1R - 124

REPORTS

DATE:

2006

1R 124
Report
2006

2006
ANNUAL MONITORING REPORT

MONUMENT 18

NW ¼ NW ¼ SECTION 7, TOWNSHIP 20 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS EMS NUMBER: TNM MONUMENT 18-KNOWN
NMOCD Reference 1R-0124

Prepared For:

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NOVA
safety and environmental

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March 2007

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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 were assumed by NOVA, having previously been managed by Environmental Technology Group, Inc. (ETGI). The Monument 18 site (the site), formally 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 figures, attachments, tables and text. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2006 only. For reference, the Site Location Map is provided as Figure 1. Cumulative tables and laboratory data are provided on the enclosed data disk.

Groundwater monitoring was conducted each quarter of 2006 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). The groundwater monitoring events consisted of measuring static water levels in the monitor wells, checking for the presence of PSH 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 NW ¼ NW ¼, Section 7, Township 20 South, Range 37 East, Lea County, New Mexico. No information with respect to the release date or volume of crude oil released and recovered is 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.

Currently, there are nine (9) monitor wells (MW-1 and MW-3 through MW-10) on site. Manual recovery of PSH is performed on a weekly schedule.

FIELD ACTIVITIES

A measurable thickness of PSH was present in monitor wells MW-1, MW-3, and MW-4 during the reporting period. PSH thickness in monitor well MW-1 ranged from 0.13 feet to 1.21 feet. PSH thickness in monitor well MW-3 ranged from 0.50 feet to a sheen. PSH thickness in MW-4 ranged from 0.48 feet to 0.01 feet. The average PSH thickness across the site was 0.19 feet. PSH data for the 2006 gauging events can be found in Table 1. Approximately 15 gallons (approximately 0.36 barrels) of PSH was recovered from the site during the 2006 reporting period. Approximately 293 gallons (7.0 barrels) of PSH have been recovered since project inception. Recovery of PSH at the site is by manual recovery methods and is monitored on a weekly schedule.

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 amend by NMOCD correspondence dated June 22, 2005.

NMOCD APPROVED SAMPLING SCHEDULE			
Location	**Schedule**	**Location**	**Schedule**
MW-1	Quarterly	MW-6	Annually
MW-2	Plugged and Abandoned	MW-7	Annually
MW-3	Quarterly	MW-8	Annually
MW-4	Quarterly	MW-9	Quarterly
MW-5	Semi-Annually	MW-10	Quarterly

The site monitor wells were gauged and sampled on March 8, June 7, September 5, and November 13, 2006. During each sampling event the monitor wells were purged of approximately three well volumes of water or until the wells were dry using a disposable polyethylene bailer or electrical 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 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 beginning at project inception is provided on the enclosed data disk.

The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.002 feet/foot to the southeast. This is consistent with data presented on Figures 2A through 2C from earlier in the year. The corrected groundwater elevations ranged between 3,525.74 to 3,527.38 feet above mean sea level, in monitor well MW-3 on April 19, 2006 and in monitor well MW-1 on July 26, 2006, respectively.

LABORATORY RESULTS

Monitor well MW-1 contained measurable PSH throughout the reporting period and was not sampled. Monitor well MW-3 contained measurable PSH during the 1st quarter of the 2006 reporting period and was not sampled. Monitor well MW-4 contained measurable PSH during the 2nd, 3rd and 4th quarters of the 2006 reporting period and was not sampled during these quarters.

Groundwater samples collected during 2006 quarterly sampling events were delivered to Trace Analysis, Inc., of Lubbock, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method SW846-8021b. The 2006 BTEX constituent concentrations are summarized on Table 2. Historical BTEX constituent concentrations and copies of the laboratory reports for 2006 are provided on the enclosed data disk. The quarterly groundwater sample results for benzene and BTEX constituent concentrations are depicted on Figures 3A-3D.

Monitor well MW-1 is monitored on a quarterly schedule. Monitor well MW-1 was not sampled during any of the four (4) quarters of the reporting period, due to the reported presence of PSH in the monitor well. PSH thicknesses of 0.16 feet, 0.13 feet, 0.15 feet and 0.21 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2006, respectively.

Monitor well MW-3 is sampled/monitored on a quarterly schedule. Monitor well MW-3 was not sampled during the 1st quarter of the reporting period, due to the reported presence of PSH in the monitor well. A PSH thickness of 0.19 feet was reported during the 1st quarter. Analytical results from the 2nd, 3rd and 4th quarters indicate benzene concentrations ranged from 0.00870 mg/L during the 4th quarter to 0.068 mg/L during the 2nd quarter of 2006. Benzene concentrations were above NMOCD regulatory standards of 0.01 mg/L, for the 2nd and 3rd quarters of the reporting period. Toluene concentrations ranged from <0.001 mg/L during the 3rd and 4th quarters to 0.002 mg/L during the 2nd quarter of 2006. Toluene concentrations were below NMOCD regulatory standard of 0.75 mg/L, during the 2nd, 3rd, and 4th quarters of the reporting period. Ethylbenzene concentrations ranged from 0.00410 mg/L during the 4th quarter to 0.020 mg/L during the 2nd quarter of 2006. Ethylbenzene concentrations were below NMOCD regulatory standard of 0.75 mg/L, during the 2nd, 3rd and 4th quarters of the reporting period. Xylene concentrations ranged from 0.01550 mg/L during the 4th quarter to 0.104 mg/L during the 2nd quarter of 2006. Xylene concentrations were below NMOCD regulatory standard of 0.62 mg/L, during the 2nd, 3rd and 4th quarters of the reporting period.

Monitor well MW-4 is sampled/monitored on a quarterly schedule. Monitor well MW-4 was not sampled during the 2nd, 3rd and 4th quarters of the reporting period, due to the reported presence of PSH in the monitor well. A PSH thickness of 0.10 feet, 0.03 feet and 0.29 feet was reported during the 2nd, 3rd and 4th quarters of the reporting period. Analytical results from the 1st quarter indicate a benzene concentration 0.038 mg/L. This benzene concentration was above NMOCD regulatory standards. 1st quarter results indicate a toluene concentration of <0.001 mg/L. This toluene concentration was below NMOCD regulatory standards. Analytical results indicate an ethylbenzene concentration of 0.069 mg/L. This ethylbenzene concentration was below NMOCD regulatory standards. Analytical results indicate a Xylene concentration of 0.102 mg/L. This xylene concentration was below NMOCD regulatory standards.

Monitor well MW-5 is sampled on a semi-annual schedule and analytical results indicate BTEX constituent concentrations were below laboratory method detection limit (MDL) and NMOCD regulatory standards for each BTEX constituent during the 2nd and 4th quarter sampling events.

Monitor well MW-6 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below MDL and NMOCD regulatory standards for each BTEX constituent during the 4th quarter sampling event.

Monitor well MW-7 is sampled on an annual schedule and analytical results indicate benzene, toluene and ethylbenzene concentrations were below MDL and NMOCD regulatory standards for each BTEX constituent during the 4th quarter sampling event. Analytical results indicate an ethylbenzene concentration of 0.00120 mg/L (below regulatory standards) during the 4th quarter of the reporting period.

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

Monitor well MW-9 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below MDL and NMOCD regulatory standards for each BTEX constituent during the 1st, 2nd and 4th quarter sampling event. Monitor well MW-9 was not sampled during the 3rd quarter of the reporting period due to human error.

Monitor well MW-10 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from <0.001 mg/L during the 4th quarter to 0.002 mg/L during the 3rd quarter of 2006. Benzene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period. Toluene, Ethylbenzene and Xylene concentrations were below MDL and NMOCD regulatory standards for each BTEX constituent during all four (4) quarters of the reporting period.

