

TABLE 1
HOUSTON 17-7L,17-8L 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)
ECD-B01@6"	12/17/21	0.5	0.0	No Staining	No Odor	40.22739594	-104.9086965	1.1	No
AST-B01@3"	12/17/21	0.25	1.2	No Staining	No Odor	40.22745222	-104.9084250	1.1	No
AST-B02@1'	12/17/21	1	1.2	No Staining	No Odor	40.22743023	-104.9084213	1.2	Yes
SEP-B01@3"	12/17/21	0.25	3.1	No Staining	No Odor	40.22743773	-104.9086944	1.2	Yes
SEP-B02@3"	12/17/21	0.25	124.2	No Staining	HC Odor	40.22743935	-104.9086587	1.2	Yes
PW-B01@5'	12/17/21	5	189.5	HC Staining	HC Odor	40.22742160	-104.9084784	1.1	Yes
PW-N01@2'	12/17/21	2	3.0	No Staining	No Odor	40.22745698	-104.9084611	1.1	No
PW-S01@4'	12/17/21	4	176.8	HC Staining	HC Odor	40.22740598	-104.9084780	1.1	Yes
PW-E01@4'	12/17/21	4	2.6	No Staining	No Odor	40.22742815	-104.9084571	1.1	No
PW-W01@4'	12/17/21	4	3.2	No Staining	No Odor	40.22743675	-104.9084988	1.2	No
DL-B01@1'	12/17/21	1	0.0	No Staining	No Odor	40.22739876	-104.9086763	1.2	No
DL-B02@3'	12/17/21	3	37.3	No Staining	HC Odor	40.22743332	-104.9086297	1.2	Yes
DL-B03@1'	12/17/21	1	0.0	No Staining	No Odor	40.22739517	-104.9084282	1.2	No
FL-B05@3'	12/17/21	3	29.8	No Staining	HC Odor	40.22743838	-104.9086463	1.2	Yes
PW-B02@20'	03/02/22	20	6.5	No Staining	No Odor	40.22745343	-104.9084700	1.1	Yes
PW-N02@17'	03/02/22	17	0.0	No Staining	No Odor	40.22745777	-104.9084646	1.1	Yes
PW-S02@17'	03/02/22	17	0.0	No Staining	No Odor	40.22739000	-104.9084669	1.1	Yes
PW-E02@17'	03/02/22	17	1.9	No Staining	No Odor	40.22743276	-104.9084341	1.2	Yes
PW-W02@17'	03/02/22	17	0.0	No Staining	No Odor	40.22741897	-104.9085000	1.2	Yes
SEP-B03@6'	03/02/22	6	0.0	No Staining	No Odor	40.22740772	-104.9086441	1.1	Yes
SEP-N01@5'	03/02/22	5	0.0	No Staining	No Odor	40.22744391	-104.9086347	1.2	Yes
SEP-S01@5'	03/02/22	5	0.0	No Staining	No Odor	40.22739500	-104.9086432	1	Yes
SEP-E01@5'	03/02/22	5	0.0	No Staining	No Odor	40.22743958	-104.9086071	1.2	Yes
SEP-W01@5'	03/02/22	5	0.0	No Staining	No Odor	40.22741119	-104.9086740	1.1	Yes

TABLE 1
HOUSTON 17-7L,17-8L 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)
BACKGROUND SOIL SAMPLING									
PW-BG01@2.5'	12/17/21	2.5	0.0	No Staining	No Odor	40.2273089	-104.9084466	1.2	Yes
PW-BG01@5'	12/17/21	5	0.1	No Staining	No Odor	40.2273089	-104.9084466	1.2	Yes
PW-BG02@2.5'	12/17/21	2.5	0.0	No Staining	No Odor	40.22740964	-104.9081542	1.3	Yes
PW-BG02@5'	12/17/21	5	0.0	No Staining	No Odor	40.22740964	-104.9081542	1.3	Yes
PW-BG03@2.5'	12/17/21	2.5	0.1	No Staining	No Odor	40.22738614	-104.9087884	1.2	Yes
PW-BG03@5'	12/17/21	5	0.0	No Staining	No Odor	40.22738614	-104.9087884	1.2	Yes

Notes:

