GW-175

4th Quarter 2008 Groundwater Monitoring

Work Plan

DATE:
02.18.09

DCP Midstream
370 17th Street, Suite 2500
Denver, CO 80202
303-595-3331
303-605-2226 FAX

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February 18, 2009

Mr. Wayne Price
Environmental Bureau Chief
New Mexico Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

RE: 4th Quarter 2008 Groundwater Monitoring Results
DCP Hobbs Gas Plant (GW-175)
Unit G, Section 36, Township 18 South, Range 36 East
Lea County, New Mexico

Dear Mr. Price:

DCP Midstream, LP (DCP) is pleased to submit for your review, one copy of the 4th Quarter 2008 Groundwater Monitoring Results for the DCP Hobbs Gas Plant located in Lea County, New Mexico (Unit G, Section 36, Township 18 South, Range 36 East).

If you have any questions regarding the report, please call at 303-605-1718 or e-mail me swweathers@dcpmidstream.com.

Sincerely

DCP Midstream, LP

Stephen Weathers, P.G.
Principal Environmental Specialist

cc: Larry Johnson, OCD Hobbs District Office (Copy on CD)
Environmental Files

dcp Midstream SM

Q4 2008 GROUNDWATER MONITORING REPORT

Hobbs Gas Plant
Lea County, New Mexico

January 2009

ARCADIS
Infrastructure, environment, buildings

Q4 2008 Groundwater Monitoring Report

Hobbs Gas Plant

Matthew W. Bauer
Geologist

Ken Lehman
Project Manager

Prepared for:
DCP Midstream

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Our Ref.:
CO001312

Date:
January 28, 2009

1. Site Location and Background

ARCADIS U.S., Inc. (ARCADIS) is submitting to DCP Midstream (DCP) the results of groundwater monitoring activities that were performed during the fourh quarter of 2008 (Q4 2008) at the Hobbs Gas Plant (Site) in Lea County, New Mexico (Figures 1 and 2). The Site occupies approximately 2.6 acres of land in the northeast quadrant of Section 36, Township 18 South, and Range 36 East of the New Mexico Meridian.

Currently, the Site is configured as a cryogenic processing plant with a laboratory, an amine unit, compressors, sumps, mol sieve dehydration, and tank batteries. The plant also has an on-site water production well that is used for non-potable water. The Site is generally surrounded by undeveloped land. The Apex Compressor Station is located approximately 750 feet north of the Hobbs Gas Plant.

The ownership of the Hobbs Gas Plant was transferred from ConocoPhilips (COP) to Duke Energy Field Services (DEFS) on March 10, 2004. DEFS changed its name to DCP in January 2007.

2. Groundwater Monitoring

ARCADIS conducted quarterly groundwater monitoring activities at the Site on December 3, 2008. Monitoring consisted of the measurement of water levels from six groundwater monitoring wells. Groundwater samples were collected from these six wells for water quality analysis. Water quality samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by Environmental Protection Agency (EPA) Method 8260.

2.1 Water Level Gauging

ARCADIS collected water level measurements prior to disturbance of the water column (Table 1). Depth to water ranged from 60.41 feet to 62.22 feet below ground surface. Groundwater elevation contours constructed using the December 3, 2008 measurements are provided on Figure 3. The groundwater gradient is 0.005 foot per foot flowing in a southeast direction both of which are consistent with previous gauging events.

2.2 Groundwater Quality Monitoring

Prior to sampling, wells were purged a minimum of three well casing volumes to ensure the collection of a representative groundwater sample. Groundwater samples were collected using dedicated disposable polyethylene bailers, placed in laboratory-supplied containers, and packed and shipped in accordance with accepted practices to Accutest Laboratory in Houston, Texas for analyses.

Table 2 summarizes BTEX concentrations in the groundwater samples collected during the Q4 2008 sampling events, and the laboratory analytical reports are included in Appendix A. The groundwater sample results are also posted on Figure 4, which illustrates the distribution of petroleum hydrocarbon in groundwater. The Q4 2008 analytical results can be summarized as follows:

- Benzene was detected at concentrations above the regulatory standard of 10 micrograms per liter (ug/L) in two monitoring wells. The concentration of benzene ranged from 25.6 ug/L in well MWB to 39.0 ug/L in well MWC.

- Toluene, ethylbenzene, and xylenes were not detected at concentrations above the regulatory standards of 1,000 ug/L, 700 ug/L, and 10,000 ug/L, respectively.

3. Closing Remarks

DCP will continue to monitor the site conditions and perform quarterly groundwater monitoring. Results of first quarter 2009 (Q1 2009) sampling will be reported in the Q1 2009 Groundwater Monitoring Report.

ARCADIS

Tables

Table 1. Summary of Groundwater Elevations
Hobbs Gas Plant
DCP Midstream

Well ID	Survey Data (feet)				Depth to Water Data (feet)					
	Easting	Northing	Top of Casing Elevation	Well Depth	Sample Date	Depth to Water	Depth to PSH	PSH Thickness	Corrected Groundwater Elevation	Comments
MWA	856827.79	622187.48	3755.87	71.01	12/3/2008	60.41	-	-	3695.46	
					9/15/2008	60.58	-	-	3695.29	
					6/2/2008	60.19	-	-	3695.68	
					3/3/2008	60.18	-	-	3695.69	
					12/13/2007	60.32	-	-	3695.55	
					9/18/2007	60.44	-	-	3695.43	
					6/21/2007	60.28	-	-	3695.59	
					3/27/2007	60.28	-	-	3695.59	
					11/14/2006	60.81	-	-	3695.06	
					8/14/2006	60.71	-	-	3695.16	
					6/14/2006	60.71	-	-	3695.16	
					3/23/2006	60.54	-	-	3695.33	
MWB	857051.22	622018.88	3755.94	70.96	12/3/2008	61.93	-	-	3694.01	
					9/15/2008	62.04	-	-	3693.90	
					6/2/2008	61.69	-	-	3694.25	
					3/3/2008	61.66	-	-	3694.28	
					12/13/2007	61.85	-	-	3694.09	
					9/18/2007	61.93	-	-	3694.01	
					6/21/2007	61.84	-	-	3694.10	
					3/27/2007	61.77	-	-	3694.17	
					11/14/2006	62.16	-	-	3693.78	
					8/14/2006	62.34	-	-	3693.60	
					6/15/2006	61.58	-	-	3694.36	
					3/23/2006	62.08	-	-	3693.86	
MWC	857099.75	622104.39	3755.59	75.02	12/3/2008	61.48	-	-	3694.11	
					9/15/2008	61.54	-	-	3694.05	
					6/2/2008	61.22	-	-	3694.37	
					3/3/2008	61.18	-	-	3694.41	
					12/13/2007	61.34	-	-	3694.25	
					9/18/2007	61.48	-	-	3694.11	
					6/21/2007	61.57	-	-	3694.02	
					3/27/2007	61.28	-	-	3694.31	
					11/14/2006	61.70	-	-	3693.89	
					8/14/2006	61.88	-	-	3693.71	
					6/14/2006	61.86	-	-	3693.73	
					3/23/2006	61.69	-	-	3693.90	
MWD	856951.32	622011.72	3755.43	70.02	12/3/2008	61.08	-	-	3694.35	
					9/15/2008	61.10	-	-	3694.33	
					6/2/2008	60.77	-	-	3694.66	
					3/3/2008	60.77	-	-	3694.66	
					12/13/2007	60.91	-	-	3694.52	
					9/18/2007	61.05	-	-	3694.38	
					6/21/2007	60.97	-	-	3694.46	
					3/27/2007	60.85	-	-	3694.58	
					11/14/2006	61.22	-	-	3694.21	
					8/14/2006	61.36	-	-	3694.07	
					6/14/2006	61.32	-	-	3694.11	
					3/23/2006	61.09	-	-	3694.34	

