

AP - 007

ANNUAL MONITORING REPORT

YEAR(S):
2004



2004
ANNUAL MONITORING REPORT

AP-7

DARR ANGELL 2
SW ¼, SE ¼ SECTION 11, TOWNSHIP 15 SOUTH, RANGE 37 EAST
NW ¼, NE ¼ SECTION 14, TOWNSHIP 15 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS MARKETING, L.P. EMS NUMBER: LF-1999-62

Prepared For:

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



Prepared By:

NOVA Safety and Environmental
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April, 2005


Rebecca Haskell
Project Manager



for: Todd K. Choban
Vice-President Technical Services

TABLE OF CONTENTS

INTRODUCTION.....	1
SITE DESCRIPTION AND BACKGROUND INFORMATION.....	1
FIELD ACTIVITIES.....	1
LABORATORY RESULTS.....	2
SUMMARY.....	3
ANTICIPATED ACTIONS.....	4
LIMITATIONS.....	4
DISTRIBUTION.....	5

FIGURES

Figure 1 – Site Location Map

Figure 2A – Inferred Groundwater Gradient Map March 02, 2004

2B – Inferred Groundwater Gradient Map June 02, 2004

2C – Inferred Groundwater Gradient Map September 02, 2004

2D – Inferred Groundwater Gradient Map December 11, 2004

Figure 3A – Groundwater Concentration and Inferred PSH Extent Map March 02, 2004

3B – Groundwater Concentration and Inferred PSH Extent Map June 02, 2004

3C – Groundwater Concentration and Inferred PSH Extent Map September 02, 2004

3D – Groundwater Concentration and Inferred PSH Extent Map December 11, 2004

TABLES

Table 1 – Groundwater Elevation Data

Table 2 – Concentrations of BTEX in Groundwater

APPENDICES

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

ENCLOSED ON CD

2004 Annual Monitoring Report

2004 Tables 1 and 2 – Groundwater Elevation and BTEX Concentration Data

2004 Figures 1, 2A-2D, and 3A-3D

Electronic Copies of Laboratory Reports

Historic Table 1 and 2 – Groundwater Elevation and BTEX Concentration Table

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 Darr Angel #2 release 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 2004 only. For reference, the Site Location Map is provided as Figure 1. Cumulative tables and laboratory data are provided on the attached compact disk.

Groundwater monitoring was conducted during four (4) quarterly events in calendar year 2004 to assess the levels and extent of dissolved phase and Phase-Separated Hydrocarbon (PSH) constituents. 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 site is located approximately 11.2 miles east of the town of Lovington, New Mexico near State Highway 82 in the SW $\frac{1}{4}$ of the SE $\frac{1}{4}$ Section 11, Township 15 South, Range 37 East and the NW $\frac{1}{4}$ of the NE $\frac{1}{4}$ Section 14, Township 15 South, Range 37 East. The on-site crude oil release was attributed to structural failure due to external corrosion on the 8-inch steel pipeline currently operated by Plains Marketing, L.P. The release was reported to the New Mexico Oil Conservation Division (NMOCD) on July 29, 1999.

Currently there are ten monitor wells (MW-1 through MW-10) and seven recovery wells (RW-1 and RW-7) onsite. An automated product recovery system is operating onsite incorporating one monitor well (MW-2) and six recovery wells (RW-1, RW-3, RW-4, RW-5, RW-6 and RW-7). Manual product recovery has also been conducted at recovery wells RW-1, RW-3, RW-4, RW-5, RW-6, and RW-7 during the 2004 calendar year.

FIELD ACTIVITIES

Quarterly monitoring events for the reporting period were performed according to the following reduced sampling schedule, which was approved by the NMOCD in correspondence dated April 28, 2004:

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

The site monitor wells were gauged and sampled on March 02, June 02, September 02, and December 11, 2004. During each sampling event the monitor wells were purged of approximately 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 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 2004 is provided as Table 1. Historic groundwater elevation data beginning at project inception is enclosed on the attached data disk.

The most recent Groundwater Gradient map, Figure 2D, indicates a general gradient of approximately 0.002 ft./ft. to the southeast. This is consistent with data presented on Figures 2A through 2C from the earlier quarters. The corrected groundwater elevations ranged between 3724.87 to 3734.71 feet above mean sea level, in RW-7 on August 05, 2004 and in RW-5 on December 30, 2004, respectively.

A measurable thickness of PSH was measured in eight (8) monitor wells and recovery wells during the reporting period. The average thickness of PSH in monitor wells and recovery wells during the first, second, third and fourth quarters of 2004 were 5.80 feet, 5.10 feet, 7.10 feet, and 7.30 feet, respectively. The maximum thickness of PSH in monitor wells and recovery wells during the first, second, third and fourth quarters of 2004 were 9.63 feet, 9.63 feet, 8.99 feet, and 7.30 feet, respectively. PSH data for the 2004 gauging events can be found in Table 1. Approximately 5,871 gallons of PSH have been recovered from the site utilizing manual recovery methods and an automated recovery system since project inception. During this reporting period, approximately 800 gallons of PSH were recovered from the site. Recovered PSH was reintroduced into the Plains transportation system at the Lea Station Facility, Monument, New Mexico.

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. The 2004 BTEX constituent concentrations are summarized on Table 2. Historical BTEX constituent concentrations and copies of the laboratory reports for 2004 are provided on the attached data 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 benzene and BTEX concentrations were below NMOCD regulatory standards in nine (9) monitor wells. Eight (8) monitor wells and recovery wells contained measurable thicknesses of PSH during the annual monitoring period and were not sampled for at least one quarterly sampling event.

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 10 groundwater monitor wells (MW-1 through MW-10) and seven (7) product recovery wells (RW-1 through RW-7) on-site. Manual product recovery occurs on a weekly schedule. Groundwater elevation contours generated from water level measurements acquired during the most recent quarter indicated a general gradient of approximately 0.002 ft/ft to the southeast.

As discussed above, nine (9) monitor wells and recovery wells contained measurable PSH thicknesses in 2004. Approximately 800 gallons of PSH was recovered from the site during the 2004 reporting period. A total of approximately 5,871 gallons of PSH has been recovered since the start of product inception. The average thickness of PSH in monitor wells and recovery wells during the first, second, third and fourth quarters of 2004 were 5.80 feet, 5.10 feet, 7.10 feet, and 7.30 feet, respectively. Throughout 2004 PSH amounts have fluctuated at the site with no obvious increases or decreases.

Review of laboratory analytical results of the groundwater samples obtained during the 2004 monitoring period indicate that benzene and BTEX concentrations were below NMOCD regulatory standards in nine (9) monitor wells (MW-1, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9 and MW-10). Eight (8) monitor wells and recovery wells contained measurable thicknesses of PSH during the annual monitoring period and were not sampled for at least one quarterly sampling event.

The Release Notification and Corrective Action Form (C-141) is provided as Appendix A.

ANTICIPATED ACTIONS

Plains is requesting permission from the NMOCD to plug and abandon monitor well MW-5 due to the following conditions.

- Up gradient control along the northern perimeter of the leak zone is provided by MW-1, MW-6, and MW-9.
- MW-5 has not displayed concentrations of dissolved phase impact above the NMOCD Regulatory Limit in twelve (12) consecutive quarters since 2001.

Quarterly monitoring and sampling will continue in 2005. Manual product recovery and gauging will continue on a weekly schedule and will be adjusted according to site conditions. The recovery system will be monitored and adjusted by adding or relocating pumps to maximize efficiency in product removal and gradient control.

A plan will be developed to address the impacted and/or excavated soil remaining on site. Any soil proposals will be addressed under separate cover from this report.

