

1R - 1728

REPORTS

DATE:



DCP Midstream
370 17th Street, Suite 2500
Denver, CO 80202
303-595-3334
303-605-2226 FAX

RECEIVED

2008 DEC 5 PM 3 45

December 3, 2008

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

**RE: 3rd Quarter 2008 Groundwater Monitoring Results
DCP Midstream, LP J-4-2 Pipeline Release (1RP-1728)
Unit C, Section 27, Township 19 South, Range 35 East
Lea County, New Mexico**

Dear Mr. Price:

DCP Midstream, LP (DCP) is pleased to submit for your review, a copy of the 3rd Quarter 2008 Groundwater Monitoring Results for the DCP J-4-2 Pipeline Release located in Lea County, New Mexico (Unit C, Section 27, Township 19 South, Range 35 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, PG
Principal Environmental Specialist

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

November 26, 2008

Mr. Stephen Weathers
DCP Midstream, LP
370 17th Street, Suite 2500
Denver, CO 80202

Re: Summary of the Third Quarter 2008 Groundwater Monitoring Results for the
DCP J-4-2 Pipeline Release in Lea County New Mexico (**IRP-1728**)
Unit C, Section 27 Township 19 South, Range 35 East

Dear Mr. Weathers:

This report summarizes the third quarter 2008 groundwater monitoring activities completed at the J-4-2 release location for DCP Midstream, LP. The site is located in the northeastern quarter of the northwestern quarter (Unit C) of Section 27, Township 19 South, Range 35 East approximately 3 miles south of the of intersection of US Highway 82 and State Highway 483 (Utah Junction) in Lea County New Mexico (Figure 1). The approximate coordinates are 32.647° north and 103.447° west.

The monitoring network includes the seven groundwater monitoring wells shown on Figure 2. Table 1 summarizes construction information for each well. Note that monitoring well MW-5 was not installed because of drilling refusal.

The area surrounding the release was an open excavation to an approximate depth of 10 feet when the monitoring was completed. The approximate excavation limits are shown on Figure 2. There was no visible hydrocarbon staining on the side walls or floor and there were no odors in the excavation. Wells MW-4 and MW-1 were intact and could be accessed by removing blank sections of the threaded PVC. Wells MW-2 and MW-3 were at ground surface approximately 5-to-10 feet south of the southern excavation boundary. Barricade fencing and tape was present around the excavation.

GROUNDWATER SAMPLING

Groundwater sampling was completed on September 17, 2008. The depth to water was measured in each well prior to conducting the purging and sampling activities. The calculated groundwater elevations for all monitoring episodes are summarized in Table 2.

FPH was measured at thicknesses of 0.08 feet (1 inch) in MW-1 and 0.02 feet (1/4 inch) in MW-2 using clear bailers. The historic FPH thickness values are summarized in Table 3. When present, the FPH is generally less than 1-inch thick.

Wells MW-3, MW-4, MW-5, MW-7 and MW-8 were purged and sampled using the standard protocols for this site using dedicated bailers. Purging continued until a minimum of three casing volumes of water was removed and the field parameters

temperature, pH and conductivity stabilized. MW-6 was obstructed at approximately 34 feet below ground surface. Two gallons (approximately one casing volume) of water were purged and the well was sampled. The well purging forms are attached. The affected purge water was disposed at the DCP Linam Ranch facility.

Unfiltered samples were collected upon stabilization using the dedicated bailers. All samples were placed in an ice-filled chest immediately upon collection and delivered to ACCUTEST Laboratories using standard chain-of-custody protocol. The samples were analyzed for benzene, toluene, ethylbenzene, total xylenes (BTEX), chlorides and total dissolved solids (TDS).

The laboratory report is attached. Table 4 provides the results of the matrix spike/matrix spike duplicate evaluation. The QA/QC evaluation included:

- The container temperature was 4.9 degrees centigrade when received at the lab.
- The method blanks and blank spikes were all within their respective control limits.
- All of the individual surrogate spikes were within their control limits.
- The matrix spike and matrix spike duplicate results from MW-6 were within the control limits for all four constituents.

The above information indicates that the data is suitable for use as routine monitoring data.

RESULTS AND INTERPRETATIONS

The results and interpretations presented below are based upon all of the data collected to date. The laboratory analyses for the September 2008 sampling episode are summarized in Table 5. Table 6 summarizes all of the organic data collected during this project.

Groundwater Flow

Figure 3 includes hydrographs for the corrected water-table elevations for all site wells excepting MW-1 and MW-2. The water table declined across the site.

The resulting September 2008 calculated groundwater contours as generated using the Surfer® program with the kriging option are shown on Figure 4. The water table exhibits a gradient to the southeast that is consistent with past monitoring events.

Groundwater Chemistry

Examination of Table 5 shows that none of the BTEX constituents were detected. The benzene concentrations are plotted on Figure 5 along with the wells where FPH was measured. Comparison of Figure 4 with Figure 5 demonstrates that any dissolved-phase BTEX constituents are attenuating below the method reporting limits within the study area.

