

TABLE 1
KENNEDY 14-2
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 Wellhead Soil Samples							
WH-B01 @ 7'	5/13/2025	7	2.3	N/S	N/O	40.2488487201857, -104.747180653431	Y
WH-RIS @ 4'	5/13/2025	4	3.0	N/S	N/O	40.2488673266186, -104.74717580633	Y
WH-N01 @ 6'	5/13/2025	6	2.4	N/S	N/O	40.2488603710307, -104.74717378199	N
WH-S01 @ 6'	5/13/2025	6	2.4	N/S	N/O	40.2488351796209, -104.747169694618	N
WH-E01 @ 6'	5/13/2025	6	2.6	N/S	N/O	40.2488514301491, -104.747157435088	N
WH-W01 @ 6'	5/13/2025	6	2.2	N/S	N/O	40.2488485272892, -104.747189078363	N
WHS-S01 @ 3"	5/13/2025	0.25	1.3	N/S	N/O	40.2489020233101, -104.747185593599	N
WHS-S01 @ 3"	5/13/2025	0.25	0.9	N/S	N/O	40.2488023963495, -104.747127491723	N
WHS-E01 @ 3"	5/13/2025	0.25	1.2	N/S	N/O	40.248874200463, -104.747107325005	N
WHS-W01 @ 3"	5/13/2025	0.25	1.1	N/S	N/O	40.2488116373903, -104.747229865521	N
Wellhead Background Soil Samples							
WH-BG01 @ 3'	5/13/2025	3	3.5	N/S	N/O	40.2489926188842, -104.747155522252	Y
WH-BG01 @ 6'	5/13/2025	6	3.0	N/S	N/O	40.2489926188842, -104.747155522252	Y
WH-BG02 @ 3'	5/13/2025	3	2.1	N/S	N/O	40.2487777632958, -104.747011045884	Y
WH-BG02 @ 6'	5/13/2025	6	1.6	N/S	N/O	40.2487777632958, -104.747011045884	Y
WH-BG03 @ 3'	5/13/2025	3	1.9	N/S	N/O	40.2486774913394, -104.747290693167	Y
WH-BG03 @ 6'	5/13/2025	6	2.3	N/S	N/O	40.2486774913394, -104.747290693167	Y
WH-BG04 @ 3'	5/13/2025	3	2.7	N/S	N/O	40.2488100017704, -104.747432130298	Y
WH-BG04 @ 6'	5/13/2025	6	3.1	N/S	N/O	40.2488100017704, -104.747432130298	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
KENNEDY 14-2
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)
ECMC standards for soil (mg/kg) ⁽¹⁾		0.0026	0.69	0.78	9.9	500			0.0081	0.0087
ECMC standards for soil (mg/kg) ⁽²⁾		1.2	490	5.8	58	500			30	27
Initial Wellhead Soil Samples										
WH-B01 @ 7'	5/13/2025	<0.00200	<0.0100	<0.0100	<0.100	<0.100	<4.00	5.95	<0.00500	<0.00500
WH-RIS @ 4'	5/13/2025	<0.00200	<0.0100	<0.0100	<0.100	<0.100	<4.00	<4.00	<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 = Trimethybenzene

TABLE 3
KENNEDY 14-2
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 ⁽¹⁾			6 - 8.3	<6	<4	2
Site-Specific Background Limits			8.24	4.31	2.22	0.229
Initial Wellhead Soil Samples						
WH-B01 @ 7'	5/13/2025	7	7.12	0.364	0.213	<0.200
WH-RIS @ 4'	5/13/2025	4	7.78	0.0863	0.222	<0.200
Wellhead Background Soil Samples						
WH-BG01 @ 3'	5/13/2025	3	7.16	0.0602	0.102	<0.200
WH-BG01 @ 6'	5/13/2025	6	7.25	0.103	0.0457	<0.200
WH-BG02 @ 3'	5/13/2025	3	7.74	0.0906	0.0999	<0.200
WH-BG02 @ 6'	5/13/2025	6	7.36	0.123	0.105	<0.200
WH-BG03 @ 3'	5/13/2025	3	7.94	1.13	1.71	<0.200
WH-BG03 @ 6'	5/13/2025	6	8.02	4.31	2.22	0.229
WH-BG04 @ 3'	5/13/2025	3	8.24	0.330	0.229	<0.200
WH-BG04 @ 6'	5/13/2025	6	7.78	0.470	0.117	<0.200

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

TABLE 4
KENNEDY 14-2
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>Initial Wellhead Soil Samples</i>																
WH-B01 @ 7'	5/13/2025	<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'	5/13/2025	<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

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

PAH = Polycyclic Aromatic Hydrocarbons

mg/kg = milligrams per kilogram

TABLE 5
KENNEDY 14-2
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>		5.75	137	0.422	N/A	19.3	26.3	19.0	0.867	N/A	74.6
Initial Wellhead Soil Samples											
WH-B01 @ 7'	5/13/2025	1.31*	42.3	0.120	*<0.300	<10.0	<10.0	<10.0	0.242	<0.500	<50.0
WH-RIS @ 4'	5/13/2025	1.30*	34.6	<0.100	*<0.300	<10.0	<10.0	<10.0	0.206	<0.500	<50.0
Wellhead Background Soil Samples											
WH-BG01 @ 3'	5/13/2025	1.19	46.0	<0.100	<0.300	<10.0	<10.0	<10.0	0.239	<0.500	<50.0
WH-BG01 @ 6'	5/13/2025	1.21	55.9	<0.100	<0.300	<10.0	<10.0	<10.0	0.174	<0.500	<50.0
WH-BG02 @ 3'	5/13/2025	1.12	42.6	<0.100	<0.300	<10.0	<10.0	<10.0	0.181	<0.500	<50.0
WH-BG02 @ 6'	5/13/2025	1.06	39.6	<0.100	<0.300	<10.0	<10.0	<10.0	0.208	<0.500	<50.0
WH-BG03 @ 3'	5/13/2025	4.60	110	0.338	<0.300	15.5	21.1	15.2	0.694	<0.500	59.7
WH-BG03 @ 6'	5/13/2025	3.67	91.9	0.125	<0.300	<10.0	15.1	<10.0	0.554	<0.500	<50.0
WH-BG04 @ 3'	5/13/2025	1.88	70.8	0.101	<0.300	<10.0	<10.0	<10.0	0.275	<0.500	<50.0
WH-BG04 @ 6'	5/13/2025	1.89	58.4	<0.100	<0.300	<10.0	<10.0	<10.0	0.257	<0.500	<50.0

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

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

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

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

N/A = Not Applicable

mg/kg = milligrams per kilogram

TABLE 6
KENNEDY 14-2
SOIL VAPOR DATA SUMMARY TABLE
KERR-McGEE OIL AND GAS ONSHORE LP

Soil Vapor Point ID	Date	Time	Methane (%)	Carbon Dioxide (%)	Carbon Monoxide (PPM)	Oxygen (%)	Hydrogen Sulfide (PPM)	Sample Collected (Y or N)
SVP-01 @ 5'	5/20/2025	1105	0.0	0.5	0	20.0	0	N
SVP-02 @ 5'	5/20/2025	1107	0.0	0.5	0	19.9	0	N
SVP-03 @ 5'	5/20/2025	1109	0.0	0.5	0	19.8	0	N
SVP-04 @ 9'	5/20/2025	1112	0.0	0.2	0	20.0	0	N
SVP-05 @ 9'	5/20/2025	1114	0.0	0.3	0	20.1	0	N

Notes:

% = percentage

ppm = parts per million