

1R - 123

REPORT

DATE:

2006



PLAINS
ALL AMERICAN

1R-123
Report
2006

March 30, 2007

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

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

Dear Mr. Stone:

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:

TNM 97-17	Section 21, Township 20 South, Range 37 East, Lea County
TNM 97-18	Section 28, Township 20 South, Range 37 East, Lea County
TNM 98-05A	Section 26, Township 21 South, Range 37 East, Lea County
TNM 98-05B	Section 26, Township 21 South, Range 37 East, Lea County
TNM 97-04	Section 11, Township 16 South, Range 35 East, Lea County
Texaco Skelly "F"	Section 21, Township 20 South, Range 37 East, Lea County
Darr Angell #2	Section 14, Township 15 South, Range 37 East, Lea County
LF-59	Section 32, Township 19 South, Range 37 East, Lea County
SPS-11	Section 18, Township 18 South, Range 36 East, Lea County
Monument #10	Section 32, Township 19 South, Range 37 East, Lea County
Monument #17	Section 29, Township 19 South, Range 37 East, Lea County
Monument #18	Section 7, Township 20 South, Range 37 East, Lea County
Lea Station to Monument 6"	Section 5, Township 20 South, Range 37 East, Lea County
34 Junction South Station	Section 2, Township 17 South, Range 36 East, Lea County
Bob Durham	Section 32, Township 19 South, Range 37 East, Lea County
Darr Angell #1	Section 11, Township 15 South, Range 37 East, Lea County
Darr Angell #4	Sections 2 and 11, Township 15 South, Range 37 East, Lea County
HDO 90-23	Section 6, Township 20 South, Range 37 East, Lea County
Junction 34 to Lea	Section 21, Township 20 South, Range 37 East, Lea County
Monument #2	Section 6, Township 20 South, Range 37 East, Lea County
Monument Barber 10" Sour	Section 32, Township 19 South, Range 37 East, Lea County
Monument #11	Section 30, Township 19 South, Range 37 East, Lea County
Red Byrd #1	Section 1, Township 20 South, Range 36 East, Lea County

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 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,

A handwritten signature in black ink that reads "Camille Reynolds". The signature is fluid and cursive, with the first name "Camille" written in a larger, more prominent script than the last name "Reynolds".

Camille Reynolds
Remediation Coordinator
Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosures



2006
ANNUAL MONITORING REPORT

MONUMENT 17
SE ¼ NW ¼ of SECTION 29, TOWNSHIP 19 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS EMS NUMBER: TNM MONUMENT-17-KNOWN
NMOCD REFERENCE: 1R-123

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, 2007


Curt D. Stanley
Project Manager

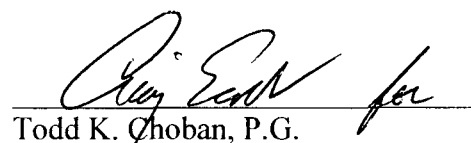

Todd K. Choban, P.G.
Vice President Technical Services

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Figure 2A – Inferred Groundwater Gradient Map – March 7, 2006

2B – Inferred Groundwater Gradient Map – June 6, 2006

2C – Inferred Groundwater Gradient Map – September 12, 2006

2D – Inferred Groundwater Gradient Map – December 13, 2006

Figure 3A – Groundwater Concentration and Inferred PSH Extent Map – March 7, 2006

3B – Groundwater Concentration and Inferred PSH Extent Map – June 6, 2006

3C – Groundwater Concentration and Inferred PSH Extent Map – September 12, 2006

3D – Groundwater Concentration and Inferred PSH Extent Map – December 13, 2006

TABLES

Table 1 – 2006 Groundwater Elevation Data

Table 2 – 2006 Concentrations of Benzene and BTEX in Groundwater

APPENDICES

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

ENCLOSED ON DATA DISK

2006 Annual Monitoring Report

2006 Tables 1 and 2 - Groundwater Elevation and BTEX Concentration Data

2006 Figures 1, 2A-2D, and 3A-3D

Electronic Copies of Laboratory Reports

Historic Table 1 and 2 - Groundwater Elevation and BTEX 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 Monument 17 site (the site) were assumed by NOVA. The site was previously managed by Environmental Technology Group, Inc (ETGI). 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 2006 only. Historic data tables as well as 2006 laboratory analytical reports are provided on the enclosed disk. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during each quarterly sampling event of 2006 to assess the levels and extent of dissolved phase constituents and the presence of 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 feet were not sampled.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The legal description of the site is SE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 29, Township 19 South, Range 37 East. No Information with respect to the release date, volume of crude oil released or recovered, excavation volumes, or pipeline repair is currently available as the release occurred while the pipeline was operated by Texas New Mexico Pipeline Company (TNM). The Release Notification and Corrective Action Form (C-141) is provided as Appendix A. The initial site investigation, consisting of the installation of eight (8) groundwater monitor wells (MW-1 through MW-8), was performed by previous consultants.

Currently, there are eight (8) groundwater monitor wells (MW 1 through 5 and MW 7 through 9) present on site.

FIELD ACTIVITIES

Monitor wells MW-1 and MW-3 exhibited a sheen during two groundwater gauging events in the 4th quarter of the reporting period. Monitor well MW-7 was the only well on site to exhibit a sheen throughout the 2006 reporting period. The remaining monitor wells did not exhibit measurable thicknesses of PSH at any time during the reporting period. No measurable PSH was recovered from the site during the 2006 reporting period.

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 in NMOCD correspondence dated June 21, 2005:

NMOCD Approved Sampling Schedule					
MW-1	Quarterly	MW-4	Semi-Annual	MW-7	Quarterly
MW-2	Quarterly	MW-5	Annually	MW-8	Annually
MW-3	Quarterly	MW-6	Plugged and Abandoned	MW-9	Quarterly

The site monitor wells were gauged and sampled on March 7, June 6, September 12, and December 13, 2006. During each sampling event, sampled monitor wells were purged of approximately 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 obtained using disposable Teflon samplers. Water samples were collected in clean, glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of by Key Energy of Hobbs, New Mexico utilizing a licensed disposal facility (NMOCD AO SWD-730).

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during the four (4) quarterly monitoring events, are depicted on Figures 2A through 2D, the Inferred Groundwater Gradient Maps. Groundwater elevation data for 2006 is provided as Table 1. Historic groundwater elevation data is presented on the enclosed disk.

The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.002 feet/foot to the southeast as measured between groundwater monitor wells MW-8 and MW-9. This is consistent with data presented on Figures 2A through 2C from earlier in the year. The corrected groundwater elevation has ranged from 3586.54 to 3590.32 feet above mean sea level, in monitor well MW-1 on August 9, 2006 and monitor well MW-5 on September 12, 2006, respectively.

LABORATORY RESULTS

Groundwater samples collected during the 2006 monitoring activities were delivered to Trace Analysis, Inc., Lubbock, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method SW846-8021b. A listing of BTEX constituent concentrations for 2006 is summarized in Table 2 and electronic copies of the laboratory reports generated during this reporting period are provided on the enclosed disk. The inferred extent of PSH on site and quarterly groundwater sampling results for benzene, toluene, ethylbenzene and xylene concentrations are depicted on Figures 3A through 3D.

