

**TABLE 1
MILLER JIMMIE E 1 FACILITY
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)
Tank Battery Soil Samples							
SEP-B01 @ 4'	9/9/2024	4	1.3	N/S	N/O	40.08963961855975, -104.712207458124	Y
SEP-B02 @ 4'	9/9/2024	4	1.5	N/S	N/O	40.089643209540895, -104.712165213342	Y
AST-B01 @ 3"	9/9/2024	0.25	0.8	N/S	N/O	40.089952198812576, -104.712134584845	Y
AST-B01-01 @ 3"	9/12/2024	0.25	2.3	N/S	N/O	40.0899445725751, -104.712127730711	Y
AST-B02 @ 3"	9/9/2024	0.25	1.2	N/S	N/O	40.089949741687505, -104.712147464638	N
MH-B01 @ 3"	9/9/2024	0.25	0.3	N/S	N/O	40.08955311181979, -104.712224257111	N
ECD-B01 @ 3"	9/9/2024	0.25	0.2	N/S	N/O	40.08961140366869, -104.712073347708	N
Produced Water Vault Soil Samples							
PW-B01 @ 5'	9/9/2024	5	0.4	N/S	N/O	40.089895014339405, -104.712168074193	Y
PW-B01-01 @ 5'	9/12/2024	5	2.0	N/S	N/O	40.0898828961338, -104.712162536103	Y
PW-N01 @ 4'	9/9/2024	4	0.8	N/S	N/O	40.0899105359478, -104.712167375099	N
PW-E01 @ 4'	9/9/2024	4	0.8	N/S	N/O	40.08989691154153, -104.712153192186	N
PW-S01 @ 4'	9/9/2024	4	0.9	N/S	N/O	40.0898841341435, -104.712166377341	N
PW-W01 @ 4'	9/9/2024	4	0.6	N/S	N/O	40.089894114498875, -104.712180884058	Y
Background Soil Samples							
PW-BG01 @ 3'	9/9/2024	3	0.5	N/S	N/O	40.08986252150543, -104.712475313085	Y
PW-BG01 @ 6'	9/9/2024	6	0.7	N/S	N/O	40.08986252150543, -104.712475313085	Y
PW-BG02 @ 3'	9/9/2024	3	2.7	N/S	N/O	40.09014725076957, -104.712261710164	Y
PW-BG02 @ 6'	9/9/2024	6	2.3	N/S	N/O	40.09014725076957, -104.712261710164	Y
PW-BG03 @ 3'	9/9/2024	3	0.6	N/S	N/O	40.08983801469781, -104.711969648024	Y
PW-BG03 @ 6'	9/9/2024	6	0.7	N/S	N/O	40.08983801469781, -104.711969648024	Y
AST-BG01 @ 3"	9/9/2024	0.25	0.2	N/S	N/O	40.089958094727024, -104.711974317974	Y
AST-BG02 @ 3"	9/9/2024	0.25	0.5	N/S	N/O	40.08999659393936, -104.711977557437	Y
AST-BG03 @ 3"	9/9/2024	3	0.8	N/S	N/O	40.090062336530586, -104.711991225756	Y
Wellhead Background Soil Samples (Miller 11-31)							
WH-BG01 @ 3'	7/30/2024	3	1.0	N/S	N/O	40.0934099786037, -104.708873070637	Y
WH-BG01 @ 6'	7/30/2024	6	1.4	N/S	N/O	40.0934099786037, -104.708873070637	Y
WH-BG02 @ 3'	7/30/2024	3	3.1	N/S	N/O	40.0933541469505, -104.708759173865	Y
WH-BG02 @ 6'	7/30/2024	6	3.4	N/S	N/O	40.0933541469505, -104.708759173865	Y
WH-BG03 @ 3'	7/30/2024	3	0.5	N/S	N/O	40.093269847463, -104.708724943582	Y
WH-BG03 @ 6'	7/30/2024	6	0.8	N/S	N/O	40.093269847463, -104.708724943582	Y
WH-BG04 @ 3'	7/30/2024	3	0.1	N/S	N/O	40.093169503921, -104.708749404147	Y
WH-BG04 @ 6'	7/30/2024	6	0.8	N/S	N/O	40.093169503921, -104.708749404147	Y
WH-BG05 @ 3'	7/30/2024	3	1.1	N/S	N/O	40.0931520710529, -104.708967089048	Y
WH-BG05 @ 6'	7/30/2024	6	0.8	N/S	N/O	40.0931520710529, -104.708967089048	Y
WH-BG06 @ 3'	7/30/2024	3	1.4	N/S	N/O	40.093326903748, -104.709021319789	Y
WH-BG06 @ 6'	7/30/2024	6	1.1	N/S	N/O	40.093326903748, -104.709021319789	Y

Notes:

bgs = below ground surface
 PID = photoionization detector
 ppm-v = parts per million by volume

