

TABLE 1
PLATTEVILLE 63N66W19SSW 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)
COGCC Table 910-1 standards for groundwater (µg/L)⁽¹⁾		5	560	700	1,400	
BH01	10/30/2015		Not sampled - LNAPL present			8.00
	1/4/2016		Not sampled - LNAPL present			8.42
	4/28/2016		Not sampled - LNAPL present			7.14
	7/8/2016		Not sampled - LNAPL present			8.14
	10/12/2016	4,080	<4.00	231	2,670	12.22
	1/3/2017		Not sampled - LNAPL present			13.94
	4/10/2017	3,410	<50.0	686	6,420	12.71
	7/11/2017	7,210	<4.00	231	10,500	12.24
	10/6/2017	1,440	<4.00	408	3,490	12.07
	1/31/2018	1,710	<50.0	327	2,190	12.59
	4/9/2018	2,280	<20.0	299	2,390	12.83
	7/30/2018	628	<10.0	78.0	388	12.36
	10/2/2018	586	<50.0	108	428	12.34
	1/11/2019	588	<20.0	98.6	389	13.51
	4/1/2019	267	<4.00	147	844	12.60
	7/8/2019	389	<20.0	37.2	203	11.03
BH02	10/30/2015	10.8	1.2	59.0	103	8.34
	1/4/2016	<1.0	<1.0	<1.0	<1.0	8.75
	4/28/2016	5.7	<1.0	3.0	3.9	7.54
	7/8/2016	12.6	<1.00	<1.00	23.3	8.34
	10/12/2016	<1.00	<1.00	2.63	6.44	8.56
	1/3/2017	<1.00	<1.00	1.65	<1.00	9.96
	4/10/2017	<1.00	<1.00	<1.00	<1.00	9.06
	7/11/2017	<1.00	<1.00	2.51	4.71	8.54
	10/6/2017	<1.00	<1.00	1.26	<1.00	8.38
	1/31/2018	<1.00	<1.00	1.87	3.17	8.91
	4/9/2018	1.53	<1.00	<1.00	2.73	9.21
	7/30/2018	<1.00	<1.00	3.08	1.44	8.72
	10/2/2018	<1.00	<1.00	2.95	1.07	8.66
	1/11/2019	<1.00	<1.00	<1.00	<1.00	9.92
	4/1/2019	<1.00	<1.00	1.02	<1.00	9.01
	7/8/2019	<4.00	<4.00	<4.00	<4.00	7.47

TABLE 1
PLATTEVILLE 63N66W19SSW 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)
COGCC Table 910-1 standards for groundwater (µg/L)⁽¹⁾		5	560	700	1,400	
BH03	10/30/2015	<4.0	<4.0	<4.0	<4.0	9.59
	1/4/2016	<1.0	<1.0	<1.0	<1.0	10.02
	4/28/2016	<1.0	<1.0	1.0	<1.0	9.04
	7/8/2016	<1.00	<1.00	5.41	4.96	9.58
	10/12/2016	<1.00	<1.00	8.44	7.15	9.84
	1/3/2017	<1.00	<1.00	5.86	1.29	11.17
	4/10/2017	<1.00	<1.00	10.2	4.52	10.33
	7/11/2017	<1.00	<1.00	7.07	5.69	9.83
	10/6/2017	<4.00	<4.00	4.28	<4.00	9.60
	1/31/2018	<1.00	<1.00	10.7	1.39	10.30
	4/9/2018	<1.00	<1.00	6.35	1.48	10.47
	7/30/2018	<1.00	<1.00	7.25	4.14	9.99
	10/2/2018	<1.00	<1.00	6.27	3.12	9.91
	1/11/2019	<1.00	<1.00	6.91	1.67	11.06
	4/1/2019	<1.00	<1.00	7.95	3.61	10.31
	7/8/2019	<1.00	<1.00	1.42	<1.00	8.70
BH04	10/30/2015	8,070	18,900	548	7,330	8.58
	1/4/2016		Not sampled - LNAPL present			8.97
	4/28/2016		Not sampled - LNAPL present			7.74
	7/8/2016		Not sampled - LNAPL present			8.60
	10/12/2016	685	493	357	6,910	8.80
	1/3/2017		Not sampled - LNAPL present			10.09
	4/10/2017	322	49.2	227	3,000	9.31
	7/11/2017	352	<100	175	2,470	8.80
	10/6/2017	190	<4.00	270	15,300	8.67
	1/31/2018	41.0	<4.00	169	1,380	9.23
	4/9/2018	130	<4.00	302	1,110	9.47
	7/30/2018	86.5	<10.0	159	1,950	8.96
	10/2/2018	90.2	<4.00	152	1,590	8.92
	1/11/2019		Not sampled - LNAPL present			10.47
	4/1/2019		Not sampled - LNAPL present			9.19
	7/8/2019		Not sampled - LNAPL present			6.73