ft. bgs = Feet below ground surface

PID = Photoionization detector

ppm = Parts per million

HC = Hydrocarbon

GPS = Global positioning system

PDOP = Position dilution of precision

TABLE 2
HOUSTON 17-7L,17-8L O SA RODUCTION 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
AST-B02@1'	12/17/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	NA	NA
SEP-B01@3"	12/17/21	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
SEP-B02@3"	12/17/21	0.0212	0.102	0.0162	0.236	<0.00380	1.28	<25.0	<100	0.0556	0.0254
PW-B01@5'	12/17/22	<0.00200	0.00292	0.0705	0.0218	0.945	1,890	2,370	1,030	32.4	7.92
PW-S01@4'	12/17/21	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	116	0.00246	<0.00200
DL-B02@3'	12/17/21	0.188	4.07	0.751	9.06	0.0533	162	306	134	1.89	0.977
FL-B05@3'	12/17/21	0.00380	0.00598	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
PW-B02@20'	03/02/22	<0.00200	<0.00200	<0.00200	0.0232	<0.00067	<0.200	<25.0	<100	0.0172	0.00726
PW-N02@17'	03/02/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	<25.0	<100	<0.00200	<0.00200
PW-S02@17'	03/02/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	<25.0	<100	<0.00200	<0.00200
PW-E02@17'	03/02/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	57.9	<100	<0.00200	<0.00200
PW-W02@17'	03/02/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	<25.0	<100	<0.00200	<0.00200
SEP-B03@6'	03/02/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	<25.0	<100	<0.00200	<0.00200
SEP-N01@5'	03/02/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	<25.0	<100	<0.00200	<0.00200
SEP-S01@5'	03/02/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	<25.0	<100	<0.00200	<0.00200
SEP-E01@5'	03/02/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	<25.0	<100	<0.00200	<0.00200
SEP-W01@5'	03/02/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<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
NA = Constituent not analyzed

TABLE 3
HOUSTON 17-7L,17-8L 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	0.96	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
SEP-B02@3"	12/17/21	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.000307J	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.000616J	0.00119	<0.00380	<0.00067
PW-B01@5'	12/17/22	0.23	0.0301	0.0681	0.0281	0.00642J	0.0313	0.243	0.00903	0.0755	0.0768	0.00562J	2.99	5.79	0.945	0.172
DL-B02@3'	12/17/21	0.0211	<0.00335	0.0074	<0.00335	<0.00335	0.00145J	0.00449	<0.00335	<0.00335	0.036	<0.00335	0.249	0.419	0.0533	0.0041
PW-B02@20'	03/02/22	<0.00067	<0.00067	<0.00067	0.000687	<0.00067	0.000506J	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.0024	0.00157	<0.00067	<0.00067
PW-N02@17'	03/02/22	<0.00067	<0.00067	0.0007	0.00666	0.00219	0.00589	0.00387	0.00288	<0.00067	<0.00067	0.0102	<0.00067	<0.00067	<0.00067	0.000758
PW-S02@17'	03/02/22	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
PW-E02@17'	03/02/22	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
PW-W02@17'	03/02/22	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
SEP-B03@6'	03/02/22	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
SEP-N01@5'	03/02/22	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
SEP-S01@5'	03/02/22	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
SEP-E01@5'	03/02/22	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
SEP-W01@5'	03/02/22	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<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

J = Estimated value; analytical result is below laboratory quantitation limit

TABLE 4
HOUSTON 17-7L,17-8L 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
SEP-B02@3"	12/17/21	2.41*	120*	0.175J	<0.244	7.21	7.55	9.01	0.188J	0.0423J	32
PW-B01@5'	12/17/22	1.41*	76.1	0.0638J	<0.244	4.8	5.01	5.96	0.182J	0.0241J	23.4
DL-B02@3'	12/17/21	2.45*	82.1*	0.114J	<0.244	5.88	6.22	6.92	0.237J	0.0364J	25.4
FL-B05@3'	12/17/21	3.24*	124*	0.195J	<0.488	8.94	9.23	10.8	0.31*	0.0464	38.7
BACKGROUND SOIL SAMPLING											
PW-BG01@2.5'	12/17/21	2.42	112	0.157J	<0.244	7.6	6.88	9.08	0.622	0.0403J	33.7
PW-BG01@5'	12/17/21	3.14	124	0.156J	<0.244	8.26	8.26	9.92	0.532	0.0423J	36.9
PW-BG02@2.5'	12/17/21	2.92	141	0.109J	<0.245	6.71	7.42	8.14	0.319	0.0402J	33.8
PW-BG02@5'	12/17/21	3.27	69.6	0.121J	<0.244	7.67	8.87	9.42	0.506	0.0379J	39
PW-BG03@2.5'	12/17/21	3.07	107	0.135J	<0.244	7.54	7.91	9.07	0.554	0.0406J	34.5
PW-BG03@5'	12/17/21	2.75	88.6	0.14J	<0.249	6.99	6.93	8.27	0.489	0.0315J	32.5

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
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 range of site-specific background concentrations
Italics = Laboratory minimum detection limit exceeds the COGCC Table 915-1 standard
J = Estimated value; analytical result is below laboratory quantitation limit

TABLE 5
HOUSTON 17-7L,17-8L 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
SEP-B02@3"	12/17/21	0.25	7.73	0.865	1.13	0.655
PW-B01@5'	12/17/22	5	8.30	17.5*	3.23	3.37*
DL-B02@3'	12/17/21	3	7.52	2.24	3.58	0.932
FL-B05@3'	12/17/21	3	7.92	1.47	1.12	0.685
BACKGROUND SOIL SAMPLING						
PW-BG01@2.5'	12/17/21	2.5	8.03	19.3	32.5	1.88
PW-BG01@5'	12/17/21	5	8.04	16.4	15.3	3.82
PW-BG02@2.5'	12/17/21	2.5	8.71	10.2	0.872	1.26
PW-BG02@5'	12/17/21	5	7.73	9.52	7.99	2.64
PW-BG03@2.5'	12/17/21	2.5	7.85	15.7	17.0	1.52
PW-BG03@5'	12/17/21	5	7.93	14.1	16.7	1.73

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 = Millmhos 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 range of site-specific background levels