

TABLE 1
SOIL SAMPLE FIELD DATA SUMMARY TABLE
BARCLAY 2-16K & BARCLAY FARMS L11-27D WELLHEADS
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)
BARCLAY 2-16K WELLHEAD EXCAVATION SAMPLES								
N Wall@3'	1/24/2025	3	0.3	NS	NO	40.249431	-104.73836	N
E Wall@3'	1/24/2025	3	1.3	NS	NO	40.249424	-104.738352	N
S Wall@3'	1/24/2025	3	0.2	NS	NO	40.249417	-104.738363	N
W Wall@3'	1/24/2025	3	0.2	NS	NO	40.249424	-104.738371	N
B01(2-16K)@6'	1/24/2025	6	0.1	NS	NO	40.249424	-104.738362	Y
B01(2-16K)@6'-V	1/24/2025	6	0.1	NS	NO	40.249424	-104.738362	Y
FS01@0.5'	1/24/2025	0.5	0.4	NS	NO	40.249446	-104.738366	N
FS02@0.5'	1/24/2025	0.5	0.2	NS	NO	40.249423	-104.738343	N
FS03@0.5'	1/24/2025	0.5	0.6	NS	NO	40.249394	-104.738392	N
FS04@0.5'	1/24/2025	0.5	0.2	NS	NO	40.249430	-104.738409	N
BARCLAY FARMS L11-27D WELLHEAD EXCAVATION SAMPLES								
N Wall (L11-27D)@3'	5/5/2025	3	0.6	NS	NO	40.249403	-104.738535	N
E Wall (L11-27D)@3'	5/5/2025	3	0.6	NS	NO	40.249377	-104.738507	N
S Wall (L11-27D)@3'	5/5/2025	3	1.0	NS	NO	40.249368	-104.738541	N
W Wall (L11-27D)@3'	5/5/2025	3	0.6	NS	NO	40.249381	-104.738572	N
B01(L11-27D)@6'	5/5/2025	6	0.2	NS	NO	40.249376	-104.738518	Y
B01(L11-27D)@6'-V	5/5/2025	6	0.2	NS	NO	40.249376	-104.738518	Y
WH-Riser (L11-27D)@5'	5/5/2025	5	1.6	NS	NO	40.249394	-104.73853	Y
WH-Riser (L11-27D)@5'-V	5/5/2025	5	1.6	NS	NO	40.249394	-104.73853	Y
FS01@0.5'	5/5/2025	0.5	0.3	NS	NO	40.249424	-104.738525	N
FS02@0.5'	5/5/2025	0.5	3.2	NS	NO	40.249368	-104.738468	N
FS03@0.5'	5/5/2025	0.5	1.5	NS	NO	40.249345	-104.738529	N
FS04@0.5'	5/5/2025	0.5	0.0	NS	NO	40.249377	-104.738614	N
FLOWLINE POTHOLE SAMPLES								
PH02 (L11-27D)@5'	5/16/2025	5	1.3	NS	NO	40.248085	-104.738367	N
PH02 (2-16K)@5'	5/16/2025	5	1.2	NS	NO	40.24808	-104.738333	N
FL01(2-16K, L11-27D)@4'	5/16/2025	4	0.2	NS	NO	40.247307	-104.738324	Y
FL01(2-16K, L11-27D)@4'-V	5/16/2025	4	0.2	NS	NO	40.247307	-104.738324	Y
BACKGROUND SOIL SAMPLES								
NATIVE-BG01@3'	1/24/2025	3	0.2	NS	NO	40.249389	-104.738200	Y
NATIVE-BG01@6'	1/24/2025	6	0.1	NS	NO	40.249389	-104.738200	Y
NATIVE-BG02@3'	1/24/2025	3	0.1	NS	NO	40.249452	-104.738214	Y
NATIVE-BG02@6'	1/24/2025	6	0.3	NS	NO	40.249452	-104.738214	Y
NATIVE-BG03@3'	1/24/2025	3	0.2	NS	NO	40.249501	-104.738267	Y
NATIVE-BG03@6'	1/24/2025	6	0.1	NS	NO	40.249501	-104.738267	Y
NATIVE-BG04@3'	1/24/2025	3	0.1	NS	NO	40.249556	-104.738393	Y

