

TABLE 1
MILLER X 31-03, 06 O SA PRODUCTION FACILITY
SOIL SAMPLE FIELD DATA SUMMARY TABLE
KERR-McGEE OIL AND GAS ONSHORE LP

Soil Sample Location	Date	Depth (ft. bgs)	PID Reading (ppm)	Visual Observation	Olfactory Observation	Latitude	Longitude	GPS PDOP Value	Submitted for Lab Analysis? (Y/N)
PW1-B01@6'	11/23/22	6	11.8	No Staining	No Odor	40.09854445	-104.7094023	0.9	Yes
PW1-N01@3'	11/23/22	3	1.9	No Staining	No Odor	40.09855582	-104.7094111	0.9	Yes
PW1-S01@3'	11/23/22	3	1.5	No Staining	No Odor	40.09852934	-104.7093998	0.9	No
PW1-E01@3'	11/23/22	3	1.4	No Staining	No Odor	40.09854123	-104.7093820	0.9	No
PW1-W01@3'	11/23/22	3	1.2	No Staining	No Odor	40.09854668	-104.7094412	0.9	No
AST1-B01@3"	11/23/22	0.25	1.0	No Staining	No Odor	40.09849952	-104.7094001	1.0	No
AST1-B02@3"	11/23/22	0.25	1.2	No Staining	No Odor	40.09848210	-104.7094003	1.0	Yes
AST2-B01@3"	11/23/22	0.25	1.0	No Staining	No Odor	40.09850457	-104.7094561	1.0	No
AST2-B02@3"	11/23/22	0.25	1.1	No Staining	No Odor	40.09849150	-104.7094631	1.0	Yes
DL-B01@3'	11/23/22	3	1.2	No Staining	No Odor	40.09848756	-104.7093477	1.0	No
SEP1-B01@3'	11/23/22	3	2.7	No Staining	No Odor	40.09845693	-104.7091041	1.0	Yes
SEP1-B02@3'	11/23/22	3	1.1	No Staining	No Odor	40.09846357	-104.7091735	1.0	Yes
PW1-B02@9'	12/05/22	9	17.7	No Staining	No Odor	40.09855099	-104.7094123	NA	Yes
PW1-N02@8'	12/05/22	8	7.5	No Staining	No Odor	40.09851111	-104.7094662	0.9	Yes
PW1-S02@8'	12/05/22	8	18.7	No Staining	No Odor	40.09853942	-104.7094086	NA	Yes
PW1-E02@8'	12/05/22	8	7.0	No Staining	No Odor	40.09853588	-104.7094099	NA	Yes
PW1-W02@8'	12/05/22	8	9.4	No Staining	No Odor	40.09858911	-104.7093846	NA	Yes
PW1-S03@8'	12/07/22	8	0.6	No Staining	No Odor	40.10033288	-104.7089498	1.2	Yes
BACKGROUND SOIL SAMPLING									
BG-01@3'	11/23/22	3	1.2	No Staining	No Odor	40.09862928	-104.7092108	1.0	Yes
BG-01@6'	11/23/22	6	0.8	No Staining	No Odor	40.09862928	-104.7092108	1.0	Yes
BG-02@3'	11/23/22	3	0.5	No Staining	No Odor	40.09847933	-104.7089676	1.0	Yes
BG-02@6'	11/23/22	6	0.4	No Staining	No Odor	40.09847933	-104.7089676	1.0	Yes

Notes:

ft. bgs = Feet below ground surface

PID = Photoionization detector

ppm = Parts per million

GPS = Global positioning system

PDOP = Position dilution of precision

NA = GPS data not available

TABLE 2
MILLER X 31-03, 06 O SA PRODUCTION FACILITY
SOIL SAMPLE RESULTS SUMMARY TABLE - VOCs
KERR-McGEE OIL AND GAS ONSHORE LP

