

TABLE 1
MEGAN H16-33 O SA
SOIL SAMPLE FIELD DATA SUMMARY TABLE
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Approximate Depth (feet bgs)	PID (ppm-v)	Visual Observation	Olfactory Observation	Latitude, Longitude	Submitted for Lab Analysis (Y/N)
Produced Water Vault Soil Samples							
PW-B01 @ 5'	4/25/2023	5	5133	HC staining	HC odor	40.22208254, -104.6733143	Y
PW-N01 @ 2.5'	4/25/2023	2.5	1131	HC staining	HC odor	40.22210114, -104.6733236	Y
PW- S01 @ 2.5'	4/25/2023	2.5	1587	HC staining	HC odor	40.22206912, -104.6733137	Y
PW-E01 @ 2.5'	4/25/2023	2.5	4322	HC staining	HC odor	40.22208804, -104.6732945	Y
PW- W01 @ 2.5'	4/25/2023	2.5	1204	HC staining	HC odor	40.22207804, -104.6733355	Y
PW-B02 @ 8'	5/17/2023	8	1275	HC staining	HC odor	40.22209318, -104.6732973	Y
PW-B03 @ 8'	5/17/2023	8	520	N/S	HC odor	40.22207065, -104.6733261	Y
PW-B04 @ 8'	5/17/2023	8	670	N/S	HC odor	40.22201944, -104.6732416	Y
PW-B05 @ 8'	5/17/2023	8	106	N/S	HC odor	40.2220041, -104.6732732	Y
PW-N02 @ 2.5'	5/17/2023	2.5	40	N/S	Slight HC odor	40.22212656, -104.6732721	Y
PW-N02 @ 5'	5/17/2023	5	12.5	N/S	N/O	40.22212656, -104.6732721	Y
PW-N03 @ 2.5'	5/17/2023	2.5	78.7	N/S	HC odor	40.22209046, -104.6732452	Y
PW-N03 @ 5'	5/17/2023	5	1260	HC staining	HC odor	40.22209046, -104.6732452	Y
PW-N04 @ 2.5'	5/17/2023	2.5	122.1	N/S	HC odor	40.22204474, -104.6732104	Y
PW-N04 @ 5'	5/17/2023	5	41.5	N/S	HC odor	40.22204474, -104.6732104	Y
PW-N05 @ 2.5'	5/17/2023	2.5	6.4	N/S	N/O	40.22201709, -104.6731895	Y
PW-N05 @ 5'	5/17/2023	5	40.7	N/S	Slight HC odor	40.22201709, -104.6731895	Y
PW-S02 @ 2.5'	5/17/2023	2.5	201.3	N/S	Slight HC odor	40.22207768, -104.6733824	Y
PW-S02 @ 5'	5/17/2023	5	5.6	N/S	N/O	40.22207768, -104.6733824	Y
PW-S03 @ 2.5'	5/17/2023	2.5	167	N/S	HC odor	40.22204737, -104.6733552	Y
PW-S03 @ 5'	5/17/2023	5	161.1	HC staining	HC odor	40.22204737, -104.6733552	Y
PW-S04 @ 2.5'	5/17/2023	2.5	5.0	N/S	N/O	40.22201408, -104.6733223	Y
PW-S04 @ 5'	5/17/2023	5	2.2	N/S	N/O	40.22201408, -104.6733223	Y
PW-S05 @ 2.5'	5/17/2023	2.5	1.5	N/S	N/O	40.22197841, -104.6733018	Y
PW-S05 @ 5'	5/17/2023	5	1.7	N/S	N/O	40.22197841, -104.6733018	Y
PW-E02 @ 2.5'	5/17/2023	2.5	5.5	N/S	N/O	40.22198346, -104.6731929	Y
PW-E02 @ 5'	5/17/2023	5	1.3	N/S	N/O	40.22198346, -104.6731929	Y
PW-E03 @ 2.5'	5/17/2023	2.5	1.0	N/S	N/O	40.22195765, -104.6732499	Y
PW-E03 @ 5'	5/17/2023	5	0.8	N/S	N/O	40.22195765, -104.6732499	Y
PW-W02 @ 2.5'	5/17/2023	2.5	5.1	N/S	N/O	40.22214204, -104.6733252	Y
PW-W02 @ 5'	5/17/2023	5	3.8	N/S	N/O	40.22214204, -104.6733252	Y
PW-W03 @ 2.5'	5/17/2023	2.5	11.1	N/S	N/O	40.22211374, -104.6733687	Y
PW-W03 @ 5'	5/17/2023	5	1.0	N/S	N/O	40.22211374, -104.6733687	Y
PW-N02 @ 8'	5/24/2023	8	51.3	N/S	Slight HC odor	40.22213987, -104.67327146	Y
PW-N06 @ 5'	5/24/2023	5	11.4	N/S	Slight HC odor	NA	Y
PW-N03 @ 8'	5/24/2023	8	514.2	N/S	HC odor	40.22209637, -104.67322962	Y
PW-N04 @ 8'	5/24/2023	8	7.1	N/S	N/O	40.22205041, -104.67321020	Y
PW-N05 @ 8'	5/24/2023	8	23.1	N/S	N/O	40.22200658, -104.67318810	Y
PW-S02 @ 8'	5/24/2023	8	7.8	N/S	N/O	40.22206195, -104.67338784	Y
PW-S06 @ 2.5'	5/24/2023	2.5	63.7	N/S	Slight HC odor	NA	Y
PW-S03 @ 8'	5/24/2023	8	258.9	Slight HC staining	HC odor	NA	Y
PW-S04 @ 8'	5/24/2023	8	13.7	N/S	N/O	40.22200051, -104.67331340	Y
PW-S05 @ 8'	5/24/2023	8	3.2	N/S	N/O	40.22196723, -104.67327317	Y
PW-B06 @ 10'	5/24/2023	10	551.6	Slight HC staining	HC odor	40.22205324, -104.67334224	Y
PW-B07 @ 10'	5/24/2023	10	1143	Slight HC staining	HC odor	40.22207167, -104.67329865	Y
PW-B08 @ 10'	5/24/2023	10	114.2	Slight HC staining	HC odor	40.22199078, -104.67325574	Y
PW-E02 @ 8'	5/24/2023	8	455.4	N/S	HC odor	40.22196518, -104.67320075	Y
PW-E03 @ 8'	5/24/2023	8	251.3	N/S	HC odor	40.22193651, -104.67323026	Y
PW-W02 @ 8'	5/24/2023	8	7.1	N/S	N/O	40.22212785, -104.67334005	Y
PW-W03 @ 8'	5/24/2023	8	4.0	N/S	N/O	40.22209803, -104.67338502	Y
PW-B09 @ 12'	5/31/2023	12	1069	HC staining	HC odor	40.22204556, -104.67335364	Y
PW-B10 @ 12'	5/31/2023	12	138.6	Slight HC staining	Slight HC odor	40.22208899, -104.67332823	Y
PW-B11 @ 12'	5/31/2023	12	584.8	Slight HC staining	Slight HC odor	40.22210316, -104.67325372	Y
PW-N02 @ 10'	5/31/2023	10	444.8	N/S	Slight HC odor	40.22214182, -104.67327418	Y
PW-N03 @ 9'	5/31/2023	9	13.1	N/S	N/O	40.22212439, -104.67322656	Y
PW-S02 @ 10'	5/31/2023	10	154.8	N/S	HC odor	40.22206348, -104.67338247	Y
PW-S03 @ 10'	5/31/2023	10	1398	Slight HC staining	HC odor	40.22203129, -104.67338070	Y
PW-E04 @ 8'	5/31/2023	8	11.4	N/S	N/O	40.22192678, -104.67322154	Y
PW-E05 @ 8'	5/31/2023	8	6.8	N/S	N/O	40.22195763, -104.67319237	Y
PW-W02 @ 10'	5/31/2023	10	17.3	N/S	N/O	40.22213274, -104.67334748	Y
PW-W03 @ 10'	5/31/2023	10	58.5	N/S	N/O	40.22211050, -104.67337954	Y
PW-B12 @ 16'	6/14/2023	16	622.8	HC staining	HC odor	40.22202824, -104.6734353	Y
PW-B13 @ 16'	6/14/2023	16	580.2	HC staining	HC odor	40.22206524, -104.6733686	Y
PW-B14 @ 16'	6/14/2023	16	2572	HC staining	HC odor	40.22210924, -104.6732718	Y
PW-N06 @ 8'	6/15/2023	8	89.4	N/S	Slight HC odor	40.22215255, -104.673242	Y
PW-N06 @ 13'	6/15/2023	13	40.2	N/S	Slight HC odor	40.22215255, -104.673242	Y
PW-N07 @ 12'	6/15/2023	12	48.7	N/S	Slight HC odor	40.22211004, -104.6732083	Y
PW-N08 @ 12'	6/15/2023	12	199.6	Slight HC staining	HC odor	40.22206774, -104.6731883	Y
PW-N09 @ 8'	6/15/2023	8	3.0	N/S	N/O	40.22201664, -104.6731582	Y
PW-S06 @ 8'	6/15/2023	8	116.1	Slight HC staining	Slight HC odor	40.22195187, -104.6733409	Y
PW-S06 @ 13'	6/15/2023	13	4.1	N/S	N/O	40.22195187, -104.6733409	Y
PW-S07 @ 12'	6/15/2023	12	6.3	N/S	N/O	40.22194504, -104.6734061	Y
PW-S08 @ 10'	6/15/2023	10	3.2	N/S	N/O	40.22197334, -104.6734476	Y
PW-S08 @ 14'	6/15/2023	14	3.6	N/S	N/O	40.22197334, -104.6734476	Y
PW-S09 @ 10'	6/15/2023	10	2.8	N/S	N/O	40.22200814, -104.6734795	Y
PW-S09 @ 14'	6/15/2023	14	4.0	N/S	N/O	40.22200814, -104.6734795	Y
PW-W04 @ 6'	6/15/2023	6	3.0	N/S	N/O	40.22206041, -104.6734743	Y
PW-W04 @ 13'	6/15/2023	13	225.8	HC staining	HC odor	40.22206041, -104.6734743	Y
PW-W05 @ 10'	6/15/2023	10	5.2	N/S	N/O	40.22209237, -104.673434	Y
PW-W05 @ 14'	6/15/2023	14	110.3	Slight HC staining	HC odor	40.22209237, -104.673434	Y
PW-W06 @ 13'	6/15/2023	13	46.5	N/S	Slight HC odor	40.22213209, -104.6733711	Y
PW-W07 @ 6'	6/15/2023	6	117.5	Slight HC staining	HC odor	40.22216083, -104.6733134	Y

