



February 12, 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: Second Monthly NAPL Recovery Report,  
Fairview Station Site, Española, New Mexico  
Facility #28779                      RID #4657                      WPID #4096-2**

Dear Ms. von Gonten:

Souder, Miller & Associates (SMA) is pleased to submit the second 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 December 16, 2019, SMA performed the second monthly NAPL recovery. Fourteen monitoring wells were gauged for depth to NAPL and depth to water. Of these fourteen wells, seven monitoring wells contained NAPL with apparent thicknesses ranging from 0.65 to 4.74 feet. Three monitoring wells (MW-3, MW-18 and MW-30) were covered in frozen mud or 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 0.5 to 4.75 gallons per well. The total amount of NAPL recovered from the seven monitoring wells was 11.5 gallons. To date, approximately 311 gallons of NAPL have been removed from the site.

Figure 1 depicts the apparent NAPL thicknesses and NAPL contours during the December 2019 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  
February 12, 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](mailto:alan.eschenbacher@soudermiller.com).

Sincerely,  
SOUDER, MILLER & ASSOCIATES



Alan Eschenbacher, P.G.  
Senior Geoscientist

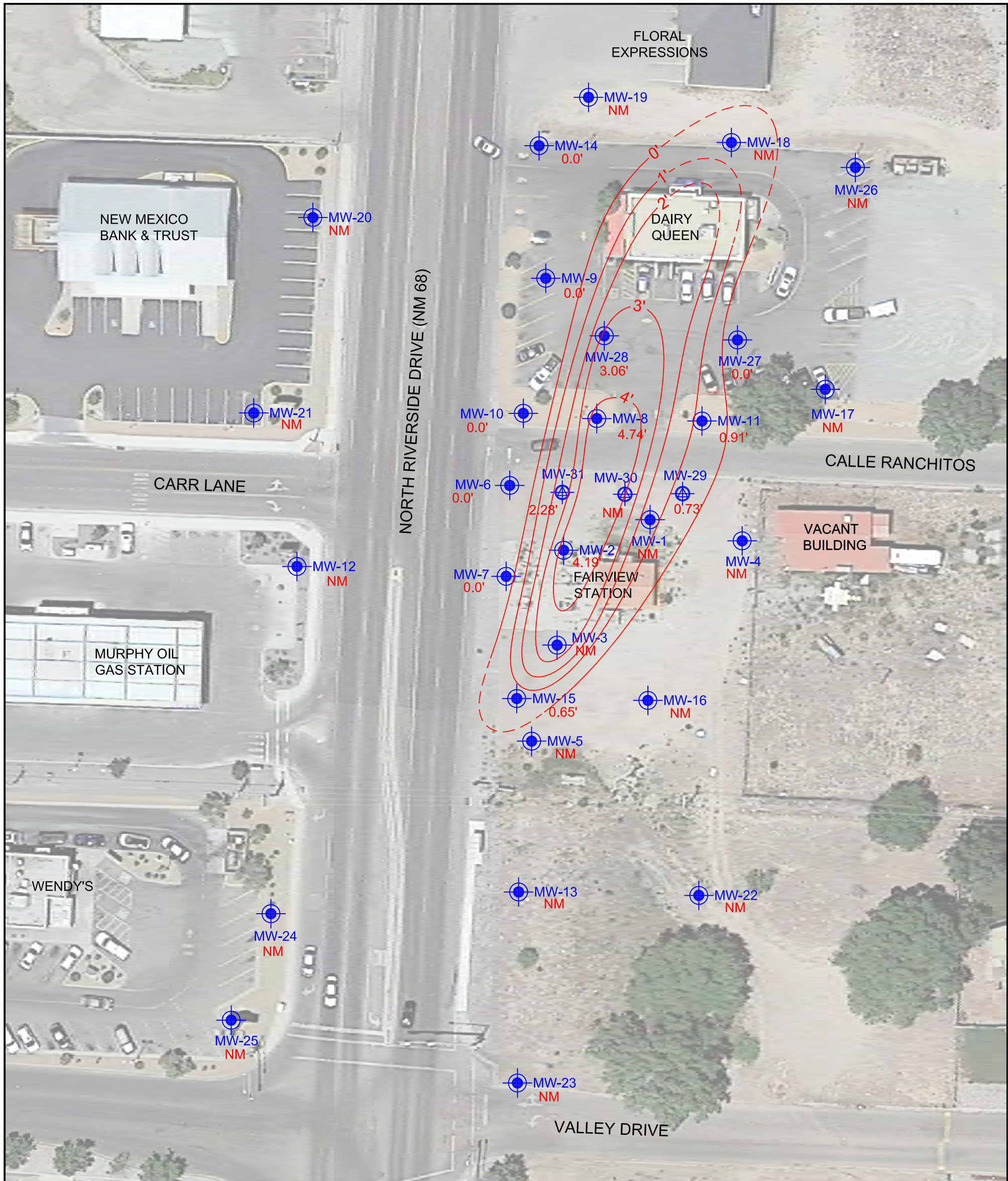
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Figure 1 – Non-Aqueous Phase Liquid Map – December 16, 2019