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

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New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
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Hobbs, NM 88240

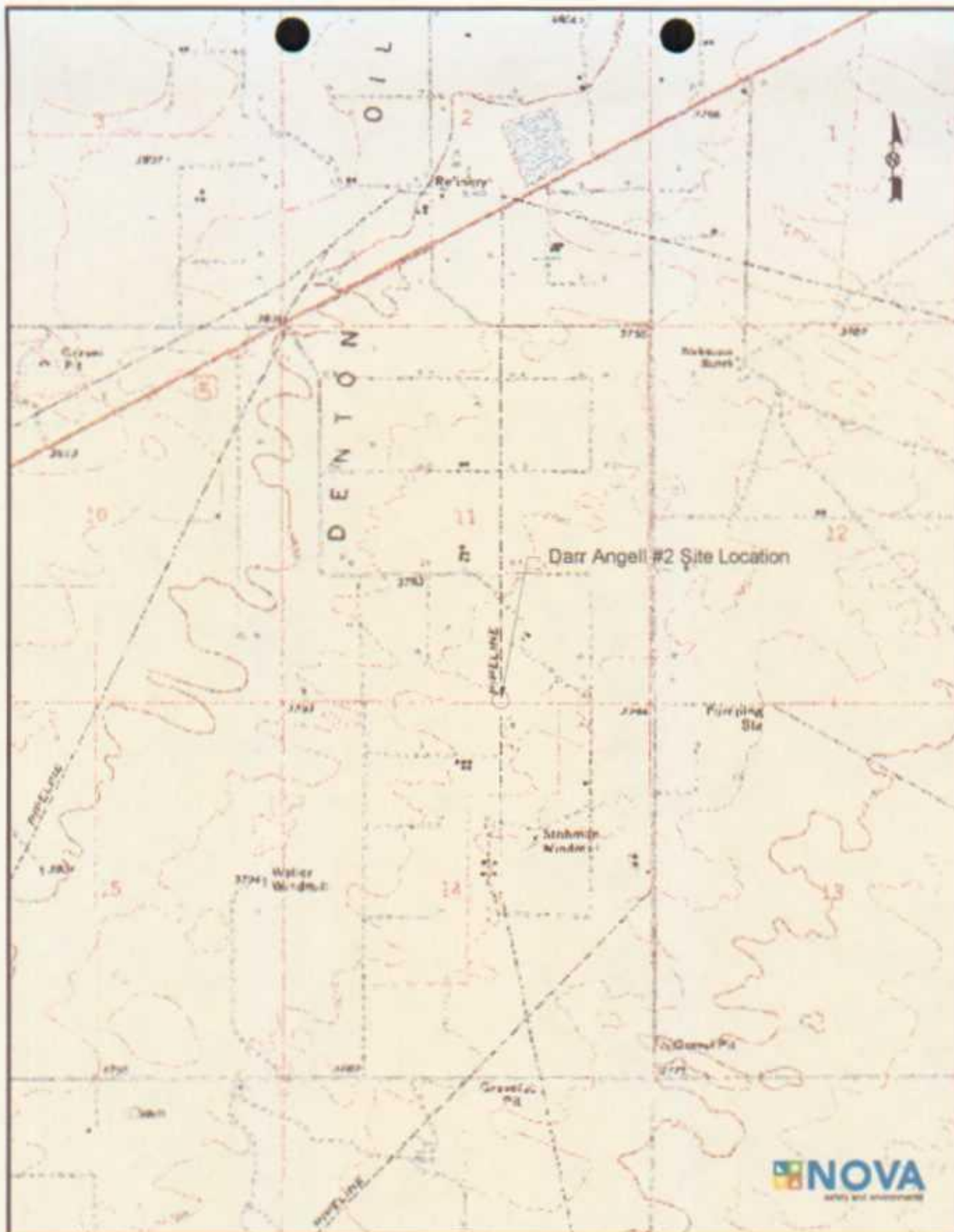
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Figures



Site Location

33° 01' 47.0" N 103° 10' 10.5" W

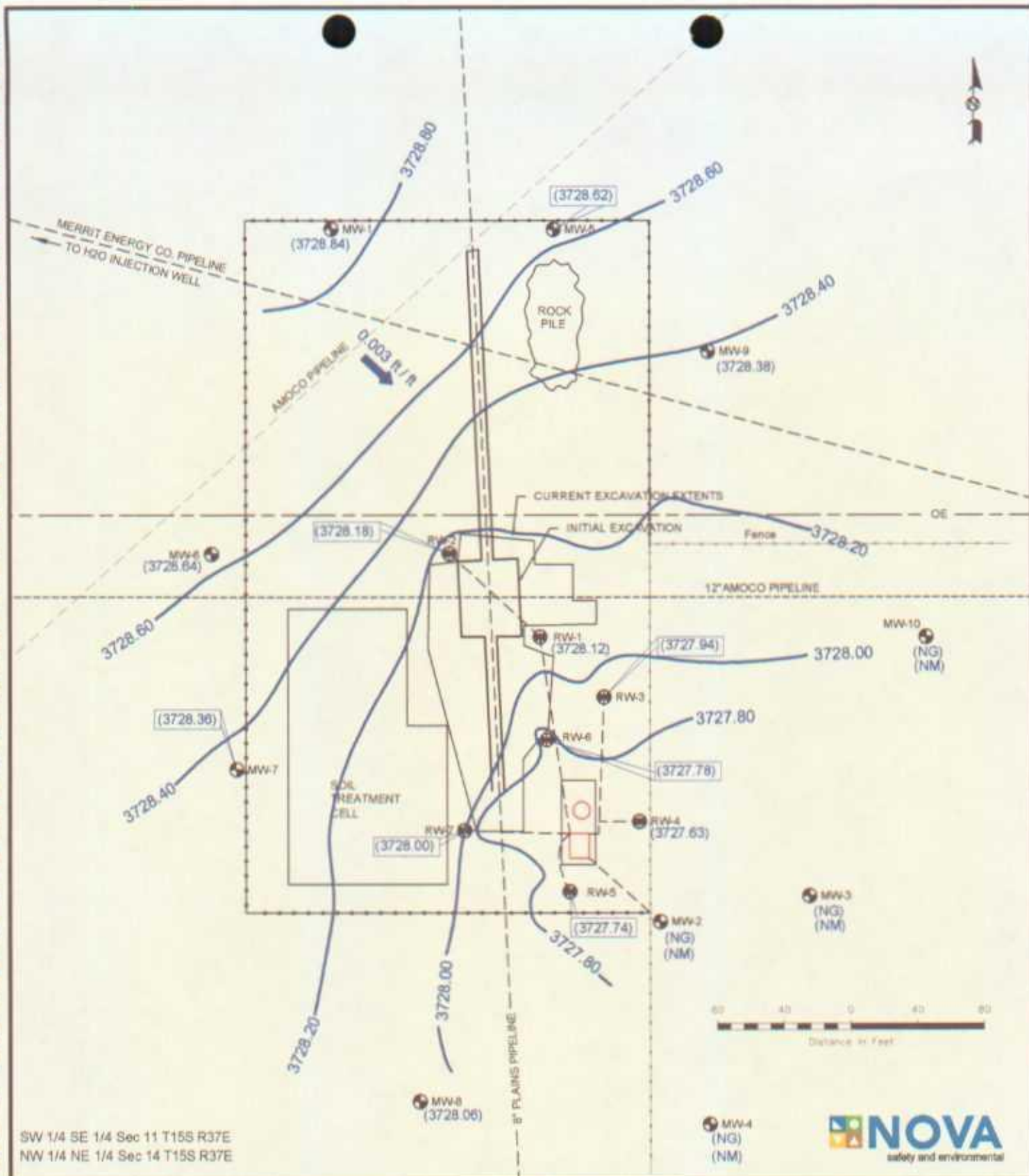
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NW 1/4 of NE 1/4 of Sec 14 T15S R37E