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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-BG04@6'	1/24/2025	6	0.3	NS	NO	40.249556	-104.738393	Y
NATIVE-BG05@3'	5/5/2025	3	1.9	NS	NO	40.249542	-104.738605	Y
NATIVE-BG05@6'	5/5/2025	6	1.4	NS	NO	40.249542	-104.738605	Y
NATIVE-BG06@3'	5/5/2025	3	1.2	NS	NO	40.249444	-104.738754	Y
NATIVE-BG06@6'	5/5/2025	6	2.6	NS	NO	40.249444	-104.738754	Y
NATIVE-BG07@3'	5/5/2025	3	0.8	NS	NO	40.249316	-104.738677	Y
NATIVE-BG07@6'	5/5/2025	6	1.8	NS	NO	40.249316	-104.738677	Y
NATIVE-BG08@3'	5/5/2025	3	1.2	NS	NO	40.249262	-104.738585	Y
NATIVE-BG08@6'	5/5/2025	6	1.7	NS	NO	40.249262	-104.738585	Y

Notes:

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

TABLE 2-1
SOIL SAMPLE ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS AND TOTAL PETROLEUM HYDROCARBONS
BARCLAY 2-16K & BARCLAY FARMS L11-27D WELLHEADS
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
BARCLAY 2-16K WELLHEAD EXCAVATION SAMPLES												
B01(2-16K)@6'	1/24/2025	6	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
B01(2-16K)@6'-V	1/24/2025	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARCLAY FARMS L11-27D WELLHEAD EXCAVATION SAMPLES												
B01(L11-27D)@6'	5/5/2025	6	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	0.002
B01(L11-27D)@6'-V	5/5/2025	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WH-Riser (L11-27D)@5'	5/5/2025	5	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	0.005
WH-Riser (L11-27D)@5'-V	5/5/2025	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLOWLINE POTHOLE SAMPLES												
FL01(2-16K, L11-27D)@4'	5/16/2025	4	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	0.003
FL01(2-16K, L11-27D)@4'-V	5/16/2025	4	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
BARCLAY 2-16K & BARCLAY FARMS L11-27D WELLHEADS
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
BARCLAY 2-16K WELLHEAD EXCAVATION SAMPLES																
B01(2-16K)@6'	1/24/2025	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
B01(2-16K)@6'-V	1/24/2025	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARCLAY FARMS L11-27D WELLHEAD EXCAVATION SAMPLES																
B01(L11-27D)@6'	5/5/2025	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
B01(L11-27D)@6'-V	5/5/2025	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WH-Riser (L11-27D)@5'	5/5/2025	5	<0.020	<0.020	0.014	<0.020	<0.020	<0.020	<0.020	<0.020	0.038	<0.020	<0.020	<0.002	0.002	0.027
WH-Riser (L11-27D)@5'-V	5/5/2025	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLOWLINE POTHOLE SAMPLES																
FL01(2-16K, L11-27D)@4'	5/16/2025	4	<0.020	<0.020	0.037	0.032	<0.020	0.030	0.039	<0.020	0.095	<0.020	0.024	<0.002	<0.002	0.079
FL01(2-16K, L11-27D)@4'-V	5/16/2025	4	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
BARCLAY 2-16K & BARCLAY FARMS L11-27D WELLHEADS
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			1.20	2.95	8.49	0.80
BARCLAY 2-16K WELLHEAD EXCAVATION SAMPLES						
B01(2-16K)@6'	1/24/2025	6	0.372	0.393	8.37*	0.126
B01(2-16K)@6'-V	1/24/2025	6	NA	NA	8.35*	NA
BARCLAY FARMS L11-27D WELLHEAD EXCAVATION SAMPLES						
B01(L11-27D)@6'	5/5/2025	6	0.535	1.15	8.24	0.188
B01(L11-27D)@6'-V	5/5/2025	6	NA	NA	8.19	NA
WH-Riser (L11-27D)@5'	5/5/2025	5	0.263	0.353	8.31*	0.107
WH-Riser (L11-27D)@5'-V	5/5/2025	5	NA	NA	8.33*	NA
FLOWLINE POTHOLE SAMPLES						
FL01(2-16K, L11-27D)@4'	5/16/2025	4	0.064	0.178	6.94	<0.100
FL01(2-16K, L11-27D)@4'-V	5/16/2025	4	NA	NA	6.91	NA
BACKGROUND SAMPLES						
NATIVE-BG01@3'	1/24/2025	3	0.473	0.369	8.34	0.166
NATIVE-BG01@6'	1/24/2025	6	0.454	1.16	8.17	0.358
NATIVE-BG02@3'	1/24/2025	3	0.343	0.355	8.23	0.215
NATIVE-BG02@6'	1/24/2025	6	1.20	2.95	8.29	0.795
NATIVE-BG03@3'	1/24/2025	3	0.349	0.339	8.16	0.223
NATIVE-BG03@6'	1/24/2025	6	1.09	2.53	8.26	0.557
NATIVE-BG04@3'	1/24/2025	3	0.318	0.535	8.39	0.248
NATIVE-BG04@6'	1/24/2025	6	0.362	0.612	8.39	0.189
NATIVE-BG05@3'	5/5/2025	3	0.269	0.455	8.49	0.122
NATIVE-BG05@6'	5/5/2025	6	0.312	1.25	8.47	0.362
NATIVE-BG06@3'	5/5/2025	3	0.226	0.133	8.31	0.118
NATIVE-BG06@6'	5/5/2025	6	0.40	0.407	8.26	0.103
NATIVE-BG07@3'	5/5/2025	3	0.188	0.209	8.38	0.148
NATIVE-BG07@6'	5/5/2025	6	0.21	0.282	8.42	0.115
NATIVE-BG08@3'	5/5/2025	3	0.164	0.265	8.32	0.103
NATIVE-BG08@6'	5/5/2025	6	0.216	0.197	8.35	0.106

