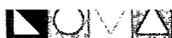


**1R - 110**

**REPORT**

**DATE:**

**2006**



\* 1R-110  
Report  
2006

**2006  
ANNUAL MONITORING REPORT**

**MONUMENT 2**

SW ¼ SW ¼ SECTION 06, TOWNSHIP 20 SOUTH, RANGE 37 EAST  
NW ¼ NW ¼ SECTION 07, TOWNSHIP 20 SOUTH, RANGE 37 EAST  
LEA COUNTY, NEW MEXICO  
PLAINS EMS NUMBER: TNM MONUMENT 2-KNOWN  
NMOCD File Number 1R-0110

**PREPARED FOR:**

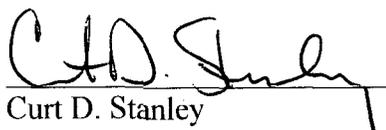
Prepared For:

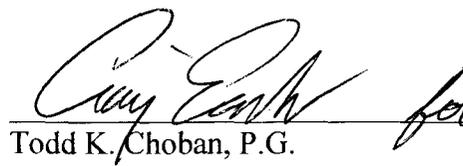
**PLAINS MARKETING, L.P.**  
333 CLAY STREET, SUITE 1600  
HOUSTON, TEXAS 77002

Prepared By:

**NOVA Safety and Environmental**  
2057 Commerce Street  
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**March 2007**

  
Curt D. Stanley  
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Todd K. Choban, P.G.  
Vice President Technical Services



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### FIGURES

Figure 1 – Site Location Map

Figure 2A – Inferred Groundwater Gradient Map – March 14, 2006

2B – Inferred Groundwater Gradient Map – June 16, 2006

2C – Inferred Groundwater Gradient Map – September 5, 2006

2D – Inferred Groundwater Gradient Map – November 14, 2006

Figure 3A – Groundwater Concentration and Inferred PSH Extent Map – March 14, 2006

3B – Groundwater Concentration and Inferred PSH Extent Map – June 16, 2006

3C – Groundwater Concentration and Inferred PSH Extent Map – September 5, 2006

3D – Groundwater Concentration and Inferred PSH Extent Map – November 14, 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 2 site (the site) were assumed by NOVA. The site was previously managed by Environmental Technology Group, Inc (ETGI). The site, 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. This report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2006 only. However, 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 quarter of 2006 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 ¼ SW ¼ Section 6, Township 20 South, Range 37 East and NW ¼ NW ¼ Section 7, Township 20 South, Range 37 East. No information with respect to the release date, volume of crude oil released and recovered, excavation dimensions or pipeline repair is available as the release at the site occurred while the pipeline was operated by the 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 seven groundwater monitor wells (MW-1 through MW-7) was conducted by previous consultants.

Currently, there are eight (8) monitor wells (MW-1 through MW-8) on-site.

## **FIELD ACTIVITIES**

Monitor wells MW-2, MW-5 and MW-8 exhibited a sheen throughout much of the reporting period. On October 24, 2006, a sheen was reportedly present in monitor well MW-4, the sheen was not reported prior to and subsequent to this report. Measurable thicknesses of PSH were reportedly present in monitor well MW-2 (0.04 feet) on July 12, 2006 and in monitor well MW-5 (0.01 feet) on November 14, 2006. Less than (1) gallon of PSH was recovered from the site during 2006. Approximately 52 gallons (1.2 barrels) of PSH have been recovered by manual recovery methods since project inception. Refer to Table 1 for 2006 groundwater gauging information.

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 July 7, 2005

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

The site monitor wells were gauged and sampled on March 14, June 16, September 9, and December 14, 2006. During each sampling event, sampled monitor wells were purged of approximately three (3) 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 (OCD 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 beginning at project inception is provided on the enclosed disk.

The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.003 feet/foot to the southeast as measured between groundwater monitor wells MW-2 and MW-1. This is consistent with data presented on Figures 2A through 2C from earlier in the year. The groundwater elevation has ranged between 3,528.63 and 3,529.61 feet above mean sea level, in monitor well MW-1 on September 5, 2006 and MW-3 on November 14, 2006, respectively.

## LABORATORY RESULTS

Groundwater samples collected during the 2006 quarterly monitoring events were delivered to Trace Analysis, Inc., of Lubbock, 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. Copies of the laboratory reports for 2006 are provided on the enclosed disk. The quarterly groundwater sample results for benzene and BTEX constituent concentrations are depicted on Figures 3A-3D.

**Monitor well MW-1** is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the laboratory method detection limit (MDL) and NMOCD regulatory standards for each BTEX constituent during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-2** is sampled on quarterly schedule and analytical results indicate benzene concentrations ranged from <0.001 mg/L during the 4<sup>th</sup> quarter to 0.0275 mg/L during the 2<sup>nd</sup> quarter of 2006. Benzene concentration were above the NMOCD regulatory standard of 0.01

mg/L during three (3) of the four (4) quarters. Toluene concentrations ranged from <0.01 mg/L during the 1<sup>st</sup> quarter to 0.003 mg/L during the 3<sup>rd</sup> quarter of 2006. 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 0.0751 mg/L during the 1<sup>st</sup> quarter to 0.1100 mg/L during the 3<sup>rd</sup> quarter of the reporting period. Ethylbenzene concentrations were below the NMOCD regulatory standard of 0.75 mg/L during all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.0430 mg/L during the 2<sup>nd</sup> quarter to 0.0731 mg/L during the 3<sup>rd</sup> and 4<sup>th</sup> quarters. Xylene concentrations were below the NMOCD regulatory standard of 0.62 mg/L during all four (4) quarters of 2006.

**Monitor well MW-3** is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the laboratory method detection limit (MDL) and NMOCD regulatory standards for each BTEX constituent during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-4** is sampled on a semi-annual schedule and analytical results indicate BTEX constituent concentrations of benzene, toluene and xylene were below the MDL and NMOCD regulatory standards during the 2<sup>nd</sup> and 4<sup>th</sup> quarter sampling events. Ethylbenzene concentrations ranged from <0.001 mg/L during the 4<sup>th</sup> quarter to 0.0013 mg/L during the 2<sup>nd</sup> quarter. Ethylbenzene concentrations were below NMOCD regulatory standard during the 2<sup>nd</sup> and 4<sup>th</sup> quarter sampling events.

**Monitor well MW-5** is sampled on quarterly schedule and analytical results indicate benzene concentrations ranged from <0.001 mg/L during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarter to <0.005 mg/L during the 1<sup>st</sup> quarter of 2006. Benzene concentrations were below the NMOCD regulatory standard during all four (4) quarters. Toluene concentrations ranged from <0.001 mg/L during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarter to <0.005 mg/L during the 1<sup>st</sup> quarter of 2006. Toluene concentrations were below the NMOCD regulatory standard during all four (4) quarters. Ethylbenzene concentrations ranged from 0.0041 mg/L during the 3<sup>rd</sup> quarter to 0.0074 mg/L during the 2<sup>nd</sup> quarter of 2006. Ethylbenzene concentrations were below the NMOCD regulatory standard of 0.75 mg/L during all four (4) quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 2<sup>nd</sup> and 4<sup>th</sup> quarters to 0.0028 mg/L during the 3<sup>rd</sup> quarter. Xylene concentrations were below the NMOCD regulatory standard of 0.62 mg/L during all four (4) quarters of 2006.

