

1R - 0436

REPORT

DATE:

2006



**PLAINS
PIPELINE**

*IR-436

Report

2006

August 3, 2006

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

Re: Plains Pipeline Annual Groundwater Monitoring Report and
Site Closure Request
Walter "Bubba" Norris Release Site
SE ¼, SW ¼ of Section 10, Township 17 South, Range 37 East
Lea County, New Mexico

GW-436
IR

Dear Mr. Stone:

Please find attached for your approval the Annual Groundwater Monitoring Report and Site Closure Request, dated July 18, 2006, for the Walter "Bubba" Norris release site located in the SE ¼, SW ¼ of Section 10, Township 17 South, Range 37 East in Lea County, New Mexico. The Annual Groundwater Monitoring Report and Site Closure Request details activities conducted for groundwater and soil remediation of the site.

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

Sincerely,

Camille Reynolds

Camille Reynolds
Remediation Coordinator
Plains All American Pipeline

Cc: Larry Johnson, NMOCD, Hobbs Office

Enclosure



2006 ANNUAL GROUNDWATER MONITORING REPORT AND SITE CLOSURE REQUEST

WALTER "BUBBA" NORRIS SITE

PLAINS EMS NO. 2000-10500

SE/4, SW/4, SECTION 10, T-17-S, R-37-E

LATITUDE: N 32° 50' 42" LONGITUDE: W 103° 14' 23"

LEA COUNTY, NEW MEXICO



2006 ANNUAL GROUNDWATER MONITORING REPORT AND SITE CLOSURE REQUEST

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SE/4, SW/4, SECTION 10, T-17-S, R-37-E
LATITUDE: N 32° 50' 42" LONGITUDE: W 103° 14' 23"
LEA COUNTY, NEW MEXICO**

Prepared For:

**Ms. Camille Reynolds
PLAINS PIPELINE, L.P.
3112 West U.S. Hwy 82
Lovington, New Mexico 88260**

**Prepared by:
Conestoga-Rovers
& Associates**

2135 S Loop 250 West
Midland, Texas 79703

Office: 432-686-0086
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**JULY 18, 2006
REF. NO. 041671 (2)**

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1.0 INTRODUCTION

This Annual Groundwater Monitoring Report presents groundwater monitoring data collected at the Walter "Bubba" Norris site (hereafter referred to as the "Site") by Conestoga-Rovers & Associates (CRA) on behalf of Plains Pipeline, L.P. (Plains). Annual groundwater monitoring activities were performed on June 9, 2006. The objective of this report is to demonstrate hydrocarbon concentrations in groundwater to be below regulatory protection limits and receive New Mexico Oil Conservation Division (NMOCD) concurrence for closure and no further action at the Site.

The Site is located in Lea County, New Mexico (FIGURE 1) and is associated with a crude oil pipeline release. The legal description of the Site is the SE/4, SW/4 of Section 10, T-17-S and R-37-E Lea County, New Mexico. The subject release occurred on July 6, 2000 and the line was subsequently de-oiled and taken out-of-service. A NMOCD Form C-141 (Release Notification and Corrective Action) indicated the crude oil release consisted of 75 barrels released with 40 barrels recovered (APPENDIX B). A Site details map is presented as FIGURE 2.

Previous assessment activities were performed at the Site by Environmental Technology Group, Inc. (ETGI). A *Preliminary Site Investigation Report and Remediation Work Plan* (ETGI, September 2000) outlined activities associated with the preliminary site investigation and presented means for closure. Remedial excavation activities were performed and the hydrocarbon impacted area was delineated to the extent of approximately 150 feet by 100 feet east of the pipeline release point and approximately seven feet below ground surface (bgs). Six soil borings were also advanced to determine the nature and extent of crude oil impact as a result of the pipeline release. In addition to surface staining, hydrocarbon impact was encountered in soil boring SB-3 from 38 feet to 55 feet bgs. However, ETGI determined that the deeper impacted interval did not appear to be contributable to the subject pipeline release. A groundwater sample was also collected from soil boring SB-3 and the analytical results indicated no hydrocarbon impacts exceeded New Mexico Water Quality Control Commission (NMWQCC) standards.

On March 4, 2004, Link Energy (preceding the Plains acquisition) submitted a *Final Closure Request* to the NMOCD and presented historical data and a summary of the remedial activities. During the remedial activities, approximately 4,529 cubic yards of RCRA Non-Exempt Non-Hazardous impacted soil was excavated by ETGI and remediated onsite by N Diamond Environmental (landowner, Mr. Walter "Bubba" Norris). Subsequent to the *Final Closure Request* submittal and verbal correspondence with NMOCD personnel, a *Work Plan for the Installation of Groundwater Monitor Wells* was submitted (ETGI, April 28, 2004) to evaluate groundwater and soil conditions at the Site.

