

TABLE 1
FOUNDATION ENERGY
SOONER 13-16
SOIL EXCAVATION ANALYTICAL DATA

Sample ID	Date Sampled	PID Readings (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	DRO (mg/kg)	GRO (mg/kg)	TPH ⁽²⁾ (mg/kg)	pH (s.u.)	EC (mmhos/cm)	SAR
SP-1 Surface	7/24/2014	NC	<0.0020	<0.0050	<0.0050	<0.0050	12000	73	12073	7.40	1.74	4.89
SP-1 3'bgs	7/24/2014	NC	<0.0020	<0.0050	<0.0050	<0.0050	650	14	664	7.32	6.15	9.09
SP-1 5'bgs	7/24/2014	NC	<0.0020	<0.0050	<0.0050	<0.0050	320	16	336	7.63	2.87	6.82
SP-1 10'bgs	7/24/2014	NC	<0.0020	<0.0050	<0.0050	<0.0050	1700	60	1760	7.01	1.38	2.62
SP-2 Surface	7/24/2014	NC	<0.0020	<0.0050	<0.0050	<0.0050	7200	6.1	7206.1	7.05	1.32	2.08
SP-2 3'bgs	7/24/2014	NC	<0.0020	<0.0050	<0.0050	<0.0050	<50	<0.50	<50	7.41	8.32	10.3
SP-2 5'bgs	7/24/2014	NC	<0.0020	<0.0050	<0.0050	<0.0050	400	8.6	408.6	7.91	2.26	4.71
SP-2 10'bgs	7/24/2014	NC	<0.0020	<0.0050	0.072	1.3	650	750	1400	7.15	1.37	0.670
SP-3 Surface	7/24/2014	NC	<0.0020	<0.0050	<0.0050	<0.0050	<50	<0.50	<50	7.40	1.40	140
SP-3 3'bgs	7/24/2014	NC	<0.0020	<0.0050	<0.0050	<0.0050	<50	<0.50	<50	7.60	10.6	12
SP-3 5'bgs	7/24/2014	NC	<0.0020	<0.0050	<0.0050	<0.0050	<50	<0.50	<50	7.92	3.53	5.96
SP-3 10'bgs	7/24/2014	NC	<0.0020	<0.0050	<0.0050	<0.0050	<50	<0.50	<50	7.51	1.34	2
SP-4 Surface	7/24/2014	NC	<0.0020	<0.0050	<0.0050	<0.0050	4100	0.53	4100.53	8.01	2.46	8.19
SP-4 3'bgs	7/24/2014	NC	<0.0020	<0.0050	<0.0050	<0.0050	<50	<0.50	<50	8.00	3.48	5.05
SP-4 5'bgs	7/24/2014	NC	<0.0020	<0.0050	<0.0050	<0.0050	<50	<0.50	<50	8.00	1.72	7.05
SP-4 10'bgs	7/24/2014	NC	<0.0020	<0.0050	<0.0050	<0.0050	<50	0.63	0.63	7.43	1.02	1.03
SP-5 Surface	7/24/2014	NC	<0.0020	<0.0050	<0.0050	<0.0050	3600	<0.50	3600	7.61	2.90	5.23
SP-5 3'bgs	7/24/2014	NC	<0.0020	<0.0050	<0.0050	<0.0050	1400	12	1412	7.55	4.02	4.84
SP-5 5'bgs	7/24/2014	NC	<0.0020	<0.0050	<0.0050	<0.0050	3300	7.2	3307.2	7.21	9.72	5.86
SP-5 10'bgs	7/24/2014	NC	<0.0020	<0.0050	<0.0050	<0.0050	480	3.4	483.4	7.45	1.34	1.90
Background	7/24/2014	NC	NA	NA	NA	NA	NA	NA	NA	7.35	0.709	0.0700
SP6@SURFACE	1/15/2015	2.5	<0.10	<10	<10	<10	<50	<50	<50	NA	NA	NA
SP7@5'	1/15/2015	0.4	<0.10	<10	<10	<10	<50	<50	<50	NA	NA	NA
SP8@7'	1/15/2015	0.3	<0.10	<10	<10	<10	<50	<50	<50	NA	NA	NA
SP9@5'	1/15/2015	0.3	<0.10	<10	<10	<10	<50	<50	<50	NA	NA	NA
SP10@10'	1/15/2015	0.1	<0.10	<10	<10	<10	<50	<50	<50	NA	NA	NA
SP11@SURFACE	1/15/2015	0.0	<0.10	<10	<10	<10	<50	<50	<50	7.94	1.59	7.70
SP12@5	1/19/2015	0.0	NA	NA	NA	NA	<50	NA	NA	NA	NA	NA
SP13@5	1/19/2015	7.1	NA	NA	NA	NA	710	NA	NA	NA	NA	NA
SP14@5	1/19/2015	6.5	NA	NA	NA	NA	<50	NA	NA	NA	NA	NA
SP15@10	1/19/2015	18.2	NA	NA	NA	NA	68	NA	NA	NA	NA	NA
SP16@5	1/19/2015	0.7	NA	NA	NA	NA	<50	NA	NA	NA	NA	NA
SP17@5	1/19/2015	13.3	NA	NA	NA	NA	<50	NA	NA	NA	NA	NA
SP18@5	1/20/2015	1.2	NA	NA	NA	NA	<50	NA	NA	NA	NA	NA
COGCC standards for Soil ⁽¹⁾			0.17	85	100	175	500	500	500	6-9	< 4mmhos/cm or 2xBackground	< 12

Notes:

1). Standards for soil are taken from 2 CCR 404-1, Table 910-1, effective February 1, 2014.

2). TPH - Total volatile and extractable petroleum hydrocarbons. Value calculated by adding GRO and DRO concentrations.

Bold red values indicate an exceedance of the COGCC soil standards.

< - Analytical result is less than the indicated laboratory reporting limit

GRO - Gasoline range organics

mmhos/cm -

Millimhos per centimeter

EC - Specific conductance

DRO - Diesel range organics

SAR -

Sodium adsorption ratio

s.u. - Standard units

mg/kg - Milligrams per kilogram

NA - Not analyzed

ppm - Parts per million

NC - Not collected