

TABLE 1
SOIL SAMPLE FIELD DATA SUMMARY TABLE
WINDELL1-13&4&5-18 FACILITY
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)
ABOVEGROUND STORAGE TANK SAMPLES (BELOW LINER)								
AST01@0.5'	11/12/2024	0.5	0.6	NS	NO	40.144916	-104.828883	Y
AST01@0.5'-V	11/12/2024	0.5	0.6	NS	NO	40.144916	-104.828883	Y
FOOTPRINT	11/12/2024	0.5	0.4	NS	NO	40.144898	-104.828884	N
LOADOUT	11/12/2024	0.5	0.1	NS	NO	40.144883	-104.828883	N
PRODUCED WATER VESSEL SAMPLES								
N WALL	11/12/2024	2	0.0	NS	NO	40.14489	-104.828825	N
E WALL	11/12/2024	2	0.0	NS	NO	40.144876	-104.8288	N
S WALL	11/12/2024	2	0.2	NS	NO	40.144857	-104.828829	N
PWV-W01@2'	11/12/2024	2	0.2	NS	NO	40.144879	-104.828845	Y
PWV-W01@2'-V	11/12/2024	2	0.2	NS	NO	40.144879	-104.828845	Y
PRODUCED WATER VESSEL SAMPLES (BELOW LINER)								
PWV-B01@4'	11/12/2024	4	0.5	NS	NO	40.144882	-104.828823	Y
PWV-B01@4'-V	11/12/2024	4	0.5	NS	NO	40.144882	-104.828823	Y
SEPARATOR SAMPLES								
SEP01-INLET@3'	11/12/2024	3	0.5	NS	NO	40.144887	-104.829174	Y
SEP01-OUTLET@3'	11/12/2024	3	0.0	NS	NO	40.144931	-104.829198	Y
	12/3/2024		0.2	NS	NO	40.144931	-104.829198	Y
MISCELLANEOUS SAMPLES								
SCRUB POT	11/12/2024	0.5	0.2	NS	NO	40.144886	-104.828936	N
DUMPLINE	11/12/2024	0.5	0.2	NS	NO	40.144912	-104.828961	N
METERHOUSE	11/12/2024	0.5	0.1	NS	NO	40.144927	-104.829257	N
ECD 1	11/12/2024	0.5	0.1	NS	NO	40.144943	-104.829357	N
ECD 2	11/12/2024	0.5	0.3	NS	NO	40.144895	-104.829358	N
BACKGROUND SOIL SAMPLES								
TB-BG01@0.5'	11/12/2024	0.5	0.7	NS	NO	40.144927	-104.828936	Y
NATIVE-BG01@3' (Rem No. 37055)	11/12/2024	3	0.4	NS	NO	40.139919	-104.827024	Y
NATIVE-BG01@6' (Rem No. 37055)	11/12/2024	6	0.1	NS	NO	40.139919	-104.827024	Y
NATIVE-BG02@3' (Rem No. 37055)	11/12/2024	3	0.0	NS	NO	40.140003	-104.827139	Y
NATIVE-BG02@6' (Rem No. 37055)	11/12/2024	6	0.3	NS	NO	40.140003	-104.827139	Y
NATIVE-BG03@3' (Rem No. 37055)	11/12/2024	3	0.3	NS	NO	40.139882	-104.827303	Y
NATIVE-BG03@6' (Rem No. 37055)	11/12/2024	6	0.0	NS	NO	40.139882	-104.827303	Y
NATIVE-BG04@3' (Rem No. 37055)	11/12/2024	3	0.1	NS	NO	40.139808	-104.8272	Y
NATIVE-BG04@6' (Rem No. 37055)	11/12/2024	6	0.0	NS	NO	40.139808	-104.8272	Y
NATIVE-BG05@3' (Rem No. 37055)	11/12/2024	3	0.1	NS	NO	40.139802	-104.827086	Y
NATIVE-BG05@6' (Rem No. 37055)	11/12/2024	6	0.0	NS	NO	40.139802	-104.827086	Y

TABLE 1
SOIL SAMPLE FIELD DATA SUMMARY TABLE
WINDELL1-13&4&5-18 FACILITY
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

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
WINDELL1-13&4&5-18 FACILITY
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
ABOVEGROUND STORAGE TANK SAMPLES (BELOW LINER)												
AST01@0.5'	11/12/2024	0.5	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00343
AST01@0.5'-V	11/12/2024	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PRODUCED WATER VESSEL SAMPLES												
PWV-W01@2'	11/12/2024	2	1.40	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00367
PWV-W01@2'-V	11/12/2024	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PRODUCED WATER VESSEL SAMPLES (BELOW LINER)												
PWV-B01@4'	11/12/2024	4	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00359
PWV-B01@4'-V	11/12/2024	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEPARATOR SAMPLES												
SEP01-INLET@3'	11/12/2024	3	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00126
SEP01-OUTLET@3'	11/12/2024	3	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00374
	12/3/2024		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

