

Accepted for the record
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NV

Mr. Bradford Billings
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Subject:

Proposed Groundwater Monitoring and LNAPL O&M Reduction Workplan
Chevron Environmental Management Company
Buckeye Compressor Station (AP-104)
Lea County, New Mexico

ENVIRONMENT

Date:
July 16, 2020

Contact:
Scott Foord

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ARCADIS U.S., Inc.
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Dear Mr. Billings:

At the request of Chevron Environmental Management Company (CEMC), Arcadis U.S., Inc. (Arcadis) is providing this workplan to request the reduction of groundwater monitoring frequency and a reduction of light non-aqueous phase liquid (LNAPL) recovery event frequency for the Buckeye Compressor Station site (Site).

The Buckeye Compressor Station is located immediately north of Texas Camp Road, approximately one mile southwest of Buckeye, Lea County, New Mexico. The Site location is in Section 36, Township 17 South, Range 34 East at geographic coordinates 32° 47' 3.93"N, 103° 30' 30.08"W.

Groundwater monitoring began at the Site in June 2002 and the Site is currently monitored semi-annually from a network of 28 monitoring wells. The Site groundwater flow is generally to the east. Five monitoring wells currently contain LNAPL, and bi-weekly LNAPL gauging and hand-bailing activities are currently conducted. All monitoring wells without LNAPL are currently sampled during both sampling events. The constituents of concern (COCs) in groundwater include benzene, ethylbenzene, toluene, and xylenes (BTEX); total petroleum hydrocarbons (TPH); chloride and total dissolved solid.

For additional site-specific background information please refer to the GHD, 2018 Groundwater Monitoring Report, dated May 22, 2019. The 2019 Groundwater Monitoring Report will be submitted by the end of the third quarter 2020.

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PROPOSED REDUCED SAMPLING PLAN

The following Workplan outlines the specifics of the proposed reduced sampling plan for select monitoring wells and the methodology for the selection of those monitoring wells. One semi-annual monitoring event will include sampling all site wells as currently conducted. The second semi-annual sampling event will be reduced to only sampling select monitoring wells based on the following proposed sampling methodology. The groundwater sampling frequency will be assessed yearly based on the results of the sampling events for the lifespan of the project and will increase to quarterly for a minimum of eight consecutive quarters prior to closure request for the Site.

CEMC also request to defer TPH analysis for all wells sampled during the reduced semi-annual sampling event as concentration trends have been established and there are currently no New Mexico Water Quality Control Commission (NMWQCC) standards for these constituents.

Additionally, CEMC requests that the current LNAPL gauging and hand-bailing activities schedule be reduced from bi-weekly to quarterly gauging only (no hand-bailing) for one year to allow the current LNAPL conditions at the Site to equilibrate so that a more practical/efficient LNAPL recovery method can be evaluated and initiated.

The following sections provide specifics for the proposed reduced groundwater monitoring plan:

Sampling Reduction for Non-Impacted Monitoring Wells

Site monitoring wells with COC concentrations reported below NMWQCC exceedance standards for two consecutive years or longer will not be gauged or sampled during the second semi-annual monitoring event.

The Site wells currently selected for reduction from the second semi-annual sampling event include: MW-5, MW-7, MW-10, MW-15, MW-16, MW-20, MW-23, MW-24, MW-25, and MW-26.

The previously referenced wells have been evaluated based on historical concentration trends, historical concentration trends of nearby monitoring wells, potential receptors, and the groundwater gradient.

The proposed reduction list of monitoring wells and associated laboratory analysis for the second semi-annual event are presented on attached **Table 1** (Sampling and Analysis Plan).

The proposed Site monitoring wells that will be sampled during the reduced event are presented on **Figure 1** (Potentiometric Surface Map) and are presented with current groundwater constituent concentrations on **Figure 2** (Proposed Groundwater Monitoring Reduction Plan).

The Summary of Historical Groundwater Analytical Results is presented in **Table 2**.

Request to Reduce LNAPL Recovery and Gauging

As stated previously, CEMC additionally requests reduction of the current bi-weekly LNAPL gauging and hand-bailing activities to quarterly gauging only (no hand-bailing) for one year (through August 2021), to allow the current LNAPL conditions at the Site to equilibrate so that a more practical/efficient LNAPL recovery method can be evaluated and initiated. CEMC will assess findings from the LNAPL gauging data collected through August 2021 to evaluate the need for additional LNAPL source determination

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assessment activities at the Site. The data will also be further evaluated to determine more practical and effective LNAPL recovery system alternatives.

CONTACT

Arcadis is prepared to initiate the scope of work immediately. If you have any questions or comments, please contact either Scott Foord by phone at 713 953 4853 or by e-mail at william.foord@arcadis.com or Greg Cutshall by phone at 859 327 4626 or by email at greg.cutshall@arcadis.com.

Sincerely,

Arcadis U.S., Inc.



Scott Foord
Project Manager

Copies:
Greg Cutshall, Program Manager

Enclosures:

Tables

- 1 Sampling and Analysis Plan
- 2 Summary of Historical Groundwater Analytical Results

Figures

- 1 Potentiometric Surface Map
- 2 Proposed Groundwater Monitoring Reduction Plan

TABLES



Table 1
Sampling and Analysis Plan
Chevron Environmental Management Company
Buckeye Compressor Station (AP-104)
Lea County, New Mexico



Well ID	First Semi-Annual Monitoring Event			Second Semi-Annual Monitoring Event	
	BTEX	TPH DRO/GRO	Chloride and TDS	BTEX	Chloride and TDS
MW-1	X	X	--	X	--
MW-2	X	X	--	X	--
MW-3	--	--	--	--	--
MW-4	X	X	--	X	--
MW-5	X	X	--	--	--
MW-6	X	X	--	X	--
MW-7	X	X	--	--	--
MW-8	--	--	--	--	--
MW-9	--	--	--	--	--
MW-10	X	X	--	--	--
MW-12	X	X	--	X	--
MW-13	X	X	--	X	--
MW-14	X	X	--	X	--
MW-15	X	X	--	--	--
MW-16	X	X	--	--	--
MW-17	X	X	--	X	--
MW-18	X	X	--	X	--
MW-19	--	--	--	--	--
MW-20	X	X	--	--	--
MW-21	X	X	--	X	--
MW-22	X	X	X	X	X
MW-23	X	X	--	--	--
MW-24	X	X	--	--	--
MW-25	X	X	--	--	--
MW-26	X	X	--	--	--
EW-1	--	--	--	--	--
TW-11	X	X	--	X	--
TW-13	X	X	--	X	--

Notes:

USEPA = United States Environmental Protection Agency

X = Data will be collected at monitoring well during respective event

-- = Data will not be collected at monitoring well during event

Bold = LNAPL currently in well

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-1	6/19/02	1.74	0.024	<0.010	<0.010				97.5	458	
MW-1	10/9/02	3.56	<0.010	<0.010	<0.010						
MW-1	8/12/03	0.555	0.003	0.003	0.009						
MW-1	8/10/04	1.5	<0.010	0.008	0.014				100	603	
MW-1	2/18/05	1.74	<0.01	<0.01	<0.01				96.0	606	
MW-1	12/21/05	4.4	<0.007	0.017 J	<0.008				74.6		
MW-1	4/11/06	3.0	<0.002	6.3 J	<0.006				73.1		
MW-1	10/12/06	1.4	0.051	0.02300	0.019				81.9		
MW-1	5/1/07	2.3	<0.001	0.0046 J	0.0032 J				80.5	503	
MW-1	10/24/07	1.7	0.0014 J	0.0039 J	0.003				83.7		
MW-1	5/21/08	1.6	0.0055	0.0064	0.005 J				86.4		
MW-1	10/16/08	1.5	0.0017 J	0.0083	0.0066 J				79.7		
MW-1	4/20/09	1.7	0.0036 J	0.0076 J	0.0066 J				73.8		
MW-1	9/29/09	3.1	0.0027	0.0022	0.0059				71.1		
MW-1	4/6/10	4.0	<0.0040	0.0045 J	<0.012						
MW-1	10/7/10	3.3	0.0032 J	0.0013 J	0.0031 J						
MW-1	4/26/11	8.8	<0.0010	0.0022	0.0039	18.2	<0.050		62.5		
MW-1	10/20/11	6.2	<0.200	<0.100	<0.100	<1.50	1.84		63.4		
MW-1	4/26/12	3.94	<0.500	<0.250	<0.250	4.68	<1.50		67.7		
MW-1	11/9/12	1.10	<0.020	<0.010	<0.010	<1.50	<1.50		64.1		
MW-1	4/25/13	6.21	<0.100	<0.050	<0.050	6.57	<1.50				
MW-1	10/24/13	6.19	<0.0400	<0.0200	<0.0200	6.62	<1.50	6.62			
MW-1	2/14/14	7.25	<0.1000	<0.0500	<0.0500	5.00	<1.50	5.00			
MW-1	10/30/14	6.59	<0.0500	<0.2500	<0.0250	10.00	<1.48	10.00			
MW-1	3/3/15	5.56	<0.05000	<0.0250	<0.0250	6.58	<1.50	6.58			
MW-1	10/29/15	1.49	<0.040000	<0.020000	<0.0200	2.07	<1.41	2.07			
MW-1	3/3/16	1.50	<0.0400	<0.0200	<0.0200	2.24	<1.41	2.24			
MW-1	8/23/16	3.59	<0.0200	<0.0200	<0.0200	1.99	<1.50	1.99			
MW-1	3/3/17	0.0978	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-1	8/31/17	2.34	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW-1	4/5/18	1.65	<0.00200	<0.00200	<0.00200	3.08	<1.50	3.08			
MW-1	8/29/18	2.94	<0.00200	<0.00200	<0.00200	4.00	<1.50	4.00			
MW-1	1/29/19	2.02	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-1	12/17/19	0.84	<0.00020	<0.00021	<0.00037	3	<1.50	3			
MW-2	6/19/02	1.15	<0.005	0.009	0.017				88.6	335	
MW-2	10/9/02	1.73	<0.010	0.017	0.040						
MW-2	8/12/03	0.947	<0.005	0.007	0.014						
MW-2	8/10/04	0.149	0.001	0.001	0.003				78	361	
MW-2	2/18/05	1.15	<0.010	0.0115	0.030				169		
MW-2	12/21/05	15.0	4.0	0.760	0.700				62.4		
MW-2	4/11/06	0.65	0.11	0.035	0.280				87.4		
MW-2	10/12/06	1.10	0.19	0.017	0.029				81.1		
MW-2	5/7/07	0.490	0.004 J	0.0023	0.009				80.8	469	
MW-2	10/24/07	0.90	0.0007 J	0.004	0.016				79.8		
MW-2	5/21/08	1.3	0.0035	0.004	0.014				100		
MW-2	10/16/08	0.67	0.0013 J	0.0013 J	0.011 J				92.3		
MW-2	4/20/09	0.74	0.0013 J	0.0013 J	0.015				63.5		
MW-2	9/29/09	0.62	0.020	0.0043	0.015				67.8		
MW-2	4/6/10	0.140	<0.0002	0.0002 J	0.0055						
MW-2	10/6/10	0.200	0.035	0.0044	0.0087						
MW-2	4/21/11	1.000	0.0033	<0.00020	<0.00070	1.99	0.051		62.0		
MW-2	10/19/11	0.993	<0.00200	<0.00100	<0.00100	<1.50	2.04		106		
MW-2	4/26/12	0.868	<0.500	<0.250	<0.250	<1.50	<1.50		129		
MW-2	11/12/12	0.709	0.0224	0.0122	0.0317	<1.50	<1.50		140		
MW-2	4/25/13	0.294	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-2	10/24/13	0.583	<0.0100	<0.00500	<0.00500	<1.50	<1.50	<1.50			
MW-2	2/13/14	0.174	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-2	10/30/14	0.0281	<0.0020	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-2	3/3/15	0.0712	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-2	10/29/15	0.00325	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			