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 nine (9) groundwater monitor wells (MW-1 and MW-3 through MW-10) on site. Recovery of PSH at the site is achieved using manual recovery methods and is monitored on a weekly schedule. The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.002 feet/foot to the southeast.

As discussed above, three (3) monitor wells contained measurable PSH thicknesses during 2006. PSH thicknesses have fluctuated, with an overall decrease throughout the 2006 reporting period, with an average PSH thickness of 0.19 feet in the area of monitor wells MW-1, MW-3 and MW-4.

BTEX constituent concentrations were below NMOCD regulatory standards in six (6) of the nine (9) monitor wells during 2006. There were three (3) monitor well locations containing measurable thicknesses of PSH during the annual monitoring period and were not sampled during at least one sampling event. Dissolved phase and phase separated hydrocarbon impact appears to be limited to monitor wells MW-1, MW-3 and MW-4.

ANTICIPATED ACTIONS

Quarterly monitoring, PSH recovery and groundwater sampling will continue in 2007. Manual product recovery and gauging will continue on a weekly schedule and will be adjusted according to site conditions. An Annual Monitoring Report will be submitted to the NMOCD before April 1, 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

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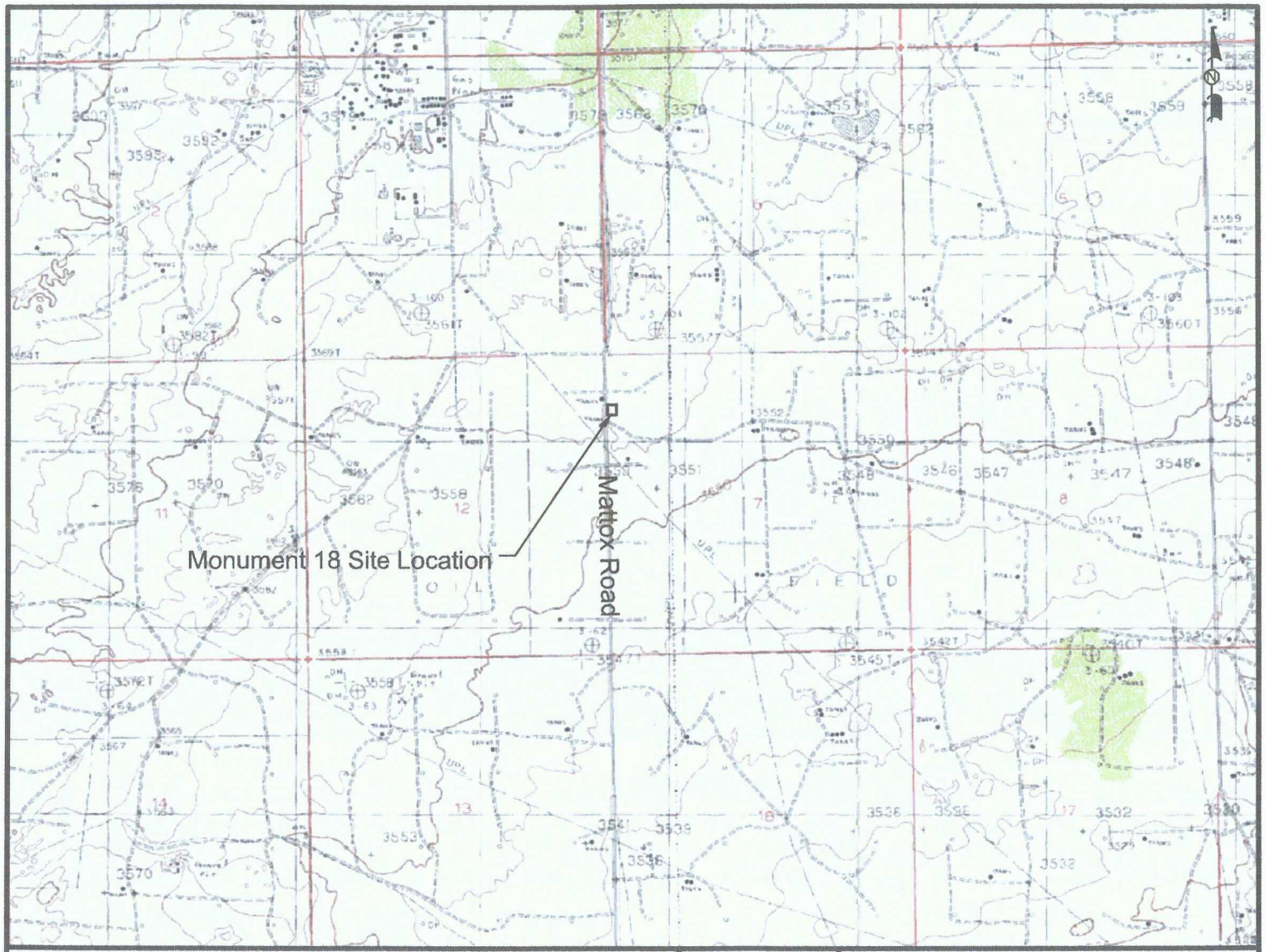
FIGURES



NW1/4 NW1/4 Sec 7 T20S R37E
NE1/4 NE1/4 Sec 12 T20S R36E

.5 .25 0 .25 .5
Distance in Miles

Figure 1
Site Location Map

Plains Marketing, L.P.
Monument 18
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = .5 Miles	Prep By: CDS	Checked By: RNH
February 25, 2005	Section 7 Township 20S Range 37E	
	Lat.32° 35' 30.0"N Long.103° 17' 55.9"W	

