

TABLE 1
MCKINSTRY 28N 21N 7C 2N OSA
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)
Initial Separator Soil Samples							
SEP-B07 @ 3"	7/31/2023	0.25	0.3	N/S	N/O	40.21794135, -104.981149	Y
SEP-B08 @ 3"	7/31/2023	0.25	0.1	N/S	N/O	40.21799175, -104.9811439	Y
SEP-B09 @ 3"	7/31/2023	0.25	0.2	N/S	N/O	40.21795449, -104.9812865	Y
SEP-B10 @ 3"	7/31/2023	0.25	0.2	N/S	N/O	40.21799572, -104.9812954	Y
SEP-B11 @ 3"	7/31/2023	0.25	0.3	N/S	N/O	40.21795429, -104.9813587	Y
SEP-B12 @ 3"	7/31/2023	0.25	0.4	N/S	N/O	40.2179917, -104.9813587	Y
Active Release Excavation Soil Samples							
Initial Waste Characterization @ 3"	6/7/2023	0.25	682.8	Slight HC staining	Slight HC odor	40.21801827, -104.9812191	Y
SEP-B01 @ 6'	6/27/2023	6	7.8	Slight HC staining	Slight HC odor	40.21802656, -104.9812083	Y
SEP-N01 @ 3'	6/27/2023	3	1.1	N/S	N/O	40.21803656, -104.9812088	Y
SEP-S01 @ 3'	6/27/2023	3	0.9	N/S	N/O	40.21799863, -104.9812081	Y
SEP-E01 @ 3'	6/27/2023	3	0.9	N/S	N/O	40.21801976, -104.9811759	Y
SEP-W01 @ 3'	6/27/2023	3	0.7	N/S	N/O	40.21801911, -104.981247	Y
SEP-B02 @ 3'	6/27/2023	3	0.6	N/S	N/O	40.2180365, -104.9812964	Y
SEP-B02 @ 6'	6/27/2023	6	3.1	N/S	N/O	40.2180365, -104.9812964	Y
SEP-B03 @ 3'	6/27/2023	3	1.9	N/S	N/O	40.21806588, -104.9812172	Y
SEP-B03 @ 6'	6/27/2023	6	0.9	N/S	N/O	40.21806588, -104.9812172	Y
SEP-B04 @ 3'	6/27/2023	3	0.7	N/S	N/O	40.21802222, -104.9811208	Y
SEP-B04 @ 6'	6/27/2023	6	0.8	N/S	N/O	40.21802222, -104.9811208	Y
SEP-B05 @ 3'	6/27/2023	3	1.6	N/S	N/O	40.21793859, -104.9812313	Y
SEP-B05 @ 6'	6/27/2023	6	22.4	N/S	N/O	40.21793859, -104.9812313	Y
SEP-B06 @ 9'	7/6/2023	9	6.4	N/S	N/O	40.2180150169583, -104.981229591608	Y
SEP-N02 @ 8'	7/6/2023	8	63.8	N/S	N/O	40.2180312615895, -104.981228235879	Y
SEP-E02 @ 8'	7/6/2023	8	23.4	N/S	N/O	40.2180165530413, -104.981176953268	Y
SEP-B18 @ 13'	9/1/2023	13	3.7	N/S	N/O	40.2179929997125, -104.98124836707	Y
SEP-N05 @ 9'	9/5/2023	9	1.1	N/S	N/O	40.2181711649031, -104.981293955494	Y
SEP-B18 @ 14'	9/8/2023	14	7.4	N/S	N/O	40.2180237649152, -104.981182655538	Y
Active Release Excavation Confirmation Soil Samples							
SEP-B13 @ 4'	8/17/2023	4	0.3	N/S	N/O	40.21803929, -104.981396	Y
SEP-B14 @ 4'	8/17/2023	4	0.2	N/S	N/O	40.21807359, -104.981384	Y
SEP-B15 @ 4'	8/17/2023	4	0.3	N/S	N/O	40.21813238, -104.9814011	Y
SEP-B16 @ 4'	8/17/2023	4	0.4	N/S	N/O	40.21818037, -104.9814023	Y
SEP-B17 @ 10'	9/1/2023	10	1.3	N/S	N/O	40.2179970959399, -104.981174606338	Y
SEP-S02 @ 3'	9/1/2023	3	2.6	HC Staining	HC Odor	40.2179653649229, -104.981178655546	Y
SEP-S02 @ 9'	9/1/2023	9	4.9	N/S	N/O	40.2179653649229, -104.981178655546	Y
SEP-S03 @ 3'	9/1/2023	3	3.3	N/S	HC Odor	40.2179556215787, -104.981244343762	Y
SEP-S03 @ 9'	9/1/2023	9	19.5	N/S	N/O	40.2179556215787, -104.981244343762	Y
SEP-S04 @ 3'	9/1/2023	3	4.5	N/S	N/O	40.217964864932, -104.981307355516	Y
SEP-S04 @ 9'	9/1/2023	9	4.0	N/S	N/O	40.217964864932, -104.981307355516	Y
SEP-E03 @ 3'	9/1/2023	3	7.3	N/S	N/O	40.217988864916, -104.981126355555	Y
SEP-E03 @ 9'	9/1/2023	9	6.8	N/S	N/O	40.217988864916, -104.981126355555	Y
SEP-W03 @ 3'	9/1/2023	3	5.9	N/S	N/O	40.2179889034862, -104.981340232708	Y
SEP-W03 @ 9'	9/1/2023	9	2.1	N/S	N/O	40.2179889034862, -104.981340232708	Y
SEP-N03 @ 3'	9/5/2023	3	0.2	N/S	N/O	40.218161964894, -104.981147755529	Y
SEP-N03 @ 9'	9/5/2023	9	2.2	N/S	N/O	40.218161964894, -104.981147755529	Y
SEP-N04 @ 3'	9/5/2023	3	13.2	N/S	Slight HC odor	40.2181619648993, -104.981222855512	Y
SEP-N04 @ 9'	9/5/2023	9	2.8	N/S	N/O	40.2181619648993, -104.981222855512	Y
SEP-N05 @ 3'	9/5/2023	3	1.3	N/S	N/O	40.2181711649031, -104.981293955494	Y
SEP-N06 @ 9'	9/8/2023	9	2.9	N/S	N/O	40.218074964917, -104.981306055503	Y
SEP-B19 @ 14'	10/3/2023	14	5.2	N/S	N/O	40.2180267649161, -104.981200055534	Y
SEP-B20 @ 14'	10/3/2023	14	1.1	N/S	N/O	40.2180411304345, -104.981319445586	Y
SEP-B21 @ 18'	10/5/2023	18	1.6	N/S	N/O	40.2180144649191, -104.98122015553	Y
Soil Boring Samples							
MW-01 @ 7.5-10'	2/27/2025	7.5-10	0.0	N/S	N/O	40.2181097858294, -104.981216605325	Y
MW-02 @ 0-2.5'	2/27/2025	0-2.5	0.3	HC staining	Slight HC odor	40.2179225810287, -104.981105908491	Y
MW-02 @ 7.5-10'	2/27/2025	7.5-10	2.2	N/S	N/O	40.2179225810287, -104.981105908491	Y
MW-03 @ 7.5-10'	2/27/2025	7.5-10	1.4	N/S	N/O	40.2178998315262, -104.981247643735	Y
MW-04 @ 7.5-10'	2/27/2025	7.5-10	1.9	N/S	N/O	40.2181536872029, -104.981304427787	Y
MW-05 @ 0-2.5'	2/27/2025	0-2.5	0.9	HC Staining	Slight HC odor	40.2181250230123, -104.981092317319	Y
MW-06 @ 7.5-10'	8/7/2025	7.5-10	1.8	N/S	N/O	40.217985351340275, -104.981225161498	Y
MW-07 @ 7.5-10'	8/7/2025	7.5-10	1.4	N/S	N/O	40.21783852983051, -104.981143254346	Y
MW-08 @ 7.5-10'	8/7/2025	7.5-10	0.6	N/S	N/O	40.217901554464945, -104.980977237235	Y



