

TABLE 1
MULGA 29C SMALL EYED 14C HZ O SA PRODUCTION FACILITY
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	Horizontal GPS Accuracy (ft.)	Submitted for Lab Analysis? (Y/N)
WP01@3"	10/08/24	0.25	1,494	HC Staining	HC Odor	40.119299	-104.863132	NA	Y
REL-B01@6'	11/06/24	6	0.4	No Staining	Cl Odor	40.119284	-104.863155	1.31	Y
REL-N01@3'	11/06/24	3	0.7	No Staining	No Odor	40.119333	-104.863145	1.75	Y
REL-E01@3'	11/06/24	3	63.2	No Staining	No Odor	40.119292	-104.863126	1.1	Y
REL-S01@3'	11/06/24	3	0.4	No Staining	No Odor	40.119273	-104.863139	0.89	Y
REL-W01@3'	11/06/24	3	0.1	No Staining	No Odor	40.119293	-104.863163	1.26	Y
REL-B02@8'	12/02/24	8	270.2	No Staining	No Odor	40.119300	-104.863135	1.23	Y
REL-N02@4'	12/02/24	4	0.2	No Staining	No Odor	40.119317	-104.863142	0.9	Y
REL-S02@4'	12/02/24	4	0.8	No Staining	No Odor	40.119276	-104.863134	1.08	Y
REL-E02@4'	12/02/24	4	0.8	No Staining	No Odor	40.119296	-104.863110	1.27	Y
REL-B03@9'	12/09/24	9	111.0	No Staining	Cl Odor	40.119297	-104.863101	1.69	Y
REL-B04@9.5'	12/31/24	10	19.0	No Staining	Cl Odor	40.119293	-104.863104	0.65	Y
REL-N03@4'	12/31/24	4	3.1	No Staining	No Odor	40.119321	-104.863137	0.71	Y
REL-E03@4'	12/31/24	4	1.0	No Staining	No Odor	40.119301	-104.863106	0.69	Y
BACKGROUND SOIL SAMPLING									
BG01@3"	10/08/24	0.25	0.1	No Staining	No Odor	40.119616	-104.863799	NA	Y
BG02@3"	10/08/24	0.25	0.6	No Staining	No Odor	40.119165	-104.864141	NA	Y
BG03@3"	10/08/24	0.25	0.0	No Staining	No Odor	40.119437	-104.862886	NA	Y
BG04@3"	10/08/24	0.25	0.4	No Staining	No Odor	40.119058	-104.862869	NA	Y

Notes:

ft. bgs = Feet below ground surface

PID = Photoionization detector

ppm = Parts per million

GPS = Global positioning system

NA = Not applicable; GPS data not available

HC = Hydrocarbon

Cl = Chlorine

TABLE 2
MULGA 29C SMALL EYED 14C HZ O SA PRODUCTION FACILITY
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)	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	500			0.0081	0.0087
ECMC standards for soil (mg/kg) ⁽²⁾		1.2	490	5.8	58	500			30	27
WP01@3"	10/08/24	5.09	29.7	5.36	86.0	7,620	18,200	4,510	49.1	28.0
REL-B01@6'	11/06/24	ND	ND	ND	0.0409	4.41	ND	ND	0.0227	0.0317
REL-N01@3'	11/06/24	ND	ND	ND	ND	ND	ND	ND	ND	ND
REL-E01@3'	11/06/24	ND	ND	ND	0.0343	0.727	ND	ND	0.00862	0.0336
REL-S01@3'	11/06/24	ND	ND	ND	ND	ND	ND	ND	ND	ND
REL-W01@3'	11/06/24	ND	ND	ND	ND	ND	ND	ND	ND	ND
REL-B02@8'	12/02/24	ND	ND	ND	4.83	146	448	409	3.12	1.14
REL-N02@4'	12/02/24	ND	ND	ND	ND	ND	ND	ND	ND	ND
REL-S02@4'	12/02/24	ND	ND	ND	ND	ND	ND	ND	ND	ND
REL-E02@4'	12/02/24	ND	ND	ND	ND	ND	ND	ND	ND	ND
REL-B03@9'	12/09/24	0.00244	0.0122	0.0112	0.198	16.3	73.5	ND	0.247	0.105
REL-B04@9.5'	12/31/24	0.00222	ND	ND	0.00212	1.33	ND	ND	0.00546	ND
REL-N03@4'	12/31/24	ND	ND	ND	ND	ND	ND	ND	ND	ND
REL-E03@4'	12/31/24	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