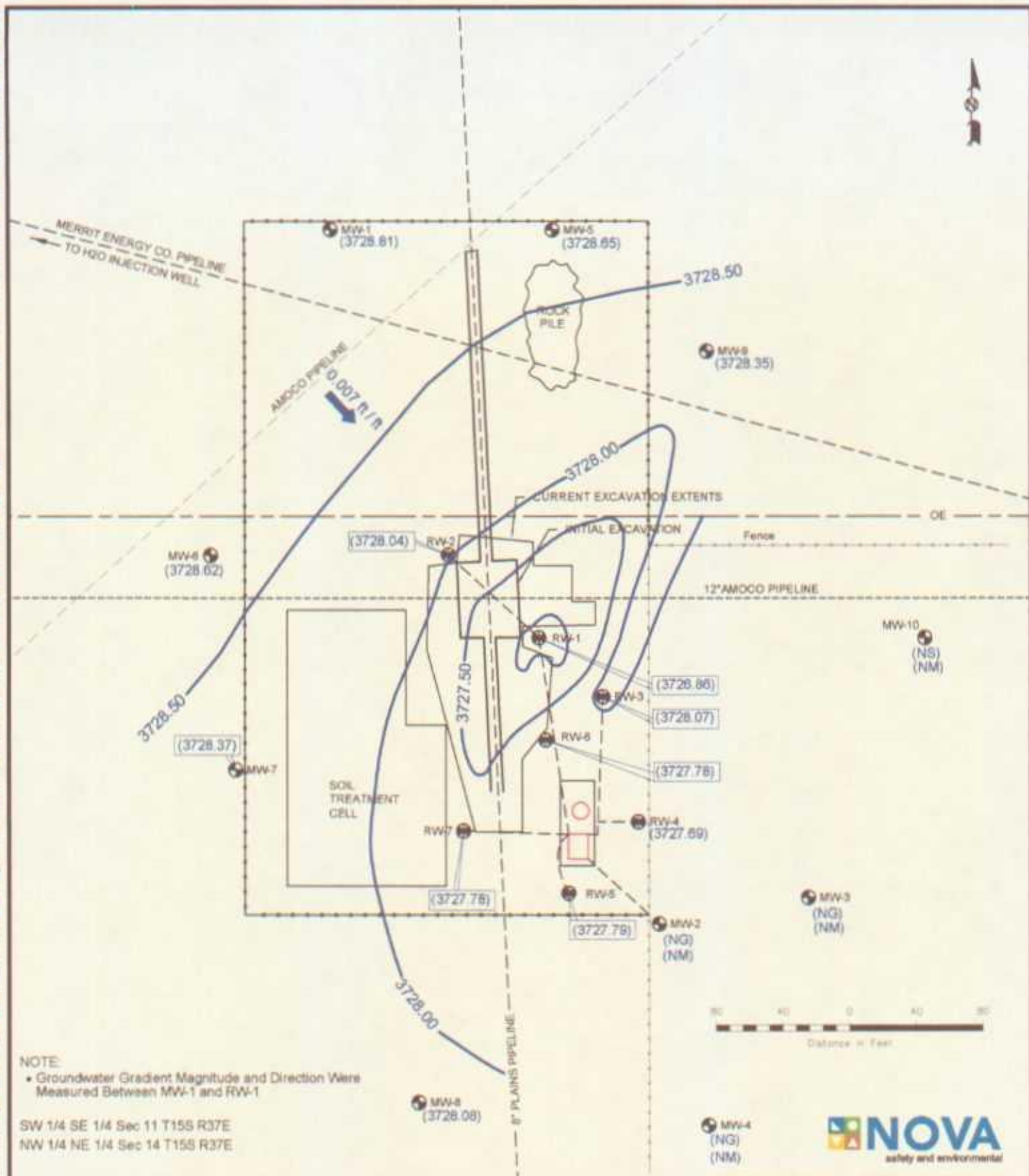
Figure 1 Site Location Map

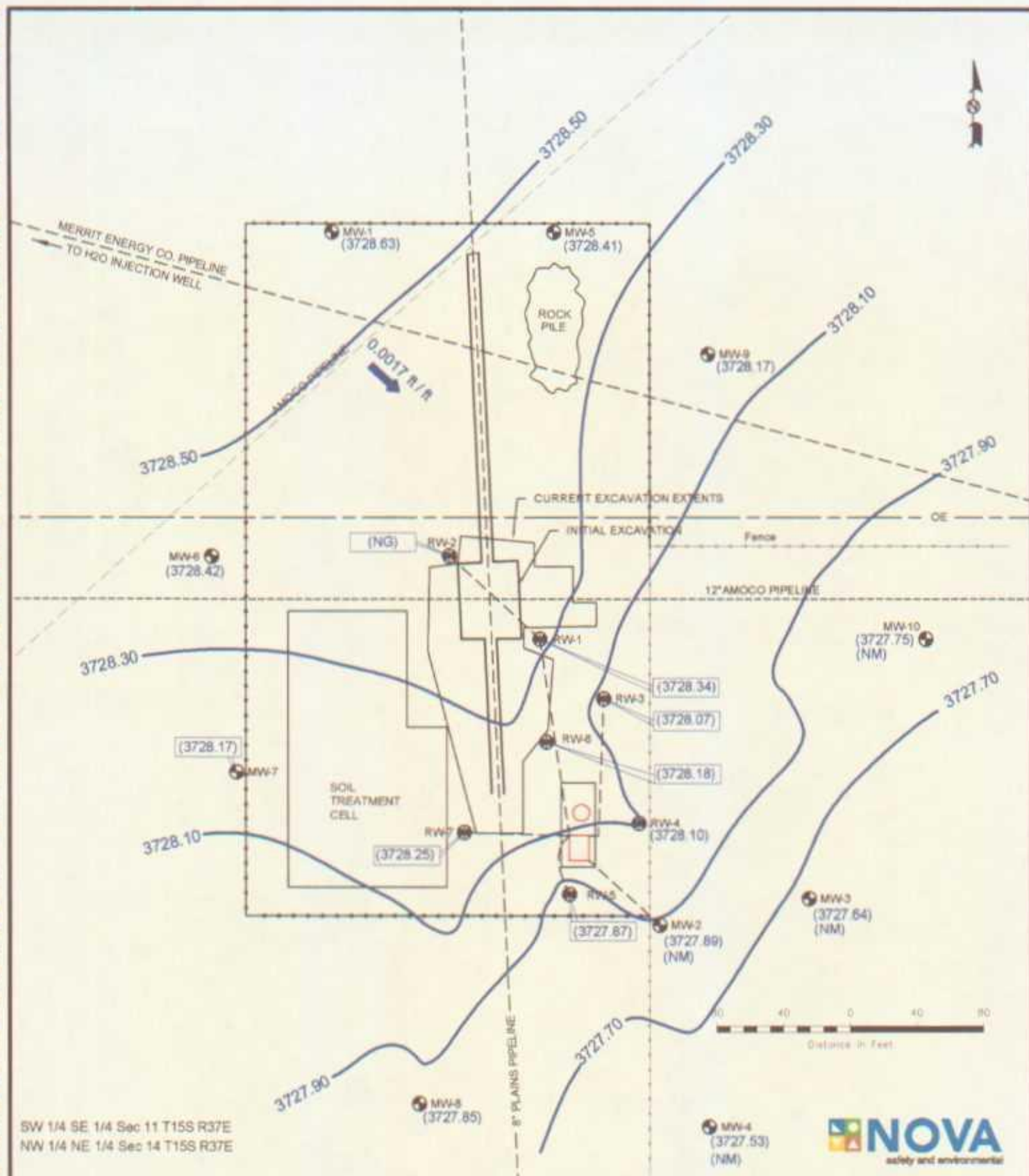
Plains Marketing, L.P.
Darr Angell # 2
Lea County, NM

