

TABLE 2
TUTTLE L 63N66W/17SEW PRODUCTION FACILITY
GROUNDWATER SAMPLE RESULTS SUMMARY TABLE
KERR-McGEE OIL AND GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth to Water (ft. BGS)	Relative GW Elev. (ft.)
COGCC Table 910-1 standards for groundwater (µg/L)⁽¹⁾		5	560	700	1400		
GW01	10/30/2014	3,140	1,400	618	8,040	~10	
BH01	11/23/2016	13,500	<4.00	369	4,950	9.75	4867.95
	4/26/2017		Not Sampled - Unable to locate well				NM
	7/7/2017		Not Sampled - Unable to locate well				NM
BH01R	11/9/2017	1,180	<4.00	57.3	287	9.94	4868.62
	1/10/2018	675	<10.0	42.2	155	9.97	4868.59
	4/9/2018	913	<4.00	38.7	92.6	10.30	4868.26
	7/25/2018	416	<10.0	24.9	63.6	10.22	4868.34
	10/9/2018	337	<10.0	20.8	<10.0	10.56	4868.00
	1/4/2019	71.6	<4.00	4.28	14.8	10.75	4867.81
	2/15/2019	Monitoring well abandoned during excavation activities					
BH01R2	6/18/2019	420	<10.0	75.6	202	11.19	4867.66
	9/9/2019	137	<10.0	31.1	76.9	10.65	4868.20
BH02	11/23/2016		Not Sampled - Well obstructed				NM
	4/26/2017		Not Sampled - Well obstructed				NM
	7/7/2017		Not Sampled - Well obstructed				NM
BH02R	11/14/2017	<1.00	<1.00	<1.00	<1.00	10.45	4868.81
	1/10/2018	<1.00	<1.00	<1.00	<1.00	10.53	4868.73
	4/9/2018	<1.00	<1.00	<1.00	<1.00	10.81	4868.45
	7/25/2018	<1.00	<1.00	<1.00	<1.00	10.80	4868.46
	10/9/2018	<1.00	<1.00	<1.00	<1.00	11.11	4868.15
	1/4/2019	<1.00	<1.00	<1.00	<1.00	11.30	4867.96
	6/18/2019	<1.00	<1.00	<1.00	<1.00	11.29	4867.97
	9/9/2019	<1.00	<1.00	<1.00	<1.00	10.72	4868.54
BH04	11/23/2016	10,300	<4.00	170	1,980	10.04	4867.80
	4/26/2017	7,250	<100	132	1,970	10.51	4867.33
	7/7/2017	<1.00	<1.00	6.75	<1.00	9.27	4868.57
	11/9/2017	5,110	<1.00	149	1,170	9.40	4868.44
	1/10/2018	4,220	<50.0	130	1,490	9.47	4868.37
	4/9/2018	2,870	<50.0	111	1,400	9.85	4867.99
	7/25/2018	3,330	<50.0	127	1,220	9.76	4868.08
	10/9/2018	3,270	<50.0	112	1,140	10.03	4867.81
	1/4/2019	1,760	<50.0	87.0	718	10.19	4867.65
	2/15/2019	Monitoring well abandoned during excavation activities					
BH04R	6/18/2019	55.5	<50.0	<50.0	57.5	10.86	4867.41
	9/9/2019	485	<50.0	<50.0	467	11.16	4867.11

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GROUNDWATER SAMPLE RESULTS SUMMARY TABLE
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Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth to Water (ft. BGS)	Relative GW Elev. (ft.)
COGCC Table 910-1 standards for groundwater (µg/L)⁽¹⁾		5	560	700	1400		
BH08	11/23/2016	<4.00	<4.00	<4.00	<4.00	10.91	4867.98
	4/26/2017	<1.00	<1.00	<1.00	<1.00	11.42	4867.47
	7/7/2017	1.09	<1.00	<1.00	1.14	10.08	4868.81
	11/14/2017	<1.00	<1.00	<1.00	<1.00	10.28	4868.61
	1/10/2018	<1.00	<1.00	<1.00	<1.00	10.36	4868.53
	4/9/2018	<1.00	<1.00	<1.00	<1.00	10.77	4868.12
	7/25/2018	<1.00	<1.00	<1.00	<1.00	10.62	4868.27
	10/9/2018	<1.00	<1.00	<1.00	<1.00	10.96	4867.93
	1/4/2019	<1.00	<1.00	<1.00	<1.00	11.15	4867.74
	2/15/2019	Monitoring well abandoned during excavation activities					
BH08R	6/18/2019	<1.00	<1.00	<1.00	<1.00	11.30	4867.72
	9/9/2019	<1.00	<1.00	<1.00	<1.00	10.66	4868.36
BH09	11/23/2016	2,280	<4.00	135	859	10.08	4867.47
	4/26/2017	2,110	<20.0	79.8	569	10.62	4866.93
	7/7/2017	2,620	<20.0	76.0	514	9.33	4868.22
	11/9/2017	1,910	<20.0	35.2	175	9.44	4868.11
	1/10/2018	2,200	<20.0	57.8	279	9.54	4868.01
	4/9/2018	2,590	<20.0	62.0	479	9.97	4867.58
	7/25/2018	4,000	<10.0	95.0	558	9.80	4867.75
	10/9/2018	3,530	<20.0	99.2	656	10.04	4867.51
	1/4/2019	526	<20.0	<20.0	70.8	10.23	4867.32
	2/15/2019	Monitoring well abandoned during excavation activities					
BH09R	6/18/2019	680	<20.0	<20.0	116	10.42	4867.18
	9/9/2019	922	<50.0	<50.0	163	9.79	4867.81
BH10	11/23/2016	<4.00	<4.00	<4.00	<4.00	10.26	4867.30
	4/26/2017	<1.00	<1.00	<1.00	<1.00	10.70	4866.86
	7/7/2017	<1.00	<1.00	<1.00	<1.00	9.34	4868.22
	11/9/2017	<1.00	<1.00	<1.00	<1.00	9.42	4868.14
	1/10/2018	<1.00	<1.00	<1.00	<1.00	9.60	4867.96
	4/9/2018	<1.00	<1.00	<1.00	<1.00	10.01	4867.55
	7/25/2018	<1.00	<1.00	<1.00	<1.00	9.81	4867.75
	10/9/2018	<1.00	<1.00	<1.00	<1.00	10.09	4867.47
	1/4/2019	<1.00	<1.00	<1.00	<1.00	10.34	4867.22
	6/18/2019	<1.00	<1.00	<1.00	<1.00	10.43	4867.13
	9/9/2019	<1.00	<1.00	<1.00	<1.00	10.81	4866.75

