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Annual GW Mon. REPORTS

DATE:

2010

LF-37

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

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2010 Annual Groundwater Monitoring Report

April 2011

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 2010 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 2010 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 17, June 30, September 22, and December 27, 2010.

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 2010 indicated a general gradient of approximately 0.007 ft/ft to the east northeast. The depth to groundwater as measured from the top of the well casing ranged between 17.79 to 24.08 feet for the shallow aquifer.

LABORATORY RESULTS

Groundwater samples collected during each quarter of 2010 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 2010 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 each quarter in 2010, 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 five 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.

SUMMARY

This report presents the results of groundwater monitoring activities for the annual monitoring period 2010. 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 2010 indicated a general gradient of approximately 0.007 ft/ft to the east northeast.

Review of laboratory analytical results generated from analysis of the groundwater samples obtained during the 2010 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 each quarter in 2010, 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

Continue routine site activities in 2011 which 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.

A report detailing activities conducted in 2011 will be submitted in April 2012.

LIMITATIONS

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

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

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

DISTRIBUTION

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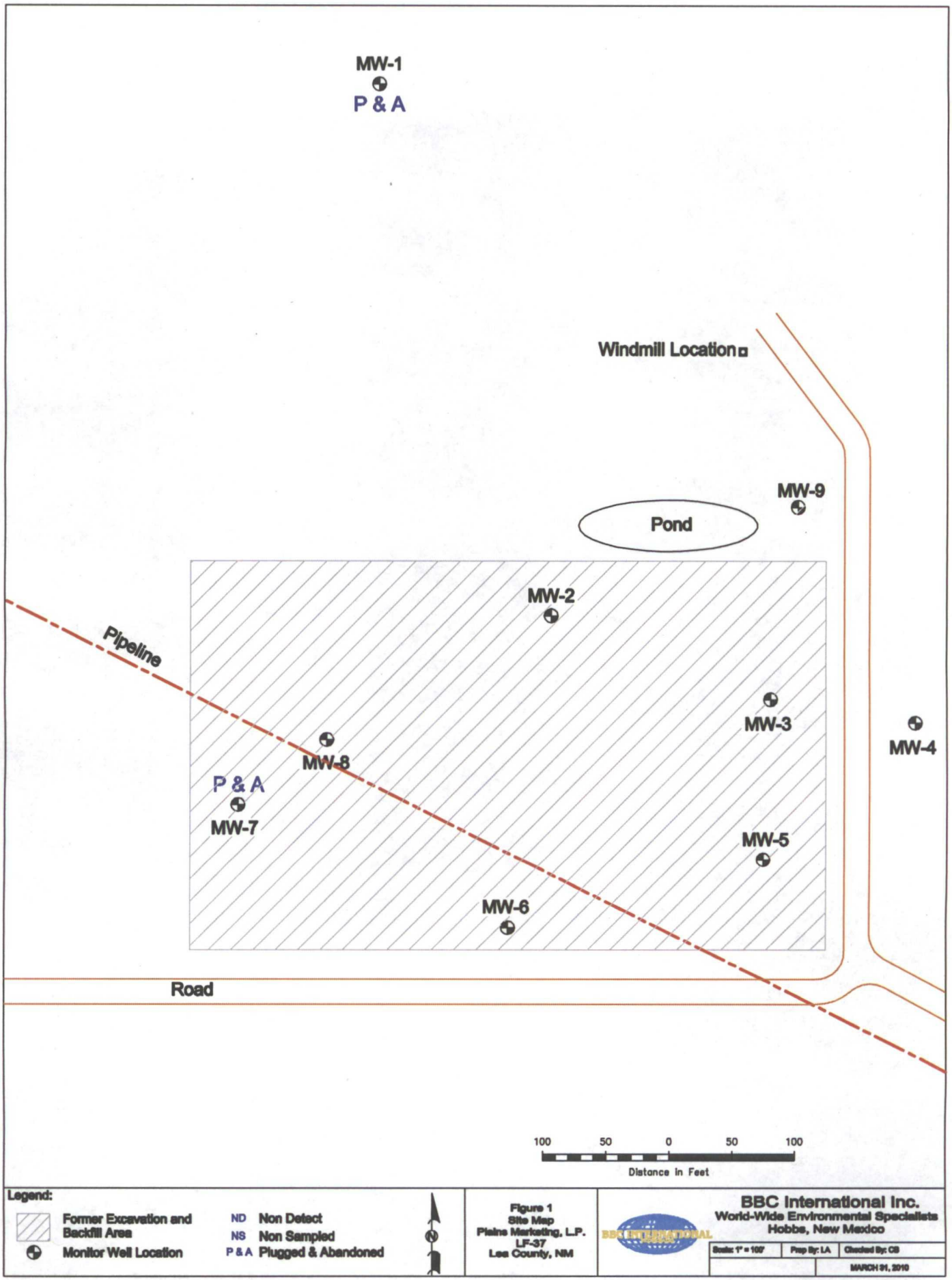
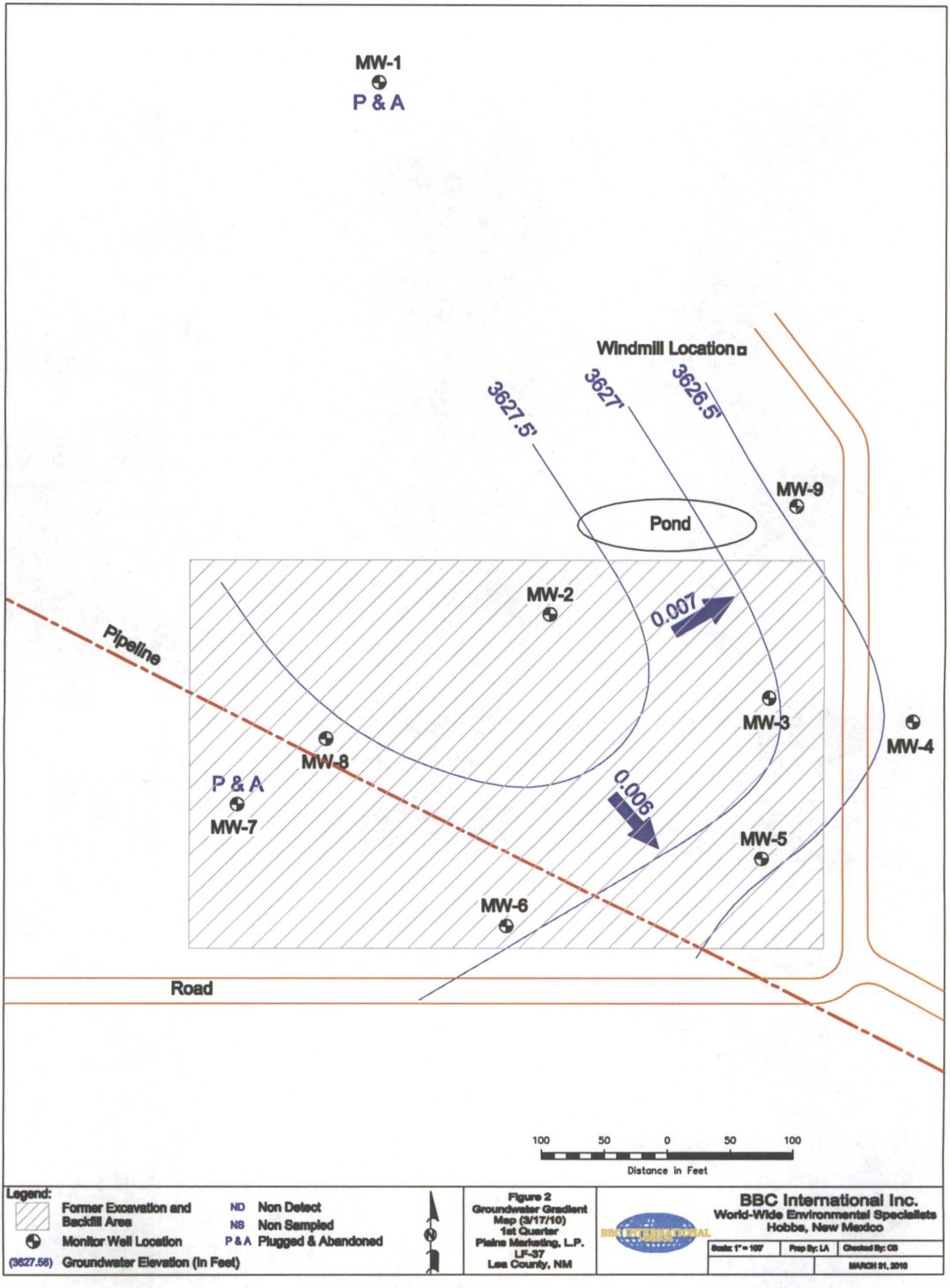
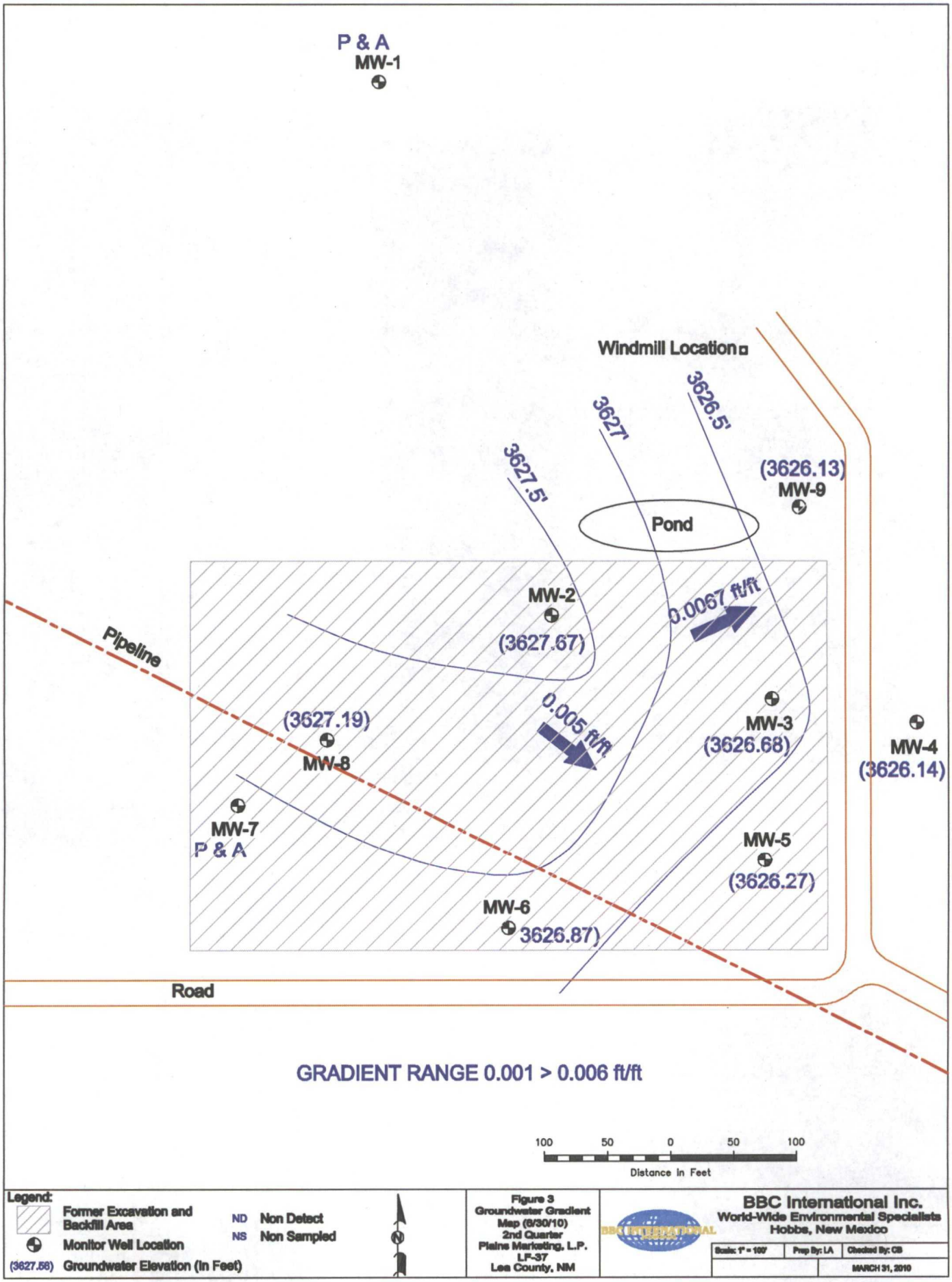
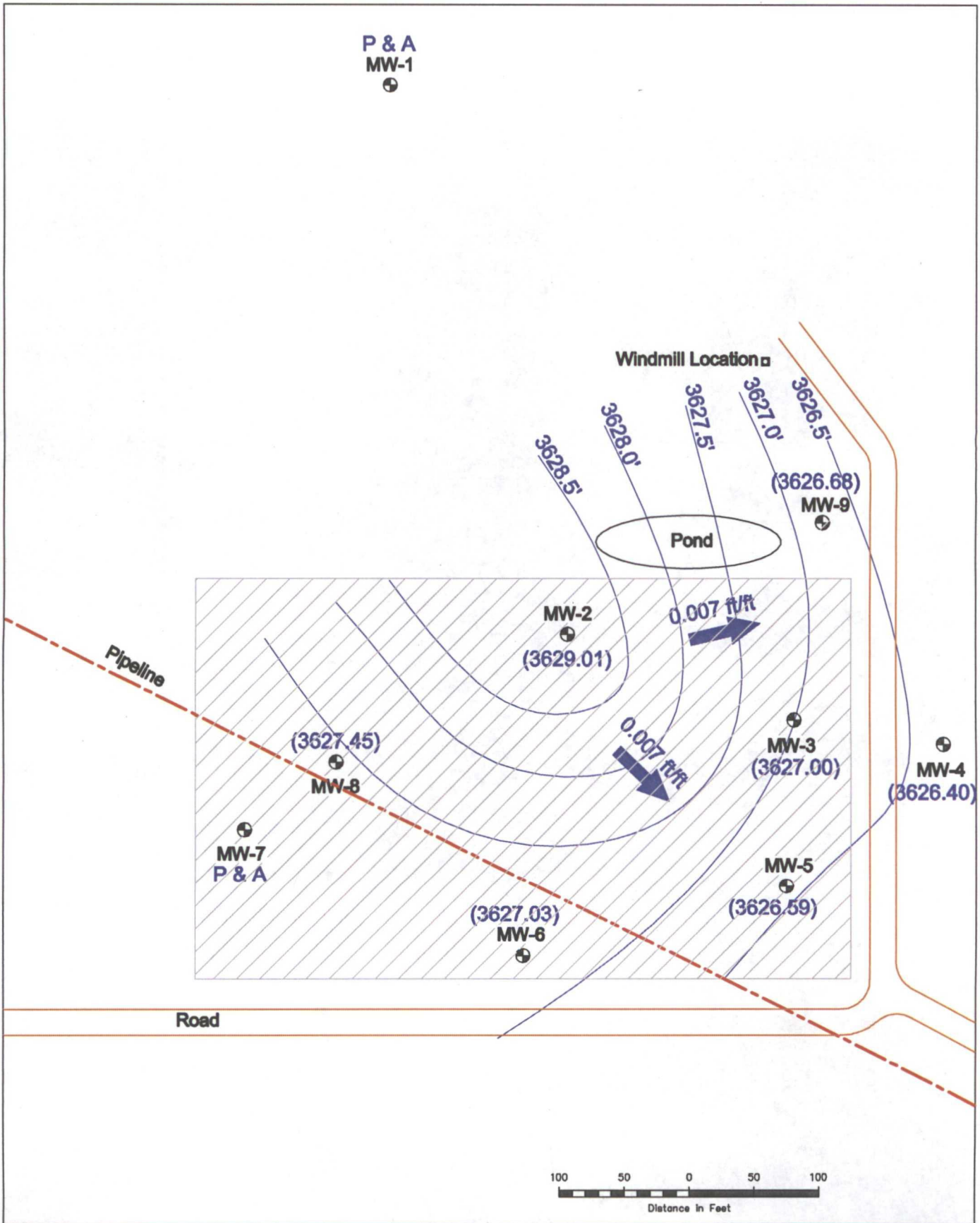
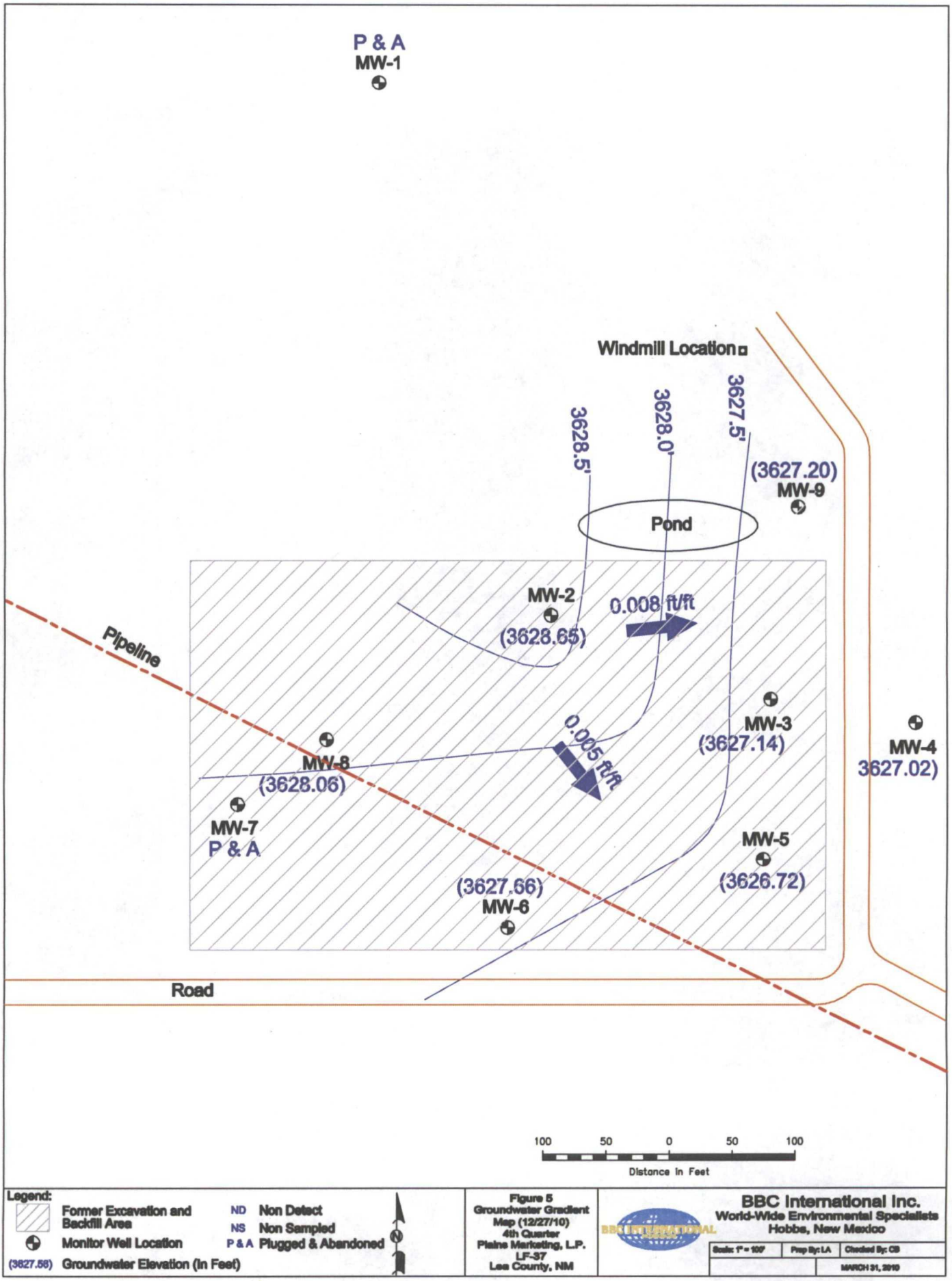

