



May 13, 2020

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By PSTB at 2:13 pm, May 14, 2020

Ms. Susan von Gonten, Project Manager
New Mexico Environment Department
Petroleum Storage Tank Bureau
2905 Rodeo Park Drive
Santa Fe, New Mexico 87505

**RE: Fourth Monthly NAPL Recovery Report,
Fairview Station Site, Española, New Mexico
Facility #28779 RID #4657 WPID #4096-4**

Dear Ms. von Gonten:

Souder, Miller & Associates (SMA) is pleased to submit the third monthly NAPL recovery report. This report is submitted in accordance with the workplan dated August 16, 2019 and approved by NMED PSTB on September 30, 2019.

On February 13, 2020, SMA performed the fourth monthly NAPL recovery. Sixteen monitoring wells were gauged for depth to NAPL and depth to water. Of these sixteen wells, six monitoring wells contained NAPL with apparent thicknesses ranging from 0.01 to 5.17 feet. One monitoring well (MW-30) was inaccessible.

After depth to NAPL/water measurements were recorded, NAPL was removed from the wells using an electric NAPL recovery pump and/or hand bailing. The depths to NAPL/water were measured after NAPL was recovered to an approximate minimum thickness. The amounts of NAPL recovered from the monitoring wells ranged from 0 to 5.25 gallons per well. The total amount of NAPL recovered from the six monitoring wells was 13.5 gallons. To date, approximately 331 gallons of NAPL have been removed from the site.

Overall, apparent NAPL thicknesses have decreased in the down-gradient side of the NAPL plume (MW-3 and MW-15) compared to the previous NAPL recovery events. Whereas, NAPL thicknesses increased somewhat in the northern portion of the NAPL plume (MW-8, MW-18, and MW-28).

Figure 1 depicts the apparent NAPL thicknesses and NAPL contours during the February 2020 event. Table 1 presents the initial depth to NAPL and water measurements. Table 2 depicts the NAPL thicknesses before and after recovery with the NAPL amounts recovered.

Ms. Susan von Gonten
May 13, 2020

If you have any questions, please do not hesitate to call me at 505-473-9211 or e-mail me at alan.eschenbacher@soudermiller.com.

Sincerely,
SOUDER, MILLER & ASSOCIATES



Alan Eschenbacher, P.G.
Senior Geoscientist

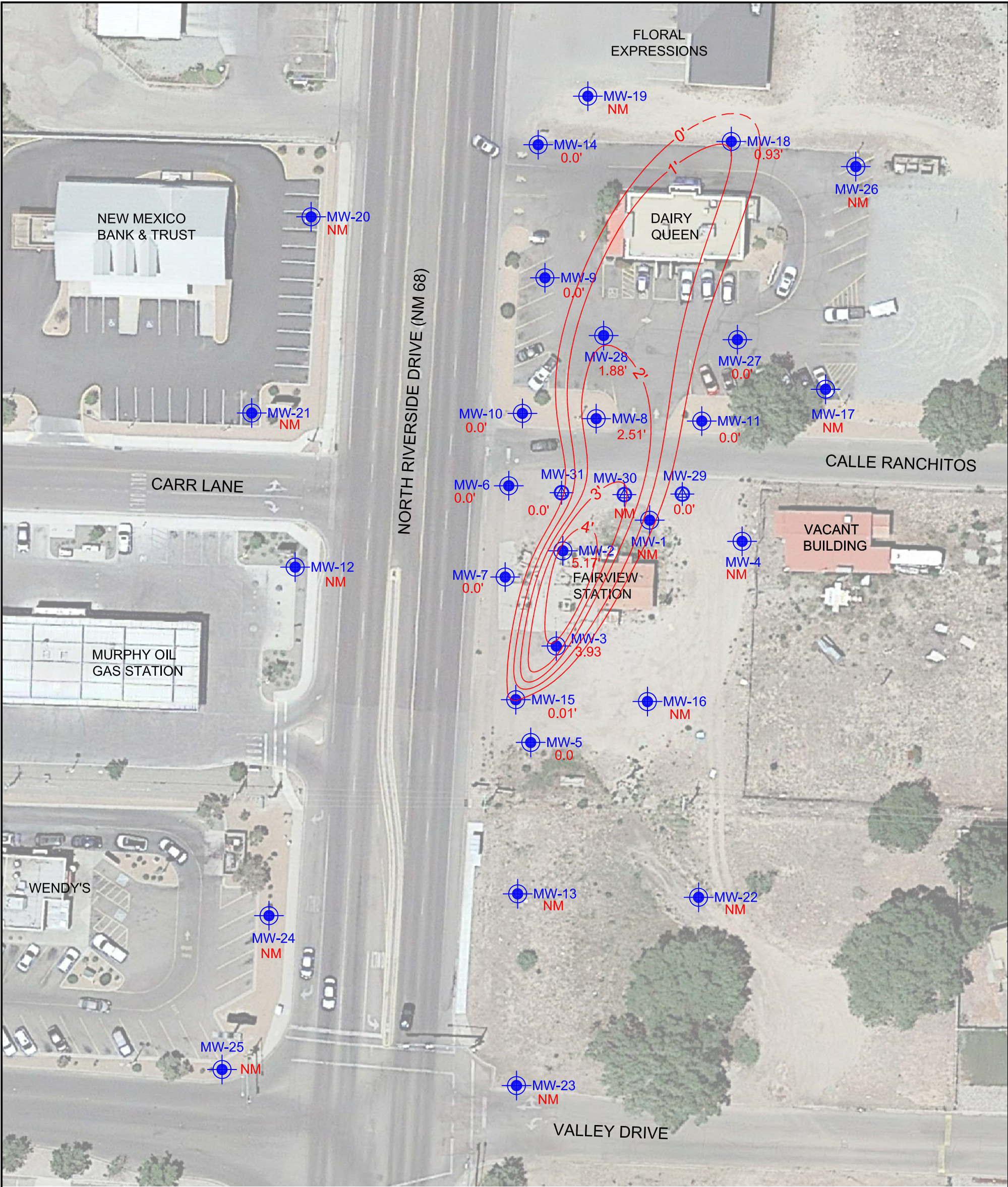
enclosures

Figure 1 – Non-Aqueous Phase Liquid Map – February 13, 2020

Table 1 – Summary of Fluid Gauging Data

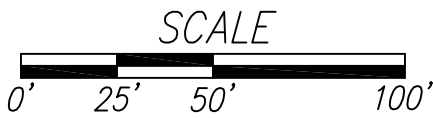
Table 2 – Summary of NAPL Recovery

Field Notes



LEGEND

- MW-7  2" MONITORING WELL
- MW-30  4" MONITORING WELL
- 2.89' NAPL THICKNESS IN FEET
- 3' NAPL THICKNESS CONTOUR IN FEET
- NM NOT MEASURED



