2R - 53

MONITORING REPORTS DATE:

2007

Basin Environmental Service Technologies, LLC

2800 Plains Highway
P. O. Box 301
Lovington, New Mexico 88260
kdutton@basinenv.com
Office: (505) 396-2378 Fax: (505) 396-1429

Effective Solutions

2007
ANNUAL MONITORING REPORT

BALLARD GRAYBURG 5" SITE
SW ¼ SW ¼ SECTION 10, TOWNSHIP 18 SOUTH, RANGE 29 EAST
LATITUDE 32°, 45', 27.1" NORTH, LONGITUDE 104°, 04', 12.0" WEST
EDDY COUNTY, NEW MEXICO
PLAINS SRS NUMBER: 2004-00192
NMOCD REF: 2R-0053

PREPARED FOR:

PLAINS

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

PREPARED BY:

BASIN ENVIRONMENTAL SERVICE TECHNOLOGIES, LLC
2800 Plains Highway
P. O. Box 301
Lovington, New Mexico 88260

February 2008

Ken Dutton
Project Manager

PLAINS
ALL AMERICAN

RECEIVED
2008 MAR 25 AM 7 27

14 March 2008

Mr. Ed Hansen
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Plains All American – Annual Monitoring Report
1 Site in Lea County, New Mexico

Dear Mr. Hansen:

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

Ballard Grayburg 5" Section 10, Township 18 South, Range 29 East, Eddy County

Basin prepared this document and has vouched for its accuracy and completeness, and on behalf of Plains All American, I have personally reviewed the document and interviewed Basin in order to verify the accuracy and completeness of this document. It is based upon these inquiries and reviews that Plains All American submits the enclosed Annual Monitoring Report for the above facility.

Should you have any questions or comments, please contact me at (505) 441-0965.

Sincerely,

Camille Reynolds

Camille Reynolds
Remediation Coordinator
Plains All American

Enclosure

cc: Mr. Mike Bratcher, NMOCD Artesia District II

TABLE OF CONTENTS

INTRODUCTION

Basin Environmental Service Technologies, LLC (Basin), on behalf of Plains Marketing, L.P., (Plains), prepared this annual report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an annual report by April 1 of each year. This report is intended to be viewed as a complete document with text, figures, tables, and appendices. This report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2007 only. Additional site activities and remedial work is summarized in several letters and reports previously submitted to the NMOCD. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during the four (4) consecutive quarters of 2007 at the request of the NMOCD to monitor the groundwater from dissolved phase constituents. The groundwater monitoring event consisted of measuring static water levels in the monitoring wells, checking for the presence of phase-separated hydrocarbons (PSH) atop the water column, and purging and sampling of each well exhibiting sufficient recharge. Monitoring or recovery wells containing a thickness of PSH greater than 0.01 foot were not sampled.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The legal description of the site is SW¼ SW¼ Section 10, Township 18 South, Range 29 East. The site latitude is 32°, 45', 27.1" North and the site longitude is 104°, 04', 12.0" West. On 02 September 2004, Allstate Environmental Services responded to the pipeline release to repair the pipeline and excavate the impacted soil. At the request of Plains, Basin performed subsequent remediation of the site. The Ballard Grayburg 5" Pipeline was subsequently de-oiled, cold cut and capped. Approximately 80 barrels of crude oil were released from the Plains pipeline and 0 barrels were recovered. The site is characterized by a right-of-way for the pipeline in a pasture utilized for cattle grazing. The initial visibly surface stained area included the release point covering an area approximately 22 feet long by 23 feet wide. Excavation activities during the emergency response and subsequent remediation of the site covered an area approximately 225 feet long by 60 feet wide and ranged from approximately 10 to 20 feet below ground surface (bgs), respectively. Excavated soil was placed on a 6-mil poly-liner for future remedial action.

A Preliminary Site Investigation Report (PSIR) and Remediation Plan, dated 14 November 2004 was submitted and approved by NMOCD, Artesia District II and the U. S. Department of the Interior, Bureau of Land Management (BLM), Carlsbad Office. The approved plan included excavating to approximately 12 to 15 feet bgs, collecting confirmation soil samples, installing a 40-mil poly liner, blending of the clean segregated overburden and impacted soil on-site and backfilling the excavation with the blended soil. In March 2006, an electronic revision was submitted and subsequently approved by NMOCD (Santa Fe) and BLM. The approved revision included excavating to a depth of approximately 18 to 20 feet bgs, installation of a 40-ml poly liner at the floor of the excavation, blending the excavated soil with clean segregated overburden, backfilling the excavation with blended stockpiled material on-site, collecting soil

samples at 500 cubic yard intervals ensuring TPH constituent concentrations were below 1000 mg/kg and reseed with approved BLM grass seed.

Based on initial delineation of the release site, two (2) groundwater monitoring wells were installed to evaluate the quality of groundwater and one (1) recovery well due to the presents of PSH from the soil samples during drilling activities. During the installation of the two (2) groundwater monitoring wells (October 2004), there were no visual signs of PSH and laboratory results of the selected soil samples did not indicate BTEX and TPH constituent concentrations above laboratory method detection limits or were significantly below NMOCD limits for the soil samples submitted to the laboratory. Two attempts to install an up gradient monitoring well proved futile due to drilling into subsurface limestone caverns. A hydrocarbon absorbent sock was installed in the recovery well to absorb the limited amount of crude oil on the groundwater and was replaced on a monthly basis. During excavation of the release area, recovery well RW-1 collapsed and was rendered unusable. The approved PSIR electronic revision stipulated that an additional recovery well north-northwest of the plugged and abandoned recovery well RW-1 be attempted once backfilling of the excavation was completed. In July 2006, an attempt to install the recovery well was initiated, however, as mentioned above, subsurface limestone caverns were encountered which negated the recovery well installation.

Currently, there are two (2) groundwater monitoring wells, MW-2 and MW-3 which are down gradient, on site.

FIELD ACTIVITIES

The site monitoring wells were gauged and sampled on 19 March 2007, 05 June 2007, 27 September 2007 and 04 December 2007. During the quarterly sampling events, the monitoring wells, designated to be sampled, were purged of approximately 3 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 stored in clean, glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a trailer mounted polystyrene tank and disposed at an approved disposal in Monument, New Mexico.

Locations of the groundwater monitoring wells and the inferred groundwater elevations, which were constructed from the measurements collected during the quarterly monitoring events, are depicted on Figures 2A through 2D. The groundwater elevation data are provided as Table 1. Research of the New Mexico State Engineers Office reflected a general south to southwest groundwater gradient in this area of Eddy County, New Mexico. The depth to groundwater, as measured from the top of the well casing, was 186.57, from the 04 December 2007 monitoring event.

LABORATORY RESULTS

Groundwater samples were collected from the groundwater monitoring wells (MW-2 and MW-3) during the quarterly monitoring events and were delivered to Environmental Laboratory of Texas, Odessa, Texas for determination of benzene, toluene, ethylbenzene and xylenes (BTEX)

constituent concentrations by EPA Method SW846-8021b. A summary of BTEX constituent concentrations for 2007 is presented in Table 2 and the laboratory reports are provided as Appendix A.

Laboratory results for the two (2) site groundwater samples, obtained during the four (4) sampling periods, indicated that benzene and total BTEX constituent concentrations for monitoring well MW-2 were below applicable NMOCD limits for the third quarter monitoring event and exceeded NMOCD benzene limits at 0.043 mg/L, 0.012 mg/L and 0.013 mg/L, respectively, for the remaining three (3) monitoring events. Laboratory results indicated that benzene and total BTEX constituent concentrations for monitoring well MW-3 were not detected above laboratory method detection limits for the first quarter monitoring event and exceeded NMOCD benzene limits for the remaining three (3) monitoring events at 0.091mg/L, 0.017 mg/L and 0.013 mg/L, respectively. Laboratory results are depicted on Figures 3A through 3D.

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

Based on the depth of the soil impact at this site, the NMOCD requested four (4) quarterly groundwater sampling events to be conducted at this site. This report presents the results of monitoring activities for the monitoring period. Currently, there are two (2) groundwater monitoring wells (MW-2 and MW-3) on-site. Based on the limited data, groundwater elevations at the site are relatively similar and research of the New Mexico State Engineers Office reflected a general groundwater gradient to the south-southwest.

Laboratory results for the two (2) site groundwater samples, obtained during the four (4) sampling periods, indicated that benzene and total BTEX constituent concentrations for monitoring well MW-2 were below applicable NMOCD limits for the third quarter monitoring event and exceeded NMOCD benzene limits for the remaining three (3) monitoring events. Laboratory results indicated that benzene and total BTEX constituent concentrations for monitoring well MW-3 were not detected above laboratory method detection limits for the first quarter monitoring event and exceeded NMOCD benzene limits for the remaining three (3) monitoring events.

ANTICIPATED ACTIONS

The NMOCD approved soil remediation activities at the Ballard Grayburg 5" site were completed and a site closure was submitted and approved by NMOCD Santa Fe. Based on the laboratory results from thirteen (13) consecutive quarterly sampling events, continued quarterly groundwater monitoring for MW-2 and MW-3 and annual reporting will be conducted in 2008.

