

TABLE 1
SHAPIRO/BROWN 11&14-1/EASLEY 15-1/JACKSON 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)
AST-B01@6"	03/29/22	0.5	0.5	No Staining	No Odor	40.25116445	-104.7287114	1.1	Yes
AST-B02@3"	03/29/22	0.25	0.5	No Staining	No Odor	40.25117910	-104.7287124	NA	No
AST-B03@3"	03/29/22	0.25	0.9	No Staining	No Odor	40.25117153	-104.7286785	1.1	No
AST-B04@3"	03/29/22	0.25	4.7	No Staining	No Odor	40.25118220	-104.7286816	NA	Yes
SEP-B01@3'	03/29/22	3	1.8	No Staining	No Odor	40.25145779	-104.7286990	1.1	Yes
SEP-B02@3'	03/29/22	3	1.1	No Staining	No Odor	40.25141168	-104.7286698	1.1	Yes
MH-B01@3"	03/29/22	0.25	0.1	No Staining	No Odor	40.25146278	-104.7287743	1.1	No
ECD-B01@3"	03/29/22	0.25	0.4	No Staining	No Odor	40.25145229	-104.7288723	1.1	No
DL-B01@4'	03/29/22	4	1.7	No Staining	No Odor	40.25120160	-104.7286373	NA	No
DL-B02@4'	03/29/22	4	1.0	No Staining	No Odor	40.25120160	-104.7287406	NA	No
AST-B02@3"	03/29/22	0.25	0.5	No Staining	No Odor	40.25117910	-104.7287124	NA	No
AST-B03@6"	03/29/22	0.5	0.9	No Staining	No Odor	40.25117153	-104.7286785	1.1	No
PW-B01@12'	03/30/22	12	2.6	No Staining	No Odor	NA	NA	NA	Yes
PW-N01@10'	03/30/22	10	36.5	No Staining	No Odor	NA	NA	NA	Yes
PW-S01@10'	03/30/22	10	1.2	No Staining	No Odor	NA	NA	NA	Yes
PW-E01@10'	03/30/22	10	246.5	No Staining	No Odor	NA	NA	NA	Yes
PW-W01@10'	03/30/22	10	2.1	No Staining	No Odor	NA	NA	NA	Yes
PW-B02@9'	04/01/22	9	4.0	No Staining	No Odor	40.25118630	-104.7286266	NA	Yes
PW-N02@3'	03/30/22	3	NA	NA	NA	NA	NA	NA	Yes
PW-N03@7'	04/01/22	7	2.4	No Staining	No Odor	NA	NA	NA	Yes
PW-N04@3'	04/01/22	3	1.7	No Staining	No Odor	NA	NA	NA	Yes
PW-S02@7'	04/01/22	7	2.3	No Staining	No Odor	40.25117366	-104.7286207	1.1	Yes
PW-E02@7'	04/01/22	7	1.9	No Staining	No Odor	40.25118830	-104.7285958	NA	Yes
PW-W02@7'	04/01/22	7	146.7	No Staining	Slight HC Odor	40.25118730	-104.7286467	NA	Yes
PW-E03@10'	05/17/22	10	1.0	No Staining	No Odor	NA	NA	NA	Yes
PW-W03@7'	05/17/22	10	0.7	No Staining	No Odor	NA	NA	NA	Yes

TABLE 1
SHAPIRO/BROWN 11&14-1/EASLEY 15-1/JACKSON 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)
AST-B05@3'	05/17/22	3	0.1	No Staining	No Odor	NA	NA	NA	Yes
AST-N01@2'	05/17/22	2	0.0	No Staining	No Odor	NA	NA	NA	Yes
AST-S01@2'	05/17/22	2	0.0	No Staining	No Odor	NA	NA	NA	Yes
AST-E01@2'	05/17/22	2	0.0	No Staining	No Odor	NA	NA	NA	Yes
AST-W01@2'	05/17/22	2	0.0	No Staining	No Odor	NA	NA	NA	Yes
AST-B06@4'	06/08/22	4	0.0	No Staining	No Odor	NA	NA	NA	Yes
BACKGROUND SOIL SAMPLING									
BG01@3"	03/30/22	0.25	0.4	No Staining	No Odor	40.25155579	-104.7288595	1.2	Yes
BG01@3'	03/30/22	3	0.8	No Staining	No Odor	40.25155579	-104.7288595	1.2	Yes
BG02@3"	03/30/22	0.25	0.8	No Staining	No Odor	40.25110734	-104.7286916	1.2	Yes
BG02@3'	03/30/22	3	0.6	No Staining	No Odor	40.25110734	-104.7286916	1.2	Yes
BG03@3"	03/30/22	0.25	0.3	No Staining	No Odor	40.25137639	-104.7284415	1.3	Yes
BG03@3'	03/30/22	3	0.9	No Staining	No Odor	40.25137639	-104.7284415	1.3	Yes
BG04@3"	03/30/22	0.25	0.6	No Staining	No Odor	40.25126459	-104.7289280	1.3	Yes
BG04@3'	03/30/22	3	0.7	No Staining	No Odor	40.25126459	-104.7289280	1.3	Yes
PW-BG01@7'	04/04/22	7	8.5	No Staining	No Odor	NA	NA	NA	Yes
PW-BG02@7'	04/04/22	7	1.0	No Staining	No Odor	NA	NA	NA	Yes
PW-BG03@7'	04/04/22	7	0.5	No Staining	No Odor	NA	NA	NA	Yes
PW-BG04@7'	04/04/22	7	4.0	No Staining	No Odor	NA	NA	NA	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 = Data not available; sample location inaccessible