Table 1. Summary of Groundwater Elevations
Hobbs Gas Plant
DCP Midstream

Well ID	Survey Data (feet)				Depth to Water Data (feet)					
	Easting	Northing	Top of Casing Elevation	Well Depth	Sample Date	Depth to Water	Depth to PSH	PSH Thickness	Corrected Groundwater Elevation	Comments
MWE	857056.07	621858.61	3754.36	71.55	12/3/2008	61.13	-	-	3693.23	
					9/15/2008	61.21	-	-	3693.15	
					6/2/2008	60.78	-	-	3693.58	
					3/3/2008	60.75	-	-	3693.61	
					12/13/2007	60.91	-	-	3693.45	
					9/18/2007	61.09	-	-	3693.27	
					6/21/2007	61.09	-	-	3693.27	
					3/27/2007	60.86	-	-	3693.50	
					11/14/2006	61.27	-	-	3693.09	
					8/14/2006	61.41	-	-	3692.95	
					6/15/2006	61.32	-	-	3693.04	
					3/23/2006	61.09	-	-	3693.27	
MWF	857173.90	622096.40	3756.13	74.65	12/3/2008	62.22	-	-	3693.91	
					9/15/2008	62.44	-	-	3693.69	
					6/2/2008	62.06	-	-	3694.07	
					3/3/2008	62.01	-	-	3694.12	
					12/13/2007	62.19	-	-	3693.94	
					9/18/2007	62.31	-	-	3693.82	
					6/21/2007	62.32	-	-	3693.81	
					3/27/2007	67.05	-	-	3689.08	
					11/14/2006	62.46	-	-	3693.67	
					8/14/2006	62.68	-	-	3693.45	
					6/14/2006	62.72	-	-	3693.41	
					3/23/2006	62.53	-	-	3693.60	

PSH: Phase-Separated Hydrocarbon
-: No data

Table 2. Summary of BTEX Concentrations in Groundwater
Hobbs Gas Plant
DCP Midstream

Well ID	Sample Date	Benzene	Toluene	Ethyl benzene	Xylenes	TPH
		ug/L				mg/L
MWA	12/3/2008	< 0.46	< 0.48	< 0.45	< 1.4	-
	9/15/2008	< 0.46	< 0.48	< 0.45	< 1.4	-
	6/2/2008	< 0.46	< 0.48	< 0.45	< 1.4	-
	3/5/2008	11	< 5.0	3.8	15	-
	12/13/2007	< 1.0	< 5.0	< 1.0	< 3.0	-
	9/18/2007	< 1.0	< 5.0	< 1.0	< 3.0	-
	6/21/2007	< 1.0	< 5.0	< 1.0	< 3.0	-
	3/28/2007	< 1.0	< 5.0	< 1.0	< 3.0	-
	11/14/2006	< 1.0	< 5.0	< 1.0	< 3.0	-
	8/14/2006	< 0.5	< 5.0	< 0.5	< 1.5	-
	6/14/2006	< 1.0	< 5.0	< 1.0	< 3.0	< 0.1
	3/23/2006	< 1.0	< 5.0	< 1.0	< 3.0	< 0.1
DUP	3/23/2006	< 1.0	< 5.0	< 1.0	< 3.0	< 0.1
MWB	12/3/2008	25.6	0.56 J	7.1	29.2	-
	9/15/2008	488	46.0	200	1210	-
DUP	9/15/2008	398	36.6	157	947	-
	6/2/2008	444	86.5	155	716	-
	3/5/2008	550	64	130	730	-
	12/13/2007	420	86	140	630	-
	9/18/2007	410	87	160	1100	-
	6/21/2007	310	81	110	740	-
	3/28/2007	300	120	140	1000	-
	11/14/2006	200	74	82	440	-
	8/14/2006	29	6.2	< 0.5	48	-
	6/15/2006	150	110	40	270	1.7
DUP	6/15/2006	110	50	27	160	0.86
	3/23/2006	200	370	43	750	3.4
MWC	12/3/2008	39.0	< 0.48	10.5	33.3	-
DUP	12/3/2008	50.6	< 0.48	13.6	44.5	
	9/15/2008	130	5.7	47.3	222	-
	6/2/2008	75.4	4.9	26.3	121	-
DUP	6/2/2008	103	8.1	36.9	170	-
	3/5/2008	61	5.3	19	78	-
DUP	3/5/2008	160	< 25	160	140	-
	12/13/2007	13	< 5.0	4.5	22	-
DUP	12/13/2007	17	< 5.0	5.8	25	-
	9/18/2007	43	5.3	14	57	-
DUP	9/18/2007	48	6.9	16	64	-
	6/21/2007	18	7.1	3.5	26	-
	3/28/2007	84	44	19	160	-
	11/14/2006	30	19	11	83	-
	8/14/2006	31	8.7	2.9	58	-
	6/14/2006	80	37	22	180	2.1
	3/23/2006	< 1.0	< 5.0	< 1.0	< 3.0	0.72
MWD	12/3/2008	< 0.46	< 0.48	< 0.45	< 1.4	-
	9/15/2008	< 0.46	< 0.48	< 0.45	< 1.4	-
	6/2/2008	< 0.46	< 0.48	< 0.45	< 1.4	-
	3/5/2008	< 1.0	< 5.0	< 1.0	< 3.0	-
	12/13/2007	< 1.0	< 5.0	< 1.0	< 3.0	-
	9/18/2007	< 1.0	< 5.0	< 1.0	< 3.0	-
	6/21/2007	< 1.0	< 5.0	< 1.0	< 3.0	-
	3/28/2007	< 1.0	< 5.0	< 1.0	< 3.0	-
	11/14/2006	< 1.0	< 5.0	< 1.0	< 3.0	-
	8/14/2006	< 0.5	< 5.0	< 0.5	< 1.5	-
	6/14/2006	< 1.0	< 5.0	< 1.0	< 3.0	< 0.1
	3/23/2006	< 1.0	< 5.0	< 1.0	< 3.0	< 0.1

Table 2. Summary of BTEX Concentrations in Groundwater
Hobbs Gas Plant
DCP Midstream