Table 2- Historical Groundwater Analytical Results

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-2	3/3/16	0.00216	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-2	8/23/16	0.0622	<0.00200	<0.00200	<0.00200	1.99	<1.50	<1.50			
MW-2	3/3/17	0.0447	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-2	8/31/17	0.757	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-2	4/5/18	0.315	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-2	8/29/18	0.249	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-2	1/29/19	0.0061	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-2	12/20/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-3	6/20/02	1.05	0.739	0.345	0.416				56.1		
MW-3	10/9/02	4.8	1.24	0.088	0.178						
MW-3	8/11/03	3.3	1.13	0.24	0.272						
MW-3	8/10/04	2.57	1.190	0.185	0.222				49.6		
MW-3	2/18/05										NS--H2S
MW-3	12/20/05										NS--H2S
MW-3	4/11/06	1.70	0.62	0.091	0.086				47.7		
MW-3	10/12/06	5.30	1.8	0.16	0.240				60.2		
MW-3	5/3/07	3.40	1.3	0.16	0.260				56.3	359	
MW-3	10/24/07										NS--no access
MW-3	5/20/08	1.40	0.085	0.034	0.045				63		
MW-3	10/16/08										No lab data
MW-3	4/16/09	0.46	0.061	0.011	0.020				54.9		
MW-3	9/29/09	0.50	0.091	0.012	0.019				52.8		
MW-3	4/6/10	0.570	0.190	0.021	0.028						
MW-3	10/6/10	0.430	0.160	0.017	0.025						
MW-3	4/21/11	6.600	1.100	0.088	0.120	14.5	0.026 J		41.7		
MW-3	10/19/11	7.05	0.372	0.391	0.480	11.1	2.200		43.8		
MW-3	4/24/12										NS--LNAPL
MW-3	11/12/12	7.06	0.822	0.249	0.204	11.8	<1.50		43.5		
MW-3	4/26/13	11.70	0.884	0.289	0.301	13.0	<1.50				
MW-3	10/22/13										NS--LNAPL
MW-3	2/11/14										NS--LNAPL
MW-3	10/27/14										NS--LNAPL
MW-3	2/24/15										NS--LNAPL
MW-3	10/28/15										NS--LNAPL
MW-3	2/29/16										NS--LNAPL
MW-3	8/23/16	6.60	0.0685	<0.100	0.242	6.19	1.75	7.94			
MW-3	3/3/17										NS--LNAPL
MW-3	8/30/17										NS--LNAPL
MW-3	4/5/18										NS--LNAPL
MW-3	8/29/18										NS--LNAPL
MW-3	1/29/19										NS--LNAPL
MW-3	12/20/19										NS--LNAPL
MW-4	6/20/02	0.001	<0.001	<0.001	<0.001				142	558	
MW-4	10/9/02	0.705	<0.005	0.005	0.011						
MW-4	8/13/03	2.39	<0.005	0.012	0.006						
MW-4	8/11/04	3.73	0.0409	0.077	0.037				44.3	329	
MW-4	2/18/05	6.85	0.004 J	0.043	0.024				43.0	312	
MW-4	12/20/05	4.80	<0.001	0.035	0.018				50.5		
MW-4	4/12/06	5.00	0.014	0.050	0.018 J				42.9		
MW-4	10/11/06	6.30	0.0031 J	0.039	0.020				52.6		
MW-4	4/30/07	14.00	0.0089 J	0.170	0.074				64.4	276	
MW-4	10/24/07	14.00	0.012	0.180	0.067				53.4		
MW-4	5/19/08	12.00	0.170	0.150	0.110				62.9		
MW-4	10/20/08	17.00	1.1	0.580	2.200				63.4		
MW-4	4/15/09	20.00	0.180	0.390	0.28 J				57.10		
MW-4	9/30/09	18.00	0.110	0.320	0.140 J				56.70		
MW-4	4/6/10	25.0	0.490	0.470	0.220 J						
MW-4	10/7/10	20.0	0.500	0.370	0.200						
MW-4	4/26/11	39.0	0.170	0.230	0.130	75.7	0.360		86.4		

Table 2- Historical Groundwater Analytical Results

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-4	10/20/11	23.1	<0.200	0.128	<0.100	21.4	1.810		79		
MW-4	4/26/12	16.6	<0.500	<0.250	<0.250	15.9	<1.50		77.1		
MW-4	11/7/12	19.2	0.464	0.113	0.449	18.6	<1.50		70.7		
MW-4	4/26/13	20.5	<0.200	<0.100	<0.100	18.8	<1.50				
MW-4	10/24/13	19.6	<0.100	0.167	0.0595	21.7	<1.50	21.7			
MW-4	2/14/14	19.9	<0.100	0.070	0.0500	30.5	<1.50	30.5			
MW-4	10/29/14	26.2	<0.200	0.202	<0.100	34.0	<1.48	34.0			
MW-4	3/3/15	23.4	<0.20001	0.177	<0.100	24.6	<1.50	24.6			
MW-4	10/28/15	9.52	0.141	0.051	0.0550	15.7	<1.41	15.7			
MW-4	3/3/16	5.77	0.0201	0.0450	0.0297	6.26	<1.41	6.26			
MW-4	8/24/16	6.81	<0.100	<0.100	<0.100	5.88	<1.50	5.88			
MW-4	3/1/17	4.20	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW-4	8/31/17	6.19	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW-4	4/4/18	12.80	<0.00200	0.00294	<0.00200	21.1	<1.50	21.1			
MW-4	8/28/18	9.76	<0.20000	<0.20000	<0.20000	13.7	<1.50	13.7			
MW-4	1/29/19	6.92	<0.20000	0.00228	0.00113	9.64	<1.50	<1.50			
MW-4	12/19/19	11.00	0.004	0.044	0.030 J	28.00	<1.50	28			
MW-4	12/19/19	12.00	0.004	0.044	0.030 J	33.00	<1.50	33			
MW-5	6/20/02	0.002	<0.001	<0.001	<0.001				160	521	
MW-5	10/9/02	0.489	<0.001	<0.001	<0.001						
MW-5	8/13/03	0.361	0.002	0.001	0.002						
MW-5	8/12/04	0.169	0.0005	0.0021	0.002				63.8	408	
MW-5	2/18/05	0.125	<0.001	0.001 J	0.002				48.8	397	
MW-5	12/21/05	0.30	<0.0007	0.002 J	0.002 J				36.1		
MW-5	4/12/06	0.04	0.014	0.0055	0.006				26.9		
MW-5	10/12/06	0.71	0.200	0.036	0.039				31.5		
MW-5	4/26/07	0.013	<0.0002	<0.0002	<0.0006				26.7	303	
MW-5	10/23/07	0.0083	<0.0002	<0.0002	<0.0006				25.6		
MW-5	5/20/08	0.066	0.0012	0.0086	0.011				30.1		
MW-5	10/20/08	0.012	0.0015	0.0003 J	<0.0006				37.3		
MW-5	4/21/09	0.028	0.0007 J	0.0018	0.0015 J				27.2		
MW-5	9/29/09	0.011	0.0008 J	<0.0002	<0.0006				25.9		
MW-5	4/6/10	0.037	0.0004 J	0.0003 J	<0.0006						
MW-5	10/5/10	0.019	<0.0002	<0.0002	<0.0006						
MW-5	4/21/11	0.0014	0.0025	<0.00020	<0.00070	<0.020	<0.020		20.5		
MW-5	10/18/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	1.87		25.4		
MW-5	4/25/12	0.0335	<0.00200	<0.00100	<0.00100	<1.50	<1.50		29.3		
MW-5	11/8/12	0.00901	<0.00200	<0.00100	<0.00100	<1.50	1.68		27.8		
MW-5	4/25/13	0.00819	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-5	10/23/13	0.0176	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-5	2/13/14	0.0574	<0.00200	<0.00100	0.00267	<1.50	<1.50	<1.50			
MW-5	10/29/14	0.0031	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-5	3/2/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-5	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-5	3/3/16										NS - construction
MW-5	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	3/2/17	0.00223	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	8/31/17	0.0609	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	4/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	1/31/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	12/19/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-6	6/20/02	0.444	<0.001	<0.001	<0.001				28.4	329	
MW-6	10/9/02	5.45	<0.010	<0.010	0.032						
MW-6	8/12/03	1.63	<0.005	<0.005	0.010						
MW-6	8/10/04	0.827	0.001	0.001	0.006				24.8	318	
MW-6	2/18/05	1.62	<0.0050	<0.0050	0.000				31.9	368	
MW-6	12/21/05	1.8	<0.001	<0.002	0.005 J				25.8		
MW-6	4/11/06	1.5	0.330	0.043	0.049				49.5		

