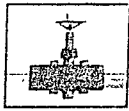


1R - 420

Annual GW Mon. REPORTS

DATE:
2010



PLAINS
ALL AMERICAN

March 23, 2011

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MAR 29 2011

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

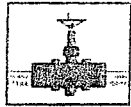
Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

Re: Plains All American – 2010 Annual Monitoring Reports
20 Sites 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 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 Junc. to Lea Sta.	1R-0386 ✓	Section 21, Township 20 South, Range 37 East, Lea County
34 Junction South	1R-0456 ✓	Section 02, Township 17 South, Range 36 East, Lea County
Bob Durham	AP-0016 ✓	Section 32, Township 19 South, Range 37 East, Lea County
Darr Angell #1	AP-007 ✓	Section 11, Township 15 South, Range 37 East, Lea County
Darr Angell #2	AP-007 ✓	Section 11, Township 15 South, Range 37 East, Lea County
		Section 14, Township 15 South, Range 37 East, Lea County
Darr Angell #4	AP-007 ✓	Section 11, Township 15 South, Range 37 East, Lea County
		Section 02, Township 15 South, Range 37 East, Lea County
Denton Station	1R-0234 ✓	Section 14, Township 15 South, Range 37 East, Lea County
HDO-90-23	AP-009 ✓	Section 06, Township 20 South, Range 37 East, Lea County
LF-59	1R-0103	Section 32, Township 19 South, Range 37 East, Lea County
Monument 2	1R-0110	Section 06, Township 20 South, Range 37 East, Lea County
		Section 07, Township 20 South, Range 37 East, Lea County
Monument 10	1R-0119	Section 30, Township 19 South, Range 37 East, Lea County
Monument 17	1R-123	Section 29, Township 19 South, Range 37 East, Lea County
Monument 18	1R-0124	Section 07, Township 20 South, Range 37 East, Lea County
S. Mon. Gath. Sour	1R-951	Section 05, Township 20 South, Range 37 East, Lea County
SPS-11	GW-0140 ✓	Section 18, Township 18 South, Range 36 East, Lea County
Texaco Skelly F	1R-0420	Section 11, Township 21 South, Range 37 East, Lea County
TNM 97-04	GW-0294 ✓	Section 11, Township 16 South, Range 35 East, Lea County
TNM 97-17	AP-017 ✓	Section 21, Township 20 South, Range 37 East, Lea County
TNM 97-18	AP-0013 ✓	Section 28, Township 20 South, Range 37 East, Lea County
TNM 98-05A	AP-12	Section 26, Township 21 South, Range 37 East, Lea County



PLAINS
ALL AMERICAN

Nova Safety and Environmental (Nova) 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 Nova personnel 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 (575) 441-1099.

Sincerely,

Jason Henry
Remediation Coordinator
Plains All American

CC: Geoff Leking, NMOCD, Hobbs, NM

Enclosures



**2010
ANNUAL MONITORING REPORT**

TEXACO SKELLY F
SW ¼ NW ¼ SECTION 21, TOWNSHIP 20 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS SRS NUMBER: 2002-11229
NMOCD Reference Number 1R-0420

Prepared For:


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



Prepared By:

NOVA Safety and Environmental
2057 Commerce Street
Midland, Texas 79703

March 2011


Ronald K. Rounsaville
Senior Project Manager

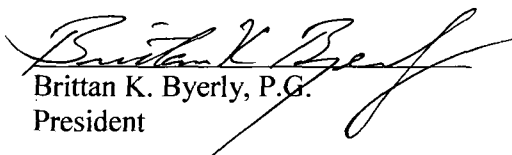

Brittan K. Byerly, P.G.
President

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LABORATORY RESULTS	2
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Figure 1 – Site Location Map

Figure 2A – Inferred Groundwater Gradient Map – February 1, 2010

2B – Inferred Groundwater Gradient Map – May 4, 2010

2C – Inferred Groundwater Gradient Map – August 3, 2010

2D – Inferred Groundwater Gradient Map – November 2, 2010

Figure 3A – Groundwater Concentration and Inferred PSH Extent Map – February 1, 2010

3B – Groundwater Concentration and Inferred PSH Extent Map – May 4, 2010

3C – Groundwater Concentration and Inferred PSH Extent Map – August 3, 2010

3D – Groundwater Concentrations and Inferred PSH Extent Map – November 2, 2010

TABLES

Table 1 – 2010 Groundwater Elevation Data

Table 2 – 2010 Concentrations of BTEX and TPH in Groundwater

Table 2 – 2010 Concentrations of PAH in Groundwater

APPENDICES

Appendix A – Release Notification and Corrective Action (Form C-141)

ENCLOSED ON DATA DISK

2010 Annual Monitoring Report

2010 Tables 1, 2 and 3 – Groundwater Elevation, BTEX and PAH Concentration Data

2010 Figures 1, 2A-2D, and 3A-3D

Electronic Copies of Laboratory Reports

Historic Table 1 and 2 – Groundwater Elevation, BTEX and PAH Concentration Tables

INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), NOVA Safety and Environmental (NOVA) is pleased to submit this Annual Monitoring Report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an Annual Monitoring Report by April 1 of each year. Beginning on May 29, 2004, project management responsibilities for the Texaco Skelly F Site (the site) were assumed by NOVA. The site, which was formerly the responsibility of Enron Oil Trading and Transportation (EOTT), is now the responsibility of Plains. This report is intended to be viewed as a complete document with text, figures, tables and appendices. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2010 only. However, historic data tables as well as 2010 laboratory analytical reports are presented on the enclosed data disk. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during each quarter of 2010 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). Each groundwater monitoring event consisted of measuring static water levels in monitor wells, checking for the presence of PSH on the water column and purging and sampling of each well exhibiting sufficient recharge. Monitor 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 SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 21, Township 20 South, Range 37 East. The release was discovered by the Texas-New Mexico Pipeline Company (TNM) on the four-inch crude oil transportation line. No information is currently available documenting the discovery date, release volume or nature of the pipeline failure. The Release Notification and Corrective Action Form (C-141) are provided as Appendix B. A Geoprobe[®] Rig was utilized during the initial site investigation to delineate crude oil impacted soil. Laboratory analysis of soil samples collected during this initial stage of the investigation indicates that subsurface soil impacted by the crude oil release were limited to areas at and below the surface staining.

Nine groundwater monitor wells (MW-1 through MW-9) and two product recovery wells (RW-1 and RW-2) are currently onsite. Manual product recovery is being conducted weekly from recovery wells RW-1 and RW-2 and monitor wells MW-7 (when present) and MW-8.

FIELD ACTIVITIES

Product Recovery Efforts

A measurable thickness of PSH was detected in recovery wells RW-1 and RW-2 throughout the reporting period and at least during three monitoring events in monitor wells MW-7 and MW-8. A maximum thickness of 2.05 feet of PSH was detected in recovery well RW-2 on February 4, 2010. The average thickness of PSH exhibited in wells MW-7, MW-8, RW-1 and RW-2 was 0.33 feet. Groundwater Elevation data is provided as Table 1. Approximately 97 gallons (approximately 2.3 barrels) of PSH was recovered from the site during the 2010 reporting period. Approximately 1,469 gallons (approximately 35 barrels) of PSH has been recovered since project inception. To maximize product recovery efforts, Plains installed a solar recovery system during the 3rd quarter of 2009 which utilizes two total fluid pumps powered by two 12 volt solar

panels and a 12 volt wind turbine installed in recovery wells RW-1 and RW-2. The pumps operate on a cycle of approximately 3 minutes every 3 hours at an average pumping rate of approximately 2 gallons per minute.

Groundwater Monitoring

Quarterly monitoring events for the reporting period were performed according to the following sampling schedule, which was approved by the NMOCD in correspondence dated April 28, 2004 and amended by NMOCD correspondence dated June 22, 2005.

NMOCD Approved Sampling Schedule	
MW-1	Annually
MW-2	Annually
MW-3	Annually
MW-4	Quarterly
MW-5	Annually
MW-6	Annually
MW-7	Quarterly
MW-8	Quarterly
MW-9	Quarterly
RW-1	Quarterly
RW-2	Quarterly

The site monitor wells and recovery wells were gauged and sampled on February 1, May 4, August 3, and November 2, 2010. During each sampling event, sampled monitor wells were purged of a minimum of three well volumes of water or until the wells failed to produce water using a PVC bailer or electric Grundfos pump. Groundwater was allowed to recharge and samples were collected using disposable Teflon samplers. Water samples were placed in clean, glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of at a licensed disposal facility.

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during the four quarterly events, are depicted on Figures 2A through 2D, the Inferred Groundwater Gradient Maps. Groundwater elevation data for 2010 is provided as Table 1. Historic groundwater elevation data beginning at project inception is provided on the enclosed data disk.

The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.0016 feet/foot to the south as measured between groundwater monitor wells MW-1 and MW-7. This is consistent with data presented on Figures 2A through 2C from earlier in the year. Corrected groundwater elevations ranged between 3,491.72 and 3,498.83 feet above mean sea level, in monitor well MW-4 on March 29, 2010 and recovery well RW-2 on July 9, 2010, respectively.

LABORATORY RESULTS

Groundwater samples obtained during the quarterly sampling events of 2010 were delivered to Trace Analysis, Inc. in Midland, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method 8021B. Polynuclear Aromatic Hydrocarbons (PAH) analysis was not conducted during the 2010 calendar year. Based upon historic PAH analytical data, only those wells exhibiting elevated constituent concentrations

above WQCC standards are sampled, with the exclusion of those wells containing measurable PSH thicknesses. A listing of BTEX constituent concentrations for 2010 are summarized in Table 2 and the Historic PAH constituent concentrations are summarized in Table 3. Copies of the laboratory reports generated for 2010 are provided on the enclosed data disk. The quarterly groundwater sample results for BTEX constituent concentrations are depicted on Figures 3A through 3D.

