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Annual GW Mon. REPORTS

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2008
ANNUAL MONITORING REPORT

DENTON STATION

NW ¼, NE ¼ SECTION 14, TOWNSHIP 15 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS SRS NUMBER: 2003-00338
NMOCD Reference 1R-0234

PREPARED FOR:

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NOVA
safety and environmental

PREPARED BY:

NOVA Safety and Environmental
2057 Commerce
Midland, Texas 79703

February 2009

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Project Manager

Brittan K. Byerly, P.G.
President

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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 or about April 1, 2007, project management responsibilities for the Denton Station Release Site (the site) were assumed by NOVA. The source of the release was reportedly a former crude oil tank battery located in the northeastern quadrant of the fenced facility. The site, formerly the responsibility of Shell Pipeline Corporation (SPLC), 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 2008 only. However, historic data tables as well as 2008 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 2008 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 sampled as per a NMOCD directive.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The site is located approximately twelve miles east of the town of Lovington, New Mexico near State Highway 82 in the SE ¼ of the NE ¼ Section 14, Township 15 South, Range 37 East and the NW ¼ of the NE ¼ Section 14, Township 15 South, Range 37 East. The site coordinates are latitude 33° 01' 6.48" North, longitude 103° 09' 46.6" West. An out of service water well (WW-1) is located on site and is completed to a total depth of approximately ninety-seven feet (97') below ground surface (bgs). The water well has been converted to a recovery well.

Currently, there are seventeen monitor wells (MW-1 through MW-17) and one out of service water well (WW-1) onsite. The automated product recovery system was upgraded and operated on site during all four quarters the reporting period. Manual product recovery was performed on those wells not included in the automated recovery system.

FIELD ACTIVITIES

Product Recovery Efforts

A measurable thickness of PSH was present in four monitor wells (MW-3, MW-5, MW-7 and MW-17) and the out of service water well (WW-1) during each quarter of the reporting period. PSH thicknesses of 0.01 feet and 0.02 feet were reported in monitor wells MW-1 and MW-4 during the 1st quarter of 2008, respectively. Monitor wells MW-5, MW-7, MW-17 and water well WW-1 use total fluid skimmer pumps for PSH recovery. The average thickness of PSH in monitor wells exhibiting PSH and the out of service water well is 1.71 feet. The maximum thickness of PSH in monitor or water well was 5.47 feet as recorded in monitor well MW-17 on

December 11, 2008. PSH data for the 2008 gauging events can be found in Table 1. Approximately 844 gallons (20.1 barrels) of PSH were recovered from the site during this reporting period. Approximately 7,843 gallons (187 barrels) of PSH have been recovered from the site utilizing manual and automated methods since project inception.

Groundwater Monitoring

Quarterly monitoring events for the reporting period were performed according to the following sampling schedule.

NMOCD APPROVED SAMPLING SCHEDULE					
Location	**Schedule**	**Location**	**Schedule**	**Location**	**Schedule**
MW-1	Quarterly	MW-7	Quarterly	MW-13	Quarterly
MW-2	Quarterly	MW-8	Quarterly	MW-14	Quarterly
MW-3	Quarterly	MW-9	Quarterly	MW-15	Quarterly
MW-4	Quarterly	MW-10	Quarterly	MW-16	Quarterly
MW-5	Quarterly	MW-11	Quarterly	MW-17	Quarterly
MW-6	Quarterly	MW-12	Quarterly	WW-1	Quarterly

The site monitor wells were gauged and sampled on March 7, June 4, September 16, and December 11, 2008. During each sampling event the monitor wells were purged of a minimum of three well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos Pump. Groundwater was allowed to recharge and samples were collected using disposable Teflon samplers. Water samples were placed in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of at a licensed disposal facility.

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during each quarterly monitoring event, are depicted on Figures 2A through 2D, the Inferred Groundwater Gradient Maps. Groundwater elevation data for 2008 is provided as Table 1. Historic groundwater elevation data beginning at project inception is provided on the enclosed data disk.

The most recent Inferred Groundwater Gradient map, Figure 2D, indicates a general gradient of approximately 0.0019 feet/foot to the southeast as measured between recovery well MW-4 and monitor well MW-15. This is consistent with data presented on Figures 2A through 2C from the earlier quarters.

LABORATORY RESULTS

Groundwater samples obtained during the quarterly sampling events of 2008 were delivered to TraceAnalysis, Inc. in Midland, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method 8021B, and Polynuclear Aromatic Hydrocarbons (PAH) concentrations by EPA Method 8270C. Monitoring wells containing measurable amounts of PSH were analyzed for Total Petroleum Hydrocarbons (TPH) concentrations by EPA Method 8015M. A listing of BTEX and TPH constituent concentrations for 2008 are summarized in Table 2 and the PAH constituent concentrations for 2008 are summarized in Table 3. Copies of the laboratory reports generated for 2008 are provided on the

enclosed data disk. The quarterly groundwater sample results for BTEX constituent concentrations are depicted on Figures 3A through 3D.

Monitor well MW-1 is monitored on a quarterly schedule. Monitor well MW-1 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH. PSH thickness of 0.01 feet was reported during the 1st quarter of 2008. Benzene concentrations were above the NMOCD regulatory standard during the 4th quarter of the reporting period with a concentration of 0.890 mg/L. Toluene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of <0.010 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.195 mg/L. Xylene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.240 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.135 mg/L), 1-methylnaphthalene (0.397 mg/L) and 2-methylnaphthalene (0.529 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.0589 mg/L), phenanthrene (0.0849 mg/L) and dibenzofuran (0.024 mg/L), which are below WQCC standards.

Monitor well MW-2 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-3 is monitored on a quarterly schedule. Monitor well MW-3 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH in the monitor well and was not sampled during the 4th quarter due to insufficient water volume in the well. PSH thicknesses of 2.23 feet, 0.98 feet and 1.65 feet were reported during the 1st, 2nd and 3rd quarters of 2008, respectively. PAH analysis was not conducted due to insufficient water volume in the well.

Monitor well MW-4 is sampled on a quarterly schedule. Monitor well MW-4 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH. PSH thickness of 0.02 feet was reported during the 1st quarter of 2008. Benzene concentrations were above the NMOCD regulatory standard during the 4th quarter of the reporting period with a concentration of 0.270 mg/L. Toluene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of <0.010 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of <0.010 mg/L. Xylene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of <0.010 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.00565 mg/L).. Additional PAH constituents detected above MDLs include 1-methylnaphthalene (0.00523 mg/L), 2-methylnaphthalene (0.00331 mg/L), fluorene (0.00202 mg/L), phenanthrene (0.001 mg/L) and dibenzofuran (0.00141 mg/L), which are below WQCC standards.

Monitor well MW-5 is monitored on a quarterly schedule. Monitor well MW-5 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 1.69 feet, 0.60 feet and 2.38 feet were reported during the 1st, 2nd and 3rd quarters of 2008, respectively. Benzene concentrations were above the NMOCD regulatory standard during the 4th quarter of the reporting period with a concentration of 0.560 mg/L. Toluene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.785 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.547 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 1.810 mg/L. Analytical results indicated a total TPH result of 148.3 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.376 mg/L), 1-methylnaphthalene (0.949 mg/L) and 2-methylnaphthalene (1.26 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.0758 mg/L), phenanthrene (0.115 mg/L) and dibenzofuran (0.041 mg/L), which are below WQCC standards.

Monitor well MW-6 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0425 mg/L during the 2nd quarter of the reporting period to 0.1590 mg/L during the 3rd quarter. Benzene concentrations were above the NMOCD regulatory standard during all four quarters of the reporting period. Toluene concentrations ranged from below the MDL during the 1st, 2nd and 4th quarters to 0.0012 mg/L during the 3rd quarter of the reporting period. Toluene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0074 mg/L during the 2nd quarter to 0.0282 mg/L during the 3rd quarter of the reporting period. Ethylbenzene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations ranged from 0.0065 mg/L during the 1st quarter to 0.0139 mg/L during the 4th quarter of the reporting period. Xylene concentrations were below the NMOCD regulatory standard during the 2nd, 3rd and 4th quarterly sampling events. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.00187 mg/L), 1-methylnaphthalene (0.00275 mg/L), 2-methylnaphthalene (0.00193 mg/L), dibenzofuran (0.00128 mg/L), fluorine (0.00226 mg/L) and phenanthrene (0.0006 mg/L), which are below WQCC standards.

Monitor well MW-7 is monitored on a quarterly schedule. Monitor well MW-7 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 3.39 feet, 0.32 feet and 3.33 feet were reported during the 1st, 2nd and 3rd quarters of 2008, respectively. Benzene concentrations were above the NMOCD regulatory standard during the 4th quarter of the reporting period with a concentration of 2.850 mg/L. Toluene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 2.300 mg/L. Ethylbenzene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 1.070 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 3.290 mg/L. Analytical results indicated a total TPH result of 159.7 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.147 mg/L), 1-methylnaphthalene (0.265 mg/L) and 2-methylnaphthalene (0.339 mg/L). Additional PAH

constituents detected above MDLs include fluorene (0.0218 mg/L), phenanthrene (0.0367 mg/L) and dibenzofuran (0.0153 mg/L), which are below WQCC standards.

Monitor well MW-8 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-9 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-10 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.352 mg/L during the 4th quarter of the reporting period to 0.702 mg/L during the 3rd quarter. Benzene concentrations were above the NMOCD regulatory standard during all four quarters of the reporting period. Toluene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0074 mg/L during the 2nd quarter to 0.0282 mg/L during the 3rd quarter of the reporting period. Ethylbenzene concentrations ranged from 0.0370 mg/L during the 2nd quarter of the reporting period to 0.1100 mg/L during the 4th quarter. Ethylbenzene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations ranged from <0.005 mg/L during the 4th quarter to 0.0455 mg/L during the 4th quarter of the reporting period. Xylene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.000526 mg/L), 1-methylnaphthalene (0.00118 mg/L), 2-methylnaphthalene (0.000314 mg/L), dibenzofuran (0.000623 mg/L) and fluorine (0.000652 mg/L), which are below WQCC standards.