LIMITATIONS

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

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

DISTRIBUTION

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P. O. Box 301
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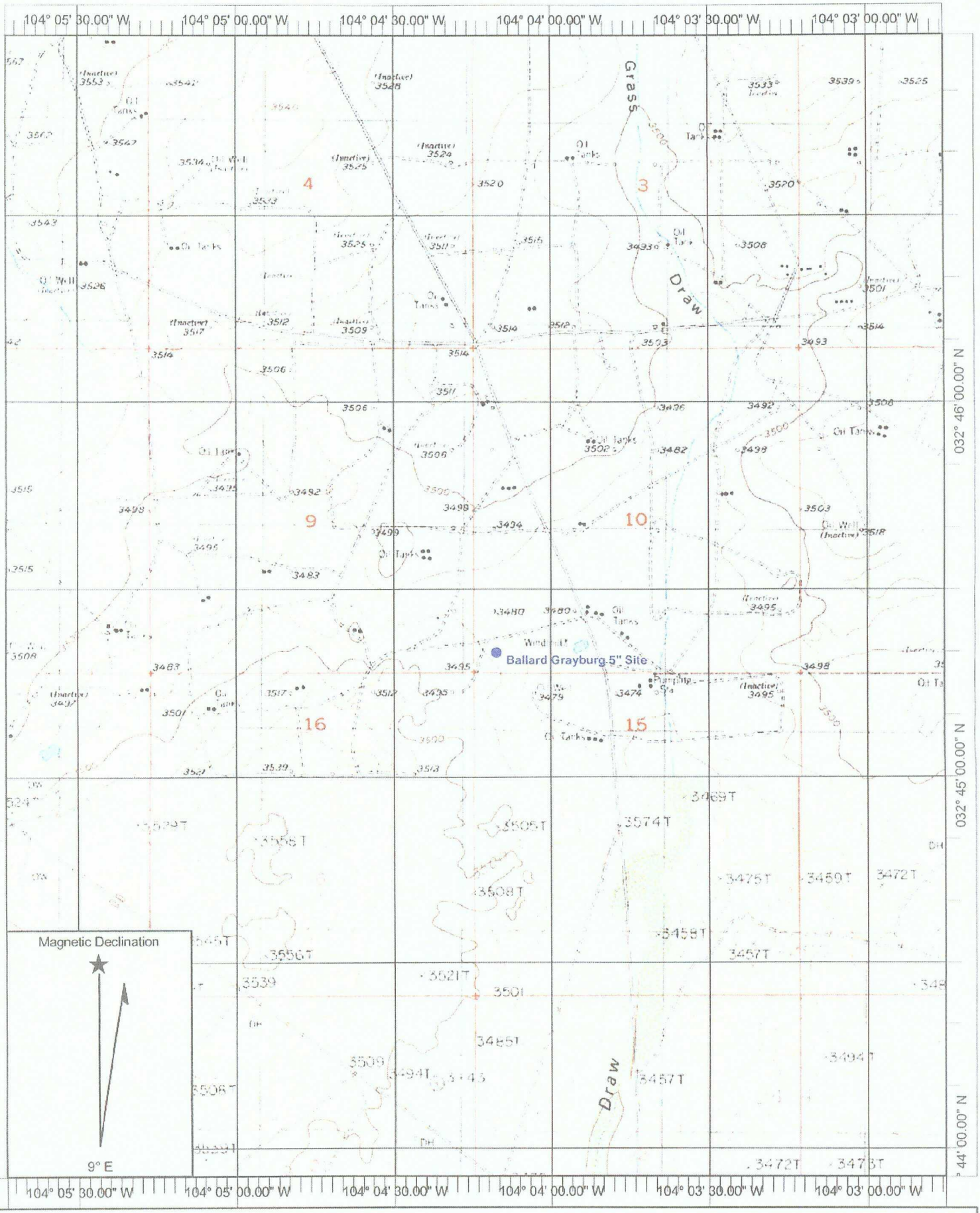
kdutton@basinenv.com

Copy Number: 1

FIGURES

FIGURE 1

SITE LOCATION MAP



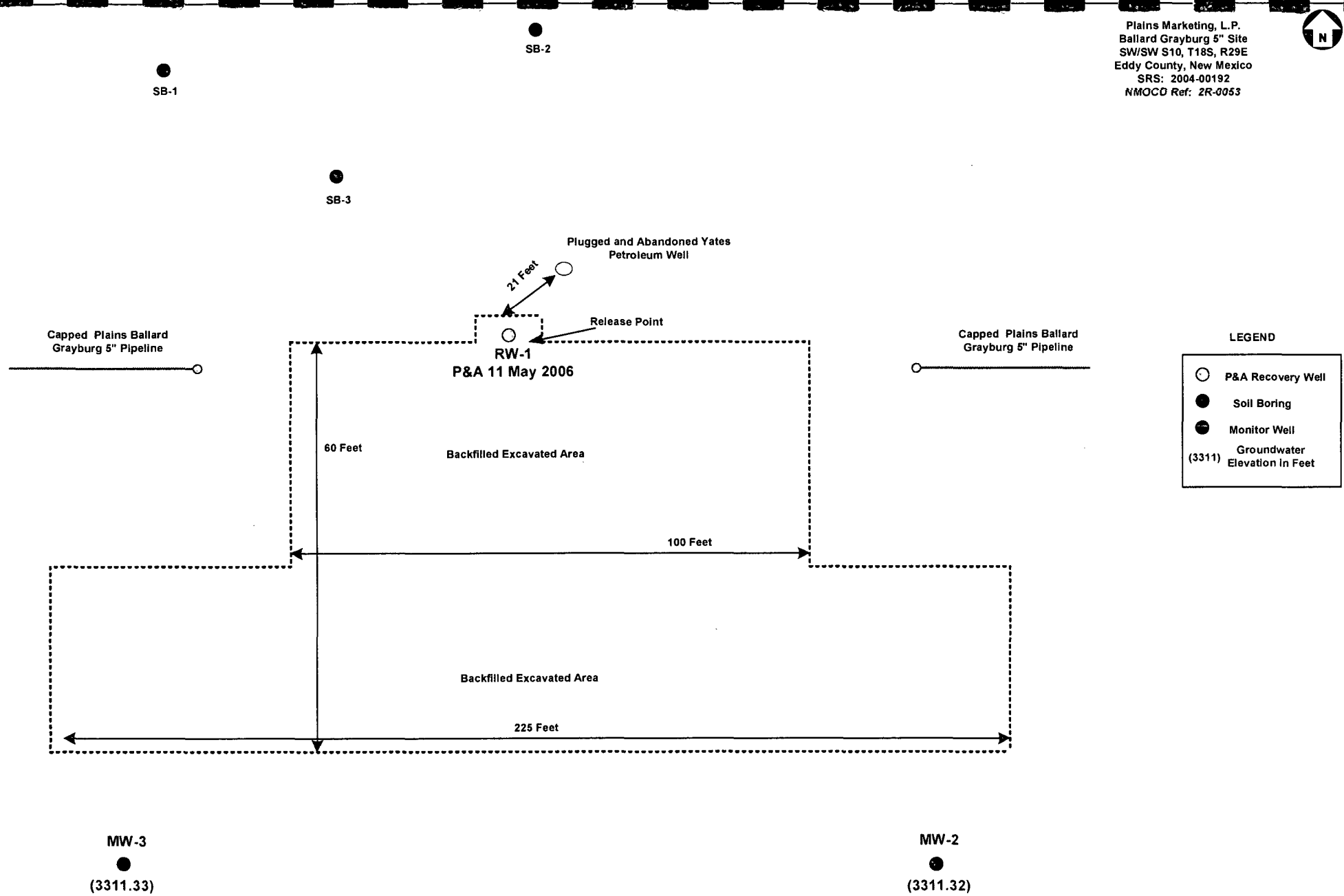
Name: RED LAKE SE
Date: 1/30/2007
Scale: 1 inch equals 2000 feet

Location: 032° 45' 27.39" N 104° 04' 14.57" W NAD 27
Caption: Figure 1, Site Location Map
Plains Marketing, L. P.
Ballard Grayburg 5" Site

FIGURE 2A

INFERRED GROUNDWATER ELEVATION MAP – 19 MARCH 2007

Plains Marketing, L.P.
Ballard Grayburg 5" Site
SW/SW S10, T18S, R29E
Eddy County, New Mexico
SRS: 2004-00192
NMOCD Ref: 2R-0053