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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)
Background Soil Samples							
SEP-BG01 @ 3"	6/7/2023	0.25	2.1	N/S	N/O	40.21769758, -104.9812861	Y
SEP-BG02 @ 3"	6/7/2023	0.25	3.6	N/S	N/O	40.21810434, -104.9808443	Y
SEP-BG05 @ 7.5-10'	2/10/2025	7.5-10	0.9	N/S	N/O	40.217920337656025, -104.981934686878	Y
SEP-BG05 @ 10-12.5'	2/10/2025	10-12.5	0.4	N/S	N/O	40.217920337656025, -104.981934686878	Y
SEP-BG05 @ 12.5-15'	2/10/2025	12.5-15	0.0	N/S	N/O	40.217920337656025, -104.981934686878	Y
SEP-BG06 @ 7.5-10'	2/10/2025	7.5-10	0.0	N/S	N/O	40.218040631833276, -104.981942110388	Y
SEP-BG06 @ 10-12.5'	2/10/2025	10-12.5	0.0	N/S	N/O	40.218040631833276, -104.981942110388	Y
SEP-BG06 @ 12.5-15'	2/10/2025	12.5-15	0.0	N/S	N/O	40.218040631833276, -104.981942110388	Y
SEP-BG06 @ 15-17.5'	2/10/2025	15-17.5	2.7	N/S	N/O	40.218040631833276, -104.981942110388	Y
SEP-BG06 @ 17.5-20'	2/10/2025	17.5-20	0.4	N/S	N/O	40.218040631833276, -104.981942110388	Y
SEP-BG07 @ 7.5-10'	2/10/2025	7.5-10	0.0	N/S	N/O	40.21816033783155, -104.981939066547	Y
SEP-BG07 @ 10-12.5'	2/10/2025	10-12.5	0.0	N/S	N/O	40.21816033783155, -104.981939066547	Y
SEP-BG07 @ 12.5-15'	2/10/2025	12.5-15	0.2	N/S	N/O	40.21816033783155, -104.981939066547	Y
SEP-BG08 @ 7.5-10'	2/10/2025	7.5-10	0.0	N/S	N/O	40.2182749034316, -104.981940514848	Y
SEP-BG08 @ 10-12.5'	2/10/2025	10-12.5	0.0	N/S	N/O	40.2182749034316, -104.981940514848	Y
SEP-BG08 @ 12.5-15'	2/10/2025	12.5-15	0.0	N/S	N/O	40.2182749034316, -104.981940514848	Y
SEP-BG09 @ 7.5-10'	2/10/2025	7.5-10	0.8	N/S	N/O	40.218380490039365, -104.98194555844	Y
SEP-BG09 @ 10-12.5'	2/10/2025	10-12.5	4.1	N/S	N/O	40.218380490039365, -104.98194555844	Y
SEP-BG09 @ 12.5-15'	2/10/2025	12.5-15	3.2	N/S	N/O	40.218380490039365, -104.98194555844	Y
SEP-BG09 @ 15-17.5'	2/10/2025	15-17.5	0.6	N/S	N/O	40.218380490039365, -104.98194555844	Y
SEP-BG10 @ 0-2.5'	2/10/2025	0-2.5	1.4	N/S	N/O	40.21849845257072, -104.981941625441	Y
SEP-BG10 @ 2.5-5'	2/10/2025	2.5-5	1.5	N/S	N/O	40.21849845257072, -104.981941625441	Y
SEP-BG10 @ 5-7.5'	2/10/2025	5-7.5	1.3	N/S	N/O	40.21849845257072, -104.981941625441	Y
SEP-BG10 @ 7.5-10'	2/10/2025	7.5-10	1.3	N/S	N/O	40.21849845257072, -104.981941625441	Y
BG-11 @ 2.5-5'	8/8/2025	2.5-5	0.1	N/S	N/O	40.21832193560293, -104.982069300543	Y
BG-11 @ 5-7.5'	8/8/2025	5-7.5	0.1	N/S	N/O	40.21832193560293, -104.982069300543	Y
BG-11 @ 7.5-10'	8/8/2025	7.5-10	0.4	N/S	N/O	40.21832193560293, -104.982069300543	Y
BG-11 @ 10-12.5'	8/8/2025	10-12.5	0.2	N/S	N/O	40.21832193560293, -104.982069300543	Y
BG-11 @ 12.5-15'	8/8/2025	12.5-15	0.7	N/S	N/O	40.21832193560293, -104.982069300543	Y
BG-11 @ 15-17.5'	8/8/2025	15-17.5	0.9	N/S	N/O	40.21832193560293, -104.982069300543	Y
BG-11 @ 17.5-20'	8/8/2025	17.5-20	0.8	N/S	N/O	40.21832193560293, -104.982069300543	Y
BG-12 @ 2.5-5'	8/8/2025	2.5-5	0.1	N/S	N/O	40.21822163705997, -104.982078718472	Y
BG-12 @ 5-7.5'	8/8/2025	5-7.5	0.3	N/S	N/O	40.21822163705997, -104.982078718472	Y
BG-12 @ 7.5-10'	8/8/2025	7.5-10	0.2	N/S	N/O	40.21822163705997, -104.982078718472	Y
BG-12 @ 10-12.5'	8/8/2025	10-12.5	0.1	N/S	N/O	40.21822163705997, -104.982078718472	Y
BG-12 @ 12.5-15'	8/8/2025	12.5-15	0.3	N/S	N/O	40.21822163705997, -104.982078718472	Y
BG-12 @ 15-17.5'	8/8/2025	15-17.5	0.9	N/S	N/O	40.21822163705997, -104.982078718472	Y
BG-12 @ 17.5-20'	8/8/2025	17.5-20	0.5	N/S	N/O	40.21822163705997, -104.982078718472	Y
BG-13 @ 2.5-5'	8/8/2025	2.5-5	0.7	N/S	N/O	40.21843202865947, -104.982063001183	Y
BG-13 @ 5-7.5'	8/8/2025	5-7.5	0.9	N/S	N/O	40.21843202865947, -104.982063001183	Y
BG-13 @ 7.5-10'	8/8/2025	7.5-10	0.9	N/S	N/O	40.21843202865947, -104.982063001183	Y
BG-13 @ 10-12.5'	8/8/2025	10-12.5	0.2	N/S	N/O	40.21843202865947, -104.982063001183	Y
BG-13 @ 12.5-15'	8/8/2025	12.5-15	0.4	N/S	N/O	40.21843202865947, -104.982063001183	Y
BG-13 @ 15-17.5'	8/8/2025	15-17.5	0.7	N/S	N/O	40.21843202865947, -104.982063001183	Y
BG-13 @ 17.5-20'	8/8/2025	17.5-20	0.5	N/S	N/O	40.21843202865947, -104.982063001183	Y
Background Soil Samples (McKinstry 7C-21HZ)							
WH-BG01 @ 3'	10/15/2024	3	0.7	N/S	N/O	40.21441370984562, -104.981565037444	Y
WH-BG01 @ 6'	10/15/2024	6	0.9	N/S	N/O	40.21441370984562, -104.981565037444	Y
WH-BG02 @ 3'	10/15/2024	3	0.8	N/S	N/O	40.21427034686254, -104.981557206236	Y
WH-BG02 @ 6'	10/15/2024	6	0.4	N/S	N/O	40.21427034686254, -104.981557206236	Y
WH-BG03 @ 3'	10/15/2024	3	1.2	N/S	N/O	40.214145491868265, -104.981559469893	Y
WH-BG03 @ 6'	10/15/2024	6	0.9	N/S	N/O	40.214145491868265, -104.981559469893	Y