**Monitor well MW-6** is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the laboratory method detection limit (MDL) and NMOCD regulatory standards for each BTEX constituent during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-7** is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the laboratory method detection limit (MDL) and NMOCD regulatory standards for each BTEX constituent during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-8** is sampled on quarterly schedule and analytical results indicate benzene concentrations ranged from 0.116 mg/L during the 4<sup>th</sup> quarter to 0.196 mg/L during the 1<sup>st</sup> quarter of 2006. Benzene concentrations were above the NMOCD regulatory standard during all four (4) quarters. Toluene concentrations ranged from 0.0333 mg/L during the 4<sup>th</sup> quarter to 0.0545 mg/L during the 1<sup>st</sup> quarter of 2006. Toluene concentrations were below the NMOCD regulatory standard during all four (4) quarters. Ethylbenzene concentrations ranged from 0.126

mg/L during the 3<sup>rd</sup> quarter to 0.131 mg/L during the 2<sup>nd</sup> quarter of 2006. Ethylbenzene concentrations were below the NMOCD regulatory standard of 0.75 mg/L during all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.285 mg/L during the 2<sup>nd</sup> quarter to 0.349 mg/L during the 3<sup>rd</sup> 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 (MW-1 through MW-8) on-site. These wells are gauged monthly. The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.003 feet/foot to the southeast.

Three (3) monitor wells (MW-2, MW-5 and MW-8) exhibited a sheen throughout most of the reporting period. A sheen was reported on monitor well MW-4 during a single gauging event. Measurable thicknesses of PSH were reported on monitor wells MW-2 (0.04 feet) and MW-5 (0.01 feet) on July 12, 2006 and November 14, 2006, respectively. Analytical results indicate groundwater samples collected from monitor wells MW-4 and MW-5 contain BTEX constituent concentrations below NMOCD regulatory standards. Less than one (1) gallon of PSH was recovered from the site monitor wells during the 2006 reporting period. Approximately 52 gallons (1.2 barrels) of PSH have been recovered by manual recovery methods since project inception. PSH impact at the site appears to be very limited at this time.

Review of laboratory analytical results of the groundwater samples obtained during the 2006 monitoring period indicate the benzene concentrations are above regulatory standards in two (2) site monitor wells, (MW-2 and MW-8). Analytical results of samples collected from the remaining six (6) monitor wells indicate benzene and BTEX constituent concentrations below the applicable NMOCD regulatory standard.

## **ANTICIPATED ACTIONS**

Monitor well gauging and groundwater sampling will continue in 2007. A 2007 annual monitoring report will be submitted to the NMOCD by April 1, 2008.

## **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

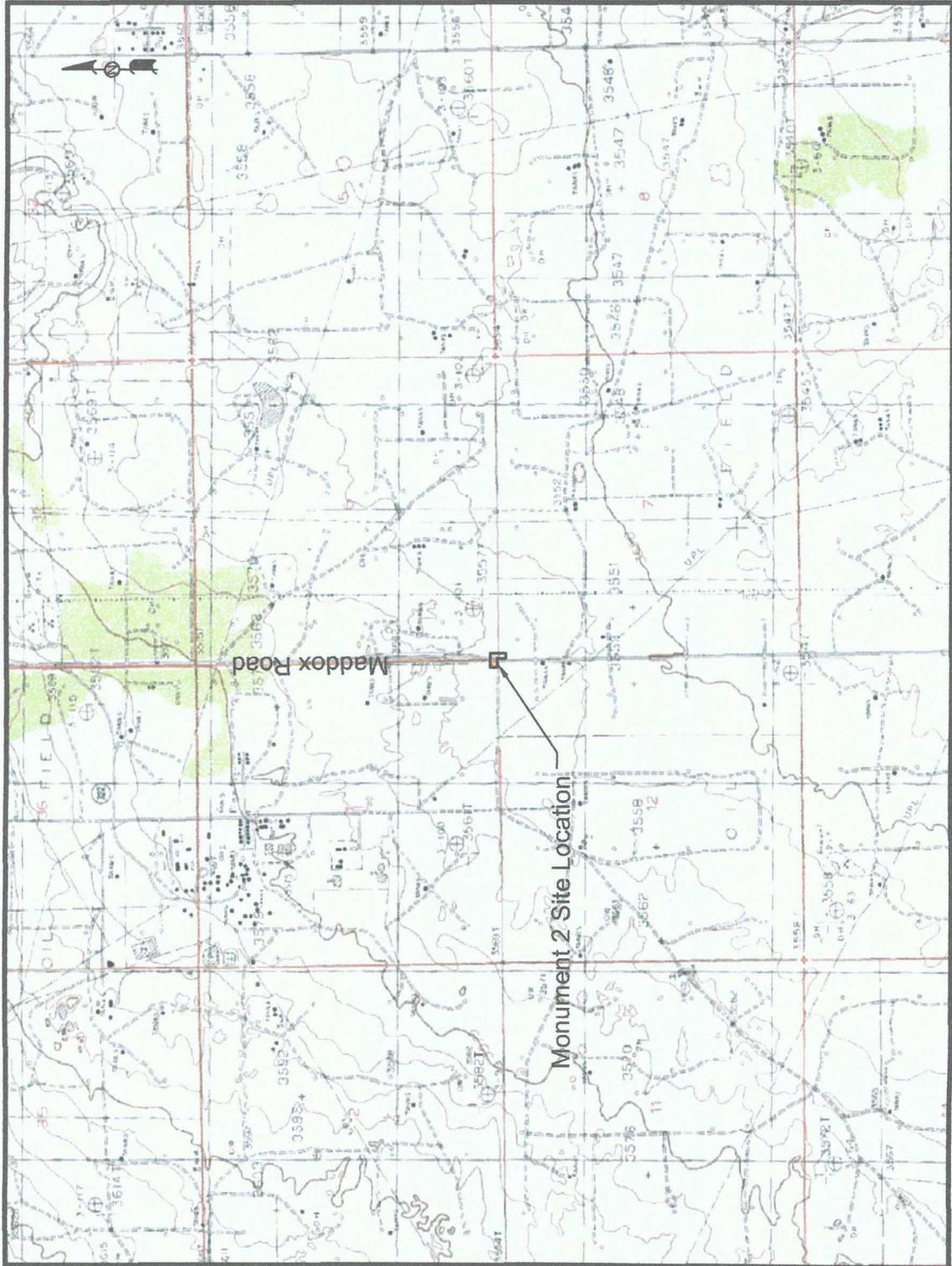
Copy 2:        Larry Johnson and Patricia Caperton  
New Mexico Energy, Minerals and Natural Resources Department  
Oil Conservation Division, District 1  
1625 French Drive  
Hobbs, NM 88240

Copy 3:        Camille Reynolds  
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Midland, TX 79703  
cstanley@novatraining.cc

