1R - 110

REPORTS

DATE:

2006

2005
ANNUAL MONITORING REPORT

Report is on the L-Drive

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:

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NOVA safety and environmental

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March 2006

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Project Manager

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Vice President Technical Services

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ENCLOSED ON DATA DISK

2005 Annual Monitoring Report
2005 Tables 1 and 2 - Groundwater Elevation and BTEX Concentration Data
2005 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 2005 only. However, historic data tables as well as 2005 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 2005 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 06, 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 the reporting period. On September 13, 2005, monitor wells MW-2*, MW-5*and MW-8* exhibited PSH thicknesses of 0.01 feet and were not sampled during the third quarter sampling event. No measurable volume of PSH was recovered from the site during 2005. Approximately 51 gallons (1.2 barrels) of product have been recovered by manual recovery methods since project inception. Refer to Table 1 for 2005 groundwater gauging information.

** Gauging data for monitor wells MW-2, MW-5 and MW-8 collected on September 13, 2005 indicates a PSH thickness of 0.01 feet; this data appears to be incongruous based on prior and subsequent data and historical trends.*

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 in 2005 on March 11, June 14, September 13, and December 14. 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 2005 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-1 and MW-7. This is consistent with data presented on Figures 2A through 2C from earlier in the year. The corrected groundwater elevation has ranged between 3,526.96 and 3,529.30 feet above mean sea level, in MW-1 on June 14, 2005 and MW-3 on December 14, 2005, respectively.

LABORATORY RESULTS

Measurable thicknesses of PSH were reportedly present in monitor wells MW-2*, MW-5* and MW-8* during the third quarter of the reporting period and were not sampled.

Groundwater samples collected during the 2005 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 2005 is summarized in Table 2. Copies of the laboratory reports for 2005 are provided on the enclosed disk. The quarterly groundwater sample results for benzene and BTEX constituent concentrations are depicted on Figures 3A-3D.

** Gauging data for monitor wells MW-2, MW-5 and MW-8 collected on September 13, 2005 indicates a PSH thickness of 0.01 feet; this data appears to be incongruous based on prior and subsequent data and historical trends.*

Review of laboratory analytical results of the groundwater samples obtained during the 2005 monitoring period indicate that the benzene and total BTEX constituent concentrations remain below applicable NMOCD standards in monitor wells MW-1, MW-3, MW-4, MW-5, MW-6, and MW-7. Groundwater samples collected from monitor wells MW-2 and MW-8 during the fourth quarter of 2005 indicated benzene concentrations were above the NMOCD regulatory standard and BTEX constituent concentrations were below the NMOCD regulatory standard.

Laboratory analytical results were compared to NMOCD regulatory limits based on the New Mexico groundwater standards found in section 20.6.2.3103 of the New Mexico Administrative Code.

SUMMARY

This report presents the results of monitoring activities for the 2005 annual monitoring period. Currently, there are 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 exhibited a sheen throughout the reporting period. On September 13, 2005, monitor wells MW-2 , MW-5 and MW-8 exhibited PSH thicknesses of 0.01 feet and were not sampled during the third quarter sampling event*. No measurable volume of PSH was recovered from the site during 2005. Approximately 51 gallons (1.2 barrels) of product have been recovered by manual recovery methods since project inception. PSH impact at the site appears to be very limited at this time.

** Gauging data for monitor wells MW-2, MW-5 and MW-8 collected on September 13, 2005 indicates a PSH thickness of 0.01 feet; this data appears to be incongruous based on prior and subsequent data and historical trends.*

Review of laboratory analytical results of the groundwater samples obtained during the 2005 monitoring period indicate the benzene concentrations are above, but total BTEX constituent concentration are below the NMOCD standard in two (2) site monitor wells, (MW-2 and MW-8). Analytical results of samples collected from the other six (6) monitor wells indicate benzene and BTEX constituent concentrations below the applicable NMOCD regulatory standard.

ANTICIPATED ACTIONS

Groundwater monitoring and annual reporting will continue in 2005. A Soil Investigation Work Plan is being prepared and will be submitted to the NMOCD in 2006.

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

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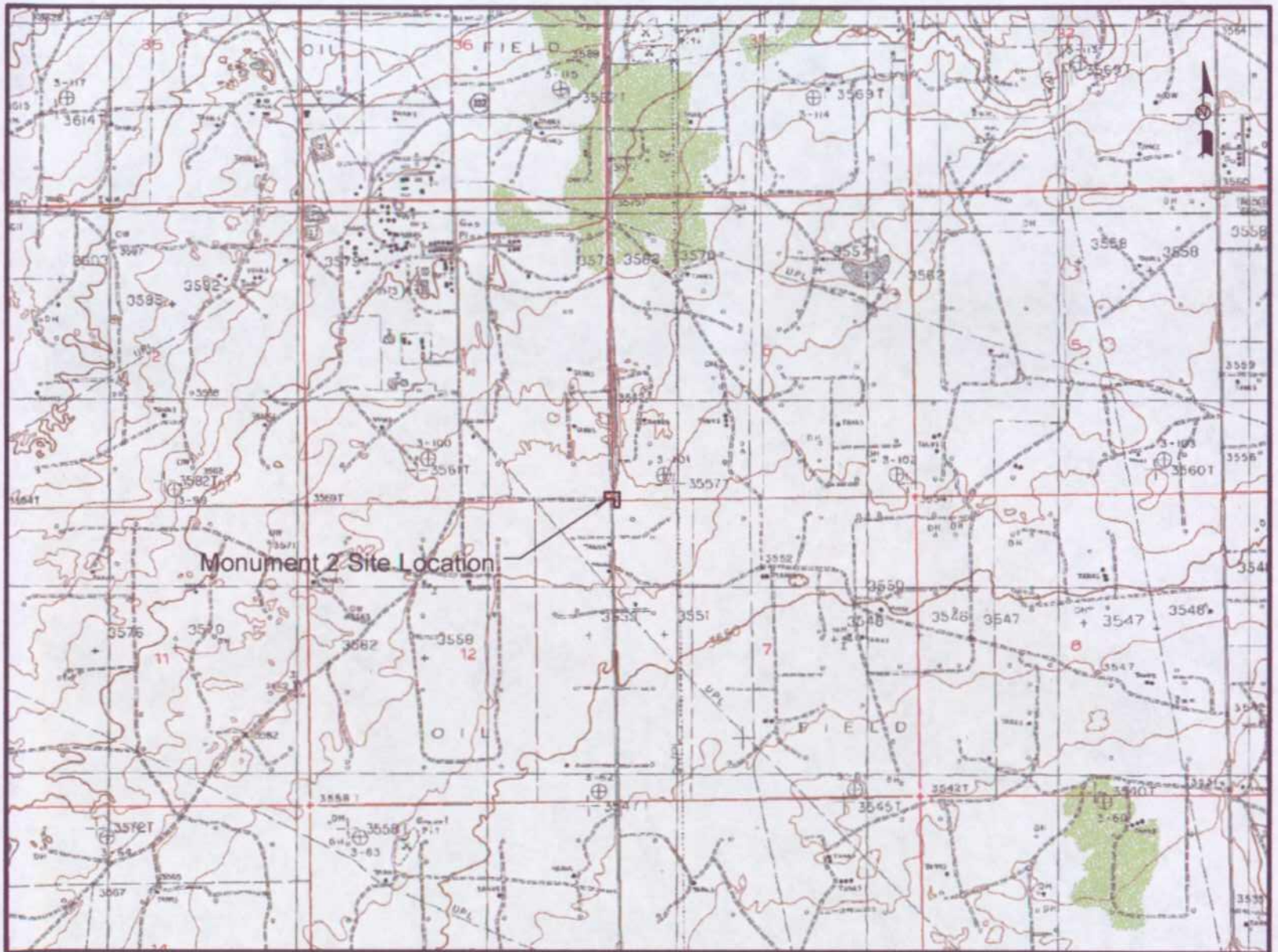
Figures



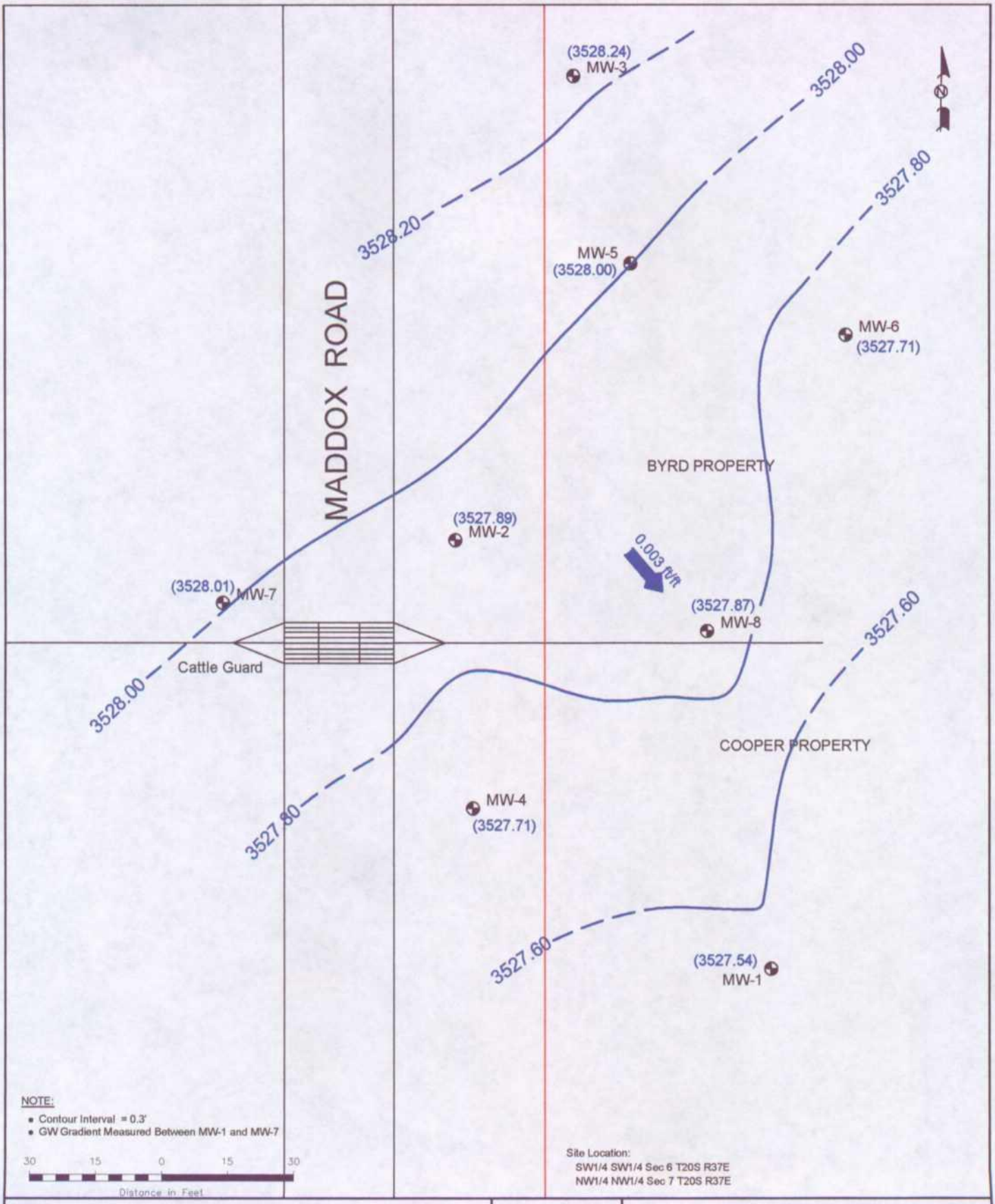
SW1/4 SW1/4 Sec 6 T20S R37E
NW1/4 NW1/4 Sec 7 T20S R37E

Figure 1
Site Location Map

Plains Marketing, L.P.
Monument 2
Lea County, NM

NOVA Safety and Environmental

NOVA safety and environmental	Scale: NTS	Prep By: CDS / Checked By: MRE
	February 25, 2005	Lat. N32° 35' 42.4" Long. W103° 17' 56.5"



LEGEND:

- Monitor Well Location
- (3528.20) Groundwater Elevation (feet)
- Pipeline
- Groundwater Elevation Contour Line
- 0.003 ft/ft Groundwater Gradient Direction and Magnitude

Figure 2A
Inferred Groundwater Gradient Map (3/11/05)
Plains Marketing, L.P.
Monument 2
Lea County, TX

NOVA Safety and Environmental

Scale: 1" = 30'	Prep By: DPM	Checked By: CDS
May 9, 2006	32° 35' 42.4"N 103° 17' 56.5"W	