Monitor well MW-1 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below laboratory method detection limits (MDL) and NMOCD regulatory standards of 0.01 mg/L for benzene, 0.75 mg/L for toluene, 0.75 mg/L for ethylbenzene and 0.62 for xylene, during the 4th quarter sampling event. Monitor well MW-1 has exhibited fifteen consecutive monitoring events below NMOCD regulatory limits. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-2 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards. Monitor well MW-2 has exhibited fifteen consecutive monitoring events below NMOCD regulatory limits. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-3 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards. Monitor well MW-3 has exhibited fifteen consecutive monitoring events below NMOCD regulatory limits. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-4 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0150 mg/L during the 4th quarter to 0.0362 mg/L during the 1st quarter of 2010. Benzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of the reporting period. Ethylbenzene concentrations ranged from <0.001 mg/L during the 1st and 4th quarters to 0.0039 mg/L during the 3rd quarter of 2010. Ethylbenzene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 1st and 3rd quarters to 0.0079 mg/L during the 4th quarter of 2010. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-5 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during the 4th quarter sampling event. Monitor well MW-5 has exhibited fifteen consecutive monitoring events below NMOCD regulatory limits. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-6 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during the 4th quarter sampling event. Monitor well MW-6 has exhibited eighteen consecutive monitoring events below NMOCD regulatory limits. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-7 is sampled/monitored on a quarterly schedule. Monitor well MW-7 was not sampled during the first three quarters of the reporting period, due to the reported presence of PSH in the monitor well. PSH thicknesses of 0.34 feet, 0.11 feet and 0.07 feet were reported during the 1st, 2nd and 3rd quarters of 2010, respectively. Analytical results indicate a benzene concentration of 0.0345 mg/L during the 4th quarter of 2010. Benzene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period. Toluene, ethylbenzene and xylene concentrations were below the MDL and NMOCD regulatory standards during 4th quarter of 2010. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-8 is sampled/monitored on a quarterly schedule. Monitor well MW-8 was not sampled during the first three quarters of the reporting period, due to the reported presence of PSH in the monitor well. PSH thicknesses of 0.33 feet, 0.02 feet and 0.03 feet were reported during the 1st, 2nd and 3rd quarters of 2010, respectively. Benzene concentrations were 0.0065 mg/L during the 4th quarter of 2010. Benzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period. Toluene concentrations of <0.001 mg/L was detected during the 4th quarter of 2010. Toluene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period. Ethylbenzene concentrations were 0.0082 mg/L during the 4th quarter of 2010. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period. Xylene concentrations were 0.0083 mg/L during the 4th quarter of 2010. Xylene concentrations were below NMOCD regulatory standards during 4th quarter of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-9 is sampled on a quarterly schedule. Analytical results indicate BTEX constituent concentrations were below the MDL and/or NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Recovery well RW-1 is monitored on a quarterly schedule. Recovery well RW-1 was not sampled during the reporting period, due to the reported presence of PSH in the monitor well. PSH thicknesses of 0.30 feet, 0.13 feet, 0.62 feet, and 0.66 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2010, respectively. PAH analysis was not conducted during the 4th quarter sampling event.

Recovery well RW-2 is monitored on a quarterly schedule. Recovery well RW-2 was not sampled during the reporting period, due to the reported presence of PSH in the monitor well. PSH thicknesses of 1.97 feet, 0.09 feet, 0.05 feet, and 0.11 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2010, respectively. PAH analysis was not conducted during the 4th quarter sampling event.

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 2010 annual monitoring period. Nine groundwater monitor wells (MW-1 through MW-9) and two recovery wells (RW-1 and RW-2) are currently onsite. Manual product recovery is conducted twice weekly from monitor well MW-7 and MW-8. A solar powered recovery system is operational for recovery wells RW-1 and RW-2. Approximately 97 gallons (approximately 2.3 barrels) of PSH was recovered from the site during the 2010 reporting period. Approximately 1,469 gallons (approximately 35 barrels) of PSH has been recovered since project inception. The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.0016 feet/foot to the south.

Review of the laboratory analytical results of the groundwater samples obtained during this annual reporting period indicate BTEX constituent concentrations were below the applicable NMOCD regulatory standards in six of the eleven monitor and recovery wells on site. Monitor wells MW-7 and MW-8 exhibited measurable PSH thicknesses during at least three quarter of the reporting period. Recovery wells RW-1 and RW-2 consistently exhibited measurable thicknesses of PSH during gauging events throughout 2010. Dissolved phase and phase separated hydrocarbon impact appears to be limited to monitor wells MW-4, MW-7 and MW-8 and recovery wells RW-1 and RW-2. PAH analysis was not conducted during the 4th quarter sampling event.

ANTICIPATED ACTIONS

Quarterly monitoring, PSH recovery (as necessary) and groundwater sampling will continue in 2011. Manual product recovery, along with the solar recovery system, and gauging will be conducted on a weekly schedule and will be adjusted according to site conditions. An Annual Monitoring Report will be submitted to the NMOCD before April 1, 2012.

Based on the results of the PAH analysis over the past several years, further PAH analysis will be conducted on samples from monitoring wells MW-7 and MW-8 and recovery wells RW-1 and RW-2 at such time when PSH is not present.

LIMITATIONS


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

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

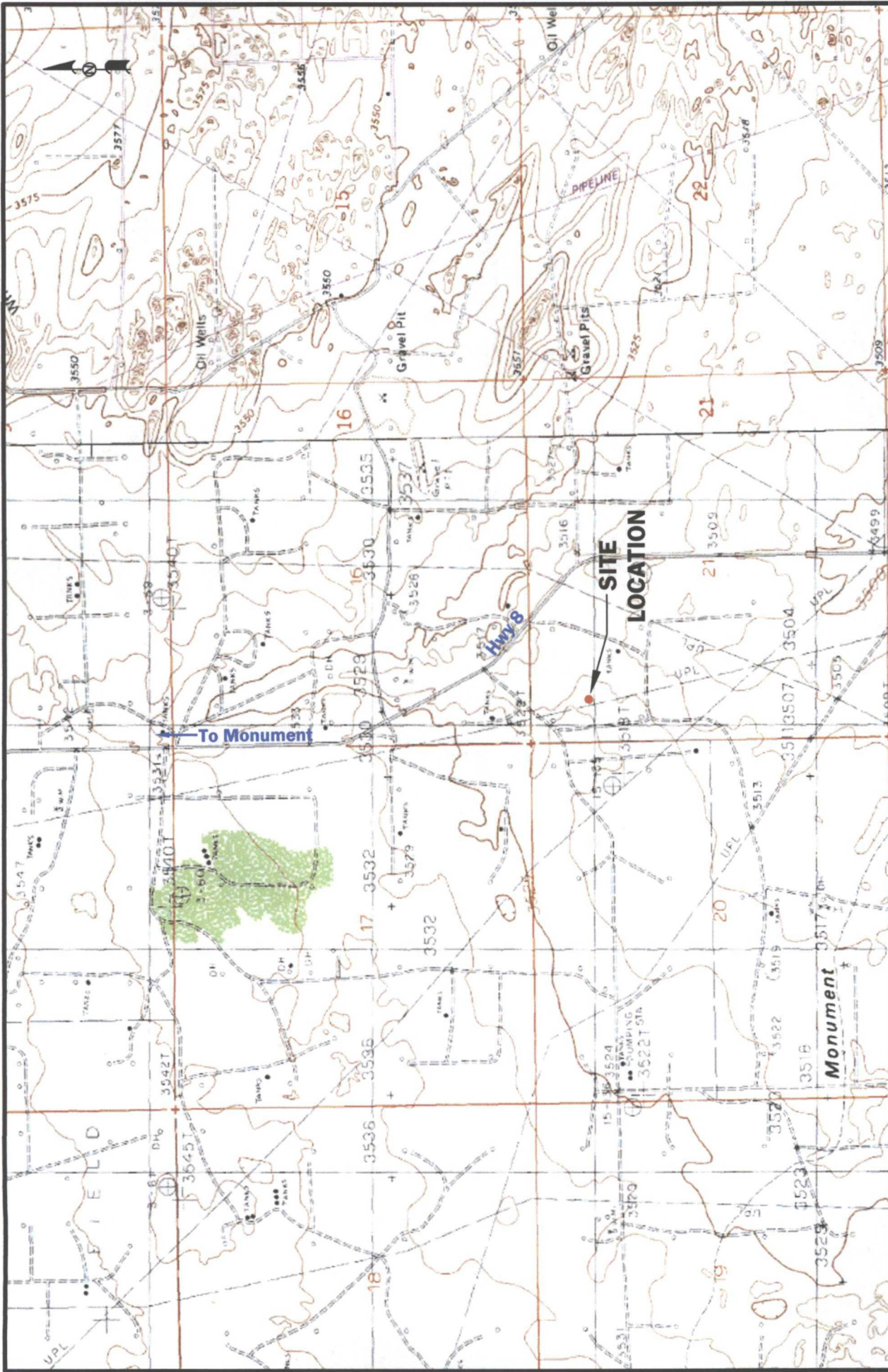
This report has been prepared for the benefit of Plains. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of NOVA and/or Plains.

DISTRIBUTION

- Copy 1 Ed Hansen
New Mexico Energy, Minerals and Natural Resources Department
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Santa Fe, NM 87505
- Copy 2: Geoffrey R. Leking
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
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jhenry@paalp.com
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Plains Marketing, L.P.
333 Clay Street
Suite 1600
Houston, TX 77002
jpdann@paalp.com
- Copy 5: NOVA Safety and Environmental
2057 Commerce Street
Midland, TX 79703
rrounsaville@novatraining.cc



Figures



LEGEND:



