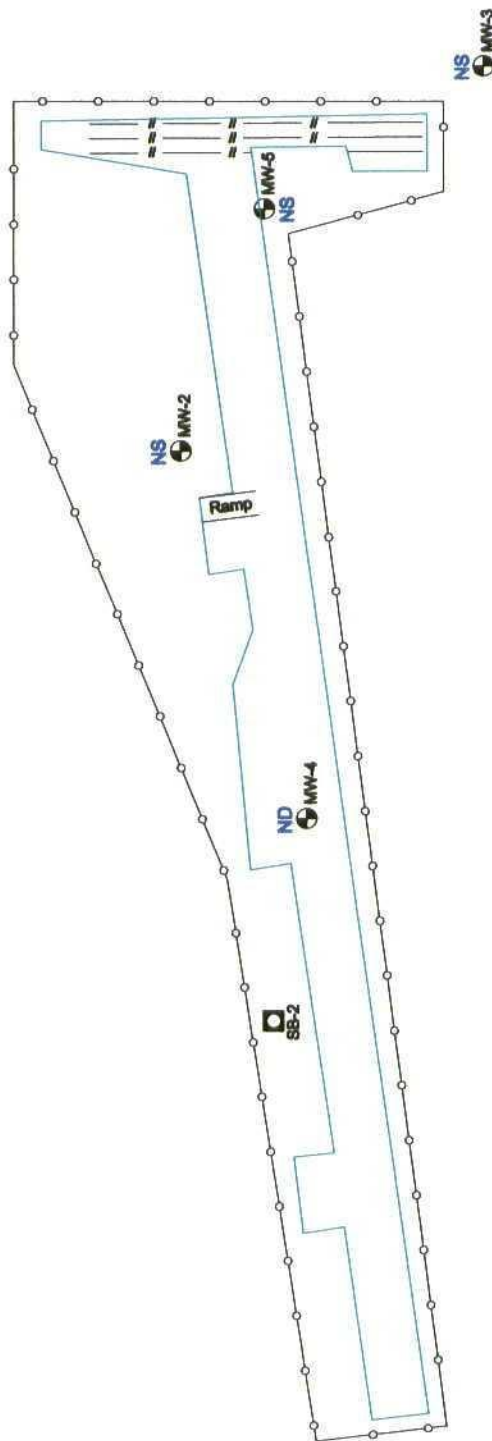


March 1, 2008



MW-1
NS

==



LEGEND:

- Monitor Well Location
- Soil Boring
- Groundwater Gradient Contour Line
- Extent of Excavation

- ND Not Detect
- NS Not Sampled
- Exposed Pipeline
- Groundwater Gradient Direction and Magnitude
- 3278.50 Groundwater Elevation
- NG Well was not gauged

Figure 6
BTEX Concentration
(3/16/06)
1st Quarter
Plains Marketing, L.P.
TNM 97-23
Eunice, NM



BBC International, Inc.
World-Wide Environmental Specialists
Hobbs, New Mexico

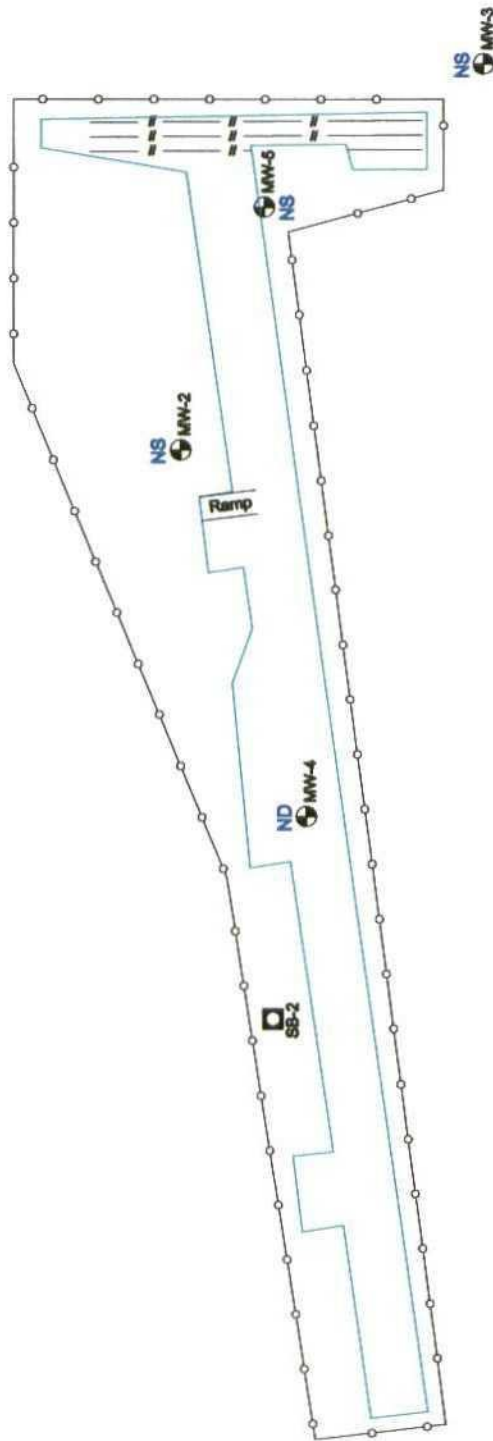
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Scale: 1" = 100' Prep By: LA Checked By: CS

March 1, 2006



MW-1
NS



NE 1/4 NE 1/4 S14 T22S R37E
NW 1/4 NE 1/4 S14 T22S R37E



LEGEND:

- Monitor Well Location
- Soil Boring
- Groundwater Gradient Contour Line
- Extent of Excavation

- ND Not Detect
- NS Not Sampled
- Exposed Pipeline
- Groundwater Gradient Direction and Magnitude
- 3278.50 Groundwater Elevation
- NG Well was not gauged

Figure 7
BTEX Concentration
(8/14/05)
2nd Quarter
Pine Marketing, L.P.
TNM 97-23
Eunice, NM

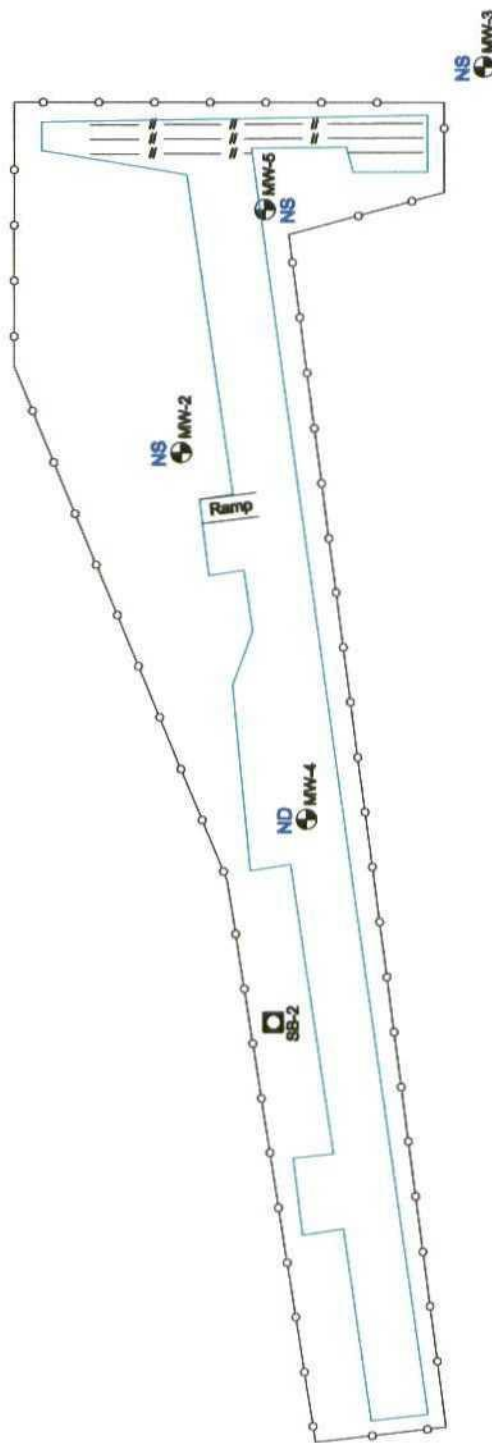


BBC International, Inc.
World-Wide Environmental Specialists
Hobbs, New Mexico

32° 23' 45.3N 103° 07' 51.5W
Scale: 1" = 100'
Prep By: LA
Checked By: CB
March 1, 2008



