

TABLE 1
SOIL ANALYTICAL RESULTS
MOSER #2 SPREADFIELD
WELD COUNTY, COLORADO
BILL BARRETT CORPORATION

PARAMETER	COGCC Table 910-1 Concentration Levels	UNITS	Sample ID: C01	Sample ID: C02	Sample ID: C03	Sample ID: C04
Sample Date			6/29/2016	6/29/2016	6/29/2016	6/29/2016
Sample Type			Closure	Closure	Closure	Closure
Arsenic	0.39	mg/kg	0.97	1.49	1.65	1.07
Barium	15,000	mg/kg	42.8	164	135	174
Cadmium	70	mg/kg	0.121	0.212	0.146	0.123
Chromium (III)	120,000	mg/kg	3.68	5.04	5.07	3.79
Chromium (VI)	23	mg/kg	<0.300	<0.300	<0.300	<0.300
Copper	3,100	mg/kg	7.24	11.3	11.2	7.24
Lead	400	mg/kg	4.81	8.45	7.05	6.26
Mercury	23	mg/kg	<0.0416	<0.0402	<0.0507	<0.0504
Nickel	1,600	mg/kg	3.29	5.16	4.93	3.72
Selenium	390	mg/kg	0.446	0.412	<0.406	<0.403
Silver	390	mg/kg	<0.101	<0.101	<0.101	<0.101
Zinc	23,000	mg/kg	21.0	24.1	25.9	22.3
EC	4.0	mmhos/cm	0.272	0.368	0.437	0.482
pH	6 - 9	SU	7.74	8.08	8.13	8.07
SAR	12	unitless	0.138	0.226	0.102	0.146
Benzene	0.17	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050
Toluene	85	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050
Ethylbenzene	100	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050
Total Xylenes	175	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050
TPH-GRO		mg/kg	<0.50	<0.50	<0.50	<0.50
TPH-DRO		mg/kg	<50	<50	<50	<50
Total TPH	500	mg/kg	<50	<50	<50	<50
Acenaphthene	1,000	mg/kg	<0.00500	<0.00500	<0.00500	<0.00500
Anthracene	1,000	mg/kg	<0.00500	<0.00500	<0.00500	<0.00500
Benzo(A)anthracene	0.22	mg/kg	<0.00500	<0.00500	<0.00500	<0.00500
Benzo(B)fluoranthene	0.22	mg/kg	<0.00500	<0.00500	<0.00500	<0.00500
Benzo(K)fluoranthene	2.2	mg/kg	<0.00500	<0.00500	<0.00500	<0.00500
Benzo(A)pyrene	0.022	mg/kg	<0.00500	<0.00500	<0.00500	<0.00500
Chrysene	22	mg/kg	<0.00500	<0.00500	<0.00500	<0.00500
Dibenzo(A,H)anthracene	0.022	mg/kg	<0.0100	<0.0100	<0.0100	<0.00500
Fluoranthene	1,000	mg/kg	<0.00500	<0.00500	<0.00500	<0.00500
Fluorene	1,000	mg/kg	<0.00500	<0.00500	<0.00500	<0.00500
Indeno(1,2,3-cd)pyrene	0.22	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050
Naphthalene	23	mg/kg	<0.010	<0.010	<0.010	<0.010
Pyrene	1,000	mg/kg	<0.00500	<0.00500	<0.00500	<0.00500

NOTES:

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter in saturated paste extract

EC - electrical conductivity

SU - standard unit on saturated paste

SAR - sodium adsorption ratio

TPH-DRO - total petroleum hydrocarbons-diesel range organics

TPH-GRO - total petroleum hydrocarbons-gasoline range organics

Total TPH - combination of TPH-DRO and TPH-GRO

< - less than the stated reporting limit

-- - not analyzed

BOLD - indicates result exceeds the Colorado Oil and Gas Conservation Commission (COGCC) Table 910-1

