

**TABLE 1**  
**UPRR 42 PAN AM AT TRUE 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	Olfactory Observation	Latitude	Longitude	GPS PDOP Value	Submitted for Lab Analysis? (Y/N)
SS01@3"	09/01/22	0.25	3,357	HC Staining	Strong HC Odor	40.09006747	-104.7762371	NA	Yes
WH-B01@2'	09/22/22	2	0.0	No Staining	No Odor	40.09013774	-104.7761184	NA	Yes
WH-N01@4'	09/30/22	4	1.5	No Staining	No Odor	NA	NA	NA	Yes
WH-E01@4'	09/30/22	4	1.6	No Staining	No Odor	NA	NA	NA	Yes
WH-S01@4'	09/30/22	4	1.3	No Staining	No Odor	NA	NA	NA	Yes
WH-W01@4'	09/30/22	4	2.0	No Staining	No Odor	NA	NA	NA	Yes
WH-B02@5'	09/30/22	5	1.5	Organic Content	Organic Odor	NA	NA	NA	Yes
WH-B03@6'	10/20/22	6	0.3	No Staining	No Odor	40.09010540	-104.7762393	1.1	Yes
WH-S02@5'	10/20/22	5	97.2	No Staining	No Odor	40.09009674	-104.7762448	1.5	Yes
WH-E02@5'	10/20/22	5	0.9	No Staining	No Odor	40.09010576	-104.7762331	1.1	Yes
FL-B01@4'	10/20/22	4	0.9	No Staining	No Odor	40.09009733	-104.7762353	1.1	No
WHS-N01@3"	10/20/22	3	0.1	No Staining	No Odor	40.09015433	-104.7762511	1.2	No
WHS-S01@3"	10/20/22	3	0.6	No Staining	No Odor	40.09005320	-104.7762184	1.0	No
WHS-E01@3"	10/20/22	3	0.5	No Staining	No Odor	40.09010432	-104.7761573	0.9	No
WHS-W01@3"	10/20/22	3	0.1	No Staining	No Odor	40.09010155	-104.7763072	1.0	No
FL-B02@4'	10/25/22	4	0.0	No Staining	No Odor	40.08998989	-104.7754766	1.1	Yes
FL-B03@4'	10/25/22	4	0.1	No Staining	No Odor	40.09006187	-104.7754951	0.9	Yes
WH-S03@5'	12/06/22	5	0.1	No Staining	No Odor	NA	NA	NA	Yes
BACKGROUND SOIL SAMPLING									
BG-01@3"	09/01/22	0.25	3.7	No Staining	No Odor	40.09051018	-104.7761189	1.4	Yes
BG-02@3"	09/01/22	0.25	8.8	No Staining	No Odor	40.08988008	-104.7759967	1.4	Yes
BG-03@3"	09/01/22	0.25	0.6	No Staining	No Odor	40.09013409	-104.7756699	1.5	Yes
BG-04@3"	09/01/22	0.25	0.9	No Staining	No Odor	40.09002547	-104.776426	1.5	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

NA = GPS data not available

**TABLE 2**  
**UPRR 42 PAN AM AT TRUE 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)	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)
COGCC standards for soil (mg/kg) <sup>(1)</sup>		<b>0.0026</b>	<b>0.69</b>	<b>0.78</b>	<b>9.9</b>	<b>0.0038</b>	<b>500</b>			<b>0.0081</b>	<b>0.0087</b>
COGCC standards for soil (mg/kg) <sup>(2)</sup>		<b>1.2</b>	<b>490</b>	<b>5.8</b>	<b>58</b>	<b>2</b>	<b>500</b>			<b>30</b>	<b>27</b>
SS01@3"	09/01/22	<b>0.552</b>	<b>12.4</b>	<b>3.85</b>	<b>40.0</b>	<b>0.407</b>	<b>937</b>	<b>1,300</b>	<b>552</b>	<b>18.3</b>	<b>7.12</b>
WH-B01@2'	09/22/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00335	<0.200	33.2	<100	<0.00200	<0.00200
WH-N01@4'	09/30/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	<25.0	<100	<0.00200	<0.00200
WH-E01@4'	09/30/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	<25.0	<100	<0.00200	<0.00200
WH-S01@4'	09/30/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00335	<0.200	55.4	<100	<0.00200	<0.00200
WH-W01@4'	09/30/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	<25.0	<100	<0.00200	<0.00200
WH-B02@5'	09/30/22	<0.00200	<0.00200	<0.00200	<0.00200	<i>&lt;0.0067</i>	<0.200	<25.0	<100	<0.00200	<0.00200
WH-B03@6'	10/20/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
WH-S02@5'	10/20/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<b>7.72</b>	<b>1,190</b>	<b>674</b>	<0.00200	<0.00200
WH-E02@5'	10/20/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	33.6	<100	<0.00200	<0.00200
FL-B02@4'	10/25/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
FL-B03@4'	10/25/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
WH-S03@5'	12/06/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201	<0.200	<25.0	<100	<0.00200	<0.00200

Notes:  
(1) Standards for soil are taken from COGCC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021  
(2) Standards for soil are taken from COGCC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021  
COGCC = Colorado Oil and Gas Conservation 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  
*Italics* = Laboratory reporting limit exceeds the COGCC Table 915-1 standard

