

**TABLE 1**  
**ERNIE F ADAMSON GAS UNIT-62N65W/21SSW 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)
<b>COGCC Table 910-1 standards for groundwater (µg/L)<sup>(1)</sup></b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1400</b>	
GWN-01	12/30/2016	<b>98.6</b>	242	177	<b>3,090</b>	~ 35
GWN-02	1/9/2017	<b>152</b>	398	<b>1,510</b>	<b>19,700</b>	~ 35
GWN-03	1/17/2017	4.00	8.76	19.2	305	~ 35
GWN-04	2/13/2017	<4.00	<4.00	<4.00	83.4	~ 35
GWS-01	12/30/2016	<b>110</b>	543	500	<b>7,450</b>	~ 35
GWS-02	1/9/2017	<b>301</b>	293	679	<b>10,800</b>	~ 35
GWS-03	1/17/2017	<b>19.0</b>	19.2	85.0	1,150	~ 35
GWS-04	2/13/2017	<4.00	<4.00	4.00	141	~ 35
BH01	9/2/2016 12/19/2016	<b>1,000</b>	13.4	<b>1,010</b>	<b>9,870</b>	~ 32.5
		Well Removed During Soil Mixing Activities				
BH02	9/2/2016 12/19/2016	<b>1,240</b>	<4.00	<b>1,540</b>	<b>15,700</b>	~ 35
		Well Removed During Soil Mixing Activities				
BH03	9/2/2016 12/19/2016	<4.00	<4.00	<4.00	12.6	~ 32
		Well Removed During Soil Mixing Activities				
BH04	3/27/2017	<b>15.6</b>	<4.00	<b>700</b>	<b>10,700</b>	27.89
	6/2/2017	<4.00	<4.00	633	<b>5,830</b>	27.60
	9/28/2017	<b>77.2</b>	<4.00	<b>893</b>	<b>6,350</b>	34.94
	12/5/2017	<b>100</b>	<4.00	667	<b>3,900</b>	32.71
	3/6/2018	<b>50.6</b>	<4.00	402	<b>3,230</b>	28.08
	6/19/2018	<b>13.9</b>	<4.00	539	<b>5,230</b>	31.24
	9/26/2018	<b>10.8</b>	<4.00	70.3	213	34.56
	12/5/2018	<b>13.9</b>	1.04	309	<b>2,080</b>	32.74
	3/18/2019	<b>6.56</b>	<4.00	328	<b>2,050</b>	28.02
	6/25/2019	4.56	<4.00	275	1,340	28.13
	9/3/2019	<b>8.16</b>	<4.00	115	534	34.19

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<b>COGCC Table 910-1 standards for groundwater (µg/L)<sup>(1)</sup></b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1400</b>	
BH05	3/27/2017	19.7	<4.00	575	5,740	27.67
	6/2/2017	8.32	<4.00	677	2,710	27.35
	9/28/2017	231	4.36	1,430	11,400	34.56
	12/5/2017	24.0	<4.00	677	2,940	32.68
	3/6/2018	12.5	<4.00	508	2,150	27.78
	6/19/2018	18.4	<4.00	618	3,170	30.86
	9/26/2018	44.0	<10.0	615	3,000	34.25
	12/5/2018	15.5	<1.00	316	442	32.71
	3/18/2019	4.40	<4.00	229	357	27.86
	6/25/2019	<4.00	<4.00	15.8	177	27.94
	9/3/2019	18.0	<4.00	185	838	33.72
BH06	3/27/2017	<4.00	<4.00	43.6	310	27.82
	6/2/2017	<1.00	<1.00	23.6	170	27.47
	9/28/2017	<4.00	<4.00	31.3	773	34.90
	12/5/2017	1.14	<1.00	<1.00	6.48	32.59
	3/6/2018	<4.00	<4.00	<4.00	<4.00	28.04
	6/19/2018	<4.00	<4.00	22.6	171	31.12
	9/26/2018	<1.00	<1.00	27.3	188	34.68
	12/5/2018	<1.00	<1.00	5.02	38.2	32.72
	3/18/2019	<4.00	<4.00	<4.00	<4.00	27.93
	6/25/2019	<1.00	<1.00	<1.00	11.7	28.08
	9/3/2019	2.21	<1.00	14.8	72.1	34.15
BH07	3/27/2017	<1.00	<1.00	12.1	64.0	28.21
	6/2/2017	<1.00	<1.00	<1.00	7.90	27.97
	9/28/2017	<1.00	<1.00	<1.00	2.16	35.50
	12/5/2017	<1.00	<1.00	<1.00	<1.00	33.04
	3/6/2018	<1.00	<1.00	<1.00	<1.00	32.47
	6/19/2018	<1.00	<1.00	<1.00	5.33	31.75
	9/26/2018	<1.00	<1.00	<1.00	<1.00	35.11
	12/5/2018	<1.00	<1.00	1.98	22.7	33.16
	3/18/2019	<4.00	<4.00	<4.00	<4.00	28.45
	6/25/2019	<1.00	<1.00	<1.00	<1.00	28.57
	9/3/2019	<1.00	<1.00	<1.00	<1.00	34.78

