

**TABLE 1**  
**CHENG 3-8A WELLHEAD/FLOWLINE**  
**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)
WH-B01@6'	2/28/2024	6	0.0	No Staining	No Odor	40.15637494	-104.9179468	1.3	Yes
FL-B01@4'	2/28/2024	4	3.4	No Staining	No Odor	40.15637543	-104.9179483	1.3	Yes
WH-N01@5'	2/28/2024	5	0.0	No Staining	No Odor	40.15637847	-104.9179516	1.1	No
WH-S01@5'	2/28/2024	5	0.0	No Staining	No Odor	40.15637051	-104.9179527	1.1	No
WH-E01@5'	2/28/2024	5	0.0	No Staining	No Odor	40.15637748	-104.9179493	1.1	No
WH-W01@5'	2/28/2024	5	0.0	No Staining	No Odor	40.15637167	-104.9179629	1.1	No
WHS-N01@3"	2/28/2024	0.25	0.0	No Staining	No Odor	40.15643527	-104.9179641	1.0	No
WHS-S01@3"	2/28/2024	0.25	0.0	No Staining	No Odor	40.15631674	-104.9179370	0.9	No
WHS-E01@3"	2/28/2024	0.25	0.0	No Staining	No Odor	40.15639646	-104.9178675	1.0	No
WHS-W01@3"	2/28/2024	0.25	0.0	No Staining	No Odor	40.15636785	-104.9180467	1.1	No
FL-B02@4'	3/12/2024	4	0.2	No Staining	No Odor	40.15649181	-104.9177066	1.0	No
FL-B03@4'	3/12/2024	4	0.0	No Staining	No Odor	40.15664215	-104.9173352	0.9	No
FL-B04@4'	3/12/2024	4	0.0	No Staining	No Odor	40.15710300	-104.9164356	1.0	No
FL-B05@4'	3/12/2024	4	0.0	No Staining	No Odor	40.15727864	-104.9160680	1.2	No
FL-B06@4'	3/12/2024	4	0.0	No Staining	No Odor	40.15755188	-104.9155308	1.2	No
FL-B07@4'	3/12/2024	4	0.0	No Staining	No Odor	40.15770640	-104.9151940	1.5	No
FL-B08@4'	3/12/2024	4	0.0	No Staining	No Odor	40.15779642	-104.9148830	1.2	Yes
WH-B01R@6'	4/9/2024	6	0.8	No Staining	No Odor	40.15637494	-104.9179468	1.3	Yes
FL-B01R@4'	4/9/2024	4	0.8	No Staining	No Odor	40.15637543	-104.9179483	1.3	Yes
BACKGROUND SOIL SAMPLING - CHENG 3-8A									
BG-01@3'	2/28/2024	3	0.0	No Staining	No Odor	40.15642047	-104.9178405	0.9	Yes
BG-01@6'	2/28/2024	6	0.0	No Staining	No Odor	40.15642047	-104.9178405	0.9	Yes
BG-02@3'	2/28/2024	3	0.0	No Staining	No Odor	40.15641784	-104.9179775	1.0	Yes
BG-02@6'	2/28/2024	6	0.0	No Staining	No Odor	40.15641784	-104.9179775	1.0	Yes