Table 2- Historical Groundwater Analytical Results

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-6	10/12/06	2.2	<0.001	0.0028 J	0.015				39.1		
MW-6	5/1/07	0.850	0.0050 J	0.0028	0.007				26.3	282	
MW-6	10/24/07	1.1	0.0005 J	0.0049	0.009				37.9		
MW-6	5/20/08	0.940	0.0012	0.0073	0.015				24.1		
MW-6	10/16/08	0.530	0.001 J	0.0023 J	0.0051 J				22.9		
MW-6	4/16/09	1.4	0.0003 J	0.0027	0.011				22.1		
MW-6	9/29/09	1.9	0.0035	0.0054	0.025				27		
MW-6	4/6/10	1.600	0.0004 J	0.0083	0.028						
MW-6	10/7/10	0.460	0.0051	0.0015	0.0063						
MW-6	4/21/11	0.800	0.0031	<0.0020	0.00089 J	1.60	<0.020		27.5		
MW-6	10/20/11	0.289	<0.00200	<0.00100	<0.00100	<1.50	2.21		40.9		
MW-6	4/27/12	0.250	<0.00200	<0.00100	<0.00100	<1.50	<1.50		50.0		
MW-6	11/12/12	0.807	<0.02000	<0.01000	<0.01000	<1.50	<1.50		52.1		
MW-6	4/26/13	0.628	<0.01000	<0.00500	<0.00500	<1.50	<1.50				
MW-6	10/24/13	1.04	<0.0100	<0.00500	<0.00500	2.10	<1.50	2.10			
MW-6	2/13/14	0.23	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-6	10/30/14	0.0392	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-6	3/3/15	0.0355	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-6	10/29/15	0.132	<0.0020	<0.00100	<0.00100	<1.51	<1.41	<1.51			
MW-6	3/3/16	0.0177	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-6	8/24/16	0.208	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-6	3/3/17	0.0275	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-6	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-6	4/6/18	0.109	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-6	8/29/18	0.480	<0.0400	<0.0400	<0.0400	<1.50	<1.50	<1.50			
MW-6	1/29/19	0.0188	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-6	12/20/19	0.013	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-7	6/20/02	0.001	<0.001	<0.001	<0.001				31.9	337	
MW-7	10/9/02	0.086	<0.001	<0.001	0.001						
MW-7	8/12/03	0.241	<0.001	<0.001	0.002						
MW-7	8/10/04	0.0436	<0.001	<0.001	<0.001				19.5	322	
MW-7	2/18/05	0.0375	<0.001	<0.001	<0.001				23.5	387	
MW-7	12/21/05	0.012	<0.0007	<0.0008	<0.0008				18.0		
MW-7	4/12/06	0.1	0.043	0.0086	0.008				16.9		
MW-7	10/12/06	0.13	0.0002 J	0.0006 J	0.0009 J				31.9		
MW-7	5/1/07	<0.0002	<0.0002	<0.0002	<0.0006				18.4	293	
MW-7	10/24/07	0.17	0.0003 J	0.010	0.004				18.5		
MW-7	5/20/08	0.045	0.0009 J	0.0066	0.009				19.8		
MW-7	10/15/08	0.0032	0.0003 J	<0.0002	<0.0006				18.2		
MW-7	4/16/09	0.009	<0.0002	<0.0002	<0.0006				15.6		
MW-7	9/29/09	0.0023	0.0009 J	<0.0002	<0.0006				16		
MW-7	4/5/10	0.0040	0.0003 J	<0.0002	<0.0006						
MW-7	10/5/10	0.0066	<0.0002	<0.0002	<0.0006						
MW-7	4/20/11	<0.00020	0.0046	<0.00020	<0.00070	<0.020	<0.020		19.0		
MW-7	10/20/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		20.7		
MW-7	4/24/12	<0.00100	0.00405	<0.00100	<0.00100	<1.50	<1.50		20.8		
MW-7	11/12/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		17.8		
MW-7	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-7	10/23/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-7	2/13/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-7	10/29/14	0.00408	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-7	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-7	10/29/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-7	3/3/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-7	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	9/1/17	1.05	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	4/6/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	8/29/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	1/29/19	0.00061	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

Table 2- Historical Groundwater Analytical Results

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-7	12/20/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-8	6/20/02	1.23	<0.005	0.046	0.021				31.9	359	
MW-8	10/9/02	0.579	<0.005	0.031	0.018						
MW-8	8/12/03	0.673	0.001	0.010	0.013						
MW-8	8/10/04	0.441	0.001	0.047	0.015				42.1	392	
MW-8	2/18/05	2.32	0.010 J	0.048	0.021				56.3	532	
MW-8	12/21/05	4.6	0.051	0.460	0.120				56.1		
MW-8	4/11/06	3.4	0.170	0.170	0.072				50.6		
MW-8	10/12/06	4.3	0.180	0.260	0.098				49.3		
MW-8	5/1/07	4.1	0.016	0.200	0.093				48.9	429	
MW-8	10/24/07	4.4	0.018	0.220	0.086				52.9		
MW-8	5/21/08	1.7	0.049	0.038	0.033				48.2		
MW-8	10/16/08	5.3	0.0068 J	0.140	0.081				53.6		
MW-8	4/20/09	6.1	0.130	0.200	0.110				46.9		
MW-8	9/30/09	4.0	0.0085	0.120	0.067				42.8		
MW-8	4/6/10	2.9	0.120	0.091	0.062						
MW-8	10/5/10										NS--LNAPL
MW-8	4/18/11										NS--LNAPL
MW-8	10/18/11										NS--LNAPL
MW-8	4/23/12										NS--LNAPL
MW-8	11/5/12										NS--LNAPL
MW-8	4/23/13										NS--LNAPL
MW-8	10/22/13										NS--LNAPL
MW-8	2/11/14										NS--LNAPL
MW-8	10/27/14										NS--LNAPL
MW-8	2/24/15										NS--LNAPL
MW-8	10/26/15										NS--LNAPL
MW-8	2/29/16										NS--LNAPL
MW-8	8/22/16										NS--LNAPL
MW-8	3/3/17										NS--LNAPL
MW-8	8/31/17	3.25	2.92	0.728	1.11	24.5	8.17	35.6			
MW-8	4/3/18										NS--LNAPL
MW-8	8/29/18	3.62	1.37	0.292	0.40	24.8	2.85	27.7			
MW-8	1/29/19	1.67	0.0147	0.0618	0.0886	6.77	1.02	7.79			
MW-8	12/16/19										NS--LNAPL
MW-9	10/9/02	0.004	0.001	<0.001	0.023						
MW-9	8/12/03	0.083	0.002	<0.001	0.007						
MW-9	8/10/04	0.004	0.001	0.0003	0.002				230	915	
MW-9	2/18/05	0.001 J	<0.001	0.0002 J	0.009				34.0	625	
MW-9	12/21/05	0.001 J	<0.0007	<0.0008	0.019				23.9		
MW-9	4/11/06	0.30	0.150	0.027	0.032				77.5		
MW-9	10/12/06	0.46	0.093	0.025	0.025				58.8		
MW-9	5/1/07	0.710	0.0005 J	0.0021	0.003				136	677	
MW-9	10/24/07	0.11	<0.001	0.0057	0.012				31.2		
MW-9	5/21/08	2.70	0.016	0.0072	0.0093 J				95.1		
MW-9	10/16/08										NS--no access
MW-9	4/20/09	2.60	0.0075 J	0.017	0.012 J				110		
MW-9	9/30/09	3.20	0.0021	0.0025	0.0023 J				141		
MW-9	4/6/10	5.500	0.057	0.061	0.081						
MW-9	10/7/10	3.100	0.027	0.072	0.013 J						
MW-9	4/26/11	4.700	0.069	0.059	0.011	9.320	<0.050		155		
MW-9	10/18/11										NS--LNAPL
MW-9	4/23/12										NS--LNAPL
MW-9	11/5/12										NS--LNAPL
MW-9	4/23/13										NS--LNAPL
MW-9	10/22/13										NS--LNAPL
MW-9	2/11/14										NS--LNAPL
MW-9	10/27/14										NS--LNAPL
MW-9	2/24/15										NS--LNAPL

