

30-025-43499

HEADER INFORMATION

Company: Nemo Fund I, LLC
 Field: Lea NM
 Site Name Moe 35SA Mag Dec.C 6.15 TO GRID
 Well Name Unit 104H
 Wellpath \ Wellbore # AFE / OCS
 Survey Na Surveys Survey Da 1/11/2017 Survey Ty H 167 - 9917 SURVEY #1 : MWD+HRGM
 Depth Unit ft

SURFACE LOCATION

Site North 878762.1
 Site Eastir 839087.3

BOTTOM HOLE LOCATION

BHL MD 9917
 BHL TVD 5026.36

WELL INFORMATION

Well North 878762.1
 Well Eastir 839087.3
 Rig K.B: 3993
 Vsec Angl 171.98
 Vsec North 0
 Vsec East: 0

SURVEY LIST

MD	INC	AZI	TVD	NS	EW	VSEC	DLS	S/STVD	LeaseN/S	LeaseE/W	Northirg	Easting	Latitude	Longitude
0	0	0	0	0	0	0	0	-3993	0	0	878762.1	839087.3	33° 24'	103° 13' 19.79 W
167	1.38	58.89	166.98	1.04	1.72	-0.79	0.83	-3826.02	1.04	1.72	878763.1	839089	33° 24'	103° 13' 19.77 W
313	1.56	64.87	312.94	2.79	5.03	-2.06	0.16	-3680.06	2.79	5.03	878764.9	839092.3	33° 24'	103° 13' 19.73 W
485	1.75	66.1	484.86	4.85	9.55	-3.47	0.11	-3508.14	4.85	9.55	878767	839096.9	33° 24'	103° 13' 19.68 W
656	0.75	21.8	655.82	6.95	12.35	-5.16	0.77	-3337.18	6.95	12.35	878769.1	839099.7	33° 24'	103° 13' 19.64 W
826	0.81	6.86	825.81	9.17	12.91	-7.28	0.12	-3167.19	9.17	12.91	878771.3	839100.2	33° 24'	103° 13' 19.64 W
997	0.31	313.43	996.8	10.69	12.72	-8.81	0.39	-2996.2	10.69	12.72	878772.8	839100	33° 24'	103° 13' 19.64 W
1167	1	229.58	1166.79	10.05	11.25	-8.38	0.6	-2826.21	10.05	11.25	878772.2	839098.6	33° 24'	103° 13' 19.66 W
1337	0.81	228	1336.77	8.28	9.23	-6.91	0.11	-2656.23	8.28	9.23	878770.4	839096.5	33° 24'	103° 13' 19.68 W
1508	1	227.64	1507.75	6.47	7.23	-5.39	0.11	-2485.25	6.47	7.23	878768.6	839094.5	33° 24'	103° 13' 19.70 W
1678	1.13	223.78	1677.72	4.26	4.97	-3.52	0.09	-2315.28	4.26	4.97	878766.4	839092.3	33° 24'	103° 13' 19.73 W
1848	0.88	225.36	1847.69	2.13	2.88	-1.7	0.15	-2145.31	2.13	2.88	878764.2	839090.2	33° 24'	103° 13' 19.76 W
2019	0.88	223.78	2018.67	0.26	1.04	-0.11	0.01	-1974.33	0.26	1.04	878762.4	839088.3	33° 24'	103° 13' 19.78 W
2189	0.94	237.49	2188.65	-1.43	-1.04	1.28	0.13	-1804.35	-1.43	-1.04	878760.7	839086.3	33° 24'	103° 13' 19.80 W
2287	1.25	245.4	2286.63	-2.31	-2.69	1.91	0.35	-1706.37	-2.31	-2.69	878759.8	839084.6	33° 24'	103° 13' 19.82 W
2386	1.25	263.15	2385.61	-2.89	-4.74	2.2	0.39	-1607.39	-2.89	-4.74	878759.2	839082.6	33° 24'	103° 13' 19.85 W
2556	1.56	274.58	2555.56	-2.93	-8.89	1.66	0.24	-1437.44	-2.93	-8.89	878759.2	839078.4	33° 24'	103° 13' 19.89 W
2726	1.19	288.46	2725.51	-2.18	-12.87	0.37	0.29	-1267.49	-2.18	-12.87	878759.9	839074.4	33° 24'	103° 13' 19.94 W
2897	0.88	305.69	2896.48	-0.85	-15.62	-1.33	0.25	-1096.52	-0.85	-15.62	878761.3	839071.7	33° 24'	103° 13' 19.97 W
3067	0.88	171.04	3066.47	-1.38	-16.48	-0.93	0.96	-926.53	-1.38	-16.48	878760.7	839070.8	33° 24'	103° 13' 19.98 W
3237	1.25	147.49	3236.45	-4.24	-15.28	2.06	0.33	-756.55	-4.24	-15.28	878757.9	839072	33° 24'	103° 13' 19.97 W
3407	1.5	129.56	3406.4	-7.22	-12.57	5.39	0.29	-586.6	-7.22	-12.57	878754.9	839074.7	33° 24'	103° 13' 19.94 W
3578	1.63	132.55	3577.33	-10.29	-9.05	8.92	0.09	-415.67	-10.29	-9.05	878751.8	839078.3	33° 24'	103° 13' 19.90 W
3748	0.94	111.98	3747.29	-12.44	-5.98	11.49	0.48	-245.71	-12.44	-5.98	878749.7	839081.3	33° 24'	103° 13' 19.86 W
3919	1	97.21	3918.27	-13.16	-3.19	12.58	0.15	-74.73	-13.16	-3.19	878748.9	839084.1	33° 24'	103° 13' 19.83 W