Well ID	Sample Date	Benzene	Toluene	Ethyl benzene	Xylenes	TPH
		ug/L				mg/L
MWE	12/3/2008	< 0.46	< 0.48	< 0.45	< 1.4	-
	9/15/2008	< 0.46	< 0.48	< 0.45	< 1.4	-
	6/2/2008	< 0.46	< 0.48	< 0.45	< 1.4	-
	3/5/2008	14	< 5.0	3.9	14	-
	12/13/2007	< 1.0	< 5.0	< 1.0	< 3.0	-
	9/18/2007	< 1.0	< 5.0	< 1.0	< 3.0	-
	6/21/2007	< 1.0	< 5.0	< 1.0	< 3.0	-
	3/28/2007	< 1.0	< 5.0	< 1.0	< 3.0	-
DUP	3/28/2007	< 1.0	< 5.0	< 1.0	< 3.0	-
	11/14/2006	< 1.0	< 5.0	< 1.0	< 3.0	-
	8/14/2006	< 0.5	< 5.0	< 0.5	< 1.5	-
	6/15/2006	< 1.0	< 5.0	< 1.0	< 3.0	< 0.1
	3/23/2006	< 1.0	< 5.0	< 1.0	< 3.0	< 0.1
MWF	12/3/2008	< 0.46	< 0.48	< 0.45	< 1.4	-
	9/15/2008	< 0.46	< 0.48	< 0.45	< 1.4	-
	6/2/2008	< 0.46	< 0.48	< 0.45	< 1.4	-
	3/5/2008	1.9	< 5.0	< 1.0	3.8	-
	12/13/2007	< 1.0	< 5.0	< 1.0	< 3.0	-
	9/18/2007	< 1.0	< 5.0	< 1.0	< 3.0	-
	6/21/2007	< 1.0	< 5.0	< 1.0	< 3.0	-
DUP	6/21/2007	< 1.0	< 5.0	< 1.0	< 3.0	-
	3/27/2007	< 1.0	< 5.0	< 1.0	< 3.0	-
	11/14/2006	< 1.0	< 5.0	< 1.0	< 3.0	-
DUP	11/14/2006	< 1.0	< 5.0	< 1.0	< 3.0	-
	8/14/2006	< 0.5	< 5.0	< 0.5	< 1.5	-
DUP	8/14/2006	< 0.5	< 5.0	< 0.5	< 1.5	-
	6/14/2006	< 1.0	< 5.0	< 1.0	< 3.0	< 0.1
	3/23/2006	< 1.0	< 5.0	< 1.0	< 3.0	< 0.1
Water Supply Well	8/14/2006	< 0.5	< 5.0	< 0.5	< 1.5	-

Notes:
MW: Monitoring well
TPH: Total Petroleum Hydrocarbons
ug/L: Micrograms per liter
mg/L: Milligrams per liter
-: Not analyzed.
DUP: Duplicate Sample
J: Indicates an estimated value

Table 3. Summary of Field Parameters in Groundwater
Hobbs Gas Plant
DCP Midstream

Well ID	Sample Date	pH	Conductivity	Temperature	Dissolved Oxygen	ORP
		(s.u.)	(mS/cm)	(°C)	(g/L)	(mV)
MWA	12/3/2008	7.37	0.505	18.20	7.17	183.9
	9/15/2008	6.81	0.533	19.27	4.96	238.7
	6/2/2008	7.31	0.573	20.57	5.49	31.1
	3/5/2008	7.20	0.431	17.46	11.42	21.3
	12/13/2007	7.23	0.614	18.37	7.01	-8.6
	9/18/2007	7.13	0.495	19.89	4.79	5.9
	6/21/2007	7.30	0.565	19.46	5.45	28.7
	3/28/2007	7.71	0.594	18.93	10.04	223.7
	11/14/2006	7.10	0.433	18.92	7.60	44.4
	8/14/2006	5.70	0.578	22.42	5.70	68.7
	6/14/2006	7.38	0.532	20.10	8.67	-
	3/23/2006	7.37	0.373	17.00	6.19	-
MWB	12/3/2008	6.93	0.889	18.39	1.57	-161.4
	9/15/2008	6.60	0.902	19.63	0.56	-151.6
	6/2/2008	7.08	0.868	19.99	1.09	-150.1
	3/5/2008	6.67	0.836	16.99	2.49	-214.1
	12/13/2007	6.85	0.980	18.18	7.39	-
	9/18/2007	6.74	0.822	20.02	1.18	-140.1
	6/21/2007	6.92	0.863	19.12	3.72	-127.9
	3/28/2007	6.84	1.009	19.39	4.34	-150.6
	11/14/2006	6.69	0.609	18.95	7.83	-198.5
	8/14/2006	6.63	0.753	19.85	1.41	-140.6
	6/15/2006	7.02	0.809	19.20	3.68	-
	3/23/2006	6.96	0.440	19.10	1.71	-
MWC	12/3/2008	6.88	0.621	18.24	2.31	-17.8
	9/15/2008	6.51	0.679	18.99	1.97	160.3
	6/2/2008	6.90	0.781	20.00	2.64	-121.2
	3/5/2008	6.91	0.535	17.46	6.5	-104.1
	12/13/2007	7.00	0.844	17.97	10.86	-106.1
	9/18/2007	6.88	0.625	19.17	3.8	-103.6
	6/21/2007	7.02	0.659	18.88	4.36	-90.5
	3/27/2007	6.98	0.692	18.55	4.79	-95.4
	11/14/2006	6.71	0.483	18.49	4.31	-138.6
	8/14/2006	6.71	0.644	22.01	2.08	-147.4
	6/14/2006	7.03	0.618	20.10	4.17	-
	3/23/2006	7.12	0.350	19.20	4.21	-

Table 3. Summary of Field Parameters in Groundwater
Hobbs Gas Plant
DCP Midstream

Well ID	Sample Date	pH	Conductivity	Temperature	Dissolved Oxygen	ORP
		(s.u.)	(mS/cm)	(°C)	(g/L)	(mV)
MWD	12/3/2008	7.09	0.587	17.95	5.46	175.5
	9/15/2008	6.64	0.646	19.42	3.65	233.1
	6/2/2008	7.13	0.668	19.99	5.39	29.2
	3/5/2008	6.85	0.507	17.23	9.66	22.5
	12/13/2007	7.00	0.714	18.30	10.41	5.4
	9/18/2007	6.79	0.645	19.48	4.46	65.6
	6/21/2007	6.99	0.681	19.26	6.24	54.9
	3/28/2007	6.90	0.777	19.16	9.8	715.4
	11/14/2006	6.73	0.464	19.04	6.53	79.2
	8/14/2006	7.08	0.602	20.02	7.38	109.6
	6/14/2006	6.08	0.722	20.10	5.36	-
	3/23/2006	6.86	0.426	18.50	3.88	-
MWE	12/3/2008	7.03	0.592	18.58	5.25	186.2
	9/15/2008	6.74	0.601	19.27	4.02	228.3
	6/2/2008	7.07	0.633	19.91	3.72	9.4
	3/5/2008	6.89	0.487	17.29	8.99	38.4
	12/13/2007	7.02	0.778	18.02	7.28	3.5
	9/18/2007	6.92	0.585	21.95	3.28	7.6
	6/21/2007	6.90	0.640	19.14	3.94	20.3
	3/28/2007	7.07	0.667	18.96	6.44	46.9
	11/14/2006	6.83	0.413	18.99	6.69	54.1
	8/14/2006	6.75	0.541	20.34	7.24	101.4
	6/15/2006	7.13	0.543	19.42	6.43	-
	3/23/2006	7.21	0.347	19.70	5.04	-

