AP - 63

ANNUAL MONITORING REPORT

YEAR(S):
2005

Basin Environmental Service Technologies, LLC

P. O. Box 301
Lovington, New Mexico 88260
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2006 MAR 13 PM 12 07

Effective Solutions

Report is on the L-Drive

IR-456

2005
ANNUAL MONITORING REPORT

34 JUNCTION SOUTH STATION
SW ¼ SW ¼ SECTION 2, TOWNSHIP 17 SOUTH, RANGE 36 EAST
LATITUDE 32°, 51', 42.4" NORTH, LONGITUDE 103°, 19', 54.4" WEST
LEA COUNTY, NEW MEXICO
PLAINS EMS NUMBER: 2005-00138

PREPARED FOR:

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

PREPARED BY:

BASIN ENVIRONMENTAL SERVICE TECHNOLGIES, LLC
P. O. Box 301
Lovington, New Mexico 88260

March 2006

Ken Dutton
Project Manager

PLAINS
ALL AMERICAN

2006 MAR 13 PM 12 07

March 8, 2006

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

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

Dear Mr. Martin:

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

34 Junction South	Section 2, Township 17 South, Range 36 East, Lea County
Saunders 8" #4	Section 35, Township 13 South, Range 33 East, Lea County

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

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

Sincerely,

Camille Reynolds

Camille Reynolds
Remediation Coordinator
Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosures

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 initial quarterly groundwater monitoring event conducted in calendar year 2005. 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.

Initial groundwater monitoring was conducted during the fourth (4^{th}) quarter in 2005 to assess the levels and extent of dissolved phase constituents and presence of phase-separated hydrocarbons (PSH). The groundwater monitoring event consisted of measuring static water levels in the monitoring wells, checking for the presence of 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 2, Township 17 South, Range 36 East. The site latitude is 32°, 51', 42.4" North and the site longitude is 103°, 19', 54.4" West. On 10 June 2005, Basin responded to the pipeline release on behalf of Plains to repair the pipeline and excavate the impacted soil. Approximately 15 barrels of crude oil were released from the Plains Pipeline and 5 barrels were recovered. The site is characterized by an operational secondary metering station for two (2) six (6) inch pipelines which transfers crude oil into an eight (8) inch north/south main pipeline, in a pasture utilized for cattle grazing. The visible surface stained area includes the release point covering an area approximately 20 feet long by 20 feet wide. Excavation activities during the emergency response covered an area located inside the fenced station approximately 20 feet long by 20 feet wide and 4 feet below ground surface (bgs). All excavated soil was placed on a poly-liner for future remedial action.

On 19 September 2005, a soil boring was installed adjacent to the release point inside the metering station, to delineate the vertical extent of crude oil impact. Field screening and visual observations during installation of the soil boring indicated PSH had impacted groundwater and a recovery well (RW-1) was completed. Notification of appropriate regulatory agencies was accomplished on 19 September 2005. On 17 and 18 October 2005, five (5) groundwater monitoring wells were installed (up gradient, cross gradient and down gradient) to evaluate the quality of groundwater. Monitoring well MW-3, installed down gradient and adjacent to the release point, has measurable PSH on the groundwater. A 1,000-gallon poly tank was placed on-site to temporarily store the recovered PSH.

Currently, there are five (5) groundwater monitoring wells (MW-1through MW-5) and one (1) product recovery well (RW-1) on site (Figure 2). Product recovery is being conducted three (3)

times weekly utilizing a mechanical pump to efficiently and effectively recover a maximum amount of product at monitoring well MW-3 and recovery well RW-1.

FIELD ACTIVITIES

The site monitoring wells were gauged and sampled on 25 October 2005. During the initial sampling event, 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 bailers. Water samples were stored in clean, glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in polystyrene fifty-five gallon drums which remain temporarily stored on-site.

Locations of the monitoring wells, recovery well and the inferred groundwater elevations, which were constructed from the measurements collected during the initial 4th quarter monitoring event, are depicted on Figure 3. The groundwater elevation data are provided as Table 1.

The Groundwater Gradient Map, Figure 3, indicates a general gradient of approximately 0.006 ft/ft. to the north-northeast as measured between groundwater monitoring well MW-2 and MW-5. The corrected groundwater elevation ranged between 3792.35 and 3791.08 feet, in MW-2 and MW-5, 25 October 2005, respectively.