Monitor well MW-1 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0058 mg/L during the 4th quarter 2006 to 0.0626 mg/L during the 2nd quarter 2006. Benzene concentrations were above the NMOCD regulatory standard of 0.01 mg/L during three (3) of the four (4) quarters of 2006. Toluene concentrations were below the laboratory method detection limit (MDL) of <0.001 mg/L during all four (4) quarters of the reporting period. Toluene concentrations were below the NMOCD regulatory standard of 0.75 mg/L during all four (4) quarters of 2006. Ethylbenzene concentrations ranged from <0.001 during the 4th quarter to 0.0283 mg/L during the 2nd quarter. Ethylbenzene concentrations were below the NMOCD regulatory standard of 0.75 mg/L during all four (4) quarters of 2006.

Xylene concentrations ranged from <0.001 mg/L during the 4th quarter to 0.0157 during the 2nd quarter of 2006. Xylene concentrations were below the NMOCD regulatory standard of 0.62 mg/L during all four (4) quarters.

Monitor well MW-2 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0022 mg/L during the 4th quarter 2006 to 0.0132 mg/L during the 3rd quarter of 2006. Benzene concentrations were above the NMOCD regulatory standard of 0.01 mg/L during one (1) of the four (4) quarters. Toluene concentrations were below the MDL of <0.001 mg/L during all four (4) quarters of the reporting period. Toluene concentrations were below the NMOCD regulatory standard of 0.75 mg/L during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from <0.001 during the 1st, 2nd and 4th quarters to 0.00130 mg/L during the 3rd quarter of 2006. Ethylbenzene concentrations were below the NMOCD regulatory standard of 0.75 mg/L during all four (4) quarters. Xylene concentrations were below MDL and NMOCD regulatory standard during all four (4) quarters of 2006.

Monitor well MW-3 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0085 mg/L during the 4th quarter 2006 to 0.168 mg/L during the 3rd quarter 2006. Benzene concentrations were above the NMOCD regulatory standard of 0.01 mg/L during three (3) of the four (4) quarters. Toluene concentrations were below the MDL and NMOCD regulatory standard during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from <0.001 during the 2nd quarter to 0.00260 mg/L during the 1st quarter. Ethylbenzene concentrations were below the NMOCD regulatory standard of 0.75 mg/L during all four (4) quarters. Xylene concentrations ranged from >0.001 during the 2nd quarter to 0.00180 mg/L during the 1st quarter. Xylene concentrations were below the NMOCD regulatory standard during all four (4) quarters of 2006.

Monitor well MW-4 is sampled on a semi-annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each constituent during the 2nd and 4th quarter sampling events.

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 constituent during 4th quarter sampling event.

Monitor well MW-7 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each constituent during all four (4) sampling events.

Monitor well MW-8 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each constituent during the 4th quarter sampling event.

Monitor well MW-9 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from <0.001 mg/L during the 1st and 2nd quarters of 2006 to 0.130 mg/L during the 3rd quarter 2006. Benzene concentrations were above the NMOCD regulatory standard of 0.01 mg/L during two (2) of the four (4) quarters of 2006. Toluene concentrations were below the MDL of <0.001 mg/L during all four (4) quarters of the reporting period. Toluene concentrations were below the NMOCD regulatory standard of 0.75 mg/L during all four (4) quarters of 2006. Ethylbenzene concentrations ranged from <0.001 mg/L during the 1st, 2nd and 4th quarters to 0.02 mg/L during the 3rd quarter. Ethylbenzene concentrations were below

the NMOCD regulatory standard of 0.75 mg/L during all four (4) quarters of 2006. Xylene concentrations ranged from <0.001 mg/L during the 1st and 4th quarters to 0.029 mg/L during the 3rd quarter. Xylene concentrations were below the NMOCD regulatory standard of 0.62 mg/L during all four (4) quarters of 2006.

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 2006 annual monitoring period. Currently, there are eight (8) groundwater monitor wells present at the site. Monthly gauging of monitor well MW-7 indicated a sheen during the reporting period. The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.002 feet/foot to the southeast. This is consistent with data presented on Figures 2A-2C from earlier in the year.

No measurable amount of PSH was recovered from the site during the 2006 reporting period.

A review of the laboratory analytical results for groundwater samples obtained during the reporting period and gauging data collected throughout the year indicates benzene concentrations were above applicable NMOCD regulatory standards in four (4) of the eight (8) monitor wells at some time during the reporting period. All other sample locations exhibited BTEX constituent concentrations below the applicable NMOCD regulatory standard for the reporting period.

Hydrocarbon sheen appears to be limited to monitor well MW-7 at this time. Dissolved phase hydrocarbon impact has decreased throughout the reporting period and the historic trend is toward decreasing benzene and BTEX constituent concentrations.

ANTICIPATED ACTIONS

Monitor well gauging and groundwater sampling will continue in 2007.

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 Ben Stone
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
- Copy 2: Larry Johnson and Paul Sheeley
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1625 French Drive
Hobbs, NM 88240
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Lovington, NM
cjreynolds@paalp.com
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jpdann@paalp.com
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2057 Commerce Street
Midland, TX 79703
cstanley@novatraining.cc

