1R - 102

REPORT

DATE:

2006

PLAINS
ALL AMERICAN

* IR0102

Report

2006

March 27, 2007

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

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

Dear Mr. Stone:

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

TNM 97-23	Section 14, Township 22 South, Range 37 East, Lea County
LF-37	Section 19, Township 19 South, Range 37 East, Lea County

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

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

Sincerely,

Camille Reynolds

Camille Reynolds
Remediation Coordinator
Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosures

1R-0102

LF-37

SECTION 19
TOWNSHIP 19 SOUTH, RANGE 37 EAST
PLAINS EMS NUMBER: 1999-LF-37
LEA COUNTY, NEW MEXICO
NMOCD #1R-0102

2006 Annual Groundwater Monitoring Report

April 2007

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 2006 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 ACTIVITES

In compliance with the New Mexico Oil Conservation Division (NMOCD) letter of April 28, 2004, allowing Plains to modify the quarterly gauging of the monitor wells as follows: quarterly sampling of MW-3, semi-annual sampling of MW-4, and annual sampling of MW-2, MW-5, MW-6, MW-8, and MW-9. The monitor wells were gauged and sampled on March 8, June 24, September 25, and December 9, 2006.

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 2006 indicated a general gradient of approximately 0.006 ft/ft to the southeast as measured between groundwater monitor wells MW-2 and MW-4. The depth to groundwater as measured

from the top of the well casing ranged between 16.90 to 23.76 feet for the shallow aquifer.

LABORATORY RESULTS

Groundwater samples collected during each quarter of 2006 monitoring events were delivered to 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 2006 monitoring period indicate that benzene and BTEX constituent concentrations are below NMOCD regulatory standards in monitor wells MW-2, MW-4, MW-5, MW-6, MW-8, and MW-9. During the first three (3) quarters of 2006, the benzene concentration in monitor well MW-3 was above the NMOCD regulatory standard while total BTEX constituent concentrations were below NMOCD regulatory standards. The results are available in **Appendix I-IV**.

Ground water monitor wells MW-2, MW-4, MW-6, MW-8, and MW-9 have been below NMOCD regulatory standards for twelve (12) consecutive quarters, MW-5 was below NMOCD regulatory standards for four (4) quarters in 2003, then in 2004, MW-5 was changed to annual sampling per the NMOCD letter of April 28, 2004 and has been below NMOCD regulatory standards for the last two years.

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.

2006 SOIL REMEDIATION ACTIVITIES SUMMARY

This site was a pipeline release in 1999 that was addressed by excavating approximately 16,000 cubic yards of soil. The original remediation plan was to excavate the soil, place a clay barrier in the bottom of the excavation, then backfill to grade. The excavation plan was performed; however, it was determined at a later date that the installation of the clay liner could not be confirmed. There were also nine groundwater monitoring wells installed at the site which have been continuously monitored. In 2005, two of the existing monitor wells were approved by the NMOCD for plugging and were plugged and abandoned. The groundwater data still only shows one well to be over WQCC standards.

On behalf of Plains, BBC submitted in a work plan dated March 31, 2006 (**Appendix VI**) to remove 3-4 feet of the top soil at the site in the area of the original excavation, install a clay liner, then replace the top soil on top of the liner and contour to grade. This

process was to provide a protective barrier for the groundwater from migration. The site would then be prepared for the return of natural vegetation.

On May 15, 2006, the NMOCD approved the work plan (**Appendix VI**) as submitted and requested documentation of the work plan activities be included in this Annual Groundwater Monitoring Report.

On October 30, 2006, site activities commenced in accordance with the approved work plan. The top four (4) feet of soil was removed and stockpiled. Red-bed clay was then installed and compacted to 90% Proctor density in the area of removal. The top soil was then placed on top of the compacted clay and contoured to grade. Soil remediation activities were completed on November 16, 2006. Please see site pictures in **Appendix VII.** Based on the results of the soil remediation activities, the NMOCD-approved soil remediation work plan has been completed and no further soil remediation activities are warranted.

SUMMARY

This report presents the results of groundwater monitoring activities for the annual monitoring period 2006. No detectable or measurable amounts of PSH were recorded during the monitoring period.

Groundwater elevation contours, generated from water level measurements acquired during the quarterly sampling events of 2006, indicated a general gradient of approximately 0.006 ft/ft to the southeast as measured between groundwater monitor wells MW-2 and MW-4.

Review of laboratory analytical results generated from analysis of the groundwater samples obtained during the 2006 monitoring period indicate that benzene and BTEX constituent concentrations are below NMOCD regulatory standards in monitor wells MW-2, MW-4, MW-5, MW-6, MW-8, and MW-9.

No detectable or measurable amounts of PSH were recorded during the monitoring period. The groundwater monitoring wells MW-2, MW-4, MW-5, MW-6, MW-8, and MW-9 have now recorded twelve (12) consecutive sampling quarters for constituent concentrations below NMOCD regulatory standards.

During the first three (3) quarters of 2006, the benzene concentration in monitor well MW-3 was above the NMOCD regulatory standard while total BTEX constituent concentrations were below NMOCD regulatory standards.

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

CONCLUSION

Normal activities in 2007 would include quarterly gauging of all of the monitor wells, quarterly sampling of MW-3, semi-annual sampling of MW-4, and annual sampling of MW-2, MW-5, MW-6, MW-8, and MW-9.

However, due to the fact that monitoring wells MW-6, MW-8, and MW-9 have been non-detect for the required analytes for 12 consecutive quarters, Plains requests that groundwater monitoring wells MW-6, MW-8, and MW-9 be permanently plugged and abandoned according to NMOCD requirements. These monitoring wells are side-gradient to MW-3 and are not necessary to monitor hydrocarbon impact since and up-gradient monitoring well (MW-2) and two down-gradient monitoring wells (MW-4 and MW-5) are in place and provide sufficient data collection points to monitor the state of the groundwater around MW-3.

After the abandonment of monitor wells MW-6, MW-8, and MW-9, Plains will continue the quarterly sampling of MW-3, semi-annual sampling of MW-4, and annual sampling of MW-2 and MW-5. A report detailing activities conducted in 2007 will be submitted in April 2008.

Soil remediation activities were conducted between October 30, 2006 and November 16, 2006, in accordance with the NMOCD-approved work plan. Four (4) feet of soil was removed, a clay liner was installed, the area was backfilled, and the surface was restored. Based on the successful completion of the soil remediation activities, BBC requests that the NMOCD consider the soil cleanup portion of this case complete and issue Plains a "no further action" letter with regards to soil issues.

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

Copy 1: Ben Stone
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Copy 2: Larry Johnson
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division (District 1)
1625 French Drive
Hobbs, New Mexico 88240

Copy 3: Camille Reynolds
Plains Marketing, L.P.
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Lovington, NM 88260
cjreynolds@paalp.com

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Plains Marketing, L.P.
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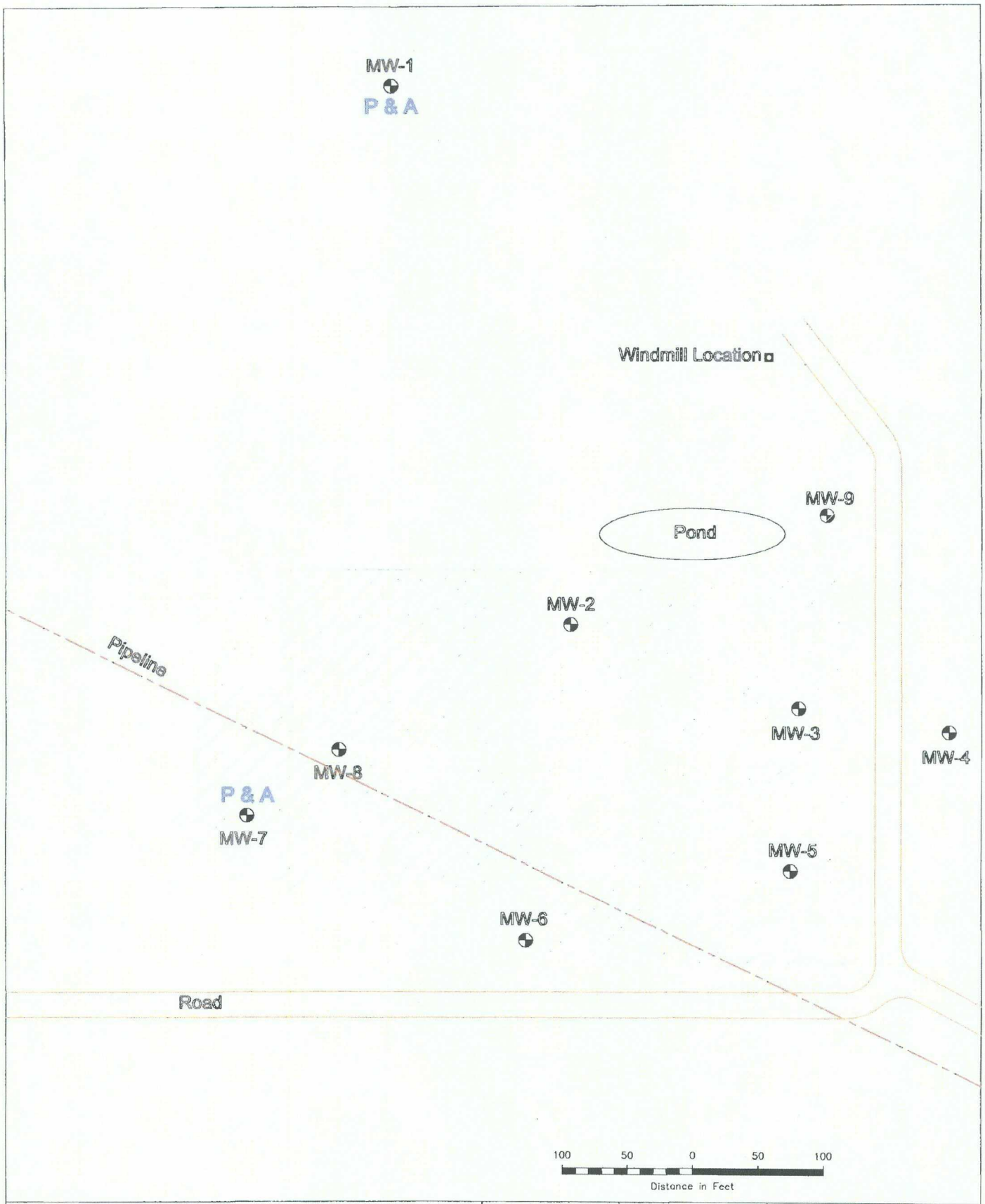
Suite 1600
Houston, Texas 77002
jpdann@paalp.com

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

Copy Number: _____



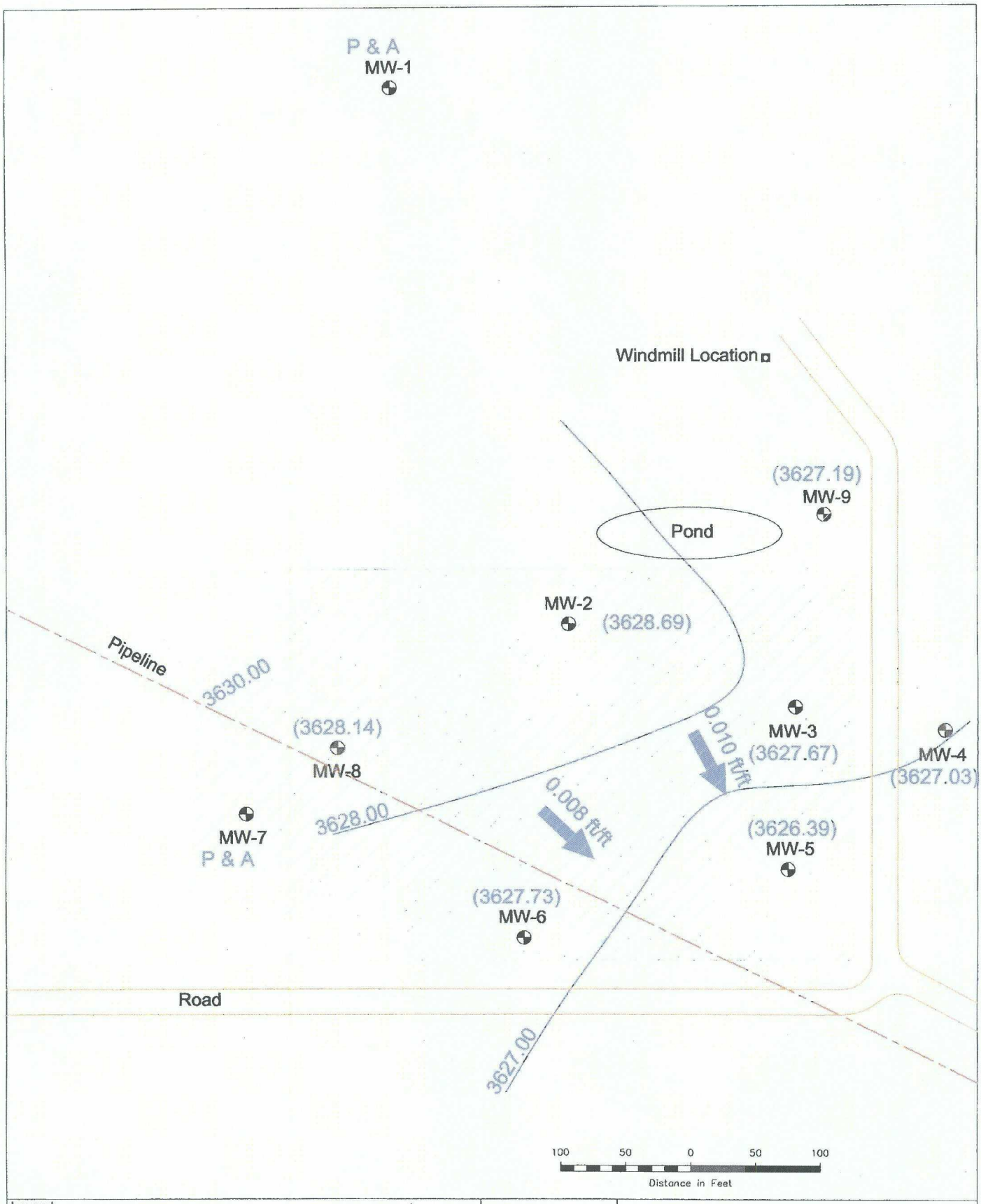
Legend:

- Former Excavation and Backfill Area
- Monitor Well Location
- (3627.55) Groundwater Elevation (In Feet)
- ND Non Detect
- NS Non Sampled
- P & A Plugged & Abandoned

Figure 1
Site Map
Plains Marketing, L.P.
LF-37
Lea County, NM

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

Scale: 1" = 100'	Prep By: LA	Checked By: CB
	March 1, 2007	



Legend:

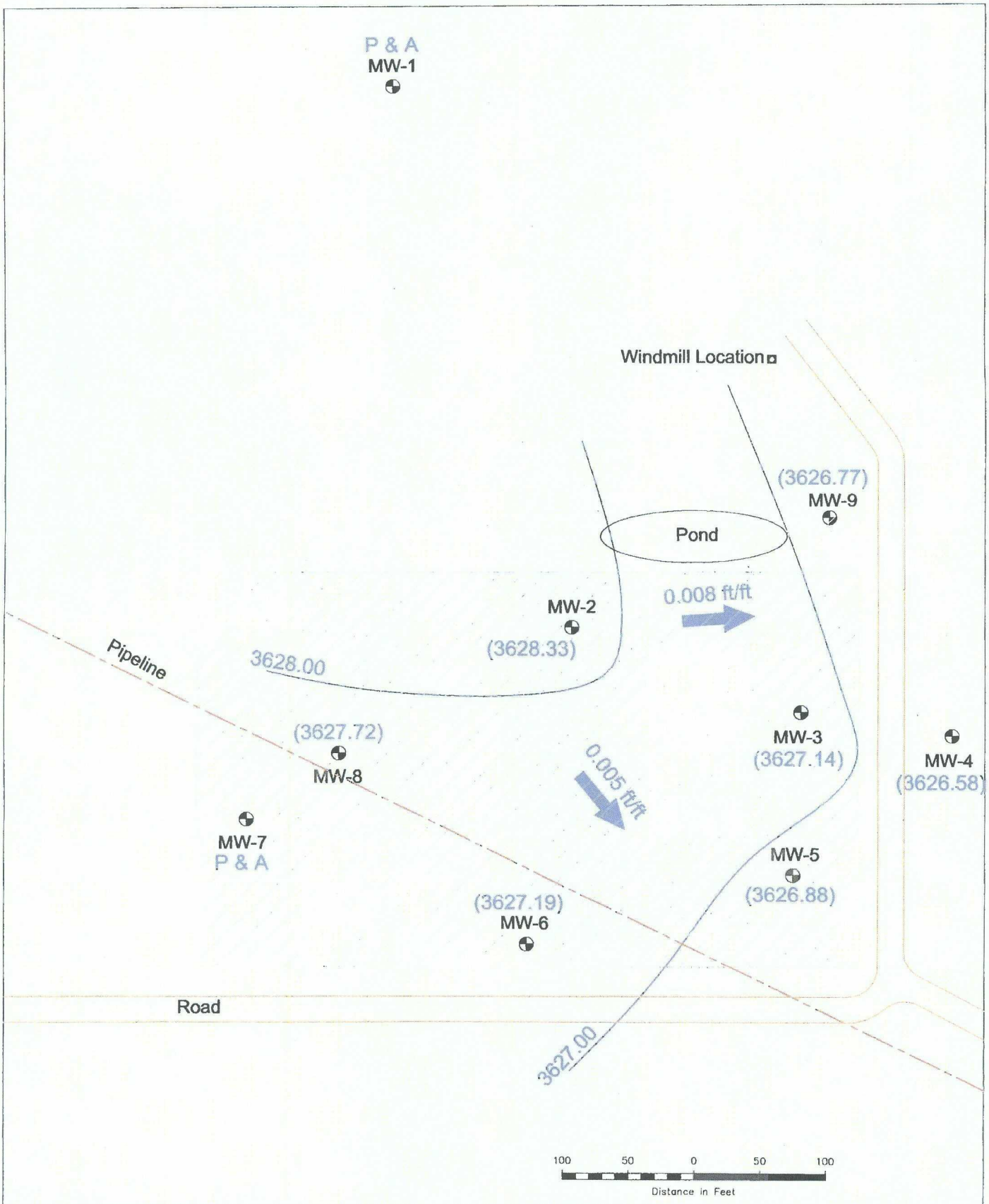
- Former Excavation and Backfill Area
- Monitor Well Location
- (3627.56) Groundwater Elevation (In Feet)
- ND Non Detect
- NS Non Sampled

N

Figure 2
Groundwater Gradient Map (3/08/06)
1st Quarter
Plains Marketing, L.P.
LF-37
Lea County, NM

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

Scale: 1" = 100'	Prep By: LA	Checked By: CB
	March 1, 2007	



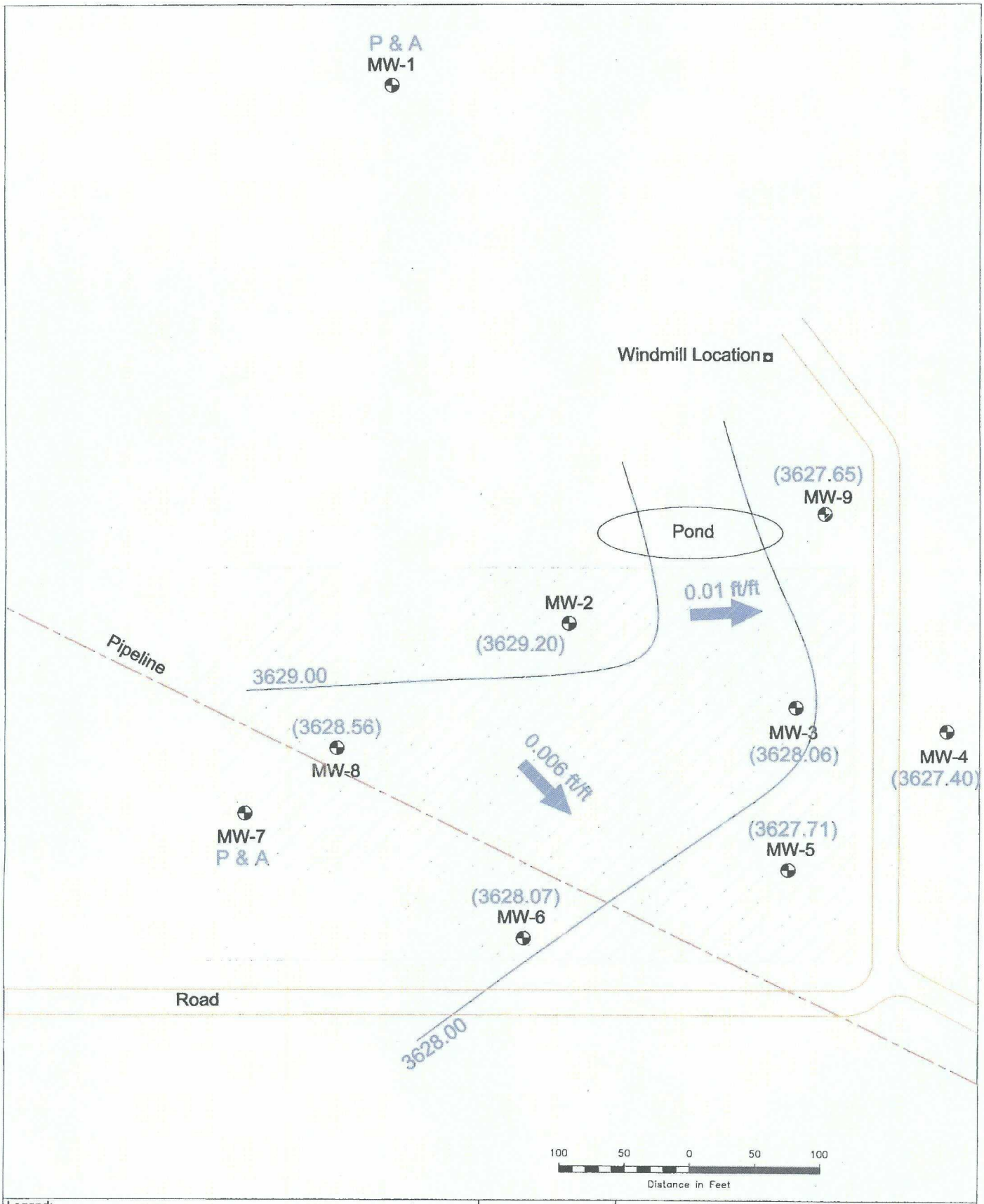
Legend:

- Former Excavation and Backfill Area
- Monitor Well Location
- (3627.58) Groundwater Elevation (In Feet)
- ND Non Detect
- NS Non Sampled
- P & A Plugged & Abandoned

Figure 3
Groundwater Gradient
Map (6/24/06)
2nd Quarter
Plains Marketing, L.P.
LF-37
Lea County, NM

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

Scale: 1" = 100'	Prep By: LA	Checked By: CB
	March 1, 2007	



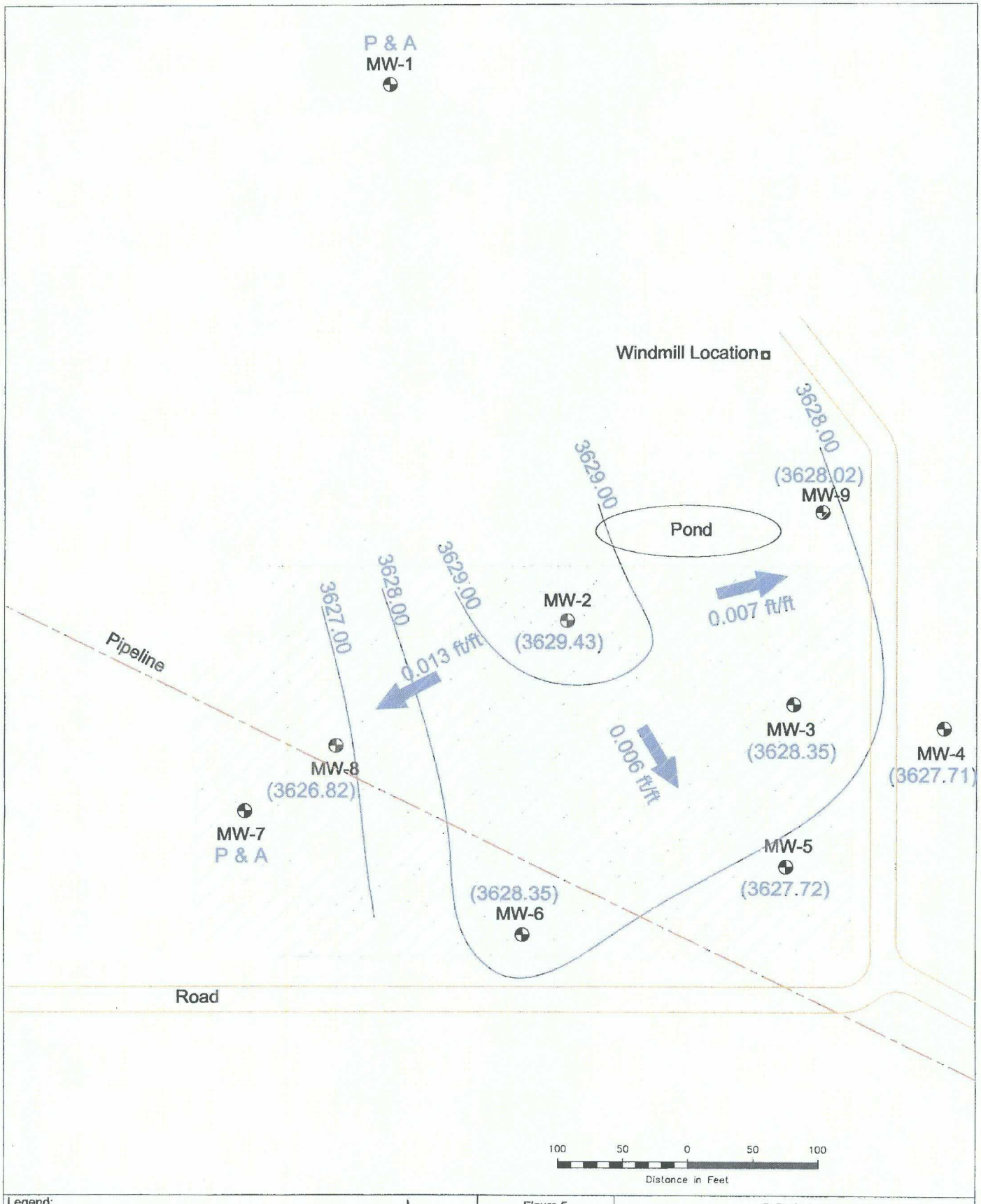
Legend:

- Former Excavation and Backfill Area
- Monitor Well Location
- (3627.56) Groundwater Elevation (In Feet)
- ND Non Detect
- NS Non Sampled
- P & A Plugged & Abandoned

Figure 4
Groundwater Gradient Map (9/25/06)
3rd Quarter
Plains Marketing, L.P.
LF-37
Lea County, NM

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

Scale: 1" = 100'	Prep By: LA	Checked By: CB
	March 1, 2007	



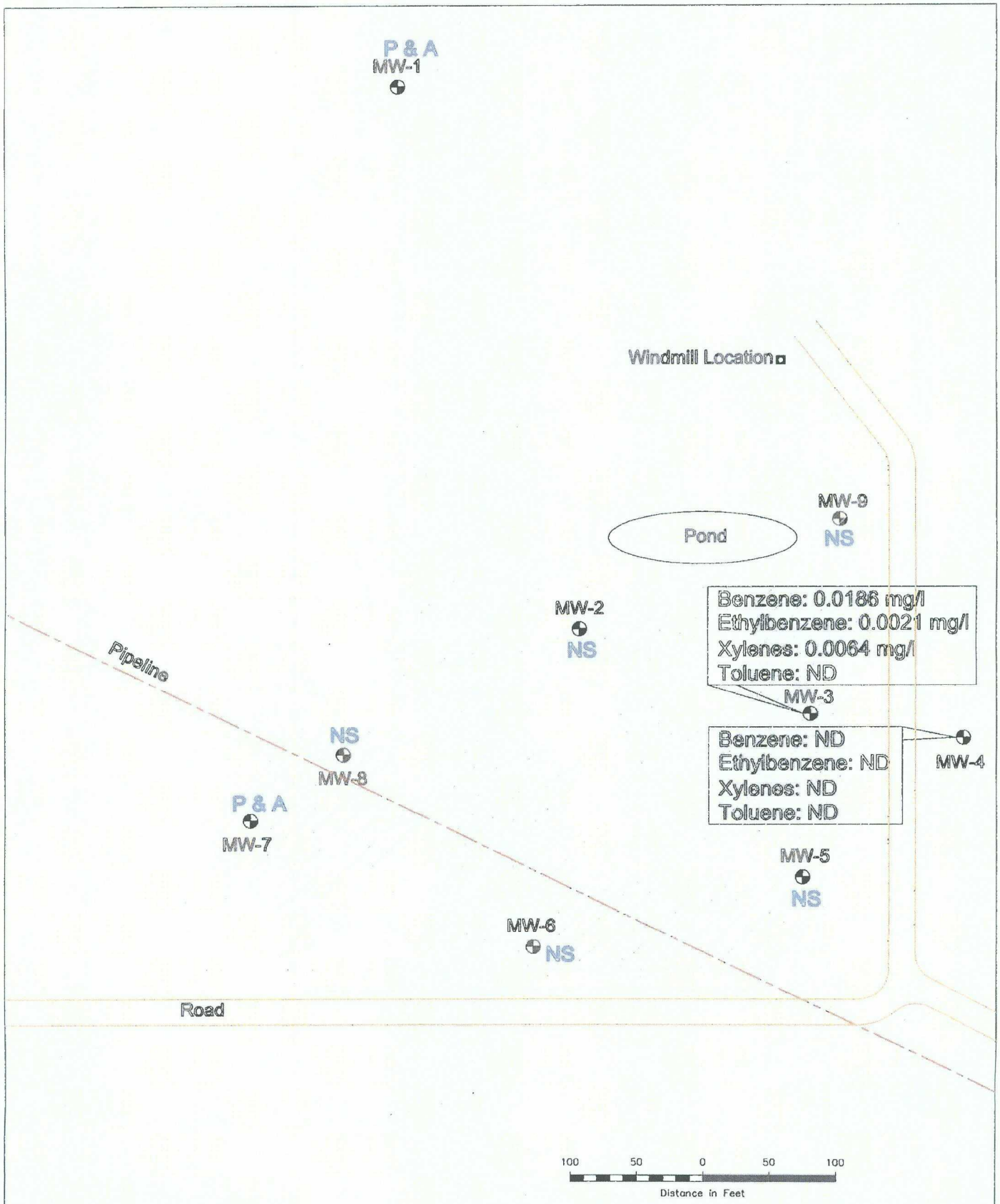
Legend:

- Former Excavation and Backfill Area
- Monitor Well Location
- (3627.56) Groundwater Elevation (In Feet)
- ND Non Detect
- NS Non Sampled
- P & A Plugged & Abandoned

Figure 5
Groundwater Gradient Map (12/28/06)
4th Quarter
Plains Marketing, L.P.
LF-37
Lea County, NM

