

1R - 420

Quarterly REPORTS

DATE:

2009 - 4th



RECEIVED

February 2, 2010

FEB 16 2010

Environmental Bureau
Oil Conservation Division

Mr. Ed Hansen
New Mexico Oil Conservation Division
1220 South Francis Drive
Santa Fe, New Mexico 87505

Re: Plains Marketing, L.P. Texaco Skelly F (Plains SRS # 2002-11229
Solar Recovery System Summary - Fourth Quarter 2009
NMOCD Reference # 1R-0420
Unit Letter-E (SW1/4 of the NW1/4), Section 21, T20S, R37E
Lea County, New Mexico

Dear Mr. Hansen:

NOVA Safety and Environmental (NOVA), on behalf of Plains Marketing, L.P. (Plains) is submitting this letter report summarizing the progress of the PSH solar recovery system operating at the above referenced site during the fourth quarter of 2009.

Remediation Activities

Manual PSH recovery was conducted on monitor well MW-8 in conjunction with the solar recovery efforts conducted in Recovery wells RW-1 and RW-2. PSH thicknesses in MW-8 averaged approximately 0.63 feet and approximately 11 gallons (0.26 barrels) of PSH was recovered during the 4th quarter of 2009.

The solar recovery system installed in Recovery Wells RW-1 and RW-2 utilizes total fluids pumps to recover phase separated hydrocarbons (PSH) and inhibit migration of the PSH plume. The total fluids pump is powered by two 12 volt solar panels and a 12 volt wind turbine generator maintaining charge on a marine 12 volt battery. The pump is operated on a cycle of approximately 3 minutes every 3 hours at an average pumping rate of approximately 2 gallons per minute (gpm). Pumping rates along with pump position within the well have been adjusted periodically to minimize the volume of water and maximize the volume of PSH recovered. PSH thicknesses in RW-1 averaged approximately 0.30 feet and approximately 15 gallons (0.36 barrels) of PSH was recovered during the 4th quarter of 2009. PSH thicknesses in RW-2 averaged approximately 1.03 feet, and approximately 4 gallons (0.10 barrels) of PSH was recovered during the 4th quarter of 2009. The monthly recovery for the site averaged approximately 10 gallons (0.24 barrels) per month during the 4th quarter. A summary of the historical gauging and recovery data is presented Table 1. Chart 1 through Chart 3 demonstrate the PSH thicknesses in MW-8, RW-1 and RW-2 during the 4th quarter of 2009.

All recovered fluids are properly disposed at the Cooper Disposal Facility located approximately 2 miles south of the Texaco Skelly F site.

If you have any questions, or if additional information is needed, please feel free to call us at 432-520-7720 or 432-894-7166.