**FIGURES**



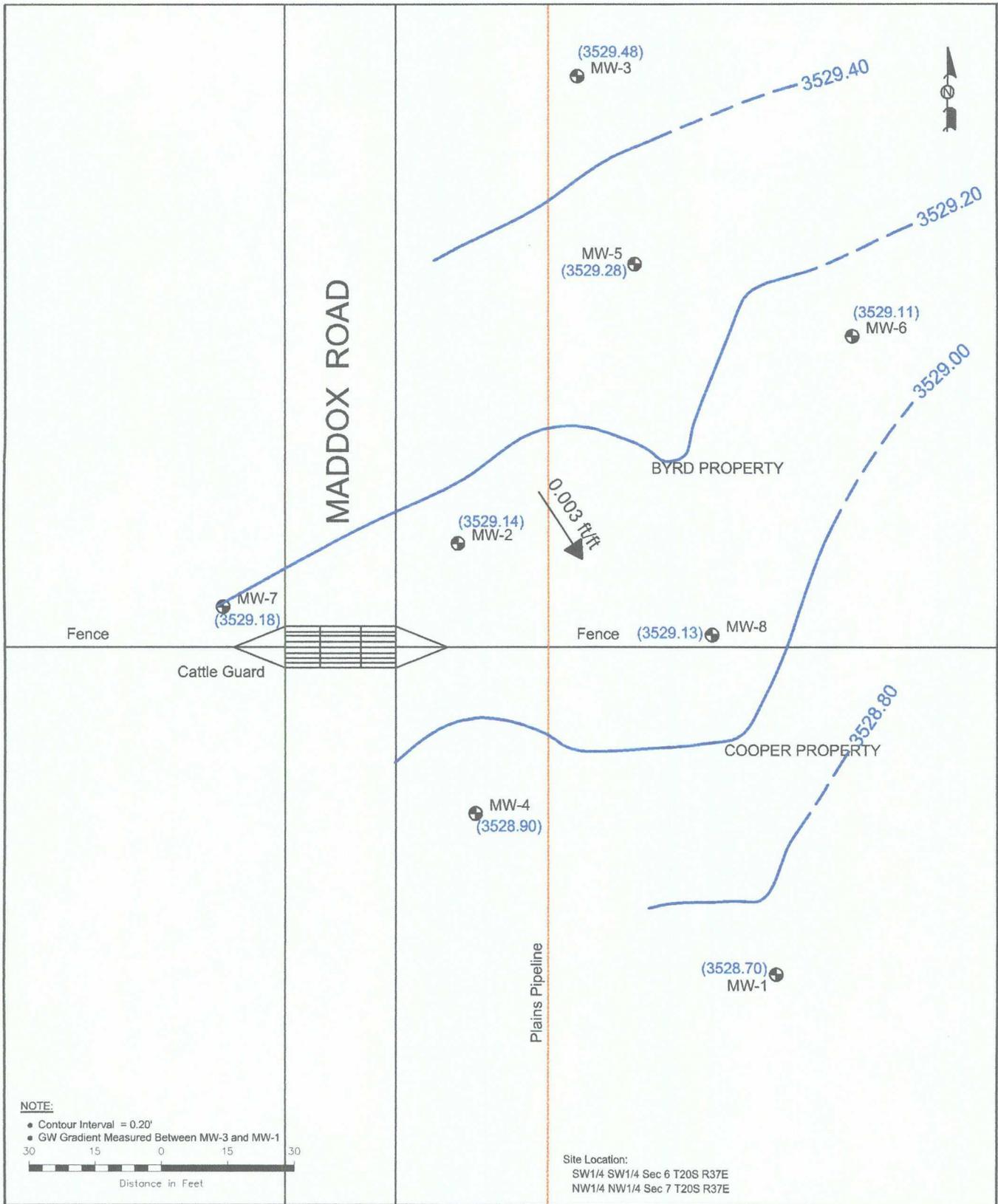
SW1/4 SW1/4 Sec 6 T20S R37E  
 NW1/4 NW1/4 Sec 7 T20S R37E

Figure 1  
 Site Location Map  
 Plains Marketing, L.P.  
 Monument 2  
 Lea County, NM

NOVA Safety and Environmental

NOVA  
 safety and environmental

Scale: NTS  
 Prepped By: CDS | Checked By: MRE  
 February 25, 2005  
 Lat: N32° 35' 42.4" Long: W103° 17' 56.5"



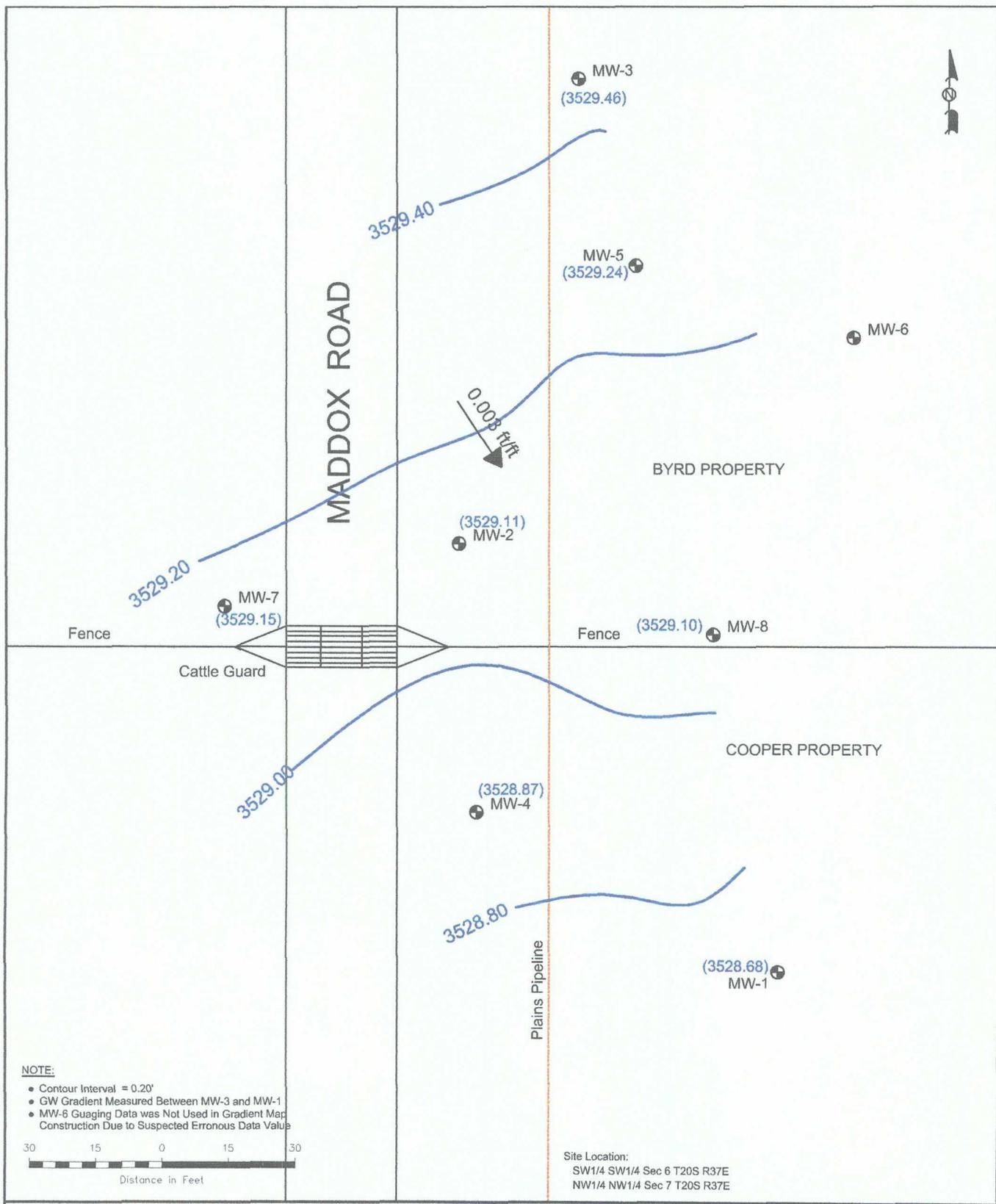
●	Monitor Well Location	(3529.08)	Groundwater Elevation (feet)
—	Pipeline	0.001 ft/ft	Groundwater Gradient and Magnitude
—	Groundwater Elevation Contour Line		