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

Scale: 1" = 100'	Prep By: LA	Checked By: CB
	March 1, 2007	



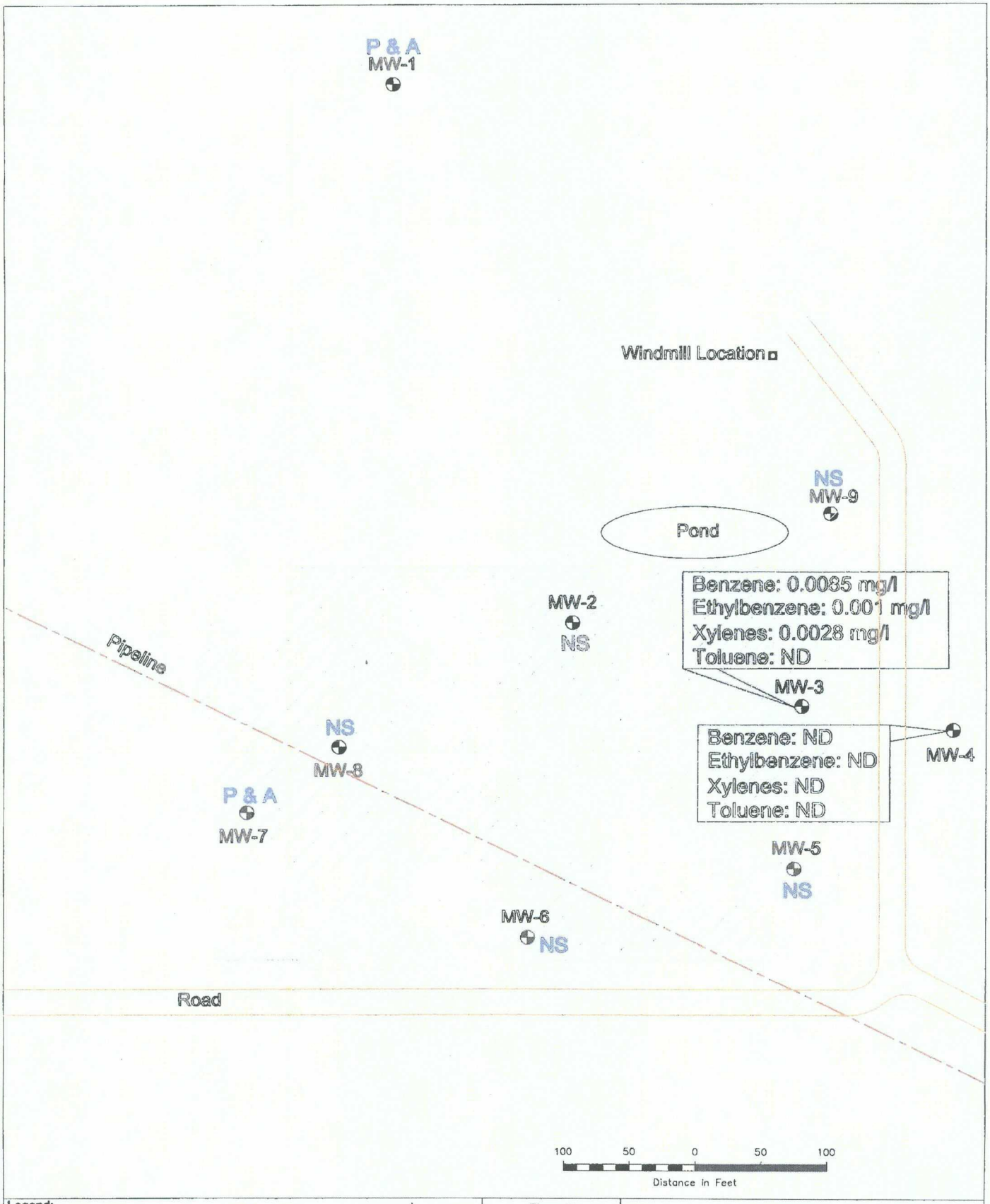
Legend:

- Former Excavation and Backfill Area
- Monitor Well Location
- (3027.09) Groundwater Elevation (In Feet)
- ND Non Detect
- NS Non Sampled
- mg/l Milligrams Per Liter

Figure 6
BTEX Concentration
(3/08/06)
1st Quarter
Plains Marketing, L.P.
LF-37
Lea County, NM

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

Scale: 1" = 100'	Prep By: LA	Checked By: CB
	March 1, 2007	



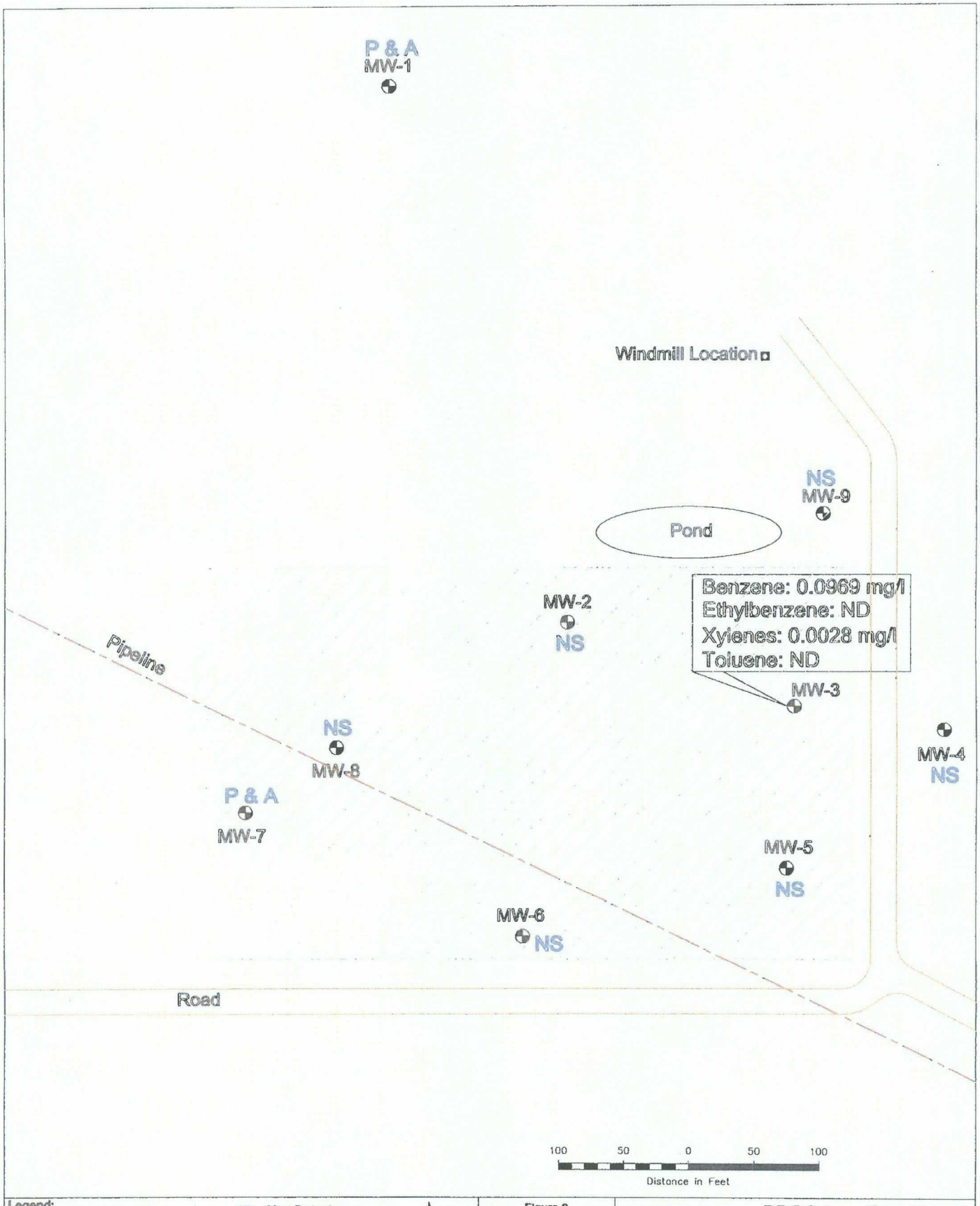
Legend:

- Former Excavation and Backfill Area
- Monitor Well Location
- (3627.55) Groundwater Elevation (In Feet)
- ND Non Detect
- NS Non Sampled
- P&A Plugged & Abandoned
- ppm Parts Per Million
- N

Figure 7
BTEX Concentration
(6/24/06)
2nd Quarter
Plains Marketing, L.P.
LF-37
Lea County, NM

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

Scale: 1" = 100'	Prep By: LA	Checked By: CB
	March 1, 2007	



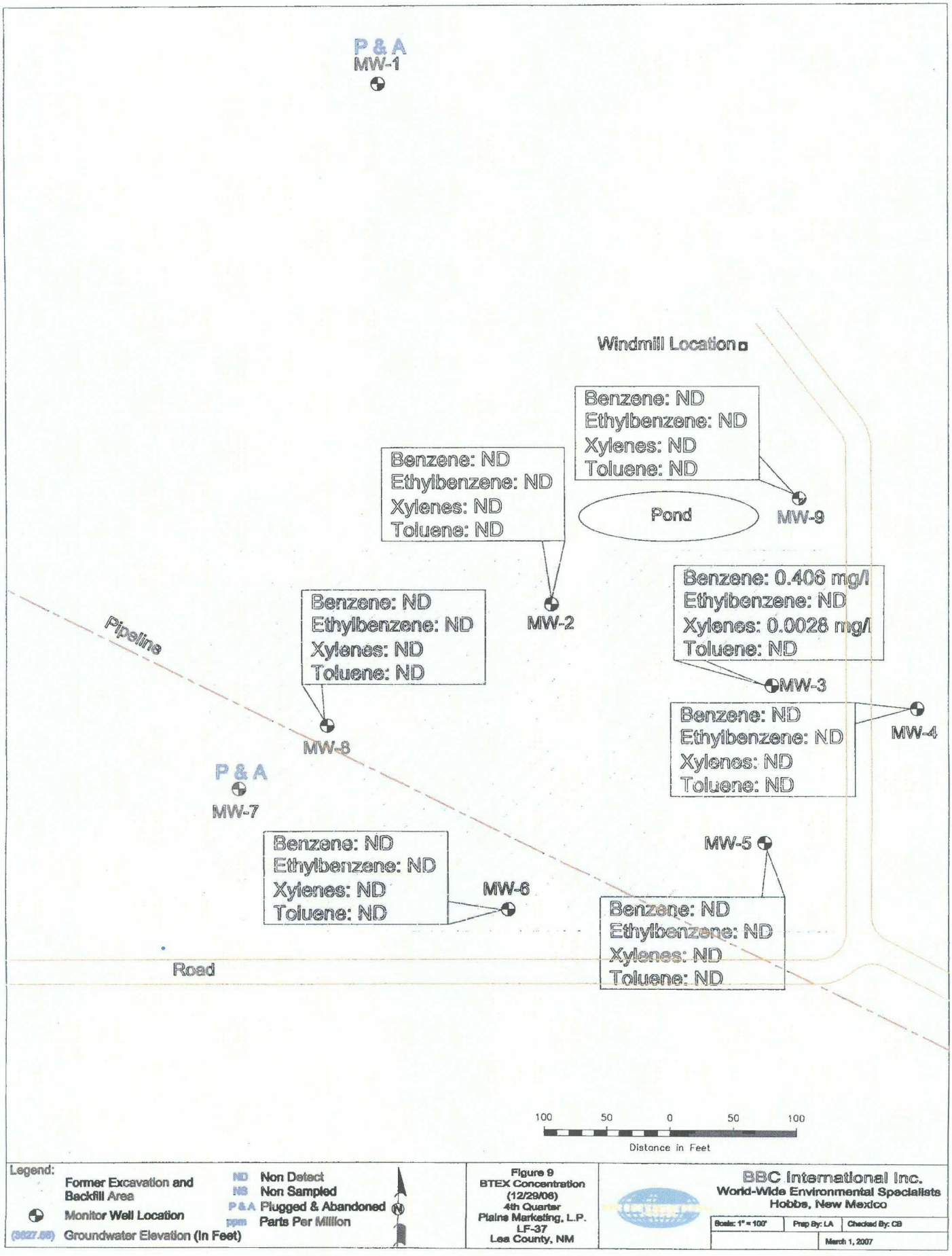
Legend:

- Former Excavation and Backfill Area
- Monitor Well Location
- (3627.58) Groundwater Elevation (in Feet)
- ND Non Detect
- NS Non Sampled
- P & A Plugged & Abandoned
- ppm Parts Per Million

Figure 8
BTEX Concentration
(9/25/06)
3rd Quarter
Plains Marketing, L.P.
LF-37
Lea County, NM

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

Scale: 1" = 100'	Prep By: LA	Checked By: CB
	March 1, 2007	



Legend:

- Former Excavation and Backfill Area
- Monitor Well Location
- (3627.68) Groundwater Elevation (In Feet)
- ND Non Detect
- NS Non Sampled
- P&A Plugged & Abandoned
- ppm Parts Per Million

Figure 9
BTEX Concentration
(12/29/06)
4th Quarter
Plains Marketing, L.P.
LF-37
Lea County, NM

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

Scale: 1" = 100'	Prep By: LA	Checked By: CB
	March 1, 2007	

TABLE 1

GROUNDWATER ELEVATION DATA

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	01/24/02	3,656.43	ND	28.94	0.00	3,627.49
	01/29/02	3,656.43	ND	28.87	0.00	3,627.56
	06/26/02	3,656.43	ND	28.88	0.00	3,627.55
	09/17/02	3,656.43	ND	29.04	0.00	3,627.39
	11/14/02	3,656.43	ND	28.98	0.00	3,627.45
	02/03/03	3,656.43	ND	29.03	0.00	3,627.40
	05/05/03	3,656.43	ND	29.07	0.00	3,627.36
	08/14/03	3,656.43	ND	29.05	0.00	3,627.38
	11/06/03	3,656.43	ND	29.10	0.00	3,627.33
	02/03/04	3,656.43	ND	29.07	0.00	3,627.36
	05/03/04	3,656.43	ND	28.42	0.00	3,628.01
	08/31/04	3,656.43	ND	28.63	0.00	3,627.80
	09/23/04	3,656.43	ND	19.57	0.00	3,636.86
	10/07/04	3,656.43	ND	14.76	0.00	3,641.67
	12/21/04	3,656.43	25.16	25.17	0.01	3,631.27
	03/16/05	3,656.43	ND	25.88	0.00	3,630.55
		P&A				
MW - 2	01/24/02	3,645.76	ND	19.93	0.00	3,625.83
	01/29/02	3,645.76	ND	19.81	0.00	3,625.95
	06/26/02	3,645.76	ND	19.83	0.00	3,625.93
	09/17/02	3,645.76	ND	20.04	0.00	3,625.72
	11/14/02	3,645.76	ND	19.82	0.00	3,625.94
	02/03/03	3,645.76	ND	19.90	0.00	3,625.86
	05/05/03	3,645.76	ND	19.99	0.00	3,625.77
	08/14/03	3,645.76	ND	20.11	0.00	3,625.65
	11/06/03	3,645.76	ND	20.18	0.00	3,625.58
	02/03/04	3,645.76	ND	20.15	0.00	3,625.61
	05/03/04	3,645.76	ND	19.41	0.00	3,626.35
	08/31/04	3,645.76	ND	19.77	0.00	3,625.99
	12/21/04	3,645.76	ND	16.31	0.00	3,629.45
	03/16/05	3,646.76	ND	17.24	0.00	3,629.52
	06/14/05	3,646.76	ND	17.73	0.00	3,629.03
	09/28/05	3,646.76	ND	16.65	0.00	3,630.11
	12/07/05	3,646.76	ND	18.00	0.00	3,628.76
	03/08/06	3,646.76	ND	18.07	0.00	3,628.69
	06/24/06	3,646.76	ND	18.43	0.00	3,628.33
	09/25/06	3,646.76	ND	17.56	0.00	3,629.20
	12/29/06	3,646.76	ND	17.33	0.00	3,629.43

