

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
HSR-BANGS 9-17A
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@7	12/20/2019	7	985.9	557	888	<100	2.70	28.6	4.16	64.1	0.773	0.270	7.69	7.21
*S01@4.5	12/20/2019	4.5	126.3	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA	NA
*W01@4.5	12/20/2019	4.5	90.7	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA	NA
*N01@4.5	12/20/2019	4.5	488.5	89.1	289	<100	<0.050	0.064	0.202	4.38	0.202	NA	NA	NA
*E01@4.5	12/20/2019	4.5	971.8	1090	993	190	1.09	0.143	4.9	117	1.18	NA	NA	NA
BKG01@0.5	12/20/2019	0.5	11.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
*B02@19'	1/31/2020	19	1050	1220	516	<100	3.76	15.6	6.93	97.3	<2.00	0.197	7.04	3.40
*W02@15	2/5/2020	15	0	5.52	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA	NA
*S02@15	2/5/2020	15	0	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA	NA
*B03@19	2/5/2020	19	889.1	226	203	<100	<0.050	<0.050	<0.050	<0.050	<0.200	0.251	8.34	3.08
*E03@15	2/5/2020	15	974.4	4640	1490	157	0.106	0.113	3.79	119	1.43	NA	NA	NA
*E02@15	2/5/2020	15	1014	3580	842	123	6.43	18.6	8.47	136	0.813	NA	NA	NA
*N02@15	2/5/2020	15	355.5	2540	529	<100	8.03	0.078	6.82	93.2	0.610	NA	NA	NA
*N03@15'	2/6/2020	15	2.2	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA	NA
*W03@15'	2/6/2020	15	16.9	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	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

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*N04@15'	2/12/2020	15	0	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA	NA
*E04@15'	2/12/2020	15	2.1	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA	NA
*B04@19'	2/12/2020	19	6.2	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	0.213	8.03	4.44
*B05@19'	2/12/2020	19	286.9	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	0.204	8.14	2.44
*E05@15'	2/12/2020	15	0.4	<5.00	<25.0	<100	<0.050	<0.050	<0.050	<0.050	<0.200	NA	NA	NA
*S03@15'	2/12/2020	15	0.1	<10.0	<25.0	<100	<0.100	<0.100	<0.100	<0.100	<0.400	NA	NA	NA
COGCC Allowable Concentration				500			0.17	85	100	175	23	<4 or 2x background	6-9	12

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