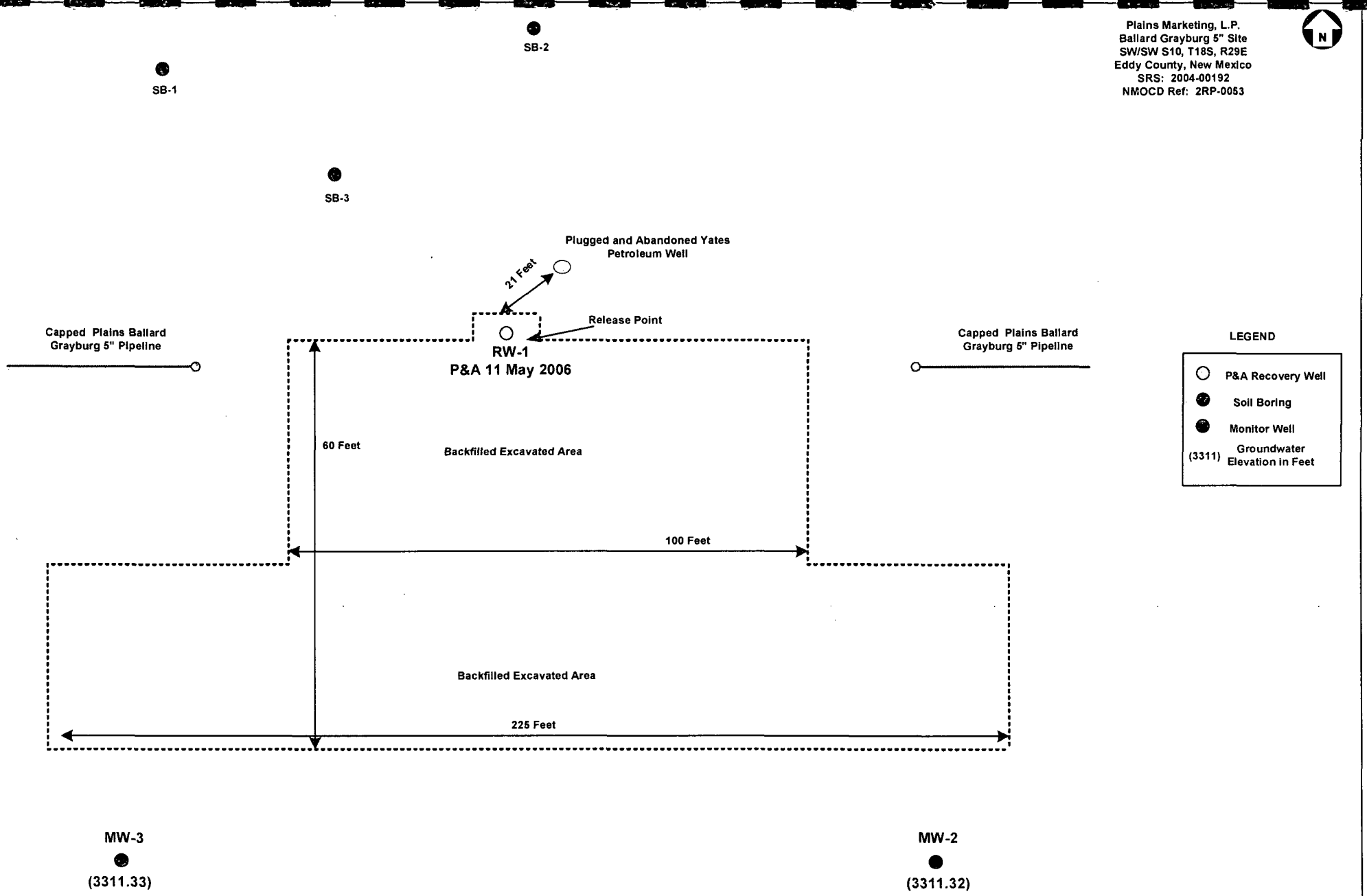
DESCRIPTION

Figure 2A
Inferred Groundwater Elevation Map
19 March 2007

FIGURE 2B

INFERRED GROUNDWATER ELEVATION MAP – 05 JUNE 2007

Plains Marketing, L.P.
Ballard Grayburg 5" Site
SW/SW S10, T18S, R29E
Eddy County, New Mexico
SRS: 2004-00192
NMOCD Ref: 2RP-0053

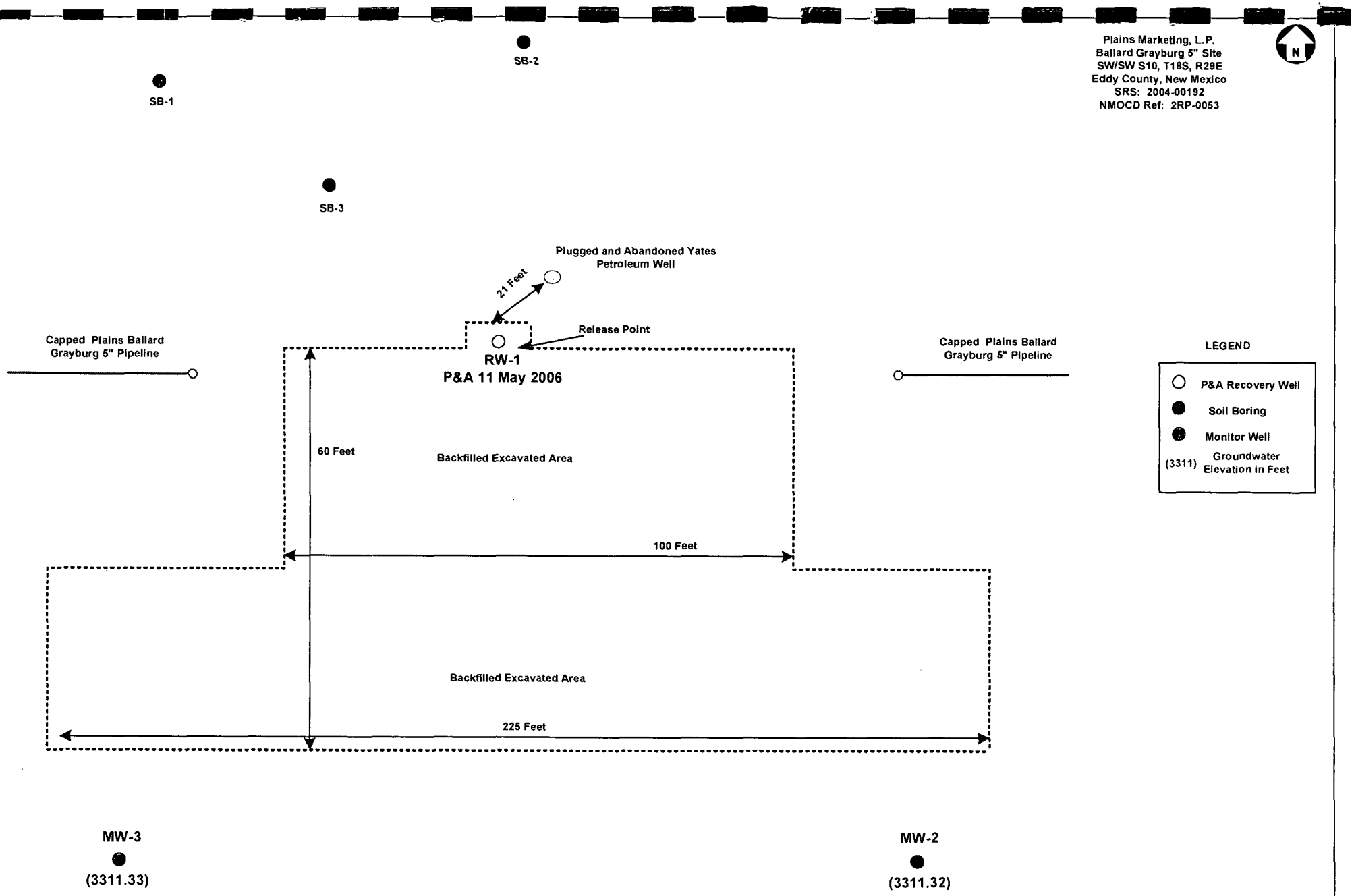


DESCRIPTION

Figure 2B
Inferred Groundwater Elevation Map
05 June 2007

FIGURE 2C

INFERRED GROUNDWATER ELEVATION MAP – 27 SEPTEMBER 2007



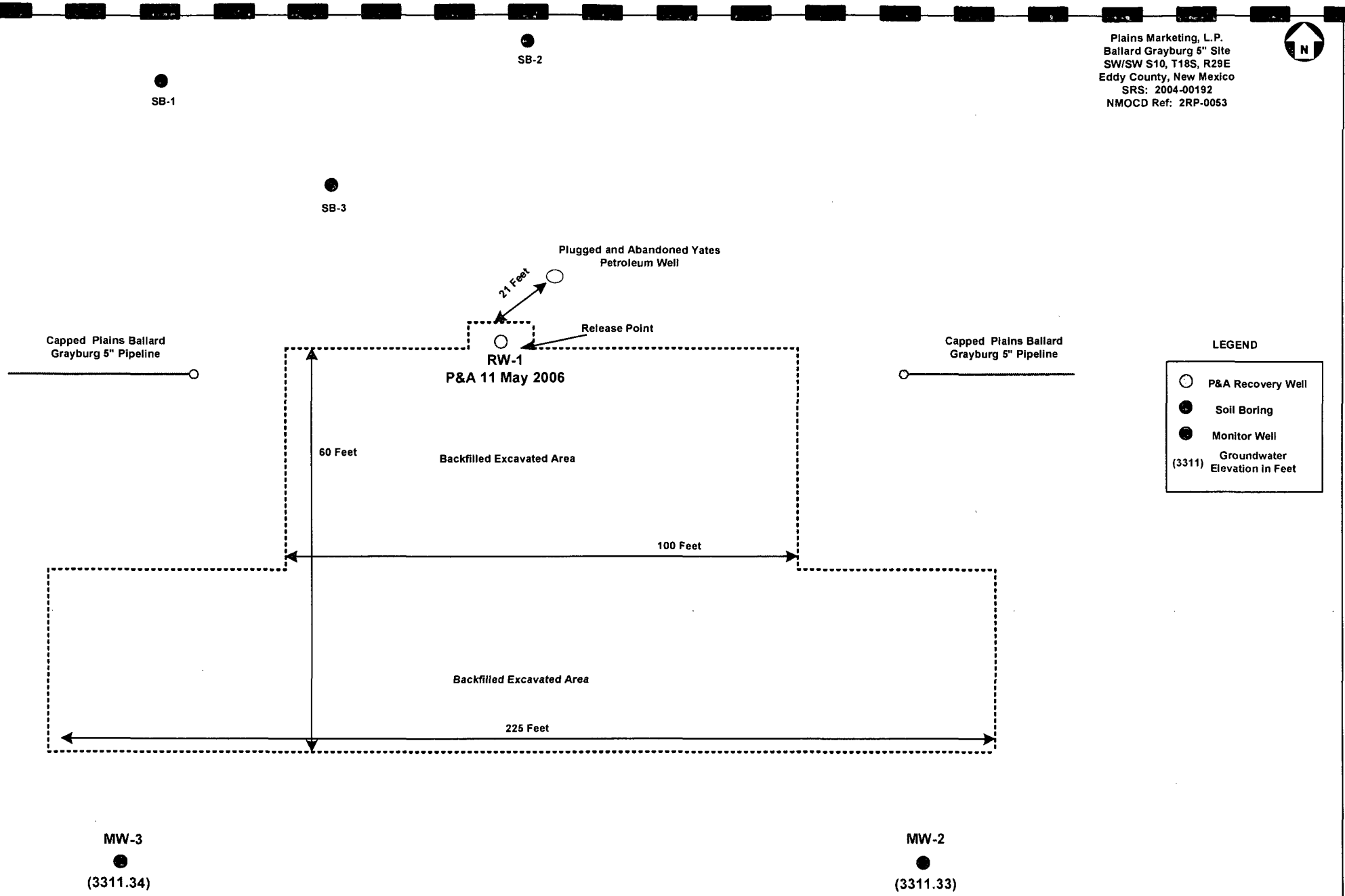
DESCRIPTION

Figure 2C
Inferred Groundwater Elevation Map
27 September 2007

FIGURE 2D

INFERRED GROUNDWATER ELEVATION MAP – 04 DECEMBER 2007

Plains Marketing, L.P.
Ballard Grayburg 5" Site
SW/SW S10, T18S, R29E
Eddy County, New Mexico
SRS: 2004-00192
NMOCD Ref: 2RP-0053