MW-1
NS



NE 1/4 NE 1/4 S14 T22S R37E
NW 1/4 NE 1/4 S14 T22S R37E



LEGEND:

- Monitor Well Location
- Soil Boring
- Groundwater Gradient Contour Line
- Extent of Excavation

- ND Not Detect
- NS Not Sampled
- Exposed Pipeline
- Groundwater Gradient Direction and Magnitude
- 3278.50 Groundwater Elevation
- NG Well was not gauged

Figure 8
BTEX Concentration
(9/28/05)
3rd Quarter
Plains Marketing, L.P.
TNM 97-23
Eunice, NM



BBC International, Inc.
World-Wide Environmental Specialists
Hobbes, New Mexico

32° 23' 46.3N 103° 07' 51.5W

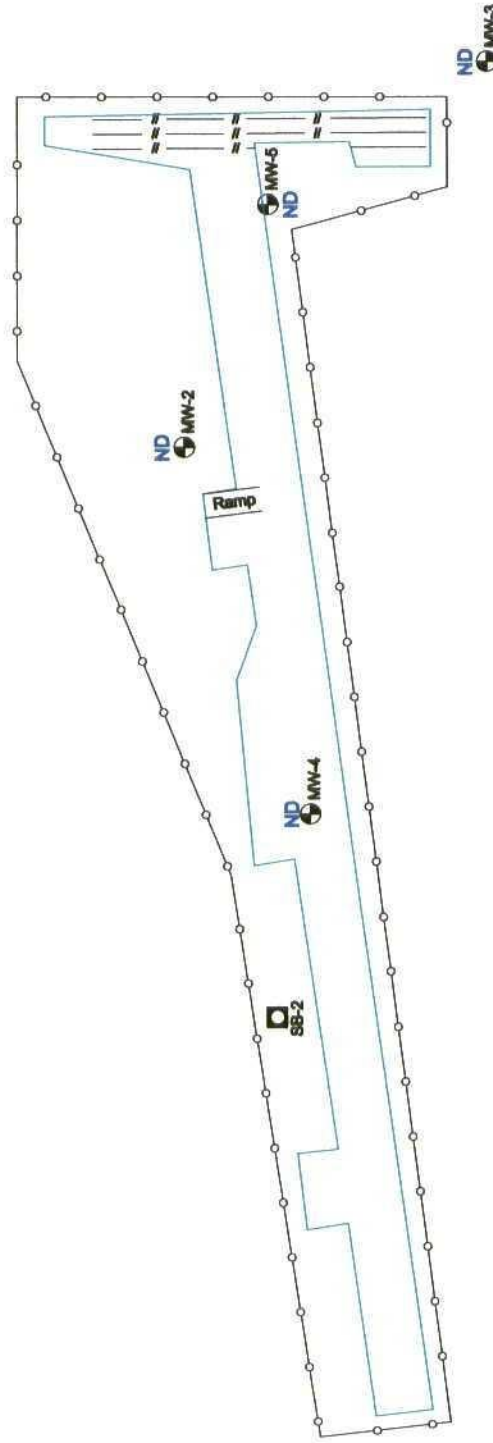
Scale: 1" = 100' Prep By: LA Checked By: CB

March 1, 2008



MW-1
ND

— — —



LEGEND:

- Monitor Well Location
- Soil Boring
- Groundwater Gradient Contour Line
- Extent of Excavation

ND Not Detect
NS Not Sampled
— — — Exposed Pipeline

Groundwater Gradient Direction and Magnitude
3278.50 Groundwater Elevation
NG Well was not gauged

Figure 9
BTEX Concentration
(12/08/05)
4th Quarter
Plains Marketing, L.P.
TNM 97-23
Eunice, NM



BBC International, Inc.
World-Wide Environmental Specialists
Hobbs, New Mexico

32° 23' 45.3N 103° 07' 51.8W

Scale: 1" = 100' Prep By: LA Checked By: CB

March 1, 2006

**Table 1. Groundwater Elevation Data
TNM 97- 23**

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	11/04/99	3,338.00	-	59.26	0.00	3278.74
	02/25/00	3,338.00	-	59.33	0.00	3,278.67
	06/06/00	3,338.00	-	59.36	0.00	3,278.64
	09/15/00	3,338.00	-	59.42	0.00	3,278.58
	11/30/00	3,338.00	-	59.44	0.00	3,278.56
	03/16/01	3,338.00	-	59.38	0.00	3,278.62
	06/04/01	3,338.00	-	59.39	0.00	3,278.61
	09/24/01	3,338.00	-	59.48	0.00	3,278.52
	10/30/01	3,338.00	-	59.45	0.00	3,278.55
	01/28/02	3,338.00	-	59.54	0.00	3,278.46
	05/21/02	3,338.00	-	59.57	0.00	3,278.43
	09/19/02	3,338.00	-	59.71	0.00	3,278.29
	12/16/02	3,338.00	-	59.64	0.00	3,278.36
	02/24/03	3,338.00	-	59.72	0.00	3,278.28
	05/20/03	3,338.00	-	59.72	0.00	3,278.28
	08/28/03	3,338.00	-	59.74	0.00	3,278.26
	11/26/03	3,338.00	-	59.80	0.00	3,278.20
	02/19/04	3,338.00	-	59.80	0.00	3,278.20
	05/13/04	3,338.00	-	59.84	0.00	3,278.16
	08/23/04	3,338.00	-	59.84	0.00	3,278.16
	12/27/04	3,338.00	-	59.79	0.00	3,278.21
	03/16/05	3,338.00	-	59.60	0.00	3,278.40
	06/14/05	3,338.00	-	59.53	0.00	3,278.47
	09/28/05	3,338.00	-	59.42	0.00	3,278.58
	12/08/05	3,338.00	-	59.43	0.00	3,278.57

**Table 1. Groundwater Elevation Data
TNM 97- 23**

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	02/25/00	3,336.79	-	58.57	0.00	3,278.22
	06/06/00	3,336.79	-	58.60	0.00	3,278.19
	09/15/00	3,336.79	-	58.66	0.00	3,278.13
	11/30/00	3,336.79	-	58.66	0.00	3,278.13
	03/16/01	3,336.79	-	58.62	0.00	3,278.17
	06/04/01	3,336.79	-	58.63	0.00	3,278.16
	09/24/01	3,336.79	-	58.61	0.00	3,278.18
	10/30/01	3,336.79	-	58.72	0.00	3,278.07
	01/28/02	3,336.79	-	58.74	0.00	3,278.05
	05/21/02	3,336.79	-	58.78	0.00	3,278.01
	09/19/02	3,336.79	-	58.70	0.00	3,278.09
	12/16/02	3,336.79	-	58.64	0.00	3,278.15
	02/24/03	3,336.79	-	58.76	0.00	3,278.03
	05/20/03	3,336.79	-	58.87	0.00	3,277.92
	08/29/03	3,336.79	-	58.88	0.00	3,277.91
	11/26/03	3,336.79	-	58.91	0.00	3,277.88
	02/19/04	3,336.79	-	58.93	0.00	3,277.86
	05/13/04	3,336.79	-	58.83	0.00	3,277.96
	08/23/04	3,336.79	-	58.94	0.00	3,277.85
	12/27/04	3,336.79	-	58.44	0.00	3,278.35
	03/16/05	3,336.79	-	58.52	0.00	3,278.27
	06/14/05	3,336.79	-	58.46	0.00	3,278.33
	09/28/05	3,336.79	-	58.37	0.00	3,278.42
	12/08/05	3,336.79	-	58.37	0.00	3,278.42