On May 20, 2004, ETGI mobilized to the Site and conducted soil and groundwater assessment activities including the installation of monitor wells MW-1, MW-2, and MW-3. Soil and groundwater hydrocarbon impacts were encountered in excess of NMOCD regulatory guidelines and the results were presented in the *Soil and Groundwater Assessment Report* (CRA, August 13, 2004). The Site is currently monitored annually at the request of the NMOCD under the direction of CRA. Annual groundwater monitoring activities performed in 2005 were presented in the *2005 Annual Groundwater Monitoring Report* (CRA, March 2006).

2.0 REGULATORY FRAMEWORK

The NMOCD has regulatory jurisdiction over oil and gas production operations including crude oil pipeline spills and closure activities in the State of New Mexico. This project was conducted under the regulatory jurisdiction of the NMOCD, which requires that soil impacted by a crude oil spill be remediated in such a manner that the potential for future affects to groundwater or the environment are minimized. The NMOCD hydrocarbon soil remediation levels are determined by ranking criteria on a site-by-site basis, which is outlined in the NMOCD *Guidelines for Remediation of Spills, Leaks, and Releases*, dated August 13, 1993. The ranking criteria are based on three site characteristics: depth to groundwater, wellhead protection and distance to surface water.

The NMOCD guidelines require groundwater to be analyzed for potential contaminants contained in the waste stream as defined by the New Mexico Water Quality Control Commission (NMWQCC) regulations. In addition, the NMWQCC regulations present the Human Health Standards for Groundwater. Groundwater samples collected as part of monitoring activities were evaluated utilizing NMWQCC Standards for the following analytical parameters:

NMWQCC Human Health Standards for Groundwater

Constituent of Concern	Concentration (mg/L)
Benzene	0.01
Toluene	0.75
Ethylbenzene	0.75
Total Xylenes	0.62

Under Subsection K (Completion and Termination) of Section 19.15.1.19 NMAC, abatement shall be considered complete when the standards and requirements set forth in Subsection B of Section 19.15.1.19 NMAC are met.

3.0 GROUNDWATER MONITORING AND SAMPLING

One groundwater monitoring event was conducted during the 2006 calendar year (June 9, 2006).

3.1 FIELD METHODOLOGY

The Site is monitored with a network of three monitor wells (MW-1, MW-2 and MW-3). Prior to purging the wells, static fluid levels were measured with an electric interface probe to the nearest hundredth of a foot. After recording fluid levels, samples were collected using the low-flow methodology described in the document "Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures" (EPA/504/S-95/504). The intake of a non-dedicated bladder pump was lowered to approximately two-feet below the groundwater surface. Purging was considered complete when the geochemical field parameters (pH, temperature and conductivity) stabilized to $\pm 10\%$. New disposable pump tubing was used to purge and sample each well. The bladder pump was decontaminated with a Liquinox[®] soap and potable water wash, a potable water rinse and a final deionized water rinse to minimize potential cross-contamination between each monitor well. Following the purging process, laboratory-supplied sample containers were filled directly from the bladder pump discharge tubing.

Groundwater samples were placed on ice in insulated coolers and chilled to a temperature of approximately 4°C (40°F). The coolers were sealed for shipment and proper chain-of-custody documentation accompanied the samples to the laboratory (TraceAnalysis, Inc. located in Lubbock, Texas) for BTEX analysis by EPA Method 8021B. The fluids recovered during the sampling event were containerized in sealed onsite drums.

3.2 GROUNDWATER ANALYTICAL RESULTS

Groundwater gauging data is presented in TABLE I. Depth to groundwater in the three monitor wells ranged from 68.91 feet to 69.31 feet below the top of casing on June 9, 2006. Groundwater flow at the Site has remained consistent and is toward the east-southeast at approximately 0.002 feet/foot. A groundwater gradient map for June 2006 is presented as FIGURE 3.

Groundwater analytical results are summarized in TABLE II and presented on FIGURE 4. BTEX concentrations were below NMWQCC groundwater standards during the June 2006 sampling event in all three monitor wells. A copy of the certified analytical report and chain-of-custody documentation is attached in APPENDIX A.