Monitor well MW-11 is sampled on a quarterly schedule. Monitor well MW-11 was not sampled during the 2nd quarter due to damage of the well casing at the well surface. Analytical results for the 1st, 3rd and 4th quarterly events indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-12 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0431 mg/L during the 1st quarter to 0.2040 mg/L during the 2nd quarter of 2008. Benzene concentrations were above the NMOCD regulatory standard during all four quarters of the reporting period. Toluene, ethylbenzene and xylene concentrations were below the MDL and the NMOCD regulatory standard during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-13 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-14 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-15 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-16 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-17 is monitored on a quarterly schedule. Monitor well MW-17 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 5.22 feet, 5.20 feet and 5.51 feet were reported during the 1st, 2nd and 3rd quarters of 2008, respectively. Benzene concentrations were above the NMOCD regulatory standard during the 4th quarter of the reporting period with a concentration of 2.528 mg/L. Toluene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 1.080 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.621 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 1.780 mg/L. Analytical results indicated a total TPH result of 88.3 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.398 mg/L), 1-methylnaphthalene (0.888 mg/L) and 2-methylnaphthalene (1.24 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.0694 mg/L), phenanthrene (0.113 mg/L) and dibenzofuran (0.0437 mg/L), which are below WQCC standards.

Water Well WW-1 is monitored on a quarterly schedule. Water well WW-1 was not sampled during the 1st, 2nd and 3rd quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.67 feet, 0.46 feet and 0.95 feet were reported during the 1st, 2nd and 3rd quarters of 2008, respectively. Benzene concentrations were above the NMOCD regulatory standard during the 4th quarter of the reporting period with a concentration of 0.233 mg/L. Toluene

concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.294 mg/L. Ethylbenzene concentrations were below NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.148 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period with a concentration of 0.681 mg/L. Analytical results indicated a total TPH result of 77.89 mg/L. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.382 mg/L), 1-methylnaphthalene (0.934 mg/L) and 2-methylnaphthalene (1.38 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.0757 mg/L), phenanthrene (0.122 mg/L) and dibenzofuran (0.027 mg/L), which are below WQCC standards.

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 2008 annual monitoring period. Currently, there are seventeen monitor wells (MW-1 through 17) and one out of service water well (WW-1) onsite. A measurable thickness of PSH was present in four monitor wells (MW-3, MW-5, MW-7 and MW-17) and the out of service water well (WW-1) during each quarter of the reporting period. PSH thicknesses of 0.01 feet and 0.02 feet were reported in monitor wells MW-1 and MW-4 during the 1st quarter of 2008, respectively. The average thickness of PSH in monitor wells exhibiting PSH and the out of service water well is 1.71 feet. The maximum thickness of PSH in monitor or water well was 5.47 feet as recorded in monitor well MW-17 on December 11, 2008. The automated product recovery system was upgraded and operated on site during all four quarters the reporting period. Manual product recovery was performed on those wells not included in the recovery system.

Approximately 844 gallons (20.1 barrels) of PSH were recovered from the site during this reporting period. Approximately 7,843 gallons (187 barrels) of PSH have been recovered from the site utilizing manual and automated methods since project inception. The most recent Inferred Groundwater Gradient map, Figure 2D, indicates a general gradient of approximately 0.0019 feet/foot to the southeast as measured between recovery well MW-4 and monitor well MW-15.

ANTICIPATED ACTIONS

Quarterly groundwater monitoring and sampling will continue in 2009. An Annual Monitoring Report will be submitted to the NMOCD by April 1, 2010. The automated recovery system will be monitored and adjusted to maximize the efficiency of product removal and gradient control.

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.

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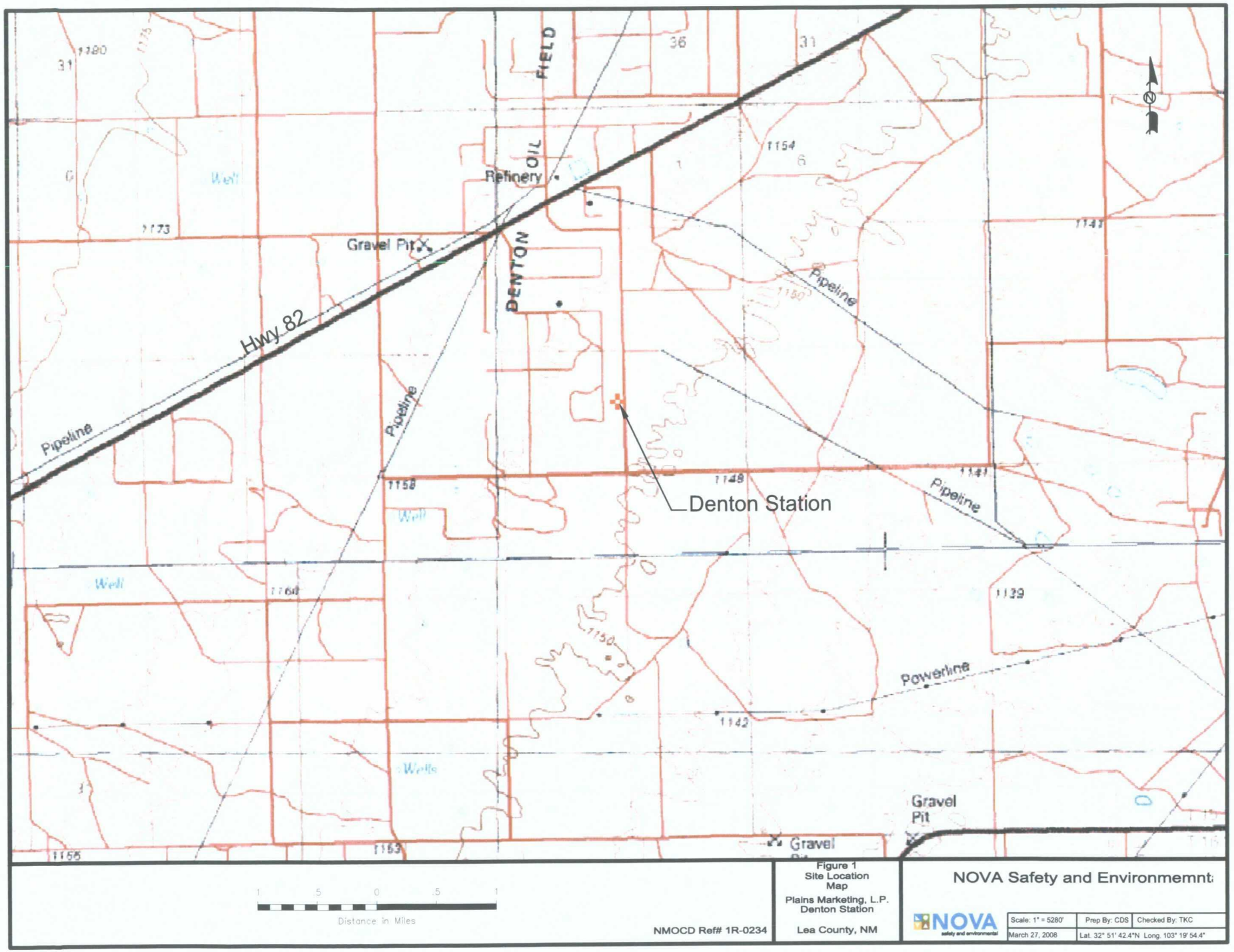
FIGURES

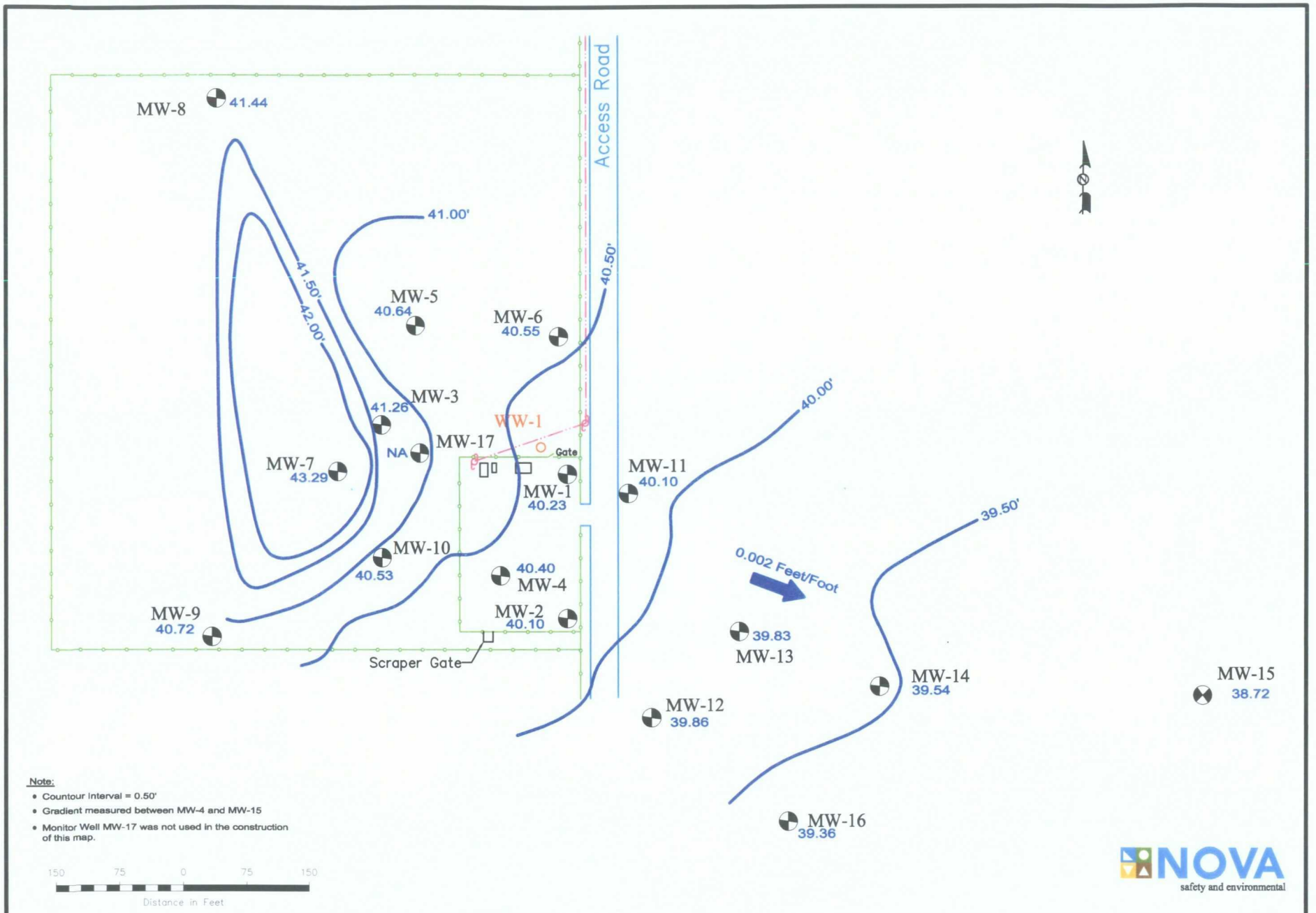


NMOCD Ref# 1R-0234

Figure 1
Site Location Map
Plains Marketing, L.P.
Denton Station
Lea County, NM

NOVA Safety and Environmemnt

Scale: 1" = 5280'	Prep By: CDS	Checked By: TKC
March 27, 2008	Lat. 32° 51' 42.4"N	Long. 103° 19' 54.4"