TABLE 1
PLATTEVILLE 63N66W19SSW 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)
COGCC Table 910-1 standards for groundwater (µg/L)⁽¹⁾		5	560	700	1,400	
BH05	4/28/2016	<1.0	<1.0	<1.0	<1.0	11.04
	7/8/2016	<1.00	<1.00	<1.00	<1.00	12.87
	10/12/2016	<1.00	<1.00	<1.00	1.08	12.08
	1/3/2017	<1.00	<1.00	<1.00	<1.00	13.52
	4/10/2017	<1.00	<1.00	<1.00	<1.00	12.62
	7/11/2017	<1.00	<1.00	<1.00	<1.00	12.09
	10/6/2017	<1.00	<1.00	<1.00	<1.00	11.92
	1/31/2018	<1.00	<1.00	<1.00	<1.00	12.50
	4/9/2018	<1.00	<1.00	<1.00	<1.00	12.74
	7/30/2018	<1.00	<1.00	<1.00	<1.00	12.25
	10/2/2018	<1.00	<1.00	<1.00	<1.00	12.20
	1/11/2019	<1.00	<1.00	<1.00	<1.00	13.39
	4/1/2019	<1.00	<1.00	<1.00	<1.00	12.50
	7/8/2019	<1.00	<1.00	<1.00	<1.00	10.94
BH06	4/28/2016	2,100	769	297	3,920	7.66
	7/8/2016	1,910	249	383	4,100	8.54
	10/12/2016	340	<10.0	54.2	809	8.81
	1/3/2017		Not sampled - LNAPL present			11.19
	4/10/2017		Not sampled - LNAPL present			NM
	7/11/2017		Not sampled - LNAPL present			8.76
	10/6/2017	869	<100	<100	3,320	8.65
	1/31/2018	514	<4.00	239	1,730	9.13
	4/9/2018		Not sampled - LNAPL present			9.38
	7/30/2018	284	<10.0	79.3	1,100	8.92
	10/2/2018	150	<1.00	22.6	300	8.91
	1/11/2019		Not sampled - LNAPL present			10.78
	4/1/2019		Not sampled - LNAPL present			9.17
	7/8/2019		Not sampled - LNAPL present			7.58

TABLE 1
PLATTEVILLE 63N66W19SSW 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)
COGCC Table 910-1 standards for groundwater (µg/L)⁽¹⁾		5	560	700	1,400	
BH07	4/28/2016	8,480	<1.0	142	706	7.31
	7/8/2016	6,630	<4.00	109	454	8.17
	10/12/2016	1,410	<50.0	<50.0	<50.0	8.42
	1/3/2017	52.5	<1.00	<1.00	<1.00	9.88
	4/10/2017	443	<1.00	3.46	8.34	8.91
	7/11/2017	4,170	<1.00	8.46	1.61	8.41
	10/6/2017	163	<1.00	<1.00	<1.00	8.28
	1/31/2018	567	<4.00	<4.00	<4.00	8.80
	4/9/2018	188	<1.00	<1.00	<1.00	9.03
	7/30/2018	580	<1.00	<1.00	<1.00	8.56
	10/2/2018	292	<50.0	<50.0	<50.0	8.52
	1/11/2019	3.16	<1.00	<1.00	<1.00	9.71
	4/1/2019	14.9	<4.00	<4.00	<4.00	8.77
	7/8/2019	3,950	<1.00	5.05	<1.00	7.22
BH08	4/28/2016	18.6	<4.0	<4.0	<4.0	7.58
	7/8/2016	65.1	<4.00	5.04	<4.00	8.38
	10/12/2016	34.6	<1.00	4.53	<1.00	8.62
	1/3/2017	<1.00	<1.00	<1.00	<1.00	10.05
	4/10/2017	2.85	<1.00	<1.00	<1.00	9.12
	7/11/2017	1.02	<1.00	<1.00	<1.00	8.61
	10/6/2017	<1.00	<1.00	<1.00	<1.00	8.49
	1/31/2018	<1.00	<1.00	<1.00	<1.00	9.06
	4/9/2018	<1.00	<1.00	<1.00	<1.00	9.29
	7/30/2018	<1.00	<1.00	<1.00	<1.00	8.79
	10/2/2018	<1.00	<1.00	<1.00	<1.00	8.70
	1/11/2019	<1.00	<1.00	<1.00	<1.00	9.89
	4/1/2019	<1.00	<1.00	<1.00	<1.00	9.05
	7/8/2019	<1.00	<1.00	<1.00	<1.00	7.47
BH09	4/28/2016	Monitoring Well Destroyed				7.50