TABLE 2
SHAPIRO/BROWN 11&14-1/EASLEY 15-1/JACKSON 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
AST-B01@6"	03/29/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	NA	NA
AST-B04@3"	03/29/22	<0.00200	<0.00200	<0.00200	0.0206	0.0381	4.64	<25.0	<100	<0.00200	<0.00200
SEP-B01@3'	03/29/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	NA	NA
SEP-B02@3'	03/29/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	NA	NA
PW-B01@12'	03/30/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
PW-N01@10'	03/30/22	<0.00200	<0.00200	<0.00200	0.00436	<0.00380	0.301	<25.0	<100	0.00374	0.00260
PW-S01@10'	03/30/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
PW-E01@10'	03/30/22	<0.00200	<0.00200	<0.00200	0.00486	<0.00067	0.472	77.4	<100	0.00890	<0.00200
PW-W01@10'	03/30/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
PW-N02@3'	03/30/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
PW-B02@9'	04/01/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
PW-N03@7'	04/01/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
PW-N04@3'	04/01/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
PW-S02@7'	04/01/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
PW-E02@7'	04/01/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	<0.00200	<0.00200
PW-W02@7'	04/01/22	<0.00200	0.00646	<0.00200	0.0143	0.0242	1.55	42.8	<100	0.0115	0.00270
PW-E03@10'	05/17/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	<25.0	<100	<0.00200	<0.00200
PW-W03@7'	05/17/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	<25.0	<100	<0.00200	<0.00200
AST-B05@3'	05/17/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	<25.0	<100	<0.00200	<0.00200
AST-N01@2'	05/17/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	<25.0	<100	<0.00200	<0.00200
AST-S01@2'	05/17/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	<25.0	<100	<0.00200	<0.00200
AST-E01@2'	05/17/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	<25.0	<100	<0.00200	<0.00200
AST-W01@2'	05/17/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	<25.0	<100	<0.00200	<0.00200
AST-B06@4'	06/08/22	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067	<0.200	<25.0	<100	<0.00200	<0.00200

TABLE 2
SHAPIRO/BROWN 11&14-1/EASLEY 15-1/JACKSON 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

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
SHAPIRO/BROWN 11&14-1/EASLEY 15-1/JACKSON 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
AST-B04@3"	03/29/22	0.00104	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.00212	<0.00067	0.00641	0.0129	0.000585J	<0.00067
PW-B01@12'	03/30/22	<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-N01@10'	03/30/22	<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-S01@10'	03/30/22	<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-E01@10'	03/30/22	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.000837	<0.00067	0.000402J	<0.00067	<0.00067	0.000755
PW-W01@10'	03/30/22	<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	0.00133
PW-N02@3'	03/30/22	<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-B02@9'	04/01/22	0.00167	0.00171	0.00172	0.00155	0.0024	0.00226	0.00221	0.00198	0.002	0.00173	0.00132	0.00165	0.00165	0.00163	0.00462
PW-N03@7'	04/01/22	<0.00067	<0.00067	<0.00067	0.00157	0.000821	0.00196	0.00176	0.00171	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
PW-N04@3'	04/01/22	<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-S02@7'	04/01/22	<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@7'	04/01/22	<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@7'	04/01/22	0.0304	0.000346J	<0.00067	<0.00067	<0.00067	<0.00067	0.00357	<0.00067	0.000745	0.0544	<0.00067	0.111	0.22	0.0242	0.00398
PW-E03@10'	05/17/22	<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-W03@7'	05/17/22	<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
AST-B05@3'	05/17/22	<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
AST-N01@2'	05/17/22	<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
AST-S01@2'	05/17/22	<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
AST-E01@2'	05/17/22	<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
AST-W01@2'	05/17/22	<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
AST-B06@4'	06/08/22	<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

TABLE 3
SHAPIRO/BROWN 11&14-1/EASLEY 15-1/JACKSON 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