4.0 SUMMARY OF FINDINGS

Based on historical data review and groundwater monitoring activities performed at the Site, CRA presents the following summary of findings:

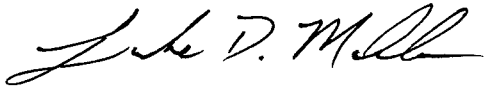
- The Walter "Bubba" Norris crude oil pipeline release site is located in Lea County, New Mexico. The legal description of the Site is the SE/4, SW/4 of Section 10, T-17-S and R-37-E. The subject release occurred on July 6, 2000 and the line was subsequently de-oiled and taken out of service. A NMOCD Form C-141 indicated the crude oil release consisted of 75 barrels released with 40 barrels recovered;
- Previous assessment activities were performed at the Site by ETGI. Historical data and a summary of the remedial activities were submitted to the NMOCD in a *Final Closure Request* (Link Energy, March 4, 2004). During the remedial activities, approximately 4,529 cubic yards of RCRA Non-Exempt Non-Hazardous impacted soil was excavated by ETGI and remediated onsite by N Diamond Environmental. Subsequent to the *Final Closure Request* submittal and verbal correspondence with NMOCD personnel, a *Work Plan for the Installation of Groundwater Monitor Wells* was submitted (ETGI, April 28, 2004);
- On May 20, 2004, ETGI mobilized to the Site and conducted soil and groundwater assessment activities including the installation of monitor wells MW-1, MW-2, and MW-3. Soil and groundwater hydrocarbon impacts were encountered in excess of NMOCD regulatory guidelines and the results were presented in the *Soil and Groundwater Assessment Report* (CRA, August 13, 2004);
- Annual groundwater monitoring activities were performed by CRA on June 9, 2005 and June 9, 2006. BTEX concentrations were below NMWQCC groundwater standards during both annual sampling events in all three monitor wells;
- Site Closure is appropriate based on the results of two consecutive annual groundwater monitoring events below regulatory levels that generally comply with the standards and requirements set forth in Subsection B of Section 19.15.1.19 NMAC.

5.0 RECOMMENDATIONS AND SITE CLOSURE REQUEST

Based upon the data and conclusions presented in this report, CRA recommends the following:

- NMOCD approval to plug and abandon (P&A) the Site's network of three monitor wells in accordance with NMOCD guidelines and cease further groundwater monitoring activities;
- Plains will subsequently submit P&A records and request written concurrence from the NMOCD for approved Site Closure activities and No Further Action.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES



Luke D. Markham
Project Manager



Thomas C. Larson, P.G.
Senior Project Manager

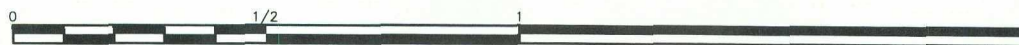
HUMBLE CITY QUADRANGLE NEW MEXICO

LAT= 32° 50' 42" N
LONG= 103° 14' 23" W

PHOTOREVISED 1977



MAP SERIES 1:24000



CONTOUR INTERVAL 5 FEET



NORTH

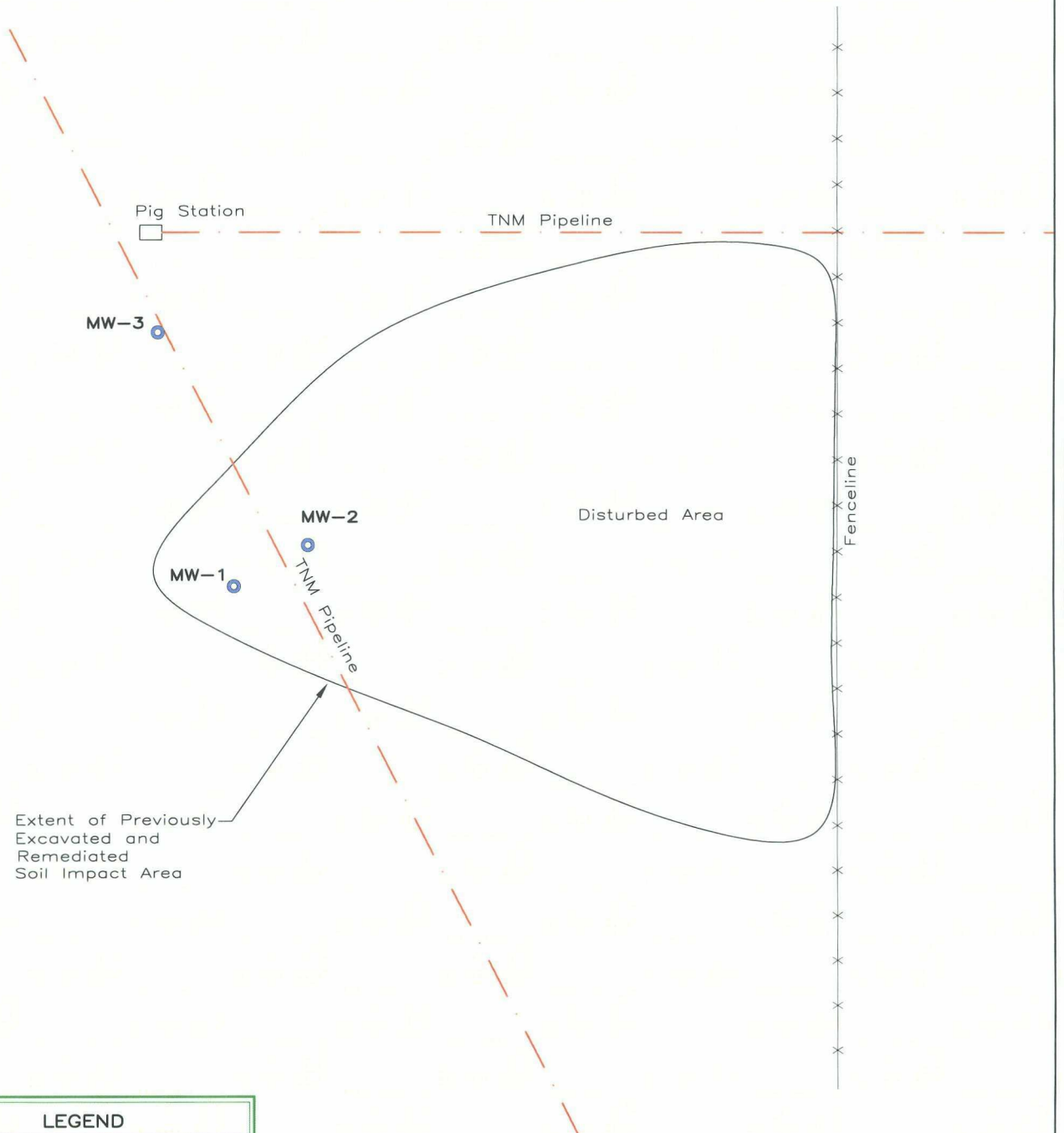
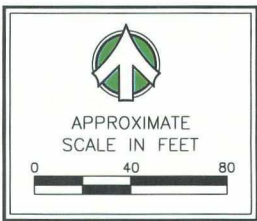