Figure 1
Site Location Map
Texaco Skelly
Plains Marketing, L.P.
Lea County, NM

2057 Commerce Drive
 Midland, Texas 79703
 432.520.7720

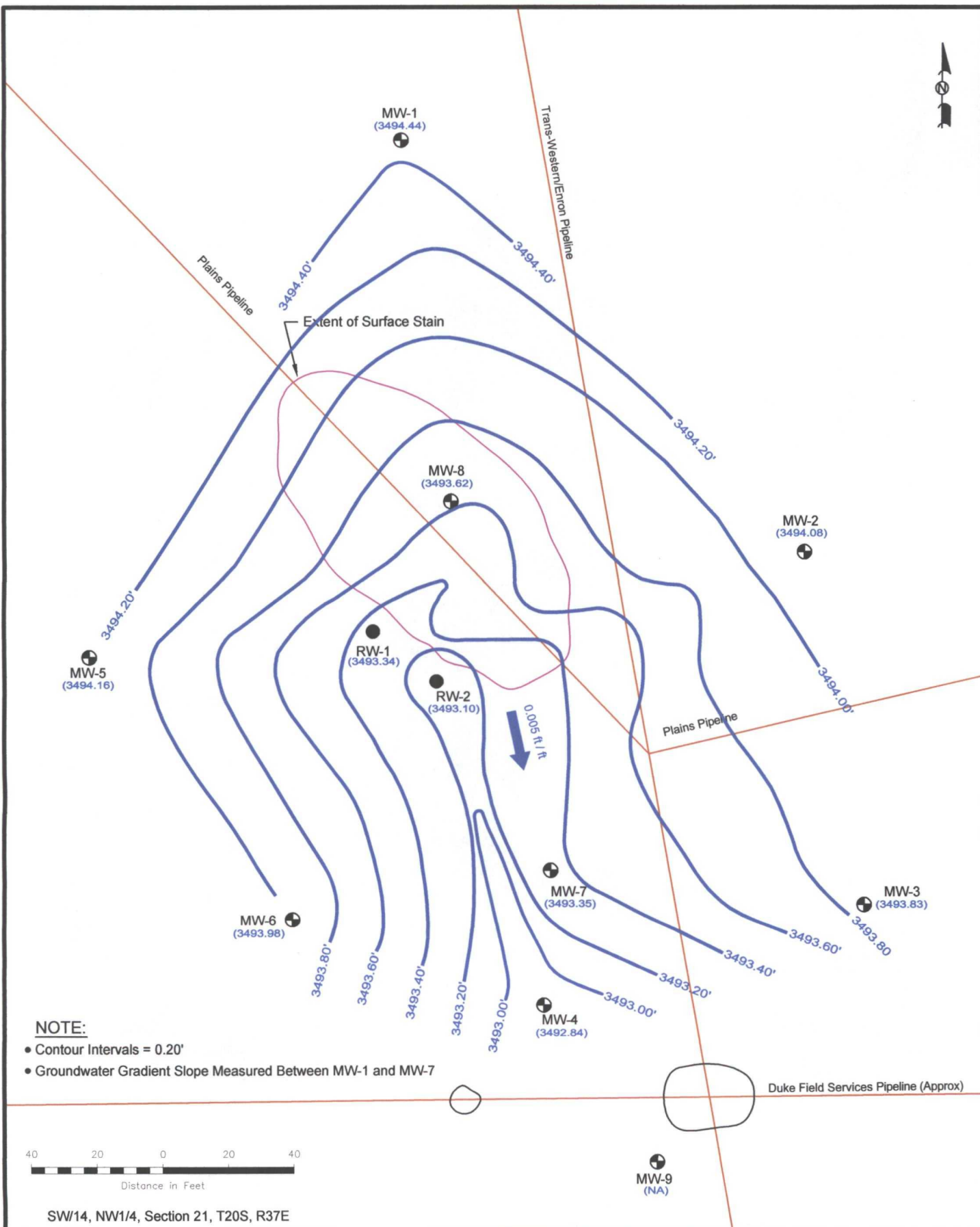


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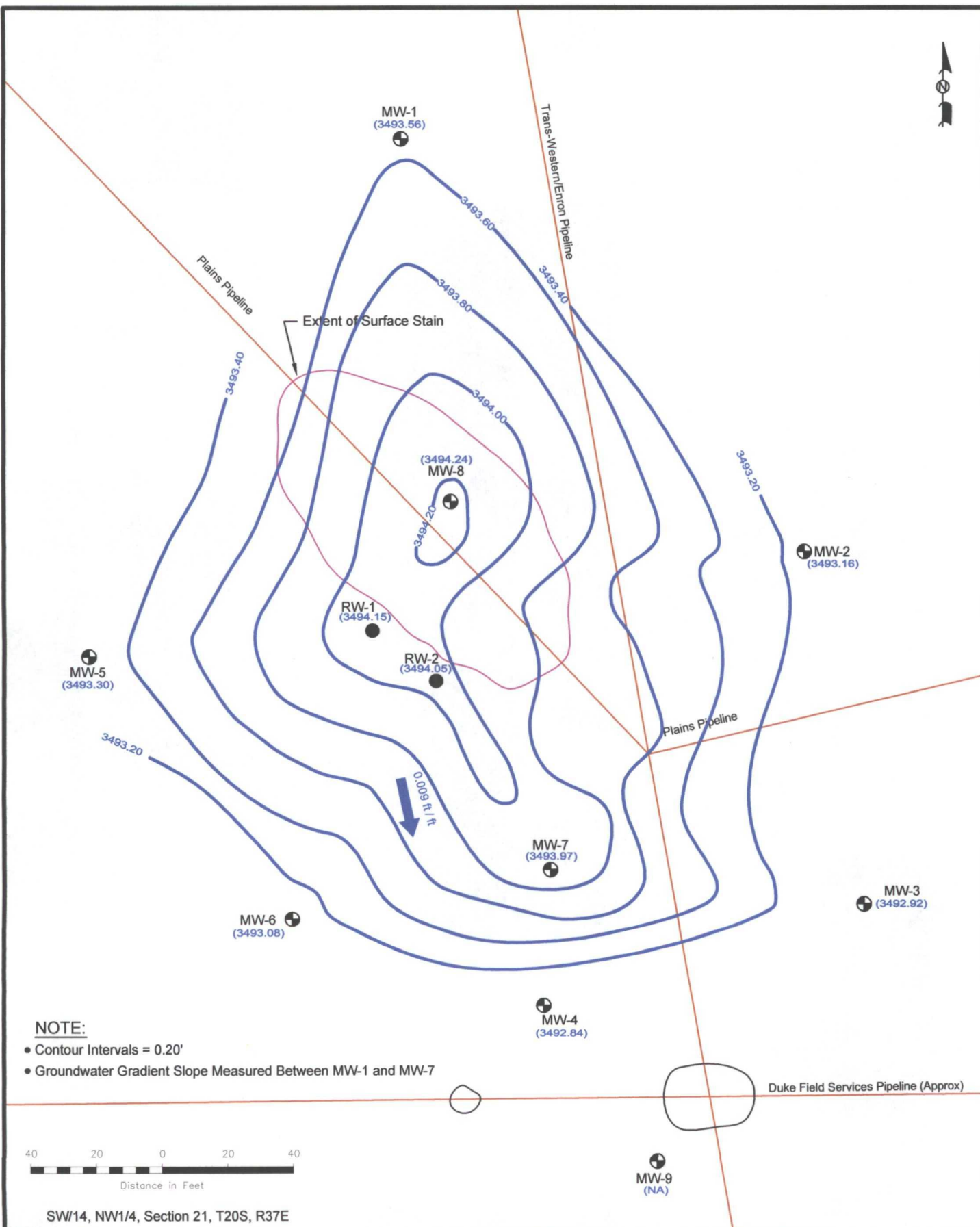
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

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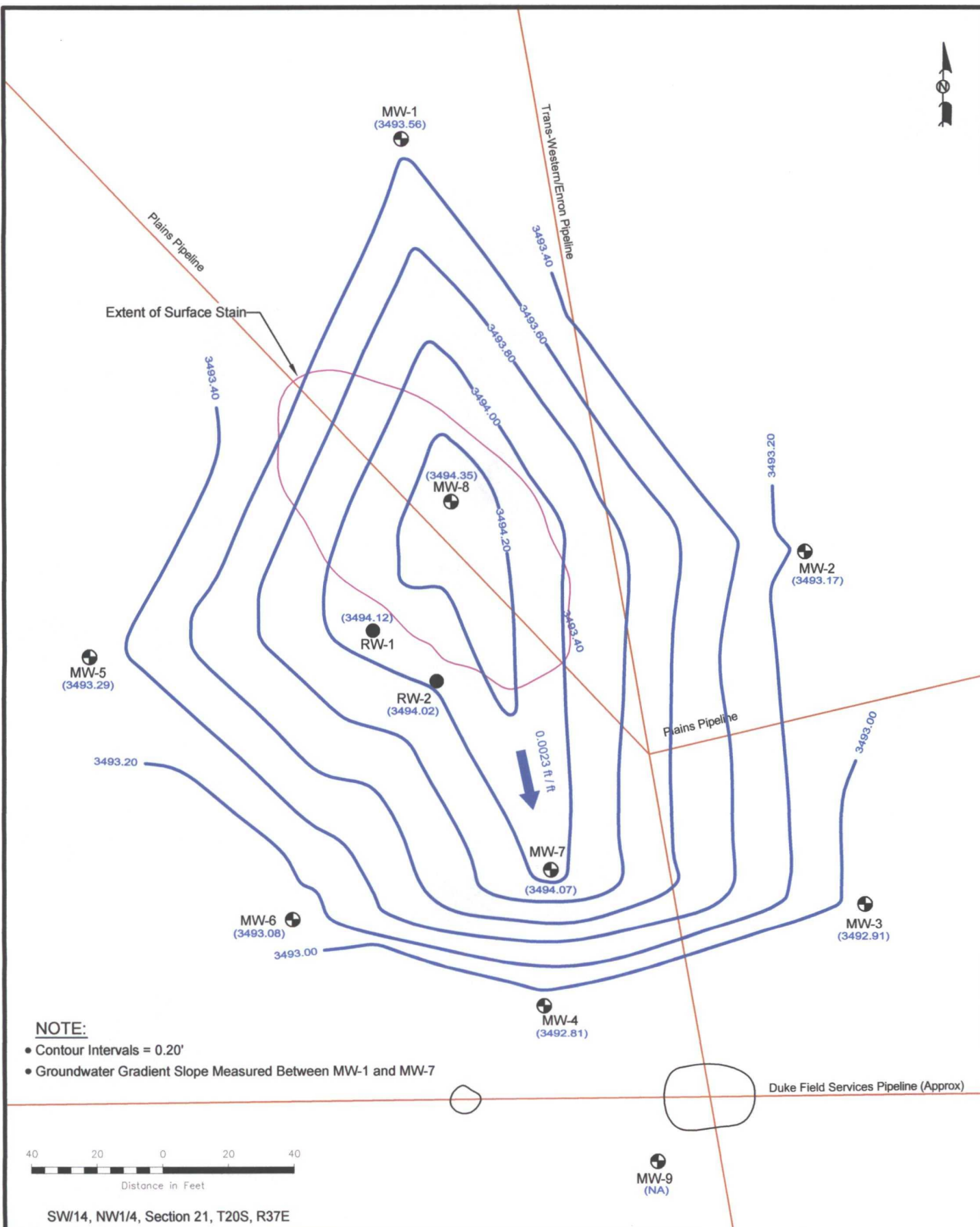
NMOC Reference #1R-420



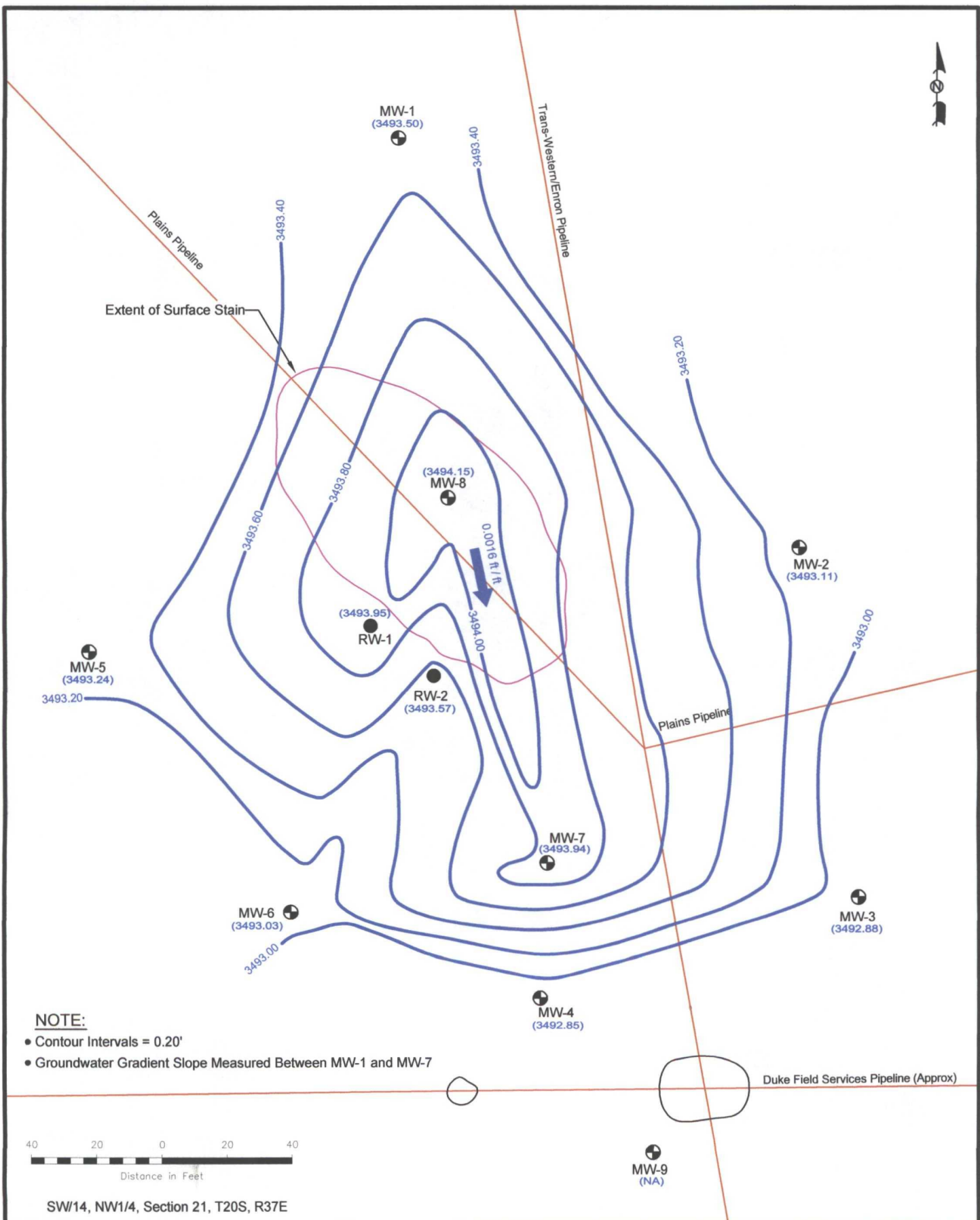
Legend:		Figure 2A Inferred Groundwater Gradient Map (02/01/10) Plains Marketing, L.P. Texaco Skelly "F" Site Lea County, NM NMOCD Ref# 1R-0420		NOVA Safety and Environmental		
Monitor Well Location	0.002 ft/ft Groundwater Gradient Direction & Magnitude	NOVA safety and environmental		May 12, 2010	Scale: 1" = 40'	CAD By: SAT
(3492.54) Groundwater Elevation	Groundwater Elevation Contour Line			Checked By: RKR		



