

TABLE 1
SOIL SAMPLE FIELD DATA SUMMARY TABLE
OPEN 10-25 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								
WH-B01@6'	5/23/2024	6	3.5	NS	NO	40.10751065	-104.6099128	Y
WH-N01@5'	5/23/2024	5	2.6	NS	NO	40.10753215	-104.6099128	N
WH-S01@5'	5/23/2024	5	4.0	NS	NO	40.10748395	-104.6099141	N
WH-E01@5'	5/23/2024	5	3.7	NS	NO	40.10751677	-104.6098752	N
WH-W01@5'	5/23/2024	5	2.8	NS	NO	40.10750545	-104.6099382	N
WHS-N01@3"	5/23/2024	0.25	0.8	NS	NO	40.10755388	-104.6099129	N
WHS-S01@3"	5/23/2024	0.25	0.7	NS	NO	40.10746706	-104.6099097	N
WHS-E01@3"	5/23/2024	0.25	1.8	NS	NO	40.10750776	-104.6098496	N
WHS-W01@3"	5/23/2024	0.25	2.1	NS	NO	40.10751171	-104.6099611	N
FLOWLINE POTHOLE SAMPLES								
FL-B01@4'	5/23/2024	4	2.0	NS	NO	40.10752185	-104.6099396	Y
FL-B02@4'	5/28/2024	4	1.2	NS	NO	40.10722427	-104.6105862	N
FL-B03@4'	5/28/2024	4	2.1	NS	NO	40.10703673	-104.6110439	Y
BACKGROUND SOIL SAMPLES								
BG-01@3'	5/23/2024	3	2.2	NS	NO	40.107443	-104.6100045	Y
BG-01@6'	5/23/2024	6	1.8	NS	NO	40.107443	-104.6100045	Y
BG-02@3'	5/23/2024	3	1.8	NS	NO	40.10739646	-104.6099072	Y
BG-02@6'	5/23/2024	6	1.7	NS	NO	40.10739646	-104.6099072	Y
BG-03@3'	5/23/2024	3	1.9	NS	NO	40.10751985	-104.6097893	Y
BG-03@6'	5/23/2024	6	2.1	NS	NO	40.10751985	-104.6097893	Y
BG01@3' (Rem No. 35194)	5/28/2024	3	0.2	NS	NO	40.10706546	-104.6109052	Y
BG01@6' (Rem No. 35194)	5/28/2024	6	0.1	NS	NO	40.10706546	-104.6109052	Y
BG02@3' (Rem No. 35194)	5/28/2024	3	0.3	NS	NO	40.1071523	-104.6111375	Y
BG02@6' (Rem No. 35194)	5/28/2024	6	0.2	NS	NO	40.1071523	-104.6111375	Y
BG03@3' (Rem No. 35194)	5/28/2024	3	0.2	NS	NO	40.10715119	-104.6113643	Y
BG03@6' (Rem No. 35194)	5/28/2024	6	0.1	NS	NO	40.10715119	-104.6113643	Y
BG04@3' (Rem No. 35194)	5/28/2024	3	0.4	NS	NO	40.10712224	-104.6116134	Y
BG04@6' (Rem No. 35194)	5/28/2024	6	0.2	NS	NO	40.10712224	-104.6116134	Y
BG05@3" (Rem No. 35194)	5/28/2024	0.25	0.1	NS	NO	40.10713206	-104.6108099	Y
BG06@3" (Rem No. 35194)	5/28/2024	0.25	0.1	NS	NO	40.10716319	-104.6116642	Y

Notes:

ft. - feet
 bgs - below ground surface
 PID - Photoionization detector
 NS - No Staining
 NO - No Odor
 NA - Not Analyzed/Not Applicable
 ppm - parts per million

TABLE 2-1
SOIL SAMPLE ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS AND TOTAL PETROLEUM HYDROCARBONS
OPEN 10-25 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												
WH-B01@6'	5/23/2024	6	0.468	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
FLOWLINE POTHOLE SAMPLES												
FL-B01@4'	5/23/2024	4	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
FL-B03@4'	5/28/2024	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
 OPEN 10-25 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																
WH-B01@6'	5/23/2024	6	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
FLOWLINE POTHOLE SAMPLES																
FL-B01@4'	5/23/2024	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
FL-B03@4'	5/28/2024	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
OPEN 10-25 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 (0.25')			1.40	1.36	8.45	1.80
Site-Specific Background Limits (3'-6')			7.04	10.8	8.47	1.02
WELLHEAD EXCAVATION SAMPLES						
WH-B01@6'	5/23/2024	6	0.765	4.05	8.12	0.240
FLOWLINE POTHOLE SAMPLES						
FL-B01@4'	5/23/2024	4	0.356	2.94	8.18	<0.0994
FL-B03@4'	5/28/2024	4	0.205	0.186	8.33*	0.159
BACKGROUND SAMPLES						
BG-01@3'	5/23/2024	3	7.04	10.8	8.03	0.503
BG-01@6'	5/23/2024	6	1.44	9.64	8.21	0.259
BG-02@3'	5/23/2024	3	1.61	7.64	8.12	0.175
BG-02@6'	5/23/2024	6	3.57	8.14	8.17	0.44
BG-03@3'	5/23/2024	3	4.65	9.94	8.22	0.848
BG-03@6'	5/23/2024	6	5.06	8.81	8.06	0.616
BG01@3' (Rem No. 35194)	5/28/2024	3	3.06	2.72	8.13	1.02
BG01@6' (Rem No. 35194)	5/28/2024	6	3.75	5.51	8.12	0.577
BG02@3' (Rem No. 35194)	5/28/2024	3	1.14	2.78	8.23	0.249
BG02@6' (Rem No. 35194)	5/28/2024	6	0.288	1.89	8.18	<0.0983
BG03@3' (Rem No. 35194)	5/28/2024	3	0.369	1.42	8.47	0.250
BG03@6' (Rem No. 35194)	5/28/2024	6	1.45	1.23	8.37	0.166
BG04@3' (Rem No. 35194)	5/28/2024	3	2.61	4.47	8.24	0.778
BG04@6' (Rem No. 35194)	5/28/2024	6	1.40	4.78	8.37	0.434
BG05@3" (Rem No. 35194)	5/28/2024	0.25	1.40	1.36	8.38	0.547
BG06@3" (Rem No. 35194)	5/28/2024	0.25	1.13	0.652	8.45	1.80

