

TABLE 1
SOIL SAMPLE FIELD DATA SUMMARY TABLE
BOYLE ST 8-16 WELLHEAD
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample Location	Date	Depth (ft. bgs)	PID Reading (ppm)	Visual Observation	Olfactory Observation	Latitude	Longitude	Submitted for Lab Analysis? (Y/N)
WELLHEAD EXCAVATION SAMPLES								
N Wall	7/10/2024	3	2.8	NS	NO	40.139959	-104.775112	N
E Wall	7/10/2024	3	3.2	NS	NO	40.139954	-104.775104	N
S Wall	7/10/2024	3	0.9	NS	NO	40.139944	-104.775110	N
W Wall	7/10/2024	3	1.2	NS	NO	40.139950	-104.775120	N
WH01-RISER@3'	7/10/2024	3	3.2	NS	NO	40.139953	-104.775112	Y
WH01-RISER@3'-V	7/10/2024	3	3.2	NS	NO	40.139953	-104.775112	Y
B01@6'	7/10/2024	6	3.4	NS	NO	40.139949	-104.775117	Y
B01@6'-V	7/10/2024	6	3.4	NS	NO	40.139949	-104.775117	Y
FS01	7/10/2024	0.5	0.2	NS	NO	40.139976	-104.775109	N
FS02	7/10/2024	0.5	0.0	NS	NO	40.139965	-104.775059	N
FS03	7/10/2024	0.5	0.0	NS	NO	40.139918	-104.775105	N
FS04	7/10/2024	0.5	0.0	NS	NO	40.139943	-104.775146	N
B01@9'	9/12/2024	9	1.3	NS	NO	40.139902	-104.77529	Y
N01@5'	9/12/2024	5	3.1	NS	NO	40.140055	-104.774938	Y
E01@5'	9/12/2024	5	1.7	NS	NO	40.139956	-104.774914	Y
S01@5'	9/12/2024	5	2.2	NS	NO	40.139815	-104.775002	Y
W01@5'	9/12/2024	5	1.8	NS	NO	40.139785	-104.775108	Y
BACKGROUND SOIL SAMPLES								
PH01	7/15/2024	4	1.2	NS	NO	40.140083	-104.775255	N
PH02	7/15/2024	4	1.0	NS	NO	40.140224	-104.775412	N
PH03	7/15/2024	3	2.2	NS	NO	40.140384	-104.775589	N
PH04	7/15/2024	4	2.3	NS	NO	40.140546	-104.775755	N
PH05	7/15/2024	3	1.5	NS	NO	40.140751	-104.77595	N
PH06	7/15/2024	3	1.3	NS	NO	40.140928	-104.7761	N
PH07	7/15/2024	3	1.3	NS	NO	40.141083	-104.776258	N
PH08	7/15/2024	4	0.1	NS	NO	40.141302	-104.776485	N
PH09	7/15/2024	4	0.5	NS	NO	40.141418	-104.776603	N
PH10	7/15/2024	4	0.4	NS	NO	40.141551	-104.776738	N
FL01@4'	7/15/2024	4	0.6	NS	NO	40.141731	-104.776938	Y
SEPARATOR RISER SAMPLES								
SEP01-RISER@4'	7/8/2024	4	0.4	NS	NO	40.14203600	-104.777731	Y
BACKGROUND SOIL SAMPLES								
NATIVE-BG01@3'	7/10/2024	3	2.5	NS	NO	40.140143	-104.775123	Y
NATIVE-BG01@6'	7/10/2024	6	1.9	NS	NO	40.140143	-104.775123	Y

**TABLE 1
SOIL SAMPLE FIELD DATA SUMMARY TABLE
BOYLE ST 8-16 WELLHEAD
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP**