Table 1 – Summary of Fluid Gauging Data

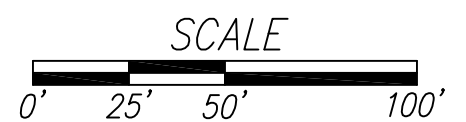
Table 2 – Summary of NAPL Recovery

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



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**NON-AQUEOUS PHASE LIQUID MAP - DECEMBER 2019**  
**FAIRVIEW STATION**  
**ESPAÑOLA, NEW MEXICO**

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

**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		

**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	13.80	2.89	16.69	5607.72
	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			
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

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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-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
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
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

**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-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		
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
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

**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-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
	MW-12		10/03/14	5622.05	-	-
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



**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-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
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
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

**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-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
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			
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

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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-21	<i>07/14/16</i>	5622.16	-	-	<i>15.47</i>	<i>5606.69</i>
	<i>07/22/16</i>		-	-	<i>15.36</i>	<i>5606.80</i>
	<i>11/03/16</i>		-	-	<i>15.59</i>	<i>5606.57</i>
	<i>12/21/16</i>		-	-	<i>15.68</i>	<i>5606.48</i>
	<i>07/06/17</i>		-	-	<i>16.88</i>	<i>5605.28</i>
	<i>03/15/19</i>		-	-	15.66	5606.50
MW-22	03/15/19	5622.00	-	-	15.46	5606.54
MW-23	03/15/19	5622.19	-	-	15.93	5606.26
MW-24	03/15/19		Installation pending access			
MW-25	03/15/19		Installation pending access			
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
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
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
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			
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

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 <sup>1</sup>	NAPL Thickness After Bailing <sup>1</sup>	Total NAPL Recovered <sup>2</sup>	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 <sup>1</sup>	NAPL Thickness After Bailing <sup>1</sup>	Total NAPL Recovered <sup>2</sup>	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	

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

Monitor Well	Date Recovered	NAPL Thickness Prior to Bailing <sup>1</sup>	NAPL Thickness After Bailing <sup>1</sup>	Total NAPL Recovered <sup>2</sup>	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	2.2	skimmer full, bailed	
12/16/19	Well inaccessibile - NAPL not recovered				
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		

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

Monitor Well	Date Recovered	NAPL Thickness Prior to Bailing <sup>1</sup>	NAPL Thickness After Bailing <sup>1</sup>	Total NAPL Recovered <sup>2</sup>	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		
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		

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

Monitor Well	Date Recovered	NAPL Thickness Prior to Bailing <sup>1</sup>	NAPL Thickness After Bailing <sup>1</sup>	Total NAPL Recovered <sup>2</sup>	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		
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		



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

Monitor Well	Date Recovered	NAPL Thickness Prior to Bailing <sup>1</sup>	NAPL Thickness After Bailing <sup>1</sup>	Total NAPL Recovered <sup>2</sup>	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		
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	Bailed	

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

Monitor Well	Date Recovered	NAPL Thickness Prior to Bailing <sup>1</sup>	NAPL Thickness After Bailing <sup>1</sup>	Total NAPL Recovered <sup>2</sup>	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				
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	
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	0.8	
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			
MW-31	11/11/19	3.17	1.61	4.7	Poor interface signal
	12/16/19	2.28	0.67	2.5	
<b>November 2019</b>				<b>11.50</b>	
<b>Recovered</b>				<b>311.57</b>	

NOTES:

NAPL - Non Aqueous Phase Liquid

<sup>1</sup> Measured in feet.

<sup>2</sup> 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: 12/16/19 Time On-site: 0900

Weather conditions: cold, windy, clear Staff: C. Parker E. Mayle

Equipment Used: Pump, Battery, Bailor + Interface Probe

NAPL Measurement and Recovery Data							
MW ID	Initial Measurements		Gallons Recovered		Final Measurements		Remarks
	DTP	DTW	Skimmer	Bail/Pump	DTP	DTW	
MW-2	14.60	18.79	0.25	3.5	15.03	16.00	DTW after remaining skimmer / Hand Bailed end
MW-3	—————→						buried in frz mud
MW-5	—	14.58					
MW-6	—	15.29					
MW-7	—	15.75					
MW-8	15.26	20.00		2	17.15	17.16	
MW-9	—	15.96				15.96	
MW-10	—	16.11					
MW-11	<del>16.50</del> 16.50	17.41		0.5	16.68	16.88	
MW-14	—	15.95					
MW-15	15.09	15.74		0.5	15.13	15.46	Hand Bailed
MW-18	—————→						J-plug frozen in
MW-27	—	15.39				15.39	
MW-28	14.82	<del>17.88</del>		5.5	—	15.71	
MW-29	15.56	16.29		0.75	15.87	16.17	
MW-30	—————→						buried in frz mud
MW-31	14.94	17.22		2.5	15.47	16.14	

Notes: Bring torch next month!  
Pump filter clogged MW-5