SITE LOCATION MAP

PLAINS PIPELINE, L.P.
WALTER "BUBBA" NORRIS 2000-10500 LEA COUNTY, NEW MEXICO

JOB No.
041671

FIGURE
1



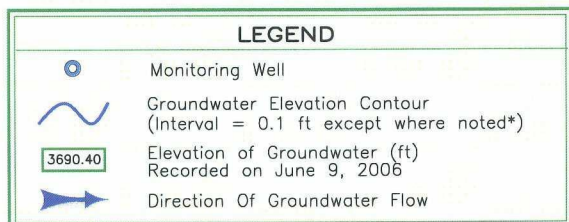
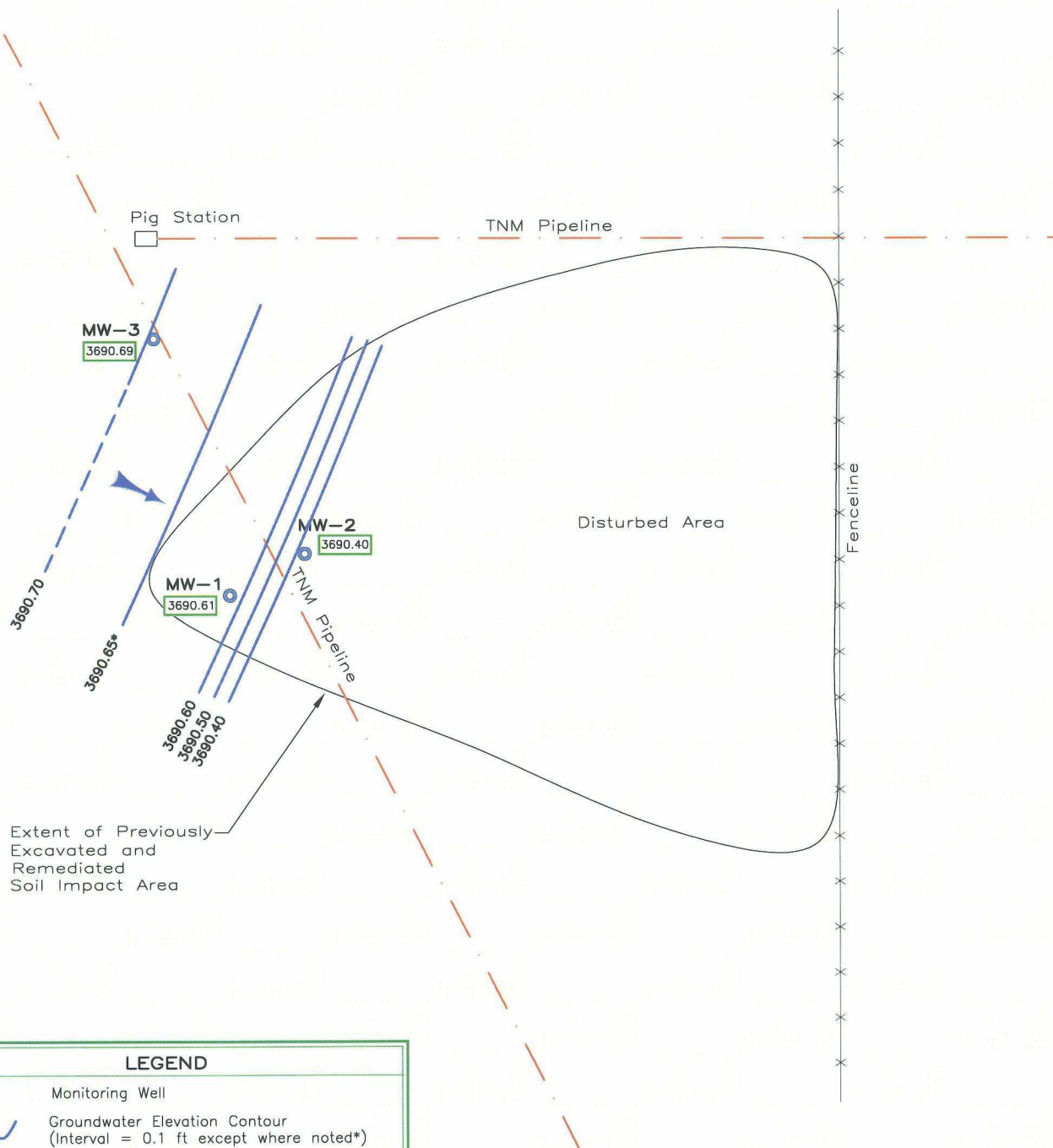
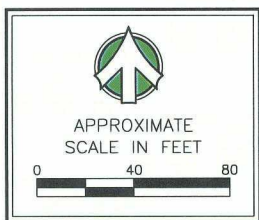
LEGEND	
	Monitoring Well