**Table 1. Groundwater Elevation Data
TNM 97- 23**

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	02/25/00	3,339.32	-	61.89	0.00	3,277.43
	06/06/00	3,339.32	-	61.91	0.00	3,277.41
	09/15/00	3,339.32	-	61.98	0.00	3,277.34
	11/30/00	3,339.32	-	62.00	0.00	3,277.32
	03/16/01	3,339.32	-	61.95	0.00	3,277.37
	06/04/01	3,339.32	-	61.95	0.00	3,277.37
	09/24/01	3,339.32	-	61.99	0.00	3,277.33
	10/30/01	3,339.32	-	62.22	0.00	3,277.10
	01/28/02	3,339.32	-	62.05	0.00	3,277.27
	05/21/02	3,339.32	-	62.05	0.00	3,277.27
	09/19/02	3,339.32	-	62.17	0.00	3,277.15
	12/16/02	3,339.32	-	62.04	0.00	3,277.28
	02/24/03	3,339.32	-	62.18	0.00	3,277.14
	05/20/03	3,339.32	-	62.14	0.00	3,277.18
	08/28/03	3,339.32	-	62.24	0.00	3,277.08
	11/26/03	3,339.32	-	62.26	0.00	3,277.06
	02/19/04	3,339.32	-	62.28	0.00	3,277.04
	05/13/04	3,339.32	-	62.30	0.00	3,277.02
	08/23/04	3,339.32	-	62.33	0.00	3,276.99
	12/27/04	3,339.32	-	62.17	0.00	3,277.15
	03/16/05	3,339.32	-	62.03	0.00	3,277.29
	06/14/05	3,339.32	-	61.99	0.00	3,277.33
	09/28/05	3,339.32	-	61.84	0.00	3,277.48
	12/08/05	3,339.32	-	61.91	0.00	3,277.41

**Table 1. Groundwater Elevation Data
TNM 97- 23**

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	02/25/00	3,335.50	-	56.81	0.00	3,278.69
	06/06/00	3,335.50	-	56.82	0.00	3,278.68
	09/15/00	3,335.50	-	56.85	0.00	3,278.65
	11/30/00	3,335.50	-	56.85	0.00	3,278.65
	03/16/01	3,335.50	-	56.74	0.00	3,278.76
	06/04/01	3,335.50	-	56.76	0.00	3,278.74
	09/24/01	3,335.50	-	56.83	0.00	3,278.67
	10/30/01	3,335.50	-	56.87	0.00	3,278.63
*	01/28/02	3,335.50	-	-	-	-
*	05/21/02	3,335.50	-	-	-	-
*	09/19/02	3,335.50	-	-	-	-
*	12/16/02	3,335.50	-	-	-	-
*	02/24/03	3,335.50	-	-	-	-
	05/20/03	3,335.50	-	56.92	0.00	3,278.58
	08/28/03	3,335.50	-	56.97	0.00	3,278.53
	11/26/03	3,335.50	-	57.06	0.00	3,278.44
	02/19/04	3,335.50	-	57.08	0.00	3,278.42
	05/13/04	3,335.50	-	56.94	0.00	3,278.56
	08/23/04	3,335.50	-	56.90	0.00	3,278.60
	12/27/04	3,336.50	-	56.26	0.00	3,280.24
	03/16/05	3,336.50	-	56.43	0.00	3,280.07
	06/14/05	3,336.50	-	56.57	0.00	3,279.93
	09/28/05	3,336.50	-	56.33	0.00	3,280.17
	12/08/05	3,336.50	-	56.30	0.00	3,280.20

**Table 1. Groundwater Elevation Data
TNM 97- 23**

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	02/25/00	3,337.21	-	59.35	0.00	3,277.86
	06/06/00	3,337.21	-	59.38	0.00	3,277.83
	09/15/00	3,337.21	-	59.45	0.00	3,277.76
	11/30/00	3,337.21	-	59.44	0.00	3,277.77
	03/16/01	3,337.21	-	59.42	0.00	3,277.79
	06/04/01	3,337.21	-	59.42	0.00	3,277.79
	09/24/01	3,337.21	-	59.46	0.00	3,277.75
	10/30/01	3,337.21	-	59.51	0.00	3,277.70
	01/28/02	3,337.21	-	59.50	0.00	3,277.71
	05/21/02	3,337.21	-	59.65	0.00	3,277.56
	09/19/02	3,337.21	-	59.59	0.00	3,277.62
	12/16/02	3,337.21	-	59.51	0.00	3,277.70
	02/24/03	3,337.21	-	59.61	0.00	3,277.60
	05/20/03	3,337.21	-	59.66	0.00	3,277.55
	08/28/03	3,337.21	-	59.69	0.00	3,277.52
	11/26/03	3,337.21	-	59.72	0.00	3,277.49
	02/19/04	3,337.21	-	59.73	0.00	3,277.48
	05/13/04	3,337.21	-	59.73	0.00	3,277.48
	08/23/04	3,337.21	-	59.75	0.00	3,277.46
	12/27/04	3,338.21	-	59.42	0.00	3,278.79
	03/16/05	3,338.21	-	59.41	0.00	3,278.80
	06/14/05	3,338.21	-	59.40	0.00	3,278.81
	09/28/05	3,338.21	-	59.30	0.00	3,278.91
	12/08/05	3,338.21	-	59.26	0.00	3,278.95

* Inaccessible due to excavation

Elevations based on the North American Vertical Datum of 1929.

Table 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846 - 8220, 8221B, 8260, 5230, 8021B				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 1	05/12/99	<0.001	<0.001	<0.001	<0.001	<0.001
	08/23/99	<0.001	<0.001	<0.001	<0.001	<0.001
	11/04/99	<0.001	<0.001	<0.001	<0.001	<0.001
	01/13/00	<0.001	<0.001	<0.001	<0.001	<0.001
	05/18/00	<0.001	<0.001	<0.001	<0.001	<0.001
	06/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
	09/15/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/30/00	<0.001	<0.001	<0.001	<0.001	<0.001
	03/16/01	<0.001	<0.001	<0.001	<0.001	<0.001
	06/04/01	<0.005	0.0198	0.0197	0.0792	
	09/24/01	<0.001	<0.001	<0.001	<0.001	<0.001
	10/30/01	<0.001	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001	<0.001
	05/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/19/02	<0.001	<0.001	<0.001	<0.001	<0.001
	12/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/24/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/20/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/28/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/26/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/19/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/27/04	<0.001	<0.001	<0.001	<0.001	<0.001
	12/08/05	<0.00100	<0.00100	<0.00100	<0.00100	
SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846 - 8220, 8221B, 8260, 5230, 8021B				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 2	02/25/00	0.001	<0.001	<0.001	<0.001	<0.001
	05/18/00	<0.001	<0.001	<0.001	<0.001	<0.001
	06/06/00	0.005	0.003	<0.001	<0.001	0.001
	09/15/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/30/00	0.012	0.004	<0.001	<0.001	0.002
	03/16/01	0.002	<0.001	<0.001	<0.001	<0.001
	06/04/01	0.009	<0.005	<0.005	<0.005	
	09/24/01	0.003	<0.001	<0.001	<0.001	<0.001
	10/30/01	0.002	<0.001	<0.001	<0.001	<0.001
	01/28/02	0.004	<0.001	<0.001	<0.001	<0.001
	05/21/02	0.006	0.001	<0.001	0.001	<0.001
	09/19/02	<0.001	<0.001	<0.001	<0.001	<0.001
	12/16/02	0.005	<0.001	<0.001	<0.001	<0.001
	02/24/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/20/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/28/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/26/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/19/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/27/04	<0.001	<0.001	<0.001	<0.001	<0.001
	12/08/05	<0.00100	<0.00100	<0.00100	<0.00100	