Legend:

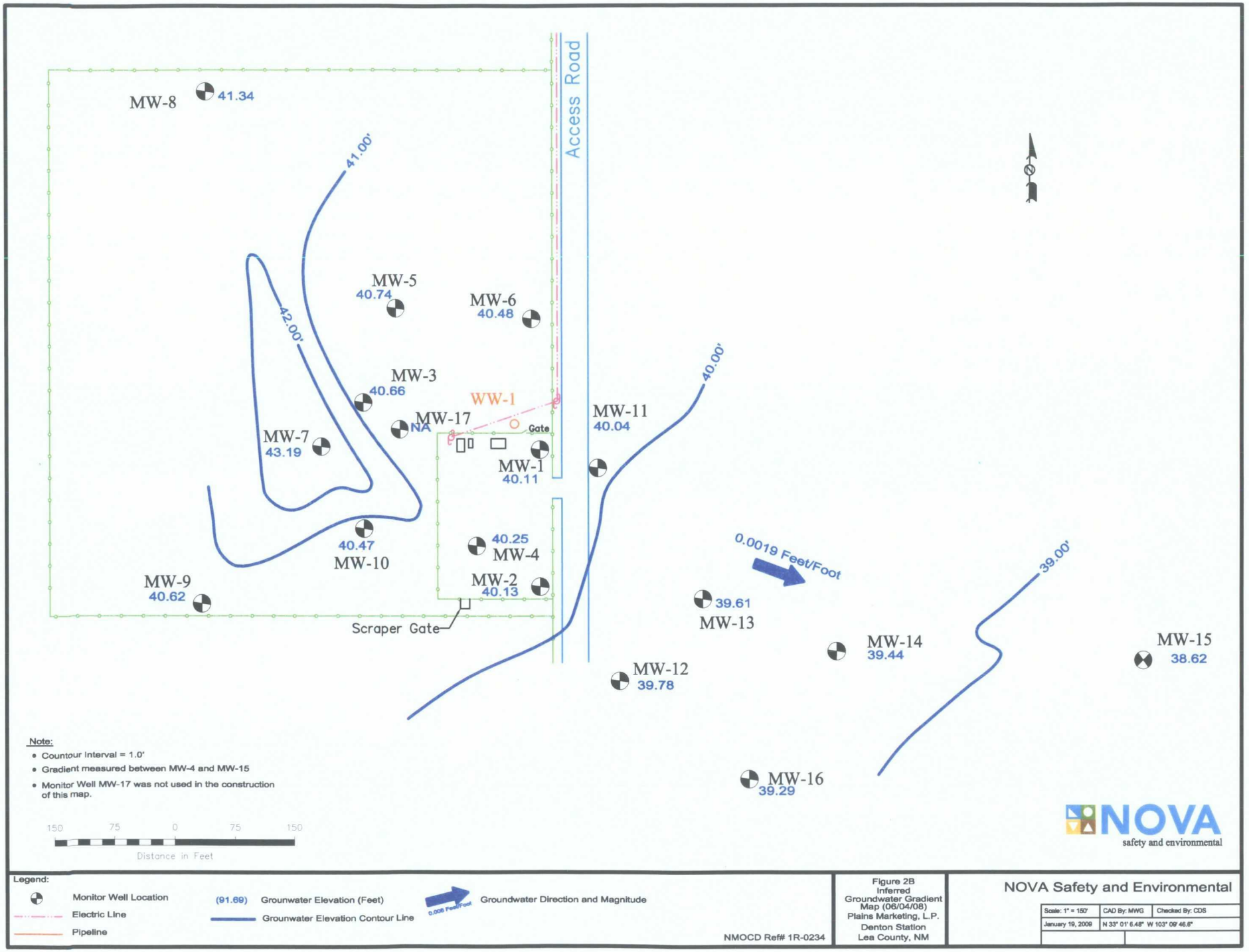
- Monitor Well Location
- Electric Line
- Pipeline
- (91.69) Grounwater Elevation (Feet)
- Grounwater Elevation Contour Line
- Groundwater Direction and Magnitude

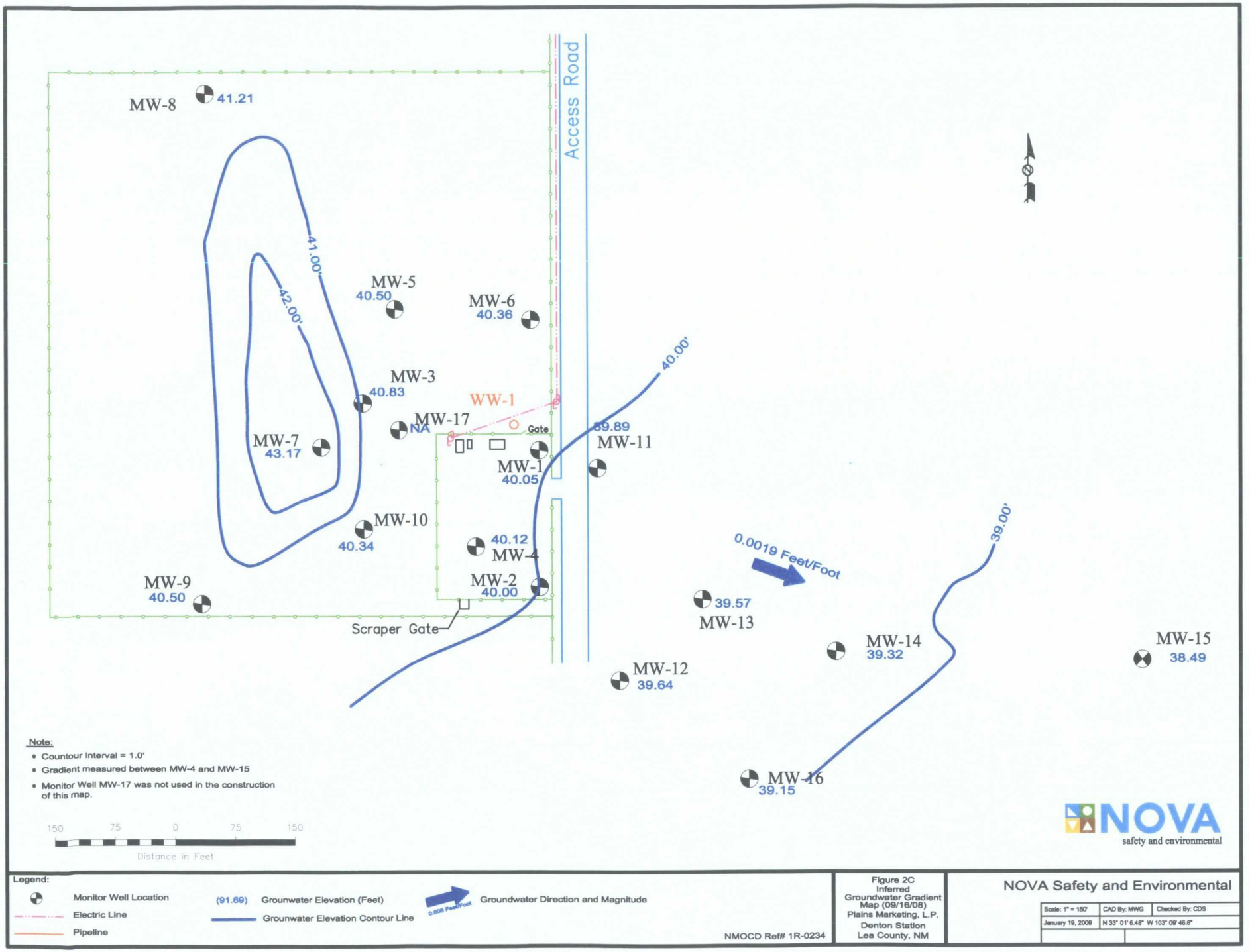
NMOCD Ref# 1R-0234

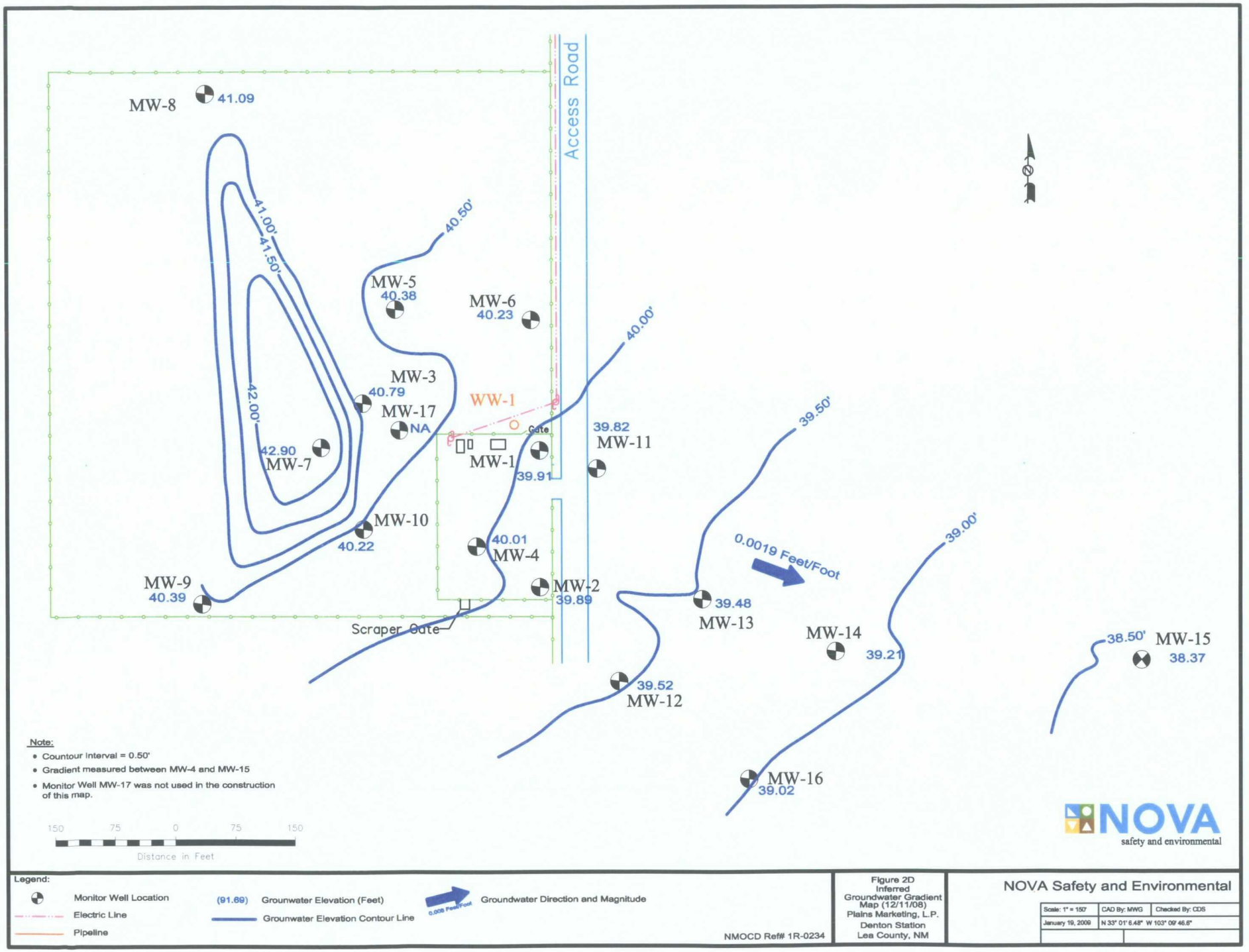
Figure 2A
Inferred
Groundwater Gradient
Map (03/07/08)
Plains Marketing, L.P.
Denton Station
Lea County, NM

