

**TABLE 1**  
**ASBURY GAS UNIT 1**  
**SOIL SAMPLE FIELD DATA SUMMARY TABLE**  
**KERR-McGEE OIL AND GAS ONSHORE LP**

Sample Location	Date	Approximate Depth (feet bgs)	PID (ppm-v)	Visual Observation	Olfactory Observation	Latitude, Longitude	Submitted for Lab Analysis (Y/N)
<b>Wellhead Soil Samples</b>							
WH-B01 @ 5'	2/27/2024	5	0.1	N/S	N/O	40.16988906, -104.8815779	Y
WH-N01 @ 4'	2/27/2024	4	0.5	N/S	N/O	40.16990279, -104.8815765	N
WH-S01 @ 4'	2/27/2024	4	0.3	N/S	N/O	40.16987416, -104.8815761	N
WH-E01 @ 4'	2/27/2024	4	0.3	N/S	N/O	40.16988638, -104.8815585	N
WH-W01 @ 4'	2/27/2024	4	0.4	N/S	N/O	40.16988496, -104.8815973	N
WHS-N01 @ 3"	2/27/2024	0.25	0.5	N/S	N/O	40.16992417, -104.8815736	N
WHS-S01 @ 3"	2/27/2024	0.25	0.3	N/S	N/O	40.16985944, -104.8815902	N
WHS-E01 @ 3"	2/27/2024	0.25	0.3	N/S	N/O	40.1698837, -104.8815263	N
WHS-W01 @ 3"	2/27/2024	0.25	0.4	N/S	N/O	40.16988859, -104.8816251	N
<b>Flowline Soil Samples</b>							
FL-B01 @ 3'	2/27/2024	3	0.2	N/S	N/O	40.16987152, -104.8815686	Y
FL-B02 @ 4'	2/28/2024	4	1.8	N/S	N/O	40.16958091, -104.8814326	N
FL-B03 @ 4'	2/28/2024	4	3.3	N/S	N/O	40.16932347, -104.8813036	Y
<b>Wellhead Background Soil Samples</b>							
WH-BG01 @ 3'	2/27/2024	3	0.1	N/S	N/O	40.16988555, -104.8813198	Y
WH-BG01 @ 6'	2/27/2024	6	0.2	N/S	N/O	40.16988555, -104.8813198	Y
WH-BG02 @ 3'	2/27/2024	3	0.2	N/S	N/O	40.16996312, -104.8814544	Y
WH-BG02 @ 6'	2/27/2024	6	0.2	N/S	N/O	40.16996312, -104.8814544	Y
WH-BG03 @ 3'	2/27/2024	3	0.3	N/S	N/O	40.17000369, -104.881563	Y
WH-BG03 @ 6'	2/27/2024	6	1.1	N/S	N/O	40.17000369, -104.881563	Y
WH-BG04 @ 3'	2/27/2024	3	1.7	N/S	N/O	40.16998064, -104.8816859	Y
WH-BG04 @ 6'	2/27/2024	6	1.6	N/S	N/O	40.16998064, -104.8816859	Y
WH-BG05 @ 3'	2/27/2024	3	1.5	N/S	N/O	40.1698871, -104.8817499	Y
WH-BG05 @ 6'	2/27/2024	6	2.1	N/S	N/O	40.1698871, -104.8817499	Y
WH-BG06 @ 3'	2/27/2024	3	0.5	N/S	N/O	40.16978804, -104.8816637	Y
WH-BG06 @ 6'	2/27/2024	6	1.2	N/S	N/O	40.16978804, -104.8816637	Y

bgs = below ground surface

PID = photoionization detector

ppm-v = parts per million by volume

N/S = No Staining

N/O = No Odor

**TABLE 2**  
**ASBURY GAS UNIT 1**  
**SOIL SAMPLE RESULTS SUMMARY TABLE - VOCs**  
**KERR-McGEE OIL AND GAS ONSHORE LP**

Sample Location	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Naphthalene (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
ECMC standards for soil (mg/kg) <sup>(1)</sup>		0.0026	0.69	0.78	9.9	500			0.0038	0.0081	0.0087
ECMC standards for soil (mg/kg) <sup>(2)</sup>		1.2	490	5.8	58	500			2	30	27
Wellhead Soil Samples											
WH-B01 @ 5'	2/27/2024	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
Flowline Soil Samples											
FL-B01 @ 3'	2/27/2024	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
FL-B03 @ 4'	2/28/2024	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200

