1RP-156-0

1st QTR 2010 GW Mon. Report

DATE:
June 30, 2010

370 17th Street, Suite 2500
Denver, Colorado 80202
303-605-1893 – main
303-605-1957 – fax

June 30, 2010

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

RE: 1st 2010 Semi Annual Groundwater Monitoring Report
DCP Monument Booster Station (1RP-156-0)
Unit B Section 33, Township 19 South, Range 37 East

Dear Mr. Lowe:

DCP Midstream, LP (DCP) is pleased to submit for your review one copy of the 1st 2010 Semi Annual Groundwater Monitoring Report for the DCP Monument Booster Station located in Lea County, New Mexico (Unit B Section 33, Township 19 South, Range 37 East).

Groundwater monitoring activities were completed on May 17, 2010. The data indicate that the groundwater conditions remain stable. The next semi-annual monitoring event is scheduled for the second half of 2010.

If you have any questions regarding the report, please call at 303-605-1695 or e-mail me CECole@dcpmidstream.com .

Sincerely,

DCP Midstream, LP

Chandler S. Cole

Chandler E Cole.
Senior Environmental Specialist

Enclosure

cc: Larry Johnson – OCD District Office, Hobbs
Environmental Files

AEC AMERICAN ENVIRONMENTAL CONSULTING, LLC

June 23, 2010

Mr. Chandler Cole
DCP Midstream, LP
370 Seventeenth Street, Suite 2500
Denver, Colorado 80202

Subject: Summary of the First 2010 Semi-Annual Groundwater Monitoring Event, Monument Booster Station, Lea County, New Mexico (**1RP-156-0**)
Unit B, Section 33, Township 19 South, Range 37 East

Dear Chandler:

This letter summarizes the activities completed and data generated and provides recommendations and conclusions for the first 2010 semiannual groundwater sampling event that was completed at the DCP Midstream, LP Monument Booster Station facility in Lea County New Mexico. The activities were completed on May 17, 2010. They included the measurement of fluid levels and the sampling of all wells that did not contain measurable free phase hydrocarbons (FPH). The sampling was completed by Arc Environmental under the supervision of American Environmental Consulting, a DCP subcontractor.

SITE SETTING AND SAMPLING PROTOCOL

The facility is located in New Mexico Oil Conservation Division (OCD) designated Unit B, Section 33, Township 19 South, Range 37 East (Figure 1). The coordinates are 32.6238 degrees north 103.2550 degrees west. This active facility is used for gas compression as well as other activities. DCP owns additional property to the south and east of the facility boundaries (Figure 2).

The eight monitoring wells that are at the site are shown on Figure 2. Construction information is included in Table 1.

Depths to groundwater and, if present, free phase hydrocarbons (FPH) were measured in each well prior to purging. Wells MW-1 and MW-5 contained FPH so they were not sampled.

The remaining six wells were purged and sampled. Each well was purged using dedicated bailers until a minimum of three casing volumes of water was removed and the field parameters temperature, pH and conductivity had stabilized. Some wells were bailed down and allowed to recover because they do not produce sufficient water for sustained bailing. The well purging forms are attached. The affected purge water was disposed of at the DCP Linam Ranch facility.

Unfiltered samples were collected following purging using the same dedicated bailers. All of the samples were placed in an ice-filled chest immediately upon collection and delivered to the analytical laboratory using standard chain-of-custody protocols. The samples were analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method SW846 8260.

HYDRAULIC RESULTS

The corrected groundwater elevations are shown on Table 2. The water-table elevations for the wells containing FPH were adjusted using the following formula:

$GWE_{corr} = MGWE + (PT*PD)$: where

- MGWE is the actual measured groundwater elevation;
- PT is the measured free-phase hydrocarbon thickness; and
- PD is the free phase hydrocarbon density (assumed 0.75).

Hydrographs for select wells throughout the study area are included in Figure 3. These hydrographs show that the water table continued to decline at a steady rate of approximately 1 foot per year in all of wells at the site. Overall, the water table is generally now at the lowest elevation since measurements began in 1995.

The FPH thickness measurements over the duration of the project are summarized in Table 3. The FPH thicknesses decreased in MW-1 and remained essentially unchanged in MW-5 since the last measurements in September 2009. (Figure 4).

A water-table contour map that was generated using the program Surfer with the kriging option is included as Figure 5. The groundwater flow maintained its historic direction toward the south-southeast. The groundwater flow direction is also toward and then across the low-permeability discontinuity associated with the redbeds.

CHEMICAL RESULTS

The analytical results for this semiannual episode are summarized in Table 4. The laboratory report is attached. The quality control evaluation can be summarized as follows:

- All samples were analyzed within required holding time;
- All surrogates were within their acceptable ranges;
- The method blank and blank spike results were acceptable;
- The matrix spike and matrix spike duplicate samples from MW-4 were within the control ranges, and
- The relative percentage difference (RPD) values for the primary and duplicate samples for MW-7 were acceptable.

The New Mexico Water Quality Control Commission (NMWQCC) Groundwater Standards are listed at the top of Table 4. The benzene concentration in MW-7 exceeded its standard. Ethylbenzene and xylenes were also detected in the primary and duplicate MW-7 samples. The measured concentrations were over two orders of magnitude lower than the NMWQCC standards. None of the BTEX constituents were detected in wells MW-1D, MW-2, MW-3 MW-4, and MW-6 (Table 4).

The benzene distribution for this sampling event is plotted on Figure 6. Examination of Figures 5 and 6 together indicates that the benzene concentration in MW-7 attenuates to below the method detection limit by the time the water migrates to MW-3.

The historical values are summarized for benzene in Table 5, toluene in Table 6, ethylbenzene in Table 7 and xylenes in Table 8. The historic BTEX concentrations for MW-7 are plotted on Figure 7. MW-7 is directly down-gradient from well MW-1 that contains FPH (Figure 2). Examination of Figure 7 indicates that the benzene concentrations have declined since the second half of 2007.

The historic BTEX concentrations for MW-6 are also plotted on Figure 7. The benzene concentration in MW-6 declined to below the method detection limit after an anomalously high value was measured the second half of 2007.

The next semi-annual groundwater-monitoring episode is scheduled for the second half of 2010. AEC recommends that the MW-6 continued to be sampled even if site conditions have to be monitored until it can be safely accessed on a return visit.

Do not hesitate to contact me if you have any questions or comments on this report or any other aspects of the project.

Sincerely,
AMERICAN ENVIRONMENTAL CONSULTING, LLC

Michael H. Stewart

Michael H. Stewart, PE, CPG
Principal Engineer

MHS/tbm
attachments

TABLES

Table 1 – Monument Booster Well Construction Summary

Well	Ground Surface Elevation (feet)	Top of Casing Elevation (feet)	Installation Date	Well Depth (TOC) (feet)	Well Diameter (inches)
MW-1	3588.85	3,591.15	2/94	37.00	4
MW-1D	3589.06	3,591.31	5/95	36.25	2
MW-2	3594.13	3,596.30	2/94	43.25	4
MW-3	3581.46	3,583.86	5/95	35.65	4
MW-4	3586.10	3,588.77	5/95	38.95	4
MW-5	3589.62	3,592.16	5/95	37.00	4
MW-6	3586.15	3,587.93	11/95	38.45	4
MW-7	3588.06	3,589.40	11/95	38.45	4

Table 2 – Monument Booster Summary of Water Table Elevations

Well	5/16/95	11/21/95	1/18/96	4/24/96	1/22/97	8/11/97	1/23/98	8/3/98	2/10/99	8/17/99	2/17/00	8/23/00	2/8/01	7/30/01	2/13/02	9/27/02	4/25/03
MW-1	3565.17	3565.65	3565.32	3565.47	3565.27	3565.14	3565.59	3564.84	3565.67	3565.75	3565.53	3565.49	3565.34	3564.97	3565.03	3564.95	3565.36
MW-1D	3565.27	3565.77	3565.42	3565.61	3565.46	3565.28	3565.65	3564.96	3565.77	3565.81	3565.59	3565.55	3565.55	3565.07	3565.46	3564.99	3565.46
MW-2	3567.02	3567.21	3567.15	3567.20	3567.15	3566.92	3567.32	3566.76	3567.37	3567.24	3567.23	3567.08	3567.18	3566.78	3567.29	3566.81	3567.14
MW-3	3561.14	3561.74	3561.61	3561.61	3560.84	3560.68	3560.49	3560.37	3560.29	3560.73	3560.53	3560.83	3560.85	3560.61	3560.22	3560.09	3560.37
MW-4	3562.32	3562.98	3562.87	3562.79	3562.27	3562.00	3562.23	3562.00	3562.09	3562.63	3562.27	3562.58	3562.54	3562.27	3562.01	3561.87	3562.13
MW-5	3564.06	3564.54	3564.33	3564.40	3564.18	3564.10	3564.30	3563.80	3564.30	3564.55	3564.21	3564.21	3564.25	3563.94	3564.15	3563.88	3564.21
MW-6		3563.22	3563.82	3562.99	3562.49	3562.29	3562.68	3562.20	3562.57	3563.28	3562.69	3563.15	3562.99	3562.57	3562.45	3562.19	3562.54
MW-7		3564.24	3563.92	3564.07	3563.84	3563.67	3564.02	3563.39	3564.08	3564.21	3563.97	3563.98	3563.97	3563.55	3563.82	3563.45	3563.84

Well	9/18/03	3/16/04	8/17/04	3/4/05	9/21/05	3/16/06	9/20/06	3/22/07	9/25/07	3/20/08	09/17/08	3/10/09	9/23/09	5/17/10
MW-1	3564.59	3566.65	3565.51	3566.92	3566.08	3565.81	3567.01	3565.95	3566.10	NM	NM	3564.30	3564.03	3563.86
MW-1D	3564.74	3566.71	3565.60	3566.92	3566.79	3565.98	3567.35	3566.16	3566.34	3565.23	3565.15	3564.60	3564.63	3564.11
MW-2	3566.71	3567.75	3567.13	3567.63	3567.44	3567.51	3567.79	3567.58	3567.46	3567.02	3567.02	3566.75	3566.73	3566.22
MW-3	3559.92	3560.52	3561.33	3564.34	3563.24	3562.55	3563.71	3563.22	3562.66	3562.06	3561.47	3561.04	3560.62	3560.26
MW-4	3561.72	3562.36	3562.87	3565.42	3564.11	3563.47	3564.65	3564.02	3563.44	3562.89	3562.60	3562.21	3561.99	3561.62
MW-5	3563.58	3564.76	3564.47	3566.23	3565.23	3564.68	3566.20	3564.53	3565.26	NM	NM	3563.51	3563.47	3563.11
MW-6	3561.98	3562.81	3563.14	3566.08	3564.38	3563.53	3565.92	3564.82	3563.63	NM	3562.60	NM	3562.12	3561.83
MW-7	3563.22	3564.92	3564.11	3565.51	3564.83	3564.44	3565.94	3564.72	3564.85	3563.75	3563.71	3563.24	3563.17	3562.70

Units are feet
Blank cells denote wells not installed
NM: Well installed but not measured

Table 3 - Summary of Free Phase Hydrocarbon Thickness in MW-1 and MW-5

Date	MW-1	MW-5		Date	MW-1	MW-5		Date	MW-1	MW-5
7/24/95	2.48			4/4/00	0.13	0.16		8/20/03	0.15	0.001
7/27/95	0.53			4/24/00	0.22	0.01		9/18/03	0	0.001
11/15/95	1.35	0.77		6/15/00	0.46	0.01		10/28/03	0	0.001
11/21/95	1.86	0.76		7/19/00	0.12	0.15		11/21/03	0.17	0.001
12/20/95	2.14	0.75		8/23/00	0.09	0.15		12/8/03	0.3	0.001
1/18/96	2.18	0.75		10/3/00	0.5	0.19		1/15/04	0.1	0.09
4/24/96	2.09	0.79		12/14/00	0.17	0.42		2/20/04	0	0.37
6/14/96	2.27	0.82		1/23/01	0.31	0.22		3/16/04	0	0.29
1/27/97	2.21	0.59		2/9/01	0.62	0.01		4/29/04	0.71	0.75
8/11/97	0.02	0.09		4/4/01	0.11	0.16		5/26/04	0.38	0.45
8/9/97	0.03	0.08		5/16/01	0.36	0.08		8/17/04	0.01	0.03
9/18/97	0.04			6/19/01	0.83	0.01		3/4/05	1.41	0.17
10/22/97		0.04		7/20/01	0.57	0.001		9/21/05	0.6	0.31
11/25/97		0.09		9/10/01	0.22	0.001		3/16/06	0.37	0.39
12/9/97		0.22		10/9/01	0.13	0.001		9/20/06	1.6	0.55
1/23/98	0.08	0.04		11/8/01	0.19	0.001		3/22/07	0.55	0.44
2/24/98	0.03	0.33		12/11/01	0.24	0.01		9/25/07	0.83	0.20
3/23/98	0	0.38		1/18/02	0.12	0.2		3/10/09	1.87	0.75
6/23/98	0.03	0.58		2/13/02	0.69	0.01		9/23/09	2.89	0.69
8/3/98	0.01	0.53		3/14/02	0.14	0.001		5/17/10	1.64	0.70
9/18/98	0.09	0.36		4/10/02	0.08	0.001				
10/28/98	0.07	0.31		5/14/02	0.22	0.01				
11/17/98	0.03	0.27		6/18/02	0.69	0.01				
2/10/99	0.09	0.76		7/12/02	0.37	0.001				
3/24/99	0.27	1.2		8/14/02	0.75	0.02				
4/20/99	0.49	1.64		9/24/02	0.69	0.001				
5/13/99	0.02	0.19		10/24/02	0.27	0.001				
6/14/99	0.02	0.32		11/22/02	0.08	0.001				
8/4/99	0.03	0.51		12/17/02	0.08	0.02				
8/17/99	0.01	0.39		1/15/03	0.05	0.05				
9/14/99	0.04	0.37		2/18/03	0.11	0.1				
10/26/99	0.22	0.53		3/28/03	0.6	0.09				
11/22/99	0.24	0.37		4/23/03	0.09	0.001				
12/20/99	0.01	0.32		5/29/03	0.66	0.06				
1/26/00	0.06	0.28		6/23/03	0.41	0.001				
2/17/00	0.08	0.1		7/30/03	0.31	0.001				

Notes: Units in feet, some data compiled from historical reports generated by others

Table 4 – Monument Booster First Half 2010 Sampling Results

Well	Benzene	Toluene	Ethylbenzene	Xylenes
NMWQCC	0.01	0.75	0.75	0.62
MW-1D	<0.002	<0.002	<0.002	<0.006
MW-2	<0.002	<0.002	<0.002	<0.006
MW-3	<0.002	<0.002	<0.002	<0.006
MW-4	<0.002	<0.002	<0.002	<0.006
MW-6	<0.002	<0.002	<0.002	<0.006
MW-7	**0.0201**	<0.002	0.0095	0.0033J
MW-7 Dup	**0.0198**	<0.002	0.0092	0.0033J

All units mg/l
NMWQCC: New Mexico Water Quality Control Commission groundwater standards.
All constituents that exceed the above standards are highlighted as bold text
J modifier notes estimated value (between method detection limit and method reporting limit).

Table 5 - Monument Booster Summary of Historical Results for Benzene

Sample Date	MW-1D	MW-2	MW-3	MW-4	MW-6	MW-7
05/16/95	0.018	<0.001	<0.001	<0.001		
11/15/95	0.003		<0.001		0.003	0.465
01/18/96	0.004	<0.001	<0.001	0.003	0.002	1.13
04/24/96	<0.001	<0.001	<0.001	<0.002	<0.001	0.585
01/22/97	0.001	<0.001	<0.001	0.002	0.001	0.896
08/11/97	<0.001	<0.001	<0.001	0.001	<0.001	0.317
01/23/98	<0.001	<0.001	<0.001	<0.001	<0.001	0.876
08/03/98	<0.001	<0.001	0.007	<0.001	<0.001	0.094
02/10/99	<0.001	<0.001	<0.005	<0.001	<0.001	0.597
08/17/99	<0.001	0.017	0.043	<0.001	0.002	0.705
02/18/00	0.002	<0.001	0.021	<0.005	<0.001	0.573
08/23/00	<0.005	<0.001	0.006	<0.005	<0.001	0.546
02/09/01	<0.001	<0.001	0.004	0.002	<0.001	0.355
07/30/01	<0.001	<0.001	0.002	<0.001	<0.001	0.017
02/13/02	<0.001	<0.001	0.002		<0.001	0.228
09/27/02	<0.001	<0.001	<0.005		<0.005	0.015
04/25/03	<0.005	<0.001	<0.005	<0.001	<0.001	0.157
09/18/03	0.002	0.002	0.002	<0.001	0.002	0.018
03/17/04	<0.001	<0.001	<0.001	<0.001	<0.001	0.125
08/17/04	<0.001	<0.001	<0.001	<0.001	<0.001	0.237
03/04/05	<0.001	<0.001	<0.001	<0.001	0.0061	0.125/0.121
09/21/05	<0.001	<0.001	<0.001	<0.001	<0.001	0.15/0.148
03/16/06	<0.001	<0.001	<0.001	<0.001	<0.001	0.191
09/20/06	<0.001	<0.001	<0.001	<0.001	0.0391	0.236
03/22/07	<0.001	<0.001	<0.001	<0.001	<0.001	0.209/0.215
09/25/07	<0.001	<0.001	<0.001	<0.001	<0.001	0.465/0.458
03/20/08	<0.002	<0.002	<0.002	<0.002		0.161/0.169
09/17/08	<0.002	<0.002	<0.002	<0.002		0.083
03/10/09	<0.002/<0.002	<0.002	<0.002	<0.002		0.0339
09/23/09	<0.002	<0.002	<0.002	<0.002	0.035	0.0332/<0.002
05/17/10	<0.002	<0.002	<0.002	<0.002	<0.002	0.0201/0.0198

All units mg/l

Blank cells note samples for wells that were either not installed or not sampled

Table 6 - Monument Booster Summary of Historical Results for Toluene

Sample Date	MW-1D	MW-2	MW-3	MW-4	MW-6	MW-7
05/16/95	0.015	<0.001	<0.001	<0.001		
11/15/95	0.002	0.006	<0.001	0.006	0.001	0.205
01/18/96	0.003	<0.001	<0.001	<0.001	<0.001	0.476
04/24/96	<0.001	<0.001	<0.001	<0.002	<0.001	0.251
01/22/97	0.001	<0.001	<0.001	<0.001	<0.001	0.240
08/11/97	<0.001	<0.001	<0.001	<0.001	<0.001	0.155
01/23/98	<0.001	<0.001	<0.001	<0.001	<0.001	0.486
08/03/98	<0.001	<0.001	<0.001	<0.001	<0.001	0.064
02/10/99	<0.001	<0.001	<0.005	<0.001	<0.001	0.440
08/17/99	<0.001	0.002	<0.005	<0.001	<0.001	0.060
02/18/00	0.003	<0.001	<0.005	<0.005	0.004	0.490
08/23/00	<0.005	<0.001	<0.005	<0.005	0.004	0.484
02/08/01	<0.001	<0.001	0.001	<0.001	<0.001	0.424
07/30/01	<0.001	<0.001	<0.001	<0.001	<0.001	0.058
02/13/02	<0.001	<0.001	<0.001		<0.001	0.094
09/27/02	<0.001	<0.001	<0.005		<0.005	0.017
04/25/03	<0.005	<0.001	<0.005	<0.001	<0.001	0.192
09/18/03	<0.001	<0.001	<0.001	<0.001	<0.001	0.023
03/17/04	<0.001	<0.001	<0.001	<0.001	<0.001	0.108
08/17/04	<0.001	<0.001	<0.001	<0.001	<0.001	0.081
03/04/05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
09/21/05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
03/16/06	<0.001	<0.001	<0.001	<0.001	<0.001	0.0032
09/20/06	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
03/22/07	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05/<0.01
09/25/07	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01/<0.01
03/20/08	<0.002	<0.002	<0.002	<0.002		<0.002/<0.002
09/17/08	<0.002	<0.002	<0.002	<0.002		<0.002
03/10/09	<0.002/<0.002	<0.002	<0.002	<0.002		<0.002
09/23/09	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002/<0.002
05/17/10	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002/<0.002

All units mg/l

Blank cells note samples for wells that were either not installed or not sampled

Table 7 - Monument Booster Summary of Historical Results for Ethylbenzene

Sample Date	MW-1D	MW-2	MW-3	MW-4	MW-6	MW-7
05/16/95	0.006	<0.001	<0.001	<0.001		
11/15/95	<0.001	0.002	<0.001	0.002	<0.001	<0.001
01/18/96	<0.001	<0.001	<0.001	<0.001	<0.001	0.003
04/24/96	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002
01/22/97	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
08/11/97	<0.001	<0.001	<0.001	<0.001	<0.001	0.020
01/23/98	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
08/03/98	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
02/10/99	<0.001	<0.001	<0.005	<0.001	<0.001	<0.005
08/17/99	<0.001	0.013	<0.005	<0.001	<0.001	<0.005
02/18/00	<0.001	<0.001	<0.005	<0.005	<0.001	<0.005
08/23/00	<0.005	<0.001	<0.005	<0.005	<0.001	0.006
02/09/01	<0.001	<0.001	0.002	<0.001	<0.001	<0.005
07/30/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
02/13/02	<0.001	<0.001	<0.001		<0.001	<0.005
09/27/02	<0.001	<0.001	<0.005		<0.005	<0.005
04/25/03	<0.005	<0.001	<0.005	<0.001	<0.001	<0.005
09/18/03	<0.001	<0.001	<0.001	<0.001	0.002	<0.001
03/17/04	<0.001	<0.001	<0.001	<0.001	<0.001	<0.010
08/17/04	<0.001	<0.001	<0.001	<0.001	<0.001	<0.020
03/04/05	<0.001	<0.001	<0.001	<0.001	0.0032	0.0467/0.0453
09/21/05	<0.001	<0.001	<0.001	<0.001	<0.001	0.0794/0.0789
03/16/06	<0.001	<0.001	<0.001	<0.001	<0.001	0.0733
09/20/06	<0.001	<0.001	<0.001	<0.001	0.0287	0.176
03/22/07	<0.001	<0.001	<0.001	<0.001	<0.001	0.149/0.121
09/25/07	<0.001	<0.001	<0.001	<0.001	<0.001	0.318/0.314
03/20/08	<0.002	<0.002	<0.002	<0.002		0.057/0.0637
09/17/08	<0.002	<0.002	<0.002	<0.002		0.0475
03/10/09	<0.002/<0.002	<0.002	<0.002	<0.002		0.0177
09/23/09	<0.002	<0.002	<0.002	<0.002	0.0215	0.0176/<0.002
05/17/10	<0.002	<0.002	<0.002	<0.002	<0.002	0.0095/0.0092

All units mg/l

Blank cells note samples for wells that were either not installed or not sampled

Table 8 - Monument Booster Summary of Historical Results for Total Xylenes

Sample Date	MW-1D	MW-2	MW-3	MW-4	MW-6	MW-7
05/16/95	0.016	<0.001	<0.001	<0.001		
11/15/95	0.001	0.009*	<0.001	0.010*	0.003	0.163
01/18/96	0.009	<0.001	<0.001	<0.001	<0.001	0.365
04/24/96	<0.001	<0.001	<0.001	<0.002	<0.001	0.013
01/22/97	<0.001	<0.001	<0.001	<0.001	<0.001	0.330
08/11/97	<0.001	<0.001	<0.001	<0.001	0.001	0.049
01/23/98	<0.001	<0.001	<0.001	<0.001	<0.001	0.181
08/03/98	<0.001	<0.001	<0.001	<0.001	<0.001	0.007
02/10/99	<0.001	<0.001	<0.005	<0.001	0.014	0.120
08/17/99	<0.001	0.003	<0.005	0.001	0.012	0.556
02/17/00	0.001	<0.001	<0.005	<0.005	0.006	0.226
08/23/00	<0.005	<0.001	<0.005	<0.005	0.011	0.177
02/08/01	0.001	<0.001	0.005	0.002	0.011	0.052
07/30/01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
02/13/02	<0.001	<0.001	<0.001		<0.001	0.050
09/27/02	<0.001	<0.001	<0.005		<0.005	<0.005
04/25/03	<0.005	<0.001	<0.005	<0.001	<0.001	0.020
09/18/03	<0.001	<0.001	<0.001	<0.001	0.001	0.004
03/17/04	<0.001	<0.001	<0.001	<0.001	<0.001	0.033
08/17/04	<0.001	<0.001	<0.001	<0.001	<0.001	<0.020
03/04/05	<0.001	<0.001	<0.001	<0.001	<0.001	0.0202
09/21/05	<0.001	<0.001	<0.001	<0.001	<0.001	0.0248
03/16/06	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
09/20/06	<0.001	<0.001	<0.001	0.0043	0.0194	0.187
03/22/07	<0.001	<0.001	<0.001	0.0036	0.0013	0.116/0.0532
09/25/07	<0.001	<0.001	<0.001	<0.001	<0.001	0.307/0.302
03/20/08	<0.006	<0.006	<0.006	<0.006		0.0295/0.0325
09/17/08	<0.002	<0.006	<0.006	<0.006		0.0204
03/10/09	<0.006/<0.006	<0.006	<0.006	<0.006		0.0052 J
09/23/09	<0.006	<0.006	<0.006	<0.006	0.0052J	0.0033J/<0.006
05/17/10	<0.006	<0.006	<0.006	<0.006	<0.006	0.0033J/0.0033J

All units mg/l

Blank cells note samples for wells that were either not installed or not sampled

FIGURES

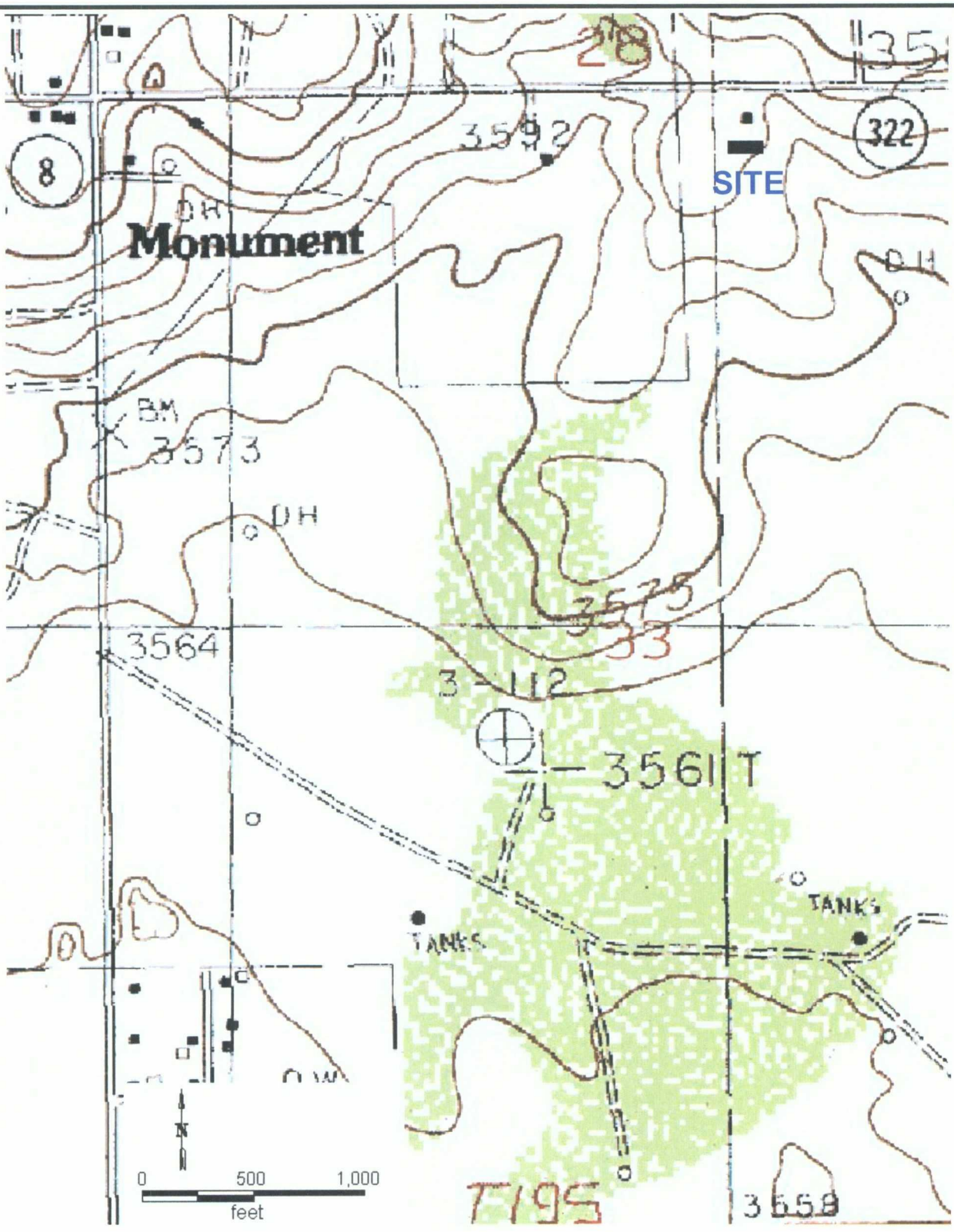


Figure 1 – Facility Location

Monument Booster Station Groundwater Monitoring

dcp Midstream

DRAWN BY:	MHS
REVISED:	
DATE:	1/07

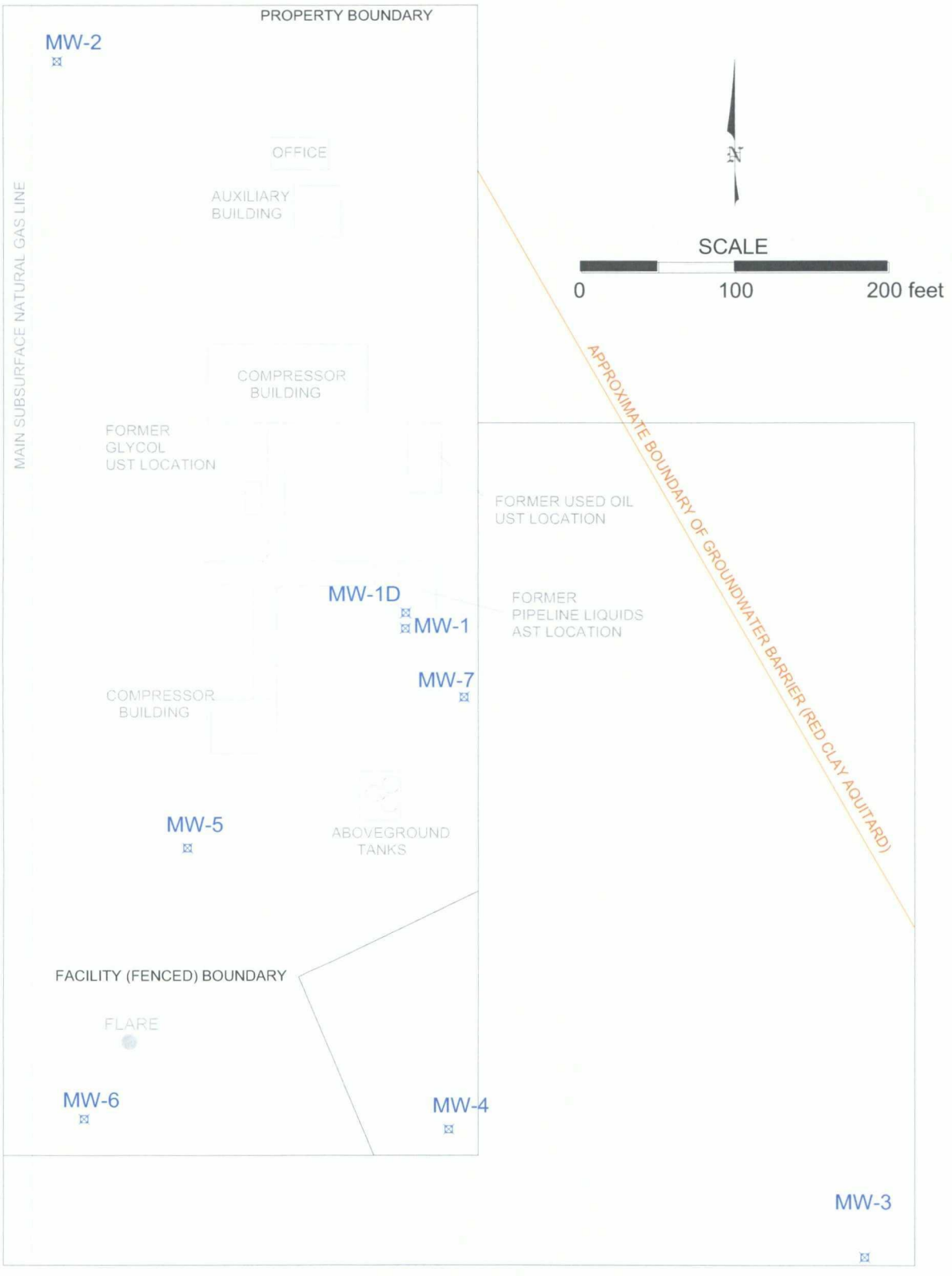


Figure 2 – Monitor Well Locations

Monument Booster Station Groundwater Monitoring

dcp Midstream

DRAWN BY:	MHS
REVISED:	4/09
DATE:	5/07

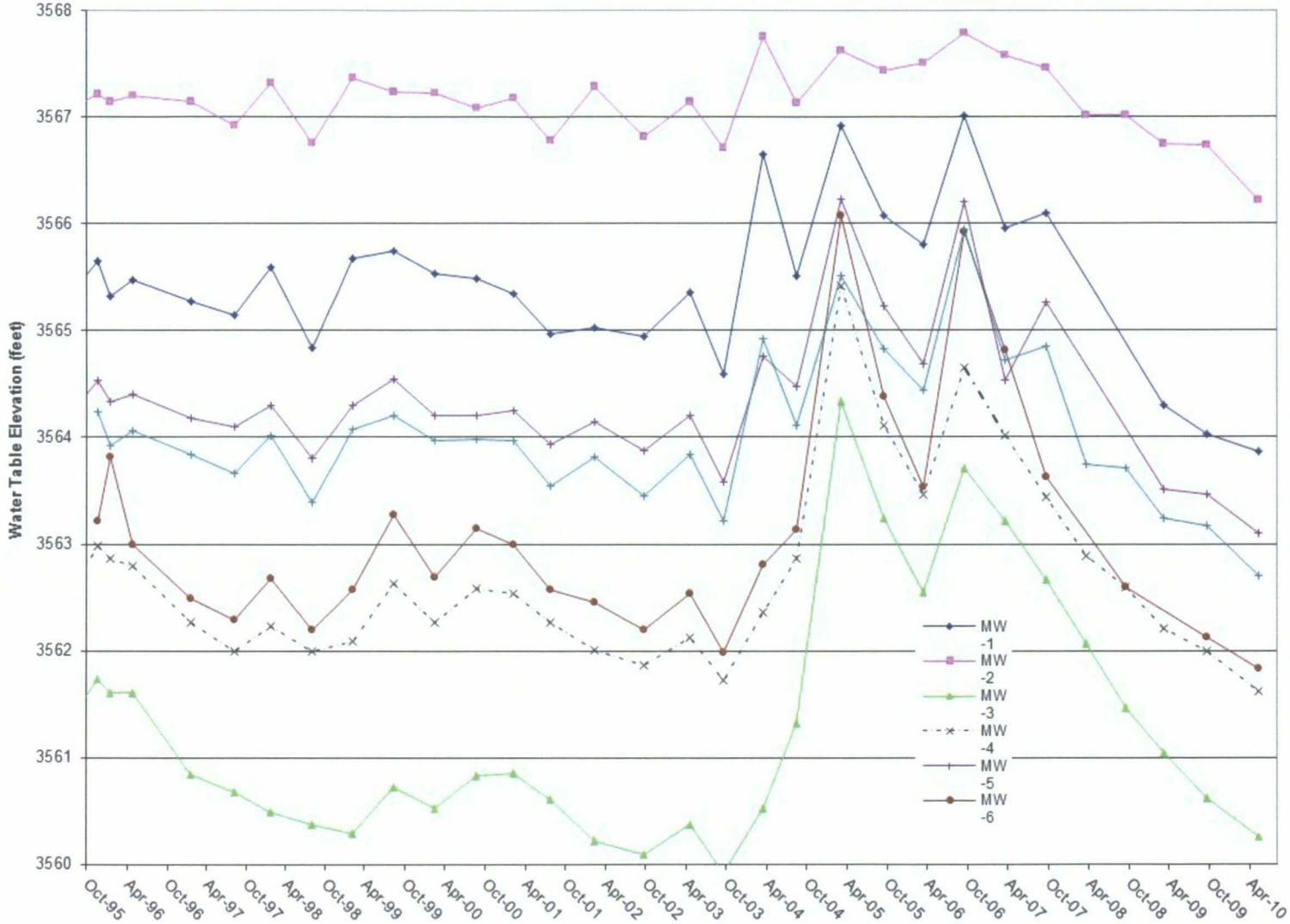


Figure 3 – Monument Booster Hydrographs

Monument Booster Station Groundwater Monitoring

dcp Midstream.

DRAWN BY: MHS

DATE: 6/10

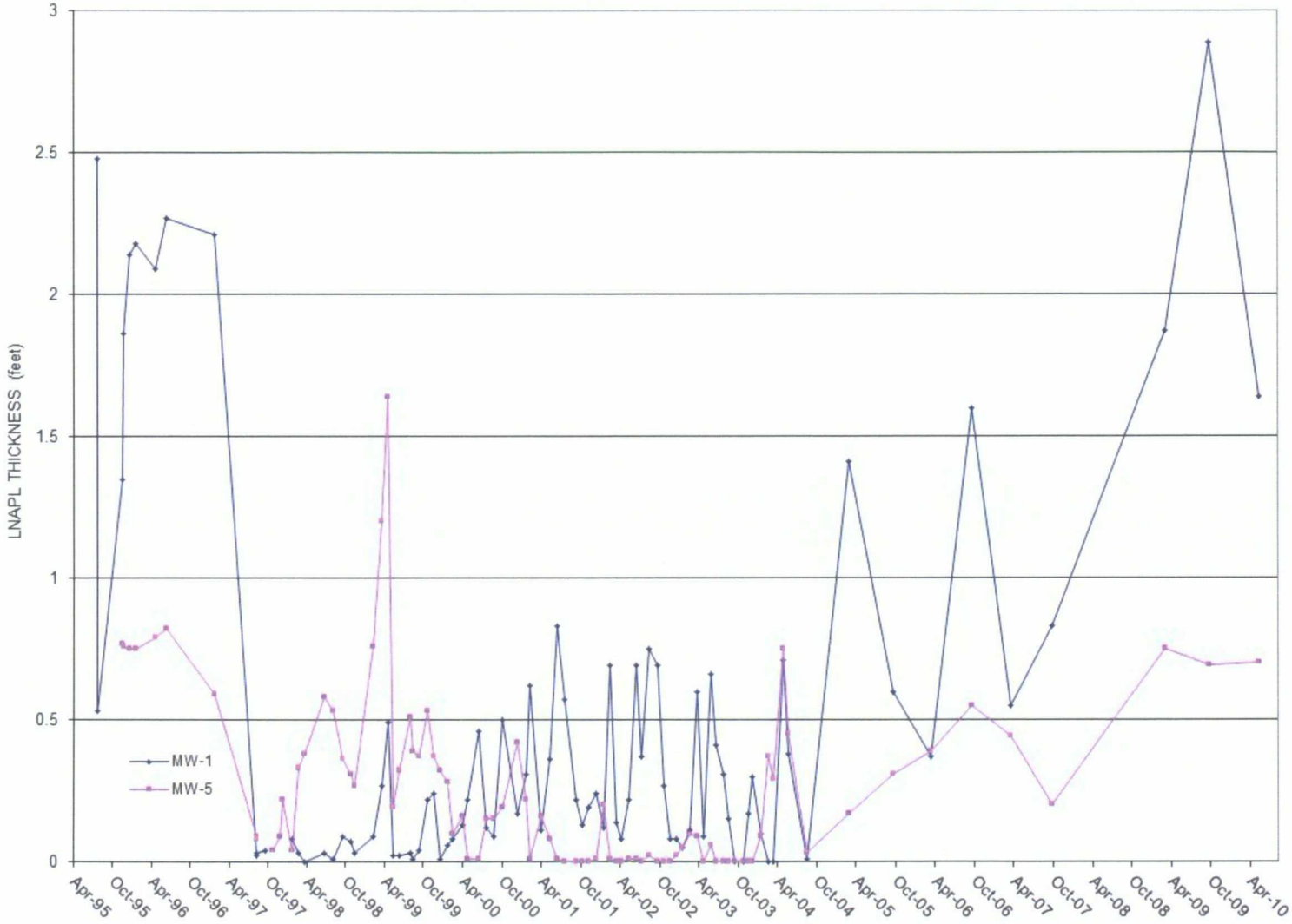


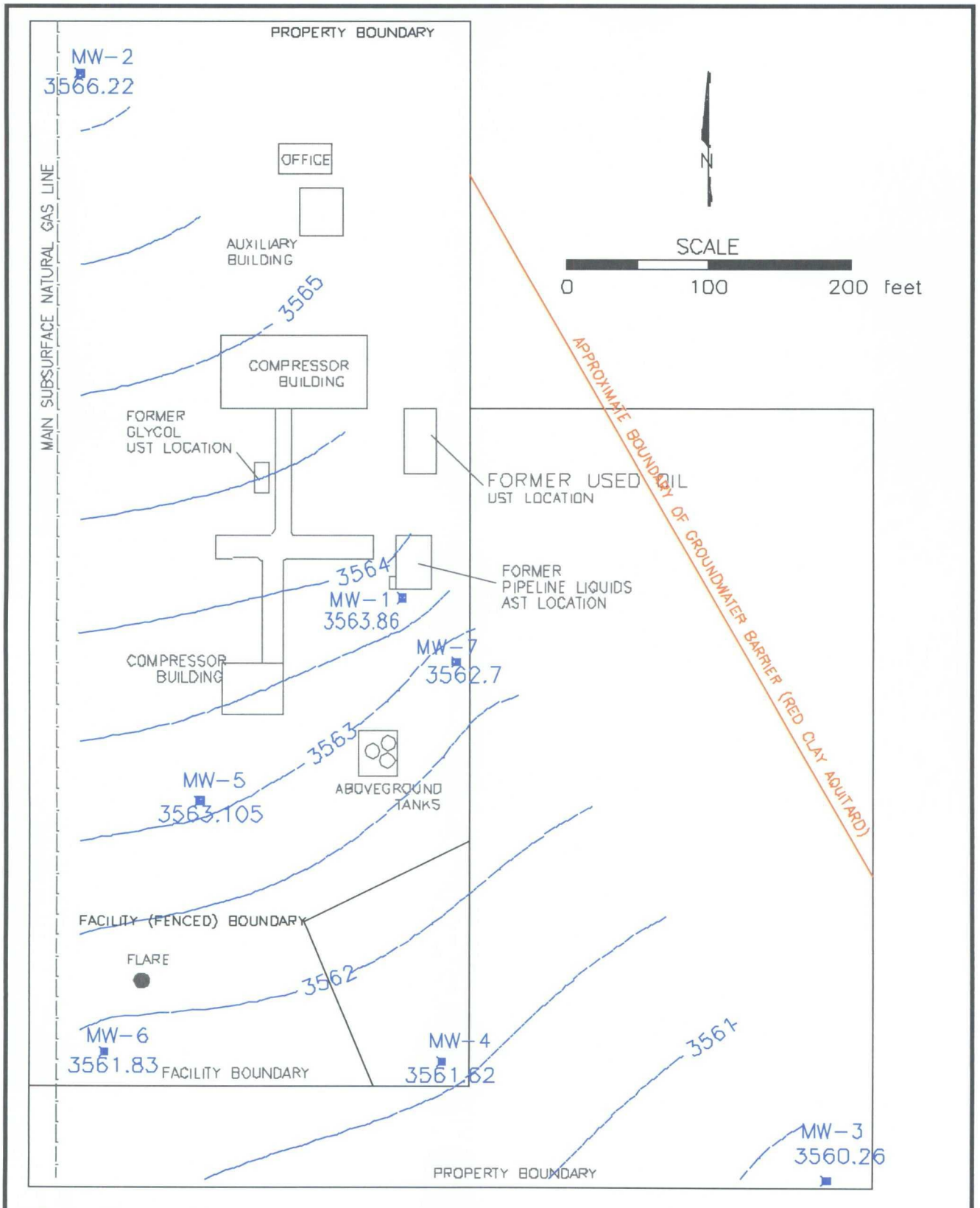
Figure 4 – Free Phase Hydrocarbon Thickness

Monument Booster Station Groundwater Monitoring

dcp Midstream

DRAWN BY: MHS

DATE: 6/10



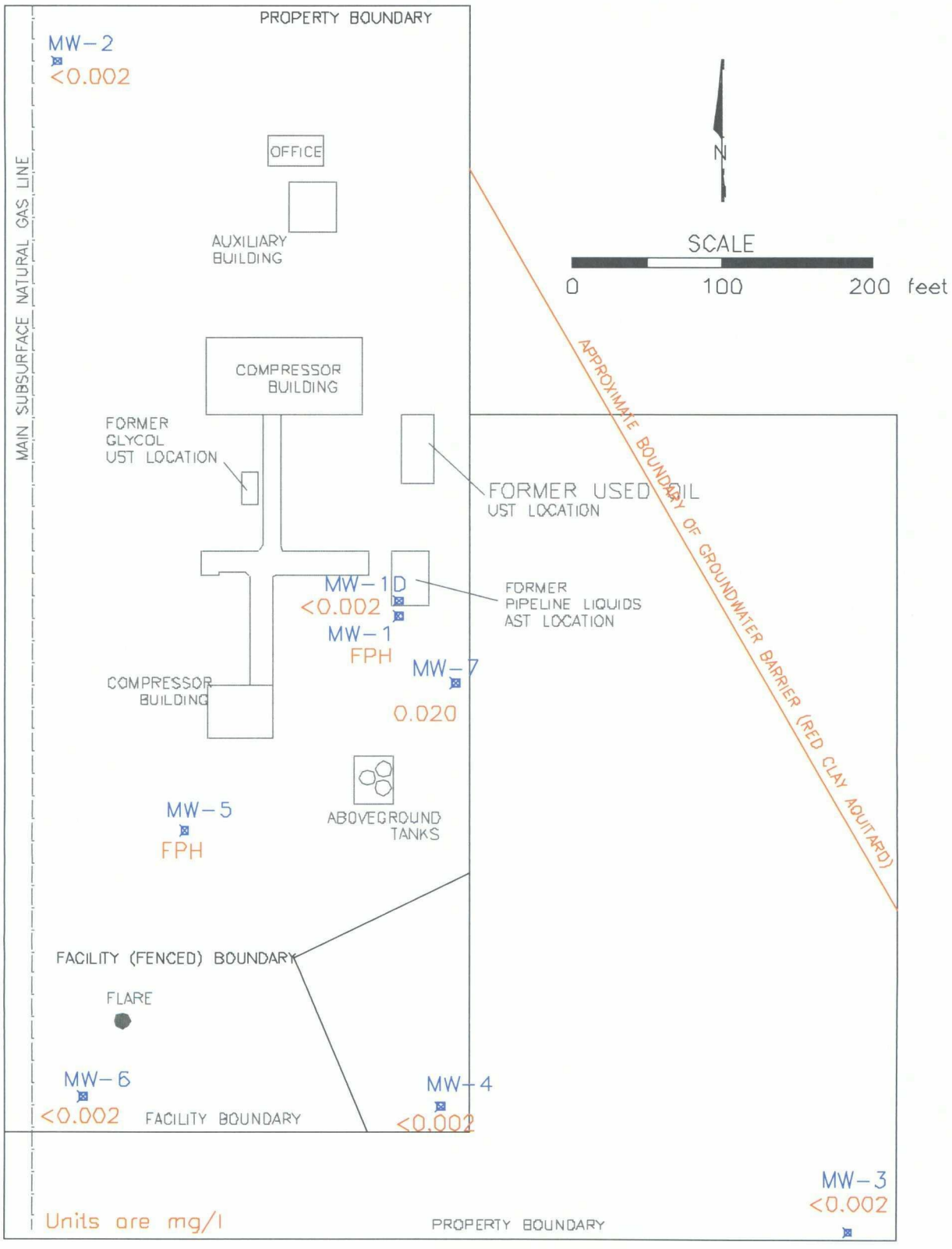
Contour interval: 0.5 feet

Figure 5 – May 2010 Water Table Elevation Contours

Monument Booster Station Groundwater Monitoring

dcp Midstream

DRAWN BY:	MHS
REVISED:	
DATE:	6/10



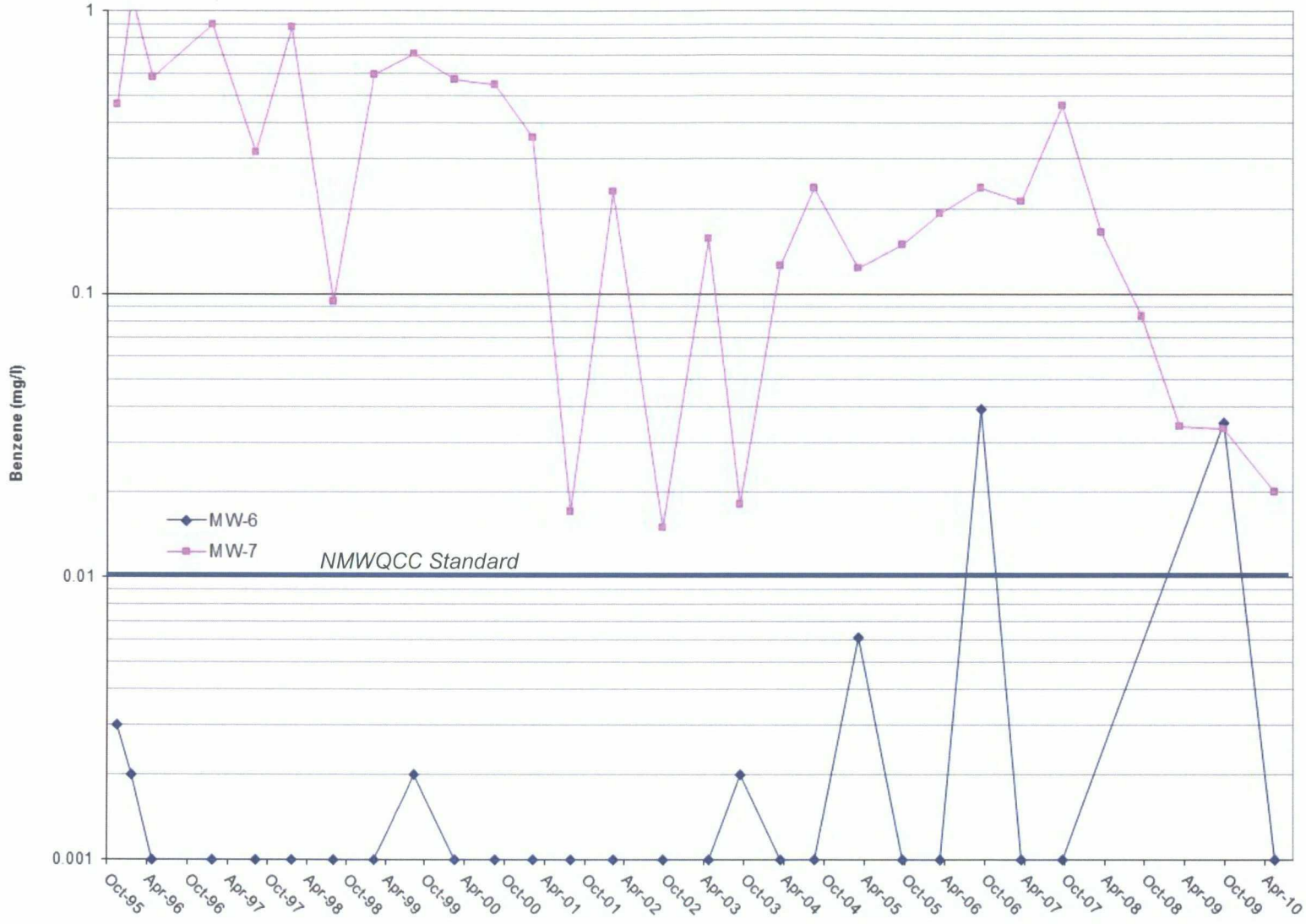
FPH free-phase hydrocarbons

Figure 6 – May 2010 Benzene Distribution

Monument Booster Station Groundwater Monitoring

dcp Midstream

DRAWN BY:	MHS
REVISED:	
DATE:	6/10



Notes

- NMWQCC: New Mexico Water Quality Control Commission
- Values that were reported as below the method reporting limit are plotted at concentrations of 0.001 mg/l

Figure 7 – MW-6 and MW-7 Benzene Concentrations

Monument Booster Station Groundwater Monitoring

dcp Midstream

DRAWN BY: MHS

DATE: 6/10

WELL SAMPLING DATA AND

LABORATORY ANALYTICAL REPORTS

ARC ENVIRONMENTAL

P. O. Box 1772 ~ Lovington, NM 88260
(575) 631-9310

FIELD MEASUREMENT and OBSERVATION LOG

PROJECT NAME: DCP Midstream

PROJECT LOCATION: DCP Monument Booster
PROJECT NUMBER:

Date Sampled: 5-17-2010

PROJECT MANAGER: Michael H. Stewart, P.E., C.P.G.

FIELD TECHNICIAN: Rozanne Johnson - Arc Environmental

Notes: Water was disposed of at Linam Ranch.

WELL # /SAMPLE LOCATION	TOTAL WELL DEPTH (feet)	DEPTH TO PRODUCT (feet)	DEPTH TO WATER (feet)	HEIGHT WATER COLUMN (feet)	WELL FACTOR 2"=.16 4"=.65 5"=1.02	CALC. WELL VOLUME (gallons)	NUMBER OF WELL VOLUMES PURGED	TOTAL PURGED (gallons)	Temp (°C)	pH	Cond. (ms/cm)		Time	SAMPLE CHARACTERISTICS (odor, color, sheen)
Monitor Well #1	37.00	26.88	28.52	8.48	0.65	5.5								Gauge Only, 1.64ft of product present
Monitor Well #1d	36.29		27.20	9.09	0.16	1.5	3	6	22.1	7.35	1.05		14:00	Clear, No Odor was Present
Monitor Well #2	43.20		30.08	13.12	0.65	8.5	3	30	21.1	7.24	3.23		10:20	Clear, No Odor was Present
Monitor Well #3	35.62		23.60	12.02	0.65	7.8	3	25	20.8	7.20	1.36		9:15	Clear, No Odor was Present
Monitor Well #4	38.91		27.15	11.76	0.65	7.6	3	25	21.3	7.12	1.25		11:25	Clear, No Odor was Present, MS/MSD
Monitor Well #5	37.00	28.88	29.58	7.42	0.65	4.8								Gauge Only, 0.70ft of product present
Monitor Well #6	38.45		26.10	12.35	0.65	8.0	3	25	21.6	6.92	1.26		13:05	Sheen
Monitor Well #7	36.40		26.70	9.70	0.65	6.3	3	25	21.4	6.84	1.38		12:15	Turbid to Clear in Color, Odor was Present, Duplicate Sample Taken

Comments: The duplicate sample was Monitor Well #7, the MS/MDS was Monitor Well #4. The analysis requested was BTEX (8260).

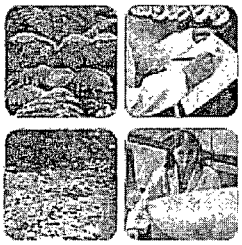
The samples were FedEx to Accutest Labs in Houston from Hobbs, New Mexico.

MW-7 changed to 26.7 by Stewart based upon evaluation of data

Technical Report for

DCP Midstream, LLC

AECCOLI: DCP Midstream Monument Booster Station/Lea County, NM



Accutest Job Number: T53031

Sampling Date: 05/17/10

Report to:

American Environmental Consulting

mstewart@aecdenver.com

ATTN: Mike Stewart

Total number of pages in report: 22

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: Georgia Jones 713-271-4700

Certifications: TX (T104704220-09C-TX) AR (88-0756) FL (E87628) KS (E-10366) LA (85695/04004) OK (9103) UT(7132714700)

Test results relate only to samples analyzed.

Sections:

Table of Contents

-1-

Sample Summary

DCP Midstream, LLC

Job No: T53031

AECCOLI: DCP Midstream Monument Booster Station/Lea County, NM

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
T53031-1	05/17/10	14:00		05/20/10	AQ	Ground Water	MONITOR WELL 1D
T53031-2	05/17/10	10:20		05/20/10	AQ	Ground Water	MONITOR WELL 2
T53031-3	05/17/10	09:15		05/20/10	AQ	Ground Water	MONITOR WELL 3
T53031-4	05/17/10	11:25		05/20/10	AQ	Ground Water	MONITOR WELL 4
T53031-4D	05/17/10	11:25		05/20/10	AQ	Water Dup/MSD	MONITOR WELL 4 MSD
T53031-4S	05/17/10	11:25		05/20/10	AQ	Water Matrix Spike	MONITOR WELL 4 MS
T53031-5	05/17/10	13:05		05/20/10	AQ	Ground Water	MONITOR WELL 6
T53031-6	05/17/10	12:15		05/20/10	AQ	Ground Water	MONITOR WELL 7
T53031-7	05/17/10	00:00		05/20/10	AQ	Ground Water	DUP

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MONITOR WELL 1D		
Lab Sample ID:	T53031-1	Date Sampled:	05/17/10
Matrix:	AQ - Ground Water	Date Received:	05/20/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream Monument Booster Station/Lea County, NM		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X0061748.D	1	05/26/10	NM	n/a	n/a	VX567
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	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	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	86%		75-121%
2037-26-5	Toluene-D8	90%		87-119%
460-00-4	4-Bromofluorobenzene	86%		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:	MONITOR WELL 2		
Lab Sample ID:	T53031-2	Date Sampled:	05/17/10
Matrix:	AQ - Ground Water	Date Received:	05/20/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream Monument Booster Station/Lea County, NM		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X0061749.D	1	05/26/10	NM	n/a	n/a	VX567
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	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	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	86%		75-121%
2037-26-5	Toluene-D8	90%		87-119%
460-00-4	4-Bromofluorobenzene	85%		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:	MONITOR WELL 3		
Lab Sample ID:	T53031-3	Date Sampled:	05/17/10
Matrix:	AQ - Ground Water	Date Received:	05/20/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream Monument Booster Station/Lea County, NM		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X0061750.D	1	05/26/10	NM	n/a	n/a	VX567
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	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	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	89%		87-119%
460-00-4	4-Bromofluorobenzene	85%		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:	MONITOR WELL 4		
Lab Sample ID:	T53031-4	Date Sampled:	05/17/10
Matrix:	AQ - Ground Water	Date Received:	05/20/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream Monument Booster Station/Lea County, NM		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X0061767.D	1	05/26/10	NM	n/a	n/a	VX568
Run #2 [a]	X0061744.D	1	05/26/10	NM	n/a	n/a	VX567

	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	ND	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	95%	79-122%
17060-07-0	1,2-Dichloroethane-D4	88%	83%	75-121%
2037-26-5	Toluene-D8	90%	91%	87-119%
460-00-4	4-Bromofluorobenzene	84%	86%	80-133%

(a) Reported for QC purposes only.

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:	MONITOR WELL 6		
Lab Sample ID:	T53031-5	Date Sampled:	05/17/10
Matrix:	AQ - Ground Water	Date Received:	05/20/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream Monument Booster Station/Lea County, NM		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X0061751.D	1	05/26/10	NM	n/a	n/a	VX567
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	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0017	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	90%		87-119%
460-00-4	4-Bromofluorobenzene	85%		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:	MONITOR WELL 7		
Lab Sample ID:	T53031-6	Date Sampled:	05/17/10
Matrix:	AQ - Ground Water	Date Received:	05/20/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream Monument Booster Station/Lea County, NM		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X0061752.D	1	05/26/10	NM	n/a	n/a	VX567
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	0.0201	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	0.0095	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	0.0033	0.0060	0.0017	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		79-122%
17060-07-0	1,2-Dichloroethane-D4	86%		75-121%
2037-26-5	Toluene-D8	90%		87-119%
460-00-4	4-Bromofluorobenzene	85%		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:	DUP		
Lab Sample ID:	T53031-7	Date Sampled:	05/17/10
Matrix:	AQ - Ground Water	Date Received:	05/20/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: DCP Midstream Monument Booster Station/Lea County, NM		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X0061753.D	1	05/26/10	NM	n/a	n/a	VX567
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	0.0198	0.0020	0.00050	mg/l	
108-88-3	Toluene	ND	0.0020	0.00043	mg/l	
100-41-4	Ethylbenzene	0.0092	0.0020	0.00055	mg/l	
1330-20-7	Xylene (total)	0.0033	0.0060	0.0017	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		79-122%
17060-07-0	1,2-Dichloroethane-D4	87%		75-121%
2037-26-5	Toluene-D8	91%		87-119%
460-00-4	4-Bromofluorobenzene	86%		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

2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

FED-EX Tracking # | Bottle Order Control #

Accutest Quote # | Accutest Job # T53031

Client / Reporting Information

Company Name: DCP Midstream
Address: 370 Seventeenth St. Suite 2300
City: Denver | State: CO | Zip: 80202
Project Contact: Chandler Cole | CECole@dcpmidstream.com
Phone #: 303-605-1695
Sampler's Name: Rozanne Johnson (575)631-9310 rozanne@valornet.com

Project Information

Project Name: Monument Booster Station
Street:
City: | State:
Project #: DCP Monument Booster
Fax #: 303-605-1957
Client Purchase Order #:

Requested Analysis

8260 □ 624 □ 8021 □ 602 □ (8260) BTEX □ TBA □ NAP □ MTBE □
8260 □ 624 □ TCL □ PPL □ STARS □ MTBE □ TBA □ NAPL □ +10 □ +15 □
8270 □ 625 □ TCL □ PPL □ STARS □ ABN □ AEC □ BN □ PAH □ +TICs □

Matrix Codes

DW- Drinking Water
GW- Ground Water
WW- Water
SW- Surface Water
SO- Soil
SL-Sludge
OI-Oil
LIQ- Other Liquid
AIR- Air
SOL-Other Solid
WP-Wipe

Accutest Sample #	Field ID / Point of Collection	SUMMA # / MEOH Vial #	Collection Date	Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	H2SO4	H2SO4	NONE	NaHSO4	MEOH	ENCORE	LAB USE ONLY
1	Monitor Well 1d		5/17/2010	14:00	Rozanne	GW	3	X							X	
2	Monitor Well 2		5/17/2010	10:20	Rozanne	GW	3	X							X	
3	Monitor Well 3		5/17/2010	9:15	Rozanne	GW	3	X							X	
4	Monitor Well 4		5/17/2010	11:25	Rozanne	GW	3	X							X	
5	Monitor Well 6		5/17/2010	13:05	Rozanne	GW	3	X							X	
6	Monitor Well 7		5/17/2010	12:15	Rozanne	GW	3	X							X	
4	MS/MSD Monitor Well 4		5/17/2010	11:25	Rozanne	GW	6	X							X	
7	Dup		5/17/2010	0:00	Rozanne	GW	3	X							X	

Turnaround Time (Business days)

- [ ] Std. 15 Business Days — Approved By/ Date:
- [X] 10 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*
- [ ] Other

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A"
- [X] Commercial "B"
- [ ] NJ Reduced
- [ ] NJ Full
- [ ] Other
- [ ] FULL CLP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results Only

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	Rozanne Johnson	5/19/2010 16:16	1	2 FED EX	5/20/10 0915	2
3	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
4			3	4		4
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable ☐	On Ice: X Cooler Temp: 1.8°C

T53031: Chain of Custody
Page 1 of 3

SAMPLE INSPECTION FORM

Accutest Job Number: T53031 Client: DCP MIDSTREAM Date/Time Received: 5/20/10 0915

# of Coolers Received: 1 Thermometer #: 110 Temperature Adjustment Factor: -0.5°C

Cooler Temps: #1: 1.8°C #2: _____ #3: _____ #4: _____ #5: _____ #6: _____ #7: _____ #8: _____

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

Airbill Numbers: _____

COOLER INFORMATION

- [X] 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: Dan Smith 5/20/10

INFORMATION AND SAMPLE LABELING VERIFIED BY: _____

CORRECTIVE ACTIONS

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

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

Client Instructions:

I:\mwalker\form\samplemanagement

T53031: Chain of Custody
Page 2 of 3

SAMPLE RECEIPT LOG

JOB #: T53031 DATE/TIME RECEIVED: 5/20/10 0915

CLIENT: DCP MIDSTREAM INITIALS: IS

COOLER#	SAMPLE ID	FIELD ID	DATE	MATRIX	VOL	BOTTLE #	LOCATION	PRESERV	PH
1	1	MW-1D	5/17/10 1400	W	40ml	1-3	VR	1 (2) 3 4 5 6 7 8	<2 >12
↓	2	MW-2	1020	↓	↓	1-3	↓	1 (2) 3 4 5 6 7 8	<2 >12
	3	MW-3	915			1-3		1 (2) 3 4 5 6 7 8	<2 >12
	4	MW-4	1125			1-3		1 (2) 3 4 5 6 7 8	<2 >12
	↓	↓ -MS/MSD	↓			4-6		1 (2) 3 4 5 6 7 8	<2 >12
	↓	↓ "	↓			7-9		1 (2) 3 4 5 6 7 8	<2 >12
	5	MW-6	1305			1-3		1 (2) 3 4 5 6 7 8	<2 >12
	6	MW-7	1215			1-3		1 (2) 3 4 5 6 7 8	<2 >12
↓	7	DUP	↓ 0000	↓	↓	1-3	↓	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

IS 5/20/10

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

Rev 8/13/01 ewp

T53031: Chain of Custody
Page 3 of 3

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: T53031
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream Monument Booster Station/Lea County, NM

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX567-MB	X0061737.D	1	05/25/10	NM	n/a	n/a	VX567

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

T53031-1, T53031-2, T53031-3, T53031-4, T53031-5, T53031-6, T53031-7

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.55	ug/l	
108-88-3	Toluene	ND	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	79-122%
17060-07-0	1,2-Dichloroethane-D4	90%	75-121%
2037-26-5	Toluene-D8	90%	87-119%
460-00-4	4-Bromofluorobenzene	84%	80-133%

Method Blank Summary

Job Number: T53031
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream Monument Booster Station/Lea County, NM

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX568-MB	X0061766.D	1	05/26/10	NM	n/a	n/a	VX568

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

T53031-4

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.55	ug/l	
108-88-3	Toluene	ND	2.0	0.43	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.7	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	79-122%
17060-07-0	1,2-Dichloroethane-D4	88%	75-121%
2037-26-5	Toluene-D8	88%	87-119%
460-00-4	4-Bromofluorobenzene	83%	80-133%

Blank Spike Summary

Job Number: T53031
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream Monument Booster Station/Lea County, NM

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX567-BS	X0061735.D	1	05/25/10	NM	n/a	n/a	VX567

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

T53031-1, T53031-2, T53031-3, T53031-4, T53031-5, T53031-6, T53031-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	22.2	89	76-118
100-41-4	Ethylbenzene	25	22.7	91	75-112
108-88-3	Toluene	25	22.4	90	77-114
1330-20-7	Xylene (total)	75	68.9	92	75-111

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	79-122%
17060-07-0	1,2-Dichloroethane-D4	86%	75-121%
2037-26-5	Toluene-D8	90%	87-119%
460-00-4	4-Bromofluorobenzene	84%	80-133%

Blank Spike Summary

Job Number: T53031
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream Monument Booster Station/Lea County, NM

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX568-BS	X0061709.D	1	05/26/10	NM	n/a	n/a	VX568

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

T53031-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	22.3	89	76-118
100-41-4	Ethylbenzene	25	22.6	90	75-112
108-88-3	Toluene	25	22.3	89	77-114
1330-20-7	Xylene (total)	75	68.4	91	75-111

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	79-122%
17060-07-0	1,2-Dichloroethane-D4	84%	75-121%
2037-26-5	Toluene-D8	90%	87-119%
460-00-4	4-Bromofluorobenzene	84%	80-133%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T53031
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream Monument Booster Station/Lea County, NM

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T53031-4MS	X0061745.D	1	05/26/10	NM	n/a	n/a	VX567
T53031-4MSD	X0061746.D	1	05/26/10	NM	n/a	n/a	VX567
T53031-4 [a]	X0061744.D	1	05/26/10	NM	n/a	n/a	VX567

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

T53031-1, T53031-2, T53031-3, T53031-4, T53031-5, T53031-6, T53031-7

CAS No.	Compound	T53031-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	4.0		25	24.0	80	23.0	76	4	76-118/16
100-41-4	Ethylbenzene	0.79	J	25	23.3	90	22.8	88	2	75-112/12
108-88-3	Toluene	ND		25	23.3	93	22.6	90	3	77-114/12
1330-20-7	Xylene (total)	3.9	J	75	70.6	89	69.1	87	2	75-111/12

CAS No.	Surrogate Recoveries	MS	MSD	T53031-4	Limits
1868-53-7	Dibromofluoromethane	95%	95%	95%	79-122%
17060-07-0	1,2-Dichloroethane-D4	83%	84%	83%	75-121%
2037-26-5	Toluene-D8	92%	91%	91%	87-119%
460-00-4	4-Bromofluorobenzene	86%	88%	86%	80-133%

(a) Reported for QC purposes only.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T53031
Account: DUKE DCP Midstream, LLC
Project: AECCOLI: DCP Midstream Monument Booster Station/Lea County, NM

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T53103-13MS	X0061769.D	5	05/26/10	NM	n/a	n/a	VX568
T53103-13MSD	X0061770.D	5	05/26/10	NM	n/a	n/a	VX568
T53103-13	X0061768.D	5	05/26/10	NM	n/a	n/a	VX568

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

T53031-4

CAS No.	Compound	T53103-13 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	67.2		125	145	62*	139	57*	4	76-118/16
100-41-4	Ethylbenzene	ND		125	114	91	112	90	2	75-112/12
108-88-3	Toluene	308		125	258	-40* [a]	251	-46* [a]	3	77-114/12
1330-20-7	Xylene (total)	254		375	472	58*	462	55*	2	75-111/12

CAS No.	Surrogate Recoveries	MS	MSD	T53103-13	Limits
1868-53-7	Dibromofluoromethane	97%	97%	97%	79-122%
17060-07-0	1,2-Dichloroethane-D4	87%	84%	88%	75-121%
2037-26-5	Toluene-D8	90%	90%	89%	87-119%
460-00-4	4-Bromofluorobenzene	86%	86%	84%	80-133%

(a) Outside control limits due to high level in sample relative to spike amount.