Notes:

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

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



TABLE 2
MCKINSTRY 28N 21N 7C 2N OSA
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)
<i>ECMC standards for soil (mg/kg) ⁽¹⁾</i>		0.0026	0.69	0.78	9.9	500			0.0038	0.0081	0.0087
<i>ECMC standards for soil (mg/kg) ⁽²⁾</i>		1.2	490	5.8	58	500			2	30	27
Initial Separator Soil Samples											
SEP-B07 @ 3"	7/31/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-B08 @ 3"	7/31/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-B09 @ 3"	7/31/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-B10 @ 3"	7/31/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-B11 @ 3"	7/31/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
SEP-B12 @ 3"	7/31/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
Active Release Excavation Soil Samples											
Initial Waste Characterization @ 3"	6/7/2023	0.192	2.74	0.116	0.681	287	494	181	0.0191	0.205	0.156
SEP-B01 @ 6'	6/27/2023	<0.00200	<0.00200	0.00326	0.0152	1.74	<25.0	<100	0.004	<0.00200	0.0200
SEP-N01 @ 3'	6/27/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-S01 @ 3'	6/27/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-E01 @ 3'	6/27/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	0.00428
SEP-W01 @ 3'	6/27/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	0.007	<0.00200	<0.00200
SEP-B02 @ 3'	6/27/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
SEP-B02 @ 6'	6/27/2023	0.0300	<0.00200	<0.00200	0.00470	<0.200	<25.0	<100	<0.00380	0.00390	<0.00200
SEP-B03 @ 3'	6/27/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
SEP-B03 @ 6'	6/27/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
SEP-B04 @ 3'	6/27/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
SEP-B04 @ 6'	6/27/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
SEP-B05 @ 3'	6/27/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
SEP-B05 @ 6'	6/27/2023	0.00408	<0.00200	0.00256	0.00222	<0.200	<25.0	<100	<0.00380	<0.00200	<0.00200
SEP-B06 @ 9'	7/6/2023	0.385	0.0162	0.00722	0.109	0.893	<25.0	<100	0.004	0.0252	0.0127
SEP-N02 @ 8'	7/6/2023	0.0890	0.00512	0.0212	0.169	0.379	<25.0	<100	0.003	0.0273	0.00726
SEP-E02 @ 8'	7/6/2023	0.0575	<0.00200	0.00256	0.0279	<0.200	<25.0	<100	<0.002	0.00268	0.00304
SEP-B18 @ 13'	9/1/2023	0.0241	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-N05 @ 9'	9/5/2023	0.0565	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-B18 @ 14'	9/8/2023	0.324	<0.00200	0.0102	0.0266	0.436	<25.0	<100	0.015	0.0106	0.00298
Active Release Excavation Confirmation Soil Samples											
SEP-B13 @ 4'	8/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-B14 @ 4'	8/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-B15 @ 4'	8/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-B16 @ 4'	8/17/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-B17 @ 10'	9/1/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-S02 @ 3'	9/1/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-S02 @ 9'	9/1/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-S03 @ 3'	9/1/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200

TABLE 2
MCKINSTRY 28N 21N 7C 2N OSA
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
SEP-S03 @ 9'	9/1/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-S04 @ 3'	9/1/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-S04 @ 9'	9/1/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-E03 @ 3'	9/1/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-E03 @ 9'	9/1/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-W03 @ 3'	9/1/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-W03 @ 9'	9/1/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-N03 @ 3'	9/5/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-N03 @ 9'	9/5/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-N04 @ 3'	9/5/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-N04 @ 9'	9/5/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-N05 @ 3'	9/5/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-N06 @ 9'	9/8/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-B19 @ 14'	10/3/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-B20 @ 14'	10/3/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-B21 @ 18'	10/5/2023	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
Soil Boring Samples											
MW-01 @ 7.5-10'	2/27/2025	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
MW-02 @ 0-2.5'	2/27/2025	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
MW-02 @ 7.5-10'	2/27/2025	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
MW-03 @ 7.5-10'	2/27/2025	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
MW-04 @ 7.5-10'	2/27/2025	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
MW-05 @ 0-2.5'	2/27/2025	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
MW-06 @ 7.5-10'	8/7/2025	<0.002	<0.002	<0.002	<0.002	<0.200	<25.0	<100	<0.002	<0.002	<0.002
MW-07 @ 7.5-10'	8/7/2025	<0.002	<0.002	<0.002	<0.002	<0.200	<25.0	<100	<0.002	<0.002	<0.002
MW-08 @ 7.5-10'	8/7/2025	<0.002	<0.002	<0.002	<0.002	<0.200	<25.0	<100	<0.002	<0.002	<0.002

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
MCKINSTRY 28N 21N 7C 2N OSA
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)
<i>ECMC standards for soil⁽¹⁾</i>			6 - 8.3	<6	<4	2
<i>Background Limits</i>			(@3"): 8.45 (@3'): 8.50 (@10-12.5'): 8.42	(@3'): 6.36 (@6'): 9.29	(@2.5-5'): 4.20 (@6'): 5.17	(@6') 7.94
Initial Separator Soil Samples						
SEP-B07 @ 3"	7/31/2023	0.25	NA	1.38	0.203	<0.100
SEP-B08 @ 3"	7/31/2023	0.25	NA	1.38	0.234	<0.100
SEP-B09 @ 3"	7/31/2023	0.25	NA	1.74	0.212	0.516
SEP-B10 @ 3"	7/31/2023	0.25	NA	0.763	0.212	<0.0989
SEP-B11 @ 3"	7/31/2023	0.25	8.12	5.39	0.497	0.140
SEP-B12 @ 3"	7/31/2023	0.25	8.31*	1.14	0.209	<0.100
Active Release Excavation Soil Samples						
Initial Waste Characterization @ 3"	6/7/2023	0.25	8.06	58.8	8.96	3.44
SEP-B01 @ 6'	6/27/2023	6	NA	5.76	3.37	0.987
SEP-N01 @ 3'	6/27/2023	3	NA	8.85*	4.53*	1.85
SEP-S01 @ 3'	6/27/2023	3	NA	23.6	7.31	4.47*
SEP-E01 @ 3'	6/27/2023	3	NA	7.11*	3.49	1.93
SEP-W01 @ 3'	6/27/2023	3	NA	16.4	5.66	3.89*
SEP-B06 @ 9'	7/6/2023	9	NA	25.9	11.8	4.09*
SEP-N02 @ 8'	7/6/2023	8	NA	38.4	10.8	5.64*
SEP-E02 @ 8'	7/6/2023	8	NA	34.1	8.48	5.48*
SEP-B18 @ 13'	9/1/2023	13	NA	1.36	5.31	1.25
SEP-N05 @ 9'	9/5/2023	9	NA	1.43	2.18	2.24*
SEP-B18 @ 14'	9/8/2023	14	NA	17.2	7.83	4.24
Active Release Excavation Confirmation Soil Samples						
SEP-B13 @ 4'	8/17/2023	4	NA	2.07	1.67	0.780
SEP-B14 @ 4'	8/17/2023	4	NA	1.53	1.24	0.679
SEP-B15 @ 4'	8/17/2023	4	NA	1.34	1.31	0.767
SEP-B16 @ 4'	8/17/2023	4	NA	1.34	1.87	1.22
SEP-B17 @ 10'	9/1/2023	10	NA	0.598	3.13	1.43
SEP-S02 @ 3'	9/1/2023	3	NA	1.79	0.661	0.718
SEP-S02 @ 9'	9/1/2023	9	NA	0.684	2.05	2.04*
SEP-S03 @ 3'	9/1/2023	3	NA	2.06	0.867	0.906
SEP-S03 @ 9'	9/1/2023	9	NA	0.568	2.13	2.21*
SEP-S04 @ 3'	9/1/2023	3	NA	1.49	0.761	0.873
SEP-S04 @ 9'	9/1/2023	9	NA	0.802	1.80	2.65*
SEP-E03 @ 3'	9/1/2023	3	NA	6.19*	0.878	1.73
SEP-E03 @ 9'	9/1/2023	9	NA	15.9	5.70	3.68*
SEP-W03 @ 3'	9/1/2023	3	NA	1.44	0.924	1.08
SEP-W03 @ 9'	9/1/2023	9	NA	1.60	5.75	2.57*
SEP-N03 @ 3'	9/5/2023	3	NA	11.6	4.70*	0.991
SEP-N03 @ 9'	9/5/2023	9	NA	1.13	2.11	2.01*
SEP-N04 @ 3'	9/5/2023	3	NA	1.61	1.24	0.684
SEP-N04 @ 9'	9/5/2023	9	NA	1.97	3.62	2.27*
SEP-N05 @ 3'	9/5/2023	3	NA	1.32	0.691	0.674