Table 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846 - 8220, 8221B, 8260, 5230, 8021B				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 3	02/25/00	0.003	0.002	<0.001	<0.001	<0.001
	05/18/00	0.001	<0.001	<0.001	<0.001	<0.001
	06/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
	09/15/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/30/00	<0.001	<0.001	<0.001	<0.001	<0.001
	03/16/01	0.002	<0.001	<0.001	<0.001	<0.001
	06/04/01	0.008	<0.005	<0.005	<0.005	
	09/24/01	<0.001	<0.001	<0.001	<0.001	<0.001
	10/30/01	<0.001	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001	<0.001
	05/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/19/02	<0.001	<0.001	<0.001	<0.001	<0.001
	12/16/02	0.002	<0.001	<0.001	<0.001	<0.001
	02/24/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/20/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/28/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/26/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/19/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/27/04	<0.001	<0.001	<0.001	<0.001	<0.001
	12/08/05	<0.00100	<0.00100	<0.00100	<0.00100	
SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846 - 8220, 8221B, 8260, 5230, 8021B				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 4	02/25/00	0.012	0.007	0.001	<0.001	<0.001
	05/18/00	0.002	<0.001	<0.001	<0.001	<0.001
	06/06/00	0.022	0.014	0.003	0.009	
	09/15/00	0.018	0.008	<0.001	<0.001	<0.001
	11/30/00	0.041	0.027	0.005	0.015	
	03/16/01	0.023	0.013	0.002	0.005	0.001
	06/04/01	0.015	0.020	<0.005	<0.005	
	09/24/01	0.027	0.016	0.003	0.007	0.003
	10/30/01	0.018	0.011	0.001	0.004	0.001
	01/28/02	NA	NA	NA	NA	NA
	05/21/02	NA	NA	NA	NA	NA
	09/19/02	NA	NA	NA	NA	NA
	12/16/02	NA	NA	NA	NA	NA
	02/24/03	NA	NA	NA	NA	NA
	05/20/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/28/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/26/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/19/04	<0.001	<0.001	<0.001	<0.002	<0.001
	05/13/04	<0.001	<0.001	<0.001	<0.002	<0.001
	08/23/04	<0.001	<0.001	<0.001	<0.002	<0.001
	05/13/04	<0.001	<0.001	<0.001	<0.002	<0.001
	08/23/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/27/04	<0.001	0.00122	<0.001	<0.001	<0.001
	03/16/05	<0.001	<0.001	<0.001	<0.001	<0.001
	06/14/05	<0.001	<0.001	<0.001	<0.001	<0.001
	09/28/05	<0.001	<0.001	<0.001	<0.001	<0.001
	12/08/05	<0.00100	<0.00100	<0.00100	<0.00100	

Table 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846 - 8220, 8221B, 8260, 5230, 8021B				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 5	02/25/00	0.001	<0.001	<0.001	<0.001	<0.001
	05/18/00	<0.001	<0.001	<0.001	0.002	
	06/06/00	0.002	0.001	<0.001	<0.001	<0.001
	09/15/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/30/00	<0.001	<0.001	<0.001	<0.001	<0.001
	03/16/01	<0.001	<0.001	<0.001	<0.001	<0.001
	06/04/01	<0.005	<0.005	<0.005	<0.005	
	09/24/01	<0.001	<0.001	<0.001	<0.001	<0.001
	10/30/01	<0.001	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001	<0.001
	05/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/19/02	<0.001	<0.001	<0.001	<0.001	<0.001
	12/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/24/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/20/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/28/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/26/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/19/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/27/04	<0.001	<0.001	<0.001	<0.001	<0.001
	12/08/05	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	METHODS: EPA SW 846 - 8220, 8221B, 8260, 5230, 8021B					
	08/28/03	<0.001	<0.001	<0.001	<0.001	<0.001
EB - 1	METHODS: EPA SW 846 - 8220, 8221B, 8260, 5230, 8021B					
	09/15/00	<0.001	<0.001	<0.001	<0.001	<0.001
	11/30/00	<0.001	<0.001	<0.001	<0.001	<0.001
	03/16/01	<0.001	<0.001	<0.001	<0.001	<0.001
	06/04/01	<0.005	<0.005	<0.005	<0.005	
	09/24/01	<0.001	<0.001	<0.001	<0.001	<0.001
	10/30/01	<0.001	<0.001	<0.001	<0.001	<0.001
	01/28/02	<0.001	<0.001	<0.001	<0.001	<0.001
	05/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/19/02	<0.001	<0.001	<0.001	<0.001	<0.001
	12/16/02	<0.001	<0.001	<0.001	<0.001	<0.001

Note: NA denotes well MW-4 was not accessible for sampling on date specified due to on-site excavation.

m, p and o xylenes combined when analyzed by Trace Laboratories Inc. only.

MW - 6 was a duplicate sample collected on date indicated.

APPENDIX I

Laboratory Results
1st Quarter 2005

TNM 97-23

April 2006

Plains Marketing, L.P.
Houston, Texas

Prepared by:
BBC International, Inc.

Report Date: March 23, 2005
TNM 97-23

Work Order: 5031715
Plains TNM 97-23

Page Number: 1 of 1
Eunice NM

Summary Report

Cliff Brunson
BBC International
1324 W. Marland
Hobbs, NM 88240

Report Date: March 23, 2005

Work Order: 5031715

Project Location: Eunice NM
Project Name: Plains TNM 97-23
Project Number: TNM 97-23

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
57666	MW-4	water	2005-03-16	15:30	2005-03-17

Sample - Field Code	BTEX by 8260					MTBE by 8260
	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylene (µg/L)	o-Xylene (µg/L)	MTBE (µg/L)
57666 - MW-4	<1.00	<1.00	<1.00	<1.00	<1.00	

TRACE ANALYSIS, INC.

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El Paso, Texas 79932 888•588•3443
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915•585•3443 FAX 915•585•4944

Analytical and Quality Control Report

Cliff Brunson
BBC International
1324 W. Marland
Hobbs, NM 88240

Report Date: March 23, 2005

Work Order: 5031715

Project Location: Eunice NM
Project Name: Plains TNM 97-23
Project Number: TNM 97-23

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
57666	MW-4	water	2005-03-16	15:30	2005-03-17

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

This report consists of a total of 4 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.