SOUDER, MILLER & ASSOCIATES
2904 Rodeo Park Drive East, Bldg 100
Santa Fe, NM 87505
Phone (505) 473-9211 Toll-Free (800) 460-5366 Fax (505) 471-6675
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NON-AQUEOUS PHASE LIQUID MAP - FEBRUARY 13, 2020
FAIRVIEW STATION
ESPAÑOLA, NEW MEXICO

Designed AJE	Drawn AJE	Checked SAM
Date: FEBRUARY 2020		
Scale: Horiz: 1" = 50' Vert: N/A		
Project No:		
Sheet: Figure 1		

**TABLE 1. SUMMARY OF FLUID GAUGING DATA
FAIRVIEW STATION, ESPANOLA, NEW MEXICO**

Monitoring Well	Date	Casing Elevation	Depth to NAPL (feet)	NAPL Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
MW-1	02/27/13	5621.88	14.06	0.34	14.40	5607.74
	06/03/13		13.92	0.28	14.20	5607.89
	06/27/13		14.43	0.37	14.80	5607.36
	07/10/13		14.21	0.24	14.45	5607.61
	10/29/13		13.36	1.89	15.25	5608.05
	11/12/13		15.37	0.46	15.83	5606.40
	11/26/13		13.82	1.08	14.90	5607.79
	10/03/14		14.81	0.04	14.85	5607.06
	12/10/14		15.51	3.20	18.71	5605.57
	01/09/15		14.20	3.49	17.69	5606.81
	01/19/16		13.84	3.93	17.77	5607.06
	07/14/16		14.45	4.70	19.15	5606.26
	07/22/16		15.61	2.45	18.06	5605.66
	11/03/16		14.83	2.40	17.23	5606.45
	07/06/17		15.22	4.07	19.29	5605.64
	03/15/19		Well not found - possibly destroyed			
MW-2	02/27/13	5622.248	13.11	5.45	18.56	5607.78
	06/03/13		13.42	3.97	17.39	5607.84
	06/27/13		13.98	4.22	18.20	5607.21
	07/10/13		13.67	3.83	17.50	5607.62
	10/29/13		12.66	6.02	18.68	5608.08
	11/12/13		14.34	5.06	19.40	5606.64
	11/26/13		12.95	5.61	18.56	5607.90
	10/03/14		14.97	0.08	15.05	5607.26
	12/10/14		15.77	2.87	18.64	5605.76
	01/09/15		14.99	3.74	18.73	5606.32
	01/19/16		14.45	3.60	18.05	5606.90
	07/14/16		15.23	3.88	19.11	5606.05
	07/22/16		14.91	3.57	18.48	5606.45
	11/03/16		15.23	2.52	17.75	5606.39
	07/06/17		16.21	2.85	19.06	5605.33
	03/15/19		15.83	3.46	19.29	5605.55
	03/19/19		14.55	4.60	19.15	5606.55
	11/11/19		13.61	5.22	18.83	5607.33
	12/16/19		14.60	4.14	18.74	5606.61
	01/22/20		13.44	5.10	18.54	5607.53
	02/13/20		13.43	5.17	18.60	5607.53

**TABLE 1. SUMMARY OF FLUID GAUGING DATA
FAIRVIEW STATION, ESPANOLA, NEW MEXICO**

Monitoring Well	Date	Casing Elevation	Depth to NAPL (feet)	NAPL Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
MW-3	02/27/13	5622.241	18.60	-1.91	16.69	5604.12
	06/03/13		13.46	4.11	17.57	5607.75
	06/27/13		13.88	4.45	18.33	5607.25
	07/10/13		13.70	3.98	17.68	5607.55
	10/29/13		12.50	6.96	19.46	5608.00
	11/12/13		13.19	7.43	20.62	5607.19
	11/26/13		13.02	6.00	19.02	5607.72
	10/03/14		13.96	2.95	16.91	5607.54
	12/10/14		14.75	7.51	22.26	5605.61
	01/09/15		13.72	6.90	20.62	5606.80
	01/19/16		12.69	5.91	18.60	5608.07
	07/14/16		14.23	7.95	22.18	5606.02
	07/22/16		14.60	6.48	21.08	5606.02
	11/03/16		16.29	0.49	16.78	5605.83
	07/06/17		15.70	3.23	18.93	5605.73
	03/15/19		15.70	5.03	20.73	5605.28
	03/19/19		15.55	5.18	20.73	5605.40
	11/11/19		13.54	5.11	18.65	5607.42
	12/16/19		Well inaccessible			
	01/22/20		Well inaccessible			
	02/13/20		14.18	3.93	18.11	5607.08
MW-4	10/29/13	5622.812	-	-	14.13	5608.68
	11/12/13		-	-	15.12	5607.69
	11/26/13		-	-	15.20	5607.61
	10/03/14		-	-	16.21	5606.60
	01/09/15		-	-	15.88	5606.93
	01/19/16		-	-	14.33	5608.48
	07/14/16		-	-	14.89	5607.92
	07/22/16		-	-	15.10	5607.71
	11/03/16		-	-	16.25	5606.56
	12/21/16		-	-	15.50	5607.31
	07/06/17		-	-	17.34	5605.47
	03/15/19		-	-	15.75	5607.06