TABLE 2
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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-9	10/26/15										NS--LNAPL
MW-9	2/29/16										NS--LNAPL
MW-9	8/22/16										NS--LNAPL
MW-9	3/3/17										NS--LNAPL
MW-9	8/30/17										NS--LNAPL
MW-9	4/3/18										NS--LNAPL
MW-9	8/29/18										NS--LNAPL
MW-9	1/29/19										NS--LNAPL
MW-9	12/19/19										NS--LNAPL
MW-10	10/8/02	0.029	<0.001	<0.001	<0.001						
MW-10	8/12/03	0.060	<0.001	<0.001	<0.001						
MW-10	8/11/04	0.050	0.0002	0.0004	0.001				35.4	328	
MW-10	2/18/05	0.022	<0.001	<0.001	<0.001				36.5	380	
MW-10	12/20/05	0.024	<0.0007	0.002 J	0.002 J				48.1		
MW-10	4/11/06	0.0033	0.0003 J	<0.0002	<0.0006				38.4		
MW-10	10/11/06	0.0037	<0.0002	<0.0002	<0.0006				33.3		
MW-10	4/26/07	0.0002 J	<0.0002	<0.0002	<0.0006				41.8	311	
MW-10	10/22/07	<0.0002	<0.0002	<0.0002	<0.0006				30.2		
MW-10	5/16/08	0.0041	<0.0002	0.001	<0.0006				32.5		
MW-10	10/14/08	<0.005	0.0003 J	<0.0002	<0.0006				33.1		
MW-10	4/16/09	0.034	0.0005 J	0.002	0.0015 J				31.7		
MW-10	9/29/09	0.0032	0.0018	0.0005 J	<0.0006				30.9		
MW-10	4/6/10	0.0044	0.0003 J	<0.0002	<0.0006						
MW-10	10/5/10	0.0051	<0.0002	<0.0002	<0.0006						
MW-10	4/20/11	<0.00020	0.0015	<0.00020	<0.00070	<0.020	<0.020		42.7		
MW-10	10/20/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		38.0		
MW-10	4/25/12	<0.00100	0.00311	<0.00100	<0.00100	<1.50	<1.50		37.5		
MW-10	11/8/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		30.1		
MW-10	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-10	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-10	2/12/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-10	10/29/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-10	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-10	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-10	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-10	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-10	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-10	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-10	4/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-10	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-10	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-11	10/8/02	<0.001	<0.001	<0.001	<0.001						
MW-11	8/13/03	<0.001	<0.001	<0.001	<0.001						
MW-11	8/11/04	<0.001	<0.001	<0.001	<0.001				47.9	340	
MW-11	2/18/05	<0.001	<0.001	<0.001	<0.001				50.1	441	
MW-11	12/20/05	0.0006 J	<0.0007	<0.0008	<0.0008				43.1		
MW-11	4/11/06	0.0009 J	0.0002 J	<0.0002	<0.0006				39.8		
MW-11	10/11/06	0.0005 J	0.0003 J	<0.0002	<0.0006				56.1		
MW-11	4/26/07	0.0003 J	<0.0002	<0.0002	<0.0006				70.6	268	
MW-11	10/22/07	<0.0002	<0.0002	<0.0002	<0.0006				38.7		
MW-11	5/14/08	0.0014	<0.0002	0.0007 J	<0.0006				65		
MW-11	10/14/08	0.0003 J	0.0002 J	<0.0002	<0.0006				97.4		
MW-11	04/16/09										Destroyed
MW-12	10/8/02	<0.001	<0.001	<0.001	<0.001						
MW-12	8/13/03	<0.001	<0.001	<0.001	<0.001						
MW-12	8/11/04	<0.001	<0.001	<0.001	<0.001				40.8	324	
MW-12	2/18/05	0.001 J	<0.001	<0.001	<0.001				45.2	378	
MW-12	12/20/05	<0.0005	<0.0007	<0.0008	<0.0008				41.3		

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-12	4/11/06	0.0007 J	<0.0002	<0.0002	<0.0006				37.2		
MW-12	10/11/06	<0.0002	0.0002 J	<0.0002	<0.0006				103		
MW-12	4/26/07	<0.0002	<0.0002	<0.0002	<0.0006				41	263	
MW-12	10/22/07	0.0002 J	<0.0002	<0.0002	<0.0006				65.2		
MW-12	5/14/08	0.0009 J	<0.0002	0.0006 J	<0.0006				45.9		
MW-12	10/14/08	0.0002 J	0.0003 J	0.0002 J	<0.0006				49.2		
MW-12	4/16/09	0.066	0.0008 J	0.0028	0.0021 J				46.4		
MW-12	9/30/09	0.0045	0.0024	0.0006 J	0.0006 J				40.1		
MW-12	4/6/10	0.0005 J	<0.0002	<0.0002	<0.0006						
MW-12	10/6/10	0.0012	<0.0002	<0.0002	<0.0006						
MW-12	4/19/11	<0.00020	0.0043	<0.00020	<0.00070	<0.020	<0.020		45.5		
MW-12	10/19/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		46.3		
MW-12	4/25/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		45.1		
MW-12	11/12/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		38.5		
MW-12	4/23/13										NS--well damaged
MW-12	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-12	2/11/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-12	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-12	2/25/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	6.32	6.32			
MW-12	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-12	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-12	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-12	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-12	8/29/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-12	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50		529	
MW-12	8/29/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-12	1/31/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-12	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-13	10/8/02	0.065	<0.001	<0.001	<0.001						
MW-13	8/13/03	0.060	0.002	<0.001	<0.001						
MW-13	8/11/04	0.004	<0.001	<0.001	<0.001				62.0	400	
MW-13	2/18/05	0.003	<0.001	<0.001	<0.001				72.4	427	
MW-13	12/20/05	0.038	<0.0007	<0.0008	<0.0008				86.4		
MW-13	4/12/06	0.170	0.015	0.005	0.005				115		
MW-13	10/11/06	0.0039	<0.0002	<0.0002	<0.0006				103		
MW-13	5/3/07	0.031	0.0005 J	0.0008 J	0.0011 J				114	495	
MW-13	10/22/07										NS--obstructed
MW-13	5/20/08	0.380	0.0062	0.0049	0.004				112		
MW-13	10/20/08	0.028	0.0018	0.0003 J	0.0008 J				114		
MW-13	4/16/09	0.037	<0.0002	<0.0002	0.0007 J				112		
MW-13	9/30/09	0.025	0.0015	0.0007 J	0.0022 J				101		
MW-13	4/6/10	0.0030	0.0002 J	<0.0002	<0.0006						
MW-13	10/5/10	0.0042	<0.0002	<0.0002	<0.0006						
MW-13	4/20/11	<0.00020	0.0016	<0.00020	<0.00070	<0.020	<0.020		76.5		
MW-13	10/20/11	0.00139	<0.00200	<0.00100	<0.00100	<1.50	<1.50		75.0		
MW-13	4/26/12	0.00158	0.00288	<0.00100	<0.00100	<1.50	<1.50		81.1		
MW-13	11/7/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		76.7		
MW-13	4/25/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-13	10/24/13	0.0192	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-13	2/11/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-13	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-13	2/25/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-13	10/27/15	<0.00100	<0.00200	<0.00100		<1.41	<1.41	<1.41			
MW-13	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-13	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	4/4/18	0.00202	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	1/30/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

Table 2- Historical Groundwater Analytical Results

TABLE 2
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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-13	12/18/19	<0.00018	<0.00020	<0.00021	<0.000237	<1.50	<1.50	<1.50			
MW-14	10/9/02	3.63	0.014	0.098	0.187						
MW-14	8/13/03	1.65	0.014	0.165	0.260						
MW-14	8/11/04	0.786	0.0464	0.172	0.227				111	791	
MW-14	2/18/05	1.34	0.0378	0.159	0.178				103	916	
MW-14	12/20/05	2.80	0.049	0.750	0.670				82.1		
MW-14	4/12/06	0.93	0.053	0.055	0.053				30.7		
MW-14	10/12/06										NS
MW-14	4/30/07	0.880	0.005 J	0.200	0.280				29.8	669	
MW-14	10/23/07	0.77	0.0057	0.160	0.210				21.8		
MW-14	5/20/08	0.970	0.0067	0.180	0.210				20.1		
MW-14	10/20/08	1.50	0.027	0.220	0.270				26.2		
MW-14	4/16/09	0.86	0.0051	0.140	0.240				17.2		
MW-14	9/29/09	0.56	0.012	0.057	0.160				14.8		
MW-14	4/6/10	0.540	0.0042	0.083	0.180						
MW-14	10/6/10	0.170	0.028	0.0068	0.086						
MW-14	4/20/11	0.460	0.0022	0.00088 J	0.0035	1.04	0.69		31.4		
MW-14	10/19/11	1.48	<0.200	<0.100	<0.100	<1.50	1.560		55.9		
MW-14	4/26/12	0.487	<0.0400	<0.0200	<0.0200	<1.50	<1.50		55.8		
MW-14	11/7/12	0.104	<0.00200	<0.00100	<0.00100	<1.50	<1.50		69.7		
MW-14	4/25/13	0.203	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-14	10/24/13	0.162	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-14	2/13/14	0.128	<0.00200	<0.00100	0.00300	<1.50	<1.50	<1.50			
MW-14	10/29/14	0.00813	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-14	3/2/15	0.0194	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-14	10/28/15	0.0186	<0.00200	<0.00100	<0.00100	<1.41	<2.13	<2.13			
MW-14	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	1.9	<1.41	1.9			
MW-14	8/24/16	0.00676	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-14	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-14	8/31/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-14	4/4/18	0.00766	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-14	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-14	1/30/19	0.00904	<0.00200	<0.00200	<0.00200	0.002	<1.50	<1.50			
MW-14	12/19/19	0.001	<0.00020	<0.00021	0.00080 J	<1.50	<1.50	<1.50			
MW-15	10/9/02	<0.001	<0.001	<0.001	<0.001						
MW-15	8/13/03	<0.001	<0.001	<0.001	<0.001						
MW-15	8/12/04	<0.001	<0.001	<0.001	<0.001				60.3	450	
MW-15	2/18/05	<0.001	<0.001	<0.001	<0.001				78.0	462	
MW-15	12/20/05	0.006	<0.0007	0.003 J	0.002 J				79.2		
MW-15	4/12/06	0.58	0.054	0.018	0.016				54.8		
MW-15	10/11/06	0.034	<0.0002	0.0008 J	<0.0006				91.6		
MW-15	4/30/07	0.0005 J	<0.0002	<0.0002	<0.0006				94.7	433	
MW-15	10/23/07	0.0011	<0.0002	<0.0002	<0.0006				88.3		
MW-15	5/19/08	<0.0002	<0.0002	0.0003 J	<0.0006				99.5		
MW-15	10/14/08	0.0012	0.0021	0.0007 J	0.0016 J				78.6		
MW-15	4/15/09	<0.0002	<0.0002	<0.0002	<0.0006				79.7		
MW-15	9/29/09	0.0065	0.0030	0.0007 J	0.0008 J				84.0		
MW-15	4/5/10	0.0082	0.0003 J	<0.0002	0.0007 J						
MW-15	10/5/10	0.029	<0.0002	<0.0002	0.0011 J						
MW-15	4/26/11	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		95.1		
MW-15	10/19/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		70.8		
MW-15	4/25/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		78.1		
MW-15	11/8/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		76.6		
MW-15	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-15	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-15	2/12/14	0.00134	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-15	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-15	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-15	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			

