

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"	11/08/23	0.25	0.1	No Staining	No Odor	40.10602519	-105.0394569	NA	No
AST-B02@3"	11/08/23	0.25	3.3	No Staining	No Odor	40.10602032	-105.0394362	1.0	Yes
PWV-B01@5'	11/08/23	5	0.1	No Staining	No Odor	40.10604322	-105.0395356	NA	Yes
PWV-N01@2'	11/08/23	2	0.1	No Staining	No Odor	40.10605701	-105.0395382	NA	No
PWV-S01@2'	11/08/23	2	0.1	No Staining	No Odor	40.10602794	-105.0395379	NA	No
PWV-E01@2'	11/08/23	2	0.1	No Staining	No Odor	40.10603590	-105.0395118	NA	Yes
PWV-W01@2'	11/08/23	2	0.1	No Staining	No Odor	40.10604258	-105.0395606	NA	No
MH-B01@3"	11/08/23	0.25	0.1	No Staining	No Odor	40.10580845	-105.0395169	NA	No
ECD-B01@3"	11/08/23	0.25	0.0	No Staining	No Odor	40.10571448	-105.0395796	NA	No
SEP3-B01@4'	11/08/23	4	0.3	No Staining	No Odor	40.10571989	-105.0397590	NA	Yes
SEP3-B02@4'	11/08/23	4	20.1	No Staining	No Odor	40.10570766	-105.0397000	NA	Yes
SEP4-B01@4'	11/08/23	4	0.1	No Staining	No Odor	40.10566948	-105.0397933	NA	Yes
SEP4-B02@4'	11/08/23	4	0.5	No Staining	No Odor	40.10565362	-105.0397367	NA	Yes
SEP5-B01@4'	11/08/23	4	0.0	No Staining	No Odor	40.10564176	-105.0396799	NA	Yes
SEP5-B02@4'	11/08/23	4	0.7	No Staining	No Odor	40.10562075	-105.0396286	NA	Yes
SEP1-B01@4'	11/09/23	4	55.7	No Staining	HC Odor	40.10581697	-105.0397263	NA	Yes
SEP1-B02@4'	11/09/23	4	513	No Staining	HC Odor	40.10580261	-105.0396485	NA	Yes
SEP2-B01@4'	11/09/23	4	5.2	No Staining	No Odor	40.10577182	-105.0397557	NA	Yes
SEP2-B02@4'	11/09/23	4	9.9	No Staining	No Odor	40.10575242	-105.0397033	NA	Yes
DL-B01@4'	11/09/23	4	1.2	Organic Content	No Odor	40.10571276	-105.0396820	NA	No
DL-B02@4'	11/09/23	4	1.4	No Staining	No Odor	40.10571241	-105.0395824	NA	No
BACKGROUND SOIL SAMPLING									
BG-01@2'	11/09/23	2	1.7	Organic Content	No Odor	40.10628156	-105.0393253	NA	Yes
BG-01@5'	11/09/23	5	1.9	Organic Content	No Odor	40.10628156	-105.0393253	NA	Yes
BG-02@2'	11/09/23	2	1.4	Organic Content	No Odor	40.10567860	-105.0394760	NA	Yes
BG-02@5'	11/09/23	5	0.6	No Staining	No Odor	40.10567860	-105.0394760	NA	Yes

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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)
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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