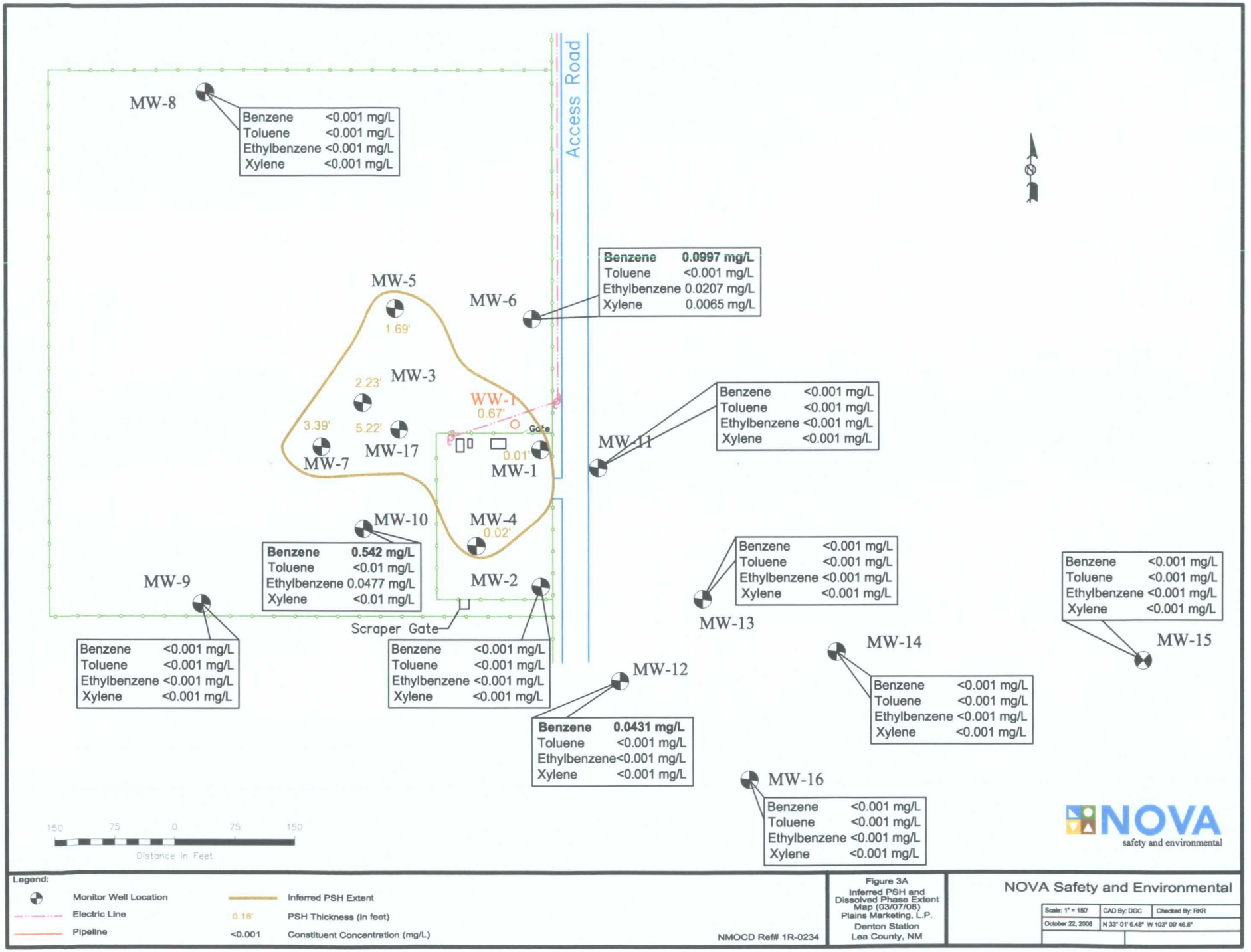
NOVA Safety and Environmental

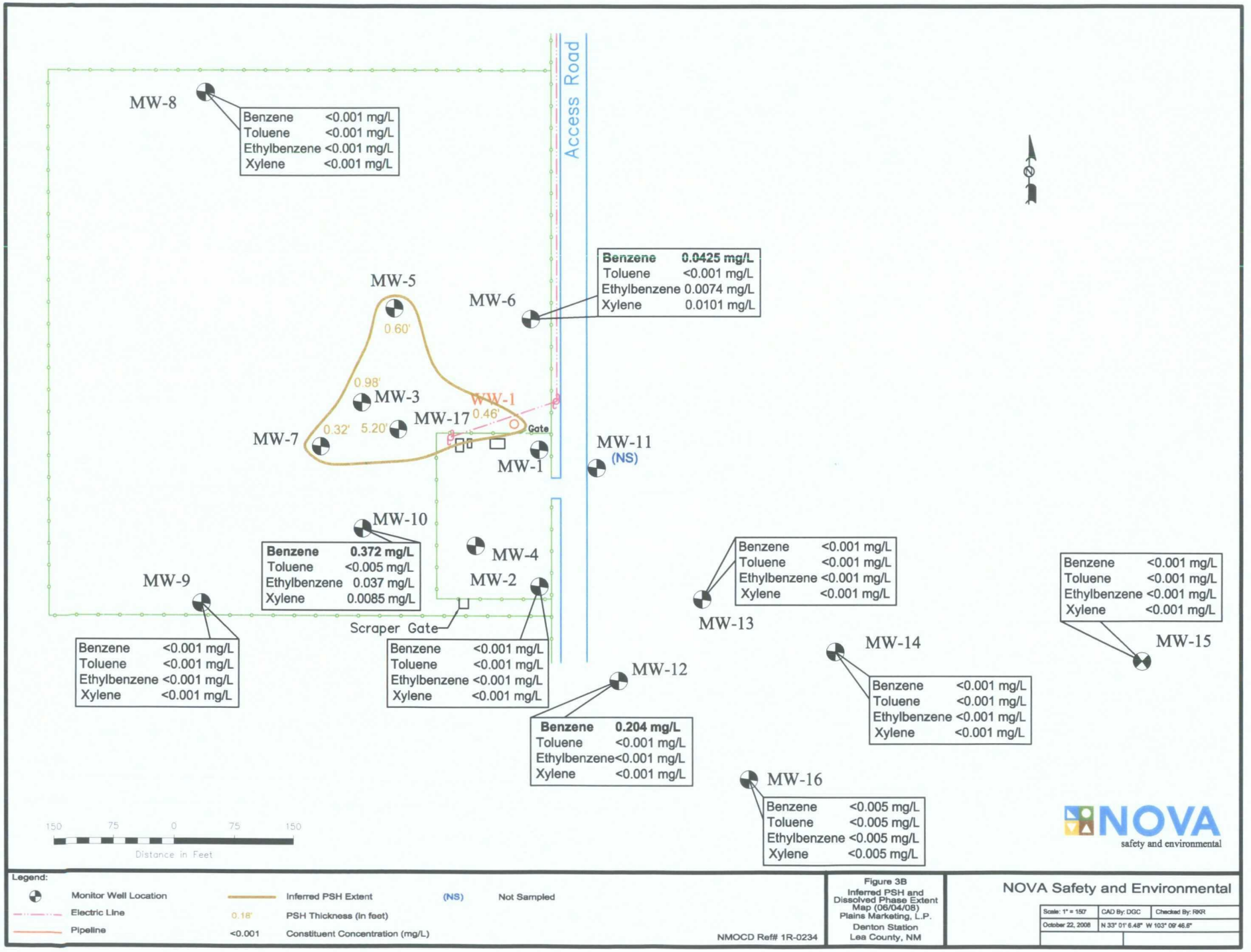
Scale: 1" = 150'	CAD By: MWG	Checked By: CDS
January 19, 2009	N 33° 01' 6.48" W 103° 09' 46.8"	

