

TABLE 1
GREENLEAF 16N-15HZ O SA PRODUCTION FACILITY (RECENT RELEASE)
SOIL SAMPLE FIELD DATA SUMMARY TABLE
KERR-McGEE OIL AND GAS ONSHORE LP

Soil Sample Location	Date	Depth (ft. bgs)	PID Reading (ppm)	Visual Observation	Olfactory Observation	Latitude	Longitude	GPS PDOP Value	Submitted for Lab Analysis? (Y/N)
B01@3"	09/25/23	0.25	171.1	HC Staining	HC Odor	40.14522540	-104.6493496	0.9	Yes
B02@6'	12/28/23	6	11.0	No Staining	No Odor	40.14525556	-104.6493268	1.3	Yes
B03@6'	12/28/23	6	0.8	No Staining	No Odor	40.14521526	-104.6493256	1.4	Yes
N01@4'	12/28/23	4	0.4	No Staining	No Odor	40.14526954	-104.6493477	1.3	Yes
S01@4'	12/28/23	4	0.4	No Staining	No Odor	40.14518900	-104.6493465	1.3	Yes
E01@4'	12/28/23	4	3.4	No Staining	No Odor	40.14524622	-104.6493266	1.4	Yes
E02@4'	12/28/23	4	0.4	No Staining	No Odor	40.14520741	-104.6493241	1.4	Yes
W01@4'	12/28/23	4	0.6	No Staining	No Odor	40.14524795	-104.6493729	1.2	Yes
W02@4'	12/28/23	4	0.5	No Staining	No Odor	40.14521128	-104.6493755	1.2	Yes
BACKGROUND SOIL SAMPLING									
BG01@3"	09/25/23	0.25	1.4	No Staining	No Odor	40.14576869	-104.6492958	0.8	Yes
BG02@3"	09/25/23	0.25	2.8	No Staining	No Odor	40.14483483	-104.6493449	0.8	Yes
BG03@3"	09/25/23	0.25	1.7	No Staining	No Odor	40.14524856	-104.6490574	0.8	Yes
BG04@3"	09/25/23	0.25	0.8	No Staining	No Odor	40.14534709	-104.6498159	0.9	Yes

Notes:

ft. bgs = Feet below ground surface
 PID = Photoionization detector
 ppm = Parts per million
 HC = Hydrocarbon
 GPS = Global positioning system
 PDOP = Position dilution of precision

TABLE 2
GREENLEAF 16N-15HZ O SA PRODUCTION FACILITY (RECENT RELEASE)
SOIL SAMPLE RESULTS SUMMARY TABLE - VOCs
KERR-McGEE OIL AND GAS ONSHORE LP

Soil Sample Location	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TVPH-GRO (mg/kg)	TEPH-DRO (mg/kg)	TEPH-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	0.0038	500			0.0081	0.0087
ECMC standards for soil (mg/kg) ⁽²⁾		1.2	490	5.8	58	2	500			30	27
B01@3"	09/25/23	<0.00200	<0.00200	<0.00200	0.110	0.104	10.9	321	203	<0.00200	0.154
B02@6'	12/28/23	<0.00200	<0.00200	0.113	0.291	0.010	12.1	<25.0	<100	0.0364	0.191
B03@6'	12/28/23	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<0.200	<25.0	<100	<0.00200	<0.00200
N01@4'	12/28/23	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<0.200	<25.0	<100	<0.00200	<0.00200
S01@4'	12/28/23	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<0.200	<25.0	<100	<0.00200	<0.00200
E01@4'	12/28/23	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<0.200	<25.0	<100	<0.00200	<0.00200
E02@4'	12/28/23	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<0.200	<25.0	<100	<0.00200	<0.00200
W01@4'	12/28/23	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<0.200	<25.0	<100	<0.00200	<0.00200
W02@4'	12/28/23	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<0.200	<25.0	<100	<0.00200	<0.00200

