

1R – 420

Quarterly REPORTS

**DATE:
2011**



October 26, 2011

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 - Third Quarter 2011
NMOCD Reference # 1R-0420
Unit Letter-E (SW1/4 of the NW1/4), Section 21, T20S, R37E
Lea County, New Mexico

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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 third quarter of 2011.

Remediation Activities

Manual PSH recovery was conducted on monitor wells MW-7 and MW-8 in conjunction with the solar recovery efforts conducted in Recovery wells RW-1 and RW-2. Monitor well MW-7 did not exhibit a PSH sheen during the 3rd quarter of 2011. PSH was again observed in Monitor well MW-8 during September 2011.

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 MW-8 averaged approximately 0.59 feet and approximately 0.5 gallons (0.01 barrels) of PSH was recovered during the 3rd quarter of 2011. PSH thicknesses in RW-1 averaged approximately 0.36 feet and approximately 11.75 gallons (0.28 barrels) of PSH was recovered during the 3rd quarter of 2011. PSH thicknesses in RW-2 averaged approximately 0.07 feet, and approximately 4.0 gallons (0.10 barrels) of PSH was recovered during the 3rd quarter of 2011. The monthly recovery for the site averaged approximately 5.5 gallons (0.13 barrels) per month during the 3rd quarter. A summary of the historical gauging and recovery data is presented Table 1. Chart 1 through Chart 3 demonstrates the PSH thicknesses in MW-7, MW-8, RW-1 and RW-2 during the 3rd quarter of 2011. All recovered fluids are properly disposed at the Cooper Disposal Facility located approximately 2 miles south of the Texaco Skelly F site. The solar recovery system was dismantled on September 20, 2011 to facilitate NMOCD approved excavation activities currently being conducted at the

site. Upon completion of the excavation activities, the solar recovery system will be reassembled and recovery functions will be restored as normal.

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,



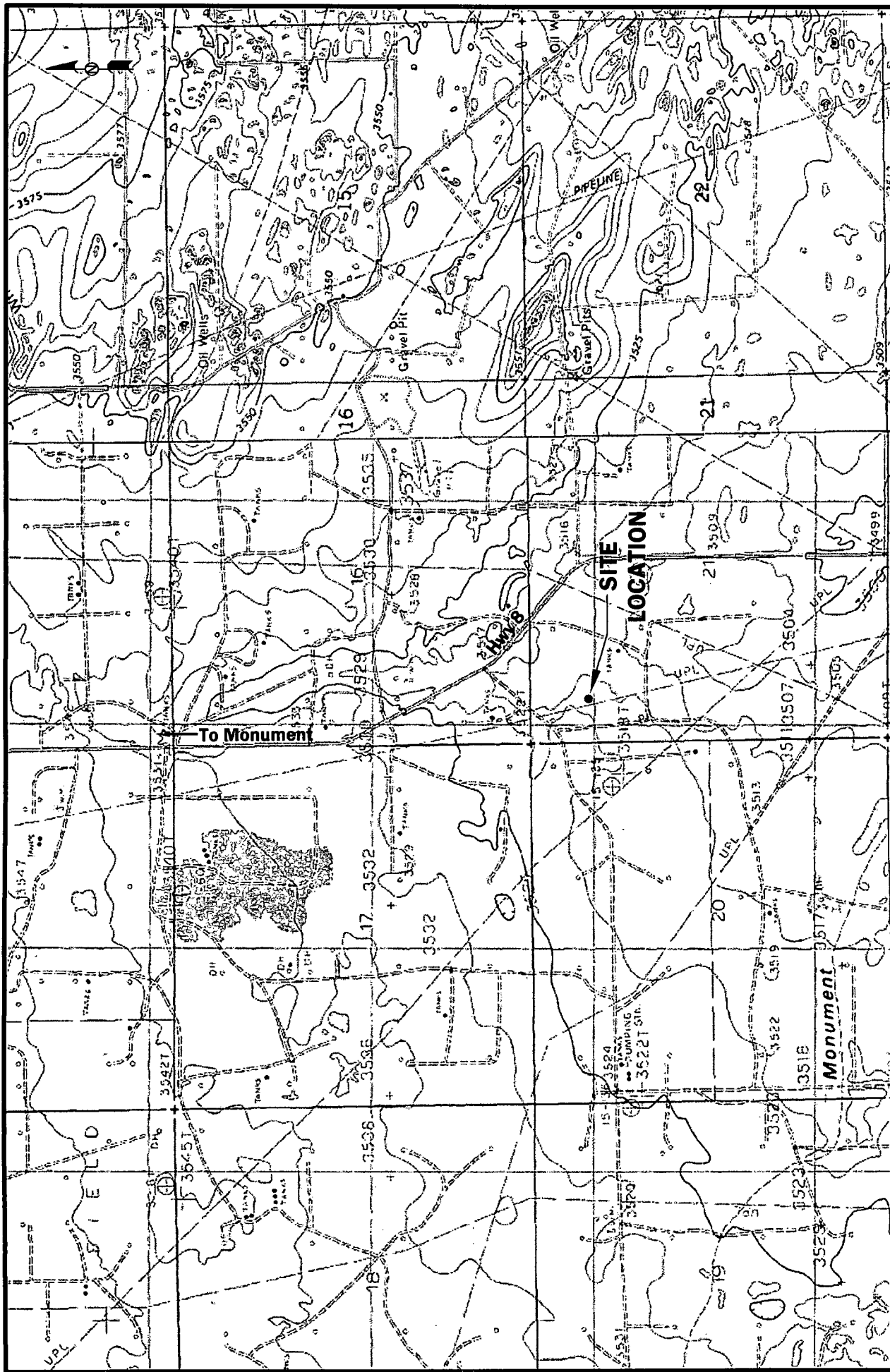
Ronald K. Rounsaville
Senior Project Manager
NOVA Safety and Environmental

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 – July, August, September 2011
Chart 1 – PSH Thickness MW-7
Chart 2 – PSH Thickness MW-8
Chart 3 – PSH Thickness RW-1
Chart 4 – PSH Thickness RW-2

CC:

Geoffrey R. Leking, NMOCD, Hobbs, NM
Jeff Dann, Plains Marketing, L.P., Houston, Texas
Jason Henry, Plains Marketing, L.P., Denver City, Texas



LEGEND:



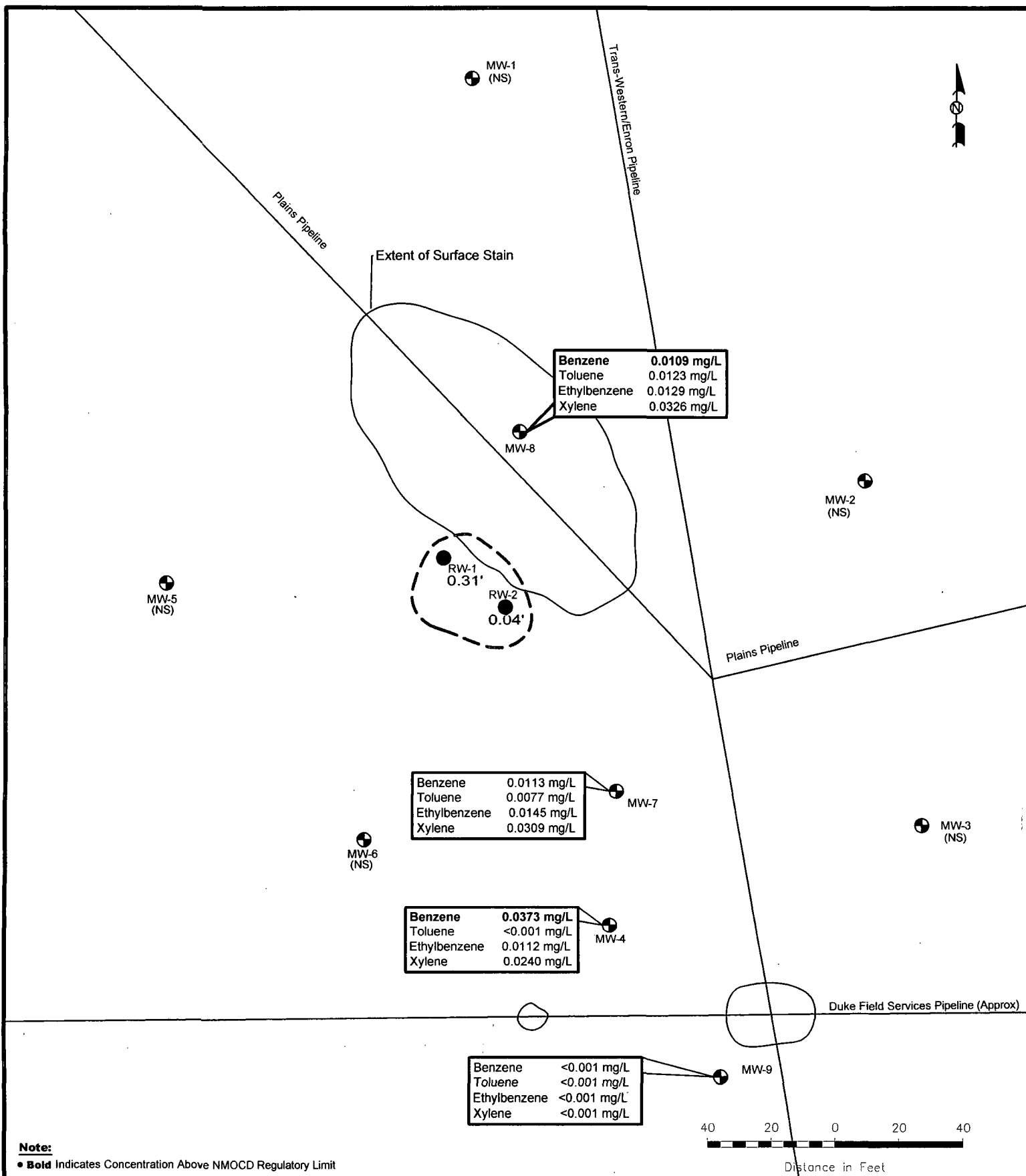
2057 Commerce Drive
Midland, Texas 79703
432.520.7720
www.novasafetyandenvironmental.com

March 3, 2011	Scale: 1" = 2000'	CAD By: TA	Checked By: RKR
LATITUDE & LONGITUDE COORDINATES: N 32° 33' 47.00" W 103° 15' 48.47"			

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

NMCCD Reference #1R-420

Lat. N 31° 33' 47.0" Long. W 103° 15' 48.47" SW1/4 NW1/4 Sec 21 T20S R37E



Note:

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

LEGEND:

- Product Recovery Well (NS) Not Sampled
- ⊕ Monitor Well Location 1.90' Depth of PSH (feet)
- Inferred Extent of PSH
- <0.001 Constituent Concentration (mg/L)

Figure 3C
Groundwater Concentration
and Inferred PSH Extent Map
(8/3/2011)
NMOCD Reference # IR-0420
Plains Marketing, L.P.
Texaco Skelly "F" Site
Lea County, NM



2057 Commerce Drive
 Midland, Texas 79703
 432.520.7720

www.novasafetyandenvironmental.com

September 14, 2011 Scale: 1" = 40' CAD By: TA Checked By: RKR

Lat. N 31° 33' 47.0" Long. W 103° 15' 48.47" SW1/4 NW1/4 Sec 21 T20S R37E

MONTHLY PSH RECOVERY DATA - JULY 2011

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 - 7	07/07/11	3521.02	-	27.72	0.00	3493.30	0.00	10
MW - 7	07/12/11	3521.02	-	27.80	0.00	3493.22	0.00	10
MW - 7	07/25/11	3521.02	-	27.45	0.00	3493.57	0.00	10
		TOTAL VOLUME OF PSH AND WATER RECOVERED - JULY 2011					0.00	30.00
MW - 8	07/07/11	3519.78	-	26.18	0.00	3493.60	0.00	10
MW - 8	07/12/11	3519.78	-	26.26	0.00	3493.52	0.00	10
MW - 8	07/25/11	3519.78	-	25.90	0.00	3493.88	0.00	10
		TOTAL VOLUME OF PSH AND WATER RECOVERED - JULY 2011					0.00	30.00
RW - 1	07/07/11	3519.68	26.49	26.87	0.38	3493.13	1.00	15
RW - 1	07/12/11	3519.68	26.50	26.87	0.37	3493.12	1.00	20
RW - 1	07/25/11	3519.68	26.51	26.86	0.35	3493.12	1.00	20
		TOTAL VOLUME OF PSH AND WATER RECOVERED - JULY 2011					3.00	55.00
RW - 2	07/07/11	3520.24	27.66	27.72	0.06	3492.57	0.50	20
RW - 2	07/12/11	3520.24	27.66	27.74	0.08	3492.57	0.50	20
RW - 2	07/25/11	3520.24	27.67	27.74	0.07	3492.56	0.50	20
		TOTAL VOLUME OF PSH AND WATER RECOVERED - JULY 2011					1.50	60.00