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
SHAPIRO/BROWN 11&14-1/EASLEY 15-1/JACKSON 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
AST-B04@3"	03/29/22	2	65.2	0.0479J	<0.25	5.27	5.94	4.62	0.352	0.0163J	20.4
PW-E01@10'	03/30/22	1.07*	48.7	0.0677J	<0.245	4.02	4.9	4.61	0.238J	0.015J	19.3
PW-W02@7'	04/01/22	1.22*	27.2	0.0384J	<0.246	2.56	4.12	2.6	0.133J	0.0103J	10.9
AST-B05@3'	05/17/22	2.02	NA	NA	NA	NA	NA	NA	0.272*	NA	NA
AST-N01@2'	05/17/22	1.23*	NA	NA	NA	NA	NA	NA	0.248J	NA	NA
AST-S01@2'	05/17/22	1.25*	NA	NA	NA	NA	NA	NA	0.25	NA	NA
AST-E01@2'	05/17/22	1.29*	NA	NA	NA	NA	NA	NA	0.271*	NA	NA
AST-W01@2'	05/17/22	1.25*	NA	NA	NA	NA	NA	NA	0.221J	NA	NA
AST-B06@4'	06/08/22	1.64*	NA	NA	NA	NA	NA	NA	<0.100	NA	NA
BACKGROUND SOIL SAMPLING											
BG01@3"	03/30/22	1.16	54.8	0.0383J	<0.244	4.69	3.88	4.37	0.277	0.0151J	19.5
BG01@3'	03/30/22	1.28	62.7	0.0488J	<0.25	5.65	5.79	5.99	0.197J	0.0235J	28.5
BG02@3"	03/30/22	0.941	87.9	0.073J	<1.24	4.91	5.54	3.64	0.243J	0.0156J	24.1
BG02@3'	03/30/22	1.38	70.3	0.0478J	<0.245	5.35	5.86	6.85	0.188J	0.0321J	28.5
BG03@3"	03/30/22	0.689	62.8	0.0849J	<1.22	5.75	6.08	3.12	0.235J	0.0141J	35.8
BG03@3'	03/30/22	1.2	67.6	0.0705J	<0.488	5.91	6.48	6.07	0.248J	0.0282J	32.2
BG04@3"	03/30/22	1.01	53.6	0.0532J	<0.502	3.81	4.4	2.69	0.216J	0.0126J	20
BG04@3'	03/30/22	1.1	68	0.0578J	<0.251	4.89	4.95	5.41	0.275	0.0221J	25.1
PW-BG01@7'	04/04/22	1	50.7	0.0567J	<0.249	3.48	3.86	4.05	0.262	0.0176J	17.1
PW-BG02@7'	04/04/22	0.797	49.3	0.056J	<0.246	3.33	3.64	3.92	0.237J	0.0164J	17.4
PW-BG03@7'	04/04/22	0.687	47.2	0.0535J	<0.247	3.28	3.93	3.63	0.221J	0.0137J	16.6
PW-BG04@7'	04/04/22	0.597	39.7	0.0443J	<0.245	3.03	3.07	2.98	0.154J	0.0121J	14.7

TABLE 4
SHAPIRO/BROWN 11&14-1/EASLEY 15-1/JACKSON 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

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 x 1.25

Italics = Laboratory minimum detection limit exceeds the COGCC Table 915-1 standard

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

NA = Constituent not analyzed

TABLE 5
SHAPIRO/BROWN 11&14-1/EASLEY 15-1/JACKSON 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
AST-B04@3"	03/29/22	0.25	6.50	0.721	0.479	<0.102
PW-E01@10'	03/30/22	10	7.90	0.788	0.488	0.160
PW-N02@3'	03/30/22	3	7.74	0.711	0.789	0.0986
PW-N04@3'	04/01/22	3	7.99	0.574	0.314	<0.0997
PW-W02@7'	04/01/22	7	8.16	0.649	0.236	0.139
BACKGROUND SOIL SAMPLING						
BG01@3"	03/30/22	0.25	7.66	0.637	0.375	<0.0990
BG01@3'	03/30/22	3	7.50	0.187	0.230	0.283
BG02@3"	03/30/22	0.25	7.34	0.0627	0.860	0.384
BG02@3'	03/30/22	3	7.63	0.102	0.434	0.101
BG03@3"	03/30/22	0.25	7.68	0.0358	0.538	1.31
BG03@3'	03/30/22	3	7.33	0.143	0.664	0.361
BG04@3"	03/30/22	0.25	7.52	0.0806	1.06	0.380
BG04@3'	03/30/22	3	7.67	0.150	0.465	0.140
PW-BG01@7'	04/04/22	7	8.15	0.364	0.231	<0.101
PW-BG02@7'	04/04/22	7	8.27	1.41	0.351	<0.100
PW-BG03@7'	04/04/22	7	7.82	1.48	3.32	<0.101
PW-BG04@7'	04/04/22	7	7.20	0.544	0.890	0.343

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