Figure 2A  
 Inferred Groundwater  
 Gradient Map (3/14/06)  
 Plains Marketing, L.P.  
 Monument 2  
 Lea County, TX

NOVA Safety and Environmental

**NOVA**  
 safety and environmental

Scale: 1" = 30'	CAD By: DGC	Checked By: CDS
May 23, 2006	32° 35' 42.4"N 103° 17' 56.5"W	

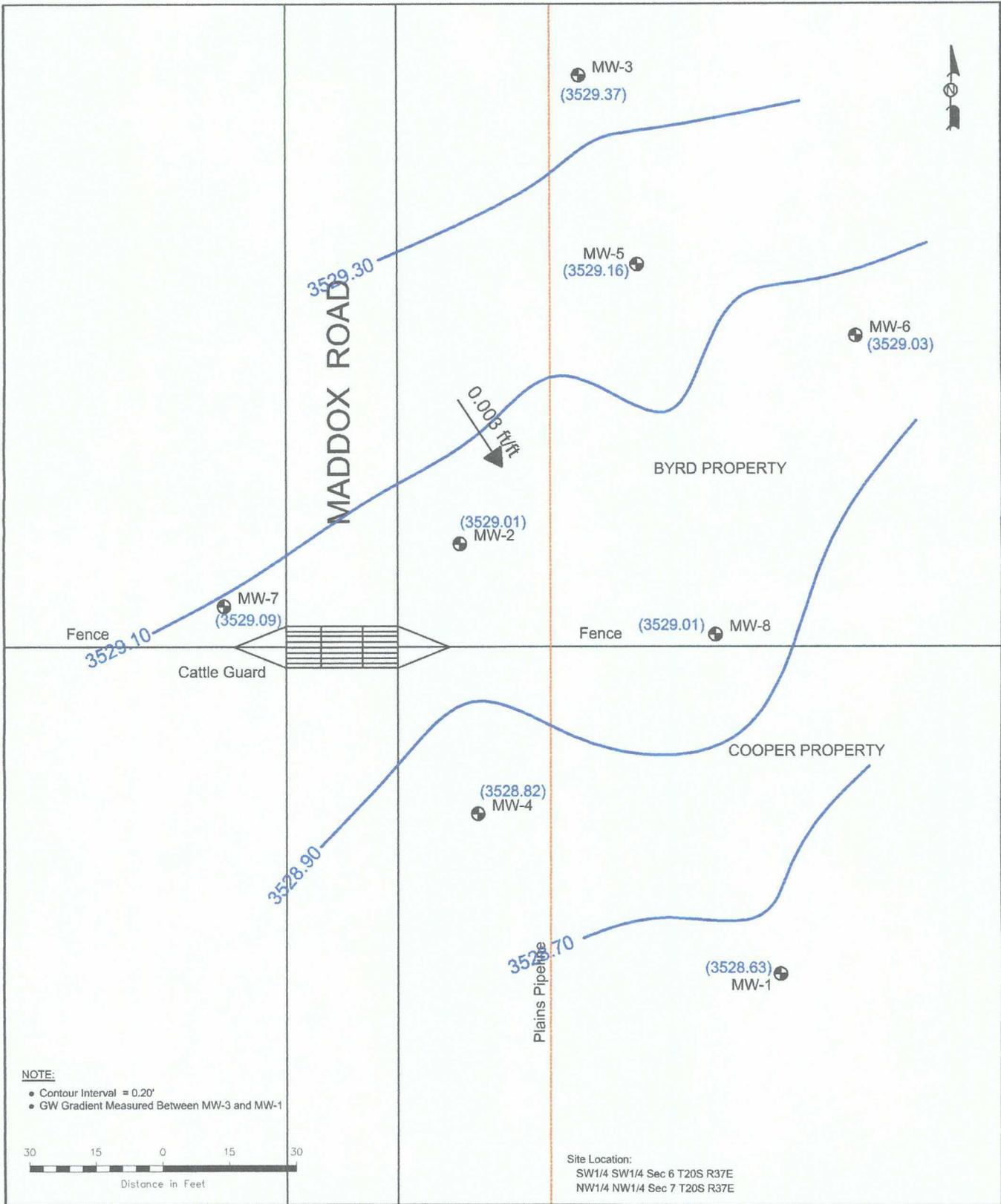


<b>LEGEND:</b>		
	Monitor Well Location	(3529.08) Groundwater Elevation (feet)
	Pipeline	
	Groundwater Elevation Contour Line	
	Groundwater Gradient and Magnitude	

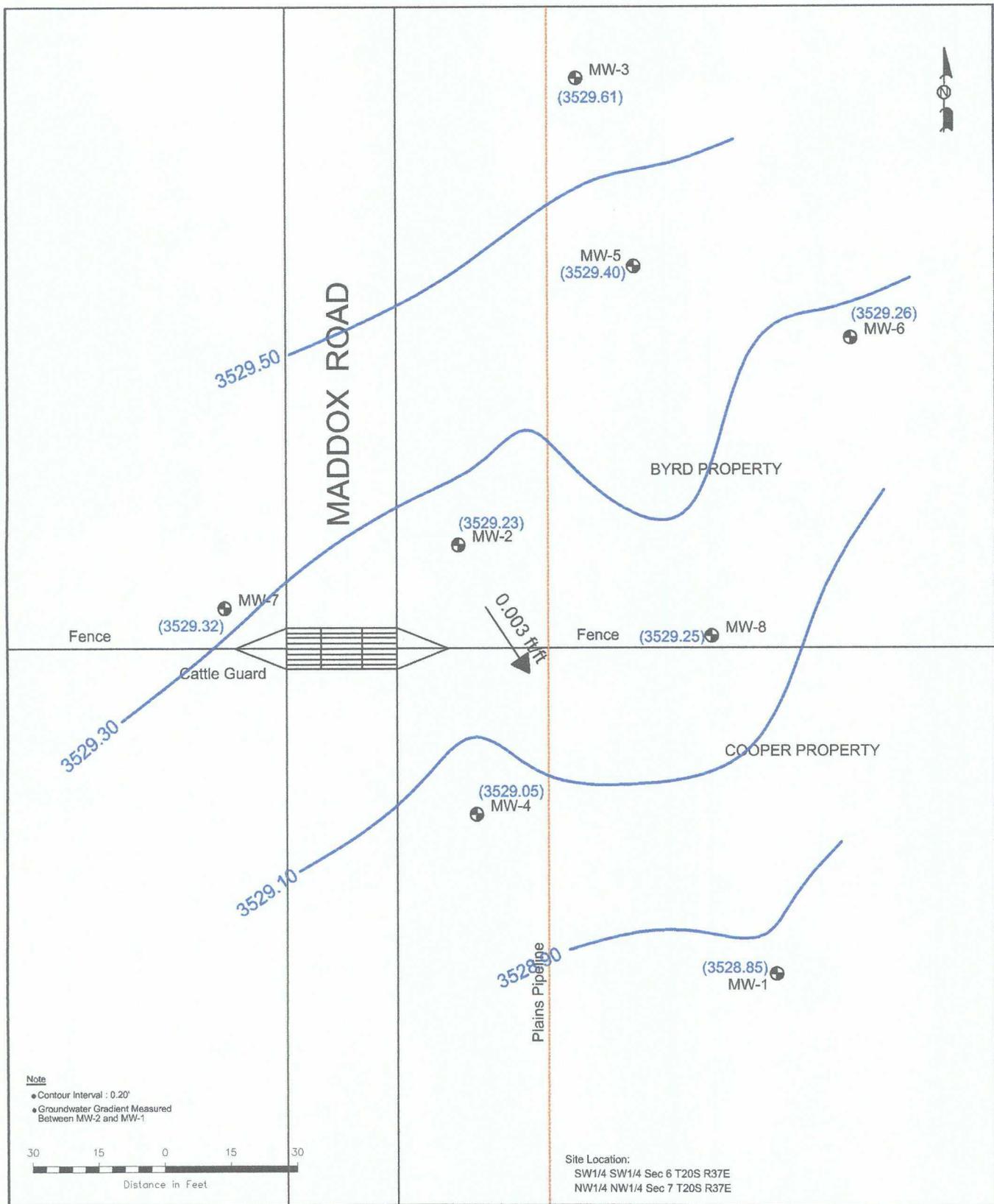
Figure 2B  
Inferred Groundwater  
Gradient Map (6/16/06)  
Plains Marketing, L.P.  
Monument 2  
Lea County, TX