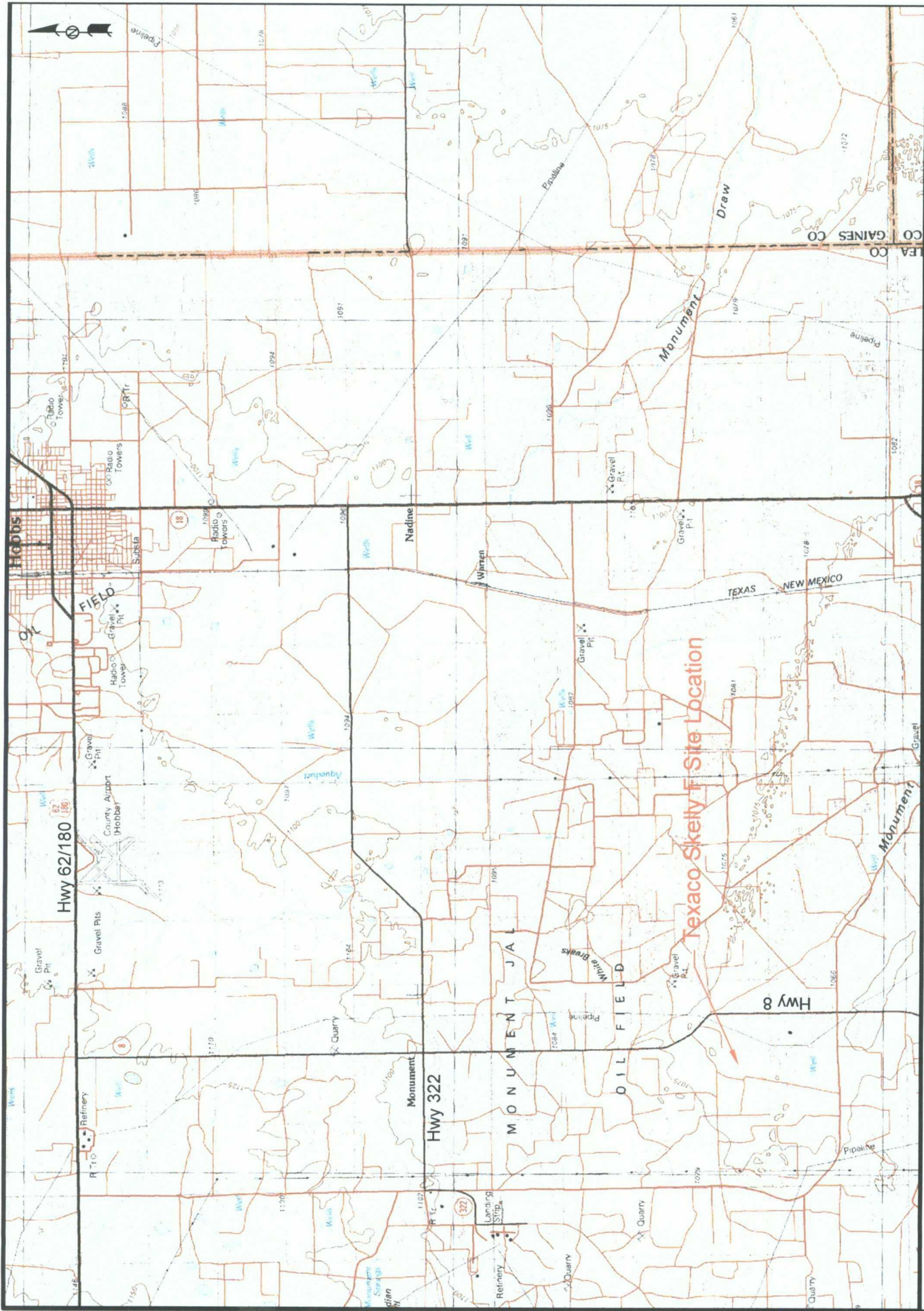
Thank you,

A handwritten signature in black ink, appearing to read 'Ronald Rounsaville', written in a cursive style.

Ronald K. Rounsaville
Senior Project Manager
NOVA Safety and Environmental

Attachments:

Figure 1 – Site Location Map
Figure 2 – Inferred Groundwater Gradient Map
Figure 3 – Groundwater Concentration and Inferred PSH Extent Map
Table 1 – Monthly PSH Recovery Data
Chart 1 – PSH Thickness MW-8
Chart 2 – PSH Thickness RW-1
Chart 3 – PSH Thickness RW-2