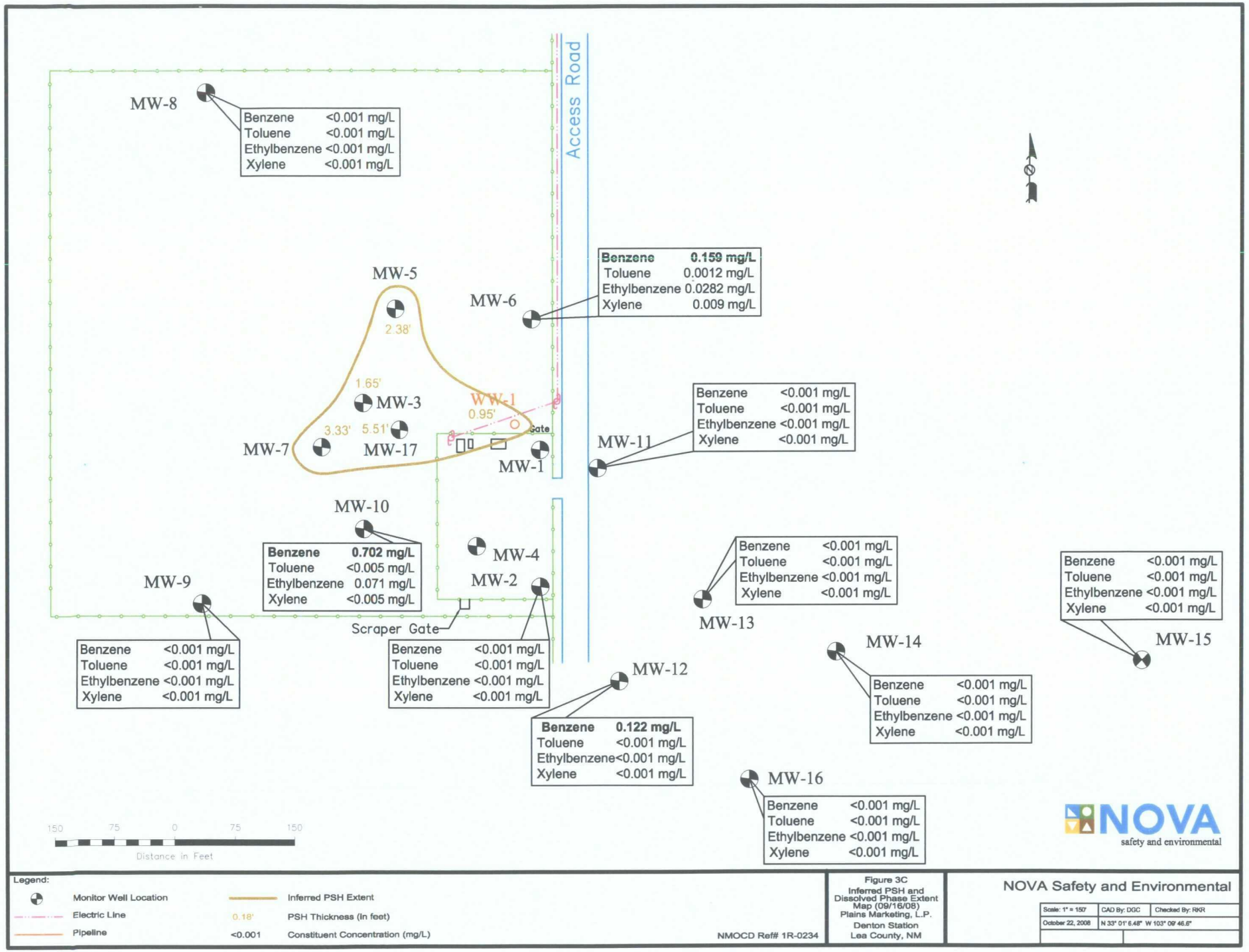

MW-8
41.34
Access Road
41.00'
MW-5
40.74
MW-6
40.48
42.00'
MW-3
40.66
WW-1
MW-17
NA
Gate
MW-11
40.04
40.00'
MW-7
43.19
MW-1
40.11
40.47
MW-10
40.25
MW-4
MW-9
40.62
MW-2
40.13
Scraper Gate
0.0019 Feet/Foot
39.61
MW-13
39.00'
MW-14
39.44
MW-15
38.62
MW-12
39.78
MW-16
39.29
Note:
Countour Interval = 1.0'
Gradient measured between MW-4 and MW-15
Monitor Well MW-17 was not used in the construction of this map.
150 75 0 75 150
Distance in Feet
NOVA
safety and environmental
Legend:
Monitor Well Location
Electric Line
Pipeline
(91.69) Grounwater Elevation (Feet)
Grounwater Elevation Contour Line
0.006 Feet/Foot
Groundwater Direction and Magnitude
NMOCD Ref# 1R-0234
Figure 2B
Inferred
Groundwater Gradient
Map (06/04/08)
Plains Marketing, L.P.
Denton Station
Lea County, NM
NOVA Safety and Environmental
Scale: 1" = 150'
CAD By: MWG
Checked By: CDS
January 19, 2009
N 33° 01' 6.48" W 103° 09' 46.6"

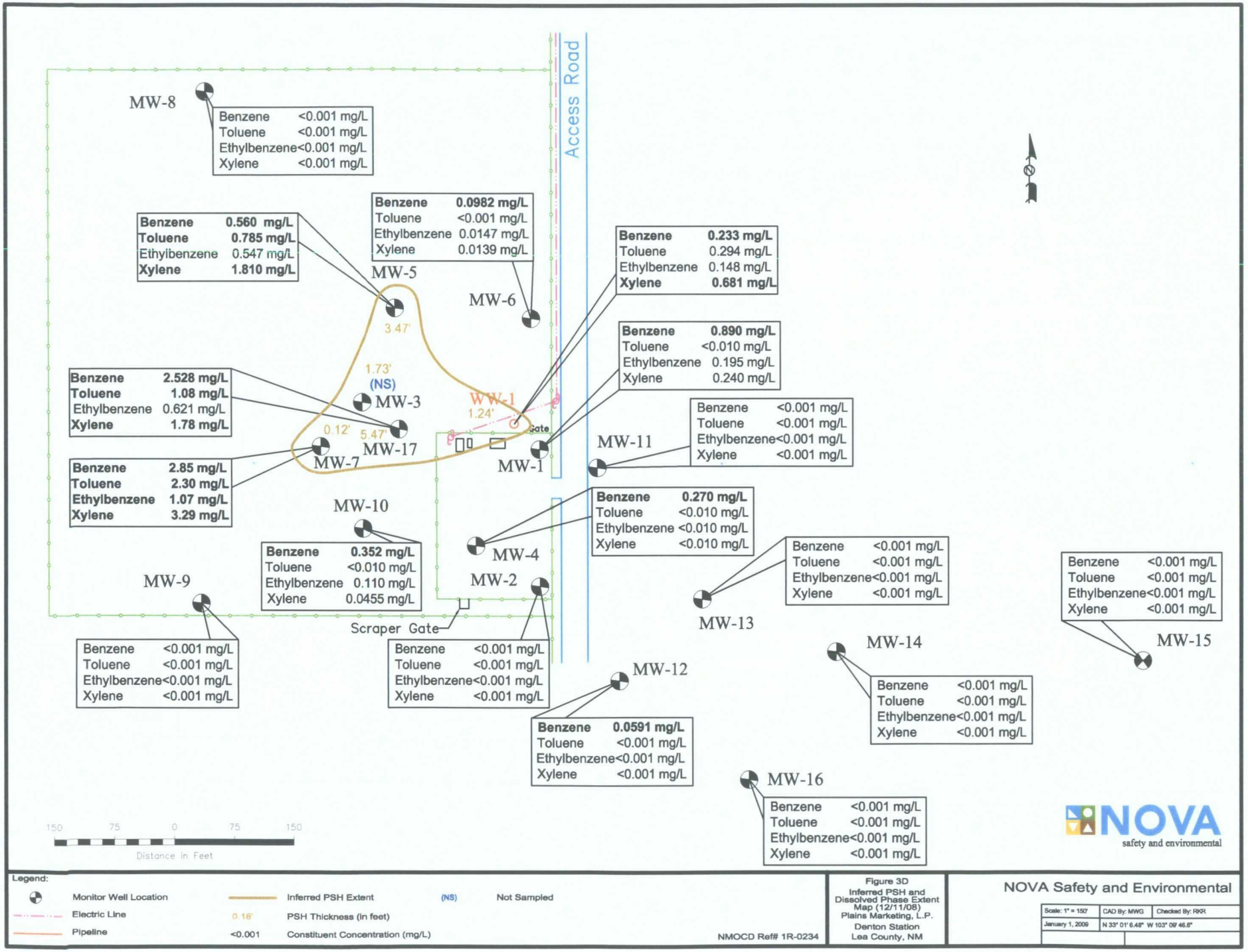

Access Road
MW-8
41.21
41.00'
42.00'
MW-5
40.50
MW-6
40.36
MW-3
40.83
WW-1
MW-17
NA
Gate
MW-7
43.17
MW-1
40.05
39.89
MW-11
40.00'
MW-10
40.34
40.12
MW-4
MW-2
40.00
MW-9
40.50
Scraper Gate
0.0019 Feet/Foot
39.57
MW-13
MW-14
39.32
MW-15
38.49
MW-12
39.64
39.00'
MW-16
39.15
Note:
• Countour Interval = 1.0'
• Gradient measured between MW-4 and MW-15
• Monitor Well MW-17 was not used in the construction of this map.
150 75 0 75 150
Distance in Feet
NOVA
safety and environmental
Legend:
Monitor Well Location
Electric Line
Pipeline
(91.69) Grounwater Elevation (Feet)
Grounwater Elevation Contour Line
0.008 Feet/Foot
Groundwater Direction and Magnitude
NMOCD Ref# 1R-0234
Figure 2C
Inferred
Groundwater Gradient
Map (09/16/08)
Plains Marketing, L.P.
Denton Station
Lea County, NM
NOVA Safety and Environmental
Scale: 1" = 150'
CAD By: MWG
Checked By: CDS
January 19, 2009
N 33° 01' 6.48" W 103° 09' 46.8"


Access Road
MW-8
41.09
41.00'
41.50'
42.00'
40.50'
MW-5
40.38
MW-6
40.23
40.00'
MW-3
40.79
MW-17
NA
WW-1
Gate
42.90
MW-7
MW-1
39.91
39.82
MW-11
39.50'
MW-10
40.22
40.01
MW-4
0.0019 Feet/Foot
39.00'
MW-9
40.39
MW-2
39.89
39.48
MW-13
Scraper Gate
MW-14
39.21
38.50'
MW-15
38.37
39.52
MW-12
MW-16
39.02
N
Note:
• Countour Interval = 0.50'
• Gradient measured between MW-4 and MW-15
• Monitor Well MW-17 was not used in the construction of this map.
150 75 0 75 150
Distance in Feet
NOVA
safety and environmental
Legend:
Monitor Well Location
Electric Line
Pipeline
(91.69) Grounwater Elevation (Feet)
Grounwater Elevation Contour Line
0.008 Feet/Foot
Groundwater Direction and Magnitude
NMOCD Ref# 1R-0234
Figure 2D
Inferred
Groundwater Gradient
Map (12/11/08)
Plains Marketing, L.P.
Denton Station
Lea County, NM
NOVA Safety and Environmental
Scale: 1" = 150'
CAD By: MWG
Checked By: CDS
January 19, 2009
N 33° 01' 6.48" W 103° 09' 46.6"


