

TABLE 1
MAYNE 2-10A
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)
Mayne 2-10A Initial Wellhead Soil Samples							
WH-B01 @ 6'	5/9/2025	6	1.7	N/S	N/O	40.24492865318913, -104.760937831695	Y
WH-B01-01 @ 6'	5/9/2025	6	1.7	N/S	N/O	40.24492865318913, -104.760937831695	Y
WH-RIS @ 4'	5/9/2025	4	1.1	Strong HC Staining	N/O	40.24491412465615, -104.760939440464	Y
WH-RIS-01 @ 4'	5/9/2025	4	1.1	Strong HC Staining	N/O	40.24491412465615, -104.760939440464	Y
WH-N01 @ 5'	5/9/2025	5	2.9	N/S	N/O	40.244942041857634, -104.760933480784	N
WH-S01 @ 5'	5/9/2025	5	2.7	N/S	N/O	40.24491631131236, -104.760940907896	N
WH-E01 @ 5'	5/9/2025	5	3.0	N/S	N/O	40.24492720364324, -104.760922408032	N
WH-W01 @ 5'	5/9/2025	5	2.8	N/S	N/O	40.24492640313242, -104.760955312185	N
WHS-N01 @ 3"	5/9/2025	0.25	2.4	N/S	N/O	40.244973626630625, -104.760929296579	N
WHS-S01 @ 3"	5/9/2025	0.25	1.5	N/S	N/O	40.24488194829172, -104.760933963296	N
WHS-E01 @ 3"	5/9/2025	0.25	2.2	N/S	N/O	40.244935233141035, -104.760892080787	N
WHS-W01 @ 3"	5/9/2025	0.25	2.7	N/S	N/O	40.24493836625627, -104.760994829007	N
Mayne 2-10A Wellhead Background Soil Samples							
WH-BG01 @ 3'	5/9/2025	3	1.8	N/S	N/O	40.245103020180906, -104.760748239681	Y
WH-BG01 @ 6'	5/9/2025	6	2.3	N/S	N/O	40.245103020180906, -104.760748239681	Y
WH-BG02 @ 3'	5/9/2025	3	2.5	N/S	N/O	40.24483987182294, -104.76115659289	Y
WH-BG02 @ 6'	5/9/2025	6	2.8	N/S	N/O	40.24483987182294, -104.76115659289	Y
WH-BG03 @ 3'	5/9/2025	3	2.6	N/S	N/O	40.24502658767526, -104.761209194464	Y
WH-BG03 @ 6'	5/9/2025	6	2.0	N/S	N/O	40.24502658767526, -104.761209194464	Y
WH-BG04 @ 3'	5/9/2025	3	3.8	N/S	N/O	40.24519616544898, -104.761088475761	Y
WH-BG04 @ 6'	5/9/2025	6	3.1	N/S	N/O	40.24519616544898, -104.761088475761	Y

Notes:

bgs = below ground surface N/S = No Staining
PID = photoionization detector N/O = No Odor
ppm-v = parts per million by volume HC = Hydrocarbon
BOLD = ECMC Table 915-1 exceedance remaining



TABLE 2
MAYNE 2-10A
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)	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			0.0081	0.0087
<i>ECMC standards for soil (mg/kg) ⁽²⁾</i>		1.2	490	5.8	58	500			30	27
Mayne 2-10A Initial Wellhead Soil Samples										
WH-B01 @ 6'	5/9/2025	<0.00200	<0.0100	<0.0100	<0.100	<0.100	<4.00	4.16	<0.00500	<0.00500
WH-RIS @ 4'	5/9/2025	<0.00200	<0.0100	<0.0100	<0.100	<0.100	6.32	11.7	<0.00500	<0.00500

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
MAYNE 2-10A
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>Site-Specific Background Limits</i>			8.71	2.91	3.15	1.12
Mayne 2-10A Initial Wellhead Soil Samples						
WH-B01 @ 6'	5/9/2025	6	8.84	0.638	0.495	0.273
WH-B01-01 @ 6'	5/9/2025	6	8.25	NA	NA	NA
WH-RIS @ 4'	5/9/2025	4	8.28	1.38	0.573	0.538
WH-RIS-01 @ 4'	5/9/2025	4	7.81	NA	NA	NA
Mayne 2-10A Wellhead Background Soil Samples						
WH-BG01 @ 3'	5/9/2025	3	8.11	2.91	3.15	1.12
WH-BG01 @ 6'	5/9/2025	6	8.09	2.05	3.05	1.08
WH-BG02 @ 3'	5/9/2025	3	8.71	2.85	0.621	1.03
WH-BG02 @ 6'	5/9/2025	6	8.46	2.47	1.26	0.763
WH-BG03 @ 3'	5/9/2025	3	8.51	2.71	0.937	0.733
WH-BG03 @ 6'	5/9/2025	6	8.41	2.04	0.975	0.454
WH-BG04 @ 3'	5/9/2025	3	8.30	2.48	2.12	0.733
WH-BG04 @ 6'	5/9/2025	6	8.55	1.88	0.525	0.598

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 Adsorption Ratio

EC = Electrical Conductivity

NA = Not Analyzed

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

TABLE 4
MAYNE 2-10A
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)	Naphthalene (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	0.0038	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	2	180
<i>Mayne 2-10A Initial Wellhead Soil Samples</i>																
WH-B01 @ 6'	5/9/2025	<0.00300	<0.0120	<0.0330	<0.0330	<0.00600	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.00300	<0.0330
WH-RIS @ 4'	5/9/2025	0.0368	0.0400	<0.0330	<0.0330	<0.00600	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	0.0229	<0.0330

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

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

**TABLE 5
MAYNE 2-10A
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>		6.83	363	N/A	N/A	16.8	13.7	18.7	0.760	N/A	66.1
Mayne 2-10A Initial Wellhead Soil Samples											
WH-B01 @ 6'	5/9/2025	3.49*	133*	<0.200	*<0.300	<10.0	<10.0	<10.0	0.411*	<0.500	<50.0
WH-RIS @ 4'	5/9/2025	4.73*	140*	<0.200	*<0.300	13.7	12.0	15.5	0.800	<0.500	53.6
Mayne 2-10A Wellhead Background Soil Samples											
WH-BG01 @ 3'	5/9/2025	4.61	121	<0.200	<0.300	11.3	10.1	12.2	0.512	<0.500	<50.0
WH-BG01 @ 6'	5/9/2025	4.10	144	<0.200	<0.300	10.1	<10.0	11.3	0.520	<0.500	<50.0
WH-BG02 @ 3'	5/9/2025	5.31	101	<0.200	<0.300	13.5	11.0	15.0	0.592	<0.500	52.9
WH-BG02 @ 6'	5/9/2025	4.15	112	<0.200	<0.300	<10.0	<10.0	10.4	0.470	<0.500	<50.0
WH-BG03 @ 3'	5/9/2025	4.64	291	<0.200	<0.300	<10.0	<10.0	10.7	0.424	<0.500	<50.0
WH-BG03 @ 6'	5/9/2025	4.58	108	<0.200	<0.300	<10.0	<10.0	10.7	0.409	<0.500	<50.0
WH-BG04 @ 3'	5/9/2025	3.88	92.8	<0.200	<0.300	<10.0	<10.0	<10.0	0.343	<0.500	<50.0
WH-BG04 @ 6'	5/9/2025	5.47	134	<0.200	<0.300	12.4	10.5	14.2	0.608	<0.500	50.7

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

(<) = 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 concentrations.

N/A = Not Applicable