Soil Sample Location	Date	Depth (ft. bgs)	PID Reading (ppm)	Visual Observation	Olfactory Observation	Latitude	Longitude	Submitted for Lab Analysis? (Y/N)
NATIVE-BG02@3'	7/10/2024	3	0.1	NS	NO	40.140055	-104.774938	Y
NATIVE-BG02@6'	7/10/2024	6	3.1	NS	NO	40.140055	-104.774938	Y
NATIVE-BG03@3'	7/10/2024	3	1.0	NS	NO	40.139956	-104.774914	Y
NATIVE-BG03@6'	7/10/2024	6	1.7	NS	NO	40.139956	-104.774914	Y
NATIVE-BG04@3'	7/10/2024	3	0.5	NS	NO	40.139815	-104.775002	Y
NATIVE-BG04@6'	7/10/2024	6	0.7	NS	NO	40.139815	-104.775002	Y
NATIVE-BG05@3'	7/10/2024	3	0.3	NS	NO	40.139785	-104.775108	Y
NATIVE-BG05@6'	7/10/2024	6	0.5	NS	NO	40.139785	-104.775108	Y
NATIVE-BG06@3'	7/10/2024	3	0.1	NS	NO	40.139902	-104.77529	Y
NATIVE-BG06@6'	7/10/2024	6	0.0	NS	NO	40.139902	-104.77529	Y

Notes:

ft. - feet

bgs - below ground surface

PID - Photoionization detector

ppm - parts per million

NS - No Staining

NO - No Odor

NA - Not Analyzed/Not Applicable

TABLE 2-1
SOIL SAMPLE ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS AND TOTAL PETROLEUM HYDROCARBONS
BOYLE ST 8-16 WELLHEAD
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	TPH-GRO* (mg/kg)	TPH-DRO* (mg/kg)	TPH-RRO* (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	1,2,4-Trimethyl benzene (mg/kg)	1,3,5-Trimethyl benzene (mg/kg)	Naphthalene (mg/kg)
ECMC Table 915-1 Cleanup Concentrations (PGSSLs)			500			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038
WELLHEAD EXCAVATION SAMPLES												
WH01-RISER@3'	7/10/2024	3	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
WH01-RISER@3'-V	7/10/2024	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.002
B01@6'	7/10/2024	6	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	0.006
B01@6'-V	7/10/2024	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.007
SEPARATOR RISER SAMPLES												
SEP01-RISER@4'	7/8/2024	4	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
FLOWLINE SAMPLES												
FL01@4'	7/15/2024	4	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002

Notes:

ECMC - Energy and Carbon Management Commission
 PGSSLs - Protection of Groundwater Soil Screening Level Concentrations
 TPH - total petroleum hydrocarbons
 GRO - gasoline range organics
 DRO - diesel range organics
 RRO - residual range organics
 *Allowable level for TPH is 500 mg/kg for combined GRO, DRO, ORO

ft - feet
 bgs - below ground surface
 mg/kg - milligrams per kilogram
 < - less than laboratory reporting limit
 NA - Not Analyzed/Not Applicable
Bold - exceeds ECMC Table 915-1 allowable level and background

TABLE 2-2
 SOIL SAMPLE ANALYTICAL RESULTS
 POLYCYCLIC AROMATIC HYDROCARBONS
 BOYLE ST 8-16 WELLHEAD
 WELD COUNTY, COLORADO
 KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo (a) anthracene (mg/kg)	Benzo (b) fluoranthene (mg/kg)	Benzo (k) fluoranthene (mg/kg)	Benzo (a) pyrene (mg/kg)	Chrysene (mg/kg)	Dibenz (a,h) anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno (1,2,3-cd) pyrene (mg/kg)	1-Methyl naphthalene (mg/kg)	2-Methyl naphthalene (mg/kg)	Pyrene (mg/kg)
ECMC Table 915-1 Cleanup Concentrations (PGSSLs)			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	1.3
WELLHEAD EXCAVATION SAMPLES																
WH01-RISER@3'	7/10/2024	3	<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	<0.020
WH01-RISER@3'-V	7/10/2024	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B01@6'	7/10/2024	6	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.015	0.013	<0.020
B01@6'-V	7/10/2024	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.015	NA	NA
SEPARATOR RISER SAMPLES																
SEP01-RISER@4'	7/8/2024	4	<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	<0.020
FLOWLINE SAMPLES																
FL01@4'	7/15/2024	4	<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	<0.020