FIGURES

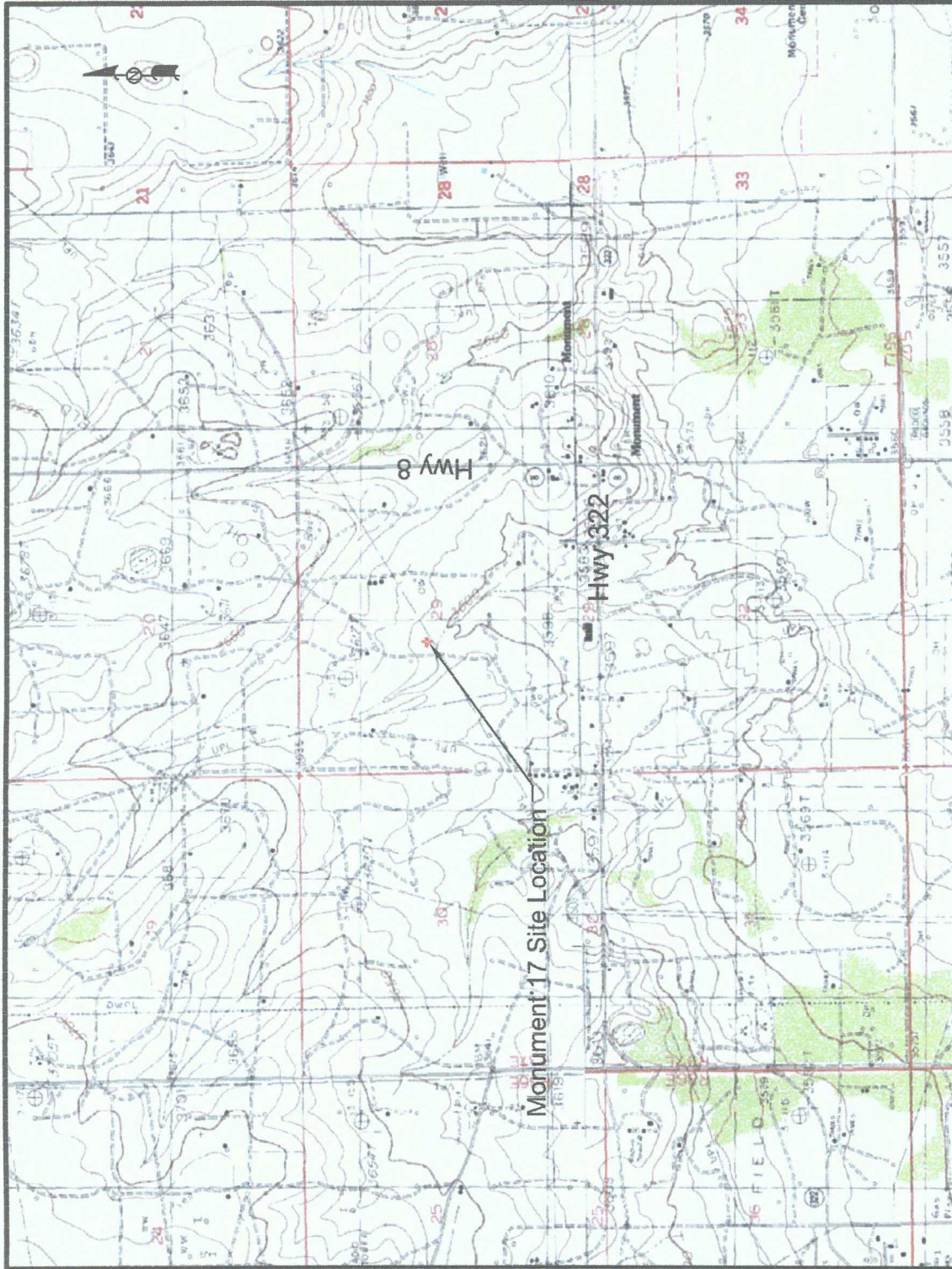
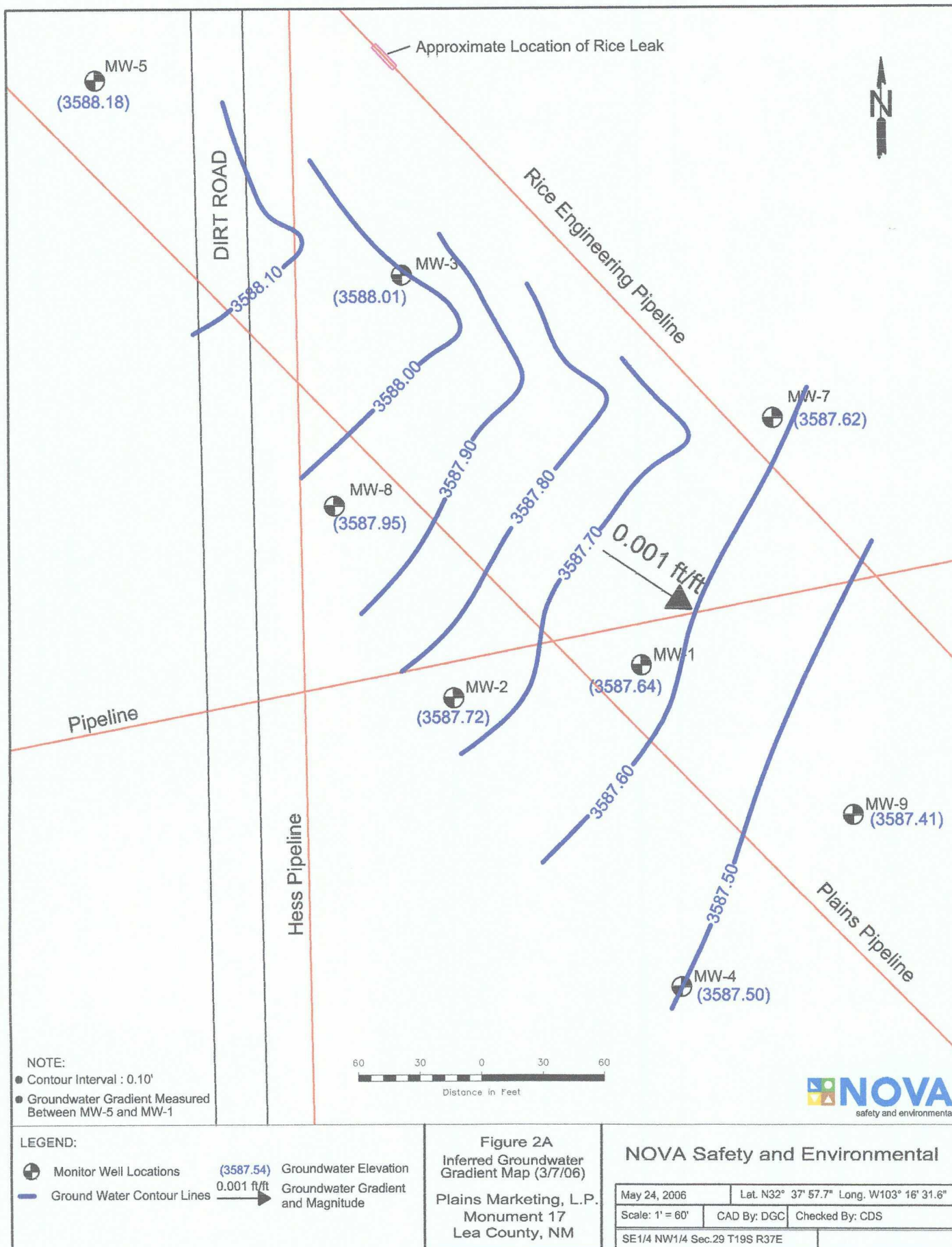
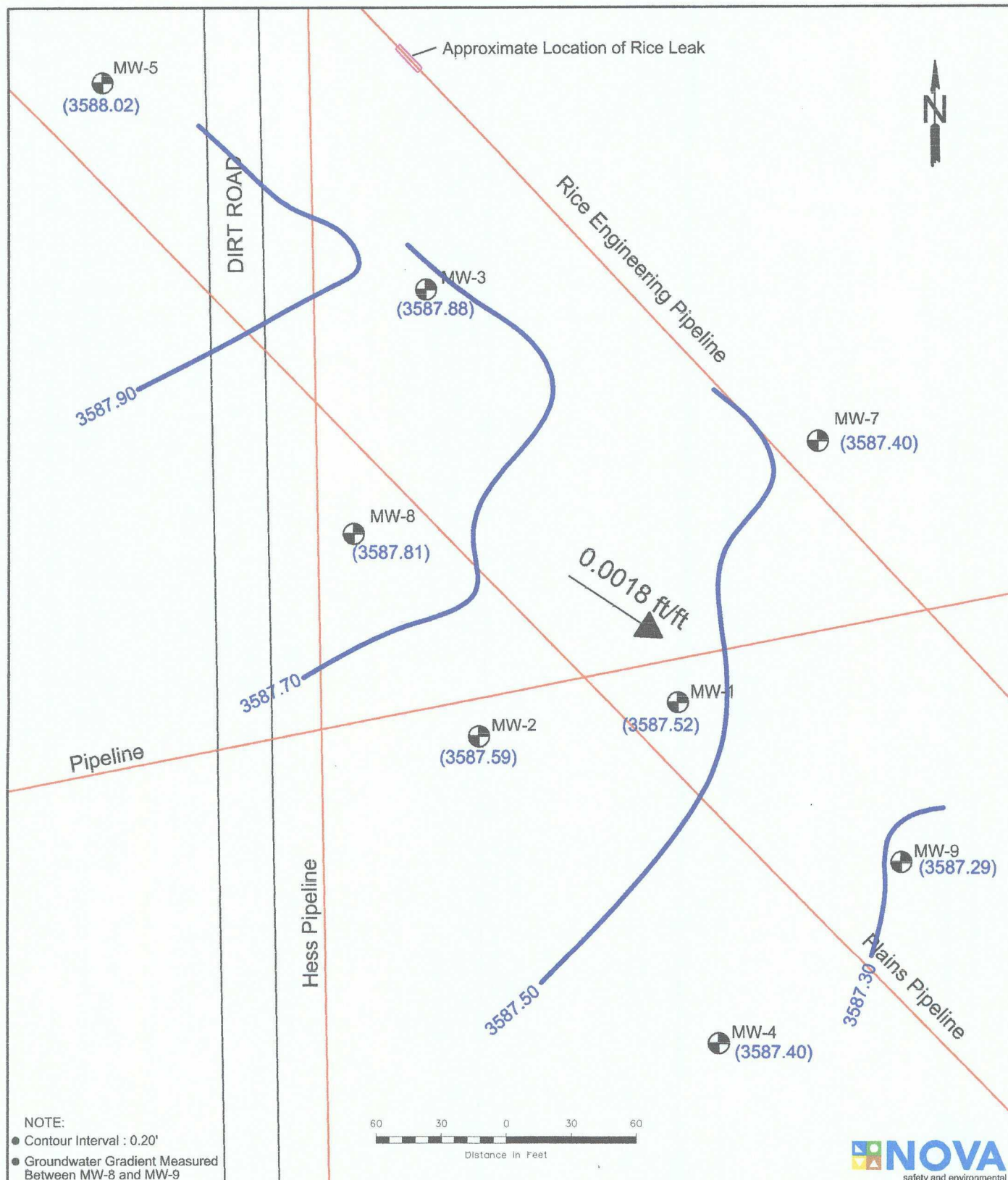