TABLE 2-2
SOIL SAMPLE ANALYTICAL RESULTS
POLYCYCLIC AROMATIC HYDROCARBONS
WINDELL1-13&4&5-18 FACILITY
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
ABOVEGROUND STORAGE TANK SAMPLES (BELOW LINER)																
AST01@0.5'	11/12/2024	0.5	<0.00343	<0.00343	<0.00343	0.00171	<0.00343	<0.00343	<0.00343	<0.00343	<0.00343	<0.00343	<0.00343	<0.00343	<0.00343	0.00206
AST01@0.5'-V	11/12/2024	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PRODUCED WATER VESSEL SAMPLES																
PWV-W01@2'	11/12/2024	2	<0.00367	0.00257	0.0139	0.0136	0.00440	0.0128	0.0128	0.00220	0.0158	0.00367	0.00807	0.00330	0.00477	0.0224
PWV-W01@2'-V	11/12/2024	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PRODUCED WATER VESSEL SAMPLES (BELOW LINER)																
PWV-B01@4'	11/12/2024	4	<0.00359	<0.00359	<0.00359	<0.00359	<0.00359	<0.00359	<0.00359	<0.00359	<0.00359	<0.00359	<0.00359	<0.00359	<0.00359	<0.00359
PWV-B01@4'-V	11/12/2024	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEPARATOR SAMPLES																
SEP01-INLET@3'	11/12/2024	3	<0.00382	<0.00382	0.00840	0.0103	0.00344	0.00954	0.00802	<0.00382	0.0111	<0.00382	0.00763	<0.00382	<0.00382	0.0134
SEP01-OUTLET@3'	11/12/2024	3	<0.00374	<0.00374	0.00449	0.00486	<0.00374	0.00449	0.00411	<0.00374	0.00486	<0.00374	0.00336	<0.00374	<0.00374	0.00635
	12/3/2024		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

**TABLE 2-3
SOIL SAMPLE ANALYTICAL RESULTS
SOIL SUITABILITY FOR RECLAMATION
WINDELL1-13&4&5-18 FACILITY
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 (TB)			0.198	0.579	8.04	0.184
Site-Specific Background Limits (3'-6')			2.03	5.46	8.38	0.489
ABOVEGROUND STORAGE TANK SAMPLES (BELOW LINER)						
AST01@0.5'	11/12/2024	0.5	0.112	0.647	7.60	<0.101
AST01@0.5'-V	11/12/2024	0.5	NA	NA	7.63	NA
PRODUCED WATER VESSEL SAMPLES						
PWV-W01@2'	11/12/2024	2	0.0890	0.664	7.59	<0.101
PWV-W01@2'-V	11/12/2024	2	NA	NA	7.60	NA
PRODUCED WATER VESSEL SAMPLES (BELOW LINER)						
PWV-B01@4'	11/12/2024	4	0.220	2.63	8.31*	<0.0982
PWV-B01@4'-V	11/12/2024	4	NA	NA	8.57	NA
SEPARATOR SAMPLES						
SEP01-INLET@3'	11/12/2024	3	0.188	0.923	7.72	<0.995
SEP01-OUTLET@3'	11/12/2024	3	0.255	1.31	7.73	0.214
	12/3/2024		NA	NA	8.23	NA
BACKGROUND SOIL SAMPLES						
TB-BG01@0.5'	11/12/2024	0.5	0.198	0.579	8.04	0.184
NATIVE-BG01@3' (Rem No. 37055)	11/12/2024	3	2.03	5.46	7.91	0.489
NATIVE-BG01@6' (Rem No. 37055)	11/12/2024	6	0.562	2.60	7.85	0.180
NATIVE-BG02@3' (Rem No. 37055)	11/12/2024	3	0.202	1.57	8.16	<0.101
NATIVE-BG02@6' (Rem No. 37055)	11/12/2024	6	0.242	1.50	8.19	<0.101
NATIVE-BG03@3' (Rem No. 37055)	11/12/2024	3	0.208	1.47	8.17	<0.101
NATIVE-BG03@6' (Rem No. 37055)	11/12/2024	6	0.251	1.35	8.14	<0.0999
NATIVE-BG04@3' (Rem No. 37055)	11/12/2024	3	0.189	1.54	8.38	<0.101
NATIVE-BG04@6' (Rem No. 37055)	11/12/2024	6	0.424	2.44	7.91	<0.101
NATIVE-BG05@3' (Rem No. 37055)	11/12/2024	3	0.145	1.51	7.95	<0.0998
NATIVE-BG05@6' (Rem No. 37055)	11/12/2024	6	0.124	1.31	8.17	<0.0986