MW-1
P & A
Windmill Location
MW-9
Pond
MW-2
Pipeline
MW-3
MW-4
MW-8
P & A
MW-7
MW-5
MW-6
Road
100
50
0
50
100
Distance In Feet
Legend:
Former Excavation and Backfill Area
Monitor Well Location
ND Non Detect
NS Non Sampled
P & A Plugged & Abandoned
N
Figure 1
Site Map
Plains Marketing, L.P.
LF-37
Lea County, NM
BBC INTERNATIONAL
BBC International Inc.
World-Wide Environmental Specialists
Hobbs, New Mexico
Scale: 1" = 100'
Prep By: LA
Checked By: CB
MARCH 31, 2010


MW-1
P & A
Windmill Location
3627.5
3627
3626.5
MW-9
Pond
MW-2
0.007
Pipeline
MW-3
MW-4
MW-8
P & A
MW-7
0.006
MW-5
MW-6
Road
100
50
0
50
100
Distance in Feet
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 2
Groundwater Gradient Map (3/17/10)
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 31, 2010


P & A
MW-1
Windmill Location
3626.5'
3627
3627.5'
(3626.13)
MW-9
Pond
MW-2
(3627.67)
0.0067 ft/ft
Pipeline
0.005 ft/ft
(3627.19)
MW-8
MW-3
(3626.68)
MW-4
(3626.14)
MW-7
P & A
MW-5
(3626.27)
MW-6
3626.87)
Road
GRADIENT RANGE 0.001 > 0.006 ft/ft
100 50 0 50 100
Distance In Feet
Legend:
Former Excavation and Backfill Area
Monitor Well Location
(3627.56) Groundwater Elevation (In Feet)
ND Non Detect
NS Non Sampled
N
Figure 3
Groundwater Gradient Map (6/30/10)
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 31, 2010


P & A
MW-1
Windmill Location
3628.5'
3628.0'
3627.5'
3627.0'
3626.5'
(3626.68)
MW-9
Pond
MW-2
(3629.01)
0.007 ft/ft
0.007 ft/ft
Pipeline
(3627.45)
MW-8
MW-3
(3627.00)
MW-4
(3626.40)
MW-7
P & A
MW-5
(3626.59)
(3627.03)
MW-6
Road
100
50
0
50
100
Distance In Feet
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
N
Figure 4
Groundwater Gradient Map (9/22/10)
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 31, 2010