Figure 1
Site Location Map
Plains Marketing, L.P.
Monument 17
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = .5 Miles
Prep By: CDE
Checked By: TNC
February 17, 2003
Section 29 Township 19S Range 37E
32° 37' 57"N 103° 16' 31"W





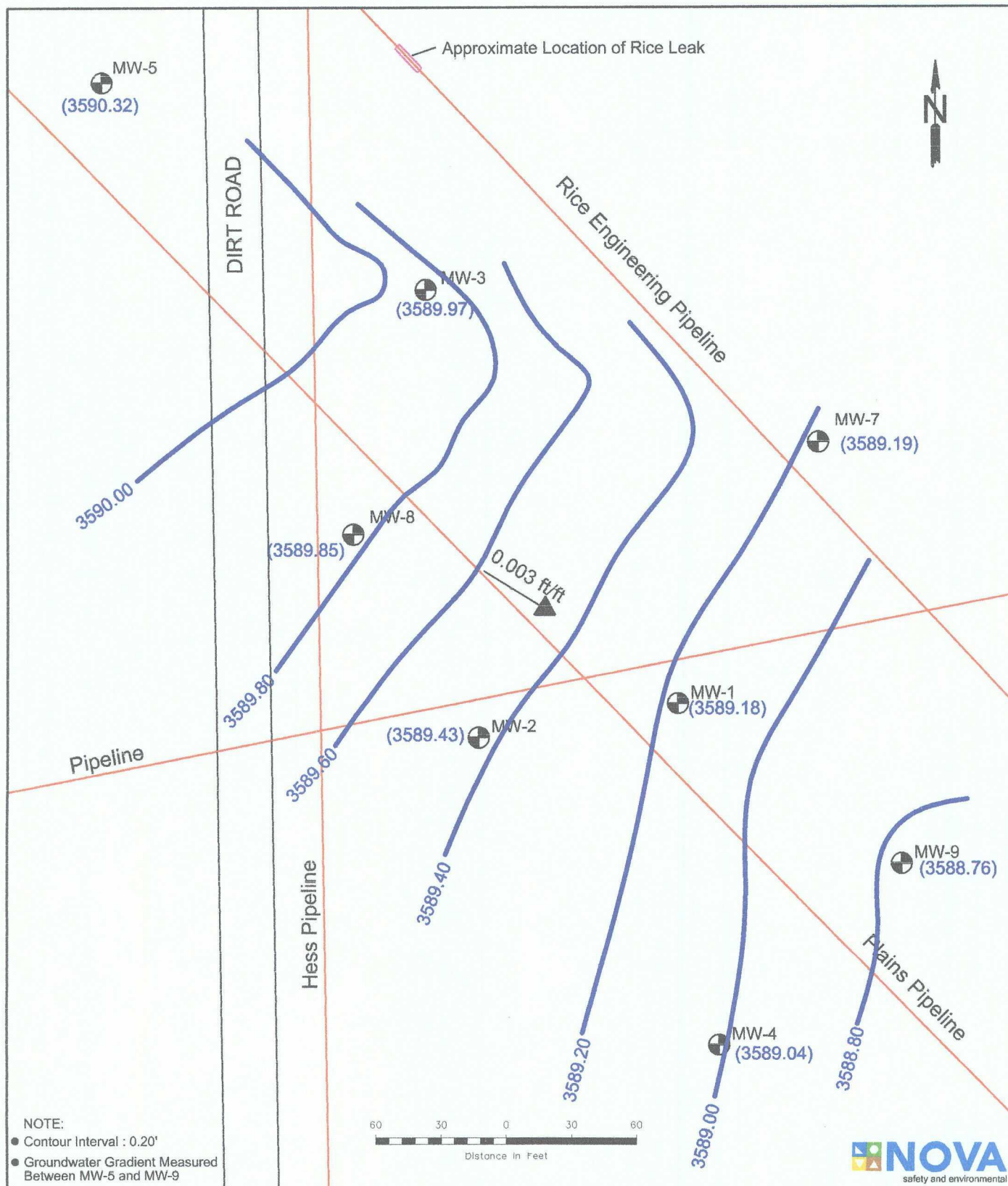
LEGEND:



- Monitor Well Locations
 Ground Water Contour Lines
 (3587.54) Groundwater Elevation
0.001 ft/ft Groundwater Gradient and Magnitude