TABLE 3
MCKINSTRY 28N 21N 7C 2N OSA
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)
<i>ECMC standards for soil⁽¹⁾</i>			6 - 8.3	<6	<4	2
<i>Background Limits</i>			(@3") : 8.45 (@3') : 8.50 (@10-12.5') : 8.42	(@3') : 6.36 (@6') : 9.29	(@2.5-5') : 4.20 (@6') : 5.17	(@6') 7.94
SEP-N06 @ 9'	9/8/2023	9	NA	0.947	2.72	3.17*
SEP-B19 @ 14'	10/3/2023	14	NA	4.73	3.28	1.23
SEP-B20 @ 14'	10/3/2023	14	NA	4.58	2.16	0.199
SEP-B21 @ 18'	10/5/2023	18	NA	9.92	5.20	1.41
Soil Boring Samples						
MW-01 @ 7.5-10'	2/27/2025	7.5-10	8.09	0.770	1.45	1.66
MW-02 @ 0-2.5'	2/27/2025	0-2.5	8.18	1.86	0.980	0.622
MW-02 @ 7.5-10'	2/27/2025	7.5-10	8.06	0.639	1.66	1.55
MW-03 @ 7.5-10'	2/27/2025	7.5-10	8.02	0.802	1.94	1.25
MW-04 @ 7.5-10'	2/27/2025	7.5-10	8.15	1.40	1.41	1.51
MW-05 @ 0-2.5'	2/27/2025	0-2.5	8.22	1.46	0.773	0.515
MW-06 @ 7.5-10'	8/7/2025	7.5-10	8.04	2.81	1.38	0.356
MW-07 @ 7.5-10'	8/7/2025	7.5-10	7.79	0.464	1.38	1.07
MW-08 @ 7.5-10'	8/7/2025	7.5-10	7.97	0.650	1.25	1.32
Background Soil Samples						
SEP-BG01 @ 3"	6/7/2023	0.25	8.45	0.297	0.344	0.660
SEP-BG02 @ 3"	6/7/2023	0.25	8.37	0.194	0.344	0.702
SEP-BG05 @ 7.5-10'	2/10/2025	7.5-10	8.03	0.813	3.69	0.660
SEP-BG05 @ 10-12.5'	2/10/2025	10-12.5	8.04	0.514	2.11	0.422
SEP-BG05 @ 12.5-15'	2/10/2025	12.5-15	7.96	0.419	3.05	0.524
SEP-BG06 @ 7.5-10'	2/10/2025	7.5-10	8.13	0.726	3.38	0.689
SEP-BG06 @ 10-12.5'	2/10/2025	10-12.5	8.17	0.833	2.99	0.802
SEP-BG06 @ 12.5-15'	2/10/2025	12.5-15	8.16	1.10	3.55	0.554
SEP-BG06 @ 15-17.5'	2/10/2025	15-17.5	8.16	0.765	3.40	0.398
SEP-BG06 @ 17.5-20'	2/10/2025	17.5-20	8.22	0.890	3.56	0.769
SEP-BG07 @ 7.5-10'	2/10/2025	7.5-10	8.15	0.762	3.14	0.931
SEP-BG07 @ 10-12.5'	2/10/2025	10-12.5	8.22	0.754	3.40	0.644
SEP-BG07 @ 12.5-15'	2/10/2025	12.5-15	8.21	1.08	3.55	0.453
SEP-BG08 @ 7.5-10'	2/10/2025	7.5-10	8.37	1.04	1.93	0.878
SEP-BG08 @ 10-12.5'	2/10/2025	10-12.5	8.19	0.698	3.40	0.625
SEP-BG08 @ 12.5-15'	2/10/2025	12.5-15	8.28	0.862	2.23	0.421
SEP-BG09 @ 7.5-10'	2/10/2025	7.5-10	8.41	0.972	1.29	0.701
SEP-BG09 @ 10-12.5'	2/10/2025	10-12.5	8.42	1.10	1.34	0.655
SEP-BG09 @ 12.5-15'	2/10/2025	12.5-15	8.25	1.13	1.03	0.519
SEP-BG09 @ 15-17.5'	2/10/2025	15-17.5	8.19	0.850	1.70	0.429
SEP-BG10 @ 0-2.5'	2/10/2025	0-2.5	8.36	1.23	0.866	1.35
SEP-BG10 @ 2.5-5'	2/10/2025	2.5-5	8.28	0.729	0.824	0.756
SEP-BG10 @ 5-7.5'	2/10/2025	5-7.5	8.25	0.724	0.798	0.734
SEP-BG10 @ 7.5-10'	2/10/2025	7.5-10	8.45	0.920	0.727	0.793
BG-11 @ 2.5-5'	8/8/2025	2.5-5	8.06	2.48	4.20	2.81
BG-11 @ 5-7.5'	8/8/2025	5-7.5	7.95	1.61	2.60	3.24