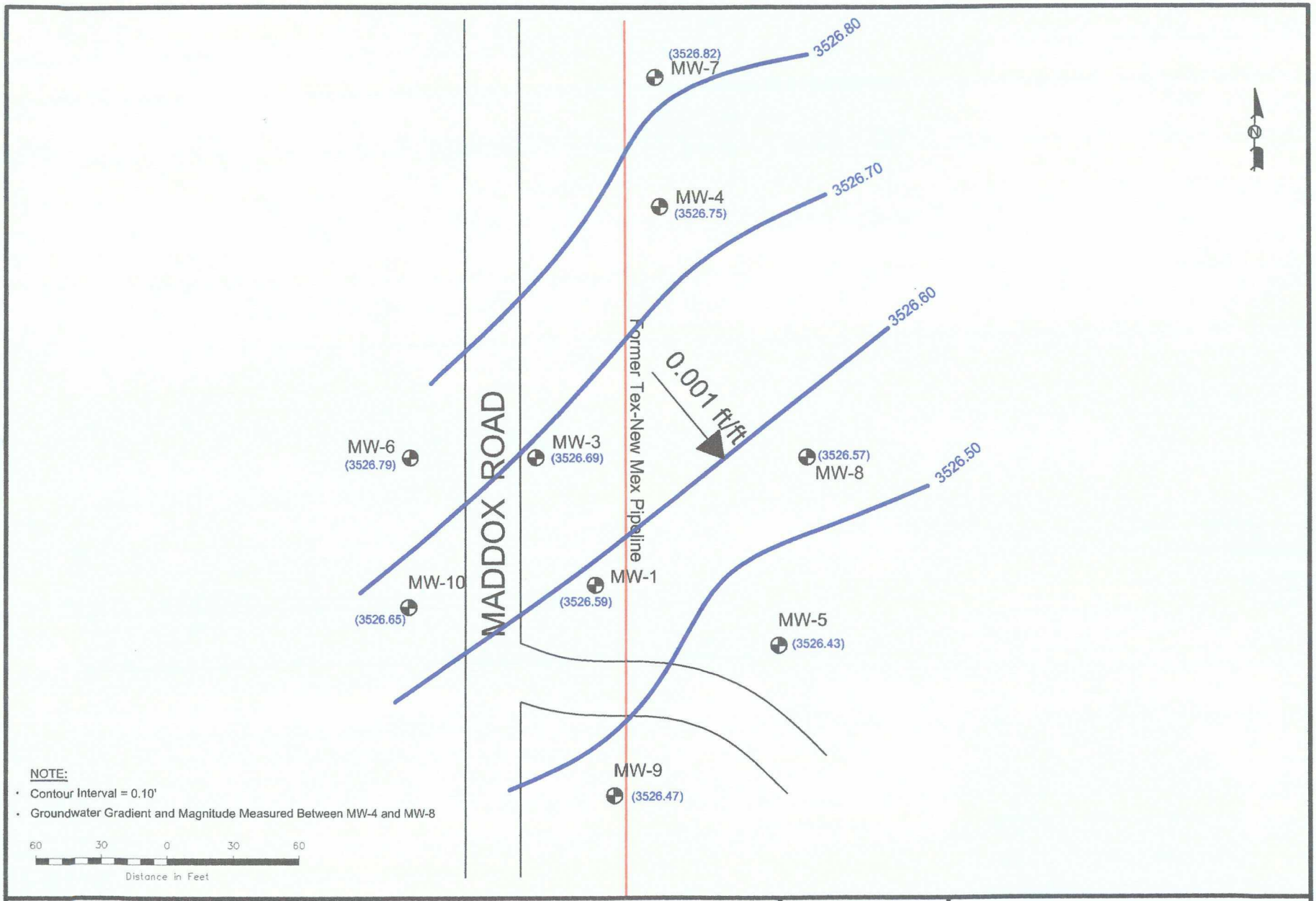


Figure 2A
Inferred Groundwater Gradient Map
(3/8/06)
Plains Marketing, L.P.
Monument 18
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 60'	CAD By: DGC	Checked By: CDS
May 24, 2006		