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Sample Location	Date	Approximate Depth (feet bgs)	PID (ppm-v)	Visual Observation	Olfactory Observation	Latitude, Longitude	Submitted for Lab Analysis (Y/N)
PW-W07 @ 13'	6/15/2023	13	150.8	Slight HC staining	HC odor	40.22216083, -104.6733134	Y
PW-B15 @ 16'	6/15/2023	16	30.2	N/S	Slight HC odor	40.22201638, -104.6733436	Y
PW-B16 @ 16'	6/15/2023	16	310.8	HC staining	HC odor	40.22205342, -104.6732744	Y
PW-B17 @ 10'	6/15/2023	10	11.7	N/S	N/O	40.22199744, -104.6731989	Y
PW-B18 @ 18'	6/28/2024	18	1674	Slight HC staining	HC odor	40.2221454066316, -104.673261105971	Y
PW-B19 @ 19'	6/8/2024	19	614.3	Slight HC staining	Slight HC odor	40.2220404470282, -104.673363029903	Y
PW-B20 @ 19'	6/8/2024	19	1371	HC staining	HC odor	40.2220133111062, -104.673416674074	Y
PW-S10 @ 8'	7/12/2023	8	0.1	N/S	N/O	40.22195203, -104.67329101	Y
PW-S10 @ 14'	7/12/2023	14	0.2	N/S	N/O	40.22195203, -104.67329101	Y
PW-S10 @ 19'	7/12/2023	19	36.4	N/S	N/O	40.22195203, -104.67329101	Y
PW-S11 @ 8'	7/12/2023	8	0.8	N/S	N/O	40.22191515, -104.67333810	Y
PW-S11 @ 14'	7/12/2023	14	1.1	N/S	N/O	40.22191515, -104.67333810	Y
PW-S11 @ 19'	7/12/2023	19	27.7	Slight HC staining	Slight HC odor	40.22191515, -104.67333810	Y
PW-S12 @ 8'	7/12/2023	8	0.6	N/S	N/O	40.22188630, -104.67337919	Y
PW-S12 @ 14'	7/12/2023	14	0.5	N/S	N/O	40.22188630, -104.67337919	Y
PW-S12 @ 19'	7/12/2023	19	6	N/S	N/O	40.22188630, -104.67337919	Y
PW-S13 @ 8'	7/12/2023	8	0.4	N/S	N/O	40.22190562, -104.67343559	Y
PW-S13 @ 14'	7/12/2023	14	0.4	N/S	N/O	40.22190562, -104.67343559	Y
PW-S13 @ 19'	7/12/2023	19	0.6	N/S	N/O	40.22190562, -104.67343559	Y
PW-S14 @ 8'	7/12/2023	8	0.4	N/S	N/O	40.22193967, -104.67347288	Y
PW-S14 @ 14'	7/12/2023	14	0.1	N/S	N/O	40.22193967, -104.67347288	Y
PW-S14 @ 19'	7/12/2023	19	29.3	HC staining	HC odor	40.22193967, -104.67347288	Y
PW-S15 @ 8'	7/12/2023	8	0.6	N/S	N/O	40.22198154, -104.67351644	Y
PW-S15 @ 14'	7/12/2023	14	0.5	N/S	N/O	40.22198154, -104.67351644	Y
PW-S15 @ 19'	7/12/2023	19	6.8	N/S	N/O	40.22198154, -104.67351644	Y
PW-N08 @ 8'	7/12/2023	8	26.8	Slight HC staining	Slight HC odor	40.22218083, -104.67320981	Y
PW-N08 @ 14'	7/12/2023	14	324.8	HC staining	HC odor	40.22218083, -104.67320981	Y
PW-N08 @ 19'	7/12/2023	19	1673	HC staining	HC odor	40.22218083, -104.67320981	Y
PW-B21 @ 20'	7/12/2023	20	0.8	N/S	N/O	40.22196108, -104.67334559	Y
PW-B22 @ 20'	7/12/2023	20	0.6	N/S	N/O	40.22191807, -104.67338180	Y
PW-B23 @ 20'	7/12/2023	20	1.5	N/S	N/O	40.22194675, -104.67342874	Y
PW-B24 @ 20'	7/12/2023	20	0.5	N/S	N/O	40.22198156, -104.67346763	Y
PW-B25 @ 20'	7/12/2023	20	8.6	Slight HC staining	Slight HC odor	40.22214950, -104.67325305	Y
PW-B21-01 @ 20'	9/11/2023	20	6.2	N/S	N/O	40.22194114, -104.6733383	Y
PW-B22-01 @ 20'	9/11/2023	20	5.8	N/S	N/O	40.22190944, -104.6733867	Y
PW-B24-01 @ 20'	9/11/2023	20	216	Slight HC staining	Slight HC odor	40.22198208, -104.6734851	Y
PW-N10 @ 14'	9/11/2023	14	0.5	N/S	N/O	40.22220054, -104.673218	Y
PW-N10 @ 19'	9/11/2023	19	342	Slight HC staining	HC odor	40.22220054, -104.673218	Y
PW-N11 @ 12'	9/11/2023	12	0.4	N/S	N/O	40.22212184, -104.6731449	Y
PW-N11 @ 19'	9/11/2023	19	513	Slight HC staining	HC odor	40.22212184, -104.6731449	Y
PW-N12 @ 12'	9/11/2023	12	0.8	N/S	N/O	40.22217256, -104.6731753	Y
PW-N12 @ 19'	9/11/2023	19	1017	HC staining	HC odor	40.22217256, -104.6731753	Y
PW-W08 @ 10'	9/11/2023	10	0.6	N/S	N/O	40.22207162, -104.6735097	Y
PW-W08 @ 15'	9/11/2023	15	0.7	N/S	N/O	40.22207162, -104.6735097	Y
PW-W09 @ 10'	9/11/2023	10	1.5	N/S	N/O	40.22209924, -104.6735268	Y
PW-W09 @ 15'	9/11/2023	15	0.8	N/S	N/O	40.22209924, -104.6735268	Y
PW-W10 @ 10'	9/11/2023	10	0.9	N/S	N/O	40.22212379, -104.6734924	Y
PW-W10 @ 15'	9/11/2023	15	1.1	N/S	N/O	40.22212379, -104.6734924	Y
PW-W11 @ 10'	9/11/2023	10	1.0	N/S	N/O	40.22211951, -104.6734537	Y
PW-W11 @ 15'	9/11/2023	15	1770	HC staining	HC odor	40.22211951, -104.6734537	Y
PW-S16 @ 14'	10/2/2023	14	2.4	N/S	N/O	40.2219174973284, -104.673487253077	Y
PW-S16 @ 19'	10/2/2023	19	1.9	N/S	N/O	40.2219174973284, -104.673487253077	Y
PW-S17 @ 14'	10/2/2023	14	3.7	N/S	N/O	40.2218996806596, -104.673455469756	Y
PW-S17 @ 19'	10/2/2023	19	3.5	N/S	N/O	40.2218996806596, -104.673455469756	Y
PW-S18 @ 14'	10/2/2023	14	1.1	N/S	N/O	40.2218658806507, -104.673341203131	Y
PW-S18 @ 19'	10/2/2023	19	4.1	N/S	N/O	40.2218658806507, -104.673341203131	Y
PW-S19 @ 14'	10/2/2023	14	1.3	N/S	N/O	40.2218925639681, -104.673300319791	Y
PW-S19 @ 19'	10/2/2023	19	2.0	N/S	N/O	40.2218925639681, -104.673300319791	Y
PW-S20 @ 14'	10/2/2023	14	4.1	N/S	N/O	40.221936663956, -104.673268869785	Y
PW-S20 @ 19'	10/2/2023	19	3.9	N/S	N/O	40.221936663956, -104.673268869785	Y
PW-N13 @ 12'	10/2/2023	12	2.8	N/S	N/O	40.2221490472411, -104.67312523643	Y
PW-N14 @ 14'	10/2/2023	14	2.7	N/S	N/O	40.2222019972397, -104.673161203074	Y
PW-N15 @ 14'	10/2/2023	14	3.0	N/S	N/O	40.2222134472485, -104.673213086396	Y
PW-W12 @ 10'	10/2/2023	10	2.6	N/S	N/O	40.2221356973092, -104.67351370302	Y
PW-W12 @ 15'	10/2/2023	15	3.1	N/S	N/O	40.2221356973092, -104.67351370302	Y
PW-N16 @ 14'	10/23/2023	14	1.8	N/S	N/O	40.22223172, -104.6732082	Y
PW-N17 @ 14'	10/23/2023	14	1.5	N/S	N/O	40.22222304, -104.6731699	Y
PW-N18 @ 12'	10/23/2023	12	4.0	N/S	N/O	40.22215334, -104.6731071	Y
PW-N16 @ 12'	10/23/2023	12	1.7	N/S	N/O	40.22223172, -104.6732082	Y
PW-S21 @ 14'	10/23/2023	14	1.0	N/S	N/O	40.22191304, -104.6732453	Y
PW-S21 @ 19'	10/23/2023	19	1087	HC staining	HC odor	40.22191304, -104.6732454	Y
PW-S22 @ 14'	10/23/2023	14	0.6	N/S	N/O	40.22186644, -104.6732521	Y
PW-S22 @ 19'	10/23/2023	19	68.1	N/S	Slight HC odor	40.22186644, -104.6732522	Y
PW-S23 @ 14'	10/23/2023	14	1.3	N/S	N/O	40.22185134, -104.6733134	Y
PW-S23 @ 19'	10/23/2023	19	2.0	N/S	N/O	40.22185134, -104.6733135	Y
PW-S24 @ 19'	10/23/2023	19	0.7	N/S	N/O	40.22188173, -104.6734737	Y
PW-S25 @ 19'	10/23/2023	19	0.5	N/S	N/O	40.2218976, -104.6735092	Y
PW-S26 @ 19'	10/23/2023	19	0.6	N/S	N/O	40.22193454, -104.673532	Y
PW-W13 @ 10'	10/23/2023	10	2.6	N/S	N/O	40.22211184, -104.6735503	Y
PW-W13 @ 15'	10/23/2023	15	1.1	N/S	N/O	40.22211184, -104.6735504	Y
PW-W14 @ 10'	10/23/2023	10	0.7	N/S	N/O	40.22214336, -104.6735374	Y
PW-W14 @ 15'	10/23/2023	15	0.6	N/S	N/O	40.22214336, -104.6735375	Y
PW-W15 @ 10'	10/23/2023	10	2.0	N/S	N/O	40.22215514, -104.6734881	Y

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PW-W15 @ 15'	10/23/2023	15	2.5	N/S	N/O	40.22215514, -104.6734882	Y
PW-N20 @ 14'	11/7/2023	14	2.0	N/S	N/O	40.2223142, -104.6731552	Y
PW-W16 @ 10'	11/7/2023	10	1.5	N/S	N/O	40.22215634, -104.6734751	Y
PW-B26 @ 21'	11/7/2023	21	327.8	HC staining	HC odor	40.22196218, -104.6734693	Y
PW-B26 @ 22'	11/7/2023	22	102.6	N/S	N/O	40.22196218, -104.6734694	Y
PW-B27 @ 30'	3/1/2024	30	1754	HC staining	HC odor	40.22198157, -104.6734663	Y
PW-B28 @ 35'	3/11/2024	35	1316	HC staining	HC odor	40.2219866871698, -104.67343679064	Y
PW-E04 @ 12'	3/20/2024	12	18.1	N/S	Slight HC odor	40.2220302426607, -104.673210526798	Y
PW-E05 @ 15'	3/20/2024	15	0.9	N/S	N/O	40.2220276426637, -104.673247726789	Y
PW-E06 @ 15'	3/20/2024	15	1.5	N/S	N/O	40.2220076426689, -104.673283526783	Y
PW-E07 @ 15'	3/20/2024	15	2.0	N/S	N/O	40.2219802426726, -104.673282226787	Y
PW-E08 @ 15'	3/20/2024	15	11.6	N/S	Slight HC odor	40.2219759351776, -104.673231601699	Y
PW-E09 @ 12'	3/20/2024	12	1924	HC staining	HC odor	40.2219792631687, -104.67320008575	Y
PW-E10 @ 12'	3/20/2024	12	7.3	N/S	N/O	40.2219997431226, -104.673179969185	Y
PW-E11 @ 12'	3/20/2024	12	14.7	N/S	Slight HC odor	40.2220215426599, -104.673181626805	Y
PW-E12 @ 25'	3/20/2024	25	7.9	N/S	N/O	40.2219928426772, -104.673372426764	Y
PW-E13 @ 15'	3/20/2024	15	281.1	HC staining	HC odor	40.2219974391327, -104.673247694947	Y
PW-S27 @ 25'	3/20/2024	25	0.2	N/S	N/O	40.2219549426871, -104.673438826753	Y
PW-W17 @ 25'	3/20/2024	25	0.0	N/S	N/O	40.2219820426865, -104.67348302674	Y
PW-N22 @ 25'	3/20/2024	25	17.7	N/S	N/O	40.2220169426783, -104.673434826747	Y
PW-N21 @ 10'	3/20/2024	10	0.2	N/S	N/O	40.222143342658, -104.673391226742	Y
PW-B29 @ 35'	3/21/2024	35	1044	HC staining	HC odor	40.2219447426825, -104.673353626775	Y
PW-E14 @ 33'	3/22/2024	35	0.8	N/S	N/O	40.2219436426795, -104.673309426785	Y
Tank Battery Soil Samples							
AST-B01 @ 3"	4/18/2023	0.25	6.8	N/S	N/O	40.22205804, -104.6733476	Y
AST-B02 @ 3"	4/18/2023	0.25	4.0	N/S	N/O	40.22203797, -104.6733414	N
AST-B03 @ 3"	4/18/2023	0.25	3.9	N/S	N/O	40.22199456, -104.6733058	Y
AST-B04 @ 3"	4/18/2023	0.25	3.7	N/S	N/O	40.22198111, -104.6732966	N
AST-B05 @ 3"	4/18/2023	0.25	3.4	N/S	N/O	40.22197208, -104.6733649	Y
AST-B06 @ 3"	4/18/2023	0.25	1.9	N/S	N/O	40.22195675, -104.6733568	N
MH-B01 @ 3"	4/26/2023	0.25	1.0	N/S	N/O	40.2220856, -104.6730286	N
MH-B02 @ 3"	4/26/2023	0.25	0.7	N/S	N/O	40.22209787, -104.6730367	N
MH-B03 @ 3"	4/26/2023	0.25	0.9	N/S	N/O	40.22216817, -104.6731449	N
ECD-B01 @ 3"	4/26/2023	0.25	1.1	N/S	N/O	40.22214385, -104.6729279	N
SEP-B01 @ 4'	4/26/2023	4.0	16.2	N/S	N/O	40.22212004, -104.6730192	Y
SEP-B02 @ 4'	4/26/2023	4.0	19.7	N/S	N/O	40.22213878, -104.6729854	Y
DL-B01 @ 3"	4/26/2023	0.25	3.6	N/S	N/O	40.22211048, -104.6732748	N
DL-B02 @ 3"	4/26/2023	0.25	1.0	N/S	N/O	40.22215435, -104.6731148	N
Background Soil Samples							
PW-BG01 @ 3'	5/2/2023	3.0	1.1	N/S	N/O	40.22228183, -104.6730134	Y
PW-BG01 @ 6'	5/2/2023	6.0	1.1	N/S	N/O	40.22228183, -104.6730134	Y
PW-BG02 @ 3'	5/2/2023	3.0	1.2	N/S	N/O	40.22184281, -104.6732986	Y
PW-BG02 @ 6'	5/2/2023	6.0	1.0	N/S	N/O	40.22184281, -104.6732986	Y
PW-BG03 @ 3'	5/2/2023	3.0	0.7	N/S	N/O	40.22194996, -104.6729935	Y
PW-BG03 @ 6'	5/2/2023	6.0	1.0	N/S	N/O	40.22194996, -104.6729935	Y
PW-BG05 @ 16'	6/15/2023	16.0	5.4	N/S	N/O	40.22182035, -104.6736812	Y
PW-BG06 @ 16'	6/15/2023	16	3.1	N/S	N/O	40.22176732, -104.6731713	Y
PW-BG07 @ 8'	9/11/2023	8	0.5	N/S	N/O	40.22185627, -104.6729989	Y
PW-BG07 @ 14'	9/11/2023	14	0.3	N/S	N/O	40.22185627, -104.6729989	Y
PW-BG07 @ 20'	9/11/2023	20	0.4	N/S	N/O	40.22185627, -104.6729989	Y
PW-BG08 @ 8'	9/11/2023	8	0.3	N/S	N/O	40.22177498, -104.6736209	Y
PW-BG08 @ 14'	9/11/2023	14	0.7	N/S	N/O	40.22177498, -104.6736209	Y
PW-BG08 @ 20'	9/11/2023	20	0.4	N/S	N/O	40.22177498, -104.6736209	Y
PW-BG09 @ 8'	9/11/2023	8	2.4	N/S	N/O	40.22228035, -104.673554	Y
PW-BG09 @ 14'	9/11/2023	14	2.6	N/S	N/O	40.22228035, -104.673554	Y
PW-BG09 @ 20'	9/11/2023	20	3.4	N/S	N/O	40.22228035, -104.673554	Y
Background Soil Samples (UPRC H17-99HZ Wellhead)							
WH-BG01 @ 3'	4/14/2023	3	0.8	N/S	N/O	40.2213696208451, -104.677266830023	Y
WH-BG01 @ 6'	4/14/2023	6	0.9	N/S	N/O	40.2213696208451, -104.677266830023	Y
WH-BG02 @ 3'	4/14/2023	3	0.6	N/S	N/O	40.2216270077319, -104.67735097672	Y
WH-BG02 @ 6'	4/14/2023	6	0.8	N/S	N/O	40.2216270077319, -104.67735097672	Y
WH-BG03 @ 3'	4/14/2023	3	0.5	N/S	N/O	40.2217548883174, -104.677261968679	Y
WH-BG03 @ 6'	4/14/2023	6	0.9	N/S	N/O	40.2217548883174, -104.677261968679	Y
WH-BG04 @ 3'	4/14/2023	3	0.4	N/S	N/O	40.2216210243151, -104.677095845832	Y
WH-BG04 @ 6'	4/14/2023	6	0.7	N/S	N/O	40.2216210243151, -104.677095845832	Y
Background Soil Samples (Megan H 16-12 JI Wellhead)							
WH-BG01 @ 3'	11/17/22	3	1.6	N/S	N/O	40.2235326183928, -104.675616050801	Y
WH-BG01 @ 6'	11/17/22	6	1.4	N/S	N/O	40.2235326183928, -104.675616050801	Y
WH-BG02 @ 3'	11/17/22	3	3.3	N/S	N/O	40.223675546143, -104.675615373459	Y
WH-BG02 @ 6'	11/17/22	6	2.9	N/S	N/O	40.223675546143, -104.675615373459	Y