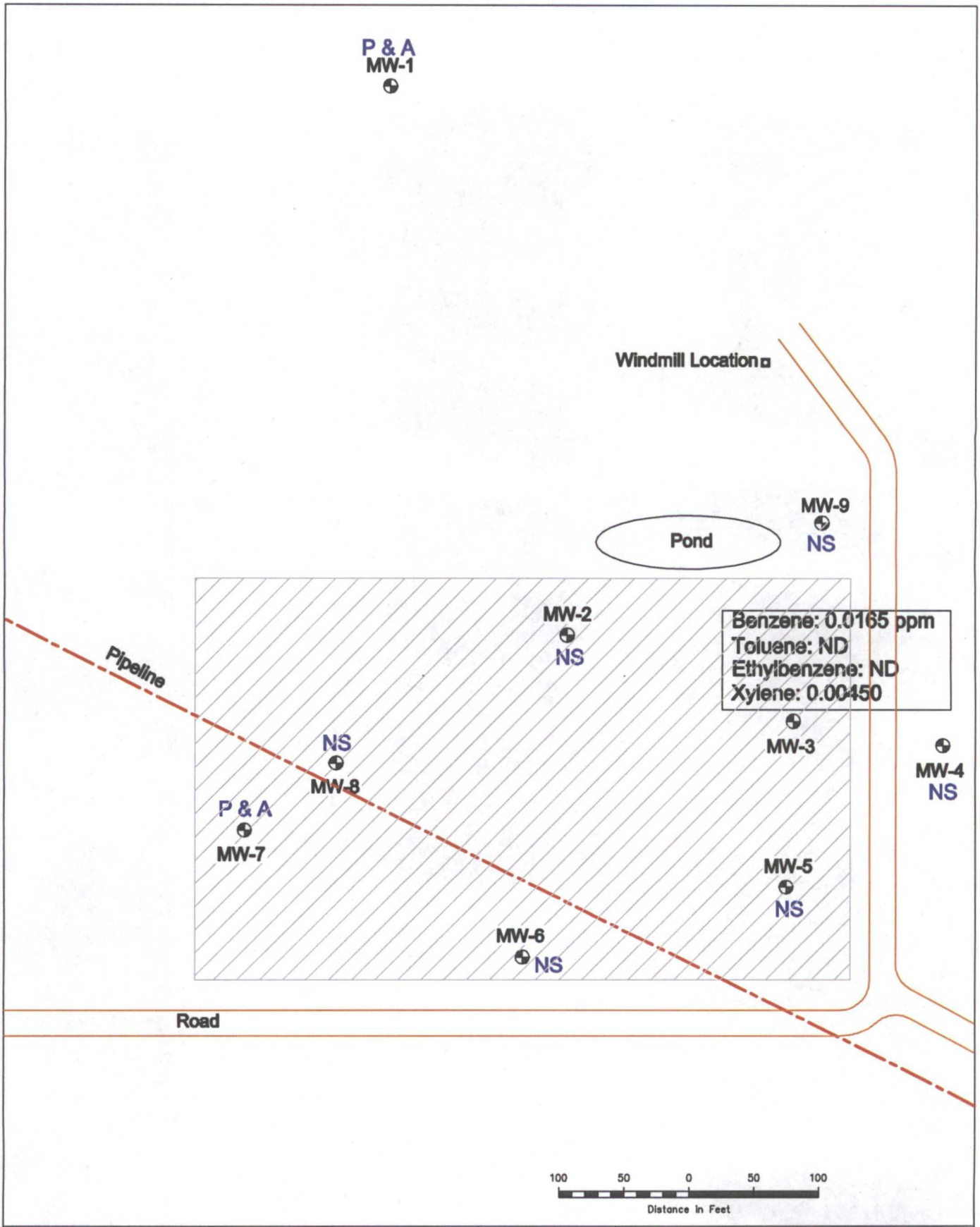
Legend:

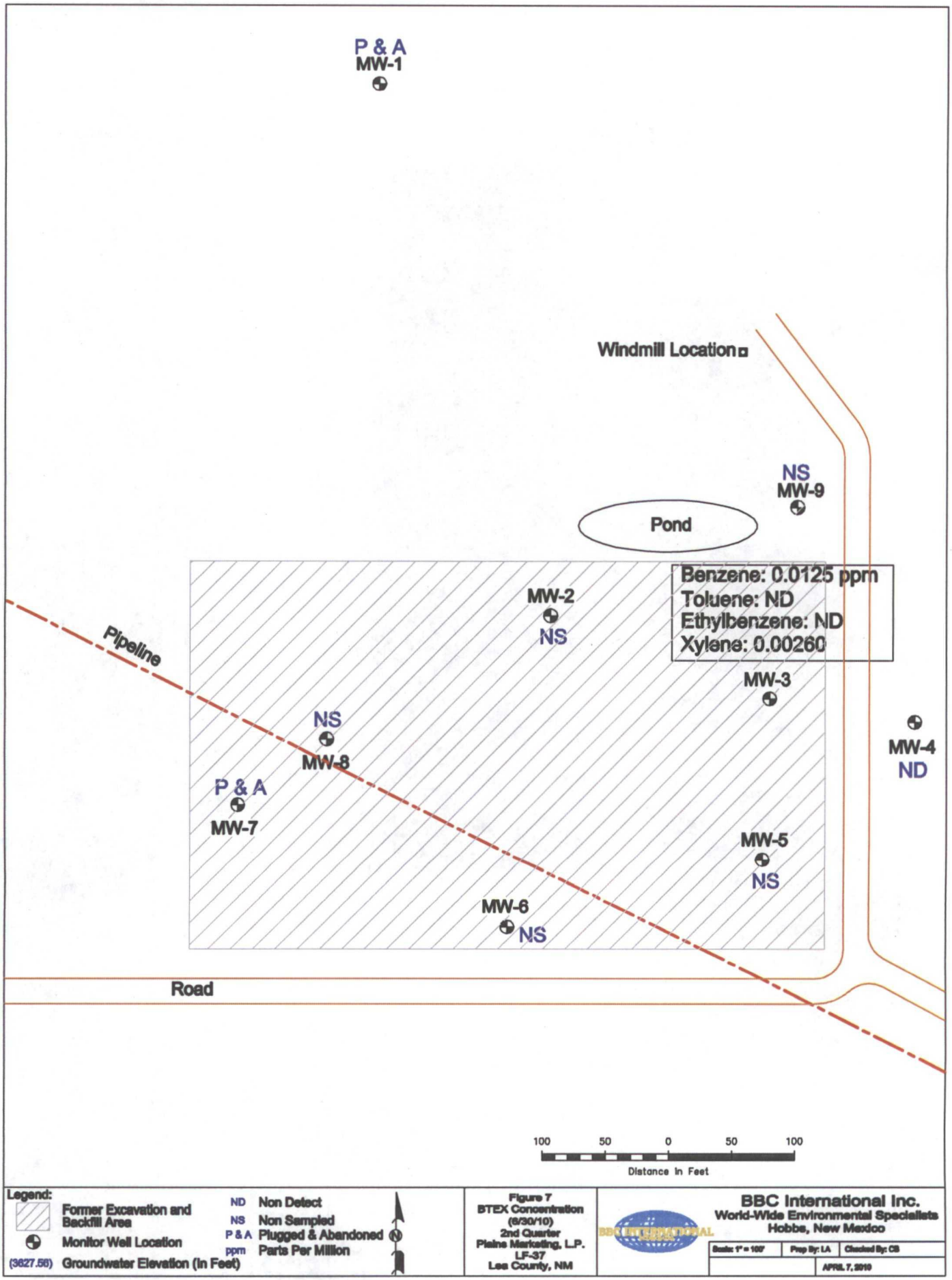
- Former Excavation and Backfill Area
- Monitor Well Location
- (3627.58) Groundwater Elevation (In Feet)
- ND Non Detect
- NS Non Sampled
- P & A Plugged & Abandoned

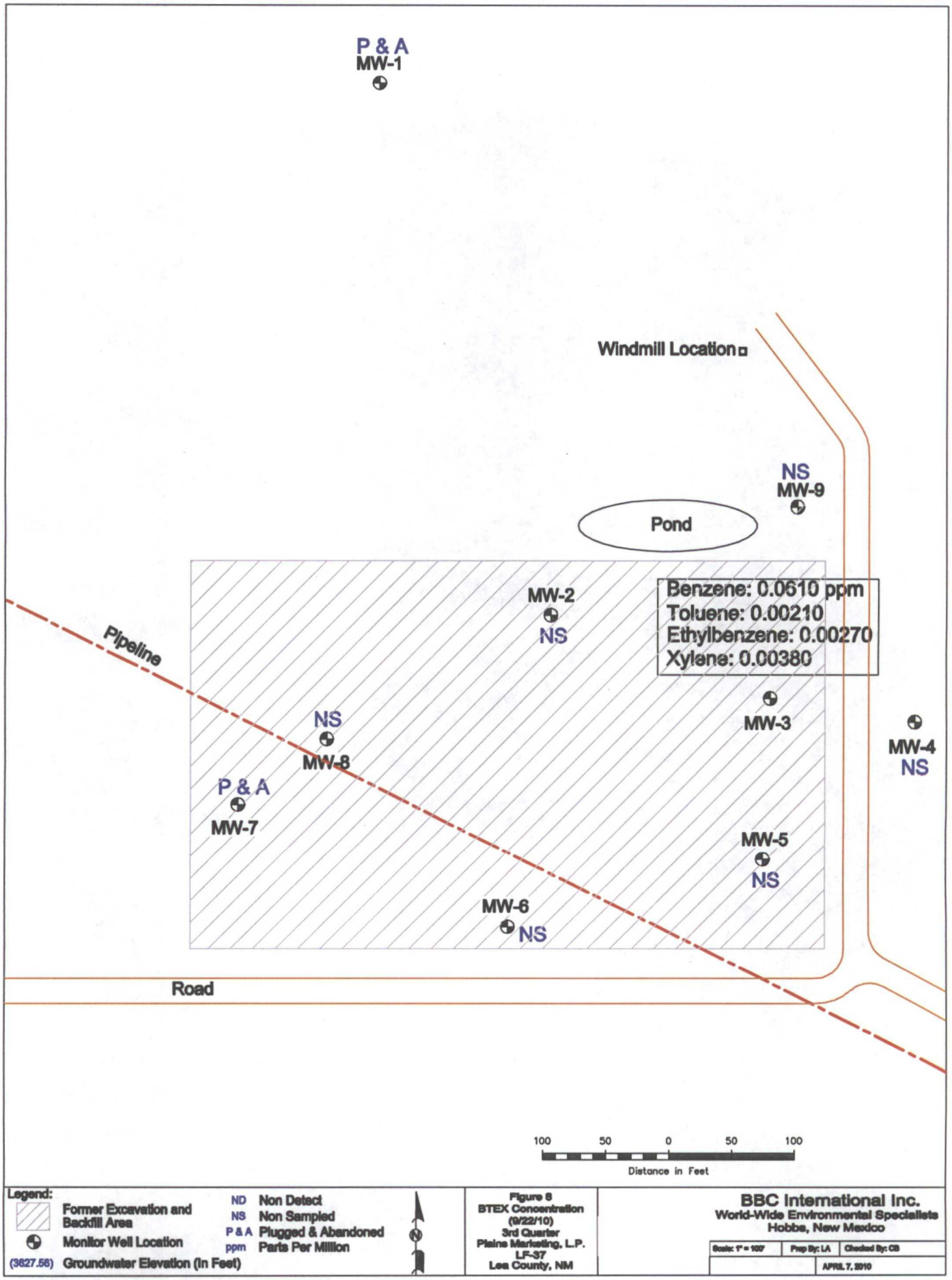
Figure 5
Groundwater Gradient Map (12/27/10)
4th Quarter
Plains Marketing, L.P.
LF-37
Lea County, NM

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

Scale: 1" = 100'	Prep By: LA	Checked By: CB
		MARCH 31, 2010


P & A
MW-1
Windmill Location
MW-9
NS
Pond
MW-2
NS
Benzene: 0.0165 ppm
Toluene: ND
Ethylbenzene: ND
Xylene: 0.00450
MW-3
MW-4
NS
Pipeline
NS
MW-8
P & A
MW-7
MW-5
NS
MW-6
NS
Road
100
50
0
50
100
Distance In Feet
Legend:
Former Excavation and Backfill Area
Monitor Well Location
(3627.56) Groundwater Elevation (In Feet)
ND Non Detect
NS Non Sampled
ppm Parts Per Million
N
Figure 6
BTEX Concentration
(3/17/10)
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 19, 2005