NA = GPS data not available

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)
ECMC standards for soil (mg/kg) ⁽¹⁾		0.0026	0.69	0.78	9.9	0.0038	500			0.0081	0.0087
ECMC standards for soil (mg/kg) ⁽²⁾		1.2	490	5.8	58	2	500			30	27
AST-B02@3"	11/08/23	<0.00200	<0.00200	<0.00200	0.00778	<0.009	0.546	363	160	0.00508	0.00892
PWV-B01@5'	11/08/23	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<0.200	<25.0	<100	<0.00200	<0.00200
PWV-E01@2'	11/08/23	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<0.200	<25.0	<100	<0.00200	<0.00200
SEP3-B01@4'	11/08/23	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<0.200	<25.0	<100	<0.00200	<0.00200
SEP3-B02@4'	11/08/23	<0.00200	0.00332	<0.00200	0.0145	<0.002	0.768	<25.0	<100	0.0141	0.00542
SEP4-B01@4'	11/08/23	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<0.200	<25.0	<100	<0.00200	<0.00200
SEP4-B02@4'	11/08/23	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<0.200	<25.0	<100	<0.00200	<0.00200
SEP5-B01@4'	11/08/23	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<0.200	<25.0	<100	<0.00200	<0.00200
SEP5-B02@4'	11/08/23	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<0.200	<25.0	<100	<0.00200	<0.00200
SEP1-B01@4'	11/09/23	0.00580	0.00442	<0.00200	0.00270	<0.002	0.207	<25.0	<100	<0.00200	<0.00200
SEP1-B02@4'	11/09/23	0.0326	0.238	0.103	1.47	0.150	84.4	62.1	<100	0.996	0.397
SEP2-B01@4'	11/09/23	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<0.200	<25.0	<100	<0.00200	<0.00200
SEP2-B02@4'	11/09/23	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<0.200	<25.0	<100	<0.00200	<0.00200

Notes:
(1) Standards for soil are taken from ECMC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021
(2) Standards for soil are taken from ECMC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021
ECMC = Colorado Energy and Carbon Management 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 ECMC Table 915-1 soil standards

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)
ECMC 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
ECMC 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-B02@3"	11/08/23	0.039	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.048	<0.020	0.094	0.164	0.009	<0.020
PWV-B01@5'	11/08/23	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.002	<0.020
PWV-E01@2'	11/08/23	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.002	<0.020
SEP3-B01@4'	11/08/23	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.002	<0.020
SEP3-B02@4'	11/08/23	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.004	0.011	<0.002	<0.020
SEP4-B01@4'	11/08/23	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.002	<0.020
SEP4-B02@4'	11/08/23	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.002	<0.020
SEP5-B01@4'	11/08/23	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.002	<0.020
SEP5-B02@4'	11/08/23	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.002	<0.020
SEP1-B01@4'	11/09/23	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.011	0.022	<0.002	<0.020
SEP1-B02@4'	11/09/23	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.077	<0.020	0.356	0.822	0.150	<0.020
SEP2-B01@4'	11/09/23	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.002	<0.020
SEP2-B02@4'	11/09/23	<0.020	<0.020	0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.002	<0.020

Notes:

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

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

ECMC = Colorado Energy and Carbon Management 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 ECMC Table 915-1 soil standards