4089	1	97.21	4088.24	-13.53	-0.25	13.36	0	95.24	-13.53	-0.25	878748.6	839087.1	33° 24'	103° 13' 19.79 W
4260	1	96.16	4259.21	-13.88	2.71	14.12	0.01	266.21	-13.88	2.71	878748.2	839090	33° 24'	103° 13' 19.76 W
4345	0.94	98.8	4344.2	-14.06	4.14	14.5	0.09	351.2	-14.06	4.14	878748	839091.4	33° 24'	103° 13' 19.74 W
4388	0.94	107.06	4387.2	-14.22	4.83	14.75	0.31	394.2	-14.22	4.83	878747.9	839092.1	33° 24'	103° 13' 19.73 W
4430	3.19	136.06	4429.17	-15.16	5.97	15.85	5.74	436.17	-15.16	5.97	878746.9	839093.3	33° 24'	103° 13' 19.72 W
4473	5.75	139.4	4472.03	-17.66	8.2	18.63	5.98	479.03	-17.66	8.2	878744.4	839095.5	33° 24'	103° 13' 19.69 W
4515	9.25	133.78	4513.67	-21.59	12.01	23.06	8.5	520.67	-21.59	12.01	878740.5	839099.3	33° 24'	103° 13' 19.65 W
4558	13.94	133.25	4555.78	-27.54	18.28	29.82	10.91	562.78	-27.54	18.28	878734.6	839105.6	33° 24'	103° 13' 19.58 W
4601	18.63	132.55	4597.04	-35.74	27.11	39.17	10.92	604.04	-35.74	27.11	878726.4	839114.4	33° 24'	103° 13' 19.47 W
4643	23.13	130.09	4636.27	-45.59	38.37	50.5	10.91	643.27	-45.59	38.37	878716.5	839125.7	33° 24'	103° 13' 19.34 W
4686	28.13	126.92	4675.03	-57.13	52.95	63.95	12.05	682.03	-57.13	52.95	878705	839140.3	33° 24'	103° 13' 19.17 W
4728	32.88	123.76	4711.21	-69.42	70.35	78.55	11.93	718.21	-69.42	70.35	878692.7	839157.7	33° 24'	103° 13' 18.97 W
4771	37.56	123.93	4746.33	-83.23	90.94	95.1	10.89	753.33	-83.23	90.94	878678.9	839178.2	33° 24'	103° 13' 18.73 W
4814	42.06	124.99	4779.35	-98.81	113.63	113.7	10.58	786.35	-98.81	113.63	878663.3	839200.9	33° 24'	103° 13' 18.46 W
4856	45.81	125.69	4809.59	-115.67	137.39	133.7	9	816.59	-115.67	137.39	878646.4	839224.7	33° 24'	103° 13' 18.18 W
4899	50.56	125.34	4838.25	-134.28	163.47	155.77	11.06	845.25	-134.28	163.47	878627.8	839250.8	33° 24'	103° 13' 17.88 W
4941	54.5	125.16	4863.8	-153.51	190.69	178.61	9.39	870.8	-153.51	190.69	878608.6	839278	33° 24'	103° 13' 17.56 W
4984	57.19	125.69	4887.94	-174.13	219.68	203.08	6.34	894.94	-174.13	219.68	878588	839307	33° 24'	103° 13' 17.22 W
5026	62.56	126.92	4909.01	-195.64	248.94	228.46	13.03	916.01	-195.64	248.94	878566.5	839336.2	33° 24'	103° 13' 16.88 W
5069	67.13	124.81	4927.29	-218.43	280.48	255.42	11.52	934.29	-218.43	280.48	878543.7	839367.8	33° 24'	103° 13' 16.51 W
5112	69.19	122.7	4943.28	-240.6	313.66	282.01	6.61	950.28	-240.6	313.66	878521.5	839401	33° 24'	103° 13' 16.12 W
5154	74	122.18	4956.54	-261.97	347.29	307.86	11.51	963.54	-261.97	347.29	878500.1	839434.6	33° 24'	103° 13' 15.73 W
5197	76.25	124.29	4967.58	-284.75	382.04	335.26	7.06	974.58	-284.75	382.04	878477.4	839469.3	33° 24'	103° 13' 15.32 W
5239	76.75	127.8	4977.39	-308.77	415.06	363.66	8.21	984.39	-308.77	415.06	878453.3	839502.4	33° 24'	103° 13' 14.93 W
5282	75	133.07	4987.89	-335.8	446.79	394.85	12.56	994.89	-335.8	446.79	878426.3	839534.1	33° 24'	103° 13' 14.56 W
5324	75.56	139.23	4998.57	-365.08	474.91	427.77	14.25	1005.57	-365.08	474.91	878397	839562.2	33° 24'	103° 13' 14.23 W
5367	77.19	145.38	5008.71	-398.14	500.44	464.06	14.41	1015.71	-398.14	500.44	878364	839587.7	33° 24'	103° 13' 13.94 W
5410	80.25	150.13	5017.12	-433.79	522.92	502.51	12.96	1024.12	-433.79	522.92	878328.3	839610.2	33° 24'	103° 13' 13.68 W
5453	85.56	153.46	5022.43	-471.38	543.08	542.54	14.54	1029.43	-471.38	543.08	878290.7	839630.4	33° 24'	103° 13' 13.44 W