Table 2- Historical Groundwater Analytical Results

TABLE 2
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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-15	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-15	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	8/31/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	1/30/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	12/19/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-16	10/23/03	<0.001	<0.001	<0.001	<0.001				60.3	381	
MW-16	8/12/04	<0.001	<0.001	<0.001	<0.001				56.6	346	
MW-16	2/18/05	<0.001	<0.001	<0.001	<0.001				60.0	596	
MW-16	12/20/05	0.007	<0.0007	0.002 J	0.001 J				48.3		
MW-16	4/12/06	0.11	0.024	0.011	0.010				33.3		
MW-16	10/11/06	0.064	<0.0002	0.001	0.0006 J				49.3		
MW-16	4/26/07	0.001 J	<0.0002	<0.0002	<0.0006				59.5	176	
MW-16	10/23/07	<0.0002	<0.0002	<0.0002	<0.0006				46.4		
MW-16	5/19/08	0.0007 J	<0.0002	0.0004 J	<0.0006				53.6		
MW-16	10/14/08	0.0007 J	0.0025	0.0005 J	0.0012 J				57.1		
MW-16	4/15/09	<0.0002	<0.0002	<0.0002	<0.0006				49.1		
MW-16	9/29/09	0.0094	0.0037	0.0007 J	0.0008 J				51.8		
MW-16	4/5/10	<0.0002	<0.0002	<0.0002	<0.0006						
MW-16	10/5/10	<0.0002	<0.0002	<0.0002	<0.0006						
MW-16	4/19/11	<0.00020	0.0030	<0.00020	<0.00070	<0.020	<0.020		53.1		
MW-16	10/18/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	1.64		53.6		
MW-16	4/24/12	<0.00100	0.00333	<0.00100	<0.00100	<1.50	<1.50		84.1		
MW-16	11/7/12	<0.00100	<0.00200	<0.00100	0.00600	<1.50	<1.50		53.7		
MW-16	4/24/13	<0.00100	<0.00200	<0.00100	0.00600	<1.50	<1.50				
MW-16	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-16	2/12/14	0.00431	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-16	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-16	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-16	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-16	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-16	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	2/28/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	2/1/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	12/19/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-17	10/23/03	<0.001	<0.001	<0.001	<0.001				292	1,090	
MW-17	8/12/04	<0.001	<0.001	<0.001	<0.001				230	894	
MW-17	2/18/05	<0.001	<0.001	<0.001	<0.001				160	758	
MW-17	12/20/05	0.053	<0.004	<0.004	<0.004				116		
MW-17	4/12/06	0.5	0.07	0.012	0.013				55.4		
MW-17	10/11/06	0.17	<0.0002	0.0024	0.0014 J				154		
MW-17	4/30/07	0.001	<0.0002	<0.0002	<0.0006				145	668	
MW-17	10/23/07	0.0029	<0.0002	<0.0002	<0.0006				117		
MW-17	5/19/08	0.0005 J	<0.0002	0.0003 J	<0.0006				133		
MW-17	10/14/08	0.0007 J	0.0022	0.0005 J	0.0012 J				144		
MW-17	4/15/09	<0.0002	<0.0002	<0.0002	<0.0006				77.2		
MW-17	9/29/09	0.0081	0.0034	0.0008 J	0.0012 J				46.3		
MW-17	4/5/10	0.270	<0.0002	0.0005 J	0.0080						
MW-17	10/5/10	1.300	<0.0002	0.0017	0.021						
MW-17	4/26/11	0.220	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		33.4		
MW-17	10/20/11	0.127	<0.00200	<0.00100	<0.00100	<1.50	1.87		28.2		
MW-17	4/26/12	0.203	<0.0400	<0.0200	<0.0200	<1.50	<1.50		30.6		
MW-17	11/7/12	0.243	<0.00200	<0.00100	0.00261	<1.50	<1.50		34.3		
MW-17	4/25/13	6.980	<0.20000	<0.10000	<0.10000	<8.20	<1.50				

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Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-17	10/24/13	12.1	<0.100	<0.0500	0.0710	11.1	<1.50	<11.10			
MW-17	2/14/14	19.8	<0.100	<0.0500	0.0500	20.9	<1.50	20.9			
MW-17	10/30/14	22.3	<0.200	<0.100	<0.100	24.7	<1.48	24.7			
MW-17	3/3/15	23.8	<0.200	<0.100	<0.101	29.9	<1.50	29.9			
MW-17	10/28/15	18.8	<0.100	<0.128	0.5890	27.4	<1.41	27.4			
MW-17	3/2/16	0.279	<0.00200	<0.00100	<0.00100	13.9	<1.41	13.9			
MW-17	8/24/16	0.0927	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-17	3/1/17	0.336	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-17	8/30/17	4.32	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW-17	4/4/18	2.50	<0.00200	<0.00200	<0.00200	5.23	<1.50	5.23			
MW-17	9/4/18	0.463	<0.0400	<0.0400	<0.0400	<1.50	<1.50	<1.50			
MW-17	1/31/19	2.22	0.00041	<0.00200	0.00071	4.00	<1.50	<1.50			
MW-17	12/19/19	6.9	0.00040	0.0076 J	0.016 J	23.00	<1.50	23			
MW-18	10/23/03	0.07	<0.001	<0.001	<0.001				81.5	637	
MW-18	8/11/04	0.307	<0.001	<0.001	0.001				92.2	641	
MW-18	2/18/05	0.430	<0.001	<0.001	<0.001				98.2	782	
MW-18	12/20/05	0.530	<0.0007	0.005	0.010				102		
MW-18	4/12/06	0.180	0.017	0.015	0.016				89.2		
MW-18	10/12/06	0.042	<0.0002	<0.0002	<0.0006				104		
MW-18	4/30/07	0.180	<0.0002	<0.0002	0.0013 J				105	665	
MW-18	10/23/07	0.260	<0.0002	<0.0002	0.0014 J				92.5		
MW-18	5/19/08	0.460	0.011	0.0098	0.008				110		
MW-18	10/20/08	0.110	0.0005 J	0.0009 J	0.0018 J				115		
MW-18	4/16/09	0.140	0.0013	0.0037	0.0028 J				97.1		
MW-18	9/30/09	0.0099	0.0029	0.0007 J	0.0008 J				100		
MW-18	4/6/10	0.0045	<0.0002	<0.0002	<0.0006						
MW-18	10/6/10	0.0015	<0.0002	<0.0002	<0.0006						
MW-18	4/19/11	<0.00020	0.0030	<0.00020	<0.00070	<0.020	<0.020		73.9		
MW-18	10/19/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		48.0		
MW-18	4/25/12	<0.00100	0.00310	<0.00100	<0.00100	<1.50	<1.50		105		
MW-18	11/7/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		68.7		
MW-18	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-18	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-18	2/12/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-18	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-18	2/25/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-18	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-18	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-18	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	8/31/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	4/4/18	0.00506	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	1/29/19	0.00043	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-19	10/22/03	1.99	0.334	0.089	0.115				62.0	554	
MW-19	8/9/04	11.7	2.9	0.408	0.387				44.3	492	
MW-19	2/18/05	10.8	2.16	0.183	0.145				56.6	369	
MW-19	12/21/05	23.0	5.4	0.850	0.930				36.7		
MW-19	4/11/06	16.0	2.4	0.320	0.360				52.8		
MW-19	10/12/06	11.0	2.0	0.350	0.400				53.6		
MW-19	5/1/07	13.0	2.0	0.370	0.440				64.2	377	
MW-19	10/24/07	11.0	1.1	0.350	0.430				62.2		
MW-19	5/8/08										NS--LNAPL
MW-19	10/08/08										NS--LNAPL
MW-19	04/16/09										NS--LNAPL
MW-19	9/28/09										NS--LNAPL
MW-19	4/5/10										NS--LNAPL
MW-19	10/5/10										NS--LNAPL