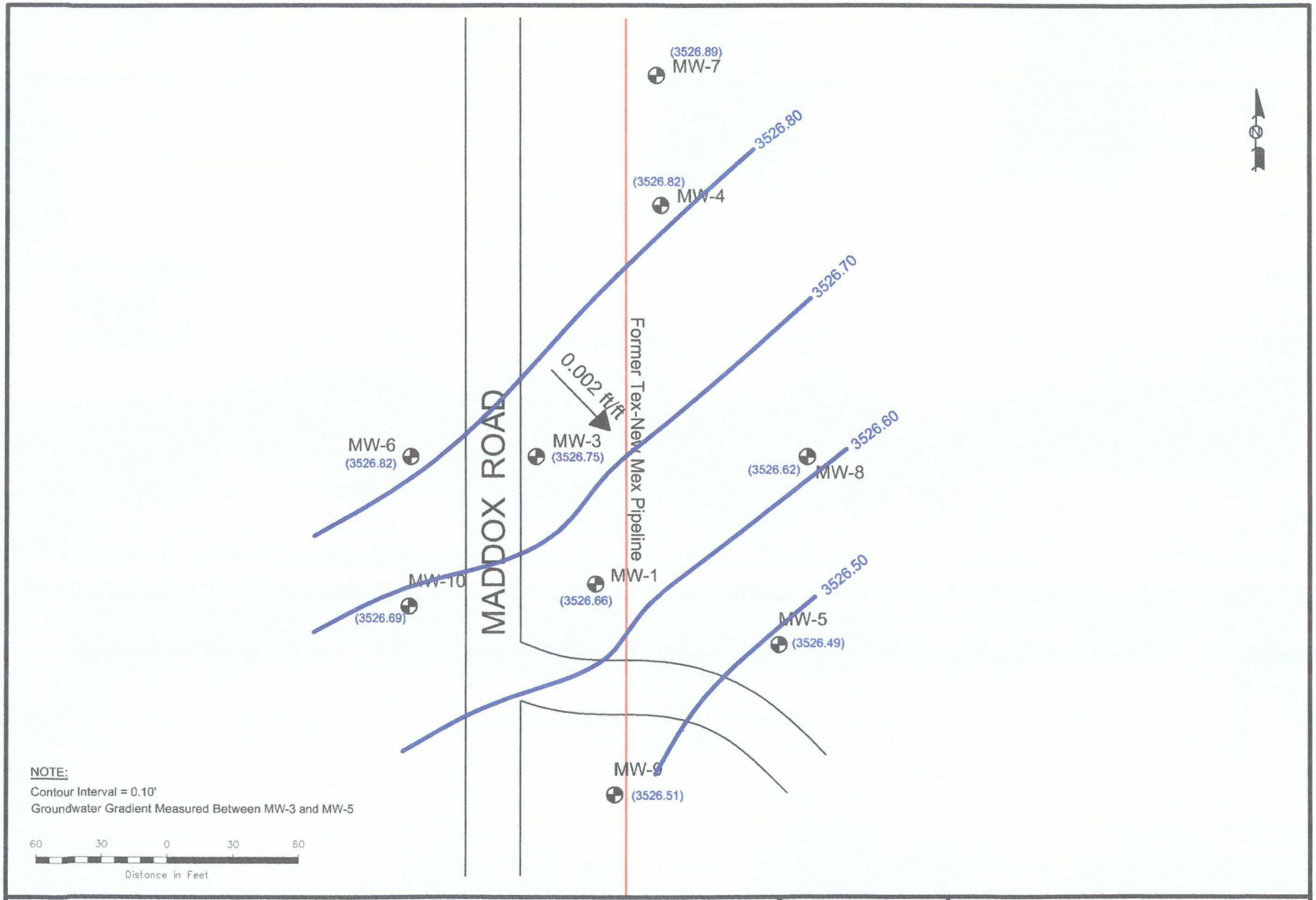
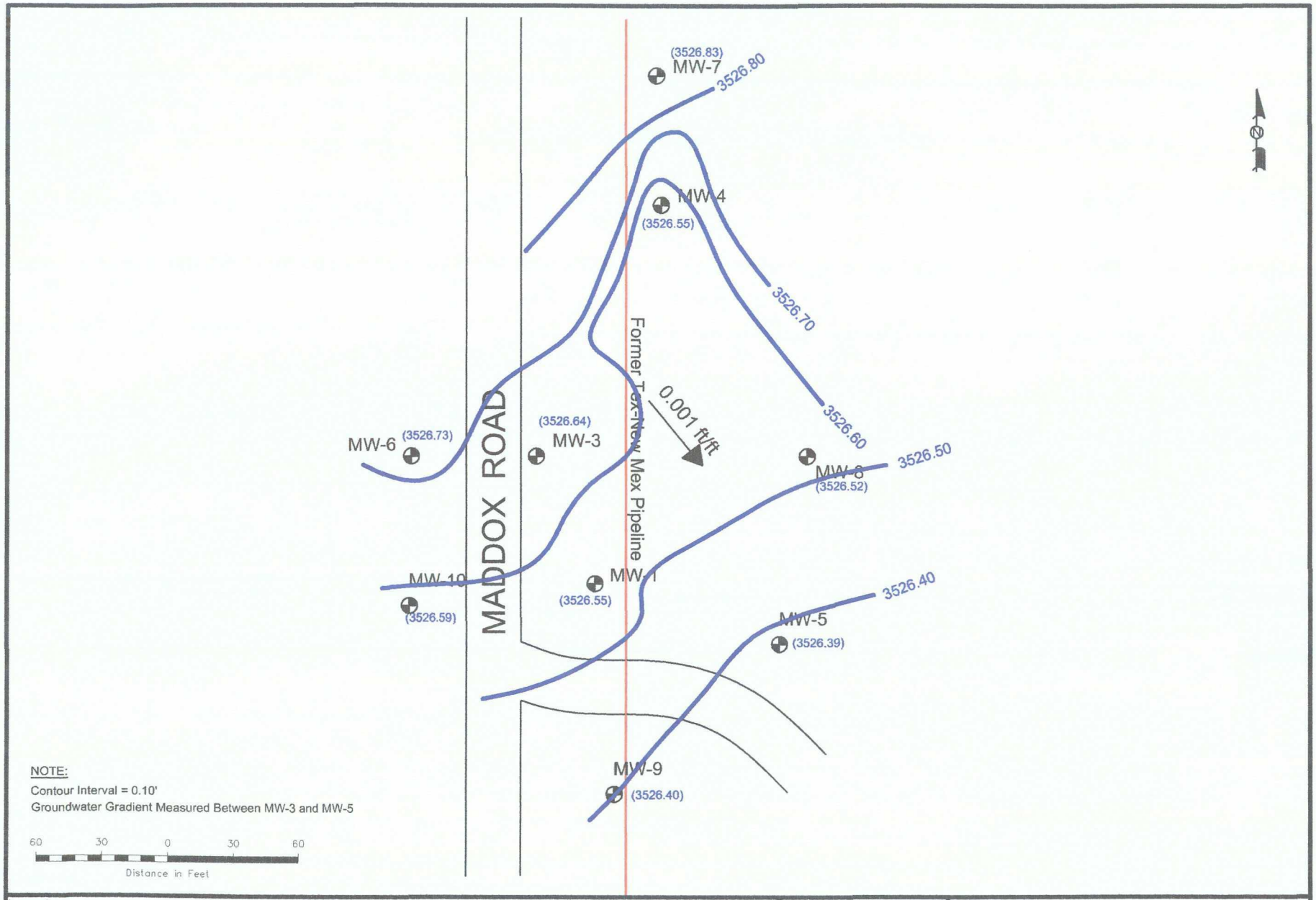
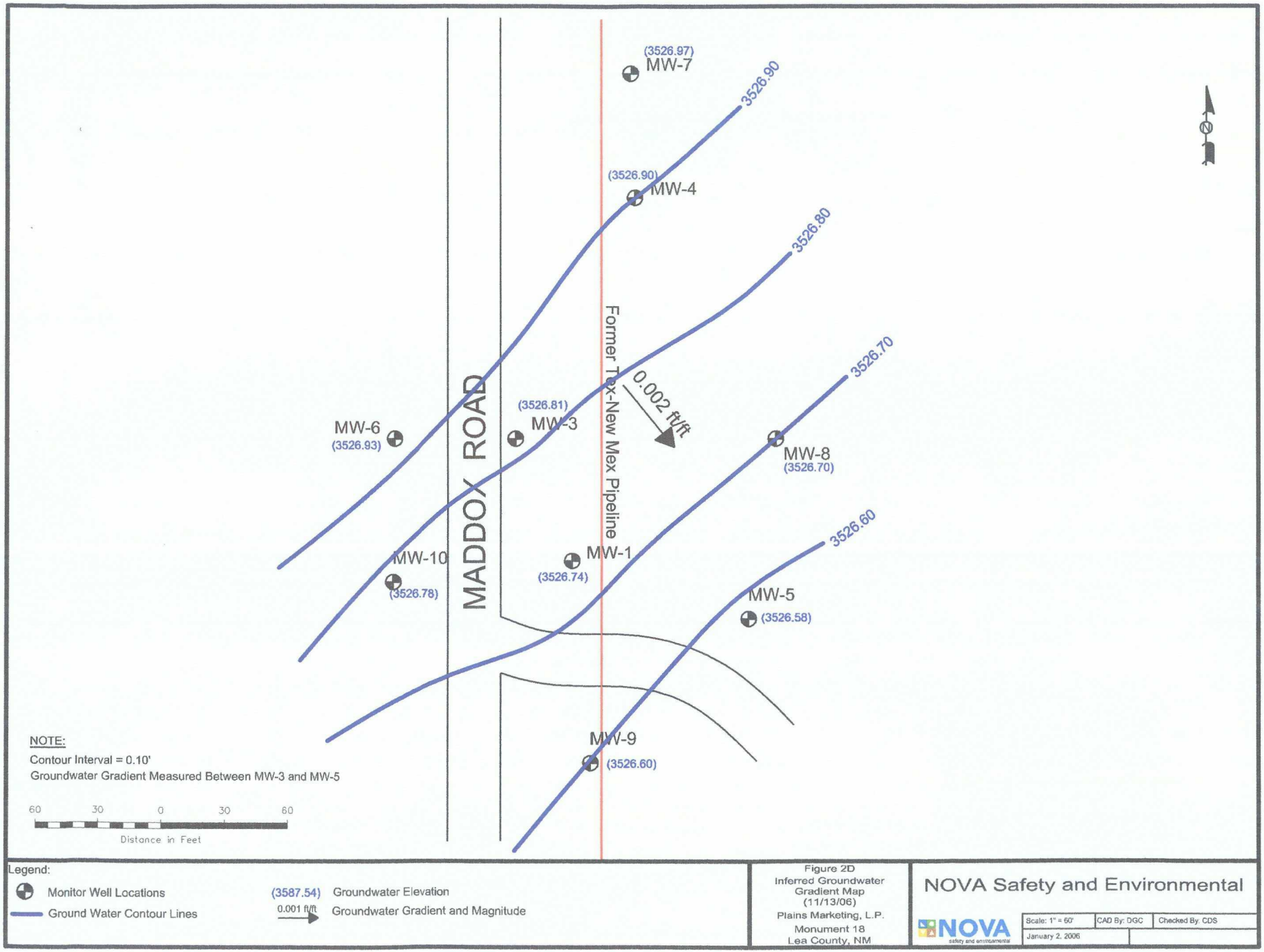


Figure 2B
Inferred Groundwater Gradient Map
(6/7/06)
Plains Marketing, L.P.
Monument 18
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 60'	CAD By: DGC	Checked By: CDS
June 23, 2006		


(3526.83)
MW-7
3526.80
MW-4
(3526.55)
3526.70
3526.60
Former Tex-New Mex Pipeline
0.001 ft/ft
MADDOX ROAD
MW-6
(3526.73)
(3526.64)
MW-3
MW-8
(3526.52)
3526.50
MW-10
(3526.59)
MW-1
(3526.55)
3526.40
MW-5
(3526.39)
MW-9
(3526.40)
N
NOTE:
Contour Interval = 0.10'
Groundwater Gradient Measured Between MW-3 and MW-5
60 30 0 30 60
Distance in Feet
Legend:
Monitor Well Locations
Ground Water Contour Lines
(3587.54) Groundwater Elevation
0.001 ft/ft Groundwater Gradient and Magnitude
Figure 2C
Inferred Groundwater Gradient Map
(09/05/06)
Plains Marketing, L.P.
Monument 18
Lea County, NM
NOVA Safety and Environmental
NOVA safety and environmental
Scale: 1" = 60'
CAD By: DGC
Checked By: CDS
March 19, 2007