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**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)
BG-03@3'	2/28/2024	3	0.0	No Staining	No Odor	40.15634988	-104.9181456	0.9	Yes
BG-03@6'	2/28/2024	6	0.0	No Staining	No Odor	40.15634988	-104.9181456	0.9	Yes
BG-04@3'	2/28/2024	3	0.0	No Staining	No Odor	40.15635121	-104.9181345	0.9	Yes
BG-04@6'	2/28/2024	6	0.0	No Staining	No Odor	40.15635121	-104.9181345	0.9	Yes
BG-05@3'	2/28/2024	3	0.0	No Staining	No Odor	40.15620233	-104.9179324	0.9	Yes
BG-05@6'	2/28/2024	6	0.0	No Staining	No Odor	40.15620233	-104.9179324	0.9	Yes
BG-06@3'	2/28/2024	3	0.0	No Staining	No Odor	40.15620556	-104.9179284	0.9	Yes
BG-06@6'	2/28/2024	6	0.0	No Staining	No Odor	40.15620556	-104.9179284	0.9	Yes
VOGL 5-8A BACKGROUND SOIL SAMPLING									
BG01@3'	06/21/23	3	0.0	No Staining	No Odor	40.15442457	-104.9211651	1.0	Yes
BG01@6'	06/21/23	6	0.0	No Staining	No Odor	40.15442457	-104.9211651	1.0	Yes
BG02@3'	06/21/23	3	0.0	No Staining	No Odor	40.15416357	-104.9210256	1.0	Yes
BG02@6'	06/21/23	6	0.0	No Staining	No Odor	40.15416357	-104.9210256	1.0	Yes
BG-03@8'	4/9/2024	8	0.9	No Staining	No Odor	40.15446616	-104.9211293	1.1	Yes
BG-04@8'	4/9/2024	8	0.5	No Staining	No Odor	40.15421393	-104.9209576	NA	Yes
BG-05@8'	4/9/2024	8	1.0	No Staining	No Odor	40.15419088	-104.9211901	NA	Yes

**Notes:**

ft. bgs = Feet below ground surface

PID = Photoionization detector

ppm = Parts per million

GPS = Global positioning system

PDOP = Position dilution of precision

NA = Not applicable; GPS data not available

**TABLE 2**  
**CHENG 3-8A WELLHEAD/FLOWLINE**  
**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) <sup>(1)</sup>		0.0026	0.69	0.78	9.9	0.0038	500			0.0081	0.0087
ECMC standards for soil (mg/kg) <sup>(2)</sup>		1.2	490	5.8	58	2	500			30	27
WH-B01@6'	2/28/2024	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<0.200	<25.0	<100	<0.00200	0.00210
FL-B01@4'	2/28/2024	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<0.200	<25.0	<100	<0.00200	<0.00200
FL-B08@4'	3/12/2024	<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 COGCC Table 915-1 soil standards

Pending = Analytical results pending final laboratory reporting

NA = Constituent not analyzed

**TABLE 3**  
**CHENG 3-8A WELLHEAD/FLOWLINE**  
**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) <sup>(1)</sup>		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) <sup>(2)</sup>		360	1,800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	2	180
WH-B01@6'	2/28/2024	<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
FL-B01@4'	2/28/2024	<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
FL-B08@4'	3/12/2024	<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

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(<) = 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