Notes:
 ECMC - Energy and Carbon Management Commission
 PGSSLs - Protection of Groundwater Soil Screening Level Concentrations
 ft - feet
 bgs - below ground surface
 mg/kg - milligrams per kilogram
 < - less than laboratory reporting limit
 NA - Not Analyzed/Not Applicable
Bold - exceeds ECMC Table 915-1 allowable level and background

**TABLE 2-3
SOIL SAMPLE ANALYTICAL RESULTS
SOIL SUITABILITY FOR RECLAMATION
BOYLE ST 8-16 WELLHEAD
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP**

Soil Sample ID	Date	Depth (ft. bgs)	EC (mmhos/cm)	SAR	pH	Boron (mg/L)
ECMC Table 915-1 Cleanup Concentrations			4	6	6-8.3	2
Site-Specific Background Limits			8.28	20.9	8.58	2.14
WELLHEAD EXCAVATION SAMPLES						
WH01-RISER@3'	7/10/2024	3	0.262	0.248	8.32*	0.254
WH01-RISER@3'-V	7/10/2024	3	NA	NA	8.34*	NA
B01@6'	7/10/2024	6	1.56	31.7	9.63	0.492
B01@6'-V	7/10/2024	6	NA	NA	9.92	NA
SEPARATOR RISER SAMPLES						
SEP01-RISER@4'	7/8/2024	4	0.153	0.0329	8.26	<0.100
FLOWLINE SAMPLES						
FL01@4'	7/15/2024	4	0.776	2.76	8.46*	0.444
BACKGROUND SAMPLES						
Native-BG01@3'	7/10/2024	3	0.824	1.03	8.18	0.167
Native-BG01@6'	7/10/2024	6	1.22	2.10	8.17	0.181
Native-BG02@3'	7/10/2024	3	0.309	2.92	8.47	0.238
Native-BG02@6'	7/10/2024	6	1.39	4.02	8.30	0.352
Native-BG03@3'	7/10/2024	3	0.427	4.16	8.48	0.286
Native-BG03@6'	7/10/2024	6	4.63	14.6	8.27	1.06
Native-BG04@3'	7/10/2024	3	4.10	4.34	8.10	0.530
Native-BG04@6'	7/10/2024	6	8.03	16.9	8.19	2.14
Native-BG05@3'	7/10/2024	3	0.563	7.06	8.57	0.302
Native-BG05@6'	7/10/2024	6	3.54	20.9	8.58	1.46
Native-BG06@3'	7/10/2024	3	1.51	9.40	8.48	0.35
Native-BG06@6'	7/10/2024	6	8.28	13.1	8.19	1.71

Notes:

ECMC - Energy and Carbon Management Commission

EC - electrical conductivity

SAR - sodium adsorption ratio

< - less than laboratory reporting limit

NA - Not Analyzed/Not Applicable

Bold - exceeds ECMC Table 915-1 allowable level and background

*Exceeds Table 915-1 allowable level but within background

If site-specific backgrounds are less than cleanup concentrations, then cleanup concentration values will be applied.

ft - feet

bgs - below ground surface

mmhos/cm - millimhos per centimeter

mg/L - milligrams per liter

**TABLE 2-4
SOIL SAMPLE ANALYTICAL RESULTS
METALS
BOYLE ST 8-16 WELLHEAD
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP**