TABLE 1

GROUNDWATER ELEVATION DATA

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	01/24/02	3,644.25	ND	19.31	0.00	3,624.94
	01/29/02	3,644.25	ND	19.23	0.00	3,625.02
	06/26/02	3,644.25	ND	19.23	0.00	3,625.02
	09/17/02	3,644.25	ND	19.43	0.00	3,624.82
	11/14/02	3,644.25	ND	19.27	0.00	3,624.98
	02/03/03	3,644.25	ND	19.28	0.00	3,624.97
	05/05/03	3,644.25	ND	19.33	0.00	3,624.92
	08/14/03	3,644.25	ND	19.51	0.00	3,624.74
	11/06/03	3,644.25	ND	19.57	0.00	3,624.68
	02/03/04	3,644.25	ND	19.56	0.00	3,624.69
	05/03/04	3,644.25	ND	18.70	0.00	3,625.55
	08/31/04	3,644.25	ND	19.04	0.00	3,625.21
	12/21/04	3,644.25	Sheen	15.76	0.00	3,628.49
	03/16/05	3,645.25	ND	16.74	0.00	3,628.51
	06/14/05	3,645.25	ND	17.27	0.00	3,627.98
	09/28/05	3,645.25	ND	17.19	0.00	3,628.06
	12/07/05	3,645.25	ND	17.50	0.00	3,627.75
	03/08/06	3,645.25	ND	17.58	0.00	3,627.67
	06/24/06	3,645.25	ND	18.06	0.00	3,627.19
	09/25/06	3,645.25	ND	17.19	0.00	3,628.06
	12/29/06	3,645.25	ND	16.90	0.00	3,628.35
MW - 4	01/24/02	3,643.81	ND	19.43	0.00	3,624.38
	01/29/02	3,643.81	ND	19.31	0.00	3,624.50
	06/26/02	3,643.81	ND	19.24	0.00	3,624.57
	09/17/02	3,643.81	ND	19.52	0.00	3,624.29
	11/14/02	3,643.81	ND	19.37	0.00	3,624.44
	02/03/03	3,643.81	ND	19.45	0.00	3,624.36
	05/05/03	3,643.81	ND	19.48	0.00	3,624.33
	08/14/03	3,643.81	ND	19.59	0.00	3,624.22
	11/06/03	3,643.81	ND	19.65	0.00	3,624.16
	02/03/04	3,643.81	ND	19.61	0.00	3,624.20
	05/03/04	3,643.81	ND	18.70	0.00	3,625.11
	08/31/04	3,643.81	ND	19.20	0.00	3,624.61
	09/23/04	3,643.81	Sheen	21.60	0.00	3,622.21
	10/07/04	3,643.81	Sheen	19.40	0.00	3,624.41
	12/21/04	3,643.81	ND	16.00	0.00	3,627.81
	03/16/05	3,644.81	ND	16.92	0.00	3,627.89
	06/14/05	3,644.81	ND	17.41	0.00	3,627.40
	09/28/05	3,644.81	ND	16.33	0.00	3,628.48
	12/07/05	3,644.81	ND	17.70	0.00	3,627.11
	03/08/06	3,644.81	ND	17.78	0.00	3,627.03
	06/24/06	3,644.81	ND	18.23	0.00	3,626.58
	09/25/06	3,644.81	ND	17.41	0.00	3,627.40
	12/29/06	3,644.81	ND	17.10	0.00	3,627.71

TABLE 1

GROUNDWATER ELEVATION DATA

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	01/24/02	3,644.69	ND	20.18	0.00	3,624.51
	01/29/02	3,644.69	ND	20.12	0.00	3,624.57
	06/26/02	3,644.69	ND	20.13	0.00	3,624.56
	09/17/02	3,644.69	ND	20.29	0.00	3,624.40
	11/14/02	3,644.69	ND	21.50	0.00	3,623.19
	02/03/03	3,644.69	ND	20.13	0.00	3,624.56
	05/05/03	3,644.69	ND	20.25	0.00	3,624.44
	08/14/03	3,644.69	ND	20.35	0.00	3,624.34
	11/06/03	3,644.69	ND	20.39	0.00	3,624.30
	02/03/04	3,644.69	ND	20.43	0.00	3,624.26
	05/03/04	3,644.69	ND	19.64	0.00	3,625.05
	08/31/04	3,644.69	ND	19.99	0.00	3,624.70
	09/23/04	3,644.69	Sheen	19.41	0.00	3,625.28
	12/21/04	3,644.69	ND	16.94	0.00	3,627.75
	03/16/05	3,645.69	ND	17.78	0.00	3,627.91
	06/14/05	3,645.69	ND	18.23	0.00	3,627.46
	09/28/05	3,645.69	ND	17.16	0.00	3,628.53
	12/07/05	3,645.69	ND	19.22	0.00	3,626.47
	03/08/06	3,645.69	ND	19.30	0.00	3,626.39
	06/24/06	3,645.69	ND	18.81	0.00	3,626.88
	09/25/06	3,645.69	ND	17.98	0.00	3,627.71
	12/29/06	3,645.69	ND	17.97	0.00	3,627.72
MW - 6	01/24/02	3,649.95	ND	24.83	0.00	3,625.12
	01/29/02	3,649.95	ND	24.80	0.00	3,625.15
	06/26/02	3,649.95	ND	24.85	0.00	3,625.10
	09/17/02	3,649.95	ND	24.95	0.00	3,625.00
	11/14/02	3,649.95	ND	24.86	0.00	3,625.09
	02/03/03	3,649.95	ND	24.80	0.00	3,625.15
	05/05/03	3,649.95	ND	24.93	0.00	3,625.02
	08/14/03	3,649.95	ND	25.01	0.00	3,624.94
	11/06/03	3,649.95	ND	25.05	0.00	3,624.90
	02/03/04	3,649.95	ND	25.07	0.00	3,624.88
	05/03/04	3,649.95	ND	24.49	0.00	3,625.46
	08/31/04	3,649.95	ND	24.73	0.00	3,625.22
	12/21/04	3,649.95	ND	21.95	0.00	3,628.00
	03/16/05	3,650.95	ND	22.48	0.00	3,628.47
	06/14/05	3,650.95	ND	22.85	0.00	3,628.10
	09/28/05	3,650.95	ND	21.77	0.00	3,629.18
	12/07/05	3,650.95	ND	23.16	0.00	3,627.79
	03/08/06	3,650.95	ND	23.22	0.00	3,627.73
	06/24/06	3,650.95	ND	23.76	0.00	3,627.19
	09/25/06	3,650.95	ND	22.88	0.00	3,628.07
	12/29/06	3,650.95	ND	22.60	0.00	3,628.35

TABLE 1

GROUNDWATER ELEVATION DATA

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	01/24/02	3,652.02	ND	25.76	0.00	3,626.26
	01/29/02	3,652.02	ND	25.74	0.00	3,626.28
	06/26/02	3,652.02	ND	25.79	0.00	3,626.23
	09/17/02	3,652.02	ND	25.90	0.00	3,626.12
	11/14/02	3,652.02	ND	25.73	0.00	3,626.29
	02/03/03	3,652.02	ND	25.76	0.00	3,626.26
	05/05/03	3,652.02	ND	25.88	0.00	3,626.14
	08/14/03	3,652.02	ND	25.95	0.00	3,626.07
	11/06/03	3,652.02	ND	25.99	0.00	3,626.03
	02/03/04	3,652.02	ND	26.03	0.00	3,625.99
	05/03/04	3,652.02	ND	25.48	0.00	3,626.54
	08/31/04	3,652.02	ND	25.65	0.00	3,626.37
	12/21/04	3,652.02	ND	22.80	0.00	3,629.22
	03/16/05	3,653.02	ND	23.28	0.00	3,629.74
		P&A				
MW - 8	01/24/02	3,649.12	ND	23.00	0.00	3,626.12
	01/29/02	3,649.12	ND	22.90	0.00	3,626.22
	06/26/02	3,649.12	ND	22.95	0.00	3,626.17
	09/17/02	3,649.12	ND	23.05	0.00	3,626.07
	11/14/02	3,649.12	ND	22.91	0.00	3,626.21
	02/03/03	3,649.12	ND	22.95	0.00	3,626.17
	05/05/03	3,649.12	ND	23.05	0.00	3,626.07
	08/14/03	3,649.12	ND	23.12	0.00	3,626.00
	11/06/03	3,649.12	ND	23.15	0.00	3,625.97
	02/03/04	3,649.12	ND	23.19	0.00	3,625.93
	05/03/04	3,649.12	ND	22.62	0.00	3,626.50
	08/31/04	3,649.12	ND	22.78	0.00	3,626.34
	12/21/04	3,649.12	ND	19.57	0.00	3,629.55
	03/16/05	3,649.12	ND	19.37	0.00	3,629.75
	06/14/05	3,649.12	ND	20.63	0.00	3,628.49
	09/28/05	3,649.12	ND	19.57	0.00	3,629.55
	12/07/05	3,649.12	ND	20.25	0.00	3,628.87
	03/08/06	3,649.12	ND	20.98	0.00	3,628.14
	06/24/06	3,649.12	ND	21.40	0.00	3,627.72
	09/25/06	3,649.12	ND	20.56	0.00	3,628.56
	12/29/06	3,649.12	ND	22.30	0.00	3,626.82

TABLE 1

GROUNDWATER ELEVATION DATA

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	01/24/02	3,646.40	ND	21.06	0.00	3,625.34
	01/29/02	3,646.40	ND	20.90	0.00	3,625.50
	06/26/02	3,646.40	ND	20.92	0.00	3,625.48
	09/17/02	3,646.40	ND	21.19	0.00	3,625.21
	11/14/02	3,646.40	ND	20.98	0.00	3,625.42
	02/03/03	3,646.40	ND	22.15	0.00	3,624.25
	05/05/03	3,646.40	ND	21.13	0.00	3,625.27
	08/14/03	3,646.40	ND	21.22	0.00	3,625.18
	11/06/03	3,646.40	ND	21.30	0.00	3,625.10
	02/03/04	3,646.40	ND	21.27	0.00	3,625.13
	05/03/04	3,646.40	ND	20.38	0.00	3,626.02
	08/31/04	P&A	ND	20.85	0.00	-20.85
	12/21/04	3,646.40	ND	17.09	0.00	3,629.31
	03/16/05	3,646.40	ND	18.19	0.00	3,628.21
	06/14/05	3,646.40	ND	18.88	0.00	3,627.52
	09/28/05	3,646.40	ND	18.01	0.00	3,628.39
	12/07/05	3,646.40	ND	19.12	0.00	3,627.28
	03/08/06	3,646.40	ND	19.21	0.00	3,627.19
	06/24/06	3,646.40	ND	19.63	0.00	3,626.77
	09/25/06	3,646.40	ND	18.75	0.00	3,627.65
	12/29/06	3,646.40	ND	18.38	0.00	3,628.02

Elevtions based on the North American Vertical Datum of 1929.

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 1	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
Plugged and Abandoned						

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 2	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
	12/07/05	<0.00100	<0.00100	<0.00100	<0.00100	
	12/29/06	<0.00100	<0.00100	<0.00100	<0.00100	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 3	01/29/02	0.006	<0.001	<0.001	0.001	<0.001
	06/26/02	0.014	<0.001	0.004	0.012	<0.001
	09/17/02	0.011	<0.001	<0.001	0.005	<0.001
	11/14/02	0.018	<0.001	0.003	0.028	<0.001
	02/04/03	0.035	<0.001	0.004	0.044	<0.001
	05/05/03	0.011	<0.001	0.002	0.012	<0.001
	08/14/03	0.011	0.001	0.002	0.016	<0.001
	11/06/03	0.016	<0.001	0.003	0.019	<0.001
	02/03/04	0.013	<0.001	0.003	0.015	<0.001
	05/03/04	0.0236	0.00177	0.0109	<0.001	<0.001
	08/31/04	0.00902	<0.001	0.00175	0.00442	<0.001
	12/21/04	0.0999	<0.005	<0.005	0.0099	<0.005
	03/16/05	0.037	<0.005	<0.005	<0.005	<0.005
	06/14/05	0.023	<0.005	<0.005	<0.005	<0.005
	09/28/05	0.0576	<0.001	0.00374	0.00578	<0.001
	12/07/05	0.0219	<0.00100	0.0038	<0.00100	
	03/08/06	0.0186	<0.00100	0.0021	0.00640	
	06/24/06	0.0085	<0.00100	0.00100	0.0028	
	09/25/06	0.0969	<0.00100	<0.00100	0.00280	
	12/29/06	0.406	<0.0200	<0.0200	<0.0200	

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 4	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
	06/16/05	<0.001	<0.001	<0.001	<0.001	<0.001
	12/07/05	<0.00100	<0.00100	<0.00100	0.0031	
	03/09/06	<0.00100	<0.00100	<0.00100	<0.00100	
	06/24/06	<0.00100	<0.00100	<0.00100	<0.00100	
	12/29/06	<0.00100	<0.00100	<0.00100	<0.00100	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 5	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	0.0198	<0.001	0.00527	0.00587	<0.001
	12/07/05	<0.00100	<0.00100	<0.00100	<0.00100	
	12/29/06	<0.00100	<0.00100	<0.00100	<0.00100	

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 6	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
	12/07/05	<0.00100	<0.00100	<0.00100	<0.00100	
	12/29/06	<0.00100	<0.00100	<0.00100	<0.00100	

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 7	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
Plugged and Abandoned						

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 8	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
	12/07/05	<0.00100	<0.00100	<0.00100	<0.00100	
	12/29/06	<0.00100	<0.00100	<0.00100	<0.00100	
SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 9	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
	12/07/05	<0.00100	<0.00100	<0.00100	<0.00100	
	12/29/06	<0.00100	<0.00100	<0.00100	<0.00100	
SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
EB - 1	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001

Note: EB denotes Equipment Blar

Summary Report

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

Report Date: March 14, 2006

Work Order: 6031303

EMS#: 1999-LF-37
Project Location: Monument,NM
Project Name: LF-37

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
85773	MW-3	water	2006-03-08	14:32	2006-03-10

	BTEX				MTBE
	Benzene	Toluene	Ethylbenzene	Xylene	MTBE
Sample - Field Code	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
85773 - MW-3	**0.0186**	<0.00100	**0.00210**	**0.00640**	

TRACEANALYSIS, INC.

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E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

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

Report Date: March 14, 2006

Work Order: 6031303

EMS#: 1999-LF-37
Project Location: Monument,NM
Project Name: LF-37
Project Number: LF-37 (Plains)

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
85773	MW-3	water	2006-03-08	14:32	2006-03-10

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.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 85773 - MW-3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	25198	Date Analyzed:	2006-03-13	Analyzed By:	KB
Prep Batch:	22141	Sample Preparation:	2006-03-13	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0186**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		**0.00210**	mg/L	1	0.00100
Xylene		**0.00640**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.104	mg/L	1	0.100	104	66.2 - 127.7
4-Bromofluorobenzene (4-BFB)	[1]	0.146	mg/L	1	0.100	146	70.6 - 129.2

Method Blank (1) QC Batch: 25198

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000255	mg/L	0.001
Toluene		<0.000210	mg/L	0.001
Ethylbenzene		<0.000317	mg/L	0.001
Xylene		<0.00181	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.102	mg/L	1	0.100	102	76.1 - 117
4-Bromofluorobenzene (4-BFB)		0.0925	mg/L	1	0.100	92	58.5 - 118

Laboratory Control Spike (LCS-1) QC Batch: 25198

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.101	0.104	mg/L	1	0.100	<0.000255	101	3	80.8 - 112	20
Toluene	0.100	0.104	mg/L	1	0.100	<0.000210	100	4	78 - 114	20
Ethylbenzene	0.0999	0.105	mg/L	1	0.100	<0.000317	100	5	78.6 - 116	20
Xylene	0.300	0.314	mg/L	1	0.300	<0.00181	100	5	83.2 - 112	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)	0.105	0.103	mg/L	1	0.100	105	103	79.9 - 117
4-Bromofluorobenzene (4-BFB)	0.107	0.108	mg/L	1	0.100	107	108	79 - 123

[1] High surrogate recovery due to peak interference.