Pending = Analytical results pending final laboratory reporting

NA = Constituent not analyzed

**TABLE 4**  
**CHENG 3-8A WELLHEAD/FLOWLINE**  
**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) <sup>(1)</sup>			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
ECMC standards for soil (mg/kg) <sup>(2)</sup>			0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
Site-Specific Background Limits			4.2875	185	0.575	NA	17	11.8875	17.75	0.18875	0.7675	60.625
WH-B01@6'	2/28/2024	6	1.56*	70.0	0.126	<0.244	16.9	41.9	9.59	<0.236	<0.0906	36.7
FL-B01@4'	2/28/2024	4	1.34*	56.6	0.371	<0.252	15.0	28.2	7.89	<0.240	<0.0922	<34.1
FL-B08@4'	3/12/2024	4	1.79*	44.7	<0.100	<0.244	<10.0	5.30	6.75	<0.260	<0.100	<37.0
WH-B01R@6'	4/9/2024	6	NA	NA	NA	NA	NA	28.5	NA	NA	NA	NA
FL-B01R@4'	4/9/2024	4	NA	NA	NA	NA	NA	17.6	NA	NA	NA	NA
BACKGROUND SOIL SAMPLING												
BG-01@3'	2/28/2024	3	1.42	54.6	0.109	<0.245	<9.55	6.02	7.73	<0.248	<0.0955	<35.3
BG-01@6'	2/28/2024	6	1.51	64.6	<0.0964	<0.244	<9.64	5.54	9.48	<0.251	<0.0964	<35.7
BG-02@3'	2/28/2024	3	2.42	93.3	0.0957	<0.245	9.57	8.49	12.5	<0.244	<0.0938	45.4
BG-02@6'	2/28/2024	6	1.75	70.9	<0.0882	<0.247	<8.82	5.63	9.62	<0.229	<0.0882	<32.6
BG-03@3'	2/28/2024	3	1.41	85.2	0.104	<0.244	<9.10	6.48	10.1	<0.237	<0.0910	<33.7
BG-03@6'	2/28/2024	6	1.38	71.4	0.0978	<0.244	<8.66	6.26	9.83	<0.225	<0.0866	33.1
BG-04@3'	2/28/2024	3	1.55	64.8	0.0918	<0.244	<9.18	5.80	9.57	<0.239	<0.0918	<34.0
BG-04@6'	2/28/2024	6	2.20	80.4	0.0894	<0.244	<8.85	6.58	10.3	<0.230	<0.0885	34.9
BG-05@3'	2/28/2024	3	1.52	73.6	0.0999	<0.252	<9.60	6.25	9.68	<0.250	0.614	<35.5
BG-05@6'	2/28/2024	6	1.41	56.1	<0.0951	<0.247	<9.51	5.59	8.40	<0.247	<0.0951	<35.2
BG-06@3'	2/28/2024	3	1.18	44.6	<0.0916	<0.244	<9.16	3.87	6.30	<0.238	<0.0916	<33.9
BG-06@6'	2/28/2024	6	1.68	60.5	<0.0965	<0.248	<9.65	5.49	8.93	<0.251	<0.0965	<35.7
VOGL 5-8A BACKGROUND SOIL SAMPLING												
BG01@3'	6/21/2023	3	2.51	80.8	0.107	<0.248	<8.77	<8.77	<8.77	0.151	<0.0877	<87.7
BG01@6'	6/21/2023	6	2.67	148	0.460	<0.244	10.2	8.85	11.1	0.117	<0.0874	<87.4

**TABLE 4**  
**CHENG 3-8A WELLHEAD/FLOWLINE**  
**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) <sup>(1)</sup>			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
ECMC standards for soil (mg/kg) <sup>(2)</sup>			0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
Site-Specific Background Limits			4.2875	185	0.575	NA	17	11.8875	17.75	0.18875	0.7675	60.625
BG02@3'	6/21/2023	3	2.40	64.3	<0.0875	<0.244	<8.75	<8.75	<8.75	<0.0875	<0.0875	<87.5
BG02@6'	6/21/2023	6	3.32	108	0.153	<0.244	11.8	<9.81	12.8	<0.0981	<0.0981	<98.1
BG-03@8'	4/9/2024	8	3.20	122	0.146	<0.173	13.6	9.51	14.2	<0.258	0.106	48.5
BG-04@8'	4/9/2024	8	2.47	82.2	<0.0860	<0.157	9.06	6.26	13.5	<0.224	<0.0860	39.9
BG-05@8'	4/9/2024	8	3.43	84.6	0.129	<0.147	9.65	7.60	10.9	<0.248	<0.0952	<35.2