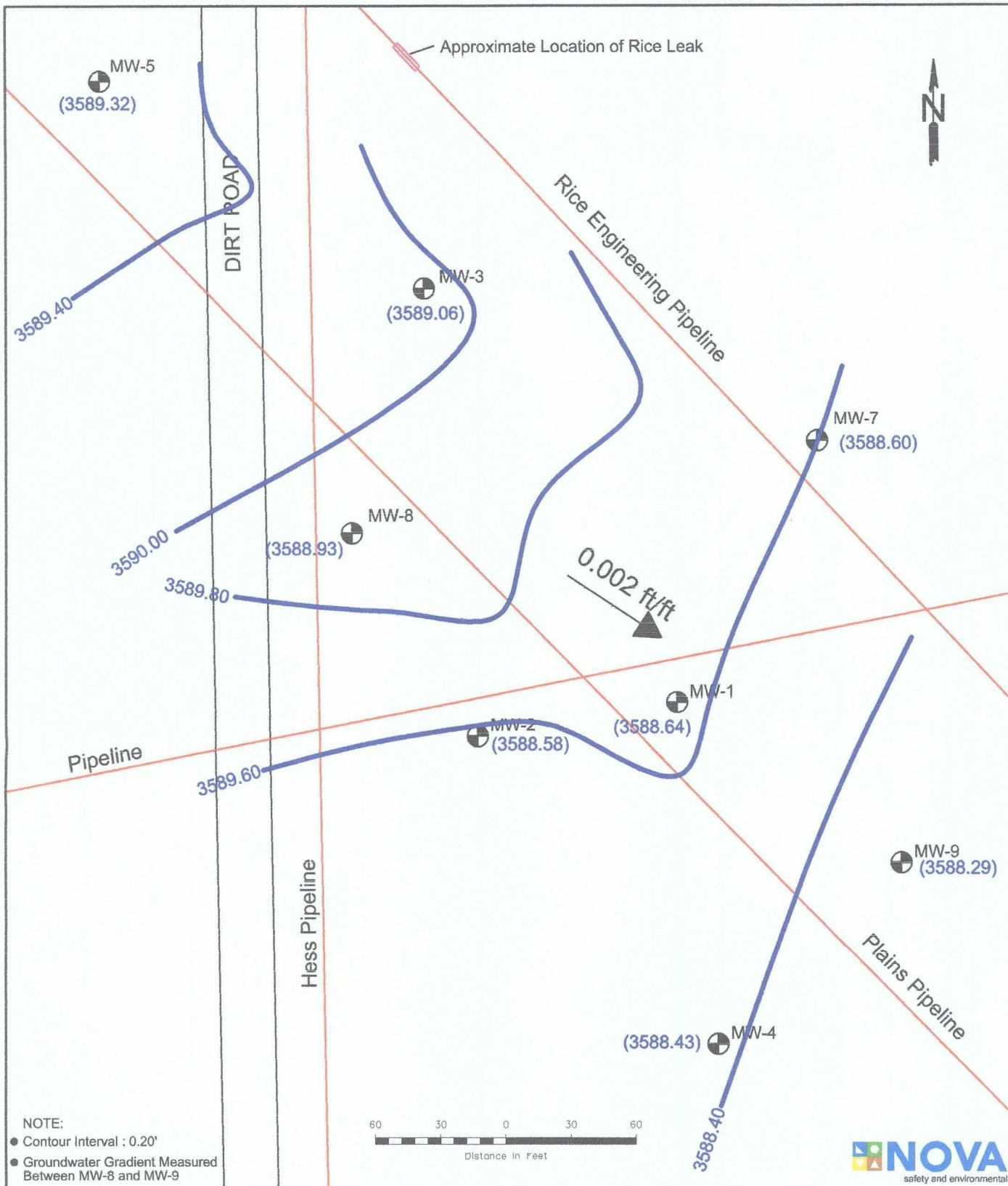
Figure 2B
Inferred Groundwater
Gradient Map (6/6/06)
Plains Marketing, L.P.
Monument 17
Lea County, NM



NOVA Safety and Environmental

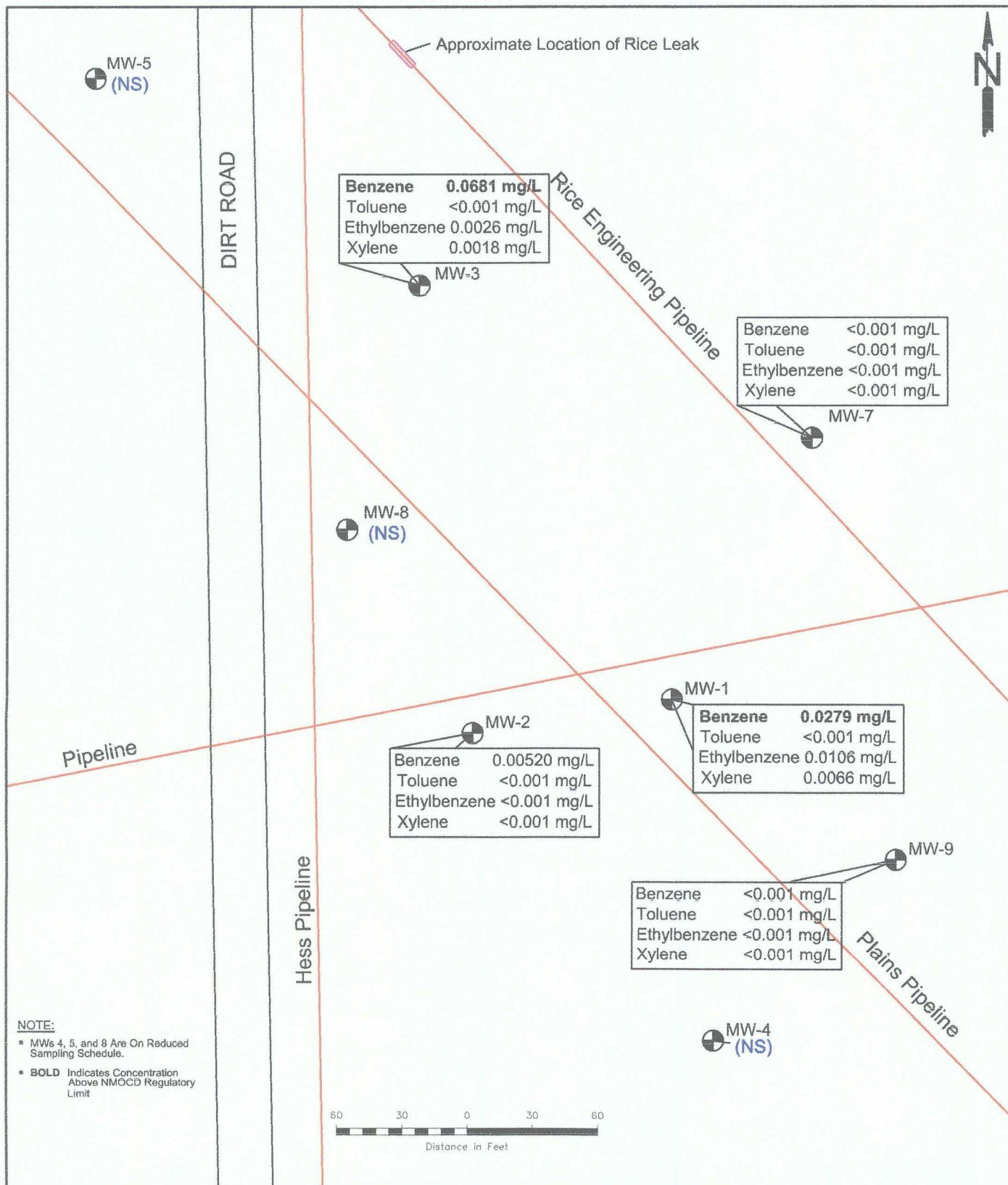
June 23, 2006	Lat. N32° 37' 57.7" Long. W103° 16' 31.6"
Scale: 1" = 60'	CAD By: DGC
SE1/4 NW1/4 Sec.29 T19S R37E	Checked By: CDS