TABLE 3
MCKINSTRY 28N 21N 7C 2N OSA
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)
<i>ECMC standards for soil</i> ⁽¹⁾			6 - 8.3	<6	<4	2
<i>Background Limits</i>			(@3"): 8.45 (@3'): 8.50 (@10-12.5'): 8.42	(@3'): 6.36 (@6'): 9.29	(@2.5-5'): 4.20 (@6'): 5.17	(@6') 7.94
BG-11 @ 7.5-10'	8/8/2025	7.5-10	7.71	0.711	2.31	0.701
BG-11 @ 10-12.5'	8/8/2025	10-12.5	8.02	0.733	1.33	0.446
BG-11 @ 12.5-15'	8/8/2025	12.5-15	7.89	1.08	3.06	1.02
BG-11 @ 15-17.5'	8/8/2025	15-17.5	7.90	1.04	2.27	0.905
BG-11 @ 17.5-20'	8/8/2025	17.5-20	7.91	0.994	2.06	0.841
BG-12 @ 2.5-5'	8/8/2025	2.5-5	8.07	2.55	3.34	2.58
BG-12 @ 5-7.5'	8/8/2025	5-7.5	7.98	1.03	2.52	1.23
BG-12 @ 7.5-10'	8/8/2025	7.5-10	7.95	0.669	1.42	0.413
BG-12 @ 10-12.5'	8/8/2025	10-12.5	7.91	0.287	2.48	0.355
BG-12 @ 12.5-15'	8/8/2025	12.5-15	7.88	0.894	2.83	0.831
BG-12 @ 15-17.5'	8/8/2025	15-17.5	7.67	0.922	2.34	0.555
BG-12 @ 17.5-20'	8/8/2025	17.5-20	7.99	1.01	1.51	0.481
BG-13 @ 2.5-5'	8/8/2025	2.5-5	7.98	1.82	2.05	0.457
BG-13 @ 5-7.5'	8/8/2025	5-7.5	7.82	0.703	1.97	0.681
BG-13 @ 7.5-10'	8/8/2025	7.5-10	8.13	0.731	0.564	0.431
BG-13 @ 10-12.5'	8/8/2025	10-12.5	8.40	0.844	0.338	0.476
BG-13 @ 12.5-15'	8/8/2025	12.5-15	8.13	1.20	1.45	0.897
BG-13 @ 15-17.5'	8/8/2025	15-17.5	8.17	1.18	1.18	0.656
BG-13 @ 17.5-20'	8/8/2025	17.5-20	8.26	1.13	0.820	0.562
Background Soil Samples (Mckinstry 7C-21HZ)						
WH-BG01 @ 3'	10/15/2024	3	8.12	6.36	4.14	2.92
WH-BG01 @ 6'	10/15/2024	6	8.23	9.29	5.17	5.08
WH-BG02 @ 3'	10/15/2024	3	8.50	2.18	0.530	1.21
WH-BG02 @ 6'	10/15/2024	6	8.22	7.01	2.42	7.94
WH-BG03 @ 3'	10/15/2024	3	8.23	1.16	0.774	0.711
WH-BG03 @ 6'	10/15/2024	6	8.15	3.26	2.61	5.66

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 Adsorption Ratio

EC = Electrical Conductivity

NA = Not Analyzed

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 are within background limits.

TABLE 4
MCKINSTRY 28N 21N 7C 2N OSA
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)	Indeno(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
Initial Separator Soil Samples															
SEP-B07 @ 3"	7/31/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-B08 @ 3"	7/31/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-B09 @ 3"	7/31/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-B10 @ 3"	7/31/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Active Release Excavation Soil Samples															
Initial Waste Characterization @ 3"															
SEP-B01 @ 6'	6/27/2023	0.012	0.017	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	NA	<0.020	<0.020	<0.020
SEP-N01 @ 3'	6/27/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-S01 @ 3'	6/27/2023	<0.002	0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-E01 @ 3'	6/27/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-W01 @ 3'	6/27/2023	0.008	0.011	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-B06 @ 9"	7/6/2023	0.004	0.006	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-N02 @ 8'	7/6/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-E02 @ 8'	7/6/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-B18 @ 13'	9/1/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-N05 @ 9'	9/5/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-B18 @ 14'	9/8/2023	0.023	0.038	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Active Release Excavation Confirmation Soil Samples															
SEP-B13 @ 4'	8/17/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-B14 @ 4'	8/17/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-B15 @ 4'	8/17/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-B16 @ 4'	8/17/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-B17 @ 10'	9/1/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-S02 @ 3'	9/1/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-S02 @ 9'	9/1/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-S03 @ 3'	9/1/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-S03 @ 9'	9/1/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-S04 @ 3'	9/1/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-S04 @ 9'	9/1/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-E03 @ 3'	9/1/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-E03 @ 9'	9/1/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-W03 @ 3'	9/1/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-W03 @ 9'	9/1/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-N03 @ 3'	9/5/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-N03 @ 9'	9/5/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-N04 @ 3'	9/5/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-N04 @ 9'	9/5/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-N05 @ 3'	9/5/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-N06 @ 9'	9/8/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-B19 @ 14'	10/3/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-B20 @ 14'	10/3/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-B21 @ 18'	10/5/2023	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Soil Boring Samples															
MW-01 @ 7.5-10'	2/27/2025	<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
MW-02 @ 0-2.5'	2/27/2025	<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
MW-02 @ 7.5-10'	2/27/2025	<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
MW-03 @ 7.5-10'	2/27/2025	<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
MW-04 @ 7.5-10'	2/27/2025	<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
MW-05 @ 0-2.5'	2/27/2025	<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
MW-06 @ 7.5-10'	8/7/2025	<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
MW-07 @ 7.5-10'	8/7/2025	<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
MW-08 @ 7.5-10'	8/7/2025	<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