(3526.97)
MW-7
3526.90
(3526.90)
MW-4
3526.80
MW-6
(3526.93)
(3526.81)
MW-3
MADDOX ROAD
Former Tex-New Mex Pipeline
0.002 ft/ft
3526.70
MW-8
(3526.70)
MW-10
(3526.78)
MW-1
(3526.74)
3526.60
MW-5
(3526.58)
MW-9
(3526.60)
N
NOTE:
Contour Interval = 0.10'
Groundwater Gradient Measured Between MW-3 and MW-5
60 30 0 30 60
Distance in Feet
Legend:
Monitor Well Locations
Ground Water Contour Lines
(3587.54) Groundwater Elevation
0.001 ft/ft Groundwater Gradient and Magnitude
Figure 2D
Inferred Groundwater Gradient Map
(11/13/06)
Plains Marketing, L.P.
Monument 18
Lea County, NM
NOVA Safety and Environmental
NOVA safety and environmental
Scale: 1" = 60'
CAD By: DGC
Checked By: CDS
January 2, 2006

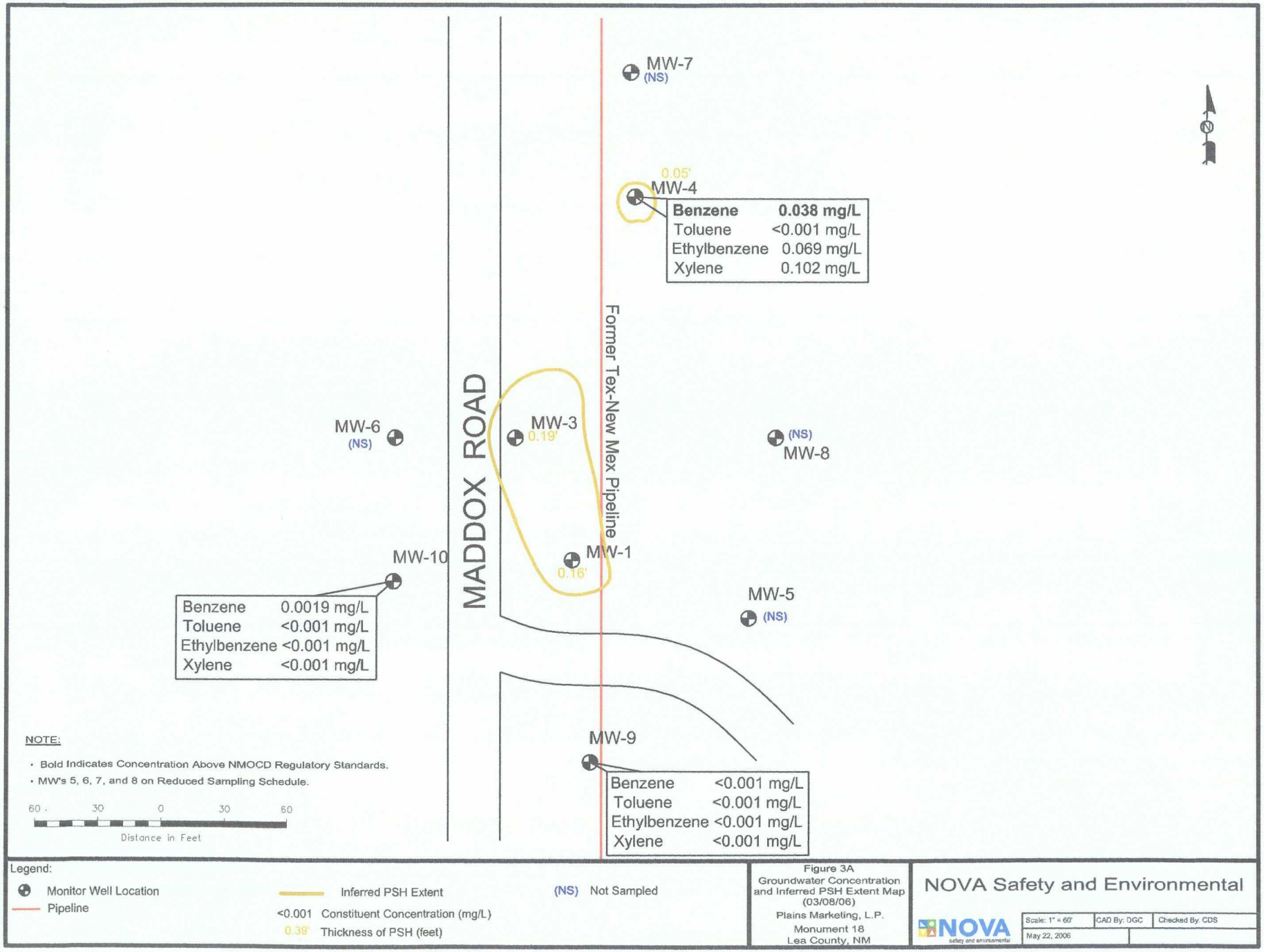
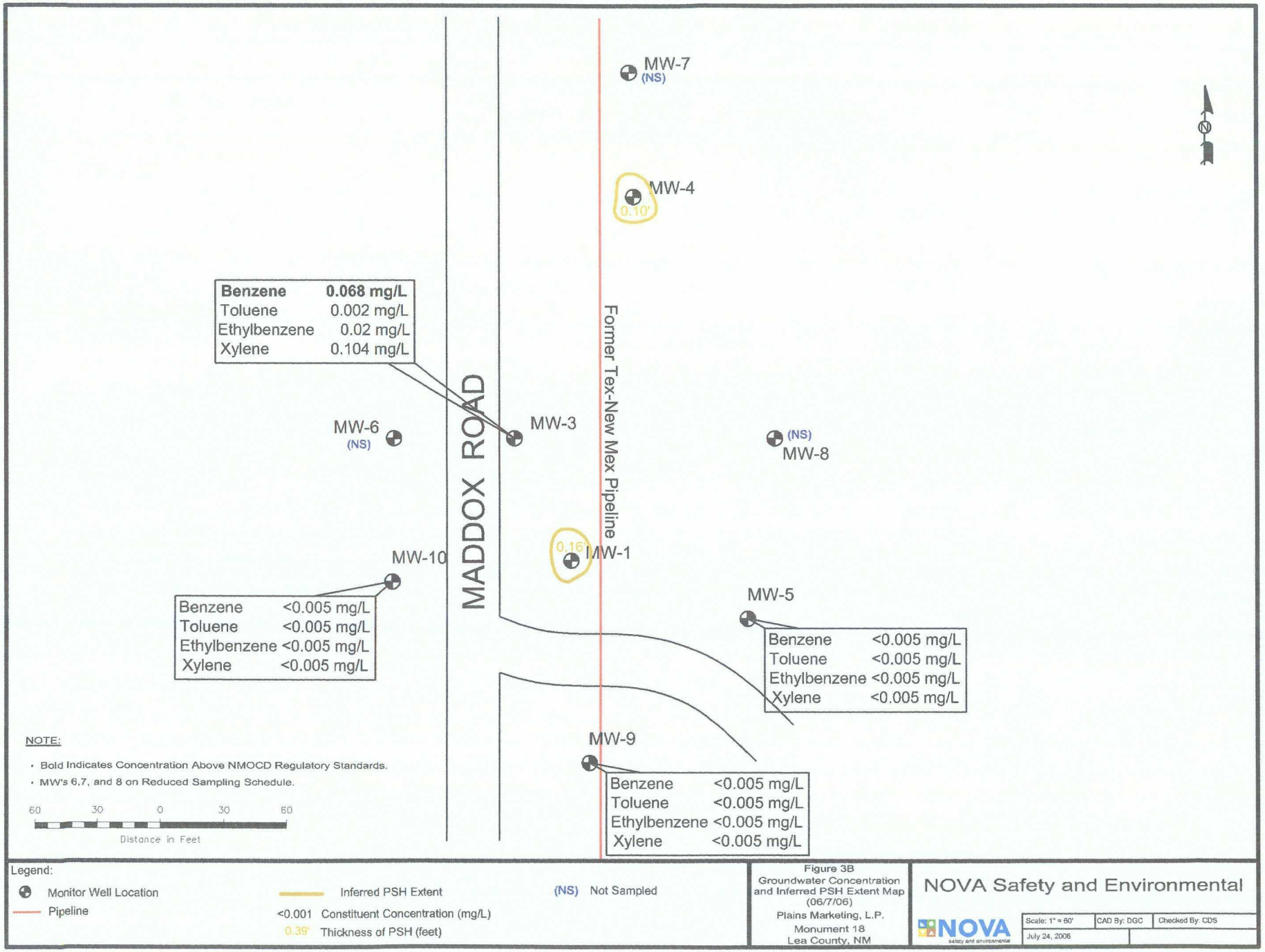
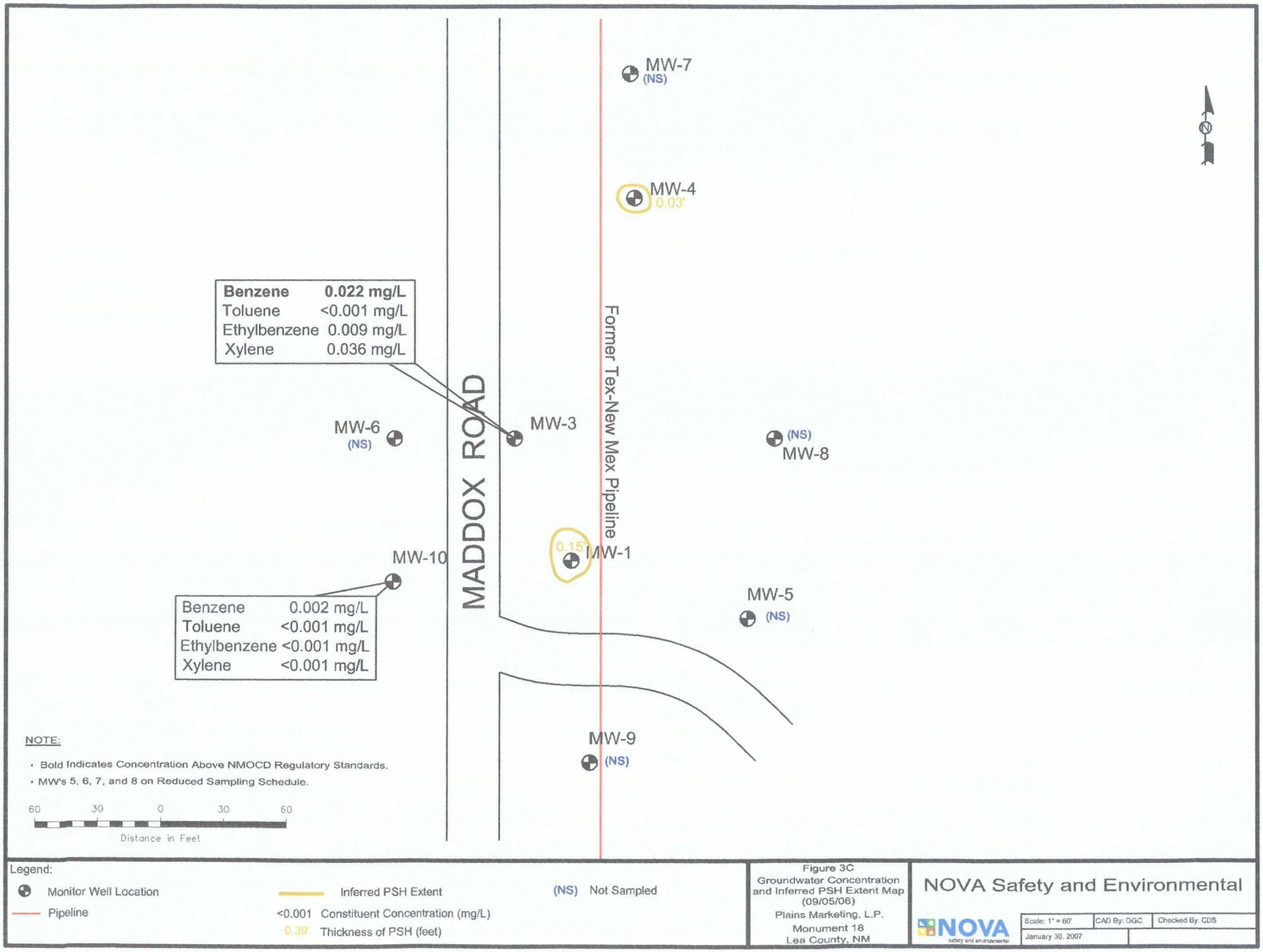