**Notes:**

<sup>(1)</sup> ECMC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021

<sup>(2)</sup> ECMC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021

ECMC = Energy & Carbon Management Commission

< = Analytical result is less than the laboratory reporting limit

mg/kg = milligrams per kilogram

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-ORO = Total petroleum hydrocarbons - oil range organics

TMB = Trimethylbenzene

**TABLE 3**  
**ASBURY GAS UNIT 1**  
**SOIL SAMPLE RESULTS SUMMARY TABLE - SOIL SUITABILITY FOR RECLAMATION**  
**KERR-McGEE OIL AND GAS ONSHORE LP**

Sample Location	Date	Depth (ft. bgs)	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
<i>ECMC standards for soil (mg/kg) <sup>(1)</sup></i>			6 - 8.3	<6	<4	2
<i>Site Specific Background Limits</i>			8.43			
<b>Wellhead Soil Samples</b>						
WH-B01 @ 5'	2/27/2024	5	8.30	0.631	0.376	<0.0991
<b>Flowline Soil Samples</b>						
FL-B01 @ 3'	2/27/2024	3	<b>8.36*</b>	0.718	0.421	0.229
FL-B03 @ 4'	2/28/2024	4	8.18	1.41	1.18	<0.0993
<b>Wellhead Background Soil Samples</b>						
WH-BG01 @ 3'	2/27/2024	3	8.34	1.97	0.672	0.102
WH-BG01 @ 6'	2/27/2024	6	8.31	2.18	0.413	0.192
WH-BG02 @ 3'	2/27/2024	3	8.17	1.31	0.284	<0.100
WH-BG02 @ 6'	2/27/2024	6	8.38	1.71	0.443	0.102
WH-BG03 @ 3'	2/27/2024	3	8.40	3.56	0.963	0.154
WH-BG03 @ 6'	2/27/2024	6	8.37	1.64	0.758	0.228
WH-BG04 @ 3'	2/27/2024	3	8.33	0.693	0.237	0.122
WH-BG04 @ 6'	2/27/2024	6	8.41	1.01	0.320	0.118
WH-BG05 @ 3'	2/27/2024	3	7.70	0.836	0.222	<0.101
WH-BG05 @ 6'	2/27/2024	6	8.38	1.23	0.414	<0.0991
WH-BG06 @ 3'	2/27/2024	3	8.43	1.35	0.374	0.162
WH-BG06 @ 6'	2/27/2024	6	8.32	1.35	0.330	0.131

**Notes:**

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

ECMC = Energy & 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 Absorption Ratio

EC = Electrical Conductivity

Values presented in **BOLD** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations

Values presented in **BOLD\*** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations, but were within site-specific background limits.

**TABLE 4**  
**ASBURY GAS UNIT 1**  
**SOIL SAMPLE RESULTS SUMMARY TABLE - PAHs**  
**KERR-McGEE OIL AND GAS ONSHORE LP**

Sample Location	Date	1-Methyl-naphthalene (mg/kg)	2-Methyl-naphthalene (mg/kg)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)-anthracene (mg/kg)	Benzo(a)-pyrene (mg/kg)	Benzo(b)-fluoranthene (mg/kg)	Benzo(k)-fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)-anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Ideno(1,2,3-cd)-pyrene (mg/kg)	Pyrene (mg/kg)
<i>ECMC standards for soil (mg/kg)<sup>(1)</sup></i>		0.006	0.019	0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3
<i>ECMC standards for soil (mg/kg)<sup>(2)</sup></i>		18	24	360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180
<b>Wellhead Soil Samples</b>															
WH-B01 @ 5'	2/27/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
<b>Flowline Soil Samples</b>															
FL-B01 @ 3'	2/27/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
FL-B03 @ 4'	2/28/2024	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

**Notes:**

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

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

ECMC = Energy & Carbon Management Commission

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

mg/kg = milligrams per kilogram

PAH = Polycyclic Aromatic Hydrocarbons

**TABLE 5**  
**ASBURY GAS UNIT 1**  
**SOIL SAMPLE RESULTS SUMMARY TABLE - METALS**  
**KERR-McGEE OIL AND GAS ONSHORE LP**