Matrix Spike (MS-1) QC Batch: 25198 Spiked Sample: 85771

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	[2]	0.0947	NA	mg/L	1	0.100	<0.000255	95	200	70.9 - 126	20
Toluene	[3]	0.0951	NA	mg/L	1	0.100	<0.000210	95	200	70.8 - 125	20
Ethylbenzene	[4]	0.0958	NA	mg/L	1	0.100	<0.000317	96	200	74.8 - 125	20
Xylene	[5]	0.290	NA	mg/L	1	0.300	<0.00181	97	200	75.7 - 126	20

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	73.6 - 121
4-Bromofluorobenzene (4-BFB)	[7]	0.105	NA	mg/L	1	0.1	105	0	81.8 - 114

Standard (ICV-1) QC Batch: 25198

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.105	105	85 - 115	2006-03-13
Toluene		mg/L	0.100	0.104	104	85 - 115	2006-03-13
Ethylbenzene		mg/L	0.100	0.104	104	85 - 115	2006-03-13
Xylene		mg/L	0.300	0.314	104	85 - 115	2006-03-13

Standard (CCV-1) QC Batch: 25198

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.101	101	85 - 115	2006-03-13
Toluene		mg/L	0.100	0.100	100	85 - 115	2006-03-13
Ethylbenzene		mg/L	0.100	0.100	100	85 - 115	2006-03-13
Xylene		mg/L	0.300	0.302	101	85 - 115	2006-03-13

[2]RPD is out of range because a matrix spike duplicate was not prepared.
[3]RPD is out of range because a matrix spike duplicate was not prepared.
[4]RPD is out of range because a matrix spike duplicate was not prepared.
[5]RPD is out of range because a matrix spike duplicate was not prepared.
[6]RPD is out of range because a matrix spike duplicate was not prepared.
[7]RPD is out of range because a matrix spike duplicate was not prepared.

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El Paso, Texas 79932
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 6031303

Company Name: BBC International
Phone #: 505) 391 6388
Address: (Street, City, Zip) 1324 W. Marland Hobbs, NM 88240
Fax #: 505) 397 0397
e-mail:
Contact Person: Cliff Brunson
Invoice to: (If different from above)
Project #:
Project Name: LF-37
Project Location: Monument NM.
Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
35773	MW # 3	2	VOA	✓				✓				✓		3-8-06	2:52

ANALYSIS REQUEST
(Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021B	TPH 418.1/TX1005	TX 1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	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	Hold
	✓																				

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Roger Hernandez	3-9-06	10:00am			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by: Brenda Ward	3/10/06	3:10

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

ORIGINAL COPY

LAB USE ONLY

Intact (Y) N
Headspace Y (N)
Temp 4 °
Log-in Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Carrier # Courier

Report Date: March 14, 2006
LF-37 (Plains)

Work Order: 6031303
LF-37

Page Number: 4 of 4
Monument, NM

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 603130 3

Company Name: BBC INTERNATIONAL
Phone #: 505) 391 6388
Address: (Street, City, Zip) 1324 W. MARLAND HOBBS, NM 88240
Fax #: 505) 397 0397
e-mail:
Contact Person: CLIFF BRONSON
Invoice to: (If different from above)
Project #:
Project Name: LF-37
Project Location: MONUMENT NM.
Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
85773	MW # 3	2	VOA	✓				✓				✓		3-8-06	[redacted]
															2:32

ANALYSIS REQUEST
(Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021B	TPH 418.1/TX1005	TX 1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	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	Hold
	✓																				

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Roger Hernandez	3-9-06	10:00am			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by: Brenda Ward	Date: 3/10/06	Time: 3:10

LAB USE ONLY

Intact (Y) / N
Headspace Y (N)
Temp 4 °
Log-in Review BP

REMARKS:

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

3/17 GP

Carrier # Carry In

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

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TRACEANALYSIS, INC.

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E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

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

Report Date: July 3, 2006

Work Order: 6062718

EMS#: 1999-LF-37
Project Location: Monument,NM
Project Name: LF-37
Project Number: LF-37 (Plains)

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
93783	MW #3	water	2006-06-24	10:20	2006-06-27
93784	MW #4	water	2006-06-24	10:50	2006-06-27

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.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 93783 - MW #3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	27732	Date Analyzed:	2006-06-29	Analyzed By:	KB
Prep Batch:	24313	Sample Preparation:	2006-06-29	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00850**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		**0.00100**	mg/L	1	0.00100
Xylene		**0.00280**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.101	mg/L	1	0.100	101	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.126	mg/L	1	0.100	126	46.4 - 136.5

Sample: 93784 - MW #4

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	27732	Date Analyzed:	2006-06-29	Analyzed By:	KB
Prep Batch:	24313	Sample Preparation:	2006-06-29	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)		0.0993	mg/L	1	0.100	99	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.110	mg/L	1	0.100	110	46.4 - 136.5

Method Blank (1) QC Batch: 27732

QC Batch:	27732	Date Analyzed:	2006-06-29	Analyzed By:	KB
Prep Batch:	24313	QC Preparation:	2006-06-29	Prepared By:	KB

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000153	mg/L	0.001
Toluene		<0.000283	mg/L	0.001
Ethylbenzene		<0.000621	mg/L	0.001
Xylene		<0.000456	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.100	mg/L	1	0.100	100	77.4 - 109
4-Bromofluorobenzene (4-BFB)		0.107	mg/L	1	0.100	107	63.8 - 118

Laboratory Control Spike (LCS-1)

QC Batch: 27732 | Date Analyzed: 2006-06-29 | Analyzed By: KB
Prep Batch: 24313 | QC Preparation: 2006-06-29 | Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.100	mg/L	1	0.100	<0.000153	100	80 - 120
Toluene	0.101	mg/L	1	0.100	<0.000283	101	80 - 120
Ethylbenzene	0.100	mg/L	1	0.100	<0.000621	100	80 - 120
Xylene	0.301	mg/L	1	0.300	<0.000456	100	80 - 120

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.102	mg/L	1	0.100	<0.000153	102	80 - 120	2	20
Toluene	0.102	mg/L	1	0.100	<0.000283	102	80 - 120	1	20
Ethylbenzene	0.102	mg/L	1	0.100	<0.000621	102	80 - 120	2	20
Xylene	0.304	mg/L	1	0.300	<0.000456	101	80 - 120	1	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)	0.107	0.108	mg/L	1	0.100	107	108	80 - 120
4-Bromofluorobenzene (4-BFB)	0.114	0.114	mg/L	1	0.100	114	114	80 - 120

Matrix Spike (MS-1) Spiked Sample: 93888

QC Batch: 27732 | Date Analyzed: 2006-06-29 | Analyzed By: KB
Prep Batch: 24313 | QC Preparation: 2006-06-29 | Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.112	mg/L	1	0.100	0.0035	108	88.4 - 114
Toluene	0.0870	mg/L	1	0.100	0.0004	87	81.4 - 116
Ethylbenzene	0.102	mg/L	1	0.100	0.0049	97	82.5 - 118
Xylene	0.354	mg/L	1	0.300	0.0453	103	77.9 - 117

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene [1]	NA	mg/L	1	0.100	0.0035	0	88.4 - 114	200	20

continued ...

[1]RPD is out of range because a matrix spike duplicate was not prepared.

matrix spikes continued ...

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Toluene	[2]	NA	mg/L	1	0.100	0.0004	0	81.4 - 116	200	20
Ethylbenzene	[3]	NA	mg/L	1	0.100	0.0049	0	82.5 - 118	200	20
Xylene	[4]	NA	mg/L	1	0.300	0.0453	0	77.9 - 117	200	20

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)	[5]	0.0876	NA	mg/L	1	0.1	88	0	84 - 109
4-Bromofluorobenzene (4-BFB)	[6] [7]	0.144	NA	mg/L	1	0.1	144	0	74 - 120

Standard (ICV-1)

QC Batch: 27732 | Date Analyzed: 2006-06-29 | Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.104	104	85 - 115	2006-06-29
Toluene		mg/L	0.100	0.104	104	85 - 115	2006-06-29
Ethylbenzene		mg/L	0.100	0.103	103	85 - 115	2006-06-29
Xylene		mg/L	0.300	0.309	103	85 - 115	2006-06-29

Standard (CCV-1)

QC Batch: 27732 | Date Analyzed: 2006-06-29 | Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.100	100	85 - 115	2006-06-29
Toluene		mg/L	0.100	0.101	101	85 - 115	2006-06-29
Ethylbenzene		mg/L	0.100	0.100	100	85 - 115	2006-06-29
Xylene		mg/L	0.300	0.303	101	85 - 115	2006-06-29

[2]RPD is out of range because a matrix spike duplicate was not prepared.
[3]RPD is out of range because a matrix spike duplicate was not prepared.
[4]RPD is out of range because a matrix spike duplicate was not prepared.
[5]RPD is out of range because a matrix spike duplicate was not prepared.
[6]Surrogate recovery out of control on MS/MSD due to matrix interference. LCS/LCSD show method to be in control.
[7]RPD is out of range because a matrix spike duplicate was not prepared.

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TraceAnalysis, Inc.

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El Paso, Texas 79932
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1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 60602718

Company Name: BBC International
Phone #: (505) 397 6388
Address: (Street, City, Zip) 1324 W. Marland
Fax #:
e-mail: (505) 3970397
Contact Person: Cliff Brunson
Invoice to: (If different from above)
Project #:
Project Name: LF. 37
Project Location: Monument NM
Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
93783	MW # 4	2	VOA	✓				✓				✓		6-24	10:20
84	MW # 3	2	VOA	✓				✓				✓		6-24	10:50

ANALYSIS REQUEST (Circle or Specify Method No.)

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/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	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	Hold
	✓																				
	✓																				

Relinquished by: Rogen Hernandez Date: 6-24-06 Time: 5:20
Received by: Date: Time:
Relinquished by: Date: Time:
Received by: Date: Time:
Relinquished by: Date: Time:
Received at Laboratory by: Megan McCall Date: 6-26-06 Time: 1030

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

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LAB USE ONLY

Intact (Y) N
Headspace Y (N)
Temp 4 °
Log-in Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Carrier # BUS GLI 168724 1413

Summary Report

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

Report Date: September 28, 2006

Work Order: 6092711

EMS#: 1999-LF-37
Project Location: Monument,NM
Project Name: LF-37

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
104495	MW-3	water	2006-09-25	10:55	2006-09-27

		BTEX				MTBE
Sample - Field Code		Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)
104495 - MW-3		**0.0696**	<0.00100	<0.00100	**0.00280**	

TRACEANALYSIS, INC.

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Analytical and Quality Control Report

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

Report Date: September 28, 2006

Work Order: 6092711

EMS#: 1999-LF-37
Project Location: Monument,NM
Project Name: LF-37
Project Number: LF-37 (Plains)

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
104495	MW-3	water	2006-09-25	10:55	2006-09-27

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 5 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 104495 - MW-3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	30442	Date Analyzed:	2006-09-27	Analyzed By:	KB
Prep Batch:	26524	Sample Preparation:	2006-09-27	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0696**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.00280**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0988	mg/L	1	0.100	99	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.110	mg/L	1	0.100	110	46.4 - 136.5

Method Blank (1) QC Batch: 30442

QC Batch:	30442	Date Analyzed:	2006-09-27	Analyzed By:	KB
Prep Batch:	26524	QC Preparation:	2006-09-27	Prepared By:	KB

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000153	mg/L	0.001
Toluene		<0.000283	mg/L	0.001
Ethylbenzene		<0.000621	mg/L	0.001
Xylene		<0.000456	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0788	mg/L	1	0.100	79	72.5 - 101
4-Bromofluorobenzene (4-BFB)		0.0757	mg/L	1	0.100	76	52.9 - 106

Laboratory Control Spike (LCS-1)

QC Batch:	30442	Date Analyzed:	2006-09-27	Analyzed By:	KB
Prep Batch:	26524	QC Preparation:	2006-09-27	Prepared By:	KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0957	mg/L	1	0.100	<0.000153	96	77.5 - 112
Toluene	0.0931	mg/L	1	0.100	<0.000283	93	75.6 - 115
Ethylbenzene	0.0931	mg/L	1	0.100	<0.000621	93	72.5 - 121
Xylene	0.279	mg/L	1	0.300	<0.000456	93	69.4 - 127

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0995	mg/L	1	0.100	<0.000153	96	77.5 - 112	4	20
Toluene	0.0966	mg/L	1	0.100	<0.000283	93	75.6 - 115	4	20
Ethylbenzene	0.0962	mg/L	1	0.100	<0.000621	93	72.5 - 121	3	20
Xylene	0.288	mg/L	1	0.300	<0.000456	93	69.4 - 127	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)	0.0945	0.102	mg/L	1	0.100	94	102	78.8 - 111
4-Bromofluorobenzene (4-BFB)	0.0981	0.103	mg/L	1	0.100	98	103	71.7 - 121

Matrix Spike (MS-1) Spiked Sample: 104485

QC Batch: 30442 | Date Analyzed: 2006-09-27 | Analyzed By: KB
Prep Batch: 26524 | QC Preparation: 2006-09-27 | Prepared By: KB

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	[1]	0.925	mg/L	1	0.100	0.8687	56	88.4 - 114
Toluene	[2]	0.879	mg/L	1	0.100	0.8237	55	81.4 - 116
Ethylbenzene		0.130	mg/L	1	0.100	0.0297	100	82.5 - 118
Xylene		0.973	mg/L	1	0.300	0.6864	96	77.9 - 117

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

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	[3]	NA	mg/L	1	0.100	0.8687	0	88.4 - 114	200	20
Toluene	[4]	NA	mg/L	1	0.100	0.8237	0	81.4 - 116	200	20
Ethylbenzene	[5]	NA	mg/L	1	0.100	0.0297	0	82.5 - 118	200	20
Xylene	[6]	NA	mg/L	1	0.300	0.6864	0	77.9 - 117	200	20

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)	[7] [8]	0.175	NA	mg/L	1	0.1	175	0	84 - 109
4-Bromofluorobenzene (4-BFB)	[9]	0.115	NA	mg/L	1	0.1	115	0	74 - 120

Standard (ICV-1)

QC Batch: 30442 | Date Analyzed: 2006-09-27 | Analyzed By: KB

[1]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[2]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[3]RPD is out of range because a matrix spike duplicate was not prepared.
[4]RPD is out of range because a matrix spike duplicate was not prepared.
[5]RPD is out of range because a matrix spike duplicate was not prepared.
[6]RPD is out of range because a matrix spike duplicate was not prepared.
[7]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[8]RPD is out of range because a matrix spike duplicate was not prepared.
[9]RPD 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	0.0950	95	85 - 115	2006-09-27
Toluene		mg/L	0.100	0.0938	94	85 - 115	2006-09-27
Ethylbenzene		mg/L	0.100	0.0961	96	85 - 115	2006-09-27
Xylene		mg/L	0.300	0.289	96	85 - 115	2006-09-27

Standard (CCV-1)

QC Batch: 30442 | Date Analyzed: 2006-09-27 | Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0999	100	85 - 115	2006-09-27
Toluene		mg/L	0.100	0.0985	98	85 - 115	2006-09-27
Ethylbenzene		mg/L	0.100	0.0941	94	85 - 115	2006-09-27
Xylene		mg/L	0.300	0.284	95	85 - 115	2006-09-27

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

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TraceAnalysis, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 6092711