CUMULATIVE TOTAL OF PSH RECOVERED - JULY 2011 (Gallons)

4.50	175.00
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MONTHLY PSH RECOVERY DATA - AUGUST 2011

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 - 7	08/01/11	3521.02	-	27.50	0.00	3493.52		10
MW - 7	08/03/11	3521.02	-	27.05	0.00	3493.97		10
MW - 7	08/08/11	3521.02	-	27.76	0.00	3493.26		10
MW - 7	08/15/11	3521.02	-	28.31	0.00	3492.71		10
MW - 7	08/08/11	3521.02	-	27.76	0.00	3493.26		10
MW - 7	08/22/11	3521.02	-	28.11	0.00	3492.91		10
MW - 7	08/29/11	3521.02	-	28.20	0.00	3492.82		10
		TOTAL VOLUME OF PSH AND WATER RECOVERED - AUGUST 2011					0.00	70.00
MW - 8	08/01/11	3519.78	-	25.99	0.00	3493.79		10
MW - 8	08/03/11	3519.78	-	25.63	0.00	3494.15		0
MW - 8	08/08/11	3519.78	-	26.21	0.00	3493.57		10
MW - 8	08/15/11	3519.78	-	26.80	0.00	3492.98		10
MW - 8	08/18/11	3519.78	-	27.81	0.00	3491.97		10
MW - 8	08/22/11	3519.78	-	26.61	0.00	3493.17		10
MW - 8	08/29/11	3519.78	-	26.68	0.00	3493.10		10
		TOTAL VOLUME OF PSH AND WATER RECOVERED - AUGUST 2011					0.00	60.00
RW - 1	08/01/11	3519.68	26.52	26.87	0.35	3493.11	1.00	20
RW - 1	08/03/11	3519.68	26.53	26.84	0.31	3493.10		
RW - 1	08/08/11	3519.68	26.52	26.83	0.31	3493.11	1.00	20
RW - 1	08/15/11	3519.68	26.51	26.84	0.33	3493.12	1.25	20
RW - 1	08/18/11	3519.68	26.50	26.87	0.37	3493.12	1.00	20
RW - 1	08/22/11	3519.68	26.50	26.88	0.38	3493.12	1.25	20
RW - 1	08/29/11	3519.68	26.50	26.87	0.37	3493.12	1.00	20
		TOTAL VOLUME OF PSH AND WATER RECOVERED - AUGUST 2011					6.50	120.00
RW - 2	08/01/11	3520.24	27.69	27.74	0.05	3492.54	0.50	20
RW - 2	08/03/11	3520.24	27.69	27.73	0.04	3492.54		
RW - 2	08/08/11	3520.24	27.68	27.73	0.05	3492.55	0.50	20
RW - 2	08/15/11	3520.24	27.67	27.73	0.06	3492.56	0.50	20
RW - 2	08/18/11	3520.24	27.68	27.74	0.06	3492.55	0.50	20
RW - 2	08/22/11	3520.24	27.69	27.76	0.07	3492.54	0.50	20
RW - 2	08/29/11	3520.24	27.70	27.77	0.07	3492.53	0.50	20
		TOTAL VOLUME OF PSH AND WATER RECOVERED - AUGUST 2011					1.50	60.00

CUMULATIVE TOTAL OF PSH RECOVERED - AUGUST 2011 (Gallons)

8.00

310.00

TABLE 1

MONTHLY PSH RECOVERY DATA - SEPTEMBER 2011

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

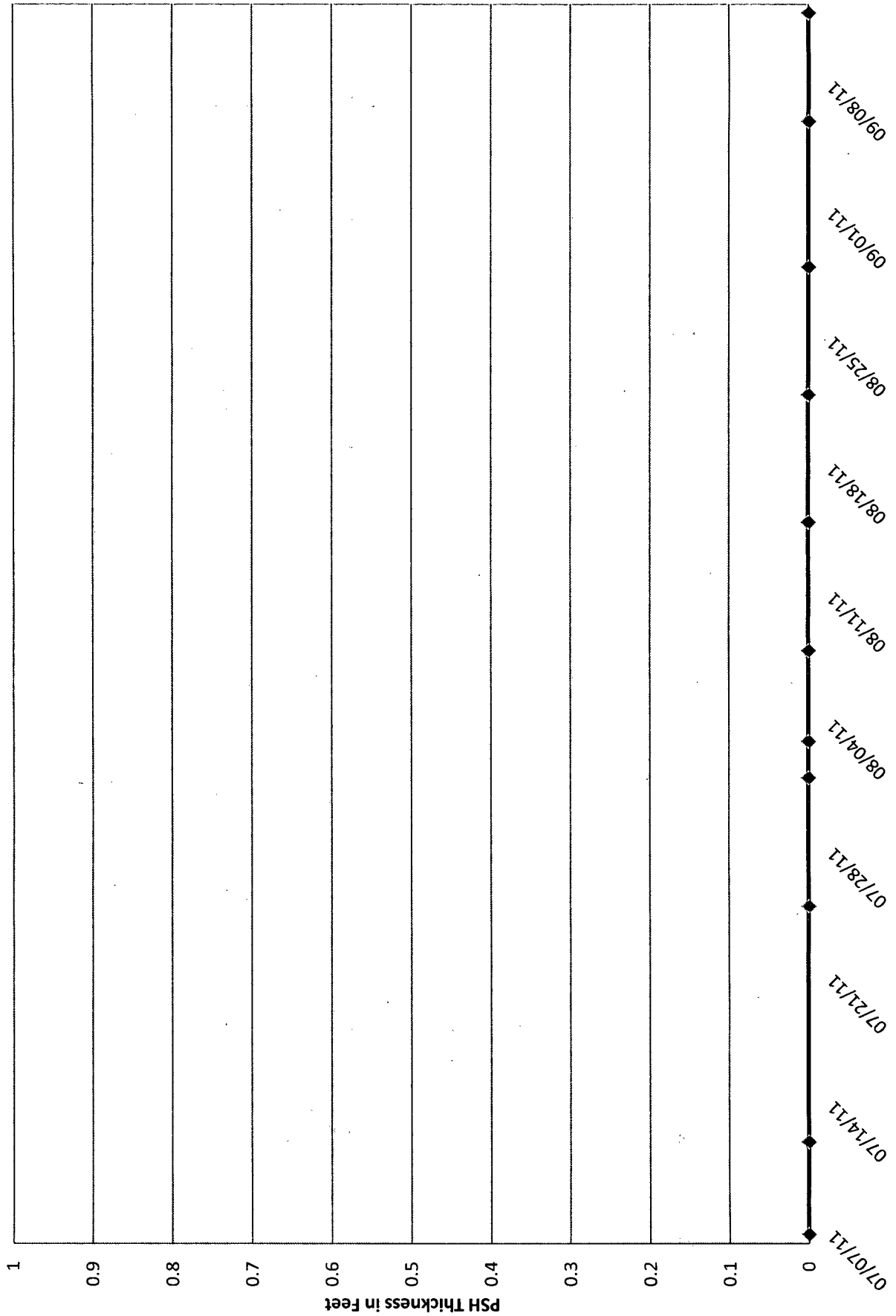
WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS (Feet)	CORRECTED GROUNDWATER ELEVATION	OIL RECOVERED (Gallons)	WATER RECOVERED (Gallons)
MW - 7	09/12/11	3521.02	-	28.33	0.00	3492.69		10
MW - 7	09/06/11	3521.02	-	28.28	0.00	3492.74		10
		TOTAL VOLUME OF PSH AND WATER RECOVERED - SEPTEMBER 2011						
MW - 8	09/06/11	3519.78	26.39	26.89	0.50	3493.32	0.25	10
MW - 8	09/12/11	3519.78	26.26	26.95	0.69	3493.42	0.25	10
		TOTAL VOLUME OF PSH AND WATER RECOVERED - SEPTEMBER 2011						
RW - 1	09/06/11	3519.68	26.49	26.85	0.36	3493.14	1.00	20
RW - 1	09/12/11	3519.68	26.48	26.86	0.38	3493.14	1.25	20
		TOTAL VOLUME OF PSH AND WATER RECOVERED - SEPTEMBER 2011						
RW - 2	09/06/11	3520.24	27.70	27.78	0.08	3492.53	0.50	20
RW - 2	09/12/11	3520.24	27.71	27.80	0.09	3492.52	0.50	20
		TOTAL VOLUME OF PSH AND WATER RECOVERED - SEPTEMBER 2011						
							1.00	40.00

CUMULATIVE TOTAL OF PSH RECOVERED - SEPTEMBER 2011 (Gallons)