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	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 standards for soil (mg/kg) ⁽¹⁾			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
ECMC standards for soil (mg/kg) ⁽²⁾			0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
Site-Specific Background Limits			6.3	171.25	0.33	NA	21.875	20.875	20.25	0.4575	0.1375	NA
AST-B02@3"	11/08/23	0.25	1.66*	42.7	<0.0929	<0.244	10.6	<9.29	<9.29	<0.0929	<0.0929	<92.9
PWV-B01@5'	11/08/23	5	3.32*	20.3	<0.0944	<0.244	<9.44	<9.44	<9.44	<0.0944	<0.0944	<94.4
PWV-E01@2'	11/08/23	2	3.69*	111*	<0.126	<0.244	13.5	9.35	10.7	0.116	<0.0851	<85.1
SEP3-B01@4'	11/08/23	4	3.16*	68.3	0.133	<0.244	<9.92	<9.92	10.7	0.102	<0.0992	<99.2
SEP3-B02@4'	11/08/23	4	3.72*	90.4*	0.120	<0.244	9.85	8.88	10.1	0.0875	<0.0866	<86.6
SEP4-B01@4'	11/08/23	4	7.03	57.1	0.217	<0.244	<9.54	<9.54	<9.54	0.137	<0.0954	<95.4
SEP4-B02@4'	11/08/23	4	3.27*	102	0.0897	<0.244	11.7	8.96	15.6	0.155	<0.0888	<88.8
SEP5-B01@4'	11/08/23	4	4.17*	72.0	0.217	<0.244	18.1	10.4	14.1	0.331*	<0.0849	<84.9
SEP5-B02@4'	11/08/23	4	3.76*	85.3*	0.196	<0.488	12.0	12.5	11.1	0.281*	0.108	<84.5
SEP1-B01@4'	11/09/23	4	3.07*	86.7*	0.111	<0.488	10.5	<9.87	11.7	0.174	<0.0987	<98.7
SEP1-B02@4'	11/09/23	4	2.58*	64.2	<0.0953	<0.244	<9.53	<9.53	<9.53	<0.0953	<0.0953	<95.3
SEP2-B01@4'	11/09/23	4	2.51*	62.9	<0.0985	<0.244	<9.85	<9.85	<9.85	<0.0985	<0.0985	<98.5
SEP2-B02@4'	11/09/23	4	2.80*	75.6	0.115	<0.244	9.47	<9.42	9.52	0.160	<0.0942	<94.2
BACKGROUND SOIL SAMPLING												
BG-01@2'	11/09/23	2	3.63	122	0.226	<0.488	14.3	12.8	14.7	0.305	<0.0839	<83.9
BG-01@5'	11/09/23	5	2.58	79.7	<0.0980	<0.488	<9.80	<9.80	13.5	0.150	<0.0980	<98.0
BG-02@2'	11/09/23	2	5.04	137	0.264	<0.244	17.5	16.7	16.2	0.366	0.110	<97.8
BG-02@5'	11/09/23	5	2.43	41.3	<0.0972	<0.244	<9.72	<9.72	<9.72	<0.0972	<0.0972	<97.2

Notes:

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

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

ECMC = Colorado Energy and Carbon Management 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 ECMC Table 915-1 soil standards

* Result exceeded the ECMC Table 915-1 standard, but was within the range of site-specific background concentrations x 1.25

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

NA = No background 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)
ECMC standards for soil (mg/kg) ⁽¹⁾			6 - 8.3	< 6	< 4	2
Site-Specific Background Limits			8.28 - 8.39	3.92	1.17	1.97
AST-B02@3"	11/08/23	0.25	7.59	5.35	1.45	0.464
PWV-B01@5'	11/08/23	5	7.80	0.210	0.0815	<0.100
PWV-E01@2'	11/08/23	2	7.52	0.114	0.0716	<0.0997
SEP3-B01@4'	11/08/23	4	8.16	0.166	0.174	0.139
SEP3-B02@4'	11/08/23	4	8.19	0.458	0.200	0.197
SEP4-B01@4'	11/08/23	4	8.04	0.998	0.113	<0.0996
SEP4-B02@4'	11/08/23	4	8.15	1.27	0.458	0.341
SEP5-B01@4'	11/08/23	4	8.04	3.11	3.72	0.818
SEP5-B02@4'	11/08/23	4	8.18	1.43	0.563	0.301
SEP1-B01@4'	11/09/23	4	8.24	0.610	0.518	0.452
SEP1-B02@4'	11/09/23	4	8.34*	0.401	0.281	0.365
SEP2-B01@4'	11/09/23	4	8.33*	0.315	0.198	0.189
SEP2-B02@4'	11/09/23	4	8.28	0.740	0.455	0.332
BACKGROUND SOIL SAMPLING						
BG-01@2'	11/09/23	2	8.28	1.32	0.666	<0.991
BG-01@5'	11/09/23	5	8.32	2.02	0.792	0.262
BG-02@2'	11/09/23	2	8.28	3.92	1.17	1.97
BG-02@5'	11/09/23	5	8.39	2.14	0.896	0.184

Notes:

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

ECMC = Colorado Energy and Carbon Management 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 ECMC Table 915-1 soil standards

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