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<b>COGCC Table 910-1 standards for groundwater (µg/L)<sup>(1)</sup></b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1400</b>	
BH08	3/27/2017	<b>15.4</b>	<4.00	418	<b>2,270</b>	27.82
	6/2/2017	<4.00	<4.00	338	957	27.52
	9/28/2017	<b>1,110</b>	<4.00	467	<b>9,140</b>	34.77
	12/5/2017	<b>26.7</b>	<4.00	<b>733</b>	<b>1,770</b>	32.88
	3/6/2018	<b>9.78</b>	<1.00	463	148	28.16
	6/19/2018	<b>58.2</b>	<1.00	317	305	31.03
	9/26/2018	<b>424</b>	<10.0	<b>1,030</b>	<b>7,220</b>	34.46
	12/5/2018	<b>7.34</b>	<1.00	516	396	32.93
	3/18/2019	3.28	<1.00	484	112	28.04
	6/25/2019	1.97	<1.00	376	88.8	28.18
	9/3/2019	<b>361</b>	<4.00	<b>703</b>	<b>3,460</b>	33.92
BH09	3/27/2017	<b>321</b>	<4.00	666	<b>8,050</b>	29.69
	6/2/2017	<b>98.0</b>	<50.0	<b>754</b>	<b>5,980</b>	29.34
	9/28/2017	<b>989</b>	<1.00	<1.00	<b>6,790</b>	36.51
	12/5/2017	Monitoring Well Destroyed				
BH09R	8/24/2018	<b>811</b>	<50.0	<b>1,010</b>	<b>9,240</b>	35.23
	9/26/2018	<b>950</b>	<50.0	<b>1,240</b>	<b>11,300</b>	36.24
	12/5/2018	<b>762</b>	<1.00	<b>1,170</b>	<b>11,200</b>	34.83
	3/18/2019	<b>99.0</b>	<20.0	<b>903</b>	<b>5,430</b>	29.95
	6/25/2019	<b>17.4</b>	<4.00	91.4	768	30.01
	9/3/2019	<b>722</b>	<50.0	<b>963</b>	<b>7,710</b>	35.66
BH10	3/27/2017	<b>2,610</b>	<b>2,750</b>	<b>1,470</b>	<b>21,500</b>	29.65
	6/2/2017	<b>1,870</b>	<b>1,620</b>	<b>1,010</b>	<b>13,800</b>	29.37
	9/28/2017	<b>2,170</b>	273	66.3	<b>10,900</b>	36.51
	12/5/2017	<b>1,740</b>	432	<b>732</b>	<b>11,900</b>	34.73
	3/6/2018	<b>980</b>	512	571	<b>10,200</b>	29.61
	6/19/2018	<b>1,390</b>	193	272	<b>10,400</b>	35.87
	9/26/2018	<b>2,720</b>	<50.0	595	<b>12,100</b>	36.19
	12/5/2018	<b>1,160</b>	154	<b>854</b>	<b>11,100</b>	34.81
	3/18/2019	<b>1,000</b>	129	657	<b>7,010</b>	29.97
	6/25/2019	<b>2,460</b>	67.9	246	<b>11,600</b>	30.01
	9/3/2019	<b>1,550</b>	<50.0	466	<b>7,920</b>	35.70