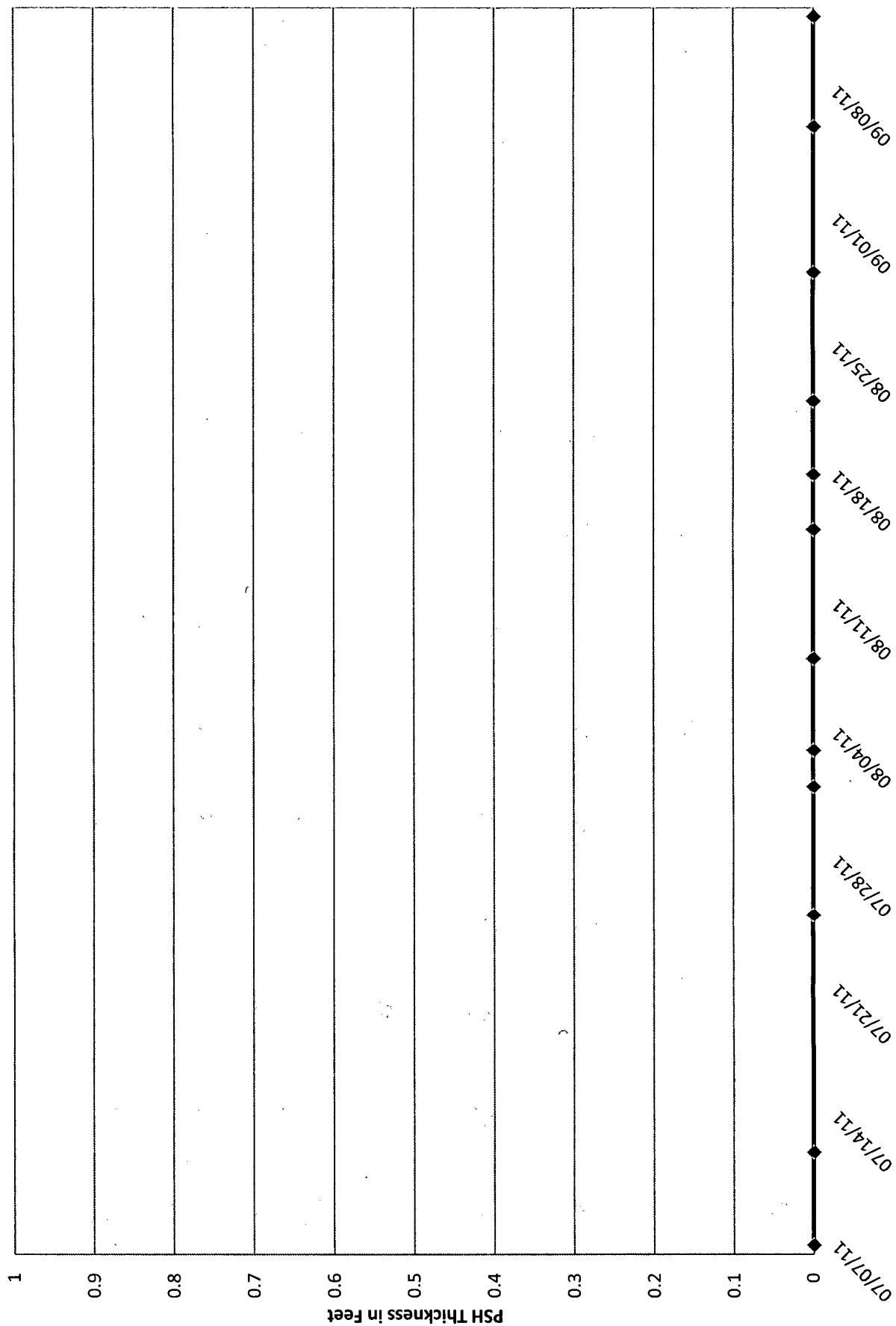
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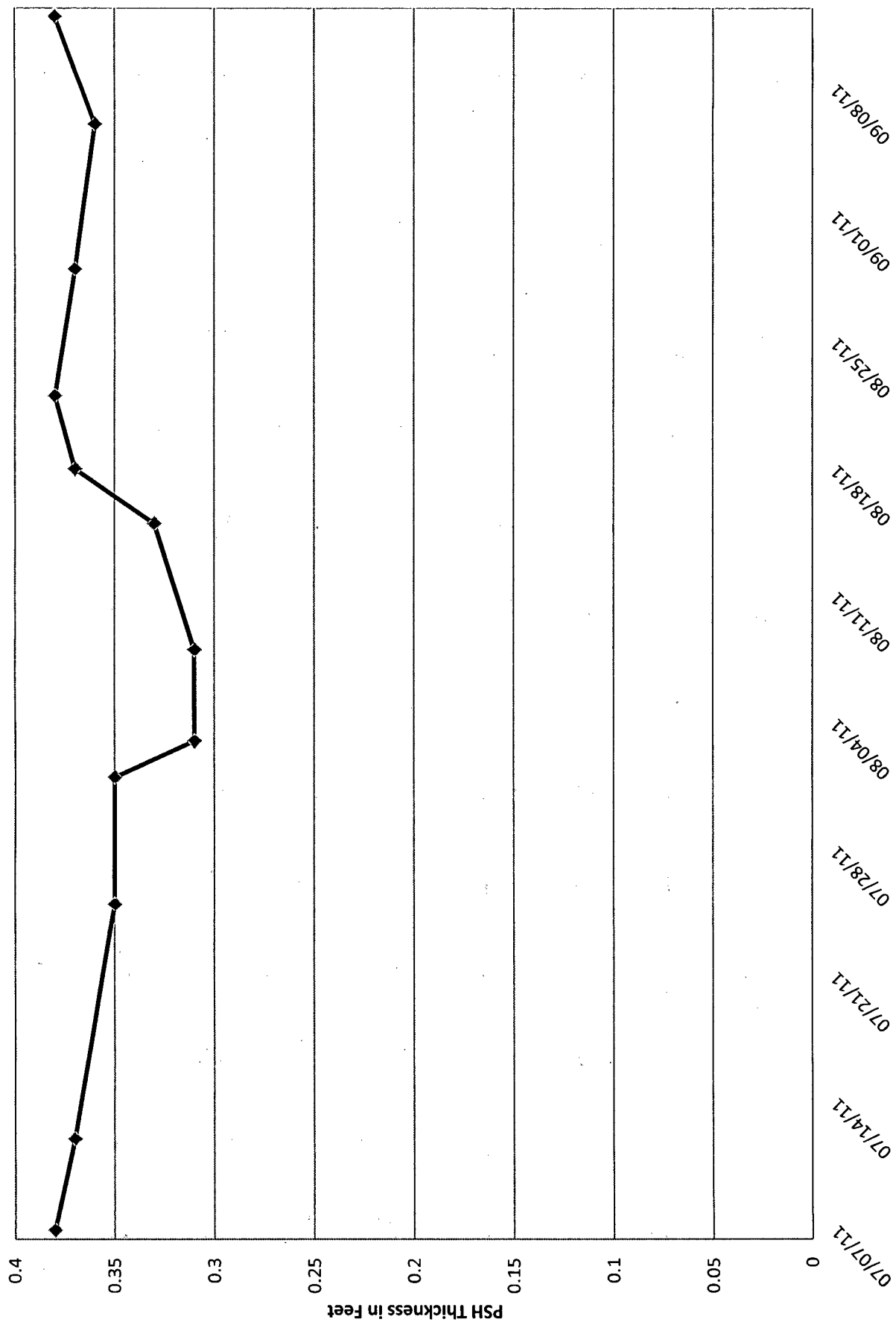
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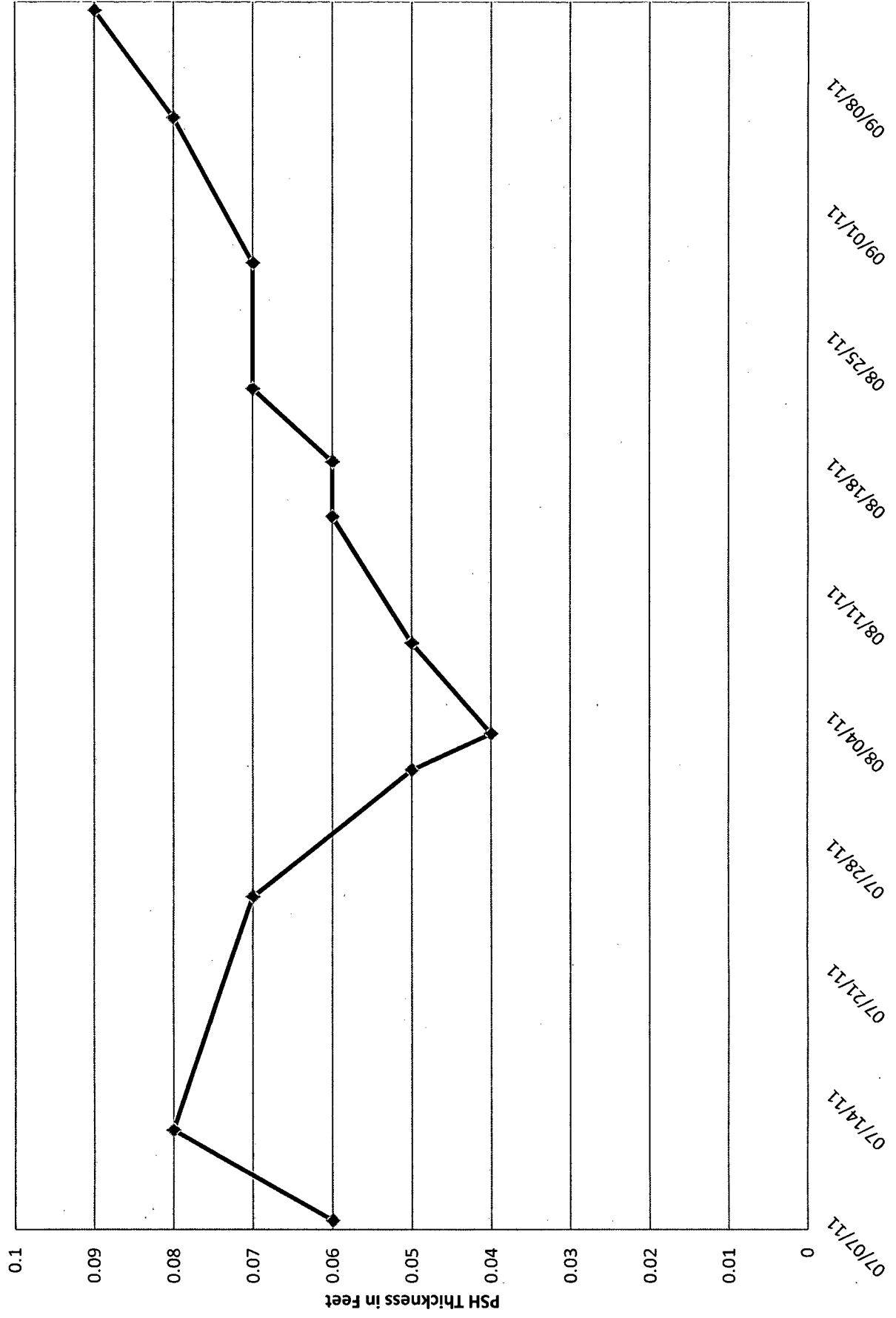
MW-8



RW-1



RW-2





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2011 AUG -1 P 12: 00

July 26, 2011

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 - Second Quarter 2011
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 second quarter of 2011.

Remediation Activities

Manual PSH recovery was conducted on monitor wells MW-7 and MW-8 in conjunction with the solar recovery efforts conducted in Recovery wells RW-1 and RW-2. Monitor wells MW-7 and MW-8 did not exhibit a PSH sheen during the 2nd quarter of 2011.

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 0.34 feet and approximately 17.5 gallons (0.42 barrels) of PSH was recovered during the 2nd quarter of 2011. PSH thicknesses in RW-2 averaged approximately 0.07 feet, and approximately 7.25 gallons (0.17 barrels) of PSH was recovered during the 2nd quarter of 2011. The monthly recovery for the site averaged approximately 8.25 gallons (0.20 barrels) per month during the 2nd quarter. A summary of the historical gauging and recovery data is presented Table 1. Chart 1 through Chart 3 demonstrates the PSH thicknesses in MW-7, MW-8, RW-1 and RW-2 during the 2nd quarter of 2011.

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,



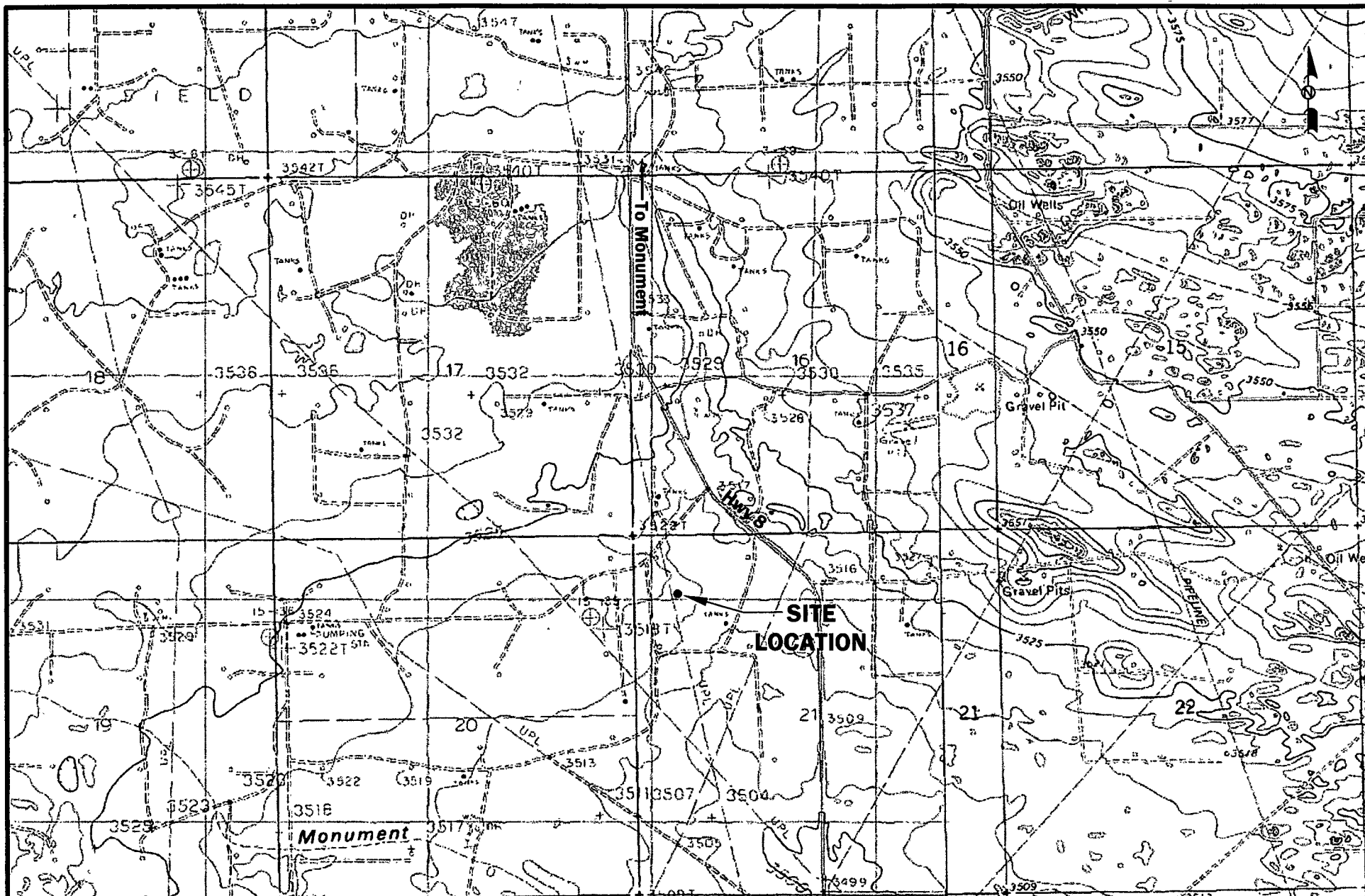
Ronald K. Rounsaville
Senior Project Manager
NOVA Safety and Environmental

Attachments:

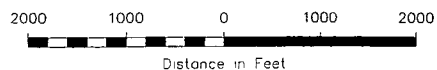
Figure 1 – Site Location Map
Figure 2 – Inferred Groundwater Gradient Map
Figure 3 – Groundwater Concentration and Inferred PSH Extent Map
Table 1 – Monthly PSH Recovery Data – April, May, June 2011
Chart 1 – PSH Thickness MW-7
Chart 2 – PSH Thickness MW-8
Chart 3 – PSH Thickness RW-1
Chart 4 – PSH Thickness RW-2