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

mg/kg = milligrams per kilogram

PAH = Polycyclic Aromatic Hydrocarbons

NA = Not Analyzed

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

**TABLE 5
MCKINSTRY 28N 21N 7C 2N OSA
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)
<i>ECMC standards for soil (mg/kg) ⁽¹⁾</i>		0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
<i>ECMC standards for soil (mg/kg) ⁽²⁾</i>		0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
<i>Background Limits (1.25 Buffer Applied)</i>		(@2.5-5'): 12.1 (@7.5-10'): 57.0 (@10-12.5'): 13.1 (@17.5-20'): 12.8	(@3''): 213 (@2.5-5'): 875 (@6'): 351 (@7.5-10'): 260	(@3''): 0.297	(@2.5-5'): 0.20 (@5-7.5'): 0.27 (12.5-15'): 0.18 (@17.5-20'): 0.21	(@6'): 18.2	(@2.5-5'): 19.7 (@5-7.5'): 18.8	(@6'): 21.7	(@3''): 0.356 (@5-7.5'): 0.602 (@7.5-10'): 1.55 (@12.5-15'): 0.802	N/A	(@6'): 73.2
Initial Separator Soil Samples											
SEP-B07 @ 3"	7/31/2023	1.93*	32.3	NA	NA	NA	NA	NA	<0.0935	NA	NA
SEP-B08 @ 3"	7/31/2023	3.92*	44.5	NA	NA	NA	NA	NA	0.121	NA	NA
SEP-B09 @ 3"	7/31/2023	15.0	145*	NA	NA	NA	NA	NA	0.219	NA	NA
SEP-B10 @ 3"	7/31/2023	3.72*	46.4	NA	NA	NA	NA	NA	0.175	NA	NA
Active Release Excavation Soil Samples											
Initial Waste Characterization @ 3"	6/7/2023	2.07*	65.8	<0.0982	*<0.244	<9.82	<9.82	<9.82	0.153	<0.0982	<98.2
SEP-B01 @ 6'	6/27/2023	3.73*	110*	NA	NA	NA	NA	NA	0.167	NA	NA
SEP-N01 @ 3'	6/27/2023	4.20*	130*	NA	NA	NA	NA	NA	0.168	NA	NA
SEP-S01 @ 3'	6/27/2023	5.29*	152*	NA	NA	NA	NA	NA	0.244	NA	NA
SEP-E01 @ 3'	6/27/2023	4.57*	141*	NA	NA	NA	NA	NA	0.159	NA	NA
SEP-W01 @ 3'	6/27/2023	4.75*	137*	NA	NA	NA	NA	NA	0.178	NA	NA
SEP-B06 @ 9'	7/6/2023	4.97*	151*	NA	NA	NA	NA	NA	0.330*	NA	NA
SEP-N02 @ 8'	7/6/2023	5.24*	157*	NA	NA	NA	NA	NA	0.166	NA	NA
SEP-E02 @ 8'	7/6/2023	5.92*	207*	NA	NA	NA	NA	NA	0.272*	NA	NA
SEP-B18 @ 13'	9/1/2023	4.49*	83.2*	NA	NA	NA	NA	NA	0.152	NA	NA
SEP-N05 @ 9'	9/5/2023	7.55*	112*	NA	NA	NA	NA	NA	0.260	NA	NA
SEP-B18 @ 14'	9/8/2023	13.0*	168*	NA	NA	NA	NA	NA	0.779*	NA	NA
Active Release Excavation Confirmation Soil Samples											
SEP-B13 @ 4'	8/17/2023	5.05*	140*	NA	NA	NA	NA	NA	0.135	NA	NA
SEP-B14 @ 4'	8/17/2023	4.93*	148*	NA	NA	NA	NA	NA	0.152	NA	NA
SEP-B15 @ 4'	8/17/2023	4.22*	117*	NA	NA	NA	NA	NA	0.123	NA	NA
SEP-B16 @ 4'	8/17/2023	5.40*	145*	NA	NA	NA	NA	NA	0.160	NA	NA
SEP-B17 @ 10'	9/1/2023	4.57*	164*	NA	NA	NA	NA	NA	0.165	NA	NA
SEP-S02 @ 3'	9/1/2023	5.27*	141*	NA	NA	NA	NA	NA	0.245	NA	NA
SEP-S02 @ 9'	9/1/2023	5.17*	148*	NA	NA	NA	NA	NA	0.190	NA	NA
SEP-S03 @ 3'	9/1/2023	5.46*	144*	NA	NA	NA	NA	NA	0.259	NA	NA
SEP-S03 @ 9'	9/1/2023	5.34*	118*	NA	NA	NA	NA	NA	0.107	NA	NA
SEP-S04 @ 3'	9/1/2023	5.23*	152*	NA	NA	NA	NA	NA	0.309*	NA	NA
SEP-S04 @ 9'	9/1/2023	5.55*	102*	NA	NA	NA	NA	NA	0.199	NA	NA
SEP-E03 @ 3'	9/1/2023	4.34*	131*	NA	NA	NA	NA	NA	0.174	NA	NA
SEP-E03 @ 9'	9/1/2023	5.13*	149*	NA	NA	NA	NA	NA	0.123	NA	NA
SEP-W03 @ 3'	9/1/2023	5.09*	148*	NA	NA	NA	NA	NA	0.238	NA	NA
SEP-W03 @ 9'	9/1/2023	5.72*	169*	NA	NA	NA	NA	NA	0.218	NA	NA
SEP-N03 @ 3'	9/5/2023	4.16*	134*	NA	NA	NA	NA	NA	0.128	NA	NA
SEP-N03 @ 9'	9/5/2023	7.03*	129*	NA	NA	NA	NA	NA	0.198	NA	NA
SEP-N04 @ 3'	9/5/2023	6.78*	179*	NA	NA	NA	NA	NA	0.159	NA	NA
SEP-N04 @ 9'	9/5/2023	7.56*	132*	NA	NA	NA	NA	NA	0.174	NA	NA
SEP-N05 @ 3'	9/5/2023	6.16*	149*	NA	NA	NA	NA	NA	0.246	NA	NA

**TABLE 5
MCKINSTRY 28N 21N 7C 2N OSA
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)
<i>ECMC standards for soil (mg/kg) ⁽¹⁾</i>		0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
<i>ECMC standards for soil (mg/kg) ⁽²⁾</i>		0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
<i>Background Limits (1.25 Buffer Applied)</i>		(@2.5-5'): 12.1 (@7.5-10'): 57.0 (@10-12.5'): 13.1 (@17.5-20'): 12.8	(@3''): 213 (@2.5-5'): 875 (@6''): 351 (@7.5-10'): 260	(@3''): 0.297	(@2.5-5'): 0.20 (@5-7.5'): 0.27 (12.5-15'): 0.18 (@17.5-20'): 0.21	(@6''): 18.2	(@2.5-5'): 19.7 (@5-7.5'): 18.8	(@6''): 21.7	(@3''): 0.356 (@5-7.5'): 0.602 (@7.5-10'): 1.55 (@12.5-15'): 0.802	N/A	(@6''): 73.2
SEP-N06 @ 9'	9/8/2023	4.93*	165*	NA	NA	NA	NA	NA	0.156	NA	NA
SEP-B19 @ 14'	10/3/2023	4.33*	104*	NA	NA	NA	NA	NA	0.618*	NA	NA
SEP-B20 @ 14'	10/3/2023	1.01*	40.7	NA	NA	NA	NA	NA	0.59*	NA	NA
SEP-B21 @ 18'	10/5/2023	2.83*	83.4*	NA	NA	NA	NA	NA	0.566*	NA	NA
Soil Boring Samples											
MW-01 @ 7.5-10'	2/27/2025	7.01*	124*	0.118	*<0.136	10.4	9.38	10.9	0.291*	<0.0848	38.8
MW-02 @ 0-2.5'	2/27/2025	9.04*	162*	0.270	*<0.177	13.9	13.2	15.5	0.495*	<0.0925	58.6
MW-02 @ 7.5-10'	2/27/2025	5.88*	213*	0.132	*<0.135	<9.51	6.05	9.18	0.299*	<0.0951	<35.2
MW-03 @ 7.5-10'	2/27/2025	6.73*	150*	0.115	*<0.0945	<9.57	8.28	11.0	0.294*	<0.0957	38.1
MW-04 @ 7.5-10'	2/27/2025	7.69*	118*	0.0929	*<0.124	11.4	9.86	14.7	0.317*	<0.0893	44.5
MW-05 @ 0-2.5'	2/27/2025	6.43*	141*	0.262	*<0.192	13.6	12.5	14.6	0.415*	<0.0915	51.6
MW-06 @ 7.5-10'	8/7/2025	3.49*	141*	<0.357	*<0.08	<43.2	<13.2	<24.4	<0.244	<0.752	<348
MW-07 @ 7.5-10'	8/7/2025	4.60*	131*	<0.371	*<0.08	<44.9	<13.7	<25.4	<0.254	<0.780	<361
MW-08 @ 7.5-10'	8/7/2025	6.90*	179*	<0.344	*<0.08	<41.7	<12.7	<23.5	<0.235	<0.725	<335
Background Soil Samples											
SEP-BG01 @ 3"	6/7/2023	5.41	171	0.202	<0.244	11.6	10.6	13.0	0.241	<0.0876	<87.6
SEP-BG02 @ 3"	6/7/2023	5.30	157	0.238	<0.244	13.8	12.5	13.6	0.285	<0.0944	<94.4
SEP-BG05 @ 7.5-10'	2/10/2025	6.31	47.5	<0.0967	NA	<9.67	11.3	9.11	<0.251	<0.0967	41.5
SEP-BG05 @ 10-12.5'	2/10/2025	6.15	17.4	<0.0938	NA	<9.38	8.39	7.58	0.337	<0.0938	38.1
SEP-BG05 @ 12.5-15'	2/10/2025	6.77	17.5	<0.0970	NA	<9.70	8.36	7.04	0.642	<0.0970	57.4
SEP-BG06 @ 7.5-10'	2/10/2025	6.71	42.4	<0.0916	NA	<9.16	9.00	8.65	<0.238	<0.0916	42.0
SEP-BG06 @ 10-12.5'	2/10/2025	7.82	45.3	<0.0992	NA	<9.92	9.79	9.16	0.258	<0.0992	43.6
SEP-BG06 @ 12.5-15'	2/10/2025	6.51	65.4	<0.0853	NA	<8.53	8.87	8.93	<0.222	<0.0853	40.0
SEP-BG06 @ 15-17.5'	2/10/2025	6.54	22.2	<0.0869	NA	<8.69	6.57	6.17	<0.226	<0.0869	<32.2
SEP-BG06 @ 17.5-20'	2/10/2025	6.89	50.8	<0.0954	NA	<9.54	8.66	8.69	<0.248	<0.0954	39.3
SEP-BG07 @ 7.5-10'	2/10/2025	8.65	80.2	0.0984	NA	<9.37	9.97	10.0	<0.244	<0.0937	43.6
SEP-BG07 @ 10-12.5'	2/10/2025	8.32	33.4	<0.0967	NA	<9.67	8.97	8.86	0.304	<0.0967	39.8
SEP-BG07 @ 12.5-15'	2/10/2025	8.81	45.9	<0.0965	NA	<9.65	9.52	9.32	<0.251	<0.0965	42.4
SEP-BG08 @ 7.5-10'	2/10/2025	5.73	137	0.135	NA	8.82	9.52	11.0	<0.229	<0.0880	43.6
SEP-BG08 @ 10-12.5'	2/10/2025	6.70	35.9	<0.0946	NA	<9.46	10.1	8.77	<0.246	<0.0946	46.0
SEP-BG08 @ 12.5-15'	2/10/2025	6.57	33.1	<0.0854	NA	<8.54	7.93	7.42	<0.222	<0.0854	34.1
SEP-BG09 @ 7.5-10'	2/10/2025	6.76	54.4	<0.0859	NA	<8.59	10.2	9.81	<0.223	<0.0859	44.6
SEP-BG09 @ 10-12.5'	2/10/2025	7.86	49.3	<0.0906	NA	10.2	11.6	10.6	0.276	<0.0906	50.2
SEP-BG09 @ 12.5-15'	2/10/2025	6.75	41.2	<0.0994	NA	<9.94	8.68	8.23	<0.258	<0.0994	38.1
SEP-BG09 @ 15-17.5'	2/10/2025	5.77	35.5	<0.0939	NA	<9.39	7.24	6.92	<0.244	<0.0939	<34.7
SEP-BG10 @ 0-2.5'	2/10/2025	6.27	147	0.155	NA	11.5	11.1	14.1	0.250	<0.0835	51.5
SEP-BG10 @ 2.5-5'	2/10/2025	5.54	138	0.115	NA	<8.68	8.50	10.9	0.253	<0.0868	40.5
SEP-BG10 @ 5-7.5'	2/10/2025	4.37	134	0.0949	NA	<8.63	6.02	7.11	<0.224	<0.0863	<31.9
SEP-BG10 @ 7.5-10'	2/10/2025	4.69	85.5	0.0893	NA	<8.84	7.59	8.92	<0.230	<0.0884	34.4

