

TABLE 1-1
SOIL SAMPLE ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS AND TOTAL PETROLEUM HYDROCARBONS
CLACK 1-2A, OLSON 2-2
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	TPH-GRO ⁺ (mg/kg)	TPH-DRO ⁺ (mg/kg)	TPH-RRO ⁺ (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	1,2,4- Trimethyl benzene (mg/kg)	1,3,5- Trimethyl benzene (mg/kg)	Naphthalene (mg/kg)
Groundwater Protection Values (GPV)			500	500	500	0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038
SOIL BORING SAMPLES												
SB01@5'	8/4/2015	5	<25	67	<100	<0.050	<0.050	<0.050	<0.050	NA	NA	NA
SB02@1'	8/4/2015	1	<25	<25	<100	<0.002	<0.002	<0.002	<0.002	NA	NA	NA
SB02@5'	8/4/2015	5	<25	38	<100	<0.050	<0.050	<0.050	<0.050	NA	NA	NA
SB03@1'	8/4/2015	1	<25	<25	<100	<0.002	<0.002	<0.002	<0.002	NA	NA	NA
SB04@3'	8/4/2015	3	<25	<25	<100	<0.002	<0.002	<0.002	<0.002	NA	NA	NA
SB05@3'	8/4/2015	3	<25	<25	<100	<0.002	<0.002	<0.002	<0.002	NA	NA	NA
SB05@5'	8/4/2015	5	<25	<25	<100	<0.002	<0.002	<0.002	<0.002	NA	NA	NA
SB06@3'	8/4/2015	3	45	<25	<100	<0.002	<0.002	<0.002	<0.002	NA	NA	NA
SB06@5'	8/4/2015	5	<25	<25	<100	<0.002	<0.002	<0.002	<0.002	NA	NA	NA
SB07@3'	8/4/2015	3	<25	<25	<100	<0.002	<0.002	<0.002	<0.002	NA	NA	NA
SB07@5'	8/4/2015	5	<25	<25	<100	<0.002	<0.002	<0.002	<0.002	NA	NA	NA
SB08@1'	8/6/2015	1	<25	<25	<100	<0.002	<0.002	<0.002	<0.002	NA	NA	NA
SB08@3'	8/6/2015	3	<25	<25	<100	<0.002	<0.002	<0.002	<0.002	NA	NA	NA
UTSB01West@3'	8/4/2015	3	100	150	<100	2.61	<0.050	1.21	8.48	NA	NA	NA
UTSB02East@3'	8/4/2015	3	880	730	140	9.05	4.90	4.83	63.6	NA	NA	NA
UTSB03West@3'	5/20/2020	3	1280	283	<100	6.26	<0.0500	4.95	45.2	NA	NA	NA
UTSB04East @3'	5/20/2020	3	347	32.7	<100	1.34	<0.0500	0.856	1.16	NA	NA	NA
EXCAVATION SAMPLES												
B01@8'	7/21/2021	8	14.6	68.9	<100	0.0351	<0.00200	0.0198	0.209	0.164	0.0924	0.00311
B02@8'	7/21/2021	8	43.0	150	<100	0.166	<0.00200	0.100	0.589	0.536	0.224	0.0478
N01@4'	7/21/2021	4	0.278	<25.0	121	0.00230	<0.00200	<0.00200	<0.00200	0.0128	<0.00200	0.00363
PH01@8'	7/21/2021	8	76.0	209	<100	<0.00200	<0.00200	<0.00200	0.00274	<0.00200	<0.00200	0.00766
S01@4'	7/21/2021	4	1.28	<25.0	<100	0.0275	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	0.0161
W01@4'	7/21/2021	4	19.7	204	<100	0.352	<0.00200	0.00660	<0.00200	0.0605	<0.00200	0.373
W02@4'	7/21/2021	4	18.3	297	<100	0.0110	<0.00200	<0.00200	<0.00200	0.0345	<0.00200	0.0654
B03@8'	7/23/2021	8	1.28	<25.0	<100	0.0197	<0.00200	0.00812	0.0103	0.0248	0.00820	0.000945
B04@8'	7/23/2021	8	19.6	63.3	<100	0.0261	<0.00200	0.0231	0.228	0.208	0.116	0.012
N02@4'	7/23/2021	4	12.7	1190	384	0.00316	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00335
S02@4'	7/23/2021	4	4.57	43.7	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00335
B05@8'	7/26/2021	8	1.16	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	0.00264	<0.00200	<0.00067
B06@8'	7/26/2021	8	8.47	209	<100	<0.00200	<0.00200	<0.00200	<0.00200	0.148	<0.00200	0.103
E01@4'	7/26/2021	4	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
E02@4'	7/26/2021	4	1.06	90.4	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00335
N03@4'	7/26/2021	4	9.99	436	171	<0.00200	<0.00200	<0.00200	<0.00200	0.00576	<0.00200	<0.00335
S03@4'	7/26/2021	4	5.51	85.5	<100	<0.00200	<0.00200	0.00398	<0.00200	0.00264	0.0108	0.00303
B07@11'	7/28/2021	11	NA	NA	NA	<0.00200	NA	NA	NA	<0.00200	<0.00200	<0.00067
B08@11'	7/28/2021	11	NA	NA	NA	<0.00200	NA	NA	NA	<0.00200	<0.00200	<0.00067
B09@11'	7/28/2021	11	NA	NA	NA	<0.00200	NA	NA	NA	<0.00200	<0.00200	<0.00067
B10@11'	7/28/2021	11	NA	NA	NA	<0.00200	NA	NA	NA	<0.00200	<0.00200	<0.00067
B11@11'	7/30/2021	11	NA	NA	NA	NA	NA	NA	NA	<0.00200	NA	<0.00067
S04@4'	7/30/2021	4	NA	NA	NA	NA	NA	NA	NA	NA	<0.00200	NA
W03@4'	7/30/2021	4	NA	NA	NA	NA	NA	NA	NA	NA	<0.00200	NA
W04@4'	7/30/2021	4	NA	NA	NA	<0.00200	NA	NA	NA	<0.00200	NA	<0.00335
W05@4'	7/30/2021	4	NA	NA	NA	<0.00200	NA	NA	NA	<0.00200	NA	<0.0134
E03@4'	8/3/2021	4	NA	NA	NA	<0.00200	NA	NA	NA	NA	NA	<0.00335
S05@4'	8/3/2021	4	NA	NA	NA	<0.00200	NA	NA	NA	NA	NA	<0.00067