**NOVA Safety and Environmental**

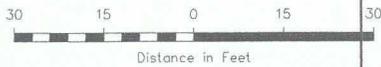
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July 3, 2006	32° 35' 42.4"N 103° 17' 56.5"W	



<b>LEGEND:</b> Monitor Well Location Pipeline Groundwater Elevation Contour Line Groundwater Gradient and Magnitude	(3529.08) Groundwater Elevation (feet)	<b>Figure 2C</b> Inferred Groundwater Gradient Map (09/05/06) Plains Marketing, L.P. Monument 2 Lea County, TX	<b>NOVA Safety and Environmental</b> 
	Scale: 1" = 30' CAD By: DGC Checked By: DGC February 28, 2007 32° 35' 42.4"N 103° 17' 56.5"W		



**Note**  
 • Contour Interval : 0.20'  
 • Groundwater Gradient Measured Between MW-2 and MW-1



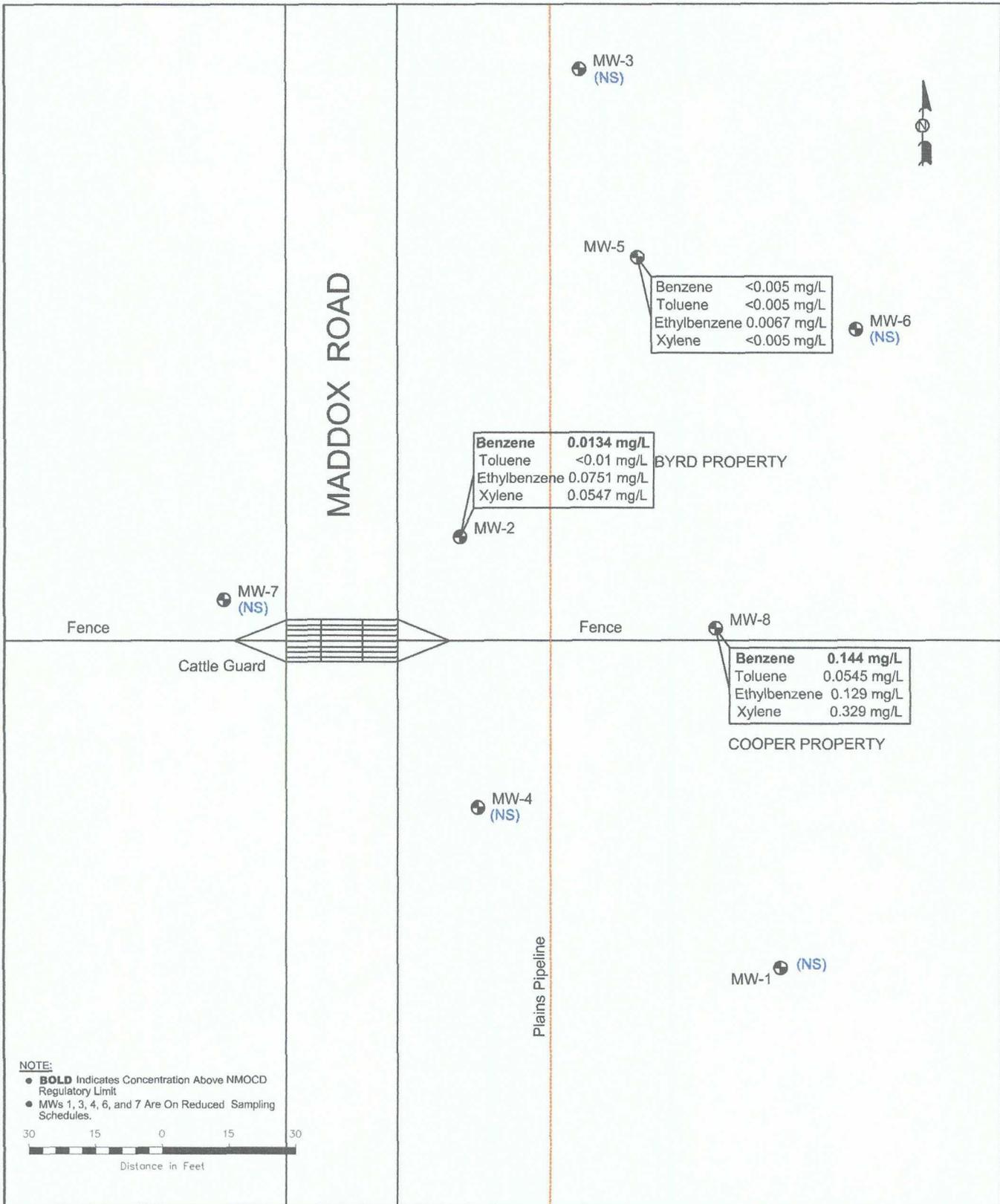
**LEGEND:**  
 ● Monitor Well Location (3529.08) Groundwater Elevation (feet)  
 — Pipeline  
 — Groundwater Elevation Contour Line  
 0.001 ft/ft Groundwater Gradient and Magnitude

Figure 2D  
 Inferred Groundwater Gradient Map (11/14/06)  
 Plains Marketing, L.P.  
 Monument 2  
 Lea County, TX