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
OPEN 10-25 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 (0.25')			3.12	154	0.207	0.153	11.0	9.67	10.5	NA	NA	47.1
Site-Specific Background Limits (3'-6')			3.69	133	0.212	0.384	15.4	12.8	14.2	NA	NA	68.7
WELLHEAD EXCAVATION SAMPLES												
WH-B01@6'	5/23/2024	6	1.44*	45.9	<0.0954	<0.286	<9.54	32.8	3.09	<0.248	<0.0954	<35.3
FLOWLINE POTHOLE SAMPLES												
FL-B01@4'	5/23/2024	4	1.22*	31.9	<0.0928	<0.270	<9.28	3.05	2.03	<0.241	<0.0928	<34.3
FL-B03@4'	5/28/2024	4	2.33*	93.9*	0.147	0.165*	9.05	7.91	7.93	<0.230	<0.0883	37.9
BACKGROUND SAMPLES												
BG-01@3'	5/23/2024	3	2.65	110	<0.0898	<0.362	<8.98	8.17	7.73	<0.234	<0.0898	<33.2
BG-01@6'	5/23/2024	6	1.32	30.5	<0.0985	<0.240	<9.85	3.12	2.26	<0.256	<0.0985	<36.5
BG-02@3'	5/23/2024	3	1.25	31.1	<0.0871	<0.342	<8.71	2.91	2.22	<0.277	<0.0871	<32.2
BG-02@6'	5/23/2024	6	1.92	49.3	<0.0900	<0.329	<9.00	4.50	5.12	<0.234	<0.0900	<33.3
BG-03@3'	5/23/2024	3	2.19	77.5	<0.0925	<0.325	<9.25	5.73	5.55	<0.240	<0.0925	<34.2
BG-03@6'	5/23/2024	6	2.31	68.6	<0.0923	<0.276	<9.23	6.02	5.52	<0.240	<0.0923	<34.1
BG01@3' (Rem No. 35194)	5/28/2024	3	2.83	133.0	0.156	0.354	13.7	11.1	13.6	<0.245	<0.0942	68.700
BG01@6' (Rem No. 35194)	5/28/2024	6	3.10	95.1	0.109	0.384	<8.55	6.32	6.34	<0.222	<0.0855	<31.7
BG02@3' (Rem No. 35194)	5/28/2024	3	1.50	50.4	<0.0929	0.201	<9.29	5.61	5.72	<0.241	<0.0929	<34.4
BG02@6' (Rem No. 35194)	5/28/2024	6	1.10	23.5	<0.0965	0.188	<9.65	3.02	2.39	<0.251	<0.0965	<35.7
BG03@3' (Rem No. 35194)	5/28/2024	3	2.53	104	0.154	0.249	<9.38	8.86	8.36	<0.244	<0.0938	38.4
BG03@6' (Rem No. 35194)	5/28/2024	6	3.69	78.1	<0.0899	0.221	<8.99	6.37	5.36	<0.234	<0.0899	<33.3
BG04@3' (Rem No. 35194)	5/28/2024	3	3.47	115	0.212	0.156	15.4	12.8	14.2	<0.230	<0.0887	61.9
BG04@6' (Rem No. 35194)	5/28/2024	6	2.67	66.8	<0.0922	<0.353	10.2	8.40	9.43	<0.240	<0.0922	40.7
BG05@3" (Rem No. 35194)	5/28/2024	0.25	3.12	154	0.164	0.153	11.0	9.62	10.5	<0.251	<0.0967	47.1
BG06@3" (Rem No. 35194)	5/28/2024	0.25	2.07	78.4	0.207	0.152	<9.74	9.67	7.58	<0.253	<0.0974	42.2

Notes:

ECMC - Energy and Carbon Management Commission

PGSSLs - Protection of Groundwater Soil Screening Level Concentrations

ft - feet

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mg/kg - milligrams per kilogram

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NA - Not Analyzed/Not Applicable

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

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