

TABLE 1
CPC 41-10 #1, CHAMPLIN 31-10 #3, 32-10 #2, 42-10 #4 PRODUCTION FACILITY
SOIL SAMPLE RESULTS SUMMARY TABLE
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Depth (ft. bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Napthalene (mg/kg)	TVPH-GRO (mg/kg)	TEPH-DRO (mg/kg)	TEPH-ORO (mg/kg)	EC (mmhos/cm)	pH (units)	SAR (units)
COGCC standards for soil (mg/kg) ⁽¹⁾			0.17	85	100	175	23	500			4 mmhos/cm or 2x BG	6-9	12
B01@11'	09/20/17	11	<0.050	<0.050	<0.050	<0.050	NA	5.07	198	<100	1.79	7.97	NA
N01@10'	09/20/17	10	<0.050	<0.050	0.586	0.345	NA	150	389	107	0.467	8.33	NA
S01@10'	09/20/17	10	<0.050	<0.050	0.594	<0.050	NA	112	668	200	1.61	7.84	NA
E01@10'	09/20/17	10	<0.050	<0.050	0.288	1.28	NA	178	491	122	0.724	7.91	NA
W01@10'	09/20/17	10	<0.050	<0.050	0.640	0.226	NA	126	410	153	1.10	8.46	NA
B02@12'	09/27/17	12	<0.002	<0.002	0.020	<0.002	NA	8.40	35.9	<100	0.532	7.73	NA
N02@10'	09/27/17	10	<0.050	<0.050	0.133	0.120	NA	51.6	277	<100	0.531	7.68	NA
E02@10'	09/29/17	10	<0.002	<0.002	<0.002	<0.002	NA	<0.200	<25.0	<100	1.87	6.93	NA
S02@10'	09/29/17	10	<0.050	<0.050	0.404	0.516	NA	136	556	217	0.510	7.68	NA
B03@6'	09/29/17	6	<0.002	<0.002	<0.002	<0.002	NA	<0.200	<25.0	<100	0.311	8.00	NA
B04@6'	09/29/17	6	0.010	<0.002	0.005	0.006	NA	0.317	<25.0	<100	0.350	7.94	NA
E03@5'	09/29/17	5	<0.050	<0.050	<0.050	<0.050	NA	<5.00	<25.0	<100	0.382	8.29	NA
S03@5'	09/29/17	5	<0.050	<0.050	<0.050	<0.050	NA	<5.00	<25.0	<100	0.466	8.28	NA
N03@10'	09/29/17	10	<0.050	<0.050	0.516	0.750	NA	152	332	117	0.192	8.76	NA
W02@10'	09/29/17	10	<0.050	<0.050	<0.050	<0.050	NA	40.8	304	125	0.332	8.52	NA
N04@10'	10/04/17	10	<0.050	<0.050	<0.050	<0.050	NA	301	300	105	0.279	7.89	NA
E04@10'	10/04/17	10	<0.050	<0.050	<0.050	<0.050	NA	51.7	320	127	0.715	8.14	NA
N05@10'	10/05/17	10	<0.050	<0.050	<0.050	<0.050	NA	15.3	40.2	<100	0.321	7.47	NA
W03@9'	10/05/17	9	<0.050	<0.050	<0.050	<0.050	NA	35.4	180	<100	0.170	8.05	NA
B06@11'	10/05/17	11	<0.002	<0.002	<0.002	<0.002	NA	<0.200	<25.0	<100	0.523	8.03	NA
S04@9'	10/16/17	9	<0.050	<0.002	1.30	2.78	NA	730	594	<100	0.470	8.32	NA
S05@10'	10/16/17	10	<0.002	<0.002	<0.002	<0.002	NA	<0.200	<25.0	<100	0.281	8.86	NA
E05@10'	10/17/17	10	0.516	0.098	6.02	4.88	NA	676	681	<100	1.08	7.16	NA
W04@10'	10/17/17	10	<0.050	<0.050	<0.050	<0.050	NA	5.94	54.2	<100	1.56	7.33	NA
S06@8'	10/17/17	8	<0.050	<0.050	<0.050	<0.050	NA	69.7	354	<100	0.501	7.80	NA
B07@11'	10/17/17	11	<0.002	<0.002	<0.002	<0.002	NA	<0.200	<25.0	<100	0.798	7.62	NA
E06@10'	10/18/17	10	<0.050	<0.050	0.165	<0.050	NA	24.9	30.6	<100	0.425	7.96	NA
B08@11'	10/19/17	11	<0.002	<0.002	<0.002	<0.002	NA	<0.200	<25.0	<100	0.524	8.11	NA
S07@10'	10/19/17	10	0.051	<0.050	0.362	0.236	NA	65.8	116	<100	0.747	8.74	NA
W05@10'	10/19/17	10	0.385	<0.050	1.25	4.33	NA	238	310	<100	0.865	9.03*	NA
E07@9'	10/19/17	9	0.343	<0.050	3.16	3.14	NA	727	957	141	0.627	8.97	NA

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Sample Location	Date	Depth (ft. bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Napthalene (mg/kg)	TVPH-GRO (mg/kg)	TEPH-DRO (mg/kg)	TEPH-ORO (mg/kg)	EC (mmhos/cm)	pH (units)	SAR (units)
COGCC standards for soil (mg/kg) ⁽¹⁾			0.17	85	100	175	23	500			4 mmhos/cm or 2x BG	6-9	12
S06@12'	10/31/17	12	0.300	<0.050	0.472	0.487	NA	81.1	112	<100	0.835	8.12	NA
B09@13'	10/31/17	13	<0.050	<0.050	0.192	0.118	NA	65.9	233	<100	0.723	8.82	NA
W06@6'	10/31/17	6	0.070	<0.050	0.164	0.414	NA	40.7	<25.0	<100	0.559	8.60	NA
W07@12'	10/31/17	12	<0.050	<0.050	0.152	<0.050	NA	106	296	115	0.540	8.64	NA
W08@12'	11/02/17	12	0.174	<0.050	2.01	0.298	NA	389	175	<100	1.04	8.43	NA
W09@12'	11/02/17	12	0.163	<0.050	1.14	1.49	NA	274	106	<100	1.60	8.12	NA
S07@12'	11/02/17	12	0.270	<0.050	2.17	7.14	NA	569	690	253	1.23	8.81	NA
S08@12'	11/02/17	12	0.346	<0.050	0.948	1.14	NA	470	136	<100	1.48	8.64	NA
B10@13'	11/02/17	13	<0.050	<0.050	0.118	<0.050	NA	60.7	78.4	<100	0.866	8.64	NA
N06@12'	11/02/17	12	<0.050	<0.050	<0.050	<0.050	NA	88.4	<25.0	<100	0.644	8.97	NA
B11@13'	11/06/17	13	0.003	<0.002	<0.002	<0.002	NA	<0.200	<25.0	<100	0.539	8.42	NA
B12@13'	11/06/17	13	<0.002	<0.002	0.002	<0.002	NA	<0.200	<25.0	<100	0.560	8.96	NA
B13@13'	11/06/17	13	<0.050	<0.050	0.542	<0.050	NA	129	136	<100	1.00	8.05	NA
W10@12'	11/06/17	12	<0.002	<0.002	0.146	<0.002	NA	19.7	224	<100	1.81	7.75	NA
W11@12'	11/06/17	12	<0.050	<0.050	0.472	<0.050	NA	86.1	101	<100	0.738	8.76	NA
S09@12'	11/06/17	12	<0.050	<0.050	0.350	<0.050	NA	329	538	215	1.42	8.43	NA
E08@12'	11/06/17	12	<0.002	<0.002	0.049	<0.002	NA	7.98	<25.0	<100	1.27	8.23	NA
B14@13'	11/09/17	13	<0.002	<0.002	<0.002	<0.002	NA	<0.200	<25.0	<100	0.626	8.57	NA
S10@12'	11/09/17	12	<0.002	<0.002	0.015	<0.002	NA	2.39	<25.0	<100	0.657	8.09	NA
B15@14'	06/13/19	14	<0.050	<0.050	<0.050	<0.050	<0.200	<5.00	<25.0	<100	0.863	7.98	16.65*
B16@14'	06/13/19	14	<0.050	<0.050	0.216	<0.050	<0.200	27.7	<25.0	<100	1.15	8.37	13.81*
S11@12'	06/13/19	12	<0.050	<0.050	<0.050	<0.050	<0.200	<5.00	72.1	<100	NA	NA	NA
E09@12'	06/13/19	12	<0.050	<0.050	0.134	<0.050	<0.200	23.1	64.5	<100	NA	NA	NA
E10@12'	06/13/19	12	<0.050	<0.050	0.164	<0.050	<0.200	23.9	<25.0	<100	NA	NA	NA
N07@12'	06/13/19	12	<0.050	<0.050	<0.050	<0.050	<0.200	<5.00	56.1	<100	NA	NA	NA

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COGCC standards for soil (mg/kg) ⁽¹⁾			0.17	85	100	175	23	500			4 mmhos/cm or 2x BG	6-9	12

Notes:

(1) Standards for soil are taken from 2 CCR 404-1, Table 910-1, effective May 1, 2018.

COGCC = Colorado Oil and Gas Conservation Commission

(<) = Analytical result is less than the indicated laboratory reporting limit.

TVPH - GRO = Total volatile petroleum hydrocarbons - gasoline range organics

TEPH - DRO = Total extractable petroleum hydrocarbons - diesel range organics

TEPH - ORO = Total extractable petroleum hydrocarbons - oil range organics

EC = Electrical conductivity

SAR = Sodium adsorption ratio

mmhos/cm = Millimhos per centimeter

mg/kg = Milligrams per kilogram.

ft. bgs = Feet below ground surface.

BOLD = Analytical result is in exceedance of COGCC Table 910-1 soil standards

* = Sample was collected below the designated root zone (0-3 feet bgs)

NA = Constituent not analyzed