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

ND = Non-detect, concentration below minimum detection limit and/or laboratory reporting limit

TABLE 3
MULGA 29C SMALL EYED 14C HZ O SA PRODUCTION FACILITY
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
WP01@3"	10/08/24	ND	ND	0.070	ND	ND	ND	0.457	ND	ND	3.13	ND	15.6	31.4	4.44	0.212
REL-B01@6'	11/06/24	NA	NA	ND	NA	NA	NA	ND	NA	NA	ND	NA	0.005	0.005	ND	ND
REL-N01@3'	11/06/24	NA	NA	ND	NA	NA	NA	ND	NA	NA	ND	NA	ND	ND	ND	ND
REL-E01@3'	11/06/24	NA	NA	ND	NA	NA	NA	ND	NA	NA	ND	NA	0.006	0.004	ND	ND
REL-S01@3'	11/06/24	NA	NA	ND	NA	NA	NA	ND	NA	NA	ND	NA	ND	ND	ND	ND
REL-W01@3'	11/06/24	NA	NA	ND	NA	NA	NA	ND	NA	NA	ND	NA	ND	ND	ND	ND
REL-B02@8'	12/02/24	NA	NA	ND	NA	NA	NA	ND	NA	NA	0.142	NA	0.810	1.69	0.386	ND
REL-N02@4'	12/02/24	NA	NA	ND	NA	NA	NA	ND	NA	NA	ND	NA	ND	ND	ND	ND
REL-S02@4'	12/02/24	NA	NA	ND	NA	NA	NA	ND	NA	NA	ND	NA	ND	ND	ND	ND
REL-E02@4'	12/02/24	NA	NA	ND	NA	NA	NA	ND	NA	NA	ND	NA	ND	ND	ND	ND
REL-B03@9'	12/09/24	NA	NA	Pending	NA	NA	NA	Pending	NA	NA	Pending	NA	Pending	Pending	Pending	Pending
REL-B04@9.5'	12/31/24	NA	NA	Pending	NA	NA	NA	Pending	NA	NA	Pending	NA	Pending	Pending	Pending	Pending
REL-N03@4'	12/31/24	NA	NA	Pending	NA	NA	NA	Pending	NA	NA	Pending	NA	Pending	Pending	Pending	Pending
REL-E03@4'	12/31/24	NA	NA	Pending	NA	NA	NA	Pending	NA	NA	Pending	NA	Pending	Pending	Pending	Pending

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

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 = Dibenzo(a,h)anthracene

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

1-M = 1-Methylnaphthalene

2-M = 2-Methylnaphthalene

ND = Non-detect, concentration below minimum detection limit and/or laboratory reporting limit