NOVA Safety and Environmental

Scale 1"=2000'	Prep By CDE	Checked By TNC
February 20, 2005		







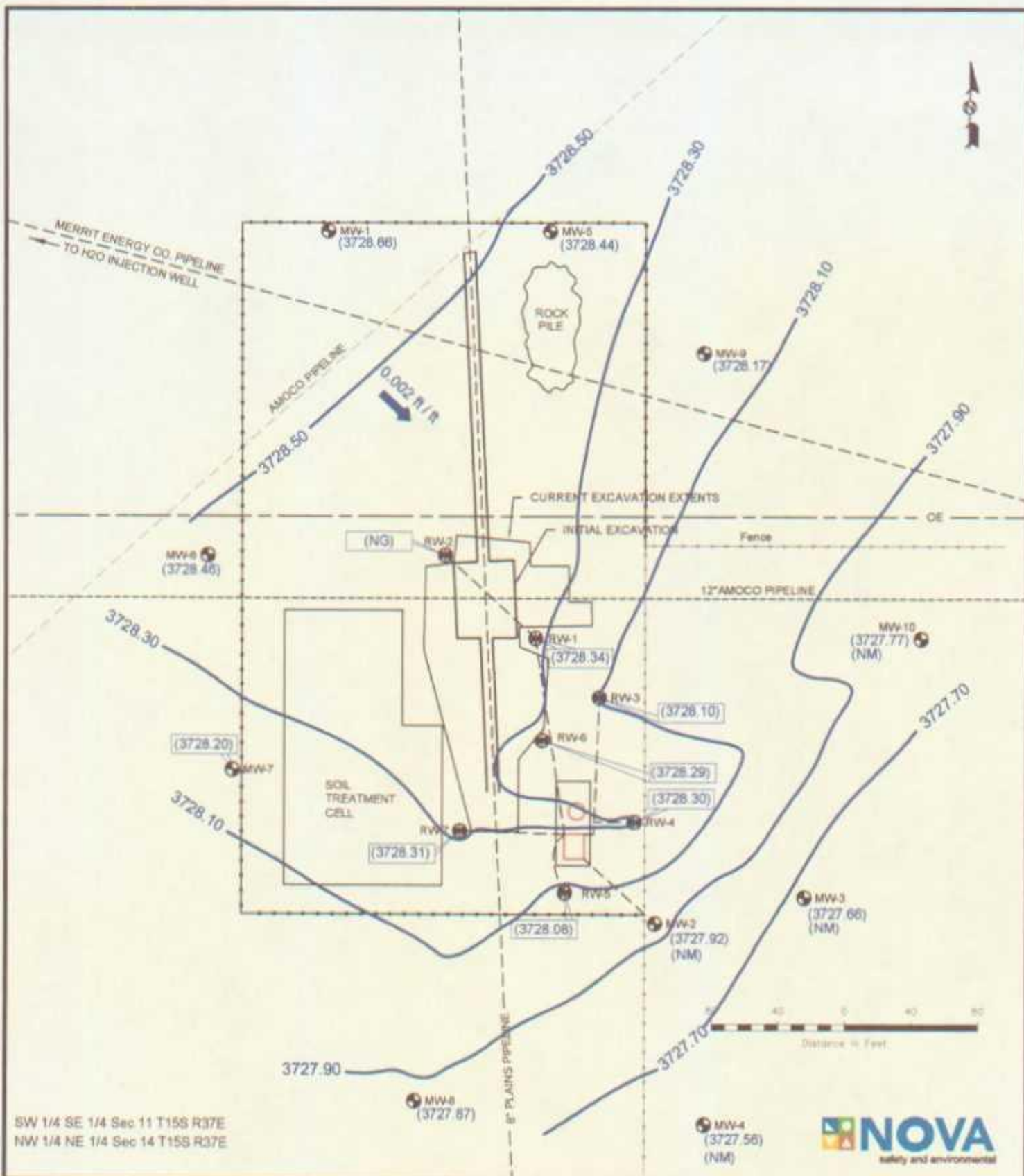
LEGEND:

- Monitor Well Location
- Recovery Well Location
- Groundwater Elevation (in Feet)
- Groundwater Gradient Contour Line
- Groundwater Gradient Direction and Magnitude



- Excavation
- Bermed Containment Area
- NM Access Denied By Landowner

Lat: 33° 01' 47" (N) Lon: 103° 10' 10" (W)