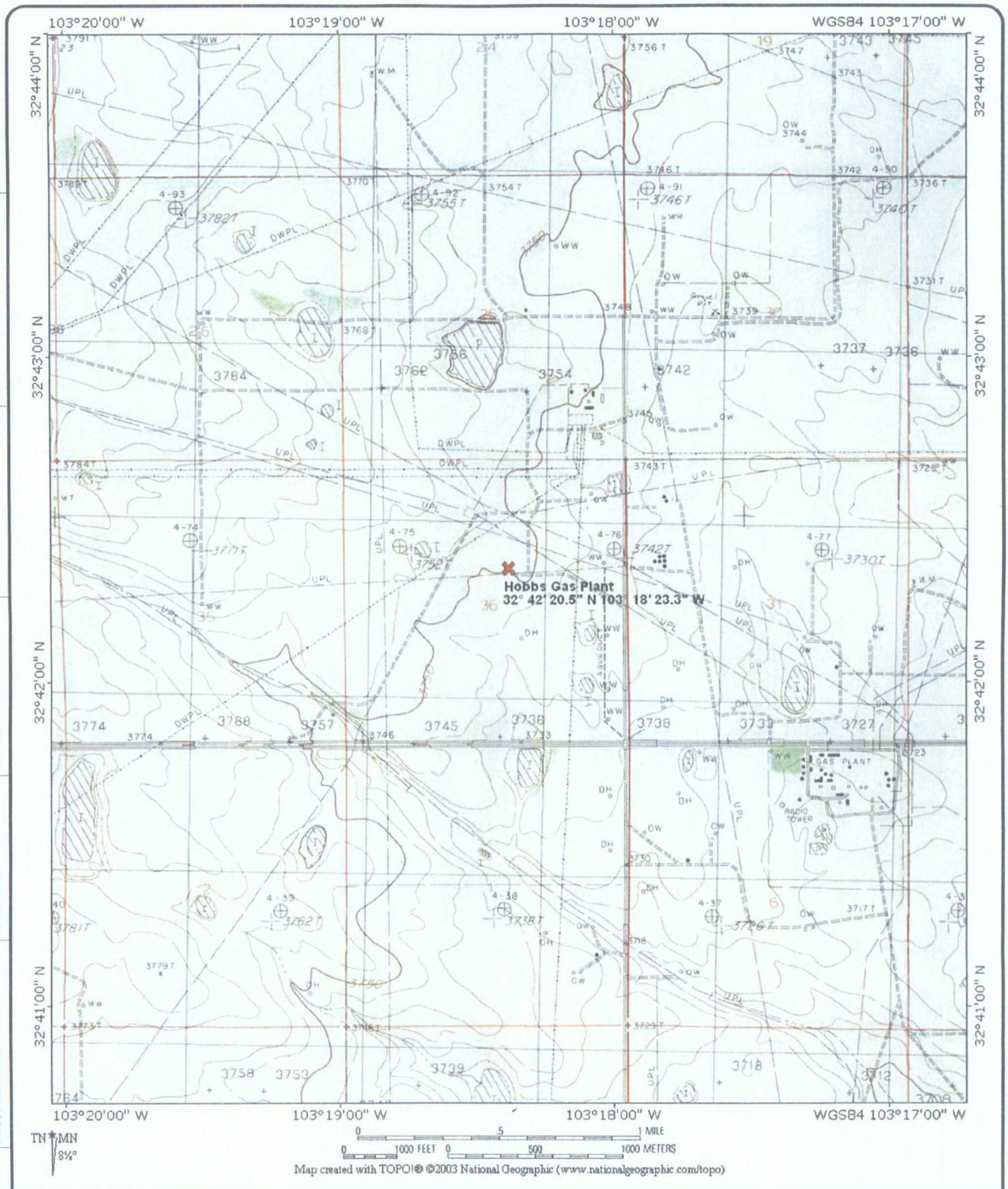
Table 3. Summary of Field Parameters in Groundwater
Hobbs Gas Plant
DCP Midstream

Well ID	Sample Date	pH	Conductivity	Temperature	Dissolved Oxygen	ORP
		(s.u.)	(mS/cm)	(°C)	(g/L)	(mV)
MWF	12/3/2008	6.76	0.917	17.79	3.79	188.4
	9/15/2008	6.43	0.876	19.17	2.52	234.3
	6/2/2008	6.76	0.879	19.00	3.08	21.4
	3/5/2008	6.76	0.657	17.01	9.71	3.6
	12/13/2007	6.71	1.062	17.90	9.52	-5.7
	9/18/2007	6.63	0.734	18.95	3.61	207.9
	6/21/2007	6.85	0.849	18.56	4.64	84.7
	3/27/2007	6.84	0.833	18.44	4.61	177.0
	11/14/2006	6.52	0.544	18.16	4.50	178.2
	8/14/2006	6.65	0.846	19.95	2.45	123.7
	6/14/2006	6.81	0.855	21.70	5.52	-
	3/23/2006	6.82	0.517	19.40	2.12	-
SupplyWell	8/14/2006	7.47	0.473	20.91	4.61	31.7

Notes:
ORP: Oxidation reduction potential
s.u.: Standard unit
uS/cm: microSiemens per centimeter
°C: Degree Celsius
g/L: Grams per liter
mV: Millivolts

ARCADIS

Figures



DRAFTER: PMW | APPROVED: GN | CHECKED: TE | DRAWING: COSLM-0047 | HARD FILE: | PRJCT NO.: CO0001041.0003 | DWG DATE: 14/7/07