**TABLE 1. SUMMARY OF FLUID GAUGING DATA
FAIRVIEW STATION, ESPANOLA, NEW MEXICO**

Monitoring Well	Date	Casing Elevation	Depth to NAPL (feet)	NAPL Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
MW-5	10/29/13	5621.609	-	-	13.77	5607.84
	11/12/13		-	-	13.93	5607.68
	11/26/13		-	-	14.07	5607.54
	10/03/14		-	-	14.48	5607.13
	01/09/15		-	-	14.40	5607.21
	01/19/16		-	-	13.62	5607.99
	07/14/16		-	-	14.17	5607.44
	07/22/16		-	-	14.87	5606.74
	11/03/16		-	-	14.86	5606.75
	12/21/16		-	-	14.93	5606.68
	07/06/17		-	-	16.38	5605.23
	03/15/19		-	-	15.12	5606.49
	11/11/19		-	-	14.10	5607.51
	12/16/19		-	-	14.58	5607.03
	01/22/20		-	-	14.29	5607.32
	02/13/20		-	-	14.21	5607.40
MW-6	10/29/13	5622.01	-	-	13.97	5608.04
	11/12/13		14.39	0.01	14.40	5607.61
	11/26/13		14.31	0.02	14.33	5607.68
	10/03/14		15.60	0.05	15.65	5606.36
	12/10/14		16.20	0.34	16.54	5605.47
	01/09/15		15.58	0.04	15.62	5606.39
	01/19/16		14.99	0.04	15.03	5606.98
	07/14/16		14.34	0.03	14.37	5607.64
	07/22/16		-	-	16.33	5605.68
	11/03/16		15.67	0.01	15.68	5606.34
	07/06/17		-	-	16.59	5605.42
	03/15/19		-	-	15.53	5606.48
	11/11/19		-	-	14.49	5607.52
	12/16/19		-	-	15.29	5606.72
	01/22/20		-	-	14.53	5607.48
	02/13/20		-	-	14.52	5607.49

**TABLE 1. SUMMARY OF FLUID GAUGING DATA
FAIRVIEW STATION, ESPANOLA, NEW MEXICO**

Monitoring Well	Date	Casing Elevation	Depth to NAPL (feet)	NAPL Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
MW-7	10/29/13	5622.09	-	-	14.17	5607.92
	11/12/13		-	-	14.62	5607.47
	11/26/13		-	-	14.50	5607.59
	10/03/14		-	-	15.84	5606.25
	01/09/15		-	-	15.25	5606.84
	01/19/16		-	-	14.00	5608.09
	07/14/16		-	-	14.52	5607.57
	07/22/16		-	-	16.09	5606.00
	11/03/16		-	-	15.77	5606.32
	12/21/16		-	-	15.13	5606.96
	07/06/17		-	-	17.03	5605.06
	03/15/19		-	-	15.78	5606.31
	11/11/19		-	-	14.81	5607.28
	12/16/19		-	-	15.75	5606.34
	01/22/20		-	-	14.65	5607.44
	02/13/20		-	-	14.68	5607.41
MW-8	10/29/13	5623.10	13.80	3.55	17.35	5608.42
	11/12/13		14.49	6.54	21.03	5606.98
	11/26/13		14.05	4.25	18.30	5607.99
	10/03/14		14.95	2.57	17.52	5607.51
	12/10/14		15.27	6.51	21.78	5606.21
	01/09/15		15.00	6.45	21.45	5606.49
	01/19/16		14.34	4.44	18.78	5607.65
	07/14/16		15.15	6.31	21.46	5606.38
	07/22/16		15.98	6.72	22.70	5605.44
	11/03/16		15.33	5.21	20.54	5606.47
	07/06/17		16.79	4.52	21.31	5605.18
	03/15/19		16.29	3.98	20.27	5605.82
	03/19/19		16.30	4.45	20.75	5605.69
	11/11/19		14.95	3.10	18.05	5607.38
	12/16/19		15.26	4.74	20.00	5606.66
	01/22/20		-	-	14.88	5608.22
	02/13/20		14.95	2.51	17.46	5607.53

**TABLE 1. SUMMARY OF FLUID GAUGING DATA
FAIRVIEW STATION, ESPANOLA, NEW MEXICO**

Monitoring Well	Date	Casing Elevation	Depth to NAPL (feet)	NAPL Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
MW-9	10/03/14	5623.105	-	-	16.69	5606.42
	12/10/14		-	-	17.15	5605.96
	01/09/15		-	-	16.46	5606.65
	01/19/16		14.65	0.63	15.28	5608.30
	07/14/16		15.13	0.63	15.76	5607.82
	07/22/16		16.92	0.52	17.44	5606.06
	11/03/16		16.09	0.01	16.10	5607.01
	07/06/17		17.78	0.33	18.11	5605.24
	03/15/19		17.23	0.13	17.36	5605.84
	11/11/19		-	-	15.65	5607.46
	12/16/19		-	-	15.96	5607.15
	01/22/20		-	-	15.39	5607.72
	02/13/20		-	-	14.48	5608.63
MW-10	10/03/14	5623.073	-	-	16.78	5606.29
	01/09/15		-	-	16.28	5606.79
	01/19/16		Sheen	-	14.89	5608.18
	07/14/16		15.37	0.01	15.38	5607.69
	07/22/16		-	-	17.22	5605.85
	11/03/16		16.23	0.01	16.24	5606.84
	07/06/17		17.93	0.01	17.94	5605.14
	03/15/19		-	-	17.34	5605.73
	05/09/19		-	-	16.73	5606.34
	11/11/19		-	-	15.72	5607.35
	12/16/19		-	-	16.11	5606.96
	01/22/20		-	-	15.47	5607.60
	02/13/20		-	-	15.58	5607.49
MW-11	10/03/14	5623.36	15.55	0.16	15.71	5607.77
	12/10/14		16.52	3.63	20.15	5605.94
	01/09/15		15.89	3.36	19.25	5606.63
	01/19/16		15.47	3.66	19.13	5606.98
	07/14/16		16.01	3.09	19.10	5606.58
	07/22/16		17.20	1.50	18.70	5605.79
	11/03/16		16.85	1.21	18.06	5606.21
	07/06/17		17.47	2.35	19.82	5605.31
	03/15/19		17.15	1.93	19.08	5605.73
	03/19/19		17.11	1.77	18.88	5605.81
	11/11/19		15.35	1.74	17.09	5607.58
	12/16/19		16.50	0.91	17.41	5606.64
	01/22/20		15.49	0.33	15.82	5607.79
	02/13/20		-	-	15.51	5607.85