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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)
<b>COGCC Table 910-1 standards for groundwater (µg/L)<sup>(1)</sup></b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1400</b>	
BH11	8/24/2018	<4.00	<4.00	15.7	<4.00	35.38
	9/26/2018	2.36	<1.00	<1.00	<1.00	36.37
	12/5/2018	<b>441</b>	<1.00	<b>715</b>	<b>2,000</b>	34.98
	3/18/2019	<b>14.8</b>	<1.00	219	<1.00	30.13
	6/25/2019	<b>19.8</b>	<10.0	196	51.6	30.18
	9/3/2019	2.03	<1.00	1.29	<1.00	35.79
BH12	8/24/2018	<b>212</b>	<4.00	602	<b>6,220</b>	35.62
	9/26/2018	<b>221</b>	<4.00	<b>722</b>	<b>3,440</b>	36.61
	12/5/2018	<b>604</b>	<4.00	<b>1,140</b>	<b>10,300</b>	35.27
	3/18/2019	<b>956</b>	<1.00	<b>1,160</b>	<b>7,230</b>	30.39
	6/25/2019	<b>152</b>	<10.0	277	<b>1,930</b>	30.45
	9/3/2019	<b>109</b>	<50.0	416	<b>2,240</b>	36.03
BH13	8/24/2018	<b>395</b>	<4.00	<b>1,260</b>	<b>15,500</b>	36.37
	9/26/2018	<b>410</b>	<50.0	<b>1,710</b>	<b>18,700</b>	37.32
	12/5/2018	<b>506</b>	<1.00	<b>1,640</b>	<b>19,200</b>	36.04
	3/18/2019	<b>414</b>	<1.00	<b>1,380</b>	<b>13,200</b>	31.18
	6/25/2019	<b>284</b>	<4.00	<b>1,450</b>	<b>18,300</b>	31.22
	9/3/2019	<b>130</b>	<50.0	<b>1,200</b>	<b>13,600</b>	36.74
BH14	8/24/2018	<b>6,810</b>	<b>15,000</b>	<b>2,040</b>	<b>29,500</b>	36.72
	9/26/2018	<b>2,430</b>	<b>8,980</b>	<b>2,680</b>	<b>38,500</b>	37.66
	12/5/2018	<b>7,060</b>	<b>20,600</b>	<b>1,760</b>	<b>27,800</b>	36.27
	3/18/2019	<b>3,700</b>	<b>9,310</b>	<b>1,300</b>	<b>20,400</b>	31.48
	6/25/2019	<b>4,180</b>	<b>10,300</b>	<b>1,090</b>	<b>17,000</b>	31.50
	9/3/2019	<b>4,940</b>	<b>16,000</b>	<b>1,500</b>	<b>32,600</b>	37.15
BH15	8/24/2018	<b>257</b>	6.92	294	220	35.58
	9/26/2018	<b>346</b>	<4.00	510	1,120	36.58
	12/5/2018	<b>250</b>	1.98	480	980	35.14
	3/18/2019	<b>22.0</b>	3.56	360	31.3	30.28
	6/25/2019	<b>14.4</b>	<10.0	356	<10.0	30.34
	9/3/2019	<b>25.0</b>	<1.00	181	<1.00	36.02