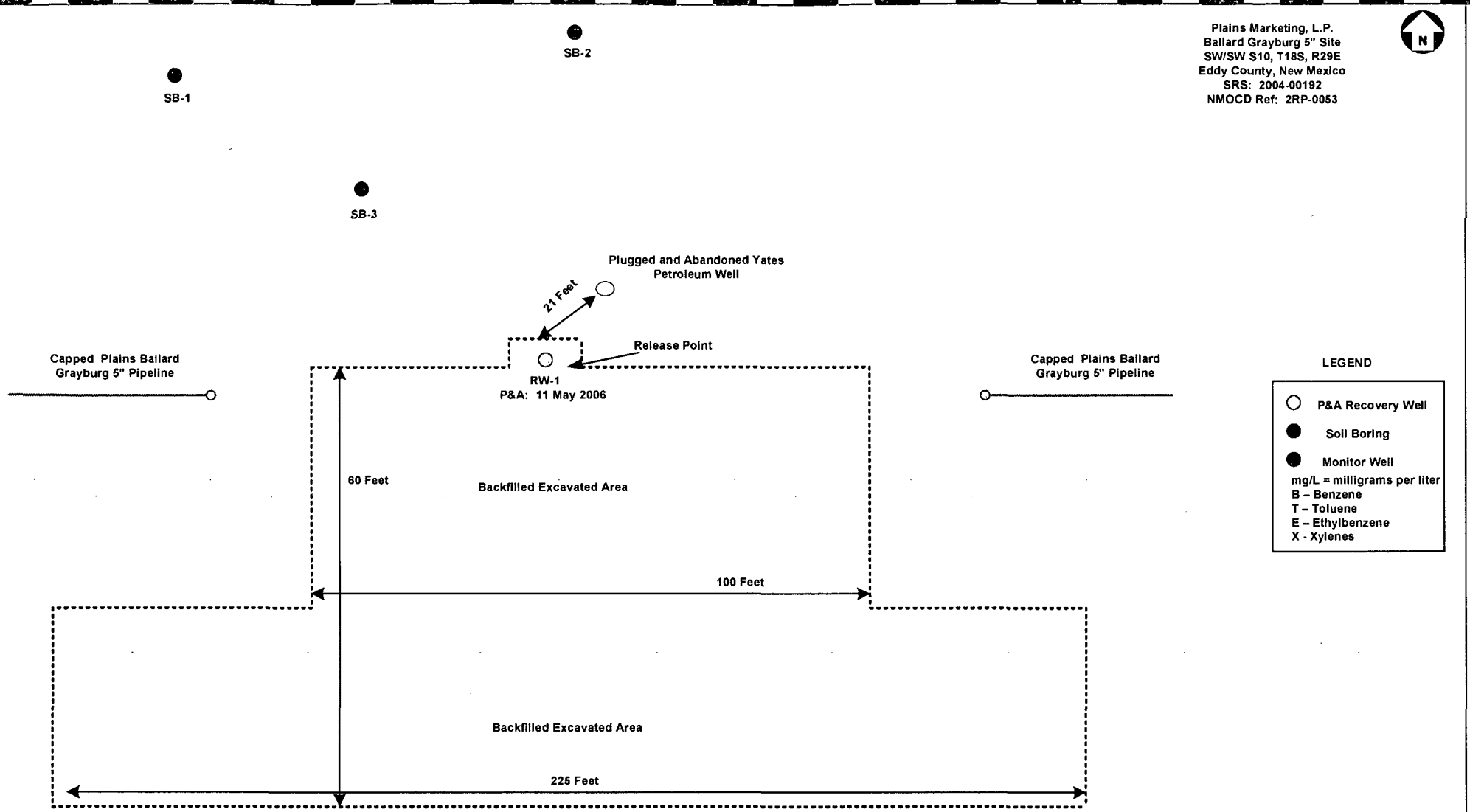
DESCRIPTION

Figure 2D
Inferred Groundwater Elevation Map
04 December 2007

FIGURE 3A

GROUNDWATER CONCENTRATION MAP – 19 MARCH 2007

Plains Marketing, L.P.
Ballard Grayburg 5" Site
SW/SW S10, T18S, R29E
Eddy County, New Mexico
SRS: 2004-00192
NMOCD Ref: 2RP-0053



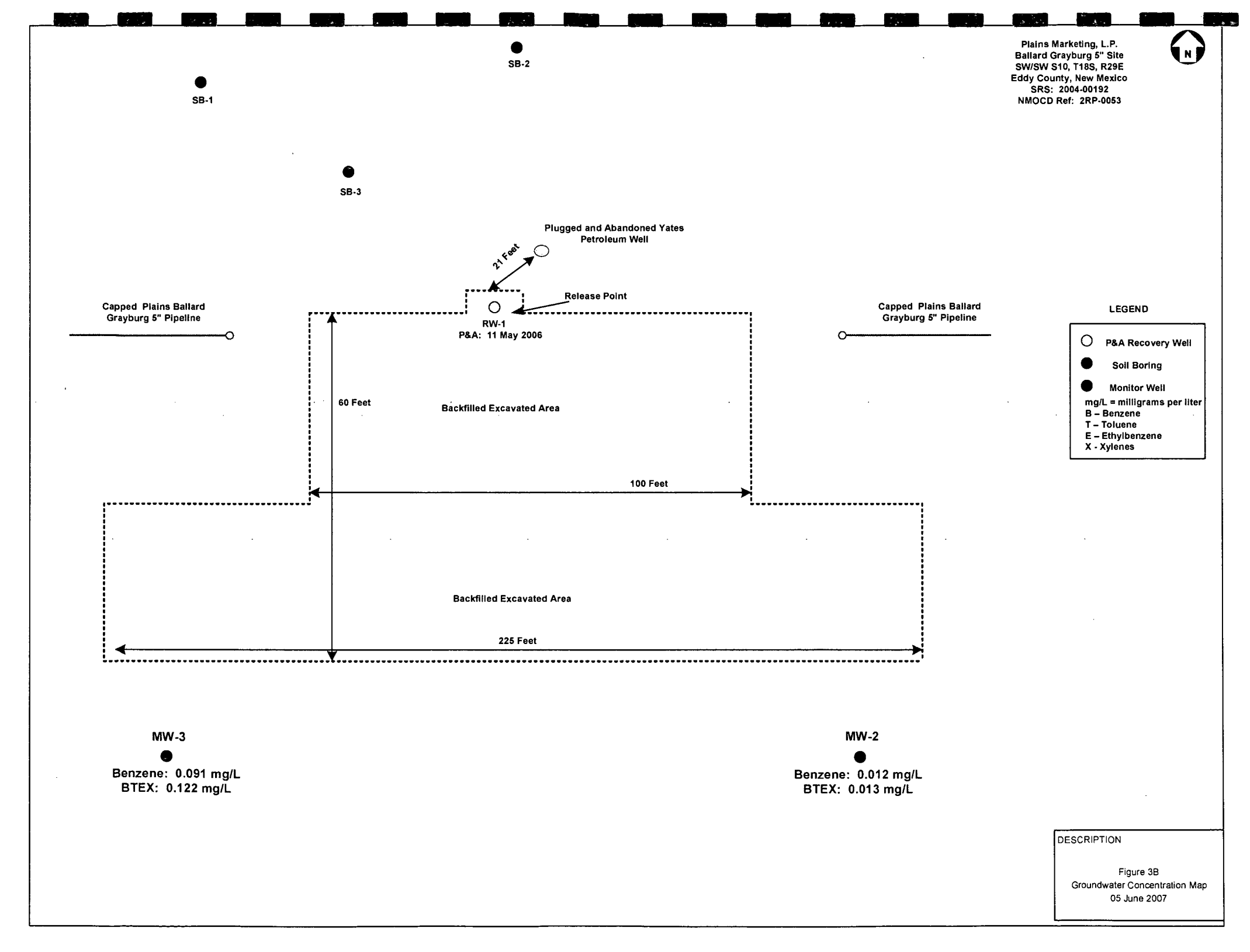
DESCRIPTION

Figure 3A
Groundwater Concentration Map
19 March 2007

FIGURE 3B

GROUNDWATER CONCENTRATION MAP – 05 JUNE 2007

Plains Marketing, L.P.
Ballard Grayburg 5" Site
SW/SW S10, T18S, R29E
Eddy County, New Mexico
SRS: 2004-00192
NMOCD Ref: 2RP-0053