Figure 3A
Groundwater Concentration and Inferred PSH Extent Map
(03/08/06)
Plains Marketing, L.P.
Monument 18
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 60'	CAD By: DGC	Checked By: CDS
May 22, 2006		


MW-7
(NS)
MW-4
0.10'
Benzene 0.068 mg/L
Toluene 0.002 mg/L
Ethylbenzene 0.02 mg/L
Xylene 0.104 mg/L
MW-6
(NS)
MW-3
MADDOX ROAD
Former Tex-New Mex Pipeline
(NS)
MW-8
0.16'
MW-1
MW-10
Benzene <0.005 mg/L
Toluene <0.005 mg/L
Ethylbenzene <0.005 mg/L
Xylene <0.005 mg/L
MW-5
Benzene <0.005 mg/L
Toluene <0.005 mg/L
Ethylbenzene <0.005 mg/L
Xylene <0.005 mg/L
MW-9
Benzene <0.005 mg/L
Toluene <0.005 mg/L
Ethylbenzene <0.005 mg/L
Xylene <0.005 mg/L
NOTE:
• Bold Indicates Concentration Above NMOCD Regulatory Standards.
• MW's 6,7, and 8 on Reduced Sampling Schedule.
60 30 0 30 60
Distance in Feet
Legend:
Monitor Well Location
Pipeline
Inferred PSH Extent
<0.001 Constituent Concentration (mg/L)
0.39' Thickness of PSH (feet)
(NS) Not Sampled
Figure 3B
Groundwater Concentration and Inferred PSH Extent Map (06/7/06)
Plains Marketing, L.P.
Monument 18
Lea County, NM
NOVA Safety and Environmental
NOVA safety and environmental
Scale: 1" = 60'
CAD By: DGC
Checked By: CDS
July 24, 2006


MW-7
(NS)
MW-4
0.03'
Benzene 0.022 mg/L
Toluene <0.001 mg/L
Ethylbenzene 0.009 mg/L
Xylene 0.036 mg/L
MW-6
(NS)
MW-3
MADDOX ROAD
Former Tex-New Mex Pipeline
(NS)
MW-8
0.15'
MW-1
MW-10
MW-5
(NS)
Benzene 0.002 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-9
(NS)
NOTE:
• Bold Indicates Concentration Above NMOCD Regulatory Standards.
• MW's 5, 6, 7, and 8 on Reduced Sampling Schedule.
60 30 0 30 60
Distance in Feet
Legend:
Monitor Well Location
Pipeline
Inferred PSH Extent
<0.001 Constituent Concentration (mg/L)
0.39' Thickness of PSH (feet)
(NS) Not Sampled
Figure 3C
Groundwater Concentration and Inferred PSH Extent Map (09/05/06)
Plains Marketing, L.P.
Monument 18
Lea County, NM
NOVA Safety and Environmental
NOVA safety and environmental
Scale: 1" = 60'
CAD By: DGC
Checked By: CDS
January 30, 2007