Legend:		Figure 2B Inferred Groundwater Gradient Map (05/04/10) Plains Marketing, L.P. Texaco Skelly "F" Site Lea County, NM NMOCD Ref# 1R-0420		NOVA Safety and Environmental 	
 Monitor Well Location	 0.002 ft/ft Groundwater Gradient Direction & Magnitude				
(3492.54) Groundwater Elevation	 Groundwater Elevation Contour Line				
		June 19, 2010		Scale: 1" = 40'	CAD By: DGC
				Checked By: RKR	



Legend:		Figure 2C Inferred Groundwater Gradient Map (08/03/10) Plains Marketing, L.P. Texaco Skelly "F" Site Lea County, NM NMOCD Ref# 1R-0420		NOVA Safety and Environmental	
Monitor Well Location	0.002 ft/ft Groundwater Gradient Direction & Magnitude	NOVA safety and environmental			
(3492.54) Groundwater Elevation	Groundwater Elevation Contour Line	September 7, 2010 Scale: 1" = 40' CAD By: TA			
		Checked By: RKR			



Legend:

-  Monitor Well Location
-  0.002 ft/ft Groundwater Gradient Direction & Magnitude
-  (3492.54) Groundwater Elevation
-  Groundwater Elevation Contour Line

Figure 2D
Inferred Groundwater
Gradient Map
(11/02/10)
Plains Marketing, L.P.
Texaco Skelly "F" Site
Lea County, NM
NMOCD Ref# 1R-0420

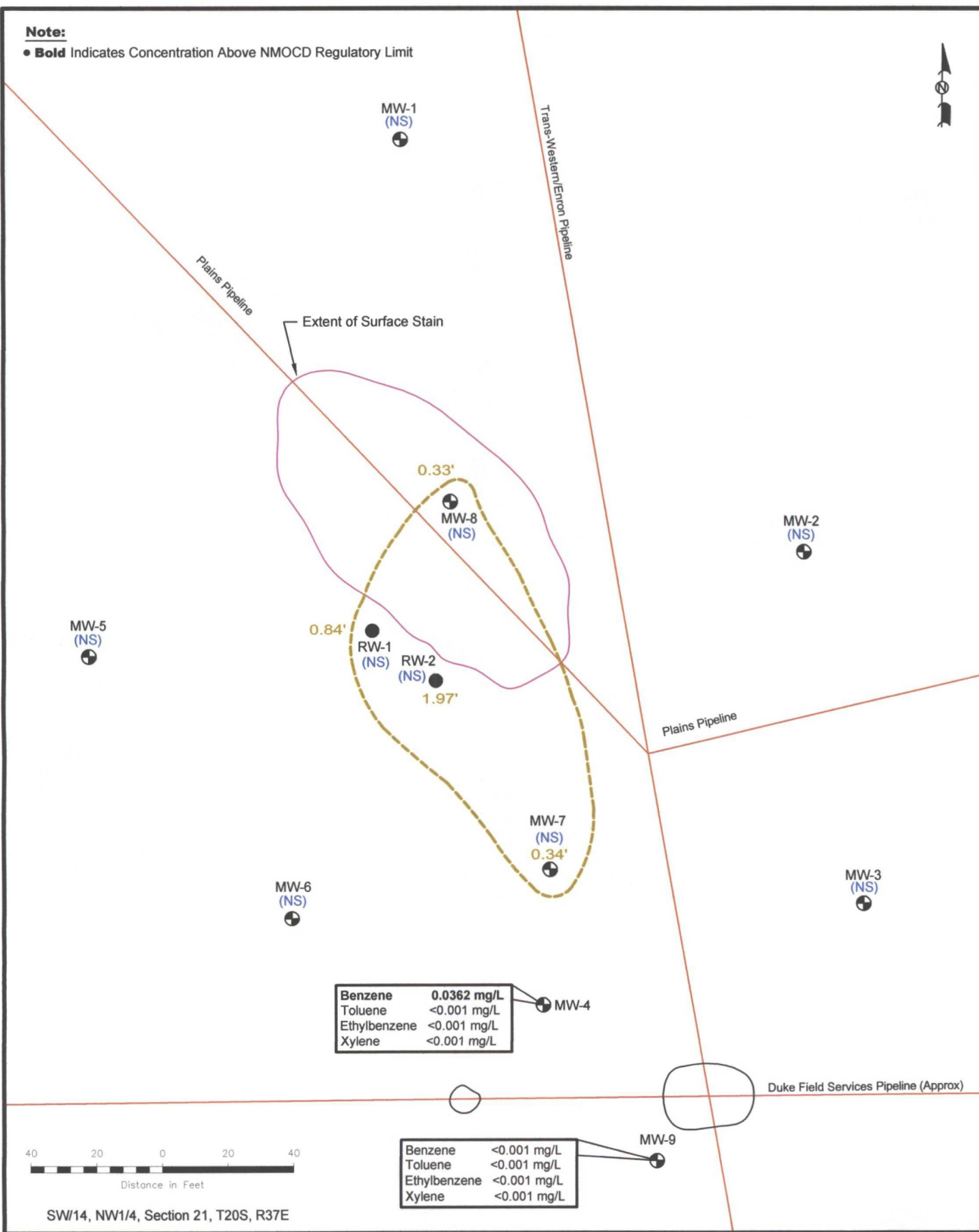
NOVA Safety and Environmental



December 3, 2010	Scale: 1" = 40'	CAD By: TA
		Checked By: RKR

Note:

- **Bold** Indicates Concentration Above NMOCD Regulatory Limit



Legend:

- Product Recovery Well
- ⊕ Monitor Well Location
- Inferred Extent of PSH
- <0.001 Constituent Concentration (mg/L)
- (NS) Not Sampled
- 1.90' Depth of PSH (feet)

Figure 3A
Groundwater Concentration
and Inferred PSH Extent Map
(02/01/10)
Plains Pipeline, L.P.
Texaco Skelly "F" Site
Lea County, New Mexico
NMOCD Ref# 1R-0420

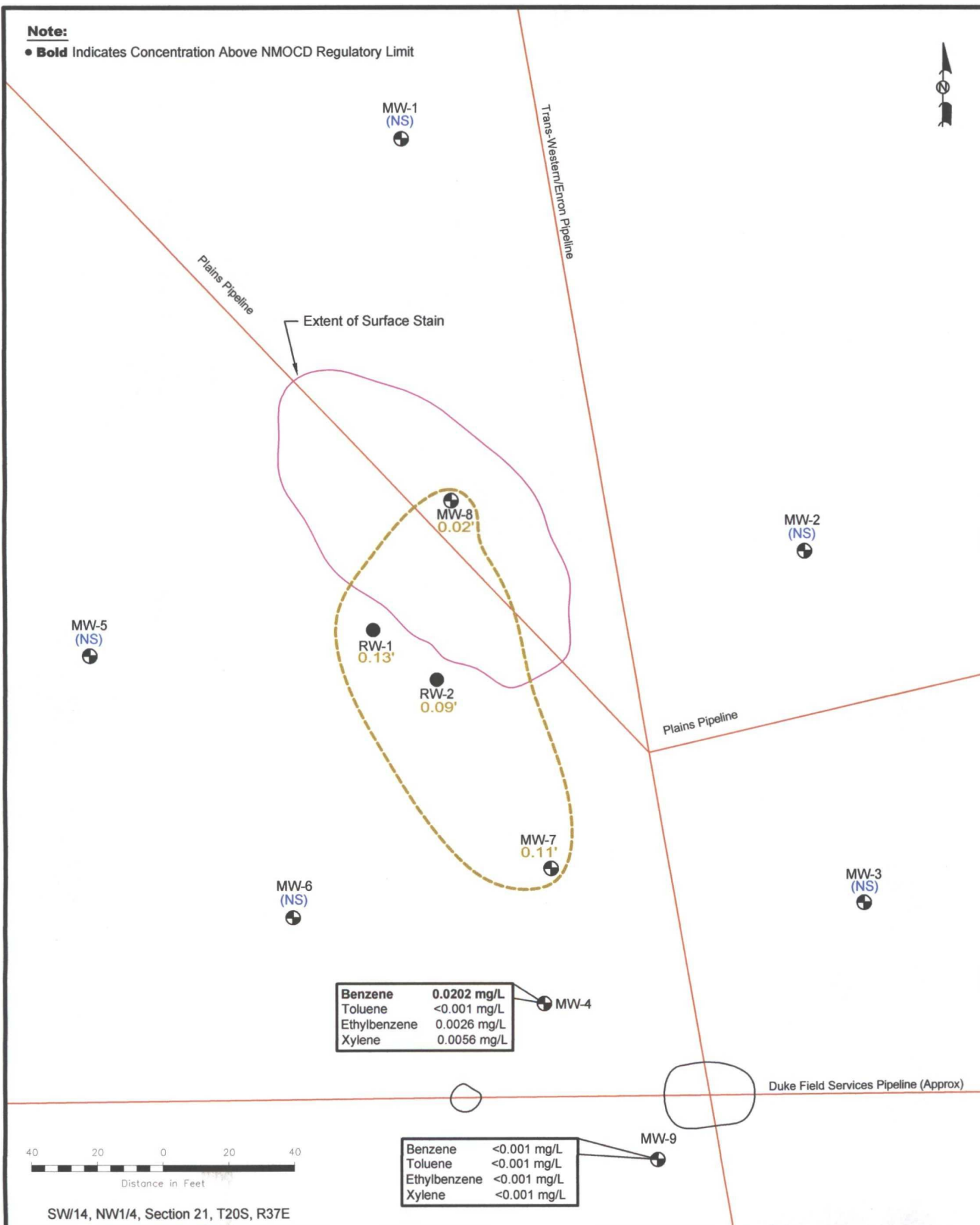


2057 Commerce Drive
Midland, Texas 79703
432.520.7720
www.novasafetyandenvironmental.com

Scale: 1" = 40'	CAD By: SAT	Checked By: CE
May 12, 2010	N 31° 25.326	W 102° 19.435