**TABLE 3**  
**UPRR 42 PAN AM AT TRUE 1 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)
COGCC 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
COGCC 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
SS01@3"	09/01/22	0.0694	0.00666	0.0109	0.00841	<0.00335	0.00419	0.062	<0.00335	0.00421	0.232	<0.00335	<b>0.907</b>	<b>1.3</b>	<b>0.407</b>	0.0271
WH-B01@2'	09/22/22	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	0.00699	<0.00335	<0.00335	0.00243	<0.00335	0.00547	0.00568	<0.00335	0.00493
WH-N01@4'	09/30/22	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
WH-E01@4'	09/30/22	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
WH-S01@4'	09/30/22	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335
WH-W01@4'	09/30/22	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
WH-B02@5'	09/30/22	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<b>0.00951</b>	0.00924	<0.0067	0.0067
WH-B03@6'	10/20/22	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00201	<0.00201	<0.00380	<0.00067
WH-S02@5'	10/20/22	0.0122	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	0.0429	<0.0067	<0.0067	<0.0067	<0.0067	<0.0201	<0.0201	<0.00380	0.00721
WH-E02@5'	10/20/22	0.000757	<0.00067	0.000709	<0.00067	<0.00067	<0.00067	0.00128	<0.00067	<0.00067	0.00144	<0.00067	0.0031	0.00381	<0.00380	0.00153
WH-S03@5'	12/06/22	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00201	<0.00201	<0.00201	<0.00067

**Notes:**

(1) Standards for soil are taken from COGCC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021

(2) Standards for soil are taken from COGCC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021

COGCC = Colorado Oil and Gas Conservation 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 = Dibenzo(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 COGCC Table 915-1 soil standards

*Italics* = Laboratory reporting limit exceeds the COGCC Table 915-1 standard

**TABLE 4**  
**UPRR 42 PAN AM AT TRUE 1 WELLHEAD**  
**SOIL SAMPLE RESULTS SUMMARY TABLE - METALS**  
**KERR-McGEE OIL AND GAS ONSHORE LP**

Soil Sample Location	Date	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)
COGCC standards for soil (mg/kg) <sup>(1)</sup>		0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
COGCC standards for soil (mg/kg) <sup>(2)</sup>		0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
SS01@3"	09/01/22	3.51	271	0.587	<0.488	16.2	59.5	<9.77	0.272	<0.0977	172
WH-B01@2'	09/22/22	4.34	124	0.845	NA	NA	126	NA	0.242	NA	NA
WH-N01@4'	09/30/22	1.42*	61.6	<0.0932	NA	NA	<9.32	NA	<0.0932	NA	NA
WH-E01@4'	09/30/22	3.26	60.9	<0.0925	NA	NA	<9.25	NA	<0.0925	NA	NA
WH-S01@4'	09/30/22	3.28	72.4	<0.0943	NA	NA	<9.43	NA	<0.0943	NA	NA
WH-W01@4'	09/30/22	2.23*	69.3	<0.0937	NA	NA	<9.37	NA	<0.0937	NA	NA
WH-B02@5'	09/30/22	3.63	108*	0.160	NA	NA	72.0	NA	0.282	NA	NA
WH-B03@6'	10/20/22	2.50*	54.8	<0.0906	NA	NA	11.2	NA	0.112	NA	NA
WH-S02@5'	10/20/22	2.14*	54.0	<0.0916	NA	NA	<9.16	NA	<0.0916	NA	NA
WH-E02@5'	10/20/22	2.64*	55.8	0.0915	NA	NA	13.0	NA	0.109	NA	NA
WH-S03@5'	12/06/22	2.60*	58.0	<0.0889	NA	NA	<8.89	NA	<0.0889	NA	NA
BACKGROUND SOIL SAMPLING											
BG-01@3"	09/01/22	2.44	63.4	0.188	<2.5	<8.55	9.36	<8.55	0.128	<0.0855	<85.5
BG-02@3"	09/01/22	1.85	56.6	0.137	<0.507	<8.88	<8.88	<8.88	0.107	<0.0888	<88.8
BG-03@3"	09/01/22	1.76	57.1	0.204	<1.25	<9.01	<9.01	<9.01	0.119	<0.0901	<90.1
BG-04@3"	09/01/22	2.35	90.6	0.177	<0.507	<9.21	10.2	<9.21	0.215	<0.0921	<92.1

Notes:  
(1) Standards for soil are taken from COGCC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021  
(2) Standards for soil are taken from COGCC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021  
COGCC = Colorado Oil and Gas Conservation 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 COGCC Table 915-1 soil standards  
\* Result exceeded the COGCC Table 915-1 standard, but was within range of site-specific background concentrations x 1.25  
*Italics* = Laboratory minimum detection limit exceeds the COGCC Table 915-1 standard  
NA = Constituent not analyzed

**TABLE 5**  
**UPRR 42 PAN AM AT TRUE 1 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)
COGCC standards for soil (mg/kg) <sup>(1)</sup>			6 - 8.3	< 6	< 4	2
SS01@3"	09/01/22	0.25	8.27	2.17	1.16	0.442
FL-B02@4'	10/25/22	4	8.30	0.921	0.243	0.147
FL-B03@4'	10/25/22	4	8.26	1.50	0.469	0.108
BACKGROUND SOIL SAMPLING						
BG-01@3"	09/01/22	0.25	7.34	0.471	1.85	1.22
BG-02@3"	09/01/22	0.25	8.10	0.0607	0.348	0.159
BG-03@3"	09/01/22	0.25	7.57	0.0525	0.804	0.401
BG-04@3"	09/01/22	0.25	7.83	0.297	1.01	1.10

Notes:

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

COGCC = Colorado Oil and Gas Conservation 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