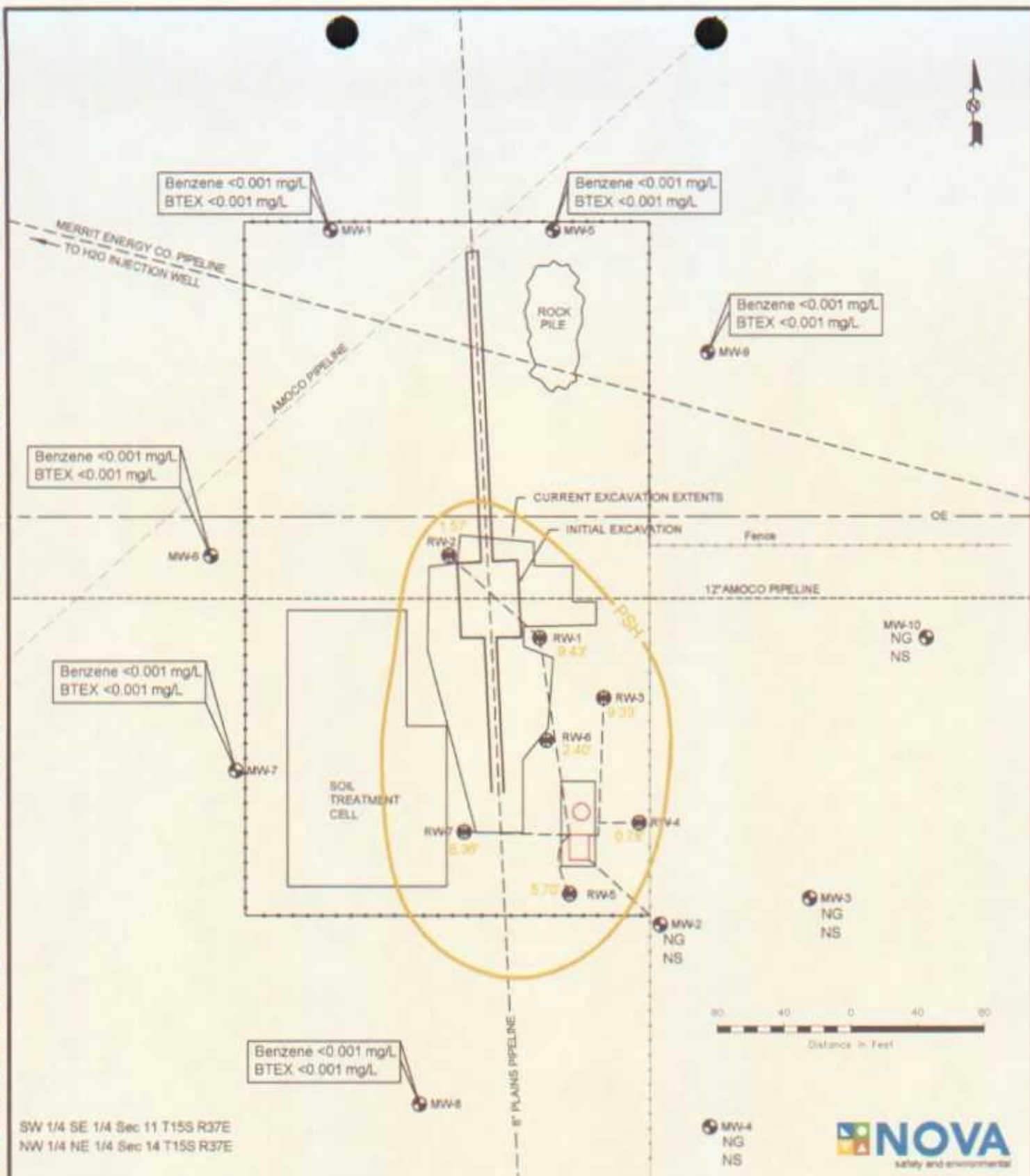


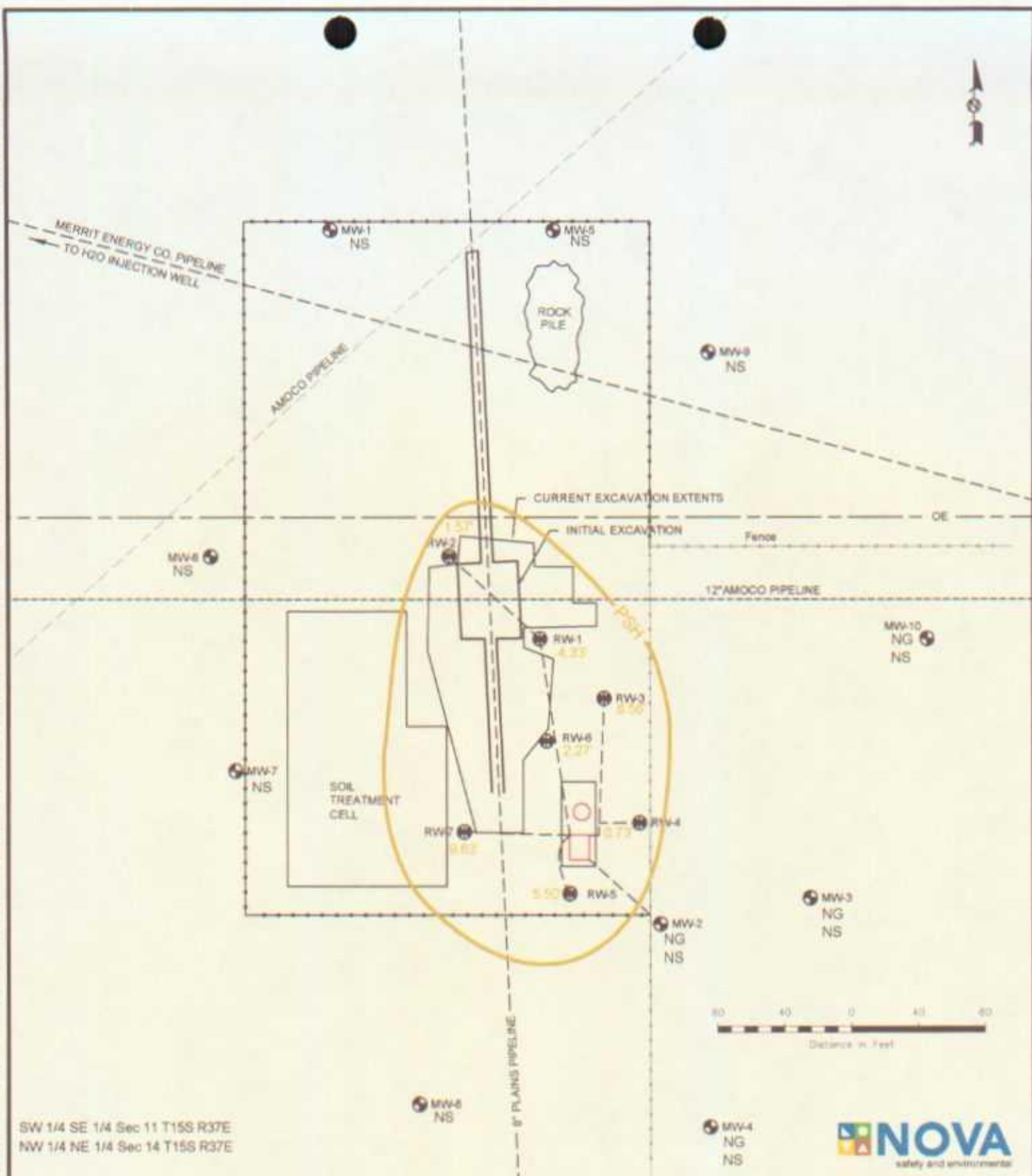
LEGEND

- Monitor Well Location
- Recovery Well Location
- (3728.44) Groundwater Elevation (in Feet)
- Groundwater Gradient Contour Line
- Groundwater Gradient Direction and Magnitude

- Excavation
- Banned Containment Area
- Access Denied By Landowner

Lat: 33° 01' 47.0" N Lon: 103° 10' 10.5" W





LEGEND:

- Monitor Well Location
- Recovery Well Location
- Inferred PSH Extent



- Excavation
- Bermed Containment Area

- NO Not Gauged
- NS Not Sampled

Note: PSH Thickness in Feet

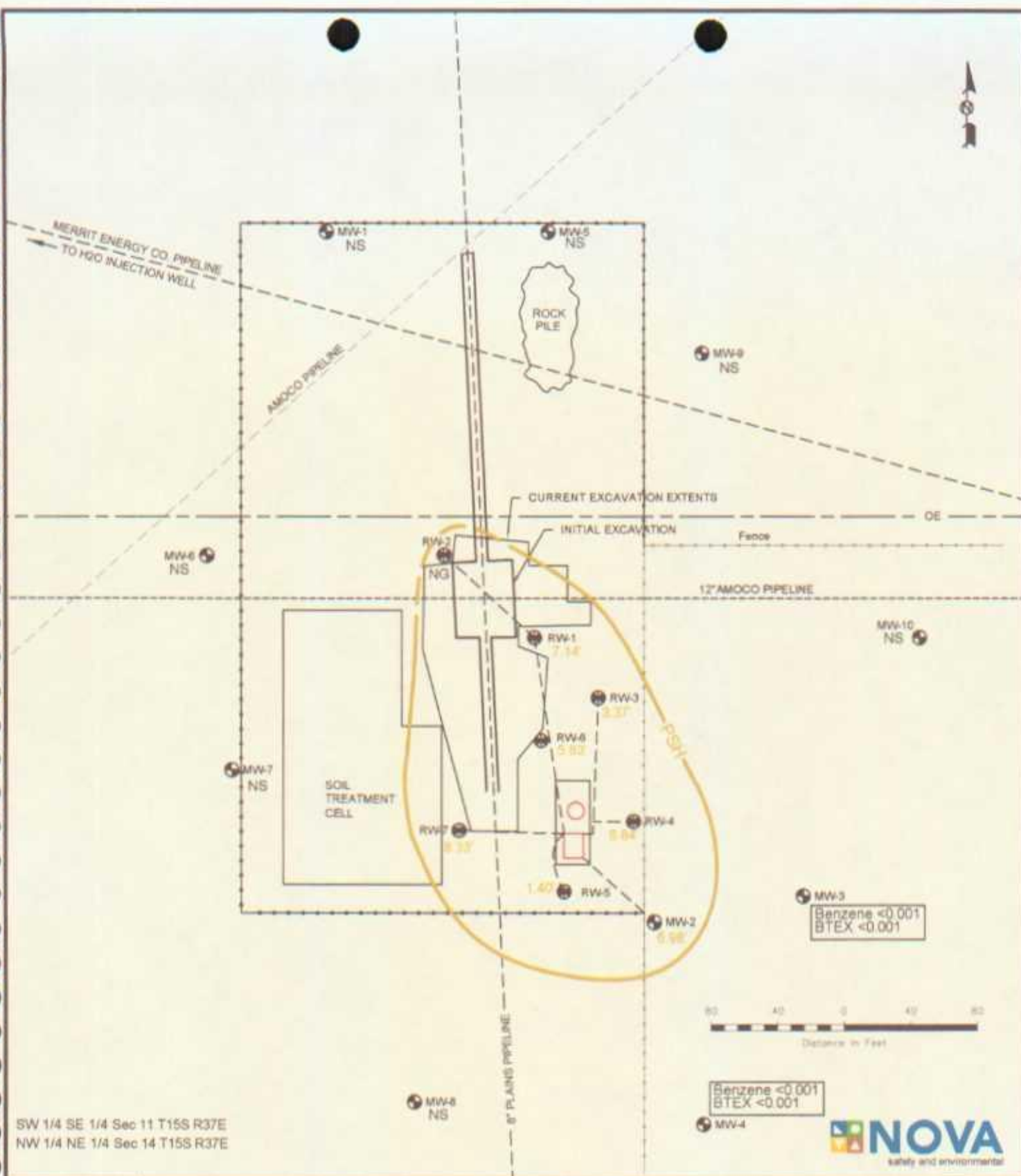
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Figure 3B
Groundwater Concentration
and Inferred PSH Extent
Map (6/2/04)

Plains Marketing, L.P.
Darr Angel # 2
Lea County, NM

NOVA Safety and Environmental

Scale: 1"=80' Prep By: CPM Checked By: LDH
February 17, 2005



SW 1/4 SE 1/4 Sec 11 T15S R37E
 NW 1/4 NE 1/4 Sec 14 T15S R37E

LEGEND:	
	Monitor Well Location
	Recovery Well Location
	Inferred PSH Extent
	Excavation
	Banned Containment Area
NG	Not Gauged
NS	Not Sampled

Note: PSH Thickness in Feet

Figure 3C
 Groundwater Concentration
 and Inferred PSH Extent Map
 (9/2/04)
 Plains Marketing, L.P.
 Darr Angell # 2
 Lea County, NM