CC:

Geoffrey R. Leking, NMOCD, Hobbs, NM
Jeff Dann, Plains Marketing, L.P., Houston, Texas
Jason Henry, Plains Marketing, L.P., Denver City, Texas



LEGEND:



NMOCD Reference #1R-420

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

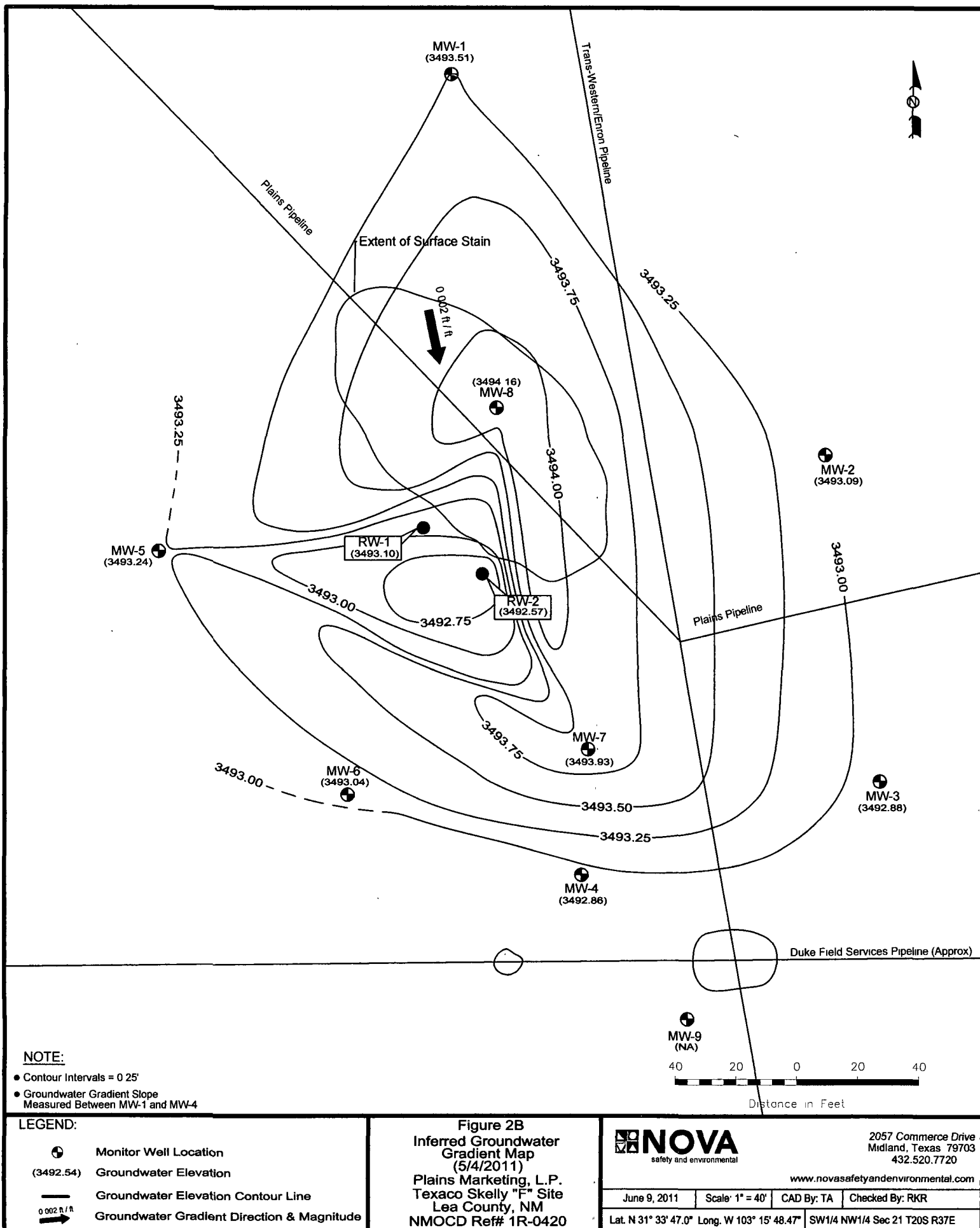


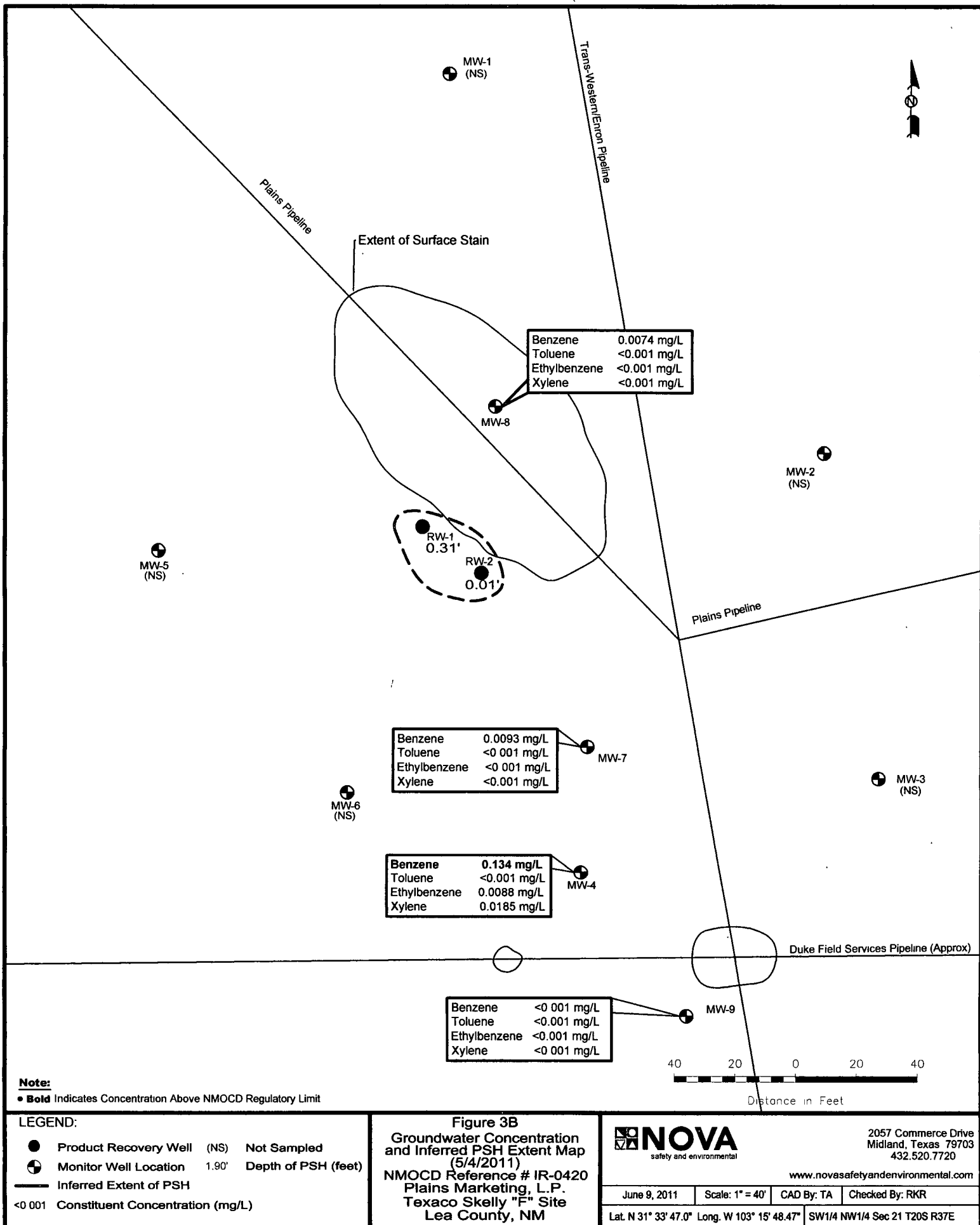
2057 Commerce Drive
 Midland, Texas 79703
 432.520 7720