**TABLE 5
MCKINSTRY 28N 21N 7C 2N OSA
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)
<i>ECMC standards for soil (mg/kg) ⁽¹⁾</i>		0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
<i>ECMC standards for soil (mg/kg) ⁽²⁾</i>		0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
<i>Background Limits (1.25 Buffer Applied)</i>		(@2.5-5'): 12.1 (@7.5-10'): 57.0 (@10-12.5'): 13.1 (@17.5-20'): 12.8	(@3"): 213 (@2.5-5'): 875 (@6"): 351 (@7.5-10'): 260	(@3"): 0.297	(@2.5-5'): 0.20 (@5-7.5'): 0.27 (12.5-15'): 0.18 (@17.5-20'): 0.21	(@6"): 18.2	(@2.5-5'): 19.7 (@5-7.5'): 18.8	(@6"): 21.7	(@3"): 0.356 (@5-7.5'): 0.602 (@7.5-10'): 1.55 (@12.5-15'): 0.802	N/A	(@6"): 73.2
BG-11 @ 2.5-5'	8/8/2025	6.52	122	<0.319	0.10	<38.6	<11.8	<21.8	0.267	<0.672	<311
BG-11 @ 5-7.5'	8/8/2025	8.03	167	<0.338	0.22	<40.9	15.1	<23.1	0.482	<0.712	<329
BG-11 @ 7.5-10'	8/8/2025	45.6	145	<0.344	<0.08	<41.7	<12.7	<23.6	1.24	<0.725	<335
BG-11 @ 10-12.5'	8/8/2025	10.5	<73.1	<0.339	<0.08	<41.0	13.1	<23.2	<0.232	<0.714	<330
BG-11 @ 12.5-15'	8/8/2025	7.89	98.7	<0.320	0.13	<38.7	<11.8	<21.9	0.274	<0.673	<311
BG-11 @ 15-17.5'	8/8/2025	7.61	76.8	<0.329	0.13	<39.9	<12.1	<22.5	<0.225	<0.693	<321
BG-11 @ 17.5-20'	8/8/2025	10.3	<70.8	<0.328	0.17	<39.7	<12.1	<22.5	0.330	<0.691	<320
BG-12 @ 2.5-5'	8/8/2025	9.68	700	<0.346	0.10	<41.8	12.9	<23.6	0.313	<0.727	<336
BG-12 @ 5-7.5'	8/8/2025	8.28	130	<0.329	<0.08	<39.9	<12.1	<22.5	0.410	<0.693	<321
BG-12 @ 7.5-10'	8/8/2025	4.46	208	<0.336	<0.08	<40.7	<12.4	<23.0	<0.230	<0.708	<327
BG-12 @ 10-12.5'	8/8/2025	8.65	<79.6	<0.369	<0.08	<44.7	<13.6	<25.2	<0.252	<0.777	<359
BG-12 @ 12.5-15'	8/8/2025	9.48	<80.8	<0.375	0.15	<45.3	<13.8	<25.6	0.281	<0.789	<365
BG-12 @ 15-17.5'	8/8/2025	5.96	<75.9	<0.352	0.12	<42.6	<13.0	<24.1	<0.241	<0.741	<343
BG-12 @ 17.5-20'	8/8/2025	6.67	<79.9	<0.370	0.14	<44.8	<13.6	<25.3	<0.253	<0.780	<361
BG-13 @ 2.5-5'	8/8/2025	8.12	182	<0.339	0.16	<41.1	15.8	<23.2	0.417	<0.714	<330
BG-13 @ 5-7.5'	8/8/2025	5.76	126	<0.328	<0.08	<39.6	<12.1	<22.4	<0.224	<0.690	<319
BG-13 @ 7.5-10'	8/8/2025	5.22	114	<0.344	<0.08	<41.6	<12.7	<23.5	<0.235	<0.724	<335
BG-13 @ 10-12.5'	8/8/2025	8.01	<75.1	<0.348	<0.08	<42.1	<12.8	<23.8	<0.238	<0.732	<339
BG-13 @ 12.5-15'	8/8/2025	7.51	108	<0.347	0.10	<42.0	<12.8	<23.8	<0.238	<0.731	<338
BG-13 @ 15-17.5'	8/8/2025	7.09	<80.4	<0.373	0.10	<45.1	<13.7	<25.5	<0.255	<0.784	<363
BG-13 @ 17.5-20'	8/8/2025	7.17	<74.1	<0.343	0.14	<41.6	<12.7	<23.5	<0.235	<0.723	<334
Background Soil Samples (Mckinstry 7C-21HZ)											
WH-BG01 @ 3'	10/15/2024	5.43	311	0.201	<0.161	13.8	11.0	15.3	0.296	<0.0846	48.5
WH-BG01 @ 6'	10/15/2024	7.39	148	0.159	<0.143	14.3	11.8	16.1	0.277	<0.0953	51.7
WH-BG02 @ 3'	10/15/2024	5.91	260	0.157	<0.194	11.0	9.96	13.0	<0.247	<0.0951	44.7
WH-BG02 @ 6'	10/15/2024	8.19	281	0.152	<0.151	14.3	11.6	16.6	0.322	<0.0947	51.6
WH-BG03 @ 3'	10/15/2024	5.97	151	0.179	<0.171	10.9	9.75	12.9	<0.247	<0.0950	44.8
WH-BG03 @ 6'	10/15/2024	7.11	142	0.130	<0.118	14.6	12.7	17.4	<0.254	<0.0977	58.6