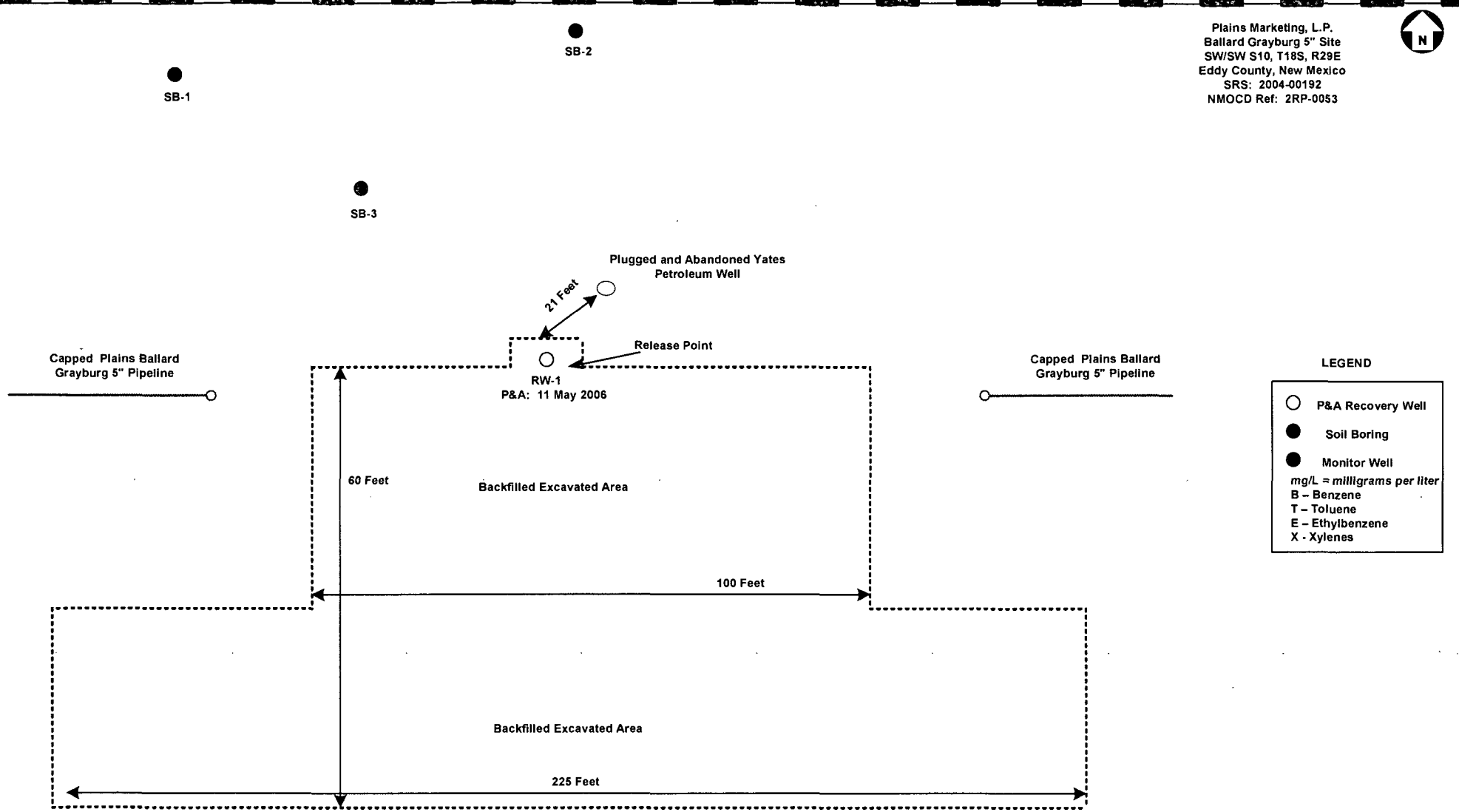
DESCRIPTION

Figure 3B
Groundwater Concentration Map
05 June 2007

FIGURE 3C

GROUNDWATER CONCENTRATION MAP – 27 SEPTEMBER 2007

Plains Marketing, L.P.
Ballard Grayburg 5" Site
SW/SW S10, T18S, R29E
Eddy County, New Mexico
SRS: 2004-00192
NMOCD Ref: 2RP-0053



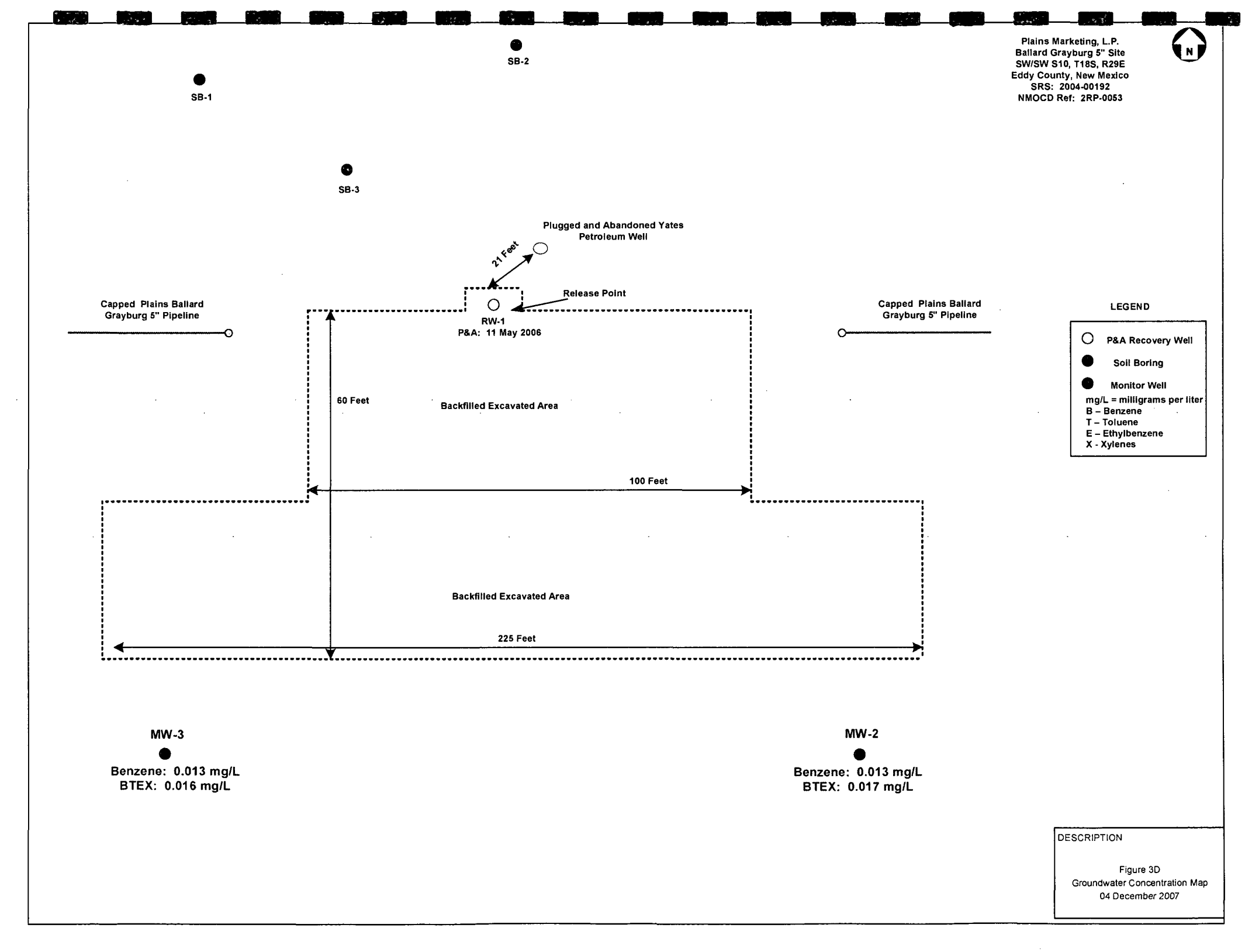
DESCRIPTION

Figure 3C
Groundwater Concentration Map
27 September 2007

FIGURE 3D

GROUNDWATER CONCENTRATION MAP – 04 DECEMBER 2007

Plains Marketing, L.P.
Ballard Grayburg 5" Site
SW/SW S10, T18S, R29E
Eddy County, New Mexico
SRS: 2004-00192
NMOCD Ref: 2RP-0053



DESCRIPTION

Figure 3D
Groundwater Concentration Map
04 December 2007

TABLES

TABLE 1

GROUNDWATER ELEVATION DATA

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
BALLARD-GRAYBURG 5"
EDDY COUNTY, NEW MEXICO
PLAINS SRS NO: 2004-00192
NMOCD REFERENCE NO: 2RP-0053

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	11/10/04	3,497.90	-	186.58	0.00	3,311.32
	03/29/05	3,497.90	-	186.58	0.00	3,311.32
	05/26/05	3,497.90	-	186.58	0.00	3,311.32
	08/11/05	3,497.90	-	186.57	0.00	3,311.33
	12/27/05	3,497.90	-	186.58	0.00	3,311.32
	03/30/06	3,497.90	-	186.57	0.00	3,311.33
	06/14/06	3,497.90	-	186.56	0.00	3,311.34
	09/20/06	3,497.90	-	186.57	0.00	3,311.33
	12/14/06	3,497.90	-	186.58	0.00	3,311.32
	03/19/07	3,497.90	-	186.58	0.00	3,311.32
	06/05/07	3,497.90	-	186.58	0.00	3,311.32
	09/27/07	3,497.90	-	186.58	0.00	3,311.32
	12/04/07	3,497.90	-	186.57	0.00	3,311.33
MW - 3	11/10/04	3,497.91	-	186.59	0.00	3,311.32
	03/29/05	3,497.91	-	186.59	0.00	3,311.32
	05/26/05	3,497.91	-	186.58	0.00	3,311.33
	08/11/05	3,497.91	-	186.58	0.00	3,311.33
	12/27/05	3,497.91	-	186.59	0.00	3,311.32
	03/30/06	3,497.91	-	186.59	0.00	3,311.32
	06/14/06	3,497.91	-	186.59	0.00	3,311.32
	09/20/06	3,497.91	-	186.58	0.00	3,311.33

TABLE 1

GROUNDWATER ELEVATION DATA (CONT)

PLAINS MARKETING, L.P.
BALLARD-GRAYBURG 5"
EDDY COUNTY, NEW MEXICO
PLAINS SRS NO. 2004-00192
NMOCD REFERENCE NO: 2RP-0053