Notes:

bgs = below ground surface
PID = photoionization detector
ppm-v = parts per million by volume
BOLD = exceedance of ECOM Table 915-1 standard

N/S = No Staining
N/O = No Odor
HC = hydrocarbon

TABLE 2
MEGAN H16-33 O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - VOCs
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Naphthalene (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
ECMC standards for soil (mg/kg) ⁽¹⁾		0.0026	0.69	0.78	9.9	500			0.0038	0.0081	0.0087
ECMC standards for soil (mg/kg) ⁽²⁾		1.2	490	5.8	58	500			2	30	27
Produced Water Vault Soil Samples											
PW-B01 @ 5'	4/25/2023	1.62	<0.0500	6.06	11.2	2350	<25.0	<100	1.01	9.51	2.30
PW-N01 @ 2.5'	4/25/2023	0.00220	<0.00200	<0.00200	0.0211	0.899	1320	162	0.00378	0.0298	0.0218
PW- S01 @ 2.5'	4/25/2023	0.00800	<0.00200	<0.00200	0.0221	15.8	198	<100	<0.00201	0.242	0.0651
PW-E01 @ 2.5'	4/25/2023	1.50	0.130	2.72	15.7	1570	<25.0	<100	0.429	7.09	7.34
PW- W01 @ 2.5'	4/25/2023	0.00334	<0.00200	<0.00200	0.00202	0.407	950	102	<0.00201	<0.00200	<0.00200
PW-B02 @ 8'	5/17/2023	17.8	<0.500	12.4	220	4150	1310	163	1.29	56.2	45.6
PW-B03 @ 8'	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	0.334	<25.0	<100	<0.00201	<0.00200	<0.00200
PW-B04 @ 8'	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	0.933	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-B05 @ 8'	5/17/2023	0.00572	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-N02 @ 2.5	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-N02 @ 5'	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-N03 @ 2.5	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	0.00166	<0.00200	<0.00200
PW-N03 @ 5'	5/17/2023	0.915	0.301	2.51	19.4	619	495	<100	0.213	17.0	12.3
PW-N04 @ 2.5	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-N04 @ 5'	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-N05 @ 2.5	5/17/2023	<0.00200	<0.00200	<0.00200	0.00966	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-N05 @ 5'	5/17/2023	<0.00200	<0.00200	<0.00200	0.00996	0.209	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S02 @ 2.5	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S02 @ 5'	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S03 @ 2.5	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	0.919	<25.0	<100	0.00241	0.0216	<0.00200
PW-S03 @ 5'	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	3.64	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S04 @ 2.5	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S04 @ 5'	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S05 @ 2.5	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S05 @ 5'	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-E02 @ 2.5	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-E02 @ 5'	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-E03 @ 2.5	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-E03 @ 5'	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-W02 @ 2.5	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-W02 @ 5'	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-W03 @ 2.5	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-W03 @ 5'	5/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-N02 @ 8'	5/24/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-N06 @ 5'	5/24/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-N03 @ 8'	5/24/2023	0.00286	<0.00200	0.412	0.633	15.8	30.7	<100	0.00626	0.269	0.280
PW-N04 @ 8'	5/24/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-N05 @ 8'	5/24/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	0.00313	<0.00200	<0.00200
PW-S02 @ 8'	5/24/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S06 @ 2.5'	5/24/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S03 @ 8'	5/24/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	0.00153	0.00246	<0.00200
PW-S04 @ 8'	5/24/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S05 @ 8'	5/24/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-B06 @ 10'	5/24/2023	0.196	<0.00200	0.0134	0.0357	0.656	<25.0	<100	0.0407	0.0127	0.0108
PW-B07 @ 10'	5/24/2023	7.87	<0.05000	8.92	206	3340	1890	117	1.4	52.2	37.5
PW-B08 @ 10'	5/24/2023	<0.00200	<0.00200	0.00430	0.00644	<0.200	<25.0	<100	<0.00145	<0.00200	0.00242
PW-E02 @ 8'	5/24/2023	0.109	<0.00200	0.0287	0.769	7.04	<25.0	<100	0.00229	0.014	0.0165
PW-E03 @ 8'	5/24/2023	0.00392	<0.00200	0.0617	0.0875	0.266	<25.0	<100	<0.00145	0.0350	0.0259
PW-W02 @ 8'	5/24/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-W03 @ 8'	5/24/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-B09@12'	5/31/2023	0.0111	<0.00200	<0.00200	7.42	197	84.3	<100	0.0096	0.243	0.354
PW-B10@12'	5/31/2023	0.0204	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-B11@12'	5/31/2023	0.135	<0.00200	0.00830	<0.00200	0.469	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-N02@10'	5/31/2023	<0.00200	<0.00200	<0.00200	<0.00200	1.24	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-N03@9'	5/31/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S02@10'	5/31/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S03@10'	5/31/2023	<0.00200	<0.00200	0.00380	0.00568	23.2	132	<100	<0.00145	0.394	<0.00200
PW-E04@8'	5/31/2023	<0.00200	<0.00200	<0.00200	<0.00200	0.879	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-E05@8'	5/31/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-W02@10'	5/31/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-W03@10'	5/31/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-B12 @ 16'	6/14/2023	0.0119	<0.00200	0.0316	0.342	3.54	64.4	<100	0.119	0.278	0.168
PW-B13 @16'	6/14/2023	<0.00200	<0.00200	<0.00200	<0.00200	0.271	<25.0	<100	<0.002	0.00276	0.00294
PW-B14 @16'	6/14/2023	0.0251	<0.00200	0.0168	0.163	7.52	122	<100	0.027	0.168	0.0751
PW-N06 @8'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-N06 @13'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-N07 @12'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	2.75	<25.0	<100	<0.00145	0.00224	0.0153

TABLE 2
MEGAN H16-33 O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - VOCs
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Naphthalene	1,2,4-TMB (mg/kg)	1,3,5-TMB
ECMC standards for soil (mg/kg) ⁽¹⁾		0.0026	0.69	0.78	9.9	500			0.0038	0.0081	0.0087
PW-N08 @ 12'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	0.875	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-N09 @8'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S06 @8'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S06 @ 13'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S07 @ 12'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S08 @ 10'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S08 @ 14'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S09 @ 10'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S09 @ 14'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-W04 @6'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-W04 @ 13'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	14.2	<25.0	<100	<0.00145	0.119	<0.00200
PW-W05 @ 10'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	0.394	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-W05 @ 14'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	0.741	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-W06 @ 13'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-W07 @6'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-W07 @ 13'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-B15 @ 16'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-B16 @ 16'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-B17 @ 10'	6/15/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S10 @ 8'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S10 @ 14'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S10 @ 19'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	0.588	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S11 @ 8'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S11 @ 14'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S11 @ 19'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	0.471	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S12 @ 8'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S12 @ 14'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S12 @ 19'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S13 @ 8'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW- S13 @ 14'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S13 @ 19'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S14 @ 8'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S14 @ 14'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S14 @ 19'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S15 @ 8'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S15 @ 14'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-S15 @ 19'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	0.229	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-N08 @ 8'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-N08 @ 14'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	6.14	<25.0	<100	<0.00145	0.0468	<0.00200
PW-N08 @ 19'	7/12/2023	<0.00200	<0.00200	0.0911	0.332	19.8	<25.0	<100	0.0144	0.623	0.578
PW-B21 @ 20'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-B22 @ 20'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-B23 @ 20'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-B24 @ 20'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-B25 @ 20'	7/12/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00145	<0.00200	<0.00200
PW-B21-01 @ 20'	9/11/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-B22-01 @ 20'	9/11/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-B24-01 @ 20'	9/11/2023	0.00412	<0.00200	0.00280	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-N10 @ 14'	9/11/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-N10 @ 19'	9/11/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-N11 @ 12'	9/11/2023	<0.00200	<0.00200	<0.00200	<0.00200	0.290	<25.0	<100	<0.002	<0.00200	<0.00200
PW-N11 @ 19'	9/11/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-N12 @ 12'	9/11/2023	<0.00200	<0.00200	<0.00200	<0.00200	0.233	<25.0	<100	<0.002	<0.00200	<0.00200
PW-N12 @ 19'	9/11/2023	<0.00200	<0.00200	<0.00200	<0.00200	0.701	<25.0	<100	<0.002	<0.00200	0.00232
PW-W08 @ 10'	9/11/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-W08 @ 15'	9/11/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-W09 @ 10'	9/11/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-W09 @ 15'	9/11/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-W10 @ 10'	9/11/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-W10 @ 15'	9/11/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-W11 @ 10'	9/11/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-W11 @ 15'	9/11/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-S16 @ 14'	10/2/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-S16 @ 19'	10/2/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-S17 @ 14'	10/2/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-S17 @ 19'	10/2/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-S18 @ 14'	10/2/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-S18 @ 19'	10/2/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-S19 @ 14'	10/2/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-S19 @ 19'	10/2/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200

TABLE 2
MEGAN H16-33 O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - VOCs
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Naphthalene (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
ECMC standards for soil (mg/kg)⁽¹⁾		0.0026	0.69	0.78	9.9	500			0.0038	0.0081	0.0087
PW-S20 @ 14'	10/2/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-S20 @ 19'	10/2/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-N13 @ 12'	10/2/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-N14 @ 14'	10/2/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-N15 @ 14'	10/2/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-W12 @ 10'	10/2/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-W12 @ 15'	10/2/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-N16 @ 14'	10/23/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-N17 @ 14'	10/23/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-N18 @ 12'	10/23/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-N16 @ 12'	10/23/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-S21 @ 14'	10/23/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-S21 @ 19'	10/23/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-S22 @ 14'	10/23/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-S22 @ 19'	10/23/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-S23 @ 14'	10/23/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-S23 @ 19'	10/23/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-S24 @ 19'	10/23/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-S25 @ 19'	10/23/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-S26 @ 19'	10/23/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-W13 @ 10'	10/23/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-W13 @ 15'	10/23/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-W14 @ 10'	10/23/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-W14 @ 15'	10/23/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-W15 @ 10'	10/23/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-W15 @ 15'	10/23/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-N20 @ 14'	11/7/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-W16 @ 10'	11/7/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-B26 @ 21'	11/7/2023	0.00400	<0.00200	0.0133	0.0186	<0.200	<25.0	<100	<0.002	0.00598	0.00276
PW-B26 @ 22'	11/7/2023	0.00306	<0.00200	0.00230	0.0124	0.471	<25.0	<100	<0.002	0.0186	0.0110
PW-B27 @ 30'	3/1/2024	0.0112	<0.00200	0.0415	0.590	9.33	48.8	<100	0.043	0.312	0.244
PW-B28 @ 35'	3/11/2024	0.0112	0.0337	0.0157	0.275	16.9	97.6	<100	0.114	0.229	0.174
PW-E04 @ 12'	3/20/2024	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-E05 @ 15'	3/20/2024	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-E06 @ 15'	3/20/2024	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-E07 @ 15'	3/20/2024	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-E08 @ 15'	3/20/2024	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-E09 @ 12'	3/20/2024	<0.00200	<0.00200	0.00244	<0.00200	7.23	128	<100	0.028	0.145	0.0299
PW-E10 @ 12'	3/20/2024	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-E11 @ 12'	3/20/2024	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-E12 @ 25'	3/20/2024	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-E13 @ 15'	3/20/2024	<0.00200	<0.00200	<0.00200	<0.00200	1.43	<25.0	<100	<0.002	<0.00200	<0.00200
PW-S27 @ 25'	3/20/2024	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-W17 @ 25'	3/20/2024	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-N22 @ 25'	3/20/2024	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-N21 @ 10'	3/20/2024	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-B29 @ 35'	3/21/2024	0.0253	0.0237	0.00764	0.146	2.77	35.1	<100	0.004	0.0473	0.0320
PW-E14 @ 33'	3/22/2024	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
Tank Battery Soil Samples											
AST-B01 @ 3"	4/18/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
AST-B03 @ 3"	4/18/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
AST-B05 @ 3"	4/18/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
SEP-B01 @ 4'	4/26/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
SEP-B02 @ 4'	4/26/2023	<0.00200	<0.00200	<0.00200	<0.00200	0.210	<25.0	<100	0.00412	0.00372	0.00268