5495	89.81	159.62	5024.13	-509.85	559.77	582.96	17.81	1031.13	-509.85	559.77	878252.3	839647.1	33° 24'	103° 13' 13.25 W
5538	89.31	161.55	5024.46	-550.4	574.06	625.11	4.64	1031.46	-550.4	574.06	878211.7	839661.4	33° 24'	103° 13' 13.09 W
5581	89	162.25	5025.09	-591.27	587.42	667.44	1.78	1032.09	-591.27	587.42	878170.8	839674.7	33° 24'	103° 13' 12.94 W
5623	90.94	164.19	5025.12	-631.48	599.54	708.95	6.53	1032.12	-631.48	599.54	878130.6	839686.8	33° 24'	103° 13' 12.80 W
5654	91.38	167.53	5024.49	-661.53	607.11	739.76	10.87	1031.49	-661.53	607.11	878100.6	839694.4	33° 24'	103° 13' 12.71 W
5685	90.5	170.87	5023.98	-691.97	612.92	770.72	11.14	1030.98	-691.97	612.92	878070.1	839700.2	33° 24'	103° 13' 12.65 W
5716	88.56	175.09	5024.23	-722.73	616.71	801.7	14.98	1031.23	-722.73	616.71	878039.4	839704	33° 24'	103° 13' 12.61 W
5748	87.94	178.07	5025.21	-754.65	618.61	833.58	9.51	1032.21	-754.65	618.61	878007.5	839705.9	33° 24'	103° 13' 12.59 W
5778	88.75	177.9	5026.08	-784.62	619.67	863.4	2.76	1033.08	-784.62	619.67	877977.5	839707	33° 24'	103° 13' 12.58 W
5809	89.19	177.55	5026.64	-815.59	620.9	894.24	1.81	1033.64	-815.59	620.9	877946.5	839708.2	33° 24'	103° 13' 12.57 W
5840	89.38	178.07	5027.02	-846.57	622.08	925.08	1.79	1034.02	-846.57	622.08	877915.5	839709.4	33° 24'	103° 13' 12.56 W
5870	91.13	179.66	5026.89	-876.56	622.68	954.86	7.88	1033.89	-876.56	622.68	877885.5	839710	33° 24'	103° 13' 12.56 W
5901	90.69	179.48	5026.4	-907.55	622.91	985.58	1.53	1033.4	-907.55	622.91	877854.6	839710.2	33° 24'	103° 13' 12.56 W
5932	90.81	179.48	5025.99	-938.55	623.19	1016.32	0.39	1032.99	-938.55	623.19	877823.6	839710.5	33° 24'	103° 13' 12.56 W
5963	92.38	179.83	5025.13	-969.53	623.38	1047.03	5.19	1032.13	-969.53	623.38	877792.6	839710.7	33° 24'	103° 13' 12.56 W
6058	92.81	179.83	5020.83	-1064.44	623.66	1141.04	0.45	1027.83	-1064.44	623.66	877697.7	839711	33° 24'	103° 13' 12.57 W
6150	90.5	180.89	5018.17	-1156.39	623.08	1232.01	2.76	1025.17	-1156.39	623.08	877605.7	839710.4	33° 24'	103° 13' 12.59 W
6242	89.31	182.29	5018.32	-1248.35	620.53	1322.72	2	1025.32	-1248.35	620.53	877513.8	839707.8	33° 24'	103° 13' 12.63 W
6335	91.94	181.94	5017.31	-1341.27	617.1	1414.25	2.85	1024.31	-1341.27	617.1	877420.8	839704.4	33° 24'	103° 13' 12.68 W
6451	93.31	180.36	5012	-1457.12	614.77	1528.64	1.8	1019	-1457.12	614.77	877305	839702.1	33° 24'	103° 13' 12.72 W