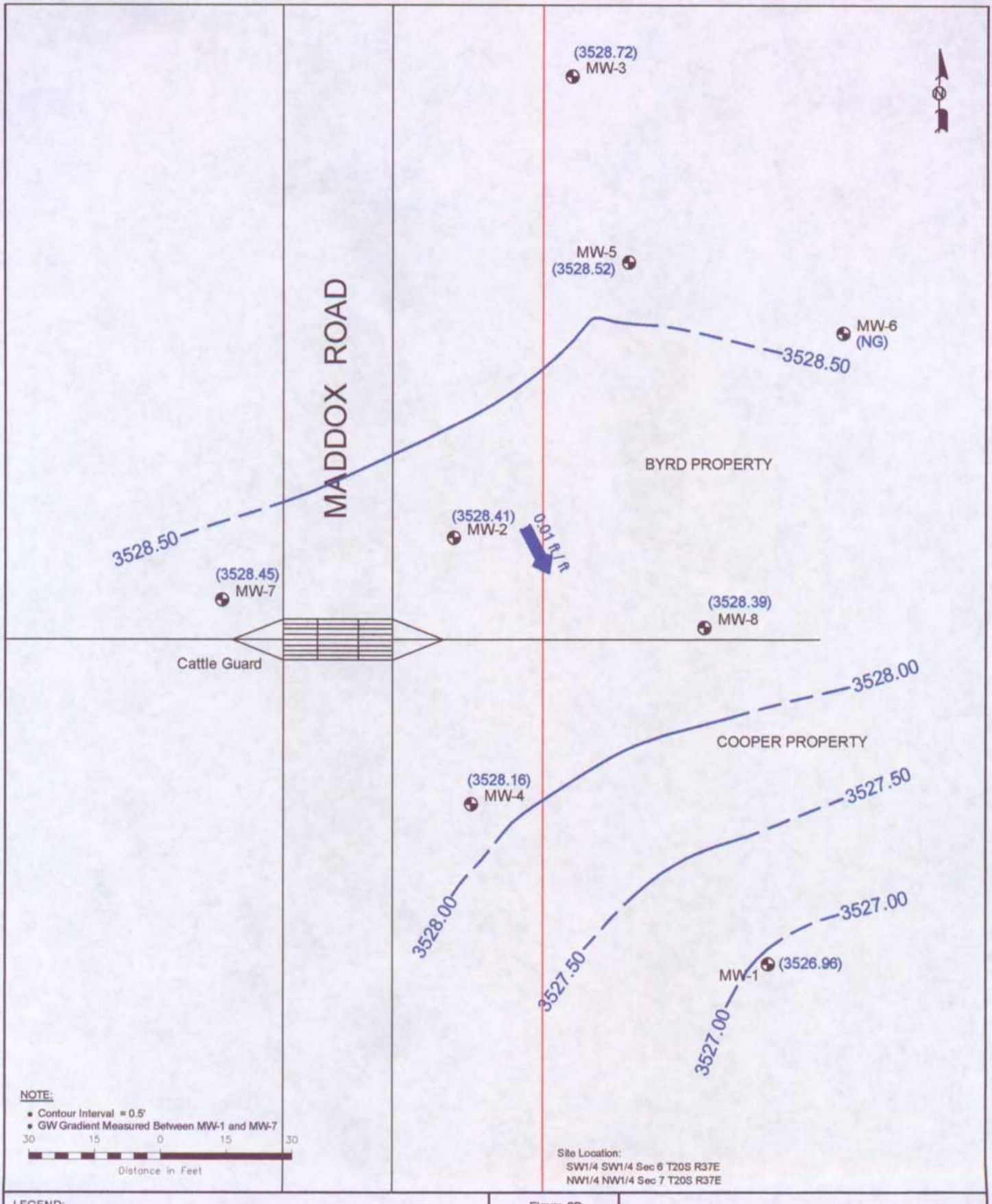


Figure 2B
Inferred Groundwater Gradient Map (6/14/05)
Plains Marketing, L.P.
Monument 2
Lea County, TX

NOVA Safety and Environmental

Scale: 1" = 30'	Prep By: DPM	Checked By: CDS
June 22, 2005	32° 35' 42.4"N 103° 17' 56.5"W	

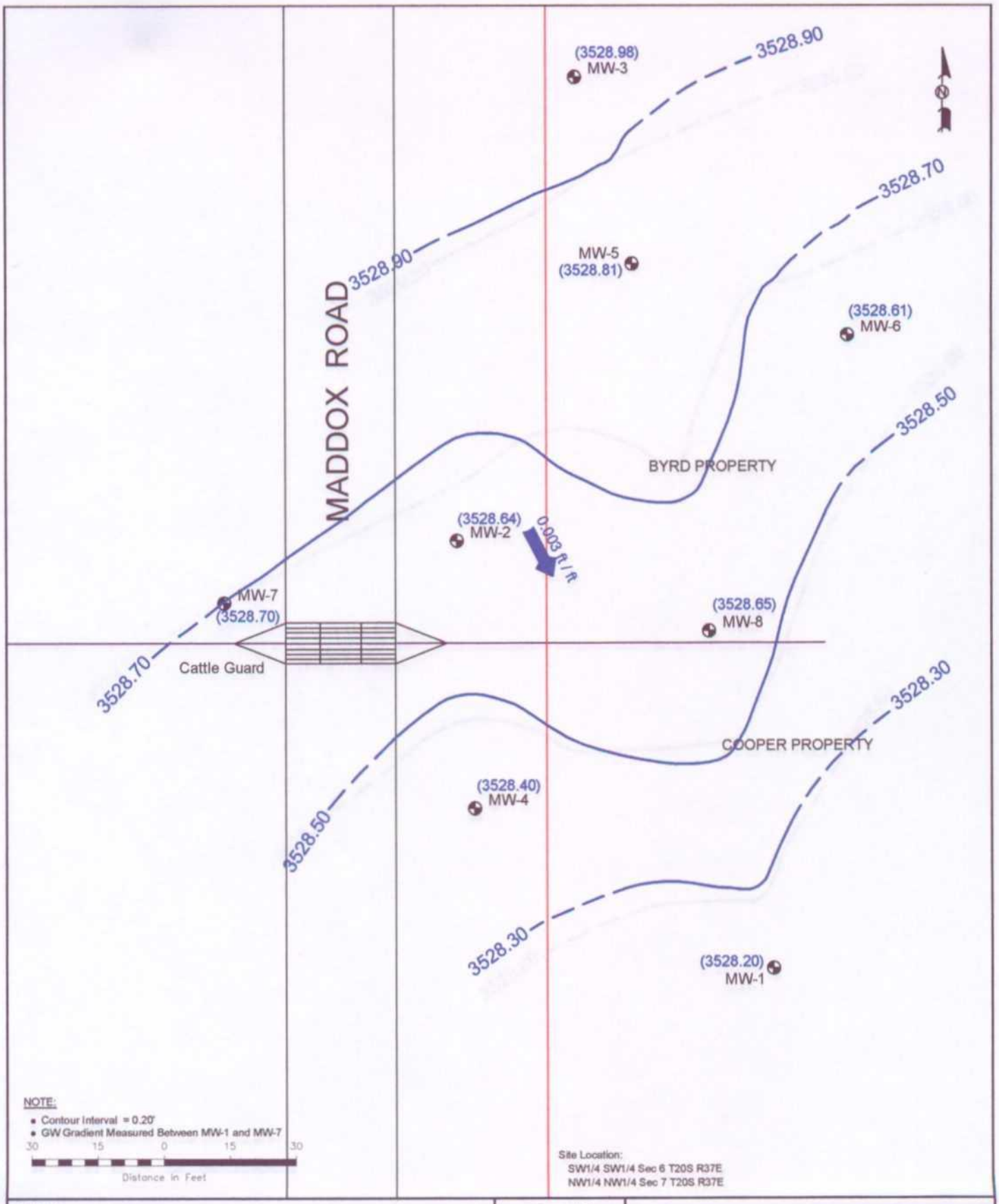
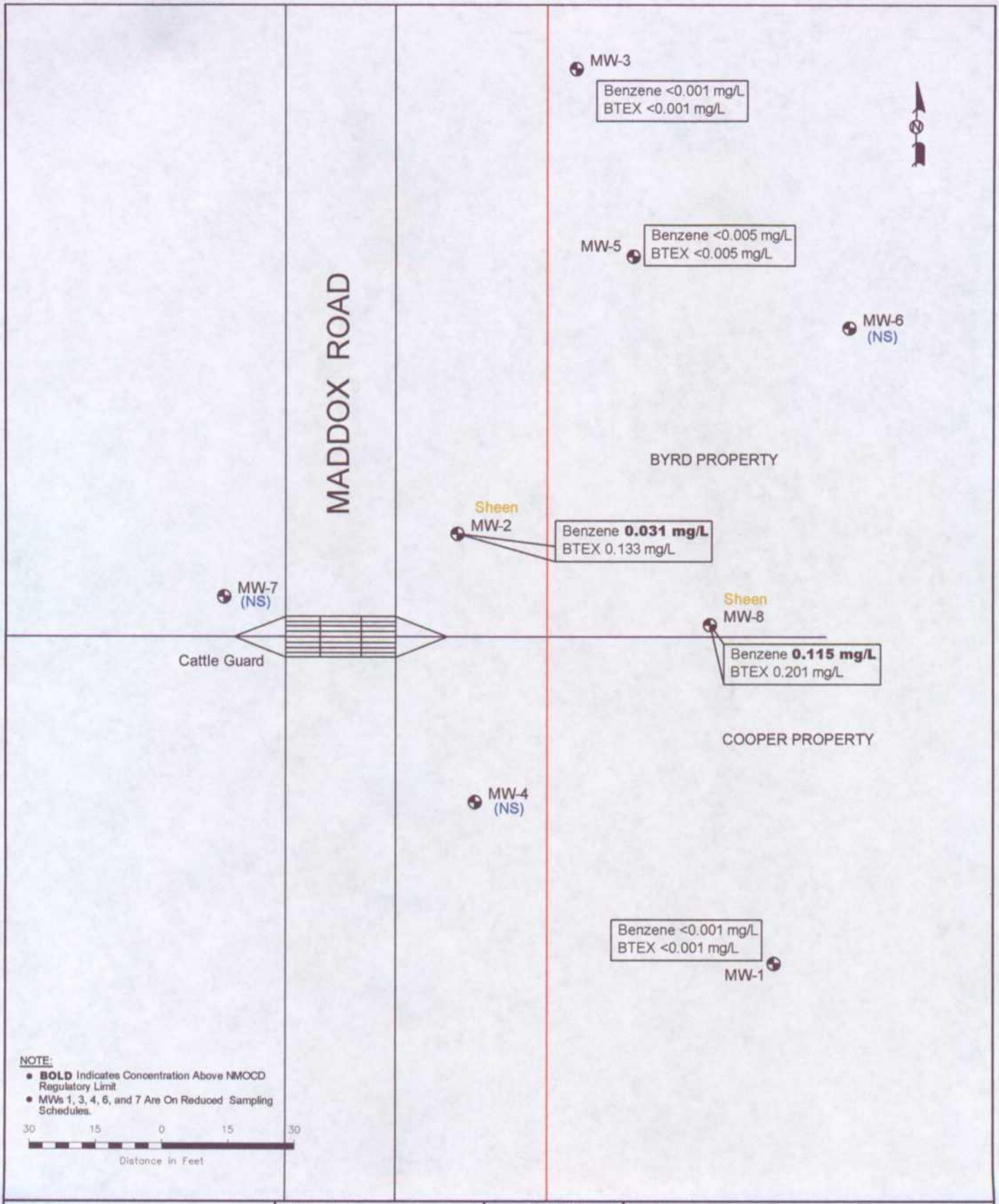


Figure 2C
Inferred Groundwater Gradient Map (9/13/05)
Plains Marketing, L.P.
Monument 2
Lea County, TX

NOVA Safety and Environmental

Scale: 1" = 30'	Prep By: DPM	Checked By: CDS
September 30, 2005	32° 35' 42.4"N 103° 17' 56.5"W	



LEGEND:

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

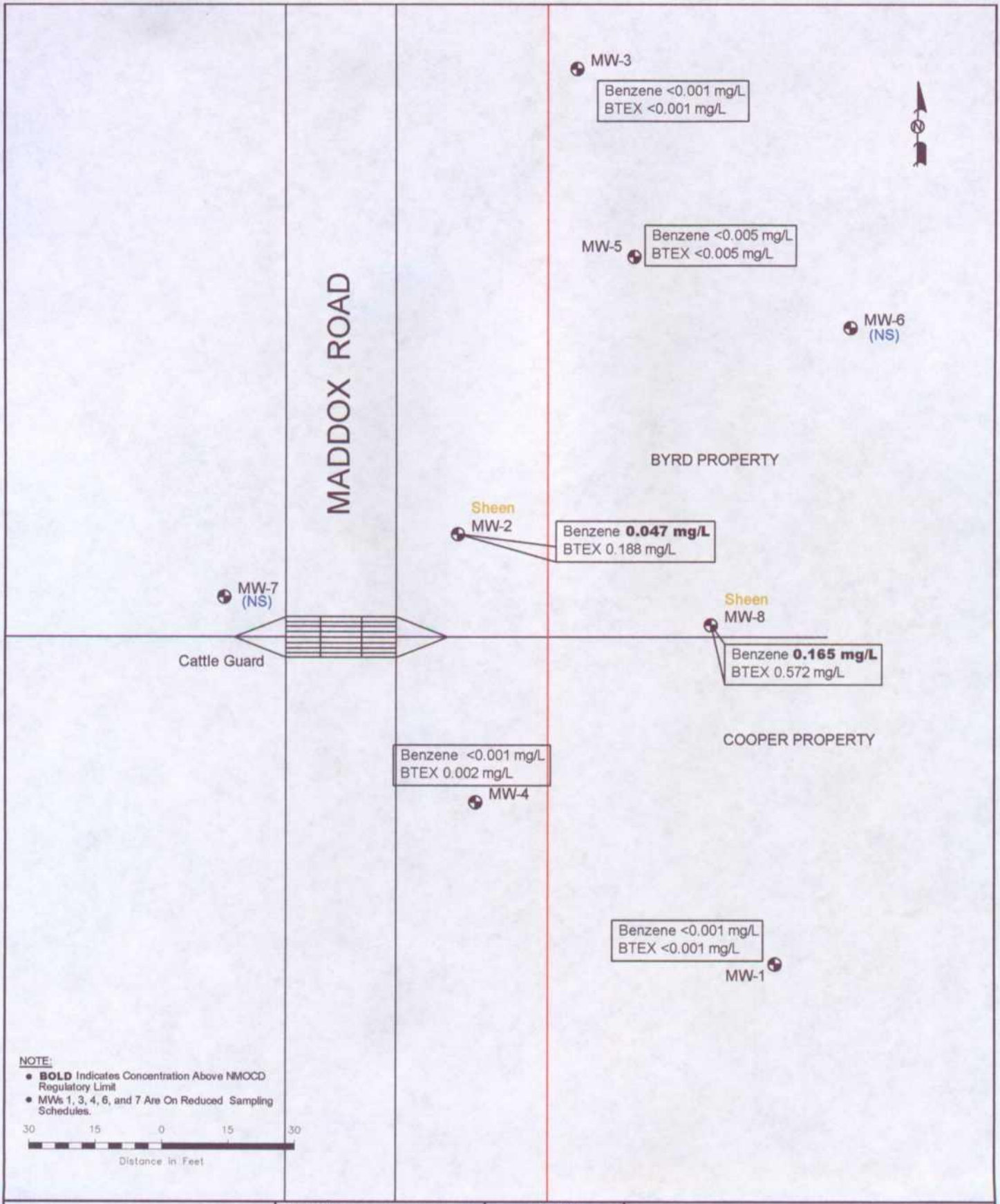
Site Location:
SW1/4 SW1/4 Sec 6 T20S R37E
NW1/4 NW1/4 Sec 7 T20S R37E
32° 35' 42.4"N
103° 17' 56.5"W

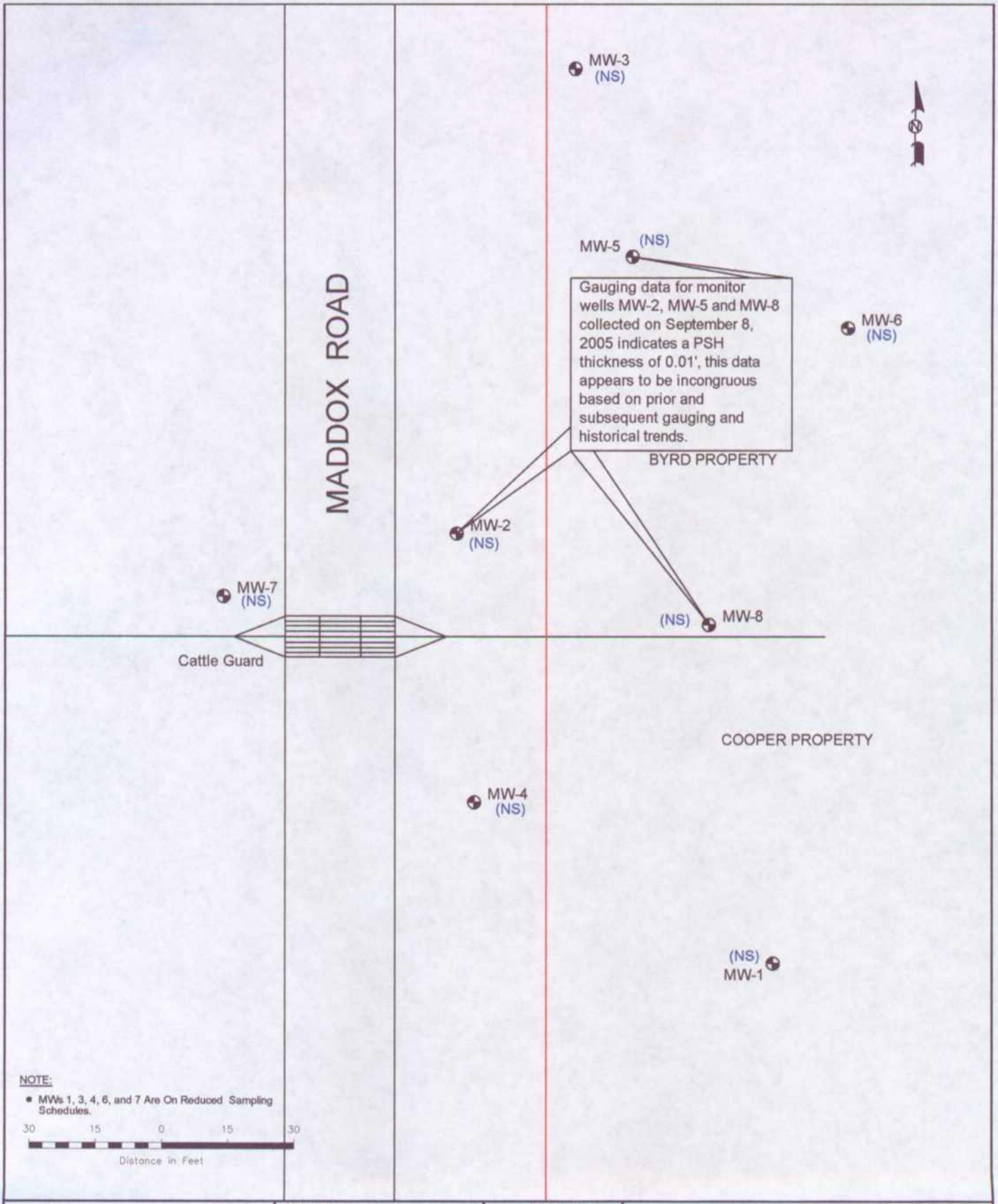
Figure 3A
Groundwater Concentration and Inferred PSH Extent Map (3/11/05)
Plains Marketing, LP
Monument 2
Lea County, TX

NOVA Safety and Environmental

NOVA safety and environmental

Scale: 1" = 30'	Prep By: DPM	Checked By: CDS
July 21, 2005		


MW-3
Benzene <0.001 mg/L
BTEX <0.001 mg/L
N
MW-5
Benzene <0.005 mg/L
BTEX <0.005 mg/L
MW-6
(NS)
MADDOX ROAD
BYRD PROPERTY
Sheen
MW-2
Benzene 0.047 mg/L
BTEX 0.188 mg/L
MW-7
(NS)
Sheen
MW-8
Benzene 0.165 mg/L
BTEX 0.572 mg/L
Cattle Guard
COOPER PROPERTY
Benzene <0.001 mg/L
BTEX 0.002 mg/L
MW-4
Benzene <0.001 mg/L
BTEX <0.001 mg/L
MW-1
NOTE:
• BOLD Indicates Concentration Above NMOCD Regulatory Limit
• MWs 1, 3, 4, 6, and 7 Are On Reduced Sampling Schedules.
30 15 0 15 30
Distance in Feet
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 (6/14/05)
Plains Marketing, LP
Monument 2
Lea County, TX
NOVA Safety and Environmental
NOVA safety and environmental
Scale: 1" = 30'
Prep By: DPM
Checked By: CDS
July 22, 2005



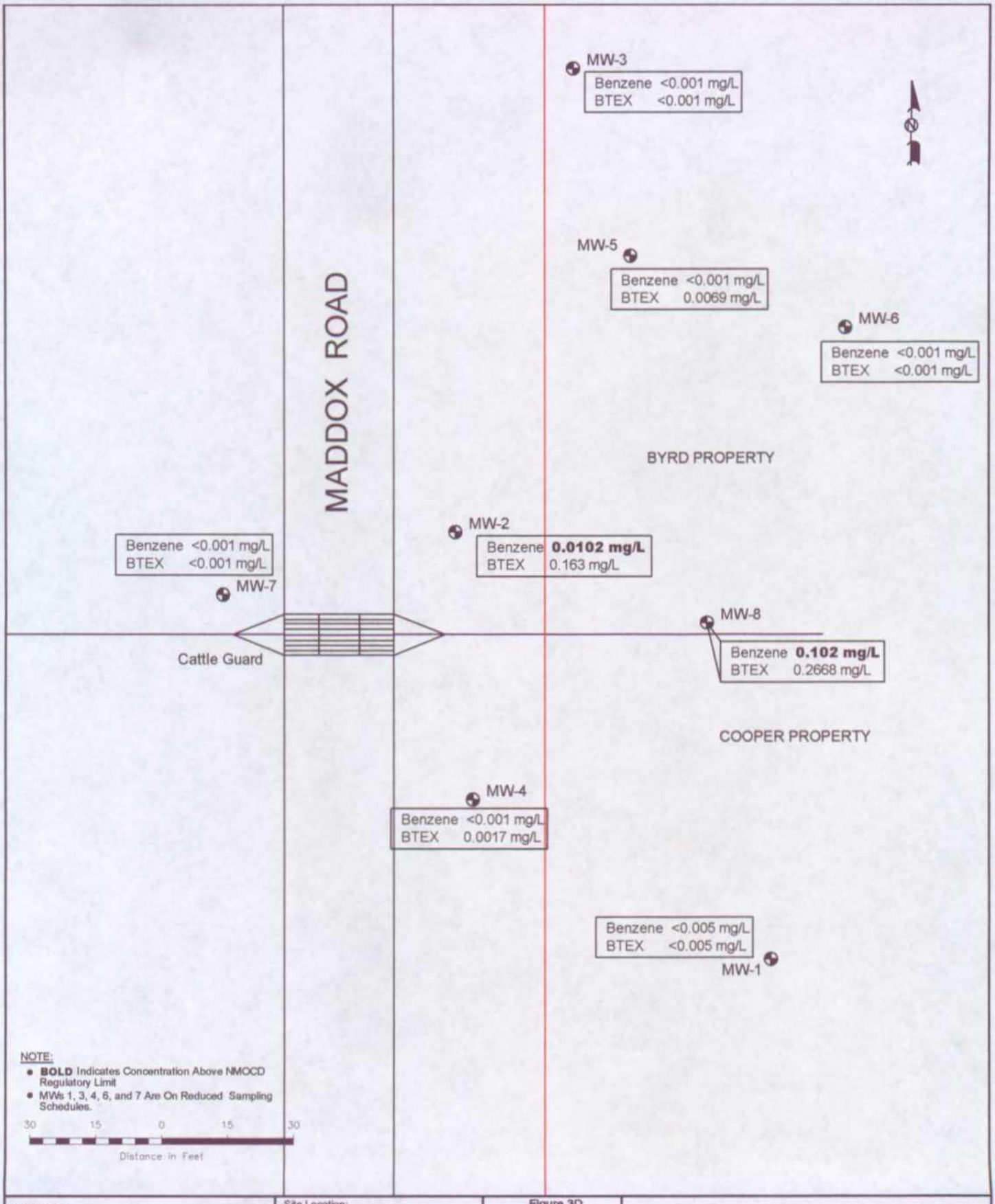
LEGEND:
- Monitor Well Location (NS) Not Sampled
- Pipeline

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 3C
Groundwater Concentration and Inferred PSH Extent Map (9/13/05)
Plains Marketing, LP
Monument 2
Lea County, TX

NOVA Safety and Environmental

Scale: 1" = 30'	Prep By: DPM	Checked By: MRE
January 30, 2006		


MW-3
Benzene <0.001 mg/L
BTEX <0.001 mg/L
MW-5
Benzene <0.001 mg/L
BTEX 0.0069 mg/L
MW-6
Benzene <0.001 mg/L
BTEX <0.001 mg/L
MADDOX ROAD
BYRD PROPERTY
MW-2
Benzene 0.0102 mg/L
BTEX 0.163 mg/L
Benzene <0.001 mg/L
BTEX <0.001 mg/L
MW-7
MW-8
Benzene 0.102 mg/L
BTEX 0.2668 mg/L
Cattle Guard
COOPER PROPERTY
MW-4
Benzene <0.001 mg/L
BTEX 0.0017 mg/L
Benzene <0.005 mg/L
BTEX <0.005 mg/L
MW-1
NOTE:
BOLD Indicates Concentration Above NMOCD Regulatory Limit
MWs 1, 3, 4, 6, and 7 Are On Reduced Sampling Schedules.
30 15 0 15 30
Distance in Feet
LEGEND:
Monitor Well Location
Pipeline
<0.001 Constituent Concentration (mg/L)
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 (12/14/05)
Plains Marketing, LP
Monument 2
Lea County, TX
NOVA Safety and Environmental
NOVA safety and environmental
Scale: 1" = 30'
Prep By: DPM
Checked By: MRE
December 29, 2005