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<b>COGCC Table 910-1 standards for groundwater (µg/L)<sup>(1)</sup></b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1400</b>	
BH16	8/24/2018	<b>5.36</b>	<4.00	394	<b>2,720</b>	32.54
	9/26/2018	<b>10.5</b>	<4.00	104	48.0	33.57
	12/5/2018	3.48	<1.00	264	312	31.94
	3/18/2019	2.82	1.05	244	23.5	27.12
	6/25/2019	<1.00	<1.00	13.1	7.10	27.22
	9/3/2019	<b>137</b>	<4.00	224	167	33.09
BH17	8/24/2018	<b>192</b>	<4.00	352	1,290	33.56
	9/26/2018	<b>221</b>	<10.0	323	990	34.57
	12/5/2018	<b>18.0</b>	<1.00	11.8	<1.00	33.07
	3/18/2019	<1.00	<1.00	4.40	<1.00	27.23
	6/25/2019	<1.00	<1.00	<1.00	<1.00	28.27
	9/3/2019	<1.00	<1.00	<1.00	<1.00	34.01
BH18	8/22/2019	<b>27.0</b>	<1.00	11.1	<1.00	32.63
	9/3/2019	<b>10.2</b>	<1.00	<1.00	<1.00	33.32
BH19	8/22/2019	<b>110</b>	<1.00	206	430	32.35
	9/3/2019	<b>190</b>	<1.00	185	16.6	33.09
BH20	8/22/2019	<1.00	<1.00	6.36	<1.00	32.45
	9/3/2019	<4.00	<4.00	64.4	<4.00	33.28
BH21	8/22/2019	<1.00	<1.00	<1.00	<1.00	36.37
	9/3/2019	<1.00	<1.00	<1.00	<1.00	37.12
BH22	8/22/2019	<1.00	<1.00	<1.00	<1.00	38.16
	9/3/2019	<1.00	<1.00	<1.00	<1.00	38.96
BH23	8/22/2019	<b>8.10</b>	<1.00	5.72	<1.00	35.73
	9/3/2019	<1.00	<1.00	1.03	<1.00	36.39
BH24	8/22/2019	<1.00	<1.00	<1.00	<1.00	35.91
	9/3/2019	<1.00	<1.00	<1.00	<1.00	36.56

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<b>COGCC Table 910-1 standards for groundwater (µg/L)<sup>(1)</sup></b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1400</b>	
BH25	8/22/2019	<1.00	<1.00	<1.00	<1.00	36.34
	9/3/2019	<1.00	<1.00	<1.00	<1.00	36.97
BH26	8/22/2019	<1.00	<1.00	<1.00	<1.00	37.73
	9/3/2019	<1.00	<1.00	<1.00	<1.00	38.32
BH27	8/22/2019	<b>443</b>	<1.00	105	783	38.50
	9/3/2019	<b>123</b>	<1.00	5.21	49.5	39.16
BH28	8/22/2019	<1.00	<1.00	<1.00	<1.00	39.61
	9/3/2019	<1.00	<1.00	<1.00	<1.00	40.32
BH29	8/22/2019	<b>51.0</b>	<1.00	60.4	2.15	31.06
	9/3/2019	<b>23.6</b>	<1.00	3.55	<1.00	33.36
BH30	8/22/2019	1.67	<1.00	<1.00	<1.00	34.93
	9/3/2019	4.15	<1.00	<1.00	<1.00	36.33
BH31	8/22/2019	<1.00	<1.00	<1.00	<1.00	36.19
	9/3/2019	<1.00	<1.00	<1.00	<1.00	36.86
BH32	9/3/2019	<1.00	<1.00	<1.00	<1.00	39.81
BH33	9/3/2019	<1.00	<1.00	<1.00	<1.00	39.77
BH34	9/3/2019	1.35	<1.00	<1.00	<1.00	33.94
BH35	9/3/2019	<1.00	<1.00	<1.00	<1.00	32.77
BH36	9/3/2019	<b>27.9</b>	<1.00	<1.00	<1.00	33.29

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

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.

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