NOVA Safety and Environmental

Scale: 1"=60'	Prep By: CPM	Checked By: LDH
March 25, 2005		

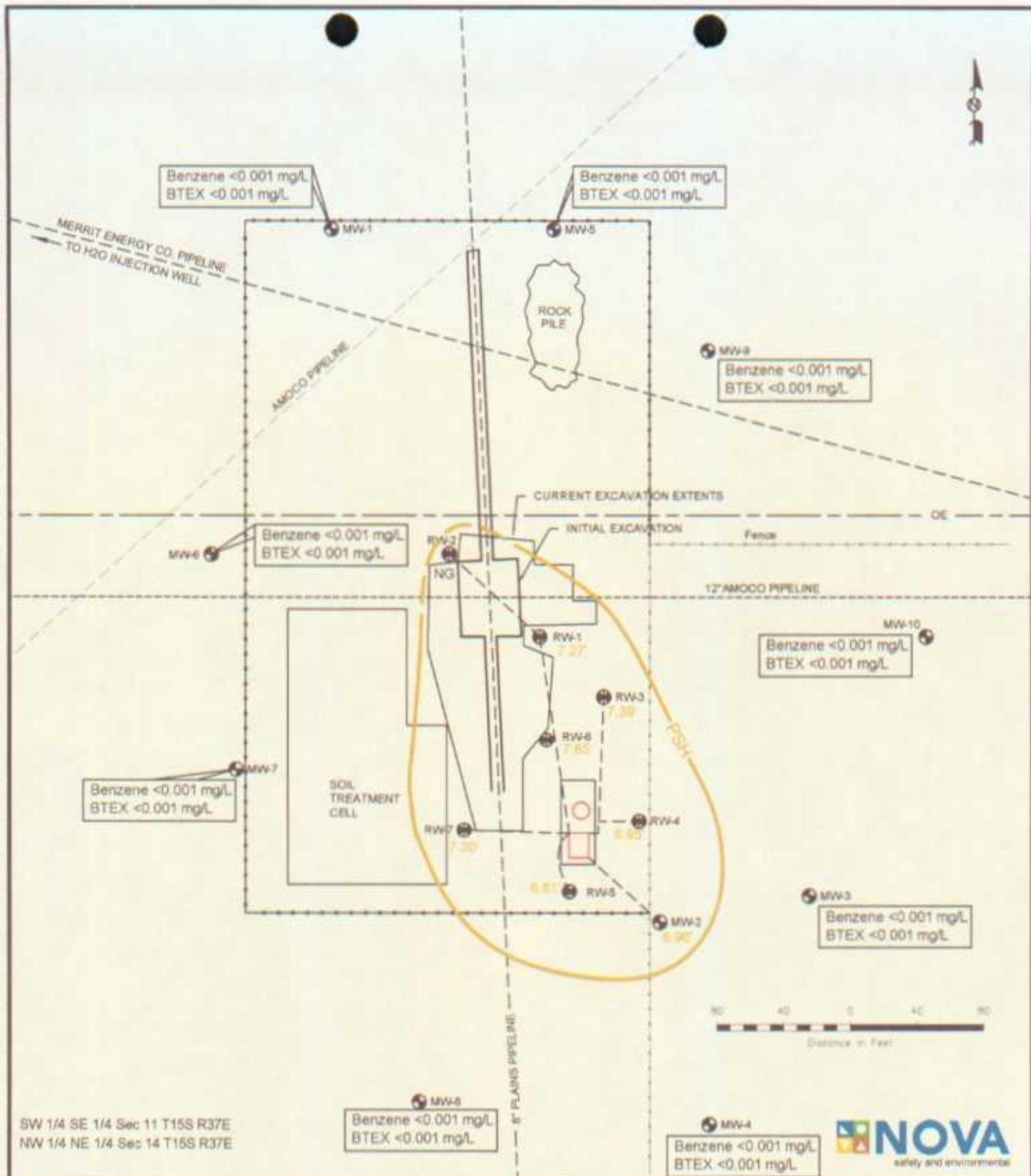


Figure 3D
Groundwater Concentration and Inferred PSH Extent Map (12/11/04)

Plains Marketing, L.P.
Darr Angell # 2
Lea County, NM

NOVA Safety and Environmental

Scale: 1"=50' Prep By: DPM CDS
February 21, 2005

Tables

TABLE 1
GROUNDWATER ELEVATION DATA
FOR 2004

PLAINS MARKETING, LP
DARR ANGELL 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	03/02/04	3,788.04	-	59.20	0.00	3728.84
	06/02/04	3,788.04	-	59.23	0.00	3728.81
	08/03/04	3,788.04	-	59.37	0.00	3728.67
	09/02/04	3,788.04	-	59.41	0.00	3728.63
	12/11/04	3,788.04	-	59.38	0.00	3728.66
MW-2	03/02/04	3,788.41	No Access to well			
	09/02/03	3,788.41	58.49	60.38	1.89	3729.64
	06/02/04	3,788.41	No Access to well			
	09/02/04	3,788.41	59.47	66.45	6.98	3727.89
	09/14/04	3,788.41	59.45	66.55	7.10	3727.90
	09/23/04	3,788.41	59.50	66.35	6.85	3727.88
	11/13/04	3,788.41	59.40	66.10	6.70	3728.01
	12/11/04	3,788.41	59.44	66.40	6.96	3727.93
	12/17/04	3,788.41	59.64	66.35	6.71	3727.76
	12/30/04	3,788.41	59.53	66.53	7.00	3727.83
MW - 3	03/02/04	3,787.94	No Access to well			
	06/02/04	3,787.94	No Access to well			
	09/02/04	3,787.94	-	60.30	0.00	3727.64
	12/11/04	3,787.94	-	60.28	0.00	3727.66
MW - 4	03/02/04	3,787.76	No Access to well			
	06/02/04	3,787.76	No Access to well			
	09/02/04	3,787.76	-	60.23	0.00	3727.53
	12/11/04	3,787.76	-	60.20	0.00	3727.56
MW - 5	03/02/04	3,787.73	-	59.11	0.00	3728.62
	06/02/04	3,787.73	-	59.08	0.00	3728.65
	08/03/04	3,787.73	-	59.28	0.00	3728.45
	09/02/04	3,787.73	-	59.32	0.00	3728.41
	12/11/04	3,787.73	-	59.29	0.00	3728.44
MW-6	03/02/04	3,788.31	-	59.67	0.00	3728.64
	06/02/04	3,788.31	-	59.69	0.00	3728.62
	08/03/04	3,788.31	-	59.82	0.00	3728.49
	09/02/04	3,788.31	-	59.89	0.00	3728.42
	12/11/04	3,788.31	-	59.85	0.00	3728.46
MW-7	03/02/04	3,788.65	-	60.29	0.00	3728.36
	06/02/04	3,788.65	-	60.28	0.00	3728.37
	08/03/04	3,788.65	-	60.43	0.00	3728.22
	09/02/04	3,788.65	-	60.48	0.00	3728.17
	12/11/04	3,788.65	-	60.45	0.00	3728.20
MW-8	03/02/04	3,787.60	-	59.54	0.00	3728.06
	06/02/04	3,787.60	-	59.52	0.00	3728.08
	08/03/04	3,787.60	-	59.71	0.00	3727.89