Note:

- **Bold** Indicates Concentration Above NMOCD Regulatory Limit



Benzene	0.0202 mg/L
Toluene	<0.001 mg/L
Ethylbenzene	0.0026 mg/L
Xylene	0.0056 mg/L

Benzene	<0.001 mg/L
Toluene	<0.001 mg/L
Ethylbenzene	<0.001 mg/L
Xylene	<0.001 mg/L

Legend:

- Product Recovery Well
- ⊕ Monitor Well Location
- Inferred Extent of PSH
- <0.001 Constituent Concentration (mg/L)
- (NS) Not Sampled
- 1.90' Depth of PSH (feet)

Figure 3B
Groundwater Concentration
and Inferred PSH Extent Map
(05/04/10)
Plains Pipeline, L.P.
Texaco Skelly "F" Site
Lea County, New Mexico
NMOCD Ref# 1R-0420

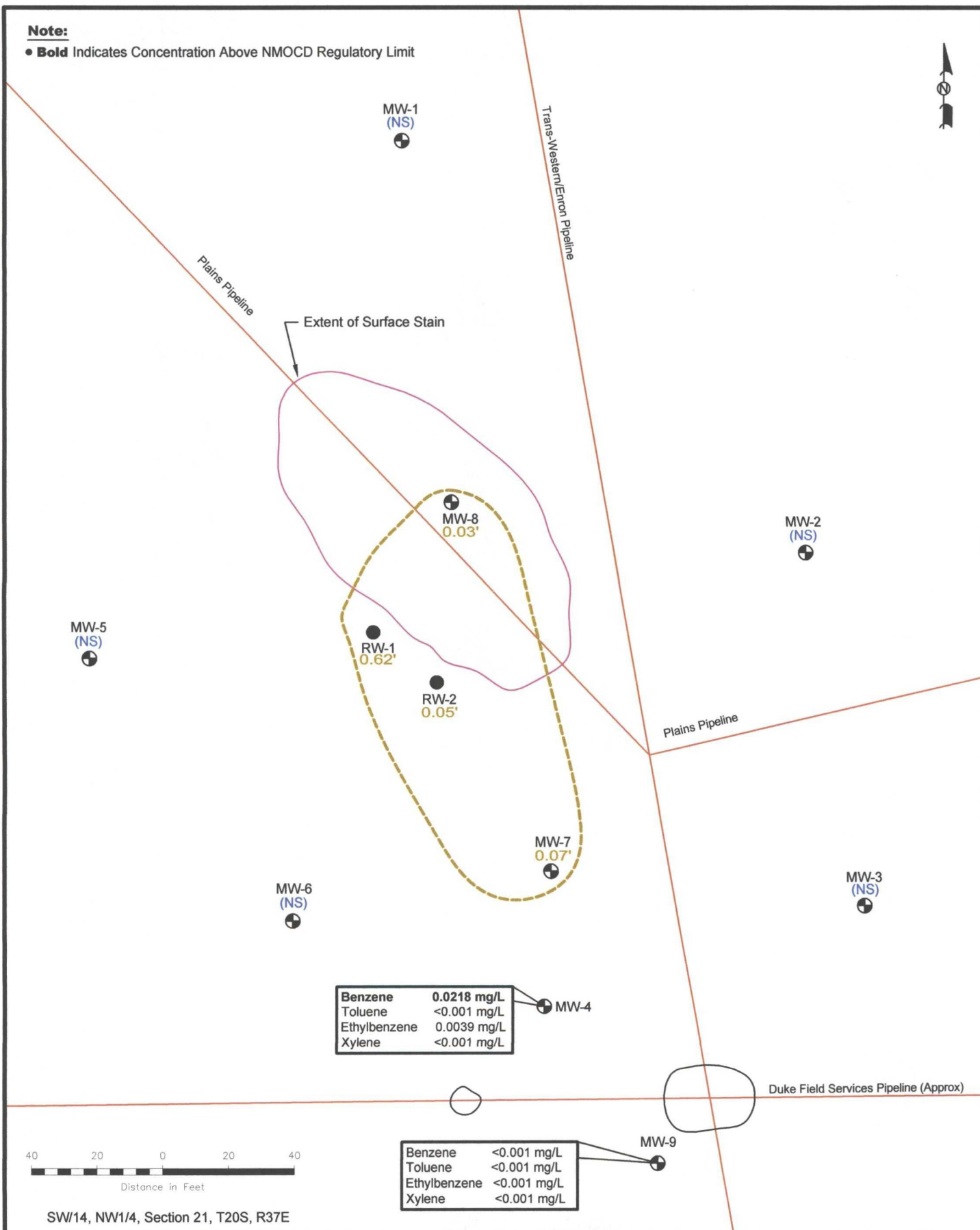


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Scale: 1" = 40' CAD By: DGC Checked By: RKR
June 19, 2010 N 31° 25.326 W 102° 19.435

Note:

- **Bold** Indicates Concentration Above NMOCD Regulatory Limit



Legend:

- Product Recovery Well
- ⊕ Monitor Well Location
- Inferred Extent of PSH
- <0.001 Constituent Concentration (mg/L)
- (NS) Not Sampled
- 1.90' Depth of PSH (feet)

Figure 3C
Groundwater Concentration
and Inferred PSH Extent Map
(08/03/10)
Plains Pipeline, L.P.
Texaco Skelly "F" Site
Lea County, New Mexico
NMOCD Ref# 1R-0420

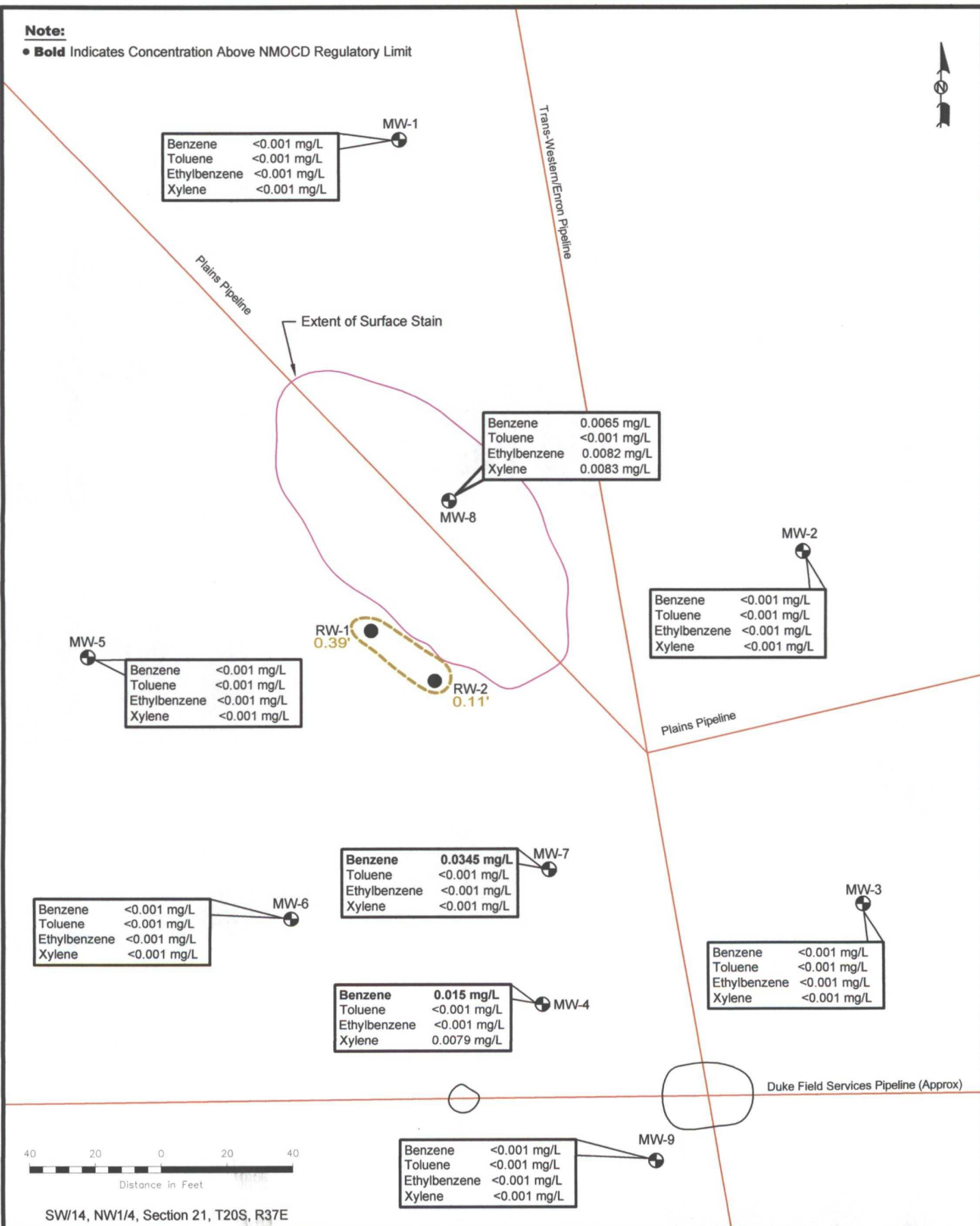


2057 Commerce Drive
Midland, Texas 79703
432.520.7720
www.novasafetyandenvironmental.com

Scale: 1" = 40' CAD By: TA Checked By: RKR
September 7, 2010 N 31° 25.326 W 102° 19.435

Note:

- **Bold** Indicates Concentration Above NMOC Regulatory Limit



Legend:


- Product Recovery Well
- ⊙ Monitor Well Location
- Inferred Extent of PSH
- <0.001 Constituent Concentration (mg/L)
- (NS) Not Sampled
- 1.90' Depth of PSH (feet)

Figure 3D
Groundwater Concentration
and Inferred PSH Extent Map
(11/02/10)
Plains Pipeline, L.P.
Texaco Skelly "F" Site
Lea County, New Mexico
NMOC Ref# 1R-0420



2057 Commerce Drive
Midland, Texas 79703
432.520.7720
www.novasafetyandenvironmental.com

Scale: 1" = 40' CAD By: TA Checked By: RKR
November 8, 2010 N 31° 25.326 W 102° 19.435