041671 06 SLR 030706



SITE DETAILS MAP	
PLAINS PIPELINE, L.P.	
WALTER "BUBBA" NORRIS 2000-10500 LEA COUNTY, NEW MEXICO	

JOB No. 041671
FIGURE 2



041671 06 SLR 071106

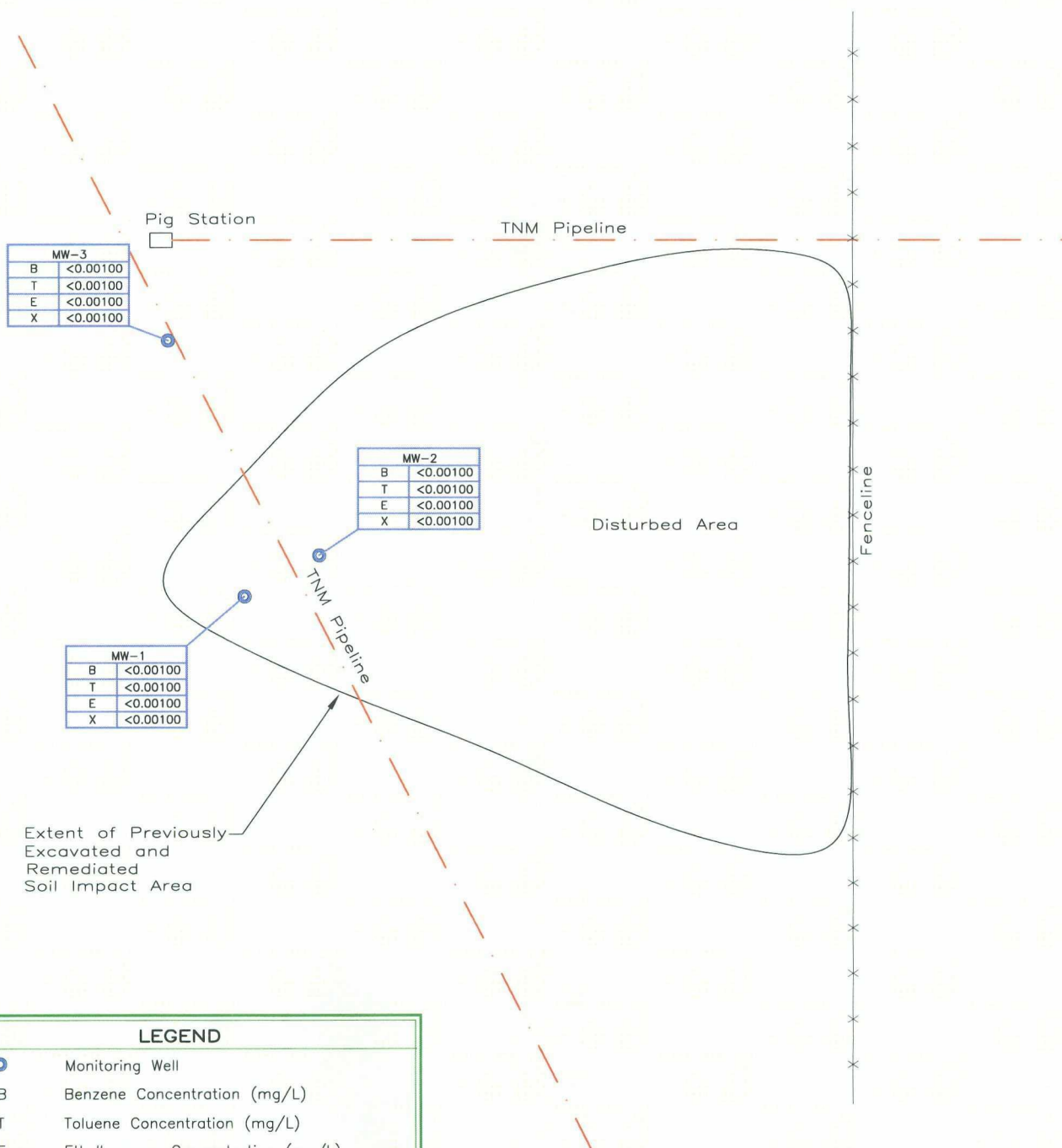
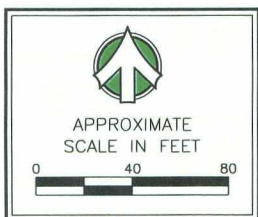


