

TABLE 1
BRYANT 9 & 34-30A 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)
AST-B01@3"	09/14/21	0.25	0.0	No Staining	No Odor	40.10620301	-105.0394587	1.2	No
AST-B02@3"	09/14/21	0.25	0.1	No Staining	No Odor	40.10618567	-105.0394297	1.2	Yes
AST-B03@3"	09/14/21	0.25	0.6	Oxidation	No Odor	40.10618472	-105.0394218	1.1	Yes
AST-B04@3"	09/14/21	0.25	0.5	No Staining	No Odor	40.10616874	-105.0393950	1.2	No
AST-B05@3"	09/14/21	0.25	0.0	No Staining	No Odor	40.106151126	-105.0394898	1.3	No
AST-B06@3"	09/14/21	0.25	0.1	Oxidation	No Odor	40.10613958	-105.0394582	1.2	Yes
AST-B07@3"	09/14/21	0.25	1.0	Oxidation	No Odor	40.106119813	-105.0394602	1.2	Yes
AST-B08@3"	09/14/21	0.25	0.2	No Staining	No Odor	40.106115515	-105.0394370	1.2	No
AST-B09@3"	09/14/21	0.25	5.2	Oxidation	No Odor	40.10610325	-105.0395242	1.2	Yes
AST-B10@3"	09/14/21	0.25	0.6	Oxidation	No Odor	40.10608242	-105.0394884	1.2	No
AST-B11@3"	09/14/21	0.25	3.9	Oxidation	No Odor	40.10607551	-105.0394874	1.3	Yes
AST-B12@3"	09/14/21	0.25	0.1	No Staining	No Odor	40.10606711	-105.0394561	1.0	No
AST-B13@3"	09/14/21	0.25	0.8	Oxidation	No Odor	40.10604495	-105.0395182	1.0	Yes
AST-B14@3"	09/14/21	0.25	0.2	Oxidation	No Odor	40.10602938	-105.0394886	1.0	No
AST-N01@3'	10/05/21	3	2.5	No Staining	No Odor	40.10609475	-105.0394671	1.2	Yes
AST-S01@3'	10/05/21	3	1.3	Organic Content	No Odor	40.10607939	-105.0394751	1.2	Yes
AST-E01@3'	10/05/21	3	1.9	No Staining	No Odor	40.10608549	-105.0394634	1.2	Yes
AST-W0@3'	10/05/21	3	0.9	No Staining	No Odor	40.10609209	-105.0394831	1.2	Yes

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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									
AST-BG01@3"	09/14/21	0.25	0.7	No Staining	No Odor	40.10623355	-105.0394144	1.0	Yes
AST-BG02@3"	09/14/21	0.25	0.8	No Staining	No Odor	40.10598406	-105.0395365	1.0	Yes
AST-BG03@3"	09/14/21	0.25	0.4	No Staining	No Odor	40.10601689	-105.0392389	1.0	Yes
AST-BG04@3"	09/14/21	0.25	0.4	No Staining	No Odor	40.10618559	-105.0396918	1.2	Yes

Notes:

ft. bgs = Feet below ground surface

PID = Photoionization detector

ppm = Parts per million

GPS = Global positioning system

PDOP = Position dilution of precision

TABLE 2
BRYANT 9 & 34-30A 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
AST-B02@3"	09/14/21	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	NA	NA
AST-B03@3"	09/14/21	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	NA	NA
AST-B06@3"	09/14/21	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	NA	NA
AST-B07@3"	09/14/21	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	74.8	<100	NA	NA
AST-B09@3"	09/14/21	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	NA	NA
AST-B11@3"	09/14/21	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	381	563	<0.00200	<0.00200
AST-B13@3"	09/14/21	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<0.200	<25.0	<100	NA	NA
AST-N01@3'	10/05/21	NA	NA	NA	NA	NA	<0.200	<25.0	<100	NA	NA
AST-S01@3'	10/05/21	NA	NA	NA	NA	NA	<0.200	<25.0	<100	NA	NA
AST-E01@3'	10/05/21	NA	NA	NA	NA	NA	<0.200	<25.0	<100	NA	NA
AST-W01@3'	10/05/21	NA	NA	NA	NA	NA	<0.200	<25.0	<100	NA	NA

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
BRYANT 9 & 34-30A 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
AST-B11@3"	09/15/21	<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

TABLE 4
BRYANT 9 & 34-30A 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
AST-B11@3"	09/15/21	1.21*	36.4	0.0417	<0.51	10.1	4.72	6.03	0.22	0.0283	23
BACKGROUND SOIL SAMPLING											
AST-BG01@3"	09/15/21	1.46	47.3	0.0457	<0.501	6.11	4.52	5.92	0.169	0.0184	18.7
AST-BG02@3"	09/15/21	1.95	52.7	0.0789	<0.5	15.5	6.11	6.86	0.263	0.0219	28.8
AST-BG03@3"	09/15/21	4.99	56	0.258	<0.5	7.8	4.98	8.56	0.347	0.0134	23.9
AST-BG04@3"	09/15/21	3.45	25.2	0.0843	<0.5	4.39	4.43	4.74	0.214	0.0229	16.8

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

TABLE 5
BRYANT 9 & 34-30A 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
AST-B11@3"	09/14/21	0.25	7.39	0.929	0.553	0.259
BACKGROUND SOIL SAMPLING						
AST-BG01@3"	09/14/21	0.25	7.61	0.127	0.339	<0.198
AST-BG02@3"	09/14/21	0.25	7.99	0.397	0.367	<0.199
AST-BG03@3"	09/14/21	0.25	7.80	0.230	0.268	<0.199
AST-BG04@3"	09/14/21	0.25	7.63	0.125	0.210	<0.198

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