SW1/4 NW1/4 Section 21, T20S, R37E



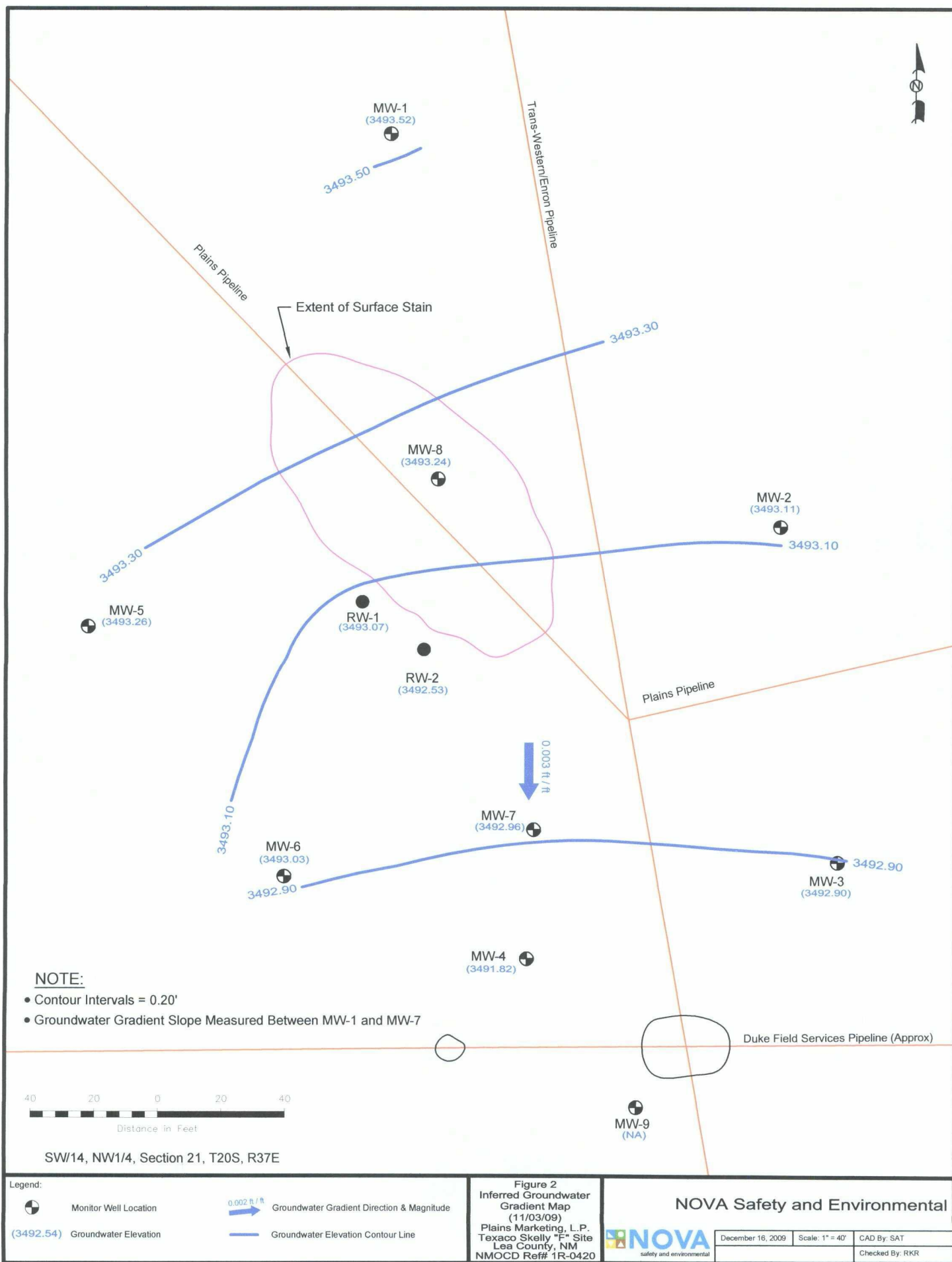
Figure 1
Site Location Map
Plains Marketing, L.P.
Texaco Skelly F
Lea County, NM