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
	12/14/06	3,497.91	-	186.58	0.00	3,311.33
	03/19/07	3,497.91	-	186.58	0.00	3,311.33
	06/05/07	3,497.91	-	186.58	0.00	3,311.33
	09/27/07	3,497.91	-	186.58	0.00	3,311.33
	12/04/07	3,497.91	-	186.57	0.00	3,311.34
RW-1	11/10/04	3,497.94	186.56	186.60	0.04	3,311.37
	03/29/05	3,497.94	186.56	186.60	0.04	3,311.37
	05/26/05	3,497.94	186.57	186.60	0.03	3,311.37
	08/11/05	3,497.94	186.57	186.60	0.03	3,311.37
	12/27/05	3,497.94	186.56	186.58	0.02	3,311.38
	03/30/06	3,497.94	186.56	186.57	0.01	3,311.38
NOTE: RW-1 Plugged & Abandoned 11 May 2006						

TABLE 2

CONCENTRATIONS OF BENZENE AND BTEX IN GROUNDWATER

TABLE 2

CONCENTRATIONS OF BENZENE AND BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
BALLARD GRAYBURG 5"
EDDY COUNTY, NEW MEXICO
PLAINS SRS NO. 2004-00192
NMOCD REFERENCE NO: 2RP-0053

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846-8021B, 5030					Method: 160.1
		BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL-BENZENE (mg/L)	M,P-XYLENES (mg/L)	O-XYLENES (mg/L)	TDS (mg/L)
MW-2	12/04/04	<0.001	<0.001	<0.001	<0.001	<0.001	7730
	03/29/05	0.006	0.001	<0.001	<0.001	<0.001	
	05/26/05	0.002	0.001	<0.001	<0.001	<0.001	
	08/11/05	0.001	0.001	<0.001	<0.001	<0.001	
	12/27/05	0.008	0.003	<0.001	<0.001	<0.001	
	03/30/06	0.003	0.003	<0.001	<0.001	<0.001	
	06/14/06	0.005	0.001	<0.001	<0.001	<0.001	
	09/20/06	0.003	<0.001	<0.001	<0.001	<0.001	
	12/14/06	0.010	0.002	<0.001	0.001	<0.001	
	03/19/07	0.043	0.013	<0.001	<0.001	<0.001	
	06/05/07	0.012	0.001	<0.001	<0.001	<0.001	
	09/27/07	0.003	0.001	<0.001	<0.002	<0.001	
	12/04/07	0.013	0.004	<0.001	<0.002	<0.001	
MW-3	12/04/04	<0.001	<0.001	<0.001	<0.001	<0.001	8530
	03/29/05	0.054	0.004	<0.001	<0.001	<0.001	
	05/26/05	0.014	0.003	<0.001	<0.001	<0.001	
	08/11/05	0.002	<0.001	<0.001	<0.001	<0.001	
	12/27/05	0.024	0.002	<0.001	<0.001	<0.001	
	03/30/06	0.009	0.003	<0.001	<0.001	<0.001	
	06/14/06	0.005	<0.001	<0.001	<0.001	<0.001	
	09/20/06	0.004	<0.001	<0.001	<0.001	<0.001	
	12/14/06	0.011	0.003	<0.001	0.003	<0.001	
	03/19/07	<0.001	<0.001	<0.001	<0.001	<0.001	
	06/05/07	0.091	0.031	<0.001	<0.001	<0.001	
	09/27/07	0.017	0.003	<0.001	<0.002	<0.001	
	12/04/07	0.013	0.003	<0.001	<0.002	<0.001	
NMOCD CRITERIA		0.01	0.75	0.75	TOTAL XYLENES 0.62		

APPENDICES

APPENDIX A

LABORATORY REPORTS

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Ballard- Grayburg 5inch

Project Number: EMS: 2004-00192

Location: Eddy County, NM

Lab Order Number: 7C20011

Report Date: 03/28/07

Plains All American EH & S	Project: Ballard- Grayburg 5inch	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS: 2004-00192	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	7C20011-01	Water	03/19/07 14:40	03-20-2007 11:30
MW-3	7C20011-02	Water	03/19/07 10:30	03-20-2007 11:30

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Plains All American EH & S	Project: Ballard- Grayburg 5inch	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS: 2004-00192	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (7C20011-01) Water									
Benzene	**0.0434**	0.00100	mg/L	1	EC72601	03/26/07	03/27/07	EPA 8021B	
Toluene	**0.0135**	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**J [0.000575]**	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.0 %*	*80-120*		"	"	"	"	
MW-3 (7C20011-02) Water									
Benzene	**J [0.000792]**	0.00100	mg/L	1	EC72601	03/26/07	03/27/07	EPA 8021B	
Toluene	**J [0.000544]**	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.6 %*	*80-120*		"	"	"	"	

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Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Ballard- Grayburg 5inch
Project Number: EMS: 2004-00192
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC72601 - EPA 5030C (GC)										
Blank (EC72601-BLK1)				Prepared & Analyzed: 03/26/07						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*40.8*		*ug/l*	*50.0*		*81.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*40.6*		*"*	*50.0*		*81.2*	*80-120*			
LCS (EC72601-BS1)				Prepared & Analyzed: 03/26/07						
Benzene	0.0442	0.00100	mg/L	0.0500		88.4	80-120			
Toluene	0.0431	0.00100	"	0.0500		86.2	80-120			
Ethylbenzene	0.0419	0.00100	"	0.0500		83.8	80-120			
Xylene (p/m)	0.0890	0.00100	"	0.100		89.0	80-120			
Xylene (o)	0.0450	0.00100	"	0.0500		90.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	*40.5*		*ug/l*	*50.0*		*81.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*43.5*		*"*	*50.0*		*87.0*	*80-120*			
Calibration Check (EC72601-CCV1)				Prepared & Analyzed: 03/26/07						
Benzene	45.8		ug/l	50.0		91.6	80-120			
Toluene	44.4		"	50.0		88.8	80-120			
Ethylbenzene	45.9		"	50.0		91.8	80-120			
Xylene (p/m)	89.2		"	100		89.2	80-120			
Xylene (o)	45.9		"	50.0		91.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*40.8*		*"*	*50.0*		*81.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*43.9*		*"*	*50.0*		*87.8*	*80-120*			
Duplicate (EC72601-DUP1)	**Source: 7C23001-10**			Prepared & Analyzed: 03/26/07						
Benzene	ND	0.00100	mg/L		ND				20	
Toluene	0.00353	0.00100	"		0.00330			6.73	20	
Ethylbenzene	0.000521	0.00100	"		0.000349			39.5	20	R4
Xylene (p/m)	0.00502	0.00100	"		0.00430			15.5	20	
Xylene (o)	0.00123	0.00100	"		0.000981			22.5	20	R5
Surrogate: a,a,a-Trifluorotoluene	*41.0*		*ug/l*	*50.0*		*82.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*42.4*		*"*	*50.0*		*84.8*	*80-120*			

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Ballard- Grayburg 5inch
Project Number: EMS: 2004-00192
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC72601 - EPA 5030C (GC)										
Matrix Spike (EC72601-MS1)	**Source: 7C23001-10**			Prepared & Analyzed: 03/26/07						
Benzene	0.0449	0.00100	mg/L	0.0500	ND	89.8	80-120			
Toluene	0.0470	0.00100	"	0.0500	0.00330	87.4	80-120			
Ethylbenzene	0.0424	0.00100	"	0.0500	0.000349	84.1	80-120			
Xylene (p/m)	0.0924	0.00100	"	0.100	0.00430	88.1	80-120			
Xylene (o)	0.0464	0.00100	"	0.0500	0.000981	90.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*40.0*		*ug/l*	*50.0*		*80.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*44.7*		"	*50.0*		*89.4*	*80-120*			

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Ballard- Grayburg 5inch
Project Number: EMS: 2004-00192
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Notes and Definitions

R5	RPD is outside of historic values
R4	Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 3/28/2007

Brent Barron, Laboratory Director/Corp. Technical Director
Celey D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

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Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Ken Dutton PAGE 01 OF 01

Project Name: BALLARD GRAYBURG 5"

Company Name: Basin Environmental Service Technologies, LLC

Project #: 2004-00192

Company Address: P. O. Box 301

Project Loc: Eddy County, NM

City/State/Zip: Lovington, NM 88260

PO #: PAA - C. J. Reynolds

Telephone No: (505) 441-2124 Fax No: (505) 396-1429

Report Format: [X] Standard [ ] TRRP [ ] NPDES

Sampler Signature: Ken Dutton e-mail: kad@basinenv.com

(lab use only)
ORDER #: 7C20011

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Sol NP=Non-Potable Specify Oth	Analyze For: TCLP: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
-01	MW-2			19-Mar-07	1440		2	X		X						GW								X				X
-02	MW-3			19-Mar-07	1030		2	X		X						GW								X				X

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	20 MAR 07	0800	Tom Sedgwick	20 MAR 07	0800
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by: Tom Sedgwick	20 MAR 07	11:30	Received by ELOT: Clara Kelly	3/20/07	11:30

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 1.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

ent: Plains

Date/ Time: 3/20/07 11:30

b ID # : 7C20011

nitials: CK

Sample Receipt Checklist

					Client Initials
1	Temperature of container/ cooler?	Yes	No	1.0 °C	
	Shipping container in good condition?	Yes	No		
	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
	Chain of Custody present?	Yes	No		
	Sample instructions complete of Chain of Custody?	Yes	No		
7	Chain of Custody signed when relinquished/ received?	Yes	No		
8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
	Container label(s) legible and intact?	Yes	No	Not Applicable	
10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
11	Containers supplied by ELOT?	Yes	No		
12	Samples in proper container/ bottle?	Yes	No	See Below	
13	Samples properly preserved?	Yes	No	See Below	
14	Sample bottles intact?	Yes	No		
15	Preservations documented on Chain of Custody?	Yes	No		
16	Containers documented on Chain of Custody?	Yes	No		
17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
18	All samples received within sufficient hold time?	Yes	No	See Below	
19	Subcontract of sample(s)?	Yes	No	Not Applicable	
20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

ontact: _____ Contacted by: _____ Date/ Time: _____

garding: _____

rrective Action Taken:

_____

_____

_____

eck all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Ballard- Grayburg 5inch