Soil Sample Location	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TVPH-GRO (mg/kg)	TEPH-DRO (mg/kg)	TEPH-ORO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
COGCC standards for soil (mg/kg) ⁽¹⁾		0.0026	0.69	0.78	9.9	0.0038	500			0.0081	0.0087
COGCC standards for soil (mg/kg) ⁽²⁾		1.2	490	5.8	58	2	500			30	27
PW1-B01@6'	11/23/22	<0.00200	0.00996	0.00312	0.0340	0.00452	4.02	476	219	0.0282	0.0111
PW1-N01@3'	11/23/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
AST1-B02@3''	11/23/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
AST2-B02@3''	11/23/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
SEP1-B01@3'	11/23/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
SEP1-B02@3'	11/23/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
PW1-B02@9'	12/05/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201	<0.200	<25.0	<100	<0.00200	<0.00200
PW1-N02@8'	12/05/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201	<0.200	<25.0	<100	<0.00200	<0.00200
PW1-S02@8'	12/05/22	<0.00200	0.00442	<0.00200	0.0170	<0.0101	1.66	<25.0	<100	0.0107	0.00436
PW1-E02@8'	12/05/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201	<0.200	<25.0	<100	<0.00200	<0.00200
PW1-W02@8'	12/05/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201	<0.200	<25.0	<100	<0.00200	<0.00200
PW1-S03@8'	12/07/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201	<0.200	<25.0	<100	<0.00200	<0.00200

Notes:
(1) Standards for soil are taken from COGCC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021
(2) Standards for soil are taken from COGCC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021
COGCC = Colorado Oil and Gas Conservation Commission
(<) = Analytical result is less than the indicated laboratory reporting limit
mg/kg = Milligrams per kilogram
TVPH - GRO = Total volatile petroleum hydrocarbons - gasoline range organics
TEPH - DRO = Total extractable petroleum hydrocarbons - diesel range organics
TEPH - ORO = Total extractable petroleum hydrocarbons - oil range organics
1,2,4 - TMB = 1,2,4 - Trimethylbenzene
1,3,5 - TMB = 1,3,5 - Trimethylbenzene
BOLD = Analytical result is in exceedance of COGCC Table 915-1 soil standards

TABLE 3
MILLER X 31-03, 06 O SA PRODUCTION FACILITY
SOIL SAMPLE RESULTS SUMMARY TABLE - PAHs
KERR-McGEE OIL AND GAS ONSHORE LP

Soil Sample Location	Date	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)A (mg/kg)	Benzo(b)F (mg/kg)	Benzo(k)F (mg/kg)	Benzo(a)P (mg/kg)	Chrysene (mg/kg)	D (a,h) A (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	1,2,3-CD (mg/kg)	1-M (mg/kg)	2-M (mg/kg)	Naphthalene (mg/kg)	Pyrene (mg/kg)
COGCC standards for soil (mg/kg) ⁽¹⁾		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	0.0038	1.3
COGCC standards for soil (mg/kg) ⁽²⁾		360	1,800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	2	180
PW1-B01@6'	11/23/22	0.0495	0.00483	0.0149	<0.00335	0.00403	<0.00335	0.0466	<0.00355	0.00401	0.137	<0.00335	0.0654	0.0731	0.00452	0.0219
PW1-B02@9'	12/05/22	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00201	<0.00201	<0.00201	<0.00067
PW1-N02@8'	12/05/22	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00201	<0.00201	<0.00201	<0.00067
PW1-S02@8'	12/05/22	0.0109	0.00838	0.0477	0.0501	0.0329	0.0476	0.0687	0.0127	0.0846	0.0281	0.0264	<0.0101	<0.0101	<0.0101	0.0771
PW1-E02@8'	12/05/22	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00201	<0.00201	<0.00201	<0.00067
PW1-W02@8'	12/05/22	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00201	<0.00201	<0.00201	<0.00067
PW1-S03@8'	12/07/22	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00201	<0.00201	<0.00201	<0.00067

Notes:

(1) Standards for soil are taken from COGCC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021

(2) Standards for soil are taken from COGCC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021

COGCC = Colorado Oil and Gas Conservation Commission

(<) = Analytical result is less than the indicated laboratory reporting limit

mg/kg = Milligrams per kilogram

Benzo(a)A = Benzo(a)anthracene

Benzo(b)F = Benzo(b)fluoranthene

Benzo(k)F = Benzo(k)fluoranthene

Benzo(a)P = Benzo(a)pyrene

D (a,h) A = Dibenzo(a,h)anthracene

1,2,3-CD = Indeno(1,2,3-cd)pyrene

1-M = 1-Methylnaphthalene

2-M = 2-Methylnaphthalene

BOLD = Analytical result is in exceedance of COGCC Table 915-1 soil standards

TABLE 4
MILLER X 31-03, 06 O SA PRODUCTION FACILITY
SOIL SAMPLE RESULTS SUMMARY TABLE - METALS
KERR-McGEE OIL AND GAS ONSHORE LP