LEGEND:		Figure 2C Inferred Groundwater Gradient Map (9/12/06) Plains Marketing, L.P. Monument 17 Lea County, NM		NOVA Safety and Environmental										
	Monitor Well Locations	(3587.54)	Groundwater Elevation	<table border="1"><tr><td>October 10, 2006</td><td colspan="2">Lat. N32° 37' 57.7" Long. W103° 16' 31.6"</td></tr><tr><td>Scale: 1" = 60'</td><td>CAD By: DGC</td><td>Checked By: CDS</td></tr><tr><td colspan="3">SE1/4 NW1/4 Sec.29 T19S R37E</td></tr></table>		October 10, 2006	Lat. N32° 37' 57.7" Long. W103° 16' 31.6"		Scale: 1" = 60'	CAD By: DGC	Checked By: CDS	SE1/4 NW1/4 Sec.29 T19S R37E		
October 10, 2006	Lat. N32° 37' 57.7" Long. W103° 16' 31.6"													
Scale: 1" = 60'	CAD By: DGC	Checked By: CDS												
SE1/4 NW1/4 Sec.29 T19S R37E														
	Ground Water Contour Lines	0.001 ft/ft	Groundwater Gradient and Magnitude											



LEGEND:		Figure 2D Inferred Groundwater Gradient Map (12/13/06) Plains Marketing, L.P. Monument 17 Lea County, NM	NOVA Safety and Environmental	
 Monitor Well Locations	(3587.54) 0.001 ft/ft		January 5, 2006	Lat. N32° 37' 57.7" Long. W103° 16' 31.6"
 Ground Water Contour Lines	Groundwater Elevation Groundwater Gradient and Magnitude	Scale: 1" = 60'	CAD By: DGC	Checked By: CDS
		SE1/4 NW1/4 Sec.29 T19S R37E		



LEGEND:

- Monitor Well Location
- Plugged and Abandoned Well Location
- Pipeline
- <0.001 Constituent Concentration (mg/L)
- (NS) Not Sampled

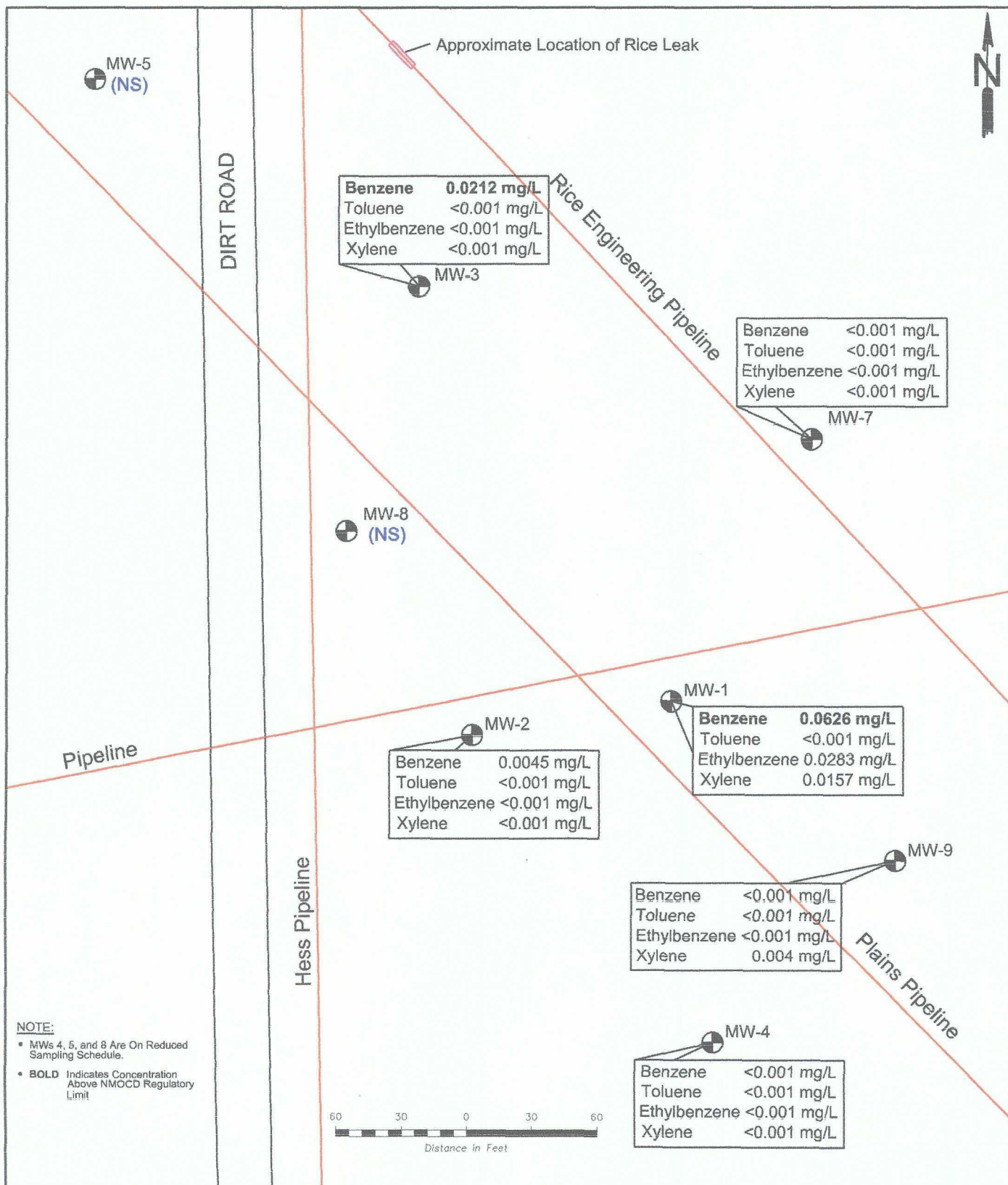
Figure 3A
Groundwater Concentration
and Inferred PSH Extent
Map (03-07-06)

Plains Marketing, L.P.
Monument 17
Lea County, NM

NOVA Safety and Environmental



May 22, 2006		Lat. N32° 37' 57.7" Long. W103° 16' 31.6"	
Scale: 1' = 60'	CAD By: DGC	Checked By: CDS	
SE1/4 NW1/4 Sec.29 T19S R37E			



Benzene 0.0212 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L

MW-3

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

MW-7

MW-8
(NS)

