

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**GEE 15C-25HZ**  
**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)
SS01	Surface	01/13/2016	<0.050	<0.050	<0.050	<0.050	170	<5.00	<100	8.50	0.0399
SS02	Surface	01/13/2016	<0.050	<0.050	<0.050	<0.050	1200	11.2	400	8.56	0.0466
SS03	Surface	01/13/2016	<0.050	<0.050	<0.050	<0.050	<25	<5.00	<100	8.58	0.0382
SS04	Surface	01/13/2016	<0.050	<0.050	<0.050	<0.050	540	8.99	180	8.53	0.0331
SS05	Surface	01/13/2016	<0.050	<0.050	<0.050	<0.050	1100	21.4	380	8.40	0.0368
SS06	Surface	01/13/2016	<0.050	<0.050	<0.050	<0.050	110	<5.00	<100	8.34	0.0495
SS07	Surface	01/13/2016	<0.050	<0.050	<0.050	<0.050	<25	<5.00	<100	8.38	0.0495
SS08	Surface	01/13/2016	<0.050	<0.050	<0.050	<0.050	520	<5.00	220	8.36	0.0473
SS09	Surface	01/13/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.36	0.0598
SS10	Surface	01/13/2016	<0.002	<0.002	<0.002	<0.002	59	0.547	<100	8.22	0.0781
SS18	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	7.88	0.164
SS19	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	7.94	0.427
SS20	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.44	0.114
SS24	Surface	01/14/2016	<0.002	<0.002	<0.002	0.011	<25	<0.200	<100	7.71	0.740
SS25	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.71	0.109
SS26	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.11	0.309
SS29	Surface	01/14/2016	<0.002	<0.002	<0.002	0.020	<25	<0.200	<100	7.54	0.174
SS30	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	7.97	0.156
SS31	Surface	01/14/2016	<0.050	<0.050	<0.050	<0.050	<25	5.37	<100	8.20	0.512
SS32	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	140	<0.200	130	8.60	0.0603
SS33	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	7.56	0.0489
SS34	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	7.84	0.0910



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SS35	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	7.95	0.195
SS36	Surface	01/14/2016	<0.050	<0.050	<0.050	<0.050	<25	<5.00	<100	8.49	0.0854
SS37	Surface	01/14/2016	<0.050	<0.050	<0.050	<0.050	<25	<5.00	<100	8.67	0.120
SS38	Surface	01/14/2016	<0.050	<0.050	<0.050	<0.050	<25	7.47	<100	8.71	0.0607
SS39	Surface	01/14/2016	<0.050	<0.050	<0.050	<0.050	<25	<5.00	<100	8.30	0.317
SS40	Surface	01/14/2016	<0.050	<0.050	<0.050	<0.050	<25	<5.00	<100	8.86	0.0899
SS41	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.84	0.115
SS42	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.19	0.0841
SS43	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.52	0.822
SS44	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	7.83	0.0253
SS45	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.41	0.291
SS46	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.52	0.233
SS47	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.25	0.258
SS48	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.62	0.0594
SS49	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.57	0.0305
SS50	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.71	0.0417
SS51	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.63	0.0655
SS52	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.60	0.133
SS53	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.38	0.0475
SS54	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.00	0.0364
SS55	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.16	0.0114
SS56	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.28	0.0236