TABLE 1
GROUNDWATER ELEVATION DATA
FOR 2004

PLAINS MARKETING, LP
DARR ANGELL 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	09/02/04	3,787.60	-	59.75	0.00	3727.85
	12/11/04	3,787.60	-	59.73	0.00	3727.87
MW-9	03/02/04	3,787.27	-	58.89	0.00	3728.38
	06/02/04	3,787.27	-	58.92	0.00	3728.35
	08/03/04	3,787.27	-	59.07	0.00	3728.20
	09/02/04	3,787.27	-	59.10	0.00	3728.17
	12/11/04	3,787.27	-	59.10	0.00	3728.17
MW - 10	06/02/04	3,787.50	No Access to well			
	03/02/04	3,787.50	No Access to well			
	09/02/04	3,787.50	-	59.75	0.00	3727.75
	12/11/04	3,787.50	-	59.73	0.00	3727.77
RW - 1	01/08/04	3,787.45	57.97	66.27	8.30	3728.24
	01/21/04	3,787.45	57.96	67.10	9.14	3728.12
	02/17/04	3,787.45	57.91	66.82	8.91	3728.20
	03/02/04	3,787.45	57.92	67.35	9.43	3728.12
	03/18/04	3,787.45	58.01	67.09	9.08	3728.08
	04/08/04	3,787.45	57.58	66.40	8.82	3728.55
	04/12/04	3,787.45	57.57	66.79	9.22	3728.50
	04/19/04	3,787.45	57.59	66.37	8.78	3728.54
	06/02/04	3,787.45	59.94	64.27	4.33	3726.86
	06/15/04	3,787.45	57.63	66.27	8.64	3728.52
	06/21/04	3,787.45	57.63	66.26	8.63	3728.53
	06/28/04	3,787.45	57.65	66.27	8.62	3728.51
	07/08/04	3,787.45	57.64	66.28	8.64	3728.51
	07/12/04	3,787.45	57.67	66.30	8.63	3728.49
	08/03/04	3,787.45	57.68	66.30	8.62	3728.48
	08/05/04	3,787.45	57.68	66.30	8.62	3728.48
	08/10/04	3,787.45	57.75	66.35	8.60	3728.41
	08/18/04	3,787.45	57.74	66.25	8.51	3728.43
	08/24/04	3,787.45	57.80	66.32	8.52	3728.37
	09/01/04	3,787.45	57.81	66.30	8.49	3728.37
	09/02/04	3,787.45	58.04	65.18	7.14	3728.34
	09/08/04	3,787.45	58.20	65.91	7.71	3728.09
	09/14/04	3,787.45	57.95	66.15	8.20	3728.27
	09/23/04	3,787.45	57.93	66.07	8.14	3728.30
	10/13/04	3,787.45	57.09	64.90	7.81	3729.19
	11/13/04	3,787.45	58.00	65.00	7.00	3728.40
	12/11/04	3,787.45	58.02	65.29	7.27	3728.34
	12/17/04	3,787.45	58.20	65.10	6.90	3728.22
	12/30/04	3,787.45	58.11	65.58	7.47	3728.22
RW - 2	02/17/04	3,787.83	59.81	61.34	1.53	3727.79
	03/02/04	3,787.83	59.52	61.09	1.57	3728.07
	04/08/04	3,787.83	58.14	64.18	6.04	3728.78
	04/12/04	3,787.83	59.54	60.30	0.76	3728.18
	04/19/04	3,787.83	58.16	63.13	4.97	3728.92

TABLE 1
GROUNDWATER ELEVATION DATA
FOR 2004

PLAINS MARKETING, LP
DARR ANGELL 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	06/02/04	3,787.83	59.55	61.12	1.57	3728.04
	06/15/04	3,787.83	58.62	float in well		
	06/21/04	3,787.83	57.93	float in well		
	06/28/04	3,787.83	57.90	62.18	4.28	3729.29
	07/08/04	3,787.83	57.91	float in well		
	07/12/04	3,787.83	57.90	float in well		
	08/03/04	3,787.83	57.90	float in well		
	08/05/04	3,787.83	57.90	float in well		
	08/10/04	3,787.83	57.97	float in well		
	08/18/04	3,787.83	float in well			
	09/02/04	3,787.83	58.00	float in well		
	12/11/04	3,787.83	float in well			
RW-3	01/08/04	3,787.81	58.30	67.18	8.88	3728.18
	01/21/04	3,787.81	58.34	67.97	9.63	3728.03
	02/17/04	3,787.81	59.68	60.59	0.91	3727.99
	03/02/04	3,787.81	58.47	67.80	9.33	3727.94
	03/18/04	3,787.81	58.79	66.37	7.58	3727.88
	04/08/04	3,787.81	59.40	62.18	2.78	3727.99
	04/12/04	3,787.81	59.50	61.70	2.20	3727.98
	04/19/04	3,787.81	59.16	60.23	1.07	3728.49
	06/02/04	3,787.81	58.46	67.02	8.56	3728.07
	06/15/04	3,787.81	58.72	64.28	5.56	3728.26
	06/21/04	3,787.81	58.30	66.04	7.74	3728.35
	06/28/04	3,787.81	58.26	66.16	7.90	3728.37
	07/08/04	3,787.81	58.28	66.10	7.82	3728.36
	07/12/04	3,787.81	58.29	66.13	7.84	3728.34
	08/03/04	3,787.81	58.30	66.13	7.83	3728.34
	08/05/04	3,787.81	58.03	66.13	8.10	3728.57
	08/10/04	3,787.81	58.32	66.56	8.24	3728.25
	08/18/04	3,787.81	58.37	66.20	7.83	3728.27
	08/24/04	3,787.81	58.45	66.18	7.73	3728.20
	09/01/04	3,787.81	58.45	66.21	7.76	3728.20
	09/02/04	3,787.81	59.23	62.60	3.37	3728.07
	09/08/04	3,787.81	58.73	64.93	6.20	3728.15
	09/14/04	3,787.81	58.63	65.73	7.10	3728.12
	09/23/04	3,787.81	58.58	65.50	6.92	3728.19
	10/13/04	3,787.81	57.79	65.32	7.53	3728.89
	11/13/04	3,787.81	59.19	62.05	2.86	3728.19
	12/11/04	3,787.81	58.60	65.99	7.39	3728.10
	12/17/04	3,787.81	58.70	65.88	7.18	3728.03
	12/30/04	3,787.81	58.63	66.12	7.49	3728.06
RW-4	01/08/04	3,787.74	59.77	61.54	1.77	3727.70
	01/21/04	3,787.74	59.69	61.99	2.30	3727.71
	02/17/04	3,787.74	59.81	60.32	0.51	3727.85
	03/02/04	3,787.74	59.99	60.77	0.78	3727.63
	03/18/04	3,787.74	60.00	61.03	1.03	3727.59
	04/08/04	3,787.74	59.70	60.14	0.44	3727.97

TABLE 1
GROUNDWATER ELEVATION DATA
FOR 2004

PLAINS MARKETING, LP
DARR ANGELL 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	04/12/04	3,787.74	59.80	60.41	0.61	3727.85
	04/19/04	3,787.74	59.83	60.52	0.69	3727.81
	06/02/04	3,787.74	59.94	60.67	0.73	3727.69
	06/15/04	3,787.74	59.20	62.26	3.06	3728.08
	06/21/04	3,787.74	58.65	64.69	6.04	3728.18
	06/28/04	3,787.74	58.53	65.30	6.77	3728.19
	07/08/04	3,787.74	58.60	64.98	6.38	3728.18
	07/12/04	3,787.74	58.58	65.11	6.53	3728.18
	08/03/04	3,787.74	58.59	65.11	6.52	3728.17
	08/05/04	3,787.74	58.59	65.11	6.52	3728.17
	08/10/04	3,787.74	58.55	65.70	7.15	3728.12
	08/18/04	3,787.74	58.60	65.35	6.75	3728.13
	08/24/04	3,787.74	58.71	65.18	6.47	3728.06
	09/01/04	3,787.74	58.65	65.40	6.75	3728.08
	09/02/04	3,787.74	58.61	65.45	6.84	3728.10
	09/08/04	3,787.74	58.73	65.50	6.77	3727.99
	09/14/04	3,787.74	58.80	65.05	6.25	3728.00
	09/23/04	3,787.74	58.78	65.15	6.37	3728.00
	10/13/04	3,787.74	58.81	64.10	5.29	3728.14
	11/13/04	3,787.74	59.14	62.92	3.78	3728.03
	12/11/04	3,787.74	58.40	65.35	6.95	3728.30
	12/17/04	3,787.74	58.49	65.29	6.80	3728.23
RW - 5	01/08/04	3,787.38	58.57	61.81	3.24	3728.32
	01/21/04	3,787.38	58.19	65.73	7.54	3728.06
	02/17/04	3,787.38	58.75	62.18	3.43	3728.12
	03/02/04	3,787.38	58.79	64.49	5.70	3727.74
	03/18/04	3,787.38	58.62	65.62	7.00	3727.71
	04/08/04	3,787.38	59.02	60.01	0.99	3728.21
	04/12/04	3,787.38	59.45	60.33	0.88	3727.80
	04/19/04	3,787.38	58.85	62.95	4.10	3727.92
	06/02/04	3,787.38	58.77	64.27	5.50	3727.79
	06/15/04	3,787.38	58.15	65.26	7.11	3728.16
	06/21/04	3,787.38	58.10	65.42	7.32	3728.18
	06/28/04	3,787.38	58.11	65.46	7.35	3728.17
	07/08/04	3,787.38	58.12	65.45	7.33	3728.16
	07/12/04	3,787.38	58.14	65.46	7.32	3728.14
	08/03/04	3,787.38	58.15	65.46	7.31	3728.13
	08/05/04	3,787.38	58.15	65.46	7.31	3728.13
	08/10/04	3,787.38	58.31	65.00	6.69	3728.07
	08/18/04	3,787.38	58.48	64.10	5.62	3728.06
	08/24/04	3,787.38	58.63	63.73	5.10	3727.99
	09/01/04	3,787.38	58.60	63.98	5.38	3727.97
	09/02/04	3,787.38	59.30	60.70	1.40	3727.87
	09/08/04	3,787.38	58.80	63.30	4.50	3727.91
	09/14/04	3,787.38	58.84	63.25	4.41	3727.88
	09/23/04	3,787.38	58.75	63.55	4.80	3727.91
	10/13/04	3,787.38	58.05	63.78	5.73	3728.47
	11/13/04	3,787.38	58.31	64.50	6.19	3728.14