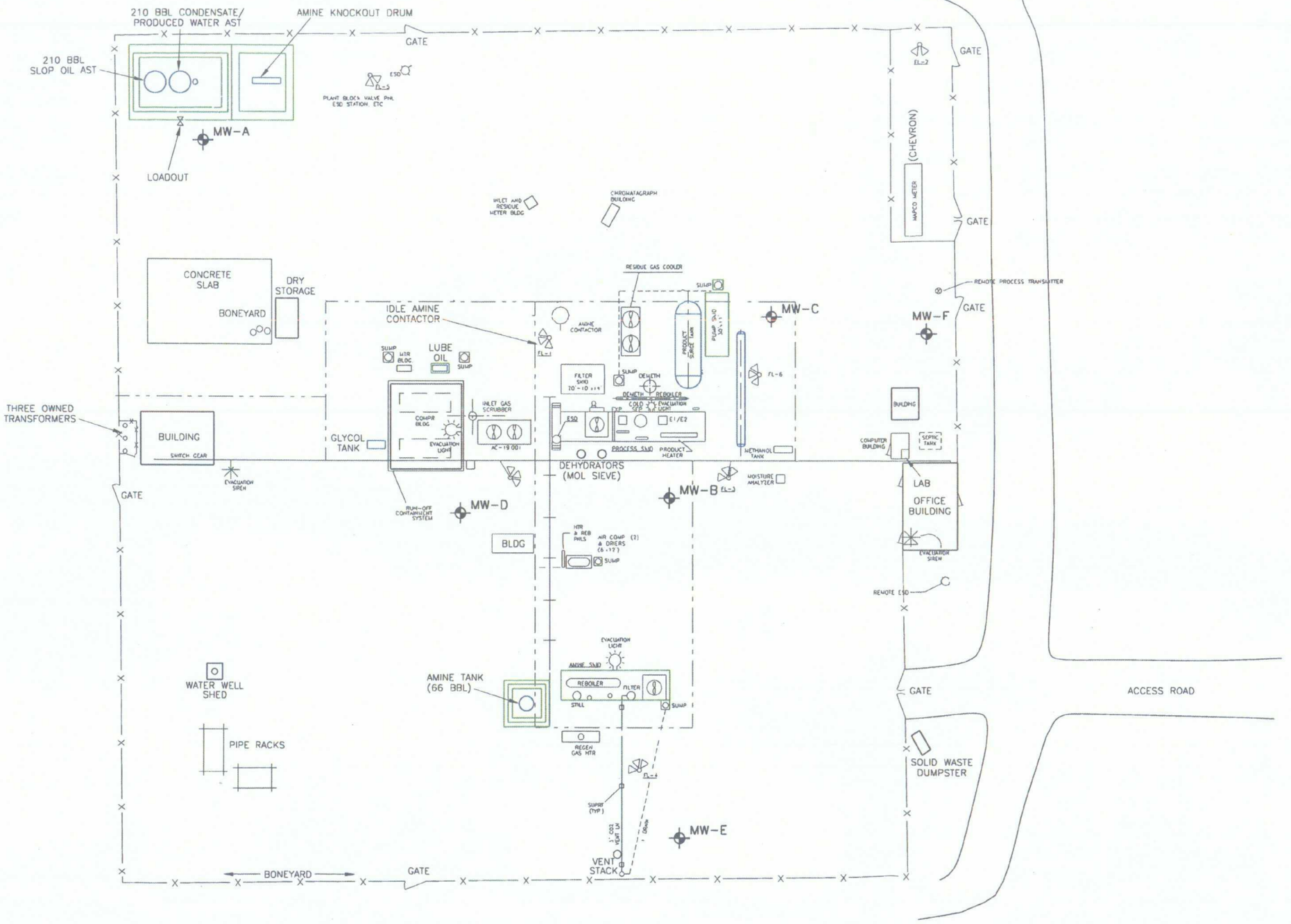
ARCADIS

dcp Midstream

Site Location Map

HOBBS GAS PLANT
Lea County, New Mexico

FIGURE
1



LEGEND:

- FENCE
- SECONDARY CONTAINMENT STRUCTURE
- ABOVEGROUND STORAGE TANK (AST) OR DRUM
- GROUNDWATER MONITORING WELL

N
W E
S

0 60
Approximate Scale in Feet

DRAFTER: PMW | APPROVED: GN | CHECKED: PS | DRAWING: COBAS-0965 | PRJCT NO.: C0001041.0003 | DWG DATE: 4/7/07

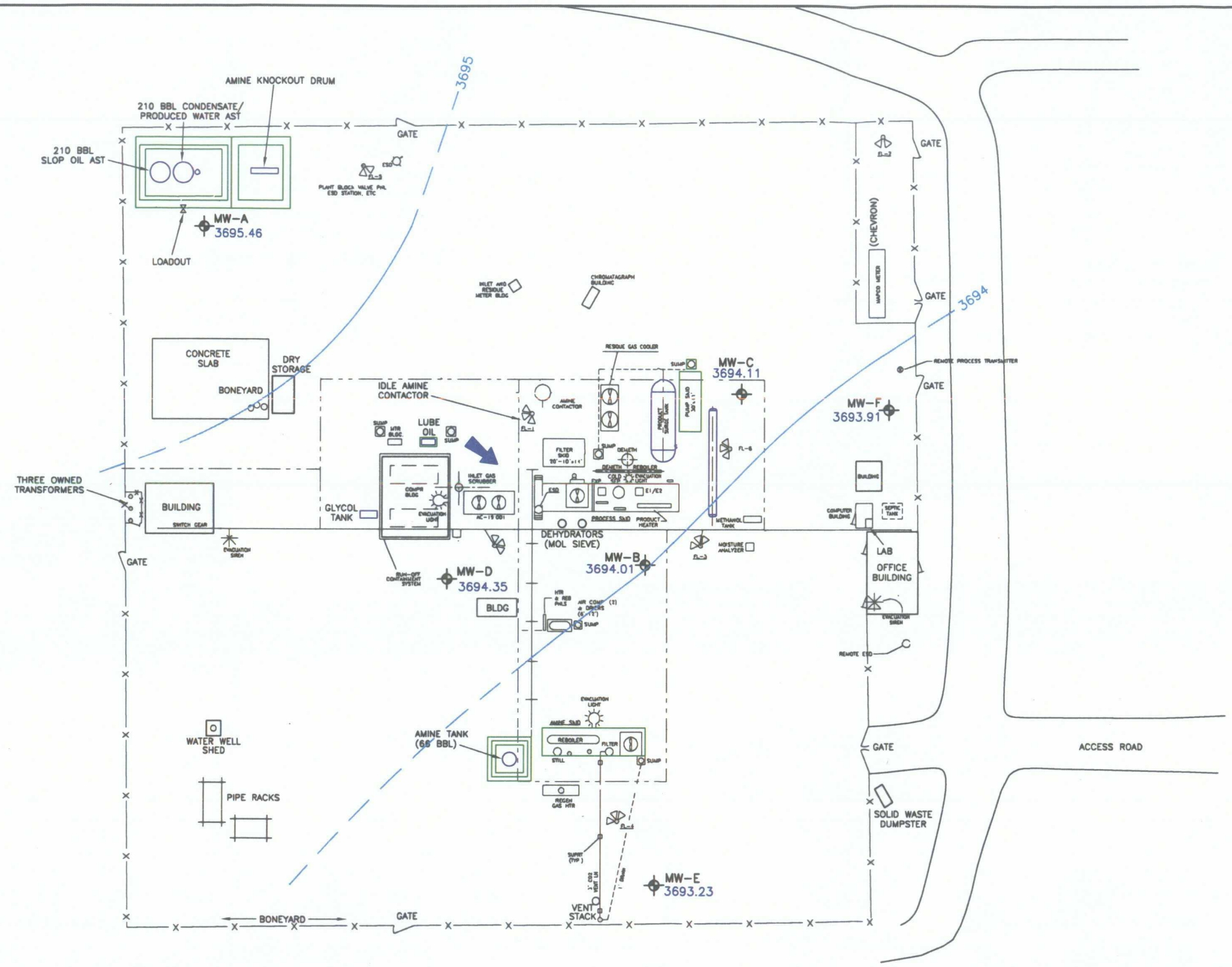
ARCADIS

dcp Midstream

Site Map

HOBBS GAS PLANT
Lea County, New Mexico

FIGURE
2



LEGEND:

- FENCE
- SECONDARY CONTAINMENT STRUCTURE
- ABOVEGROUND STORAGE TANK (AST) OR DRUM
- GROUNDWATER MONITORING WELL
- 3693.91 GROUNDWATER ELEVATION, FEET
- GROUNDWATER CONTOUR, FEET
- GROUNDWATER FLOW DIRECTION

N W E S

0 60

Approximate Scale in Feet

DRAFTER: MTH | APPROVED: GN | CHECKED: MB | DRAWING: COWLE-0461 | DWG DATE: 01/06/09 PRJCT NO.: C0001312.0001

ARCADIS

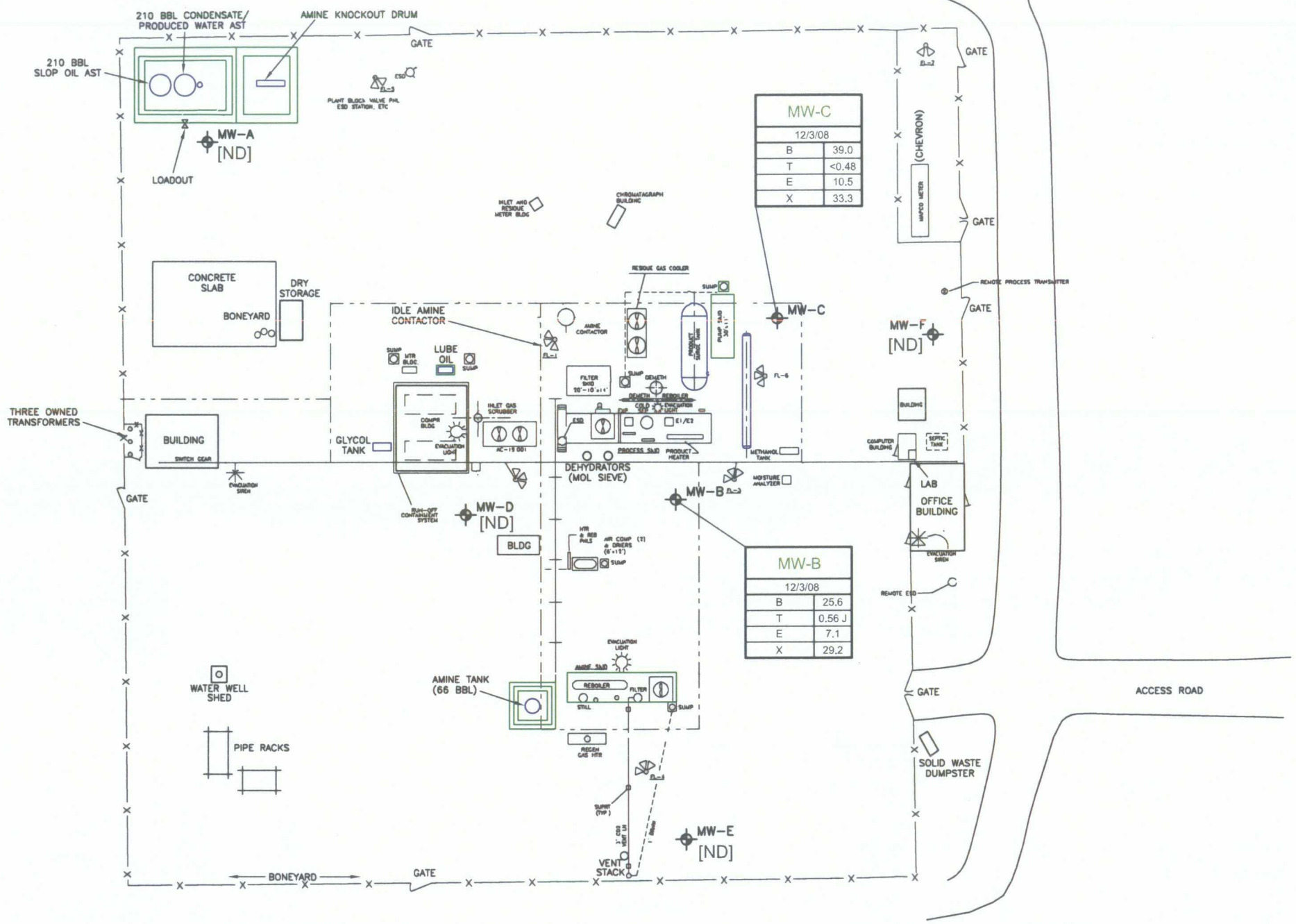
dcp Midstream

Groundwater Potentiometric Surface Map
December 2, 2008

HOBBS GAS PLANT
Lea County, New Mexico

FIGURE
3

DRAFTER: MTH | APPROVED: GN | CHECKED: MB | DRAWING: COWOF-0808 | PRJCT NO.: C0001312.0001 | DWG DATE: 01/06/09



LEGEND:

- FENCE
- SECONDARY CONTAINMENT STRUCTURE
- ABOVEGROUND STORAGE TANK (AST) OR DRUM
- GROUNDWATER MONITORING WELL
- [ND] NOT DETECTED FOR ALL CONSTITUENTS OF CONCERN AT THE LABORATORY DETECTION LIMITS

MW-B	
12/3/08	
B	25.6
T	0.56 J
E	7.1
X	29.2

- MW-B — SAMPLE NAME
- 12/3/08 — SAMPLE DATE
- B 25.6 — BENZENE, ug/L
- T 0.56 J — TOLUENE, ug/L
- E 7.1 — ETHYLBENZENE, ug/L
- X 29.2 — XYLENES, ug/L

ug/L – MICROGRAMS PER LITER

J – ESTIMATED VALUE

N W E S

0 60

Approximate Scale in Feet

ARCADIS

dcp Midstream

Groundwater Sample Results December 2008

HOBBS GAS PLANT

Lea County, New Mexico

FIGURE

4

Appendix A

Laboratory Analytical Report

Gulf Coast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/17/08

Technical Report for

Arcadis U.S., Inc.

DCP Midtream - Hobbs GP

Accutest Job Number: T24884

Sampling Date: 12/03/08

Report to:

Arcadis U.S., Inc.

matt.bauer@arcadis-us.com

ATTN: Matthew Bauer

Total number of pages in report: **16**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Paul K Canevaro

Paul Canevaro
Laboratory Director

Client Service contact: William Reeves 713-271-4700

Certifications: TX (T104704220-06-TX) AR (88-0756) FL (E87628) KS (E-10366) LA (85695/04004) OK (9103) UT(7132714700)

Test results relate only to samples analyzed.