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

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

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 are within background limits.



TABLE 6
MCKINSTRY 28N 21N 7C 2N O SA
GROUNDWATER ELEVATION SUMMARY TABLE
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Relative Top of Casing Elevation (feet)	Depth to Groundwater from Top of Casing (feet)	Stickup Height (feet)	Depth to Groundwater from Ground Surface (feet)	Relative Groundwater Elevation (feet)
MW-01	3/14/2025	99.14	10.31	N/A	10.31	88.83
	6/11/2025		9.26	N/A	9.26	89.88
	9/16/2025		9.32	N/A	9.32	89.82
MW-02	3/14/2025	99.76	11.34	N/A	11.34	88.42
	6/11/2025		10.24	N/A	10.24	89.52
	9/16/2025		9.91	N/A	9.91	89.85
MW-03	3/14/2025	100.00	11.37	N/A	11.37	88.63
	6/11/2025		10.65	N/A	10.65	89.35
	9/16/2025		10.29	N/A	10.29	89.71
MW-04	3/14/2025	99.17	10.22	N/A	10.22	88.95
	6/11/2025		9.28	N/A	9.28	89.89
	9/16/2025		9.40	N/A	9.40	89.77
MW-05	3/14/2025	99.32	10.76	N/A	10.76	88.56
	6/11/2025		9.41	N/A	9.41	89.91
	9/16/2025		9.38	N/A	9.38	89.94
MW-06	9/16/2025	99.92	10.15	N/A	10.15	89.77
MW-07	9/16/2025	99.81	10.11	N/A	10.11	89.70
MW-08	9/16/2025	99.52	9.66	N/A	9.66	89.86
MW-09	9/16/2025	101.71	12.46	2.50	9.96	89.25
MW-10	9/16/2025	103.21	14.53	3.79	10.74	88.68
MW-11	9/16/2025	98.71	8.84	N/A	8.84	89.87

N/A = Not Applicable

TABLE 7
MCKINSTRY 28N 21N 7C 2N O SA
GROUNDWATER RESULTS SUMMARY TABLE - VOCs
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4- Trimethylbenzene (µg/L)	1,3,5- Trimethylbenzene (µg/L)
<i>ECMC Standards for Groundwater (µg/L)⁽¹⁾</i>		5	560	700	1400	140	67	67
<i>Initial Grab Groundwater Sample</i>								
GW-01	9/5/2023	37.3	14.0	2.83	48.2	<2.00	<2.00	3.80
<i>Monitoring Well Groundwater Samples</i>								
MW-01	3/14/2025	<1	<2	<1	<1	<5	<1	<1
	6/11/2025	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
	9/16/2025	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
MW-02	3/14/2025	<1	<2	<1	<1	<5	<1	<1
	6/11/2025	8.20	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
	9/16/2025	1.93	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
MW-03	3/14/2025	<1	<2	<1	<1	<5	<1	<1
	6/11/2025	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
	9/16/2025	1.41	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
MW-04	3/14/2025	<1	<2	<1	<1	<5	<1	<1
	6/11/2025	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
	9/16/2025	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
MW-05	3/14/2025	<1	<2	<1	<1	<5	<1	<1
	6/11/2025	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
	9/16/2025	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
MW-06	9/16/2025	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
MW-07	9/16/2025	1.06	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
MW-08	9/16/2025	10.9	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
MW-09	9/16/2025	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
MW-10	9/16/2025	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
MW-11	9/16/2025	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00

Notes:

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

ECMC = Energy & Carbon Management Commission

µg/L = micrograms per liter

< = Analytical result is less than the laboratory reporting limit

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



TABLE 8
MCKINSTRY 28N 21N 7C 2N O SA
GROUNDWATER ANALYTICAL RESULTS SUMMARY - INORGANIC PARAMETERS
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Total Dissolved Solids (mg/L)	Chloride Ion (mg/L)	Sulfate Ion (mg/L)	Dissolved Arsenic ⁽²⁾ (µg/L)
ECMC Standards for Groundwater⁽¹⁾		<1.25 x Local Background	250	250	10⁽²⁾
Local Background Limits		5012	45.7	3137	9.25
Monitoring Well Groundwater Samples					
MW-01	3/14/2025	3650	38.7	2550*	<5.00
	6/11/2025	3730	<31.2	2300*	<5.00
	9/16/2025	3970	50.8	2590*	NA
MW-02	3/14/2025	5850	615	3380	<5.00
	6/11/2025	4950	476	2760*	<5.00
	9/16/2025	5830	951	3010*	NA
MW-03	3/14/2025	6190	1660	2790*	<5.00
	6/11/2025	5960	1360	2520*	<5.00
	9/16/2025	6720	1930	2550*	NA
MW-04	3/14/2025	4010	36.6	2510*	9.25
	6/11/2025	3670	<31.2	2240*	<5.00
	9/16/2025	3680	<31.2	2280*	NA
MW-05	3/14/2025	3650	38.1	2440*	<5.00
	6/11/2025	3770	<31.2	2300*	<5.00
	9/16/2025	3880	31.3	2460*	NA
MW-06	9/16/2025	4550	419	2450*	NA
MW-07	9/16/2025	5920	1280	2320*	NA
MW-08	9/16/2025	5340	864	2500*	NA
MW-09	9/16/2025	1580	<31.2	983*	NA
MW-10	9/16/2025	2920	<31.2	1890*	NA
MW-11	9/16/2025	1170	<31.2	604*	NA

Notes:

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

⁽²⁾ Standards are taken from WQCC Regulation 41 Table 1 - Domestic Water Supply - Human Health Standards

ECMC = Energy & Carbon Management Commission

WQCC = Water Quality Control Commission

µg/L = micrograms per liter

mg/L = milligrams per liter

NA = Not Analyzed

< = Analytical result is less than the laboratory reporting limit

Local background limits for total dissolved solids, chloride ions, and sulfate ions were calculated by multiplying concentrations collected from upgradient monitoring well MW-04 by 1.25

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

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