TABLE 1
PLATTEVILLE 63N66W19SSW 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)
COGCC Table 910-1 standards for groundwater (µg/L)⁽¹⁾		5	560	700	1,400	
BH09R	7/8/2016	1,320	174	96.1	1,300	8.32
	10/12/2016	96.6	<10.0	46.9	586	8.57
	1/3/2017		Not sampled - LNAPL present			10.80
	4/10/2017	506	<4.00	133	1,850	9.08
	7/11/2017		Not sampled - LNAPL present			8.57
	10/6/2017	181	<4.00	59.2	1,900	8.43
	1/31/2018	164	<4.00	305	4,450	8.99
	4/9/2018	261	<10.0	68.4	1,480	9.22
	7/30/2018	254	<10.0	102	1,290	8.75
	10/2/2018	112	<4.00	109	1,070	8.67
	1/11/2019		Not sampled - LNAPL present			10.03
	4/1/2019	68.8	<4.00	108	1,440	8.95
	7/8/2019	128	<10.0	118	3,310	7.41
BH10	7/11/2017	<1.00	<1.00	<1.00	<1.00	9.55
	10/6/2017	<1.00	<1.00	<1.00	<1.00	9.38
	1/31/2018	<4.00	<4.00	<4.00	<4.00	10.05
	4/9/2018	<1.00	<1.00	<1.00	<1.00	10.24
	7/30/2018	<1.00	<1.00	<1.00	<1.00	9.75
	10/2/2018	<1.00	<1.00	<1.00	<1.00	9.63
	1/11/2019	<1.00	<1.00	<1.00	<1.00	10.81
	4/1/2019	<1.00	<1.00	<1.00	<1.00	10.05
	7/8/2019	<1.00	<1.00	<1.00	<1.00	8.46
BH11	7/11/2017	<1.00	<1.00	1.02	1.27	9.69
	10/6/2017	<1.00	<1.00	<1.00	<1.00	9.50
	1/31/2018	<4.00	<4.00	<4.00	<4.00	10.14
	4/9/2018	<1.00	<1.00	<1.00	<1.00	10.32
	7/30/2018	<1.00	<1.00	<1.00	<1.00	9.85
	10/2/2018	<1.00	<1.00	1.75	<1.00	9.75
	1/11/2019	<1.00	<1.00	<1.00	<1.00	10.94
	4/1/2019	<1.00	<1.00	<1.00	<1.00	10.12
	7/8/2019	<1.00	<1.00	1.76	<1.00	8.51