Project Number: EMS: 2004-00192

Location: Eddy County, NM

Lab Order Number: 7F06011

Report Date: 06/11/07

Plains All American EH & S	Project: Ballard- Grayburg 5inch	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS: 2004-00192	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	7F06011-01	Water	06/05/07 15:00	06-06-2007 12:21
MW-3	7F06011-02	Water	06/05/07 15:30	06-06-2007 12:21

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Plains All American EH & S	Project: Ballard- Grayburg 5inch	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS: 2004-00192	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (7F06011-01) Water									
Benzene	**0.0123**	0.00100	mg/L	1	EF70802	06/08/07	06/09/07	EPA 8021B	
Toluene	**0.00161**	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.4 %*	*80-120*		"	"	"	"	
MW-3 (7F06011-02) Water									
Benzene	**0.0912**	0.00100	mg/L	1	EF70802	06/08/07	06/09/07	EPA 8021B	
Toluene	**0.0313**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**J [0.000505]**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**J [0.000978]**	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*117 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.4 %*	*80-120*		"	"	"	"	

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Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Ballard- Grayburg 5inch
Project Number: EMS: 2004-00192
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF70802 - EPA 5030C (GC)										
Blank (EF70802-BLK1)				Prepared & Analyzed: 06/08/07						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*54.1*		*ug/l*	*50.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*45.4*		*"*	*50.0*		*90.8*	*80-120*			
LCS (EF70802-BS1)				Prepared & Analyzed: 06/08/07						
Benzene	0.0548	0.00100	mg/L	0.0500		110	80-120			
Toluene	0.0556	0.00100	"	0.0500		111	80-120			
Ethylbenzene	0.0543	0.00100	"	0.0500		109	80-120			
Xylene (p/m)	0.101	0.00100	"	0.100		101	80-120			
Xylene (o)	0.0569	0.00100	"	0.0500		114	80-120			
Surrogate: a,a,a-Trifluorotoluene	*54.6*		*ug/l*	*50.0*		*109*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*51.7*		*"*	*50.0*		*103*	*80-120*			
Calibration Check (EF70802-CCV1)				Prepared: 06/08/07 Analyzed: 06/09/07						
Benzene	0.0576		mg/L	0.0500		115	80-120			
Toluene	0.0567		"	0.0500		113	80-120			
Ethylbenzene	0.0537		"	0.0500		107	80-120			
Xylene (p/m)	0.0999		"	0.100		99.9	80-120			
Xylene (o)	0.0573		"	0.0500		115	80-120			
Surrogate: a,a,a-Trifluorotoluene	*57.9*		*ug/l*	*50.0*		*116*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*53.0*		*"*	*50.0*		*106*	*80-120*			
Matrix Spike (EF70802-MS1)	**Source: 7F06019-03**			Prepared: 06/08/07 Analyzed: 06/09/07						
Benzene	0.0598	0.00100	mg/L	0.0500	ND	120	80-120			
Toluene	0.0593	0.00100	"	0.0500	ND	119	80-120			
Ethylbenzene	0.0584	0.00100	"	0.0500	ND	117	80-120			
Xylene (p/m)	0.107	0.00100	"	0.100	ND	107	80-120			
Xylene (o)	0.0614	0.00100	"	0.0500	ND	123	80-120			M1
Surrogate: a,a,a-Trifluorotoluene	*58.4*		*ug/l*	*50.0*		*117*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*56.2*		*"*	*50.0*		*112*	*80-120*			

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Ballard- Grayburg 5inch
Project Number: EMS: 2004-00192
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF70802 - EPA 5030C (GC)										
Matrix Spike Dup (EF70802-MSD1)	**Source: 7F06019-03**			Prepared: 06/08/07 Analyzed: 06/09/07						
Benzene	0.0565	0.00100	mg/L	0.0500	ND	113	80-120	6.01	20	
Toluene	0.0566	0.00100	"	0.0500	ND	113	80-120	5.17	20	
Ethylbenzene	0.0556	0.00100	"	0.0500	ND	111	80-120	5.26	20	
Xylene (p/m)	0.102	0.00100	"	0.100	ND	102	80-120	4.78	20	
Xylene (o)	0.0584	0.00100	"	0.0500	ND	117	80-120	5.00	20	
Surrogate: a,a,a-Trifluorotoluene	*58.3*		*ug/l*	*50.0*		*117*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*54.2*		*"*	*50.0*		*108*	*80-120*			

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Ballard- Grayburg 5inch
Project Number: EMS: 2004-00192
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Notes and Definitions

M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 6/11/2007

Brent Barron, Laboratory Director/Corp. Technical Director
Celey D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Ken Dutton PAGE 01 OF 01

Project Name: BALLARD GRAYBURG 5"

Company Name: Basin Environmental Service Technologies, LLC

Project #: 2004-00192

Company Address: P. O. Box 301

Project Loc: Eddy County, NM

City/State/Zip: Lovington, NM 88260

PO #: PAA - C. J. Reynolds

Telephone No: (505) 441-2124 Fax No: (505) 396-1429

Report Format: [X] Standard [ ] TRRP [ ] NPDES

Sampler Signature: Tom Sedgwick e-mail: kdutton@basinenv.com

(lab use only)

ORDER #: 7F06011

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl Vials (x2)	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW = Drinking Water SL = Sludge	GW = Groundwater S = Soil/Soil	NP = Non-Potable Specify Oth	Analyze For: TCLP: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.				RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	MW-2			5-Jun-07	1500		2	X		X						GW											X							X
02	MW-3			5-Jun-07	1530		2	X		X						GW											X							X

Special Instructions:

Laboratory Comments:

Sample Containers Intact? Y N

VOCs Free of Headspace? Y N

Labels on container(s) Y N

Custody seals on container(s) Y N

Custody seals on cooler(s) Y N

Sample Hand Delivered by Sampler/Client Rep. ? Y N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 4.5 °C

Relinquished by:	Date	Time	Received by:	Date	Time
Tom Sedgwick	06 JUN 07	1221			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Andrea Lam	6-6-07	12:21

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Plains

Date/ Time: 6·6·07 12:21

Lab ID #: 7F06011

Initials: AL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	4.5 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	(Not Present)	
#4	Custody Seals intact on sample bottles/ container?	(Yes)	No	Not Present	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Analytical Report 290462

for

PLAINS ALL AMERICAN EH&S

Project Manager: Camille Reynolds

Ballard Grayburg 5"

2004-00192

03-OCT-07

12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

ENVIRONMENTAL LAB OF

03-OCT-07

Project Manager: **Camille Reynolds**
PLAINS ALL AMERICAN EH&S
1301 S. COUNTY ROAD 1150
Midland, TX 79706

Reference: XENCO Report No: **290462**
Ballard Grayburg 5"
Project Address: Eddy County, NM

Camille Reynolds:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 290462. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 290462 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron

Odessa Laboratory Director

Sample Cross Reference 290462

PLAINS ALL AMERICAN EH&S, Midland, TX

Ballard Grayburg 5"

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-2	W	Sep-27-07 11:15		290462-001
MW-3	W	Sep-27-07 14:30		290462-002

Certificate of Analysis Summary 290462

PLAINS ALL AMERICAN EH&S, Midland, TX

Project Name: Ballard Grayburg 5"

Project Id: 2004-00192
Contact: Camille Reynolds
Project Location: Eddy County, NM

Date Received in Lab: Fri Sep-28-07 01:45 pm
Report Date: 03-OCT-07
Project Manager: Brent Barron, II

Analysis Requested	*Lab Id:*	290462-001		290462-002					
	Field Id:	MW-2		MW-3					
	Depth:								
	Matrix:	WATER		WATER					
	Sampled:	Sep-27-07 11:15		Sep-27-07 14:30					
BTEX by EPA 8021B	*Extracted:*	Oct-02-07 16:30		Oct-02-07 16:30					
	Analyzed:	Oct-03-07 03:15		Oct-03-07 03:31					
	Units/RL:	mg/L	RL	mg/L	RL				
Benzene		0.0037	0.0010	0.0174	0.0010				
Toluene		0.0017	0.0010	0.0038	0.0010				
Ethylbenzene		ND	0.0010	ND	0.0010				
m,p-Xylene		ND	0.0020	ND	0.0020				
o-Xylene		ND	0.0010	ND	0.0010				
Total Xylenes		ND		ND					
Total BTEX		0.0054		0.0212					

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

Form 2 - Surrogate Recoveries

Project Name: Ballard Grayburg 5"

Work Order #: 290462 **Project ID:** 2004-00192

Lab Batch #: 705593 **Sample:** 290462-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0321	0.0300	107	80-120	
4-Bromofluorobenzene	0.0259	0.0300	86	80-120	

Lab Batch #: 705593 **Sample:** 290462-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0327	0.0300	109	80-120	
4-Bromofluorobenzene	0.0270	0.0300	90	80-120	

Lab Batch #: 705593 **Sample:** 290566-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0305	0.0300	102	80-120	
4-Bromofluorobenzene	0.0262	0.0300	87	80-120	

Lab Batch #: 705593 **Sample:** 290566-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0305	0.0300	102	80-120	
4-Bromofluorobenzene	0.0262	0.0300	87	80-120	

Lab Batch #: 705593 **Sample:** 500023-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0295	0.0300	98	80-120	
4-Bromofluorobenzene	0.0271	0.0300	90	80-120	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Ballard Grayburg 5"

Work Order #: 290462 **Project ID:** 2004-00192

Lab Batch #: 705593 **Sample:** 500023-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0316	0.0300	105	80-120	
4-Bromofluorobenzene	0.0260	0.0300	87	80-120	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: Ballard Grayburg 5"

