

TABLE 1
HSR-HALL 64N66W31NSW 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. BTOC)
COGCC Table 910-1 standards for groundwater (µg/L)⁽¹⁾		5	560	700	1,400	
GW01	5/26/2016	95.9	2,980	552	10,900	~11*
GW02	5/31/2016	29.0	1,960	495	8,740	~11*
BH01	11/30/2016	<1.00	<1.00	<1.00	<1.00	13.51
	2/16/2017	<1.00	<1.00	<1.00	<1.00	14.79
	5/17/2017	<1.00	<1.00	<1.00	<1.00	14.24
	8/2/2017	<1.00	<1.00	<1.00	<1.00	11.39
	11/2/2017	<1.00	<1.00	<1.00	<1.00	10.56
	2/6/2018	<1.00	<1.00	<1.00	<1.00	13.26
	4/9/2018	<1.00	<1.00	<1.00	<1.00	13.94
	8/2/2018	<1.00	<1.00	<1.00	<1.00	11.91
	11/12/2018	<1.00	<1.00	<1.00	<1.00	12.32
	2/20/2019	<1.00	<1.00	<1.00	<1.00	15.10
BH02	11/30/2016	<1.00	8.61	312	4,770	12.99
	2/16/2017	<1.00	13.9	602	11,100	15.27
	5/17/2017	<1.00	5.95	99.7	3,100	14.73
	8/2/2017	<4.00	<4.00	177	2,390	11.87
	11/2/2017	<1.00	<1.00	76.3	1,130	11.05
	2/6/2018	<4.00	<4.00	197	1,890	13.74
	4/9/2018	<4.00	<4.00	131	1,740	14.41
	8/2/2018	<4.00	<4.00	162	2,090	12.38
	11/12/2018	<4.00	<4.00	138	2,220	12.79
	2/20/2019	<4.00	<4.00	182	1,810	15.57
BH03	11/30/2016	24.1	9,530	351	4,940	13.37
	2/16/2017	34.4	10,100	512	8,520	15.65
	5/17/2017	20.9	5,290	62.8	5,190	15.12
	8/2/2017	<4.00	3,460	215	2,800	12.24
	11/2/2017	<4.00	3,320	137	2,160	11.43
	2/6/2018	<4.00	5,690	296	4,310	14.13
	4/9/2018	<4.00	3,790	198	3,680	14.79
	8/2/2018	<4.00	2,980	187	2,370	12.76
	11/12/2018	<4.00	2,030	137	1,820	13.17
	2/20/2019	<4.00	2,080	201	2,930	15.94

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COGCC Table 910-1 standards for groundwater (µg/L)⁽¹⁾		5	560	700	1,400	
BH04	11/30/2016	<1.00	4.25	<1.00	13.2	13.16
	2/16/2017	<1.00	<1.00	<1.00	<1.00	15.43
	5/17/2017	<1.00	<1.00	<1.00	<1.00	14.90
	8/2/2017	<4.00	<4.00	<4.00	<4.00	12.04
	11/2/2017	<1.00	<1.00	<1.00	<1.00	11.22
	2/6/2018	<1.00	<1.00	<1.00	<1.00	13.92
	4/9/2018	<1.00	<1.00	<1.00	<1.00	14.59
	8/2/2018	<1.00	<1.00	<1.00	<1.00	12.57
	11/12/2018	<1.00	<1.00	<1.00	<1.00	12.97
	2/20/2019	<1.00	<1.00	<1.00	<1.00	15.73
BH05	2/16/2017	<1.00	<1.00	<1.00	<1.00	15.84
	5/17/2017	<1.00	<1.00	<1.00	<1.00	15.29
	8/2/2017	<1.00	<1.00	<1.00	<1.00	12.43
	11/2/2017	<1.00	<1.00	<1.00	<1.00	11.61
	2/6/2018	<1.00	<1.00	<1.00	<1.00	14.31
	4/9/2018	<1.00	<1.00	<1.00	<1.00	14.98
	8/2/2018	<1.00	<1.00	<1.00	<1.00	12.95
	11/12/2018	<1.00	<1.00	<1.00	<1.00	13.36
	2/20/2019	<1.00	<1.00	<1.00	<1.00	16.14
BH06	2/16/2017	<1.00	<1.00	<1.00	<1.00	16.36
	5/17/2017	<1.00	<1.00	<1.00	<1.00	15.81
	8/2/2017	<1.00	<1.00	<1.00	<1.00	12.95
	11/2/2017	<1.00	<1.00	<1.00	<1.00	12.12
	2/6/2018	<1.00	<1.00	<1.00	<1.00	14.80
	4/9/2018	<1.00	<1.00	<1.00	<1.00	15.50
	8/2/2018	<1.00	<1.00	<1.00	<1.00	13.47
	11/12/2018	<1.00	<1.00	<1.00	<1.00	13.89
	2/20/2019	<1.00	<1.00	<1.00	<1.00	16.67