Tables

TABLE 1

2005 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	*03/11/05*	3,560.60	-	33.06	0.00	3527.54
	06/14/05	3,560.60	-	33.64	0.00	3526.96
	09/13/05	3,560.60	-	32.40	0.00	3528.20
	12/07/05	3,560.60	-	32.12	0.00	3528.48
	12/14/05	3,560.60	-	32.09	0.00	3528.51
MW-2	01/12/05	3,561.14	sheen	33.42	0.00	3527.72
	01/19/05	3,561.14	sheen	33.40	0.00	3527.74
	01/26/05	3,561.14	sheen	33.39	0.00	3527.75
	02/01/05	3,561.14	sheen	33.38	0.00	3527.76
	02/09/05	3,561.14	sheen	33.28	0.00	3527.86
	02/16/05	3,561.14	sheen	33.33	0.00	3527.81
	02/23/05	3,561.14	sheen	33.32	0.00	3527.82
	03/02/05	3,561.14	sheen	33.29	0.00	3527.85
	03/09/05	3,561.14	sheen	33.25	0.00	3527.89
	03/11/05	3,561.14	sheen	33.25	0.00	3527.89
	03/17/05	3,561.14	sheen	33.23	0.00	3527.91
	03/23/05	3,561.14	sheen	32.27	0.00	3528.87
	03/30/05	3,561.14	sheen	33.20	0.00	3527.94
	04/06/05	3,561.14	sheen	33.20	0.00	3527.94
	04/14/05	3,561.14	sheen	33.16	0.00	3527.98
	05/24/05	3,561.14	sheen	32.93	0.00	3528.21
	06/14/05	3,561.14	-	32.73	0.00	3528.41
	06/22/05	3,561.14	sheen	32.75	0.00	3528.39
	07/28/05	3,561.14	sheen	32.65	0.00	3528.49
	08/24/05	3,561.14	sheen	32.58	0.00	3528.56
*	*09/13/05*	3,561.14	32.50	32.51	0.01	3528.64
	09/30/05	3,561.14	-	32.40	0.00	3528.74
	10/28/05	3,561.14	sheen	32.40	0.00	3528.74
	11/17/05	3,561.14	sheen	32.29	0.00	3528.85
	12/14/05	3,561.14	sheen	32.19	0.00	3528.95
	12/30/05	3,561.14	sheen	32.15	0.00	3528.99
MW-3	*03/11/05*	3,560.39	-	32.15	0.00	3528.24
	06/14/05	3,560.39	-	31.67	0.00	3528.72
	09/13/05	3,560.39	-	31.41	0.00	3528.98
	12/07/05	3,560.39	-	31.13	0.00	3529.26
	12/14/05	3,560.39	-	31.09	0.00	3529.30
MW-4	*03/11/05*	3,561.08	-	33.37	0.00	3527.71

TABLE 1

2005 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-4	*06/14/05*	3,561.08	-	32.92	0.00	3528.16
	09/13/05	3,561.08	-	32.68	0.00	3528.40
	12/07/05	3,561.08	-	32.40	0.00	3528.68
	12/14/05	3,561.08	-	32.36	0.00	3528.72
MW-5	01/12/05	3,560.20	sheen	32.39	0.00	3527.81
	01/19/05	3,560.20	sheen	32.36	0.00	3527.84
	01/26/05	3,560.20	sheen	32.34	0.00	3527.86
	02/01/05	3,560.20	sheen	32.33	0.00	3527.87
	02/09/05	3,560.20	sheen	32.32	0.00	3527.88
	02/16/05	3,560.20	sheen	32.29	0.00	3527.91
	02/23/05	3,560.20	sheen	32.25	0.00	3527.95
	03/02/05	3,560.20	sheen	32.23	0.00	3527.97
	03/09/05	3,560.20	sheen	32.22	0.00	3527.98
	03/11/05	3,560.20	sheen	32.20	0.00	3528.00
	03/17/05	3,560.20	sheen	32.19	0.00	3528.01
	03/23/05	3,560.20	sheen	32.19	0.00	3528.01
	03/30/05	3,560.20	sheen	32.10	0.00	3528.10
	04/06/05	3,560.20	sheen	32.08	0.00	3528.12
	04/14/05	3,560.20	sheen	32.03	0.00	3528.17
	05/24/05	3,560.20	sheen	31.81	0.00	3528.39
	06/14/05	3,560.20	sheen	31.68	0.00	3528.52
	06/22/05	3,560.20	sheen	31.69	0.00	3528.51
	07/28/05	3,560.20	sheen	31.59	0.00	3528.61
	08/24/05	3,560.20	sheen	31.51	0.00	3528.69
*	*09/13/05*	3,560.20	31.39	31.40	0.01	3528.81
	09/30/05	3,560.20	-	31.35	0.00	3528.85
	10/28/05	3,560.20	sheen	31.31	0.00	3528.89
	11/17/05	3,560.20	sheen	31.22	0.00	3528.98
	12/07/05	3,560.20	-	31.15	0.00	3529.05
	12/14/05	3,560.20	sheen	31.12	0.00	3529.08
	12/30/05	3,560.20	sheen	31.10	0.00	3529.10
MW-6	*03/11/05*	3,560.32	-	32.61	0.00	3527.71
	06/14/05	3,560.32	could not access well			
	09/13/05	3,560.32	-	31.71	0.00	3528.61
	12/07/05	3,560.32	-	31.43	0.00	3528.89
	12/14/05	3,560.32	-	31.40	0.00	3528.92
MW-7	*03/11/05*	3561.07	-	33.06	0.00	3528.01

TABLE 1

2005 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-7	*06/14/05*	3,561.07	-	32.62	0.00	3528.45
	09/13/05	3,561.07	-	32.37	0.00	3528.70
	12/07/05	3,561.07	-	32.10	0.00	3528.97
	12/14/05	3,561.07	-	32.07	0.00	3529.00
MW-8	01/12/05	3,561.07	sheen	33.4	0.00	3527.67
	01/19/05	3,561.07	sheen	33.32	0.00	3527.75
	01/26/05	3,561.07	sheen	33.32	0.00	3527.75
	02/01/05	3,561.07	sheen	33.29	0.00	3527.78
	02/09/05	3,561.07	sheen	33.28	0.00	3527.79
	02/16/05	3,561.07	sheen	33.25	0.00	3527.82
	02/23/05	3,561.07	sheen	33.23	0.00	3527.84
	03/02/05	3,561.07	sheen	33.20	0.00	3527.87
	03/09/05	3,561.07	sheen	33.18	0.00	3527.89
	03/11/05	3,561.07	sheen	33.20	0.00	3527.87
	03/17/05	3,561.07	sheen	33.15	0.00	3527.92
	03/23/05	3,561.07	sheen	33.14	0.00	3527.93
	03/30/05	3,561.07	sheen	33.08	0.00	3527.99
	04/06/05	3,561.07	sheen	33.07	0.00	3528.00
	04/14/05	3,561.07	sheen	33.01	0.00	3528.06
	05/24/05	3,561.07	sheen	32.89	0.00	3528.18
	06/14/05	3,561.07	-	32.68	0.00	3528.39
	06/22/05	3,561.07	sheen	32.74	0.00	3528.33
	07/28/05	3,561.07	sheen	32.63	0.00	3528.44
	08/24/05	3,561.07	sheen	32.52	0.00	3528.55
*	*09/13/05*	3,561.07	32.42	32.43	0.01	3528.65
	09/30/05	3,561.07	32.32	32.33	0.01	3528.75
	10/28/05	3,561.07	sheen	32.34	0.00	3528.73
	11/17/05	3,561.07	32.19	32.23	0.04	3528.87
	12/07/05	3,561.07	-	32.18	0.00	3528.89
	12/14/05	3,561.07	-	32.14	0.00	3528.93
	12/30/05	3,561.07	sheen	32.12	0.00	3528.95

* Gauging data for monit wells MW-2, MW-5 and MW-8 collected on September 13, 2005 indicates a PSH thickness of 0.01 feet; this data appears to be incongruous based on prior and subsequent data and historical trends.

TABLE 2

2005 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	03/11/05	<0.001	<0.001	<0.001	<0.001	
	06/14/05	<0.001	<0.001	<0.001	<0.001	
	09/13/05	Not sampled due to sample reduction				
	12/14/05	<0.005	<0.005	<0.005	<0.005	
MW-2	03/11/05	**0.031**	<0.005	0.038	0.063	
	06/14/05	**0.047**	0.006	0.063	0.072	
	09/13/05	Not Sampled				
	12/14/05	**0.0102**	<0.005	0.0802	0.0726	
MW-3	03/11/05	<0.001	<0.001	<0.001	<0.001	
	06/14/05	<0.001	<0.001	<0.001	<0.001	
	09/13/05	Not sampled due to sample reduction				
	12/14/05	<0.001	<0.001	<0.001	<0.001	
MW-4	03/11/05	Not sampled due to sample reduction				
	06/14/05	<0.001	<0.001	0.0016	<0.001	
	09/13/05	Not sampled due to sample reduction				
	12/14/05	<0.001	<0.001	0.0017	<0.001	
MW-5	03/11/05	<0.005	<0.005	0.00790	<0.005	
	06/14/05	<0.005	<0.005	0.00510	<0.005	
	09/13/05	Not Sampled				
	12/14/05	<0.001	<0.001	0.0069	<0.001	
MW-6	03/11/05	Not sampled due to sample reduction				
	06/14/05	Not Sampled due to sample reduction				
	09/13/05	Not sampled due to sample reduction				
	12/14/05	<0.001	<0.001	<0.001	<0.001	
MW-7	03/11/05	Not sampled due to sample reduction				
	06/14/05	Not sampled due to sample reduction				
	09/13/05	Not sampled due to sample reduction				
	12/14/05	<0.001	<0.001	<0.001	<0.001	
MW-8	03/11/05	**0.115**	<0.05	<0.05	0.0855	
	06/14/05	**0.165**	0.027	0.109	0.271	
	09/13/05	Not Sampled				
	12/14/05	**0.102**	0.0238	<0.01	0.141	

Appendices

Appendix A:
Notification of Release 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	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 Unknown	Date and Hour of Discovery
Was Immediate Notice Given? Yes ☐ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

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:	OIL CONSERVATION DIVISION	
Printed Name: Camille Reynolds	Approved by District Supervisor:	
Title: Remediation Coordinator	Approval Date:	Expiration Date:
E-mail Address: cjreynolds@paalp.com	Conditions of Approval:	Attached ☐
Date: 3/21/2005 Phone: (505)441-0965		

* Attach Additional Sheets If Necessary

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

July 7, 2005

Ms. Camille Reynolds
Plains Marketing, L.P.
3112 West Highway 82
Lovington, NM 88260

Re: 2004 Annual Monitoring Report
Monument 2 Release Site
SW/4 SW/4 of Sec. 6, Twp. 20 South, Rng. 37 East, and
NW/4 NW/4 of Sec. 7, Twp. 20 South, Rng 37 East
Lea County, New Mexico
Plains EMS Number TNM Monument 2-Known
NMOCD File Number 1R-0110

Dear Ms. Reynolds:

The New Mexico Oil Conservation Division (NMOCD) has received and reviewed the report shown above, dated April 2005 and prepared on behalf of Plains Marketing, L.P. (Plains) by Nova Safety and Environmental. This report is accepted with the following understandings and conditions:

1. Groundwater monitoring and reporting will continue in 2005.
2. Monitor wells MW-1 and MW-3 may be placed on an annual sampling schedule.
3. Included in the 2005 Annual Monitoring Report, due by April 30, 2006, will be a summary of the soil remediation/excavation activities that have transpired at this site.

NMOCD acceptance of this report does not relieve Plains of liability should its operations at this site prove to have been harmful to public health or the environment. Nor does it relieve Plains of its responsibility to comply with the rules and regulations of any other federal, state, or local governmental entity.