NMOC Reference # 1R-0420

NOVA Safety and Environmental

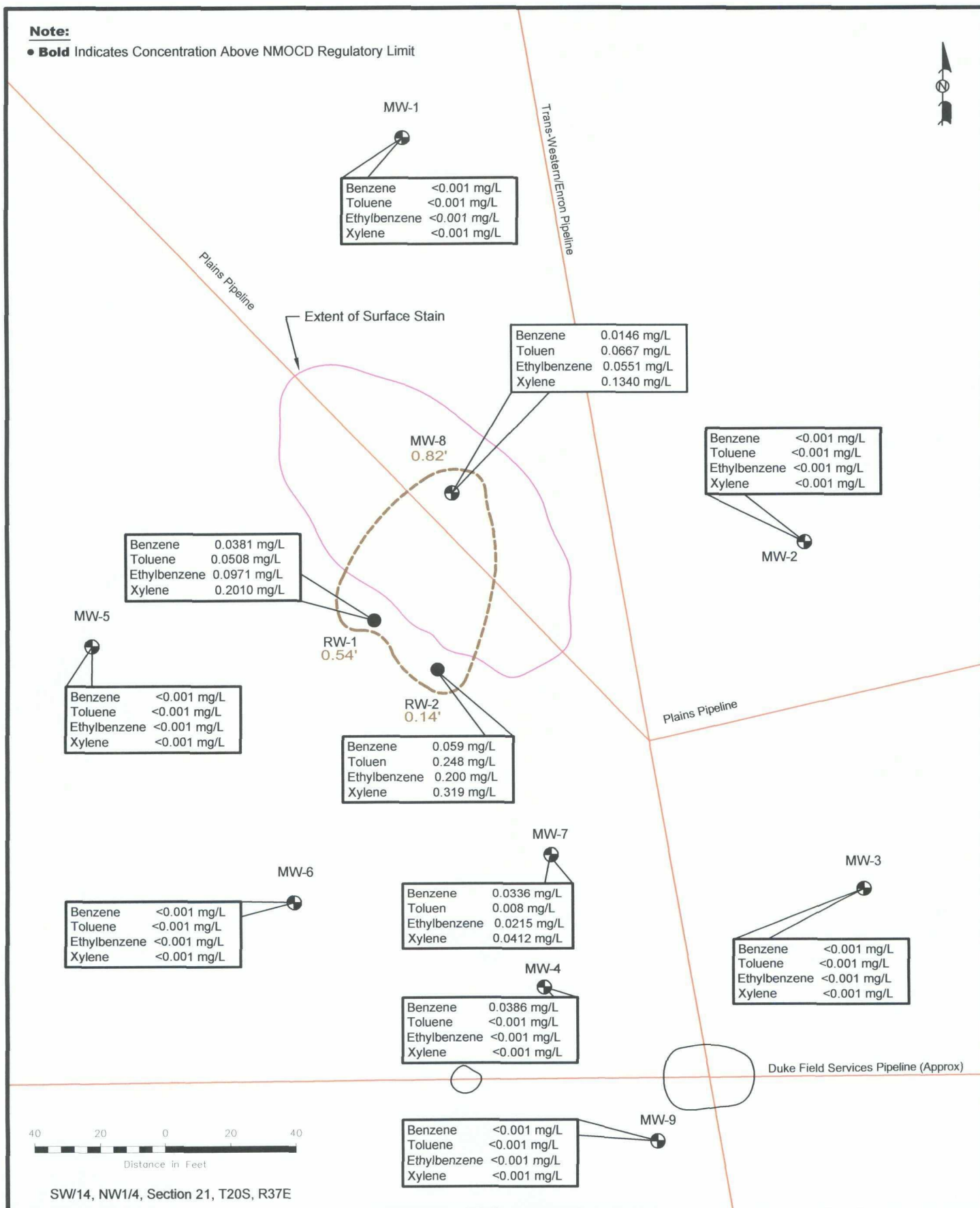


February 15, 2005	Scale: 1" = 6 Miles	Prep By: DPM	Checked By: NRE
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Note:

- **Bold** Indicates Concentration Above NMOCD Regulatory Limit



Legend:



Product Recovery Well



Monitor Well Location



Inferred Extent of PSH

<0.001

Constituent Concentration (mg/L)

(NS)

Not Sampled

1.90'

Depth of PSH (feet)

Figure 3
Groundwater Concentration
and Inferred PSH Extent Map
(11/03/09)
Plains Pipeline, L.P.
Texaco Skelly "F" Site
Lea County, New Mexico
NMOCD Ref# 1R-0420