Notes:
(1) Standards for soil 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 = Colorado Energy and Carbon Management Commission
(<) = Analytical result is less than the indicated laboratory reporting limit
mg/kg = Milligrams per kilogram
TVPH - GRO = Total volatile petroleum hydrocarbons - gasoline range organics
TEPH - DRO = Total extractable petroleum hydrocarbons - diesel range organics
TEPH - ORO = Total extractable petroleum hydrocarbons - oil range organics
1,2,4 - TMB = 1,2,4 - Trimethylbenzene
1,3,5 - TMB = 1,3,5 - Trimethylbenzene
BOLD = Analytical result is in exceedance of ECMC Table 915-1 soil standards

TABLE 3
GREENLEAF 16N-15HZ O SA PRODUCTION FACILITY (RECENT RELEASE)
SOIL SAMPLE RESULTS SUMMARY TABLE - PAHs
KERR-McGEE OIL AND GAS ONSHORE LP

Soil Sample Location	Date	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)A (mg/kg)	Benzo(b)F (mg/kg)	Benzo(k)F (mg/kg)	Benzo(a)P (mg/kg)	Chrysene (mg/kg)	D (a,h) A (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	1,2,3-CD (mg/kg)	1-M (mg/kg)	2-M (mg/kg)	Naphthalene (mg/kg)	Pyrene (mg/kg)
ECMC standards for soil (mg/kg) ⁽¹⁾		0.55	5.8	0.011	0.3	2.9	0.24	9	0.096	8.9	0.54	0.98	0.006	0.019	0.0038	1.3
ECMC standards for soil (mg/kg) ⁽²⁾		360	1,800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	2	180
B01@3"	09/25/23	0.101	0.020	<0.010	<0.040	<0.040	<0.040	<0.040	<0.040	<0.020	0.130	<0.040	0.455	0.842	0.104	<0.040
B02@6'	12/28/23	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.022	0.037	0.010	<0.020
B03@6'	12/28/23	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.002	<0.020
N01@4'	12/28/23	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.002	<0.020
S01@4'	12/28/23	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.002	<0.020
E01@4'	12/28/23	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.002	<0.020
E02@4'	12/28/23	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.002	<0.020
W01@4'	12/28/23	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.002	<0.020
W02@4'	12/28/23	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.002	<0.020

Notes:

(1) Standards for soil 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 = Colorado Energy and Carbon Management Commission

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

mg/kg = Milligrams per kilogram

Benzo(a)A = Benzo(a)anthracene

Benzo(b)F = Benzo(b)fluoranthene

Benzo(k)F = Benzo(k)fluoranthene

Benzo(a)P = Benzo(a)pyrene

D (a,h) A = Dibenz(a,h)anthracene

1,2,3-CD = Indeno(1,2,3-cd)pyrene

1-M = 1-Methylnaphthalene

2-M = 2-Methylnaphthalene

BOLD = Analytical result is in exceedance of ECMC Table 915-1 soil standards

TABLE 4
GREENLEAF 16N-15HZ O SA PRODUCTION FACILITY (RECENT RELEASE)
SOIL SAMPLE RESULTS SUMMARY TABLE - METALS
KERR-McGEE OIL AND GAS ONSHORE LP