Soil Sample Location	Date	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)
COGCC standards for soil (mg/kg) ⁽¹⁾		0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
COGCC standards for soil (mg/kg) ⁽²⁾		0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
PW1-B01@6'	11/23/22	2.58*	73.8	0.108	<0.252	<9.40	<9.40	<9.40	<0.0940	<0.0940	<94.0
BACKGROUND SOIL SAMPLING											
BG-01@3'	11/23/22	4.58	315	0.155	<0.245	9.71	<9.48	12.4	0.173	<0.0948	<94.8
BG-01@6'	11/23/22	3.68	135	0.168	<0.244	<9.49	<9.49	10.8	0.149	<0.0949	<94.9
BG-02@3'	11/23/22	4.45	104	0.129	<0.253	<9.50	<9.50	<9.50	0.133	<0.0950	<95.0
BG-02@6'	11/23/22	4.38	154	0.175	<0.245	10.7	<9.61	12.7	0.183	<0.0961	<96.1

Notes:
(1) Standards for soil are taken from COGCC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021
(2) Standards for soil are taken from COGCC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021
COGCC = Colorado Oil and Gas Conservation Commission
(<) = Analytical result is less than the indicated laboratory minimum detection limit or laboratory reporting limit
mg/kg = Milligrams per kilogram
BOLD = Analytical result is in exceedance of COGCC Table 915-1 soil standards
* Result exceeded the COGCC Table 915-1 standard, but was within the range of site-specific background concentrations
Italics = Laboratory minimum detection limit exceeds the COGCC Table 915-1 standard

TABLE 5
MILLER X 31-03, 06 O SA PRODUCTION FACILITY
SOIL SAMPLE RESULTS SUMMARY TABLE - SOIL SUITABILITY FOR RECLAMATION
KERR-McGEE OIL AND GAS ONSHORE LP

Soil Sample Location	Date	Depth (ft. bgs)	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
COGCC standards for soil (mg/kg) ⁽¹⁾			6 - 8.3	< 6	< 4	2
PW1-B01@6'	11/23/22	6	8.00	8.43*	6.35*	0.144
PW1-N01@3'	11/23/22	3	8.36**	0.677	0.335	<0.0985
AST1-B02@3"	11/23/22	0.25	8.34**	0.282	0.272	<0.0995
AST2-B02@3"	11/23/22	0.25	8.46**	0.192	0.0814	<0.0984
SEP1-B01@3'	11/23/22	3	8.01	0.123	0.221	<0.0990
SEP1-B02@3'	11/23/22	3	8.29	0.347	0.294	0.355
PW1-B02@9'	12/05/22	9	7.87	NA	NA	NA
PW1-N02@8'	12/05/22	8	8.26	NA	NA	NA
PW1-S02@8'	12/05/22	8	7.57	NA	NA	NA
PW1-E02@8'	12/05/22	8	8.24	NA	NA	NA
PW1-W02@8'	12/05/22	8	8.23	NA	NA	NA
PW1-S03@8'	12/07/22	8	8.16	NA	NA	NA
BACKGROUND SOIL SAMPLING						
BG-01@3'	11/23/22	3	7.31	16.3	9.84	2.10
BG-01@6'	11/23/22	6	7.50	8.31	6.23	1.25
BG-02@3'	11/23/22	3	7.85	3.19	4.66	1.32
BG-02@6'	11/23/22	6	7.94	8.91	7.32	2.11

Notes:

(1) Standards for soil are taken from COGCC Table 915-1, effective January 15, 2021

COGCC = Colorado Oil and Gas Conservation Commission

(<) = Analytical result is less than the indicated laboratory reporting limit

ft. bgs = Feet below ground surface

mmhos/cm = Millimhos per centimeter

mg/L = Milligrams per liter

SAR = Sodium Adsorption Ratio

EC = Electrical Conductivity

BOLD = Analytical result is in exceedance of COGCC Table 915-1 soil standards

* Result exceeded the COGCC Table 915-1 standard, but was within the range of site-specific background levels

** Result exceeded the COGCC Table 915-1 standard and background levels, but was within the range of acceptable soil variability

NA = Constituent not analyzed