Company Name: BBC International
Phone #: (505) 3976388
Address: (Street, City, Zip) 1324 W. Maryland
Fax #: (505) 3970397
Contact Person: Cliff Bauman
E-mail:
Invoice to:
(If different from above)
Project #:
Project Name: LF-37
Project Location (including state): Monument New Mexico
Sampler Signature: Rojas Hernandez

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
164495	MW # 3 (VOA)	2	VOA	✓				✓						9.25.06	10:55

MTBE 8021B / 602 / 8260B / 624	BTEX 8021 [redacted]	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	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	Hold
	✓																	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Rojas Hernandez	9.26.06	3:30			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by: Rebecca Ripley	Date: 9-27-06	Time: 9:30

LAB USE ONLY

Intact (Y) N
Headspace Y / N
Temp 4°C
Log-in-Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Report Date: September 28, 2006
LF-37 (Plains)

Work Order: 6092711
LF-37

Page Number: 5 of 5
Monument,NM

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 6092711

Company Name: BBC International	Phone #: (505) 3976388
Address: (Street, City, Zip) 1324 W. Maryland	Fax #: (505) 3970397
Contact Person: Cliff Bauman	E-mail:
Invoice to: (If different from above)	
Project #:	Project Name: LF-37
Project Location (including state): Monument New Mexico	Sampler Signature: Roger Hernandez

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
164495	MW # 3 (VOA)	2	VOA	✓				✓						9.25.06	10:55

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	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	Hold
	✓																	

	Date:	Time:	Received by:	Date:	Time:
Relinquished by: Roger Hernandez	9.26.06	3:30			
Relinquished by:			Received by:		
Relinquished by:			Received at Laboratory by: Rebecca Ripley	9-27-06	9:30

LAB USE ONLY

Intact Y / N
Headspace Y / N
Temp 4°C
Log-in-Review MA

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

9/28 fp

Carrier # BUSC-T 1109 0185 1361

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

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Summary Report

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

Report Date: January 3, 2007

Work Order: 7010208

EMS#: 1999-LF-37
Project Location: Monument,NM
Project Name: LF-37

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
112900	MW-2	water	2006-12-29	11:29	2006-12-30
112901	MW-3	water	2006-12-29	12:04	2006-12-30
112902	MW-5	water	2006-12-29	12:35	2006-12-30
112903	MW-6	water	2006-12-29	13:03	2006-12-30
112904	MW-8	water	2006-12-29	13:40	2006-12-30
112905	MW-9	water	2006-12-29	14:01	2006-12-30
112906	MW-4	water	2006-12-29	14:30	2006-12-30

	BTEX				MTBE
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)
112900 - MW-2	<0.00100	<0.00100	<0.00100	<0.00100	
112901 - MW-3	**0.406**	<0.0200	<0.0200	<0.0200	
112902 - MW-5	<0.00100	<0.00100	<0.00100	<0.00100	
112903 - MW-6	<0.00100	<0.00100	<0.00100	<0.00100	
112904 - MW-8	<0.00100	<0.00100	<0.00100	<0.00100	
112905 - MW-9	<0.00100	<0.00100	<0.00100	<0.00100	
112906 - MW-4	<0.00100	<0.00100	<0.00100	<0.00100	

TRACEANALYSIS, INC.

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Analytical and Quality Control Report

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

Report Date: January 3, 2007

Work Order: 7010208

EMS#: 1999-LF-37
Project Location: Monument,NM
Project Name: LF-37
Project Number: LF-37 (Plains)

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
112900	MW-2	water	2006-12-29	11:29	2006-12-30
112901	MW-3	water	2006-12-29	12:04	2006-12-30
112902	MW-5	water	2006-12-29	12:35	2006-12-30
112903	MW-6	water	2006-12-29	13:03	2006-12-30
112904	MW-8	water	2006-12-29	13:40	2006-12-30
112905	MW-9	water	2006-12-29	14:01	2006-12-30
112906	MW-4	water	2006-12-29	14:30	2006-12-30

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

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 112900 - MW-2

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	33299	Date Analyzed:	2007-01-02	Analyzed By:	KB
Prep Batch:	28946	Sample Preparation:	2007-01-02	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)		0.0933	mg/L	1	0.100	93	65.6 - 126
4-Bromofluorobenzene (4-BFB)		0.0945	mg/L	1	0.100	94	75.8 - 117

Sample: 112901 - MW-3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	33299	Date Analyzed:	2007-01-02	Analyzed By:	KB
Prep Batch:	28946	Sample Preparation:	2007-01-02	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.406**	mg/L	20	0.00100
Toluene		<0.0200	mg/L	20	0.00100
Ethylbenzene		<0.0200	mg/L	20	0.00100
Xylene		<0.0200	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.85	mg/L	20	2.00	92	65.6 - 126
4-Bromofluorobenzene (4-BFB)		1.96	mg/L	20	2.00	98	75.8 - 117

Sample: 112902 - MW-5

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	33299	Date Analyzed:	2007-01-02	Analyzed By:	KB
Prep Batch:	28946	Sample Preparation:	2007-01-02	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)		0.0921	mg/L	1	0.100	92	65.6 - 126
4-Bromofluorobenzene (4-BFB)		0.0927	mg/L	1	0.100	93	75.8 - 117

Sample: 112903 - MW-6

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	33299	Date Analyzed:	2007-01-02	Analyzed By:	KB
Prep Batch:	28946	Sample Preparation:	2007-01-02	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)		0.0944	mg/L	1	0.100	94	65.6 - 126
4-Bromofluorobenzene (4-BFB)		0.0957	mg/L	1	0.100	96	75.8 - 117

Sample: 112904 - MW-8

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	33299	Date Analyzed:	2007-01-02	Analyzed By:	KB
Prep Batch:	28946	Sample Preparation:	2007-01-02	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)		0.0951	mg/L	1	0.100	95	65.6 - 126
4-Bromofluorobenzene (4-BFB)		0.0951	mg/L	1	0.100	95	75.8 - 117

Sample: 112905 - MW-9

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	33299	Date Analyzed:	2007-01-02	Analyzed By:	KB
Prep Batch:	28946	Sample Preparation:	2007-01-02	Prepared By:	KB

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

continued ...

sample 112905 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
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)		0.0926	mg/L	1	0.100	93	65.6 - 126
4-Bromofluorobenzene (4-BFB)		0.0930	mg/L	1	0.100	93	75.8 - 117

Sample: 112906 - MW-4

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	33299	Date Analyzed:	2007-01-02	Analyzed By:	KB
Prep Batch:	28946	Sample Preparation:	2007-01-02	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)		0.0946	mg/L	1	0.100	95	65.6 - 126
4-Bromofluorobenzene (4-BFB)		0.0989	mg/L	1	0.100	99	75.8 - 117

Method Blank (1) QC Batch: 33299

QC Batch:	33299	Date Analyzed:	2007-01-02	Analyzed By:	KB
Prep Batch:	28946	QC Preparation:	2007-01-02	Prepared By:	KB

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000255	mg/L	0.001
Toluene		<0.000210	mg/L	0.001
Ethylbenzene		<0.000317	mg/L	0.001
Xylene		<0.000603	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0940	mg/L	1	0.100	94	76.5 - 114
4-Bromofluorobenzene (4-BFB)		0.0936	mg/L	1	0.100	94	25.1 - 126.4

Laboratory Control Spike (LCS-1)

QC Batch: 33299 | Date Analyzed: 2007-01-02 | Analyzed By: KB
Prep Batch: 28946 | QC Preparation: 2007-01-02 | Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0991	mg/L	1	0.100	<0.000255	99	82 - 119
Toluene	0.0994	mg/L	1	0.100	<0.000210	99	80.7 - 118
Ethylbenzene	0.102	mg/L	1	0.100	<0.000317	102	79.3 - 120
Xylene	0.311	mg/L	1	0.300	<0.000603	104	80.1 - 120

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0966	mg/L	1	0.100	<0.000255	97	82 - 119	3	20
Toluene	0.0968	mg/L	1	0.100	<0.000210	97	80.7 - 118	3	20
Ethylbenzene	0.0989	mg/L	1	0.100	<0.000317	99	79.3 - 120	3	20
Xylene	0.303	mg/L	1	0.300	<0.000603	101	80.1 - 120	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)	0.0947	0.0930	mg/L	1	0.100	95	93	79.7 - 115
4-Bromofluorobenzene (4-BFB)	0.0947	0.0934	mg/L	1	0.100	95	93	66.4 - 127

Matrix Spike (MS-1) Spiked Sample: 112903

QC Batch: 33299 | Date Analyzed: 2007-01-02 | Analyzed By: KB
Prep Batch: 28946 | QC Preparation: 2007-01-02 | Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0918	mg/L	1	0.100	<0.000255	92	78.2 - 121
Toluene	0.0913	mg/L	1	0.100	<0.000210	91	73.7 - 122
Ethylbenzene	0.0934	mg/L	1	0.100	<0.000317	93	72.6 - 123
Xylene	0.286	mg/L	1	0.300	<0.000603	95	76.4 - 121

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0956	mg/L	1	0.100	<0.000255	96	78.2 - 121	4	20
Toluene	0.0955	mg/L	1	0.100	<0.000210	96	73.7 - 122	4	20
Ethylbenzene	0.0969	mg/L	1	0.100	<0.000317	97	72.6 - 123	4	20
Xylene	0.299	mg/L	1	0.300	<0.000603	100	76.4 - 121	4	20

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)	0.0954	0.0935	mg/L	1	0.1	95	94	78.9 - 116
4-Bromofluorobenzene (4-BFB)	0.0960	0.0946	mg/L	1	0.1	96	95	67.9 - 122

Standard (ICV-1)

QC Batch: 33299 | Date Analyzed: 2007-01-02 | Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0957	96	85 - 115	2007-01-02
Toluene		mg/L	0.100	0.0960	96	85 - 115	2007-01-02
Ethylbenzene		mg/L	0.100	0.0983	98	85 - 115	2007-01-02
Xylene		mg/L	0.300	0.300	100	85 - 115	2007-01-02

Standard (CCV-1)

QC Batch: 33299 | Date Analyzed: 2007-01-02 | Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0939	94	85 - 115	2007-01-02
Toluene		mg/L	0.100	0.0936	94	85 - 115	2007-01-02
Ethylbenzene		mg/L	0.100	0.0949	95	85 - 115	2007-01-02
Xylene		mg/L	0.300	0.291	97	85 - 115	2007-01-02

LAB Order ID # 7010208 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9, Lubbock, Texas 79424, Tel (806) 794-1296, Fax (806) 794-1298, 1 (800) 378-1296

5002 Basin Street, Suite A1, Midland, Texas 79703, Tel (432) 689-6301, Fax (432) 689-6313

200 East Sunset Rd., Suite E, El Paso, Texas 79922, Tel (915) 585-3443, Fax (915) 585-4944, 1 (888) 588-3443

6015 Harris Pkwy., Suite 110, Ft. Worth, Texas 76132, Tel (817) 201-5260

Company Name: BBC INTERNATIONAL — Phone #: (505) 397-6388

Address: (Street, City, Zip) 1329 W. MARLAND — Fax #: (505) 397-0397

Contact Person: Cliff Brunson — E-mail:

Invoice to: (If different from above)

Project #: — Project Name: LF-37

Project Location (including state): — Sampler Signature: Roger Hernandez

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
112902	MW #2	3	VOA	✓				✓						12-29	11:29
01	MW #3	3		✓				✓						12-29	12:04
02	MW #5	3		✓				✓						12-29	12:35
03	MW #6	3		✓				✓						12-29	1:03
04	MW #8	2		✓				✓						12-29	1:40
05	MW #9	3		✓				✓						12-29	2:01
06	MW #11	3	VOA	✓				✓						12-29	2:30

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	SOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
	✓																	
	✓																	
	✓																	
	✓																	
	✓																	
	✓																	
	✓																	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Roger Hernandez	12/29	3:06			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
				12/29/06	1615

LAB USE ONLY

Intact (Y) N

Headspace Y (N)

Temp 3

Log-in-Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Carrier # Greyhound 303806666

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

ORIGINAL COPY

Report Date: January 3, 2007
LF-37 (Plains)

Work Order: 7010208
LF-37

Page Number: 7 of 7
Monument,NM

LAB Order ID # 7010208 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
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Tel (432) 689-6301
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El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

6015 Harris Pkwy., Suite 110
Ft. Worth, Texas 76132
Tel (817) 201-5260

Company Name: BBC INTERNATIONAL
Phone #: (505) 3976388
Address: (Street, City, Zip) 1324 W. MARLAND
Fax #: (505) 3970397
Contact Person: Cliff Brunson
E-mail:
Invoice to: (If different from above)
Project #:
Project Name: LF-37
Project Location (including state):
Sampler Signature: Roger Hernandez

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
112900	MW #2	3	VOA	✓				✓						12.29	11:29
01	MW #3	3		✓				✓						12.29	12:04
02	MW #5	3		✓				✓						12.29	12:35
03	MW #6	3		✓				✓						12.29	1:03
04	MW #8	#2		✓				✓						12.29	1:40
05	MW #9	3		✓				✓						12.29	2:01
06	MW #4	3	VOA	✓				✓						12.29	2:30

ANALYSIS REQUEST	
MTBE 8021B / 602 / 8260B / 624	
BTEX 8021B / [redacted] / [redacted]	✓
TPH 418.1 / TX1005 / TX1005 Ext(C35)	
TPH 8015 GRO / DRO / TVHC	
PAH 8270C / 625	
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
TCLP Pesticides	
RCI	
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	
Hold	

	Date:	Time:		Date:	Time:
Relinquished by: Roger Hernandez	12/29	3:06	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received at Laboratory by:	12/29/06	1015

LAB USE ONLY
Intact Y N
Headspace Y N
Temp 3
Log-in-Review

REMARKS:
PFE 1/3/07

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Carrier # Greyhound 303806666

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

ORIGINAL COPY

District II - (505) 748-1283
811 South First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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: EOTT Energy Pipeline	Contact: Lennah Frost
Address: PO Box 1660, Midland TX 79703	Telephone No.: 915/6843467
Facility Name:	Facility Type: pipeline

Surface Owner	Mineral Owner	Lease No.
Jimmie Cooper		

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	19	19-S	37-E					Lea

NATURE OF RELEASE

Type of Release: Crude oil	Volume of Release: 5 bbls	Volume Recovered: 3 bbls
Source of Release: Corrosion leak - pipeline	Date and Hour of Occurrence: 5/4/99 3pm	Date and Hour of Discovery: 5/4/99 3pm
Was Immediate Notice Given? ☑ Yes ☐ No ☐ Not Required	If YES, To Whom? Sylvia	
By Whom? Lennah Frost	Date and Hour: 5/4/99 4:30 pm	
Was a Watercourse Reached? ☐ Yes ☑ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully. (Attach Additional Sheets If Necessary)

Describe Cause of Problem and Remedial Action Taken. (Attach Additional Sheets If Necessary)
This line had been idled but not de-oil. Small Corrosion leak. Line will be de-oiled & taken out of service

Describe Area Affected and Cleanup Action Taken. (Attach Additional Sheets If Necessary)
All contaminated soil was excavated & disposed of @ C&C Landfarm. As of 5-14-99 1492 cu yd have been excavated. Should be complete by 5-18-99

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

Signature: Lennah Frost	OIL CONSERVATION DIVISION
Printed Name: Lennah Frost	Approved by District Supervisor:
Title: SR. ENV. ENGINEER	Approval Date: / Expiration Date:
Date: 5-14-99 Phone: 915/6843467	Conditions of Approval: / Attached ☐

WORLD-WIDE ENVIRONMENTAL SPECIALISTS

BBC INTERNATIONAL
INCORPORATED

PHONE (505) 397-6388 • FAX (505) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: cbrunson@bbcinternational.com

Revised due to incorrect Section and Township information: July 19, 2006

March 31, 2006

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

RE: Plains Marketing, L.P
Plains EMS No.: 1999-LF-37
LF-37 Site, Section 19, T 19S, R37E, Lea County, NM
Monument, NM

Dear Mr. Martin:

On behalf of Plains Marketing, L. P (Plains), BBC International, Inc. (BBC) respectfully submits the following plan to finalize the soil remediation phase of this above referenced site. This site is the one we discussed last year on June 16, 2004.