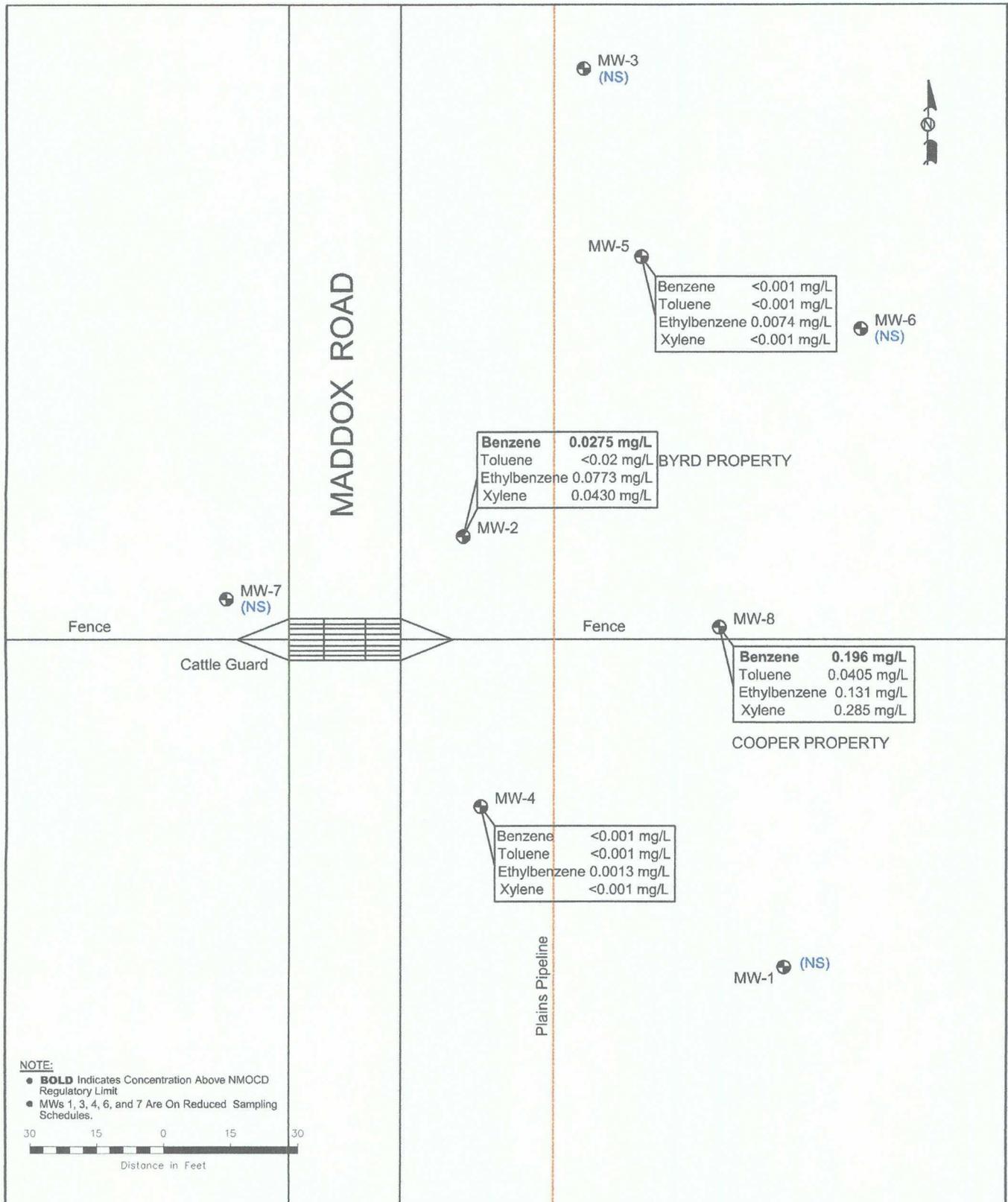
NOVA Safety and Environmental



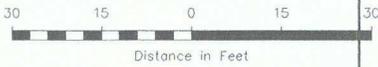
Scale: 1" = 30'	CAD By: DGC	Checked By: DGC
January 5, 2007	32° 35' 42.4"N 103° 17' 56.5"W	



<p><b>LEGEND:</b></p> <ul style="list-style-type: none"> <li>● Monitor Well Location</li> <li>— Pipeline</li> <li>&lt;0.001 Constituent Concentration (mg/L)</li> <li>(NS) Not Sampled</li> </ul>	<p>Site Location: SW1/4 SW1/4 Sec 6 T20S R37E NW1/4 NW1/4 Sec 7 T20S R37E</p> <p>32° 35' 42.4"N 103° 17' 56.5"W</p>	<p>Figure 3A Groundwater Concentration and Inferred PSH Extent Map (03/14/06)</p> <p>Plains Marketing, LP Monument 2 Lea County, TX</p>	<p><b>NOVA Safety and Environmental</b></p> <p><b>NOVA</b> safety and environmental</p> <p>Scale: 1" = 30' CAD By: DGC Checked By: CDS May 22, 2006</p>
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**NOTE:**  
 ● **BOLD** Indicates Concentration Above NMOCD Regulatory Limit  
 ● MWs 1, 3, 4, 6, and 7 Are On Reduced Sampling Schedules.



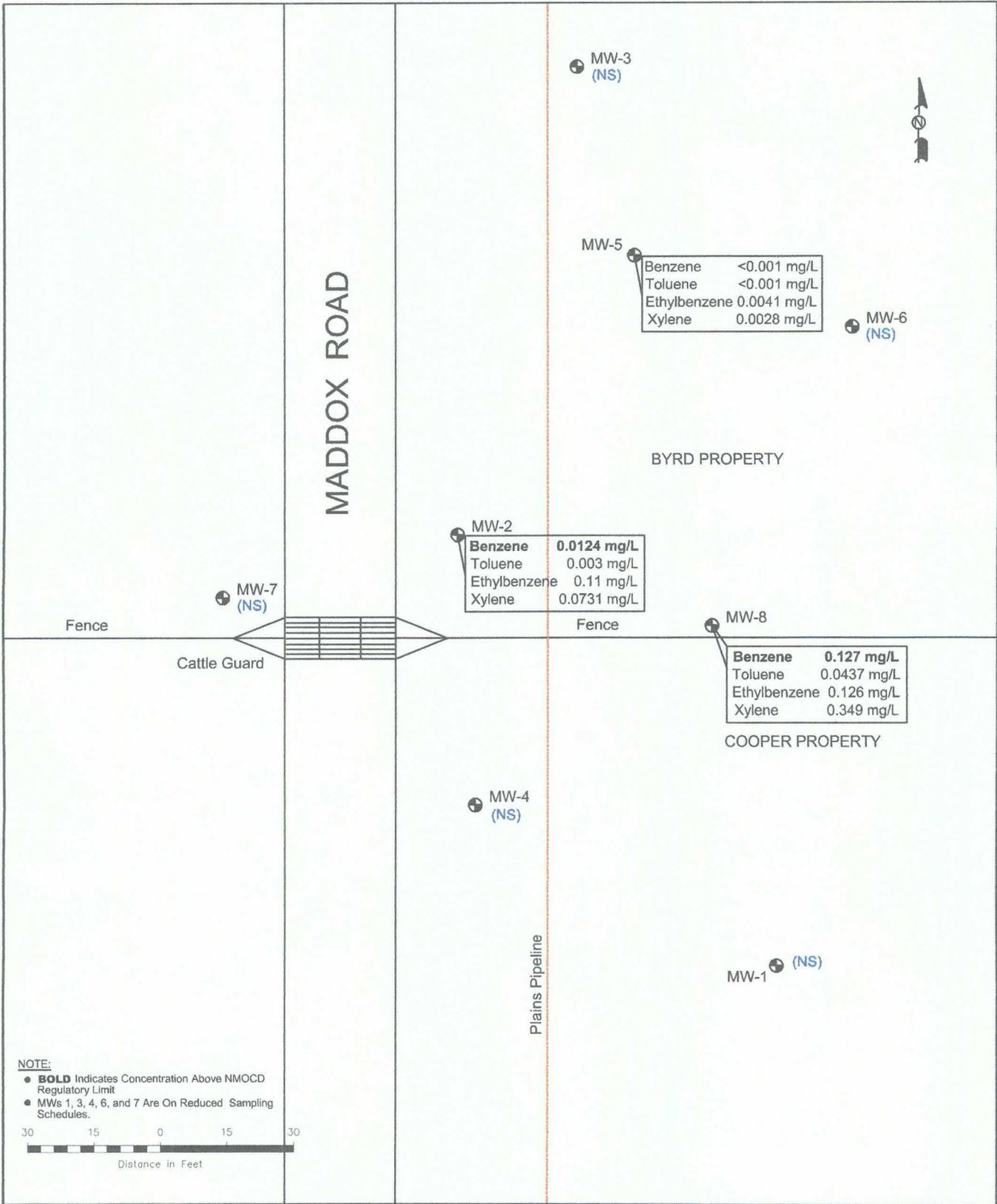
**LEGEND:**  
 ● Monitor Well Location  
 — Pipeline  
 <0.001 Constituent Concentration (mg/L)  
 (NS) Not Sampled

Site Location:  
 SW1/4 SW1/4 Sec 6 T20S R37E  
 NW1/4 NW1/4 Sec 7 T20S R37E  
 32° 35' 42.4"N  
 103° 17' 56.5"W

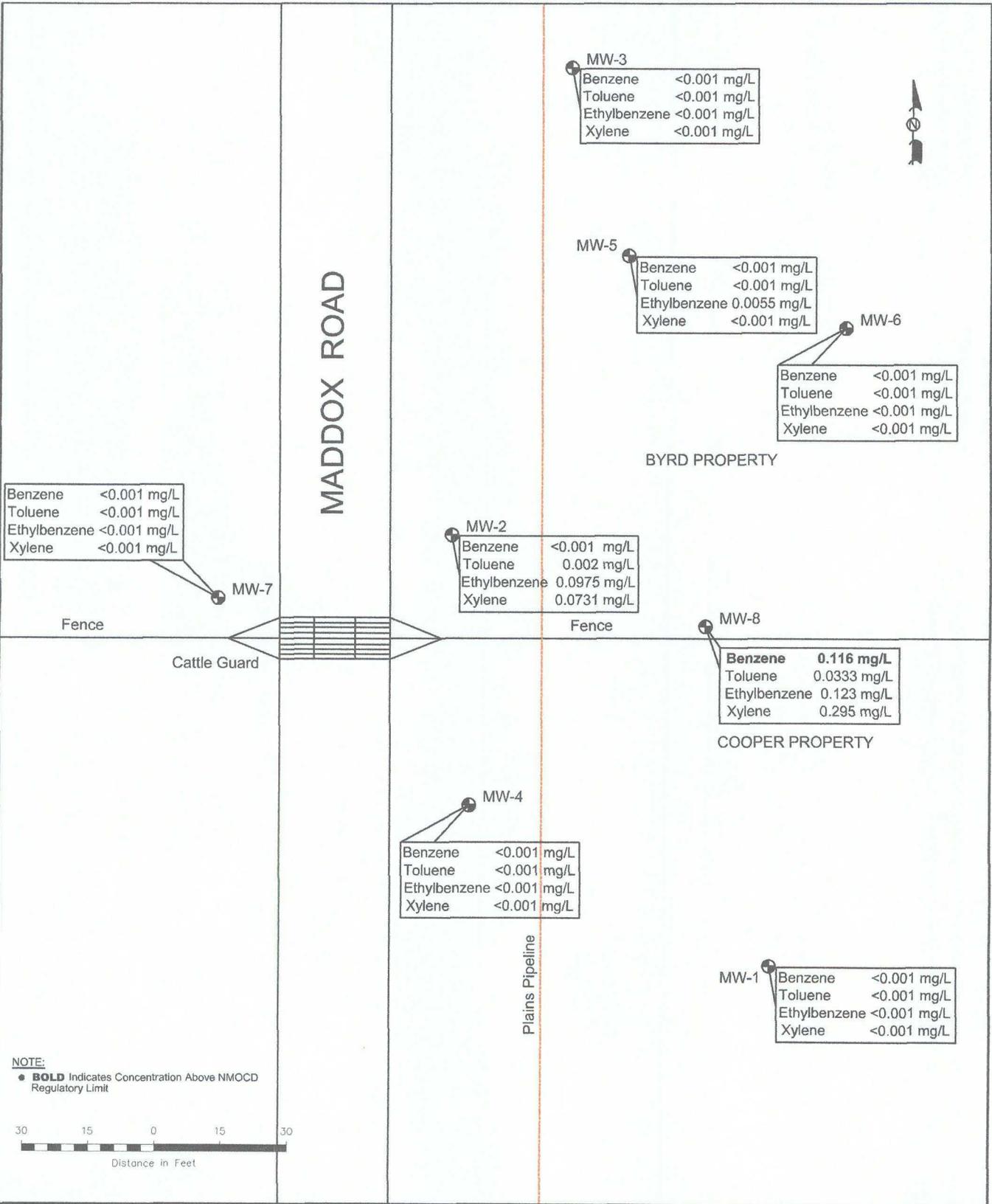
Figure 3B  
 Groundwater Concentration  
 and Inferred PSH Extent  
 Map (06/16/06)  
 Plains Marketing, LP  
 Monument 2  
 Lea County, TX

NOVA Safety and Environmental

	Scale: 1" = 30'	CAD By: DGC	Checked By: CDS
	July 24, 2008		



<p><b>LEGEND:</b></p> <ul style="list-style-type: none"> <li>● Monitor Well Location</li> <li>— Pipeline</li> <li>&lt;0.001 Constituent Concentration (mg/L)</li> <li>(NS) Not Sampled</li> </ul>	<p>Site Location: SW1/4 SW1/4 Sec 6 T20S R37E NW1/4 NW1/4 Sec 7 T20S R37E 32° 35' 42.4"N 103° 17' 56.5"W</p>	<p>Figure 3C Groundwater Concentration and Inferred PSH Extent Map (09/05/06) Plains Marketing, LP Monument 2 Lea County, TX</p>	<p><b>NOVA Safety and Environmental</b></p> <p><b>NOVA</b> safety and environmental</p> <p>Scale: 1" = 30' CAD By: DGC Checked By: CGS January 30, 2007</p>
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**LEGEND:**  
 ● Monitor Well Location  
 — Pipeline  
 <0.001 Constituent Concentration (mg/L)  
 (NS) Not Sampled

**Site Location:**  
 SW1/4 SW1/4 Sec 6 T20S R37E  
 NW1/4 NW1/4 Sec 7 T20S R37E  
 32° 35' 42.4"N  
 103° 17' 56.5"W

**Figure 3D**  
 Groundwater Concentration  
 and Inferred PSH Extent  
 Map (11/14/06)  
 Plains Marketing, LP  
 Monument 2  
 Lea County, TX