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COGCC Table 910-1 standards for groundwater (µg/L)⁽¹⁾		5	560	700	1400		
BH11	11/9/2017	14,000	<4.00	151	5,820	9.82	4868.63
	1/10/2018	12,300	<100	188	6,480	9.88	4868.57
	4/9/2018	10,400	<100	102	5,440	10.30	4868.15
	7/25/2018	10,800	<100	174	5,010	10.19	4868.26
	10/9/2018	12,200	<100	162	5,290	10.48	4867.97
	1/4/2019	8,270	<100	120	3,590	10.63	4867.82
	2/15/2019	Monitoring well abandoned during excavation activities					
BH11R	6/18/2019	<1.00	<1.00	<1.00	<1.00	11.43	4867.56
	9/9/2019	1.00	<1.00	<1.00	<1.00	10.76	4868.23
BH12	11/9/2017	<1.00	<1.00	<1.00	<1.00	9.22	4868.29
	1/10/2018	<1.00	<1.00	<1.00	<1.00	9.34	4868.17
	4/9/2018	<1.00	<1.00	<1.00	<1.00	9.70	4867.81
	7/25/2018	<1.00	<1.00	<1.00	<1.00	9.62	4867.89
	10/9/2018	<1.00	<1.00	<1.00	<1.00	9.85	4867.66
	1/4/2019	<1.00	<1.00	<1.00	<1.00	9.99	4867.52
	6/18/2019	<1.00	<1.00	<1.00	<1.00	10.13	4867.38
	9/9/2019	<1.00	<1.00	<1.00	<1.00	10.61	4866.90
BH13	11/9/2017	<1.00	<1.00	<1.00	<1.00	9.08	4867.88
	1/10/2018	<1.00	<1.00	<1.00	<1.00	9.21	4867.75
	4/9/2018	<1.00	<1.00	<1.00	<1.00	9.61	4867.35
	7/25/2018	<1.00	<1.00	<1.00	<1.00	9.49	4867.47
	10/9/2018	<1.00	<1.00	<1.00	<1.00	9.67	4867.29
	1/4/2019	<1.00	<1.00	<1.00	<1.00	9.89	4867.07
	6/18/2019	8.08	4.93	4.89	14.9	10.06	4866.90
	8/8/2019	1.64	<1.00	<1.00	<1.00	9.70	4867.26
	9/9/2019	<1.00	<1.00	<1.00	<1.00	9.44	4867.52
BH14	11/9/2017	<1.00	<1.00	<1.00	<1.00	10.24	4866.79
	1/10/2018	<1.00	<1.00	<1.00	<1.00	9.40	4867.63
	4/9/2018	1.42	<1.00	<1.00	<1.00	9.79	4867.24
	7/25/2018	1.51	<1.00	<1.00	<1.00	9.56	4867.47
	10/9/2018	<1.00	<1.00	<1.00	<1.00	9.82	4867.21
	1/4/2019	<1.00	<1.00	<1.00	<1.00	10.07	4866.96
	6/18/2019	2.35	<1.00	<1.00	<1.00	10.24	4866.79
	9/9/2019	1.00	<1.00	<1.00	<1.00	9.59	4867.44

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COGCC Table 910-1 standards for groundwater (µg/L) ⁽¹⁾		5	560	700	1400		

Notes:

(1) Standards for groundwater 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.

µg/L = Micrograms per liter.

ft. BGS = Feet below ground surface.

NM = Not measured.

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