NEW MEXICO OIL CONSERVATION DIVISION

Ed Martin

Edwin E. Martin
Environmental Bureau

Cc: NMOCD, Hobbs

PLAINS
ALL AMERICAN

March 29, 2005

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

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

Dear Mr. Martin:

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

LF-59	Section 32, Township 19 South, Range 37 East, Lea County
TNM 97-04	Section 11, Township 16 South, Range 35 East, Lea County
HDO 90-23	Section 06, Township 20 South, Range 37 East, Lea County
Darr Angell 2	Section 11,14, Township 15 South, Range 37 East, Lea County
SPS 11	Section 18, Township 18 South, Range 36 East, Lea County
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
Red Byrd # 1	Section 01, Township 20 South, Range 36 East, Lea County
Bob Durham	Section 31, 32, Township 19 South, Range 37 East, Lea County
Monument Site 11	Section 30, Township 19 South, Range 37 East, Lea County
Darr Angell 1	Section 11, Township 15 South, Range 37 East, Lea County
TNM 98-05B	Section 26, Township 21 South, Range 37 East, Lea County
Monument Site 2	Section 6, 7, Township 20 South, Range 37 East, Lea County
Monument Site 10	Section 32, Township 19 South, Range 37 East, Lea County
Monument Site 17	Section 29, Township 19 South, Range 37 East, Lea County
Monument Site 18	Section 07, Township 20 South, Range 37 East, Lea County
Monument Barber 10" PL	Section 32, Township 19 South, Range 37 East, Lea County
Darr Angell 4	Section 11, 02, Township 15 South, Range 37 East, Lea County
Monument to Lea 6"	Section 05, Township 20 South, Range 37 East, Lea County
Texaco Skelly "F"	Section 21, Township 20 South, Range 37 East, Lea County

PLAINS
ALL AMERICAN

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 21 facilities.

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

Sincerely,

Dan Byrd for CR

Camille Reynolds
Remediation Coordinator
Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosures

2004
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

NOVA safety and environmental

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
Midland, Texas 79703

April, 2005

Ryan Epley
Geologist / Project Manager

Todd K. Choban
Vice President Technical Services

2057 Commerce Drive | Midland, Texas 79703 | 432 520-7720 | 432 520-7701 *fax*

TABLE OF CONTENTS

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ENCLOSED ON DATA DISK

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 1st 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 2004 only. However, historic data tables as well as 2004 laboratory analytical reports are presented on the enclosed disk. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during each of four (4) quarters during 2004 to assess the levels and extent of dissolved phase and phase separated hydrocarbon (PSH) constituents. Each groundwater monitoring event consisted of measuring static water levels in monitor wells, checking for the presence of PSH atop 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 06, Township 20 South, Range 37 East and NW ¼ NW ¼ Section 07, 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 initial site investigation consisting of the installation of seven groundwater monitor wells (MW-1 through MW-7) was conducted by other environmental consultants.

Currently, there are eight (8) monitor wells (MW-1 through MW-8) on-site. NOVA installed monitor well MW-8 on November 5, 2004 to further delineate the impact to soil and groundwater at the site. Manual product recovery occurs weekly from those monitor wells containing PSH.

FIELD ACTIVITIES

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:

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

The site monitor wells were gauged and sampled on March 8th, May 25th, August 31st, and December 13th, 2004. 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 2004 is provided as Table 1. Historic groundwater elevation data beginning at project inception is presented on the enclosed disk.

The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.003 ft./ft. to the southeast as measured between groundwater monitor wells MW-1 and MW-3. This is consistent with data presented on Figures 2A through 2C from earlier in the year. The corrected groundwater elevation has ranged between 3,526.09 and 3,528.46 feet above mean sea level, in MW-1 on August 31, 2004 and MW-2 on November 30, 2004, respectively.

Monitor well MW-8 was installed on November 5, 2004 to further delineate the impact to groundwater at the site. Absorbent socks were installed in monitor wells MW-2, MW-3, MW-5, and MW-8 during 2004 for passive product recovery.

Measurable thicknesses of PSH were detected in MW-2, MW-5 and MW-8 during the reporting period. The average thickness of PSH for the year was 0.66 feet in the on-site monitor wells, with a maximum thickness of 2.60 feet measured in MW-2 on August 31, 2004. The PSH thickness in MW-2 decreased from 2.78 feet in February 2004 to a sheen by November 2004. The PSH thickness in MW-5 fluctuated from 0.01 feet in February 2004 to 0.42 feet in September 2004 down to a sheen in October 2004. Newly installed monitor well MW-8 reported a measurable thickness during one event in November 2004. No measurable volume of PSH was recovered from the site during 2004. Approximately 51 gallons (1.2 barrels) of product have been recovered by manual recovery methods since project inception. Refer to Table 1 for 2004 groundwater gauging information.

LABORATORY RESULTS

Groundwater samples collected during the first three quarterly monitoring events were delivered to AnalySys Inc., Austin, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method SW846-8260b. Fourth quarter sample analysis was performed by Trace Analysis, Inc., of Lubbock, Texas for determination of BTEX constituent concentrations by EPA Method SW846-8021b. A listing of BTEX constituent concentrations for 2004 is summarized in Table 2. Copies of the laboratory reports for 2004 are provided on the enclosed disk. The quarterly groundwater sample results for benzene and BTEX concentrations are depicted on Figures 3A-3D.

Review of laboratory analytical results of the groundwater samples obtained during the 2004 monitoring period indicate that the benzene and total BTEX concentrations remain below applicable NMOCD standards in monitor wells MW-1, MW-3, MW-4, MW-6, and MW-7. The groundwater samples collected from the newly installed monitor well MW-8 reported a benzene concentration above the applicable NMOCD regulatory standard and below the NMOCD standard for BTEX. As mentioned above, measurable thicknesses of PSH were measured in monitor wells MW-2 and MW-5 during the first three (3) quarters of the reporting period and were not sampled. Samples collected from monitor well MW-2 and MW-5 during the fourth quarter of 2004 indicated benzene and BTEX constituent concentrations below the applicable NMOCD regulatory standard.

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 2004 annual monitoring period. Currently, there are eight (8) groundwater monitor wells (MW-1 through MW-8) on-site. Monitor well MW-8 was installed on November 5, 2004. During 2004, absorbent socks were installed in MW-2, MW-3, MW-5, and MW-8 for passive product recovery. These wells are gauged weekly. The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.003 ft./ft. to the southeast.

Measurable thicknesses of PSH were detected in MW-2, MW-5 and MW-8 during the reporting period. The average thickness of PSH for the year was 0.66 feet in the on-site monitor wells, with a maximum thickness of 2.60 feet measured in MW-2 on August 31, 21004. No measurable volume of PSH was recovered from the site during 2004. Approximately 51 gallons (1.2 barrels) of product have been recovered by manual recovery methods since project inception. PSH impact at the site appears to be limited at this time. Based on the gauging data, PSH impact appears to be limited to monitor wells MW-2, MW-3, MW-5 and MW-8, although monitor well MW-3 displayed a sheen of PSH only and only during December, 2004. PSH impact at the site appears to be decreasing based on the PSH thicknesses displayed by monitor

wells MW-2 and MW-5, which are the only monitor wells at the site to historically display PSH. Refer to Table 1 for 2004 groundwater gauging information.

Review of laboratory analytical results of the groundwater samples obtained during the 2004 monitoring period indicate the benzene concentration is above the applicable NMOCD standard in monitor well MW-8 only. Monitor well MW-8 displayed a total BTEX concentration below the NMOCD regulatory standard. Analytical results of samples collected from the other (7) monitor wells (MW-1 through MW-7) indicate BTEX constituent concentrations below the applicable NMOCD regulatory standard.

ANTICIPATED ACTIONS

Groundwater monitoring and annual reporting will continue in 2005. Plains requests from the NMOCD that the schedule for monitor wells MW-1 and MW-3 be reduced to annual based on the lack of any detectable concentration of BTEX constituents in the last seven (7) sampling events since 2002.

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 Martin
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
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Santa Fe, NM 87505

Copy 2: Paul Sheeley and Larry Johnson
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
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Hobbs, NM 88240

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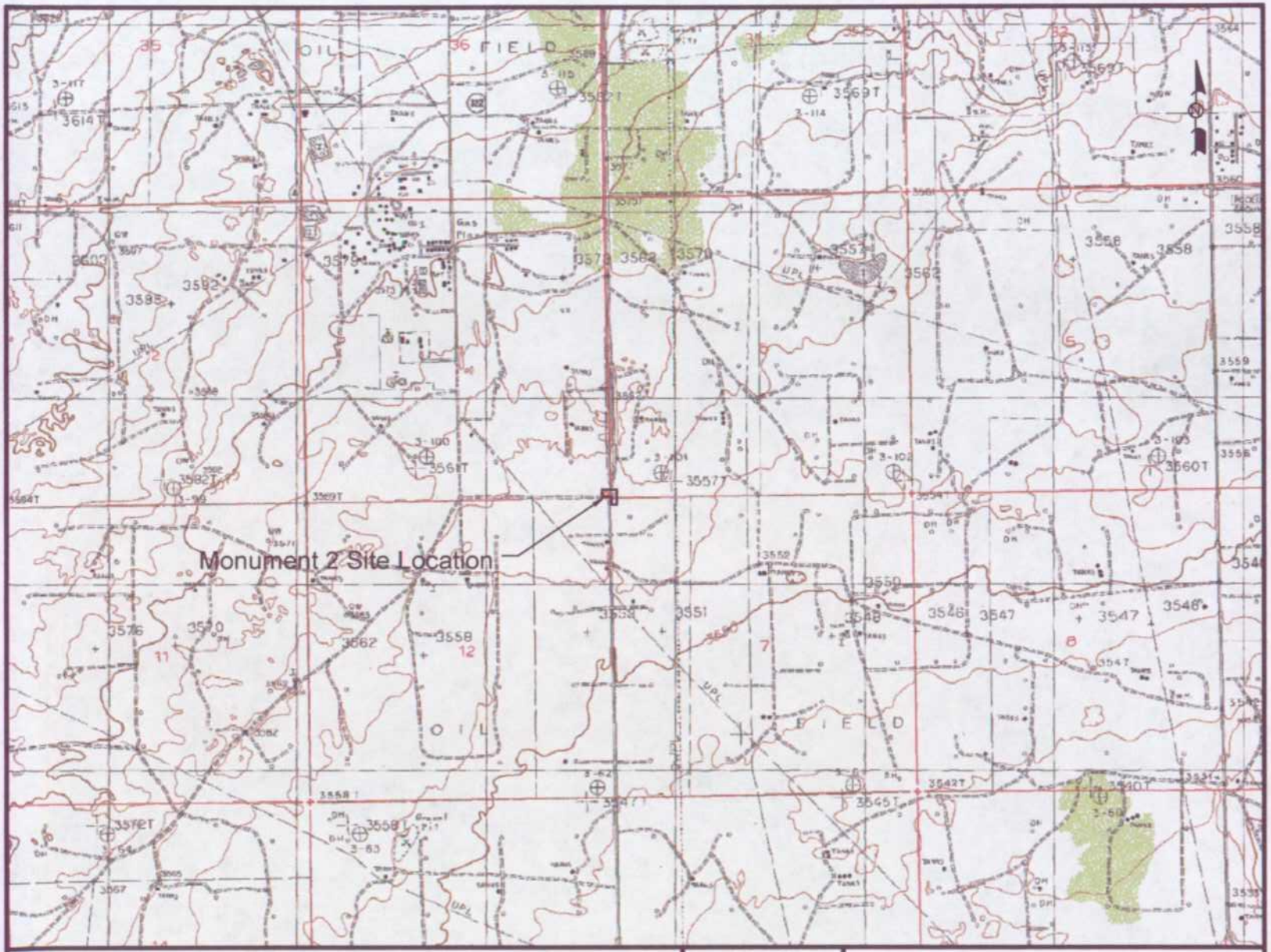
repley@novatraining.cc

Copy Number:

Figures



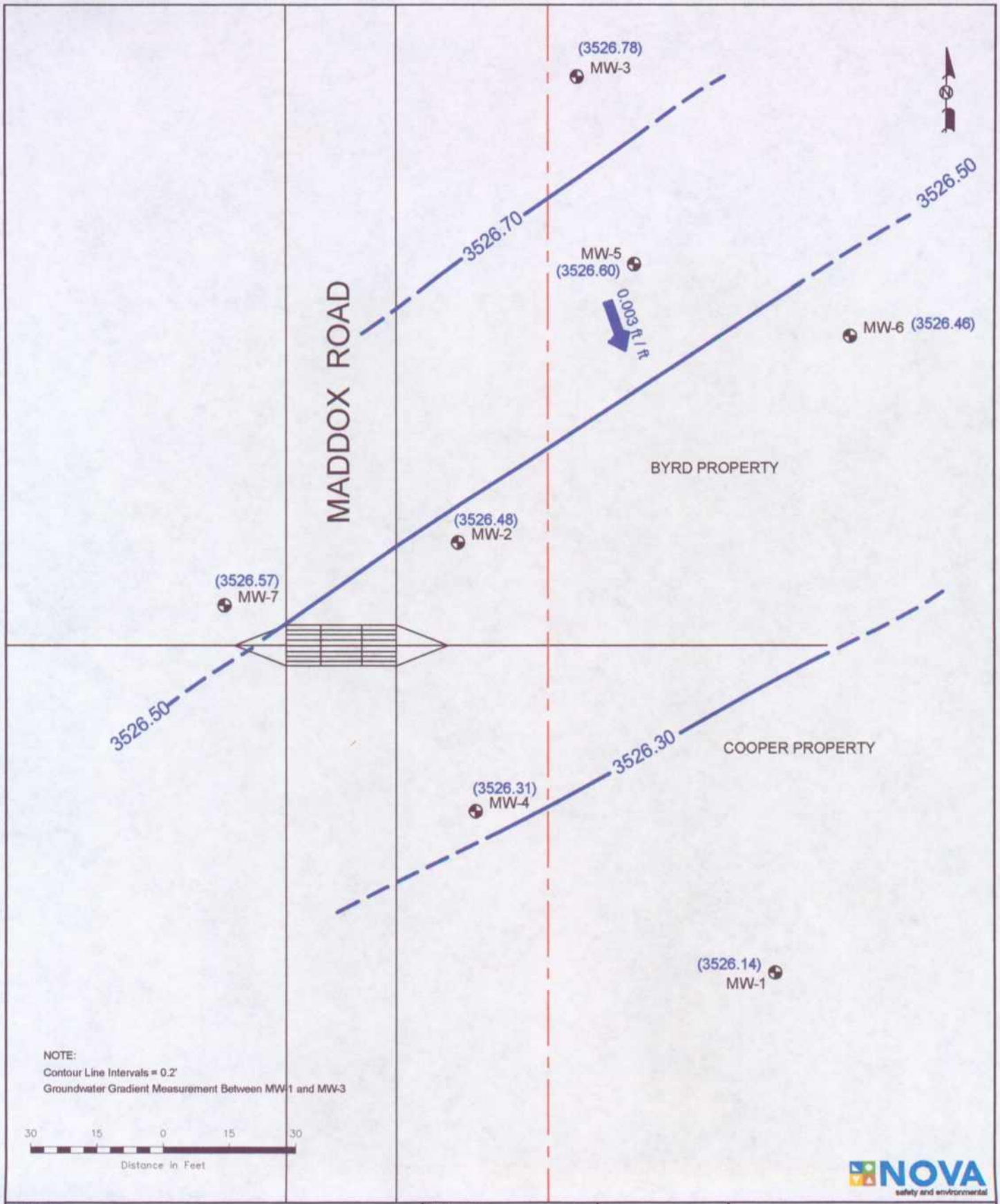
SW1/4 SW1/4 Sec 6 T20S R37E
NW1/4 NW1/4 Sec 7 T20S R37E
SE1/4 SE1/4 Sec 1 T20S R36E

Figure 1
Site Location Map

Plains Marketing, L.P.
Monument 2
Lea County, NM

NOVA Safety and Environmental

NOVA safety and environmental	Scale: NTS	Prep By: CDS / Checked By: MRE
	February 25, 2005	Lat. N32° 35' 42.4" Long. W103° 17' 56.5"



LEGEND:

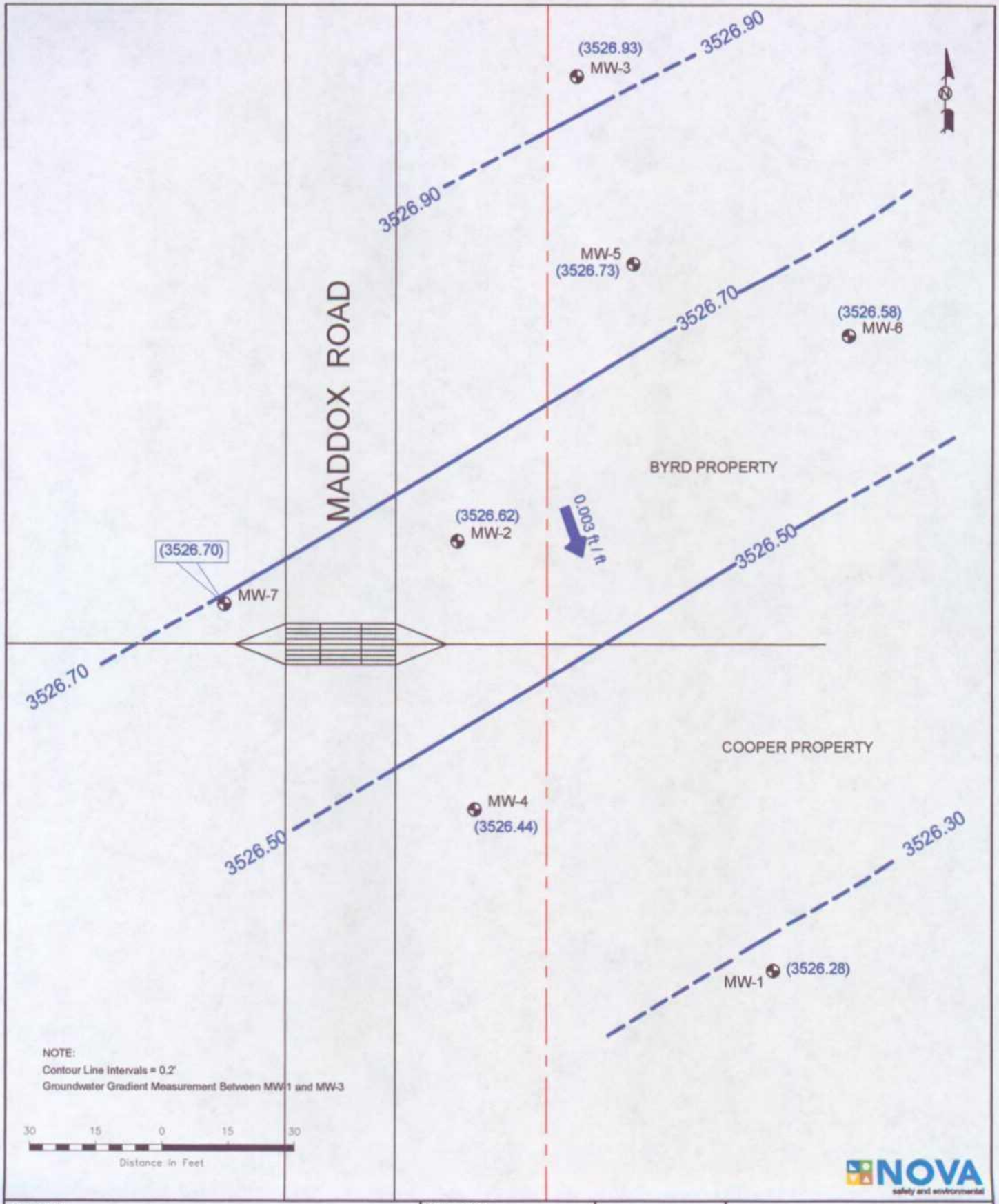
- Monitor Well Locations
- Pipeline
- Groundwater Contour Lines
- (3526.48) Groundwater Elevation In Feet
- Groundwater Gradient Direction and Magnitude

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 2A
Inferred Groundwater Gradient Map (3/8/04)
Plains Marketing L.P.
Monument 2
Lea County, TX

NOVA Safety and Environmental

Scale: 1" = 30'	Prep By: DPM	Checked By: MRE
February 24, 2005		



LEGEND:

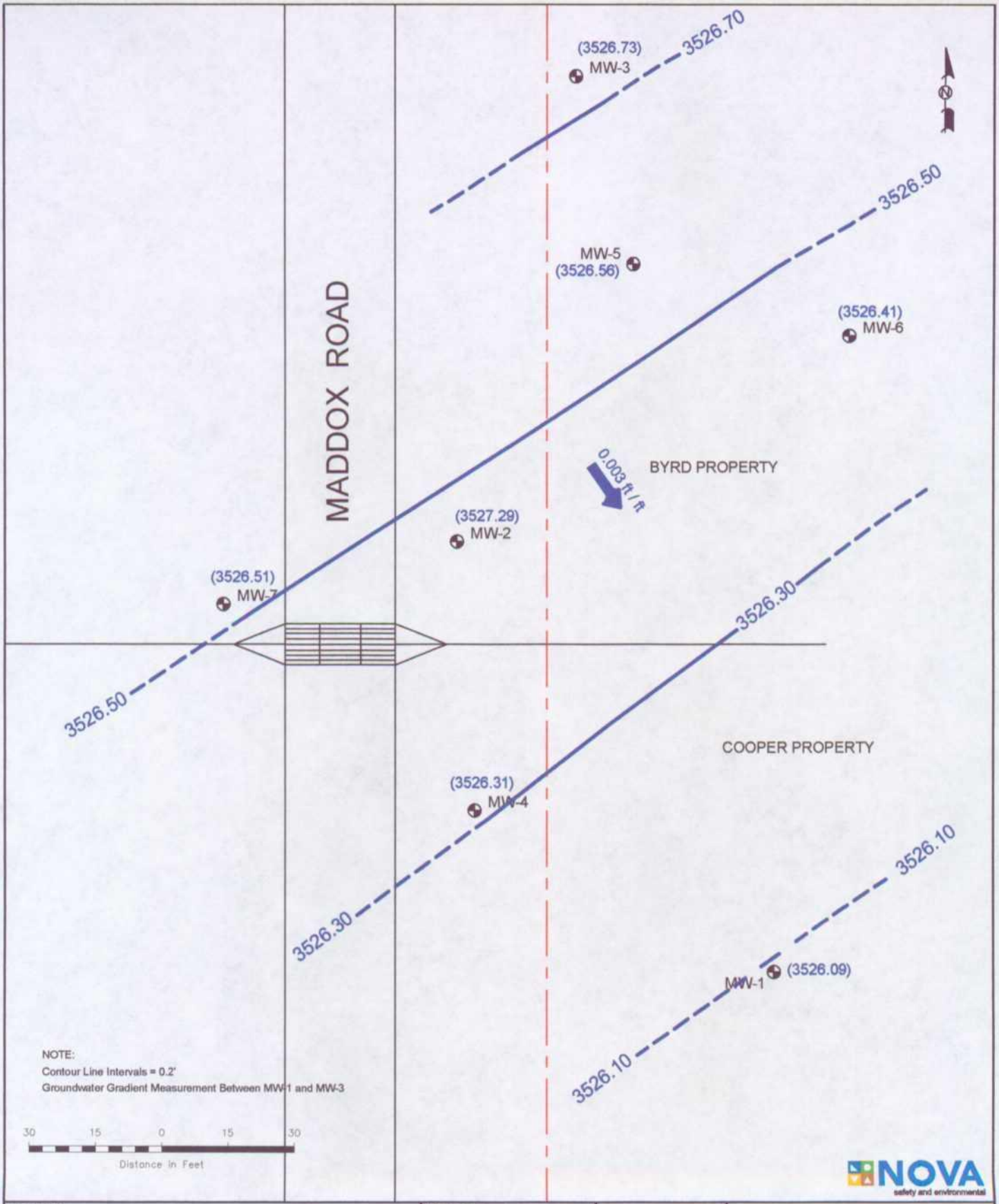
- Monitor Well Locations
- Pipeline
- Groundwater Contour Lines
- (3526.28) Groundwater Elevation In Feet
- Groundwater Gradient Direction and Magnitude

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 2B
Inferred Groundwater Gradient Map (5/25/04)
Plains Marketing L.P.
Monument 2
Lea County, TX

NOVA Safety and Environmental

Scale: 1" = 30'	Prep By: DPM	Checked By: MRE
February 24, 2005		



LEGEND:

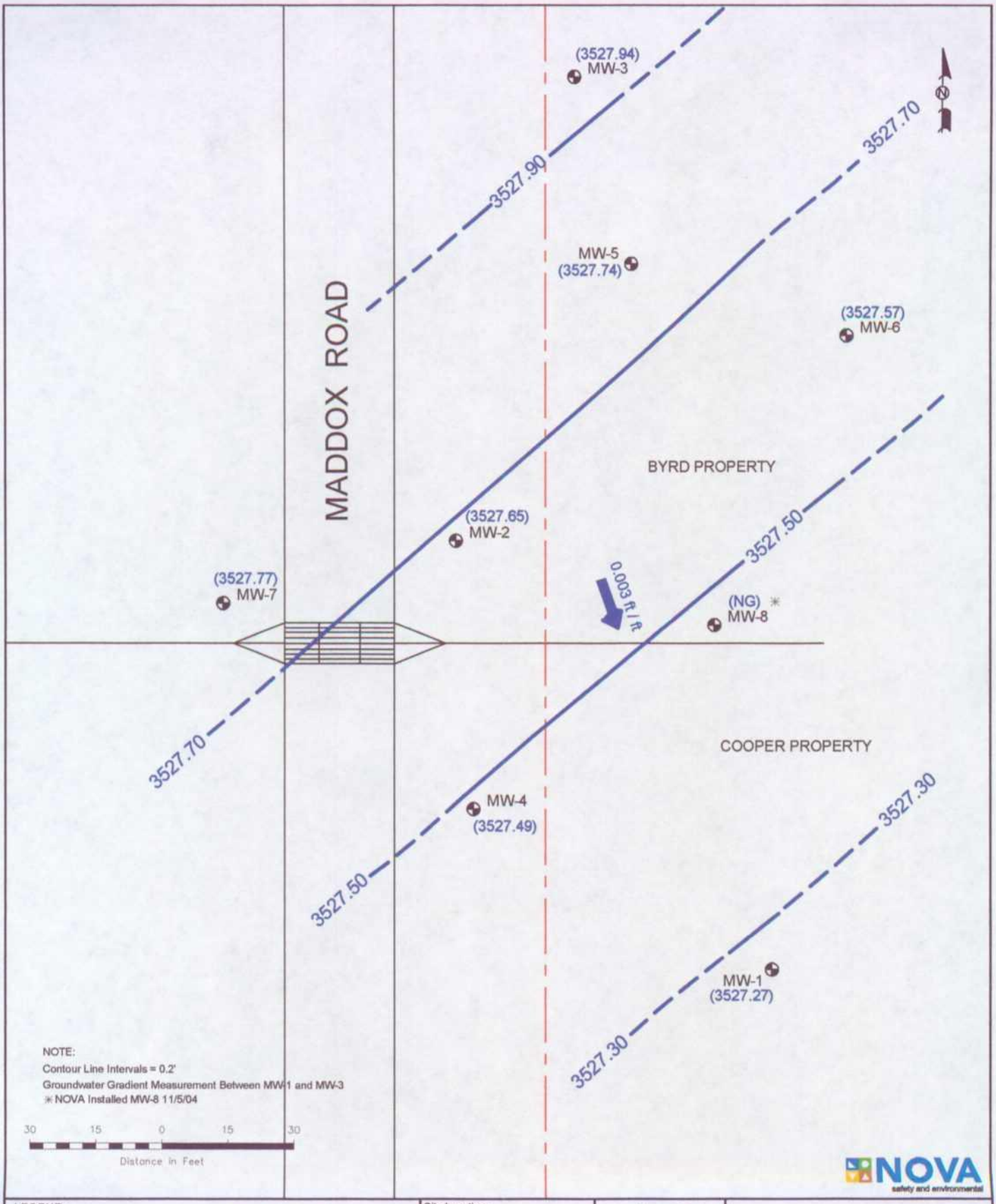
- Monitor Well Locations
- Pipeline
- Groundwater Contour Lines
- (3527.29) Groundwater Elevation In Feet
- Groundwater Gradient Direction and Magnitude