**TABLE 1. SUMMARY OF FLUID GAUGING DATA
FAIRVIEW STATION, ESPANOLA, NEW MEXICO**

Monitoring Well	Date	Casing Elevation	Depth to NAPL (feet)	NAPL Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
MW-12	10/03/14	5622.05	-	-	15.52	5606.53
	12/09/14		-	-	15.94	5606.11
	01/09/15		-	-	15.21	5606.84
	01/19/16		-	-	NM	NM
	07/14/16		-	-	NM	NM
	07/22/16		-	-	NM	NM
	11/03/16		-	-	NM	NM
	12/21/16		-	-	NM	NM
	07/06/17		-	-	NM	NM
	03/15/19		-	-	NM	NM
MW-13	10/03/14	5621.52	-	-	14.81	5606.71
	01/09/15		-	-	14.76	5606.76
	01/19/16		-	-	NM	NM
	07/14/16		-	-	14.24	5607.28
	07/22/16		-	-	14.46	5607.06
	11/03/16		-	-	14.57	5606.95
	12/21/16		-	-	14.87	5606.65
	07/06/17		-	-	16.61	5604.91
	03/15/19		-	-	15.13	5606.39
MW-14	10/03/14	5622.97	15.76	0.29	16.05	5607.13
	12/10/14		16.38	2.19	18.57	5606.04
	01/09/15		15.96	0.49	16.45	5606.88
	01/19/16		14.40	0.79	15.19	5608.37
	07/14/16		15.23	0.47	15.70	5607.62
	07/22/16		16.68	0.38	17.06	5606.19
	11/03/16		15.90	0.10	16.00	5607.04
	07/06/17		17.46	0.67	18.13	5605.34
	03/15/19		16.68	0.96	17.64	5606.05
	11/11/19		-	-	15.45	5607.52
	12/16/19		-	-	15.95	5607.02
	01/22/20		-	-	15.38	5607.59
	02/13/20		-	-	15.45	5607.52

**TABLE 1. SUMMARY OF FLUID GAUGING DATA
FAIRVIEW STATION, ESPANOLA, NEW MEXICO**

Monitoring Well	Date	Casing Elevation	Depth to NAPL (feet)	NAPL Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
MW-15	07/14/16	5622.104	14.35	1.59	15.94	5607.36
	07/22/16		15.11	3.44	18.55	5606.13
	11/03/16		15.64	0.01	15.65	5606.46
	07/06/17		16.10	1.21	17.31	5605.70
	03/15/19		15.49	5.14	20.63	5605.33
	03/19/19		15.88	1.61	17.49	5605.82
	11/11/19		13.50	2.94	16.44	5607.87
	12/16/19		15.09	0.65	15.74	5606.85
	01/22/20		14.69	0.43	15.12	5607.31
	02/13/20		14.75	0.01	14.76	5607.35
MW-16	07/14/16	5622.15	-	-	14.54	5607.61
	07/22/16		-	-	15.36	5606.79
	11/03/16		-	-	15.35	5606.80
	12/21/16		-	-	15.17	5606.98
	07/06/17		-	-	16.98	5605.17
	03/15/19		-	-	15.40	5606.75
MW-17	07/14/16	5623.46	-	-	15.20	5608.26
	07/22/16		-	-	16.58	5606.88
	11/03/16		-	-	16.37	5607.09
	12/21/16		-	-	15.84	5607.62
	07/06/17		-	-	17.69	5605.77
	03/15/19		-	-	16.04	5607.42
	05/09/19		-	-	16.38	5607.08

**TABLE 1. SUMMARY OF FLUID GAUGING DATA
FAIRVIEW STATION, ESPANOLA, NEW MEXICO**

Monitoring Well	Date	Casing Elevation	Depth to NAPL (feet)	NAPL Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
MW-18	07/14/16	5623.49	-	-	15.36	5608.13
	07/22/16		16.58	0.01	16.59	5606.90
	11/03/16		16.10	0.01	16.11	5607.38
	07/06/17		18.05	0.19	18.24	5605.39
	03/15/19		16.50	2.70	19.20	5606.31
	11/11/19		15.46	1.06	16.52	5607.76
	12/16/19		Well inaccessible			
	01/22/20		-	-	15.28	5608.21
	02/13/20		15.36	0.93	16.29	5607.89
MW-19	07/14/16	5623.58	-	-	15.80	5607.78
	07/22/16		-	-	16.84	5606.74
	11/03/16		-	-	15.94	5607.64
	12/21/16		-	-	16.17	5607.41
	07/06/17		-	-	17.92	5605.66
	03/15/19		-	-	16.34	5607.24
	05/09/19		-	-	15.07	5608.51
MW-20	07/14/16	5623.18	-	-	15.29	5607.89
	07/22/16		-	-	15.31	5607.87
	11/03/16		-	-	15.00	5608.18
	12/21/16		-	-	15.56	5607.62
	07/06/17		-	-	16.38	5606.80
	03/15/19		-	-	16.67	5606.51
MW-21	07/14/16	5622.16	-	-	15.47	5606.69
	07/22/16		-	-	15.36	5606.80
	11/03/16		-	-	15.59	5606.57
	12/21/16		-	-	15.68	5606.48
	07/06/17		-	-	16.88	5605.28
	03/15/19		-	-	15.66	5606.50

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FAIRVIEW STATION, ESPANOLA, NEW MEXICO**