Table of Contents

Sections: 1 2 3

-1-

Sample Summary

Arcadis U.S., Inc.

DCP Midtream - Hobbs GP

Job No: T24884

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
T24884-1	12/03/08	08:55	DJ	12/05/08	AQ	Ground Water	MWA
T24884-2	12/03/08	10:05	DJ	12/05/08	AQ	Ground Water	MWB
T24884-3	12/03/08	09:45	DJ	12/05/08	AQ	Ground Water	MWC
T24884-4	12/03/08	08:12	DJ	12/05/08	AQ	Ground Water	MWD
T24884-5	12/03/08	09:19	DJ	12/05/08	AQ	Ground Water	MWE
T24884-6	12/03/08	08:35	DJ	12/05/08	AQ	Ground Water	MWF
T24884-7	12/03/08	00:00	DJ	12/05/08	AQ	Ground Water	DUP1
T24884-8	12/03/08	00:00	DJ	12/05/08	AQ	Trip Blank Water	TRIP BLANK

Sample Results

Report of Analysis

Accutest LabLink@34630 14:17 17-Dec-2008

Report of Analysis

Client Sample ID:	MWA		
Lab Sample ID:	T24884-1	**Date Sampled:**	12/03/08
Matrix:	AQ - Ground Water	**Date Received:**	12/05/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	DCP Midtream - Hobbs GP		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F012689.D	1	12/10/08	JL	n/a	n/a	VF3225
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	MQL	SDL	Units	Q
71-43-2	Benzene	0.00046 U	0.0020	0.00046	mg/l	
108-88-3	Toluene	0.00048 U	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	0.00045 U	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	0.0014 U	0.0060	0.0014	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		79-122%
17060-07-0	1,2-Dichloroethane-D4	86%		75-121%
2037-26-5	Toluene-D8	114%		87-119%
460-00-4	4-Bromofluorobenzene	104%		80-133%

U = Not detected SDL - Sample Detection Limit
MQL = Method Quantitation Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

2.2

Report of Analysis

Client Sample ID:	MWB		
Lab Sample ID:	T24884-2	**Date Sampled:**	12/03/08
Matrix:	AQ - Ground Water	**Date Received:**	12/05/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	DCP Midtream - Hobbs GP		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F012690.D	1	12/10/08	JL	n/a	n/a	VF3225
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	MQL	SDL	Units	Q
71-43-2	Benzene	0.0256	0.0020	0.00046	mg/l	
108-88-3	Toluene	0.00056	0.0020	0.00048	mg/l	J
100-41-4	Ethylbenzene	0.0071	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	0.0292	0.0060	0.0014	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		79-122%
17060-07-0	1,2-Dichloroethane-D4	88%		75-121%
2037-26-5	Toluene-D8	114%		87-119%
460-00-4	4-Bromofluorobenzene	106%		80-133%

U = Not detected SDL - Sample Detection Limit
MQL = Method Quantitation Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MWC		
Lab Sample ID:	T24884-3	**Date Sampled:**	12/03/08
Matrix:	AQ - Ground Water	**Date Received:**	12/05/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	DCP Midtream - Hobbs GP		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F012691.D	1	12/10/08	JL	n/a	n/a	VF3225
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	MQL	SDL	Units	Q
71-43-2	Benzene	0.0390	0.0020	0.00046	mg/l	
108-88-3	Toluene	0.00048 U	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	0.0105	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	0.0333	0.0060	0.0014	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		79-122%
17060-07-0	1,2-Dichloroethane-D4	88%		75-121%
2037-26-5	Toluene-D8	115%		87-119%
460-00-4	4-Bromofluorobenzene	106%		80-133%

U = Not detected SDL - Sample Detection Limit
MQL = Method Quantitation Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MWD		
Lab Sample ID:	T24884-4	**Date Sampled:**	12/03/08
Matrix:	AQ - Ground Water	**Date Received:**	12/05/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	DCP Midtream - Hobbs GP		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F012692.D	1	12/10/08	JL	n/a	n/a	VF3225
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	MQL	SDL	Units	Q
71-43-2	Benzene	0.00046 U	0.0020	0.00046	mg/l	
108-88-3	Toluene	0.00048 U	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	0.00045 U	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	0.0014 U	0.0060	0.0014	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		79-122%
17060-07-0	1,2-Dichloroethane-D4	88%		75-121%
2037-26-5	Toluene-D8	114%		87-119%
460-00-4	4-Bromofluorobenzene	105%		80-133%

U = Not detected SDL - Sample Detection Limit
MQL = Method Quantitation Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MWE		
Lab Sample ID:	T24884-5	**Date Sampled:**	12/03/08
Matrix:	AQ - Ground Water	**Date Received:**	12/05/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	DCP Midtream - Hobbs GP		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F012693.D	1	12/10/08	JL	n/a	n/a	VF3225
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	MQL	SDL	Units	Q
71-43-2	Benzene	0.00046 U	0.0020	0.00046	mg/l	
108-88-3	Toluene	0.00048 U	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	0.00045 U	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	0.0014 U	0.0060	0.0014	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		79-122%
17060-07-0	1,2-Dichloroethane-D4	89%		75-121%
2037-26-5	Toluene-D8	116%		87-119%
460-00-4	4-Bromofluorobenzene	107%		80-133%

U = Not detected SDL - Sample Detection Limit
MQL = Method Quantitation Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MWF		
Lab Sample ID:	T24884-6	**Date Sampled:**	12/03/08
Matrix:	AQ - Ground Water	**Date Received:**	12/05/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	DCP Midtream - Hobbs GP		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F012694.D	1	12/10/08	JL	n/a	n/a	VF3225
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	MQL	SDL	Units	Q
71-43-2	Benzene	0.00046 U	0.0020	0.00046	mg/l	
108-88-3	Toluene	0.00048 U	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	0.00045 U	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	0.0014 U	0.0060	0.0014	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		79-122%
17060-07-0	1,2-Dichloroethane-D4	89%		75-121%
2037-26-5	Toluene-D8	115%		87-119%
460-00-4	4-Bromofluorobenzene	106%		80-133%

U = Not detected SDL - Sample Detection Limit
MQL = Method Quantitation Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@34630 14:17 17-Dec-2008

Report of Analysis

Client Sample ID:	DUP1		
Lab Sample ID:	T24884-7	**Date Sampled:**	12/03/08
Matrix:	AQ - Ground Water	**Date Received:**	12/05/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	DCP Midtream - Hobbs GP		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F012695.D	1	12/10/08	JL	n/a	n/a	VF3225
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	MQL	SDL	Units	Q
71-43-2	Benzene	0.0506	0.0020	0.00046	mg/l	
108-88-3	Toluene	0.00048 U	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	0.0136	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	0.0445	0.0060	0.0014	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		79-122%
17060-07-0	1,2-Dichloroethane-D4	88%		75-121%
2037-26-5	Toluene-D8	114%		87-119%
460-00-4	4-Bromofluorobenzene	105%		80-133%