2057 Commerce Drive
Midland, Texas 79703
432.520.7720
www.novasafetyandenvironmental.com

Scale: 1" = 40'
December 17, 2009

CAD By: SAT

Checked By: RKR
N 31° 25.326 W 102° 19.435

TABLE 1

MONTHLY PSH RECOVERY DATA - OCTOBER 2009

PLAINS MARKETING, L.P.
 TEXACO SKELLY F
 LEA COUNTY, NEW MEXICO
 SRS# 2002-11229

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS (Feet)	CORRECTED GROUNDWATER ELEVATION	OIL RECOVERED (Gallons)	WATER RECOVERED (Gallons)
MW - 8	10/01/09	3519.78	26.40	27.25	0.85	3493.25	2.00	4
MW - 8	10/05/09	3519.78	26.45	27.21	0.76	3493.22	1.00	5
MW - 8	10/06/09	3519.78	26.13	26.46	0.33	3493.60	0.75	5
MW - 8	10/12/09	3519.78	26.46	27.33	0.87	3493.19	1.00	5
MW - 8	10/15/09	3519.78	26.51	27.13	0.62	3493.18	1.00	10
MW - 8	10/19/09	3519.78	26.54	27.19	0.65	3493.14	0.50	4
MW - 8	10/21/09	3519.78	26.50	26.90	0.40	3493.22	0.25	5
MW - 8	10/26/09	3519.78	26.54	27.14	0.60	3493.15	0.50	5
MW - 8	10/28/09	3519.78	26.43	26.84	0.41	3493.29	0.25	5
		TOTAL VOLUME OF PSH AND WATER RECOVERED - OCTOBER 2009						
RW - 1	10/01/09	3519.68	26.48	26.73	0.25	3493.16	2.00	15
RW - 1	10/05/09	3519.68	26.50	26.75	0.25	3493.14	1.50	20
RW - 1	10/06/09	3519.68	26.53	26.85	0.32	3493.10	1.25	20
RW - 1	10/12/09	3519.68	26.54	26.96	0.42	3493.08	2.00	15
RW - 1	10/15/09	3519.68	26.58	26.82	0.24	3493.06	1.50	15
RW - 1	10/19/09	3519.68	26.61	26.90	0.29	3493.03	1.00	10
RW - 1	10/21/09	3519.68	26.51	26.68	0.17	3493.14	1.00	10
RW - 1	10/26/09	3519.68	26.59	26.89	0.30	3493.05	1.00	15
RW - 1	10/28/09	3519.68	26.45	26.67	0.22	3493.20	1.25	5
		TOTAL VOLUME OF PSH AND WATER RECOVERED - OCTOBER 2009						
RW - 2	No Recovery in October							125.00
RW - 2								
		TOTAL VOLUME OF PSH AND WATER RECOVERED - OCTOBER 2009						
							0.00	0.00

CUMULATIVE TOTAL OF PSH RECOVERED - OCTOBER 2009 (Gallons)

19.75

173.00

TABLE 1

MONTHLY PSH RECOVERY DATA - NOVEMBER 2009

PLAINS MARKETING, L.P.
 TEXACO SKELLY F
 LEA COUNTY, NEW MEXICO
 SRS# 2002-11229

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS (Feet)	CORRECTED GROUNDWATER ELEVATION	OIL RECOVERED (Gallons)	WATER RECOVERED (Gallons)
MW - 8	11/03/09	3519.78	26.42	27.24	0.82	3493.24	0.00	0
MW - 8	11/04/09	3519.78	26.41	26.76	0.35	3493.32	0.25	5
MW - 8	11/17/09	3519.78	26.24	27.30	1.06	3493.38	0.50	4.5
		TOTAL VOLUME OF PSH AND WATER RECOVERED - NOVEMBER 2009					0.75	9.50
RW - 1	11/03/09	3519.68	26.53	27.07	0.54	3493.07	0.00	0
RW - 1	11/04/09	3519.68	26.44	26.64	0.20	3493.21	0.25	10
RW - 1	11/17/09	3519.68	26.29	27.11	0.82	3493.27	1.50	13.5
		TOTAL VOLUME OF PSH AND WATER RECOVERED - NOVEMBER 2009					1.75	23.50
RW - 2	11/03/09	3520.24	27.69	27.83	0.14	3492.53	0.00	0
RW - 2	11/04/09	3520.24	27.05	27.41	0.36	3493.14	0.25	10
RW - 2	11/17/09	3520.24	26.85	28.58	1.73	3493.13	2.00	18
		TOTAL VOLUME OF PSH AND WATER RECOVERED - NOVEMBER 2009					2.25	28.00

CUMULATIVE TOTAL OF PSH RECOVERED - NOVEMBER 2009 (Gallons)