Access Road
MW-8
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-5
1.69'
MW-6
Benzene 0.0997 mg/L
Toluene <0.001 mg/L
Ethylbenzene 0.0207 mg/L
Xylene 0.0065 mg/L
MW-3
2.23'
WW-1
0.67'
3.39'
5.22'
MW-17
MW-7
Gate
0.01'
MW-1
MW-11
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-10
MW-4
0.02'
Benzene 0.542 mg/L
Toluene <0.01 mg/L
Ethylbenzene 0.0477 mg/L
Xylene <0.01 mg/L
MW-9
MW-2
Scraper Gate
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-13
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-15
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-14
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-12
Benzene 0.0431 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-16
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
150 75 0 75 150
Distance in Feet
NOVA
safety and environmental
Legend:
Monitor Well Location
Electric Line
Pipeline
Inferred PSH Extent
0.18' PSH Thickness (In feet)
<0.001 Constituent Concentration (mg/L)
NMOCD Ref# 1R-0234
Figure 3A
Inferred PSH and Dissolved Phase Extent Map (03/07/08)
Plains Marketing, L.P.
Denton Station
Lea County, NM
NOVA Safety and Environmental
Scale: 1" = 150'
CAD By: DGC
Checked By: RKR
October 22, 2008
N 33° 01' 6.48" W 103° 09' 46.6"


Access Road
MW-8
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-5
0.60'
MW-6
Benzene 0.0425 mg/L
Toluene <0.001 mg/L
Ethylbenzene 0.0074 mg/L
Xylene 0.0101 mg/L
0.98'
MW-3
WW-1
0.46'
MW-17
0.32'
5.20'
MW-7
Gate
MW-1
MW-11
(NS)
MW-10
Benzene 0.372 mg/L
Toluene <0.005 mg/L
Ethylbenzene 0.037 mg/L
Xylene 0.0085 mg/L
MW-4
MW-2
MW-9
Scraper Gate
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-12
Benzene 0.204 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-13
MW-14
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-15
MW-16
Benzene <0.005 mg/L
Toluene <0.005 mg/L
Ethylbenzene <0.005 mg/L
Xylene <0.005 mg/L
150 75 0 75 150
Distance in Feet
NOVA
safety and environmental
Legend:
Monitor Well Location
Electric Line
Pipeline
Inferred PSH Extent
0.18' PSH Thickness (in feet)
<0.001 Constituent Concentration (mg/L)
(NS) Not Sampled
NMOCD Ref# 1R-0234
Figure 3B
Inferred PSH and Dissolved Phase Extent Map (06/04/08)
Plains Marketing, L.P.
Denton Station
Lea County, NM
NOVA Safety and Environmental
Scale: 1" = 150'
CAD By: DGC
Checked By: RKR
October 22, 2008
N 33° 01' 6.48" W 103° 09' 46.6"


Access Road
MW-8
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-5
2.38'
MW-6
Benzene 0.159 mg/L
Toluene 0.0012 mg/L
Ethylbenzene 0.0282 mg/L
Xylene 0.009 mg/L
1.65'
MW-3
WW-1
0.95'
3.33'
5.51'
MW-7
MW-17
Gate
MW-1
MW-11
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-10
Benzene 0.702 mg/L
Toluene <0.005 mg/L
Ethylbenzene 0.071 mg/L
Xylene <0.005 mg/L
MW-4
MW-2
MW-9
Scraper Gate
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-13
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-15
MW-14
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-12
Benzene 0.122 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-16
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
150 75 0 75 150
Distance in Feet
NOVA
safety and environmental
Legend:
Monitor Well Location
Electric Line
Pipeline
Inferred PSH Extent
0.18' PSH Thickness (In feet)
<0.001 Constituent Concentration (mg/L)
NMOCD Ref# 1R-0234
Figure 3C
Inferred PSH and Dissolved Phase Extent Map (09/16/08)
Plains Marketing, L.P.
Denton Station
Lea County, NM
NOVA Safety and Environmental
Scale: 1" = 150'
CAD By: DGC
Checked By: RKR
October 22, 2008
N 33° 01' 6.48" W 103° 09' 46.6"


Access Road
MW-8
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
Benzene 0.560 mg/L
Toluene 0.785 mg/L
Ethylbenzene 0.547 mg/L
Xylene 1.810 mg/L
Benzene 0.0982 mg/L
Toluene <0.001 mg/L
Ethylbenzene 0.0147 mg/L
Xylene 0.0139 mg/L
MW-5
MW-6
Benzene 0.233 mg/L
Toluene 0.294 mg/L
Ethylbenzene 0.148 mg/L
Xylene 0.681 mg/L
3.47'
1.73'
(NS)
Benzene 0.890 mg/L
Toluene <0.010 mg/L
Ethylbenzene 0.195 mg/L
Xylene 0.240 mg/L
Benzene 2.528 mg/L
Toluene 1.08 mg/L
Ethylbenzene 0.621 mg/L
Xylene 1.78 mg/L
MW-3
WW-1
1.24'
0.12'
5.47'
MW-17
Gate
MW-7
MW-1
MW-11
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
Benzene 2.85 mg/L
Toluene 2.30 mg/L
Ethylbenzene 1.07 mg/L
Xylene 3.29 mg/L
MW-10
Benzene 0.270 mg/L
Toluene <0.010 mg/L
Ethylbenzene <0.010 mg/L
Xylene <0.010 mg/L
Benzene 0.352 mg/L
Toluene <0.010 mg/L
Ethylbenzene 0.110 mg/L
Xylene 0.0455 mg/L
MW-4
MW-9
MW-2
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-13
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-15
Scraper Gate
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-14
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-12
Benzene 0.0591 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-16
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
150 75 0 75 150
Distance in Feet
NOVA
safety and environmental
Legend:
Monitor Well Location
Electric Line
Pipeline
Inferred PSH Extent
0.18' PSH Thickness (in feet)
<0.001 Constituent Concentration (mg/L)
(NS) Not Sampled
NMOCD Ref# 1R-0234
Figure 3D
Inferred PSH and Dissolved Phase Extent Map (12/11/08)
Plains Marketing, L.P.
Denton Station
Lea County, NM
NOVA Safety and Environmental
Scale: 1" = 150'
CAD By: MWG
Checked By: RKR
January 1, 2009
N 33° 01' 6.48" W 103° 09' 46.8"

TABLES

TABLE 1

2008 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
DENTON STATION
LEA COUNTY, NM
NMOCD REFERENCE #1R-0234

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	01/03/08	101.96	-	61.73	0.00	40.23
MW - 1	01/08/08	101.96	-	61.63	0.00	40.33
MW - 1	01/15/08	101.96	-	61.65	0.00	40.31
MW - 1	01/22/08	101.96	-	61.68	0.00	40.28
MW - 1	02/05/08	101.96	-	61.61	0.00	40.35
MW - 1	02/12/08	101.96	-	61.63	0.00	40.33
MW - 1	02/19/08	101.96	-	61.66	0.00	40.30
MW - 1	02/26/08	101.96	-	61.61	0.00	40.35
MW - 1	*03/07/08*	101.96	61.72	61.73	0.01	40.24
MW - 1	03/11/08	101.96	-	61.73	0.00	40.23
MW - 1	03/18/08	101.96	-	61.71	0.00	40.25
MW - 1	03/21/08	101.96	-	61.66	0.00	40.30
MW - 1	04/01/08	101.96	-	61.74	0.00	40.22
MW - 1	04/08/08	101.96	-	61.77	0.00	40.19
MW - 1	04/16/08	101.96	-	61.79	0.00	40.17
MW - 1	04/22/08	101.96	-	61.83	0.00	40.13
MW - 1	04/29/08	101.96	-	61.79	0.00	40.17
MW - 1	05/06/08	101.96	-	61.88	0.00	40.08
MW - 1	05/13/08	101.96	-	61.81	0.00	40.15
MW - 1	05/20/08	101.96	61.75	61.76	0.01	40.21
MW - 1	06/02/08	101.96	-	61.85	0.00	40.11
MW - 1	*06/04/08*	101.96	-	61.85	0.00	40.11
MW - 1	06/10/08	101.96	-	61.84	0.00	40.12
MW - 1	06/17/08	101.96	61.86	61.87	0.01	40.10
MW - 1	07/08/08	101.96	-	61.89	0.00	40.07
MW - 1	07/21/08	Broken Interface Probe				
MW - 1	08/07/08	101.96	-	61.91	0.00	40.05
MW - 1	08/12/08	101.96	-	61.93	0.00	40.03
MW - 1	08/21/08	101.96	-	61.92	0.00	40.04
MW - 1	08/26/08	101.96	-	61.93	0.00	40.03
MW - 1	09/03/08	101.96	-	61.93	0.00	40.03
MW - 1	*09/16/08*	101.96	-	61.91	0.00	40.05
MW - 1	09/24/08	101.96	61.88	61.89	0.01	40.08
MW - 1	09/30/08	101.96	-	61.94	0.00	40.02
MW - 1	10/06/08	101.96	-	62.06	0.00	39.90
MW - 1	10/24/08	101.96	-	62.03	0.00	39.93
MW - 1	10/27/08	101.96	61.99	62.00	0.01	39.97
MW - 1	11/04/08	101.96	-	62.02	0.00	39.94
MW - 1	11/10/08	101.96	-	62.07	0.00	39.89
MW - 1	11/17/08	101.96	-	62.02	0.00	39.94
MW - 1	*12/11/08*	101.96	-	62.05	0.00	39.91
MW - 1	12/16/08	101.96	-	62.12	0.00	39.84
MW - 1	12/30/08	101.96	-	62.11	0.00	39.85