A measurable thickness of PSH was detected in RW-1and MW-3 during the reporting period; refer to Figure 4, Groundwater Concentration and Inferred PSH Extent Map. A maximum thickness of 9.54 feet in RW-1and 6.42 feet in MW-3 was measured 25 October 2005 and is shown on Figure 4 and Table 1. Approximately 59 gallons of PSH were recovered from the site during the reporting period, with 467 gallons of PSH having been recovered from the since project inception. Recovered PSH is temporarily stored in a 1,000-gallon poly tank on site and will be reintroduced into the Plains transportation system at the 34 Junction Metering Station.

LABORATORY RESULTS

Groundwater samples were collected from the monitor wells MW-1, MW-2, MW-4 and MW-5 during the initial fourth quarter monitoring event 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 listing of BTEX constituent concentrations for 2005 is summarized in Table 2 and the laboratory reports are provided as Appendix A. Recovery well, RW-1 and monitoring well, MW-3, were not sampled due to the presence of PSH.

Laboratory results for the four (4) site groundwater samples, obtained during the 2005 annual period, indicate that benzene and total BTEX constituent concentrations were not detected above laboratory method detection limits for monitoring wells MW1, MW-2, MW-4 and MW-5. Installation of the five (5) monitoring wells indicates the crude oil plume has been delineated to the north, east and west of the release point. Additional monitoring wells will be installed in the 1st quarter of 2006 to further delineate the crude oil plume to the south down gradient quadrant.

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 monitoring activities for the 2005 annual monitoring period. Currently, there are five (5) groundwater monitoring wells (MW-1through MW-5) and one (1) recovery well (RW-1) on-site. The initial groundwater sampling event on 25 October 2005, indicates a general gradient of approximately 0.006 ft/ft to the north-northeast, as indicated on the Groundwater Gradient Map, Figure 3.

Mechanical product recovery occurs three times a week from monitoring well MW-3 and recovery well RW-1. Approximately 59 gallons of PSH were recovered from the site during this reporting period by manual and mechanical methods. A total of 467 gallons of PSH has been recovered since project inception.

Review of the laboratory results for the four (4) site groundwater samples, obtained during the 2005 annual period, indicate that benzene and total BTEX constituent concentrations were not detected above laboratory method detection limits for monitoring wells MW1, MW-2, MW-4 and MW-5.

ANTICIPATED ACTIONS

Groundwater monitoring and annual reporting will continue in 2006. Additional monitoring wells will be installed to delineate the horizontal PSH impact to the groundwater in the 1st quarter of 2006. Aggressive product recovery will continue on site until a noticeable reduction has occurred. A Remediation Work Plan will be prepared and submitted once vertical and horizontal delineation of the PSH impact to groundwater has been accomplished.