4.75

61.00

TABLE 1

MONTHLY PSH RECOVERY DATA - DECEMBER 2009

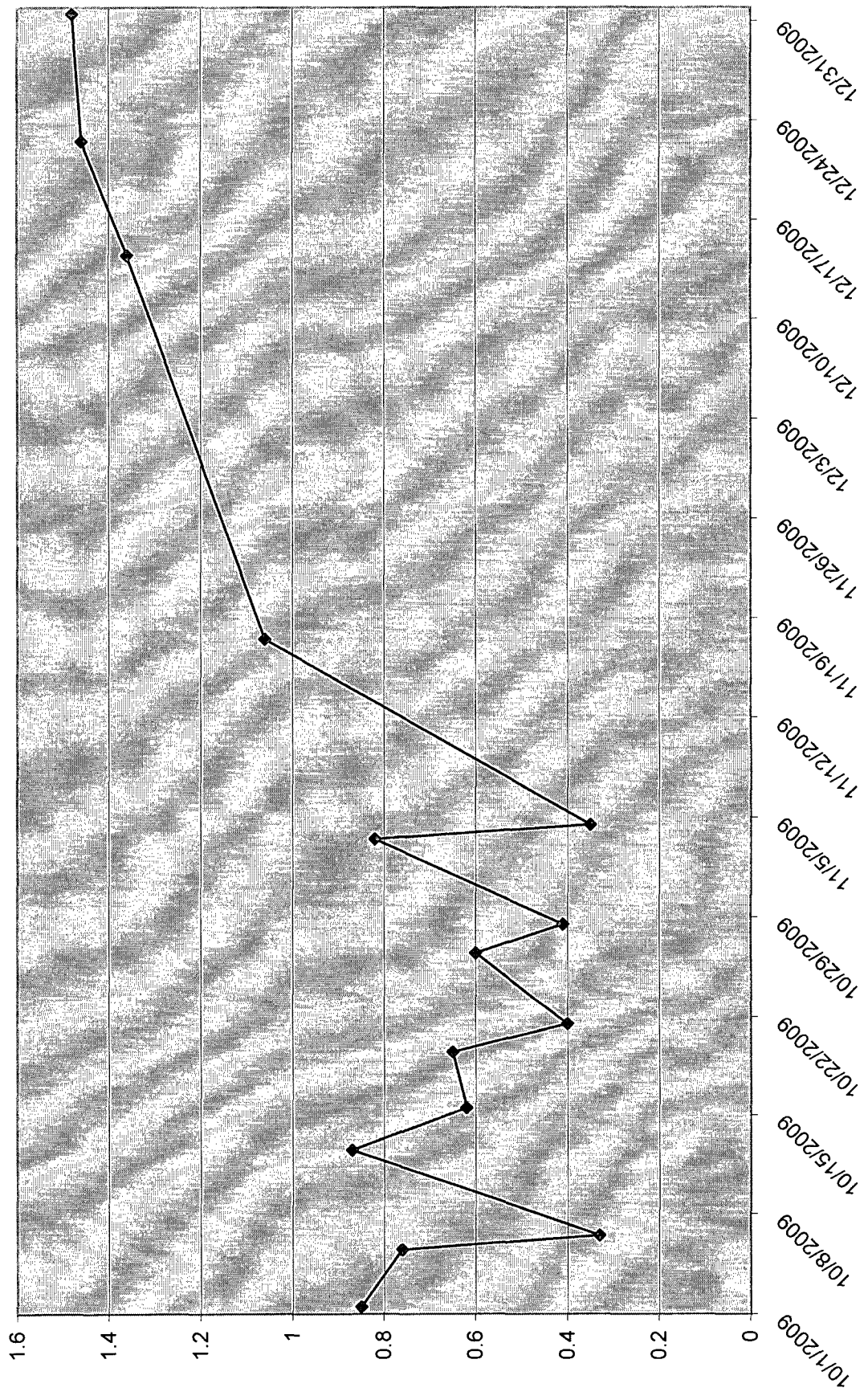
PLAINS MARKETING, L.P.
 TEXACO SKELLY F
 LEA COUNTY, NEW MEXICO
 SRS# 2002-11229

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS (Feet)	CORRECTED GROUNDWATER ELEVATION	OIL RECOVERED (Gallons)	WATER RECOVERED (Gallons)
MW - 8	12/14/09	3519.78	26.11	27.47	1.36	3493.47	0.75	10
MW - 8	12/22/09	3519.78	26.04	27.50	1.46	3493.52	0.75	5
MW - 8	12/31/09	3519.78	26.09	27.57	1.48	3493.47	1.50	20
		TOTAL VOLUME OF PSH AND WATER RECOVERED - DECEMBER 2009					3.00	35.00
RW - 1	12/14/09	3519.68	26.16	27.11	0.95	3493.38	1.25	15
RW - 1	12/22/09	3519.68	26.20	26.30	0.10	3493.47	0.00	0
		TOTAL VOLUME OF PSH AND WATER RECOVERED - DECEMBER 2009					1.25	15.00
RW - 2	12/14/09	3520.24	26.80	29.07	2.27	3493.10	1.75	15
RW - 2	12/22/09	3520.24	26.79	27.43	0.64	3493.35	0.00	0
		TOTAL VOLUME OF PSH AND WATER RECOVERED - DECEMBER 2009					1.75	15.00