Monitoring Well	Date	Casing Elevation	Depth to NAPL (feet)	NAPL Thickness (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
MW-22	03/15/19	5622.00	-	-	15.46	5606.54
MW-23	03/15/19	5622.19	-	-	15.93	5606.26
MW-24	01/10/20		-	-	14.98	
MW-25	03/15/19		-	-	14.95	
MW-26	03/15/19	5623.98	-	-	16.42	5607.56
MW-27	03/15/19	5622.82	-	-	16.39	5606.43
	05/09/19		-	-	15.07	5607.75
	11/11/19		-	-	15.12	5607.70
	12/16/19		-	-	15.39	5607.43
	01/22/20		-	-	14.89	5607.93
	02/13/20		-	-	15.01	5607.81
MW-28	03/15/19	5622.75	15.43	3.91	19.34	5606.34
	11/11/19		14.62	2.34	16.96	5607.55
	12/16/19		14.82	3.06	17.88	5607.17
	01/22/20		14.53	0.02	14.55	5608.22
	02/13/20		14.60	1.88	16.48	5607.68
MW-29	03/22/19	5622.37	15.15	0.09	15.24	5607.20
	05/09/19		15.30	1.71	17.01	5606.64
	11/11/19		14.40	1.95	16.35	5607.48
	12/16/19		15.56	0.73	16.29	5606.63
	01/22/20		14.56	0.39	14.95	5607.71
	02/13/20		-	-	14.69	5607.68
MW-30	03/22/19	5621.87	13.73	4.88	18.61	5606.92
	11/11/19		13.26	2.74	16.00	5607.93
	12/16/19		Well inaccessible			
	01/22/20		Well inaccessible			
	02/13/20		Well inaccessible			
MW-31	03/22/19	5621.95	-	-	15.27	5606.68
	05/09/19		15.53	3.24	18.77	5605.61
	11/11/19		13.63	3.17	16.80	5607.53
	12/16/19		14.94	2.28	17.22	5606.44
	01/22/20		14.02	1.63	15.65	5607.52
	02/13/20		-	-	14.23	5607.72

NOTES:

Data collected before 2018 (in italics) collected by previous consultants.

RED = Indicates measurement taken after skimmer or sock removed; measurement not representative

NAPL = Nonaquious phase liquid

NA = Not applicable

NM = Not measured

**TABLE 2. SUMMARY OF NAPL RECOVERY
FAIRVIEW STATION, ESPANOLA, NEW MEXICO**

Monitor Well	Date Recovered	NAPL Thickness Prior to Bailing ¹	NAPL Thickness After Bailing ¹	Total NAPL Recovered ²	Comments
MW-1	02/01/13	NM	NM	0.00	
	02/04/13	NM	NM	0.00	
	02/27/13	0.34	NM	0.00	
	06/03/13	0.28	NM	0.50	
	06/27/13	0.37	NM	0.10	
	07/10/13	0.24	NM	0.00	
	10/29/13	1.89	NM	1.50	
	11/12/13	0.46	NM	0.30	
	11/26/13	1.08	NM	0.30	
	10/03/14	0.04	NM	0.00	
	12/10/14	3.20	NM	NM	
	01/09/15	3.49	NM	NM	
	01/19/16	3.93	1.21	4.50	
	07/14/16	4.70	0.01	3.25	set skimmer
	07/22/16	2.45	1.55	3.25	skimmer 1/2 full
	07/28/16	4.55	0.16	3.00	skimmer 1/2 full
	08/04/16	4.87	0.94	5.00	skimmer 1/2 full
	08/11/16	4.75	0.80	4.00	skimmer 1/2 full
	08/18/16	4.80	0.75	3.50	skimmer 1/2 full
	08/31/16	4.48	0.05	3.00	skimmer 1/2 full
	09/15/16	3.68	0.01	1.50	skimmer 1/2 full
	09/22/16	0.83	0.11	0.75	skimmer 1/2 full
	10/06/16	2.34	0.01	1.25	skimmer 1/2 full
	10/21/16	1.12	0.27	0.75	skimmer 1/2 full
	11/03/16	2.40	0.10	1.50	skimmer 1/2 full
	07/06/17	4.07	2.31	7.50	skimmer 3/4 full; ~3 inches water
	03/15/19	Well not found - presumed destroyed			

**TABLE 2. SUMMARY OF NAPL RECOVERY
FAIRVIEW STATION, ESPANOLA, NEW MEXICO**

Monitor Well	Date Recovered	NAPL Thickness Prior to Bailing ¹	NAPL Thickness After Bailing ¹	Total NAPL Recovered ²	Comments
MW-2	02/01/13	NM	NM	4.50	
	02/04/13	NM	NM	5.00	
	02/27/13	5.45	NM	0.00	
	06/03/13	3.97	NM	4.50	
	06/27/13	4.22	NM	3.00	
	07/10/13	3.83	NM	2.50	
	10/29/13	6.02	NM	3.50	
	11/12/13	5.06	NM	2.80	
	11/26/13	5.61	NM	3.00	
	10/03/14	0.08	NM	0.00	
	12/10/14	2.87	NM	NM	
	01/09/15	3.74	NM	NM	
	01/19/16	3.60	0.85	3.75	
	07/14/16	3.88	0.01	2.75	set skimmer
	07/22/16	3.57	0.06	2.50	skimmer full
	07/28/16	3.59	0.18	2.25	skimmer full
	08/04/16	3.00	0.36	3.00	skimmer full
	08/11/16	3.41	0.27	3.00	skimmer full
	08/18/16	3.07	0.38	3.00	skimmer full
	08/31/16	5.36	0.26	2.50	skimmer full
	09/15/16	5.30	0.24	3.00	skimmer full
	09/22/16	3.88	0.26	2.25	skimmer full
	10/06/16	4.30	0.20	2.50	skimmer full
	10/21/16	2.94	0.01	2.25	skimmer 1/2 full
	11/03/16	2.52	0.15	2.00	skimmer full
	07/06/17	2.85	0.35	2.00	skimmer full; 1/4 NAPL, 3/4 water, soaked filter in NAPL
	03/15/19	3.46	0.88	5.25	skimmer full; 1/5 NAPL, 4/5 water
	03/19/19	4.60	0.70	5.5	skimmer full
	11/11/19	5.22	0.77	3.1	skimmer nearly full, poor interface
	12/16/19	4.19	0.97	3.75	skimmer full
	01/22/20	5.10	2.29	3.33	skimmer full
	02/13/20	5.17	1.00	5.25	skimmer full