This site was a pipeline release in 1999 that was addressed by excavating approximately 16,000 cubic yards. The plan was to excavate the soil, place a clay barrier in the bottom of the excavation, then backfill to grade. The excavation was performed; however, it was determined at a later date that the installation of the clay liner could not be confirmed. There were nine groundwater monitoring wells installed at the site that had been continuously monitored with only one well in the center that had BTEX constituents over WQCC standards. In 2005, two wells were approved by the NMOCD for closure and were closed. The groundwater data still only shows the one well to be over WQCC standards.

As we discussed, Plains proposes to remove 3-4 feet of the top soil at the site in the area of the original excavation, install a clay liner, then replace the top soil on top of the liner and contour to grade. This process will provide a protective barrier for the groundwater from migration. The site will then be prepared for the return of natural vegetation.

Plains would appreciate the approval of this process that will protect the groundwater while not requiring the excavation of 16,000 cubic yards of clean soil.

The groundwater monitoring will continue until eight consecutive quarters for all monitor wells are below WQCC standards.

I look forward to your immediate approval of this plan. If you have any questions, please feel free to contact either myself at: (505) 397-6388 or cbrunson@bbcinternational.com or Camille Reynolds at: (505) 441-0965 or cjreynolds@paalp.com.

Sincerely,
BBC International, Inc.

Cliff P. Brunson
President

cc: Camille Reynolds – Plains
Jeff Dann - Plains

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

May 15, 2006

Ms. Camille Reynolds
Plains Marketing, L.P.
3112 West Highway 82
Lovington, NM 88260

RE: Plains Marketing, L.P. LF-37 Site
Plains EMS No.: 1999-LF-37
SE/4 NE/4 Section 5, Township 20 South, Range 37 East
Lea County, New Mexico
NMOCD File Number: 1R-0102

Dear Ms. Reynolds:

The New Mexico Oil Conservation Division (NMOCD) has received and reviewed the work plan for the above site submitted on behalf of Plains Marketing, L.P. (Plains) by BBC International, Inc. and dated March 31, 2006. This work plan is hereby approved with the following understandings and conditions:

1. Plains will remove the top 4 feet of soil over the site. Such excavation will encompass the entire horizontal extent of the previous excavation.
2. Plains will then install a 1-foot thick clay barrier, compacted to 90% Proctor density.
3. Plains will then replace the excavated soil on top of the clay barrier.
4. Plains will prepare the site for the return of natural vegetation.
5. Plains will document the above activities, with photographs if practical, in the 2006 Annual Groundwater Monitoring Report to be submitted to the NMOCD Santa Fe office by April 1, 2007.

NMOCD approval does not relieve Plains of responsibility should its activities at this site prove to have been harmful to public health or the environment. Nor does it relieve Plains of its responsibility to comply with the rules and regulations of any other governmental agency.

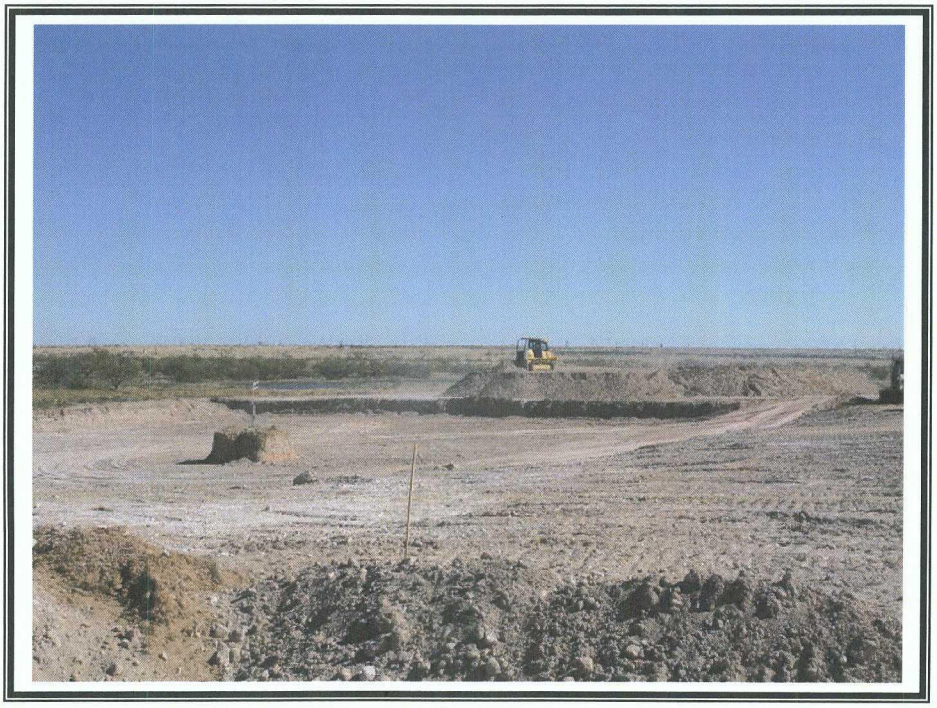
If you have any questions, contact me at (505) 476-3492 or ed.martin@state.nm.us

NEW MEXICO OIL CONSERVATION DIVISION

Ed Martin

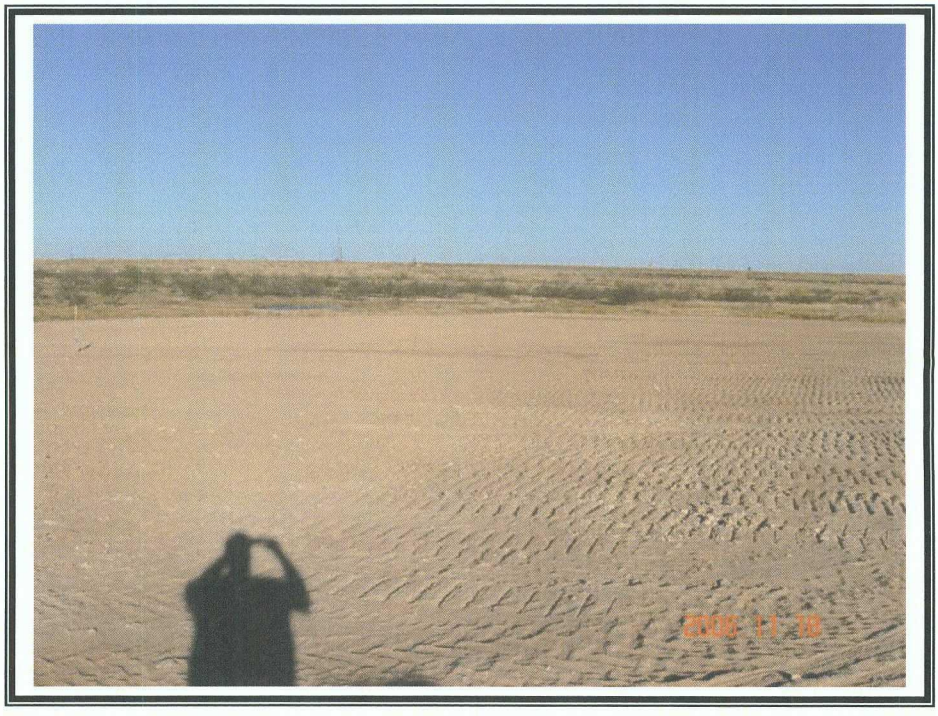
Edwin E. Martin
Environmental Bureau

Copy: NMOCD, Hobbs
Cliff Brunson, BBC




2006 11 18

BBC INTERNATIONAL


2006 11 18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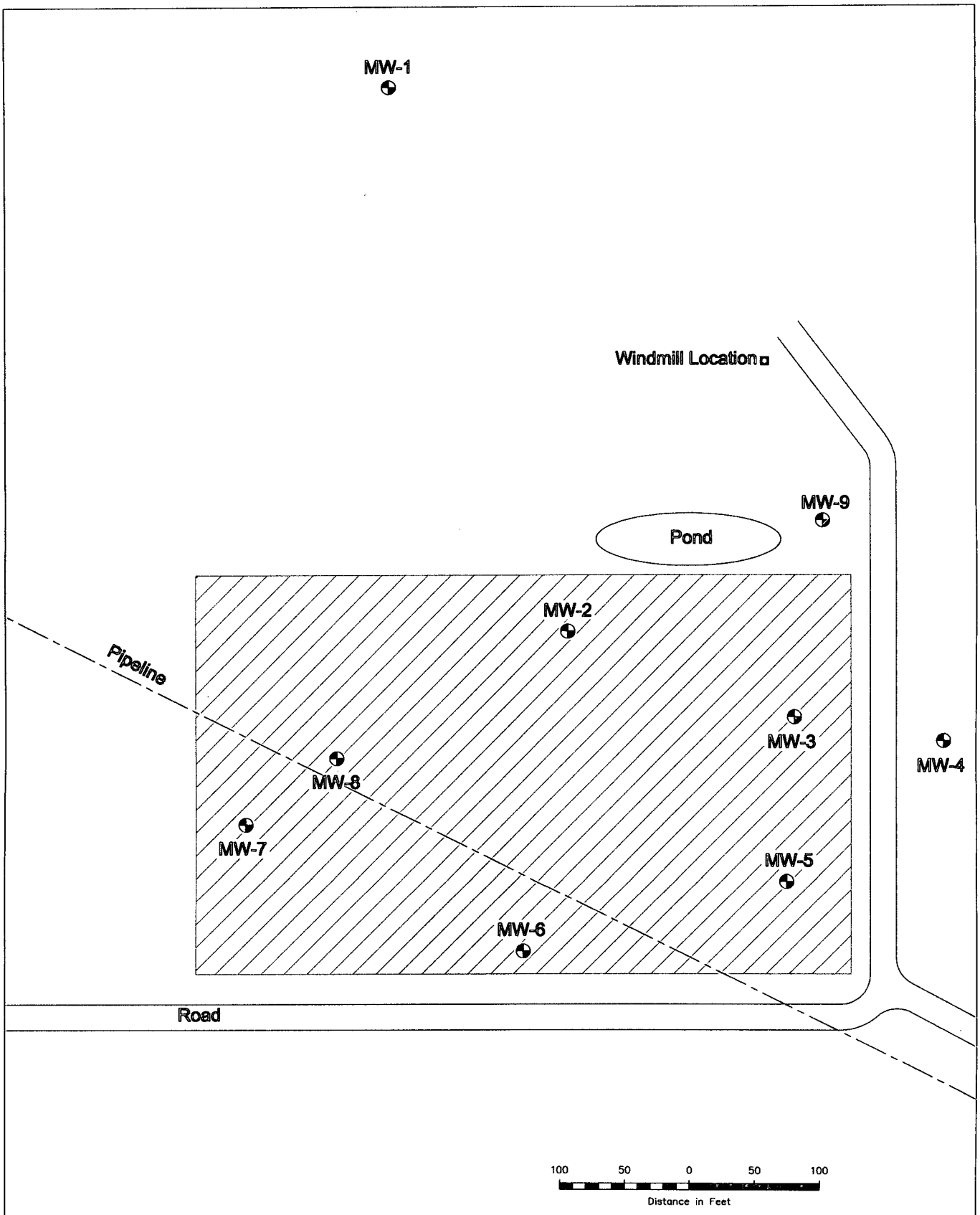

Legend:

- Former Excavation and Backfill Area
- Monitor Well Location
- (3627.56) Groundwater Elevation (In Feet)
- ND Non Detect
- NS Non Sampled
- P & A Plugged & Abandoned

Figure 1
Site Map
Plains Marketing, L.P.
LF-37
Lea County, NM

BBC INTERNATIONAL

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

Scale: 1" = 100'	Prep By: LA	Checked By: CB
	March 1, 2006	

TABLE 1

GROUNDWATER ELEVATION DATA

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	01/24/02	3,656.43	ND	28.94	0.00	3,627.49
	01/29/02	3,656.43	ND	28.87	0.00	3,627.56
	06/26/02	3,656.43	ND	28.88	0.00	3,627.55
	09/17/02	3,656.43	ND	29.04	0.00	3,627.39
	11/14/02	3,656.43	ND	28.98	0.00	3,627.45
	02/03/03	3,656.43	ND	29.03	0.00	3,627.40
	05/05/03	3,656.43	ND	29.07	0.00	3,627.36
	08/14/03	3,656.43	ND	29.05	0.00	3,627.38
	11/06/03	3,656.43	ND	29.10	0.00	3,627.33
	02/03/04	3,656.43	ND	29.07	0.00	3,627.36
	05/03/04	3,656.43	ND	28.42	0.00	3,628.01
	08/31/04	3,656.43	ND	28.63	0.00	3,627.80
	09/23/04	3,656.43	ND	19.57	0.00	3,636.86
	10/07/04	3,656.43	ND	14.76	0.00	3,641.67
	12/21/04	3,656.43	25.16	25.17	0.01	3,631.27
	03/16/05	3,656.43	ND	25.88	0.00	3,630.55
		P&A				
MW - 2	01/24/02	3,645.76	ND	19.93	0.00	3,625.83
	01/29/02	3,645.76	ND	19.81	0.00	3,625.95
	06/26/02	3,645.76	ND	19.83	0.00	3,625.93
	09/17/02	3,645.76	ND	20.04	0.00	3,625.72
	11/14/02	3,645.76	ND	19.82	0.00	3,625.94
	02/03/03	3,645.76	ND	19.90	0.00	3,625.86
	05/05/03	3,645.76	ND	19.99	0.00	3,625.77
	08/14/03	3,645.76	ND	20.11	0.00	3,625.65
	11/06/03	3,645.76	ND	20.18	0.00	3,625.58
	02/03/04	3,645.76	ND	20.15	0.00	3,625.61
	05/03/04	3,645.76	ND	19.41	0.00	3,626.35
	08/31/04	3,645.76	ND	19.77	0.00	3,625.99
	12/21/04	3,645.76	ND	16.31	0.00	3,629.45
	03/16/05	3,646.76	ND	17.24	0.00	3,629.52
	06/14/05	3,646.76	ND	17.73	0.00	3,629.03
	09/28/05	3,646.76	ND	16.65	0.00	3,630.11
	12/07/05	3,646.76	ND	18.00	0.00	3,628.76
	03/08/06	3,646.76	ND	18.07	0.00	3,628.69
	06/24/06	3,646.76	ND	18.43	0.00	3,628.33
	09/25/06	3,646.76	ND	17.56	0.00	3,629.20
	12/29/06	3,646.76	ND	17.33	0.00	3,629.43
	03/31/07	3,646.76	ND	18.68	0.00	3,628.08
	06/27/07	3,646.76	ND	17.70	0.00	3,629.06
	09/26/07	3,646.76	ND	17.90	0.00	3,628.86
	12/19/07	3,646.76	ND	18.21	0.00	3,628.55

