

TABLE 1
SOIL SAMPLE FIELD DATA SUMMARY TABLE
BAKER RED 1-14A 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)
FLOWLINE POTHOLE SAMPLES								
FL01(1-14)@3'	8/29/2024	3	0.2	NS	NO	40.161385	-104.841576	Y
FL01(1-14)@3'-V	8/29/2024	3	0.2	NS	NO	40.161385	-104.841576	Y
PH02@3'	8/29/2024	3	0.4	NS	NO	40.161562	-104.841782	N
FL02(1-14)@3'	8/29/2024	3	0.3	NS	NO	40.161767	-104.842043	Y
FL02(1-14)@3'-V	8/29/2024	3	0.3	NS	NO	40.161767	-104.842043	Y
PH04@3'	8/29/2024	3	0.4	NS	NO	40.162083	-104.842206	N
FL03(1-14)@3'	8/29/2024	3	0.3	NS	NO	40.162566	-104.842304	Y
FL03(1-14)@3'-V	8/29/2024	3	0.3	NS	NO	40.162566	-104.842304	Y
BACKGROUND SAMPLES								
NATIVE-BG01@2' (Rem No. 35930)	8/15/2024	2	0.0	NS	NO	40.164766	-104.841417	Y
NATIVE-BG01@4' (Rem No. 35930)	8/15/2024	4	0.0	NS	NO	40.164766	-104.841417	Y
NATIVE-BG02@2' (Rem No. 35930)	8/15/2024	2	0.0	NS	NO	40.164764	-104.841308	Y
NATIVE-BG02@4' (Rem No. 35930)	8/15/2024	4	0.0	NS	NO	40.164764	-104.841308	Y
NATIVE-BG03@2' (Rem No. 35930)	8/15/2024	2	0.0	NS	NO	40.164673	-104.841262	Y
NATIVE-BG03@4' (Rem No. 35930)	8/15/2024	4	0.0	NS	NO	40.164673	-104.841262	Y
NATIVE-BG04@2' (Rem No. 35930)	8/15/2024	2	0.0	NS	NO	40.164613	-104.841323	Y
NATIVE-BG04@4' (Rem No. 35930)	8/15/2024	4	0.0	NS	NO	40.164613	-104.841323	Y
NATIVE-BG01@2' (Rem No. 35934)	8/15/2024	2	0.0	NS	NO	40.165693	-104.845943	Y
NATIVE-BG01@4' (Rem No. 35934)	8/15/2024	4	0.0	NS	NO	40.165693	-104.845943	Y
NATIVE-BG02@2' (Rem No. 35934)	8/15/2024	2	0.0	NS	NO	40.165655	-104.845807	Y
NATIVE-BG02@4' (Rem No. 35934)	8/15/2024	4	0.0	NS	NO	40.165655	-104.845807	Y
NATIVE-BG03@2' (Rem No. 35934)	8/15/2024	2	0.0	NS	NO	40.165519	-104.845820	Y
NATIVE-BG03@4' (Rem No. 35934)	8/15/2024	4	0.0	NS	NO	40.165519	-104.845820	Y
NATIVE-BG04@2' (Rem No. 35934)	8/15/2024	2	0.0	NS	NO	40.165586	-104.845986	Y
NATIVE-BG04@4' (Rem No. 35934)	8/15/2024	4	0.0	NS	NO	40.165586	-104.845986	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
BAKER RED 1-14A 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
FLOWLINE POTHOLE SAMPLES												
FL01(1-14)@3'	8/29/2024	3	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
FL01(1-14)@3'-V	8/29/2024	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FL02(1-14)@3'	8/29/2024	3	<0.200	27.5	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
FL02(1-14)@3'-V	8/29/2024	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FL03(1-14)@3'	8/29/2024	3	0.214	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
FL03(1-14)@3'-V	8/29/2024	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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
BAKER RED 1-14A 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
FLOWLINE POTHOLE SAMPLES																
FL01(1-14)@3'	8/29/2024	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
FL01(1-14)@3'-V	8/29/2024	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FL02(1-14)@3'	8/29/2024	3	<0.020	<0.020	0.015	<0.020	<0.020	<0.020	<0.020	<0.020	0.036	<0.020	<0.020	0.002	0.003	0.032
FL02(1-14)@3'-V	8/29/2024	3	NA	NA	0.009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FL03(1-14)@3'	8/29/2024	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
FL03(1-14)@3'-V	8/29/2024	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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
BAKER RED 1-14A 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			2.57	6.65	8.60	1.17
FLOWLINE POTHOLE SAMPLES						
FL01(1-14)@3'	8/29/2024	3	1.16	2.65	8.51*	1.38
FL01(1-14)@3'-V	8/29/2024	3	NA	NA	8.23	NA
FL02(1-14)@3'	8/29/2024	3	1.60	7.46	8.30	0.603
FL02(1-14)@3'-V	8/29/2024	3	NA	NA	8.46*	NA
FL03(1-14)@3'	8/29/2024	3	0.119	1.59	7.98	<0.101
FL03(1-14)@3'-V	8/29/2024	3	NA	NA	8.11	NA
BACKGROUND SAMPLES						
NATIVE-BG01@2' (Rem No. 35930)	8/15/2024	2	0.580	1.72	8.31	0.208
NATIVE-BG01@4' (Rem No. 35930)	8/15/2024	4	0.345	1.64	8.40	<0.0998
NATIVE-BG02@2' (Rem No. 35930)	8/15/2024	2	0.706	1.57	8.26	0.250
NATIVE-BG02@4' (Rem No. 35930)	8/15/2024	4	0.633	1.55	8.58	0.191
NATIVE-BG03@2' (Rem No. 35930)	8/15/2024	2	2.57	5.76	8.50	1.17
NATIVE-BG03@4' (Rem No. 35930)	8/15/2024	4	0.0938	1.23	8.15	<0.0986
NATIVE-BG04@2' (Rem No. 35930)	8/15/2024	2	2.39	6.65	8.41	0.868
NATIVE-BG04@4' (Rem No. 35930)	8/15/2024	4	0.185	1.40	8.16	<0.0999
NATIVE-BG01@2' (Rem No. 35934)	8/15/2024	2	0.914	3.33	8.60	0.676
NATIVE-BG01@4' (Rem No. 35934)	8/15/2024	4	0.271	1.75	8.19	<0.101
NATIVE-BG02@2' (Rem No. 35934)	8/15/2024	2	0.401	2.58	8.16	0.241
NATIVE-BG02@4' (Rem No. 35934)	8/15/2024	4	0.137	1.91	7.93	<0.101
NATIVE-BG03@2' (Rem No. 35934)	8/15/2024	2	0.142	2.12	7.80	<0.0996
NATIVE-BG03@4' (Rem No. 35934)	8/15/2024	4	0.416	2.63	8.03	<1.00
NATIVE-BG04@2' (Rem No. 35934)	8/15/2024	2	0.570	3.17	8.28	0.127
NATIVE-BG04@4' (Rem No. 35934)	8/15/2024	4	0.626	2.78	8.32	<0.998