Soil Sample Location	Date	Depth (ft. bgs)	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
ECMC standards for soil (mg/kg) ⁽²⁾			0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
Site-Specific Background Limits			4.85	637.5	0.2325	NA	13.5	15.875	NA	0.33375	NA	NA
B01@3"	09/25/23	0.25	1.56*	54.7	<0.0959	<0.244	<9.59	<9.59	<9.59	<0.0959	<0.0959	<95.9
B02@6'	12/28/23	6	2.35*	86.6*	<0.0875	<0.244	<8.75	6.47	6.45	0.0901	<0.0875	29.1
B03@6'	12/28/23	6	3.23*	112*	<0.0985	<0.244	9.85	9.94	9.17	<0.0985	<0.0985	42.9
N01@4'	12/28/23	4	2.86*	26.1	<0.0870	<0.244	<8.70	5.04	3.43	<0.0870	<0.0870	10.9
S01@4'	12/28/23	4	1.63*	54.3	<0.0958	<0.244	<9.58	6.22	5.67	0.121	<0.0958	27.7
E01@4'	12/28/23	4	2.99*	35.0	<0.0864	<0.244	<8.64	4.55	4.77	<0.0864	<0.0864	18.7
E02@4'	12/28/23	4	2.21*	73.5	0.122	<0.244	<9.60	7.33	6.65	0.113	<0.0960	47.1
W01@4'	12/28/23	4	2.62*	76.2	0.105	<0.244	<8.53	7.20	7.01	0.146	<0.0853	32.8
W02@4'	12/28/23	4	1.89*	66.5	0.0895	<0.244	13.9	6.44	8.21	0.0904	<0.0886	38.1
BACKGROUND SOIL SAMPLING												
BG01@3"	09/25/23	0.25	2.51	117	0.117	<0.251	<9.83	<9.83	<9.83	<0.0983	<0.0983	<98.3
BG02@3"	09/25/23	0.25	3.88	260	0.164	<0.244	<8.36	<8.36	<8.36	0.267	<0.0836	<83.6
BG03@3"	09/25/23	0.25	3.43	510	0.186	<0.248	10.8	12.7	<8.55	0.169	<0.0855	<85.5
BG04@3"	09/25/23	0.25	2.13	66.2	0.104	<0.249	<8.90	<8.90	<8.90	0.141	<0.0890	<89.0

Notes:

(1) Standards for soil 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 = Colorado Energy and Carbon Management Commission

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

mg/kg = Milligrams per kilogram

BOLD = Analytical result is in exceedance of ECMC Table 915-1 soil standards

* Result exceeded the ECMC Table 915-1 standard, but was within the range of site-specific background concentrations x 1.25

Italics = Laboratory minimum detection limit exceeds the ECMC Table 915-1 standard

NA = Constituent not analyzed; no background standard

TABLE 5
GREENLEAF 16N-15HZ O SA PRODUCTION FACILITY (RECENT RELEASE)
SOIL SAMPLE RESULTS SUMMARY TABLE - SOIL SUITABILITY FOR RECLAMATION
KERR-McGEE OIL AND GAS ONSHORE LP

Soil 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			8.10 - 8.19	2.83	2.32	0.532
B01@3"	09/25/23	0.25	8.19	19.1	4.81	1.65
B02@6'	12/28/23	6	8.43	4.59	0.307	0.148
B03@6'	12/28/23	6	8.84	13.4	0.557	1.12
N01@4'	12/28/23	4	8.29	0.316	0.145	<0.0996
S01@4'	12/28/23	4	8.31	0.971	0.227	0.134
E01@4'	12/28/23	4	8.25	1.83	0.362	0.122
E02@4'	12/28/23	4	8.23	2.18	0.388	0.314
W01@4'	12/28/23	4	8.48	5.71	0.465	0.627
W02@4'	12/28/23	4	8.36	1.46	0.308	0.234
BACKGROUND SOIL SAMPLING						
BG01@3"	09/25/23	0.25	8.18	0.220	0.338	0.447
BG02@3"	09/25/23	0.25	8.13	2.83	2.32	0.473
BG03@3"	09/25/23	0.25	8.10	1.48	1.37	0.532
BG04@3"	09/25/23	0.25	8.19	0.883	0.259	0.304

Notes:

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

ECMC = Colorado Energy and Carbon Management Commission

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

ft. bgs = Feet below ground surface

mmhos/cm = Millmhos per centimeter

mg/L = Milligrams per liter

SAR = Sodium Adsorption Ratio

EC = Electrical Conductivity

BOLD = Analytical result is in exceedance of ECMC Table 915-1 soil standards