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



**TABLE 2
MILLER JIMMIE E 1 FACILITY
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)</i> ⁽¹⁾		0.0026	0.69	0.78	9.9	500			0.0038	0.0081	0.0087
<i>ECMC standards for soil (mg/kg)</i> ⁽²⁾		1.2	490	5.8	58	500			2	30	27
Tank Battery Soil Samples											
SEP-B01 @ 4'	09/09/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-B02 @ 4'	09/09/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
AST-B01 @ 3"	09/09/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
Produced Water Soil Samples											
PW-B01 @ 5'	09/09/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
PW-W01 @ 4'	09/09/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200

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 & Carbon Management Commission

< = Analytical result is less than the laboratory reporting limit

mg/kg = milligrams per kilogram

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
MILLER JIMMIE E 1 FACILITY
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			(@3') 8.69	(@3') 9.46	(@6') 3.80	(@6') 0.784
Tank Battery Soil Samples						
SEP-B01 @ 4'	9/9/2024	4	8.34*	0.0787	0.196	0.172
SEP-B02 @ 4'	9/9/2024	4	8.35*	0.0572	0.212	0.143
AST-B01 @ 3"	9/9/2024	0.25	8.33*	0.0682	0.237	0.170
AST-B01-01 @ 3"	9/12/2024	0.25	8.36*	NA	NA	NA
Produced Water Soil Samples						
PW-B01 @ 5'	9/9/2024	5	8.37*	0.229	0.200	0.105
PW-B01-01 @ 5'	9/12/2024	5	8.51*	NA	NA	NA
PW-W01 @ 4'	9/9/2024	4	8.38*	0.149	0.211	0.136
Background Soil Samples						
PW-BG01 @ 3'	9/9/2024	3	8.32	0.930	0.228	0.119
PW-BG01 @ 6'	9/9/2024	6	8.37	1.25	0.450	0.298
PW-BG02 @ 3'	9/9/2024	3	8.25	0.117	0.126	0.170
PW-BG02 @ 6'	9/9/2024	6	8.41	0.158	0.218	0.218
PW-BG03 @ 3'	9/9/2024	3	8.36	0.337	0.214	0.160
PW-BG03 @ 6'	9/9/2024	6	8.41	0.597	0.353	0.510
AST-BG01 @ 3"	9/9/2024	0.25	7.74	<0.0100	0.541	0.650
AST-BG02 @ 3"	9/9/2024	0.25	7.39	0.0407	0.953	0.494
AST-BG03 @ 3"	9/9/2024	0.25	7.65	0.0156	0.430	0.282
Wellhead Background Soil Samples (Miller 11-31)						
WH-BG01 @ 3'	7/30/2024	3	8.69	9.46	0.935	0.440
WH-BG01 @ 6'	7/30/2024	6	8.23	4.63	3.21	0.295
WH-BG02 @ 3'	7/30/2024	3	8.38	1.67	0.468	0.154
WH-BG02 @ 6'	7/30/2024	6	8.10	5.06	3.80	0.784
WH-BG03 @ 3'	7/30/2024	3	8.52	0.573	0.362	0.185
WH-BG03 @ 6'	7/30/2024	6	8.49	3.70	0.734	0.279
WH-BG04 @ 3'	7/30/2024	3	8.53	0.526	0.281	0.140
WH-BG04 @ 6'	7/30/2024	6	8.52	2.82	0.506	0.194
WH-BG05 @ 3'	7/30/2024	3	8.44	0.988	0.276	0.132
WH-BG05 @ 6'	7/30/2024	6	8.45	1.14	0.359	0.123
WH-BG06 @ 3'	7/30/2024	3	8.50	0.588	0.394	0.112
WH-BG06 @ 6'	7/30/2024	6	8.48	4.48	0.684	0.243

Notes:

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

ECMC = Energy & 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

NA = Not Analyzed

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

**TABLE 4
MILLER JIMMIE E 1 FACILITY
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)
<i>ECMC standards for soil (mg/kg) ⁽¹⁾</i>		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
<i>ECMC standards for soil (mg/kg) ⁽²⁾</i>		18	24	360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180
Tank Battery Soil Samples															
SEP-B01 @ 4'	9/9/2024	<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
SEP-B02 @ 4'	9/9/2024	<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
AST-B01 @ 3"	9/9/2024	<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
Produced Water Soil Samples															
PW-B01 @ 5'	9/9/2024	<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-W01 @ 4'	9/9/2024	<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

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
(<) = Analytical result is less than the indicated laboratory reporting limit
mg/kg = milligrams per kilogram
PAH = Polycyclic Aromatic Hydrocarbons