MW-2

Benzene 0.0045 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L

MW-1

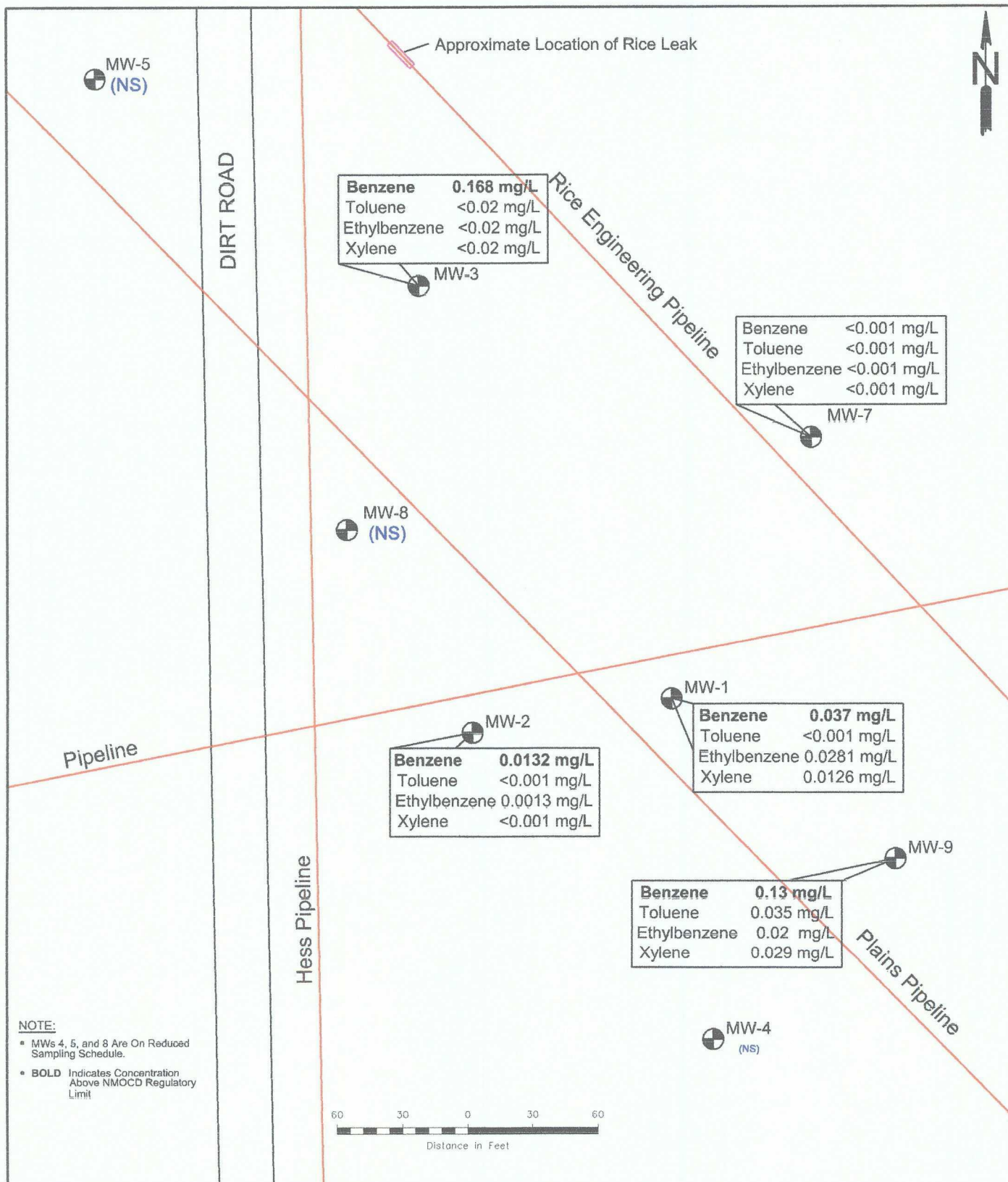
Benzene 0.0626 mg/L
Toluene <0.001 mg/L
Ethylbenzene 0.0283 mg/L
Xylene 0.0157 mg/L

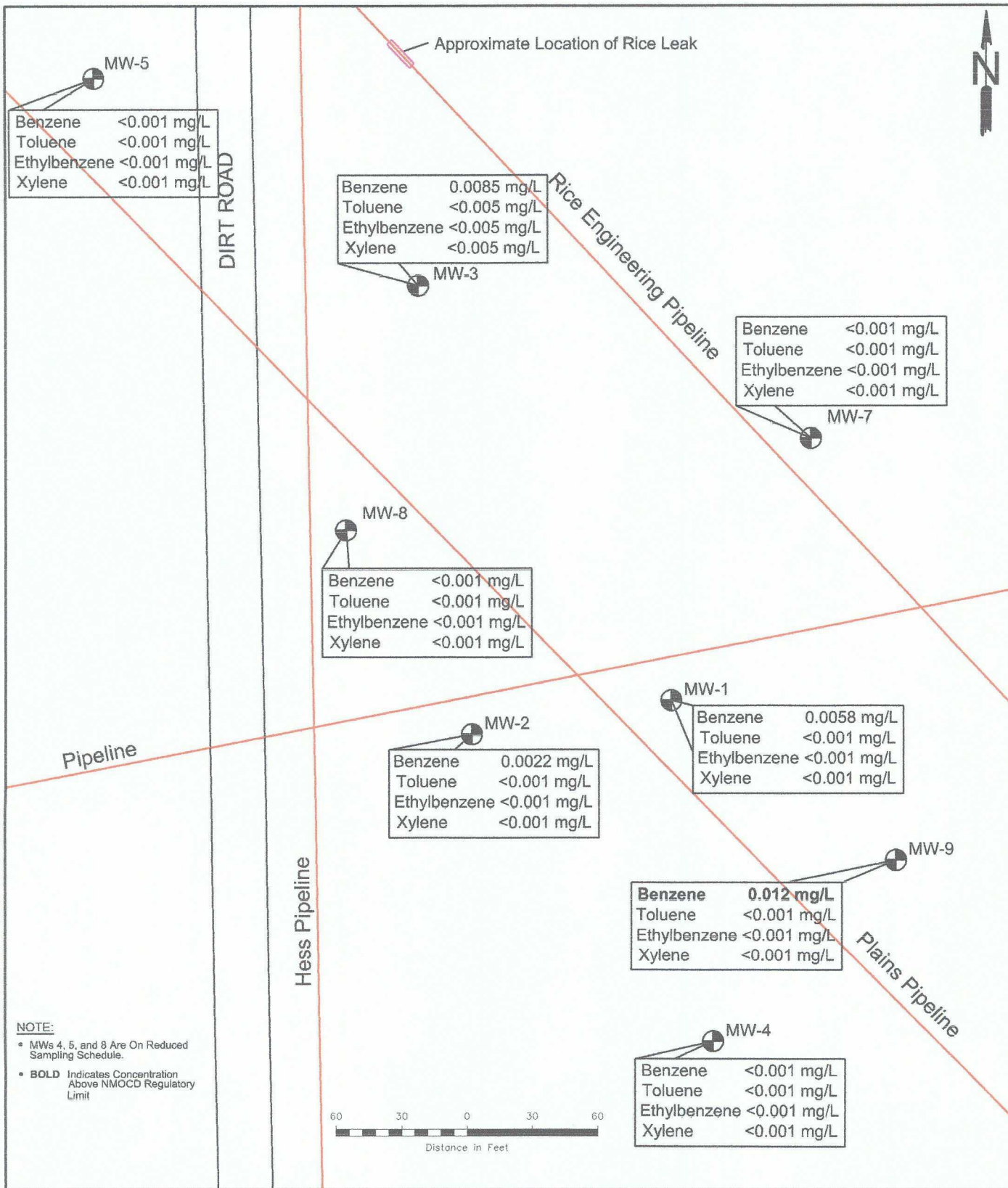
MW-9

Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene 0.004 mg/L

MW-4

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





LEGEND:

- Monitor Well Location
- Plugged and Abandoned Well Location
- Pipeline
- <0.001 Constituent Concentration (mg/L)
- (NS) Not Sampled

Figure 3D
Groundwater Concentration
and Inferred PSH Extent
Map (12/13/06)
Plains Marketing, L.P.
Monument 17
Lea County, NM

NOVA Safety and Environmental



January 30, 2007	Lat. N32° 37' 57.7" Long. W103° 16' 31.6"	
Scale: 1" = 60'	CAD By: DGC	Checked By: CDS
SE1/4 NW1/4 Sec.29 T19S R37E		