**TABLE 2. SUMMARY OF NAPL RECOVERY
FAIRVIEW STATION, ESPANOLA, NEW MEXICO**

Monitor Well	Date Recovered	NAPL Thickness Prior to Bailing ¹	NAPL Thickness After Bailing ¹	Total NAPL Recovered ²	Comments
MW-3	02/01/13	NM	NM	0.50	
	02/04/13	NM	NM	2.00	
	02/27/13	2.89	NM	0.00	
	06/03/13	4.11	NM	4.50	
	06/27/13	4.45	NM	3.50	
	07/10/13	3.98	NM	3.00	
	10/29/13	6.96	NM	7.00	
	11/12/13	7.43	NM	5.00	
	11/26/13	6.00	NM	4.30	
	10/03/14	2.95	NM	0.00	
	12/10/14	7.51	NM	NM	
	01/09/15	6.90	NM	NM	
	01/19/16	5.91	1.10	5.00	
	07/14/16	7.95	0.01	5.50	set skimmer
	07/22/16	6.48	0.15	5.50	skimmer full of water only
	07/28/16	6.41	0.17	3.00	skimmer full of water only; soaked filter in NAPL
	08/04/16	3.57	0.47	3.00	skimmer full of water only; replaced skimmer with skimmer from MW-11
	08/11/16	3.10	0.28	3.00	skimmer full
	08/18/16	2.78	0.20	2.50	skimmer full
	08/31/16	3.12	0.13	2.25	skimmer full
	09/15/16	3.82	0.24	2.50	skimmer full
	09/22/16	1.81	0.07	1.25	skimmer full
	10/06/16	1.49	0.11	1.00	skimmer full
	10/21/16	0.70	0.01	0.50	skimmer 1/3 full
	11/03/16	0.49	0.10	0.25	skimmer 1/2 full
	07/06/17	3.23	0.01	1.50	skimmer full
	03/15/19	5.03	0.08	2.75	skimmer full
	03/19/19	5.18	0.17	2.0	skimmer full
	11/11/19	5.11	0.34	2.15	skimmer full, bailed
	12/16/19	Well inaccesssible - NAPL not recovered			
	01/22/20	Well inaccesssible - NAPL not recovered			
	02/13/20	3.93	0.04	4.25	skimmer full
MW-6	10/29/13	-	-	0.00	
	11/12/13	0.01	NM	0.00	
	11/26/13	0.02	NM	0.00	
	10/03/14	0.05	NM	0.00	
	12/10/14	0.34	NM	0.00	
	01/09/15	0.04	NM	0.00	
	01/19/16	0.04	0.00	negligible	
	07/14/16	0.03	0.00	negligible	set new sock
	07/22/16	0.00	-	0.01	2 inches of staining; set new sock
	07/28/16	0.00	-	0.00	no staining; reset same sock
	08/04/16	0.00	-	0.08	16 inches of staining; set new sock
	08/11/16	0.00	-	0.08	16 inches of staining; set new sock
	08/18/16	0.01	-	0.08	16 inches of staining; set new sock
	08/31/16	0.01	-	0.07	14 inches of staining; set new sock
	09/15/16	0.00	-	0.06	11 inches of staining; set new sock
	09/22/16	0.01	-	0.00	no staining; reset same sock
	10/06/16	0.01	-	0.04	8 inches of staining; set new sock
	10/21/16	0.00	-	0.01	1 inch of staining; set new sock
	11/03/16	0.01	-	0.06	12 inchs of staining; set new sock
	07/06/17	-	-	0.1	20 inchs of staining; set new sock
	03/15/19	0.00	-	0.0	removed sock
	12/16/19	0.00	-	0.0	
	01/22/20	0.00	-	0.0	
	02/13/20	0.00	-	0.0	

**TABLE 2. SUMMARY OF NAPL RECOVERY
FAIRVIEW STATION, ESPANOLA, NEW MEXICO**

Monitor Well	Date Recovered	NAPL Thickness Prior to Bailing ¹	NAPL Thickness After Bailing ¹	Total NAPL Recovered ²	Comments
MW-8	10/29/13	3.55	NM	2.50	
	11/12/13	6.54	NM	3.00	
	11/26/13	4.25	NM	3.50	
	10/03/14	2.57	NM	0.00	
	12/10/14	6.51	NM	NM	
	01/09/15	6.45	NM	NM	
	01/19/16	4.44	0.55	3.25	
	07/14/16	6.31	0.01	3.00	set skimmer
	07/22/16	6.72	0.10	3.00	skimmer 3/4 full
	07/28/16	6.88	0.13	1.75	skimmer full
	08/04/16	3.72	0.17	3.00	skimmer full
	08/11/16	6.05	0.06	3.00	skimmer full
	08/18/16	6.41	0.04	3.00	skimmer full
	08/31/16	3.86	0.30	2.50	skimmer 1/3 full of NAPL, 2/3 full water; soaked filter in NAPL
	09/15/16	4.36	0.15	2.50	skimmer 1/2 full of NAPL, 1/2 full water; removed skimmer
	09/22/16	5.91	0.05	2.25	
	10/06/16	6.57	0.20	2.25	
	10/21/16	6.09	0.05	2.00	
	11/03/16	5.21	0.07	2.00	
	07/06/17	4.52	0.24	1.00	
	03/15/19	3.98	0.08	1.75	
	03/19/19	4.45	0.35	1.5	
	11/11/19	3.10	0.01	2.0	
	12/16/19	4.74	0.01	2.0	
	01/22/20	0.00	-	0.0	
	02/13/20	2.51	0.33	1.5	
MW-9	10/03/14	-	-	0.00	
	12/10/14	-	-	0.00	
	01/09/15	-	-	0.00	
	01/19/16	0.63	0.01	negligible	
	07/14/16	0.63	0.01	0.25	set new sock
	07/22/16	0.52	0.11	0.31	1 foot of staining; set new sock
	07/28/16	0.01	-	0.12	2 feet of staining; set new sock
	08/04/16	0.01	-	0.08	16 inches of staining; set new sock
	08/11/16	0.00	-	0.00	no staining; reset same sock
	08/18/16	0.00	-	0.07	13 inches of staining; set new sock
	08/31/16	0.01	-	0.06	11 inches of staining; set new sock
	09/15/16	0.00	-	0.00	no staining; reset same sock
	09/22/16	0.00	-	0.00	no staining; reset same sock
	10/06/16	0.00	-	0.03	6 inches of staining; set new sock
	10/21/16	0.01	-	0.01	2 inches of staining; set new sock
	11/03/16	0.01	-	0.05	9 inches of staining; set new sock
	07/06/17	0.33	0.01	0.09	17 inches of staining; set new sock
	03/15/19	0.13	0.01	negligible	removed sock
	11/11/19	0.00	-	0.0	
	12/16/19	0.00	-	0.0	
	01/22/20	0.00	-	0.0	
	02/13/20	0.00	-	0.0	