P & A
MW-1
Windmill Location
NS
MW-9
Pond
Benzene: 0.0125 ppm
Toluene: ND
Ethylbenzene: ND
Xylene: 0.00260
MW-2
NS
Pipeline
MW-3
NS
MW-8
MW-4
ND
P & A
MW-7
MW-5
NS
MW-6
NS
Road
100 50 0 50 100
Distance In Feet
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
ppm Parts Per Million
N
Figure 7
BTEX Concentration
(6/30/10)
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
APRIL 7, 2010


P & A
MW-1
Windmill Location
NS
MW-9
Pond
MW-2
NS
Benzene: 0.0610 ppm
Toluene: 0.00210
Ethylbenzene: 0.00270
Xylene: 0.00380
Pipeline
MW-3
MW-4
NS
NS
MW-8
P & A
MW-7
MW-5
NS
MW-6
NS
Road
100 50 0 50 100
Distance in Feet
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
ppm Parts Per Million
N
Figure 6
BTEX Concentration
(9/22/10)
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
APRIL 7, 2010

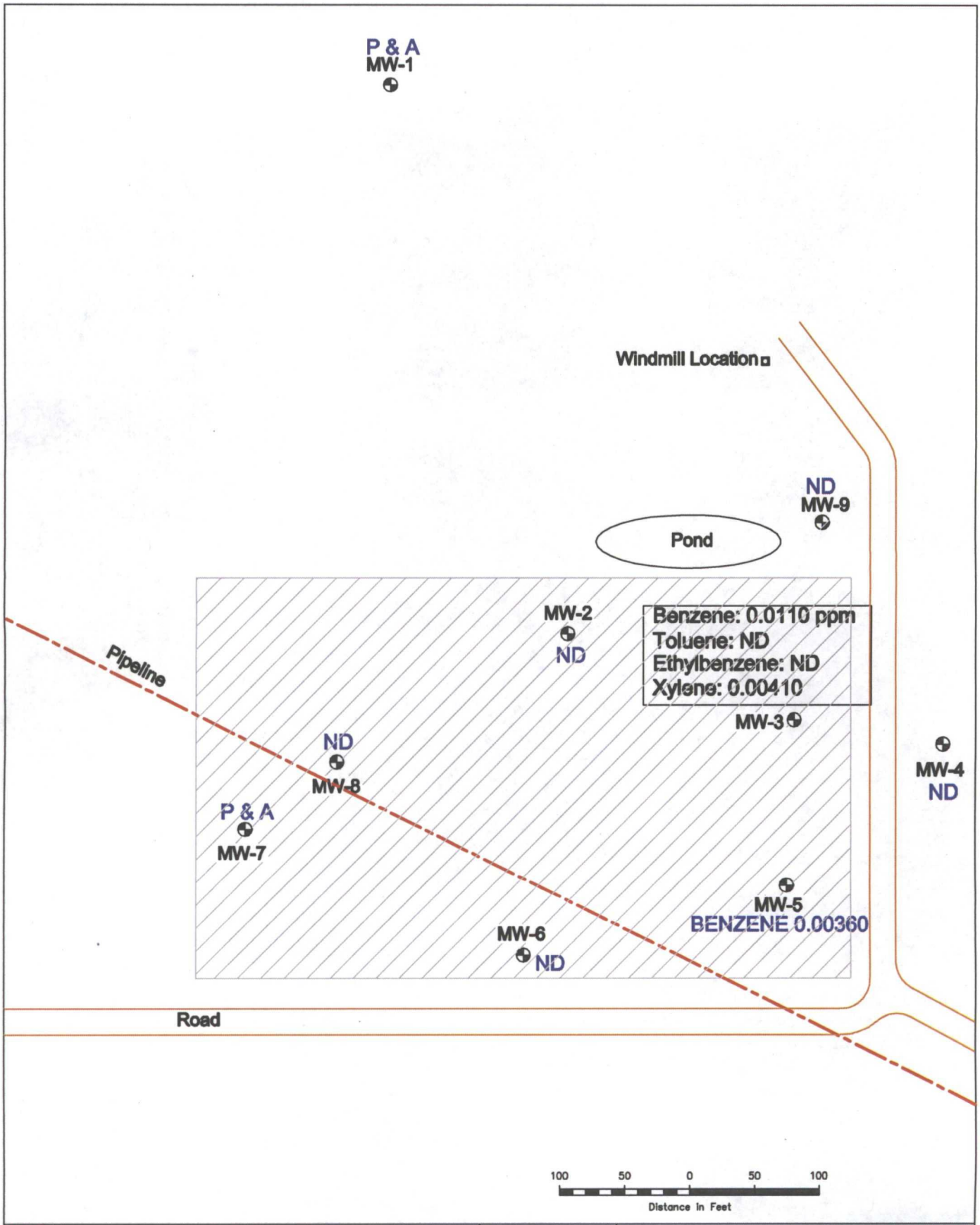

P & A
MW-1
Windmill Location
ND
MW-9
Pond
MW-2
ND
Benzene: 0.0110 ppm
Toluene: ND
Ethylbenzene: ND
Xylene: 0.00410
MW-3
Pipeline
ND
MW-8
P & A
MW-7
MW-4
ND
MW-5
BENZENE 0.00360
MW-6
ND
Road
100 50 0 50 100
Distance In Feet
Legend:
Former Excavation and Backfill Area
Monitor Well Location
(3627.56) Groundwater Elevation (In Feet)
ND Non Detect
NS Non Sampled
P & A Plugged & Abandoned
ppm Parts Per Million
N
Figure 9
BTEX Concentration
(12/27/10)
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
APRIL 7, 2010

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				

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 - 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
	03/22/08	3,646.76	ND	18.39	0.00	3,628.37
	06/26/08	3,646.76	ND	18.75	0.00	3,628.01
	09/25/08	3,646.76	ND	18.82	0.00	3,627.94
	12/18/08	3,646.76	ND	18.46	0.00	3,628.30
	03/25/09	3,646.76	ND	18.62	0.00	3,628.14
	06/23/09	3,646.76	ND	18.60	0.00	3,628.16
	09/25/09	3,646.76	ND	18.61	0.00	3,628.15
	12/14/09	3,646.76	ND	18.85	0.00	3,627.91
	03/17/10	3,646.76	ND	18.76	0.00	3,628.00
	06/30/10	3,646.76	ND	19.09	0.00	3,627.67
	09/22/10	3,646.76	ND	18.75	0.00	3,628.01
	12/27/10	3,646.76	ND	18.11	0.00	3,628.65

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
	03/22/08	3,645.25	ND	17.88	0.00	3,627.37
	06/26/08	3,645.25	ND	18.22	0.00	3,627.03
	09/25/08	3,645.25	ND	18.30	0.00	3,626.95
	12/18/08	3,645.25	ND	17.87	0.00	3,627.38
	03/25/09	3,645.25	ND	18.03	0.00	3,627.22
	06/23/09	3,645.25	ND	18.04	0.00	3,627.21
	09/25/09	3,645.25	ND	18.03	0.00	3,627.22
	12/14/09	3,645.25	ND	18.30	0.00	3,626.95
	03/17/10	3,645.25	ND	18.21	0.00	3,627.04
	06/30/10	3,645.25	ND	18.57	0.00	3,626.68
	09/22/10	3,645.25	ND	18.25	0.00	3,627.00
	12/27/10	3,645.25	ND	18.11	0.00	3,627.14

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 - 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
	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
	03/22/08	3,644.81	ND	18.00	0.00	3,626.81
	06/26/08	3,644.81	ND	18.32	0.00	3,626.49
	09/25/08	3,644.81	ND	18.42	0.00	3,626.39
	12/18/08	3,644.81	ND	18.06	0.00	3,626.75
	03/25/09	3,644.81	ND	18.24	0.00	3,626.57
	06/23/09	3,644.81	ND	18.20	0.00	3,626.61
	09/25/09	3,644.81	ND	18.20	0.00	3,626.61
	12/14/09	3,644.81	ND	19.24	0.00	3,625.57
	03/17/10	3,644.81	ND	18.37	0.00	3,626.44
	06/30/10	3,644.81	ND	18.67	0.00	3,626.14
	09/22/10	3,644.81	ND	18.41	0.00	3,626.40
	12/27/10	3,644.81	ND	17.79	0.00	3,627.02

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
	03/22/08	3,645.69	ND	18.82	0.00	3,626.87
	06/26/08	3,645.69	ND	19.12	0.00	3,626.57
	09/25/08	3,645.69	ND	19.09	0.00	3,626.60
	12/18/08	3,645.69	ND	18.66	0.00	3,627.03
	03/25/09	3,645.69	ND	18.86	0.00	3,626.83
	06/23/09	3,645.69	ND	18.84	0.00	3,626.85
	09/25/09	3,645.69	ND	18.97	0.00	3,626.72
	12/14/09	3,645.69	ND	19.15	0.00	3,626.54
	03/17/10	3,645.69	ND	19.17	0.00	3,626.52
	06/30/10	3,645.69	ND	19.42	0.00	3,626.27
	09/22/10	3,645.69	ND	19.10	0.00	3,626.59
	12/27/10	3,645.69	ND	18.49	0.00	3,627.20

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 - 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
	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
	03/22/08	3,650.95	ND	23.49	0.00	3,627.46
	06/26/08	3,650.95	ND	23.80	0.00	3,627.15
	09/25/08	3,650.95	ND	23.85	0.00	3,627.10
	12/18/08	3,650.95	ND	23.59	0.00	3,627.36
	03/25/09	3,650.95	ND	23.74	0.00	3,627.21
	06/23/09	3,650.95	ND	23.71	0.00	3,627.24
	09/25/09	3,650.95	ND	23.72	0.00	3,627.23
	12/14/09	3,650.95	ND	23.95	0.00	3,627.00
	03/17/10	3,650.95	ND	23.86	0.00	3,627.09
	06/30/10	3,650.95	ND	24.08	0.00	3,626.87
	09/22/10	3,650.95	ND	23.92	0.00	3,627.03
	12/27/10	3,650.95	ND	23.29	0.00	3,627.66

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				

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 - 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
	03/22/08	3,649.12	ND	21.25	0.00	3,627.87
	06/26/08	3,649.12	ND	21.48	0.00	3,627.64
	09/25/08	3,649.12	ND	21.66	0.00	3,627.46
	12/18/08	3,649.12	ND	21.41	0.00	3,627.71
	03/25/09	3,649.12	ND	21.58	0.00	3,627.54
	06/23/09	3,649.12	ND	21.55	0.00	3,627.57
	09/25/09	3,649.12	ND	21.53	0.00	3,627.59
	12/14/09	3,649.12	ND	21.75	0.00	3,627.37
	03/17/10	3,649.12	ND	21.69	0.00	3,627.43
	06/30/10	3,649.12	ND	21.93	0.00	3,627.19
	09/22/10	3,649.12	ND	21.67	0.00	3,627.45
	12/27/10	3,649.12	ND	21.06	0.00	3,628.06

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
	03/22/08	3,646.40	ND	19.46	0.00	3,626.94
	06/26/08	3,646.40	ND	19.83	0.00	3,626.57
	09/25/08	3,646.40	ND	19.94	0.00	3,626.46
	12/18/08	3,646.40	ND	19.57	0.00	3,626.83
	03/25/09	3,646.40	ND	19.65	0.00	3,626.75
	06/23/09	3,646.40	ND	19.61	0.00	3,626.79
	09/25/09	3,646.40	ND	19.67	0.00	3,626.73
	12/14/09	3,646.40	ND	19.87	0.00	3,626.53
	03/17/10	3,646.40	ND	19.82	0.00	3,626.58
	06/30/10	3,646.40	ND	20.27	0.00	3,626.13
	09/22/10	3,646.40	ND	19.72	0.00	3,626.68
	12/27/10	3,646.40	ND	19.20	0.00	3,627.20