Notes:

⁽¹⁾ ECMC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021

⁽²⁾ ECMC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021

ECMC = Energy and Carbon Management Commission

< = Analytical result is less than the laboratory reporting limit

mg/kg = milligrams per kilogram

Values presented in **BOLD** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-ORO = Total petroleum hydrocarbons - oil range organics

TMB = Trimethylbenzene

TABLE 3
MEGAN H16-33 O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - SOIL SUITABILITY FOR RECLAMATION
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Depth (ft. bgs)	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
ECMC standards for soil (mg/kg) ⁽¹⁾			6 - 8.3	<6	<4	2
Site Specific Background Limits			8.67	8.84		
Produced Water Vault Soil Samples						
PW-B01 @ 5'	4/25/2023	5	8.01	17.0	0.971	1.67
PW-N01 @ 2.5'	4/25/2023	2.5	8.16	1.03	0.676	0.249
PW-S01 @ 2.5'	4/25/2023	2.5	7.93	6.65	0.747	0.875
PW-E01 @ 2.5'	4/25/2023	2.5	7.92	5.55	0.753	0.251
PW-W01 @ 2.5'	4/25/2023	2.5	8.14	0.152	0.459	0.256
PW-B02 @ 8'	5/17/2023	8	8.44*	13.7	NA	NA
PW-B03 @ 8'	5/17/2023	8	8.64*	13.6	NA	NA
PW-B04 @ 8'	5/17/2023	8	8.46*	1.73	NA	NA
PW-B05 @ 8'	5/17/2023	8	8.5*	1.26	NA	NA
PW-N02 @ 2.5	5/17/2023	2.5	8.31*	0.209	NA	NA
PW-N02 @ 5'	5/17/2023	5	8.31*	0.412	NA	NA
PW-N03 @ 2.5	5/17/2023	2.5	8.46*	0.635	NA	NA
PW-N03 @ 5'	5/17/2023	5	7.81	0.674	NA	NA
PW-N04 @ 2.5	5/17/2023	2.5	8.24	0.339	NA	NA
PW-N04 @ 5'	5/17/2023	5	8.43*	0.484	NA	NA
PW-N05 @ 2.5	5/17/2023	2.5	8.45*	0.280	NA	NA
PW-N05 @ 5'	5/17/2023	5	8.22	0.274	NA	NA
PW-S02 @ 2.5	5/17/2023	2.5	8.26	1.38	NA	NA
PW-S02 @ 5'	5/17/2023	5	8.30	0.571	NA	NA
PW-S03 @ 2.5	5/17/2023	2.5	8.50*	3.84	NA	NA
PW-S03 @ 5'	5/17/2023	5	8.52*	7.74	NA	NA
PW-S04 @ 2.5	5/17/2023	2.5	8.51*	0.684	NA	NA
PW-S04 @ 5'	5/17/2023	5	8.37*	0.462	NA	NA
PW-S05 @ 2.5	5/17/2023	2.5	8.40*	0.303	NA	NA
PW-S05 @ 5'	5/17/2023	5	8.53*	0.537	NA	NA
PW-E02 @ 2.5	5/17/2023	2.5	7.75	0.262	NA	NA
PW-E02 @ 5'	5/17/2023	5	8.26	0.0713	NA	NA
PW-E03 @ 2.5	5/17/2023	2.5	8.31*	0.335	NA	NA
PW-E03 @ 5'	5/17/2023	5	8.46*	0.329	NA	NA
PW-W02 @ 2.5	5/17/2023	2.5	8.26	0.522	NA	NA
PW-W02 @ 5'	5/17/2023	5	8.37*	0.730	NA	NA
PW-W03 @ 2.5	5/17/2023	2.5	8.28	0.458	NA	NA
PW-W03 @ 5'	5/17/2023	5	8.25	0.675	NA	NA
PW-N02 @ 8'	5/24/2023	8	8.45*	8.10	NA	NA
PW-N06 @ 5'	5/24/2023	5	8.36*	0.691	NA	NA
PW-N03 @ 8'	5/24/2023	8	8.20	3.81	NA	NA
PW-N04 @ 8'	5/24/2023	8	8.42*	0.832	NA	NA
PW-N05 @ 8'	5/24/2023	8	8.36*	0.738	NA	NA
PW-S02 @ 8'	5/24/2023	8	8.31*	0.437	NA	NA
PW-S06 @ 2.5'	5/24/2023	2.5	8.51*	0.308	NA	NA
PW-S03 @ 8'	5/24/2023	8	8.24	0.228	NA	NA
PW-S04 @ 8'	5/24/2023	8	8.18	0.0916	NA	NA
PW-S05 @ 8'	5/24/2023	8	8.29	0.489	NA	NA
PW-B06 @ 10'	5/24/2023	10	8.39*	2.81	NA	NA
PW-B07 @ 10'	5/24/2023	10	7.87	6.65	NA	NA
PW-B08 @ 10'	5/24/2023	10	8.34*	0.343	NA	NA
PW-E02 @ 8'	5/24/2023	8	8.34*	2.31	NA	

TABLE 3
MEGAN H16-33 O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - SOIL SUITABILITY FOR RECLAMATION
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Depth (ft. bgs)	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
ECMC standards for soil (mg/kg) ⁽¹⁾			6 - 8.3	<6	<4	2
PW-E03 @ 8'	5/24/2023	8	8.40*	1.43	NA	NA
PW-W02 @ 8'	5/24/2023	8	8.36*	1.10	NA	NA
PW-W03 @ 8'	5/24/2023	8	8.39*	0.388	NA	NA
PW-B09@12'	5/31/2023	12	8.04	3.38	NA	NA
PW-B10@12'	5/31/2023	12	8.07	1.94	NA	NA
PW-B11@12'	5/31/2023	12	8.18	6.29*	NA	NA
PW-N02@10'	5/31/2023	10	8.35*	7.33	NA	NA
PW-N03@9'	5/31/2023	9	8.26	0.736	NA	NA
PW-S02@10'	5/31/2023	10	8.23	1.95	NA	NA
PW-S03@10'	5/31/2023	10	8.19	1.82	NA	NA
PW-E04@8'	5/31/2023	8	8.33*	0.109	NA	NA
PW-E05@8'	5/31/2023	8	8.40*	0.912	NA	NA
PW-W02@10'	5/31/2023	10	8.33*	2.66	NA	NA
PW-W03@10'	5/31/2023	10	8.29	1.26	NA	NA
PW-B12 @ 16'	6/14/2023	16	8.27	7.81	NA	NA
PW-B13 @16'	6/14/2023	16	8.59*	9.11	NA	NA
PW-B14 @16'	6/14/2023	16	8.35*	4.41	NA	NA
PW-N06 @8'	6/15/2023	8	8.48*	0.557	NA	NA
PW-N06 @13'	6/15/2023	13	8.49*	6.88	NA	NA
PW-N07 @12'	6/15/2023	12	8.57*	5.86	NA	NA
PW-N08 @12'	6/15/2023	12	8.49*	4.41	NA	NA
PW-N09 @8'	6/15/2023	8	8.52*	1.82	NA	NA
PW-S06 @8'	6/15/2023	8	8.46*	0.694	NA	NA
PW-S06 @13'	6/15/2023	13	8.79*	6.91	NA	NA
PW-S07 @12'	6/15/2023	12	8.73*	6.93	NA	NA
PW-S08 @10'	6/15/2023	10	8.47*	0.699	NA	NA
PW-S08 @14'	6/15/2023	14	8.43*	1.76	NA	NA
PW-S09 @10'	6/15/2023	10	8.34*	0.771	NA	NA
PW-S09 @14'	6/15/2023	14	8.43*	1.21	NA	NA
PW-W04 @6'	6/15/2023	6	8.33*	0.479	NA	NA
PW-W04 @13'	6/15/2023	13	8.37*	1.56	NA	NA
PW-W05 @10'	6/15/2023	10	8.37*	0.438	NA	NA
PW-W05 @14'	6/15/2023	14	8.41*	0.721	NA	NA
PW-W06 @13'	6/15/2023	13	8.42*	4.01	NA	NA
PW-W07 @6'	6/15/2023	6	8.38*	0.764	NA	NA
PW-W07 @13'	6/15/2023	13	8.50*	3.50	NA	NA
PW-B15 @16'	6/15/2023	16	8.51*	5.49	NA	NA
PW-B16 @16'	6/15/2023	16	8.37*	3.90	NA	NA
PW-B17 @10'	6/15/2023	10	8.46*	2.12	NA	NA
PW-S10 @ 8'	7/12/2023	8	8.23	0.394	NA	NA
PW-S10 @ 14'	7/12/2023	14	8.55*	2.93	NA	NA
PW-S10 @ 19'	7/12/2023	19	8.70*	9.39	NA	NA
PW-S11 @ 8'	7/12/2023	8	8.57*	1.44	NA	NA
PW-S11 @ 14'	7/12/2023	14	8.66*	8.86	NA	NA
PW-S11 @ 19'	7/12/2023	19	8.70*	9.70	NA	NA
PW-S12 @ 8'	7/12/2023	8	8.62*	2.72	NA	NA
PW-S12 @ 14'	7/12/2023	14	8.65*	8.30	NA	NA
PW-S12 @ 19'	7/12/2023	19	8.64*	8.49	NA	NA
PW-S13 @ 8'	7/12/2023	8	8.58*	0.952	NA	NA

TABLE 3
MEGAN H16-33 O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - SOIL SUITABILITY FOR RECLAMATION
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Depth (ft. bgs)	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
ECMC standards for soil (mg/kg) ⁽¹⁾			6 - 8.3	<6	<4	2
PW- S13 @ 14'	7/12/2023	14	8.83*	6.41*	NA	NA
PW-S13 @ 19'	7/12/2023	19	8.70*	8.67	NA	NA
PW-S14 @ 8'	7/12/2023	8	8.56*	1.12	NA	NA
PW-S14 @ 14'	7/12/2023	14	8.76*	7.11	NA	NA
PW-S14 @ 19'	7/12/2023	19	8.75*	8.39	NA	NA
PW-S15 @ 8'	7/12/2023	8	8.54*	0.183	NA	NA
PW-S15 @ 14'	7/12/2023	14	8.74*	5.95	NA	NA
PW-S15 @ 19'	7/12/2023	19	8.65*	6.07*	NA	NA
PW-N08 @ 8'	7/12/2023	8	8.26	0.327	NA	NA
PW-N08 @ 14'	7/12/2023	14	8.35*	4.00	NA	NA
PW-N08 @ 19'	7/12/2023	19	8.26	5.46	NA	NA
PW-B21 @ 20'	7/12/2023	20	8.20	7.58	NA	NA
PW-B22 @ 20'	7/12/2023	20	8.39*	6.96	NA	NA
PW-B23 @ 20'	7/12/2023	20	8.68*	5.29	NA	NA
PW-B24 @ 20'	7/12/2023	20	8.57*	6.91	NA	NA
PW-B25 @ 20'	7/12/2023	20	8.30	5.91	NA	NA
PW-B21-01 @ 20'	9/11/2023	20	8.29	7.50*	NA	NA
PW-B22-01 @ 20'	9/11/2023	20	8.31*	3.00	NA	NA
PW-B24-01 @ 20'	9/11/2023	20	8.50*	7.11*	NA	NA
PW-N10 @ 14'	9/11/2023	14	8.27	0.371	NA	NA
PW-N10 @ 19'	9/11/2023	19	8.44*	3.38	NA	NA
PW-N11 @ 12'	9/11/2023	12	8.35*	0.433	NA	NA
PW-N11 @ 19'	9/11/2023	19	8.51*	3.69	NA	NA
PW-N12 @ 12'	9/11/2023	12	8.40*	2.77	NA	NA
PW-N12 @ 19'	9/11/2023	19	8.47*	4.81	NA	NA
PW-W08 @ 10'	9/11/2023	10	8.37*	1.07	NA	NA
PW-W08 @ 15'	9/11/2023	15	8.44*	1.96	NA	NA
PW-W09 @ 10'	9/11/2023	10	8.41*	2.33	NA	NA
PW-W09 @ 15'	9/11/2023	15	8.57*	9.13	NA	NA
PW-W10 @ 10'	9/11/2023	10	8.57*	6.99*	NA	NA
PW-W10 @ 15'	9/11/2023	15	8.53*	8.82*	NA	NA
PW-W11 @ 10'	9/11/2023	10	8.55*	4.28	NA	NA
PW-W11 @ 15'	9/11/2023	15	8.58*	8.43*	NA	NA
PW-S16 @ 14'	10/2/2023	14	8.53	3.06	NA	NA
PW-S16 @ 19'	10/2/2023	19	8.52	3.99	NA	NA
PW-S17 @ 14'	10/2/2023	14	8.72	3.03	NA	NA
PW-S17 @ 19'	10/2/2023	19	8.68	5.43	NA	NA
PW-S18 @ 14'	10/2/2023	14	8.77*	6.74*	NA	NA
PW-S18 @ 19'	10/2/2023	19	8.73*	7.43*	NA	NA
PW-S19 @ 14'	10/2/2023	14	8.55*	5.54	NA	NA
PW-S19 @ 19'	10/2/2023	19	8.56*	1.35	NA	NA
PW-S20 @ 14'	10/2/2023	14	8.36*	0.188	NA	NA
PW-S20 @ 19'	10/2/2023	19	8.49*	2.18	NA	NA
PW-N13 @ 12'	10/2/2023	12	8.31*	0.290	NA	NA
PW-N14 @ 14'	10/2/2023	14	8.29	0.593	NA	NA
PW-N15 @ 14'	10/2/2023	14	8.37*	0.860	NA	NA
PW-W12 @ 10'	10/2/2023	10	8.42*	0.301	NA	NA
PW-W12 @ 15'	10/2/2023	15	8.17	7.68*	NA	NA
PW-N16 @ 14'	10/23/2023	14	8.34*	2.63	NA	NA