**TABLE 2. SUMMARY OF NAPL RECOVERY
FAIRVIEW STATION, ESPANOLA, NEW MEXICO**

Monitor Well	Date Recovered	NAPL Thickness Prior to Bailing ¹	NAPL Thickness After Bailing ¹	Total NAPL Recovered ²	Comments
MW-10	10/03/14	-	-	0.00	
	12/09/14	Lost Data		0.00	
	01/09/15	-	-	0.00	
	01/19/16	Sheen		0.00	
	07/14/16	0.01	-	0.00	set new sock
	07/22/16	0.00	-	0.07	14 inches of staining; set new sock
	07/28/16	0.00	-	0.06	1 foot of staining; set new sock
	08/04/16	0.00	-	0.00	no staining; reset same sock
	08/11/16	0.00	-	0.06	1 foot of staining; set new sock
	08/18/16	0.00	-	0.06	11 inches of staining; set new sock
	08/31/16	0.00	-	0.06	11 inches of staining; set new sock
	09/15/16	0.00	-	0.02	4.5 inches of staining; set new sock
	09/22/16	0.00	-	0.00	no staining; reset same sock
	10/06/16	0.00	-	0.03	5 inches of staining; set new sock
	10/21/16	0.00	-	0.00	no staining; reset same sock
	11/03/16	0.01	-	0.03	6 inches of staining; set new sock
	07/06/17	0.01	-	0.07	13 inches of staining; set new sock
	03/15/19	0.00	-	0.0	removed sock
	11/11/19	0.00	-	0.0	
	12/16/19	0.00	-	0.0	
	01/22/20	0.00	-	0.0	
	02/13/20	0.00	-	0.0	
MW-11	10/03/14	0.16	NM	0.00	
	12/10/14	3.63	NM	NM	
	01/09/15	3.36	NM	NM	
	01/19/16	3.66	0.62	2.75	
	07/14/16	3.09	0.01	2.00	set skimmer
	07/22/16	1.50	0.16	1.25	skimmer full
	07/28/16	0.25	0.01	0.10	skimmer 1/2 full
	08/04/16	0.18	0.01	0.25	skimmer 1/2 full; removed skimmer; installed sock
	08/11/16	0.26	0.01	0.06	1 foot of staining; set new sock
	08/18/16	0.36	0.01	0.08	15 inches of staining; set new sock
	08/31/16	0.20	0.01	0.09	18 inches of staining; set new sock
	09/15/16	0.52	0.01	0.06	11 inches of staining; set new sock
	09/22/16	0.85	0.05	0.29	7 inches of staining; set new sock
	10/06/16	1.88	0.09	0.79	8 inches of staining; set new sock
	10/21/16	1.74	0.05	0.77	3 inches of staining; set new sock
	11/03/16	1.21	0.01	0.29	7 inches of staining; set new sock
	07/06/17	2.35	1.43	5.02	3.5 inches of staining; set new sock
	03/15/19	1.93	0.50	2.0	sock removed
	03/19/19	1.77	0.40	1.5	
	11/11/19	1.74	0.27	1.2	
	12/16/19	0.91	0.20	0.5	
	01/22/20	0.33	0.00	0.05	
	02/13/20	0.00	-	-	

