AP-033

REPORT

DATE:
2009

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

May 8, 2009

Mr. Leonard Lowe
Environmental Engineer
New Mexico Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

RE: 1st Quarter 2009 Groundwater Monitoring Results
DCP Hobbs Gas Plant
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 1st Quarter 2009 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

Q1 2009 GROUNDWATER MONITORING REPORT

Hobbs Gas Plant
Lea County, New Mexico

May 2009

ARCADIS
Infrastructure, environment, buildings

Q1 2009 Groundwater Monitoring Report

Hobbs Gas Plant

Adam C. Griffin
Engineer

Ken Lehman
Project Manager

Prepared for
DCP Midstream

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CO001312

Date
5 May 2009

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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 first quarter of 2009 (Q1 2009) 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 February 27, 2009. Monitoring consisted of the measurement of water levels at six groundwater monitoring wells. Groundwater samples were collected at these six wells for analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX) by Environmental Protection Agency (EPA) Method 8260.

2.1 Water Level Gauging

Prior to disturbing the water column, ARCADIS personnel collected water level measurements at each sampling location (Table 1). Depth to water ranged from 60.18 feet below ground surface (bgs) at monitoring well MWA to 61.97 feet bgs at MWF. Groundwater elevation contours constructed using the February 27, 2009 measurements are provided on Figure 3. The groundwater gradient is 0.005 foot per foot, with groundwater flowing in a southeast direction, consistent with previous gauging events.

2.2 Groundwater Quality Monitoring

To ensure the collection of representative groundwater samples, a minimum of three casing volumes was purged from each well prior to sampling. Groundwater samples were collected in laboratory-supplied containers using disposable polyethylene bailers, and packed and shipped in accordance with accepted practices to Accutest Laboratory in Houston, Texas.

Table 2 summarizes the BTEX concentrations in groundwater samples collected at the Site; the laboratory analytical report for the Q1 2009 sampling event is included as Appendix A. The groundwater sample results are also posted on Figure 4, which illustrates the distribution of petroleum hydrocarbon in groundwater. The Q1 2009 analytical results can be summarized as follows:

- Benzene was detected at concentrations above the regulatory standard of 10 micrograms per liter (ug/L) at two monitoring wells. The detected concentrations of benzene ranged from 592 ug/L at MWB to 69.9 ug/L at 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 second quarter 2009 (Q2 2009) sampling will be reported in the Q2 2009 Groundwater Monitoring Report.

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	2/27/2009	60.18	-	-	3695.69	
					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	2/27/2009	61.68	-	-	3694.26	
					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	2/27/2009	61.15	-	-	3694.44	
					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	2/27/2009	60.79	-	-	3694.64	
					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	2/27/2009	60.81	-	-	3693.55	
					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	2/27/2009	61.97	-	-	3694.16	
					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	Ethylbenzene	Xylenes	TPH
		ug/L				mg/L
MWA	2/27/2009	< 0.46	< 0.48	< 0.45	< 1.4	-
	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	2/27/2009	592	86.3	176	1230	-
	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	2/27/2009	69.9	0.78 J	20.1	86.8	-
DUP	2/27/2009	36.6	< 0.48	10	43.3	-
	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	2/27/2009	< 0.46	< 0.48	< 0.45	< 1.4	-
	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	Ethylbenzene	Xylenes	TPH
		ug/L				mg/L
MWE	2/27/2009	< 0.46	< 0.48	< 0.45	< 1.4	-
	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	2/27/2009	< 0.46	< 0.48	< 0.45	< 1.4	-
	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:
TPH = Total petroleum hydrocarbons
ug/L = Micrograms per liter
mg/L = Milligrams per liter
- = Not analyzed.
DUP = Duplicate sample
J = 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)	(mg/L)	(mV)
MWA	2/27/2009	7.29	0.505	19.34	8.15	64.1
	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	2/27/2009	6.87	0.921	18.83	0.96	-115.7
	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	2/27/2009	6.90	0.614	18.56	1.96	-8.7
	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

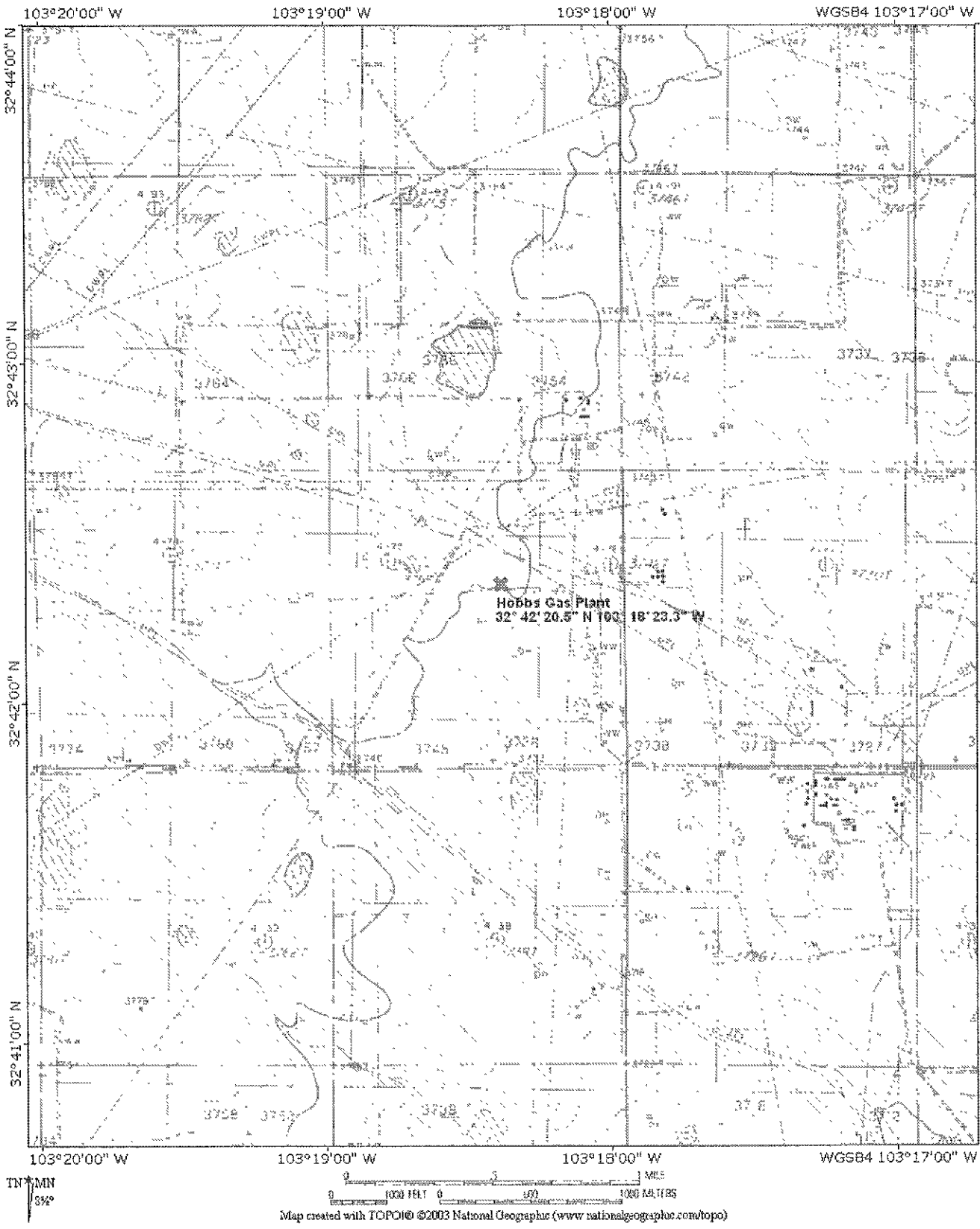
Well ID	Sample Date	pH	Conductivity	Temperature	Dissolved Oxygen	ORP
		(s.u.)	(mS/cm)	(°C)	(mg/L)	(mV)
MWD	2/27/2009	7.01	0.589	19.59	7.22	77.1
	12/3/2008	7.09	0.587	17.95	5.46	175.5
	9/15/2008	6.64	0.646	19.42	3.65	233.1
	6/2/2008	7.13	0.668	19.99	5.39	29.2
	3/5/2008	6.85	0.507	17.23	9.66	22.5
	12/13/2007	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	2/27/2009	7.01	0.590	19.10	6.29	91.2
	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)	(mg/L)	(mV)
MWF	2/27/2009	6.77	0.857	18.61	3.85	93.4
	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
mg/L = Milligrams per liter
mV = Millivolts
- = No data

Figures



DRAFTER: PMW | APPROVED: GN | CHECKED: TE | DRAWING: COSLM-0047 | HARD FILE: | PRJCT NO.: CO001041.0003 | DWG DATE: 14/7/07

ARCADIS

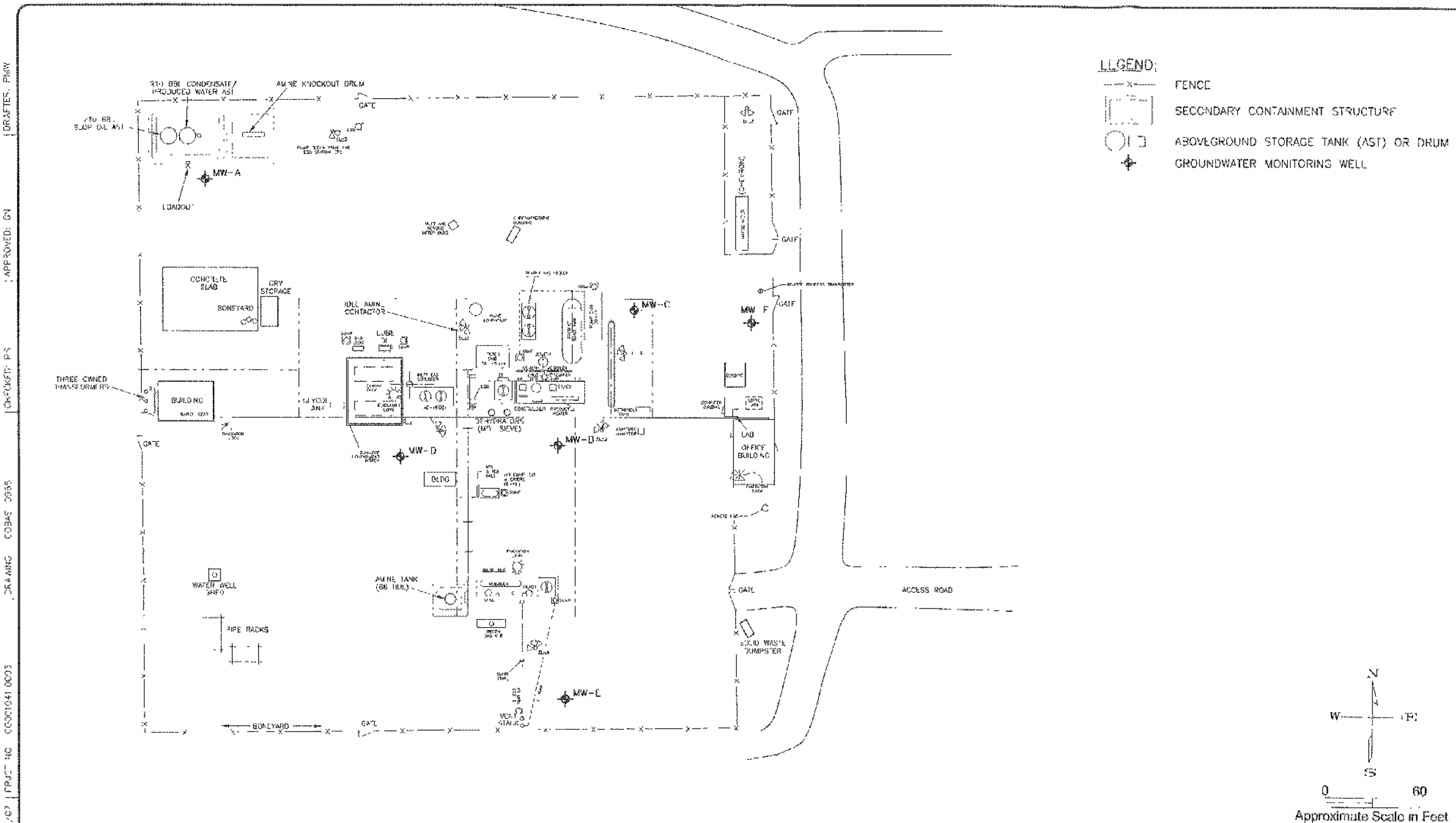
dcp Midstream

Site Location Map

HOBBS GAS PLANT
Lea County, New Mexico

FIGURE

1



ARCADIS

dcp Midstream

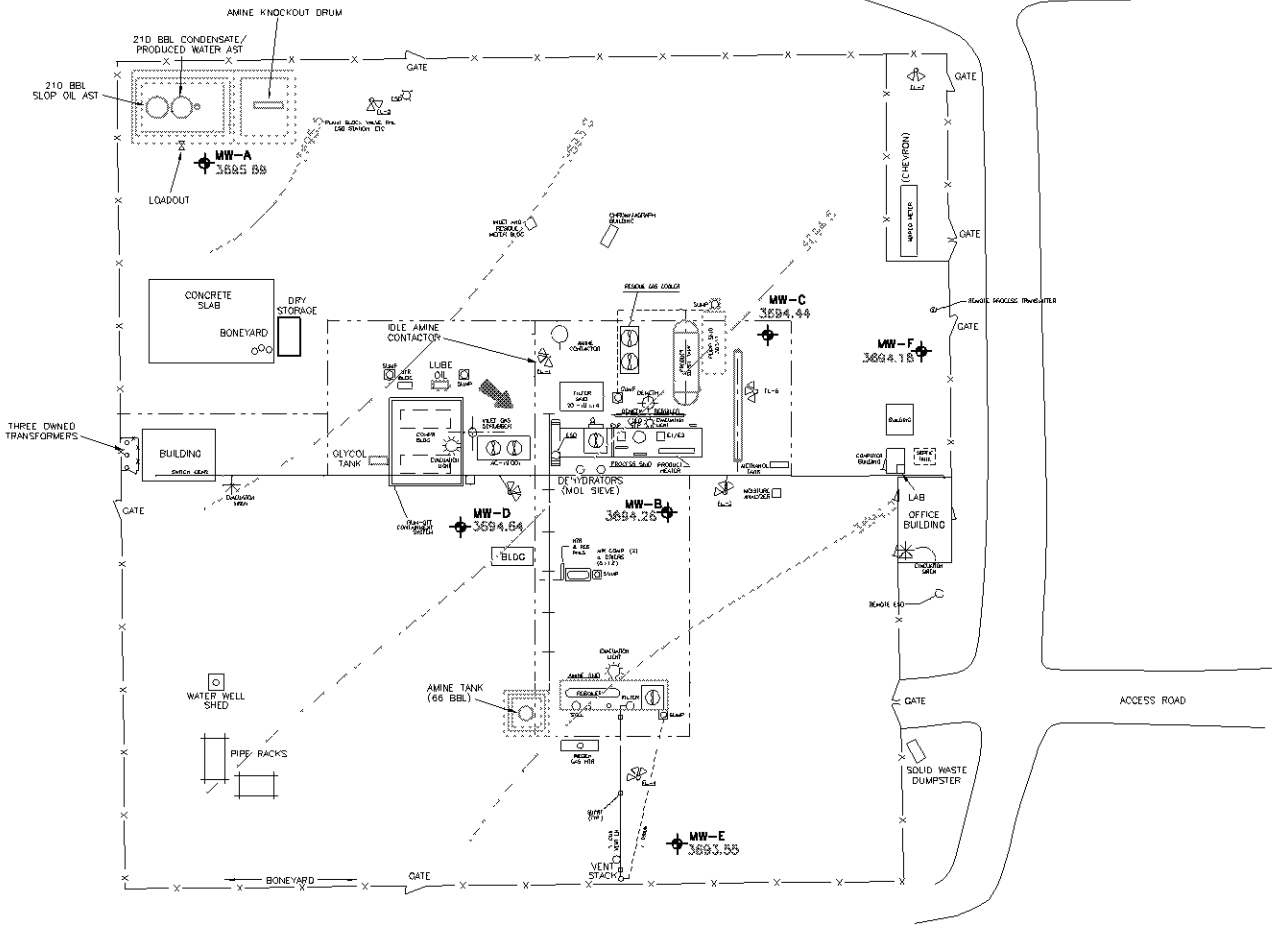
Site Map

HOBBS GAS PLANT
Lea County, New Mexico

FIGURE
2

DWG DATE: 4/7/07 | PROJECT NO. COOC1041.0003 | DRAWING: COBAS 0065 | CHECKED: PS | APPROVED: GN | DRAFTER: PMW

DRAFTER: MTH | APPROVED: KL | CHECKED: MB | DRAWING: COWLE-0485 | PRJCT NO: C0001312 0001 | DWG DATE: 4/1/09



LEGEND:

- FENCE
- SECONDARY CONTAINMENT STRUCTURE
- ABOVEGROUND STORAGE TANK (AST) OR DRUM
- GROUNDWATER MONITORING WELL
- 3694.18 GROUNDWATER ELEVATION, FEET
- GROUNDWATER CONTOUR, FEET
- GROUNDWATER FLOW DIRECTION

N
W E
S

0 60
Approximate Scale In Feet

ARCADIS

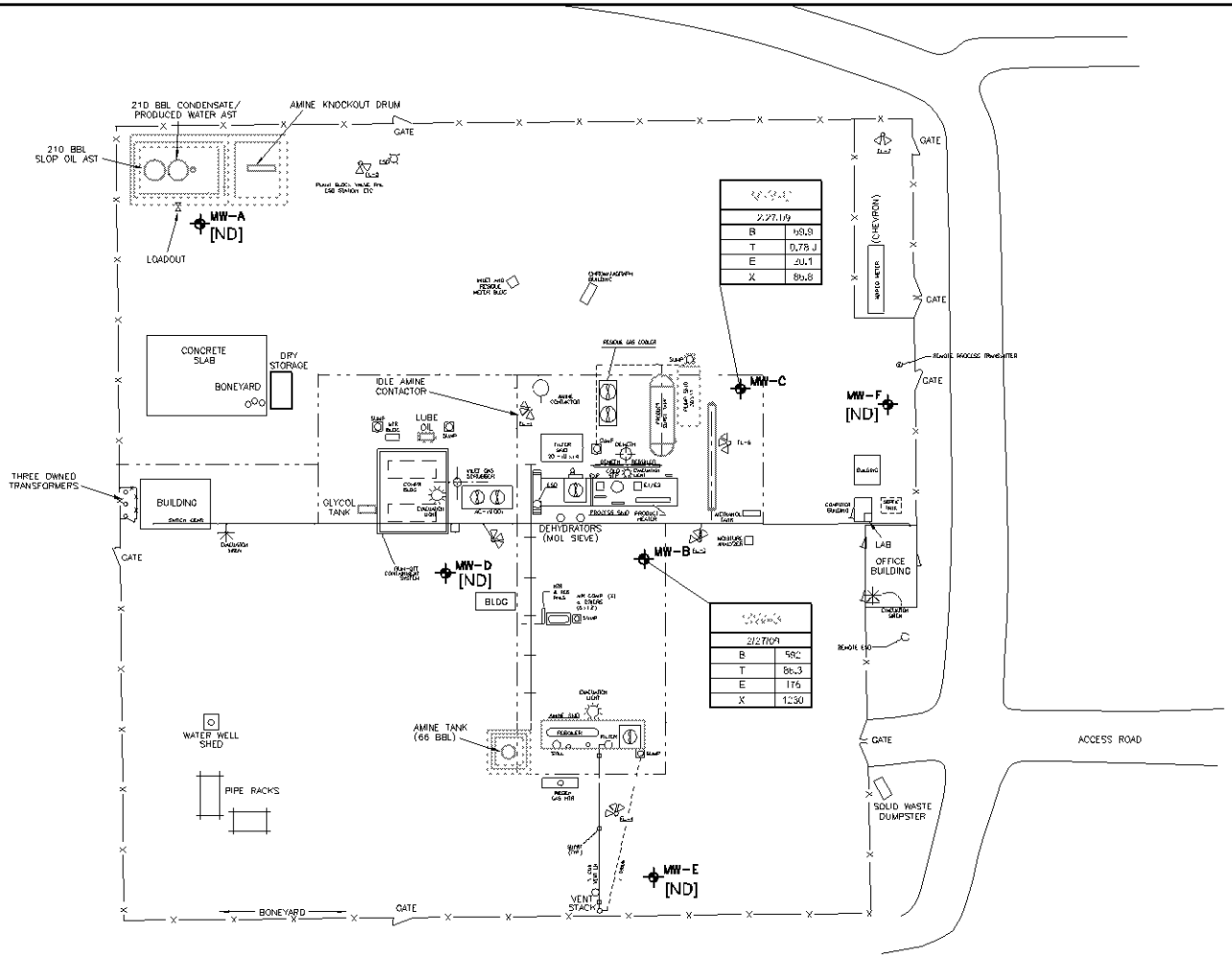
dcp Midstream

Groundwater Potentiometric Surface Map
February 27, 2009

HOBBS GAS PLANT
Lea County, New Mexico

FIGURE
3

DRAFTER: MTH | APPROVED: KL | CHECKED: MB | DRAWING: COWOF-0838 | PRJCT NO: C0001312 0001 | DWG DATE: 4/1/09



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

[sample name]	
2/27/09	SAMPLE DATE
B	582 BENZENE, ug/L
T	86.3 TOLUENE, ug/L
E	175 ETHYLBENZENE, ug/L
X	1230 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
February 27, 2009

HOBBS GAS PLANT
Lea County, New Mexico

FIGURE
4

Appendix A

Laboratory Analytical Report

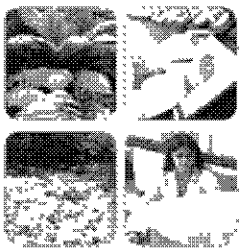
Gulf Coast ACCUTEST

03/09/09

Technical Report for

Arcadis U.S., Inc.

Hobbs GP (CO001312)



Accutest Job Number: T25853

Sampling Date: 02/27/09

Report to:

Arcadis U.S., Inc.
1687 Cole Blvd. Suite 200
Lakewood, CO 80401
Matt.Bauer@arcadis-us.com; SWWeathers@dcpmidstream.com

ATTN: Matt Bauer

Total number of pages in report: **26**

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.

Sections: 1 2 4

Table of Contents

-1-

Sample Summary

Arcadis U.S., Inc.

Hobbs GP (CO001312)

Job No: T25853

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
T25853-1	02/27/09	08:00	DJ	02/28/09	AQ	Ground Water	MWA
T25853-2	02/27/09	09:15	DJ	02/28/09	AQ	Ground Water	MWB
T25853-3	02/27/09	08:50	DJ	02/28/09	AQ	Ground Water	MWC
T25853-4	02/27/09	07:15	DJ	02/28/09	AQ	Ground Water	MWD
T25853-5	02/27/09	08:25	DJ	02/28/09	AQ	Ground Water	MWE
T25853-6	02/27/09	07:35	DJ	02/28/09	AQ	Ground Water	MWF
T25853-7	02/27/09	00:00	DJ	02/28/09	AQ	Ground Water	DUP1
T25853-8	02/27/09	00:00	DJ	02/28/09	AQ	Trip Blank Water	TRIP BLANK

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MWA		
Lab Sample ID:	T25853-1	**Date Sampled:**	02/27/09
Matrix:	AQ - Ground Water	**Date Received:**	02/28/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hobbs GP (CO001312)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y0030834.D	1	03/06/09	RR	n/a	n/a	VY2074
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		79-122%
17060-07-0	1,2-Dichloroethane-D4	79%		75-121%
2037-26-5	Toluene-D8	118%		87-119%
460-00-4	4-Bromofluorobenzene	108%		80-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	MWB		
Lab Sample ID:	T25853-2	**Date Sampled:**	02/27/09
Matrix:	AQ - Ground Water	**Date Received:**	02/28/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hobbs GP (CO001312)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y0030854.D	1	03/06/09	RR	n/a	n/a	VY2075
Run #2	Y0030894.D	20	03/09/09	RR	n/a	n/a	VY2077

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.592 [a]	0.040	0.0092	mg/l	
108-88-3	Toluene	0.0863	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	0.176 [a]	0.040	0.0091	mg/l	
1330-20-7	Xylene (total)	1.23 [a]	0.12	0.027	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	88%	79-122%
17060-07-0	1,2-Dichloroethane-D4	114%	76%	75-121%
2037-26-5	Toluene-D8	115%	114%	87-119%
460-00-4	4-Bromofluorobenzene	107%	110%	80-133%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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:	T25853-3	**Date Sampled:**	02/27/09
Matrix:	AQ - Ground Water	**Date Received:**	02/28/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hobbs GP (CO001312)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y0030855.D	1	03/07/09	RR	n/a	n/a	VY2075
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.0699	0.0020	0.00046	mg/l	
108-88-3	Toluene	0.00078	0.0020	0.00048	mg/l	J
100-41-4	Ethylbenzene	0.0201	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	0.0868	0.0060	0.0014	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		79-122%
17060-07-0	1,2-Dichloroethane-D4	84%		75-121%
2037-26-5	Toluene-D8	117%		87-119%
460-00-4	4-Bromofluorobenzene	110%		80-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	MWD		
Lab Sample ID:	T25853-4	**Date Sampled:**	02/27/09
Matrix:	AQ - Ground Water	**Date Received:**	02/28/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hobbs GP (CO001312)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y0030856.D	1	03/07/09	RR	n/a	n/a	VY2075
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		79-122%
17060-07-0	1,2-Dichloroethane-D4	79%		75-121%
2037-26-5	Toluene-D8	114%		87-119%
460-00-4	4-Bromofluorobenzene	111%		80-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	MWE		
Lab Sample ID:	T25853-5	**Date Sampled:**	02/27/09
Matrix:	AQ - Ground Water	**Date Received:**	02/28/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hobbs GP (CO001312)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y0030857.D	1	03/07/09	RR	n/a	n/a	VY2075
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		79-122%
17060-07-0	1,2-Dichloroethane-D4	77%		75-121%
2037-26-5	Toluene-D8	114%		87-119%
460-00-4	4-Bromofluorobenzene	110%		80-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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:	T25853-6	**Date Sampled:**	02/27/09
Matrix:	AQ - Ground Water	**Date Received:**	02/28/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hobbs GP (CO001312)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y0030858.D	1	03/07/09	RR	n/a	n/a	VY2075
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		79-122%
17060-07-0	1,2-Dichloroethane-D4	77%		75-121%
2037-26-5	Toluene-D8	114%		87-119%
460-00-4	4-Bromofluorobenzene	108%		80-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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:	DUP1		
Lab Sample ID:	T25853-7	**Date Sampled:**	02/27/09
Matrix:	AQ - Ground Water	**Date Received:**	02/28/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hobbs GP (CO001312)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y0030859.D	1	03/07/09	RR	n/a	n/a	VY2075
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.0366	0.0020	0.00046	mg/l	
108-88-3	Toluene	ND	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	0.0100	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	0.0433	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	80%		75-121%
2037-26-5	Toluene-D8	119%		87-119%
460-00-4	4-Bromofluorobenzene	110%		80-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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:	TRIP BLANK		
Lab Sample ID:	T25853-8	**Date Sampled:**	02/27/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/28/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hobbs GP (CO001312)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y0030832.D	1	03/06/09	RR	n/a	n/a	VY2074
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		79-122%
17060-07-0	1,2-Dichloroethane-D4	78%		75-121%
2037-26-5	Toluene-D8	116%		87-119%
460-00-4	4-Bromofluorobenzene	112%		80-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

ACCUTEST
Laboratories

CHAIN OF CUSTODY

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

Page 1 of 1

FED-EX Tracking # 868932819031 | Bottle Order Control #
Accutest Quote # | Accutest Job # T25853

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

Project Information

Project Name / No.: Hobbs (CO001312)
Bill to | Invoice Attn.
Address
City | State | Zip
Phone No. | Fax No.
Client Purchase Order #

Requested Analyses: BTEX (8260)

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

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	ENCORE	NaHSO4	MEOH	NONE	BTEX (8260)	LAB USE ONLY
1	MWA	2/27/09	8:00	GW	3	3								X	
2	MWB	2/27/09	9:15	GW	3	3								X	
3	MWC	2/27/09	8:50	GW	3	3								X	
4	MWD	2/27/09	7:15	GW	3	3								X	
5	MWE	2/27/09	8:25	GW	3	3								X	
6	MWF	2/27/09	7:35	GW	3	3								X	
7	DUP1	2/27/09	—	GW	3	3								X	
8	TRIP BLANK	—	—	DI	2	2								X	

2/27/09

Turnaround Time (Business days) — Approved By / Date:
- [ ] 10 Day STANDARD
- [x] 7 Day
- [ ] 4 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] Other

Real time analytical data available via Lablink

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

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 Ruder - ARCADIS	2/27/09 15:00	1 FedEx	2 FedEx	02.28.09 0845	2 [signature]
Relinquished by: 3	Date Time	Received By: 3	Relinquished By: 4	Date Time	Received By: 4
Relinquished by: 5	Date Time	Received By: 5	Custody Seal #	Preserved where applicable ☐	On Ice ☑ Cooler Temp. 0.3

T25853: Chain of Custody
Page 1 of 3

SAMPLE INSPECTION FORM

Accutest Job Number: T25853 Client: ARCADIS Date/Time Received: 02.28.09 0945

# of Coolers Received: 1 Thermometer #: 110 Temperature Adjustment Factor: -0.3

Cooler Temps: #1: 0.3 #2: _____ #3: _____ #4: _____ #5: _____ #6: _____ #7: _____ #8: _____

Method of Delivery: (FEDEX) UPS Accutest Courier Greyhound Delivery Other

Airbill Numbers: 8689 3281 9031

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: 02.28.09

INFORMATION AND SAMPLE LABELING VERIFIED BY: _____

CORRECTIVE ACTIONS

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

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

Client Instructions:

\\mwalker\forms\samplemanagement

T25853: Chain of Custody
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SAMPLE RECEIPT LOG

JOB #: T2 5853 DATE/TIME RECEIVED: 02.28.09 0745

CLIENT: Arcadis INITIALS: DB

COOLER#	SAMPLE ID	FIELD ID	DATE	MATRIX	VOL	BOTTLE #	LOCATION	PRESERV	PH
1	1	MWA	02.27 0800	W	40ml	1-3	VK	1 (2) 3 4 5 6 7 8	<2 >12
	2	MW B	0915					1 (2) 3 4 5 6 7 8	<2 >12
	3	MWC	0850					1 (2) 3 4 5 6 7 8	<2 >12
	4	MWD	0715					1 (2) 3 4 5 6 7 8	<2 >12
	5	MWE	0825					1 (2) 3 4 5 6 7 8	<2 >12
	6	MWF	0735					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		DI		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
								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
								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

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

T25853: Chain of Custody

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GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: T25853
Account: AGMCOLK Arcadis U.S., Inc.
Project: Hobbs GP (CO001312)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2074-MB	Y0030830.D	1	03/06/09	RR	n/a	n/a	VY2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

T25853-1, T25853-8

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.46	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.45	ug/l	
108-88-3	Toluene	ND	2.0	0.48	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.4	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	79-122%
17060-07-0	1,2-Dichloroethane-D4	79%	75-121%
2037-26-5	Toluene-D8	115%	87-119%
460-00-4	4-Bromofluorobenzene	110%	80-133%

Method Blank Summary

Job Number: T25853
Account: AGMCOLK Arcadis U.S., Inc.
Project: Hobbs GP (CO001312)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2075-MB	Y0030853.D	1	03/06/09	RR	n/a	n/a	VY2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

T25853-2, T25853-3, T25853-4, T25853-5, T25853-6, T25853-7

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.46	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.45	ug/l	
108-88-3	Toluene	ND	2.0	0.48	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.4	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	79-122%
17060-07-0	1,2-Dichloroethane-D4	77%	75-121%
2037-26-5	Toluene-D8	115%	87-119%
460-00-4	4-Bromofluorobenzene	113%	80-133%

Method Blank Summary

Job Number: T25853
Account: AGMCOLK Arcadis U.S., Inc.
Project: Hobbs GP (CO001312)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2077-MB	Y0030891.D	1	03/09/09	RR	n/a	n/a	VY2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

T25853-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.46	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.45	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.4	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	89%	79-122%
17060-07-0	1,2-Dichloroethane-D4	77%	75-121%
2037-26-5	Toluene-D8	112%	87-119%
460-00-4	4-Bromofluorobenzene	112%	80-133%

Blank Spike Summary

Job Number: T25853
Account: AGMCOLK Arcadis U.S., Inc.
Project: Hobbs GP (CO001312)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2074-BS	Y0030839.D	1	03/06/09	RR	n/a	n/a	VY2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

T25853-1, T25853-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	20.4	82	76-118
100-41-4	Ethylbenzene	25	22.7	91	75-112
108-88-3	Toluene	25	24.1	96	77-114
1330-20-7	Xylene (total)	75	67.6	90	75-111

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	94%	79-122%
17060-07-0	1,2-Dichloroethane-D4	81%	75-121%
2037-26-5	Toluene-D8	116%	87-119%
460-00-4	4-Bromofluorobenzene	105%	80-133%

Blank Spike Summary

Job Number: T25853
Account: AGMCOLK Arcadis U.S., Inc.
Project: Hobbs GP (CO001312)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2075-BS	Y0030851.D	1	03/06/09	RR	n/a	n/a	VY2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

T25853-2, T25853-3, T25853-4, T25853-5, T25853-6, T25853-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	20.9	84	76-118
100-41-4	Ethylbenzene	25	23.1	92	75-112
108-88-3	Toluene	25	24.8	99	77-114
1330-20-7	Xylene (total)	75	70.2	94	75-111

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	92%	79-122%
17060-07-0	1,2-Dichloroethane-D4	80%	75-121%
2037-26-5	Toluene-D8	119%	87-119%
460-00-4	4-Bromofluorobenzene	107%	80-133%

Blank Spike Summary

Job Number: T25853
Account: AGMCOLK Arcadis U.S., Inc.
Project: Hobbs GP (CO001312)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2077-BS [a]	Y0030889.D	1	03/09/09	RR	n/a	n/a	VY2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

T25853-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	23.5	94	76-118
100-41-4	Ethylbenzene	25	26.7	107	75-112
1330-20-7	Xylene (total)	75	77.5	103	75-111

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	89%	79-122%
17060-07-0	1,2-Dichloroethane-D4	79%	75-121%
2037-26-5	Toluene-D8	113%	87-119%
460-00-4	4-Bromofluorobenzene	109%	80-133%

(a) Only ND results are acceptable for compounds outside control limits biased high.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T25853
Account: AGMCOLK Arcadis U.S., Inc.
Project: Hobbs GP (CO001312)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T25853-1MS	Y0030840.D	1	03/06/09	RR	n/a	n/a	VY2074
T25853-1MSD	Y0030841.D	1	03/06/09	RR	n/a	n/a	VY2074
T25853-1	Y0030834.D	1	03/06/09	RR	n/a	n/a	VY2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

T25853-1, T25853-8

CAS No.	Compound	T25853-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	21.1	84	20.9	84	1	76-118/16
100-41-4	Ethylbenzene	ND		25	23.8	95	23.1	92	3	75-112/12
108-88-3	Toluene	ND		25	24.8	99	23.7	95	5	77-114/12
1330-20-7	Xylene (total)	ND		75	70.6	94	68.7	92	3	75-111/12

CAS No.	Surrogate Recoveries	MS	MSD	T25853-1	Limits
1868-53-7	Dibromofluoromethane	93%	93%	94%	79-122%
17060-07-0	1,2-Dichloroethane-D4	82%	80%	79%	75-121%
2037-26-5	Toluene-D8	118%	116%	118%	87-119%
460-00-4	4-Bromofluorobenzene	111%	109%	108%	80-133%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T25853
Account: AGMCOLK Arcadis U.S., Inc.
Project: Hobbs GP (CO001312)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T25853-6MS	Y0030864.D	1	03/07/09	RR	n/a	n/a	VY2075
T25853-6MSD	Y0030865.D	1	03/07/09	RR	n/a	n/a	VY2075
T25853-6	Y0030858.D	1	03/07/09	RR	n/a	n/a	VY2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

T25853-2, T25853-3, T25853-4, T25853-5, T25853-6, T25853-7

CAS No.	Compound	T25853-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	20.5	82	20.2	81	1	76-118/16
100-41-4	Ethylbenzene	ND		25	22.7	91	21.7	87	5	75-112/12
108-88-3	Toluene	ND		25	23.5	94	22.8	91	3	77-114/12
1330-20-7	Xylene (total)	ND		75	67.4	90	65.6	87	3	75-111/12

CAS No.	Surrogate Recoveries	MS	MSD	T25853-6	Limits
1868-53-7	Dibromofluoromethane	93%	93%	93%	79-122%
17060-07-0	1,2-Dichloroethane-D4	80%	79%	77%	75-121%
2037-26-5	Toluene-D8	116%	114%	114%	87-119%
460-00-4	4-Bromofluorobenzene	106%	105%	108%	80-133%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T25853
Account: AGMCOLK Arcadis U.S., Inc.
Project: Hobbs GP (CO001312)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T25853-2MS	Y0030895.D	20	03/09/09	RR	n/a	n/a	VY2077
T25853-2MSD	Y0030896.D	20	03/09/09	RR	n/a	n/a	VY2077
T25853-2	Y0030894.D	20	03/09/09	RR	n/a	n/a	VY2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

T25853-2

CAS No.	Compound	T25853-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	592		500	1060	94	1050	92	1	76-118/16
100-41-4	Ethylbenzene	176		500	695	104	681	101	2	75-112/12
1330-20-7	Xylene (total)	1230		1500	2580	90	2510	85	3	75-111/12

CAS No.	Surrogate Recoveries	MS	MSD	T25853-2	Limits
1868-53-7	Dibromofluoromethane	89%	91%	88%	79-122%
17060-07-0	1,2-Dichloroethane-D4	79%	80%	76%	75-121%
2037-26-5	Toluene-D8	113%	112%	114%	87-119%
460-00-4	4-Bromofluorobenzene	108%	109%	110%	80-133%