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	
	12/18/08	<0.00100	<0.00100	<0.00100	<0.00100	
	12/14/09	<0.00100	<0.00100	<0.00100	<0.00100	
	12/27/10	<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	
	03/22/08	0.00300	<0.00100	<0.00100	<0.00100	
	06/26/08	0.00480	<0.00100	0.0011	0.00170	
	09/25/08	0.00240	0.0018	<0.00100	0.00710	
	12/18/08	0.04320	<0.00100	0.00230	0.0119	
	03/25/09	0.0352	<0.00100	0.00130	0.00780	
	06/23/09	0.0160	<0.00100	0.00120	<0.00100	
	09/25/09	0.0287	<0.00100	<0.00100	<0.00100	
	12/14/09	0.00350	<0.00100	<0.00100	<0.00100	
	03/22/10	**0.0165**	<0.00100	<0.00100	**0.00450**	
	06/30/10	**0.0125**	<0.00100	<0.00100	**0.00260**	
	09/22/10	**0.0610**	**0.00210**	**0.00270**	**0.00380**	
	12/27/10	**0.0110**	<0.00100	<0.00100	**0.00410**	

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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 - 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	
	06/26/08	<0.00100	<0.00100	<0.00100	**0.00220**	
	12/18/08	<0.00100	<0.00100	<0.00100	<0.00100	
	06/23/09	<0.00100	<0.00100	<0.00100	<0.00100	
	12/14/09	<0.00100	<0.00100	<0.00100	<0.00100	
	06/30/10	<0.00100	<0.00100	<0.00100	<0.00100	
	12/27/10	<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	
	12/19/07	<0.00100	<0.00100	<0.00100	<0.00100	
	12/18/08	<0.00100	<0.00100	<0.00100	<0.00100	
	12/14/09	<0.00100	<0.00100	<0.00100	<0.00100	
	12/27/10	**0.00360**	<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 - 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	
	12/18/08	<0.00100	<0.00100	<0.00100	<0.00100	
	12/14/09	<0.00100	<0.00100	<0.00100	<0.00100	
	12/27/10	<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	
	12/18/08	<0.00100	<0.00100	<0.00100	<0.00100	
	12/14/09	<0.00100	<0.00100	<0.00100	<0.00100	
	12/27/10	<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
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/07/05	<0.00100	<0.00100	<0.00100	<0.00100	
	12/19/07	<0.00100	<0.00100	<0.00100	<0.00100	
	12/14/09	<0.00100	<0.00100	<0.00100	<0.00100	
	12/27/10	<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
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001

Note: EB denotes Equipment Blank collected during sampling event.

APPENDIX I

Laboratory Results
1st Quarter 2010

LF-37

April 2011

Plains Marketing, L.P.
Houston, Texas

Prepared by:
BBC International, Inc.

Summary Report

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

Report Date: March 22, 2010

Work Order: 10031808

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
225926	MW-3	water	2010-03-17	12:15	2010-03-18

	BTEX				MTBE
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)
225926 - MW-3	**0.0165**	<0.00100	<0.00100	**0.00450**	

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

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

Report Date: March 22, 2010

Work Order: 10031808

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
225926	MW-3	water	2010-03-17	12:15	2010-03-18

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.

Michael Abel

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

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

Case Narrative

Samples for project LF-37 were received by TraceAnalysis, Inc. on 2010-03-18 and assigned to work order 10031808. Samples for work order 10031808 were received intact without headspace and at a temperature of 1.5 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	58547	2010-03-19 at 12:20	68422	2010-03-19 at 12:20

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10031808 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 225926 - MW-3

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	68422	Date Analyzed:	2010-03-19	Analyzed By:	ER
Prep Batch:	58547	Sample Preparation:	2010-03-19	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0165**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.00450**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[1]	0.114	mg/L	1	0.100	114	79.8 - 104
4-Bromofluorobenzene (4-BFB)	[2]	0.131	mg/L	1	0.100	131	82.5 - 109

Method Blank (1) QC Batch: 68422

QC Batch:	68422	Date Analyzed:	2010-03-19	Analyzed By:	ER
Prep Batch:	58547	QC Preparation:	2010-03-19	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000371	mg/L	0.001
Toluene		<0.000400	mg/L	0.001
Ethylbenzene		<0.000430	mg/L	0.001
Xylene		<0.000379	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[3]	0.108	mg/L	1	0.100	108	79.8 - 104
4-Bromofluorobenzene (4-BFB)		0.105	mg/L	1	0.100	105	82.5 - 109

Laboratory Control Spike (LCS-1)

QC Batch:	68422	Date Analyzed:	2010-03-19	Analyzed By:	ER
Prep Batch:	58547	QC Preparation:	2010-03-19	Prepared By:	ER

[1] High surrogate recovery due to peak interference.
[2] High surrogate recovery due to peak interference.
[3] High surrogate recovery in method blank. Method blank shows no contamination. Results biased high.

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0964	mg/L	1	0.100	<0.000371	96	83.9 - 108
Toluene	0.0930	mg/L	1	0.100	<0.000400	93	83.5 - 109
Ethylbenzene	0.0961	mg/L	1	0.100	<0.000430	96	80.9 - 114
Xylene	0.298	mg/L	1	0.300	<0.000379	99	79.5 - 116

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	0.0946	mg/L	1	0.100	<0.000371	95	83.9 - 108	2	20
Toluene	0.0930	mg/L	1	0.100	<0.000400	93	83.5 - 109	0	20
Ethylbenzene	0.0984	mg/L	1	0.100	<0.000430	98	80.9 - 114	2	20
Xylene	0.302	mg/L	1	0.300	<0.000379	101	79.5 - 116	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) [4]	0.113	0.104	mg/L	1	0.100	113	104	77.1 - 109
4-Bromofluorobenzene (4-BFB)	0.108	0.104	mg/L	1	0.100	108	104	78.9 - 112

Matrix Spike (MS-1) Spiked Sample: 225869

QC Batch: 68422 | Date Analyzed: 2010-03-19 | Analyzed By: ER
Prep Batch: 58547 | QC Preparation: 2010-03-19 | Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.42	mg/L	10	1.00	0.514	91	15.5 - 142
Toluene	1.03	mg/L	10	1.00	0.143	89	20.2 - 138
Ethylbenzene	1.11	mg/L	10	1.00	0.166	94	17.4 - 141
Xylene	3.36	mg/L	10	3.00	0.461	97	21.1 - 138

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	1.52	mg/L	10	1.00	0.514	101	15.5 - 142	7	20
Toluene	1.12	mg/L	10	1.00	0.143	98	20.2 - 138	8	20
Ethylbenzene	1.19	mg/L	10	1.00	0.166	102	17.4 - 141	7	20
Xylene	3.52	mg/L	10	3.00	0.461	102	21.1 - 138	5	20

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

continued ...

[4] Surrogate recovery outside control limits. Spike recoveries within limits showing analysis to be in control.

matrix spikes continued ...

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT) [5]	1.11	1.19	mg/L	10	1	111	119	74.2 - 116
4-Bromofluorobenzene (4-BFB)	1.07	1.09	mg/L	10	1	107	109	78.2 - 120

Standard (CCV-2)

QC Batch: 68422 Date Analyzed: 2010-03-19 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0989	99	80 - 120	2010-03-19
Toluene		mg/L	0.100	0.0964	96	80 - 120	2010-03-19
Ethylbenzene		mg/L	0.100	0.102	102	80 - 120	2010-03-19
Xylene		mg/L	0.300	0.308	103	80 - 120	2010-03-19

Standard (CCV-3)

QC Batch: 68422 Date Analyzed: 2010-03-19 Analyzed By: ER

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	80 - 120	2010-03-19
Toluene		mg/L	0.100	0.0989	99	80 - 120	2010-03-19
Ethylbenzene		mg/L	0.100	0.105	105	80 - 120	2010-03-19
Xylene		mg/L	0.300	0.317	106	80 - 120	2010-03-19

[5] Matrix spike recovery out of control limits due to peak interference.

LAB Order ID # 10031808

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
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1 (800) 378-1296

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

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: BBC International, Inc.
Phone #: 575-397-6388
Address: (Street, City, Zip) 1324 W. Marland, Hobbs, 88240
Fax #: 575-397-0397
Contact Person: Cliff Brunson
E-mail:
Invoice to: (If different from above)
Project #:
Project Name: LF-37
Project Location (including state): Monument, NM
Sampler Signature:

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
225926	MW 3	3	VOA	✓				✓						3/17/10	1215

MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / ~~602~~ / ~~8260~~ / ~~624~~	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC							Turn Around Time if different from standard	Hold
	✓	✓																								

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	BBC	3/17/10	1500					INST ___ OBS ___ °C COR ___ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ___ OBS ___ °C COR ___ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST P OBS 1.3 °C COR 1.5 °C
				Carol Fox	Trace	3-18-10	8:20 AM	

LAB USE ONLY

Intact (Y) N
Headspace Y (N) NA
Log-in-Review

REMARKS:

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

MAR 23 2010

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

Carrier # Fed 7933 6439 3115

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APPENDIX II

Laboratory Results
2nd Quarter 2010

LF-37

April 2011

Plains Marketing, L.P.
Houston, Texas

Prepared by:
BBC International, Inc.

Summary Report

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

Report Date: July 6, 2010

Work Order: 10070139

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
236505	MW-3	water	2010-06-30	13:20	2010-07-01
236506	MW-4	water	2010-06-30	13:40	2010-07-01

	BTEX				MTBE
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)
236505 - MW-3	**0.0125**	<0.00100	<0.00100	**0.00260**	
236506 - MW-4	<0.00100	<0.00100	<0.00100	<0.00100	

TRACEANALYSIS, INC.

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5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

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

Report Date: July 6, 2010

Work Order: 10070139

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
236505	MW-3	water	2010-06-30	13:20	2010-07-01
236506	MW-4	water	2010-06-30	13:40	2010-07-01

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.

Michael Abel

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

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

Case Narrative

Samples for project LF-37 were received by TraceAnalysis, Inc. on 2010-07-01 and assigned to work order 10070139. Samples for work order 10070139 were received intact without headspace and at a temperature of 16.3 C. Fed Ex delivered late. Sample was received on melted ice.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	61196	2010-07-02 at 16:12	71429	2010-07-02 at 16:12

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10070139 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 236505 - MW-3

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	71429	Date Analyzed:	2010-07-02	Analyzed By:	ER
Prep Batch:	61196	Sample Preparation:	2010-07-02	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0125**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.00260**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0906	mg/L	1	0.100	91	79.8 - 104
4-Bromofluorobenzene (4-BFB)	[1]	0.114	mg/L	1	0.100	114	82.5 - 109

Sample: 236506 - MW-4

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	71429	Date Analyzed:	2010-07-02	Analyzed By:	ER
Prep Batch:	61196	Sample Preparation:	2010-07-02	Prepared By:	ER

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)		0.0990	mg/L	1	0.100	99	79.8 - 104
4-Bromofluorobenzene (4-BFB)		0.106	mg/L	1	0.100	106	82.5 - 109

Method Blank (1) QC Batch: 71429

QC Batch:	71429	Date Analyzed:	2010-07-02	Analyzed By:	ER
Prep Batch:	61196	QC Preparation:	2010-07-02	Prepared By:	ER

[1] High surrogate recovery due to peak interference.