TABLE 1

2008 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
DENTON STATION
LEA COUNTY, NM
NMOCD REFERENCE #1R-0234

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	*03/07/08*	99.83	-	59.73	0.00	40.10
MW - 2	*06/04/08*	99.83	-	59.70	0.00	40.13
MW - 2	*09/16/08*	99.83	-	59.83	0.00	40.00
MW - 2	*12/11/08*	99.83	-	59.94	0.00	39.89
MW - 3	01/03/08	99.58	57.92	59.70	1.78	41.39
MW - 3	01/08/08	99.58	57.78	60.17	2.39	41.44
MW - 3	01/15/08	99.58	58.55	60.16	1.61	40.79
MW - 3	01/22/08	99.58	58.60	60.02	1.42	40.77
MW - 3	02/05/08	99.58	58.37	60.21	1.84	40.93
MW - 3	02/12/08	99.58	58.54	60.12	1.58	40.80
MW - 3	02/19/08	99.58	58.59	60.12	1.53	40.76
MW - 3	02/26/08	99.58	58.56	60.11	1.55	40.79
MW - 3	*03/07/08*	99.58	57.99	60.22	2.23	41.26
MW - 3	03/11/08	99.58	57.99	60.22	2.23	41.26
MW - 3	03/18/08	99.58	58.49	60.14	1.65	40.84
MW - 3	03/21/08	99.58	58.64	59.47	0.83	40.82
MW - 3	04/01/08	99.58	58.60	60.18	1.58	40.74
MW - 3	04/08/08	99.58	58.69	59.99	1.30	40.70
MW - 3	04/16/08	99.58	58.62	60.08	1.46	40.74
MW - 3	04/22/08	99.58	58.62	60.18	1.56	40.73
MW - 3	04/29/08	99.58	58.69	60.08	1.39	40.68
MW - 3	05/06/08	99.58	58.68	60.15	1.47	40.68
MW - 3	05/13/08	99.58	58.72	60.08	1.36	40.66
MW - 3	05/20/08	99.58	58.71	60.13	1.42	40.66
MW - 3	05/28/08	99.58	58.62	60.11	1.49	40.74
MW - 3	06/02/08	99.58	58.72	59.97	1.25	40.67
MW - 3	*06/04/08*	99.58	58.77	59.75	0.98	40.66
MW - 3	06/10/08	99.58	58.62	60.16	1.54	40.73
MW - 3	06/17/08	99.58	58.71	60.12	1.41	40.66
MW - 3	07/08/08	99.58	58.29	60.16	1.87	41.01
MW - 3	07/21/08	Broken Interface Probe				
MW - 3	08/07/08	99.58	58.28	60.16	1.88	41.02
MW - 3	08/12/08	99.58	58.78	60.17	1.39	40.59
MW - 3	08/21/08	99.58	58.79	60.13	1.34	40.59
MW - 3	08/26/08	99.58	58.88	60.04	1.16	40.53
MW - 3	09/03/08	99.58	58.79	60.13	1.34	40.59
MW - 3	*09/16/08*	99.58	58.50	60.15	1.65	40.83
MW - 3	09/24/08	99.58	58.74	60.12	1.38	40.63
MW - 3	09/30/08	99.58	58.91	59.94	1.03	40.52
MW - 3	10/06/08	99.58	58.97	59.89	0.92	40.47
MW - 3	10/24/08	99.58	58.59	60.19	1.60	40.75
MW - 3	10/27/08	99.58	59.02	59.95	0.93	40.42
MW - 3	11/04/08	99.58	58.96	59.94	0.98	40.47

TABLE 1

2008 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
DENTON STATION
LEA COUNTY, NM
NMOCD REFERENCE #1R-0234

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	11/10/08	99.58	59.10	60.62	1.52	40.25
MW - 3	11/17/08	99.58	59.02	59.76	0.74	40.45
MW - 3	*12/11/08*	99.58	58.53	60.26	1.73	40.79
MW - 3	12/16/05	99.58	58.44	60.29	1.85	40.86
MW - 3	12/30/08	99.58	58.63	60.20	1.57	40.71
MW - 4	*03/07/08*	99.97	59.57	59.59	0.02	40.40
MW - 4	05/06/08	99.97	59.64	59.66	0.02	40.33
MW - 4	05/13/08	99.97	-	59.74	0.00	40.23
MW - 4	05/20/08	99.97	-	59.72	0.00	40.25
MW - 4	06/02/08	99.97	-	59.71	0.00	40.26
MW - 4	*06/04/08*	99.97	-	59.72	0.00	40.25
MW - 4	06/10/08	99.97	-	59.74	0.00	40.23
MW - 4	06/17/08	99.97	-	59.76	0.00	40.21
MW - 4	07/08/08	99.97	-	59.08	0.00	40.89
MW - 4	07/21/08	Broken Interface Probe				
MW - 4	*08/07/08*	99.97	-	59.81	0.00	40.16
MW - 4	08/12/08	99.97	-	59.84	0.00	40.13
MW - 4	08/21/08	99.97	-	59.85	0.00	40.12
MW - 4	08/26/08	99.97	-	59.84	0.00	40.13
MW - 4	09/03/08	99.97	-	59.85	0.00	40.12
MW - 4	*09/16/08*	99.97	-	59.85	0.00	40.12
MW - 4	09/24/08	99.97	-	59.86	0.00	40.11
MW - 4	09/30/08	99.97	-	59.89	0.00	40.08
MW - 4	10/06/08	99.97	-	59.93	0.00	40.04
MW - 4	10/24/08	99.97	-	59.91	0.00	40.06
MW - 4	10/27/08	99.97	-	59.93	0.00	40.04
MW - 4	11/04/08	99.97	-	59.89	0.00	40.08
MW - 4	11/10/08	99.97	-	59.95	0.00	40.02
MW - 4	11/17/08	99.97	-	59.91	0.00	40.06
MW - 4	*12/11/08*	99.97	-	59.96	0.00	40.01
MW - 4	12/16/08	99.97	-	59.94	0.00	40.03
MW - 4	12/30/08	99.97	-	60.00	0.00	39.97
MW - 5	*03/07/08*	100.36	59.47	61.16	1.69	40.64
MW - 5	03/11/08	100.36	59.47	61.16	1.69	40.64
MW - 5	*06/04/08*	100.36	59.53	60.13	0.60	40.74
MW - 5	*09/16/08*	100.36	59.50	61.88	2.38	40.50
MW - 5	09/30/08	100.36	pump in well			100.36
MW - 5	10/06/08	100.36	pump in well			100.36
MW - 5	10/24/08	100.36	pump in well			100.36
MW - 5	10/27/08	100.36	pump in well			100.36
MW - 5	11/10/08	100.36	pump in well			100.36
MW - 5	11/17/08	100.36	pump in well			100.36

TABLE 1

2008 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
DENTON STATION
LEA COUNTY, NM
NMOCD REFERENCE #1R-0234

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	*12/11/08*	100.36	59.46	62.93	3.47	40.38
MW - 5	12/16/08	100.36	59.41	62.84	3.43	40.44
MW - 5	12/30/08	100.36	60.07	60.39	0.32	40.24
MW - 6	*03/07/08*	101.86	-	61.31	0.00	40.55
MW - 6	*06/04/08*	101.86	-	61.38	0.00	40.48
MW - 6	*09/16/08*	101.86	-	61.50	0.00	40.36
MW - 6	*12/11/08*	101.86	-	61.63	0.00	40.23
MW - 7	*03/07/08*	101.92	58.12	61.51	3.39	43.29
MW - 7	03/11/08	101.92	58.12	61.51	3.39	43.29
MW - 7	*06/04/08*	101.92	58.68	59.00	0.32	43.19
MW - 7	*09/16/08*	101.92	58.25	61.58	3.33	43.17
MW - 7	09/30/08	101.92	pump in well			-
MW - 7	10/24/08	101.92	pump in well			-
MW - 7	10/27/08	101.92	pump in well			-
MW - 7	11/10/08	101.92	pump in well			-
MW - 7	11/17/08	101.92	pump in well			-
MW - 7	*12/11/08*	101.92	59.00	59.12	0.12	42.90
MW - 8	*03/07/08*	101.92	-	60.48	0.00	41.44
MW - 8	*06/04/08*	101.92	-	60.58	0.00	41.34
MW - 8	*09/16/08*	101.92	-	60.71	0.00	41.21
MW - 8	*12/11/08*	101.92	-	60.83	0.00	41.09
MW - 9	*03/07/08*	100.22	-	59.50	0.00	40.72
MW - 9	*06/04/08*	100.22	-	59.60	0.00	40.62
MW - 9	*09/16/08*	100.22	-	59.72	0.00	40.50
MW - 9	*12/11/08*	100.22	-	59.83	0.00	40.39
MW - 10	*03/07/08*	98.28	-	57.75	0.00	40.53
MW - 10	*06/04/08*	98.28	-	57.81	0.00	40.47
MW - 10	*09/16/08*	98.28	-	57.94	0.00	40.34
MW - 10	*12/11/08*	98.28	-	58.06	0.00	40.22
MW - 11	*03/07/08*	99.45	-	59.35	0.00	40.10
MW - 11	*06/04/08*	99.45	-	59.41	0.00	40.04
MW - 11	*09/16/08*	99.45	-	59.56	0.00	39.89
MW - 11	*12/11/08*	99.45	-	59.63	0.00	39.82
MW - 12	*03/07/08*	96.84	-	56.98	0.00	39.86
MW - 12	*06/04/08*	96.84	-	57.06	0.00	39.78
MW - 12	*09/16/08*	96.84	-	57.20	0.00	39.64
MW - 12	*12/11/08*	96.84	-	57.32	0.00	39.52

TABLE 1

2008 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
DENTON STATION
LEA COUNTY, NM
NMOCD REFERENCE #1R-0234

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 13	*03/07/08*	97.17	-	57.34	0.00	39.83
MW - 13	*06/04/08*	97.17	-	57.56	0.00	39.61
MW - 13	*09/16/08*	97.17	-	57.60	0.00	39.57
MW - 13	*12/11/08*	97.17	-	57.69	0.00	39.48
MW - 14	*03/07/08*	97.25	-	57.71	0.00	39.54
MW - 14	*06/04/08*	97.25	-	57.81	0.00	39.44
MW - 14	*09/16/08*	97.25	-	57.93	0.00	39.32
MW - 14	*12/11/08*	97.25	-	58.04	0.00	39.21
MW - 15	*03/07/08*	98.14	-	59.42	0.00	38.72
MW - 15	*06/04/08*	98.14	-	59.52	0.00	38.62
MW - 15	*09/16/08*	98.14	-	59.65	0.00	38.49
MW - 15	*12/11/08*	98.14	-	59.77	0.00	38.37
MW - 16	*03/07/08*	96.04	-	56.68	0.00	39.36
MW - 16	*06/04/08*	96.04	-	56.75	0.00	39.29
MW - 16	*09/16/08*	96.04	-	56.89	0.00	39.15
MW - 16	*12/11/08*	96.04	-	57.02	0.00	39.02
MW - 17	*03/07/08*	-	59.19	64.41	5.22	
MW - 17	03/11/08	-	59.19	64.41	5.22	
MW - 17	*06/04/08*	-	59.40	64.60	5.20	
MW - 17	*09/16/08*	-	59.35	64.86	5.51	
MW - 17	09/30/08	-	pump in well			
MW - 17	10/06/08	-	pump in well			
MW - 17	10/24/08	-	pump in well			
MW - 17	10/27/08	-	pump in well			
MW - 17	11/10/08	-	pump in well			
MW - 17	11/17/08	-	pump in well			
MW - 17	*12/11/08*	-	59.51	64.98	5.47	
MW - 17	12/16/08	-	59.66	63.91	4.25	
MW - 17	12/30/08	-	59.90	62.50	2.60	
WW - 1	*03/07/08*	100.16	60.27	60.94	0.67	39.79
WW - 1	*06/04/08*	100.16	60.37	60.83	0.46	39.72
WW - 1	*09/16/08*	100.16	60.43	61.38	0.95	39.59
WW - 1	10/06/08	100.16	pump in well			100.16
WW - 1	*12/11/08*	100.16	60.46	61.70	1.24	39.51