Soil Sample ID	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 Table 915-1 Cleanup Concentrations (PGSSLs)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
Site-Specific Background Limits			91.1	807	0.474	0.298	21.8	21	27.8	0.763	NA	99.3
WELLHEAD EXCAVATION SAMPLES												
WH01-RISER@3'	7/10/2024	3	2.76*	81.6	0.198	0.169*	<9.14	11.6	7.18	<0.238	<0.0914	36.8
WH01-RISER@3'-V	7/10/2024	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B01@6'	7/10/2024	6	7.78*	193*	0.404*	0.259*	17.9	18.9*	17.0	0.869	0.121	87.9
B01@6'-V	7/10/2024	6	NA	NA	NA	NA	NA	NA	NA	0.550*	NA	NA
SEPARATOR RISER SAMPLES												
SEP01-RISER@4'	7/8/2024	4	2.55*	53.9	0.195	0.188*	<9.42	6.76	5.64	<0.245	<0.0942	<34.9
FLOWLINE SAMPLES												
FL01@4'	7/15/2024	4	2.67*	78.1	0.139	<0.377	<8.79	7.48	7.93	<0.228	<0.0879	36.7
BACKGROUND SAMPLES												
Native-BG01@3'	7/10/2024	3	1.59	49.5	<0.0974	0.213	<9.74	4.13	4.30	<0.253	<0.0974	<36.0
Native-BG01@6'	7/10/2024	6	4.39	67.4	0.110	0.144	<9.78	6.24	6.81	<0.254	<0.0978	<36.2
Native-BG02@3'	7/10/2024	3	4.64	71.8	0.137	0.120	<9.25	7.36	8.04	<0.240	<0.0925	<34.2
Native-BG02@6'	7/10/2024	6	3.16	807	0.102	0.186	<9.03	6.99	8.19	<0.235	<0.0903	<33.4
Native-BG03@3'	7/10/2024	3	3.65	82.5	<0.0960	0.158	<9.60	7.10	6.41	<0.250	<0.0960	<35.5
Native-BG03@6'	7/10/2024	6	1.68	175	0.168	<0.433	21.8	19.9	9.71	<0.235	<0.0904	45.2
Native-BG04@3'	7/10/2024	3	2.06	53.8	0.172	<0.325	9.51	13.2	6.22	<0.241	<0.0927	36.6
Native-BG04@6'	7/10/2024	6	2.30	72.7	0.210	0.124	16.1	21.0	9.97	<0.246	<0.0946	76.6
Native-BG05@3'	7/10/2024	3	91.1	78.8	0.474	0.186	21.3	17.8	27.8	0.763	<0.0970	99.3
Native-BG05@6'	7/10/2024	6	7.02	378	0.197	0.298	13.0	13.6	12.1	0.282	<0.865	51.9
Native-BG06@3'	7/10/2024	3	2.83	79.1	0.123	0.256	<8.70	6.94	9.40	<0.226	<0.0870	32.7
Native-BG06@6'	7/10/2024	6	3.71	69.9	0.156	0.177	9.34	8.22	10.2	<0.238	<0.0916	39.9

Notes:

ECMC - Energy and Carbon Management Commission

PGSSLs - Protection of Groundwater Soil Screening Level Concentrations

ft - feet

bgs - below ground surface

mg/kg - milligrams per kilogram

< - less than laboratory reporting limit

NA - Not Analyzed/Not Applicable

Bold - exceeds ECMC Table 915-1 allowable level and background

*Exceeds Table 915-1 allowable level but within background

If site-specific backgrounds are less than cleanup concentrations, then cleanup concentration values will be applied.

**TABLE 3
GROUNDWATER ANALYTICAL RESULTS
BOYLE ST 8-16 WELLHEAD
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP**

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-trimethylbenzene (µg/L)	1,3,5-trimethylbenzene (µg/L)	Total Dissolved Solids (ug/L)	Chloride Ion (ug/L)	Sulfate Ion (ug/L)	Depth to Water/ (Product Thickness) (ft bgs)
ECMC Allowable Levels		5	560	700	1400	140	67	67	NA	250,000	250,000	
GW-FL01@4'	7/15/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	NA	NA	NA	4.0

Notes: ECMC - Energy and Carbon Management Commission
 ft bgs - feet below ground surface
 NA - not analyzed/not available
BOLD = Analytical result is in exceedance of ECMC Table 915-1 groundwater standards.

µg/L - micrograms per liter
 < - less than laboratory reporting limit
 Excavation groundwater depth is approximate