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000371	mg/L	0.001
Toluene		<0.000400	mg/L	0.001
Ethylbenzene		<0.000430	mg/L	0.001
Xylene		<0.000379	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0972	mg/L	1	0.100	97	79.8 - 104
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	82.5 - 109

Laboratory Control Spike (LCS-1)

QC Batch: 71429 | Date Analyzed: 2010-07-02 | Analyzed By: ER
Prep Batch: 61196 | QC Preparation: 2010-07-02 | Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0945	mg/L	1	0.100	<0.000371	94	83.9 - 108
Toluene	0.0940	mg/L	1	0.100	<0.000400	94	83.5 - 109
Ethylbenzene	0.0945	mg/L	1	0.100	<0.000430	94	80.9 - 114
Xylene	0.287	mg/L	1	0.300	<0.000379	96	79.5 - 116

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	0.0931	mg/L	1	0.100	<0.000371	93	83.9 - 108	2	20
Toluene	0.0922	mg/L	1	0.100	<0.000400	92	83.5 - 109	2	20
Ethylbenzene	0.0924	mg/L	1	0.100	<0.000430	92	80.9 - 114	2	20
Xylene	0.280	mg/L	1	0.300	<0.000379	93	79.5 - 116	2	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)	0.0897	0.0908	mg/L	1	0.100	90	91	77.1 - 109
4-Bromofluorobenzene (4-BFB)	0.0858	0.0867	mg/L	1	0.100	86	87	78.9 - 112

Matrix Spike (MS-1) Spiked Sample: 236493

QC Batch: 71429 | Date Analyzed: 2010-07-02 | Analyzed By: ER
Prep Batch: 61196 | QC Preparation: 2010-07-02 | Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0682	mg/L	1	0.100	0.0023	66	15.5 - 142
Toluene	0.0642	mg/L	1	0.100	<0.000400	64	20.2 - 138
Ethylbenzene	0.0660	mg/L	1	0.100	<0.000430	66	17.4 - 141
Xylene	0.198	mg/L	1	0.300	<0.000379	66	21.1 - 138

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	[2]	0.0958	mg/L	1	0.100	0.0023	94	15.5 - 142	34	20
Toluene	[3]	0.0947	mg/L	1	0.100	<0.000400	95	20.2 - 138	38	20
Ethylbenzene	[4]	0.0967	mg/L	1	0.100	<0.000430	97	17.4 - 141	38	20
Xylene	[5]	0.289	mg/L	1	0.300	<0.000379	96	21.1 - 138	37	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)	0.0916	0.0891	mg/L	1	0.1	92	89	74.2 - 116
4-Bromofluorobenzene (4-BFB)	0.0910	0.0886	mg/L	1	0.1	91	89	78.2 - 120

Standard (CCV-1)

QC Batch: 71429 | Date Analyzed: 2010-07-02 | Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0958	96	80 - 120	2010-07-02
Toluene		mg/L	0.100	0.0956	96	80 - 120	2010-07-02
Ethylbenzene		mg/L	0.100	0.0959	96	80 - 120	2010-07-02
Xylene		mg/L	0.300	0.290	97	80 - 120	2010-07-02

Standard (CCV-2)

QC Batch: 71429 | Date Analyzed: 2010-07-02 | Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0959	96	80 - 120	2010-07-02
Toluene		mg/L	0.100	0.0947	95	80 - 120	2010-07-02

continued ...

[2]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.
[3]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.
[4]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.
[5]MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ethylbenzene		mg/L	0.100	0.0946	95	80 - 120	2010-07-02
Xylene		mg/L	0.300	0.286	95	80 - 120	2010-07-02

LAB Order ID # 10070139

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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Fax (915) 585-4944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: BBC International
Phone #: 575-397-6388
Address: (Street, City, Zip) PO Box 805
Fax #: 575-397-0397
Contact Person: Cliff Brunson
E-mail:
Invoice to: (If different from above)
Project #:
Project Name: LF-37
Project Location (including state): Monument, NM
Sampler Signature:

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
236505	MW3	3	VOA	✓				✓						6/30/10	1320
506	MW4	3	VOA	✓				✓						6/30/10	1340

MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC	Turn Around Time if different from standard	Hold
	✓																			
	✓																			

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
[signature]	BBC	6-30-10	3pm	Carol Fox	Trace	7-1-10	3:30 pm	INST P OBS 16.1 °C COR 16.3 °C
								INST ____ °C OBS ____ °C COR ____ °C
								INST ____ °C OBS ____ °C COR ____ °C

LAB USE ONLY
Intact Y N
Headspace Y N NA
Log-in-Review N/A

REMARKS:
On Ice
Ice melted

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

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

Carrier # Fed 7936 8787 7942

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LAB Order ID # 10070139

Page 1 of 1

TraceAnalysis, Inc.

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BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: BBC International
Phone #: 575-397-6388
Address: (Street, City, Zip) PO Box 805
Fax #: 575-397-0397
Contact Person: Cliff Brunson
E-mail:
Invoice to: (If different from above)
Project #:
Project Name: LF-37
Project Location (including state): Monument, NM
Sampler Signature:

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
236505	MW3	3	VOA	✓				✓						6/30/10	1320
506	MW4	3	VOA	✓				✓						6/30/10	1340

MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC					Turn Around Time if different from standard	Hold
	✓																							
	✓																							

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
[signature]	BBC	6-30-10	3pm	Carol Fox	Trace	7-1-10	3:30 pm	INST P OBS 16.1 °C COR 16.3 °C
								INST ____ OBS ____ °C COR ____ °C
								INST ____ OBS ____ °C COR ____ °C

LAB USE ONLY

Intact Y N
Headspace Y N NA
Log-in-Review NA

REMARKS:

On Ice
Ice melted
JUL - 6 2010

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

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

Carrier # Fed 7936 8787 7843

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APPENDIX III

Laboratory Results
3rd Quarter 2010

LF-37

April 2011

Plains Marketing, L.P.
Houston, Texas

Prepared by:
BBC International, Inc.

Summary Report

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

Report Date: September 29, 2010

Work Order: 10092423

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
245837	MW #3	water	2010-09-22	15:15	2010-09-24

	BTEX				MTBE
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)
245837 - MW #3	**0.0610**	**0.00210**	**0.00270**	**0.00380**	

TRACEANALYSIS, INC.

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200 East Sunset Road, Suite E | El Paso, Texas 79922 | 888•588•3443 | 915•585•3443 | FAX 915•585•4944
5002 Basin Street, Suite A1 | Midland, Texas 79703 | | 432•689•6301 | FAX 432•689•6313
6015 Harris Parkway, Suite 110 | Ft. Worth, Texas 76132 | | 817•201•5260 |

E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

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

Report Date: September 29, 2010

Work Order: 10092423

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
245837	MW #3	water	2010-09-22	15:15	2010-09-24

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.

Michael Abel

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

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

Case Narrative

Samples for project LF-37 were received by TraceAnalysis, Inc. on 2010-09-24 and assigned to work order 10092423. Samples for work order 10092423 were received intact at a temperature of 5.4 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	63439	2010-09-28 at 14:35	73926	2010-09-28 at 14:35

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10092423 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 245837 - MW #3

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	73926	Date Analyzed:	2010-09-28	Analyzed By:	ER
Prep Batch:	63439	Sample Preparation:	2010-09-28	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0610**	mg/L	1	0.00100
Toluene		**0.00210**	mg/L	1	0.00100
Ethylbenzene		**0.00270**	mg/L	1	0.00100
Xylene		**0.00380**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[1]	0.112	mg/L	1	0.100	112	79.5 - 107
4-Bromofluorobenzene (4-BFB)		0.0949	mg/L	1	0.100	95	74 - 110

Method Blank (1) QC Batch: 73926

QC Batch:	73926	Date Analyzed:	2010-09-28	Analyzed By:	ER
Prep Batch:	63439	QC Preparation:	2010-09-28	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000208	mg/L	0.001
Toluene		<0.000208	mg/L	0.001
Ethylbenzene		<0.000303	mg/L	0.001
Xylene		<0.000326	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0976	mg/L	1	0.100	98	79.5 - 107
4-Bromofluorobenzene (4-BFB)		0.0976	mg/L	1	0.100	98	74 - 110

Laboratory Control Spike (LCS-1)

QC Batch:	73926	Date Analyzed:	2010-09-28	Analyzed By:	ER
Prep Batch:	63439	QC Preparation:	2010-09-28	Prepared By:	ER

[1] High surrogate recovery due to peak interference.

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.103	mg/L	1	0.100	<0.000208	103	85.9 - 111
Toluene	0.102	mg/L	1	0.100	<0.000208	102	86.3 - 111
Ethylbenzene	0.107	mg/L	1	0.100	<0.000303	107	84.4 - 115
Xylene	0.328	mg/L	1	0.300	<0.000326	110	83.8 - 114

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	<0.000208	102	85.9 - 111	1	20
Toluene	0.101	mg/L	1	0.100	<0.000208	101	86.3 - 111	1	20
Ethylbenzene	0.105	mg/L	1	0.100	<0.000303	105	84.4 - 115	1	20
Xylene	0.326	mg/L	1	0.300	<0.000326	109	83.8 - 114	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)	0.103	0.104	mg/L	1	0.100	103	104	82.4 - 111
4-Bromofluorobenzene (4-BFB)	0.102	0.104	mg/L	1	0.100	102	104	77 - 114

Matrix Spike (MS-1) Spiked Sample: 246003

QC Batch: 73926 | Date Analyzed: 2010-09-28 | Analyzed By: ER
Prep Batch: 63439 | QC Preparation: 2010-09-28 | Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.103	mg/L	1	0.100	0.0006	102	47 - 134
Toluene	0.105	mg/L	1	0.100	0.0047	100	60.3 - 129
Ethylbenzene	0.105	mg/L	1	0.100	0.0011	104	60.5 - 127
Xylene	0.323	mg/L	1	0.300	0.0056	106	57.6 - 129

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	0.107	mg/L	1	0.100	0.0006	106	47 - 134	4	20
Toluene	0.109	mg/L	1	0.100	0.0047	104	60.3 - 129	4	20
Ethylbenzene	0.109	mg/L	1	0.100	0.0011	108	60.5 - 127	4	20
Xylene	0.339	mg/L	1	0.300	0.0056	111	57.6 - 129	5	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)	0.101	0.106	mg/L	1	0.1	101	106	77.3 - 116

continued ...

matrix spikes continued ...

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
4-Bromofluorobenzene (4-BFB)	0.0991	0.101	mg/L	1	0.1	99	101	73.7 - 117

Standard (CCV-1)

QC Batch: 73926 Date Analyzed: 2010-09-28 Analyzed By: ER

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	80 - 120	2010-09-28
Toluene		mg/L	0.100	0.0996	100	80 - 120	2010-09-28
Ethylbenzene		mg/L	0.100	0.105	105	80 - 120	2010-09-28
Xylene		mg/L	0.300	0.323	108	80 - 120	2010-09-28

Standard (CCV-2)

QC Batch: 73926 Date Analyzed: 2010-09-28 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.104	104	80 - 120	2010-09-28
Toluene		mg/L	0.100	0.102	102	80 - 120	2010-09-28
Ethylbenzene		mg/L	0.100	0.105	105	80 - 120	2010-09-28
Xylene		mg/L	0.300	0.323	108	80 - 120	2010-09-28

LAB Order ID # 10092423

Page 1 of 1

TraceAnalysis, Inc.

