

TABLE 1
HOWARD 25C-22HZ
GROUNDWATER SAMPLE RESULTS SUMMARY TABLE
KERR-MCGEE OIL & 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	1400	
GW01	5/1/2014	311	21.3	5.8	20.7	~4*
BH01	11/20/2014	<1.0	<1.0	<1.0	<1.0	4.54
	6/30/2016	<1.00	<1.00	<1.00	<1.00	1.86
	9/6/2016	<1.00	<1.00	<1.00	<1.00	2.45
	12/20/2016	<1.00	<1.00	<1.00	<1.00	5.45
	3/1/2017	<1.00	<1.00	<1.00	<1.00	5.62
	6/2/2017	<1.00	<1.00	<1.00	<1.00	4.09
	9/6/2017	<1.00	<1.00	<1.00	<1.00	3.61
	12/6/2017	<1.00	<1.00	<1.00	<1.00	5.03
	3/1/2018	<1.00	<1.00	<1.00	<1.00	5.26
	5/25/2018	<1.00	<1.00	<1.00	<1.00	4.29
BH02	11/20/2014	<1.0	<1.0	<1.0	<1.0	5.83
	6/30/2016	<1.00	<1.00	<1.00	<1.00	1.02
	9/6/2016	<1.00	<1.00	<1.00	<1.00	3.19
	12/20/2016	<1.00	<1.00	<1.00	<1.00	6.14
	3/1/2017	<1.00	<1.00	<1.00	<1.00	6.00
	6/2/2017	<1.00	<1.00	<1.00	<1.00	4.12
	9/6/2017	<1.00	<1.00	<1.00	<1.00	3.26
	12/6/2017	<1.00	<1.00	<1.00	<1.00	5.20
	3/1/2018	<1.00	<1.00	<1.00	<1.00	5.09
	5/25/2018	<1.00	<1.00	<1.00	<1.00	3.71
BH03	11/20/2014	<1.0	<1.0	<1.0	<1.0	6.24
	6/30/2016	<1.00	<1.00	<1.00	<1.00	3.16
	9/6/2016	<1.00	<1.00	<1.00	<1.00	4.61
	12/20/2016	<1.00	<1.00	<1.00	<1.00	6.28
	3/1/2017	<1.00	<1.00	<1.00	<1.00	6.47
	6/2/2017	<1.00	<1.00	<1.00	<1.00	5.52
	9/6/2017	<1.00	<1.00	<1.00	<1.00	5.41
	12/6/2017	<1.00	<1.00	<1.00	<1.00	6.03
	3/1/2018	<1.00	<1.00	<1.00	<1.00	6.55
	5/25/2018	<1.00	<1.00	<1.00	<1.00	5.38

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COGCC Table 910-1 standards for groundwater (µg/L)⁽¹⁾		5	560	700	1400	
BH04	6/30/2016	<1.00	<1.00	<1.00	<1.00	4.13
	9/6/2016	<4.00	<4.00	<4.00	<4.00	4.99
	12/20/2016	<1.00	<1.00	<1.00	<1.00	6.67
	3/1/2017	<1.00	<1.00	<1.00	<1.00	9.08
	6/2/2017	<1.00	<1.00	<1.00	<1.00	5.04
	9/6/2017	<1.00	<1.00	<1.00	<1.00	8.97
	12/6/2017	<4.00	<4.00	<4.00	<4.00	9.99
	3/1/2018	Insufficient volume for sample collection				10.62
	5/25/2018	Insufficient volume for sample collection				10.64
BH05	6/30/2016	<1.00	<1.00	<1.00	<1.00	9.58
	9/6/2016	<1.00	<1.00	<1.00	<1.00	8.93
	12/20/2016	Insufficient volume for sample collection				10.48
	3/1/2017	<1.00	<1.00	<1.00	<1.00	6.06
	6/2/2017	<1.00	<1.00	<1.00	<1.00	2.75
	9/6/2017	<1.00	<1.00	<1.00	<1.00	7.37
	12/6/2017	<1.00	<1.00	<1.00	<1.00	6.26
	3/1/2018	<1.00	<1.00	<1.00	<1.00	4.55
	5/25/2018	<1.00	<1.00	<1.00	<1.00	3.99
BH06	6/30/2016	<1.00	<1.00	<1.00	<1.00	4.57
	9/6/2016	<1.00	<1.00	<1.00	<1.00	4.99
	12/20/2016	1.00	<1.00	<1.00	<1.00	8.00
	3/1/2017	<1.00	<1.00	<1.00	<1.00	9.36
	6/2/2017	<1.00	<1.00	<1.00	<1.00	3.57
	9/6/2017	<1.00	<1.00	<1.00	<1.00	5.57
	12/6/2017	4.90	<1.00	<1.00	<1.00	6.01
	3/1/2018	1.03	<1.00	<1.00	<1.00	3.52
	5/25/2018	<1.00	<1.00	<1.00	<1.00	3.65
BH07	6/30/2016	38.2	<1.00	74.4	232	6.07
	9/6/2016	54.4	<4.00	68.9	186	6.29
	12/20/2016	Insufficient volume for sample collection				9.78
	3/1/2017	Insufficient volume for sample collection				10.71

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COGCC Table 910-1 standards for groundwater (µg/L)⁽¹⁾		5	560	700	1400	
BH07R	6/2/2017	Insufficient volume for sample collection				15.08
	9/6/2017	92.6	<1.00	14.7	20.8	13.60
	12/6/2017	88.8	<4.00	<4.00	<4.00	14.46
	3/1/2018	Insufficient volume for sample collection				15.11
BH07R2	5/25/2018	<1.00	<1.00	<1.00	<1.00	21.35
BH08	6/30/2016	<1.00	<1.00	<1.00	<1.00	7.11
	9/6/2016	<1.00	<1.00	<1.00	<1.00	4.45
	12/20/2016	<1.00	<1.00	<1.00	<1.00	6.29
	3/1/2017	<1.00	<1.00	<1.00	<1.00	5.71
	6/2/2017	<1.00	<1.00	<1.00	<1.00	4.45
	9/6/2017	<1.00	<1.00	<1.00	<1.00	4.93
	12/6/2017	<1.00	<1.00	<1.00	<1.00	6.28
	3/1/2018	<1.00	<1.00	<1.00	<1.00	4.73
BH09	5/25/2018	<1.00	<1.00	<1.00	<1.00	4.79
	6/2/2017	<1.00	<1.00	<1.00	<1.00	17.12
	9/6/2017	Insufficient volume for sample collection				18.81
	12/6/2017	Insufficient volume for sample collection				18.93
BH09R	3/1/2018	Insufficient volume for sample collection				18.97
	5/25/2018	<1.00	<1.00	<1.00	<1.00	21.19
BH10	6/2/2017	Insufficient volume for sample collection				DRY
	9/6/2017	Insufficient volume for sample collection				DRY
	12/6/2017	Insufficient volume for sample collection				19.18
	3/1/2018	Insufficient volume for sample collection				DRY
BH10R	5/25/2018	<1.00	<1.00	<1.00	<1.00	14.71
BH11	5/25/2018	<1.00	<1.00	<1.00	<1.00	20.72

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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 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

Insufficient volume for sample collection = Well not sampled due to slow recharge or < 0.5 feet of water column.

DRY = No water detected in well.

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