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CLACK 1-2A, OLSON 2-2
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	TPH-GRO ⁺ (mg/kg)	TPH-DRO ⁺ (mg/kg)	TPH-RRO ⁺ (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	1,2,4- Trimethyl benzene (mg/kg)	1,3,5- Trimethyl benzene (mg/kg)	Naphthalene (mg/kg)
Groundwater Protection Values (GPV)			500	500	500	0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038
EXCAVATION SAMPLES												
B12@11'	8/17/2021	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B13@11'	8/17/2021	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B14@11'	8/17/2021	11	1.17	<25.0	<100	NA	NA	NA	NA	<0.00200	NA	NA
N04@4'	8/17/2021	4	<0.200	<25.0	<100	NA	NA	NA	NA	<0.00200	NA	NA
N05@4'	8/17/2021	4	1.29	<25.0	<100	NA	NA	NA	NA	<0.00200	NA	NA
S06@4'	8/17/2021	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W06@4'	8/17/2021	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W07@4'	8/17/2021	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B15@11'	8/18/2021	11	32.5	<25.0	<100	0.00604	NA	NA	NA	NA	NA	NA
B16@11'	8/18/2021	11	0.765	261	<100	NA	NA	NA	NA	NA	NA	NA
E04@6'	8/18/2021	6	32.5	49.4	<100	0.00520	NA	NA	NA	NA	NA	NA
N06@6'	8/18/2021	6	39.5	<25.0	<100	0.00626	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	0.00622
N07@6'	8/18/2021	6	22.0	157	<100	<0.00200	<0.00200	<0.00200	<0.00200	0.0157	<0.00200	0.0567
B17@11'	8/23/2021	11	NA	NA	NA	0.00474	NA	NA	NA	NA	NA	NA
B18@11'	8/23/2021	11	NA	NA	NA	0.00438	NA	NA	NA	NA	NA	0.0159
N08@6'	8/23/2021	6	NA	NA	NA	<0.00200	NA	NA	NA	NA	NA	<0.00067
W08@6'	8/23/2021	6	NA	NA	NA	<0.00200	NA	NA	NA	NA	NA	<0.00335
B19@11'	8/25/2021	11	NA	NA	NA	NA	NA	NA	NA	<0.00200	NA	0.000956
N09@6'	8/25/2021	6	NA	NA	NA	NA	NA	NA	NA	<0.00200	NA	<0.00067
B20@11'	8/31/2021	11	NA	NA	NA	<0.00200	NA	NA	NA	<0.00200	NA	NA
E05@6'	8/31/2021	6	NA	NA	NA	<0.00200	NA	NA	NA	NA	NA	NA
E06@6'	8/31/2021	6	NA	NA	NA	<0.00200	NA	NA	NA	NA	NA	NA
N10@6'	8/31/2021	6	NA	NA	NA	NA	NA	NA	NA	<0.00200	NA	NA
B21@11'	9/1/2021	11	NA	NA	NA	<0.00200	NA	NA	NA	NA	NA	NA
S07@6'	9/1/2021	6	NA	NA	NA	<0.00200	NA	NA	NA	NA	NA	NA