Dr. Blair Leftwich, Director

Analytical Report

Sample: 57666 - MW-4

Analysis: BTEX by 8260
QC Batch: 16792
Prep Batch: 14811

Analytical Method: S 8260B
Date Analyzed: 2005-03-21
Sample Preparation: 2005-03-21

Prep Method: S 5030B
Analyzed By: JG
Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		47.1	µg/L	1	50.0	94	70 - 130
Toluene-d8		49.5	µg/L	1	50.0	99	70 - 130
4-Bromofluorobenzene (4-BFB)		48.8	µg/L	1	50.0	98	70 - 130

Method Blank (1) QC Batch: 16792

Parameter	Flag	MDL Result	Units	RL
1,1-Dichloroethene		<0.136	µg/L	1
Benzene		<0.146	µg/L	1
Trichloroethene (TCE)		0.180	µg/L	1
Toluene		0.310	µg/L	1
Chlorobenzene		<0.0540	µg/L	1
Ethylbenzene		0.0500	µg/L	1
m,p-Xylene		0.120	µg/L	1
o-Xylene		<0.0960	µg/L	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		47.6	µg/L	1	50.0	95	70 - 130
Toluene-d8		49.7	µg/L	1	50.0	99	70 - 130
4-Bromofluorobenzene (4-BFB)		49.1	µg/L	1	50.0	98	70 - 130

Laboratory Control Spike (LCS-1) QC Batch: 16792

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
1,1-Dichloroethene	79.7	79.2	µg/L	1	100	<0.136	80	1	70 - 130	20
Benzene	95.4	95.2	µg/L	1	100	<0.146	95	0	70 - 130	20
Trichloroethene (TCE)	91.9	92.4	µg/L	1	100	<0.117	92	0	70 - 130	20
Toluene	93.3	93.8	µg/L	1	100	<0.0600	93	0	70 - 130	20
Chlorobenzene	96.2	96.0	µg/L	1	100	<0.0540	96	0	70 - 130	20

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

Report Date: March 23, 2005
TNM 97-23

Work Order: 5031715
Plains TNM 97-23

Page Number: 3 of 4
Eunice NM

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	47.2	46.9	µg/L	1	50.0	94	94	70 - 130
Toluene-d8	49.9	49.8	µg/L	1	50.0	100	100	70 - 130
4-Bromofluorobenzene (4-BFB)	49.2	49.1	µg/L	1	50.0	98	98	70 - 130

Standard (CCV-1) QC Batch: 16792

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	46.1	92	80 - 120	2005-03-21
1,1-Dichloroethene		µg/L	50.0	44.0	88	80 - 120	2005-03-21
Chloroform		µg/L	50.0	46.8	94	80 - 120	2005-03-21
1,2-Dichloropropane		µg/L	50.0	49.2	98	80 - 120	2005-03-21
Toluene		µg/L	50.0	49.5	99	80 - 120	2005-03-21
Chlorobenzene		µg/L	50.0	51.5	103	80 - 120	2005-03-21
Ethylbenzene		µg/L	50.0	50.8	102	80 - 120	2005-03-21

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

TraceAnalysis, Inc.

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

Company Name:

Phone #: (505) 3976388

Address: (Street, City, Zip)

Fax #: (505) 397 0393
e-mail:

Contact Person:

nm: Cliff Brunson

Invoice to:

(If different from above)

Project #:

(PLAINS) TMM 97-23

Project Name: TUM 97-23

Project Location:

Sampler Signature:

Evnice New Mexico

[illegible]

Relinquished by:

Date: _____ Time: _____

Received by:

Date: _____ Time: _____

REMARKS:

LAB USE ONLY

Relinquished by:

Date: _____ Time: _____

Received by:

Date: _____ Time: _____

Intact

Headspace Y/N

Belinavished by:

Date: _____ Time: _____

Received at Laboratory by:

Date: _____ Time: _____

Temp 42

☐ Dry Weight Basis Required

☐ TRRP Report Required

☐ Check If Special Reporting Limits Are Needed

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

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APPENDIX II

Laboratory Results
2nd Quarter 2005

TNM 97-23

April 2006

Plains Marketing, L.P.
Houston, Texas

Prepared by:
BBC International, Inc.

Report Date: June 27, 2005
TNM 97-23

Work Order: 5061616
Plains TNM 97-23

Page Number: 1 of 1
Eunice NM

Summary Report

Cliff Brunson
BBC International
1324 W. Marland
Hobbs, NM 88240

Report Date: June 27, 2005

Work Order: 5061616

Project Location: Eunice NM
Project Name: Plains TNM 97-23
Project Number: TNM 97-23

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
65516	MW-4	water	2005-06-14	17:00	2005-06-16

Sample - Field Code	BTEX by 8260					MTBE by 8260
	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethylbenzene ($\mu\text{g/L}$)	m,p-Xylene ($\mu\text{g/L}$)	o-Xylene ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)
65516 - MW-4	<1.00	<1.00	<1.00	<1.00	<1.00	

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Analytical and Quality Control Report

Cliff Brunson
BBC International
1324 W. Marland
Hobbs, NM 88240

Report Date: June 27, 2005

Work Order: 5061616

Project Location: Eunice NM
Project Name: Plains TNM 97-23
Project Number: TNM 97-23

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
65516	MW-4	water	2005-06-14	17:00	2005-06-16

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

This report consists of a total of 4 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director

Analytical Report

Sample: 65516 - MW-4

Analysis: BTEX by 8260
QC Batch: 19169
Prep Batch: 16845

Analytical Method: S 8260B
Date Analyzed: 2005-06-23
Sample Preparation: 2005-06-23

Prep Method: S 5030B
Analyzed By: JG
Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.5	µg/L	1	50.0	103	70 - 130
Toluene-d8		50.1	µg/L	1	50.0	100	70 - 130
4-Bromofluorobenzene (4-BFB)		49.7	µg/L	1	50.0	99	70 - 130

Method Blank (1) QC Batch: 19169

Parameter	Flag	MDL Result	Units	RL
1,1-Dichloroethene		<0.136	µg/L	1
Benzene		<0.146	µg/L	1
Trichloroethene (TCE)		<0.117	µg/L	1
Toluene		<0.0600	µg/L	1
Chlorobenzene		<0.0540	µg/L	1
Ethylbenzene		<0.0360	µg/L	1
m,p-Xylene		<0.0940	µg/L	1
o-Xylene		<0.0960	µg/L	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.8	µg/L	1	50.0	100	70 - 130
Toluene-d8		50.4	µg/L	1	50.0	101	70 - 130
4-Bromofluorobenzene (4-BFB)		49.0	µg/L	1	50.0	98	70 - 130

Laboratory Control Spike (LCS-1) QC Batch: 19169

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
1,1-Dichloroethene	41.8	45.1	µg/L	1	50.0	<0.136	84	8	70 - 130	20
Benzene	49.2	49.8	µg/L	1	50.0	<0.146	98	1	70 - 130	20
Trichloroethene (TCE)	46.9	47.9	µg/L	1	50.0	<0.117	94	2	70 - 130	20
Toluene	49.9	50.5	µg/L	1	50.0	<0.0600	100	1	70 - 130	20

continued ...

control spikes continued ...

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chlorobenzene	46.3	46.4	µg/L	1	50.0	<0.0540	93	0	70 - 130	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	50.5	50.8	µg/L	1	50.0	101	102	70 - 130
Toluene-d8	50.4	50.3	µg/L	1	50.0	101	101	70 - 130
4-Bromofluorobenzene (4-BFB)	49.6	49.7	µg/L	1	50.0	99	99	70 - 130

Standard (CCV-1) QC Batch: 19169

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	53.0	106	80 - 120	2005-06-23
1,1-Dichloroethene		µg/L	50.0	53.2	106	80 - 120	2005-06-23
Chloroform		µg/L	50.0	51.9	104	80 - 120	2005-06-23
1,2-Dichloropropane		µg/L	50.0	52.2	104	80 - 120	2005-06-23
Toluene		µg/L	50.0	51.8	104	80 - 120	2005-06-23
Chlorobenzene		µg/L	50.0	47.7	95	80 - 120	2005-06-23
Ethylbenzene		µg/L	50.0	50.7	101	80 - 120	2005-06-23