GROUNDWATER GRADIENT MAP — JUNE 2006

PLAINS PIPELINE, L.P.
WALTER "BUBBA" NORRIS 2000-10500 LEA COUNTY, NEW MEXICO

JOB No.
041671

FIGURE
3



LEGEND

- Monitoring Well
- B Benzene Concentration (mg/L)
- T Toluene Concentration (mg/L)
- E Ethylbenzene Concentration (mg/L)
- X Xylenes Concentration (mg/L)

Groundwater samples were collected on June 9, 2006.

041671 SLR 030706



GROUNDWATER BTEX CONCENTRATION MAP - JUNE 2006

PLAINS PIPELINE, L.P.
WALTER "BUBBA" NORRIS 2000-10500 LEA COUNTY, NEW MEXICO

JOB No.
041671

FIGURE
4

TABLE I
GROUNDWATER GAUGING SUMMARY
PLAINS PIPELINE, L.P.
WALTER "BUBBA" NORRIS #2000-10500
LEA COUNTY, NEW MEXICO

Well ID TOC Elevation	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Groundwater Elevation (ft)	Well Depth (ft bgs)	Well Screen Interval (ft bgs)
MW-1 3759.72	6/2/04	67.89	---	---	3691.83	78.00	63 - 78
	6/9/05	68.35	---	---	3691.37	---	---
	6/9/06	69.11	---	---	3690.61	---	---
MW-2 3759.31	6/2/04	67.95	---	---	3691.36	78.00	58 - 78
	6/9/05	68.14	---	---	3691.17	---	---
	6/9/06	68.91	---	---	3690.40	---	---
MW-3 3760.00	6/2/04	67.97	---	---	3692.03	78.00	58 - 78
	6/9/05	68.50	---	---	3691.50	---	---
	6/9/06	69.31	---	---	3690.69	---	---

Notes:

1. TOC - Top of Casing.
2. LNAPL - Light non-aqueous phase liquid.
3. bgs - below ground surface.

TABLE II
GROUNDWATER ANALYTICAL SUMMARY
PLAINS PIPELINE, L.P.
WALTER "BUBBA" NORRIS #2000-10500
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	TPH		
						GRO	DRO	Total
New Mexico Water Quality Control Commission Standard								
		0.01	0.75	0.75	0.62	---	---	---
MW-1	6/2/04	0.0255	0.0234	0.0034	0.00494	<0.5	<0.5	<1.0
	6/9/05	<0.00100	<0.00100	<0.00100	<0.00100	---	---	---
	6/9/06	<0.00100	<0.00100	<0.00100	<0.00100	---	---	---
MW-2	6/2/04	0.01930	0.0204	0.00315	0.00449	<0.5	0.829	0.829
	6/9/05	<0.00100	<0.00100	<0.00100	<0.00100	---	---	---
	6/9/06	<0.00100	<0.00100	<0.00100	<0.00100	---	---	---
MW-3	6/2/04	0.00526	0.01510	0.00428	0.00574	<0.05	1.12	1.12
	6/9/05	<0.00100	<0.00100	<0.00100	<0.00100	---	---	---
	6/9/06	<0.00100	<0.00100	<0.00100	<0.00100	---	---	---