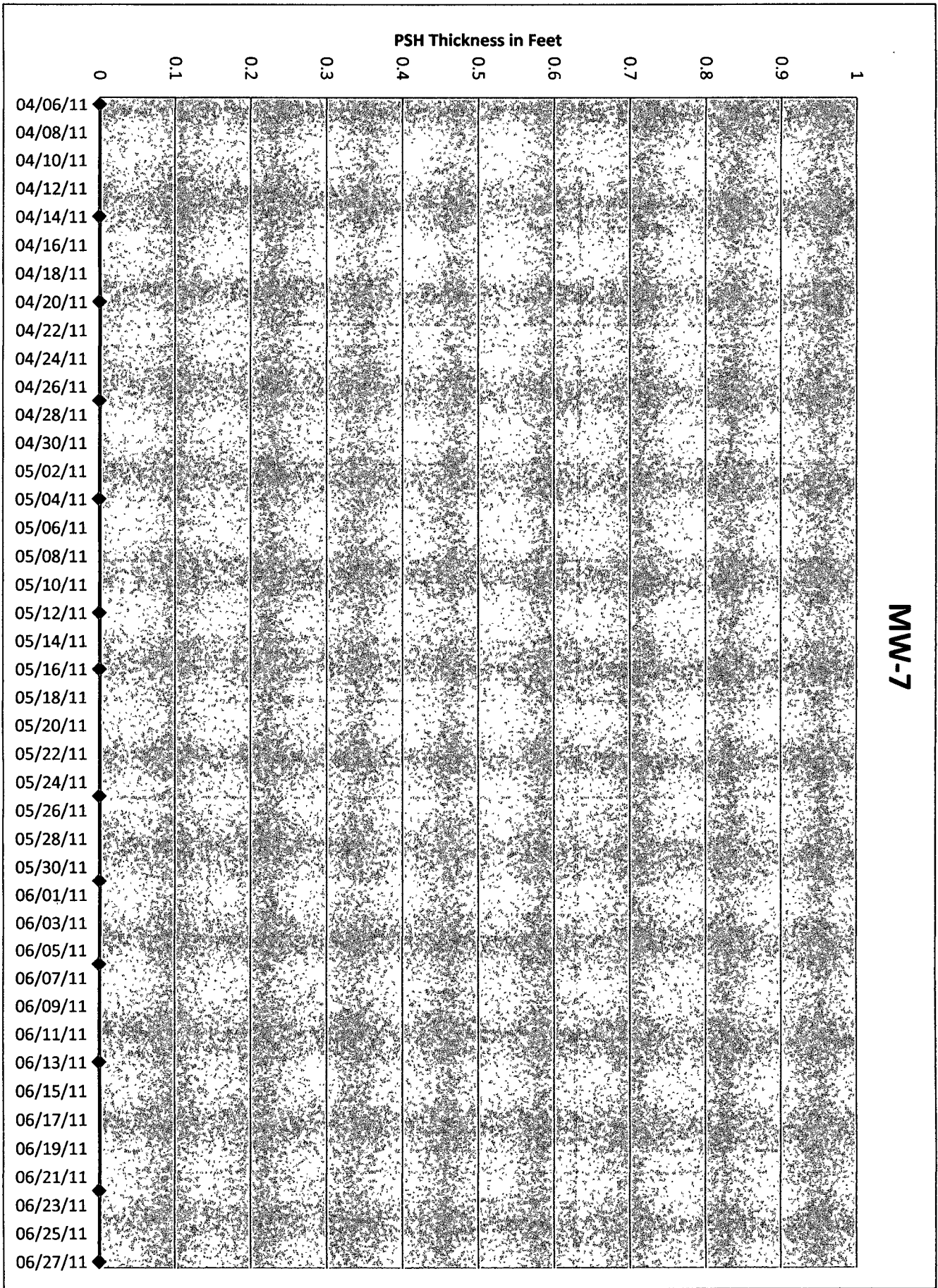
www.novasafetyandenvironmental.com

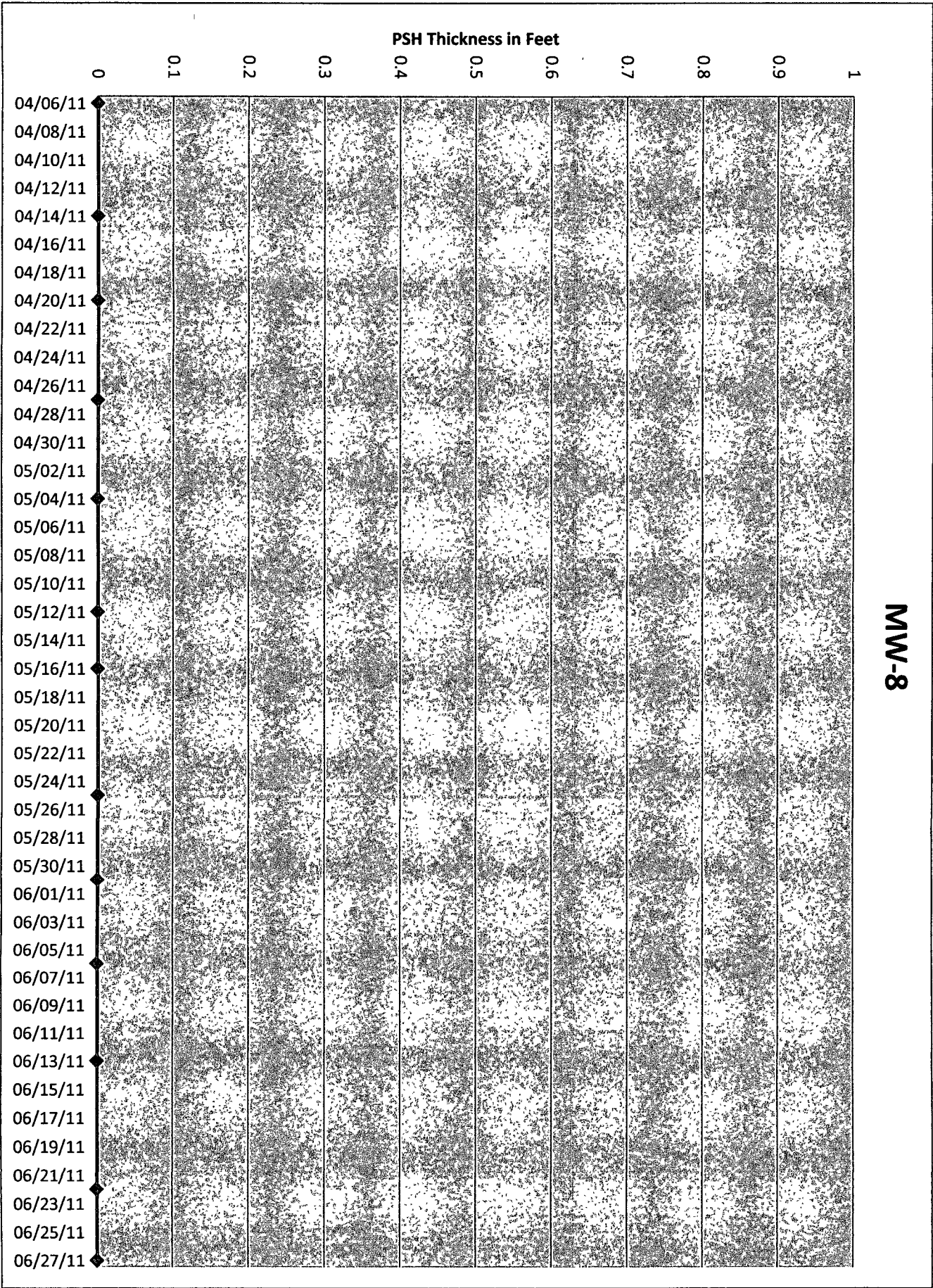
March 3, 2011 Scale: 1" = 2000' CAD By: TA Checked By: RKR

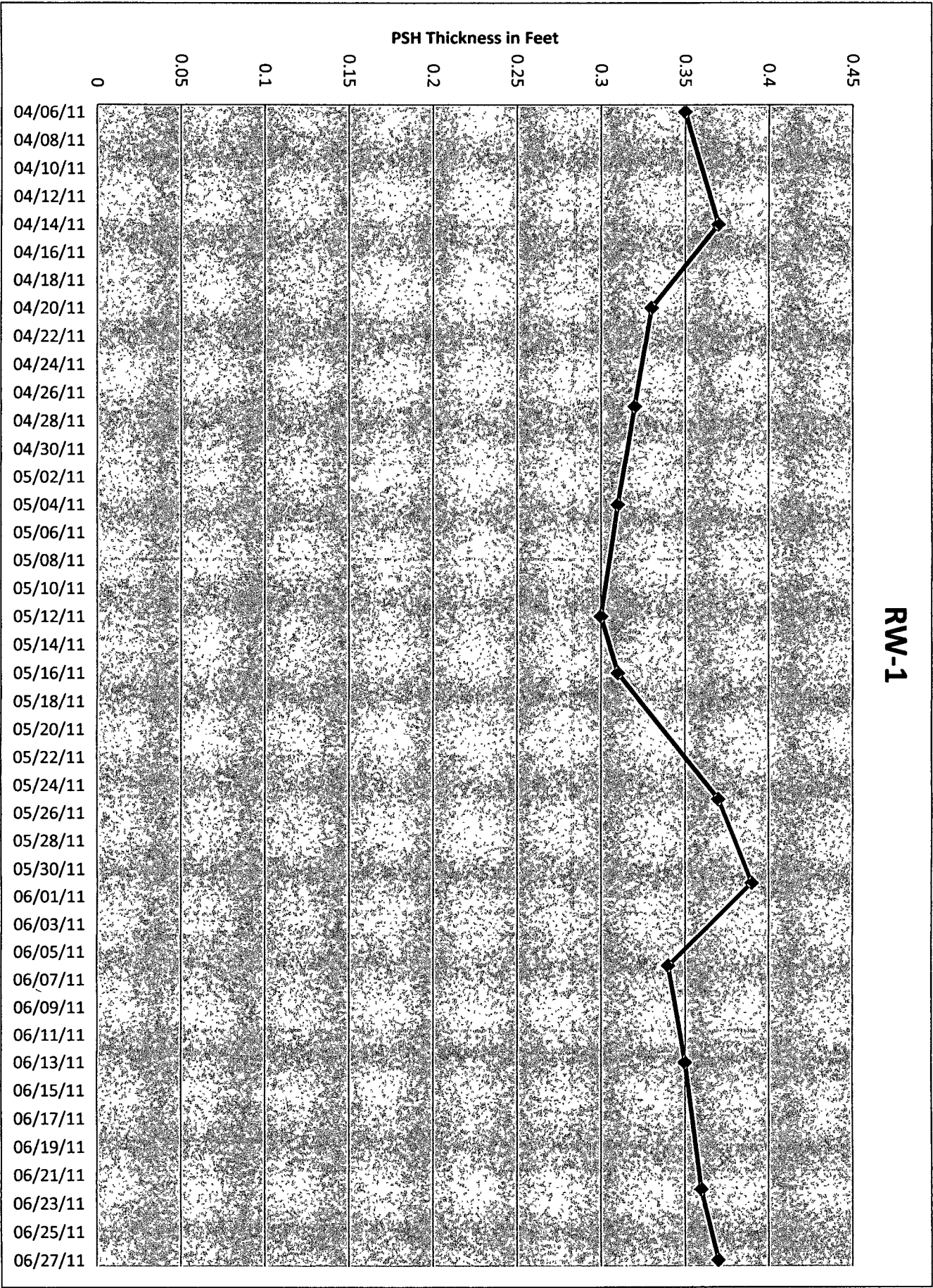
LATITUDE & LONGITUDE COORDINATES: N 32° 33' 47.00" W 103° 15' 48.47"

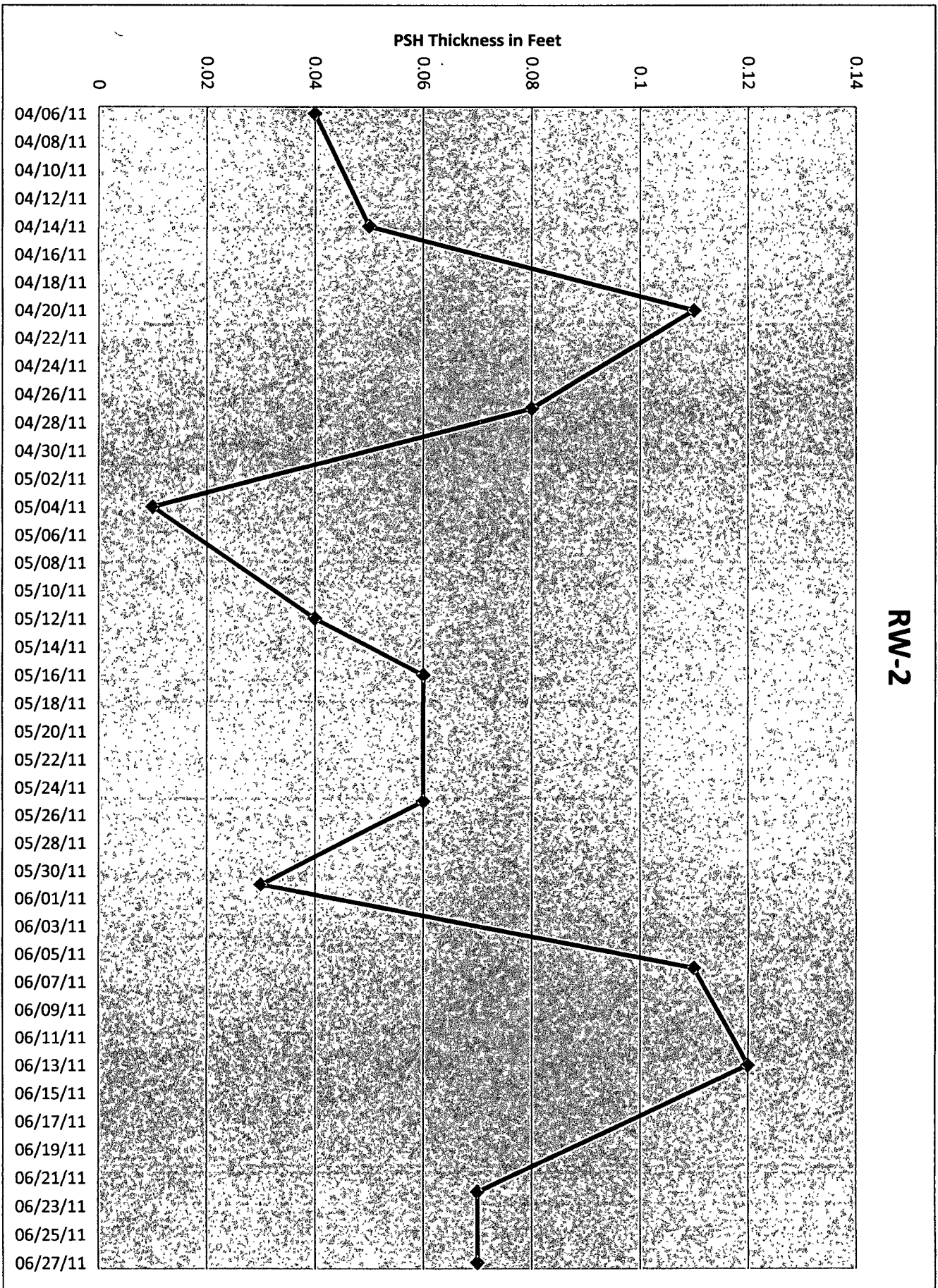












RW-2

MONTHLY PSH RECOVERY DATA - APRIL 2011

**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 - 7	04/06/11	3521.02	-	27.29	0.00	3493.73	0.00	5
MW - 7	04/14/11	3521.02	-	27.30	0.00	3493.72	0.00	5
MW - 7	04/20/11	3521.02	-	27.17	0.00	3493.85	0.00	5
MW - 7	04/27/11	3521.02	-	27.12	0.00	3493.90	0.00	5
TOTAL VOLUME OF PSH AND WATER RECOVERED - APRIL 2011							0.00	20.00
MW - 8	04/06/11	3519.78	-	25.67	0.00	3494.11	0.00	5
MW - 8	04/14/11	3519.78	-	25.65	0.00	3494.13	0.00	5
MW - 8	04/20/11	3519.78	-	25.67	0.00	3494.11	0.00	5
MW - 8	04/27/11	3519.78	-	25.63	0.00	3494.15	0.00	5
TOTAL VOLUME OF PSH AND WATER RECOVERED - APRIL 2011							0.00	20.00
RW - 1	04/06/11	3519.68	26.28	26.63	0.35	3493.35	1.50	15
RW - 1	04/14/11	3519.68	26.30	26.67	0.37	3493.32	1.50	15
RW - 1	04/20/11	3519.68	26.27	26.60	0.33	3493.36	1.50	15
RW - 1	04/27/11	3519.68	26.29	26.61	0.32	3493.34	1.50	15
TOTAL VOLUME OF PSH AND WATER RECOVERED - APRIL 2011							6.00	60.00
RW - 2	04/06/11	3520.24	27.55	27.59	0.04	3492.68	0.75	10
RW - 2	04/14/11	3520.24	27.57	27.62	0.05	3492.66	0.50	10
RW - 2	04/20/11	3520.24	27.60	27.71	0.11	3492.62	0.75	15
RW - 2	04/27/11	3520.24	27.61	27.69	0.08	3492.62	0.50	15
TOTAL VOLUME OF PSH AND WATER RECOVERED - APRIL 2011							2.50	50.00