Tables

TABLE 1
GROUNDWATER ELEVATION TABLE - 2010

PLAINS MARKETING, L.P.
TEXACO SKELLY F
LEA COUNTY, NM
NMOCD REFERENCE NUMBER 1R-0420

Well Number	Date Measured	Top of Casing Elevation	Depth to product	Depth to Water	PSH thickness	Corrected Groundwater Elevation
MW - 1	01/04/10	3521.04	-	27.28	0.00	3493.76
MW - 1	02/01/10	3521.04	-	26.60	0.00	3494.44
MW - 1	05/04/10	3521.04	-	27.48	0.00	3493.56
MW - 1	08/03/10	3521.04	-	27.48	0.00	3493.56
MW - 1	11/02/10	3521.04	-	27.54	0.00	3493.50
MW - 2	01/04/10	3518.80	-	25.45	0.00	3493.35
MW - 2	02/01/10	3518.80	-	24.72	0.00	3494.08
MW - 2	05/04/10	3518.80	-	25.64	0.00	3493.16
MW - 2	08/03/10	3518.80	-	25.63	0.00	3493.17
MW - 2	11/02/10	3518.80	-	25.69	0.00	3493.11
MW - 3	01/04/10	3520.52	-	27.38	0.00	3493.14
MW - 3	02/01/10	3520.52	-	26.69	0.00	3493.83
MW - 3	05/04/10	3520.52	-	27.60	0.00	3492.92
MW - 3	08/03/10	3520.52	-	27.61	0.00	3492.91
MW - 3	11/02/10	3520.52	-	27.64	0.00	3492.88
MW - 4	01/04/10	3519.91	-	27.79	0.00	3492.12
MW - 4	01/14/10	3519.91	-	27.76	0.00	3492.15
MW - 4	01/19/10	3519.91	-	27.67	0.00	3492.24
MW - 4	01/22/10	3519.91	-	27.65	0.00	3492.26
MW - 4	02/01/10	3519.91	-	27.07	0.00	3492.84
MW - 4	02/04/10	3519.91	-	27.67	0.00	3492.24
MW - 4	02/19/10	3519.91	-	27.54	0.00	3492.37
MW - 4	02/26/10	3519.91	-	27.51	0.00	3492.40
MW - 4	03/01/10	3519.91	-	27.52	0.00	3492.39
MW - 4	03/04/10	3519.91	-	27.47	0.00	3492.44
MW - 4	03/09/10	3519.91	-	27.42	0.00	3492.49
MW - 4	03/11/10	3519.91	-	27.45	0.00	3492.46
MW - 4	03/15/10	3519.91	-	27.39	0.00	3492.52
MW - 4	03/17/10	3519.91	-	27.30	0.00	3492.61
MW - 4	03/22/10	3519.91	-	27.23	0.00	3492.68
MW - 4	03/23/10	3519.91	-	27.27	0.00	3492.64
MW - 4	03/29/10	3519.91	-	28.19	0.00	3491.72
MW - 4	04/05/10	3519.91	-	27.21	0.00	3492.70
MW - 4	04/08/10	3519.91	-	27.11	0.00	3492.80
MW - 4	04/14/10	3519.91	-	27.20	0.00	3492.71
MW - 4	04/16/10	3519.91	-	27.07	0.00	3492.84
MW - 4	04/22/10	3519.91	-	27.11	0.00	3492.80
MW - 4	04/26/10	3519.91	-	27.15	0.00	3492.76
MW - 4	04/28/10	3519.91	-	27.10	0.00	3492.81
MW - 4	04/30/10	3519.91	-	27.14	0.00	3492.77
MW - 4	05/04/10	3519.91	-	27.07	0.00	3492.84

TABLE 1
GROUNDWATER ELEVATION TABLE - 2010

PLAINS MARKETING, L.P.
TEXACO SKELLY F
LEA COUNTY, NM
NMOCD REFERENCE NUMBER 1R-0420

Well Number	Date Measured	Top of Casing Elevation	Depth to product	Depth to Water	PSH thickness	Corrected Groundwater Elevation
MW - 4	05/05/10	3519.91	-	27.00	0.00	3492.91
MW - 4	05/13/10	3519.91	-	27.01	0.00	3492.90
MW - 4	05/14/10	3519.91	-	27.07	0.00	3492.84
MW - 4	05/19/10	3519.91	-	27.03	0.00	3492.88
MW - 4	05/24/10	3519.91	-	27.01	0.00	3492.90
MW - 4	05/28/10	3519.91	-	27.14	0.00	3492.77
MW - 4	06/04/10	3519.91	-	27.03	0.00	3492.88
MW - 4	06/09/10	3519.91	-	27.34	0.00	3492.57
MW - 4	06/10/10	3519.91	-	27.36	0.00	3492.55
MW - 4	06/16/10	3519.91	-	27.41	0.00	3492.50
MW - 4	06/24/10	3519.91	-	27.53	0.00	3492.38
MW - 4	06/29/10	3519.91	-	27.62	0.00	3492.29
MW - 4	07/09/10	3519.91	-	27.30	0.00	3492.61
MW - 4	07/13/10	3519.91	-	27.21	0.00	3492.70
MW - 4	07/19/10	3519.91	-	27.10	0.00	3492.81
MW - 4	07/28/10	3519.91	-	27.01	0.00	3492.90
MW - 4	08/03/10	3519.91	-	27.10	0.00	3492.81
MW - 4	08/04/10	3519.91	-	26.98	0.00	3492.93
MW - 4	08/19/10	3519.91	-	26.94	0.00	3492.97
MW - 4	08/27/10	3519.91	-	26.99	0.00	3492.92
MW - 4	08/31/10	3519.91	-	27.02	0.00	3492.89
MW - 4	09/09/10	3519.91	-	27.09	0.00	3492.82
MW - 4	09/17/10	3519.91	-	26.98	0.00	3492.93
MW - 4	10/01/10	3519.91	-	27.08	0.00	3492.83
MW - 4	10/04/10	3519.91	-	27.06	0.00	3492.85
MW - 4	10/13/10	3519.91	-	27.13	0.00	3492.78
MW - 4	10/19/10	3519.91	-	27.05	0.00	3492.86
MW - 4	10/27/10	3519.91	-	27.04	0.00	3492.87
MW - 4	11/02/10	3519.91	-	27.06	0.00	3492.85
MW - 4	11/05/10	3519.91	-	27.09	0.00	3492.82
MW - 4	11/10/10	3519.91	-	27.20	0.00	3492.71
MW - 4	11/19/10	3519.91	-	27.14	0.00	3492.77
MW - 4	12/01/10	3519.91	-	26.92	0.00	3492.99
MW - 4	12/09/10	3519.91	-	26.91	0.00	3493.00
MW - 4	12/13/10	3519.91	-	27.05	0.00	3492.86
MW - 5	01/04/10	3519.62	-	26.07	0.00	3493.55
MW - 5	02/01/10	3519.62	-	25.46	0.00	3494.16
MW - 5	05/04/10	3519.62	-	26.32	0.00	3493.30
MW - 5	08/03/10	3519.62	-	26.33	0.00	3493.29
MW - 5	11/02/10	3519.62	-	26.38	0.00	3493.24

TABLE 1
GROUNDWATER ELEVATION TABLE - 2010

PLAINS MARKETING, L.P.
TEXACO SKELLY F
LEA COUNTY, NM
NMOCD REFERENCE NUMBER 1R-0420

Well Number	Date Measured	Top of Casing Elevation	Depth to product	Depth to Water	PSH thickness	Corrected Groundwater Elevation
MW - 6	01/04/10	3520.71	-	27.43	0.00	3493.28
MW - 6	02/01/10	3520.71	-	26.73	0.00	3493.98
MW - 6	05/04/10	3520.71	-	27.63	0.00	3493.08
MW - 6	08/03/10	3520.71	-	27.63	0.00	3493.08
MW - 6	11/02/10	3520.71	-	27.68	0.00	3493.03
MW - 7	01/04/10	3521.02	27.71	28.28	0.57	3493.22
MW - 7	01/14/10	3521.02	27.70	28.17	0.47	3493.25
MW - 7	01/19/10	3521.02	27.61	27.94	0.33	3493.36
MW - 7	01/22/10	3521.02	27.60	27.97	0.37	3493.36
MW - 7	02/01/10	3521.02	27.62	27.96	0.34	3493.35
MW - 7	02/04/10	3521.02	27.55	28.04	0.49	3493.40
MW - 7	02/12/10	3521.02	27.50	27.98	0.48	3493.45
MW - 7	02/19/10	3521.02	27.47	27.70	0.23	3493.52
MW - 7	02/26/10	3521.02	27.48	27.67	0.19	3493.51
MW - 7	03/01/10	3521.02	27.48	27.66	0.18	3493.51
MW - 7	03/04/10	3521.02	27.43	27.62	0.19	3493.56
MW - 7	03/09/10	3521.02	27.41	27.61	0.20	3493.58
MW - 7	03/11/10	3521.02	27.40	27.60	0.20	3493.59
MW - 7	03/15/10	3521.02	27.35	27.58	0.23	3493.64
MW - 7	03/17/10	3521.02	27.26	27.44	0.18	3493.73
MW - 7	03/22/10	3521.02	27.18	27.39	0.21	3493.81
MW - 7	03/23/10	3521.02	27.23	27.42	0.19	3493.76
MW - 7	03/29/10	3521.02	27.13	27.34	0.21	3493.86
MW - 7	04/05/10	3521.02	27.16	27.34	0.18	3493.83
MW - 7	04/08/10	3521.02	27.12	27.25	0.13	3493.88
MW - 7	04/14/10	3521.02	27.22	27.35	0.13	3493.78
MW - 7	04/16/10	3521.02	27.15	27.30	0.15	3493.85
MW - 7	04/22/10	3521.02	27.08	27.23	0.15	3493.92
MW - 7	04/26/10	3521.02	27.12	27.28	0.16	3493.88
MW - 7	04/28/10	3521.02	27.09	27.19	0.10	3493.92
MW - 7	04/30/10	3521.02	27.07	27.17	0.10	3493.94
MW - 7	05/04/10	3521.02	26.94	27.05	0.11	3493.97
MW - 7	05/05/10	3521.02	-	26.97	0.00	3494.05
MW - 7	05/13/10	3521.02	-	26.95	0.00	3494.07
MW - 7	05/14/10	3521.02	-	27.03	0.00	3493.99
MW - 7	05/19/10	3521.02	-	26.94	0.00	3494.08
MW - 7	05/24/10	3521.02	-	26.96	0.00	3494.06
MW - 7	05/28/10	3521.02	-	27.12	0.00	3493.90
MW - 7	06/04/10	3521.02	-	26.95	0.00	3494.07
MW - 7	06/09/10	3521.02	-	27.32	0.00	3493.70
MW - 7	06/10/10	3521.02	-	27.30	0.00	3493.72
MW - 7	06/16/10	3521.02	-	27.38	0.00	3493.64