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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)
SS57	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.67	0.0922
SS58	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.97	0.0458
SS59	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.29	0.0724
SS60	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.39	0.0697
SS61	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.70	0.0577
SS62	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.45	0.0561
SS63	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.45	0.0682
SS64	Surface	01/14/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.37	0.110
SS11	Surface	01/15/2016	<0.050	0.182	0.082	0.955	150	36.7	<100	8.10	0.138
SS12	Surface	01/15/2016	<0.050	<0.050	<0.050	<0.050	170	5.77	<100	7.97	0.110
SS13	Surface	01/15/2016	<0.002	<0.002	<0.002	<0.002	<25	<0.200	<100	8.28	0.102
SS14	Surface	01/15/2016	<0.050	<0.050	<0.050	<0.050	<25	6.55	<100	8.16	0.140
SS15	Surface	01/15/2016	<0.050	0.285	0.246	3.10	<b>2500</b>	<b>85.0</b>	<b>740</b>	7.98	0.161
SS16	Surface	01/15/2016	<0.002	0.002	0.008	0.166	<b>2200</b>	<b>7.94</b>	<b>750</b>	8.11	0.136
SS17	Surface	01/15/2016	<0.050	<0.050	<0.050	<0.050	150	6.06	<100	7.55	0.296
SS21	Surface	01/15/2016	<0.050	<0.050	<0.050	<0.050	<25	<5.00	<100	8.42	0.110
SS22	Surface	01/15/2016	<0.050	0.066	0.055	0.784	330	49.1	120	8.27	0.110
SS23	Surface	01/15/2016	<0.050	<0.050	<0.050	0.192	120	34.7	<100	8.35	0.0978
SS27	Surface	01/15/2016	<0.050	<0.050	<0.050	<0.050	29	<5.00	<100	8.35	0.0758
SS28	Surface	01/15/2016	<0.050	<0.050	<0.050	<0.050	26	<5.00	<100	8.38	0.118
SS65	Surface	01/15/2016	<0.050	<0.050	<0.050	<0.050	<25	<5.00	<100	8.24	0.296
SS66	Surface	01/15/2016	<0.050	<0.050	<0.050	<0.050	<25	<5.00	<100	7.91	0.683



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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)
SS15 @ 4"	4"	01/18/2016	NA	NA	NA	NA	<25	0.709	<100	NA	NA
SS16 @ 4"	4"	01/18/2016	NA	NA	NA	NA	<25	0.204	<100	NA	NA
SS02 @ 3"	3"	02/08/2016	NA	NA	NA	NA	<25	<0.100	<100	NA	NA
SS04 @ 3"	3"	02/08/2016	NA	NA	NA	NA	<25	<0.100	<100	NA	NA
SS05 @ 3"	3"	02/08/2016	NA	NA	NA	NA	<25	<0.100	<100	NA	NA
SS08 @ 3"	3"	02/08/2016	NA	NA	NA	NA	<25	<0.100	<100	NA	NA
<b>COGCC Allowable Levels</b>			<b>0.17</b>	<b>85</b>	<b>100</b>	<b>175</b>	<b>500*</b>	<b>500*</b>	<b>500*</b>	<b>6-9</b>	<b>4</b>

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

NA - not analyzed/not available

ORO - oil range organics

su - standard units

\* - Standard applies to combined DRO-GRO-ORO

< - less than laboratory reporting limit

Bold indicates result exceeds allowable level



**TABLE 2**  
**SURFACE WATER ANALYTICAL AND FIELD RESULTS**  
**GEE 15C-25HZ**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL & GAS ONSHORE LP**

Sample Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)
SW01	01/09/2016	<1.0	<1.0	<1.0	<1.0
	01/12/2016	<1.0	<1.0	<1.0	<1.0
SW02	01/09/2016	<1.0	<1.0	<1.0	<1.0
	01/12/2016	<1.0	<1.0	<1.0	<1.0
SW03	01/09/2016	<1.0	<1.0	<1.0	<1.0
	01/12/2016	<1.0	<1.0	<1.0	<1.0
SW04	01/09/2016	<1.0	<1.0	<1.0	<1.0
	01/12/2016	<1.0	<1.0	<1.0	<1.0
SW05	01/09/2016	<1.0	<1.0	<1.0	<1.0
	01/12/2016	<1.0	<1.0	<1.0	<1.0
SW06	01/12/2016	<1.0	<1.0	<1.0	<1.0
SW07	01/12/2016	<1.0	<1.0	<1.0	<1.0
	02/08/2016	<1.0	<1.0	<1.0	<1.0
SW08	01/12/2016	<1.0	<1.0	<1.0	<1.0
	02/08/2016	<1.0	<1.0	<1.0	<1.0
SW09	01/12/2016	<1.0	<1.0	<1.0	<1.0
SW10	01/13/2016	<1.0	<1.0	<1.0	<1.0
SW11	01/14/2016	<1.0	<1.0	<1.0	<1.0
SW12	01/15/2016	<1.0	<1.0	<1.0	<1.0
SW13	01/15/2016	<1.0	<1.0	<1.0	<1.0
SW14	01/15/2016	<1.0	<1.0	<1.0	<1.0
SW15	01/15/2016	<1.0	<1.0	<1.0	<1.0

Notes: NA - not analyzed/not available  
µg/L - micrograms per liter  
< - less than laboratory reporting limit