Elevations based on the North American Vertical Datum of 1929

** Complete Historical Tables presented on the attached CD.*

TABLE 2

2008 - CONCENTRATIONS OF BTEX AND TPH IN GROUNDWATER

PLAINS MARKETING, L.P.
DENTON STATION
LEA COUNTY, NM
NMOCD REFERENCE #1R-0234

All concentrations are reported in mg/L

		EPA SW 846-8015M		METHODS: SW 846-8260b				
SAMPLE LOCATION	SAMPLE DATE	GRO C6-C12 mg/L	DRO C12-C35 mg/L	BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Limit				**0.01**	**0.75**	**0.75**	**0.62**	
MW - 1	03/07/08			Not Sampled Due to PSH in Well				
MW - 1	06/04/08			Not Sampled Due to PSH in Well				
MW - 1	09/16/08			Not Sampled Due to PSH in Well				
MW - 1	12/11/08			**0.890**	<0.01	0.195	0.240	
MW - 2	03/07/08			<0.001	<0.001	<0.001	<0.001	
MW - 2	06/04/08			<0.001	<0.001	<0.001	<0.001	
MW - 2	09/16/08			<0.001	<0.001	<0.001	<0.001	
MW - 2	12/11/08			<0.001	<0.001	<0.001	<0.001	
MW - 3	03/07/08			Not Sampled Due to PSH in Well				
MW - 3	06/04/08			Not Sampled Due to PSH in Well				
MW - 3	09/16/08			Not Sampled Due to PSH in Well				
MW - 3	12/11/08			Not Sampled Due to Insufficient Water in Well				
MW - 4	03/07/08			Not Sampled Due to PSH in Well				
MW - 4	06/04/08			Not Sampled Due to PSH in Well				
MW - 4	09/16/08			Not Sampled Due to PSH in Well				
MW - 4	12/11/08			**0.270**	<0.01	<0.01	<0.010	
MW - 5	03/07/08			Not Sampled Due to PSH in Well				
MW - 5	06/04/08			Not Sampled Due to PSH in Well				
MW - 5	09/16/08			Not Sampled Due to PSH in Well				
MW - 5	12/11/08	31.30	117.00	**0.560**	**0.785**	0.547	**1.810**	
MW - 6	03/07/08			**0.0997**	<0.001	0.0207	0.0065	
MW - 6	06/04/08			**0.0425**	<0.001	0.0074	0.0101	
MW - 6	09/16/08			**0.1590**	0.0012	0.0282	0.0090	
MW - 6	12/11/08			**0.0982**	<0.001	0.0147	0.0139	
MW - 7	03/07/08			Not Sampled Due to PSH in Well				
MW - 7	06/04/08			Not Sampled Due to PSH in Well				
MW - 7	09/16/08			Not Sampled Due to PSH in Well				
MW - 7	12/11/08	43.70	116.00	**2.850**	**2.300**	**1.070**	**3.290**	
MW - 8	03/07/08			<0.001	<0.001	<0.001	<0.001	
MW - 8	06/04/08			<0.001	<0.001	<0.001	<0.001	
MW - 8	09/16/08			<0.001	<0.001	<0.001	<0.001	
MW - 8	12/11/08			<0.001	<0.001	<0.001	<0.001	
MW - 9	03/07/08			<0.001	<0.001	<0.001	<0.001	
MW - 9	06/04/08			<0.001	<0.001	<0.001	<0.001	
MW - 9	09/16/08			<0.001	<0.001	<0.001	<0.001	
MW - 9	12/11/08			<0.001	<0.001	<0.001	<0.001	

TABLE 2

2008 - CONCENTRATIONS OF BTEX AND TPH IN GROUNDWATER

PLAINS MARKETING, L.P.
DENTON STATION
LEA COUNTY, NM
NMOCD REFERENCE #1R-0234

All concentrations are reported in mg/L

		EPA SW 846-8015M		METHODS: SW 846-8260b				
SAMPLE LOCATION	**SAMPLE DATE**	**GRO C6-C12 mg/L**	**DRO C12-C35 mg/L**	**BENZENE**	**TOLUENE**	**ETHYL-BENZENE**	**m, p - XYLENES**	**o - XYLENE**
NMOCD Regulatory Limit				**0.01**	**0.75**	**0.75**	**0.62**	
MW - 10	03/07/08			**0.542**	<0.01	0.0477	<0.01	
MW - 10	06/04/08			**0.372**	<0.005	0.0370	0.0085	
MW - 10	09/16/08			**0.702**	<0.005	0.0710	<0.005	
MW - 10	12/11/08			**0.352**	<0.01	0.1100	0.0455	
MW - 11	03/07/08			<0.001	<0.001	<0.001	<0.001	
MW - 11	06/04/08			Not Sampled Due to Damaged Well				
MW - 11	09/16/08			<0.001	<0.001	<0.001	<0.001	
MW - 11	12/11/08			<0.001	<0.001	<0.001	<0.001	
MW - 12	03/07/08			**0.0431**	<0.001	<0.001	<0.001	
MW - 12	06/04/08			**0.2040**	<0.001	<0.001	<0.001	
MW - 12	09/16/08			**0.1220**	<0.001	<0.001	<0.001	
MW - 12	12/11/08			**0.0591**	<0.001	<0.001	<0.001	
MW - 13	03/07/08			<0.001	<0.001	<0.001	<0.001	
MW - 13	06/04/08			<0.001	<0.001	<0.001	<0.001	
MW - 13	09/16/08			<0.001	<0.001	<0.001	<0.001	
MW - 13	12/11/08			<0.001	<0.001	<0.001	<0.001	
MW - 14	03/07/08			<0.001	<0.001	<0.001	<0.001	
MW - 14	06/04/08			<0.001	<0.001	<0.001	<0.001	
MW - 14	09/16/08			<0.001	<0.001	<0.001	<0.001	
MW - 14	12/11/08			<0.001	<0.001	<0.001	<0.001	
MW - 15	03/07/08			<0.001	<0.001	<0.001	<0.001	
MW - 15	06/04/08			<0.001	<0.001	<0.001	<0.001	
MW - 15	09/16/08			<0.001	<0.001	<0.001	<0.001	
MW - 15	12/11/08			<0.001	<0.001	<0.001	<0.001	
MW - 16	03/07/08			<0.001	<0.001	<0.001	<0.001	
MW - 16	06/04/08			<0.005	<0.005	<0.005	<0.005	
MW - 16	09/16/08			<0.001	<0.001	<0.001	<0.001	
MW - 16	12/11/08			<0.001	<0.001	<0.001	<0.001	
MW - 17	03/07/08			Not Sampled Due to PSH in Well				
MW - 17	06/04/08			Not Sampled Due to PSH in Well				
MW - 17	09/16/08			Not Sampled Due to PSH in Well				
MW - 17	12/11/08	23.70	64.60	**2.528**	**1.080**	0.621	**1.780**	
WW - 1	03/07/08			Not Sampled Due to PSH in Well				
WW - 1	06/04/08			Not Sampled Due to PSH in Well				
WW - 1	09/16/08			Not Sampled Due to PSH in Well				
WW - 1	12/11/08	5.09	72.80	**0.233**	0.294	0.148	**0.681**	

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

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER - 2008

PLAINS MARKETING, L.P.
DENTON STATION
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER #1R-0234

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																	
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenanthrene	Pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		—	—	—	**0.0001 mg/L**	**0.0007 mg/L**	**0.0002 mg/L**	—	**0.0002 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	—	—	**0.0004 mg/L**	**0.03 mg/L**	—	—	**0.03 mg/L**		—
MW-1	12/11/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0589	<0.000922	**0.135**	0.0849	<0.000922	**0.397**	**0.529**	0.024
MW-2	12/11/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-3	12/11/08	INSUFFICIENT WATER VOLUME TO SAMPLE																		
MW-4	12/11/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.00202	<0.000185	**0.00565**	0.001	<0.000185	**0.00523**	**0.00331**	0.00141
MW-5	12/11/08	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	0.0758	<0.000917	**0.376**	0.115	<0.000917	**0.949**	**1.26**	0.041
MW-6	12/11/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00226	<0.000184	0.00187	0.0006	<0.000184	0.00275	0.00193	0.00128
MW-7	12/11/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.0218	<0.000183	**0.147**	0.0367	<0.000183	**0.265**	**0.339**	0.0153
MW-8	12/11/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-9	12/11/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER - 2008

PLAINS MARKETING, L.P.
DENTON STATION
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER #1R-0234

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																	
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenanthrene	Pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		—	—	—	**0.0001 mg/L**	**0.0007 mg/L**	**0.0002 mg/L**	—	**0.0002 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	—	—	**0.0004 mg/L**	**0.03 mg/L**	—	—	**0.03 mg/L**		—
MW-10	12/11/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000652	<0.000184	0.000526	<0.000184	<0.000184	0.00118	0.000314	0.000623
MW-11	12/11/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-12	12/11/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-13	12/11/08	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187
MW-14	12/11/08	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186
MW-15	12/11/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-16	12/11/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-17	12/11/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0694	<0.000922	0.398	0.113	<0.000922	0.888	1.24	0.0437
WW-1	12/11/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0757	<0.000922	**0.382**	0.122	<0.000922	**0.934**	**1.38**	0.027

APPENDICES

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

NMOCD C-141 FORM UNAVAILABLE