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)
<i>ECMC standards for soil (mg/kg) <sup>(1)</sup></i>		<b>0.29</b>	<b>82</b>	<b>0.38</b>	<b>0.00067</b>	<b>46</b>	<b>14</b>	<b>26</b>	<b>0.26</b>	<b>0.8</b>	<b>370</b>
<i>ECMC standards for soil (mg/kg) <sup>(2)</sup></i>		<b>0.68</b>	<b>15,000</b>	<b>71</b>	<b>0.3</b>	<b>3,100</b>	<b>400</b>	<b>1,500</b>	<b>390</b>	<b>390</b>	<b>23,000</b>
<i>Site Specific Background Limits</i>		<b>7.225</b>									
<b>Wellhead Soil Samples</b>											
WH-B01 @ 5'	2/27/2024	<b>1.97*</b>	40.5	0.109	*<0.502	<9.83	5.30	5.72	<0.256	<0.0983	<36.4
<b>Flowline Soil Samples</b>											
FL-B01 @ 3'	2/27/2024	<b>2.13*</b>	62.9	0.267	*<0.5	8.98	9.51	7.21	<0.225	<0.0865	37.6
FL-B03 @ 4'	2/28/2024	<b>1.62*</b>	52.8	0.0989	*<0.5	<8.60	7.32	7.57	<0.224	<0.0860	<31.8
<b>Wellhead Background Soil Samples</b>											
WH-BG01 @ 3'	2/27/2024	2.24	50.0	<0.0913	<0.5	<9.13	4.33	7.59	<0.237	<0.0913	<33.8
WH-BG01 @ 6'	2/27/2024	3.26	78.5	<0.0944	<0.5	<9.44	6.87	10.2	<0.245	<0.0944	37.8
WH-BG02 @ 3'	2/27/2024	1.56	47.9	<0.0887	<0.5	<8.87	3.56	5.88	<0.231	<0.0887	<32.8
WH-BG02 @ 6'	2/27/2024	1.46	39.7	<0.0868	<0.5	<8.68	3.93	5.97	<0.226	<0.0868	<32.1
WH-BG03 @ 3'	2/27/2024	5.69	107	0.104	<0.5	14.1	12.8	13.8	0.654	<0.0897	73.2
WH-BG03 @ 6'	2/27/2024	5.78	162	0.158	<0.502	18.2	27.2	18.0	1.15	<0.0965	82.7
WH-BG04 @ 3'	2/27/2024	1.85	45.6	<0.0991	<0.5	<9.91	5.05	6.69	<0.258	<0.0991	<36.7
WH-BG04 @ 6'	2/27/2024	2.68	70.3	<0.0983	<0.5	<9.83	5.52	8.42	<0.256	<0.0983	<36.4
WH-BG05 @ 3'	2/27/2024	2.04	57.0	<0.0943	<0.5	<9.43	5.30	7.71	<0.245	<0.0943	<34.9
WH-BG05 @ 6'	2/27/2024	1.52	52.7	<0.0843	<0.5	<8.43	4.37	6.10	<0.219	<0.0843	<31.2
WH-BG06 @ 3'	2/27/2024	2.62	107	<0.0944	<0.5	<9.44	5.10	7.13	<0.245	<0.0944	<34.9
WH-BG06 @ 6'	2/27/2024	1.47	42.3	<0.0891	<0.51	<8.91	4.25	6.68	<0.232	<0.0891	<33.0

**Notes:**

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

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

ECMC = Energy & Carbon Management Commission

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

\* = compound is in accordance with the ECMC Table 915-1 Footnote 9.

Values presented in **BOLD\*** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations, but were within site-specific background limits.



**TABLE 6**  
**ASBURY GAS UNIT 1**  
**GROUNDWATER RESULTS SUMMARY TABLE - VOCs**  
**KERR-McGEE OIL AND GAS ONSHORE LP**

Sample Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4- Trimethylbenzene (µg/L)	1,3,5- Trimethylbenzene (µg/L)
<b>ECMC Standards for Groundwater (µg/L) <sup>(1)</sup></b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1400</b>	<b>140</b>	<b>67</b>	<b>67</b>
GW-01	2/27/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00

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

ECMC = Energy & Carbon Management Commission

µg/L = micrograms per liter

< = Analytical result is less than the laboratory reporting limit

**TABLE 7**  
**ASBURY GAS UNIT 1**  
**SOIL VAPOR DATA SUMMARY TABLE**  
**KERR-McGEE OIL AND GAS ONSHORE LP**

Soil Vapor Point ID	Date	Time	Methane (%)	Carbon Dioxide (%)	Carbon Monoxide (PPM)	Oxygen (%)	Hydrogen Sulfide (PPM)	Sample Collected (Y or N)
SVP-01 @ 5'	4/2/2024	No reading - pump flow failure						
SVP-02 @ 5'	4/2/2024	1422	0	0.5	1	21.0	1	N
SVP-03 @ 5'	4/2/2024	No reading - pump flow failure						

% = percentage

ppm = parts per million