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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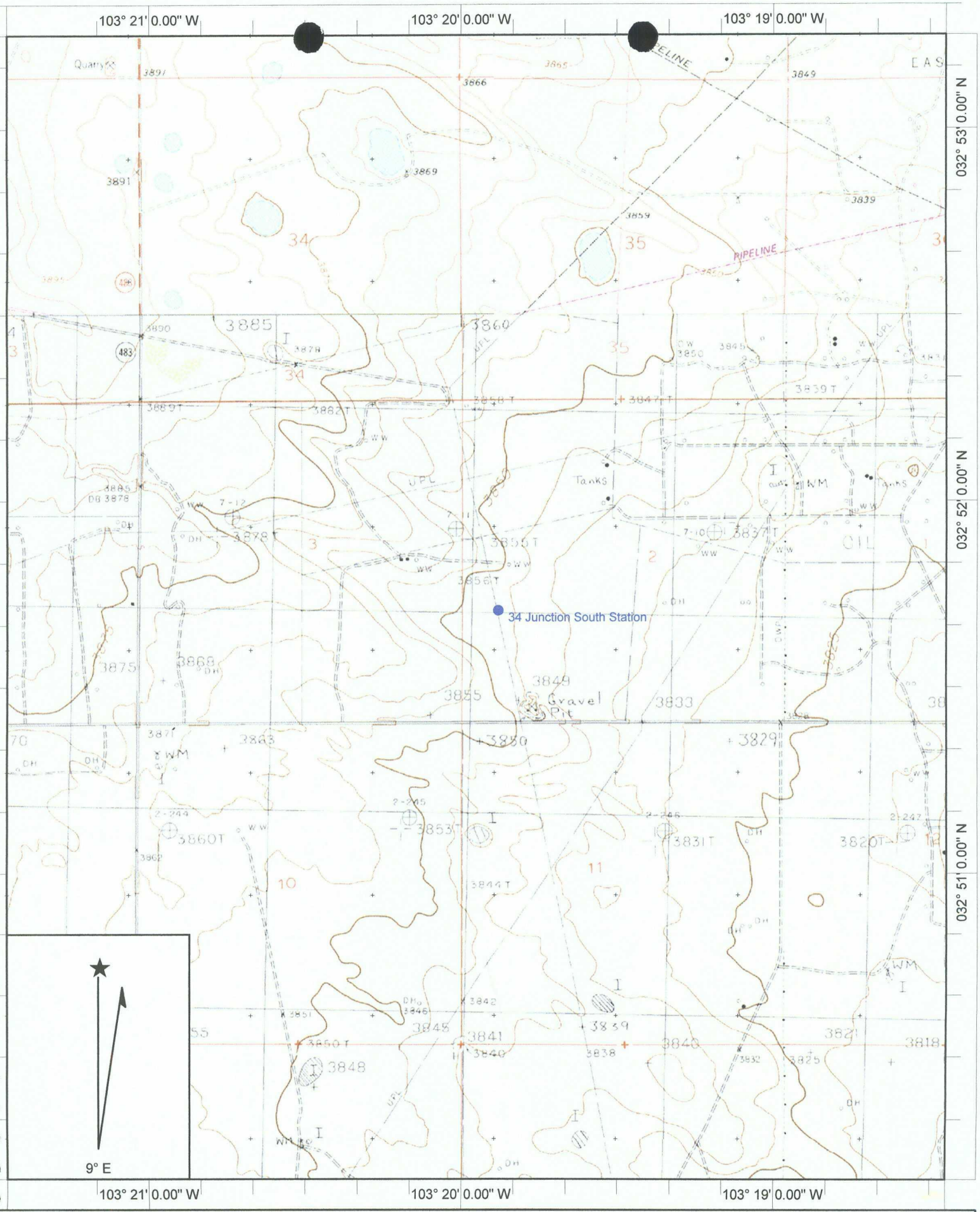
Copy Number: 1

FIGURES

FIGURE 1

SITE LOCATION MAP



Name: LOVINGTON SE
Date: 3/3/2006
Scale: 1 inch equals 2000 feet

Location: 032° 51' 42.69" N 103° 19' 57.16" W
Caption: Figure 1, Plains Marketing, L.P.
34 Junction South Station
EMS: 2005-00138

