

TABLE 1
FEDERAL 10-1-101
SOIL ANALYTICAL RESULTS
PIT CONFIRMATION SAMPLES
RIO BLANCO COUNTY, COLORADO
MERRION OIL AND GAS CORP.

PARAMETER	COGCC CONCENTRATION LEVELS	UNITS	PB01 2FT	BG01 6IN	BG02 6IN	BG03 6IN	BG04 6IN
Sample Date			10/15/2014	10/15/2014	10/15/2014	10/15/2014	10/15/2014
Sample Type			Confirmation	Background	Background	Background	Background
Arsenic	0.39	mg/kg	2.4	8.8	4.0	7.5	4.8
Barium	15,000	mg/kg	54	NA	NA	NA	NA
Cadmium	70	mg/kg	<0.50	NA	NA	NA	NA
Chromium (III)	120,000	mg/kg	4.6	NA	NA	NA	NA
Chromium (VI)	23	mg/kg	<2.0	NA	NA	NA	NA
Copper	3,100	mg/kg	4.4	NA	NA	NA	NA
Lead	400	mg/kg	3.7	NA	NA	NA	NA
Mercury	23	mg/kg	<0.020	NA	NA	NA	NA
Nickel	1,600	mg/kg	5.3	NA	NA	NA	NA
Selenium	390	mg/kg	<2.0	NA	NA	NA	NA
Silver	390	mg/kg	<1.0	NA	NA	NA	NA
Zinc	23,000	mg/kg	18	NA	NA	NA	NA
EC	4.0	mmhos/cm	0.340	NA	NA	NA	NA
pH	6 - 9	SU	6.9	NA	NA	NA	NA
SAR	12	unitless	0.034	NA	NA	NA	NA
TPH-GRO		mg/kg	<5.0	NA	NA	NA	NA
TPH-DRO		mg/kg	100	NA	NA	NA	NA
TPH		mg/kg	100	NA	NA	NA	NA
Benzene	0.17	mg/kg	<0.025	NA	NA	NA	NA
Toluene	85	mg/kg	<0.25	NA	NA	NA	NA
Ethylbenzene	100	mg/kg	<0.025	NA	NA	NA	NA
Total Xylenes	175	mg/kg	0.12	NA	NA	NA	NA
Acenaphthene	1000	mg/kg	<0.0060	NA	NA	NA	NA
Anthracene	1000	mg/kg	<0.0060	NA	NA	NA	NA
Benzo(A)anthracene	0.22	mg/kg	<0.0060	NA	NA	NA	NA
Benzo(B)fluoranthene	0.22	mg/kg	<0.0060	NA	NA	NA	NA
Benzo(K)fluoranthene	2.2	mg/kg	<0.0060	NA	NA	NA	NA
Benzo(A)pyrene	0.022	mg/kg	<0.0060	NA	NA	NA	NA
Chrysene	22	mg/kg	<0.0060	NA	NA	NA	NA
Dibenzo(A,H)anthracene	0.022	mg/kg	<0.0060	NA	NA	NA	NA
Fluoranthene	1000	mg/kg	<0.0060	NA	NA	NA	NA
Fluorene	1000	mg/kg	<0.0060	NA	NA	NA	NA
Indeno(1,2,3,C,D)pyrene	0.22	mg/kg	<0.0060	NA	NA	NA	NA
Naphthalene	23	mg/kg	<0.020	NA	NA	NA	NA
Pyrene	1000	mg/kg	<0.0060	NA	NA	NA	NA

NOTES:

< - less than the stated reporting limit

BOLD - indicates result exceeds the COGCC concentration level

COGCC - Colorado Oil and Gas Conservation Commission

EC- electrical conductivity

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter

NA - not analyzed

SU - standard unit

TPH-GRO - total petroleum hydrocarbons-gasoline range organics

TPH-DRO - total petroleum hydrocarbons-diesel range organics

TPH - combination of TPH-GRO and TPH-DRO