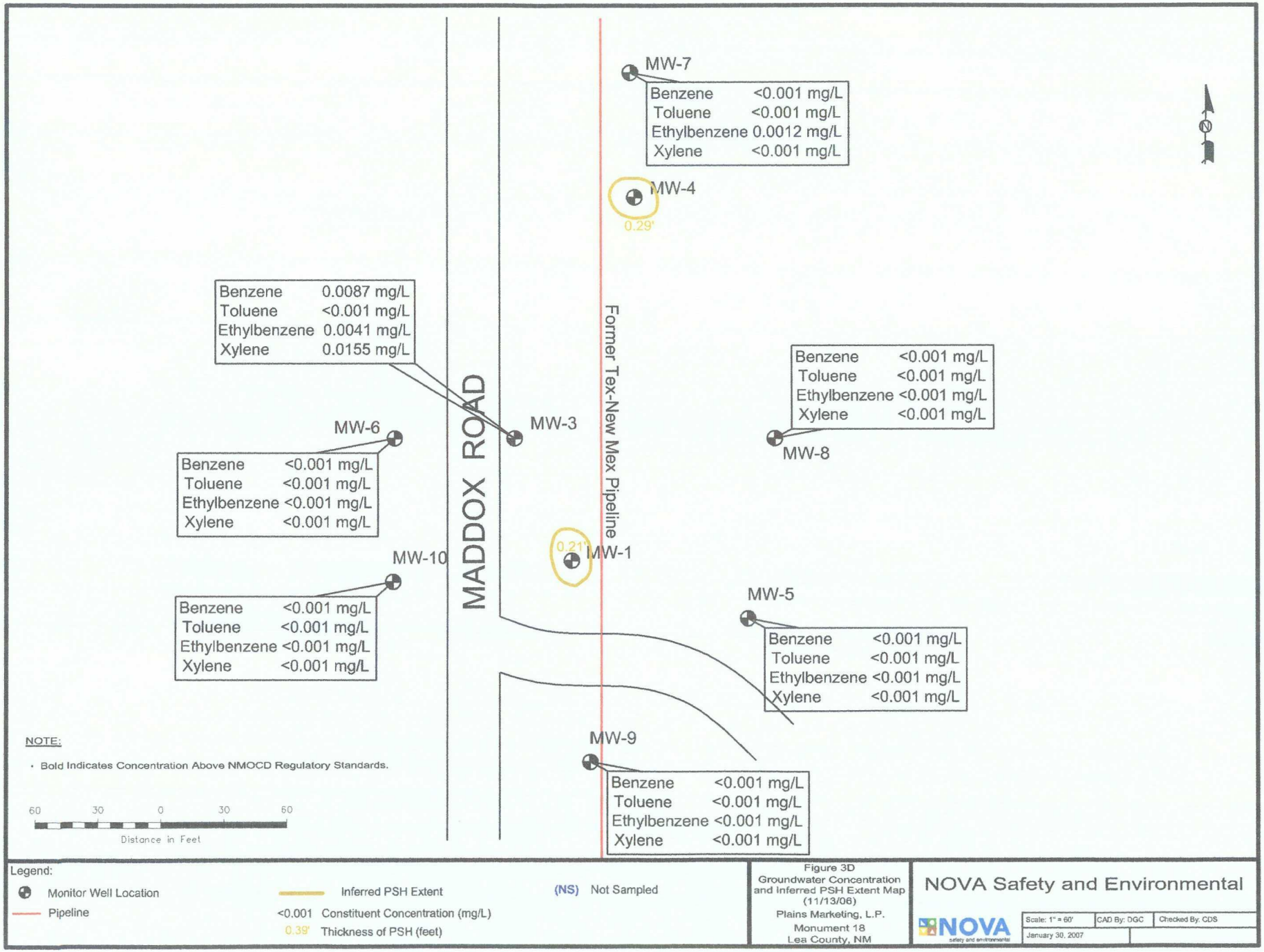


Figure 3D
Groundwater Concentration and Inferred PSH Extent Map (11/13/06)
Plains Marketing, L.P.
Monument 18
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 60'	CAD By: DGC	Checked By: CDS
January 30, 2007		

TABLES

TABLE 1

2006 GROUNDWATER ELEVATION DATA

PLAINS MAREKTING, L.P.
MONUMENT 18
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	01/11/06	3,558.71	32.11	32.70	0.59	3,526.51
	01/27/06	3,558.71	32.14	32.63	0.49	3,526.50
	02/09/06	3,558.71	32.14	32.54	0.40	3,526.51
	02/16/06	3,558.71	32.13	32.63	0.50	3,526.51
	02/24/06	3,558.71	32.15	32.36	0.21	3,526.53
	03/08/06	3,558.71	32.10	32.33	0.23	3,526.58
	03/08/06	3,558.71	32.10	32.26	0.16	3,526.59
	03/24/06	3,558.71	32.11	32.24	0.13	3,526.58
	03/31/06	3,558.71	32.06	32.21	0.15	3,526.63
	04/19/06	3,558.71	32.03	32.24	0.21	3,526.65
	05/04/06	3,558.71	32.02	32.22	0.20	3,526.66
	06/02/06	3,558.71	32.01	32.20	0.19	3,526.67
	06/07/06	3,558.71	32.03	32.16	0.13	3,526.66
	06/15/06	3,558.71	32.02	32.15	0.13	3,526.67
	06/29/06	3,558.71	32.10	32.30	0.20	3,526.58
	07/06/06	3,558.71	32.14	32.33	0.19	3,526.54
	07/18/06	3,558.71	32.14	32.33	0.19	3,526.54
	07/26/06	3,558.71	31.15	32.36	1.21	3,527.38
	07/31/06	3,558.71	32.16	32.33	0.17	3,526.52
	08/08/06	3,558.71	32.19	32.35	0.16	3,526.50
	08/18/06	3,558.71	32.19	32.36	0.17	3,526.49
	08/22/06	3,558.71	32.21	32.37	0.16	3,526.48
	09/05/06	3,558.71	32.14	32.29	0.15	3,526.55
	09/16/06	3,558.71	32.05	32.21	0.16	3,526.64
	11/13/06	3,558.71	31.94	32.15	0.21	3,526.74
	11/14/06	3,558.71	31.95	32.14	0.19	3,526.73
MW-3	01/11/06	3,558.53	31.90	32.25	0.35	3,526.58
	01/27/06	3,558.53	31.90	32.40	0.50	3,526.56
	02/09/06	3,558.53	31.87	32.20	0.33	3,526.61
	02/16/06	3,558.53	31.86	32.13	0.27	3,526.63
	02/24/06	3,558.53	31.86	32.07	0.21	3,526.64
	03/08/06	3,558.53	31.82	32.03	0.21	3,526.68
	03/08/06	3,558.53	31.81	32.00	0.19	3,526.69
	03/24/06	3,558.53	31.84	31.96	0.12	3,526.67
	03/31/06	3,558.53	31.80	31.90	0.10	3,526.72
	04/19/06	3,558.53	32.78	32.85	0.07	3,525.74
	05/04/06	3,558.53	31.75	31.81	0.06	3,526.77
	06/02/06	3,558.53	31.75	31.80	0.05	3,526.77
	06/07/06	3,558.53	sheen	31.78	0.00	3,526.75