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

NA = Constituent not analyzed

Pending = Analytical results pending final laboratory reporting

TABLE 4
MULGA 29C SMALL EYED 14C HZ O SA PRODUCTION FACILITY
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			6.98	627.5	-	-	-	-	-	0.336	-	-
WP01@3"	10/08/24	0.25	10.6	172*	0.280	ND	9.96	12.8	10.3	ND	ND	ND
REL-B01@6'	11/06/24	6	2.33*	72.7	0.0935	NA	ND	5.60	7.36	NA	NA	NA
REL-N01@3'	11/06/24	3	2.37*	60.6	0.0905	NA	ND	6.42	7.69	NA	NA	NA
REL-E01@3'	11/06/24	3	2.15*	56.5	ND	NA	ND	5.09	6.38	NA	NA	NA
REL-S01@3'	11/06/24	3	2.13*	50.7	ND	NA	ND	4.88	7.03	NA	NA	NA
REL-W01@3'	11/06/24	3	1.60*	18.5	ND	NA	ND	2.82	4.23	NA	NA	NA
REL-B02@8'	12/02/24	8	2.43*	77.5	ND	NA	ND	4.81	8.57	NA	NA	NA
REL-N02@4'	12/02/24	4	2.30*	53.6	ND	NA	ND	5.36	7.11	NA	NA	NA
REL-S02@4'	12/02/24	4	1.70*	24.7	ND	NA	ND	3.01	3.46	NA	NA	NA
REL-E02@4'	12/02/24	4	3.25*	55.3	ND	NA	ND	5.16	8.09	NA	NA	NA
REL-B03@9'	12/09/24	9	2.71*	87.6*	0.0948	NA	ND	5.62	7.56	NA	NA	NA
REL-B04@9.5'	12/31/24	10	2.14*	95.0*	0.0981	NA	ND	5.14	8.15	ND	ND	ND
REL-N03@4'	12/31/24	4	2.98*	60.5	ND	NA	ND	5.71	8.28	ND	ND	ND
REL-E03@4'	12/31/24	4	3.91*	62.3	ND	NA	ND	5.64	9.69	ND	ND	ND
BACKGROUND SOIL SAMPLING												
BG01@3"	10/08/24	0.25	4.11	209	0.149	ND	10.1	8.24	9.42	ND	ND	38.7
BG02@3"	10/08/24	0.25	3.42	502	0.0993	ND	ND	6.46	9.13	ND	ND	ND
BG03@3"	10/08/24	0.25	5.58	130	0.150	ND	8.94	8.19	9.12	0.269	ND	ND
BG04@3"	10/08/24	0.25	2.54	88.7	ND	ND	ND	5.01	6.48	ND	ND	ND

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

mg/kg = Milligrams per kilogram

- = Site specific background limit is not present or does not exceed relevant ECMC Table 915-1 standard

TABLE 4
MULGA 29C SMALL EYED 14C HZ O SA PRODUCTION FACILITY
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			6.98	627.5	-	-	-	-	-	0.336	-	-

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

ND = Non-detect, concentration below minimum detection limit and/or laboratory reporting limit

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

NA = Constituent not analyzed

Pending = Analytical results pending final laboratory reporting

TABLE 5
MULGA 29C SMALL EYED 14C HZ O SA PRODUCTION FACILITY
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			-	-	-	-
WP01@3"	10/08/24	0.25	7.02	37.3	15.8	6.45
REL-B01@6'	11/06/24	6	NA	2.47	0.638	0.248
REL-N01@3'	11/06/24	3	NA	11.7	2.10	1.19
REL-E01@3'	11/06/24	3	NA	31.3	2.69	2.51
REL-S01@3'	11/06/24	3	NA	8.43	4.23	0.677
REL-W01@3'	11/06/24	3	NA	0.323	0.208	ND
REL-B02@8'	12/02/24	8	NA	19.9	0.799	0.571
REL-N02@4'	12/02/24	4	NA	6.55	1.56	0.504
REL-S02@4'	12/02/24	4	NA	0.446	0.159	ND
REL-E02@4'	12/02/24	4	NA	41.1	0.972	1.97
REL-B03@9'	12/09/24	9	NA	Pending	Pending	Pending
REL-B04@9.5'	12/31/24	10	NA	Pending	Pending	Pending
REL-N03@4'	12/31/24	4	NA	Pending	Pending	Pending
REL-E03@4'	12/31/24	4	NA	Pending	Pending	Pending
BACKGROUND SOIL SAMPLING						
BG01@3"	10/08/24	0.25	8.03	0.312	0.268	0.361
BG02@3"	10/08/24	0.25	7.76	0.111	0.332	ND
BG03@3"	10/08/24	0.25	8.06	0.0813	0.265	0.194
BG04@3"	10/08/24	0.25	7.76	0.128	0.410	0.178

Notes:

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

ECMC = Colorado Energy and Carbon Management Commission

ft. bgs = Feet below ground surface

mmhos/cm = Millmhos per centimeter

mg/L = Milligrams per liter

SAR = Sodium Adsorption Ratio

EC = Electrical Conductivity

- = Site specific background limit is not present or does not exceed relevant ECMC Table 915-1 standard

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

NA = Constituent not analyzed

ND = Non-detect, concentration below minimum detection limit and/or laboratory reporting limit

Pending = Analytical results pending final laboratory reporting