**NOVA Safety and Environmental**

**NOVA**  
safety and environmental

Scale: 1" = 30'  
 CAD By: DGC  
 Checked By: CDS  
 January 30, 2007

# TABLES

TABLE 1

2006 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.  
 MONUMENT 2  
 LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW-1	03/14/06	3,560.60	-	31.90	0.00	3528.70
	06/16/06	3,560.60	-	31.92	0.00	3528.68
	09/05/06	3,560.60	-	31.97	0.00	3528.63
	11/14/06	3,560.60	-	31.75	0.00	3528.85
MW-2	01/18/06	3,561.14	sheen	32.14	0.00	3529.00
	02/17/06	3,561.14	sheen	32.06	0.00	3529.08
	03/14/06	3,561.14	sheen	32.00	0.00	3529.14
	03/24/06	3,561.14	sheen	32.00	0.00	3529.14
	04/19/06	3,561.14	sheen	31.93	0.00	3529.21
	05/24/06	3,561.14	sheen	31.93	0.00	3529.21
	06/16/06	3,561.14	-	32.03	0.00	3529.11
	07/12/06	3,561.14	32.10	32.14	0.04	3529.03
	08/10/06	3,561.14	-	32.14	0.00	3529.00
	09/05/06	3,561.14	-	32.13	0.00	3529.01
	09/17/06	3,561.14	sheen	32.07	0.00	3529.07
	10/03/06	3,561.14	sheen	32.10	0.00	3529.04
	10/24/06	3,561.14	sheen	32.00	0.00	3529.14
	11/14/06	3,561.14	sheen	31.91	0.00	3529.23
11/16/06	3,561.14	sheen	31.90	0.00	3529.24	
MW-3	03/14/06	3,560.39	-	30.91	0.00	3529.48
	06/16/06	3,560.39	-	30.93	0.00	3529.46
	09/05/06	3,560.39	-	31.02	0.00	3529.37
	11/14/06	3,560.39	-	30.78	0.00	3529.61
MW-4	03/14/06	3,561.08	-	32.18	0.00	3528.90
	06/16/06	3,561.08	-	32.21	0.00	3528.87
	09/05/06	3,561.08	-	32.26	0.00	3528.82
	10/24/06	3,561.08	sheen	32.10	0.00	3528.98
	11/14/06	3,561.08	-	32.03	0.00	3529.05
MW-5	01/18/06	3,560.20	sheen	31.06	0.00	3529.14
	02/17/06	3,560.20	sheen	31.00	0.00	3529.20
	03/14/06	3,560.20	sheen	30.92	0.00	3529.28
	03/24/06	3,560.20	sheen	30.95	0.00	3529.25
	04/19/06	3,560.20	sheen	30.86	0.00	3529.34
	05/24/06	3,560.20	sheen	30.88	0.00	3529.32
	06/16/06	3,560.20	-	30.96	0.00	3529.24
	07/12/06	3,560.20	sheen	31.04	0.00	3529.16
	08/10/06	3,560.20	-	31.09	0.00	3529.11
	09/05/06	3,560.20	-	31.04	0.00	3529.16

TABLE 1

2006 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.  
 MONUMENT 2  
 LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW-5	09/17/06	3,560.20	-	30.99	0.00	3529.21
	10/03/06	3,560.20	sheen	31.04	0.00	3529.16
	10/24/06	3,560.20	sheen	30.90	0.00	3529.30
	11/14/06	3,560.20	30.8	30.81	0.01	3529.40
	11/16/06	3,560.20	sheen	30.84	0.00	3529.36
MW-6	03/14/06	3,560.32	-	31.21	0.00	3529.11
	06/16/06	3,560.32	-	30.24	0.00	3530.08
	09/05/06	3,560.32	-	31.29	0.00	3529.03
	11/14/06	3,560.32	-	31.06	0.00	3529.26
MW-7	03/14/06	3,561.07	-	31.89	0.00	3529.18
	06/16/06	3,561.07	-	31.92	0.00	3529.15
	09/05/06	3,561.07	-	31.98	0.00	3529.09
	11/14/06	3,561.07	-	31.75	0.00	3529.32
MW-8	01/18/06	3,561.07	sheen	32.07	0.00	3529.00
	02/17/06	3,561.07	sheen	32.00	0.00	3529.07
	03/14/06	3,561.07	-	31.94	0.00	3529.13
	03/24/06	3,561.07	sheen	31.94	0.00	3529.13
	04/19/06	3,561.07	sheen	31.88	0.00	3529.19
	05/24/06	3,561.07	sheen	31.89	0.00	3529.18
	06/16/06	3,561.07	-	31.97	0.00	3529.10
	07/12/06	3,561.07	sheen	32.08	0.00	3528.99
	08/10/06	3,561.07	-	32.10	0.00	3528.97
	09/05/06	3,561.07	-	32.06	0.00	3529.01
	09/17/06	3,561.07	-	32.01	0.00	3529.06
	10/03/06	3,561.07	sheen	32.07	0.00	3529.00
	10/24/06	3,561.07	sheen	31.93	0.00	3529.14
	11/14/06	3,561.07	31.82	31.83	0.01	3529.25
11/16/06	3,561.07	sheen	31.84	0.00	3529.23	

TABLE 2

## 2006 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
 MONUMENT 2  
 LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030			
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES o - XYLENE
NMOCD REGULATORY LIMIT		0.01	0.75	0.75	0.62
MW-1	03/14/06	Not Sampled on Current Sample Schedule			
	06/16/06	Not Sampled on Current Sample Schedule			
	09/05/06	Not Sampled on Current Sample Schedule			
	11/14/06	<0.001	<0.001	<0.001	<0.001
MW-2	03/14/06	0.0134	<0.01	0.0751	0.0547
	06/16/06	0.0275	<0.02	0.0773	0.0430
	09/05/06	0.0124	0.003	0.1100	0.0731
	11/14/06	<0.001	0.002	0.0975	0.0731
MW-3	03/14/06	Not Sampled on Current Sample Schedule			
	06/16/06	Not Sampled on Current Sample Schedule			
	09/05/06	Not Sampled on Current Sample Schedule			
	11/14/06	<0.001	<0.001	<0.001	<0.001
MW-4	03/14/06	Not Sampled on Current Sample Schedule			
	06/16/06	<0.001	<0.001	0.0013	<0.001
	09/05/06	Not Sampled on Current Sample Schedule			
	11/14/06	<0.001	<0.001	<0.001	<0.001
MW-5	03/14/06	<0.005	<0.005	0.0067	<0.005
	06/16/06	<0.001	<0.001	0.0074	<0.001
	09/05/06	<0.001	<0.001	0.0041	0.0028
	11/14/06	<0.001	<0.001	0.0055	<0.001
MW-6	03/14/06	Not Sampled on Current Sample Schedule			
	06/16/06	Not Sampled on Current Sample Schedule			
	09/05/06	Not Sampled on Current Sample Schedule			
	11/14/06	<0.001	<0.001	<0.001	<0.001
MW-7	03/14/06	Not Sampled on Current Sample Schedule			
	06/16/06	Not Sampled on Current Sample Schedule			
	09/05/06	Not Sampled on Current Sample Schedule			
	11/14/06	<0.001	<0.001	<0.001	<0.001
MW-8	03/14/06	0.144	0.0545	0.129	0.329

TABLE 2

2006 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
MONUMENT 2  
LEA COUNTY, NEW MEXICO

*All concentrations are reported in mg/L.*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW-8	06/16/06	0.196	0.0405	0.131	0.285	
	09/05/06	0.127	0.0437	0.126	0.349	
	11/14/06	0.116	0.0333	0.123	0.295	

**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 # 2	Facility Type:	Pipeline

Surface Owner:	Mineral Owner	Lease No.
BLM, Jim T Cooper		

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	6	20S	37E					Lea

Latitude 32 degrees, 35' 42.4" Longitude 32 degrees, 17' 56.5"

**NATURE OF RELEASE**

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

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.

		<b>OIL CONSERVATION DIVISION</b>	
Signature:	Approved by District Supervisor:		
Printed Name: Camille Reynolds			
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