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
BAKER RED 1-14A 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			14.5	193	0.359	NA	20.4	40.9	19.9	0.495	0.663	80
FLOWLINE POTHOLE SAMPLES												
FL01(1-14)@3'	8/29/2024	3	4.78*	180*	0.437	<0.392	27.7	29.0*	11.5	0.383*	0.313	99.9
FL01(1-14)@3'-V	8/29/2024	3	NA	NA	0.709	NA	NA	NA	NA	NA	NA	NA
FL02(1-14)@3'	8/29/2024	3	177	186*	23.1	<0.540	2180	1990	18.6	0.568	33.0	4560
FL02(1-14)@3'-V	8/29/2024	3	166	NA	19.1	NA	2210	1730	NA	0.398*	25.4	5920
FL03(1-14)@3'	8/29/2024	3	0.788*	11.2	<0.0871	<0.337	<8.71	3.12	1.12	<0.226	<0.0871	<32.2
FL03(1-14)@3'-V	8/29/2024	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BACKGROUND SAMPLES												
NATIVE-BG01@2' (Rem No. 35930)	8/15/2024	2	2.08	29.2	0.111	<0.217	<8.81	7.45	3.20	<0.229	0.663	<32.6
NATIVE-BG01@4' (Rem No. 35930)	8/15/2024	4	14.5	162	<1.09	<0.211	<109	40.9	19.9	<2.83	<1.09	<402
NATIVE-BG02@2' (Rem No. 35930)	8/15/2024	2	8.09	61.9	0.195	<0.287	8.89	15.1	6.64	0.263	<0.0846	34.7
NATIVE-BG02@4' (Rem No. 35930)	8/15/2024	4	2.78	52.8	0.180	<0.243	<9.34	8.76	5.75	0.266	<0.0934	<34.5
NATIVE-BG03@2' (Rem No. 35930)	8/15/2024	2	3.93	138	0.109	<0.357	13.5	11.7	10.4	0.299	<0.0858	60.2
NATIVE-BG03@4' (Rem No. 35930)	8/15/2024	4	0.579	<9.29	<0.0929	<0.258	<9.29	1.60	<0.929	<0.242	<0.0929	<34.4
NATIVE-BG04@2' (Rem No. 35930)	8/15/2024	2	4.81	193	0.127	<0.303	15.5	12.6	14.7	<0.235	<0.0903	68.4
NATIVE-BG04@4' (Rem No. 35930)	8/15/2024	4	0.717	16.3	<0.0877	<0.394	<8.77	2.16	1.49	<0.228	<0.0877	<32.4
NATIVE-BG01@2' (Rem No. 35934)	8/15/2024	2	4.59	144	0.359	<0.299	20.4	23.9	12.80	0.495	0.193	80.0
NATIVE-BG01@4' (Rem No. 35934)	8/15/2024	4	0.569	13.7	ND	<0.215	ND	2.97	1.18	ND	ND	ND
NATIVE-BG02@2' (Rem No. 35934)	8/15/2024	2	1.54	35.3	0.0996	<0.220	ND	5.76	4.00	ND	ND	ND
NATIVE-BG02@4' (Rem No. 35934)	8/15/2024	4	0.479	18.6	0.129	<0.312	ND	1.66	2.42	ND	ND	ND
NATIVE-BG03@2' (Rem No. 35934)	8/15/2024	2	0.857	15.7	ND	<0.213	ND	2.86	1.97	ND	ND	ND
NATIVE-BG03@4' (Rem No. 35934)	8/15/2024	4	0.957	27.6	ND	<0.402	ND	3.33	2.40	ND	ND	ND
NATIVE-BG04@2' (Rem No. 35934)	8/15/2024	2	1.15	43.7	ND	<0.330	ND	4.51	3.34	ND	ND	ND
NATIVE-BG04@4' (Rem No. 35934)	8/15/2024	4	3.63	189	ND	<0.339	15.6	12.7	12.3	ND	ND	68.6

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
BAKER RED 1-14A 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	
GW01	8/29/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	NA	NA	NA	3.0
GW02	8/29/2024	<1.00	<1.00	<1.00	<1.00	<2.00	3.57	2.38	NA	NA	NA	3.0
GW03	8/29/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	NA	NA	NA	3.0

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