Table 2- Historical Groundwater Analytical Results

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-19	4/18/11										NS--LNAPL
MW-19	10/18/11										NS--LNAPL
MW-19	4/23/12										NS--LNAPL
MW-19	11/5/12										NS--LNAPL
MW-19	4/23/13										NS--LNAPL
MW-19	10/22/13										NS--LNAPL
MW-19	2/11/14										NS--LNAPL
MW-19	10/27/14										NS--LNAPL
MW-19	2/24/15										NS--LNAPL
MW-19	10/26/15										NS--LNAPL
MW-19	2/29/16										NS--LNAPL
MW-19	8/22/16										NS--LNAPL
MW-19	3/3/17										NS--LNAPL
MW-19	8/30/17										NS--LNAPL
MW-19	4/3/18										NS--LNAPL
MW-19	8/27/18										NS--LNAPL
MW-19	1/29/19										NS--LNAPL
MW-19	12/19/19										NS--LNAPL
MW-20	10/23/03	<0.001	<0.001	<0.001	<0.001				42.5	441	
MW-20	8/11/04	<0.001	<0.001	<0.001	<0.001				21.3	349	
MW-20	2/18/05	<0.001	<0.001	<0.001	<0.001				21.1	446	
MW-20	12/20/05	0.004 J	<0.0007	0.001 J	0.0008 J				18.2		
MW-20	4/11/06	0.0004 J	<0.0002	<0.0002	<0.0006				17.4		
MW-20	10/11/06	0.0005 J	<0.0002	<0.0002	<0.0006				21.7		
MW-20	4/26/07	<0.0002	<0.0002	<0.0002	<0.0006				19.1	322	
MW-20	10/22/07	<0.0002	<0.0002	<0.0002	<0.0006				17.2		
MW-20	5/14/08	0.0037	<0.0002	0.0012	<0.0006				17.5		
MW-20	10/15/08	0.0004 J	0.0004 J	<0.0002	<0.0006				19.1		
MW-20	4/16/09	0.04	0.0006 J	0.0021	0.0016 J				18.3		
MW-20	9/28/09	0.0086	0.0034	0.0007 J	0.0008 J				16.5		
MW-20	4/6/10	0.0011	<0.0002	<0.0002	<0.0006						
MW-20	10/6/10	0.0022	<0.0002	<0.0002	<0.0006						
MW-20	4/19/11	<0.00020	0.0039	<0.00020	<0.00070	<0.020	<0.020		15.6		
MW-20	10/20/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		15.6		
MW-20	4/25/12	<0.00100	0.00452	<0.00100	<0.00100	<1.50	<1.50		16.5		
MW-20	11/9/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		13.3		
MW-20	4/25/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-20	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-20	2/13/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-20	10/29/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-20	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-20	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-20	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-20	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	4/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	1/30/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-21	10/23/03	<0.001	<0.001	<0.001	<0.001				40.8	455	
MW-21	8/12/04	<0.001	<0.001	<0.001	<0.001				31.9		
MW-21	2/18/05	<0.001	<0.001	<0.001	<0.001				35.4	405	
MW-21	12/21/05	0.01	<0.0007	0.002 J	0.002 J				43.7		
MW-21	4/12/06	0.02	0.010	0.004	0.004				22.0		
MW-21	10/12/06	0.30	0.140	0.026	0.029				38.7		
MW-21	4/30/07	<0.0002	<0.0002	<0.0002	<0.0006				20.3	306	
MW-21	10/23/07	<0.0002	<0.0002	<0.0002	<0.0006				20.6		
MW-21	5/19/08	0.0018	<0.0002	0.0006 J	<0.0006				26.8		

Table 2- Historical Groundwater Analytical Results

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-21	10/20/08	0.0098	0.0027	0.0002 J	<0.0006				22.3		
MW-21	4/21/09	0.031	0.0009 J	0.0022	0.0018 J				19.1		
MW-21	9/28/09										NS--construction
MW-21	4/5/10										NS--construction
MW-21	10/6/10	0.0007 J	<0.0002	<0.0002	<0.0006						
MW-21	4/21/11	<0.00020	0.0023	<0.00020	<0.00070	<0.020	<0.020		37.7		
MW-21	10/18/11										NS--Chevron Alarm
MW-21	4/24/12	<0.00100	0.00424	<0.00100	<0.00100	<1.50	<1.50		69.4		
MW-21	11/8/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		63.8		
MW-21	4/25/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-21	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-21	2/12/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-21	10/29/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-21	3/2/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-21	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-21	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-21	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-21	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-21	8/31/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-21	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-21	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	252	683	
MW-21	1/31/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	263	972	
MW-21	12/17/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50	240 B	1100	
MW-22	10/23/07	0.0005 J	<0.0002	<0.0002	<0.0006				172		
MW-22	5/19/08	0.0008 J	<0.0002	0.0004 J	<0.0006				171		
MW-22	10/14/08	0.0021	0.003	0.0018	0.004				185		
MW-22	4/15/09	0.0003 J	<0.0002	<0.0002	<0.0006				353		
MW-22	9/28/09	0.0046	0.0023	0.0006 J	0.0007 J				249		
MW-22	4/5/10	0.0027	0.0002 J	<0.0002	<0.0006						
MW-22	10/5/10	0.012	<0.0002	<0.0002	0.0007 J						
MW-22	4/21/11	<0.00020	0.0028	<0.00020	<0.00070	<0.020	<0.020		544		
MW-22	10/18/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		396		
MW-22	4/25/12	<0.00100	0.00447	<0.00100	<0.00100	<1.50	<1.50		401		
MW-22	11/8/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		263		
MW-22	4/25/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		116		
MW-22	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-22	10/23/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50	164		
MW-22	2/12/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50	242		
MW-22	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48	350		
MW-22	2/25/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-22	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-22	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-22	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	85.8	452	
MW-22	2/28/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	253	792	
MW-22	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	753	2420	
MW-22	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50		836	
MW-22	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-22	2/1/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-22	12/19/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-23	10/23/07	0.0002 J	<0.0002	<0.0002	<0.0006				108		
MW-23	5/15/08	0.0041	<0.0002	0.0006 J	<0.0006				60.5		
MW-23	10/14/08	0.0027	0.0046	0.0009 J	0.0021 J				66.8		
MW-23	4/14/09	<0.0002	<0.0002	<0.0002	<0.0006				73.2		
MW-23	9/28/09	0.011	0.004	0.0009 J	0.001 J				107		
MW-23	4/5/10	<0.0002	0.0004 J	<0.0002	<0.0006						
MW-23	10/5/10	<0.0002	<0.0002	<0.0002	<0.0006						
MW-23	4/19/11	<0.00020	0.0034	<0.00020	<0.00070	<0.020	<0.020		75.5		
MW-23	10/18/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		110		
MW-23	4/25/12	<0.00100	0.00380	<0.00100	<0.00100	<1.50	<1.50		130		

TABLE 2
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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-23	11/8/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		151		
MW-23	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-23	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-23	2/12/14	0.01970	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-23	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-23	2/25/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-23	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-23	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-23	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	2/1/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	12/19/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-24	10/22/07	0.0026	<0.0002	<0.0002	<0.0006				80.4		
MW-24	5/15/08	0.023	<0.0002	0.0007 J	<0.0006				28.8		
MW-24	10/15/08	0.002	0.0003 J	<0.0002	<0.003				33.4		
MW-24	4/16/09	0.079	0.0009 J	0.0028	0.0022 J				30		
MW-24	9/28/09	0.0067	0.0024	0.0006 J	0.0007 J				28.5		
MW-24	4/6/10	0.590	0.028	0.037	0.022						
MW-24	10/6/10	0.0030	<0.0002	<0.0002	<0.0006						
MW-24	4/20/11	<0.00020	0.0024	<0.00020	<0.00070	<0.020	<0.020		61.6		
MW-24	10/19/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		59.5		
MW-24	4/25/12	<0.00100	0.00302	<0.00100	<0.00100	<1.50	<1.50		87.4		
MW-24	11/9/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		89.6		
MW-24	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-24	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-24	2/13/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-24	10/29/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-24	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-24	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-24	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-24	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	4/4/18	0.00289	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	1/30/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	12/17/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-25	6/4/15	<0.00100	<0.00200	<0.00100	<0.00100	--	--	<0			
MW-25	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-25	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-25	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	1/30/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-26	6/4/15	0.11200	<0.00200	<0.00149	<0.00900	--	--	<0			
MW-26	10/29/15	0.03420	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-26	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-26	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	3/2/17	0.01580	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	8/30/17	0.00639	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	4/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
MW-26	1/30/19	0.00112	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	12/17/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
EW-1	10/4/10										NS--LNAPL
EW-1	4/18/11										NS--LNAPL
EW-1	10/18/11										NS--LNAPL
EW-1	4/23/12										NS--LNAPL
EW-1	11/5/12										NS--LNAPL
EW-1	4/23/13										NS--LNAPL
EW-1	10/22/13										NS--LNAPL
EW-1	2/11/14										NS--LNAPL
EW-1	10/27/14										NS--LNAPL
EW-1	2/24/15										NS--LNAPL
EW-1	10/26/15										NS--LNAPL
EW-1	2/29/16										NS--LNAPL
EW-1	8/23/16	0.451	0.0108	0.0342	0.0694	2.29	2.11	4.40			
EW-1	3/3/17	0.379	0.00957	0.0202	0.0384	3.93	2.98	6.91			
EW-1	8/30/17										NS--LNAPL
EW-1	4/3/18										NS--LNAPL
EW-1	8/27/18										NS--LNAPL
EW-1	1/29/19										NS--LNAPL
EW-1	12/19/19										NS--LNAPL
TW-11	4/5/10	<0.00020	<0.0002	<0.0002	<0.0006						
TW-11	10/5/10	<0.00020	<0.0002	<0.0002	<0.0006						
TW-11	4/19/11	<0.00020	0.0035	<0.00020	<0.00070	<0.020	<0.020		90.1		
TW-11	10/19/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		28.7		
TW-11	4/26/12	<0.00100	0.00296	<0.00100	<0.00100	<1.50	<1.50		30.4		
TW-11	11/6/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		28.1		
TW-11	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
TW-11	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-11	2/11/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-11	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
TW-11	3/2/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-11	10/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW-11	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW-11	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	2/28/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	8/29/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	1/31/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
TW-13	4/5/10	<0.0002	<0.0002	<0.0002	<0.0006						
TW-13	10/4/10	<0.0002	<0.0002	<0.0002	<0.0006						
TW-13	4/19/11	<0.00020	0.0036	<0.00020	<0.00070	<0.020	<0.020		94.8		
TW-13	10/18/11	0.0311	<0.00200	<0.00100	<0.00100	<1.50	1.69		90.2		
TW-13	4/26/12	<0.00100	0.00339	<0.00100	<0.00100	<1.50	<1.50		83.0		
TW-13	11/7/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		64.8		
TW-13	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
TW-13	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-13	3/2/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-13	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.40	<1.40	<1.40			
TW-13	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW-13	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-13	2/28/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-13	8/31/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-13	4/4/18	0.00292	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-13	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-13	1/29/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