6536	93.06	179.3	5007.27	-1541.99	615.02	1612.71	1.28	1014.27	-1541.99	615.02	877220.1	839702.3	33° 24'	103° 13' 12.71 W
6622	91	177.2	5004.23	-1627.88	617.65	1698.14	3.42	1011.23	-1627.88	617.65	877134.2	839705	33° 24'	103° 13' 12.73 W
6707	89.38	177.55	5003.94	-1712.79	621.54	1782.76	1.95	1010.94	-1712.79	621.54	877049.3	839708.8	33° 24'	103° 13' 12.67 W
6792	88.5	176.49	5005.52	-1797.66	625.96	1867.41	1.62	1012.52	-1797.66	625.96	876964.4	839713.3	33° 24'	103° 13' 12.63 W
6878	89.56	176.49	5006.97	-1883.49	631.22	1953.13	1.23	1013.97	-1883.49	631.22	876878.6	839718.5	33° 24'	103° 13' 12.58 W
6963	89.69	176.49	5007.53	-1968.32	636.43	2037.87	0.15	1014.53	-1968.32	636.43	876793.8	839723.7	33° 24'	103° 13' 12.53 W
7049	90.38	177.37	5007.48	-2054.2	641.03	2123.54	1.3	1014.48	-2054.2	641.03	876707.9	839728.3	33° 24'	103° 13' 12.49 W
7134	88.81	177.2	5008.08	-2139.1	645.06	2208.18	1.86	1015.08	-2139.1	645.06	876623	839732.4	33° 24'	103° 13' 12.45 W
7219	89.38	177.72	5009.42	-2224	648.83	2292.78	0.91	1016.42	-2224	648.83	876538.1	839736.1	33° 24'	103° 13' 12.42 W
7304	89.88	178.25	5009.97	-2308.95	651.81	2377.31	0.86	1016.97	-2308.95	651.81	876453.2	839739.1	33° 24'	103° 13' 12.39 W
7390	90	177.37	5010.06	-2394.89	655.1	2462.86	1.03	1017.06	-2394.89	655.1	876367.2	839742.4	33° 24'	103° 13' 12.36 W
7475	88.88	178.25	5010.89	-2479.82	658.35	2547.42	1.68	1017.89	-2479.82	658.35	876282.3	839745.7	33° 24'	103° 13' 12.34 W
7560	87.88	178.43	5013.29	-2564.75	660.81	2631.86	1.2	1020.29	-2564.75	660.81	876197.4	839748.1	33° 24'	103° 13' 12.32 W
7645	89.5	178.78	5015.24	-2649.7	662.88	2716.26	1.95	1022.24	-2649.7	662.88	876112.4	839750.2	33° 24'	103° 13' 12.31 W
7723	88.5	178.78	5016.6	-2727.67	664.54	2793.7	1.28	1023.6	-2727.67	664.54	876034.4	839751.8	33° 24'	103° 13' 12.30 W
7808	88.81	179.3	5018.59	-2812.63	665.96	2878.04	0.71	1025.59	-2812.63	665.96	875949.5	839753.3	33° 24'	103° 13' 12.29 W
7893	88.75	179.66	5020.4	-2897.61	666.73	2962.29	0.43	1027.4	-2897.61	666.73	875864.5	839754	33° 24'	103° 13' 12.29 W
7978	87.44	180.01	5023.23	-2982.56	666.98	3046.44	1.6	1030.23	-2982.56	666.98	875779.6	839754.3	33° 24'	103° 13' 12.30 W
8064	87.44	179.83	5027.07	-3068.47	667.1	3131.53	0.21	1034.07	-3068.47	667.1	875693.6	839754.4	33° 24'	103° 13' 12.31 W
8149	88.06	179.3	5030.41	-3153.4	667.74	3215.72	0.96	1037.41	-3153.4	667.74	875608.7	839755	33° 24'	103° 13' 12.31 W
8234	87.81	178.78	5033.47	-3238.34	669.17	3300.02	0.68	1040.47	-3238.34	669.17	875523.8	839756.5	33° 24'	103° 13' 12.31 W