**TABLE 2. SUMMARY OF NAPL RECOVERY
FAIRVIEW STATION, ESPANOLA, NEW MEXICO**

Monitor Well	Date Recovered	NAPL Thickness Prior to Bailing ¹	NAPL Thickness After Bailing ¹	Total NAPL Recovered ²	Comments
MW-14	10/03/14	0.29	NM	0.00	
	12/10/14	2.19	NM	NM	
	01/09/15	0.49	NM	NM	
	01/19/16	0.79	0.01	0.25	
	07/14/16	0.47	0.01	0.10	set new sock
	07/22/16	0.38	0.19	0.33	16 inches of staining; set new sock
	07/28/16	0.12	0.01	0.10	19 inches of staining; set new sock
	08/04/16	0.01	-	0.01	2 inches of staining; set new sock
	08/11/16	0.00	-	0.02	3 inches of staining; set new sock
	08/18/16	0.01	-	0.07	14 inches of staining; set new sock
	08/31/16	0.00	-	0.06	11 inches of staining; set new sock
	09/15/16	0.01	-	0.02	4 inches of staining; set new sock
	09/22/16	0.01	-	0.02	4 inches of staining; set new sock
	10/06/16	0.05	0.00	0.03	6 inches of staining; set new sock
	10/21/16	0.12	0.01	0.01	2 inches of staining; set new sock
	11/03/16	0.10	0.01	0.07	13 inches of staining; set new sock
	07/06/17	0.67	0.01	0.05	10 inches of staining; set new sock
	03/15/19	0.96	0.1	0.5	sock removed
	11/11/19	0.00	-	0.0	
	12/16/19	0.00	-	0.0	
	01/22/20	0.00	-	0.0	
	02/13/20	0.00	-	0.0	
MW-15	07/14/16	1.59	0.01	1.50	
	07/22/16	3.44	0.87	2.50	
	07/28/16	0.73	0.01	0.25	set new sock
	08/04/16	0.60	0.03	0.93	3 feet of staining; set new sock
	08/11/16	0.32	0.04	0.00	no staining; reset same sock
	08/18/16	1.05	0.01	0.15	30 inches of staining; set new sock
	08/31/16	0.06	0.00	0.15	29 inches of staining; set new sock
	09/15/16	0.13	0.01	0.10	19 inches of staining; set new sock
	09/22/16	0.08	0.01	0.08	16 inches of staining; set new sock
	10/06/16	0.20	0.01	0.08	16 inches of staining; set new sock
	10/21/16	0.27	0.01	0.04	8.5 inches of staining; set new sock
	11/03/16	0.01	-	0.03	5 inches of staining; set new sock
	07/06/17	1.21	-	0.54	7 inches of staining; set new sock
	03/15/19	5.14	0.21	4.25	removed sock
	03/19/19	1.61	0.24	0.75	
	11/11/19	2.94	0.03	1.0	Bailed
	12/16/19	0.65	0.31	0.5	
	01/22/20	0.43	0.28	0.2	Bailed
	02/13/20	0.01	0.00	0.0	

**TABLE 2. SUMMARY OF NAPL RECOVERY
FAIRVIEW STATION, ESPANOLA, NEW MEXICO**

Monitor Well	Date Recovered	NAPL Thickness Prior to Bailing ¹	NAPL Thickness After Bailing ¹	Total NAPL Recovered ²	Comments
MW-18	07/22/16	0.01	-	0.00	set new sock
	07/28/16	0.00	-	0.08	15 inches of staining; set new sock
	08/04/16	0.00	-	0.00	no staining; reset same sock
	08/11/16	0.00	-	0.09	18 inches of staining; set new sock
	08/18/16	0.00	-	0.11	21 inches of staining; set new sock
	08/31/16	0.00	-	0.09	18 inches of staining; set new sock
	09/15/16	0.00	-	0.09	17 inches of staining; set new sock
	09/22/16	0.00	-	0.00	no staining; reset same sock
	10/06/16	0.01	-	0.03	6 inches of staining; set new sock
	10/21/16	0.00	-	0.02	3 inches of staining; set new sock
	11/03/16	0.01	-	0.09	18 inches of staining; set new sock
	07/06/17	0.19	0.01	0.04	8 inches of staining; set new sock
	03/15/19	2.70	0.02	0.75	removed sock
	11/11/19	1.06	0.11	1.3	
	12/16/19	Well inaccessible - NAPL not recovered			
	01/22/20	0.00	-	0.0	
	02/13/20	0.93	0.0	0.5	
MW-28	03/15/19	3.91	0.5	2.5	
	11/11/19	2.34	0.0	2.0	
	12/16/19	3.06	0.0	1.5	
	01/22/20	0.02	0.0	0.0	
	02/13/20	1.88	0.0	2.0	
MW-29	03/22/19	0.09		0.0	
	11/11/19	1.95	0.42	2.9	
	12/16/19	0.73	0.30	0.75	
	01/22/20	0.39	0.04	0.66	
	02/13/20	0.00	-	0.00	
MW-30	03/22/19	4.88		0.00	
	11/11/19	2.74	2.04	3.75	Poor interface signal
	12/16/19	Well inaccessible - NAPL not recovered			
	01/22/20	Well inaccessible - NAPL not recovered			
	02/13/20	Well inaccessible - NAPL not recovered			
MW-31	11/11/19	3.17	1.61	4.7	Poor interface signal
	12/16/19	2.28	0.67	2.5	
	01/22/20	1.63	0.00	2.33	
	02/13/20	0.00	-	0.00	
Total NAPL Recovered February 2020				13.50	
Cumulative Total NAPL Recovered				331.64	

NOTES:

NAPL - Non Aqueous Phase Liquid

¹ Measured in feet.

² Measured in gallons.

Absorbent sock capacity = 0.005 gallons per inch

All NAPL recovered is placed in a drum located at the Fairview Station Site in Espanola, NM.

Fairview Station State Lead

Job # 3426622

Date: 2/13/20Time On-site: 0930 / 1250Weather conditions: Clear, ~30°F Staff: C.P. & EmmEquipment Used: NAPL Sounder, Pump, Bailing Bucket

NAPL Measurement and Recovery Data

MW ID	Initial Measurements		Gallons Recovered		Final Measurements		Remarks
	DTP	DTW	Skimmer	Bail/Pump	DTP	DTW	
MW-2	13.43	18.60	1/4	0.5	14.50	15.50	
MW-3	14.18	18.11	1/4	4	15.56	15.60	
MW-5	—	14.21	—	—	—	—	
MW-6	—	14.52	—	—	—	—	
MW-7	—	14.68	—	—	—	—	
P MW-8	14.95	14.46		1.5	16.07	16.40	
MW-9	—	15.48	—	—	—	—	
MW-10	—	15.58	—	—	—	—	
MW-11	—	15.51	—	—	—	—	
MW-14	—	15.45	—	—	—	—	
MW-15	14.75 15.36	14.76 16.29	—	—	—	—	
P MW-18	15.36	16.29		0.5g	—	15.72	
MW-27	—	15.01	—	—	—	—	
P MW-28	14.60	16.48		2.0	—	15.37	Replaced S-plug
MW-29	—	14.69	—	—	—	—	checked
MW-30	—	—	—	—	—	—	In Mud Puddle
MW-31	—	14.23	—	—	—	—	

Notes: