

TABLE 1
LUDWIG H 06-31D WELLHEAD
SOIL SAMPLE FIELD DATA SUMMARY TABLE
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Depth (ft. bgs)	PID Reading (ppm)	Visual Observation	Latitude	Longitude	Horizontal GPS Accuracy (ft.)	Submitted for Lab Analysis?
WH-B01@6'	11/24/2025	6	1.2	No Staining	40.2609347	-104.7149234	0.86	Yes
WH-N01@3'	11/24/2025	3	0.5	No Staining	40.2609529	-104.7149175	0.74	No
WH-S01@3'	11/24/2025	3	0.5	No Staining	40.2609261	-104.7149212	1.33	No
WH-E01@3'	11/24/2025	3	0.5	No Staining	40.2609372	-104.7148978	0.95	No
WH-W01@3'	11/24/2025	3	0.3	No Staining	40.2609428	-104.7149540	1.08	No
WHS-N01@3"	11/24/2025	0.25	1.2	No Staining	40.2610097	-104.7149324	0.59	No
WHS-S01@3"	11/24/2025	0.25	1.0	No Staining	40.2608864	-104.7149305	0.49	No
WHS-E01@3"	11/24/2025	0.25	1.0	No Staining	40.2609238	-104.7148352	0.62	No
WHS-W01@3"	11/24/2025	0.25	0.9	No Staining	40.2608939	-104.7150074	0.62	No
LUDWIG H 06-31D WELLHEAD BACKGROUND SOIL SAMPLES								
WH-BG01@3"	11/24/2025	0.25	0.8	No Staining	40.2610582	-104.7144428	0.88	Yes
WH-BG01@3'	11/24/2025	3	0.9	No Staining	40.2610582	-104.7144428	0.88	Yes
WH-BG01@6'	11/24/2025	6	0.9	No Staining	40.2610582	-104.7144428	0.88	Yes
WH-BG02@3"	11/24/2025	0.25	0.8	No Staining	40.2612331	-104.7145691	0.66	Yes
WH-BG02@3'	11/24/2025	3	0.7	No Staining	40.2612331	-104.7145691	0.66	Yes
WH-BG02@6'	11/24/2025	6	0.8	No Staining	40.2612331	-104.7145691	0.66	Yes
WH-BG03@3"	11/24/2025	0.25	0.9	No Staining	40.2613351	-104.7148183	0.60	Yes
WH-BG03@3'	11/24/2025	3	0.8	No Staining	40.2613351	-104.7148183	0.60	Yes
WH-BG03@6'	11/24/2025	6	0.8	No Staining	40.2613351	-104.7148183	0.60	Yes

Notes:

ft. bgs = Feet below ground surface

PID = Photoionization detector

ppm = Parts per million

GPS = Global positioning system

TABLE 2
LUDWIG H 06-31D WELLHEAD
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
WH-B01@6'	11/24/2025	<0.002	<0.002	<0.002	<0.002	<0.206	<26.5	<106	<0.002	<0.002

Notes:

VOCs = Volatile organic compounds

(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

(<) = Concentration below minimum detection limit and/or laboratory reporting limit

TABLE 3
LUDWIG H 06-31D WELLHEAD
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
WH-B01@6'	11/24/2025	<0.021	<0.021	<0.005	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.002	<0.002	<0.002	<0.021

Notes:

PAHs = Polycyclic aromatic hydrocarbons

(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 = Dibenz(a,h)anthracene

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

1-M = 1-Methylnaphthalene

2-M = 2-Methylnaphthalene

(<) = Concentration below minimum detection limit and/or laboratory reporting limit