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1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: BEC International

Phone #: (575) 3976588

Address: (Street, City, Zip) 1324 W. Marland Hobbs NM 88240

Fax #: (575) 3970397

Contact Person: Cliff Brunson

E-mail:

Invoice to: (If different from above)

Project #:

Project Name:

Project Location (including state): Monument NM

Sampler Signature:

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
245837	MW # 3	3	VOA	✓				✓				✓		9.22.10	3:15

MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC					Turn Around Time if different from standard	Hold
	✓																							

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
Rogelio Hernandez	HEC	9.22.10	5:00					INST ___ °C OBS ___ °C COR ___ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
								INST ___ °C OBS ___ °C COR ___ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
				Brenda Ward	TRAC Lubbock	9/24/10	2:15	INST P °C OBS 5.6 °C COR 5.4 °C

LAB USE ONLY

Intact (Y) / N

Headspace Y (N) NA

Log-in-Review DM

REMARKS:

Dry Weight Basis Required

TRRP Report Required

Check If Special Reporting Limits Are Needed

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

Carrier # Fed

LAB Order ID # 100924123

Page 1 of 1

TraceAnalysis, Inc.

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Company Name: BEC International
Phone #: (575) 3970588
Address: (Street, City, Zip) 1324 W. Markland Hobbs NM 88240
Fax #: (575) 3970397
Contact Person: Cliff Brunson
E-mail:
Invoice to: (If different from above)
Project #:
Project Name:
Project Location (including state): Monument NM
Sampler Signature:

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
245837	mw # 3	3	VOA	✓				✓				✓		9.22.10	3:15

MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC	Turn Around Time if different from standard	Hold
	✓																			

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
Roger Hernandez	BEC	9.22.10	5:00					INST OBS °C COR °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST OBS °C COR °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST P OBS 5.6 °C COR 5.4 °C
				Brenda Ward	Trac Lubbock	9/24/10	2:15	

LAB USE ONLY
Intact Y / N
Headspace Y N NA
Log-in-Review PM

REMARKS:

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

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

Carrier # Fed

SEP 29 2010

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APPENDIX IV

Laboratory Results
4th Quarter 2010

LF-37

April 2011

Plains Marketing, L.P.
Houston, Texas

Prepared by:
BBC International, Inc.

Summary Report

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

Report Date: January 3, 2011

Work Order: 10122917

Project Location: Monument, NM
Project Name: Plains LF-37

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
254381	MW #2	water	2010-12-27	10:00	2010-12-29
254382	MW #5	water	2010-12-27	11:00	2010-12-29
254383	MW #6	water	2010-12-27	12:49	2010-12-29
254384	MW #8	water	2010-12-27	13:39	2010-12-29
254385	MW #9	water	2010-12-27	14:39	2010-12-29
254386	MW #4	water	2010-12-27	15:33	2010-12-29
254387	MW #3	water	2010-12-27	16:20	2010-12-29

	BTEX				MTBE
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)
254381 - MW #2	<0.00100	<0.00100	<0.00100	<0.00100	
254382 - MW #5	**0.00360**	<0.00100	<0.00100	<0.00100	
254383 - MW #6	<0.00100	<0.00100	<0.00100	<0.00100	
254384 - MW #8	<0.00100	<0.00100	<0.00100	<0.00100	
254385 - MW #9	<0.00100	<0.00100	<0.00100	<0.00100	
254386 - MW #4	<0.00100	<0.00100	<0.00100	<0.00100	
254387 - MW #3	**0.0110**	<0.00100	<0.00100	**0.00410**	

TRACEANALYSIS, INC.

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6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 HUB: 1752439743100-86536 DBE: VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317
El Paso: T104704221-08-TX LELAP-02002
Midland: T104704392-08-TX

Analytical and Quality Control Report

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

Report Date: January 3, 2011

Work Order: 10122917

Project Location: Monument, NM
Project Name: Plains LF-37
Project Number: Plains LF-37

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
254381	MW #2	water	2010-12-27	10:00	2010-12-29
254382	MW #5	water	2010-12-27	11:00	2010-12-29
254383	MW #6	water	2010-12-27	12:49	2010-12-29
254384	MW #8	water	2010-12-27	13:39	2010-12-29
254385	MW #9	water	2010-12-27	14:39	2010-12-29
254386	MW #4	water	2010-12-27	15:33	2010-12-29
254387	MW #3	water	2010-12-27	16:20	2010-12-29

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

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

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

Case Narrative

Samples for project Plains LF-37 were received by TraceAnalysis, Inc. on 2010-12-29 and assigned to work order 10122917. Samples for work order 10122917 were received intact without headspace and at a temperature of 5.9 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	65671	2010-12-29 at 11:20	76593	2010-12-29 at 11:20
BTEX	S 8021B	65691	2010-12-30 at 10:07	76613	2010-12-30 at 10:07
BTEX	S 8021B	65712	2010-12-31 at 16:24	76640	2010-12-31 at 16:24

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10122917 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 254381 - MW #2

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76593	Date Analyzed:	2010-12-29	Analyzed By:	ER
Prep Batch:	65671	Sample Preparation:	2010-12-29	Prepared By:	ER

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)		0.0978	mg/L	1	0.100	98	79.5 - 107
4-Bromofluorobenzene (4-BFB)		0.0943	mg/L	1	0.100	94	74 - 110

Sample: 254382 - MW #5

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76593	Date Analyzed:	2010-12-29	Analyzed By:	ER
Prep Batch:	65671	Sample Preparation:	2010-12-29	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00360**	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)		0.0914	mg/L	1	0.100	91	79.5 - 107
4-Bromofluorobenzene (4-BFB)		0.0794	mg/L	1	0.100	79	74 - 110

Sample: 254383 - MW #6

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76593	Date Analyzed:	2010-12-29	Analyzed By:	ER
Prep Batch:	65671	Sample Preparation:	2010-12-29	Prepared By:	ER

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	79.5 - 107
4-Bromofluorobenzene (4-BFB)		0.0829	mg/L	1	0.100	83	74 - 110

Sample: 254384 - MW #8

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76593	Date Analyzed:	2010-12-29	Analyzed By:	ER
Prep Batch:	65671	Sample Preparation:	2010-12-29	Prepared By:	ER

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)		0.0928	mg/L	1	0.100	93	79.5 - 107
4-Bromofluorobenzene (4-BFB)		0.0836	mg/L	1	0.100	84	74 - 110

Sample: 254385 - MW #9

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76593	Date Analyzed:	2010-12-29	Analyzed By:	ER
Prep Batch:	65671	Sample Preparation:	2010-12-29	Prepared By:	ER

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	79.5 - 107
4-Bromofluorobenzene (4-BFB)		0.0924	mg/L	1	0.100	92	74 - 110

Sample: 254386 - MW #4

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76613	Date Analyzed:	2010-12-30	Analyzed By:	ER
Prep Batch:	65691	Sample Preparation:	2010-12-30	Prepared By:	ER

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	[1]	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[2]	0.0712	mg/L	1	0.100	71	78.4 - 113
4-Bromofluorobenzene (4-BFB)	[3]	0.0781	mg/L	1	0.100	78	81.5 - 121

Sample: 254387 - MW #3

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	76640	Date Analyzed:	2010-12-31	Analyzed By:	ER
Prep Batch:	65712	Sample Preparation:	2010-12-31	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0110**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.00410**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[4]	0.0746	mg/L	1	0.100	75	78.4 - 113

continued ...

[1]Concentration biased low.
[2]Surrogate TFT out due to matrix interference. Sample was reran on 12/30/2010 to confirm matrix interference results.
[3]Surrogate BFB out due to matrix interference. Sample was reran on 12/30/2010 to confirm matrix interference results.
[4]Surrogate recovery outside control limits. Results biased low.

sample continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)		0.0966	mg/L	1	0.100	97	81.5 - 121

Method Blank (1) QC Batch: 76593

QC Batch: 76593 | Date Analyzed: 2010-12-29 | Analyzed By: ER
Prep Batch: 65671 | QC Preparation: 2010-12-29 | Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000208	mg/L	0.001
Toluene		<0.000208	mg/L	0.001
Ethylbenzene		<0.000303	mg/L	0.001
Xylene		<0.000326	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0969	mg/L	1	0.100	97	79.5 - 107
4-Bromofluorobenzene (4-BFB)		0.0938	mg/L	1	0.100	94	74 - 110

Method Blank (1) QC Batch: 76613

QC Batch: 76613 | Date Analyzed: 2010-12-30 | Analyzed By: ER
Prep Batch: 65691 | QC Preparation: 2010-12-30 | Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000371	mg/L	0.001
Toluene		<0.000400	mg/L	0.001
Ethylbenzene		<0.000430	mg/L	0.001
Xylene		<0.000379	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0916	mg/L	1	0.100	92	78.4 - 113
4-Bromofluorobenzene (4-BFB)		0.0995	mg/L	1	0.100	100	81.5 - 121

Method Blank (1) QC Batch: 76640

QC Batch: 76640 | Date Analyzed: 2010-12-31 | Analyzed By: ER
Prep Batch: 65712 | QC Preparation: 2010-12-31 | Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000371	mg/L	0.001
Toluene		<0.000400	mg/L	0.001
Ethylbenzene		<0.000430	mg/L	0.001
Xylene		<0.000379	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0843	mg/L	1	0.100	84	78.4 - 113
4-Bromofluorobenzene (4-BFB)		0.0907	mg/L	1	0.100	91	81.5 - 121

Laboratory Control Spike (LCS-1)

QC Batch: 76593
Prep Batch: 65671

Date Analyzed: 2010-12-29
QC Preparation: 2010-12-29

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0986	mg/L	1	0.100	<0.000208	99	85.9 - 111
Toluene	0.0967	mg/L	1	0.100	<0.000208	97	86.3 - 111
Ethylbenzene	0.100	mg/L	1	0.100	<0.000303	100	84.4 - 115
Xylene	0.312	mg/L	1	0.300	<0.000326	104	83.8 - 114

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		0.105	mg/L	1	0.100	<0.000208	105	85.9 - 111	6	20
Toluene		0.107	mg/L	1	0.100	<0.000208	107	86.3 - 111	10	20
Ethylbenzene	[5]	0.116	mg/L	1	0.100	<0.000303	116	84.4 - 115	15	20
Xylene	[6]	0.359	mg/L	1	0.300	<0.000326	120	83.8 - 114	14	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.100	0.106	mg/L	1	0.100	100	106	82.4 - 111
4-Bromofluorobenzene (4-BFB)	0.0966	0.106	mg/L	1	0.100	97	106	77 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 76613
Prep Batch: 65691

Date Analyzed: 2010-12-30
QC Preparation: 2010-12-30

Analyzed By: ER
Prepared By: ER

[5]LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[6]LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0827	mg/L	1	0.100	<0.000371	83	79.8 - 112
Toluene	0.0846	mg/L	1	0.100	<0.000400	85	76.9 - 116
Ethylbenzene	0.0849	mg/L	1	0.100	<0.000430	85	78.1 - 116
Xylene	0.249	mg/L	1	0.300	<0.000379	83	80.1 - 113

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	0.0828	mg/L	1	0.100	<0.000371	83	79.8 - 112	0	20
Toluene	0.0835	mg/L	1	0.100	<0.000400	84	76.9 - 116	1	20
Ethylbenzene	0.0846	mg/L	1	0.100	<0.000430	85	78.1 - 116	0	20
Xylene	0.246	mg/L	1	0.300	<0.000379	82	80.1 - 113	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)	0.0894	0.0784	mg/L	1	0.100	89	78	75.8 - 111
4-Bromofluorobenzene (4-BFB)	0.0935	0.0821	mg/L	1	0.100	94	82	71.9 - 111

Laboratory Control Spike (LCS-1)

QC Batch: 76640 | Date Analyzed: 2010-12-31 | Analyzed By: ER
Prep Batch: 65712 | QC Preparation: 2010-12-31 | Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0813	mg/L	1	0.100	<0.000371	81	79.8 - 112
Toluene	0.0827	mg/L	1	0.100	<0.000400	83	76.9 - 116
Ethylbenzene	0.0833	mg/L	1	0.100	<0.000430	83	78.1 - 116
Xylene	0.244	mg/L	1	0.300	<0.000379	81	80.1 - 113

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	0.0822	mg/L	1	0.100	<0.000371	82	79.8 - 112	1	20
Toluene	0.0840	mg/L	1	0.100	<0.000400	84	76.9 - 116	2	20
Ethylbenzene	0.0842	mg/L	1	0.100	<0.000430	84	78.1 - 116	1	20
Xylene	0.246	mg/L	1	0.300	<0.000379	82	80.1 - 113	1	20

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

continued ...

control spikes continued ...