CUMULATIVE TOTAL OF PSH RECOVERED - APRIL 2011 (Gallons)

8.50	150.00
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MONTHLY PSH RECOVERY DATA - MAY 2011

**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 - 7	05/04/11	3521.02	-	27.09	0.00	3493.93		
MW - 7	05/12/11	3521.02	-	27.09	0.00	3493.93	0.00	10
MW - 7	05/16/11	3521.02	-	27.13	0.00	3493.89	0.00	10
MW - 7	05/25/11	3521.02	-	27.24	0.00	3493.78	0.00	10
MW - 7	05/31/11	3521.02	-	27.35	0.00	3493.67	0.00	10
TOTAL VOLUME OF PSH AND WATER RECOVERED - MAY 2011							0.00	30.00
MW - 8	05/04/11	3519.78	-	25.62	0.00	3494.16		
MW - 8	05/12/11	3519.78	-	25.57	0.00	3494.21	0.00	10
MW - 8	05/16/11	3519.78	-	25.52	0.00	3494.26	0.00	10
MW - 8	05/25/11	3519.78	-	25.74	0.00	3494.04	0.00	10
MW - 8	05/31/11	3519.78	-	25.83	0.00	3493.95	0.00	10
TOTAL VOLUME OF PSH AND WATER RECOVERED - MAY 2011							0.00	30.00
RW - 1	05/04/11	3519.68	26.53	26.84	0.31	3493.10		
RW - 1	05/12/11	3519.68	26.50	26.80	0.30	3493.14	1.25	10
RW - 1	05/16/11	3519.68	26.54	26.85	0.31	3493.09	1.25	10
RW - 1	05/25/11	3519.68	26.52	26.89	0.37	3493.10	1.50	15
RW - 1	05/31/11	3519.68	26.53	26.92	0.39	3493.09	1.50	15
TOTAL VOLUME OF PSH AND WATER RECOVERED - MAY 2011							5.50	50.00
RW - 2	05/04/11	3520.24	27.67	27.68	0.01	3492.57		
RW - 2	05/12/11	3520.24	27.64	27.68	0.04	3492.59	0.25	10
RW - 2	05/16/11	3520.24	27.66	27.72	0.06	3492.57	0.50	10
RW - 2	05/25/11	3520.24	27.67	27.73	0.06	3492.56	0.50	15
RW - 2	05/31/11	3520.24	27.69	27.72	0.03	3492.55	0.25	10
TOTAL VOLUME OF PSH AND WATER RECOVERED - MAY 2011							1.25	35.00

CUMULATIVE TOTAL OF PSH RECOVERED - MAY 2011 (Gallons)

6.75	145.00
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TABLE 1
MONTHLY PSH RECOVERY DATA - JUNE 2011

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 - 7	06/06/11	3521.02	-	27.40	0.00	3493.62	0.00	10
MW - 7	06/13/11	3521.02	-	27.48	0.00	3493.54	0.00	10
MW - 7	06/22/11	3521.02	-	27.07	0.00	3493.95	0.00	10
MW - 7	06/27/11	3521.02	-	27.58	0.00	3493.44	0.00	10
TOTAL VOLUME OF PSH AND WATER RECOVERED - JUNE 2011							0.00	40.00
MW - 8	06/06/11	3519.78	-	25.89	0.00	3493.89	0.00	10
MW - 8	06/13/11	3519.78	-	25.92	0.00	3493.86	0.00	10
MW - 8	06/22/11	3519.78	-	25.63	0.00	3494.15	0.00	10
MW - 8	06/27/11	3519.78	-	25.99	0.00	3493.79	0.00	10
TOTAL VOLUME OF PSH AND WATER RECOVERED - JUNE 2011							0.00	40.00
RW - 1	06/06/11	3519.68	26.49	26.83	0.34	3493.14	1.50	15
RW - 1	06/13/11	3519.68	26.48	26.83	0.35	3493.15	1.50	15
RW - 1	06/22/11	3519.68	26.51	26.87	0.36	3493.12	1.50	20
RW - 1	06/27/11	3519.68	26.50	26.87	0.37	3493.12	1.50	15
TOTAL VOLUME OF PSH AND WATER RECOVERED - JUNE 2011							6.00	65.00
RW - 2	06/06/11	3520.24	27.66	27.77	0.11	3492.56	1.00	10
RW - 2	06/13/11	3520.24	27.68	27.80	0.12	3492.54	1.00	15
RW - 2	06/22/11	3520.24	27.67	27.74	0.07	3492.56	1.00	20
RW - 2	06/27/11	3520.24	27.65	27.72	0.07	3492.58	0.50	15
TOTAL VOLUME OF PSH AND WATER RECOVERED - JUNE 2011							3.50	60.00

CUMULATIVE TOTAL OF PSH RECOVERED - JUNE 2011 (Gallons)

9.50	205.00
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RECEIVED OCD
2011 MAY -9 P 12: 24

April 18, 2011

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 - First Quarter 2011
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 first quarter of 2011.

Remediation Activities

Manual PSH recovery was conducted on monitor wells MW-7 and MW-8 in conjunction with the solar recovery efforts conducted in Recovery wells RW-1 and RW-2. Monitor wells MW-7 and MW-8 did not exhibit a PSH sheen during the 1st quarter of 2011.

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 0.36 feet and approximately 19 gallons (0.45 barrels) of PSH was recovered during the 1st quarter of 2011. PSH thicknesses in RW-2 averaged approximately 0.10 feet, and approximately 12 gallons (0.28 barrels) of PSH was recovered during the 1st quarter of 2011. The monthly recovery for the site averaged approximately 10.25 gallons (0.24 barrels) per month during the 1st quarter. A summary of the historical gauging and recovery data is presented Table 1. Chart 1 through Chart 3 demonstrates the PSH thicknesses in MW-7, MW-8, RW-1 and RW-2 during the 1st quarter of 2011.

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,



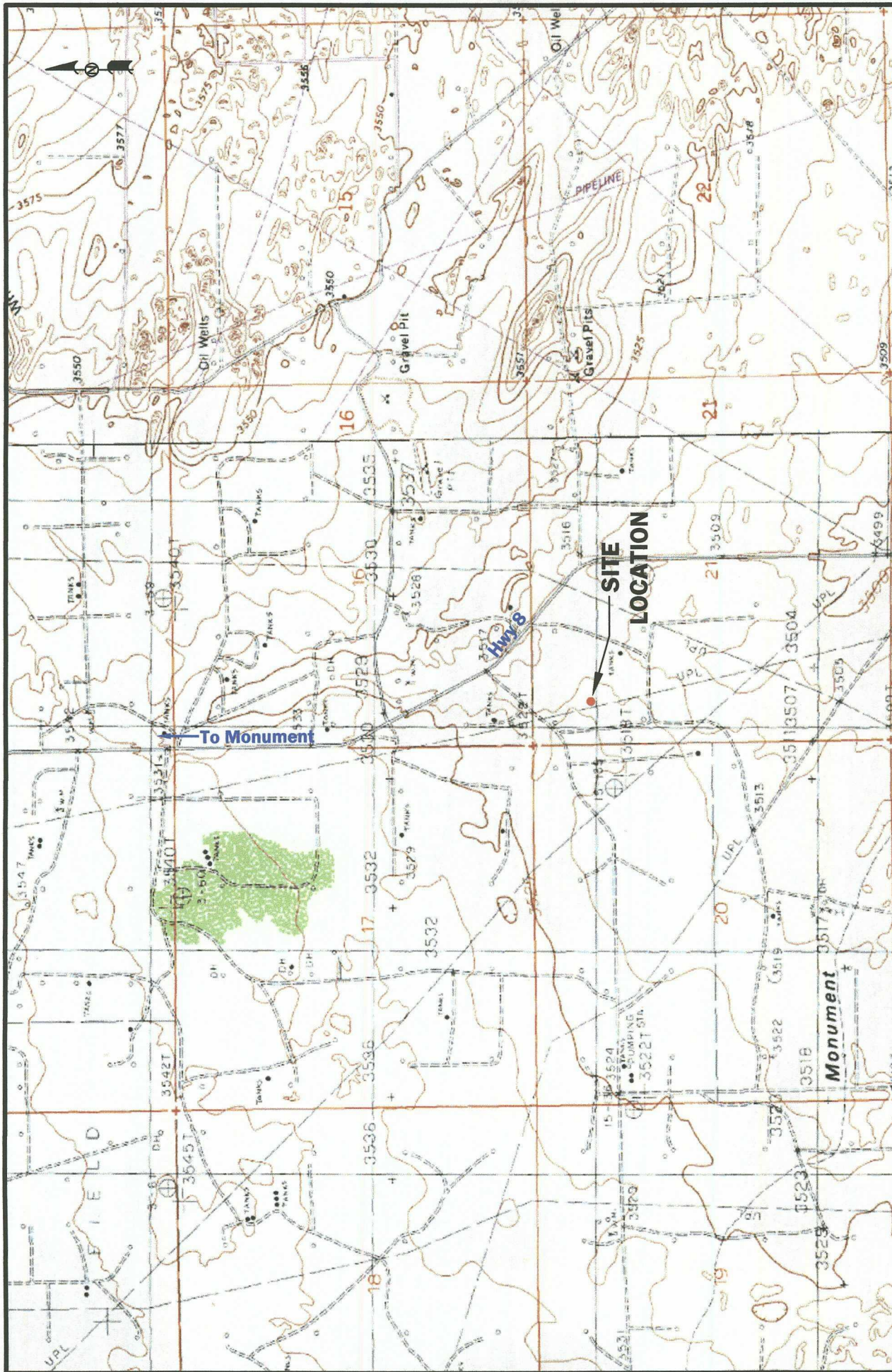
Ronald K. Rounsaville
Senior Project Manager
NOVA Safety and Environmental

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 – January, February, March 2011
Chart 1 – PSH Thickness MW-7
Chart 2 – PSH Thickness MW-8
Chart 3 – PSH Thickness RW-1
Chart 4 – PSH Thickness RW-2

CC:

Geoffrey R. Leking, NMOCD, Hobbs, NM
Jeff Dann, Plains Marketing, L.P., Houston, Texas
Jason Henry, Plains Marketing, L.P., Denver City, Texas



LEGEND:



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

NMOC Reference #1R-420

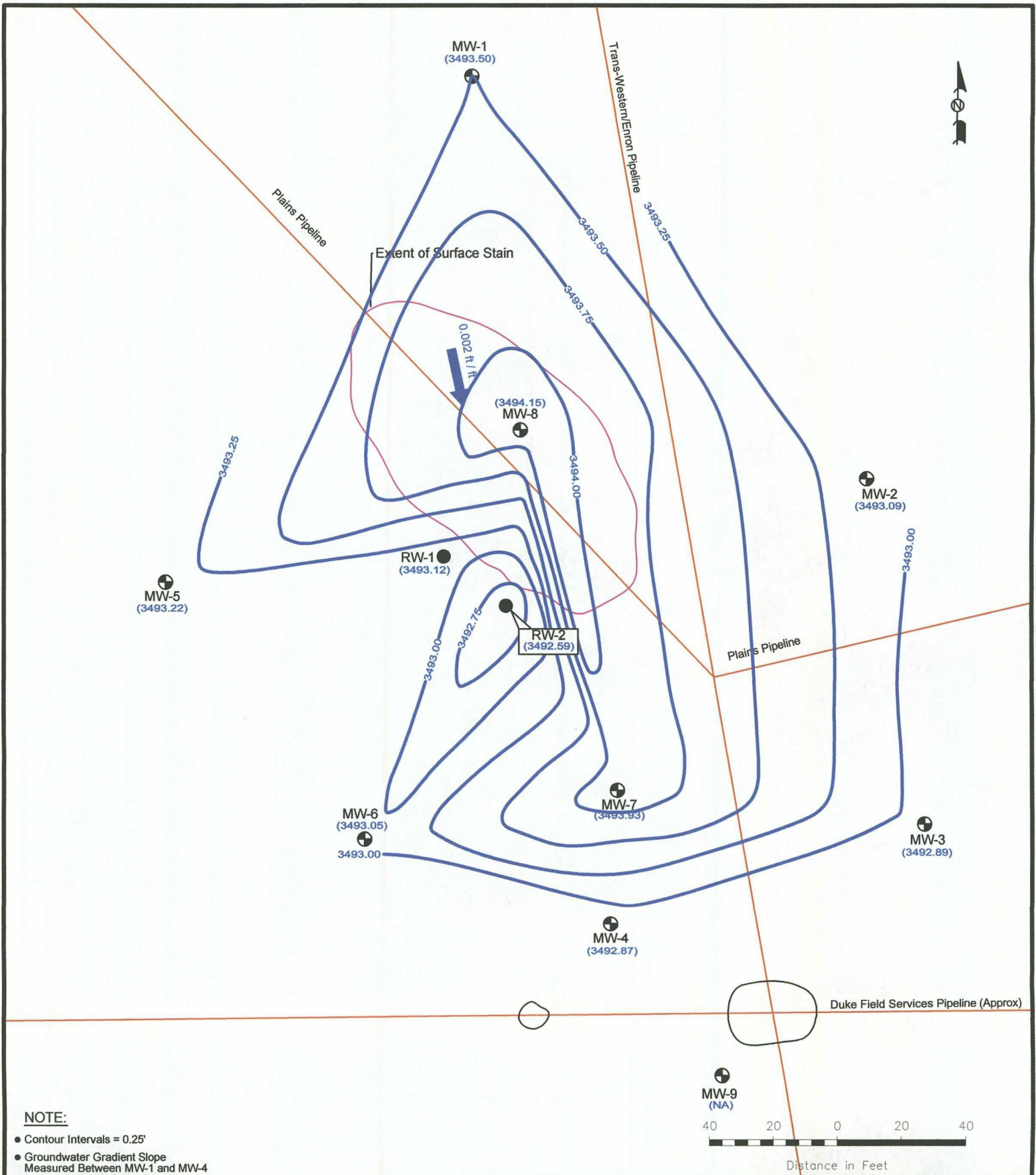


2057 Commerce Drive
 Midland, Texas 79703
 432.520.7720

www.novasafetyandenvironmental.com

March 3, 2011 Scale: 1" = 2000' CAD By: TA Checked By: RKR

LATITUDE & LONGITUDE COORDINATES: N 32° 33' 47.00" W 103° 15' 48.47"