TABLE 1
PLATTEVILLE 63N66W19SWSW 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)
COGCC Table 910-1 standards for groundwater (µg/L)⁽¹⁾		5	560	700	1,400	
BH12	7/11/2017	<1.00	<1.00	<1.00	<1.00	9.04
	10/6/2017	<1.00	<1.00	<1.00	<1.00	8.90
	1/31/2018	<4.00	<4.00	<4.00	<4.00	9.44
	4/9/2018	<1.00	<1.00	<1.00	<1.00	9.67
	7/30/2018	<1.00	<1.00	<1.00	<1.00	9.21
	10/2/2018	1.10	<1.00	<1.00	<1.00	9.12
	1/11/2019	<1.00	<1.00	<1.00	<1.00	10.32
	4/1/2019	<1.00	<1.00	<1.00	<1.00	9.43
	7/8/2019	5.82	<1.00	<1.00	<1.00	7.87
BH13	7/11/2017	4.96	<1.00	<1.00	<1.00	10.59
	10/6/2017	2.03	<1.00	<1.00	<1.00	10.47
	1/31/2018	7.44	<4.00	<4.00	<4.00	10.93
	4/9/2018	<1.00	<1.00	<1.00	<1.00	11.18
	7/30/2018	<1.00	<1.00	<1.00	<1.00	10.74
	10/2/2018	<1.00	<1.00	<1.00	<1.00	10.72
	1/11/2019	<1.00	<1.00	<1.00	<1.00	11.93
	4/1/2019	3.88	<1.00	<1.00	<1.00	10.92
	7/8/2019	<1.00	<1.00	<1.00	<1.00	9.38
BH14	7/11/2017	2.28	<1.00	<1.00	<1.00	10.36
	10/6/2017	<1.00	<1.00	<1.00	<1.00	10.24
	1/31/2018	11.4	<4.00	<4.00	<4.00	10.66
	4/9/2018	<1.00	<1.00	<1.00	<1.00	10.93
	7/30/2018	<1.00	<1.00	<1.00	<1.00	10.47
	10/2/2018	<1.00	<1.00	<1.00	<1.00	10.50
	1/11/2019	<1.00	<1.00	<1.00	<1.00	11.73
	4/1/2019	<1.00	<1.00	<1.00	<1.00	10.63
	7/8/2019	<1.00	<1.00	<1.00	<1.00	9.10
BH15	7/11/2017	<1.00	<1.00	<1.00	<1.00	8.75
	10/6/2017	<1.00	<1.00	<1.00	<1.00	8.62
	1/31/2018	<4.00	<4.00	<4.00	<4.00	9.05
	4/9/2018	<1.00	<1.00	<1.00	<1.00	9.32
	7/30/2018	<1.00	<1.00	<1.00	<1.00	8.87
	10/2/2018	<1.00	<1.00	<1.00	<1.00	8.88
	1/11/2019	<1.00	<1.00	<1.00	<1.00	10.09
	4/1/2019	<1.00	<1.00	<1.00	<1.00	9.01
	7/8/2019	<1.00	<1.00	<1.00	<1.00	7.49

TABLE 1
PLATTEVILLE 63N66W19SSW 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)
COGCC Table 910-1 standards for groundwater (µg/L)⁽¹⁾		5	560	700	1,400	
BH16	7/11/2017	<1.00	<1.00	<1.00	<1.00	9.25
	10/6/2017	<1.00	<1.00	<1.00	<1.00	9.10
	1/31/2018	<4.00	<4.00	<4.00	<4.00	9.89
	4/9/2018	<1.00	<1.00	<1.00	<1.00	9.85
	7/30/2018	<1.00	<1.00	<1.00	<1.00	9.39
	10/2/2018	<1.00	<1.00	<1.00	<1.00	9.37
	1/11/2019	<1.00	<1.00	<1.00	<1.00	10.57
	4/1/2019	<1.00	<1.00	<1.00	<1.00	9.56
	7/8/2019	<1.00	<1.00	<1.00	<1.00	8.04
BH17	10/2/2018	<1.00	<1.00	<1.00	<1.00	9.95
	1/11/2019	<1.00	<1.00	<1.00	<1.00	11.19
	4/1/2019	<1.00	<1.00	<1.00	<1.00	10.33
	7/8/2019	<1.00	<1.00	<1.00	<1.00	8.45
BH18	10/2/2018	<1.00	<1.00	<1.00	<1.00	10.79
	1/11/2019	<1.00	<1.00	<1.00	<1.00	12.02
	4/1/2019	<1.00	<1.00	<1.00	<1.00	10.85
	7/8/2019	<1.00	<1.00	<1.00	<1.00	9.35
BH19	10/2/2018	<1.00	<1.00	<1.00	<1.00	10.21
	1/11/2019	<1.00	<1.00	<1.00	<1.00	11.43
	4/1/2019	<1.00	<1.00	<1.00	<1.00	10.00
	7/8/2019	<1.00	<1.00	<1.00	<1.00	8.87

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.

* feet below ground surface

LNAPL = Light non-aqueous phase liquid.

NM = Not measured.

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