Page 1 of 1

TraceAnalysis, Inc. 155 McCutchen Suite H El Paso, Texas 79932 Tel (915) 585-3443 Fax (915) 585-4344 1 (800) 588-3443		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST LAB Order ID # <u>5061616</u>		ANALYSIS REQUEST (Circle or Specify Method No.)	
Company Name: <u>BBC INTERNATIONAL</u> Phone #: <u>(505) 397-6388</u> Address: <u>1324 W. MARLAND HOBBS NM 88340</u> Fax #: <u>(505) 397-0397</u> Contact Person: <u>Cliff Benson</u> Invoice to: _____ Project #: _____		Project Name: <u>TNM 97-23</u> Sampler Signature: <u>[Signature]</u> Project Location: <u>Monument New Mexico</u>		MTBE 8021B/602 BTEX 8021B/602 TPH 418 1/TX1005 TX 1005 Extended (C35) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/2007 TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles TCLP Pesticides HCI GC/MS Vol 8260B/625 GC/MS Semi Vol 8270C/625 PCBs 8082/608 Pesticides 8081A/608 BOD TSS pH Moisture Content Turn Around Time if different from standard	
LAB # (LAB USE ONLY) 65516 MP #4		MATRIX WATER ☒ SOIL AIR SLUDGE		PRESERVATIVE METHOD HCl ☒ HNO₃ H₂SO₄ NaOH ICE NONE	
FIELD CODE		# CONTAINERS 1		VOLUME/AMOUNT 100A	
DATE 6-14-05		TIME 5:00		DATE 6-14-05	
TIME		DATE		TIME	
Received by: <u>[Signature]</u>		Date: 6-15-05		Time: 9:15	
Relinquished by: <u>[Signature]</u>		Date: 6-15-05		Time: 9:15	
Received by: <u>Brenda Ward</u>		Date: 6/16/05		Time: 10:35	
Relinquished by:		Date:		Time:	
Received at Laboratory by:		Date:		Time:	
Relinquished by:		Date:		Time:	
Received by:		Date:		Time:	
Relinquished by:		Date:		Time:	
Received by:		Date:		Time:	
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6701 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
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1 (800) 378-1296
email: lab@tracanalysis.com

TraceAnalysis, Inc.

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

Company Name:

Phone #: (505) 397-6388

Address: (Street, City, Zip)

24 W. MARIAND HOBBS NM 88790 (505) 397-0397

Contact Person:

2/1/20 Benson

Invoice to:
(If different from above)

Project #:

Project Name: TNM 97-23

Project Location:

Sampler Signature: Prakash

Monument New Mexico

[illegible]

Relinquished by:

Date: _____ Time: _____

Received by:

Date: _____ Time: _____

REMARKS:

LAB USE ONLY

Relinquished by:

Date: _____ Time: _____

Received by:

Date: _____ Time: _____

Relinquished by:

Date: _____ Time: _____

Received at Laboratory by:

Date: _____ Time: _____

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

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

Carrier #

677 16834 222

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #

ANALYSIS REQUEST

(Circle or Specify Method No.)

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

Sub GLT 16834/2027

APPENDIX III

Laboratory Results
3rd Quarter 2005

TNM 97-23

April 2006

Plains Marketing, L.P.
Houston, Texas

Prepared by:
BBC International, Inc.

Report Date: October 12, 2005
TNM 97-23

Work Order: 5093019
Plains TNM 97-23

Page Number: 1 of 1
Eunice NM

Summary Report

Cliff Brunson
BBC International
1324 W. Marland
Hobbs, NM 88240

Report Date: October 12, 2005

Work Order: 5093019

Project Location: Eunice NM
Project Name: Plains TNM 97-23
Project Number: TNM 97-23

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
74689	MW-4	water	2005-09-28	13:15	2005-09-30

Sample - Field Code	BTEX by 8260					MTBE by 8260
	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethylbenzene ($\mu\text{g/L}$)	m,p-Xylene ($\mu\text{g/L}$)	o-Xylene ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)
74689 - MW-4	<1.00	<1.00	<1.00	<1.00	<1.00	

TRACE ANALYSIS, INC.

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

Analytical and Quality Control Report

Report Date: October 12, 2005

Work Order: 5093019

e NM
TNM 97-23
4 97-23

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

Description	Matrix	Date Taken	Time Taken	Date Received
W-4	water	2005-09-28	13:15	2005-09-30

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

total of 4 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis,



Dr. Blair Leftwich, Director

Analytical Report

Sample: 74689 - MW-4

Analysis: BTEX by 8260
QC Batch: 21913
Prep Batch: 19235

Analytical Method: S 8260B
Date Analyzed: 2005-10-11
Sample Preparation: 2005-10-11

Prep Method: S 5030B
Analyzed By: JG
Prepared By: JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.2	µg/L	1	50.0	100	70 - 130
Toluene-d8		50.9	µg/L	1	50.0	102	70 - 130
4-Bromofluorobenzene (4-BFB)		49.5	µg/L	1	50.0	99	70 - 130

Method Blank (1) QC Batch: 21913

Parameter	Flag	MDL Result	Units	RL
1,1-Dichloroethene		<0.136	µg/L	1
Benzene		<0.146	µg/L	1
Trichloroethene (TCE)		0.120	µg/L	1
Toluene		0.130	µg/L	1
Chlorobenzene		<0.0540	µg/L	1
Ethylbenzene		0.0500	µg/L	1
m,p-Xylene		0.110	µg/L	1
o-Xylene		<0.0960	µg/L	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.2	µg/L	1	50.0	98	70 - 130
Toluene-d8		50.7	µg/L	1	50.0	101	70 - 130
4-Bromofluorobenzene (4-BFB)		49.6	µg/L	1	50.0	99	70 - 130

Laboratory Control Spike (LCS-1) QC Batch: 21913

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
1,1-Dichloroethene	42.9	43.6	µg/L	1	50.0	<0.136	86	2	70 - 130	20
Benzene	44.9	45.9	µg/L	1	50.0	<0.146	90	2	70 - 130	20
Trichloroethene (TCE)	43.9	44.6	µg/L	1	50.0	<0.117	88	2	70 - 130	20
Toluene	43.8	44.7	µg/L	1	50.0	<0.0600	88	2	70 - 130	20

continued...

control spikes continued...

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chlorobenzene	44.6	45.3	µg/L	1	50.0	<0.0540	89	2	70 - 130	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	48.2	48.5	µg/L	1	50.0	96	97	70 - 130
Toluene-d8	50.0	50.4	µg/L	1	50.0	100	101	70 - 130
4-Bromofluorobenzene (4-BFB)	49.4	49.7	µg/L	1	50.0	99	99	70 - 130

Standard (CCV-1) QC Batch: 21913

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	50.1	100	80 - 120	2005-10-11
1,1-Dichloroethene		µg/L	50.0	51.3	103	80 - 120	2005-10-11
Chloroform		µg/L	50.0	49.5	99	80 - 120	2005-10-11
1,2-Dichloropropane		µg/L	50.0	50.2	100	80 - 120	2005-10-11
Toluene		µg/L	50.0	50.3	101	80 - 120	2005-10-11
Chlorobenzene		µg/L	50.0	50.9	102	80 - 120	2005-10-11
Ethylbenzene		µg/L	50.0	51.0	102	80 - 120	2005-10-11

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

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APPENDIX IV

Laboratory Results
4th Quarter 2005

TNM 97-23

April 2006

Plains Marketing, L.P.
Houston, Texas

Prepared by:
BBC International, Inc.