TABLE 1

GROUNDWATER ELEVATION DATA

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	01/24/02	3,644.25	ND	19.31	0.00	3,624.94
	01/29/02	3,644.25	ND	19.23	0.00	3,625.02
	06/26/02	3,644.25	ND	19.23	0.00	3,625.02
	09/17/02	3,644.25	ND	19.43	0.00	3,624.82
	11/14/02	3,644.25	ND	19.27	0.00	3,624.98
	02/03/03	3,644.25	ND	19.28	0.00	3,624.97
	05/05/03	3,644.25	ND	19.33	0.00	3,624.92
	08/14/03	3,644.25	ND	19.51	0.00	3,624.74
	11/06/03	3,644.25	ND	19.57	0.00	3,624.68
	02/03/04	3,644.25	ND	19.56	0.00	3,624.69
	05/03/04	3,644.25	ND	18.70	0.00	3,625.55
	08/31/04	3,644.25	ND	19.04	0.00	3,625.21
	12/21/04	3,644.25	Sheen	15.76	0.00	3,628.49
	03/16/05	3,645.25	ND	16.74	0.00	3,628.51
	06/14/05	3,645.25	ND	17.27	0.00	3,627.98
	09/28/05	3,645.25	ND	17.19	0.00	3,628.06
	12/07/05	3,645.25	ND	17.50	0.00	3,627.75
	03/08/06	3,645.25	ND	17.58	0.00	3,627.67
	06/24/06	3,645.25	ND	18.06	0.00	3,627.19
	09/25/06	3,645.25	ND	17.19	0.00	3,628.06
	12/29/06	3,645.25	ND	16.90	0.00	3,628.35
	03/31/07	3,645.25	ND	18.23	0.00	3,627.02
	06/27/07	3,645.25	ND	17.38	0.00	3,627.87
	09/26/07	3,645.25	ND	17.77	0.00	3,627.48
	12/19/07	3,645.25	ND	17.67	0.00	3,627.58
MW - 4	01/24/02	3,643.81	ND	19.43	0.00	3,624.38
	01/29/02	3,643.81	ND	19.31	0.00	3,624.50
	06/26/02	3,643.81	ND	19.24	0.00	3,624.57
	09/17/02	3,643.81	ND	19.52	0.00	3,624.29
	11/14/02	3,643.81	ND	19.37	0.00	3,624.44
	02/03/03	3,643.81	ND	19.45	0.00	3,624.36
	05/05/03	3,643.81	ND	19.48	0.00	3,624.33
	08/14/03	3,643.81	ND	19.59	0.00	3,624.22
	11/06/03	3,643.81	ND	19.65	0.00	3,624.16
	02/03/04	3,643.81	ND	19.61	0.00	3,624.20
	05/03/04	3,643.81	ND	18.70	0.00	3,625.11
	08/31/04	3,643.81	ND	19.20	0.00	3,624.61
	09/23/04	3,643.81	Sheen	21.60	0.00	3,622.21
	10/07/04	3,643.81	Sheen	19.40	0.00	3,624.41
	12/21/04	3,643.81	ND	16.00	0.00	3,627.81
	03/16/05	3,644.81	ND	16.92	0.00	3,627.89
	06/14/05	3,644.81	ND	17.41	0.00	3,627.40
	09/28/05	3,644.81	ND	16.33	0.00	3,628.48

TABLE 1

GROUNDWATER ELEVATION DATA

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
	12/07/05	3,644.81	ND	17.70	0.00	3,627.11
	03/08/06	3,644.81	ND	17.78	0.00	3,627.03
	06/24/06	3,644.81	ND	18.23	0.00	3,626.58
	09/25/06	3,644.81	ND	17.41	0.00	3,627.40
	12/29/06	3,644.81	ND	17.10	0.00	3,627.71
	03/31/07	3,644.81	ND	17.44	0.00	3,627.37
	06/27/07	3,644.81	ND	17.55	0.00	3,627.26
	09/26/07	3,644.81	ND	17.77	0.00	3,627.04
	12/19/07	3,644.81	ND	17.86	0.00	3,626.95

TABLE 1

GROUNDWATER ELEVATION DATA

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	01/24/02	3,644.69	ND	20.18	0.00	3,624.51
	01/29/02	3,644.69	ND	20.12	0.00	3,624.57
	06/26/02	3,644.69	ND	20.13	0.00	3,624.56
	09/17/02	3,644.69	ND	20.29	0.00	3,624.40
	11/14/02	3,644.69	ND	21.50	0.00	3,623.19
	02/03/03	3,644.69	ND	20.13	0.00	3,624.56
	05/05/03	3,644.69	ND	20.25	0.00	3,624.44
	08/14/03	3,644.69	ND	20.35	0.00	3,624.34
	11/06/03	3,644.69	ND	20.39	0.00	3,624.30
	02/03/04	3,644.69	ND	20.43	0.00	3,624.26
	05/03/04	3,644.69	ND	19.64	0.00	3,625.05
	08/31/04	3,644.69	ND	19.99	0.00	3,624.70
	09/23/04	3,644.69	Sheen	19.41	0.00	3,625.28
	12/21/04	3,644.69	ND	16.94	0.00	3,627.75
	03/16/05	3,645.69	ND	17.78	0.00	3,627.91
	06/14/05	3,645.69	ND	18.23	0.00	3,627.46
	09/28/05	3,645.69	ND	17.16	0.00	3,628.53
	12/07/05	3,645.69	ND	19.22	0.00	3,626.47
	03/08/06	3,645.69	ND	19.30	0.00	3,626.39
	06/24/06	3,645.69	ND	18.81	0.00	3,626.88
	09/25/06	3,645.69	ND	17.98	0.00	3,627.71
	12/29/06	3,645.69	ND	17.97	0.00	3,627.72
	03/31/07	3,645.69	ND	18.15	0.00	3,627.54
	06/27/07	3,645.69	ND	18.24	0.00	3,627.45
	09/26/07	3,645.69	ND	18.41	0.00	3,627.28
	12/19/07	3,645.69	ND	18.65	0.00	3,627.04
MW - 6	01/24/02	3,649.95	ND	24.83	0.00	3,625.12
	01/29/02	3,649.95	ND	24.80	0.00	3,625.15
	06/26/02	3,649.95	ND	24.85	0.00	3,625.10
	09/17/02	3,649.95	ND	24.95	0.00	3,625.00
	11/14/02	3,649.95	ND	24.86	0.00	3,625.09
	02/03/03	3,649.95	ND	24.80	0.00	3,625.15
	05/05/03	3,649.95	ND	24.93	0.00	3,625.02
	08/14/03	3,649.95	ND	25.01	0.00	3,624.94
	11/06/03	3,649.95	ND	25.05	0.00	3,624.90
	02/03/04	3,649.95	ND	25.07	0.00	3,624.88
	05/03/04	3,649.95	ND	24.49	0.00	3,625.46
	08/31/04	3,649.95	ND	24.73	0.00	3,625.22
	12/21/04	3,649.95	ND	21.95	0.00	3,628.00
	03/16/05	3,650.95	ND	22.48	0.00	3,628.47
	06/14/05	3,650.95	ND	22.85	0.00	3,628.10
	09/28/05	3,650.95	ND	21.77	0.00	3,629.18
	12/07/05	3,650.95	ND	23.16	0.00	3,627.79

TABLE 1

GROUNDWATER ELEVATION DATA

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
	03/08/06	3,650.95	ND	23.22	0.00	3,627.73
	06/24/06	3,650.95	ND	23.76	0.00	3,627.19
	09/25/06	3,650.95	ND	22.88	0.00	3,628.07
	12/29/06	3,650.95	ND	22.60	0.00	3,628.35
	03/31/07	3,650.95	ND	22.94	0.00	3,628.01
	06/27/07	3,650.95	ND	22.98	0.00	3,627.97
	09/26/07	3,650.95	ND	23.00	0.00	3,627.95
	12/19/07	3,650.95	ND	23.33	0.00	3,627.62

TABLE 1

GROUNDWATER ELEVATION DATA

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	01/24/02	3,652.02	ND	25.76	0.00	3,626.26
	01/29/02	3,652.02	ND	25.74	0.00	3,626.28
	06/26/02	3,652.02	ND	25.79	0.00	3,626.23
	09/17/02	3,652.02	ND	25.90	0.00	3,626.12
	11/14/02	3,652.02	ND	25.73	0.00	3,626.29
	02/03/03	3,652.02	ND	25.76	0.00	3,626.26
	05/05/03	3,652.02	ND	25.88	0.00	3,626.14
	08/14/03	3,652.02	ND	25.95	0.00	3,626.07
	11/06/03	3,652.02	ND	25.99	0.00	3,626.03
	02/03/04	3,652.02	ND	26.03	0.00	3,625.99
	05/03/04	3,652.02	ND	25.48	0.00	3,626.54
	08/31/04	3,652.02	ND	25.65	0.00	3,626.37
	12/21/04	3,652.02	ND	22.80	0.00	3,629.22
	03/16/05	3,653.02	ND	23.28	0.00	3,629.74
		P&A				
MW - 8	01/24/02	3,649.12	ND	23.00	0.00	3,626.12
	01/29/02	3,649.12	ND	22.90	0.00	3,626.22
	06/26/02	3,649.12	ND	22.95	0.00	3,626.17
	09/17/02	3,649.12	ND	23.05	0.00	3,626.07
	11/14/02	3,649.12	ND	22.91	0.00	3,626.21
	02/03/03	3,649.12	ND	22.95	0.00	3,626.17
	05/05/03	3,649.12	ND	23.05	0.00	3,626.07
	08/14/03	3,649.12	ND	23.12	0.00	3,626.00
	11/06/03	3,649.12	ND	23.15	0.00	3,625.97
	02/03/04	3,649.12	ND	23.19	0.00	3,625.93
	05/03/04	3,649.12	ND	22.62	0.00	3,626.50
	08/31/04	3,649.12	ND	22.78	0.00	3,626.34
	12/21/04	3,649.12	ND	19.57	0.00	3,629.55
	03/16/05	3,649.12	ND	19.37	0.00	3,629.75
	06/14/05	3,649.12	ND	20.63	0.00	3,628.49
	09/28/05	3,649.12	ND	19.57	0.00	3,629.55
	12/07/05	3,649.12	ND	20.25	0.00	3,628.87
	03/08/06	3,649.12	ND	20.98	0.00	3,628.14
	06/24/06	3,649.12	ND	21.40	0.00	3,627.72
	09/25/06	3,649.12	ND	20.56	0.00	3,628.56
	12/29/06	3,649.12	ND	22.30	0.00	3,626.82
	03/31/07	3,649.12	ND	20.69	0.00	3,628.43
	06/27/07	3,649.12	ND	20.77	0.00	3,628.35
	09/26/07	3,649.12	ND	20.95	0.00	3,628.17
	12/19/07	3,649.12	ND	21.05	0.00	3,628.07

TABLE 1

GROUNDWATER ELEVATION DATA

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	01/24/02	3,646.40	ND	21.06	0.00	3,625.34
	01/29/02	3,646.40	ND	20.90	0.00	3,625.50
	06/26/02	3,646.40	ND	20.92	0.00	3,625.48
	09/17/02	3,646.40	ND	21.19	0.00	3,625.21
	11/14/02	3,646.40	ND	20.98	0.00	3,625.42
	02/03/03	3,646.40	ND	22.15	0.00	3,624.25
	05/05/03	3,646.40	ND	21.13	0.00	3,625.27
	08/14/03	3,646.40	ND	21.22	0.00	3,625.18
	11/06/03	3,646.40	ND	21.30	0.00	3,625.10
	02/03/04	3,646.40	ND	21.27	0.00	3,625.13
	05/03/04	3,646.40	ND	20.38	0.00	3,626.02
	08/31/04	P&A	ND	20.85	0.00	-20.85
	12/21/04	3,646.40	ND	17.09	0.00	3,629.31
	03/16/05	3,646.40	ND	18.19	0.00	3,628.21
	06/14/05	3,646.40	ND	18.88	0.00	3,627.52
	09/28/05	3,646.40	ND	18.01	0.00	3,628.39
	12/07/05	3,646.40	ND	19.12	0.00	3,627.28
	03/08/06	3,646.40	ND	19.21	0.00	3,627.19
	06/24/06	3,646.40	ND	19.63	0.00	3,626.77
	09/25/06	3,646.40	ND	18.75	0.00	3,627.65
	12/29/06	3,646.40	ND	18.38	0.00	3,628.02
	03/31/07	3,646.40	ND	18.81	0.00	3,627.59
	06/27/07	3,646.40	ND	18.80	0.00	3,627.60
	09/26/07	3,646.40	ND	18.97	0.00	3,627.43
	12/19/07	3,646.40	ND	19.18	0.00	3,627.22

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 1	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
Plugged and Abandoned						

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 2	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
	12/07/05	<0.00100	<0.00100	<0.00100	<0.00100	
	12/29/06	<0.00100	<0.00100	<0.00100	<0.00100	
	12/19/07	<0.00100	<0.00100	<0.00100	<0.00100	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 3	01/29/02	0.006	<0.001	<0.001	0.001	<0.001
	06/26/02	0.014	<0.001	0.004	0.012	<0.001
	09/17/02	0.011	<0.001	<0.001	0.005	<0.001
	11/14/02	0.018	<0.001	0.003	0.028	<0.001
	02/04/03	0.035	<0.001	0.004	0.044	<0.001
	05/05/03	0.011	<0.001	0.002	0.012	<0.001
	08/14/03	0.011	0.001	0.002	0.016	<0.001
	11/06/03	0.016	<0.001	0.003	0.019	<0.001
	02/03/04	0.013	<0.001	0.003	0.015	<0.001
	05/03/04	0.0236	0.00177	0.0109	<0.001	<0.001
	08/31/04	0.00902	<0.001	0.00175	0.00442	<0.001
	12/21/04	0.0999	<0.005	<0.005	0.0099	<0.005
	03/16/05	0.037	<0.005	<0.005	<0.005	<0.005
	06/14/05	0.023	<0.005	<0.005	<0.005	<0.005
	09/28/05	0.0576	<0.001	0.00374	0.00578	<0.001
	12/07/05	0.0219	<0.00100	0.0038	<0.00100	
	03/08/06	0.0186	<0.00100	0.0021	0.00640	
	06/24/06	0.0085	<0.00100	0.00100	0.0028	
	09/25/06	0.0969	<0.00100	<0.00100	0.00280	
	12/29/06	0.406	<0.0200	<0.0200	<0.0200	
	03/20/07	28.2	<5.00	<5.00	<5.00	
	06/27/07	<0.00100	<0.00100	<0.00100	0.00130	
	09/26/07	0.0632	<0.00100	0.00170	0.00490	
	12/19/07	0.00940	<0.00100	0.00150	0.00100	
SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 4	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
	06/16/05	<0.001	<0.001	<0.001	<0.001	<0.001
	12/07/05	<0.00100	<0.00100	<0.00100	0.0031	
	03/09/06	<0.00100	<0.00100	<0.00100	<0.00100	
	06/24/06	<0.00100	<0.00100	<0.00100	<0.00100	
	12/29/06	<0.00100	<0.00100	<0.00100	<0.00100	
	06/27/07	<0.00100	<0.00100	<0.00100	<0.00100	
	12/19/07	<0.00100	<0.00100	<0.00100	<0.00100	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

All concentrations are reported in mg/L.

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 5	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	0.0198	<0.001	0.00527	0.00587	<0.001
	12/07/05	<0.00100	<0.00100	<0.00100	<0.00100	
	12/29/06	<0.00100	<0.00100	<0.00100	<0.00100	
	12/19/07	<0.00100	<0.00100	<0.00100	<0.00100	
SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 6	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
	12/07/05	<0.00100	<0.00100	<0.00100	<0.00100	
	12/29/06	<0.00100	<0.00100	<0.00100	<0.00100	
	12/19/07	<0.00100	<0.00100	<0.00100	<0.00100	
SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 7	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
Plugged and Abandoned						

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 8	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
	12/07/05	<0.00100	<0.00100	<0.00100	<0.00100	
	12/29/06	<0.00100	<0.00100	<0.00100	<0.00100	
	12/19/07	<0.00100	<0.00100	<0.00100	<0.00100	

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 9	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
	12/07/05	<0.00100	<0.00100	<0.00100	<0.00100	
	12/29/06	<0.00100	<0.00100	<0.00100	<0.00100	
	12/19/07	<0.00100	<0.00100	<0.00100	<0.00100	

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
EB - 1	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001

Note: EB denotes Equipment Blank collected during sampling event.