

TABLE 1
1K
SOIL ANALYTICAL RESULTS
NOBLE ENERGY
GARFIELD COUNTY, COLORADO

PARAMETER	COGCC CONCENTRATION LEVELS	UNITS	NEW@12' bgs	NW@10' bgs	NB@17' bgs	NWW@10' bgs	SW@15'bgs	SB@18'bgs
Sample Date			2/24/2014	2/24/2014	2/24/2014	2/24/2014	2/28/2014	2/28/2014
Sample Type			Confirmation	Confirmation	Confirmation	Confirmation	Confirmation	Confirmation
Arsenic	0.39	mg/kg	6.50	3.60	8.32	8.03	5.57	3.79
EC	4.0	mmhos/cm	1.28	1.77	3.59	3.89	5.40	2.66
pH	6 - 9	SU	9.18	9.28	8.66	9.13	9.33	9.58
SAR	12	unitless	12.9	20.4	33.2	24.7	17.7	16.8
TPH-GRO		mg/kg	<0.50	2.1	<0.50	<0.50	<0.50	3.2
TPH-DRO		mg/kg	<50	<50	<50	<50	<50	99
TPH	500	mg/kg	<50.5	2.1	<50.5	<50.5	<50.5	102.2
Benzene	0.17	mg/kg	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Toluene	85	mg/kg	<0.0050	0.011	<0.0050	<0.0050	<0.0050	<0.0050
Ethylbenzene	100	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Total Xylenes	175	mg/kg	<0.0050	0.055	<0.0050	<0.0050	<0.0050	0.024

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

SAR - Sodium Adsorption Ratio

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

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PARAMETER	COGCC CONCENTRATION LEVELS	UNITS	SWW@16'bgs	SEW@17.5'bgs	MB@20.5'bgs	BGSE01	BGNE01
Sample Date			2/28/2014	3/4/2014	3/4/2014	2/24/2014	2/24/2014
Sample Type			Confirmation	Confirmation	Confirmation	Background	Background
Arsenic	0.39	mg/kg	10.1	7.79	8.74	11.0	14.9
EC	4.0	mmhos/cm	2.62	5.22	5.41	NA	NA
pH	6 - 9	SU	9.32	8.59	7.3	NA	NA
SAR	12	unitless	18.8	28.5	17.4	NA	NA
TPH-GRO		mg/kg	18	<0.50	<0.50	NA	NA
TPH-DRO		mg/kg	230	<50	<50	NA	NA
TPH	500	mg/kg	248	<50.5	<50.5	NA	NA
Benzene	0.17	mg/kg	<0.0020	<0.0020	<0.0020	NA	NA
Toluene	85	mg/kg	<0.0050	<0.0050	<0.0050	NA	NA
Ethylbenzene	100	mg/kg	<0.0050	<0.0050	<0.0050	NA	NA
Total Xylenes	175	mg/kg	0.044	<0.0050	0.021	NA	NA

NOTES:

< - less than the stated reporting limit

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NA - not analyzed

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TPH-GRO - total petroleum hydrocarbons-gasoline range organics

TPH-DRO - total petroleum hydrocarbons-diesel range organics

TPH - combination of TPH-GRO and TPH-DRO