TABLE 3
MEGAN H16-33 O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - SOIL SUITABILITY FOR RECLAMATION
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Depth (ft. bgs)	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
ECMC standards for soil (mg/kg) ⁽¹⁾			6 - 8.3	<6	<4	2
PW-N17 @ 14'	10/23/2023	14	8.31*	0.546	NA	NA
PW-N18 @ 12'	10/23/2023	12	8.32*	0.875	NA	NA
PW-N16 @ 12'	10/23/2023	12	8.39*	0.588	NA	NA
PW-S21 @ 14'	10/23/2023	14	8.32*	1.94	NA	NA
PW-S21 @ 19'	10/23/2023	19	8.53*	6.30*	NA	NA
PW-S22 @ 14'	10/23/2023	14	8.55*	4.46	NA	NA
PW-S22 @ 19'	10/23/2023	19	8.56*	8.09*	NA	NA
PW-S23 @ 14'	10/23/2023	14	8.53*	7.34*	NA	NA
PW-S23 @ 19'	10/23/2023	19	8.48*	5.93	NA	NA
PW-S24 @ 19'	10/23/2023	19	8.63*	7.19*	NA	NA
PW-S25 @ 19'	10/23/2023	19	8.64*	8.32*	NA	NA
PW-S26 @ 19'	10/23/2023	19	8.56*	5.87	NA	NA
PW-W13 @ 10'	10/23/2023	10	8.59*	8.69	NA	NA
PW-W13 @ 15'	10/23/2023	15	8.19	6.86*	NA	NA
PW-W14 @ 10'	10/23/2023	10	8.59*	7.41*	NA	NA
PW-14 @ 15'	10/23/2023	15	8.10	7.54*	NA	NA
PW-W15 @ 10'	10/23/2023	10	8.60*	9.17	NA	NA
PW-W15 @ 15'	10/23/2023	15	8.07	8.38*	NA	NA
PW-N20 @ 14'	11/7/2023	14	8.08	0.396	NA	NA
PW-W16 @ 10'	11/7/2023	10	8.39*	9.21	NA	NA
PW-B26 @ 21'	11/7/2023	21	8.12	6.38*	NA	NA
PW-B26 @ 22'	11/7/2023	22	8.31*	7.14*	NA	NA
PW-B27 @ 30'	3/1/2024	30	8.45*	7.33*	1.35	<1.00
PW-B28 @ 35'	3/11/2024	35	8.51*	4.57	0.384	0.580
PW-E04 @ 12'	3/20/2024	12	8.15	1.92	NA	NA
PW-E05 @ 15'	3/20/2024	15	8.16	2.18	NA	NA
PW-E06 @ 15'	3/20/2024	15	8.15	2.22	NA	NA
PW-E07 @ 15'	3/20/2024	15	8.23	2.24	NA	NA
PW-E08 @ 15'	3/20/2024	15	8.48*	1.65	NA	NA
PW-E09 @ 12'	3/20/2024	12	8.45*	4.95	NA	NA
PW-E10 @ 12'	3/20/2024	12	8.36*	1.56	NA	NA
PW-E11 @ 12'	3/20/2024	12	8.41*	2.19	NA	NA
PW-E12 @ 25'	3/20/2024	25	8.14	2.55	NA	NA
PW-E13 @ 15'	3/20/2024	15	8.61*	6.18*	NA	NA
PW-S27 @ 25'	3/20/2024	25	8.28	3.63	NA	NA
PW-W17 @ 25'	3/20/2024	25	8.61*	4.38	NA	NA
PW-N22 @ 25'	3/20/2024	25	8.59*	18.4	NA	NA
PW-N21 @ 10'	3/20/2024	10	8.21	2.00	NA	NA
PW-B29 @ 35'	3/21/2024	35	8.55*	5.39	NA	NA
PW-E14 @ 33'	3/22/2024	35	8.57*	8.01*	NA	NA
Tank Battery Soil Samples						
AST-B01 @ 3"	4/18/2023	0.25	9.61*	23.9	0.774	<0.0989
AST-B03 @ 3"	4/18/2023	0.25	8.28	0.559	0.514	0.103
AST-B05 @ 3"	4/18/2023	0.25	8.30	0.207	2.46	0.348
SEP-B01 @ 4'	4/26/2023	4	8.12	0.0601	0.32	<0.0982
SEP-B02 @ 4'	4/26/2023	4	8.20	0.0885	0.214	<0.0987
Background Soil Samples						
PW-BG01 @ 3'	5/2/2023	3.0	7.08	1.52	0.205	<0.0985
PW-BG01 @ 6'	5/2/2023	6.0	7.85	0.840	0.384	

TABLE 3
MEGAN H16-33 O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - SOIL SUITABILITY FOR RECLAMATION
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Depth (ft. bgs)	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
ECMC standards for soil (mg/kg) ⁽¹⁾			6 - 8.3	<6	<4	2
PW-BG02 @ 3'	5/2/2023	3.0	8.02	0.0542	0.273	0.422
PW-BG02 @ 6'	5/2/2023	6.0	8.18	0.217	0.313	0.532
PW-BG03 @ 3'	5/2/2023	3.0	7.92	0.462	2.19	0.243
PW-BG03 @ 6'	5/2/2023	6.0	7.91	0.861	3.28	0.289
PW-BG04 @ 3'	5/2/2023	3.0	8.29	0.0712	0.226	0.121
PW-BG04 @ 6'	5/2/2023	6.0	8.35	0.148	0.270	0.153
PW-BG05 @ 16'	6/15/2023	16.0	8.59	6.84	NA	NA
PW-BG06 @ 16'	6/15/2023	16	8.67	6.11	NA	NA
PW-BG07 @ 8'	9/11/2023	8	8.44	0.226	NA	NA
PW-BG07 @ 14'	9/11/2023	14	8.40	0.973	NA	NA
PW-BG07 @ 20'	9/11/2023	20	8.39	4.00	NA	NA
PW-BG08 @ 8'	9/11/2023	8	8.22	8.59	NA	NA
PW-BG08 @ 14'	9/11/2023	14	8.26	8.42	NA	NA
PW-BG08 @ 20'	9/11/2023	20	8.32	8.84	NA	NA
PW-BG09 @ 8'	9/11/2023	8	8.56	6.18	NA	NA
PW-BG09 @ 14'	9/11/2023	14	8.35	7.42	NA	NA
PW-BG09 @ 20'	9/11/2023	20	8.43	6.81	NA	NA
Background Soil Samples (UPRC H17-99HZ Wellhead)						
WH-BG01 @ 3'	4/14/23	3	6.54	0.697	0.264	<0.100
WH-BG01 @ 6'	4/14/23	6	7.90	1.33	1.36	0.143
WH-BG02 @ 3'	4/14/23	3	6.40	0.369	0.811	<0.0991
WH-BG02 @ 6'	4/14/23	6	7.47	0.353	0.558	<0.0996
WH-BG03 @ 3'	4/14/23	3	7.78	0.201	0.241	0.126
WH-BG03 @ 6'	4/14/23	6	8.24	1.48	0.407	0.147
WH-BG04 @ 3'	4/14/23	3	8.06	0.59	1.07	0.141
WH-BG04 @ 6'	4/14/23	6	8.24	0.765	0.568	<0.0987
Background Soil Samples (Megan H 16-12 JI Wellhead)						
WH-BG01 @ 3'	11/17/22	3	8.37	0.0943	0.265	0.119
WH-BG01 @ 6'	11/17/22	6	8.37	0.189	0.484	0.264
WH-BG02 @ 3'	11/17/22	3	8.39	0.425	0.409	0.426
WH-BG02 @ 6'	11/17/22	6	8.23	0.397	0.442	0.669

Notes:

⁽¹⁾ Standards for soil are taken from ECMC Table 915-1, effective January 15, 2021

ECMC = Energy and Carbon Management Commission

(<) = Analytical result is less than the indicated laboratory reporting limit

ft. bgs = Feet below ground surface

mmhos/cm = Millimhos per centimeter

mg/L = Milligrams per liter

SAR = Sodium Absorption Ratio

EC = Electrical Conductivity

Values presented in **BOLD** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations

Values presented in **BOLD*** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations, but were within site specific background limits.

TABLE 4
MEGAN H16-33 O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - PAHs
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	1-Methyl-naphthalene (mg/kg)	2-Methyl-naphthalene (mg/kg)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)-anthracene (mg/kg)	Benzo(a)-pyrene (mg/kg)	Benzo(b)-fluoranthene (mg/kg)	Benzo(k)-fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)-anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Ideno(1,2,3-cd)-pyrene (mg/kg)	Pyrene (mg/kg)
ECMC standards for soil (mg/kg) ⁽¹⁾		0.006	0.019	0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3
ECMC standards for soil (mg/kg) ⁽²⁾		18	24	360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180
Produced Water Vault Soil Samples															
PW-B01 @ 5'	4/25/2023	0.969	2.53	0.111	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.00998	<0.00067	<0.00067	0.0647	<0.00067	0.00795
PW-N01 @ 2.5'	4/25/2023	0.00924	0.0124	0.0013	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.000457	0.0021	<0.00067	<0.00067
PW-S01 @ 2.5'	4/25/2023	0.0596	0.0677	0.0112	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.0137	<0.00067	<0.00067
PW-E01 @ 2.5'	4/25/2023	0.595	1.11	0.0738	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.01	<0.00067	<0.00067	0.0633	<0.00067	<0.00067
PW-W01 @ 2.5'	4/25/2023	<0.00201	<0.00201	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
PW-B02 @ 8'	5/17/2023	1.97	1.63	0.303	NA	NA	NA	NA	NA	0.0292	NA	0.00534	0.311	NA	0.022
PW-B03 @ 8'	5/17/2023	0.00166	0.00214	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	0.000974	NA	<0.00067
PW-B04 @ 8'	5/17/2023	0.00238	0.0042	0.000872	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	0.00216	NA	<0.00067
PW-B05 @ 8'	5/17/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	0.000722	NA	<0.00067
PW-N02 @ 2.5'	5/17/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	0.0026	NA	0.00541	0.000399	NA	0.005
PW-N02 @ 5'	5/17/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	0.00103	0.00037	NA	0.000774
PW-N03 @ 2.5'	5/17/2023	0.0018	0.00362	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-N03 @ 5'	5/17/2023	0.347	0.275	0.0884	NA	NA	NA	NA	NA	0.00982	NA	0.00169	0.073	NA	0.00534
PW-N04 @ 2.5'	5/17/2023	0.00114	0.00237	0.000359	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	0.000897	NA	<0.00067
PW-N04 @ 5'	5/17/2023	0.00109	0.00213	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	0.000615	NA	<0.00067
PW-N05 @ 2.5'	5/17/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-N05 @ 5'	5/17/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	0.000645	NA	<0.00067	0.000338	NA	<0.00067
PW-S02 @ 2.5'	5/17/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-S02 @ 5'	5/17/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-S03 @ 2.5'	5/17/2023	0.00223	0.00346	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	0.000356	NA	<0.00067
PW-S03 @ 5'	5/17/2023	0.00281	0.00277	0.000424	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	0.0026	NA	<0.00067
PW-S04 @ 2.5'	5/17/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-S04 @ 5'	5/17/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-S05 @ 2.5'	5/17/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-S05 @ 5'	5/17/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-E02 @ 2.5'	5/17/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-E02 @ 5'	5/17/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	0.000396	<0.00067	NA	0.000667
PW-E03 @ 2.5'	5/17/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-E03 @ 5'	5/17/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-W02 @ 2.5'	5/17/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-W02 @ 5'	5/17/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-W03 @ 2.5'	5/17/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-W03 @ 5'	5/17/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-N02 @ 8'	5/24/2023	<0.00201	<0.00201	0.000405	NA	NA	NA	NA	NA	0.00173	NA	0.0032	0.00119	NA	0.002
PW-N06 @ 5'	5/24/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-N03 @ 8'	5/24/2023	0.0226	0.033	0.00659	NA	NA	NA	NA	NA	0.00109	NA	<0.00067	0.0136	NA	0.0009
PW-N04 @ 8'	5/24/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	0.000429	<0.00067	NA	<0.00067
PW-N05 @ 8'	5/24/2023	<0.00201	<0.00201	0.00442	NA	NA	NA	NA	NA	0.0203	NA	0.0397	0.00396	NA	0.0275
PW-S02 @ 8'	5/24/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-S06 @ 2.5'	5/24/2023	0.0023	0.00451	0.00109	NA	NA	NA	NA	NA	<0.00067	NA	0.00051	0.00252	NA	<0.00067
PW-S03 @ 8'	5/24/2023	0.00384	0.00811	0.000594	NA	NA	NA	NA	NA	0.000955	NA	0.000586	0.000735	NA	0.000679
PW-S04 @ 8'	5/24/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	0.000571	<0.00067	NA	<0.00067
PW-S05 @ 8'	5/24/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-B06 @ 10'	5/24/2023	0.0432	0.0173	0.0173	NA	NA	NA	NA	NA	0.00411	NA	0.00815	0.0434	NA	0.0175
PW-B07 @ 10'	5/24/2023	2.46	4.66	0.314	NA	NA	NA	NA	NA	0.0153	NA	<0.0134	0.426	NA	0.014
PW-B08 @ 10'	5/24/2023	0.00153	0.00327	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-E02 @ 8'	5/24/2023	0.014	0.0165	0.004	NA	NA	NA	NA	NA	0.00153	NA	0.00142	0.0109	NA	0.002
PW-E03 @ 8'	5/24/2023	0.00733	0.00482	0.00206	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	0.00565	NA	<0.00067
PW-W02 @ 8'	5/24/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	0.000339	NA	<0.00067
PW-W03 @ 8'	5/24/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-B09 @ 12'	5/31/2023	0.292	0.0554	0.00591	NA	NA	NA	NA	NA	0.000838	NA	<0.00067	0.0113	NA	<0.00067
PW-B10 @ 12'	5/31/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-B11 @ 12'	5/31/2023	0.00258	0.00691	0.000801	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00201	NA	<0.00067
PW-N02 @ 10'	5/31/2023	0.00159	0.00194	0.00056	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	0.00164	NA	<0.00067
PW-N03 @ 9'	5/31/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-S02 @ 10'	5/31/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-S03 @ 10'	5/31/2023	0.00189	0.00174	0.00174	NA	NA	NA	NA	NA	0.000655	NA	<0.00067	0.00594	NA	<0.00067
PW-E04 @ 8'	5/31/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-E05 @ 8'	5/31/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-W02 @ 10'	5/31/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-W03 @ 10'	5/31/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	0.00031	NA	<0.00067
PW-B12 @ 16'	6/14/2023	0.109	0.304	<0.002	NA	NA	NA	NA	NA	<0.020	NA	<0.020	0.021	NA	<0.020
PW-B13 @ 16'	6/14/2023	<0.002	0.002	<0.002	NA	NA	NA	NA	NA	<0.002	NA	<0.002	<0.002	NA	<0.002
PW-B14 @ 16'	6/14/2023	0.045	0.114	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-N06 @ 8'	6/15/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-N06 @ 13'	6/15/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	0.000443	<0.00067	NA	<0.00067
PW-N07 @ 12'	6/15/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	0.000464	<0.00067	NA	<0.00067