U = Not detected SDL - Sample Detection Limit
MQL = Method Quantitation Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

2.8
2

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	T24884-8	**Date Sampled:**	12/03/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/05/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	DCP Midtream - Hobbs GP		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F012696.D	1	12/10/08	JL	n/a	n/a	VF3225
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	MQL	SDL	Units	Q
71-43-2	Benzene	0.00046 U	0.0020	0.00046	mg/l	
108-88-3	Toluene	0.00048 U	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	0.00045 U	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	0.0014 U	0.0060	0.0014	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		79-122%
17060-07-0	1,2-Dichloroethane-D4	88%		75-121%
2037-26-5	Toluene-D8	115%		87-119%
460-00-4	4-Bromofluorobenzene	104%		80-133%

U = Not detected SDL - Sample Detection Limit
MQL = Method Quantitation Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories

10165 Harwin, Suite 150 - Houston, TX 77036 - 713-271-4700 fax: 713-271-4770

Page 1 of 1

FEDEX Tracking # 8663 2309 7041 | Bottle Order Control #

Accutest Quote # | Accutest Job # T24884

Client / Reporting Information

Company Name: Arcadis

Project Contact: Matt Bauer | E-Mail: matt.bauer@arcadis-us.com

Address: 1687 Cole Blvd, Suite 200

City: Lakewood | State: CO | Zip: 80401

Phone No.: 303-231-9115 | Fax No.:

Samplers's Name: DJ RUDER DJ Rud - ARCADIS

Project Information

Project Name / No.: Hobbs (CO001312)

Bill to: | Invoice Attn.:

Address:

City: | State: | Zip:

Phone No.: | Fax No.:

Client Purchase Order #:

Requested Analyses

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Matrix	# of bottles	Number of preserved bottles: HCl	MeOH	DI Water	H2SO4	NaOH	HNO3	NONE	8260BTEX	LAB USE ONLY
1	MWA	12/3/08	8:55	GW	3	3							X	
2	MWB	12/3/08	10:05	GW	3	3							X	
3	MWC	12/3/08	9:45	GW	3	3							X	
4	MWD	12/3/08	8:12	GW	3	3							X	
5	MWE	12/3/08	9:19	GW	3	3							X	
6	MWF	12/3/08	8:35	GW	3	3							X	
7	DUP1	12/3/08	—	GW	3	3							X	
8	Trip Blank	—	—	DI	3	3							X	

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Wastewater
SO - Soil
SL - Sludge
OI - Oil
LIQ - Liquid
SOL - Other Solid

Turnaround Time (Business days)

- [ ] 10 Day *STANDARD*
- [X] 7 Day
- [ ] 4 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*
- [ ] Other

Approved By:/ Date:

Real time analytical data available via Leblink

Data Deliverable Information

- [ ] Commercial "A"
- [X] TRRP-13
- [ ] Commercial "B"
- [ ] EDD Format
- [ ] Reduced Tier 1
- [ ] Other
- [ ] Full Data Package

Commercial "A" = Results Only

Commercial "B" = Results & Standard QC

Comments / Remarks

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	DJ Rud - ARCADIS	12/4/08 17:00	1	2		2
3	Relinquished by:	Date Time: 12/5/08 10:02	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable ☐	On Ice ☐ Cooler Temp. 2.0 °C

#110

3.1

T24884: Chain of Custody
Page 1 of 3

SAMPLE INSPECTION FORM

Accutest Job Number: T24884 Client: Arcadis Project: Hobbs (C00001312)

Date/Time Received: 12-5-18 10:00 # of Coolers Received: 1 Thermometer #: 110

Cooler Temps: #1: 110 #2: _____ #3: _____ #4: _____ #5: _____ #6: _____ #7: _____ #8: _____

Method of Delivery: FEDEX UPS Accutest Courier Greyhound Delivery Other

Airbill Numbers: _____

COOLER INFORMATION

- [ ] Custody seal missing or not intact
- [ ] Temperature criteria not met
- [ ] Wet ice received in cooler

CHAIN OF CUSTODY

- [ ] Chain of Custody not received
- [ ] Sample D/T unclear or missing
- [ ] Analyses unclear or missing
- [ ] COC not properly executed

SAMPLE INFORMATION

- [ ] Sample containers received broken
- [ ] VOC vials have headspace
- [ ] Sample labels missing or illegible
- [ ] ID on COC does not match label(s)
- [ ] D/T on COC does not match label(s)
- [ ] Sample/Bottles rcvd but no analysis on COC
- [ ] Sample listed on COC, but not received
- [ ] Bottles missing for requested analysis
- [ ] Insufficient volume for analysis
- [ ] Sample received improperly preserved

TRIP BLANK INFORMATION

- [ ] Trip Blank on COC but not received
- [ ] Trip Blank received but not on COC
- [ ] Trip Blank not intact
- [ ] Received Water Trip Blank
- [ ] Received Soil TB

Number of Encores? _____
Number of 5035 kits? _____
Number of lab-filtered metals? _____

Summary of Discrepancies:

TECHNICIAN SIGNATURE/DATE: _____ 12-5-18

INFORMATION AND SAMPLE LABELING VERIFIED BY: _____

CORRECTIVE ACTIONS

Client Representative Notified: _____ **Date:** _____

By Accutest Representative: _____ **Via:** Phone Email

Client Instructions:

3.1

3.1

3

SAMPLE RECEIPT LOG

JOB #: T24884　　DATE/TIME RECEIVED: 12-5-8 10:00

CLIENT: Arcadis　　INITIALS: EHC

COOLER#	SAMPLE ID	FIELD ID	DATE	MATRIX	VOL	BOTTLE #	LOCATION	PRESERV	PH	
1	1	MW A	12-3-8	W	40ml	1-3	VR	1 (2) 3 4 5 6 7 8	<2	>12
	2	B						1 (2) 3 4 5 6 7 8	<2	>12
	3	C						1 (2) 3 4 5 6 7 8	<2	>12
	4	D						1 (2) 3 4 5 6 7 8	<2	>12
	5	E						1 (2) 3 4 5 6 7 8	<2	>12
	6	F						1 (2) 3 4 5 6 7 8	<2	>12
	7	Dup-1						1 (2) 3 4 5 6 7 8	<2	>12
	8	Trip Blank	—	D		1-2		1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
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								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12
								1 2 3 4 5 6 7 8	<2	>12

EHC 12-5-8

PRESERVATIVES: 1: None 2: HCL 3: HNO3 4: H2SO4 5: NAOH 6: DI 7: MeOH 8: Other

LOCATION: 1: Walk-In #1 (Waters) 2: Walk-In #2 (Soils) VR: Volatile Fridge M: Metals SUB: Subcontract EF: Encore Freezer

T24884: Chain of Custody
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