



Table 1 - Soil Analytical Data

Whiting Oil & Gas Corporation
Razor 12F Tank Battery
Weld County, Colorado

Sample ID	Lab ID	Date Sampled	Concentration (mg/kg)							mmhos/cm	Units	
			Benzene	Toluene	Ethylbenzene	Xylenes (Total)	GRO	DRO	TPH	EC	SAR	pH
COGCC Table 910-1 Concentration Levels			0.17	85	100	175	NA	NA	500	<4	<12	6-9
Background @ 4'	1610112-01	10/14/2016	NA	NA	NA	NA	NA	NA	NA	0.63	8.27	9.06
UL-1	1609160-01	9/23/2016	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50	2.64	11.3	8.83
UL-2	1609160-02	9/23/2016	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50	3.88	9.71	8.55
UL-3	1609160-03	9/23/2016	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50	4.16	12.6	8.94
UL-3 @ 6"	1609173-02	9/27/2016	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50	4.67	13.3	8.56
UL-3 @ 12"	1609199-02	9/29/2016	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50	1.18	1.18	9.83
UL-3 @ 24"	1610043-02	10/4/2016	NA	NA	NA	NA	NA	NA	NA	1.38	4.35	8.88
UL-4	1609160-04	9/23/2016	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50	0.848	0.5	8.26
UL-5	1609173-01	9/27/2016	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50	8.24	19.4	8.57
UL-5 @ 12"	1609199-09	9/29/2016	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50	7.45	2.56	8.2
UL-5 @ 24"	1610043-03	10/4/2016	NA	NA	NA	NA	NA	NA	NA	2	6.73	8.64
UL-6	1609199-03	9/29/2016	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50	0.554	0.252	9.15
UL-6 @ 12"	1610043-04	10/4/2016	NA	NA	NA	NA	NA	NA	NA	0.462	1.25	8.86
UL-7	1609199-04	9/29/2016	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50	1.96	1.11	8.58
UL-8	1609199-05	9/29/2016	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50	2.21	3.99	10.4
UL-8 @ 12"	1610043-05	10/4/2016	NA	NA	NA	NA	NA	NA	NA	2.51	6.53	8.57
UL-9	1609199-06	9/29/2016	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50	1.98	4.65	11.6
UL-9 @ 12"	1610043-06	10/4/2016	NA	NA	NA	NA	NA	NA	NA	1.71	4.5	8.46
UL-10	1609199-07	9/29/2016	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50	2.15	4.43	10.4
UL-10 @ 12"	1610043-07	10/4/2016	NA	NA	NA	NA	NA	NA	NA	1.04	4.07	9.35
UL-10 @ 3'	1610059-01	10/6/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.46
UL-10 @ 4'	1610085-01	10/11/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.7
UL-11	1609199-08	9/29/2016	<0.0018	<0.0045	<0.0045	<0.0045	<0.45	<50	<50	2.97	4.15	10.1
UL-11 @ 12"	1610043-08	10/4/2016	NA	NA	NA	NA	NA	NA	NA	0.729	3.23	9.18
UL-11 @ 3'	1610059-02	10/6/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.93
UL-11 @ 4'	1610085-02	10/11/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.43
UL-11 @ 5'	1610111-01	10/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.27
UL-11 SW-N @ 4'	1610111-02	10/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.45
UL-11 SW-S @ 4'	1610111-03	10/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.33
UL-11 SW-E @ 4'	1610111-04	10/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.4
UL-11 SW-W @ 4'	1610111-05	10/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.35
P-1	1609160-05	9/23/2016	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50	0.626	0.587	8.13
P-2	1609160-06	9/23/2016	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50	4.33	15.1	9.25
P-2 @ 6"	1609173-03	9/27/2016	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50	6.06	6.2	8.56
P-2 @ 12"	1609199-01	9/29/2016	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50	0.756	1.44	10.7
P-2 @ 24"	1610043-01	10/4/2016	NA	NA	NA	NA	NA	NA	NA	1.26	4.32	9
P-3	1609160-07	9/23/2016	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50	5	9.55	8.63
P-3 @ 12"	1609173-04	9/27/2016	0.015	<0.0050	<0.0050	<0.0050	<0.5	<50	<50	3	6.32	8.17

mg/kg - milligrams per kilogram
mmhos/cm - millimhos per centimeter
< - Analytical result is less than the reporting limit
COGCC - Colorado Oil and Gas Conservation Commission

GRO - Gasoline Range Organics
DRO - Diesel Range Organics
TPH - Total Petroleum Hydrocarbons (Combined GRO/DRO)
EC - Electrical Conductivity

SAR - Sodium Adsorption Ratio
NA - Not Analyzed