TABLE 1
GROUNDWATER ELEVATION TABLE - 2010

PLAINS MARKETING, L.P.
TEXACO SKELLY F
LEA COUNTY, NM
NMOCD REFERENCE NUMBER 1R-0420

Well Number	Date Measured	Top of Casing Elevation	Depth to product	Depth to Water	PSH thickness	Corrected Groundwater Elevation
MW - 7	06/24/10	3521.02	-	27.50	0.00	3493.52
MW - 7	06/29/10	3521.02	27.58	27.61	0.03	3493.44
MW - 7	07/09/10	3521.02	27.28	27.30	0.02	3493.74
MW - 7	07/13/10	3521.02	27.17	27.20	0.03	3493.85
MW - 7	07/19/10	3521.02	27.00	27.07	0.07	3494.01
MW - 7	07/28/10	3521.02	26.92	26.98	0.06	3494.09
MW - 7	08/03/10	3521.02	26.88	26.95	0.07	3494.07
MW - 7	08/04/10	3521.02	26.88	26.92	0.04	3494.13
MW - 7	08/19/10	3521.02	-	26.94	0.00	3494.08
MW - 7	08/27/10	3521.02	-	26.96	0.00	3494.06
MW - 7	08/31/10	3521.02	-	26.98	0.00	3494.04
MW - 7	09/09/10	3521.02	-	27.07	0.00	3493.95
MW - 7	09/17/10	3521.02	-	26.95	0.00	3494.07
MW - 7	10/01/10	3521.02	-	27.07	0.00	3493.95
MW - 7	10/04/10	3521.02	-	27.05	0.00	3493.97
MW - 7	10/13/10	3521.02	-	27.10	0.00	3493.92
MW - 7	10/19/10	3521.02	-	27.07	0.00	3493.95
MW - 7	10/27/10	3521.02	-	27.07	0.00	3493.95
MW - 7	11/02/10	3521.02	-	27.08	0.00	3493.94
MW - 7	11/05/10	3521.02	-	27.06	0.00	3493.96
MW - 7	11/10/10	3521.02	-	27.14	0.00	3493.88
MW - 7	11/19/10	3521.02	-	27.16	0.00	3493.86
MW - 7	12/01/10	3521.02	-	26.97	0.00	3494.05
MW - 7	12/09/10	3521.02	-	26.89	0.00	3494.13
MW - 7	12/13/10	3521.02	-	27.07	0.00	3493.95
MW - 8	01/04/10	3519.78	26.19	26.60	0.41	3493.53
MW - 8	01/14/10	3519.78	26.15	26.74	0.59	3493.54
MW - 8	01/19/10	3519.78	26.10	26.44	0.34	3493.63
MW - 8	01/22/10	3519.78	26.08	26.47	0.39	3493.64
MW - 8	02/01/10	3519.78	26.11	26.44	0.33	3493.62
MW - 8	02/04/10	3519.78	26.06	26.69	0.63	3493.63
MW - 8	02/12/10	3519.78	26.06	26.43	0.37	3493.66
MW - 8	02/19/10	3519.78	25.96	26.34	0.38	3493.76
MW - 8	02/26/10	3519.78	25.97	26.33	0.36	3493.76
MW - 8	03/01/10	3519.78	25.98	26.17	0.19	3493.77
MW - 8	03/04/10	3519.78	25.95	26.10	0.15	3493.81
MW - 8	03/09/10	3519.78	25.89	26.07	0.18	3493.86
MW - 8	03/11/10	3519.78	25.89	25.99	0.10	3493.88
MW - 8	03/15/10	3519.78	25.83	25.91	0.08	3493.94
MW - 8	03/17/10	3519.78	25.72	25.76	0.04	3494.05
MW - 8	03/22/10	3519.78	25.69	25.76	0.07	3494.08
MW - 8	03/23/10	3519.78	25.73	25.80	0.07	3494.04
MW - 8	03/29/10	3519.78	25.64	25.69	0.05	3494.13

TABLE 1
GROUNDWATER ELEVATION TABLE - 2010

PLAINS MARKETING, L.P.
TEXACO SKELLY F
LEA COUNTY, NM
NMOCD REFERENCE NUMBER 1R-0420

Well Number	Date Measured	Top of Casing Elevation	Depth to product	Depth to Water	PSH thickness	Corrected Groundwater Elevation
MW - 8	04/05/10	3519.78	-	25.70	0.00	3494.08
MW - 8	04/08/10	3519.78	-	25.60	0.00	3494.18
MW - 8	04/14/10	3519.78	-	25.68	0.00	3494.10
MW - 8	04/16/10	3519.78	-	25.63	0.00	3494.15
MW - 8	04/22/10	3519.78	-	25.61	0.00	3494.17
MW - 8	04/26/10	3519.78	-	25.64	0.00	3494.14
MW - 8	04/28/10	3519.78	25.59	25.61	0.02	3494.19
MW - 8	04/30/10	3519.78	25.56	25.59	0.03	3494.22
MW - 8	05/04/10	3519.78	25.52	25.54	0.02	3494.24
MW - 8	05/05/10	3519.78	-	25.45	0.00	3494.33
MW - 8	05/13/10	3519.78	-	25.47	0.00	3494.31
MW - 8	05/14/10	3519.78	-	25.51	0.00	3494.27
MW - 8	05/19/10	3519.78	-	25.46	0.00	3494.32
MW - 8	05/24/10	3519.78	-	25.44	0.00	3494.34
MW - 8	05/28/10	3519.78	-	25.62	0.00	3494.16
MW - 8	06/04/10	3519.78	-	25.46	0.00	3494.32
MW - 8	06/09/10	3519.78	-	25.79	0.00	3493.99
MW - 8	06/10/10	3519.78	-	25.82	0.00	3493.96
MW - 8	06/16/10	3519.78	-	25.88	0.00	3493.90
MW - 8	06/24/10	3519.78	-	26.02	0.00	3493.76
MW - 8	06/29/10	3519.78	-	26.11	0.00	3493.67
MW - 8	07/09/10	3519.78	-	25.79	0.00	3493.99
MW - 8	07/13/10	3519.78	-	25.66	0.00	3494.12
MW - 8	07/19/10	3519.78	25.53	25.55	0.02	3494.25
MW - 8	07/28/10	3519.78	25.41	25.44	0.03	3494.37
MW - 8	08/03/10	3519.78	25.40	25.43	0.03	3494.35
MW - 8	08/04/10	3519.78	25.41	25.42	0.01	3494.37
MW - 8	08/19/10	3519.78	-	25.41	0.00	3494.37
MW - 8	08/27/10	3519.78	-	25.44	0.00	3494.34
MW - 8	08/31/10	3519.78	-	25.42	0.00	3494.36
MW - 8	09/09/10	3519.78	-	25.56	0.00	3494.22
MW - 8	09/17/10	3519.78	-	25.43	0.00	3494.35
MW - 8	10/01/10	3519.78	-	25.56	0.00	3494.22
MW - 8	10/04/10	3519.78	-	25.58	0.00	3494.20
MW - 8	10/13/10	3519.78	-	25.58	0.00	3494.20
MW - 8	10/19/10	3519.78	-	25.59	0.00	3494.19
MW - 8	10/27/10	3519.78	-	25.60	0.00	3494.18
MW - 8	11/02/10	3519.78	-	25.63	0.00	3494.15
MW - 8	11/05/10	3519.78	-	25.53	0.00	3494.25
MW - 8	11/10/10	3519.78	-	25.61	0.00	3494.17
MW - 8	11/19/10	3519.78	-	25.58	0.00	3494.20
MW - 8	12/01/10	3519.78	-	25.45	0.00	3494.33
MW - 8	12/09/10	3519.78	-	25.48	0.00	3494.30
MW - 8	12/13/10	3519.78	-	25.64	0.00	3494.14

TABLE 1

GROUNDWATER ELEVATION TABLE - 2010

PLAINS MARKETING, L.P.
 TEXACO SKELLY F
 LEA COUNTY, NM
 NMOCD REFERENCE NUMBER 1R-0420

Well Number	Date Measured	Top of Casing Elevation	Depth to product	Depth to Water	PSH thickness	Corrected Groundwater Elevation
MW - 9	01/04/10		-	27.19	0.00	
MW - 9	02/01/10		-	26.53	0.00	
MW - 9	05/04/10		-	26.42	0.00	
MW - 9	08/03/10		-	26.42	0.00	
MW - 9	11/02/10		-	27.45	0.00	
RW - 1	01/04/10	3519.68	26.76	26.84	0.08	3492.91
RW - 1	02/01/10	3519.68	26.21	27.05	0.84	3493.34
RW - 1	02/04/10	3519.68	26.08	26.92	0.84	3493.47
RW - 1	02/12/10	3519.68	26.02	26.45	0.43	3493.60
RW - 1	02/19/10	3519.68	25.92	26.24	0.32	3493.71
RW - 1	02/26/10	3519.68	25.96	26.32	0.36	3493.67
RW - 1	03/01/10	3519.68	25.98	26.19	0.21	3493.67
RW - 1	03/04/10	3519.68	25.92	26.10	0.18	3493.73
RW - 1	03/09/10	3519.68	25.84	26.03	0.19	3493.81
RW - 1	03/11/10	3519.68	25.86	25.96	0.10	3493.81
RW - 1	03/15/10	3519.68	25.85	25.92	0.07	3493.82
RW - 1	03/17/10	3519.68	25.70	25.81	0.11	3493.96
RW - 1	03/22/10	3519.68	25.69	25.85	0.16	3493.97
RW - 1	03/23/10	3519.68	25.72	25.95	0.23	3493.93
RW - 1	03/29/10	3519.68	25.59	25.91	0.32	3494.04
RW - 1	04/05/10	3519.68	25.62	25.90	0.28	3494.02
RW - 1	04/08/10	3519.68	25.58	25.72	0.14	3494.08
RW - 1	04/14/10	3519.68	25.64	25.88	0.24	3494.00
RW - 1	04/16/10	3519.68	25.50	25.64	0.14	3494.16
RW - 1	04/22/10	3519.68	25.52	25.70	0.18	3494.13
RW - 1	04/26/10	3519.68	25.58	25.76	0.18	3494.07
RW - 1	04/28/10	3519.68	25.88	25.98	0.10	3493.79
RW - 1	04/30/10	3519.68	25.55	25.65	0.10	3494.12
RW - 1	05/04/10	3519.68	25.51	25.64	0.13	3494.15
RW - 1	05/05/10	3519.68	25.42	25.65	0.23	3494.23
RW - 1	05/13/10	3519.68	25.44	25.65	0.21	3494.21
RW - 1	05/14/10	3519.68	25.51	25.64	0.13	3494.15
RW - 1	05/19/10	3519.68	25.43	25.66	0.23	3494.22
RW - 1	05/24/10	3519.68	25.43	25.65	0.22	3494.22
RW - 1	05/28/10	3519.68	25.58	25.76	0.18	3494.07
RW - 1	06/04/10	3519.68	25.47	25.57	0.10	3494.20
RW - 1	06/09/10	3519.68	25.80	25.84	0.04	3493.87
RW - 1	06/10/10	3519.68	25.76	25.88	0.12	3493.90
RW - 1	06/16/10	3519.68	25.86	25.95	0.09	3493.81
RW - 1	06/24/10	3519.68	25.98	26.03	0.05	3493.69
RW - 1	06/29/10	3519.68	26.05	26.34	0.29	3493.59
RW - 1	07/09/10	3519.68	25.61	26.36	0.75	3493.96
RW - 1	07/13/10	3519.68	25.61	26.25	0.64	3493.97