Work Order #: 290462 **Project ID:** 2004-00192

Lab Batch #: 705593 **Sample:** 500023-1-BKS **Matrix:** Water

Date Analyzed: 10/03/2007 **Date Prepared:** 10/02/2007 **Analyst:** SHE

Reporting Units: mg/L **Batch #:** 1

BTEX by EPA 8021B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
		BLANK /BLANK SPIKE RECOVERY STUDY				
Benzene	ND	0.1000	0.0958	96	70-125	
Toluene	ND	0.1000	0.0937	94	70-125	
Ethylbenzene	ND	0.1000	0.0915	92	71-129	
m,p-Xylene	ND	0.2000	0.1830	92	70-131	
o-Xylene	ND	0.1000	0.0913	91	71-133	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

ENVIRONMENTAL LAB OF

Form 3 - MS / MSD Recoveries

Project Name: Ballard Grayburg 5"

Work Order # : 290462 **Project ID:** 2004-00192

Lab Batch ID: 705593 **QC- Sample ID:** 290566-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 10/03/2007 **Date Prepared:** 10/02/2007 **Analyst:** SHE

Reporting Units: mg/L

BTEX by EPA 8021B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1000	0.0940	94	0.1000	0.0935	94	0	70-125	25	
Toluene	ND	0.1000	0.0894	89	0.1000	0.0883	88	1	70-125	25	
Ethylbenzene	ND	0.1000	0.0897	90	0.1000	0.0849	85	6	71-129	25	
m,p-Xylene	ND	0.2000	0.1761	88	0.2000	0.1650	83	6	70-131	25	
o-Xylene	ND	0.1000	0.0854	85	0.1000	0.0836	84	1	71-133	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Ken Dutton PAGE 01 OF 01
Company Name: Basin Environmental Service Technologies, LLC
Company Address: P. O. Box 301
City/State/Zip: Lovington, NM 88260
Telephone No: (505) 441-2124 Fax No: (505) 396-1429
Sampler Signature: Ken Dutton e-mail: kdutton@basinenv.com

Project Name: BALLARD GRAYBURG 5"
Project #: 2004-00192
Project Loc: Eddy County, NM
PO #: PAA - C. J. Reynolds
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 290462

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix (DW - Drinking Water SL - Sludge; GW - Groundwater S - Soil/Sol; NP - Non-Potable Specify Oth)	TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260 (TOTAL: X)	RCI	N.O.R.M.			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	MW-2			27-Sep-07	1115		2	X		X						GW									X						X
02	MW-3			27-Sep-07	1430		2	X		X						GW									X						X

Special Instructions:

Relinquished by	Date	Time	Received by	Date	Time
Ken Dutton	28SEP07	9:30	Linda Blackwood	Sept 28 07	9:30
Linda Blackwood	Sept 28 07	1:45	Received by ELOT: Andrea Lam	9-28-07	1:45

Laboratory Comments:
Sample Containers Intact? (Y) N
VOCs Free of Headspace? (Y) N
Labels on container(s) (Y) N
Custody seals on container(s) (Y) N
Custody seals on cooler(s) (Y) N
Sample Hand Delivered (Y) N
by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 2.5 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Basin / Plains

Date/ Time: 9.28.07 1:45

Lab ID #: 290462

Initials: AL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	2.5 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	(Yes)	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	(Yes)	No	Not Present	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	Yes	(No)	~~Not Applicable~~	
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Analytical Report 293992

for

PLAINS ALL AMERICAN EH&S

Project Manager: JIMMY BRYANT

Ballard Grayburg 5"

2004-00192

06-DEC-07

12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

ENVIRONMENTAL LAB OF

06-DEC-07

Project Manager: **JIMMY BRYANT**
PLAINS ALL AMERICAN EH&S
1301 S. COUNTY ROAD 1150
Midland, TX 79706

Reference: XENCO Report No: **293992**
Ballard Grayburg 5"
Project Address: Eddy County, NM

JIMMY BRYANT:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 293992. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 293992 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 293992

PLAINS ALL AMERICAN EH&S, Midland, TX

Ballard Grayburg 5"

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-2	W	Dec-04-07 11:55		293992-001
MW-3	W	Dec-04-07 10:50		293992-002

Certificate of Analysis Summary 293992

PLAINS ALL AMERICAN EH&S, Midland, TX

Project Name: Ballard Grayburg 5"

Project Id: 2004-00192
Contact: JIMMY BRYANT
Project Location: Eddy County, NM

Date Received in Lab: Wed Dec-05-07 08:40 am
Report Date: 06-DEC-07
Project Manager: Brent Barron, II

Analysis Requested	*Lab Id:*	293992-001		293992-002					
	Field Id:	MW-2		MW-3					
	Depth:								
	Matrix:	WATER		WATER					
	Sampled:	Dec-04-07 11:55		Dec-04-07 10:50					
BTEX by EPA 8021B	*Extracted:*	Dec-05-07 11:30		Dec-05-07 11:30					
	Analyzed:	Dec-06-07 01:15		Dec-06-07 01:32					
	Units/RL:	mg/L	RL	mg/L	RL				
Benzene		0.0139	0.0010	0.0138	0.0010				
Toluene		0.0049	0.0020	0.0033	0.0020				
Ethylbenzene		ND	0.0010	ND	0.0010				
m,p-Xylenes		ND	0.0020	ND	0.0020				
o-Xylene		ND	0.0010	ND	0.0010				
Xylenes, Total		ND		ND					
Total BTEX		0.0188		0.0171					

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

Form 2 - Surrogate Recoveries

Project Name: Ballard Grayburg 5"

Work Order #: 293992 **Project ID:** 2004-00192

Lab Batch #: 709872 **Sample:** 293992-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0316	0.0300	105	80-120	
4-Bromofluorobenzene	0.0257	0.0300	86	80-120	

Lab Batch #: 709872 **Sample:** 293992-002 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0314	0.0300	105	80-120	
4-Bromofluorobenzene	0.0268	0.0300	89	80-120	

Lab Batch #: 709872 **Sample:** 502211-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0289	0.0300	96	80-120	
4-Bromofluorobenzene	0.0279	0.0300	93	80-120	

Lab Batch #: 709872 **Sample:** 502211-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0317	0.0300	106	80-120	
4-Bromofluorobenzene	0.0261	0.0300	87	80-120	

Lab Batch #: 709872 **Sample:** 502211-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY				
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0293	0.0300	98	80-120	
4-Bromofluorobenzene	0.0275	0.0300	92	80-120	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

ENVIRONMENTAL LAB OF

BS / BSD Recoveries

Project Name: Ballard Grayburg 5"

Work Order #: 293992 **Project ID:** 2004-00192

Analyst: SHE **Date Prepared:** 12/05/2007 **Date Analyzed:** 12/05/2007

Lab Batch ID: 709872 **Sample:** 502211-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1000	0.0970	97	0.1	0.0936	94	4	70-125	25	
Toluene	ND	0.1000	0.0953	95	0.1	0.0933	93	2	70-125	25	
Ethylbenzene	ND	0.1000	0.0955	96	0.1	0.0934	93	2	71-129	25	
m,p-Xylenes	ND	0.2000	0.1863	93	0.2	0.1821	91	2	70-131	25	
o-Xylene	ND	0.1000	0.0956	96	0.1	0.0935	94	2	71-133	25	

Relative Percent Difference RPD = 200*|(D-F)/(D+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Ken Dutton   PAGE 01 OF 01

Company Name: Basin Environmental Service Technologies, LLC

Company Address: P. O. Box 301

City/State/Zip: Lovington, NM 88260

Telephone No: (505) 441-2124

Sampler Signature: [signature]

Fax No: (505) 396-1429

e-mail: kdutton@basinenv.com

Project Name: BALLARD GRAYBURG 5"

Project #: 2004-00192

Project Loc: Eddy County, NM

PO #: PAA - C. J. Reynolds

Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 293992

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260 (TOTAL: X)	RCI	N.O.R.M.				RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
001	MW-2			04-Dec-07	1155		2	X		X						GW									X							X
002	MW-3			04-Dec-07	1050		2	X		X						GW									X							X

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	05Dec07	0840			
[illegible]					
			Received by ELOT: [signature]	12/05/07	8:40

Laboratory Comments: 4 - VOA [illegible]
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered Y N
by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 5.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Basin Environ. / Plains

Date/ Time: 12/05/07 08:40

Lab ID # : 293992

Initials: gmt

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	5.0 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	(Yes)	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	(Yes)	No	Not Present	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken:

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

APPENDIX B

RELEASE NOTIFICATION AND CORRECTIVE ACTION (C-141)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Report

Name of Company Plains Marketing, LP	Contact Camille Reynolds
Address 5805 East Hwy. 80, Midland, TX 79706	Telephone No. 505-441-0965
Facility Name Ballard Greyburg 5" #2	Facility Type 5"Steel Pipeline

Surface Owner BLM	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	10	18S	29E					Eddy

Latitude 32°45'27.1" Longitude 104°04'12.0"

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 80 barrels	Volume Recovered 0 barrels
Source of Release 5" Steel Pipeline	Date and Hour of Occurrence 9-2-04 @ 06:00	Date and Hour of Discovery 9-2-04 @ 08:45
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Van Barton	
By Whom? Ken Dutton	Date and Hour 9-2-04 @ 14:32	
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.* External corrosion of the 5" steel pipeline. A line clamp was installed to mitigate the release. The line is a 5-inch steel gathering line that produces approximately 95 barrels of crude per day. The pressure on the line varies from 50 to 70 psi and the gravity of the sour crude oil is 39. The sour crude has an H_2S content of 20 ppm

Describe Area Affected and Cleanup Action Taken.* The impacted soil was excavated and stockpiled on plastic. Aerial extent of surface impact was 10 x 6 feet, subsequent excavation of impacted soil resulted in an area of approximately 22 x 23 x 13 feet.

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: Camille Reynolds	OIL CONSERVATION DIVISION	
Printed Name: Camille Reynolds	Approved by District Supervisor:	
Title: Remediation Coordinator	Approval Date:	Expiration Date:
E-mail Address: cjreynolds@paalp.com	Conditions of Approval:	Attached ☐
Date: 9-7-04 Phone:505-441-0965		

* Attach Additional Sheets If Necessary