Table 2- Historical Groundwater Analytical Results

TABLE 2
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
TW-13	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
TW-20	11/6/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		53.5		
TW-20	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
TW-20	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-20	3/2/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-20	10/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.40	<1.40	<1.40			
TW-20	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW-20	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-20	2/28/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-20	8/29/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-20	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-20	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-20	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
TW-20	Plugged & Abandon- April 2020										
Dup-1 (MW-24)	4/16/09	0.077	0.0009 J	0.0028	0.0022 J				29.7		
Dup-2 (MW-3)	4/16/09	0.46	0.067	0.011	0.019				51.5		
Dup-100 (MW-18)	9/30/09	0.0096	0.0030	0.0007 J	0.0008 J				97.6		
Dup-200 (MW-4)	9/30/09	17.00	0.110	0.310	0.140 J				56.7		
Dup-100 (MW-12)	4/6/10	0.0005 J	<0.0002	<0.0002	<0.0006						
Dup-101 (MW-4)	4/6/10	25.000	0.500	0.460	0.220 J						
Dup-1 (MW-20)	10/6/10	0.0023	<0.0002	<0.0002	<0.0006						
Dup-2 (MW-1)	10/7/10	3.400	0.0032 J	0.0011 J	<0.0030						
DUP1 (MW-12)	4/19/11	<0.00020	0.0042	<0.00020	<0.00070	<0.020	<0.020		43.1		
DUP2 (MW-10)	4/20/11	<0.00020	0.0021	<0.00020	<0.00070	<0.020	<0.020		43.3		
Dup-1 (MW-16)	10/18/11	0.00105	<0.00200	<0.00100	<0.00100	<1.50	1.85		56.3		
Dup-2 (MW-4)	10/20/11	21.8	<0.0500	0.0750	0.0560	20.2	2.16		77.3		
Trip Blank	10/18/11	<0.00100	<0.00200	<0.00100	<0.00100						
Dup-04 (MW-20)	4/25/12	<0.00100	0.00445	<0.00100	<0.00100	<1.50	<1.50		16.5		
Trip Blank	4/25/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dup-2 (MW-4)	4/26/12	17.0	<0.00100	<0.250	<0.250	15.7			77.0		
Dup1 (TW-20)	11/6/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dup2 (TW-13)	11/7/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Trip Blank	11/9/12	<0.00100	<0.00200	<0.00100	<0.00100						
Dup-1 (MW-10)											
Dup-2 (MW-1)											
Dup-1	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dup-2	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dup03	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Trip Blank	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100						
Dup1 (MW-10)	10/23/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup2 (MW-1)	10/24/13	6.10	<0.0400	<0.0200	0.0366	6.38	<1.50	6.38			
Trip Blank	10/24/13	<0.00100	<0.00200	<0.00100	<0.00100						
Dup1 (MW-13)	2/10/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup2 (MW-5)	2/12/14	0.05590	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup3 (MW-17)	2/14/14	18.80000	<0.10000	<0.05000	<0.05000	21.6	<1.50	21.6			
Trip Blank	2/14/14	<0.00100	<0.00200	<0.00100	<0.00100						
Dup1 (MW-18)	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
Dup2 (MW-17)	10/30/14	23.4	<0.200	<0.100	<0.100	28.1	<1.48	28.1			
Dup1 (MW-16)	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup2 (MW-7)	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup3 (MW-2)	3/3/15	0.0922	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup2 (MW-7)	2/26/15	<0.00100	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup1 (MW-16)	2/26/15	<0.00100	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup-1 (MW-16)	10/27/15	<0.00100	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dup-1 (MW-16)	10/27/15	<0.00100	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			
DUP-2 (MW-26)	10/29/15	0.0397	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dup-1 (MW-23)	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dup-2 (MW-26)	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dup-3 (MW-1)	3/3/16	1.23	<0.0400	<0.0200	<0.0200	2.25	<1.41	2.25			

Table 2- Historical Groundwater Analytical Results

TABLE 2
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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO



Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C ₆ -C ₃₆	Chloride	TDS	Notes
NMWQCC Standards		0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	---	---	---	250 mg/L	1000 mg/L	
Dup-1 (MW-23)	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup-2 (MW-20)	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup-3 (MW-25)	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup-1 (MW-23)	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup-2 (MW-24)	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup-3 (MW-12)	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-5)	8/31/17	0.0993	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-6)	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (TW-20)	8/29/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-15)	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-25)	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-7)	4/6/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-7)	8/29/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-15)	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-24)	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW-4)	12/19/19	12.00	<0.0040	0.044	0.030 J	33.00	0.19 J H	<0.26			
Dup (MW-14)	1/30/19	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
Dup (MW-23)	2/1/19	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
Dup (TW-20)	1/31/19	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			

NOTES:

NMWQCC - New Mexico Water Quality Control Commission

mg/L - milligrams per liter

NA - Not Analyzed

J - Reported as an estimate

Cells shaded yellow indicate that concentration exceeds NMWQCC standard. Not sampled due to presence of LNAPL.

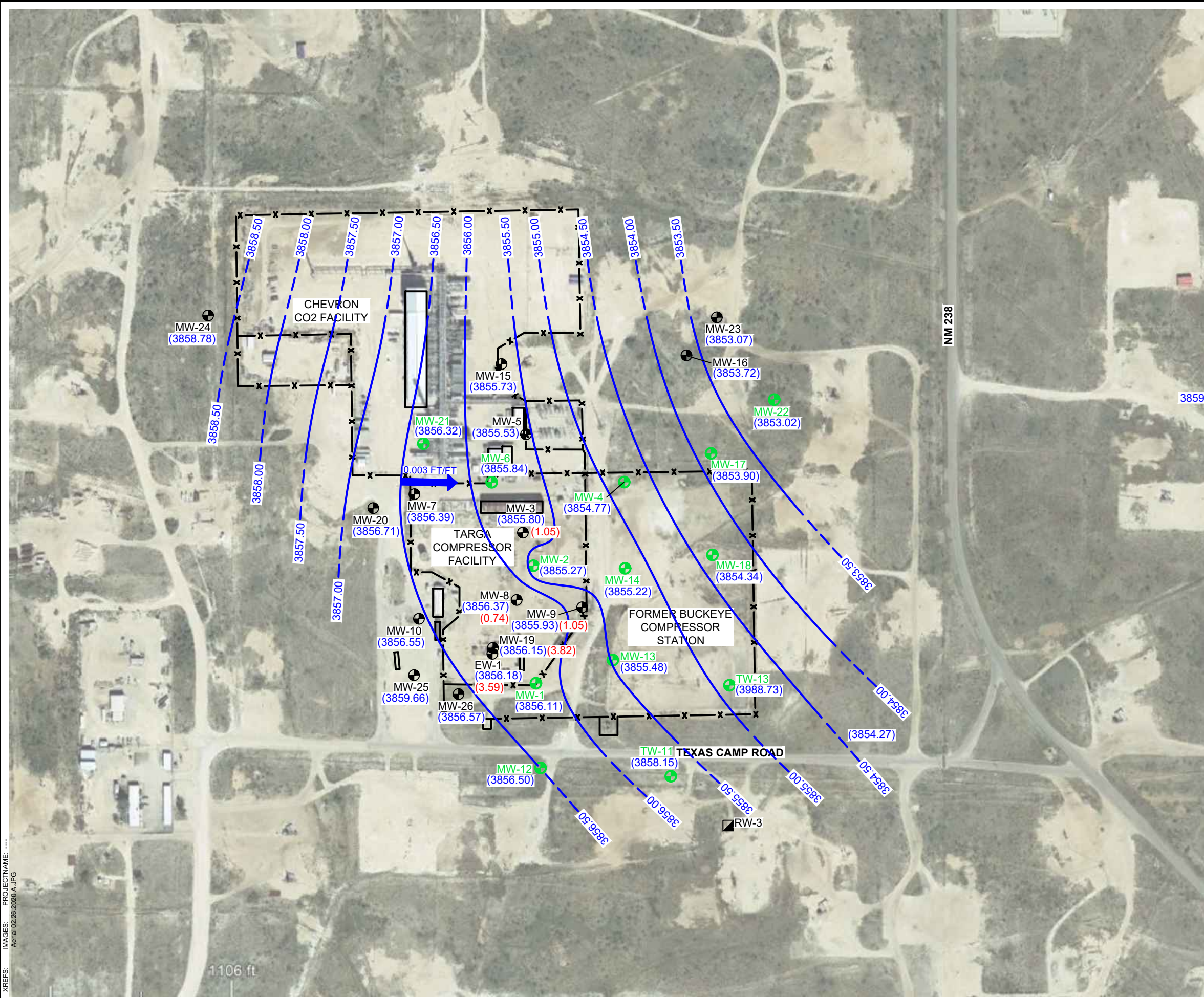
LNAPL - low density non-aqueous liquids.