TABLE 4
MEGAN H16-33 O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - PAHs
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	1-Methyl-naphthalene (mg/kg)	2-Methyl-naphthalene (mg/kg)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)-anthracene (mg/kg)	Benzo(a)-pyrene (mg/kg)	Benzo(b)-fluoranthene (mg/kg)	Benzo(k)-fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)-anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Ideno(1,2,3-cd)-pyrene (mg/kg)	Pyrene (mg/kg)
ECMC standards for soil (mg/kg) ¹⁰		0.006	0.019	0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3
PW-N08 @12'	6/15/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	0.000446	0.000927	NA	0.000655
PW-N09 @8'	6/15/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	0.00204	NA	0.00422	0.000328	NA	0.00314
PW-S06 @8'	6/15/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-S06 @13'	6/15/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-S07 @12'	6/15/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-S08 @10'	6/15/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	0.000955	<0.00067	NA	<0.00067
PW-S08 @14'	6/15/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	0.000804	NA	0.00285	0.00046	NA	0.00223
PW-S09 @10'	6/15/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-S09 @14'	6/15/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-W04 @6'	6/15/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-W04 @13'	6/15/2023	0.00481	0.0047	0.00286	NA	NA	NA	NA	NA	0.000845	NA	<0.00067	0.00782	NA	0.000784
PW-W05 @10'	6/15/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-W05 @14'	6/15/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-W06 @13'	6/15/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-W07 @6'	6/15/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-W07 @13'	6/15/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-B15 @16'	6/15/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	0.000486	<0.00067	NA	0.00221
PW-B16 @16'	6/15/2023	0.00126	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-B17 @10'	6/15/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067
PW-S10 @ 8'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-S10 @ 14'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-S10 @ 19'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-S11 @ 8'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-S11 @ 14'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-S11 @ 19'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000553	<0.000286	NA	0.000685
PW-S12 @ 8'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-S12 @ 14'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-S12 @ 19'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-S13 @ 8'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-S13 @ 14'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-S13 @ 19'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-S14 @ 8'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-S14 @ 14'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-S14 @ 19'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-S15 @ 8'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-S15 @ 14'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-S15 @ 19'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-N08 @ 8'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-N08 @ 14'	7/12/2023	0.00327	0.00782	0.0019	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	0.00334	NA	<0.00643
PW-N08 @ 19'	7/12/2023	0.0309	0.068	0.00688	NA	NA	NA	NA	NA	0.000662	NA	<0.000394	0.00981	NA	<0.00643
PW-B21 @ 20'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-B22 @ 20'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-B23 @ 20'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-B24 @ 20'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-B25 @ 20'	7/12/2023	<0.00109	<0.00194	<0.00304	NA	NA	NA	NA	NA	<0.000624	NA	<0.000394	<0.000286	NA	<0.00643
PW-B21-01 @ 20'	9/11/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-B22-01 @ 20'	9/11/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-B24-01 @ 20'	9/11/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-N10 @ 14'	9/11/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-N10 @ 19'	9/11/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-N11 @ 12'	9/11/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-N11 @ 19'	9/11/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-N12 @ 12'	9/11/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-N12 @ 19'	9/11/2023	<0.002	0.004	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-W08 @ 10'	9/11/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-W08 @ 15'	9/11/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-W09 @ 10'	9/11/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-W09 @ 15'	9/11/2023	<0.002	0.003	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-W10 @ 10'	9/11/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-W10 @ 15'	9/11/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-W11 @ 10'	9/11/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-W11 @ 15'	9/11/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-S16 @ 14'	10/2/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-S16 @ 19'	10/2/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-S17 @ 14'	10/2/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-S17 @ 19'	10/2/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-S18 @ 14'	10/2/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-S18 @ 19'	10/2/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-S19 @ 14'	10/2/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-S19 @ 19'	10/2/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020

TABLE 4
MEGAN H16-33 O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - PAHs
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	1-Methyl-naphthalene (mg/kg)	2-Methyl-naphthalene (mg/kg)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)-anthracene (mg/kg)	Benzo(a)-pyrene (mg/kg)	Benzo(b)-fluoranthene (mg/kg)	Benzo(k)-fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)-anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Ideno(1,2,3-cd)-pyrene (mg/kg)	Pyrene (mg/kg)
ECMC standards for soil (mg/kg) ⁽¹⁾		0.006	0.019	0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3
PW-S20 @ 14'	10/2/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-S20 @ 19'	10/2/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-N13 @ 12'	10/2/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-N14 @ 14'	10/2/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-N15 @ 14'	10/2/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-W12 @ 10'	10/2/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-W12 @ 15'	10/2/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-N16 @ 14'	10/23/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-N17 @ 14'	10/23/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-N18 @ 12'	10/23/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-N16 @ 12'	10/23/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-S21 @ 14'	10/23/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-S21 @ 19'	10/23/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-S22 @ 14'	10/23/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-S22 @ 19'	10/23/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-S23 @ 14'	10/23/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-S23 @ 19'	10/23/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-S24 @ 19'	10/23/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-S25 @ 19'	10/23/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-S26 @ 19'	10/23/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-W13 @ 10'	10/23/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-W13 @ 15'	10/23/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-W14 @ 10'	10/23/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-14 @ 15'	10/23/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-W15 @ 10'	10/23/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-W15 @ 15'	10/23/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-N20@14'	11/7/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-W16@10'	11/7/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-B26@21'	11/7/2023	<0.002	0.004	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-B26@22'	11/7/2023	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-B27 @ 30'	3/1/2024	0.076	0.209	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
PW-B28 @ 35'	3/11/2024	0.226	0.651	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PW-E04 @ 12'	3/20/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
PW-E05 @ 15'	3/20/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
PW-E06 @ 15'	3/20/2024	<0.002	<0.002	<0.020	<0.020	0.018	<0.020	<0.020	<0.020	0.020	<0.020	0.040	<0.020	<0.020	0.030
PW-E07 @ 15'	3/20/2024	<0.002	<0.002	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
PW-E08 @ 15'	3/20/2024	<0.002	<0.002	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
PW-E09 @ 12'	3/20/2024	0.072	0.166	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
PW-E10 @ 12'	3/20/2024	<0.002	<0.002	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
PW-E11 @ 12'	3/20/2024	<0.002	<0.002	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
PW-E12 @ 25'	3/20/2024	<0.002	<0.002	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
PW-E13 @ 15'	3/20/2024	0.002	0.004	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
PW-S27 @ 25'	3/20/2024	<0.002	<0.002	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
PW-W17 @ 25'	3/20/2024	<0.002	<0.002	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
PW-N22 @ 25'	3/20/2024	<0.002	<0.002	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
PW-N21 @ 10'	3/20/2024	<0.002	<0.002	<0.020	<0.020	0.008	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
PW-B29 @ 35'	3/21/2024	0.012	0.031	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
PW-E14 @ 33'	3/22/2024	<0.002	<0.002	<0.020	NA	NA	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
Tank Battery Soil Samples															
AST-B01 @ 3"	4/18/2023	<0.00201	<0.00201	<0.00067	NA	NA	NA	NA	NA	<0.00067	NA	<0.00067	<0.00067	NA	<0.00067

Notes:

⁽¹⁾ Standards are taken from ECMC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021

⁽²⁾ Standards for soil are taken from ECMC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021

ECMC = Energy & Carbon Management Commission

mg/kg = milligrams per kilogram

PAH = Polycyclic Aromatic Hydrocarbons

(<) = Analytical result is less than the indicated laboratory reporting limit

Values presented in **BOLD** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations

TABLE 5
MEGAN H16-33 O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - METALS
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC standards for soil (mg/kg)⁽¹⁾		0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
Site Specific Background Limits		12.0	687.5						0.385		
Produced Water Vault Soil Samples											
PW-B01 @ 5'	4/25/2023	3.09*	111*	0.114	RP	<8.59	<8.59	<8.59	<0.0859	<0.0859	<85.9
PW-N01 @ 2.5'	4/25/2023	2.78*	87.2*	0.100	RP	<8.79	<8.79	<8.79	0.118	<0.0879	<87.9
PW- S01 @ 2.5'	4/25/2023	2.17*	121*	<0.0856	RP	<8.56	<8.56	<8.56	0.222	<0.0856	<85.6
PW-E01 @ 2.5'	4/25/2023	3.06*	94.4*	0.0965	RP	<9.37	<9.37	<9.37	0.116	<0.0937	<93.7
PW- W01 @ 2.5'	4/25/2023	2.94*	112*	0.109	RP	<9.39	<9.39	<9.39	0.117	<0.0939	<93.9
PW-B02 @ 8'	5/17/2023	4.74*	176*	0.137	NA	NA	NA	NA	0.149	NA	NA
PW-B03 @ 8'	5/17/2023	5.13*	199	0.173	NA	NA	NA	NA	0.122	NA	NA
PW-B04 @ 8'	5/17/2023	4.36*	121*	0.164	NA	NA	NA	NA	0.104	NA	NA
PW-B05 @ 8'	5/17/2023	4.35*	174*	0.212	NA	NA	NA	NA	0.111	NA	NA
PW-N02 @ 2.5	5/17/2023	2.36*	74.4	0.099	NA	NA	NA	NA	0.0924	NA	NA
PW-N02 @ 5'	5/17/2023	3.19*	94.1*	0.0956	NA	NA	NA	NA	<0.0946	NA	NA
PW-N03 @ 2.5	5/17/2023	3.43*	87.7*	0.117	NA	NA	NA	NA	<0.0960	NA	NA
PW-N03 @ 5'	5/17/2023	3.59*	80.3	0.119	NA	NA	NA	NA	0.0892	NA	NA
PW-N04 @ 2.5	5/17/2023	2.68*	76.2	<0.0945	NA	NA	NA	NA	<0.0945	NA	NA
PW-N04 @ 5'	5/17/2023	11.6*	123*	0.173	NA	NA	NA	NA	0.106	NA	NA
PW-N05 @ 2.5	5/17/2023	2.48*	73.6	0.0939	NA	NA	NA	NA	0.147	NA	NA
PW-N05 @ 5'	5/17/2023	2.94*	88.8*	0.112	NA	NA	NA	NA	0.157	NA	NA
PW-S02 @ 2.5	5/17/2023	2.73*	89.8*	0.117	NA	NA	NA	NA	0.100	NA	NA
PW-S02 @ 5'	5/17/2023	2.58*	110*	0.123	NA	NA	NA	NA	<0.0891	NA	NA
PW-S03 @ 2.5	5/17/2023	3.10*	83*	0.105	NA	NA	NA	NA	0.457	NA	NA
PW-S03 @ 5'	5/17/2023	3.17*	127*	0.121	NA	NA	NA	NA	<0.0849	NA	NA
PW-S04 @ 2.5	5/17/2023	3.12*	119*	0.128	NA	NA	NA	NA	<0.0937	NA	NA
PW-S04 @ 5'	5/17/2023	4.05*	125*	0.142	NA	NA	NA	NA	0.111	NA	NA
PW-S05 @ 2.5	5/17/2023	3.86*	128*	0.156	NA	NA	NA	NA	0.104	NA	NA
PW-S05 @ 5'	5/17/2023	5.48*	149*	0.206	NA	NA	NA	NA	0.102	NA	NA
PW-E02 @ 2.5	5/17/2023	0.427*	12.7	<0.0883	NA	NA	NA	NA	<0.0883	NA	NA
PW-E02 @ 5'	5/17/2023	3.71*	83.1*	<0.0849	NA	NA	NA	NA	<0.0849	NA	NA
PW-E03 @ 2.5	5/17/2023	3.71*	181*	0.147	NA	NA	NA	NA	0.110	NA	NA
PW-E03 @ 5'	5/17/2023	3.71*	103*	0.105	NA	NA	NA	NA	<0.0964	NA	NA
PW-W02 @ 2.5	5/17/2023	4.54*	117*	0.126	NA	NA	NA	NA	0.105	NA	NA
PW-W02 @ 5'	5/17/2023	4.50*	188*	0.154	NA	NA	NA	NA	0.106	NA	NA
PW-W03 @ 2.5	5/17/2023	4.57*	131*	0.136	NA	NA	NA	NA	0.190	NA	NA
PW-W03 @ 5'	5/17/2023	2.27*	93.7*	<0.0947	NA	NA	NA	NA	<0.0947	NA	NA
PW-N02 @ 8'	5/24/2023	3.90*	184*	0.184	NA	NA	NA	NA	0.100	NA	NA
PW-N06 @ 5'	5/24/2023	2.01*	50.1	<0.0975	NA	NA	NA	NA	<0.0975	NA	NA
PW-N03 @ 8'	5/24/2023	5.32*	126*	0.154	NA	NA	NA	NA	1.51	NA	NA
PW-N04 @ 8'	5/24/2023	5.76*	177*	0.137	NA	NA	NA	NA	0.112	NA	NA
PW-N05 @ 8'	5/24/2023	6.66*	220	0.170	NA	NA	NA	NA	0.0961	NA	NA
PW-S02 @ 8'	5/24/2023	3.98*	95.0*	0.137	NA	NA	NA	NA	<0.0894	NA	NA
PW-S06 @ 2.5'	5/24/2023	2.40*	95.1*	0.117	NA	NA	NA	NA	<0.0932	NA	NA
PW-S03 @ 8'	5/24/2023	4.04*	112*	0.119	NA	NA	NA	NA	<0.0898	NA	NA
PW-S04 @ 8'	5/24/2023	2.71*	67.5	0.101	NA	NA	NA	NA	0.116	NA	NA
PW-S05 @ 8'	5/24/2023	4.56*	99.9*	0.137	NA	NA	NA	NA	0.110	NA	NA
PW-B06 @ 10'	5/24/2023	3.70*	226	0.165	NA	NA	NA	NA	0.0992	NA	NA
PW-B07 @ 10'	5/24/2023	4.06*	158*	0.179	NA	NA	NA	NA	0.112	NA	NA
PW-B08 @ 10'	5/24/2023	2.93*	87.6*	0.118	NA	NA	NA	NA	0.0953	NA	NA
PW-E02 @ 8'	5/24/2023	3.96*	110*	0.135	NA	NA	NA	NA	0.0969	NA	NA
PW-E03 @ 8'	5/24/2023	4.27*	206	0.174	NA	NA	NA	NA	0.101	NA	NA
PW-W02 @ 8'	5/24/2023	5.30*	104*	0.126	NA	NA	NA	NA	<0.0965	NA	NA
PW-W03 @ 8'	5/24/2023	3.07*	86.8*	0.117	NA	NA	NA	NA	0.123	NA	NA
PW-B09@12'	5/31/2023	4.06*	145*	0.117	NA	NA	NA	NA	<0.0970	NA	NA
PW-B10@12'	5/31/2023	4.42*	302*	0.203	NA	NA	NA	NA	0.108	NA	NA
PW-B11@12'	5/31/2023	4.23*	355	0.183	NA	NA	NA	NA	0.142	NA	NA
PW-N02@10'	5/31/2023	5.92*	226	0.178	NA	NA	NA	NA	0.126	NA	NA
PW-N03@9'	5/31/2023	2.82*	79.2	<0.0940	NA	NA	NA	NA	0.097	NA	NA

TABLE 5
MEGAN H16-33 O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - METALS
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC standards for soil (mg/kg)⁽¹⁾		0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
PW-S02@10'	5/31/2023	5.79*	225	0.158	NA	NA	NA	NA	0.123	NA	NA
PW-S03@10'	5/31/2023	5.34*	203	0.154	NA	NA	NA	NA	0.101	NA	NA
PW-E04@8'	5/31/2023	3.11*	102*	0.113	NA	NA	NA	NA	<0.0857	NA	NA
PW-E05@8'	5/31/2023	5.51*	129*	0.129	NA	NA	NA	NA	0.121	NA	NA
PW-W02@10'	5/31/2023	4.82*	118*	0.112	NA	NA	NA	NA	<0.0876	NA	NA
PW-W03@10'	5/31/2023	5.31*	199	0.129	NA	NA	NA	NA	0.120	NA	NA
PW-B12 @ 16'	6/14/2023	4.65*	406	0.163	NA	NA	NA	NA	0.106	NA	NA
PW-B13 @16'	6/14/2023	5.15*	193*	0.115	NA	NA	NA	NA	0.142	NA	NA
PW-B14 @16'	6/14/2023	6.27	295*	0.228	NA	NA	NA	NA	0.195	NA	NA
PW-N06 @8'	6/15/2023	3.59*	68.7	0.199	NA	NA	NA	NA	<0.0921	NA	NA
PW-N06 @13'	6/15/2023	6.10	198*	0.166	NA	NA	NA	NA	0.142	NA	NA
PW-N07 @12'	6/15/2023	5.22*	305*	0.233	NA	NA	NA	NA	0.184	NA	NA
PW-N08 @12'	6/15/2023	5.35*	248*	0.192	NA	NA	NA	NA	0.156	NA	NA
PW-N09 @8'	6/15/2023	5.15*	147*	0.145	NA	NA	NA	NA	0.0927	NA	NA
PW-S06 @8'	6/15/2023	3.30*	116*	0.128	NA	NA	NA	NA	0.139	NA	NA
PW-S06 @13'	6/15/2023	4.44*	230*	0.188	NA	NA	NA	NA	0.102	NA	NA
PW-S07 @12'	6/15/2023	4.61*	145*	0.186	NA	NA	NA	NA	0.120	NA	NA
PW-S08 @10'	6/15/2023	4.37*	75.7	0.0987	NA	NA	NA	NA	<0.0858	NA	NA
PW-S08 @14'	6/15/2023	4.53*	407	0.174	NA	NA	NA	NA	<0.0892	NA	NA
PW-S09 @10'	6/15/2023	4.01*	128*	0.132	NA	NA	NA	NA	0.130	NA	NA
PW-S09 @14'	6/15/2023	4.15*	218*	0.188	NA	NA	NA	NA	<0.0978	NA	NA
PW-W04 @6'	6/15/2023	6.97*	138*	0.147	NA	NA	NA	NA	0.0888	NA	NA
PW-W04 @13'	6/15/2023	3.91*	249*	0.179	NA	NA	NA	NA	<0.0984	NA	NA
PW-W05 @10'	6/15/2023	4.58*	276	0.151	NA	NA	NA	NA	0.0873	NA	NA
PW-W05 @14'	6/15/2023	4.81*	193*	0.178	NA	NA	NA	NA	0.101	NA	NA
PW-W06 @13'	6/15/2023	4.92*	168*	0.168	NA	NA	NA	NA	0.135	NA	NA
PW-W07 @6'	6/15/2023	4.54*	137*	0.148	NA	NA	NA	NA	0.305	NA	NA
PW-W07 @13'	6/15/2023	4.56*	196*	0.174	NA	NA	NA	NA	<0.0949	NA	NA
PW-B15 @16'	6/15/2023	4.35*	149*	0.172	NA	NA	NA	NA	0.104	NA	NA
PW-B16 @16'	6/15/2023	5.44*	219*	0.180	NA	NA	NA	NA	0.107	NA	NA
PW-B17 @10'	6/15/2023	4.02*	153*	0.132	NA	NA	NA	NA	<0.0941	NA	NA
PW-S10 @ 8'	7/12/2023	5.05*	155*	0.188	NA	NA	NA	NA	<0.0868	NA	NA
PW-S10 @ 14'	7/12/2023	3.60*	230*	0.147	NA	NA	NA	NA	0.100	NA	NA
PW-S10 @ 19'	7/12/2023	5.22*	205*	0.152	NA	NA	NA	NA	<0.0910	NA	NA
PW-S11 @ 8'	7/12/2023	4.24*	67.2	0.112	NA	NA	NA	NA	<0.0943	NA	NA
PW-S11 @ 14'	7/12/2023	4.87*	146*	0.169	NA	NA	NA	NA	<0.0992	NA	NA
PW-S11 @ 19'	7/12/2023	4.48*	95.2*	0.155	NA	NA	NA	NA	0.088	NA	NA
PW-S12 @ 8'	7/12/2023	5.99*	90.1*	0.137	NA	NA	NA	NA	<0.0970	NA	NA
PW-S12 @ 14'	7/12/2023	5.74*	228*	0.181	NA	NA	NA	NA	0.166	NA	NA
PW-S12 @ 19'	7/12/2023	5.53*	123*	0.172	NA	NA	NA	NA	0.146	NA	NA
PW-S13 @ 8'	7/12/2023	4.12*	71.7	0.112	NA	NA	NA	NA	<0.0967	NA	NA
PW-S13 @ 14'	7/12/2023	1.01*	18.0	<0.0948	NA	NA	NA	NA	<0.0948	NA	NA
PW-S13 @ 19'	7/12/2023	2.65*	42.3	<0.0986	NA	NA	NA	NA	<0.0986	NA	NA
PW-S14 @ 8'	7/12/2023	6.50*	231*	0.179	NA	NA	NA	NA	0.115	NA	NA
PW-S14 @ 14'	7/12/2023	5.99*	105*	0.197	NA	NA	NA	NA	0.111	NA	NA
PW-S14 @ 19'	7/12/2023	5.03*	64.6	0.151	NA	NA	NA	NA	0.121	NA	NA
PW-S15 @ 8'	7/12/2023	5.38*	156*	0.197	NA	NA	NA	NA	0.124	NA	NA
PW-S15 @ 14'	7/12/2023	5.74*	113*	0.179	NA	NA	NA	NA	0.118	NA	NA
PW-S15 @ 19'	7/12/2023	5.17*	160*	0.200	NA	NA	NA	NA	0.122	NA	NA
PW-N08 @ 8'	7/12/2023	4.51*	118*	0.198	NA	NA	NA	NA	<0.0914	NA	NA
PW-N08 @ 14'	7/12/2023	5.79*	162*	0.161	NA	NA	NA	NA	0.0950	NA	NA
PW-N08 @ 19'	7/12/2023	4.91*	209*	0.183	NA	NA	NA	NA	<0.0974	NA	NA
PW-B21 @ 20'	7/12/2023	5.75*	73.2	0.247	NA	NA	NA	NA	0.135	NA	NA
PW-B22 @ 20'	7/12/2023	11.6	166*	0.234	NA	NA	NA	NA	0.283	NA	NA
PW-B23 @ 20'	7/12/2023	5.67*	139*	0.186	NA	NA	NA	NA	0.148	NA	NA
PW-B24 @ 20'	7/12/2023	4.90*	167*	0.234	NA	NA	NA	NA	0.183	NA	NA
PW-B25 @ 20'	7/12/2023	5.53*	199*	0.194	NA	NA	NA	NA	0.167	NA	NA
PW-B21-01 @ 20'	9/11/2023	5.02*	70.3	0.255	NA	NA	NA	NA	0.254	NA	NA