**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 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**  
**CHENG 3-8A WELLHEAD/FLOWLINE**  
**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) <sup>(1)</sup>			6 - 8.3	< 6	< 4	2
Site-Specific Background Limits			6.98 - 8.68	14.7	5.34	0.760
WH-B01@6'	2/28/2024	6	11.4	0.670	0.858	0.224
FL-B01@4'	2/28/2024	4	8.17	0.543	0.419	0.131
FL-B08@4'	3/12/2024	4	7.27	0.160	0.0676	<0.100
WH-B01R@6'	4/9/2024	6	8.17	NA	NA	NA
BACKGROUND SOIL SAMPLING						
BG-01@3'	2/28/2024	3	7.27	1.12	0.202	<0.0986
BG-01@6'	2/28/2024	6	8.21	0.215	0.426	0.131
BG-02@3'	2/28/2024	3	7.30	1.17	0.278	<0.0998
BG-02@6'	2/28/2024	6	7.32	1.24	0.249	<0.102
BG-03@3'	2/28/2024	3	7.02	0.574	0.294	0.113
BG-03@6'	2/28/2024	6	6.98	0.538	0.234	0.164
BG-04@3'	2/28/2024	3	8.24	1.63	0.856	<0.0986
BG-04@6'	2/28/2024	6	8.27	1.72	0.576	<0.101
BG-05@3'	2/28/2024	3	8.32	0.704	0.287	<0.102
BG-05@6'	2/28/2024	6	8.24	1.20	0.442	<0.0998
BG-06@3'	2/28/2024	3	8.13	1.14	0.331	<0.0994
BG-06@6'	2/28/2024	6	8.35	2.11	0.336	0.158
VOGL 5-8A BACKGROUND SOIL SAMPLING						
BG01@3'	6/21/2023	3	7.98	3.21	5.34	0.203
BG01@6'	6/21/2023	6	8.22	9.95	4.62	0.760
BG02@3'	6/21/2023	3	8.27	14.7	4.49	0.511
BG02@6'	6/21/2023	6	8.68	8.56	2.25	0.397
BG-03@8'	4/9/2024	8	8.46	9.45	1.44	0.454
BG-04@8'	4/9/2024	8	8.39	5.89	1.14	0.184
BG-05@8'	4/9/2024	8	8.04	3.63	2.13	0.318

**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 = Millimhos 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

\* Result exceeded the ECMC Table 915-1 standard, but was within site-specific background levels

NA = Constituent not analyzed; no background standard

**TABLE 6**  
**CHENG 3-8A WELLHEAD**  
**SOIL VAPOR SCREENING RESULTS SUMMARY TABLE**  
**KERR-McGEE OIL AND GAS ONSHORE LP**

Screening Location	Date	Time	Depth (ft)	CH <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	H <sub>2</sub> S (ppm)	CO (ppm)
Ambient 01	3/7/2024	11:00	0	0.0	0.0	20.1	0	0
SVP01	3/7/2024	11:02	10	0.0	0.0	21.5	0	0
	3/7/2024	11:04	10	0.0	0.0	21.5	0	0
	3/7/2024	11:06	10	0.0	0.0	21.6	0	0
SVP02	3/7/2024	11:08	10	0.0	0.0	20.9	0	0
	3/7/2024	11:10	10	0.0	0.0	20.8	0	0
	3/7/2024	11:12	10	0.0	0.1	20.9	0	0
SVP03	3/7/2024	11:14	5	0.0	0.1	20.3	0	0
	3/7/2024	11:16	5	0.0	0.1	20.3	0	0
	3/7/2024	11:18	5	0.0	0.0	20.3	0	0
SVP04	3/7/2024	11:20	5	0.0	0.0	22.1	0	0
	3/7/2024	11:22	5	0.0	0.1	22.2	0	0
	3/7/2024	11:24	5	0.0	0.1	22.1	0	0
SVP05	3/7/2024	11:26	5	0.0	0.0	20.7	0	0
	3/7/2024	11:28	5	0.0	0.1	20.8	0	0
	3/7/2024	11:30	5	0.0	0.0	20.8	0	0

Notes:

CH<sub>4</sub> = Methane

CO<sub>2</sub> = Carbon dioxide

O<sub>2</sub> = Oxygen

H<sub>2</sub>S = Hydrogen sulfide

CO = Carbon monoxide

% = Percent volume

ppm = Parts per million