Notes:

1. Shaded cells indicate New Mexico Water Quality Control Commission (NMWQCC) exceedance.
2. BTEX analysis by EPA Method 8260B in 2004; BTEX analysis by EPA Method 8021B in 2005 and 2006.
3. TPH (GRO/DRO) analysis by EPA Method 8015 Modified.
4. Results shown in mg/L.

Report Date: June 14, 2006
041671

Work Order: 6061210
Plains all American

Page Number: 1 of 1
Bubba Norris

Summary Report

Luke Markham
CRA-Midland
2135 South Loop 250 West
Midland, TX, 79703

Report Date: June 14, 2006

Work Order: 6061210



Project Location: Bubba Norris
Project Name: Plains all American
Project Number: 041671
SRS#: 2000-10500

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
92676	MW1 6906	water	2006-06-09	12:30	2006-06-10
92678	MW3 6906	water	2006-06-09	11:15	2006-06-10
92679	Trip	water	2006-06-09	00:00	2006-06-10

Sample - Field Code	BTEX				MTBE
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)
92676 - MW1 6906	<0.00100	<0.00100	<0.00100	<0.00100	
92678 - MW3 6906	<0.00100	<0.00100	<0.00100	<0.00100	
92679 - Trip	<0.00100	<0.00100	<0.00100	<0.00100	

Analytical and Quality Control Report

Luke Markham
CRA-Midland
2135 South Loop 250 West
Midland, TX, 79703

Report Date: June 14, 2006

Work Order: 6061210



Project Location: Bubba Norris
Project Name: Plains all American
Project Number: 041671
SRS#: 2000-10500

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
92676	MW1 6906	water	2006-06-09	12:30	2006-06-10
92678	MW3 6906	water	2006-06-09	11:15	2006-06-10
92679	Trip	water	2006-06-09	00:00	2006-06-10

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

This report consists of a total of 5 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 92676 - MW1 6906

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 27275 Date Analyzed: 2006-06-12 Analyzed By: KB
Prep Batch: 23925 Sample Preparation: 2006-06-12 Prepared By: KB

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0874	mg/L	1	0.100	87	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0940	mg/L	1	0.100	94	46.4 - 136.5

Sample: 92678 - MW3 6906

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 27275 Date Analyzed: 2006-06-12 Analyzed By: KB
Prep Batch: 23925 Sample Preparation: 2006-06-12 Prepared By: KB

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0867	mg/L	1	0.100	87	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0918	mg/L	1	0.100	92	46.4 - 136.5

Sample: 92679 - Trip

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
QC Batch: 27275 Date Analyzed: 2006-06-12 Analyzed By: KB
Prep Batch: 23925 Sample Preparation: 2006-06-12 Prepared By: KB

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0869	mg/L	1	0.100	87	78.1 - 125.4
4-Bromofluorobenzene (4-BFB)		0.0923	mg/L	1	0.100	92	46.4 - 136.5

Method Blank (1) QC Batch: 27275

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0868	mg/L	1	0.100	87	77.4 - 109
4-Bromofluorobenzene (4-BFB)		0.0928	mg/L	1	0.100	93	63.8 - 118

Laboratory Control Spike (LCS-1)

QC Batch: 27275
Prep Batch: 23925

Date Analyzed: 2006-06-12
QC Preparation: 2006-06-12

Analyzed By: KB
Prepared By: KB

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0981	0.0992	mg/L	1	0.100	<0.000153	98	1	80 - 120	20
Toluene	0.0984	0.0993	mg/L	1	0.100	<0.000283	98	1	80 - 120	20
Ethylbenzene	0.0984	0.0999	mg/L	1	0.100	<0.000621	98	2	80 - 120	20
Xylene	0.293	0.300	mg/L	1	0.300	<0.000456	98	2	80 - 120	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0953	0.0951	mg/L	1	0.100	95	95	80 - 120
4-Bromofluorobenzene (4-BFB)	0.0996	0.102	mg/L	1	0.100	100	102	80 - 120