TABLE 5
MEGAN H16-33 O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - METALS
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC standards for soil (mg/kg)⁽¹⁾		0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
PW-B22-01 @ 20'	9/11/2023	5.86*	98.0*	0.152	NA	NA	NA	NA	0.269*	NA	NA
PW-B24-01 @ 20'	9/11/2023	4.89*	69.6	0.241	NA	NA	NA	NA	0.205	NA	NA
PW-N10 @ 14'	9/11/2023	6.03*	121*	0.123	NA	NA	NA	NA	0.120	NA	NA
PW-N10 @ 19'	9/11/2023	4.89*	190*	0.122	NA	NA	NA	NA	0.139	NA	NA
PW-N11 @ 12'	9/11/2023	7.10	329*	0.137	NA	NA	NA	NA	<0.0882	NA	NA
PW-N11 @ 19'	9/11/2023	4.22*	107*	0.164	NA	NA	NA	NA	0.09550	NA	NA
PW-N12 @ 12'	9/11/2023	4.56*	256*	0.171	NA	NA	NA	NA	<0.0895	NA	NA
PW-N12 @ 19'	9/11/2023	5.12*	228*	0.177	NA	NA	NA	NA	0.111	NA	NA
PW-W08 @ 10'	9/11/2023	4.86*	111*	0.155	NA	NA	NA	NA	0.115	NA	NA
PW-W08 @ 15'	9/11/2023	3.13*	97.3*	0.145	NA	NA	NA	NA	<0.0899	NA	NA
PW-W09 @ 10'	9/11/2023	5.06*	126*	0.167	NA	NA	NA	NA	0.118	NA	NA
PW-W09 @ 15'	9/11/2023	4.39*	75.0	0.184	NA	NA	NA	NA	0.116	NA	NA
PW-W10 @ 10'	9/11/2023	5.25*	367	0.197	NA	NA	NA	NA	<0.0962	NA	NA
PW-W10 @ 15'	9/11/2023	4.08*	697	0.185	NA	NA	NA	NA	0.143	NA	NA
PW-W11 @ 10'	9/11/2023	5.27*	151*	0.160	NA	NA	NA	NA	0.118	NA	NA
PW-W11 @ 15'	9/11/2023	4.90*	445*	0.160	NA	NA	NA	NA	<0.0922	NA	NA
PW-S16 @ 14'	10/2/2023	3.79*	65	0.118	NA	NA	NA	NA	0.299	NA	NA
PW-S16 @ 19'	10/2/2023	4.82*	451*	0.225	NA	NA	NA	NA	0.39	NA	NA
PW-S17 @ 14'	10/2/2023	1.91*	151*	0.137	NA	NA	NA	NA	<0.515	NA	NA
PW-S17 @ 19'	10/2/2023	2.79*	80.4	0.159	NA	NA	NA	NA	0.517	NA	NA
PW-S18 @ 14'	10/2/2023	2.15*	115*	0.16	NA	NA	NA	NA	0.547	NA	NA
PW-S18 @ 19'	10/2/2023	3.56*	452*	0.183	NA	NA	NA	NA	0.548	NA	NA
PW-S19 @ 14'	10/2/2023	3.48*	242*	0.197	NA	NA	NA	NA	0.543	NA	NA
PW-S19 @ 19'	10/2/2023	4.67*	721*	0.111	NA	NA	NA	NA	0.581	NA	NA
PW-S20 @ 14'	10/2/2023	3.94*	334*	0.221	NA	NA	NA	NA	0.514	NA	NA
PW-S20 @ 19'	10/2/2023	3.9*	222*	0.159	NA	NA	NA	NA	0.485	NA	NA
PW-N13 @ 12'	10/2/2023	4.14*	255*	0.183	NA	NA	NA	NA	0.509	NA	NA
PW-N14 @ 14'	10/2/2023	3.07*	157*	0.175	NA	NA	NA	NA	0.528	NA	NA
PW-N15 @ 14'	10/2/2023	2.56*	125*	0.221	NA	NA	NA	NA	0.551	NA	NA
PW-W12 @ 10'	10/2/2023	2.89*	130*	0.16	NA	NA	NA	NA	0.565	NA	NA
PW-W12 @ 15'	10/2/2023	7	527*	0.389*	NA	NA	NA	NA	0.797	NA	NA
PW-N16 @ 14'	10/23/2023	5.66	161*	0.176	NA	NA	NA	NA	<0.0931	NA	NA
PW-N17 @ 14'	10/23/2023	8.71	178*	0.188	NA	NA	NA	NA	0.108	NA	NA
PW-N18 @ 12'	10/23/2023	3.56*	146*	0.170	NA	NA	NA	NA	<0.0861	NA	NA
PW-N16 @ 12'	10/23/2023	4.86*	119*	0.199	NA	NA	NA	NA	0.0926	NA	NA
PW-S21 @ 14'	10/23/2023	4.25*	137*	0.207	NA	NA	NA	NA	0.123	NA	NA
PW-S21 @ 19'	10/23/2023	4.03*	158*	0.160	NA	NA	NA	NA	0.111	NA	NA
PW-S22 @ 14'	10/23/2023	3.61*	292*	0.185	NA	NA	NA	NA	0.121	NA	NA
PW-S22 @ 19'	10/23/2023	4.17*	220*	0.247	NA	NA	NA	NA	0.0940	NA	NA
PW-S23 @ 14'	10/23/2023	4.12*	160*	0.193	NA	NA	NA	NA	0.113	NA	NA
PW-S23 @ 19'	10/23/2023	5.24*	138*	0.177	NA	NA	NA	NA	0.199	NA	NA
PW-S24 @ 19'	10/23/2023	3.35*	164*	0.104	NA	NA	NA	NA	<0.0939	NA	NA
PW-S25 @ 19'	10/23/2023	4.09*	271*	0.146	NA	NA	NA	NA	0.0976	NA	NA
PW-S26 @ 19'	10/23/2023	4.43*	142*	0.191	NA	NA	NA	NA	0.126	NA	NA
PW-W13 @ 10'	10/23/2023	5.21*	221*	0.158	NA	NA	NA	NA	0.144	NA	NA
PW-W13 @ 15'	10/23/2023	4.26*	154*	0.183	NA	NA	NA	NA	0.115	NA	NA
PW-W14 @ 10'	10/23/2023	3.23*	96.7*	0.157	NA	NA	NA	NA	<0.0834	NA	NA
PW-14 @ 15'	10/23/2023	3.47*	202*	0.171	NA	NA	NA	NA	0.129	NA	NA
PW-W15 @ 10'	10/23/2023	3.54*	108*	0.124	NA	NA	NA	NA	<0.0953	NA	NA
PW-W15 @ 15'	10/23/2023	4.91*	142*	0.161	NA	NA	NA	NA	0.218	NA	NA
PW-N20@14'	11/7/2023	4.77*	225*	0.151	NA	NA	NA	NA	<0.0965	NA	NA
PW-W16@10'	11/7/2023	6.10*	164*	0.160	NA	NA	NA	NA	0.108	NA	NA
PW-B26@21'	11/7/2023	3.10*	204*	0.700	NA	NA	NA	NA	0.364*	NA	NA
PW-B26@22'	11/7/2023	10.9	88.2*	0.301	NA	NA	NA	NA	0.235	NA	NA
PW-B27 @ 30'	3/1/2024	9.45	28.2	0.111	*<1	9.73	11.5	2.96	<0.217	<0.0836	<30.9
PW-B28 @ 35'	3/11/2024	3.70*	77.6	<0.0968	*<0.374	18.2	16.3	7.21	<0.252	<0.0968	55.0
PW-E04 @ 12'	3/20/2024	3.85*	107*	<0.0967	NA	NA	NA	NA	<0.251	NA	NA
PW-E05 @ 15'	3/20/2024	2.30*	98.2*	<0.0899	NA	NA	NA	NA	<0.234	NA	NA

TABLE 5
MEGAN H16-33 O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - METALS
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC standards for soil (mg/kg)⁽¹⁾		0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
PW-E06 @ 15'	3/20/2024	2.63*	105*	<0.0869	NA	NA	NA	NA	<0.226	NA	NA
PW-E07 @ 15'	3/20/2024	2.99*	86.3*	<0.0938	NA	NA	NA	NA	0.277*	NA	NA
PW-E08 @ 15'	3/20/2024	4.48*	140*	<0.0857	NA	NA	NA	NA	<0.223	NA	NA
PW-E09 @ 12'	3/20/2024	3.65*	107*	<0.0985	NA	NA	NA	NA	<0.256	NA	NA
PW-E10 @ 12'	3/20/2024	4.26*	131*	<0.0891	NA	NA	NA	NA	<0.232	NA	NA
PW-E11 @ 12'	3/20/2024	4.04*	162*	<0.0890	NA	NA	NA	NA	<0.231	NA	NA
PW-E12 @ 25'	3/20/2024	2.03*	70.2	<0.0917	NA	NA	NA	NA	<0.238	NA	NA
PW-E13 @ 15'	3/20/2024	4.77*	108*	<0.0910	NA	NA	NA	NA	<0.237	NA	NA
PW-S27 @ 25'	3/20/2024	4.90*	82.0	<0.0889	NA	NA	NA	NA	<0.231	NA	NA
PW-W17 @ 25'	3/20/2024	4.24*	125*	<0.0973	NA	NA	NA	NA	<0.253	NA	NA
PW-N22 @ 25'	3/20/2024	4.50*	140*	<0.0967	NA	NA	NA	NA	<0.251	NA	NA
PW-N21 @ 10'	3/20/2024	2.36*	107*	0.107	NA	NA	NA	NA	<0.249	NA	NA
PW-B29 @ 35'	3/21/2024	0.846*	32.1	<0.0874	NA	NA	NA	NA	<0.227	NA	NA
PW-E14 @ 33'	3/22/2024	4.60*	73.6	<0.0866	NA	12.1	10.3	16.5	<0.225	NA	NA
Produced Water Vault Soil Samples											
PW-BG01 @ 3'	5/2/2023	1.56	43.7	<0.0870	<0.501	<8.70	<8.70	<8.70	0.0930	<0.0870	<87.0
PW-BG01 @ 6'	5/2/2023	1.15	42.9	<0.0854	<0.5	<8.54	<8.54	<8.54	<0.0854	<0.0854	<85.4
PW-BG02 @ 3'	5/2/2023	4.64	158	0.171	<0.507	11.0	9	13.0	0.256	<0.0852	<85.2
PW-BG02 @ 6'	5/2/2023	4.12	129	0.142	<0.5	9.48	<9.08	11.5	0.151	<0.0908	<90.8
PW-BG03 @ 3'	5/2/2023	3.05	121	0.245	<0.5	<9.78	<9.78	10.7	0.129	<0.0978	<97.8
PW-BG03 @ 6'	5/2/2023	9.60	137	0.193	<0.515	8.92	9.49	11.1	0.127	<0.0882	<88.2
PW-BG04 @ 3'	5/2/2023	1.93	85.8	0.0867	<0.517	<8.67	<8.67	<8.67	0.108	<0.0867	<86.7
PW-BG04 @ 6'	5/2/2023	3.41	92.5	0.129	<0.503	<9.30	<9.30	10.7	<0.0930	<0.0930	<93.0
PW-BG05 @ 16'	6/15/2023	3.84	266	0.138	NA	NA	NA	NA	<0.0910	NA	NA
PW-BG06 @ 16'	6/15/2023	4.61	147	0.174	NA	NA	NA	NA	0.120	NA	NA
PW-BG07 @ 8'	9/11/2023	3.91	124	0.154	NA	NA	NA	NA	0.0981	NA	NA
PW-BG07 @ 14'	9/11/2023	3.58	71.7	0.100	NA	NA	NA	NA	<0.0873	NA	NA
PW-BG07 @ 20'	9/11/2023	5.37	49.8	0.248	NA	NA	NA	NA	0.308	NA	NA
PW-BG08 @ 8'	9/11/2023	3.74	155	0.164	NA	NA	NA	NA	0.142	NA	NA
PW-BG08 @ 14'	9/11/2023	3.94	81.1	0.159	NA	NA	NA	NA	0.110	NA	NA
PW-BG08 @ 20'	9/11/2023	4.49	550	0.297	NA	NA	NA	NA	0.185	NA	NA
PW-BG09 @ 8'	9/11/2023	6.03	232	0.143	NA	NA	NA	NA	<0.0928	NA	NA
PW-BG09 @ 14'	9/11/2023	5.34	109	0.174	NA	NA	NA	NA	0.130	NA	NA
PW-BG09 @ 20'	9/11/2023	5.10	107	0.206	NA	NA	NA	NA	0.211	NA	NA
Background Soil Samples (UPRC H17-99HZ Wellhead)											
WH-BG01 @ 3'	4/14/2023	1.48	31.3	0.100	<1	<9.35	<9.35	<9.35	<0.0935	<0.0935	<93.5
WH-BG01 @ 6'	4/14/2023	2.03	90.8	<0.0951	<1.01	<9.51	<9.51	<9.51	<0.0951	<0.0951	<95.1
WH-BG02 @ 3'	4/14/2023	1.52	38.1	<0.0944	<0.517	<9.44	<9.44	<9.44	<0.0944	<0.0944	<94.4
WH-BG02 @ 6'	4/14/2023	1.59	54.5	<0.0941	<0.508	<9.41	<9.41	<9.41	<0.0941	<0.0941	<94.1
WH-BG03 @ 3'	4/14/2023	2.28	61.3	<0.0927	<0.511	<9.27	<9.27	<9.27	<0.0927	<0.0927	<92.7
WH-BG03 @ 6'	4/14/2023	3.02	99.4	0.132	<0.505	<9.55	<9.55	<9.55	<0.0955	<0.0955	<95.5
WH-BG04 @ 3'	4/14/23	2.08	54.6	<0.0928	<0.504	<9.28	<9.28	<9.28	<0.0928	<0.0928	<92.8
WH-BG04 @ 6'	4/14/23	1.55	61.1	<0.0904	<1	<9.04	<9.04	<9.04	<0.0904	<0.0904	<90.4

Notes:

⁽¹⁾ Standards are taken from ECMC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021

⁽²⁾ Standards for soil are taken from ECMC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021

ECMC = Energy and Carbon Management Commission

(<) = Analytical result is less than the indicated laboratory reporting limit

NA = Not Analyzed

Values presented in **BOLD** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations and background concentrations.

Values presented in **BOLD*** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations, but are within site specific background limits.

* = compound is in accordance with the ECMC Table 915-1 Footnote 9.