Report Date: December 12, 2005
97-23

Work Order: 5120909
TNM 97-23

Page Number: 1 of 1
Eunice, New Mexico

Summary Report

Cliff Brunson
BBC International
1324 W. Marland
Hobbs, NM 88240

Report Date: December 12, 2005

Work Order: 5120909

Project Location: Eunice, New Mexico
Project Name: TNM 97-23
Project Number: 97-23

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
79691	MW-1	water	2005-12-08	09:45	2005-12-09
79692	MW-2	water	2005-12-08	10:13	2005-12-09
79693	MW-3	water	2005-12-08	10:45	2005-12-09
79694	MW-5	water	2005-12-08	11:09	2005-12-09
79695	MW-4	water	2005-12-08	11:27	2005-12-09

Sample - Field Code	BTEX				MTBE
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)
79691 - MW-1	<0.00100	<0.00100	<0.00100	<0.00100	
79692 - MW-2	<0.00100	<0.00100	<0.00100	<0.00100	
79693 - MW-3	<0.00100	<0.00100	<0.00100	<0.00100	
79694 - MW-5	<0.00100	<0.00100	<0.00100	<0.00100	
79695 - MW-4	<0.00100	<0.00100	<0.00100	<0.00100	

TRACE ANALYSIS, INC.

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FAX 915•585•4944

E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Cliff Brunson
BBC International
1324 W. Marland
Hobbs, NM 88240

Report Date: December 12, 2005

Work Order: 5120909

Project Location: Eunice, New Mexico
Project Name: TNM 97-23
Project Number: 97-23

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
79691	MW-1	water	2005-12-08	09:45	2005-12-09
79692	MW-2	water	2005-12-08	10:13	2005-12-09
79693	MW-3	water	2005-12-08	10:45	2005-12-09
79694	MW-5	water	2005-12-08	11:09	2005-12-09
79695	MW-4	water	2005-12-08	11:27	2005-12-09

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

This report consists of a total of 7 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director

Analytical Report

Sample: 79691 - MW-1

Analysis: BTEX
QC Batch: 23313
Prep Batch: 20447

Analytical Method: S 8021B
Date Analyzed: 2005-12-09
Sample Preparation: 2005-12-09

Prep Method: S 5030B
Analyzed By: KB
Prepared By: KB

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0916	mg/L	1	0.100	92	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0824	mg/L	1	0.100	82	70.6 - 129.2

Sample: 79692 - MW-2

Analysis: BTEX
QC Batch: 23313
Prep Batch: 20447

Analytical Method: S 8021B
Date Analyzed: 2005-12-09
Sample Preparation: 2005-12-09

Prep Method: S 5030B
Analyzed By: KB
Prepared By: KB

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0922	mg/L	1	0.100	92	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0820	mg/L	1	0.100	82	70.6 - 129.2

Sample: 79693 - MW-3

Analysis: BTEX
QC Batch: 23313
Prep Batch: 20447

Analytical Method: S 8021B
Date Analyzed: 2005-12-09
Sample Preparation: 2005-12-09

Prep Method: S 5030B
Analyzed By: KB
Prepared By: KB

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0919	mg/L	1	0.100	92	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0824	mg/L	1	0.100	82	70.6 - 129.2

Sample: 79694 - MW-5

Analysis: BTEX
QC Batch: 23322
Prep Batch: 20456

Analytical Method: S 8021B
Date Analyzed: 2005-12-10
Sample Preparation: 2005-12-10

Prep Method: S 5030B
Analyzed By: KB
Prepared By: KB

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0962	mg/L	1	0.100	96	81.9 - 108
4-Bromofluorobenzene (4-BFB)	1	0.0787	mg/L	1	0.100	79	80.2 - 104

Sample: 79695 - MW-4

Analysis: BTEX
QC Batch: 23313
Prep Batch: 20447

Analytical Method: S 8021B
Date Analyzed: 2005-12-09
Sample Preparation: 2005-12-09

Prep Method: S 5030B
Analyzed By: KB
Prepared By: KB

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0927	mg/L	1	0.100	93	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)		0.0837	mg/L	1	0.100	84	70.6 - 129.2

Method Blank (1) QC Batch: 23313

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

continued ...

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

method blank continued...

Parameter	Flag	MDL Result	Units	RL
Xylene		<0.000737	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0929	mg/L	1	0.100	93	48.4 - 119
4-Bromofluorobenzene (4-BFB)		0.0837	mg/L	1	0.100	84	17.1 - 138

Method Blank (1) QC Batch: 23322

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000255	mg/L	0.001
Toluene		<0.000153	mg/L	0.001
Ethylbenzene		<0.000226	mg/L	0.001
Xylene		<0.000531	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0969	mg/L	1	0.100	97	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0841	mg/L	1	0.100	84	49.1 - 106

Laboratory Control Spike (LCS-1) QC Batch: 23313

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0967	0.0966	mg/L	1	0.100	<0.000650	97	0	80.8 - 120.7	20
Toluene	0.0962	0.0961	mg/L	1	0.100	<0.00101	96	0	81 - 120.8	20
Ethylbenzene	0.0986	0.0974	mg/L	1	0.100	<0.000840	99	1	82.1 - 121	20
Xylene	0.300	0.299	mg/L	1	0.300	<0.000737	100	0	82.4 - 123.3	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.100	0.100	mg/L	1	0.100	100	100	48.4 - 119
4-Bromofluorobenzene (4-BFB)	0.103	0.102	mg/L	1	0.100	103	102	17.1 - 138

Laboratory Control Spike (LCS-1) QC Batch: 23322

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.103	0.0982	mg/L	1	0.100	<0.000255	103	5	87.4 - 103.7	8.5
Toluene	0.102	0.0997	mg/L	1	0.100	<0.000153	102	2	86 - 107.4	6
Ethylbenzene	0.0997	0.0978	mg/L	1	0.100	<0.000226	100	2	86.2 - 108.3	6
Xylene	0.299	0.293	mg/L	1	0.300	<0.000531	100	2	84.5 - 107.9	6.4

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.100	0.100	mg/L	1	0.100	100	100	74.7 - 112
4-Bromofluorobenzene (4-BFB)	0.107	0.107	mg/L	1	0.100	107	107	69.4 - 111

Matrix Spike (MS-1) QC Batch: 23313 Spiked Sample: 79685

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	² 0.103	NA	mg/L	1	0.100	0.0069	96	200	72.6 - 135.5	20
Toluene	³ 0.0947	NA	mg/L	1	0.100	<0.00101	95	200	71.4 - 134.5	20
Ethylbenzene	⁴ 0.0966	NA	mg/L	1	0.100	<0.000840	97	200	76.2 - 126.1	20
Xylene	⁵ 0.296	NA	mg/L	1	0.300	0.0043	97	200	67.4 - 112	140.4

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	⁶ 0.101	NA	mg/L	1	0.1	101	0	48.4 - 119
4-Bromofluorobenzene (4-BFB)	⁷ 0.103	NA	mg/L	1	0.1	103	0	17.1 - 138

Standard (ICV-1) QC Batch: 23313

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0947	95	85 - 115	2005-12-09
Toluene		mg/L	0.100	0.0948	95	85 - 115	2005-12-09
Ethylbenzene		mg/L	0.100	0.0969	97	85 - 115	2005-12-09
Xylene		mg/L	0.300	0.297	99	85 - 115	2005-12-09

Standard (CCV-1) QC Batch: 23313

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0963	96	85 - 115	2005-12-09
Toluene		mg/L	0.100	0.0954	95	85 - 115	2005-12-09
Ethylbenzene		mg/L	0.100	0.0967	97	85 - 115	2005-12-09
Xylene		mg/L	0.300	0.296	99	85 - 115	2005-12-09

Standard (ICV-1) QC Batch: 23322

²RPD is out of range because a matrix spike duplicate was not prepared.

³RPD is out of range because a matrix spike duplicate was not prepared.

⁴RPD is out of range because a matrix spike duplicate was not prepared.

⁵RPD is out of range because a matrix spike duplicate was not prepared.

⁶RPD is out of range because a matrix spike duplicate was not prepared.

⁷RPD is out of range because a matrix spike duplicate was not prepared.

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.102	102	85 - 115	2005-12-10
Toluene		mg/L	0.100	0.101	101	85 - 115	2005-12-10
Ethylbenzene		mg/L	0.100	0.100	100	85 - 115	2005-12-10
Xylene		mg/L	0.300	0.302	101	85 - 115	2005-12-10

Standard (CCV-1) QC Batch: 23322

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0969	97	85 - 115	2005-12-10
Toluene		mg/L	0.100	0.0985	98	85 - 115	2005-12-10
Ethylbenzene		mg/L	0.100	0.0952	95	85 - 115	2005-12-10
Xylene		mg/L	0.300	0.284	95	85 - 115	2005-12-10

Trace Analysis, Inc. 6701 Aberdeen Avenue, Ste. 9 Lubbock, Texas 79424 Tel (806) 794-1296 Fax (806) 794-1298 1 (800) 378-1296 email: lab@traceanalysis.com		155 McCutcheon, Suite H El Paso, Texas 79932 Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST LAB Order ID # <u>5120909</u>																																																																																																											
Company Name: <u>BBC INTERNATIONAL</u> Address: <u>1324 W. MARLAND</u> Contact Person: <u>CLIFF BRUNSON</u> Phone #: <u>505 397 6388</u> Fax #: <u>505 397 0397</u> e-mail: <u>505 397 0397</u>		ANALYSIS REQUEST (Circle or Specify Method No.) <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>PAH 8270C</td><td></td></tr> <tr><td>Total Metals Ag As Ba Cd Cr Pb Se Hg 60108/200.7</td><td></td></tr> <tr><td>TCLP Metals Ag As Ba Cd Cr Pb Se Hg</td><td></td></tr> <tr><td>TCLP Volatiles</td><td></td></tr> <tr><td>TCLP Semi Volatiles</td><td></td></tr> <tr><td>TCLP Pesticides</td><td></td></tr> <tr><td>TCF Pesticides</td><td></td></tr> <tr><td>HCI</td><td></td></tr> <tr><td>GC/MS Vol. 8260B/624</td><td></td></tr> <tr><td>GC/MS Semi. Vol. 8270C/625</td><td></td></tr> <tr><td>PCB's 8082/608</td><td></td></tr> <tr><td>Pesticides 8081A/608</td><td></td></tr> <tr><td>BOD, TSS, pH</td><td></td></tr> <tr><td>Moisture Content</td><td></td></tr> <tr><td>Turn Around Time if different from standard</td><td></td></tr> </table>				PAH 8270C		Total Metals Ag As Ba Cd Cr Pb Se Hg 60108/200.7		TCLP Metals Ag As Ba Cd Cr Pb Se Hg		TCLP Volatiles		TCLP Semi Volatiles		TCLP Pesticides		TCF Pesticides		HCI		GC/MS Vol. 8260B/624		GC/MS Semi. Vol. 8270C/625		PCB's 8082/608		Pesticides 8081A/608		BOD, TSS, pH		Moisture Content		Turn Around Time if different from standard																																																																													
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Project Name: <u>TNM 97-23</u> Sampler Signature: <u>[Signature]</u> Project Location: <u>EUNICE NEW MEXICO</u>		LAB USE ONLY <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th rowspan="2">LAB #</th> <th rowspan="2">FIELD CODE</th> <th rowspan="2"># CONTAINERS</th> <th rowspan="2">Volume/Amount</th> <th colspan="3">MATRIX</th> <th colspan="5">PRESERVATIVE METHOD</th> <th colspan="2">SAMPLING</th> </tr> <tr> <th>WATER</th> <th>SOIL</th> <th>AIR</th> <th>SLUDGE</th> <th>HCl</th> <th>HNO₃</th> <th>H₂SO₄</th> <th>NaOH</th> <th>ICE</th> <th>NONE</th> <th>DATE</th> <th>TIME</th> </tr> <tr> <td>79691</td> <td>MW # 1</td> <td>2</td> <td>VDA</td> <td>✓</td> <td></td> <td></td> <td></td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>12-08</td> <td>9:45</td> </tr> <tr> <td>92</td> <td>MW # 2</td> <td>2</td> <td>VDA</td> <td>✓</td> <td></td> <td></td> <td></td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>12-08</td> <td>10:13</td> </tr> <tr> <td>93</td> <td>MW # 3</td> <td>2</td> <td>VDA</td> <td>✓</td> <td></td> <td></td> <td></td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>12-08</td> <td>10:45</td> </tr> <tr> <td>94</td> <td>MW # 5</td> <td>2</td> <td>VDA</td> <td>✓</td> <td></td> <td></td> <td></td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>12-08</td> <td>11:09</td> </tr> <tr> <td>95</td> <td>MW # 4</td> <td>2</td> <td>VDA</td> <td>✓</td> <td></td> <td></td> <td></td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>12-08</td> <td>11:27</td> </tr> </table>				LAB #	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX			PRESERVATIVE METHOD					SAMPLING		WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME	79691	MW # 1	2	VDA	✓				✓						12-08	9:45	92	MW # 2	2	VDA	✓				✓						12-08	10:13	93	MW # 3	2	VDA	✓				✓						12-08	10:45	94	MW # 5	2	VDA	✓				✓						12-08	11:09	95	MW # 4	2	VDA	✓				✓						12-08	11:27
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Relinquished by: <u>ROGER HERNANDEZ</u> Date: <u>12-08</u> Time: <u>1:30</u>		REMARKS: LAB USE ONLY Intact <u>Y/N</u> Headspace <u>Y/N</u> Temp <u>100</u> Log-in Review <u>Y/N</u> ☐ Dry Weight Basis Required ☐ TRRP Report Required ☐ Check if Special Reporting Limits Are Needed																																																																																																													
Relinquished by: <u>[Signature]</u> Date: <u>12-08</u> Time: <u>0940</u>		Carrier # <u>3641687854553</u>																																																																																																													

ORIGINAL COPY

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

APPENDIX V

FORM C-141

TNM 97-23

April 2006

Plains Marketing, L.P.
Houston, Texas

Prepared by:
BBC International, Inc.

District I - (505) 593-0101
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 South First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Alamogordo, NM 87410
District IV - (505) 651-7131

STATE OF NEW MEXICO
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-141
Originated 2/13/97

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 Texas-New Mexico Pipe Line Company	Contact Edwin H. Gripp	
Address Box 60028, San Angelo, TX 76906	Telephone No. (915) 947-9000	
Facility Name 14" main line	Facility Type pipe line	
Surface Owner L.V. Lewis Estate	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
	14	22S	37E					Lea

NATURE OF RELEASE

Type of Release sour crude	Volume of Release 617 barrels	Volume Recovered 400 barrels
Source of Release 14" main line	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 10-22-97 11:45 AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Bonnie Prechard	
By Whom? Johnny W. Chapman	Date and Hour 10-22-97 2:30 PM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse	

If a Watercourse was Impacted, Describe Fully:

Describe Cause of Problem and Remedial Action Taken:

Internal Corrosion

Describe Area Affected and Cleanup Action Taken:

17 385 sq. ft. pasture land. On site remediation.

Describe General Conditions Prevailing (Temperature, Precipitation, etc.):

70° cloudy Dry

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
Signature

Printed Name: Edwin H. Gripp

Title: District Manager

Date: Phone: 915-947-9001

OIL CONSERVATION DIVISION

Approved by
District Supervisor:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

* Attach Additional Sheets If Necessary

State Corp. Commission
Pipe Line Division

Hazardous Waste Section
NM Environmental Improvement Div.

IWC JAS

TNM-97-23