

TABLE 1
HERMAN UPRR 31-31 1 WELLHEAD
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	Latitude	Longitude	Horizontal GPS Accuracy ⁽¹⁾ (ft.)	Submitted for Lab Analysis? (Y/N)
WC01@3"	1/8/2025	0.25	37.4	Staining present	40.18670213	-104.8162877	0.9	Yes
HERMAN UPRR 31-31 1 WELLHEAD BACKGROUND SOIL SAMPLING								
BG01@3"	1/8/2025	0.25	0.3	No Staining	40.18656949	-104.8165496	0.53	Yes
BG02@3"	1/8/2025	0.25	0.2	No Staining	40.18642916	-104.8164573	0.61	Yes
BG03@3"	1/8/2025	0.25	0.4	No Staining	40.18652039	-104.8160683	0.69	Yes
BG04@3"	1/8/2025	0.25	0.4	No Staining	40.18662962	-104.8161383	0.64	Yes

Notes:

ft. bgs = Feet below ground surface

PID = Photoionization detector

ppm = Parts per million

GPS = Global positioning system

TABLE 2
HERMAN UPRR 31-31 1 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
WC01@3"	1/8/2025	ND	ND	ND	ND	1.53	ND	ND	0.0525	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

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

TABLE 3
HERMAN UPRR 31-31 1 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)			6.26	333	0.584	-	-	50.0	-	1.43	-	-
WC01@3"	1/8/2025	0.25	5.32*	101*	0.380	Pending	12.4	12.1	12.4	0.299*	0.0982	60.5
HERMAN UPRR 31-31 1 WELLHEAD BACKGROUND SOIL SAMPLING												
BG01@3"	1/8/2025	0.25	4.15	266	0.235	Pending	18.7	40.0	10.5	0.265	ND	50.3
BG02@3"	1/8/2025	0.25	4.57	114	0.300	Pending	13.4	17.8	10.5	0.407	ND	61.3
BG03@3"	1/8/2025	0.25	5.01	81.4	0.467	Pending	18.1	17.0	12.3	0.733	0.178	77.4
BG04@3"	1/8/2025	0.25	2.32	57.2	0.295	Pending	ND	10.4	6.11	1.14	0.107	41.0

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

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

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

Pending = Analytical results pending final laboratory reporting