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 2C
Inferred Groundwater Gradient Map (8/31/04)
Plains Marketing L.P.
Monument 2
Lea County, TX

NOVA Safety and Environmental

Scale: 1" = 30'	Prep By: DPM	Checked By: MRE
February 24, 2005		



LEGEND:

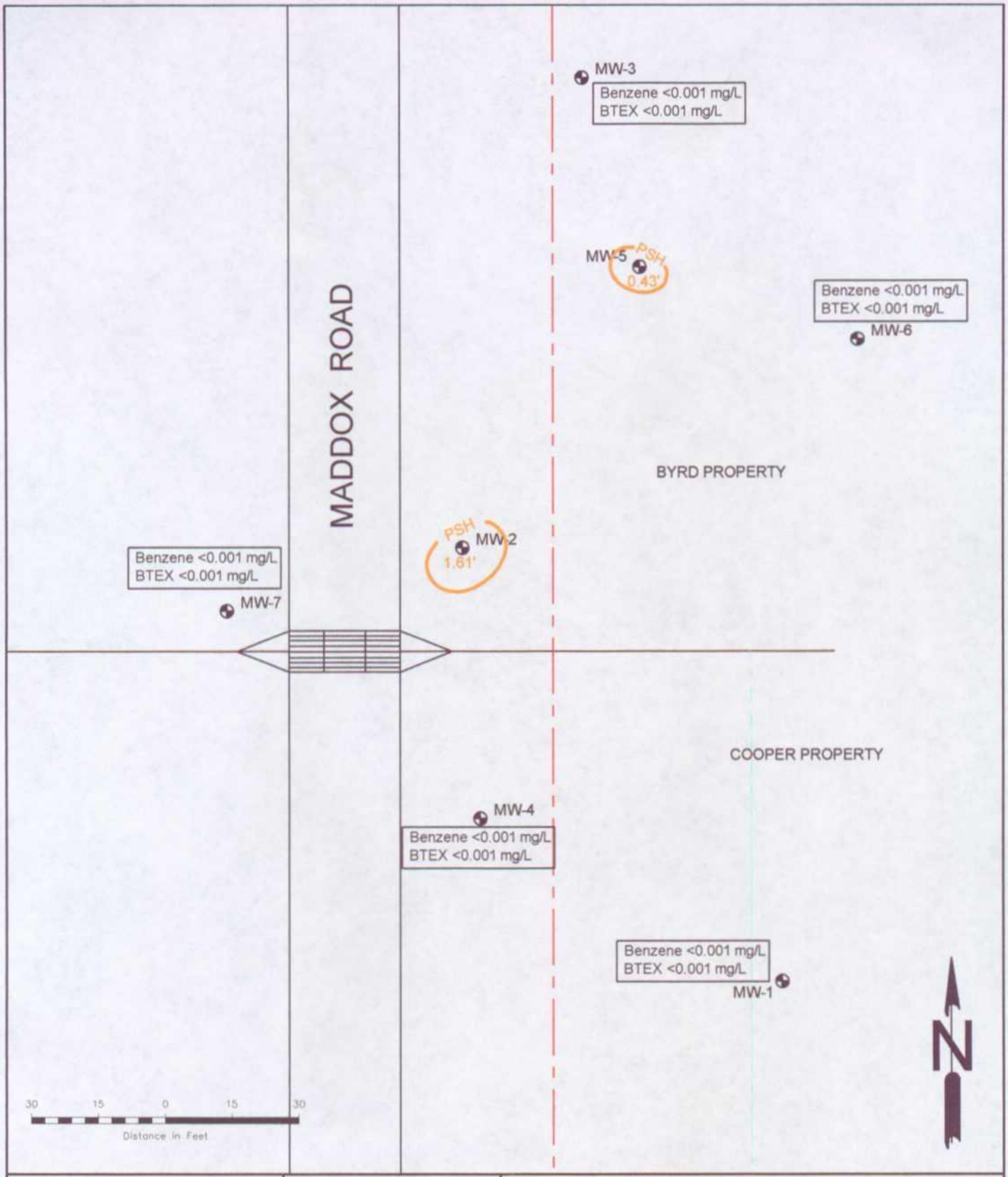
- Monitor Well Locations
- Pipeline
- NG Not Gauged
- Groundwater Contour Lines
- (3527.28) Groundwater Elevation In Feet
- Groundwater Gradient Direction and Magnitude

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 2D
Inferred Groundwater Gradient Map (12/13/04)
Plains Marketing L.P.
Monument 2
Lea County, TX

NOVA Safety and Environmental

Scale: 1" = 30'	Prep By: DPM	Checked By: MRE
February 24, 2005		



LEGEND:

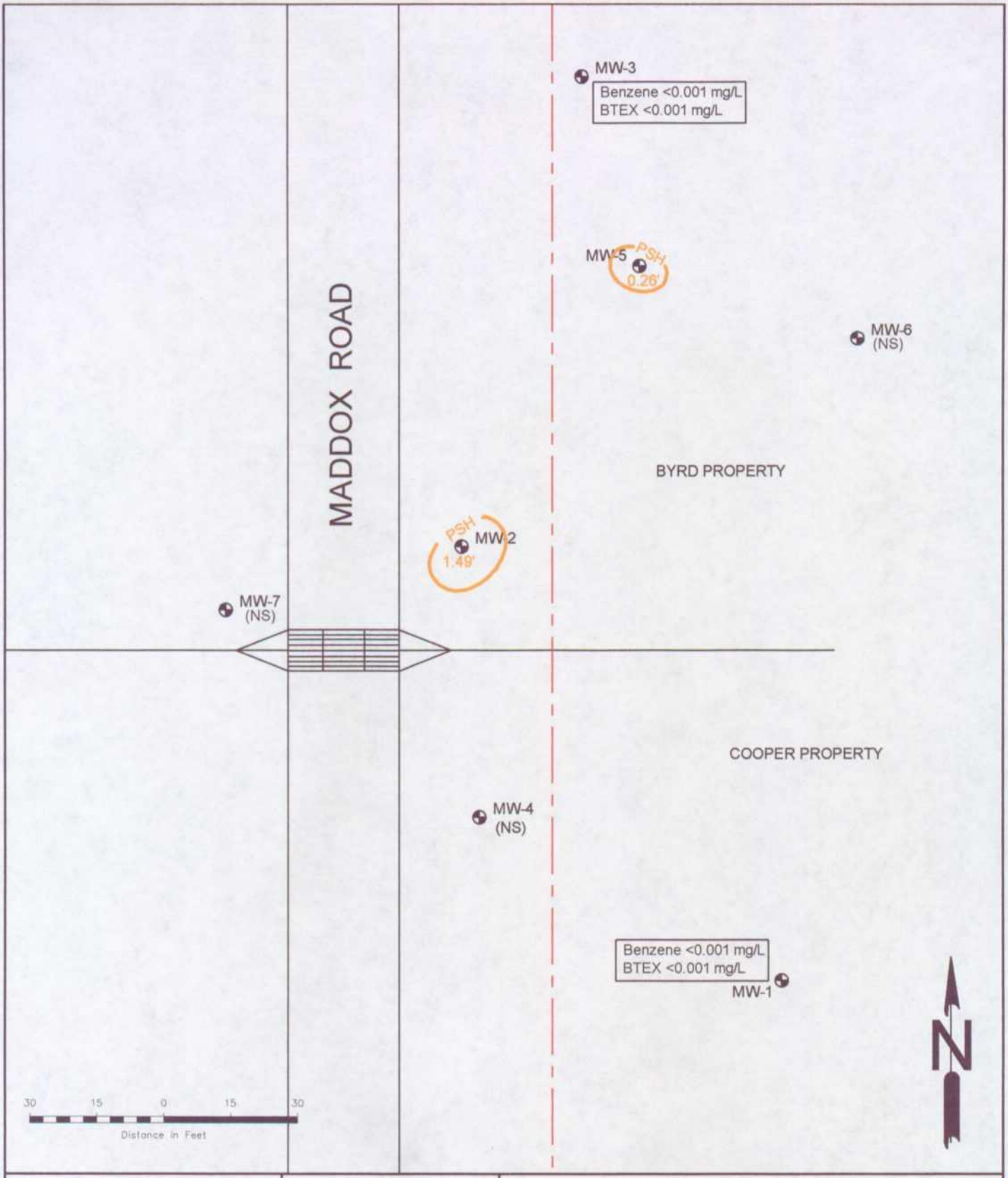
- Monitor Well Location
- Inferred PSH Extent

Figure 3A
Groundwater Concentration and Inferred PSH Extent Map (3/8/04)
Plains Marketing, L.P.
Monument 2
Lea County, TX

NOVA Safety and Environmental

NOVA safety and environmental

Scale: 1" = 30'	Prep By: DPM	Checked By: CDS
February 21, 2005		



LEGEND:

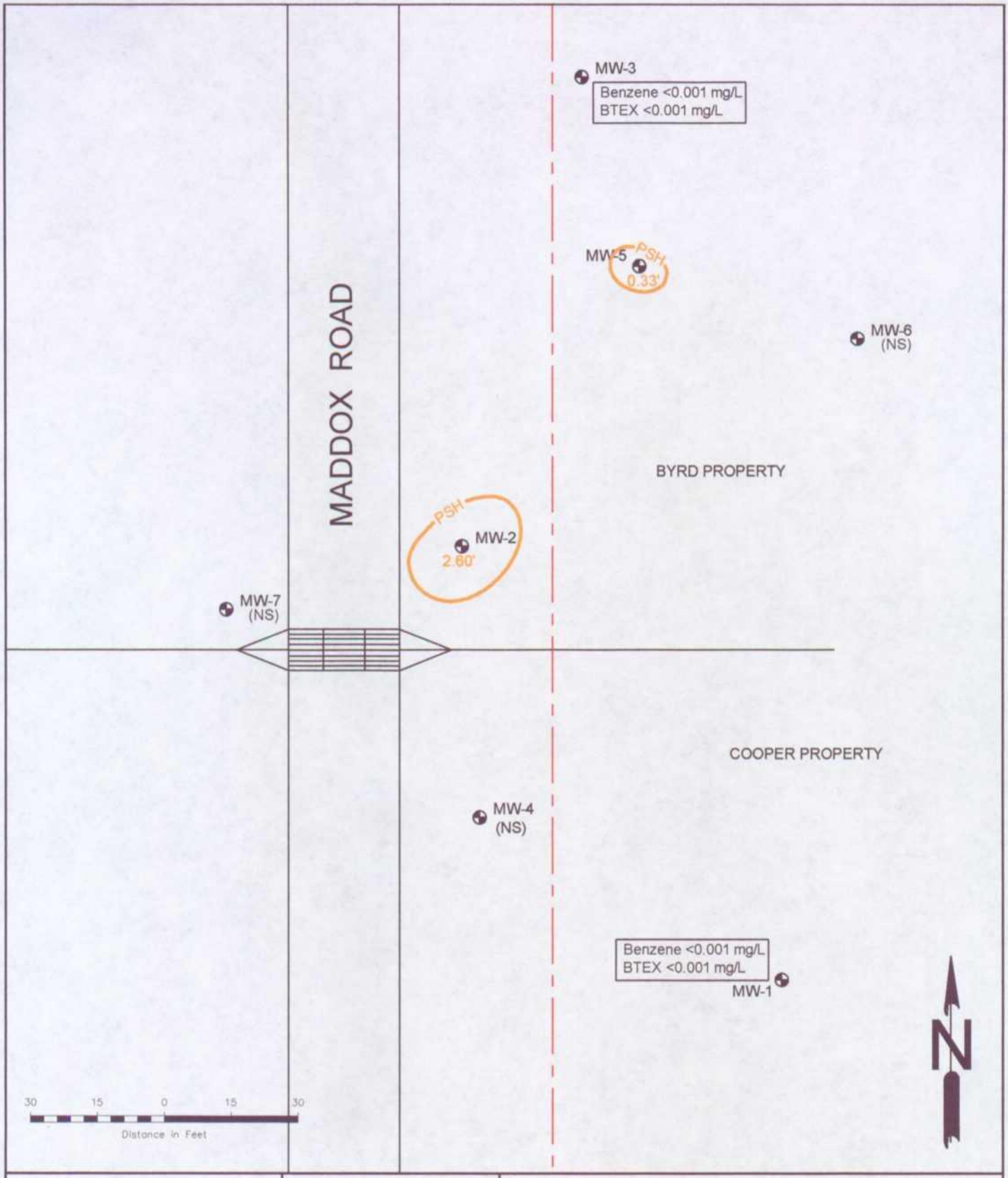
- Monitor Well Location
- Inferred PSH Extent
- NS Not Sampled