TABLE 1
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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. BTOC)
COGCC Table 910-1 standards for groundwater (µg/L)⁽¹⁾		5	560	700	1,400	
BH07	2/16/2017	<1.00	<1.00	<1.00	<1.00	16.15
	5/17/2017	<1.00	<1.00	<1.00	<1.00	15.60
	8/2/2017	<1.00	<1.00	<1.00	<1.00	12.74
	11/2/2017	<1.00	<1.00	<1.00	<1.00	11.91
	2/6/2018	<1.00	<1.00	<1.00	<1.00	14.63
	4/9/2018	<1.00	<1.00	<1.00	<1.00	15.30
	8/2/2018	<1.00	<1.00	<1.00	<1.00	13.26
	11/12/2018	<1.00	<1.00	<1.00	<1.00	13.67
	2/20/2019	<1.00	<1.00	<1.00	<1.00	16.45
BH08	2/16/2017	6.58	1,760	284	4,180	16.36
	5/17/2017	<1.00	<1.00	<1.00	36.9	15.82
	8/2/2017	<1.00	71.5	77.8	1,080	12.96
	11/2/2017	<4.00	<4.00	34.2	431	12.14
	2/6/2018	<4.00	9.88	58.8	812	14.84
	4/9/2018	<4.00	<4.00	22.3	330	15.51
	8/2/2018	<1.00	<1.00	48.6	422	13.47
	11/12/2018	<1.00	<1.00	30.1	318	13.88
	2/20/2019	<1.00	<1.00	105	1,090	16.65
BH09	5/17/2017	<1.00	<1.00	<1.00	<1.00	15.56
	8/2/2017	<1.00	<1.00	<1.00	<1.00	12.70
	11/2/2017	<1.00	<1.00	<1.00	<1.00	11.86
	2/6/2018	<1.00	<1.00	<1.00	<1.00	14.60
	4/9/2018	<1.00	<1.00	<1.00	<1.00	15.26
	8/2/2018	<1.00	<1.00	<1.00	<1.00	13.22
	11/12/2018	<1.00	<1.00	<1.00	<1.00	13.62
	2/20/2019	<1.00	<1.00	<1.00	<1.00	16.41

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Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth To Water (ft. BTOC)
COGCC Table 910-1 standards for groundwater (µg/L)⁽¹⁾		5	560	700	1,400	
BH10	5/17/2017	9.18	<1.00	<1.00	598	15.85
	8/2/2017	<1.00	<1.00	144	772	12.97
	11/2/2017	<4.00	<4.00	61.2	872	12.16
	2/6/2018	7.68	<4.00	199	2,010	14.86
	4/9/2018	<4.00	<4.00	79.0	1,600	15.54
	8/2/2018	<4.00	<4.00	147	2,040	13.50
	11/12/2018	<4.00	<4.00	145	1,930	13.90
	2/20/2019	10.3	<4.00	445	6,400	16.69
BH11	5/17/2017	15.6	3,620	72.8	5,730	14.96
	8/2/2017	16.9	3,970	236	4,330	12.09
	11/2/2017	5.08	3,490	175	2,350	11.27
	2/6/2018	<4.00	1,050	58.2	1,050	13.98
	4/9/2018	<4.00	3,750	182	4,710	14.65
	8/2/2018	<4.00	2,220	157	2,210	12.62
	11/12/2018	<4.00	841	104	1,290	13.02
	2/20/2019	<4.00	113	23.8	278	15.78
BH12	4/9/2018	<1.00	<1.00	<1.00	<1.00	10.74
	8/2/2018	<1.00	<1.00	<1.00	<1.00	8.67
	11/12/2018	<1.00	<1.00	<1.00	<1.00	9.10
	2/20/2019	<1.00	<1.00	<1.00	<1.00	11.85
BH13	4/9/2018	28.6	<4.00	262	3,340	15.09
	8/2/2018	21.4	<4.00	186	2,190	13.04
	11/12/2018	4.76	<4.00	138	1,600	13.45
	2/20/2019	7.57	203	233	3,120	16.22
BH14	4/9/2018	<1.00	<1.00	<1.00	<1.00	15.67
	8/2/2018	<1.00	<1.00	<1.00	<1.00	13.64
	11/12/2018	<1.00	<1.00	<1.00	<1.00	14.04
	2/20/2019	<1.00	<1.00	<1.00	<1.00	16.82
BH15	10/24/2018	75.6	1.03	254	3,710	11.84
	11/12/2018	64.3	<1.00	249	3,370	11.93
	2/20/2019	<4.00	<4.00	9.32	56.4	14.69

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Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth To Water (ft. BTOC)
COGCC Table 910-1 standards for groundwater (µg/L)⁽¹⁾		5	560	700	1,400	
BH16	1/23/2019	<1.00	<1.00	<1.00	<1.00	14.25
	2/20/2019	<1.00	<1.00	<1.00	<1.00	14.98
BH17	1/23/2019	<1.00	<1.00	<1.00	<1.00	10.84
	2/20/2019	<1.00	<1.00	<1.00	<1.00	11.57
BH18	1/23/2019	<1.00	<1.00	<1.00	<1.00	10.76
	2/20/2019	<1.00	<1.00	<1.00	<1.00	11.50
BH19	1/23/2019	45.5	<1.00	67.6	374	14.00
	2/20/2019	80.6	<1.00	177	550	14.71

Notes:

1. Standards for groundwater are taken from 2 CCR 404-1, Table 910-1, effective January 30, 2015.

COGCC = Colorado Oil and Gas Conservation Commission

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

µg/L = Micrograms per liter.

ft. BTOC = Feet below top of casing.

* feet below ground surface

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