

TABLE 1  
SOIL SAMPLE ANALYTICAL RESULTS  
OLIN STATE L 16-20  
WELD COUNTY, COLORADO  
KERR-MCGEE OIL & GAS ONSHORE LP

Sample ID	Sample Date	Sample Depth (feet bgs)	Photoionization Detector Reading (ppm)	TPH-GRO (C6-C10) Low Fraction (mg/kg)	TPH-DRO (C10-C28) High Fraction (mg/kg)	TPH-RRO (C28-C40) High Fraction (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes - total (mg/kg)	Naphthalene (mg/kg)	EC (Specific Conductance) (mmhos/cm)	pH (units)	SAR (Sodium Adsorption Ratio) (calculation)
*B01@5.5	1/8/2020	5.5	0.4	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	0.100	8.55	3.30
*S01@4	1/8/2020	4	0.1	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA	NA
*W01@4	1/8/2020	4	0.0	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA	NA
*N01@4	1/8/2020	4	3.4	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA	NA
*E01@4	1/8/2020	4	0.1	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA	NA
BKG@0.5	1/8/2020	0.5	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COGCC Allowable Concentration				500			0.17	85	100	175	23	<4 or 2x background	6-9	12

Notes:

TPH = Total Petroleum Hydrocarbons  
GRO = Gasoline Range Organics (C6-C10)  
DRO = Diesel Range Organics (C10-C28)  
RRO = Residual Range Organics (C28-C36)  
mg/kg = milligrams per kilogram  
ppm = parts per million

mmhos/cm = millimhos per centimeter  
COGCC = Colorado Oil and Gas Conservation Commission  
bgs = below ground surface  
\* Sample was collected below the designated root zone (>3' bgs)  
**BOLD** = Indicates results exceeded COGCC Table 910-1 allowable concentration  
NA = Not analyzed