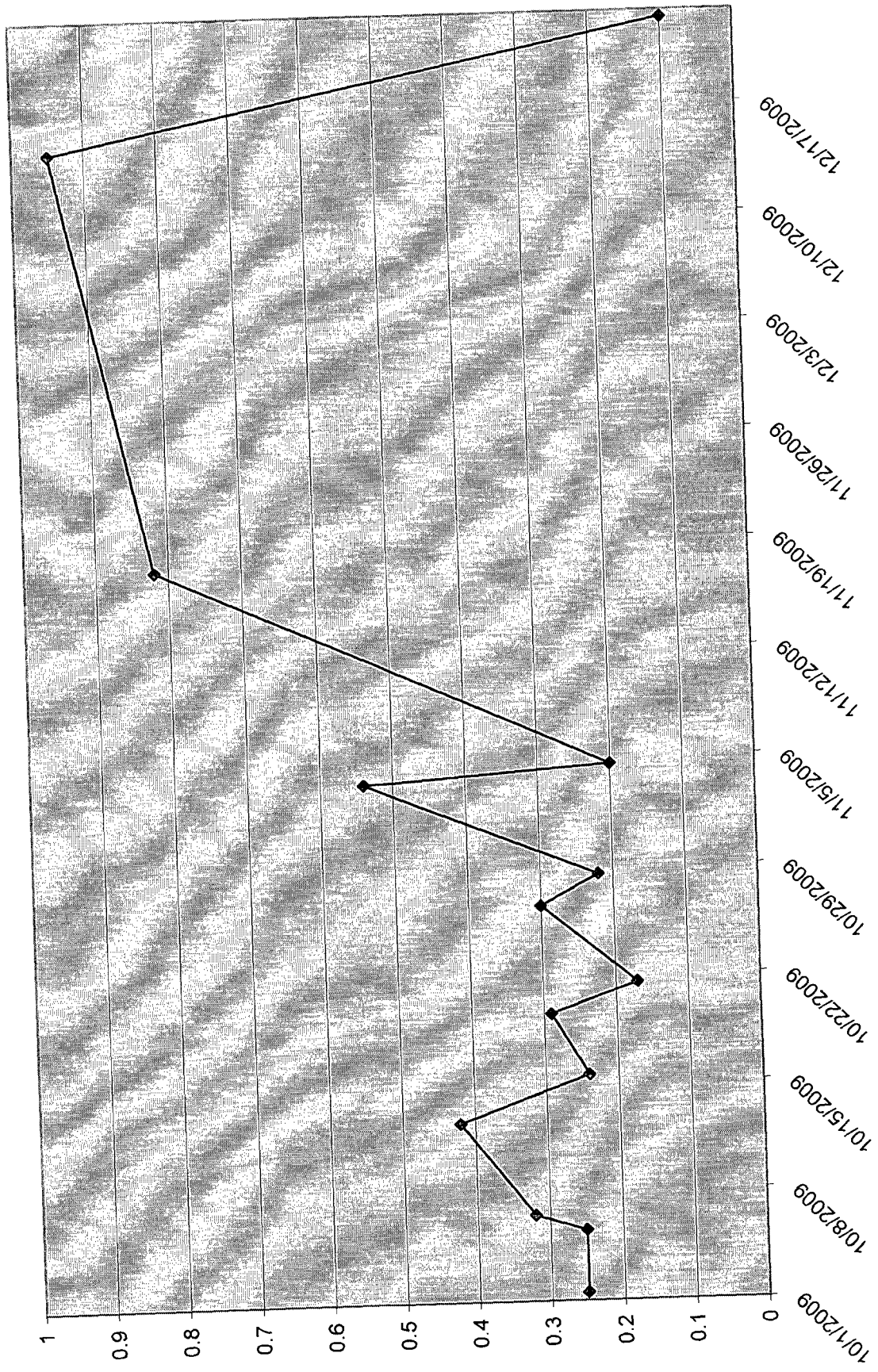
CUMULATIVE TOTAL OF PSH RECOVERED - DECEMBER 2009 (Gallons)

6.00	65.00
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MW-8 PSH Thickness



RW-1 PSH Thickness



RW-2 PSH Thickness