TABLE 1
GROUNDWATER ELEVATION DATA
FOR 2004

PLAINS MARKETING, LP
DARR ANGELL 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	12/11/04	3,787.38	58.28	65.09	6.81	3728.08
	12/17/04	3,787.38	58.39	65.04	6.65	3727.99
	12/30/04	3,787.38	50.46	65.20	14.74	3734.71
RW-6	01/08/04	3,787.22	58.64	63.52	4.88	3727.85
	01/21/04	3,787.22	57.98	66.18	8.20	3728.01
	02/17/04	3,787.22	57.62	66.52	8.90	3728.27
	03/02/04	3,787.22	59.08	61.48	2.40	3727.78
	03/18/04	3,787.22	57.89	67.05	9.16	3727.96
	04/08/04	3,787.22	57.55	58.21	0.66	3729.57
	04/12/04	3,787.22	57.70	67.00	9.30	3728.13
	04/19/04	3,787.22	57.77	57.81	0.04	3729.44
	06/02/04	3,787.22	59.10	61.37	2.27	3727.78
	06/15/04	3,787.22	58.07	64.00	5.93	3728.26
	06/21/04	3,787.22	57.59	65.94	8.35	3728.38
	06/28/04	3,787.22	57.65	66.12	8.47	3728.30
	07/08/04	3,787.22	57.64	66.03	8.39	3728.32
	07/12/04	3,787.22	57.66	66.05	8.39	3728.30
	08/03/04	3,787.22	57.67	66.05	8.38	3728.29
	08/05/04	3,787.22	57.67	66.05	8.38	3728.29
	08/10/04	3,787.22	57.75	66.30	8.55	3728.19
	08/18/04	3,787.22	57.15	66.14	8.99	3728.72
	08/24/04	3,787.22	57.80	66.26	8.46	3728.15
	09/01/04	3,787.22	57.72	66.14	8.42	3728.24
	09/02/04	3,787.22	58.17	64.00	5.83	3728.18
	09/08/04	3,787.22	57.85	66.03	8.18	3728.14
	09/14/04	3,787.22	57.78	65.95	8.17	3728.21
	09/23/04	3,787.22	57.82	66.00	8.18	3728.17
	10/13/04	3,787.22	57.00	65.45	8.45	3728.95
	11/13/04	3,787.22	57.81	65.47	7.66	3728.26
	12/11/04	3,787.22	57.75	65.60	7.85	3728.29
	12/17/04	3,787.22	57.86	65.68	7.82	3728.19
	12/30/04	3,787.22	57.97	65.70	7.73	3728.09
RW-7	01/08/04	3,787.40	58.21	66.50	8.29	3727.95
	01/21/04	3,787.40	58.50	66.88	8.38	3727.64
	02/17/04	3,787.40	59.32	60.48	1.16	3727.91
	03/02/04	3,787.40	58.15	66.51	8.36	3728.00
	03/18/04	3,787.40	58.21	66.75	8.54	3727.91
	04/08/04	3,787.40	57.90	58.62	0.72	3729.39
	04/12/04	3,787.40	57.96	66.82	8.86	3728.11
	04/19/04	3,787.40	58.07	59.16	1.09	3729.17
	06/02/04	3,787.40	58.18	67.81	9.63	3727.78
	06/15/04	3,787.40	58.18	64.25	6.07	3728.31
	06/21/04	3,787.40	57.82	63.83	6.01	3728.68
	06/28/04	3,787.40	57.79	66.01	8.22	3728.38
	07/08/04	3,787.40	57.81	64.45	6.64	3728.59
	07/12/04	3,787.40	57.81	64.98	7.17	3728.51
	08/03/04	3,787.40	57.82	64.98	7.16	3728.51

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
DARR ANGELL 2
LEA COUNTY, NEW MEXICO

Results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030,8260b BTEX				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW-1	03/02/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/11/04	<0.001	<0.001	<0.001	<0.001	
MW-3	09/02/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/11/04	<0.001	<0.001	<0.001	<0.001	
MW-4	09/02/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/11/04	<0.001	<0.001	<0.001	<0.001	
MW-5	03/02/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/11/04	<0.001	<0.001	<0.001	<0.001	
MW-6	03/02/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/11/04	<0.001	<0.001	<0.001	<0.001	
MW-7	03/02/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/11/04	<0.001	<0.001	<0.001	<0.001	
MW - 8	03/02/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/11/04	<0.001	<0.001	<0.001	<0.001	
MW-9	03/02/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/11/04	<0.001	<0.001	<0.001	<0.001	
MW-10	12/11/04	<0.001	<0.001	<0.001	<0.001	
EB - 1						

Note: N.S. denotes that well was not sampled due to landowner denying access.



Appendices

Appendix A
Notification of Release and Corrective
Action

2040 South Pacheco Street
Santa Fe, New Mexico 87305
(505) 827-7131

Submit 2 copies to
Appropriate District
Office in accordance
with Rule 116 on
back side of form

Darr Angell #2

Release Notification and Corrective Action

OPERATOR

☒ Initial Report☐ Final Report

Name EOTT Energy Pipeline	Contact Lennah Frost
Address PO Box 1660 Midland TX 79702	Telephone No 915/6843467
Facility Name Devon Gathering	Facility Type Pipeline
Surface Owner Darr Angell	Mineral Owner
Lease No.	

LOCATION OF RELEASE

Unit Letter	Section 14	Township 15-S	Range 37-E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
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NATURE OF RELEASE

Type of Release Crude oil	Volume of Release 600001	Volume Recovered 0
Source of Release Pipeline Leak	Date and Time of Occurrence unknown	Date and Time of Discovery 7/29/99 4pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Linda - Hobbs (CD)	
By Whom? Lennah Frost Jim Henry	Date and Time 8/30/99 2:30 pm	
Was a Videotape Made? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Videotape.	

If a Videotape was impacted, Describe Fully (Attach Addressbook Sheet if Necessary)

Describe Cause of Problem and Remedial Action Taken (Attach Additional Sheets if Necessary)

External Corrosion - pipe will be replaced

Describe Area Affected and Cleanup Action Taken (Attach Additional Sheets if Necessary)

Will evaluate once the pipe has been replaced -
Probable treat on site

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCED 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 NMOCED marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and address contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCED 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 Lennah Frost	OIL CONSERVATION DIVISION	
Printed Name Lennah Frost	Approved by District Supervisor	
Title Sr ENV. Engineer	Approval Date	Expiration Date
Date 8-3-99	Phone 915/6843467	Condition of Approval
		Attached <input type="checkbox"/>