

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
HSR-REDER 5-13
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)
N01@3'	1/31/2020	3	0.6	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA	NA
S01@3'	1/31/2020	3	5.0	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA	NA
E01@3'	1/31/2020	3	0.6	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA	NA
W01@3'	1/31/2020	3	0.5	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA	NA
*B01@6.5'	1/31/2020	6.5	63	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	0.172	7.80	1.70
Background	1/31/2020	0.5	0.2	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