NOTE:

- Contour Intervals = 0.25'
- Groundwater Gradient Slope Measured Between MW-1 and MW-4

LEGEND:

- Monitor Well Location
- (3492.54) Groundwater Elevation
- Groundwater Elevation Contour Line
- Groundwater Gradient Direction & Magnitude

Figure 2A
Inferred Groundwater
Gradient Map
(2/10/11)
 Plains Marketing, L.P.
 Texaco Skelly "F" Site
 Lea County, NM
 NMOCD Ref# 1R-0420

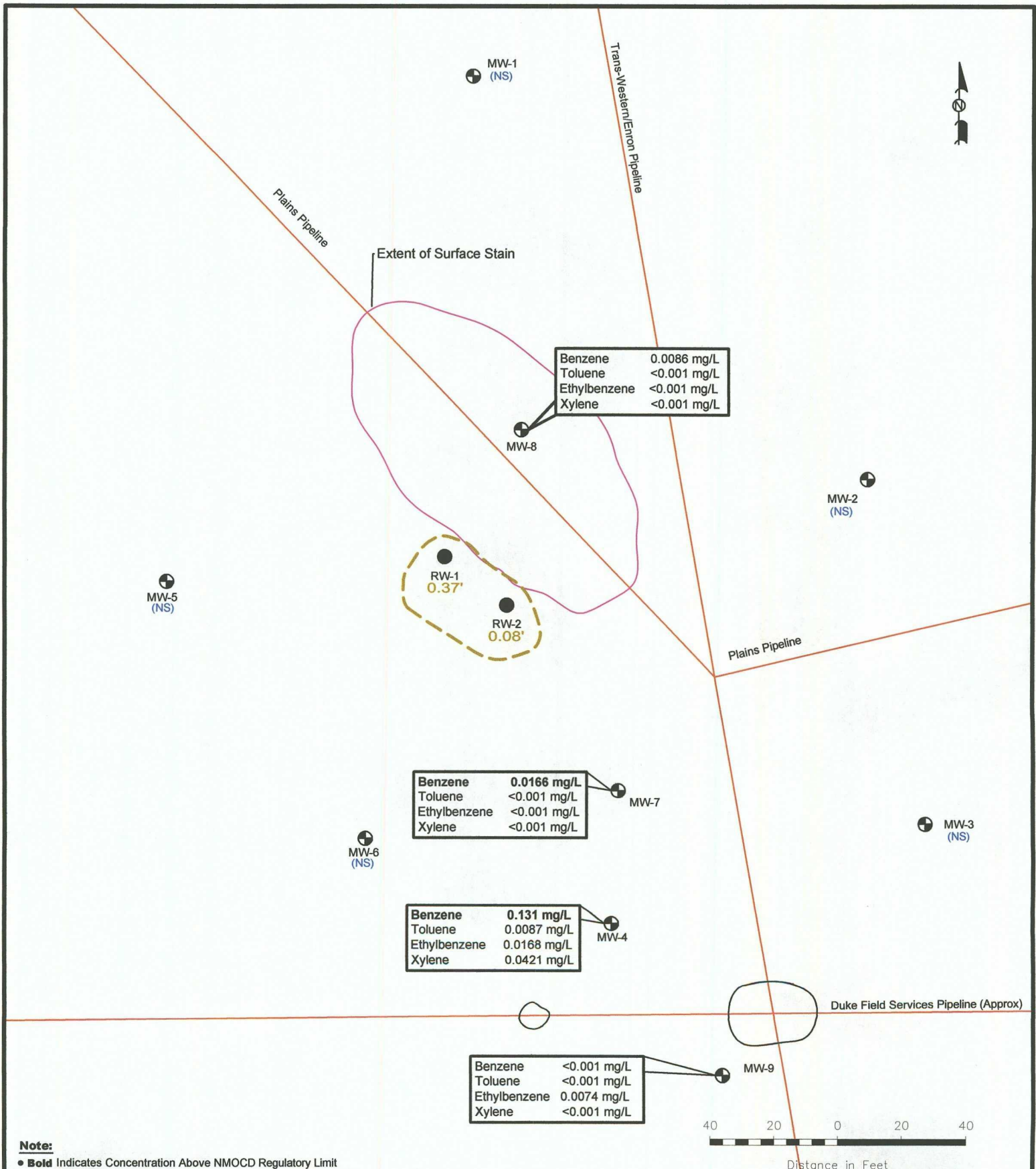


2057 Commerce Drive
 Midland, Texas 79703
 432.520.7720

www.novasafetyandenvironmental.com

April 19, 2011 Scale: 1" = 40' CAD By: TA Checked By: RKR

Lat. N 31° 33' 47.0" Long. W 103° 15' 48.47" SW1/4 NW1/4 Sec 21 T20S R37E



Note:

• **Bold** Indicates Concentration Above NMOC Regulatory Limit

LEGEND:

- Product Recovery Well (NS) Not Sampled
- ⊕ Monitor Well Location 1.90' Depth of PSH (feet)
- Inferred Extent of PSH
- <0.001 Constituent Concentration (mg/L)

Figure 3A
Groundwater Concentration and Inferred PSH Extent Map
(2/10/11)
NMOC Reference # IR-0420
Plains Marketing, L.P.
Texaco Skelly "F" Site
Lea County, NM



2057 Commerce Drive
 Midland, Texas 79703
 432.520.7720

www.novasafetyandenvironmental.com

April 4, 2011	Scale: 1" = 40'	CAD By: TA	Checked By: RKR
Lat. N 31° 33' 47.0" Long. W 103° 15' 48.47"		SW1/4 NW1/4 Sec 21 T20S R37E	

MONTHLY PSH RECOVERY DATA - JANUARY 2011

**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 - 7	01/04/11	3521.02	-	26.99	0.00	3494.03	0.00	5
MW - 7	01/12/11	3521.02	-	26.91	0.00	3494.11	0.00	5
MW - 7	01/20/11	3521.02	-	26.89	0.00	3494.13	0.00	5
MW - 7	01/27/11	3521.02	-	27.97	0.00	3493.05	0.00	5
TOTAL VOLUME OF PSH AND WATER RECOVERED - JANUARY 2011							0.00	20.00
MW - 8	01/04/11	3519.78	-	25.55	0.00	3494.23	0.00	5
MW - 8	01/12/11	3519.78	-	25.63	0.00	3494.15	0.00	5
MW - 8	01/20/11	3519.78	-	25.47	0.00	3494.31	0.00	5
MW - 8	01/27/11	3519.78	-	25.87	0.00	3493.91	0.00	5
TOTAL VOLUME OF PSH AND WATER RECOVERED - JANUARY 2011							0.00	20.00
RW - 1	01/04/11	3519.68	25.73	26.12	0.39	3493.89	1.75	15
RW - 1	01/12/11	3519.68	26.50	26.79	0.29	3493.14	1.25	20
RW - 1	01/20/11	3519.68	25.33	26.02	0.69	3494.25	2.50	25
RW - 1	01/27/11	3519.68	26.50	26.89	0.39	3493.12	1.00	20
TOTAL VOLUME OF PSH AND WATER RECOVERED - JANUARY 2011							6.50	80.00
RW - 2	01/04/11	3520.24	26.10	26.29	0.19	3494.11	1.25	15
RW - 2	01/12/11	3520.24	27.57	27.72	0.15	3492.65	1.00	15
RW - 2	01/20/11	3520.24	26.05	26.21	0.16	3494.17	1.00	10
RW - 2	01/27/11	3520.24	27.64	27.72	0.08	3492.59	0.75	15
TOTAL VOLUME OF PSH AND WATER RECOVERED - JANUARY 2011							4.00	55.00

CUMULATIVE TOTAL OF PSH RECOVERED - JANUARY 2011 (Gallons)

10.50

175.00

MONTHLY PSH RECOVERY DATA - FEBRUARY 2011

**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 - 7	02/02/11	3521.02	-	27.13	0.00	3493.89	0.00	5
MW - 7	02/10/11	3521.02	-	27.09	0.00	3493.93	0.00	5
MW - 7	02/17/11	3521.02	-	27.07	0.00	3493.95	0.00	5
MW - 7	02/23/11	3521.02	-	27.11	0.00	3493.91	0.00	5
TOTAL VOLUME OF PSH AND WATER RECOVERED - FEBRUARY 2011							0.00	20.00
MW - 8	02/02/11	3519.78	-	26.44	0.00	3493.34	0.00	5
MW - 8	02/10/11	3519.78	-	25.63	0.00	3494.15	0.00	5
MW - 8	02/17/11	3519.78	-	26.43	0.00	3493.35	0.00	5
MW - 8	02/23/11	3519.78	-	26.34	0.00	3493.44	0.00	5
TOTAL VOLUME OF PSH AND WATER RECOVERED - FEBRUARY 2011							0.00	20.00
RW - 1	02/02/11	3519.68	26.21	26.50	0.29	3493.43	1.25	15
RW - 1	02/10/11	3519.68	26.50	26.87	0.37	3493.12	1.50	20
RW - 1	02/17/11	3519.68	26.10	26.45	0.35	3493.53	1.25	15
RW - 1	02/23/11	3519.68	26.22	26.50	0.28	3493.42	1.50	10
TOTAL VOLUME OF PSH AND WATER RECOVERED - FEBRUARY 2011							5.50	60.00
RW - 2	02/02/11	3520.24	27.84	27.91	0.07	3492.39	0.75	10
RW - 2	02/10/11	3520.24	27.64	27.72	0.08	3492.59	0.75	5
RW - 2	02/17/11	3520.24	27.63	27.73	0.10	3492.60	1.00	7
RW - 2	02/23/11	3520.24	27.67	27.78	0.11	3492.55	1.00	13
TOTAL VOLUME OF PSH AND WATER RECOVERED - FEBRUARY 2011							3.50	35.00

CUMULATIVE TOTAL OF PSH RECOVERED - FEBRUARY 2011 (Gallons)

9.00	135.00
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TABLE 1
MONTHLY PSH RECOVERY DATA - MARCH 2011

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

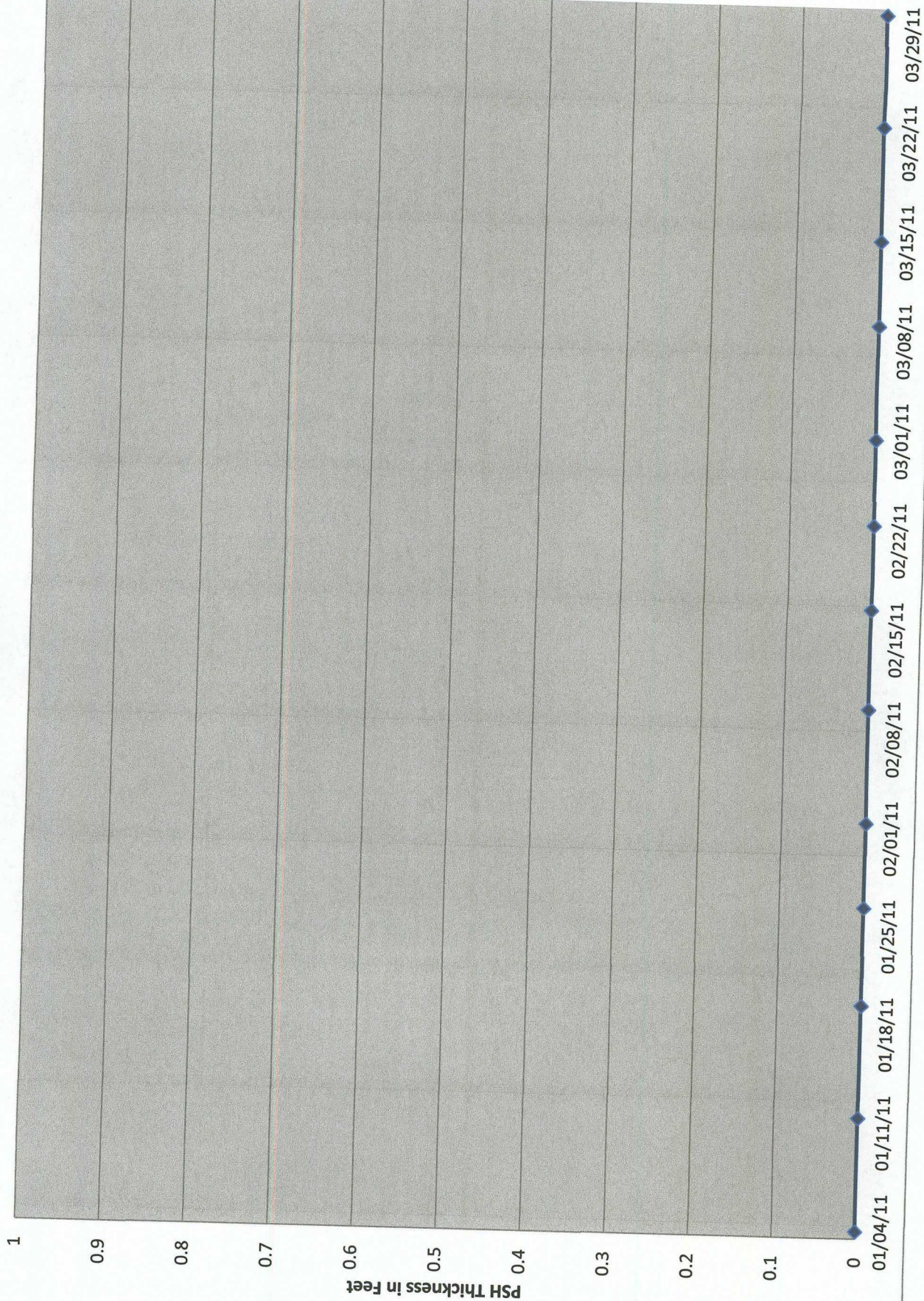
WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS (Feet)	CORRECTED GROUNDWATER ELEVATION	OIL RECOVERED (Gallons)	WATER RECOVERED (Gallons)
MW - 7	03/01/11	3521.02	-	27.66	0.00	3493.36	0.00	5
MW - 7	03/09/11	3521.02	-	27.61	0.00	3493.41	0.00	5
MW - 7	03/15/11	3521.02	-	27.58	0.00	3493.44	0.00	5
MW - 7	03/23/11	3521.02	-	27.42	0.00	3493.60	0.00	5
MW - 7	03/31/11	3521.02	-	27.34	0.00	3493.68	0.00	5
TOTAL VOLUME OF PSH AND WATER RECOVERED - MARCH 2011							0.00	25.00
MW-8	03/01/11	3519.78	-	26.17	0.00	3493.61	0.00	5
MW-8	03/09/11	3519.78	-	26.07	0.00	3493.71	0.00	5
MW-8	03/15/11	3519.78	-	25.91	0.00	3493.87	0.00	5
MW-8	03/23/11	3519.78	-	25.80	0.00	3493.98	0.00	5
MW-8	03/31/11	3519.78	-	25.69	0.00	3494.09	0.00	5
TOTAL VOLUME OF PSH AND WATER RECOVERED - MARCH 2011							0.00	25.00
RW - 1	03/01/11	3519.68	26.28	26.59	0.31	3493.35	1.50	20
RW - 1	03/09/11	3519.68	26.24	26.53	0.29	3493.40	1.50	15
RW - 1	03/15/11	3519.68	26.25	26.64	0.39	3493.37	1.00	10
RW - 1	03/23/11	3519.68	26.27	26.59	0.32	3493.36	1.50	25
RW - 1	03/31/11	3519.68	26.29	26.66	0.37	3493.33	1.50	15
TOTAL VOLUME OF PSH AND WATER RECOVERED - MARCH 2011							7.00	85.00
RW - 2	03/01/11	3520.24	27.61	27.71	0.10	3492.62	1.00	10
RW - 2	03/09/11	3520.24	27.64	27.68	0.04	3492.59	1.00	10
RW - 2	03/15/11	3520.24	27.53	27.65	0.12	3492.69	1.00	15
RW - 2	03/23/11	3520.24	27.57	27.60	0.03	3492.67	0.75	10
RW - 2	03/31/11	3520.24	27.54	27.59	0.05	3492.69	0.75	10
TOTAL VOLUME OF PSH AND WATER RECOVERED - MARCH 2011							4.50	55.00

CUMULATIVE TOTAL OF PSH RECOVERED - MARCH 2011 (Gallons)

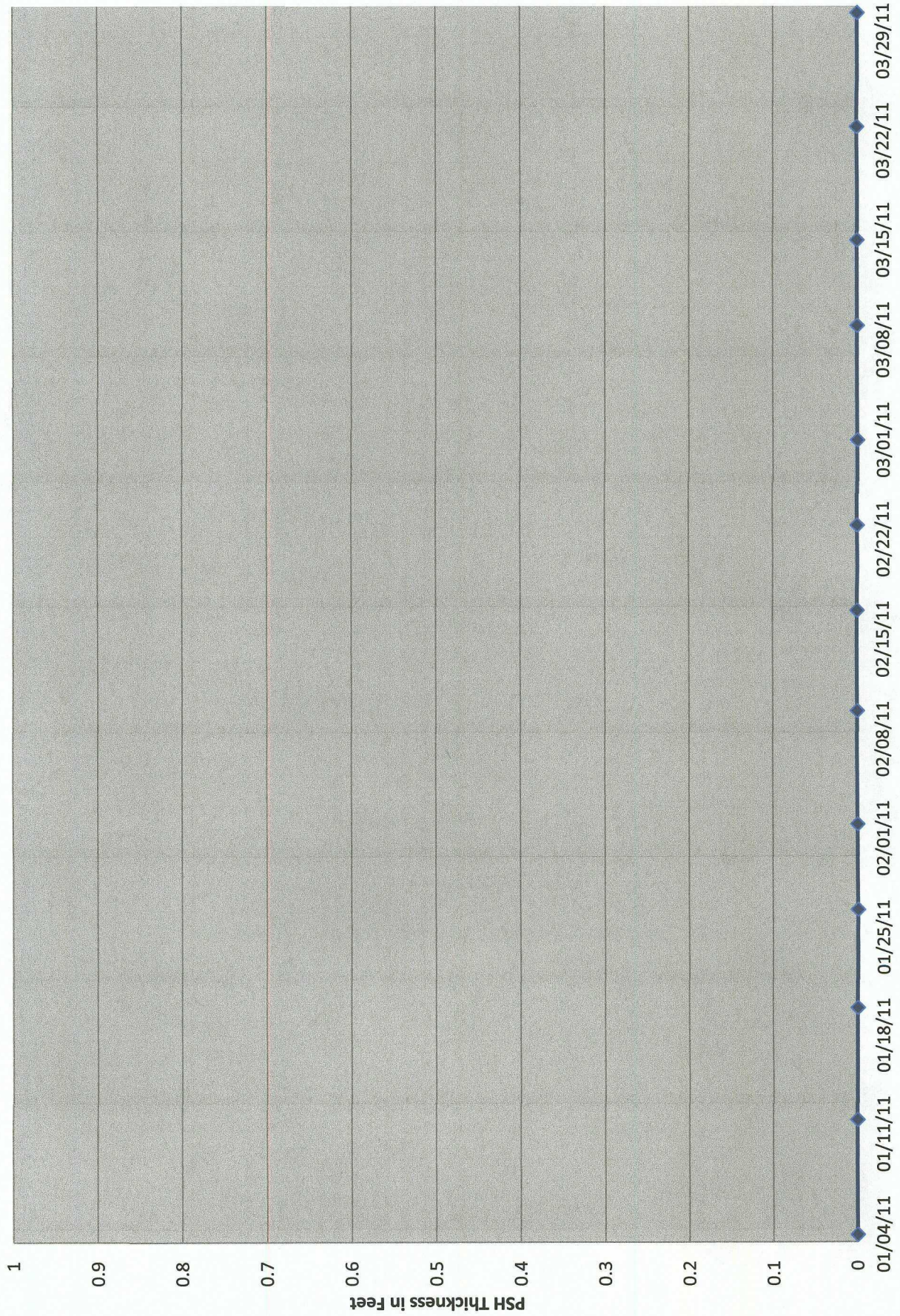
11.50

190.00

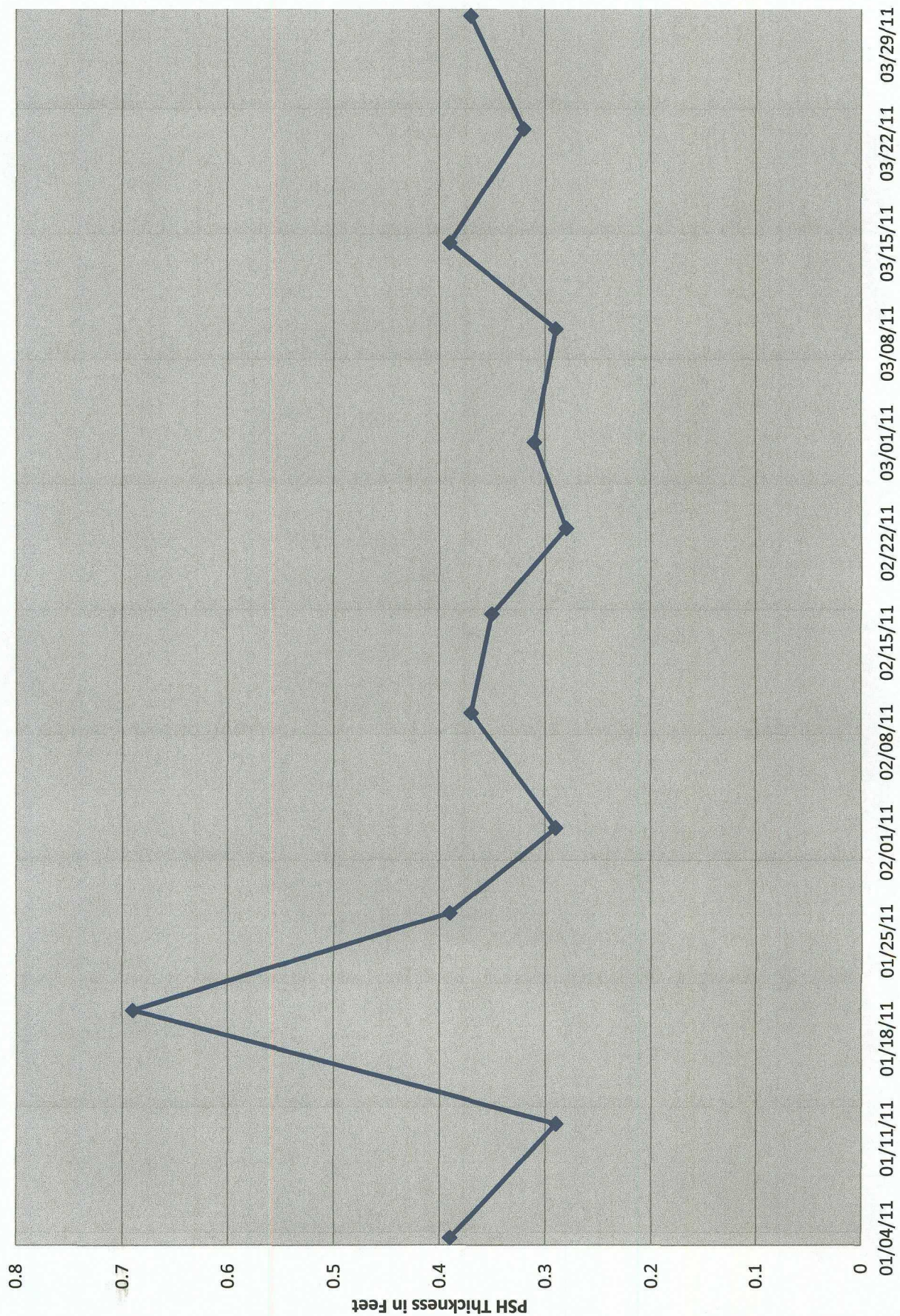
MW-7



MW-8



RW-1



RW-2