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
BARCLAY 2-16K 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			10.4	561	0.266	NA	14.4	18.4	24.1	0.479	NA	46.1
BARCLAY 2-16K WELLHEAD EXCAVATION SAMPLES												
B01(2-16K)@6'	1/24/2025	6	4.73*	87.8*	0.128	<0.5	10.5	11.0	13.1	<0.255	<0.0981	47.0
B01(2-16K)@6'-V	1/24/2025	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARCLAY FARMS L11-27D WELLHEAD EXCAVATION SAMPLES												
B01(L11-27D)@6'	5/5/2025	6	3.95*	137*	<0.325	<0.30	<39.3	<12.0	<22.2	<0.222	<0.684	<316
B01(L11-27D)@6'-V	5/5/2025	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WH-Riser (L11-27D)@5'	5/5/2025	5	3.70*	150*	<0.336	<0.30	<40.7	<12.4	<23.0	<0.230	<0.708	<327
WH-Riser (L11-27D)@5'-V	5/5/2025	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLOWLINE POTHOLE SAMPLES												
FL01(2-16K, L11-27D)@4'	5/16/2025	4	1.92*	<75.0	<0.347	<0.5	<42.0	<12.8	<23.8	<0.238	<0.731	<338
FL01(2-16K, L11-27D)@4'-V	5/16/2025	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BACKGROUND SAMPLES												
NATIVE-BG01@3'	1/24/2025	3	3.14	85.9	0.200	<0.5	<9.62	6.94	8.63	<0.250	<0.0962	<35.6
NATIVE-BG01@6'	1/24/2025	6	3.65	125	0.205	<0.5	12.5	10.2	10.2	0.479	<0.0966	44.1
NATIVE-BG02@3'	1/24/2025	3	3.55	110	0.191	<0.5	<8.96	8.00	8.95	<0.233	<0.0896	<33.1
NATIVE-BG02@6'	1/24/2025	6	5.41	216	0.240	<0.5	14.4	18.4	10.1	<0.233	<0.0895	42.1
NATIVE-BG03@3'	1/24/2025	3	2.82	98.6	0.148	<0.5	<9.43	7.95	8.43	<0.245	<0.0943	<34.9
NATIVE-BG03@6'	1/24/2025	6	4.92	343	0.266	<0.5	14.0	18.3	11.3	0.329	<0.0943	43.5
NATIVE-BG04@3'	1/24/2025	3	6.15	561	0.207	<0.5	12.4	9.95	12.6	0.356	<0.0900	45.3
NATIVE-BG04@6'	1/24/2025	6	2.59	70.9	0.0973	<0.5	9.35	8.36	7.62	<0.241	<0.0927	46.1
NATIVE-BG05@3'	5/5/2025	3	2.73	104	<0.353	<0.29	<42.7	<13.0	<24.1	<0.241	<0.743	<343
NATIVE-BG05@6'	5/5/2025	6	2.84	99.2	<0.349	<0.30	<42.3	13.3	<23.9	<0.239	<0.736	<340
NATIVE-BG06@3'	5/5/2025	3	8.07	109	<0.368	<0.30	<44.5	<13.5	<25.2	<0.252	<0.774	<358
NATIVE-BG06@6'	5/5/2025	6	10.4	134	<0.350	<0.29	<42.4	14.7	24.1	<0.239	<0.737	<341
NATIVE-BG07@3'	5/5/2025	3	4.4	123	<0.377	<0.30	<45.6	<13.9	<25.8	<0.258	<0.794	<367
NATIVE-BG07@6'	5/5/2025	6	4.53	123	<0.354	<0.29	<42.9	<13.0	<24.2	<0.242	<0.746	<345
NATIVE-BG08@3'	5/5/2025	3	5.51	98.4	<0.326	<0.30	<39.4	<12.0	<22.3	<0.223	<0.685	<317
NATIVE-BG08@6'	5/5/2025	6	4.52	107	<0.342	<0.29	<41.4	<12.6	<23.4	<0.234	<0.720	<333

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.