

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

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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

Shaded Rows are Samples that have been over excavated

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
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
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
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

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

Verification samples that did not contain these analyses are not included in this table.

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

Shaded Rows are Samples that have been over excavated

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
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
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
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

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

Verification samples that did not contain these analyses are not included in this table.

Shaded Rows are Samples that have been over excavated

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

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

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.

Verification samples that did not contain these analyses are not included in this table.

Shaded Rows are Samples that have been over excavated

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
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
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
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.

Verification samples that did not contain these analyses are not included in this table.

Shaded Rows are Samples that have been over excavated

ft - feet

bgs - below ground surface

mg/kg - milligrams per kilogram

< - less than laboratory reporting limit