Figure 3B
Groundwater Concentration and Inferred PSH Extent Map
(5/25/04)
Plains Marketing, L.P.
Monument 2
Lea County, TX

NOVA Safety and Environmental

NOVA safety and environmental

Scale: 1" = 30'	Prep By: DPM	Checked By: CDS
February 21, 2005		



LEGEND:

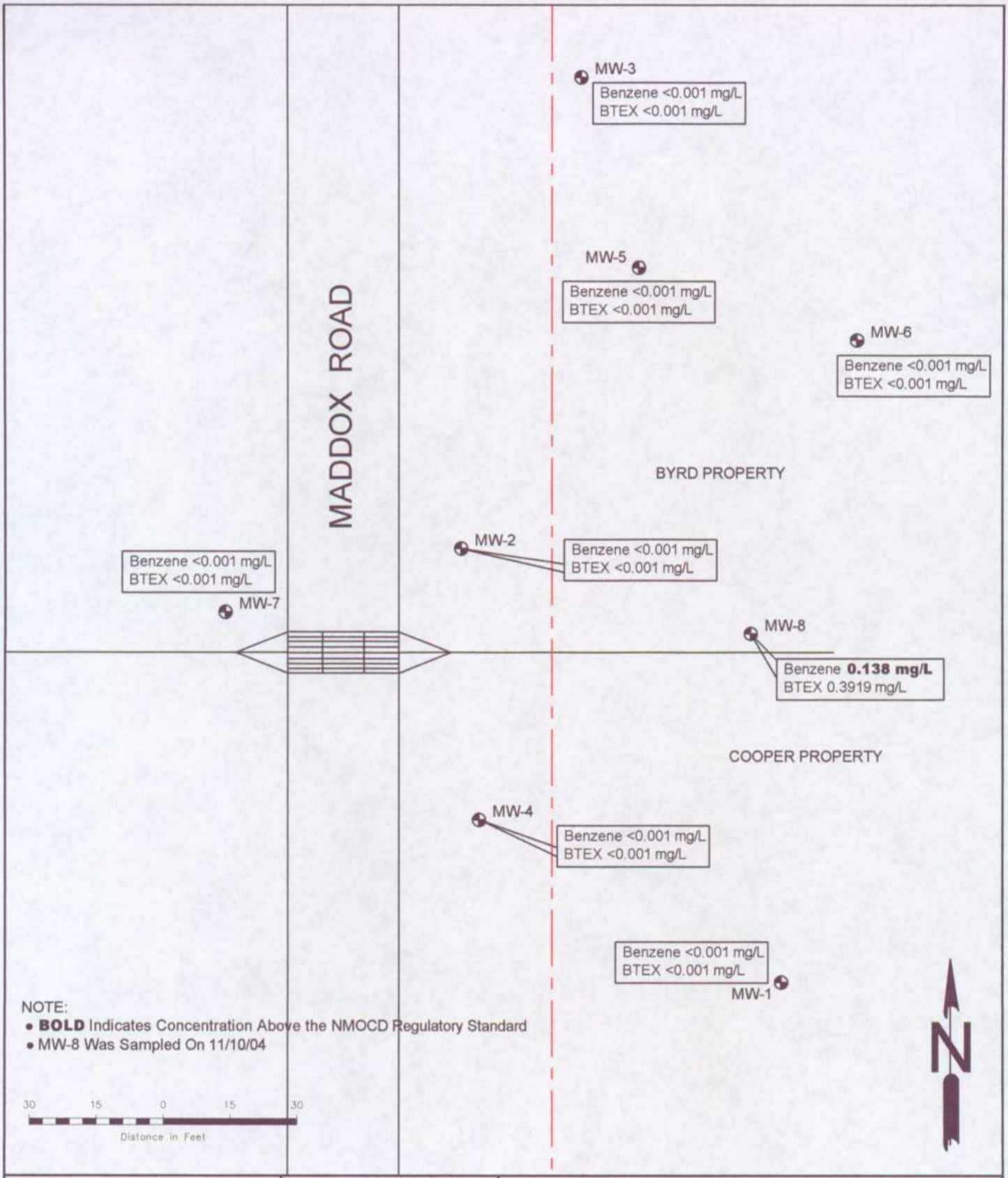
- Monitor Well Location
- Inferred PSH Extent
- NS Not Sampled

Figure 3C
Groundwater Concentration and Inferred PSH Extent Map (8/31/04)
Plains Marketing, L.P.
Monument 2
Lea County, TX

NOVA Safety and Environmental

NOVA safety and environmental

Scale: 1" = 30'	Prep By: DPM	Checked By: CDS
February 21, 2005		



LEGEND:

- Monitor Well Location
- Inferred PSH Extent

Figure 3D
Groundwater Concentration and Inferred PSH Extent Map (12/13/04)
Plains Marketing, L.P.
Monument 2
Lea County, TX

NOVA Safety and Environmental

NOVA safety and environmental

Scale: 1" = 30'	Prep By: DPM	Checked By: CDS
February 21, 2005		

Tables

TABLE 1

GROUNDWATER ELEVATION DATA FOR 2004

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	03/08/04	3,560.60	-	34.46	0.00	3,526.14
	05/25/04	3,560.60	-	34.32	0.00	3,526.28
	08/31/04	3,560.60	-	34.51	0.00	3,526.09
	12/13/04	3,560.60	-	33.33	0.00	3,527.27
MW-2	03/08/04	3,561.14	34.42	36.03	1.61	3,526.48
	05/25/04	3,561.14	34.30	35.79	1.49	3,526.62
	08/31/04	3,561.14	33.46	36.06	2.60	3,527.29
	09/13/04	3,561.14	34.49	36.10	1.61	3,526.41
	09/21/04	3,561.14	35.10	35.65	0.55	3,525.96
	10/07/04	3,561.14	34.15	34.61	0.46	3,526.92
	10/14/04	3,561.14	33.84	34.15	0.31	3,527.25
	10/24/04	3,561.14	33.82	34.09	0.27	3,527.28
	10/28/04	3,561.14	33.94	34.10	0.16	3,527.18
	11/04/04	3,561.14	34.00	34.06	0.06	3,527.13
	11/11/04	3,561.14	sheen	34.00	0.00	3,527.14
	11/17/04	3,561.14	sheen	33.98	0.00	3,527.16
	11/30/04	3,561.14	sheen	32.68	0.00	3,528.46
	12/07/04	3,561.14	sheen	33.50	0.00	3,527.64
	12/13/04	3,561.14	-	33.49	0.00	3,527.65
	12/15/04	3,561.14	sheen	33.49	0.00	3,527.65
	12/28/04	3,561.14	sheen	33.49	0.00	3,527.65
MW-3	03/08/04	3,560.39	-	33.61	0.00	3,526.78
	05/25/04	3,560.39	-	33.46	0.00	3,526.93
	08/31/04	3,560.39	-	33.66	0.00	3,526.73
	12/07/04	3,560.39	sheen	33.51	0.00	3,526.88
	12/13/04	3,560.39	-	32.45	0.00	3,527.94
	12/28/04	3,560.39	sheen	33.40	0.00	3,526.99
MW-4	03/08/04	3,561.08	-	34.77	0.00	3,526.31
	05/25/04	3,561.08	-	34.64	0.00	3,526.44
	08/31/04	3,561.08	*	*	0.00	*
	12/13/04	3,561.08	-	33.59	0.00	3,527.49

TABLE 1

GROUNDWATER ELEVATION DATA FOR 2004

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	03/08/04	3,560.20	33.54	33.97	0.43	3,526.60
	05/25/04	3,560.20	33.43	33.69	0.26	3,526.73
	08/31/04	3,560.20	33.59	33.92	0.33	3,526.56
	09/13/04	3,560.20	33.6	34.02	0.42	3,526.54
	09/13/04	3,560.20	33.6	34.02	0.42	3,526.54
	09/21/04	3,560.20	33.64	33.94	0.30	3,526.52
	10/07/04	3,560.20	sheen	33.20	0.00	3,527.00
	10/14/04	3,560.20	sheen	32.85	0.00	3,527.35
	10/24/04	3,560.20	sheen	32.88	0.00	3,527.32
	10/28/04	3,560.20	sheen	32.81	0.00	3,527.39
	11/04/04	3,560.20	sheen	32.93	0.00	3,527.27
	11/11/04	3,560.20	sheen	32.93	0.00	3,527.27
	11/17/04	3,560.20	sheen	32.92	0.00	3,527.28
	11/30/04	3,560.20	sheen	32.64	0.00	3,527.56
	12/07/04	3,560.20	sheen	32.50	0.00	3,527.70
	12/13/04	3,560.20	-	32.46	0.00	3,527.74
	12/15/04	3,560.20	sheen	32.46	0.00	3,527.74
	12/28/04	3,560.20	sheen	32.43	0.00	3,527.77
MW-6	03/08/04	3,560.32	-	33.86	0.00	3,526.46
	05/25/04	3,560.32	-	33.74	0.00	3,526.58
	08/31/04	3,560.32	-	33.91	0.00	3,526.41
	12/13/04	3,560.32	-	32.75	0.00	3,527.57
MW-7	03/08/04	3561.07	-	34.50	0.00	3,526.57
	05/25/04	3561.07	-	34.37	0.00	3,526.70
	08/31/04	3561.07	-	34.56	0.00	3,526.51
	12/13/04	3561.07	-	33.30	0.00	3,527.77
MW-8	11/08/04	3561.07	-	33.84	0.00	3,527.23
	11/10/04	3,561.07	-	33.83	0.00	3,527.24
	11/17/04	3,561.07	33.82	33.88	0.06	3,527.24
	12/15/2004	3,561.07	sheen	33.51	0.00	3527.56

Note:

"*" Indicates the lock was jammed at the time of gauging.

TABLE 1

GROUNDWATER ELEVATION DATA FOR 2004

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

Elevations are based on the 1929 North American Vertical Datum.

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER FOR 2004

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

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030, SW 846-8260b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Standard		0.01	0.75	0.75	Total XYLENES 0.62	
MW - 1	03/08/04	<0.001	<0.001	<0.001	<0.002	<0.001
	05/25/04	<0.001	<0.001	<0.001	<0.002	<0.001
	08/31/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/13/04	<0.001	<0.001	<0.001	<0.001	
MW-2	12/13/04	<0.005	<0.005	<0.005	<0.005	
MW - 3	03/08/04	<0.001	<0.001	<0.001	<0.002	<0.001
	05/25/04	<0.001	<0.001	<0.001	<0.002	<0.001
	08/31/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/13/04	<0.001	<0.001	<0.001	<0.001	
MW - 4	03/08/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/13/04	<0.001	<0.001	<0.001	<0.001	
MW - 5	12/13/04	<0.005	0.0064	0.0718	0.112	
MW - 6	03/08/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/13/04	<0.001	<0.001	<0.001	<0.001	
MW - 7	03/08/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/13/04	<0.001	<0.001	<0.001	<0.001	
MW-8	11/10/04	**0.138**	<0.005	0.0749	0.179	

Note:
Concentrations in BOLD are above the applicable NMOCD Regulatory Standard.

Appendices

Appendix A
Notification of Release and Corrective Action

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	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 Unknown	Date and Hour of Discovery
Was Immediate Notice Given? Yes ☐ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

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:	OIL CONSERVATION DIVISION	
Printed Name: Camille Reynolds	Approved by District Supervisor:	
Title: Remediation Coordinator	Approval Date:	Expiration Date:
E-mail Address: cjreynolds@paalp.com	Conditions of Approval:	Attached ☐
Date: 3/21/2005 Phone: (505)441-0965		

Attach Additional Sheets If Necessary