

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
JACK BERGER C #1
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Soil Sample ID	Depth (bgs)	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	DRO (mg/kg)	GRO (mg/kg)	ORO (mg/kg)	pH (su)	Specific Conductance (mmhos/cm)
B01 @ 6'	6'	12/11/2015	1.21	0.218	0.392	1.18	620	400	210	8.68	0.202
E01 @ 3'	3'	12/11/2015	<0.050	0.075	<0.050	1.10	130	21.6	330	8.59	0.236
N01 @ 3'	3'	12/11/2015	<0.050	0.087	<0.050	0.788	<25	12.9	<100	9.12 †	0.280
S01 @ 3'	3'	12/11/2015	<0.002	<0.002	<0.002	<0.002	<25	0.211	<100	8.86	0.0481
W01 @ 3'	3'	12/11/2015	0.009	0.034	0.009	0.304	<25	2.90	<100	8.68	0.236
B02 @ 8.5'	8.5'	12/17/2015	0.146	1.77	0.180	0.126	620	88.1	100	8.53	0.221
TB-B01 @ 11'	11'	02/18/2016	2.78	0.078	21.6	12.0	2300	1700	<100	8.10	0.112
TB-E01 @ 7'	7'	02/18/2016	0.142	<0.050	3.12	0.807	1900	256	170	8.37	0.0903
TB-N01 @ 7'	7'	02/18/2016	<0.050	<0.050	<0.050	<0.050	52	76.3	<100	7.98	0.329
TB-S01 @ 7'	7'	02/18/2016	0.005	<0.002	<0.002	0.011	<25	1.33	<100	7.80	0.282
TB-W01 @ 7'	7'	02/18/2016	<0.050	<0.050	0.074	0.382	1000	222	<100	8.08	0.185
SB01 @ 8'	8'	02/25/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.40	0.153
SB02 @ 8'	8'	02/25/2016	<0.002	<0.002	<0.002	0.005	<25	<0.200	<100	8.60	0.109
SB03 @ 8'	8'	02/25/2016	<0.050	<0.050	0.052	<0.050	1300	262	210	8.26	0.122
SB04 @ 8'	8'	02/25/2016	0.096	<0.050	<0.050	<0.050	350	363	<100	8.18	0.131
SB05 @ 6'	6'	02/25/2016	<0.050	<0.050	<0.050	<0.050	<25	67.3	<100	8.32	0.146
SB06 @ 6'	6'	03/01/2016	0.125	<0.050	<0.050	<0.050	<25	19.4	<100	8.71	0.137
SB07 @ 6'	6'	03/01/2016	<0.050	<0.050	<0.050	<0.050	<25	<5.00	<100	8.06	0.201
SB08 @ 8'	8'	03/01/2016	0.897	0.075	1.97	<0.050	150	375	<100	8.22	0.118
SB09 @ 8'	8'	03/01/2016	2.21	<0.050	0.353	<0.050	500	1000	150	8.36	0.117



TABLE 1 (Continued)
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Soil Sample ID	Depth (bgs)	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	DRO (mg/kg)	GRO (mg/kg)	ORO (mg/kg)	pH (su)	Specific Conductance (mmhos/cm)
SB11 @ 6'	6'	03/01/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	7.75	0.120
COGCC Allowable Levels			0.17	85	100	175	500*	500*	500*	6-9	4

Notes: bgs - below ground surface

COGCC - Colorado Oil and Gas Conservation Commission

DRO - diesel range organics

GRO - gasoline range organics

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter

ORO - oil range organics

su - standard units

TPH - total petroleum hydrocarbons

† - Sample was collected below the designated root zone (greater than 3' bgs)

* - TPH standard applies to combined DRO-GRO-ORO

< - less than laboratory reporting limit

Bold - indicates result exceeds allowable level

TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
JACK BERGER C #1
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth Water/ (Product Thickness) (ft bgs)
GW01	12/18/2015	1990	55.0	20.3	25.5	9.00
SB01GW	02/26/2016	89.9	<4.0	462	1700	12.00
SB02GW	02/26/2016	<4.0	<4.0	<4.0	<4.0	10.00
SB03GW	02/26/2016	3850	<4.0	178	<4.0	10.00
SB04GW	02/26/2016	259	<4.0	10.2	<4.0	10.00
SB05GW	02/26/2016	88.0	<4.0	4.3	<4.0	8.00
SB06GW	03/02/2016	2980	<4.0	<4.0	<4.0	8.00
SB07GW	03/02/2016	32.9	<4.0	5.7	<4.0	8.00
SB08GW	03/02/2016	2900	<4.0	38.4	<4.0	10.00
SB09GW	03/02/2016	860	<4.0	33.3	<4.0	10.00
SB11GW	03/02/2016	7.8	<4.0	<4.0	<4.0	8.00
COGCC Allowable Levels		5	1000	700	1400	

Notes: COGCC - Colorado Oil and Gas Conservation Commission
ft bgs - feet below ground surface
NA - not analyzed/not available
NM - not measured

µg/L - micrograms per liter
< - less than laboratory reporting limit
Bold indicates result exceeds allowable level.
Excavation groundwater depth is approximate.