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
WINDELL1-13&4&5-18 FACILITY
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 (TB)^			4.90	83.5	0.594	NA	22.6	23.4	7.74	NA	0.319	103
Site-Specific Background Limits (3'-6')^			7.21	148	0.600	NA	95.3	38.8	8.80	0.708	0.633	114
ABOVEGROUND STORAGE TANK SAMPLES (BELOW LINER)												
AST01@0.5'	11/12/2024	0.5	3.33*	58.0	0.227	<0.297	12.1	12.4	7.60	<0.230	0.120	50.3
AST01@0.5'-V	11/12/2024	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PRODUCED WATER VESSEL SAMPLES												
PWV-W01@2'	11/12/2024	2	4.11*	92.8*	0.559*	<0.408	18.9	20.7*	7.67	0.290*	0.347	76.1
PWV-W01@2'-V	11/12/2024	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PRODUCED WATER VESSEL SAMPLES (BELOW LINER)												
PWV-B01@4'	11/12/2024	4	1.41*	40.8	<0.0932	<0.354	<9.32	4.05	3.10	<0.242	<0.0932	<34.5
PWV-B01@4'-V	11/12/2024	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEPARATOR SAMPLES												
SEP01-INLET@3'	11/12/2024	3	4.92*	106*	0.513*	<0.419	24.2	25.5*	8.41	0.274*	0.320	96.1
SEP01-OUTLET@3'	11/12/2024	3	5.56*	109*	0.673	<0.417	26.9	32.5*	9.72	0.341*	0.343	106
	12/3/2024		NA	NA	0.224	NA	NA	NA	NA	NA	NA	NA
BACKGROUND SOIL SAMPLES												
TB-BG01@0.5'	11/12/2024	0.5	3.92	66.8	0.475	<0.342	18.1	18.7	6.19	<0.234	0.255	82.1
NATIVE-BG01@3' (Rem No. 37055)	11/12/2024	3	5.77	77.7	0.480	<0.289	45.9	31.0	5.48	<0.246	0.506	91.2
NATIVE-BG01@6' (Rem No. 37055)	11/12/2024	6	4.43	118	0.291	<0.289	76.2	28.3	7.04	0.343	0.504	81.8
NATIVE-BG02@3' (Rem No. 37055)	11/12/2024	3	1.64	14.5	<0.0973	<0.212	<9.73	4.24	1.31	<0.253	<0.0973	<36.0
NATIVE-BG02@6' (Rem No. 37055)	11/12/2024	6	1.90	21.1	<0.0901	<0.349	<9.01	6.88	1.86	<0.234	0.102	<33.3
NATIVE-BG03@3' (Rem No. 37055)	11/12/2024	3	1.65	30.3	0.0937	<0.239	<9.28	4.11	2.70	<0.241	<0.0928	<34.3
NATIVE-BG03@6' (Rem No. 37055)	11/12/2024	6	2.41	29.6	0.113	<0.317	10.1	10.5	2.23	<0.229	0.102	<32.6
NATIVE-BG04@3' (Rem No. 37055)	11/12/2024	3	1.92	30.0	<0.0894	<0.325	16.0	9.67	1.99	<0.232	0.162	40.7
NATIVE-BG04@6' (Rem No. 37055)	11/12/2024	6	1.50	30.7	<0.0893	<0.292	<8.93	6.37	2.31	0.566	<0.0893	<33.1
NATIVE-BG05@3' (Rem No. 37055)	11/12/2024	3	2.02	10.4	<0.0912	<0.313	<9.12	2.67	1.47	<0.237	<0.0912	<33.8
NATIVE-BG05@6' (Rem No. 37055)	11/12/2024	6	0.839	10.0	<0.0891	<0.377	<8.91	1.72	1.41	<0.232	<0.0891	<33.0

Notes:

ECMC - Energy and Carbon Management Commission
PGSSLs - Protection of Groundwater Soil Screening Level Concentrations
NA - Not Analyzed/Not Applicable

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

*Exceeds Table 915-1 allowable level but within analytical variability of background

^ - site-specific background is shown as 1.25x maximum background to account for analytical variability

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

ft - feet
bgs - below ground surface
mg/kg - milligrams per kilogram
< - less than laboratory reporting limit