TABLE 1
GROUNDWATER ELEVATION TABLE - 2010

PLAINS MARKETING, L.P.
TEXACO SKELLY F
LEA COUNTY, NM
NMOCD REFERENCE NUMBER 1R-0420

Well Number	Date Measured	Top of Casing Elevation	Depth to product	Depth to Water	PSH thickness	Corrected Groundwater Elevation
RW - 1	07/19/10	3519.68	25.44	26.20	0.76	3494.13
RW - 1	07/28/10	3519.68	25.37	26.20	0.83	3494.19
RW - 1	08/03/10	3519.68	25.47	26.09	0.62	3494.12
RW - 1	08/04/10	3519.68	25.31	26.00	0.69	3494.27
RW - 1	08/19/10	3519.68	25.31	26.11	0.80	3494.25
RW - 1	08/27/10	3519.68	25.36	26.02	0.66	3494.22
RW - 1	08/31/10	3519.68	25.40	26.03	0.63	3494.19
RW - 1	09/17/10	3519.68	25.44	26.08	0.64	3494.14
RW - 1	10/13/10	3519.68	25.47	26.09	0.62	3494.12
RW - 1	11/02/10	3519.68	25.63	26.29	0.66	3493.95
RW - 1	11/05/10	3519.68	25.48	26.01	0.53	3494.12
RW - 1	11/10/10	3519.68	25.50	26.50	1.00	3494.03
RW - 1	11/19/10	3519.68	25.52	26.47	0.95	3494.02
RW - 1	12/01/10	3519.68	25.47	26.01	0.54	3494.13
RW - 1	12/09/10	3519.68	25.40	26.05	0.65	3494.18
RW - 2	01/04/10	3520.24	26.87	28.10	1.23	3493.19
RW - 2	02/01/10	3520.24	26.84	28.81	1.97	3493.10
RW - 2	02/04/10	3520.24	26.62	28.67	2.05	3493.31
RW - 2	02/12/10	3520.24	26.56	27.73	1.17	3493.50
RW - 2	02/19/10	3520.24	26.57	27.66	1.09	3493.51
RW - 2	02/26/10	3520.24	26.51	27.56	1.05	3493.57
RW - 2	03/01/10	3520.24	26.61	27.00	0.39	3493.57
RW - 2	03/04/10	3520.24	26.51	26.89	0.38	3493.67
RW - 2	03/09/10	3520.24	26.44	26.95	0.51	3493.72
RW - 2	03/11/10	3520.24	26.48	26.72	0.24	3493.72
RW - 2	03/15/10	3520.24	26.53	26.95	0.42	3493.65
RW - 2	03/17/10	3520.24	26.35	26.47	0.12	3493.87
RW - 2	03/22/10	3520.24	26.39	26.56	0.17	3493.82
RW - 2	03/23/10	3520.24	26.37	26.60	0.23	3493.84
RW - 2	03/29/10	3520.24	26.24	26.50	0.26	3493.96
RW - 2	04/05/10	3520.24	26.29	26.45	0.16	3493.93
RW - 2	04/08/10	3520.24	26.19	26.30	0.11	3494.03
RW - 2	04/14/10	3520.24	26.24	26.52	0.28	3493.96
RW - 2	04/16/10	3520.24	26.14	26.22	0.08	3494.09
RW - 2	04/22/10	3520.24	26.16	26.43	0.27	3494.04
RW - 2	04/26/10	3520.24	26.18	26.48	0.30	3494.02
RW - 2	04/28/10	3520.24	26.74	26.98	0.24	3493.46
RW - 2	04/30/10	3520.24	26.19	26.29	0.10	3494.04
RW - 2	05/04/10	3520.24	26.18	26.27	0.09	3494.05
RW - 2	05/05/10	3520.24	26.09	26.18	0.09	3494.14
RW - 2	05/13/10	3520.24	26.12	26.24	0.12	3494.10
RW - 2	05/14/10	3520.24	26.15	26.25	0.10	3494.08

TABLE 1
GROUNDWATER ELEVATION TABLE - 2010

PLAINS MARKETING, L.P.
TEXACO SKELLY F
LEA COUNTY, NM
NMOCD REFERENCE NUMBER 1R-0420

Well Number	Date Measured	Top of Casing Elevation	Depth to product	Depth to Water	PSH thickness	Corrected Groundwater Elevation
RW - 2	05/19/10	3520.24	26.14	26.25	0.11	3494.08
RW - 2	05/24/10	3520.24	26.14	26.26	0.12	3494.08
RW - 2	05/28/10	3520.24	26.16	26.82	0.66	3493.98
RW - 2	06/04/10	3520.24	26.18	26.20	0.02	3494.06
RW - 2	06/09/10	3520.24	26.36	26.72	0.36	3493.83
RW - 2	06/10/10	3520.24	26.30	26.51	0.21	3493.91
RW - 2	06/16/10	3520.24	26.48	26.60	0.12	3493.74
RW - 2	06/24/10	3520.24	26.51	26.75	0.24	3493.69
RW - 2	06/29/10	3520.24	26.70	26.85	0.15	3493.52
RW - 2	07/09/10	3520.24	21.41	21.44	0.03	3498.83
RW - 2	07/13/10	3520.24	26.29	26.34	0.05	3493.94
RW - 2	07/19/10	3520.24	26.17	26.25	0.08	3494.06
RW - 2	07/28/10	3520.24	26.08	26.19	0.11	3494.14
RW - 2	08/03/10	3520.24	26.21	26.26	0.05	3494.02
RW - 2	08/04/10	3520.24	26.03	26.18	0.15	3494.19
RW - 2	08/19/10	3520.24	26.02	26.22	0.20	3494.19
RW - 2	08/27/10	3520.24	26.05	26.25	0.20	3494.16
RW - 2	08/31/10	3520.24	26.08	26.29	0.21	3494.13
RW - 2	09/17/10	3520.24	26.06	26.23	0.17	3494.15
RW - 2	10/13/10	3520.24	26.18	26.46	0.28	3494.02
RW - 2	11/02/10	3520.24	26.65	26.76	0.11	3493.57
RW - 2	11/05/10	3520.24	26.13	26.42	0.29	3494.07
RW - 2	11/10/10	3520.24	26.17	27.14	0.97	3493.92
RW - 2	11/19/10	3520.24	26.13	27.06	0.93	3493.97
RW - 2	12/01/10	3520.24	26.04	26.19	0.15	3494.18
RW - 2	12/09/10	3520.24	26.04	26.20	0.16	3494.18

** Complete Historical Tables are provided on the attached CD.*

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER-2010

PLAINS MARKETING, L.P.
 TEXACO SKELLY "F"
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER 1R-0420

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA Method SW 846-8021B				
		BENZENE	TOLUENE	ETHYL-BENZENE	m - p XYLENES	o - XYLENE
NMOCD Regulatory Limit		0.010	0.75	0.75	Total XYLENES	
					0.62	
MW - 1	02/01/10	Not Sampled on Current Sample Schedule				
MW - 1	05/04/10	Not Sampled on Current Sample Schedule				
MW - 1	08/03/10	Not Sampled on Current Sample Schedule				
MW - 1	11/02/10	<0.001	<0.001	<0.001	<0.001	
MW - 2	02/01/10	Not Sampled on Current Sample Schedule				
MW - 2	05/04/10	Not Sampled on Current Sample Schedule				
MW - 2	08/03/10	Not Sampled on Current Sample Schedule				
MW - 2	11/02/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/01/10	Not Sampled on Current Sample Schedule				
MW - 3	05/04/10	Not Sampled on Current Sample Schedule				
MW - 3	08/03/10	Not Sampled on Current Sample Schedule				
MW - 3	11/02/10	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/01/10	0.0362	<0.001	<0.001	<0.001	
MW - 4	05/04/10	0.0202	<0.001	0.0026	0.0056	
MW - 4	08/03/10	0.0218	<0.001	0.0039	<0.001	
MW - 4	11/02/10	0.0150	<0.001	<0.001	0.0079	
MW - 5	02/01/10	Not Sampled on Current Sample Schedule				
MW - 5	05/04/10	Not Sampled on Current Sample Schedule				
MW - 5	08/03/10	Not Sampled on Current Sample Schedule				
MW - 5	11/02/10	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/01/10	Not Sampled on Current Sample Schedule				
MW - 6	05/04/10	Not Sampled on Current Sample Schedule				
MW - 6	08/03/10	Not Sampled on Current Sample Schedule				
MW - 6	11/02/10	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/01/10	Not sampled Due to PSH in Well				
MW - 7	05/04/10	Not sampled Due to PSH in Well				
MW - 7	08/03/10	Not sampled Due to PSH in Well				
MW - 7	11/02/10	0.0345	<0.001	<0.001	<0.001	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER-2010

PLAINS MARKETING, L.P.
 TEXACO SKELLY "F"
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER 1R-0420

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA Method SW 846-8021B				
		BENZENE	TOLUENE	ETHYL-BENZENE	m - p XYLENES	o - XYLENE
NMOCD Regulatory Limit		0.010	0.75	0.75	Total XYLENES	
					0.62	
MW - 8	02/01/10	Not sampled Due to PSH in Well				
MW - 8	05/04/10	Not sampled Due to PSH in Well				
MW - 8	08/03/10	Not sampled Due to PSH in Well				
MW - 8	11/02/10	0.0065	<0.001	0.0082	0.0083	
MW - 9	02/01/10	<0.001	<0.001	<0.001	<0.001	
MW - 9	05/04/10	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/03/10	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/02/10	<0.001	<0.001	<0.001	<0.001	
RW - 1	02/01/10	Not sampled Due to PSH in Well				
RW - 1	05/04/10	Not sampled Due to PSH in Well				
RW - 1	08/03/10	Not sampled Due to PSH in Well				
RW - 1	11/02/10	Not sampled Due to PSH in Well				
RW - 2	02/01/10	Not sampled Due to PSH in Well				
RW - 2	05/04/10	Not sampled Due to PSH in Well				
RW - 2	08/03/10	Not sampled Due to PSH in Well				
RW - 2	11/02/10	Not sampled Due to PSH in Well				

* Complete Historical Tables are provided on the attached CD.

POLYCYCLIC AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TEXACO SKELLY "F"
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER IR-0420

[illegible]

POLYCYCLIC AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TEXACO SKELLY "F"
LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER 1R-0420

All water concentrations are reported in mg/L

EPA SW846-8270C, 3510

[illegible]



Appendices

Appendix A
Release Notification and Corrective Action
(Form 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 Pipeline, LP	Contact:	Camille Reynolds
Address:	3705 E. Hwy 158, Midland, TX 79706	Telephone No.	505-441-0965
Facility Name	Texaco Skelly F	Facility Type:	4" Steel Pipeline
Surface Owner:	Millard Deck Estate	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
G	21	20S	37E					Lea

Latitude 32 degrees 33' 48.02" Longitude 103 degrees 15' 48.08"

NATURE OF RELEASE

Type of Release:	Crude Oil	Volume of Release:	30	Volume Recovered	0
Source of Release:	4" Steel Pipeline	Date and Hour of Occurrence	09/15/1998	Date and Hour of Discovery	09/15/1998 02:00 PM
Was Immediate Notice Given?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Donna Williams		
By Whom?	Frank Hernandez	Date and Hour	02/02/01 02:30 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.*					
Describe Cause of Problem and Remedial Action Taken.* Internal corrosion of 4" steel pipeline. Forty feet of the line was replaced.					
Describe Area Affected and Cleanup Action Taken.* Forty feet of the line was replaced. The aerial extent of surface impact was approximately 30' x 100'. NOTE: This information was obtained from historical EOTT files, Plains acquired EOTT/Link on April 1, 2004 and Plains assumes this information to be correct.					
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: Camille Reynolds		Approved by District Supervisor:			
Title: Remediation Coordinator		Approval Date:		Expiration Date:	
E-mail Address: cjreynolds@paalp.com		Conditions of Approval:		Attached <input type="checkbox"/>	
Date: 3/21/2005		Phone: (505)441-0965			

* Attach Additional Sheets If Necessary