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT) [7]	0.0714	0.0798	mg/L	1	0.100	71	80	75.8 - 111
4-Bromofluorobenzene (4-BFB)	0.0736	0.0824	mg/L	1	0.100	74	82	71.9 - 111

Matrix Spike (MS-1) Spiked Sample: 254338

QC Batch: 76593 | Date Analyzed: 2010-12-29 | Analyzed By: ER
Prep Batch: 65671 | QC Preparation: 2010-12-29 | Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0968	mg/L	1	0.100	0.0004	96	47 - 134
Toluene	0.0934	mg/L	1	0.100	<0.000208	93	60.3 - 129
Ethylbenzene	0.0962	mg/L	1	0.100	<0.000303	96	60.5 - 127
Xylene	0.296	mg/L	1	0.300	<0.000326	99	57.6 - 129

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	0.0928	mg/L	1	0.100	0.0004	92	47 - 134	4	20
Toluene	0.0893	mg/L	1	0.100	<0.000208	89	60.3 - 129	4	20
Ethylbenzene	0.0920	mg/L	1	0.100	<0.000303	92	60.5 - 127	4	20
Xylene	0.286	mg/L	1	0.300	<0.000326	95	57.6 - 129	3	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)	0.102	0.106	mg/L	1	0.1	102	106	77.3 - 116
4-Bromofluorobenzene (4-BFB)	0.0994	0.0895	mg/L	1	0.1	99	90	73.7 - 117

Matrix Spike (MS-1) Spiked Sample: 254418

QC Batch: 76613 | Date Analyzed: 2010-12-30 | Analyzed By: ER
Prep Batch: 65691 | QC Preparation: 2010-12-30 | Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.176	mg/L	1	0.100	0.128	48	29.6 - 139

continued ...

[7]LCS analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCSD shows extraction occured properly.

matrix spikes continued ...

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Toluene		0.243	mg/L	1	0.100	0.195	48	44.3 - 131
Ethylbenzene		0.0651	mg/L	1	0.100	0.0155	50	43.8 - 131
Xylene	[8]	0.376	mg/L	1	0.300	0.234	47	48.8 - 126

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	[9]	0.217	mg/L	1	0.100	0.128	89	29.6 - 139	21	20
Toluene		0.280	mg/L	1	0.100	0.195	85	44.3 - 131	14	20
Ethylbenzene	[10]	0.101	mg/L	1	0.100	0.0155	86	43.8 - 131	43	20
Xylene	[11]	0.486	mg/L	1	0.300	0.234	84	48.8 - 126	26	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)	0.0788	0.0789	mg/L	1	0.1	79	79	73.9 - 118
4-Bromofluorobenzene (4-BFB)	0.0827	0.0810	mg/L	1	0.1	83	81	73.8 - 116

Matrix Spike (MS-1) Spiked Sample: 254437

QC Batch: 76640 | Date Analyzed: 2010-12-31 | Analyzed By: ER
Prep Batch: 65712 | QC Preparation: 2010-12-31 | Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.158	mg/L	1	0.100	0.0829	75	29.6 - 139
Toluene	0.0852	mg/L	1	0.100	0.0038	81	44.3 - 131
Ethylbenzene	0.0816	mg/L	1	0.100	<0.000430	82	43.8 - 131
Xylene	0.480	mg/L	1	0.300	0.262	73	48.8 - 126

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	0.164	mg/L	1	0.100	0.0829	81	29.6 - 139	4	20
Toluene	0.0864	mg/L	1	0.100	0.0038	83	44.3 - 131	1	20
Ethylbenzene	0.0828	mg/L	1	0.100	<0.000430	83	43.8 - 131	1	20
Xylene	0.490	mg/L	1	0.300	0.262	76	48.8 - 126	2	20

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

[8] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[9] MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.
[10] MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.
[11] MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0744	0.0769	mg/L	1	0.1	74	77	73.9 - 118
4-Bromofluorobenzene (4-BFB)	0.0841	0.0840	mg/L	1	0.1	84	84	73.8 - 116

Standard (CCV-2)

QC Batch: 76593 Date Analyzed: 2010-12-29 Analyzed By: ER

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	80 - 120	2010-12-29
Toluene		mg/L	0.100	0.0996	100	80 - 120	2010-12-29
Ethylbenzene		mg/L	0.100	0.102	102	80 - 120	2010-12-29
Xylene		mg/L	0.300	0.318	106	80 - 120	2010-12-29

Standard (CCV-3)

QC Batch: 76593 Date Analyzed: 2010-12-29 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0973	97	80 - 120	2010-12-29
Toluene		mg/L	0.100	0.0954	95	80 - 120	2010-12-29
Ethylbenzene		mg/L	0.100	0.0973	97	80 - 120	2010-12-29
Xylene		mg/L	0.300	0.302	101	80 - 120	2010-12-29

Standard (CCV-1)

QC Batch: 76613 Date Analyzed: 2010-12-30 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0828	83	80 - 120	2010-12-30
Toluene		mg/L	0.100	0.0839	84	80 - 120	2010-12-30
Ethylbenzene		mg/L	0.100	0.0839	84	80 - 120	2010-12-30
Xylene		mg/L	0.300	0.245	82	80 - 120	2010-12-30

Standard (CCV-2)

QC Batch: 76613 Date Analyzed: 2010-12-30 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0811	81	80 - 120	2010-12-30
Toluene		mg/L	0.100	0.0812	81	80 - 120	2010-12-30
Ethylbenzene		mg/L	0.100	0.0808	81	80 - 120	2010-12-30
Xylene	[12]	mg/L	0.300	0.237	79	80 - 120	2010-12-30

Standard (CCV-2)

QC Batch: 76640 Date Analyzed: 2010-12-31 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0856	86	80 - 120	2010-12-31
Toluene		mg/L	0.100	0.0851	85	80 - 120	2010-12-31
Ethylbenzene		mg/L	0.100	0.0849	85	80 - 120	2010-12-31
Xylene		mg/L	0.300	0.248	83	80 - 120	2010-12-31

Standard (CCV-3)

QC Batch: 76640 Date Analyzed: 2010-12-31 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0879	88	80 - 120	2010-12-31
Toluene		mg/L	0.100	0.0883	88	80 - 120	2010-12-31
Ethylbenzene		mg/L	0.100	0.0891	89	80 - 120	2010-12-31
Xylene		mg/L	0.300	0.259	86	80 - 120	2010-12-31

[12]CCV low outside of control limits. Concentrations will be biased low. •

LAB Order ID # 10122917

Page _____ of _____

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

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: BBC International
Phone #: (575) 397-6388
Address: (Street, City, Zip) 1324 W. Marland Hobbs, NM 88240
Fax #: (575) 397-0397
Contact Person: Cliff Brunson
E-mail:
Invoice to: (If different from above) Same
Project #:
Project Name: Plains/LF-37
Project Location (including state): Monument, NM
Sampler Signature:

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	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC	Turn Around Time if different from standard	Hold
254381	mw# 2	3	VOA	X				X				X		12/27/10	1000		X																			
382	mw# 5	3	VOA	X				X				X			1100		X																			
383	mw# 6	3	VOA	X				X				X			~~1249~~		X																			
384	mw# 8	3	VOA	X				X				X			~~139~~		X																			
385	mw# 9	3	VOA	X				X				X			~~239~~		X																			
386	mw# 4	3	VOA	X				X				X			~~320~~		X																			
387	mw# 3	3	VOA	X				X				X			420		X																			
~~388~~ BW	Temp Blank	1																																		

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	BBC	12-27-10	500pm			12-27-10	500pm	INST _____ °C OBS _____ °C COR _____ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	BBC	12-28-10	900		TA	12/29/10	10:10	INST P OBS 5.6 °C COR 5.9 °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST _____ °C OBS _____ °C COR _____ °C

LAB USE ONLY

Intact Y N

Headspace Y/N/NA

Log-in-Review

REMARKS:

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

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

Carrier # FedEx 7942 6688 5908

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LAB Order ID # 10[redacted]91T

Page _____ of _____

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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Lubbock, Texas 79424
Tel (806) 794-1296
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5002 Basin Street, Suite A1
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Fax (915) 585-4944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: BBC International
Phone #: (575) 397-6388
Address: (Street, City, Zip) 1324 W. Marland Hobbs, NM 88240
Fax #: (575) 397-0397
Contact Person: Cliff Brunson
E-mail:
Invoice to: (If different from above) Same
Project #:
Project Name: Plains/LF-37
Project Location (including state): Monument, NM
Sampler Signature:

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	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC	Turn Around Time if different from standard	Hold
254381	mw#2	3	voa	X				X	–			X		12/27/10	1000		X																			
382	mw#5	3	voa	X				X				X			1100		X																			
383	mw#6	3	voa	X				X				X			~~1345~~		X																			
384	mw#8	3	voa	X				X				X			~~1439~~		X																			
385	mw#9	3	voa	X				X				X			~~1339~~		X																			
386	mw#4	3	voa	X				X				X			~~1308~~		X																			
387	mw#3	3	voa	X				X				X			420		X																			
~~388~~ BW	Temp Blank	1																																	

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	BBC	12-27-10	500pm			12-27-10	500pm	INST ____ OBS ____ °C COR ____ °C
	BBC	12-28-10	900am		TA	12/29/10	10:10	INST P OBS 5.6 °C COR 5.9 °C
								INST ____ OBS ____ °C COR ____ °C

LAB USE ONLY

Intact Y / N
Headspace Y / N / NA
Log-in-Review

REMARKS:

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

1-3-11 VH E/P

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

Carrier # FedEx 7942 6688 5908

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APPENDIX V

FORM C-141

LF-37

April 2011

Plains Marketing, L.P.
Houston, Texas

Prepared by:
BBC International, Inc.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

LF-37

Form C-141
Revised March 17, 1999

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☐ Final Report

Name of Company **EOTT Energy Pipeline Limited Partnership**	Contact **Lennah Frost**
Address **P.O. Box 1660, Midland, TX 79702**	Telephone No. **915/684-3467**
Facility Name **Monument 6"**	Facility Type **pipeline**

Surface Owner	Mineral Owner	Lease No.
State of New Mexico		

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 **Pipeline corrosion leak**	Date and Hour of Occurrence **5/4/99, 3 pm**	Date and Hour of Discovery **5/4/99, 3 pm**
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.*

Describe Cause of Problem and Remedial Action Taken.*
Line had been idled but not de-oiled. The line has since been de-oiled and taken out of service.

Describe Area Affected and Cleanup Action Taken.*
Contaminated soil was excavated. Approx. 1992 cu. yds of soil was disposed of at C&C Landfarm. The remainder of the soil was remediated on site using microbes. All analysis are attached. EOTT requests closure at this site.

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

Signature:	OIL CONSERVATION DIVISION	
Printed Name: **Lennah Frost**	Approved by District Supervisor:	
Title: **Sr. Environmental Engineer**	Approval Date:	Expiration Date:
Date: **1/5/00** Phone: **915/684-3467**	Conditions of Approval:	Attached ☐

* Attach Additional Sheets If Necessary