Matrix Spike (MS-1) Spiked Sample: 92719

QC Batch: 27275
Prep Batch: 23925

Date Analyzed: 2006-06-12
QC Preparation: 2006-06-12

Analyzed By: KB
Prepared By: KB

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0962	0.0960	mg/L	1	0.100	<0.000153	96	0	88.4 - 114	20
Toluene	0.0969	0.0967	mg/L	1	0.100	<0.000283	97	0	81.4 - 116	20
Ethylbenzene	0.0966	0.0972	mg/L	1	0.100	<0.000621	97	1	82.5 - 118	20
Xylene	0.287	0.293	mg/L	1	0.300	<0.000456	96	2	77.9 - 117	20

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

Report Date: June 14, 2006
041671

Work Order: 6061210
Plains all American

Page Number: 4 of 5
Bubba Norris

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0941	0.0931	mg/L	1	0.1	94	93	84 - 109
4-Bromofluorobenzene (4-BFB)	0.0984	0.103	mg/L	1	0.1	98	103	74 - 120

Standard (ICV-1)

QC Batch: 27275

Date Analyzed: 2006-06-12

Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0965	96	85 - 115	2006-06-12
Toluene		mg/L	0.100	0.0969	97	85 - 115	2006-06-12
Ethylbenzene		mg/L	0.100	0.0981	98	85 - 115	2006-06-12
Xylene		mg/L	0.300	0.295	98	85 - 115	2006-06-12

Standard (CCV-1)

QC Batch: 27275

Date Analyzed: 2006-06-12

Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0995	100	85 - 115	2006-06-12
Toluene		mg/L	0.100	0.100	100	85 - 115	2006-06-12
Ethylbenzene		mg/L	0.100	0.100	100	85 - 115	2006-06-12
Xylene		mg/L	0.300	0.299	100	85 - 115	2006-06-12

Page 1 of 1

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST																	
LAB Order ID # 6061210																	
TraceAnalysis, Inc. 155 McCutcheon Suite H El Paso, Texas 79932 Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443 email: lab@traceanalysis.com																	
Company Name: CRF Address: 2135 S. Loop 250 W. Contact Person: Luke Markham Phone #: 432-686-0086 Fax #: 686-0186 e-mail:																	
Project Name: Camille Reynolds w/Plains All American Project #: 041671 SR#: 2000-10500 Plains All American Project Location: Bubba Norris Sampler Signature: <i>Joe Mule</i>																	
LAB #	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		TIME	DATE	TIME	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE				
2676	MW16906	2	10A	X				X				X			6-9-06	1730	
77	MW26906	2	10A	X				X				X			6-9-06	1150	
78	MW36906	2	10A	X				X				X			6-9-06	1115	
79	Trip	1	10A	X				X				X					
	Temp	1	20P	X				X				X					

ANALYSIS REQUEST																	
(Circle or Specify Method No.)																	
MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	TX 1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	FCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCBs 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard

LAB USE ONLY		REMARKS:	
Intact	Y/N	<input type="checkbox"/> Dry Weight Basis Required <input type="checkbox"/> TRRP Report Required <input checked="" type="checkbox"/> Check If Special Reporting Limits Are Needed	
Headspace	Y/N		
Temp	Y		
Log-in Review			
Carrier #		621 168 319744	

Received by:	Date:	Time:	Received by:	Date:	Time:
Joe Mule	6-9-06	1700	Joe Mule	6-9-06	1700
Joe Mule	6-9-06	1830	Joe Mule	6-9-06	1830
Received at Laboratory by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
CRF	6/10/06	10:30	CRF	6/10/06	10:30

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

ORIGINAL COPY

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

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

2000-10500

Form C-141
Revised March 17, 1999

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company EOTT Energy Pipeline Limited Partnership	Contact Glen Waldrop
Address P.O. Box 1660, Midland, TX 79702	Telephone No. 915/684-3453
Facility Name Dean 6"	Facility Type Pipeline

Surface Owner Walter Norris	Mineral Owner	Lease No.
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LOCATION OF RELEASE

Unit Letter	Section 9&10	Township 16S	Range 37E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
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NATURE OF RELEASE

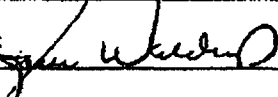
Type of Release Crude Oil	Volume of Release 75 barrels	Volume Recovered 40 barrels
Source of Release Pipeline	Date and Hour of Occurrence July 6, 2000	Date and Hour of Discovery 12:50 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Donna Williams	
By Whom? Wayne Brunette	Date and Hour July 6, 2000, 1:30 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
Release was caused by internal corrosion. Leak was clamped off.

Describe Area Affected and Cleanup Action Taken.*
Remediation will be handled by ENTRIX.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Glen Waldrop	Approved by District Supervisor:	
Title: District Manager	Approval Date:	Expiration Date:
Date: July 17, 2000 Phone: 915/684-3453	Conditions of Approval:	Attached <input type="checkbox"/>

* Attach Additional Sheets If Necessary