TABLE 1-2
SOIL SAMPLE ANALYTICAL RESULTS
POLYCYCLIC AROMATIC HYDROCARBONS
CLACK 1-2A, OLSON 2-2
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	Acenaphthene (mg/Kg)	Anthracene (mg/Kg)	Benzo (a) anthracene (mg/Kg)	Benzo (b) fluoranthene (mg/Kg)	Benzo (k) fluoranthene (mg/Kg)	Benzo (a) pyrene (mg/Kg)	Chrysene (mg/Kg)	Dibenz (a,h) anthracene (mg/Kg)	Fluoranthene (mg/Kg)	Fluorene (mg/Kg)	Indeno (1,2,3-cd) pyrene (mg/Kg)	1-Methyl naphthalene (mg/Kg)	2-Methyl naphthalene (mg/Kg)	Pyrene (mg/Kg)
Groundwater Protection Values (GPV)			0.55	5.8	0.011	0.3	2.9	0.24	9	0.096	8.9	0.54	0.98	0.006	0.019	1.3
SOIL BORING SAMPLES																
SB01@5'	8/4/2015	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB02@1'	8/4/2015	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB02@5'	8/4/2015	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB03@1'	8/4/2015	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB04@3'	8/4/2015	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB05@3'	8/4/2015	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB05@5'	8/4/2015	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB06@3'	8/4/2015	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB06@5'	8/4/2015	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB07@3'	8/4/2015	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB07@5'	8/4/2015	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB08@1'	8/6/2015	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB08@3'	8/6/2015	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
UTSB01 West@3'	8/4/2015	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
UTSB02 East@3'	8/4/2015	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
UTSB03West@3'	5/20/2020	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
UTSB04East @3'	5/20/2020	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EXCAVATION SAMPLES																
B01@8'	7/21/2021	8	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.00135	<0.00067	<0.00067	0.00546	<0.00067	0.0107	0.023	0.000721
B02@8'	7/21/2021	8	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	0.0026	<0.00335	<0.00335	0.0269	<0.00335	0.0964	0.226	<0.00335
N01@4'	7/21/2021	4	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.000862	0.00164	<0.00067
PH01@8'	7/21/2021	8	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	0.0177	<0.0067	<0.0067	0.0383	<0.0067	0.005	<0.0067	0.00607
S01@4'	7/21/2021	4	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	0.0143	<0.00335	0.0333	0.0434	<0.00335
W01@4'	7/21/2021	4	<0.00335	0.00662	0.00262	<0.00335	<0.00335	<0.00335	0.0101	<0.00335	<0.00335	0.114	<0.00335	0.592	1.53	0.00721
W02@4'	7/21/2021	4	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	0.0199	<0.00335	0.109	0.259	<0.00335
B03@8'	7/23/2021	8	<0.00067	<0.00067	<0.00067	0.00028	<0.00067	0.000421	0.00117	<0.00067	<0.00067	0.000558	<0.00067	0.000719	0.000783	<0.00067
B04@8'	7/23/2021	8	<0.00067	0.000472	<0.00067	0.000356	<0.00067	0.000424	0.00174	<0.00067	<0.00067	0.00936	0.000354	0.0273	0.0621	0.00101
N02@4'	7/23/2021	4	<0.00335	0.00317	<0.00335	<0.00335	<0.00335	<0.00335	0.00862	<0.00335	<0.00335	0.015	<0.00335	0.00373	0.00281	0.00392
S02@4'	7/23/2021	4	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	0.0012	0.00211	<0.00335	<0.00335	0.015	<0.00335	<0.00335	<0.00335	<0.00335
B05@8'	7/26/2021	8	<0.00067	<0.00067	0.000521	<0.00067	<0.00067	<0.00067	0.000726	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.000793	0.000458
B06@8'	7/26/2021	8	0.012	<0.00335	0.0023	<0.00335	<0.00335	<0.00335	0.00369	<0.00335	<0.00335	0.0214	<0.00335	0.125	0.279	0.00323
E01@4'	7/26/2021	4	0.000447	<0.00067	0.000648	0.000634	<0.00067	0.000336	0.0012	<0.00067	0.000568	0.00176	<0.00067	<0.00067	<0.00067	0.00107
E02@4'	7/26/2021	4	<0.00335	<0.00335	0.00241	<0.00335	<0.00335	0.00127	0.00407	<0.00335	<0.00335	0.00297	<0.00335	<0.00335	<0.00335	0.00276
N03@4'	7/26/2021	4	0.00375	<0.00335	0.00254	<0.00335	<0.00335	<0.00335	0.00265	<0.00335	<0.00335	0.0129	<0.00335	<0.00335	<0.00335	0.00224
S03@4'	7/26/2021	4	0.00213	<0.00067	0.00101	0.000937	<0.00067	0.000622	0.00222	<0.00067	0.000875	0.00476	0.000349	0.00686	0.0148	0.00204
B07@11'	7/28/2021	11	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
B08@11'	7/28/2021	11	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
B09@11'	7/28/2021	11	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
B10@11'	7/28/2021	11	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
B11@11'	7/30/2021	11	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
S04@4'	7/30/2021	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W03@4'	7/30/2021	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W04@4'	7/30/2021	4	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	0.0036	<0.00335	<0.00335	<0.00335	<0.00335
W05@4'	7/30/2021	4	<0.0134	<0.0134	<0.0134	<0.0134	<0.0134	<0.0134	0.0102	<0.00335	<0.0134	0.083	<0.0134	<0.0134	<0.0134	<0.0134
E03@4'	8/3/2021	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00335	<0.00335	NA

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Soil Sample ID	Date	Depth (ft. bgs)	Acenaphthene (mg/Kg)	Anthracene (mg/Kg)	Benzo (a) anthracene (mg/Kg)	Benzo (b) fluoranthene (mg/Kg)	Benzo (k) fluoranthene (mg/Kg)	Benzo (a) pyrene (mg/Kg)	Chrysene (mg/Kg)	Dibenz (a,h) anthracene (mg/Kg)	Fluoranthene (mg/Kg)	Fluorene (mg/Kg)	Indeno (1,2,3-cd) pyrene (mg/Kg)	1-Methyl naphthalene (mg/Kg)	2-Methyl naphthalene (mg/Kg)	Pyrene (mg/Kg)
Groundwater Protection Values (GPV)			0.55	5.8	0.011	0.3	2.9	0.24	9	0.096	8.9	0.54	0.98	0.006	0.019	1.3
EXCAVATION SAMPLES																
S05@4'	8/3/2021	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.00067	<0.00067	NA
B12@11'	8/17/2021	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B13@11'	8/17/2021	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B14@11'	8/17/2021	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N04@4'	8/17/2021	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N05@4'	8/17/2021	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S06@4'	8/17/2021	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W06@4'	8/17/2021	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W07@4'	8/17/2021	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B15@11'	8/18/2021	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B16@11'	8/18/2021	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E04@6'	8/18/2021	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N06@6'	8/18/2021	6	0.0154	<0.00067	0.000904	0.000447	<0.00067	0.000438	0.002	<0.00067	<0.00067	0.0242	0.000403	0.102	0.26	0.00188
N07@6'	8/18/2021	6	0.0447	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	0.00564	<0.0067	<0.0067	0.0733	<0.0067	0.301	0.729	0.00543
B17@11'	8/23/2021	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B18@11'	8/23/2021	11	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	0.0231	0.042	<0.00335
N08@6'	8/23/2021	6	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
W08@6'	8/23/2021	6	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	0.00287	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335
B19@11'	8/25/2021	11	0.00376	<0.00067	<0.00067	0.000988	0.000791	0.000704	0.0013	0.00112	<0.00067	0.00695	0.00137	0.0193	0.047	0.000933
N09@6'	8/25/2021	6	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
B20@11'	8/31/2021	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E05@6'	8/31/2021	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E06@6'	8/31/2021	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N10@6'	8/31/2021	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B21@11'	9/1/2021	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S07@6'	9/1/2021	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1-3
SOIL SAMPLE ANALYTICAL RESULTS
SOIL SUITABILITY FOR RECLAMATION
CLACK 1-2A, OLSON 2-2
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	EC (mmhos/cm)	SAR	pH	Boron (mg/L)
Groundwater Protection Values (GPV)			4	6	6-8.3	2
SOIL BORING SAMPLES						
SB01@5'	8/4/2015	5	NA	NA	NA	NA
SB02@1'	8/4/2015	1	NA	NA	NA	NA
SB02@5'	8/4/2015	5	NA	NA	NA	NA
SB03@1'	8/4/2015	1	NA	NA	NA	NA
SB04@3'	8/4/2015	3	NA	NA	NA	NA
SB05@3'	8/4/2015	3	NA	NA	NA	NA
SB05@5'	8/4/2015	5	NA	NA	NA	NA
SB06@3'	8/4/2015	3	NA	NA	NA	NA
SB06@5'	8/4/2015	5	NA	NA	NA	NA
SB07@3'	8/4/2015	3	NA	NA	NA	NA
SB07@5'	8/4/2015	5	NA	NA	NA	NA
SB08@1'	8/6/2015	1	NA	NA	NA	NA
SB08@3'	8/6/2015	3	NA	NA	NA	NA
UTSB01 West@3'	8/4/2015	3	NA	NA	NA	NA
UTSB02 East@3'	8/4/2015	3	NA	NA	NA	NA
UTSB03West@3'	5/20/2020	3	NA	NA	NA	NA
UTSB04East @3'	5/20/2020	3	NA	NA	NA	NA
EXCAVATION SAMPLES						
B01@8'	7/21/2021	8	0.834	5.11	7.66	<0.202
B02@8'	7/21/2021	8	1.19	8.68	7.81	<0.200
N01@4'	7/21/2021	4	0.474	1.15	7.30	0.362
PH01@8'	7/21/2021	8	0.542	2.83	7.72	<0.199
S01@4'	7/21/2021	4	1.72	7.52	7.73	0.340
W01@4'	7/21/2021	4	3.61	16.8	7.28	0.299
W02@4'	7/21/2021	4	2.37	14.7	7.29	0.362
B03@8'	7/23/2021	8	1.32	4.97	7.58	0.00297
B04@8'	7/23/2021	8	0.995	3.45	7.69	<0.199
N02@4'	7/23/2021	4	1.56	2.34	7.42	0.300
S02@4'	7/23/2021	4	1.45	4.11	7.54	0.483
B05@8'	7/26/2021	8	0.697	2.19	7.77	<0.198
B06@8'	7/26/2021	8	1.07	3.52	7.54	0.302
E01@4'	7/26/2021	4	0.828	3.05	7.55	0.321
E02@4'	7/26/2021	4	0.908	3.92	7.71	0.381
N03@4'	7/26/2021	4	1.32	3.60	7.48	0.297
S03@4'	7/26/2021	4	1.66	3.85	7.29	0.383
B07@11'	7/28/2021	11	0.229	1.76	7.97	NA
B08@11'	7/28/2021	11	0.355	1.91	8.00	NA
B09@11'	7/28/2021	11	0.281	2.04	8.10	NA
B10@11'	7/28/2021	11	0.323	1.85	7.94	NA
B11@11'	7/30/2021	11	0.492	2.09	7.89	<0.198
S04@4'	7/30/2021	4	0.724	2.91	7.81	<0.199
W03@4'	7/30/2021	4	0.883	3.93	7.68	0.382
W04@4'	7/30/2021	4	1.05	6.24	7.29	0.697
W05@4'	7/30/2021	4	1.24	5.21	6.97	0.542
E03@4'	8/3/2021	4	NA	5.74	NA	NA
S05@4'	8/3/2021	4	NA	5.41	NA	NA
B12@11'	8/17/2021	11	NA	3.07	NA	NA

TABLE 1-3
SOIL SAMPLE ANALYTICAL RESULTS
SOIL SUITABILITY FOR RECLAMATION
CLACK 1-2A, OLSON 2-2
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	EC (mmhos/cm)	SAR	pH	Boron (mg/L)
Groundwater Protection Values (GPV)			4	6	6-8.3	2
EXCAVATION SAMPLES						
B13@11'	8/17/2021	11	NA	2.09	NA	NA
B14@11'	8/17/2021	11	NA	NA	NA	NA
N04@4'	8/17/2021	4	NA	NA	NA	NA
N05@4'	8/17/2021	4	NA	NA	NA	NA
S06@4'	8/17/2021	4	NA	6.66	NA	NA
W06@4'	8/17/2021	4	NA	NA	NA	NA
W07@4'	8/17/2021	4	NA	14.4	NA	NA
B15@11'	8/18/2021	11	NA	NA	NA	NA
B16@11'	8/18/2021	11	NA	NA	NA	NA
E04@6'	8/18/2021	6	NA	NA	NA	NA
N06@6'	8/18/2021	6	0.696	2.48	7.69	3.80
N07@6'	8/18/2021	6	0.782	3.16	7.65	5.80
B17@11'	8/23/2021	11	NA	NA	NA	NA
B18@11'	8/23/2021	11	0.943	2.73	7.39	0.398
N08@6'	8/23/2021	6	0.774	3.61	7.50	<0.198
W08@6'	8/23/2021	6	0.904	3.36	7.37	0.658
B19@11'	8/25/2021	11	0.719	1.62	7.54	<0.199
N09@6'	8/25/2021	6	0.338	3.12	7.61	<0.198
B20@11'	8/31/2021	11	NA	NA	NA	<0.201
E05@6'	8/31/2021	6	NA	NA	NA	NA
E06@6'	8/31/2021	6	NA	NA	NA	NA
N10@6'	8/31/2021	6	NA	NA	NA	0.376
B21@11'	9/1/2021	11	NA	NA	NA	NA
S07@6'	9/1/2021	6	NA	NA	NA	NA
BACKGROUND SOIL SAMPLES						
Native- BG01@4'	7/21/2021	4	0.238	1.15	8.12	<0.200
Native- BG01@8'	7/21/2021	8	0.397	2.74	7.71	<0.199
Native- BG02@4'	7/21/2021	4	1.07	4.75	7.02	0.297
Native- BG02@8'	7/21/2021	8	1.67	5.80	7.62	<0.201
Native- BG03@4'	7/21/2021	4	0.528	4.40	7.62	<0.201
Native- BG03@8'	7/21/2023	8	0.475	4.32	8.20	<0.199

TABLE 1-4
SOIL SAMPLE ANALYTICAL RESULTS
METALS
CLACK 1-2A, OLSON 2-2
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
Groundwater Protection Value (GPV)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
SOIL BORING SAMPLES												
SB01@5'	8/4/2015	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB02@1'	8/4/2015	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB02@5'	8/4/2015	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB03@1'	8/4/2015	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB04@3'	8/4/2015	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB05@3'	8/4/2015	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB05@5'	8/4/2015	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB06@3'	8/4/2015	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB06@5'	8/4/2015	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB07@3'	8/4/2015	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB07@5'	8/4/2015	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB08@1'	8/6/2015	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB08@3'	8/6/2015	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
UTSB01 West@3'	8/4/2015	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
UTSB02 East@3'	8/4/2015	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
UTSB03West@3'	5/20/2020	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
UTSB04East @3'	5/20/2020	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EXCAVATION SAMPLES												
B01@8'	7/21/2021	8	0.385*	9.46	<0.25	<0.514	1.27	1.29	0.838	0.134	0.0091	9.08
B02@8'	7/21/2021	8	0.295*	15.1	<0.25	<0.519	1.58	1.75	1.1	0.189	0.0123	8.55
N01@4'	7/21/2021	4	0.814*	136*	0.141	<2.5	9.39	10	8.76	0.529*	0.0639	64
PH01@8'	7/21/2021	8	0.5*	17.3	0.0348	<0.503	1.81	2.89	1.21	0.309*	0.011	11.3
S01@4'	7/21/2021	4	0.989*	189	0.361	<2.5	13.5	13.8	13.7	0.861	0.0786	86.7
W01@4'	7/21/2021	4	1.52*	191	0.503	<5.11	17.7	16.3	18.1	1	0.105	100
W02@4'	7/21/2021	4	1.16*	174	0.215	<5	15.9	13.5	13.6	0.764*	0.0918	91.6
B03@8'	7/23/2021	8	1.17*	56.4	0.118	<1.01	6.49	7.15	5.04	0.338*	0.0591	26.8
B04@8'	7/23/2021	8	1*	47.1	0.0796	<0.5	5.6	6.28	3.82	0.35*	0.0369	25.6
N02@4'	7/23/2021	4	2.3*	84.4*	0.276	<1	11.1	9.44	10.6	0.488*	0.0667	44.1
S02@4'	7/23/2021	4	0.979	102*	0.164	<2.51	11.8	10	8.51	0.589*	0.0745	60.5
B05@8'	7/26/2021	8	<0.25	3.91	<0.25	<0.517	0.565	0.931	0.604	0.175	<0.25	4.83
B06@8'	7/26/2021	8	4.67	54	0.339	<5.04	12.2	7.58	9.35	0.627*	0.0401	40.1
E01@4'	7/26/2021	4	1.02*	69.1	0.112	<2.59	8.12	9.1	5.59	0.442*	0.0628	33.4
E02@4'	7/26/2021	4	1.53*	74.3	0.174	<1	9.19	12	5.74	0.343*	0.0926	37.2
N03@4'	7/26/2021	4	0.821*	146*	0.183	<5	9.91	9.24	9.28	0.589*	0.0528	60.2
S03@4'	7/26/2021	4	2.44	102*	0.199	<1	14.1	11.3	9.42	0.629*	0.0646	59.5
B07@11'	7/28/2021	11	0.304*	2.77	<0.25	<0.515	0.919	1.1	0.53	<0.25	0.0073	8.96
B08@11'	7/28/2021	11	0.446*	2.34	<0.25	<0.506	0.739	0.862	0.423	0.109	<0.25	4.06
B09@11'	7/28/2021	11	0.273	2.95	<0.25	<0.502	0.662	1.01	0.526	<0.25	<0.25	4.39
B10@11'	7/28/2021	11	<0.25	3.73	<0.25	<0.5	0.627	1.07	0.562	0.138	<0.25	4.07
B11@11'	7/30/2021	11	0.286	3.19	<0.25	<0.52	0.712	0.983	0.477	0.112	<0.25	3.47
S04@4'	7/30/2021	4	0.542*	36.9	0.0274	<1.01	2.66	4.07	1.96	0.247	0.016	14.9
W03@4'	7/30/2021	4	0.891*	85.3*	0.156	<1	10.4	11.2	6.05	0.487*	0.0794	47.9
W04@4'	7/30/2021	4	2.97	165	0.183	<5	22.5	15.4	10	1.01	0.131	79.5
W05@4'	7/30/2021	4	8.75	198	0.179	<5	17.4	12.5	8.08	1.24	0.0835	53.7
E03@4'	8/3/2021	4	NA	166	NA	NA	NA	NA	NA	0.841*	NA	NA

TABLE 1-4
SOIL SAMPLE ANALYTICAL RESULTS
METALS
CLACK 1-2A, OLSON 2-2
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
Groundwater Protection Value (GPV)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
EXCAVATION SAMPLES												
S05@4'	8/3/2021	4	NA	147*	NA	NA	NA	NA	NA	0.491*	NA	NA
B12@11'	8/17/2021	11	0.501*	23.4	NA	NA	NA	2.88	NA	0.159	NA	NA
B13@11'	8/17/2021	11	0.83*	37.6	NA	NA	NA	NA	NA	0.942	NA	NA
B14@11'	8/17/2021	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N04@4'	8/17/2021	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N05@4'	8/17/2021	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S06@4'	8/17/2021	4	0.507*	62.9	NA	NA	NA	NA	NA	0.385*	NA	NA
W06@4'	8/17/2021	4	0.413*	8.5	NA	NA	NA	NA	NA	0.155	NA	NA
W07@4'	8/17/2021	4	0.824*	113*	NA	NA	NA	8.53	NA	0.473*	NA	NA
B15@11'	8/18/2021	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B16@11'	8/18/2021	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E04@6'	8/18/2021	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N06@6'	8/18/2021	6	1.2*	130*	0.182	<5	13.3	12.1	9.53	0.506*	0.0864	67.7
N07@6'	8/18/2021	6	1.22*	106*	0.176	<5.06	12.1	11.8	8.36	0.49*	0.102	56.5
B17@11'	8/23/2021	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B18@11'	8/23/2021	11	3.08	108*	0.156	<5	16.1	12	14.2	1.38	0.1	70.1
N08@6'	8/23/2021	6	1.5*	122*	0.0934	<2.5	8.99	9.93	8.73	0.523*	0.0466	63.2
W08@6'	8/23/2021	6	2.07*	127*	0.0921	<5.02	21.5	14.1	5.74	1.57	0.113	54.3
B19@11'	8/25/2021	11	0.371*	20.3	0.0263	<1.01	2.62	2.52	1.92	0.132	0.0173	12.5
N09@6'	8/25/2021	6	1.59*	72.1	0.101	<1	5.37	4.99	4.46	0.223	0.0391	32.1
B20@11'	8/31/2021	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E05@6'	8/31/2021	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E06@6'	8/31/2021	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N10@6'	8/31/2021	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B21@11'	9/1/2021	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S07@6'	9/1/2021	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BACKGROUND SOIL SAMPLES												
Native- BG01@4'	7/21/2021	4	0.461	19.8	0.0628	<0.506	1.43	1.82	2.14	0.208	0.0106	9.52
Native- BG01@8'	7/21/2021	8	0.296	16	<0.25	<0.5	0.967	2.13	1.02	0.197	0.0135	6.91
Native- BG02@4'	7/21/2021	4	2.31	163	0.194	<5.07	13.8	13.9	10.1	0.847	0.0742	80.8
Native- BG02@8'	7/21/2021	8	0.617	34.7	0.0452	<1	3.04	3.61	2.05	0.343	0.0288	14.9
Native- BG03@4'	7/21/2021	4	0.301	6.13	<0.25	<0.52	0.68	0.982	0.594	0.202	0.0093	4.64
Native- BG03@8'	7/21/2023	8	0.529	5.63	0.0637	<0.503	1.19	1.47	0.683	0.217	0.0098	8.18

TABLE 1-5
SOIL SAMPLE ANALYTICAL RESULTS
NOTES
CLACK 1-2A, OLSON 2-2
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Notes:

GPV - Groundwater Protection Values (mg/kg)