TABLES

TABLE 1
2006 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 17
LEA COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW-1	03/07/06	3,607.16	-	19.52	0.00	3,587.64
	06/06/06	3,607.16	-	19.64	0.00	3,587.52
	07/19/06	3,607.16	-	19.59	0.00	3,587.57
	07/27/06	3,607.16	-	19.63	0.00	3,587.53
	08/09/06	3,607.16	-	20.62	0.00	3,586.54
	08/18/06	3,607.16	-	19.14	0.00	3,588.02
	09/12/06	3,607.16	-	17.98	0.00	3,589.18
	10/31/06	3,607.16	sheen	18.35	0.00	3,588.81
	11/15/06	3,607.16	sheen	18.30	0.00	3,588.86
	12/13/06	3,607.16	-	18.52	0.00	3,588.64
MW-2	03/07/06	3,607.08	-	19.36	0.00	3,587.72
	06/06/06	3,607.08	-	19.49	0.00	3,587.59
	09/12/06	3,607.08	-	17.65	0.00	3,589.43
	12/13/06	3,607.08	-	18.50	0.00	3,588.58
MW-3	03/07/06	3,608.43	-	20.42	0.00	3,588.01
	06/06/06	3,608.43	-	20.55	0.00	3,587.88
	07/19/06	3,608.43	-	20.53	0.00	3,587.90
	07/27/06	3,608.43	-	20.56	0.00	3,587.87
	08/09/06	3,608.43	-	20.50	0.00	3,587.93
	08/18/06	3,608.43	-	19.98	0.00	3,588.45
	09/12/06	3,608.43	-	18.46	0.00	3,589.97
	10/31/06	3,608.43	sheen	18.83	0.00	3,589.60
	11/15/06	3,608.43	sheen	18.78	0.00	3,589.65
	12/13/06	3,608.43	-	19.37	0.00	3,589.06
MW-4	03/07/06	3,606.12	-	18.62	0.00	3,587.50
	06/06/06	3,606.12	-	18.72	0.00	3,587.40
	09/12/06	3,606.12	-	17.08	0.00	3,589.04
	12/13/06	3,606.12	-	17.69	0.00	3,588.43
MW-5	03/07/06	3,610.17	-	21.99	0.00	3,588.18
	06/06/06	3,610.17	-	22.15	0.00	3,588.02
	09/12/06	3,610.17	-	19.85	0.00	3,590.32
	12/13/06	3,610.17	-	20.85	0.00	3,589.32
MW-7	01/18/06	3,607.38	sheen	19.72	0.00	3,587.66

TABLE 1
2006 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 17
LEA COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW-7	02/15/06	3,607.38	sheen	19.75	0.00	3,587.63
	03/07/06	3,607.38	sheen	19.76	0.00	3,587.62
	03/20/06	3,607.38	sheen	19.80	0.00	3,587.58
	04/19/06	3,607.38	sheen	19.83	0.00	3,587.55
	05/25/06	3,607.38	sheen	19.86	0.00	3,587.52
	06/06/06	3,607.38	sheen	19.98	0.00	3,587.40
	09/12/06	3,607.38	-	18.19	0.00	3,589.19
	10/31/06	3,607.38	sheen	18.38	0.00	3,589.00
	11/15/06	3,607.38	sheen	18.33	0.00	3,589.05
	12/13/06	3,607.38	sheen	18.78	0.00	3,588.60
MW-8	03/07/06	3,607.99	-	20.04	0.00	3,587.95
	06/07/06	3,607.99	-	20.18	0.00	3,587.81
	09/12/06	3,607.99	-	18.14	0.00	3,589.85
	12/13/06	3,607.99	-	19.06	0.00	3,588.93
MW-9	03/07/06	3,606.83	-	19.42	0.00	3,587.41
	06/07/06	3,606.83	-	19.54	0.00	3,587.29
	09/12/06	3,606.83	-	18.07	0.00	3,588.76
	12/13/06	3,606.83	-	18.54	0.00	3,588.29

Elevations based on the North America Vertical Datum of 1929.

TABLE 2

2006 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 17
LEA COUNTY, NEW MEXICO

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	Methods: SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o-XYLENE
MW-1	03/07/06	0.0279	<0.001	0.0106	0.0066	
	06/06/06	0.0626	<0.001	0.0283	0.0157	
	09/12/06	0.037	<0.001	0.0281	0.0126	
	12/13/06	0.0058	<0.001	<0.001	<0.001	
MW-2	03/07/06	0.0052	<0.001	<0.001	<0.001	
	06/06/06	0.0045	<0.001	<0.001	<0.001	
	09/12/06	0.0132	<0.001	0.00130	<0.001	
	12/13/06	0.0022	<0.001	<0.001	<0.001	
MW-3	03/07/06	0.0681	<0.001	0.00260	0.00180	
	06/06/06	0.0212	<0.001	<0.001	<0.001	
	09/12/06	0.168	<0.02	<0.02	<0.02	
	12/13/06	0.0085	<0.005	<0.005	<0.005	
MW-4	03/07/06	Not Sampled - due to sample reduction				
	06/06/06	<0.001	<0.001	<0.001	<0.001	
	09/12/06	Not Sampled - due to sample reduction				
	12/13/06	<0.001	<0.001	<0.001	<0.001	
MW-5	03/07/06	Not Sampled - due to sample reduction				
	06/06/06	Not Sampled - due to sample reduction				
	09/12/06	Not Sampled - due to sample reduction				
	12/13/06	<0.001	<0.001	<0.001	<0.001	
MW-7	03/07/06	<0.001	<0.001	0.001	<0.001	
	06/06/06	<0.001	<0.001	<0.001	<0.001	
	09/12/06	<0.001	<0.001	<0.001	<0.001	
	12/13/06	<0.001	<0.001	<0.001	<0.001	
MW-8	03/07/06	Not Sampled - due to sample reduction				
	06/06/06	Not Sampled - due to sample reduction				
	09/12/06	Not Sampled - due to sample reduction				
	12/13/06	<0.001	<0.001	<0.001	<0.001	
MW-9	03/07/06	<0.001	<0.001	<0.001	<0.001	
	06/06/06	<0.001	<0.001	<0.001	0.004	
	09/12/06	0.130	0.035	0.020	0.029	
	12/13/06	0.012	<0.001	<0.001	<0.001	

Note: m, p and o Xylenes combined when analyzed by Trace Laboratories, Inc. only.



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

☒ 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	Monument # 17	Facility Type:	Pipeline

Surface Owner: New Mexico State Land Office	Mineral Owner	Lease No.
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LOCATION OF RELEASE

Unit Letter F	Section 29	Township 19S	Range 37E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
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Latitude 32 degrees 37' 57.7" N Longitude 103 degrees 16' 31.6" W

NATURE OF RELEASE

Type of Release:	Volume of Release:	Volume Recovered
Source of Release:	Date and Hour of Occurrence Unknown	Date and Hour of Discovery
Was Immediate Notice Given? Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
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.*

Describe Area Affected and Cleanup Action Taken.*

NOTE: Texas-New Mexico Pipeline was the owner/operator of the pipeline system at the time of the release, initial response information is unavailable.

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:		<u>OIL CONSERVATION DIVISION</u>	
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