TABLE 1

2006 GROUNDWATER ELEVATION DATA

PLAINS MAREKTING, L.P.
MONUMENT 18
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-3	06/15/06	3,558.53	sheen	31.79	0.00	3,526.74
	06/29/06	3,558.53	31.85	31.87	0.02	3,526.68
	07/06/06	3,558.53	31.89	31.91	0.02	3,526.64
	07/18/06	3,558.53	31.89	31.90	0.01	3,526.64
	07/26/06	3,558.53	sheen	31.91	0.00	3,526.62
	07/31/06	3,558.53	sheen	31.92	0.00	3,526.61
	08/08/06	3,558.53	31.94	31.95	0.01	3,526.59
	08/18/06	3,558.53	31.95	31.96	0.01	3,526.58
	08/22/06	3,558.53	32.03	32.04	0.01	3,526.50
	09/05/06	3,558.53	sheen	31.89	0.00	3,526.64
	09/16/06	3,558.53	sheen	31.80	0.00	3,526.73
	11/13/06	3,558.53	sheen	31.72	0.00	3,526.81
	11/14/06	3,558.53	sheen	31.71	0.00	3,526.82
MW-4	01/11/06	3,558.14	31.50	31.55	0.05	3,526.63
	01/27/06	3,558.14	31.50	31.51	0.01	3,526.64
	02/09/06	3,558.14	31.45	31.55	0.10	3,526.68
	02/24/06	3,558.14	31.43	31.56	0.13	3,526.69
	03/08/06	3,558.14	31.40	31.49	0.09	3,526.73
	03/08/06	3,558.14	31.38	31.43	0.05	3,526.75
	03/24/06	3,558.14	31.37	31.59	0.22	3,526.74
	03/31/06	3,558.14	31.35	31.40	0.05	3,526.78
	05/04/06	3,558.14	31.28	31.48	0.20	3,526.83
	06/02/06	3,558.14	31.30	31.47	0.17	3,526.81
	06/07/06	3,558.14	31.31	31.41	0.10	3,526.82
	06/15/06	3,558.14	31.31	31.48	0.17	3,526.80
	06/29/06	3,558.14	31.32	31.79	0.47	3,526.75
	07/06/06	3,558.14	31.38	31.86	0.48	3,526.69
	07/18/06	3,558.14	31.41	31.74	0.33	3,526.68
	07/26/06	3,558.14	31.42	31.83	0.41	3,526.66
	07/31/06	3,558.14	31.42	31.74	0.32	3,526.67
	08/08/06	3,558.14	31.44	31.85	0.41	3,526.64
	08/18/06	3,558.14	31.44	31.85	0.41	3,526.64
	08/22/06	3,558.14	31.74	31.86	0.12	3,526.38
	09/05/06	3,558.14	31.59	31.62	0.03	3,526.55
	09/16/06	3,558.14	31.32	31.47	0.15	3,526.80
	11/13/06	3,558.14	31.20	31.49	0.29	3,526.90
	11/14/06	3,558.14	31.20	31.50	0.30	3,526.90
MW-5	*03/08/06*	3,560.07	-	33.64	0.00	3,526.43

TABLE 1

2006 GROUNDWATER ELEVATION DATA

PLAINS MAREKTING, L.P.
MONUMENT 18
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-5	*06/07/06*	3,560.07	-	33.58	0.00	3,526.49
	09/05/06	3,560.07	-	33.68	0.00	3,526.39
	11/13/06	3,560.07	-	33.49	0.00	3,526.58
MW-6	*03/08/06*	3,557.64	-	30.85	0.00	3,526.79
	06/07/06	3,557.64	-	30.82	0.00	3,526.82
	09/05/06	3,557.64	-	30.91	0.00	3,526.73
	11/13/06	3,557.64	-	30.71	0.00	3,526.93
MW-7	*03/08/06*	3,558.65	-	31.83	0.00	3,526.82
	06/07/06	3,558.65	-	31.76	0.00	3,526.89
	09/05/06	3,558.65	-	31.82	0.00	3,526.83
	11/13/06	3,558.65	-	31.68	0.00	3,526.97
MW-8	*03/08/06*	3,559.30	-	32.73	0.00	3,526.57
	06/07/06	3,559.30	-	32.68	0.00	3,526.62
	09/05/06	3,559.30	-	32.78	0.00	3,526.52
	11/13/06	3,559.30	-	32.6	0.00	3,526.70
MW-9	*03/08/06*	3,559.94	-	33.47	0.00	3,526.47
	06/07/06	3,559.94	-	33.43	0.00	3,526.51
	09/05/06	3,559.94	-	33.54	0.00	3,526.40
	11/13/06	3,559.94	-	33.34	0.00	3,526.60
MW-10	*03/08/06*	3,558.06	-	31.41	0.00	3,526.65
	06/07/06	3,558.06	-	31.37	0.00	3,526.69
	09/05/06	3,558.06	-	31.47	0.00	3,526.59
	11/13/06	3,558.06	-	31.28	0.00	3,526.78

TABLE 2

2006 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

MONUMENT 18

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	03/08/06	Not Sampled due to PSH in Well				
	06/07/06	Not Sampled due to PSH in Well				
	09/05/06	Not Sampled due to PSH in Well				
	11/13/06	Not Sampled due to PSH in Well				
MW-3	03/08/06	Not Sampled due to PSH in Well				
	06/07/06	**0.068**	0.002	0.020	0.104	
	09/05/06	**0.022**	<0.001	0.009	0.036	
	11/13/06	0.00870	<0.001	0.00410	0.01550	
MW-4	03/08/06	**0.038**	<0.001	0.069	0.102	
	06/07/06	Not sampled due to PSH in Well				
	09/05/06	Not sampled due to PSH in Well				
	11/13/06	Not sampled due to PSH in Well				
MW-5	03/08/06	Not Sampled on Current Sample Schedule				
	06/07/06	<0.005	<0.005	<0.005	<0.005	
	09/05/06	Not Sampled on Current Sample Schedule				
	11/13/06	<0.001	<0.001	<0.001	<0.001	
MW-6	03/08/06	Not Sampled on Current Sample Schedule				
	06/07/06	Not Sampled on Current Sample Schedule				
	09/05/06	Not Sampled on Current Sample Schedule				
	11/13/06	<0.001	<0.001	<0.001	<0.001	
MW-7	03/08/06	Not Sampled on Current Sample Schedule				
	06/07/06	Not Sampled on Current Sample Schedule				
	09/05/06	Not Sampled on Current Sample Schedule				
	11/13/06	<0.001	<0.001	0.00120	<0.001	
MW-8	03/08/06	Not Sampled on Current Sample Schedule				
	06/07/06	Not Sampled on Current Sample Schedule				
	09/05/06	Not Sampled on Current Sample Schedule				
	11/13/06	<0.001	<0.001	<0.001	<0.001	
MW-9	03/08/06	0.001	<0.001	<0.001	<0.001	
	06/07/06	<0.005	<0.005	<0.005	<0.005	
	09/05/06	Not Sampled				

TABLE 2

2006 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

MONUMENT 18

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-9	11/13/06	<0.001	<0.001	<0.001	<0.001	
MW-10	03/08/06	0.0019	<0.001	<0.001	<0.001	
	06/07/06	<0.005	<0.005	<0.005	<0.005	
	09/05/06	0.0020	<0.001	<0.001	<0.001	
	11/13/06	<0.001	<0.001	<0.001	<0.001	

Note: NA indicates well not sampled due to access limitations imposed by landowner.

APPENDICES

APPENDIX A:
Release Notification and Corrective Action
(Form C-141)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Report

Name of Company	Plains Pipeline, LP	Contact:	Camille Reynolds
Address:	3705 E. Hwy 158, Midland, TX 79706	Telephone No.	505-441-0965
Facility Name	Monument # 18	Facility Type:	Pipeline

Surface Owner:	Mineral Owner	Lease No.
Jim B Cooper		

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	7	20S	37E					Lea

Latitude 32 degrees 35' 30.0" **Longitude** 103 degrees 17' 55.9"

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