**TABLE 5
MILLER JIMMIE E 1 FACILITY
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>Site Specific Background Limits (1.25x Buffer Applied)</i>		(@3") 2.52 (@6") 9.95	(@3") 103 (@6") 207	(@6") 0.256	N/A	(@3') 15.2	(@3') 14.1	(@3') 20.3	(@6") 0.526	N/A	(@3') 64.7
Tank Battery Soil Samples											
SEP-B01 @ 4'	9/9/24	2.92*	99.1*	0.188	*<0.310	<9.29	9.71	7.43	<0.241	<0.0929	34.4
SEP-B02 @ 4'	9/9/24	2.53*	113*	0.155	*<0.228	<8.64	7.44	6.39	<0.225	<0.0864	<32.0
AST-B01 @ 3"	9/9/24	2.49*	116	0.130	*<0.333	<8.79	7.21	6.40	<0.228	<0.0879	<32.5
AST-B01-01 @ 3"	9/11/24	NA	96.5*	NA	NA	NA	NA	NA	NA	NA	NA
Produced Water Soil Samples											
PW-B01 @ 5'	9/9/24	10.2	177*	0.343	*<0.348	22.2	11.9	13.3	0.408*	<0.0969	49.7
PW-B01-01 @ 5'	9/11/24	3.17*	NA	NA	NA	NA	NA	NA	NA	NA	NA
PW-W01 @ 4'	9/9/24	8.82*	190*	0.273	*<0.367	12.0	10.9	12.3	<0.258	<0.0992	44.6
Background Soil Samples											
PW-BG01 @ 3'	9/9/24	2.23	75.9	0.139	<0.356	<9.47	7.19	6.00	<0.246	<0.0947	<35.0
PW-BG01 @ 6'	9/9/24	6.28	786	0.184	<0.451	8.96	9.10	11.3	<0.221	<0.0848	37.5
PW-BG02 @ 3'	9/9/24	5.18	166	0.138	<0.374	12.2	11.3	16.3	<0.235	<0.0902	51.8
PW-BG02 @ 6'	9/9/24	5.18	142	0.189	<0.354	9.97	9.13	11.5	0.421	<0.0960	40.4
PW-BG03 @ 3'	9/9/24	2.78	104	0.134	<0.292	<8.44	8.05	7.23	<0.219	<0.0844	<31.2
PW-BG03 @ 6'	9/9/24	7.96	625	0.205	<0.292	9.65	8.84	12.0	0.258	<0.0911	37.6
AST-BG01 @ 3"	9/9/24	1.92	82.8	0.175	<0.263	<8.89	9.13	5.10	<0.231	<0.0889	<32.9
AST-BG02 @ 3"	9/9/24	2.02	72.4	0.159	<0.267	<8.75	8.15	4.81	<0.227	<0.0875	<32.4
AST-BG03 @ 3"	9/9/24	1.51	55.2	0.132	<0.352	<9.46	8.07	3.99	<0.246	<0.0946	<35.0
Wellhead Background Soil Samples (Miller 11-31)											
WH-BG01 @ 3'	7/30/24	3.17	108	0.143	<0.317	<9.35	8.56	8.91	<0.243	<0.0935	35.7
WH-BG01 @ 6'	7/30/24	2.46	77.8	0.101	<0.309	<8.85	8.38	6.58	<0.230	<0.0885	<32.8
WH-BG02 @ 3'	7/30/24	2.17	63.6	0.153	<0.275	<8.44	8.79	5.30	<0.219	<0.0844	<31.2
WH-BG02 @ 6'	7/30/24	3.52	96.3	0.145	<0.487	<9.81	9.94	9.04	0.262	<0.0981	51.0
WH-BG03 @ 3'	7/30/24	2.36	84.8	<0.0967	<0.318	<9.67	6.47	6.33	<0.252	<0.0967	<35.8
WH-BG03 @ 6'	7/30/24	2.46	86.2	0.101	<0.439	<9.29	6.47	6.69	<0.242	<0.0929	<34.4
WH-BG04 @ 3'	7/30/24	2.23	91.3	0.0966	<0.250	<9.29	6.08	6.38	<0.242	<0.0929	<34.4
WH-BG04 @ 6'	7/30/24	2.20	66.5	<0.0982	<0.263	<9.82	5.29	5.75	<0.255	<0.0982	<36.3
WH-BG05 @ 3'	7/30/24	2.66	91.1	0.109	<0.348	<8.70	7.15	7.33	<0.226	<0.0870	<32.2
WH-BG05 @ 6'	7/30/24	2.37	83.4	0.0899	<0.249	<8.56	6.19	6.33	<0.223	<0.0856	<31.7

TABLE 5
MILLER JIMMIE E 1 FACILITY
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>Site Specific Background Limits (1.25x Buffer Applied)</i>		(@3") 2.52 (@6') 9.95	(@3") 103 (@6') 207	(@6') 0.256	N/A	(@3') 15.2	(@3') 14.1	(@3') 20.3	(@6') 0.526	N/A	(@3') 64.7
WH-BG06 @ 3'	7/30/24	2.43	76.9	0.0889	<0.297	<8.55	6.16	6.49	<0.222	<0.0855	<31.6
WH-BG06 @ 6'	7/30/24	2.71	73.5	0.109	<0.288	<9.18	8.03	6.89	<0.239	<0.0918	<34.0

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

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

mg/kg = milligrams per kilogram

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

NA = Not Analyzed

N/A = Not Applicable

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

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