NS - Not sampled

FIGURES



CITY: (Ref) DIV: (Ref) DB: (Ref) LD: (Ref) PIC: (Ref) PM: (Ref) LVR: (Ref) ON: (Ref) OFF: (Ref)
C:\Users\hungen\BIM\360\Arcadis\IANA - CHEVRON CORPORATION\Project Files\Buckeye Compressor Station\2020\3004276101-DWG\GWM-2020-FIG-1-PSM-DEC2019-06-30-2020.dwg LAYOUT: 1 SAVED: 6/30/2020 5:03 PM ACADVER: 23.0S (LMS TECH) PAGES: 1 PLOTSTYLETABLE: ----
PLOTTED: 6/30/2020 5:03 PM BY: BURGER, NICK
XREFS: IMAGES: PROJECTNAME: Aerial02.26.2020 A.JPG



- LEGEND:**
- x — x — FENCE LINE
 - MW-9 ● MONITORING WELL LOCATION
 - MW-1 ● MONITORING WELL LOCATION TO BE SAMPLED DURING REDUCED EVENT
 - RW-1 ▣ RECOVERY WELL LOCATION
 - ABANDONED (PLUGGED) WELL LOCATION
 - MW-11 ● DESTROYED WELL LOCATION
 - (3858.78) GROUNDWATER ELEVATION IN FEET (FT)
 - 3859.00 — — GROUNDWATER ELEVATION CONTOUR (INTERVAL = 0.5 FT)
 - ← APPROXIMATE DIRECTION OF GROUNDWATER FLOW
 - 0.003 FT/FT APPROXIMATE HYDRAULIC GRADIENT (FEET/FOOT)
 - (3.59) LNAPL THICKNES IN FEET (FT)

- NOTES:**
1. WELLS TW-11, TW-13, AND MW-25 WERE NOT USED DUE TO ANOMALOUS DATA.
 2. GROUNDWATER ELEVATIONS ARE FROM MEASUREMENTS OBTAINED ON DECEMBER 16, 2019.
 3. MONITORING WELLS HIGHLIGHTED GREEN ARE PROPOSED TO BE SAMPLED DURING REDUCED SAMPLING EVENT (ONE SEMI-ANNUAL EVENT)

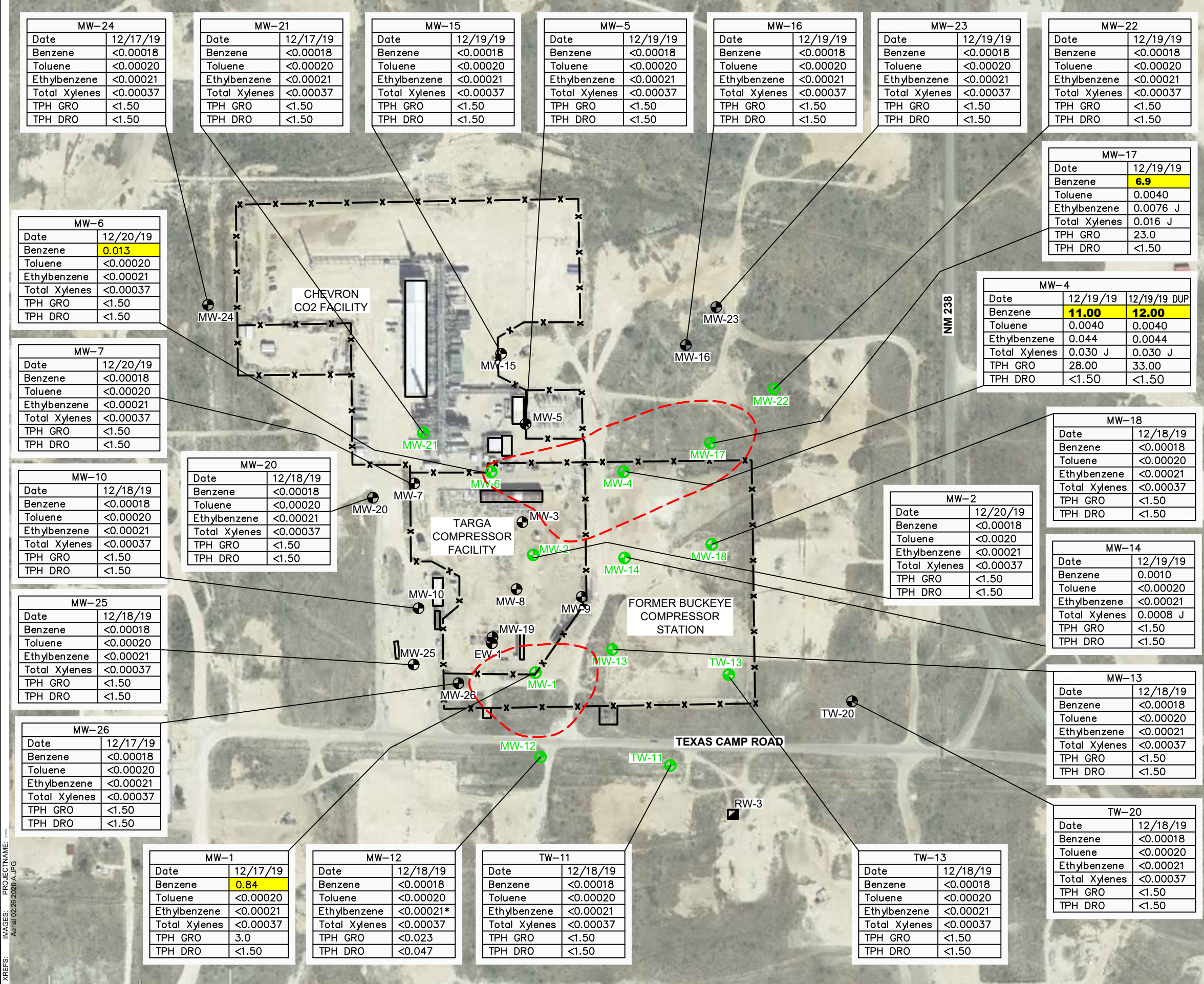
CHEVRON ENVIRONMENT MANAGEMENT COMPANY
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

**POTENTIOMETRIC SURFACE MAP
DECEMBER 2019**



FIGURE
1

CITY: (Regd) DIV: (GROUP: (Regd) DB: (Regd) LD: (Opt) PIC: (Opt) PM: (Read) TM: (Opt) LVR: (Opt) ONE: "OFF" REF: C:\Users\hurburn\BIM\360\Arcadis\IANA - CHEVRON CORPORATION\Project Files\Buckeye Compressor Station\2020\3004276101-DWG\FIG2-Reduced Sampling Plan 06.30.2020.dwg LAYOUT: 2 - SAVED: 6/30/2020 5:00 PM ACADVER: 23.05 (LMS TECH) PAGES: 24 PLOTTED: 6/30/2020 5:02 PM BY: BURGER, NICK



LEGEND:

- FENCE LINE
- MONITORING WELL LOCATION
- MONITORING WELL LOCATION TO BE SAMPLED DURING REDUCED EVENT
- RECOVERY WELL LOCATION
- ABANDONED (PLUGGED) WELL LOCATION
- DESTROYED WELL LOCATION
- ESTIMATED EXTENT OF DISSOLVED PHASE PLUME EXCEEDING NMWQCC STANDARDS
- B DISSOLVED BENZENE (mg/L)
- T DISSOLVED TOLUENE (mg/L)
- E DISSOLVED ETHYLBENZENE (mg/L)
- X DISSOLVED XYLENES (mg/L)
- TPH-GRO DISSOLVED TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE ORGANICS (C6-C10) (mg/L)
- TPH-DRO DISSOLVED TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE ORGANICS (C10-C28) (mg/L)
- LNAPL LIGHT NON-AQUEOUS PHASE LIQUID
- NS NOT SAMPLED

Analyte	NMWQCC Standards for Groundwater (mg/L)
Benzene	0.01
Toluene	0.75
Ethylbenzene	0.75
Total Xylenes	0.62
TPH GRO	No Standard
TPH DRO	No Standard

NOTES:

1. MONITORING WELLS HIGHLIGHTED GREEN ARE PROPOSED TO BE SAMPLED DURING REDUCED SAMPLING EVENT (ONE SEMI-ANNUAL EVENT)

0 300' 600'

Approximate Scale: 1 in. = 300 ft.

CHEVRON ENVIRONMENT MANAGEMENT COMPANY
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

**PROPOSED GROUNDWATER MONITORING
REDUCTION PLAN**

ARCADIS Design & Consultancy for natural and built assets

FIGURE 2

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 9410

CONDITIONS

Operator: Arcadis U.S., Inc 630 Plaza Drive Highlands Ranch, CO 80129	OGRID: 329073
	Action Number: 9410
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Accepted for the record. See app ID 59772 for most updated status.	12/1/2022