8319	87.88	179.13	5036.66	-3323.26	670.72	3384.34	0.42	1043.66	-3323.26	670.72	875438.9	839758	33° 24'	103° 13' 12.30 W
8404	89.63	178.95	5038.51	-3408.23	672.14	3468.67	2.07	1045.51	-3408.23	672.14	875353.9	839759.4	33° 24'	103° 13' 12.29 W
8490	92	178.78	5037.29	-3494.19	673.84	3554.03	2.76	1044.29	-3494.19	673.84	875267.9	839761.1	33° 24'	103° 13' 12.28 W
8575	92.44	179.3	5034	-3579.12	675.27	3638.32	0.8	1041	-3579.12	675.27	875183	839762.6	33° 24'	103° 13' 12.28 W
8660	91	178.78	5031.44	-3664.07	676.69	3722.64	1.8	1038.44	-3664.07	676.69	875098	839764	33° 24'	103° 13' 12.27 W
8745	89.69	178.43	5030.93	-3749.04	678.76	3807.07	1.6	1037.93	-3749.04	678.76	875013.1	839766.1	33° 24'	103° 13' 12.26 W
8830	88.88	178.43	5031.99	-3834	681.09	3891.52	0.95	1038.99	-3834	681.09	874928.1	839768.4	33° 24'	103° 13' 12.24 W
8916	89.88	179.66	5032.92	-3919.98	682.52	3976.86	1.84	1039.92	-3919.98	682.52	874842.1	839769.8	33° 23'	103° 13' 12.23 W
9001	91.56	180.18	5031.86	-4004.97	682.64	4061.04	2.07	1038.86	-4004.97	682.64	874757.1	839769.9	33° 23'	103° 13' 12.24 W
9086	91	180.54	5029.96	-4089.94	682.11	4145.11	0.78	1036.96	-4089.94	682.11	874672.2	839769.4	33° 23'	103° 13' 12.26 W
9171	91.13	180.18	5028.38	-4174.93	681.57	4229.19	0.45	1035.38	-4174.93	681.57	874587.2	839768.9	33° 23'	103° 13' 12.28 W
9256	90.38	180.18	5027.26	-4259.92	681.3	4313.31	0.88	1034.26	-4259.92	681.3	874502.2	839768.6	33° 23'	103° 13' 12.29 W
9341	87.81	179.3	5028.6	-4344.9	681.69	4397.51	3.2	1035.6	-4344.9	681.69	874417.2	839769	33° 23'	103° 13' 12.30 W
9426	88.56	178.95	5031.29	-4429.85	682.99	4481.81	0.97	1038.29	-4429.85	682.99	874332.3	839770.3	33° 23'	103° 13' 12.29 W
9512	90.88	178.78	5031.71	-4515.82	684.69	4567.18	2.7	1038.71	-4515.82	684.69	874246.3	839772	33° 23'	103° 13' 12.28 W
9597	91.88	177.9	5029.67	-4600.76	687.15	4651.63	1.57	1036.67	-4600.76	687.15	874161.4	839774.5	33° 23'	103° 13' 12.27 W
9682	90.81	177.02	5027.67	-4685.65	690.92	4736.22	1.63	1034.67	-4685.65	690.92	874076.5	839778.2	33° 23'	103° 13' 12.23 W
9767	89.94	177.02	5027.11	-4770.53	695.34	4820.89	1.02	1034.11	-4770.53	695.34	873991.6	839782.6	33° 23'	103° 13' 12.19 W
9859	90.44	177.55	5026.81	-4862.43	699.69	4912.49	0.79	1033.81	-4862.43	699.69	873899.7	839787	33° 23'	103° 13' 12.15 W
9917	90.44	177.55	5026.36	-4920.37	702.17	4970.22	0	1033.36	-4920.37	702.17	873841.7	839789.5	33° 23'	103° 13' 12.13 W