FIGURE 2

SITE MAP

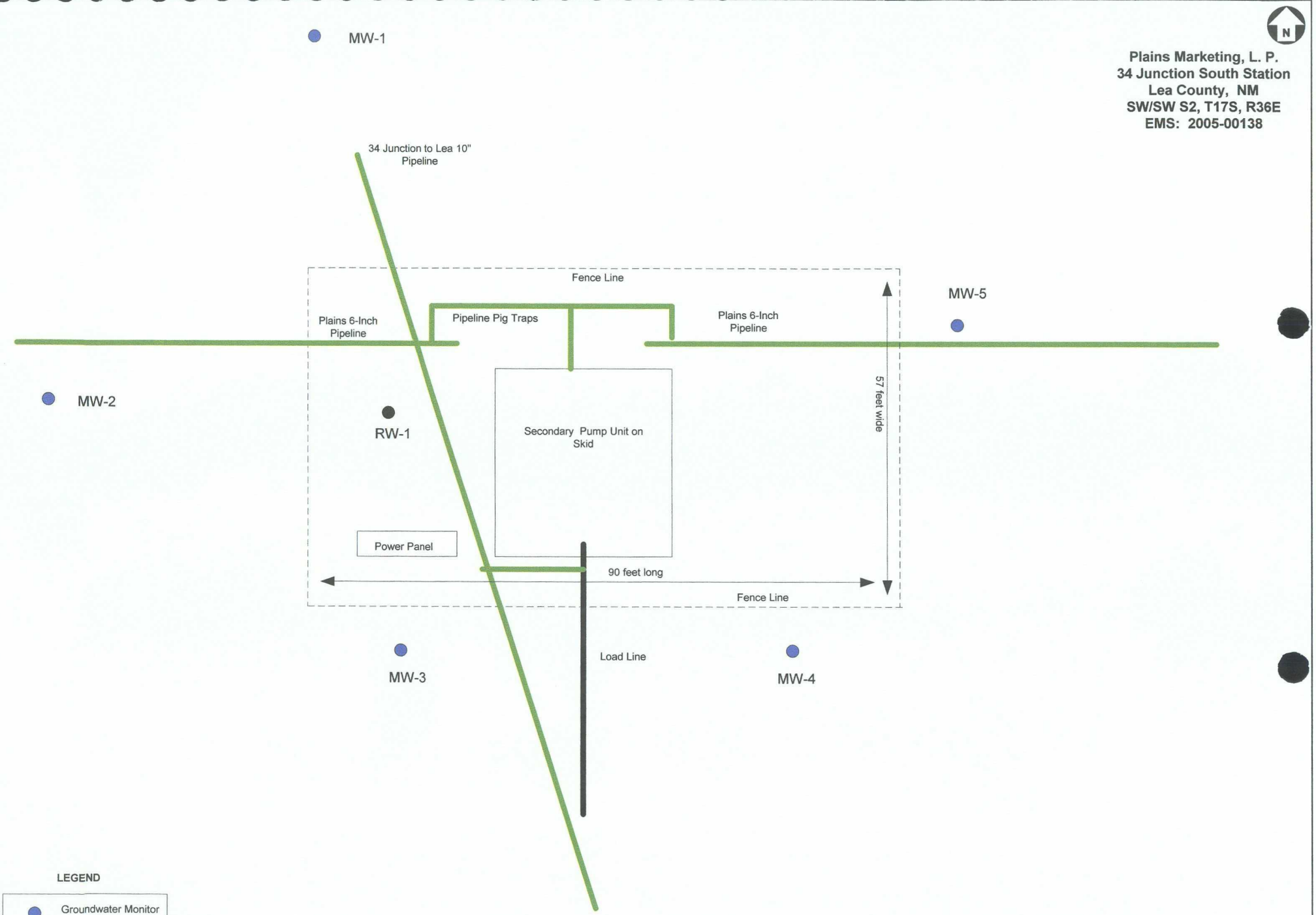

MW-1
Plains Marketing, L. P.
34 Junction South Station
Lea County, NM
SW/SW S2, T17S, R36E
EMS: 2005-00138
34 Junction to Lea 10" Pipeline
Fence Line
MW-5
Plains 6-Inch Pipeline
Pipeline Pig Traps
Plains 6-Inch Pipeline
MW-2
RW-1
Secondary Pump Unit on Skid
57 feet wide
Power Panel
90 feet long
Fence Line
Load Line
MW-3
MW-4
LEGEND
Groundwater Monitor Well Location
TITLE
Figure 2
Site Map
DRAWN BY
Basin Environmental Svc.
kad

FIGURE 3

INFERRED GROUNDWATER GRADIENT MAP

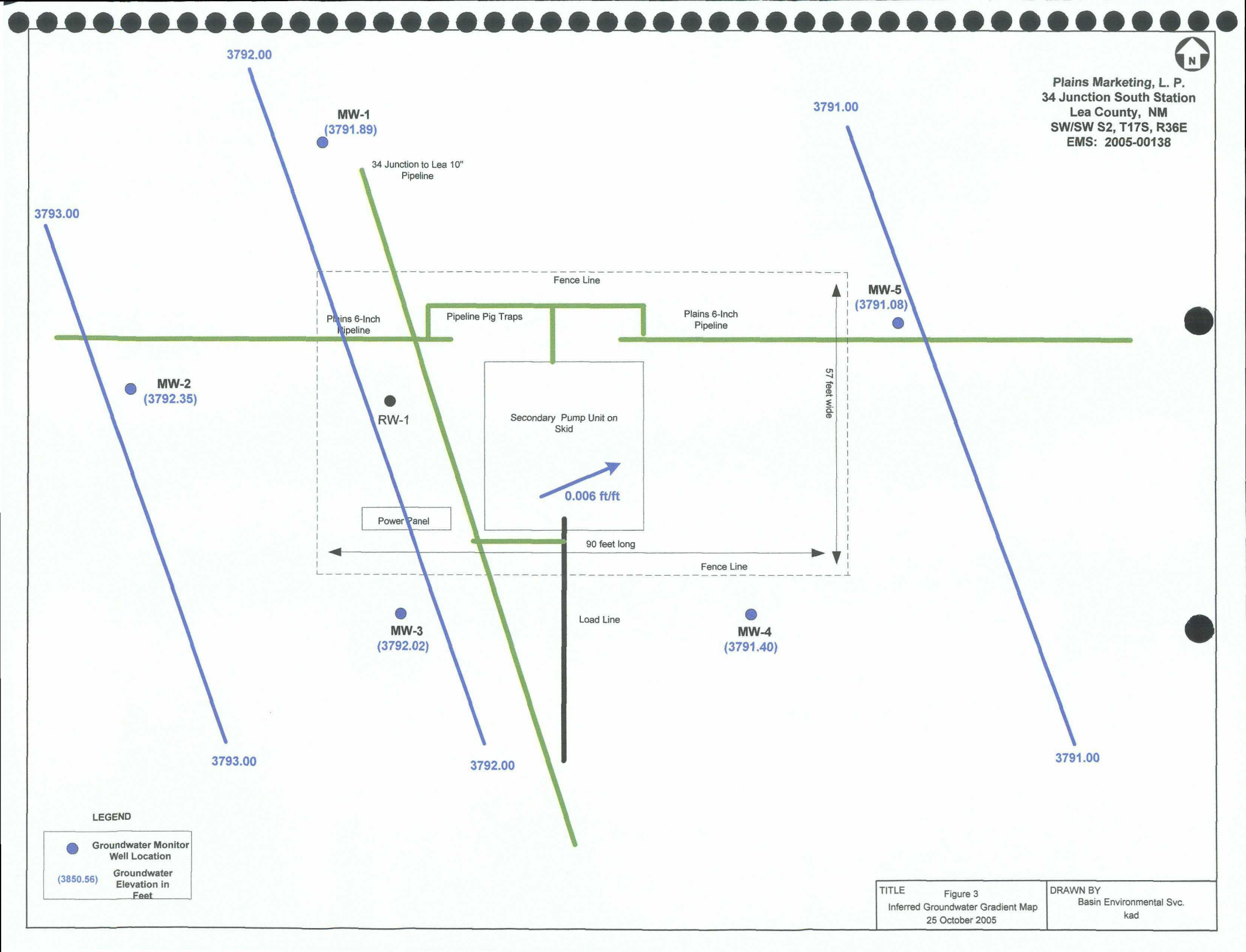
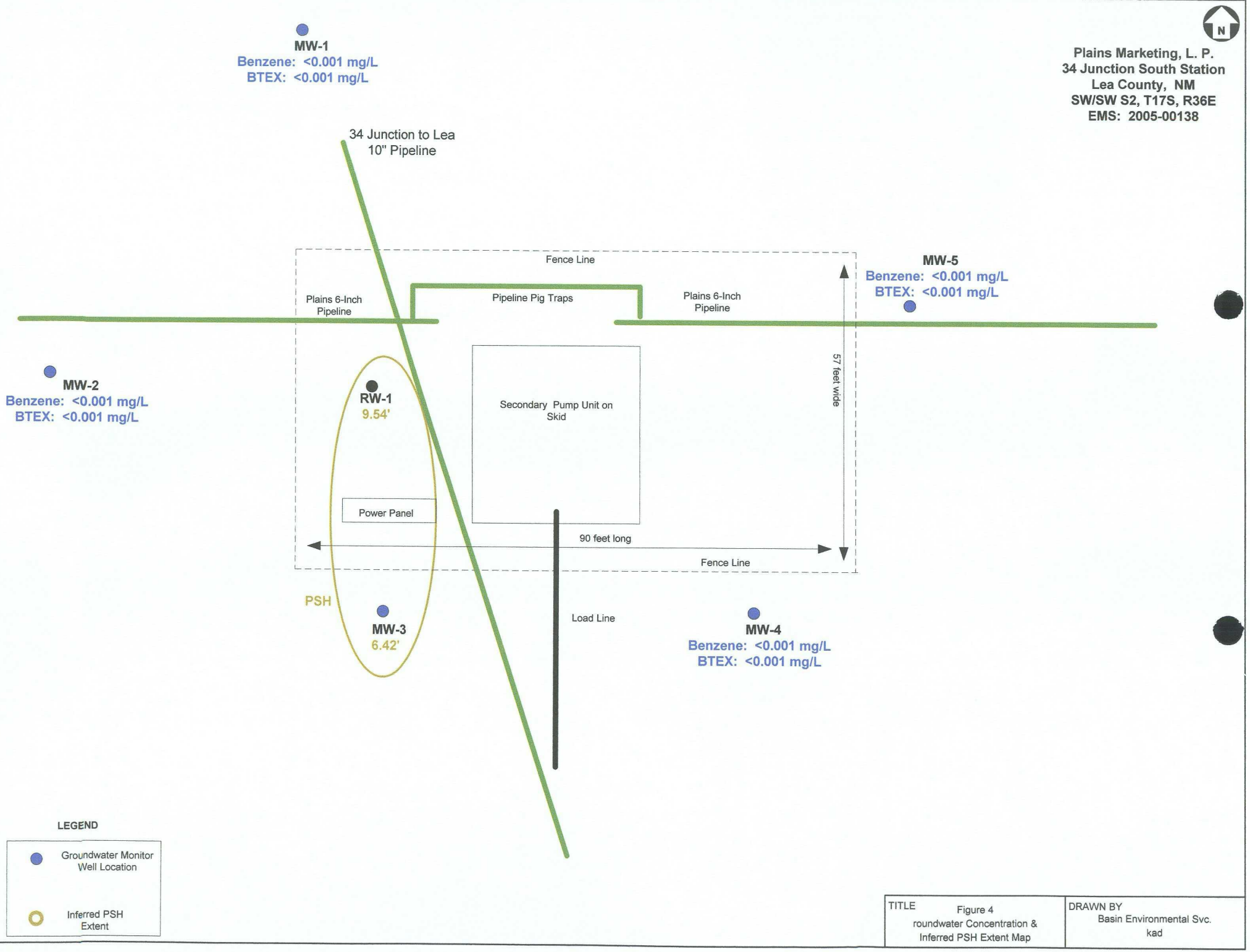

Plains Marketing, L. P.
34 Junction South Station
Lea County, NM
SW/SW S2, T17S, R36E
EMS: 2005-00138
3792.00
MW-1
(3791.89)
34 Junction to Lea 10" Pipeline
3791.00
3793.00
Fence Line
MW-5
(3791.08)
Plains 6-Inch Pipeline
Pipeline Pig Traps
Plains 6-Inch Pipeline
MW-2
(3792.35)
RW-1
Secondary Pump Unit on Skid
57 feet wide
0.006 ft/ft
Power Panel
90 feet long
Fence Line
Load Line
MW-3
(3792.02)
MW-4
(3791.40)
3793.00
3792.00
3791.00
LEGEND
Groundwater Monitor Well Location
(3850.56) Groundwater Elevation in Feet
TITLE
Figure 3
Inferred Groundwater Gradient Map
25 October 2005
DRAWN BY
Basin Environmental Svc.
kad

FIGURE 4

GROUNDWATER CONCENTRATION AND INFERRED PSH EXTENT MAP


MW-1
Benzene: <0.001 mg/L
BTEX: <0.001 mg/L
Plains Marketing, L. P.
34 Junction South Station
Lea County, NM
SW/SW S2, T17S, R36E
EMS: 2005-00138
34 Junction to Lea
10" Pipeline
Fence Line
Plains 6-Inch
Pipeline
Pipeline Pig Traps
Plains 6-Inch
Pipeline
MW-5
Benzene: <0.001 mg/L
BTEX: <0.001 mg/L
MW-2
Benzene: <0.001 mg/L
BTEX: <0.001 mg/L
RW-1
9.54'
Secondary Pump Unit on
Skid
57 feet wide
Power Panel
90 feet long
Fence Line
PSH
MW-3
6.42'
Load Line
MW-4
Benzene: <0.001 mg/L
BTEX: <0.001 mg/L
LEGEND
Groundwater Monitor
Well Location
Inferred PSH
Extent
TITLE
Figure 4
roundwater Concentration &
Inferred PSH Extent Map
DRAWN BY
Basin Environmental Svc.
kad

TABLES

TABLE 1

GROUNDWATER ELEVATION DATA (2005)

TABLE 1

GROUNDWATER ELEVATION DATA (2005)

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	10/25/05	3,850.68	-	58.79	0.00	3,791.89
MW - 2	10/25/05	3,850.67	-	58.32	0.00	3,792.35
MW - 3	10/25/05	3,850.43	57.45	63.87	6.42	3,792.02
MW - 3	11/29/05	3,850.43	57.44	63.86	6.42	3,792.03
MW - 3	12/29/05	3,850.43	57.25	65.28	8.03	3,791.98
MW - 3	01/27/06	3,850.43	57.28	64.68	7.40	3,792.04
MW - 3	02/28/06	3,850.43	57.38	64.72	7.34	3,791.95
MW - 4	10/25/05	3,850.26	-	58.86	0.00	3,791.40
MW-5	10/25/05	3,849.77	-	58.69	0.00	3,791.08
RW-1	09/28/05	N/A	57.92	66.77	8.85	-
RW-1	10/25/05	N/A	57.75	67.29	9.54	-
RW-1	11/29/05	N/A	57.96	66.79	8.83	-
RW-1	12/29/05	N/A	58.00	66.65	8.65	-
RW-1	01/27/06	N/A	58.08	66.50	8.42	-
RW-1	02/28/06	N/A	58.05	66.45	8.40	-