TABLE 4
LUDWIG H 06-31D WELLHEAD
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 (x 1.25)			6.16	249	-	-	-	19.6	-	-	-	-
WH-B01@6'	11/24/2025	6	1.48*	216*	<0.274	<0.17	<33.1	<10.1	<18.7	<0.177	<0.576	<266
LUDWIG H 06-31D WELLHEAD BACKGROUND SOIL SAMPLES												
WH-BG01@3"	11/24/2025	0.25	1.06	<58.1	<0.269	<0.16	<32.6	<9.91	<18.4	<0.174	<0.566	<262
WH-BG01@3'	11/24/2025	3	3.46	139	<0.273	<0.17	<33.0	10.7	<18.7	<0.177	<0.575	<266
WH-BG01@6'	11/24/2025	6	3.08	133	<0.296	<0.17	<35.8	<10.9	<20.3	<0.192	<0.623	<288
WH-BG02@3"	11/24/2025	0.25	0.998	<56.9	<0.264	<0.16	<31.9	<9.72	<18.1	<0.171	<0.556	<257
WH-BG02@3'	11/24/2025	3	2.00	84.7	<0.285	<0.17	<34.5	<10.5	<19.5	<0.185	<0.601	<278
WH-BG02@6'	11/24/2025	6	4.93	199	<0.326	<0.19	<39.5	15.7	<22.3	<0.211	<0.687	<318
WH-BG03@3"	11/24/2025	0.25	1.14	<57.9	<0.268	<0.16	<32.5	<9.89	<18.4	<0.174	<0.565	<261
WH-BG03@3'	11/24/2025	3	0.803	58.0	<0.262	<0.16	<31.7	<9.66	<17.9	<0.170	<0.552	<255
WH-BG03@6'	11/24/2025	6	1.49	67.3	<0.263	<0.16	<31.8	<9.69	<18.0	<0.170	<0.554	<256

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

ft. bgs = Feet below ground surface

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

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 site-specific background concentrations x 1.25

(<) = Concentration below minimum detection limit and/or laboratory reporting limit

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

TABLE 5
LUDWIG H 06-31D WELLHEAD
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 ⁽¹⁾			6 - 8.3	<6	<4	2
Site-Specific Background Limits			8.33	-	-	-
WH-B01@6'	11/24/2025	6	8.51**	2.53	0.308	<0.105
LUDWIG H 06-31D WELLHEAD BACKGROUND SOIL SAMPLES						
WH-BG01@3"	11/24/2025	0.25	6.77	0.0577	0.305	<0.104
WH-BG01@3'	11/24/2025	3	7.71	0.239	0.0866	<0.110
WH-BG01@6'	11/24/2025	6	8.33	0.475	0.180	<0.112
WH-BG02@3"	11/24/2025	0.25	7.29	0.0268	0.222	<0.104
WH-BG02@3'	11/24/2025	3	7.93	0.988	0.128	<0.107
WH-BG02@6'	11/24/2025	6	8.31	1.23	0.333	<0.120
WH-BG03@3"	11/24/2025	0.25	7.24	0.0362	0.192	<0.104
WH-BG03@3'	11/24/2025	3	7.25	0.535	0.0665	<0.100
WH-BG03@6'	11/24/2025	6	7.15	0.376	0.125	<0.102

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 = Millimhos 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

(<) = Concentration below minimum detection limit and/or laboratory reporting limit

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

** Constituent concentration considered de minimis and not an indication of a release associated with E&P activities.

TABLE 6
LUDWIG H 06-31D WELLHEAD
SOIL VAPOR SCREENING RESULTS SUMMARY TABLE
KERR-McGEE OIL AND GAS ONSHORE LP

Screening Location	Date	Time	Depth (ft)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	H ₂ S (ppm)	CO (ppm)
Ambient Air	12/1/2025	11:10	NA	0.0	0.2	20.8	0	0
SVP01	12/1/2025	11:15	2.5	0.0	1.0	17.5	0	2
SVP02	12/1/2025	11:20	2.5	0.0	1.8	15.5	0	3
SVP03	12/1/2025	11:25	2.5	0.0	0.4	19.6	0	2
SVP04	12/1/2025	11:30	2.5	0.0	0.3	20.5	0	5
SVP05	12/1/2025	11:35	2.5	0.0	1.4	17.9	0	3

Notes:

ft = Feet

CH₄ = Methane

CO₂ = Carbon dioxide

O₂ = Oxygen

H₂S = Hydrogen sulfide

CO = Carbon monoxide

% = Percent volume

ppm = Parts per million

NA = Not applicable