TPH - Total Petroleum Hydrocarbons

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

RRO - Residual Range Organics

*Allowable level for TPH is 500 mg/kg for combined GRO, DRO, ORO

*Exceeds Table 915-1 allowable level but below background

EC - Electrical Conductivity

SAR - Sodium Adsorption Ratio

mmhos/cm - millimhos per centimeter

<0.00200 - less than laboratory reporting limit

NA - Not Analyzed/Not Applicable

Bold - exceeds Table 915-1 allowable level and background

TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
CLACK 1-2A, OLSON 2-2
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)	Naphthalene (µg/L)	1,2,4- trimethylbenzene (µg/L)	1,3,5- trimethylbenzene (µg/L)	Total Dissolved Solids (ug/L)	Chloride Ion (ug/L)	Sulfate Ion (ug/L)	Depth to Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
COGCC Allowable Levels		5	560	700	1,400	140	67	67	1,287,500	250,000	388,750		
GW01	7/21/2021	188	<1.00	36.1	376	14.8	158	79.9	1,160,000	214,000	312,000	8	NA
GW-BG01	7/21/2021	NA	NA	NA	NA	NA	NA	NA	1,030,000	213,000	311,000	8	NA
BG-MW01	12/27/2021	NA	NA	NA	NA	NA	NA	NA	839,000	155,000	209,000	4.38	94.76
	2/3/2022	NA	NA	NA	NA	NA	NA	NA	812,000	164,000	227,000	4.56	94.58
	5/5/2022	NA	NA	NA	NA	NA	NA	NA	893,000	186,000	247,000	4.53	94.61
	8/4/2022	NA	NA	NA	NA	NA	NA	NA	897,000	172,000	223,000	4.35	94.79
	11/11/2022	NA	NA	NA	NA	NA	NA	NA	913,000	197,000	259,000	4.31	94.83
MW01	8/5/2015	17.8	<4.0	<4.0	16.4	NA	NA	NA	NA	NA	NA	6.03	94.29
	11/10/2015	22.2	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	5.72	94.60
	2/11/2016	1.7	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	5.77	94.55
	5/16/2016	21.5	<1.0	<1.0	1.1	NA	NA	NA	NA	NA	NA	5.27	95.05
	8/3/2016	15.9	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	6.44	93.88
	11/3/2016	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	6.26	94.06
	2/7/2017	17.1	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	6.34	93.98
	5/3/2017	45.9	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	6.12	94.20
	8/23/2017	8.67	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	6.02	94.30
	11/9/2017	6.84	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.92	94.40
	2/23/2018	22.8	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	6.17	94.15
	4/11/2018	Surveyed - Not Sampled				NA	NA	NA	NA	NA	NA	NM	NA
	5/15/2018	4.09	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.77	94.55
	8/22/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	6.51	93.81
	11/6/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	6.10	94.22
	2/5/2019	2.19	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	6.44	93.88
	Well abandoned on 10/1/2019												
MW02	8/5/2015	<4.0	<4.0	<4.0	<4.0	NA	NA	NA	NA	NA	NA	5.49	94.45
	11/10/2015	1.5	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	5.20	94.74
	2/11/2016	1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	5.27	94.67
	5/16/2016	1,100	<1.0	29.4	279	NA	NA	NA	NA	NA	NA	4.76	95.18
	8/3/2016	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.91	94.03
	11/3/2016	1.69	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.73	94.21
	2/7/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.82	94.12
	5/3/2017	1.14	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.58	94.36
	8/23/2017	410	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.55	94.39
	11/9/2017	23.7	<4.00	<4.00	<4.00	NA	NA	NA	NA	NA	NA	5.36	94.58
	2/23/2018	26.2	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.66	94.28
	4/11/2018	Surveyed - Not Sampled				NA	NA	NA	NA	NA	NA	NM	NA
	5/15/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.23	94.71
	8/22/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.93	94.01
	11/6/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.51	94.43

TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
CLACK 1-2A, OLSON 2-2
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)	Naphthalene (µg/L)	1,2,4- trimethylbenzene (µg/L)	1,3,5- trimethylbenzene (µg/L)	Total Dissolved Solids (ug/L)	Chloride Ion (ug/L)	Sulfate Ion (ug/L)	Depth to Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
COGCC Allowable Levels		5	560	700	1,400	140	67	67	1,287,500	250,000	388,750		
MW02	2/5/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.94	94.00
	Well abandoned on 10/1/2019												
MW03	8/5/2015	<4.0	<4.0	<4.0	<4.0	NA	NA	NA	NA	NA	NA	4.88	94.32
	11/10/2015	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	4.57	94.63
	2/11/2016	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	4.61	94.59
	5/16/2016	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	4.11	95.09
	8/3/2016	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.28	93.92
	11/3/2016	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.09	94.11
	2/7/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.18	94.02
	5/3/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	4.95	94.25
	8/23/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.90	93.30
	11/9/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	4.72	94.48
	2/23/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.01	94.19
	4/11/2018	Surveyed - Not Sampled				NA	NA	NA	NA	NA	NA	NM	NA
	5/15/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	4.62	94.57
	8/22/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.30	93.89
	11/6/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	4.88	94.31
	2/5/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.29	93.90
	Well abandoned on 10/1/2019												
MW04	8/5/2015	54.6	<4.0	6.3	<4.0	NA	NA	NA	NA	NA	NA	4.58	94.24
	11/10/2015	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	4.29	94.53
	2/11/2016	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	4.31	94.51
	5/16/2016	2.9	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	3.80	95.02
	8/3/2016	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.02	93.80
	11/3/2016	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	4.82	94.00
	2/7/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	4.91	93.91
	5/3/2017	6.19	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	4.68	94.14
	8/23/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	4.62	94.20
	11/9/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	4.45	94.37
	2/23/2018	5.60	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	4.73	94.09
	4/11/2018	Surveyed - Not Sampled				NA	NA	NA	NA	NA	NA	NM	NA
	5/15/2018	2.47	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	4.32	94.49
	8/22/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.02	93.79
	11/6/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	4.60	94.21
	2/5/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	4.98	93.83
	Well abandoned on 10/1/2019												
MW05	8/5/2015	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	5.14	93.22
	11/10/2015	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	4.85	93.51
	2/11/2016	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	4.86	93.50
	5/16/2016	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	4.37	93.99
	8/3/2016	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.59	92.77

TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
CLACK 1-2A, OLSON 2-2
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)	Naphthalene (µg/L)	1,2,4- trimethylbenzene (µg/L)	1,3,5- trimethylbenzene (µg/L)	Total Dissolved Solids (ug/L)	Chloride Ion (ug/L)	Sulfate Ion (ug/L)	Depth to Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
COGCC Allowable Levels		5	560	700	1,400	140	67	67	1,287,500	250,000	388,750		
MW05	11/3/2016	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.38	92.98
	2/7/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.49	92.87
	5/3/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.25	93.11
	8/23/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.21	93.15
	11/9/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.03	93.33
	2/23/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.29	93.07
	4/11/2018	Surveyed - Not Sampled				NA	NA	NA	NA	NA	NA	NM	NA
	5/15/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	4.90	94.45
	8/22/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.60	93.75
	11/6/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.21	94.14
	2/5/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.55	93.80
	Well abandoned on 10/1/2019												
MW06	8/5/2015	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	5.81	94.21
	11/10/2015	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	5.53	94.49
	2/11/2016	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	5.56	94.46
	5/16/2016	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	5.06	94.96
	8/3/2016	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	6.26	93.76
	11/3/2016	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	6.06	93.96
	2/7/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	6.17	93.85
	5/3/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.92	94.10
	8/23/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.89	94.13
	11/9/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.68	94.34
	2/23/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.97	94.05
	4/11/2018	Surveyed - Not Sampled				NA	NA	NA	NA	NA	NA	NM	NA
	5/15/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.54	94.50
	8/22/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	6.27	93.77
	11/6/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.86	94.18
	2/5/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	6.24	93.80
	Well abandoned on 10/1/2019												
MW07	8/5/2015	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	5.77	94.29
	11/10/2015	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	5.45	94.61
	2/11/2016	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	5.50	94.56
	5/16/2016	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	5.01	95.05
	8/3/2016	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	6.18	93.88
	11/3/2016	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.99	94.07
	2/7/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	6.09	93.97
	5/3/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.85	94.21
	8/23/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	6.79	93.27
	11/9/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.59	94.47
	2/23/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.91	94.15
	4/11/2018	Surveyed - Not Sampled				NA	NA	NA	NA	NA	NA	NM	NA
	5/15/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.47	94.58

TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
CLACK 1-2A, OLSON 2-2
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)	Naphthalene (µg/L)	1,2,4- trimethylbenzene (µg/L)	1,3,5- trimethylbenzene (µg/L)	Total Dissolved Solids (ug/L)	Chloride Ion (ug/L)	Sulfate Ion (ug/L)	Depth to Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
COGCC Allowable Levels		5	560	700	1,400	140	67	67	1,287,500	250,000	388,750		
MW07	8/22/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	6.18	93.87
	11/6/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	5.79	94.26
	2/5/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	6.18	93.87
	Well abandoned on 10/1/2019												
MW08	8/17/2015	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	3.42	NA
	11/10/2015	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	2.90	NA
	2/11/2016	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	4.87	NA
	5/16/2016	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	2.42	NA
	8/3/2016	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	3.65	NA
	11/3/2016	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	3.72	NA
	2/7/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	3.83	NA
	5/3/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	3.60	NA
	8/23/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	3.54	NA
	11/9/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	3.37	NA
	2/23/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	3.66	NA
	4/11/2018	Surveyed - Not Sampled				NA	NA	NA	NA	NA	NA	NM	NA
	5/15/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	3.27	94.45
	8/22/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	3.98	93.74
	11/6/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	3.56	94.16
	2/5/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	3.92	93.80
Well abandoned on 10/1/2019													
MW09	12/27/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	941,000	172,000	228,000	5.98	94.42
	2/1/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,220,000	186,000	385,000	6.12	94.28
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,020,000	198,000	277,000	6.14	94.26
	8/4/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	947,000	170,000	216,000	6.01	94.39
	11/11/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,080,000	196,000	266,000	5.95	94.45
MW10	12/27/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	1,060,000	182,000	168,000	6.04	94.30
	2/1/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	964,000	192,000	172,000	6.22	94.12
	5/5/2022	Not Found - Not Sampled				NA	NA	NA	NA	NA	NA	NM	NA
	8/4/2022	Not Found - Not Sampled				NA	NA	NA	NA	NA	NA	NM	NA
	11/11/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	890,000	196,000	191,000	6.08	94.26
MW11	12/27/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	930,000	182,000	178,000	6.41	94.16
	2/1/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	950,000	188,000	183,000	6.57	94.00
	5/5/2022	Not Found - Not Sampled				NA	NA	NA	NA	NA	NA	NM	NA
	8/4/2022	Not Found - Not Sampled				NA	NA	NA	NA	NA	NA	NM	NA
	11/11/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	881,000	196,000	182,000	6.39	94.18
MW12	12/27/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	799,000	148,000	195,000	4.68	94.14
	2/1/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	843,000	154,000	212,000	4.85	93.97
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	851,000	175,000	237,000	4.91	93.91

TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
CLACK 1-2A, OLSON 2-2
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)	Naphthalene (µg/L)	1,2,4- trimethylbenzene (µg/L)	1,3,5- trimethylbenzene (µg/L)	Total Dissolved Solids (ug/L)	Chloride Ion (ug/L)	Sulfate Ion (ug/L)	Depth to Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
COGCC Allowable Levels		5	560	700	1,400	140	67	67	1,287,500	250,000	388,750		
MW12	8/4/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	848,000	159,000	211,000	4.77	94.05
	11/11/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	890,000	179,000	259,000	4.67	94.15
MW13	12/27/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	812,000	151,000	217,000	4.33	94.18
	2/1/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	835,000	151,000	222,000	4.47	94.04
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	826,000	166,000	236,000	4.60	93.91
	8/4/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	870,000	158,000	234,000	4.42	94.09
	11/11/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	864,000	174,000	270,000	4.32	94.19
MW14	12/27/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	814,000	148,000	203,000	4.82	94.27
	2/1/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	861,000	152,000	216,000	5.01	94.08
	5/5/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	831,000	166,000	232,000	5.04	94.05
	8/4/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	861,000	163,000	221,000	4.91	94.18
	11/11/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	891,000	184,000	267,000	4.82	94.27

Notes: COGCC - Colorado Oil and Gas Conservation Commission µg/L - micrograms per liter
ft bgs - feet below ground surface < - less than laboratory reporting limit
NA - not analyzed/not available Excavation groundwater depth is approximate
NM - not measured
Total Dissolved Solids and sulfate ion are based on background sample (GW-BG01) concentration x 1.25
BOLD = Analytical result is in exceedance of COGCC Table 915-1 groundwater standards.