TABLE 2

CONCENTRATIONS OF BENZENE AND BTEX IN GROUNDWATER (2005)

TABLE 2

CONCENTRATIONS OF BENZENE AND BTEX IN GROUNDWATER (2005)

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO: 2005-00138

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846-8021B				
		BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL-BENZENE (mg/L)	M,P-XYLENES (mg/L)	O-XYLENES (mg/L)
NMOCD REGULATORY STANDARD		0.01	0.75	0.75	TOTAL XYLENES 0.62	
MW-1	10/25/05	<0.001	<0.001	<0.001	<0.001	<0.001
MW-2	10/25/05	<0.001	<0.001	<0.001	<0.001	<0.001
MW-3	10/25/05	"NOT SAMPLED DUE TO PRESENSE OF PSH"				
MW-4	10/25/05	<0.001	<0.001	<0.001	<0.001	<0.001
MW-5	10/25/05	<0.001	<0.001	<0.001	<0.001	<0.001
RW-1	10/25/05	"NOT SAMPLED DUE TO PRESENSE OF PSH"				

APPENDICES

APPENDIX A

ENVIRONMENTAL LABORATORY OF TEXAS RESULTS

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: 34 Junction South Station

Project Number: 2005-00138

Location: Lea County, NM

Lab Order Number: 5J27012

Report Date: 11/03/05

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	11/03/05 17:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	5J27012-01	Water	10/25/05 10:20	10/27/05 13:22
MW-2	5J27012-02	Water	10/25/05 11:10	10/27/05 13:22
MW-5	5J27012-03	Water	10/25/05 12:15	10/27/05 13:22
MW-4	5J27012-04	Water	10/25/05 15:00	10/27/05 13:22

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

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	11/03/05 17:00

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (5J27012-01) Water									
Benzene	ND	0.00100	mg/L	1	EJ52806	10/28/05	11/02/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		"	"	"	"	
MW-2 (5J27012-02) Water									
Benzene	ND	0.00100	mg/L	1	EJ52806	10/28/05	11/02/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		"	"	"	"	
MW-5 (5J27012-03) Water									
Benzene	ND	0.00100	mg/L	1	EJ52806	10/28/05	11/02/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*94.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		"	"	"	"	
MW-4 (5J27012-04) Water									
Benzene	ND	0.00100	mg/L	1	EJ52806	10/28/05	11/01/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.5 %*	*80-120*		"	"	"	"	

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

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	11/03/05 17:00

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 EJ52806 - EPA 5030C (GC)										
Blank (EJ52806-BLK1)				Prepared: 10/28/05 Analyzed: 11/01/05						
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	*40.1*		*ug/l*	*40.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*32.7*		*"*	*40.0*		*81.8*	*80-120*			
LCS (EJ52806-BS1)				Prepared: 10/28/05 Analyzed: 10/31/05						
Benzene	0.0476	0.00100	mg/L	0.0500		95.2	80-120			
Toluene	0.0495	0.00100	"	0.0500		99.0	80-120			
Ethylbenzene	0.0472	0.00100	"	0.0500		94.4	80-120			
Xylene (p/m)	0.0894	0.00100	"	0.100		89.4	80-120			
Xylene (o)	0.0479	0.00100	"	0.0500		95.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*32.9*		*ug/l*	*40.0*		*82.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*32.7*		*"*	*40.0*		*81.8*	*80-120*			
Calibration Check (EJ52806-CCV1)				Prepared: 10/28/05 Analyzed: 11/01/05						
Benzene	50.4		ug/l	50.0		101	80-120			
Toluene	51.8		"	50.0		104	80-120			
Ethylbenzene	49.3		"	50.0		98.6	80-120			
Xylene (p/m)	92.9		"	100		92.9	80-120			
Xylene (o)	50.0		"	50.0		100	80-120			
Surrogate: a,a,a-Trifluorotoluene	*44.8*		*"*	*40.0*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*42.3*		*"*	*40.0*		*106*	*80-120*			
Matrix Spike (EJ52806-MS1)	**Source: 5J27012-03**			Prepared: 10/28/05 Analyzed: 11/01/05						
Benzene	0.0496	0.00100	mg/L	0.0500	ND	99.2	80-120			
Toluene	0.0505	0.00100	"	0.0500	ND	101	80-120			
Ethylbenzene	0.0481	0.00100	"	0.0500	ND	96.2	80-120			
Xylene (p/m)	0.0899	0.00100	"	0.100	ND	89.9	80-120			
Xylene (o)	0.0488	0.00100	"	0.0500	ND	97.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*42.9*		*ug/l*	*40.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.4*		*"*	*40.0*		*88.5*	*80-120*			

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

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	11/03/05 17:00

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 EJ52806 - EPA 5030C (GC)										
Matrix Spike Dup (EJ52806-MSD1)	**Source: 5J27012-03**			Prepared: 10/28/05 Analyzed: 11/01/05						
Benzene	0.0499	0.00100	mg/L	0.0500	ND	99.8	80-120	0.603	20	
Toluene	0.0514	0.00100	"	0.0500	ND	103	80-120	1.96	20	
Ethylbenzene	0.0493	0.00100	"	0.0500	ND	98.6	80-120	2.46	20	
Xylene (p/m)	0.0910	0.00100	"	0.100	ND	91.0	80-120	1.22	20	
Xylene (o)	0.0495	0.00100	"	0.0500	ND	99.0	80-120	1.42	20	
Surrogate: a,a,a-Trifluorotoluene	*42.3*		*ug/l*	*40.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.5*		*"*	*40.0*		*88.8*	*80-120*			

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Notes and Definitions

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: Jeanne McMurrey Date: 11/3/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas I, Ltd.

12600 West I-20 East
Odessa, Texas 79763

Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KEN DUTTON

Company Name: BASIN ENV SVC

Company Address: P.O. BOX 301

City/State/Zip: LOVINGTON, NM 88260

Telephone No: (505) 441-2124

Fax No: (505) 369-1429

Sampler Signature: Ken Dutton

Project Name: 34 JUNCTION NORTH STATION

Project #: EMS: 2005-00138

Project Loc: LEA COUNTY, NM

PO #: PAA/C. REYNOLDS

Analyze For: TCLP: / TOTAL: X (BTEX)

LAB # (lab use only) 5J27012	FIELD CODE	Date Sampled 2005	Time Sampled	No. of Containers	Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Water	Sludge	Soil	Other (specify):	TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RCI	N.O.R.M.	Total Gamma	RUSH TAT (Pre-Schedule)	Standard TAT
-01	MW-1	25 OCT	1020	2	X		X					X											X					X
-02	MW-2	↓	1110	↓	↓		↓					↓											↓					↓
-03	MW-5	↓	1215	↓	↓		↓					↓											↓					↓
-04	MW-4	↓	1500	↓	↓		↓					↓											↓					↓

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	27 OCT 05	1323			
Relinquished by:	**Date**	**Time**	**Received by ELOT:**	**Date**	**Time**
			Carrie Kelly	10/27/05	13:22

Sample Containers Intact? (Y) N

Temperature Upon Receipt: 2.0

Laboratory Comments: 40ml

seals/label

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Plains

Date/Time: 10/27/05 13:22

Order #: 5527012

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	2.0 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

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

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

APPENDIX B

RELEASE NOTIFICATION AND CORRECTIVE ACTION (NMOCD 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 34 Junction South Station	Facility Type Meter Facility

Surface Owner State Land Office	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	2	17S	36E					Lea

Latitude 32° 51'42.4" **Longitude** 103° 19'54.4"

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 15 barrels	Volume Recovered .5 barrels
Source of Release Malfunction of check valve on air eliminator	Date and Hour of Occurrence 6-10-05 @ 07:00	Date and Hour of Discovery 6-10-05 @ 07:45
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Paul Sheely	
By Whom? Camille Reynolds	Date and Hour 6-10-05 @ 13:31	
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.* Mechanical malfunction of check valve on air eliminator resulted in release. Isolated air eliminator off of metering system. The station produces approximately 100 barrels of sweet crude oil per day. The pressure on the line is <10 psi and the gravity on the sweet crude is 42.5, the H2S content is <10 ppm.

Describe Area Affected and Cleanup Action Taken.* The impacted soil was excavated and stockpiled on plastic. Aerial extent of surface impact was 1,620 square 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: 6-13-05 Phone:505-441-0965	

* Attach Additional Sheets If Necessary