It is also important to note that:

- The toluene, ethylbenzene and total xylenes concentrations have never exceeded the NMWQCC standards; and
- The BTEX constituents have not been detected in down-gradient wells MW-6, MW-7 and MW-8.

The New Mexico Water Quality Control Commission (NMWQCC) groundwater standards are reproduced at the top of Table 5. The constituents that exceed these standards are bolded. The secondary (non-health-based) standards for chlorides and TDS were exceeded in the five wells that were sampled.

CONCLUSIONS AND RECOMMENDATIONS

Based upon the data collected to date, AEC concludes that:

1. Groundwater flow remains constant toward the southeast;
2. The presence of dissolved phase BTEX constituents is limited to the original release area as defined by MW-1 and MW-2;
3. The dissolved-phase hydrocarbon plume associated with the DCP J-4-2 pipeline release is either stable or contracting;
4. The affected soils from the release area have been removed based on visual and olfactory observations.
5. The salts that are present in the groundwater did not originate from the DCP release. This conclusion is based upon two reasons. First, releases from these types of pipelines typically do not contain elevated chlorides or other salts. Second, and most importantly, the highest chlorides and TDS concentrations were measured in MW-3. MW-3 is upgradient from the DCP release based upon the consistent water table configuration measured over the duration of the project and the fact that the groundwater samples do not contain any detectable BTEX constituents.

Mr. Stephen Weathers
November 26, 2008
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AEC recommends continued quarterly groundwater monitoring to evaluate any effects produced by the open excavation. The next groundwater-monitoring event is scheduled for the fourth quarter of 2008.

Do not hesitate to contact me if you have any questions or comments on this letter.

Sincerely,
AMERICAN ENVIRONMENTAL CONSULTING, LLC

Michael H. Stewart

Michael H. Stewart, P.E., C.P.G.
Principal Engineer

TABLES

Table 1 -- Summary of Monitoring Well Completions at the J-4-2 Site

Name	Date Installed	Stickup	Casing Diameter (inches)	Total Depth (btoc)	Screen Interval (ground)	Sand Interval
MW-1	2/06	3.17	2	43.05	19-39	17-39
MW-2	2/06	3.08	4	43.30	19-39	17-39
MW-3	2/06	3.21	2	43.00	19-39	17-39
MW-4	9/06	3.12	2	38.12	20-35	18-35
MW-5	Not installed because of drilling refusal					
MW-6	9/06	3.32	2	38.32	20-35	18-35
MW-7	9/06	2.95	2	39.45	21.5-36.5	19.5-36.5
MW-8	9/06	3.32	2	38.32	20-35	18-35

All units are feet except as noted
 btoc: Below top of casing

Table 2 - Summary of Water Table Elevations for the J-4-2 Site

Well	2/15/06	9/25/06	12/21/06	3/14/07	6/26/07	9/25/07	11/30/07
MW-1	3713.61	3712.60	3712.63	3712.29	3712.15	3711.86	3712.42
MW-2	3713.93	3713.48	3712.49	3712.75	3712.63	3712.34	3712.91
MW-3	3713.36	3712.57	3712.57	3712.55	3712.79	3711.50	3712.09
MW-4		3712.80	3712.82	3712.78	3713.25	3712.98	3713.48
MW-6		3711.76	3712.00	3711.96	3711.87	3711.56	3711.92
MW-7		3711.03	3710.80	3710.73	3710.50	3709.87	3710.33
MW-8		3709.22	3708.95	3708.79	3708.54	3708.06	3708.33

Well	3/20/08	6/27/08	9/16/08
MW-1	3713.48	NM	NM
MW-2	3713.40	NM	NM
MW-3	3713.30	3713.09	3712.34
MW-4	3713.70	3713.13	3712.18
MW-6	3712.53	3712.20	3711.86
MW-7	3711.38	3710.95	3710.11
MW-8	3709.17	3708.78	3708.23

Units are feet

Blank cells: wells not installed

NM: Not measured because of probe malfunction. Measured using bailer

Table 3 - Summary of Free Phase Hydrocarbon Thickness Values for MW-1 and MW-2

Date	MW-1	MW-2
02/15/06	0.00	0.57
09/25/06	0.00	0.15
12/21/06	0.09	0.13
03/14/07	0.07	0.10
06/26/07	0.09	0.00
09/25/07	0.09	0.03
11/30/07	0.00	0.00
03/20/08	0.00	0.00
06/27/08	0.04	0.01
09/16/08	0.08	0.02

Units are feet

Table 4 - Quality Assurance Evaluation for the September 2008 Data

MW-6 Matrix Spike and Matrix Spike Duplicate Results

	Benzene	Toluene	Ethylbenzene	Total Xylenes	Chlorides
MS	108	108	106	103	99.4
MSD	106	105	102	102	

Units are percent recovery

MS: matrix spike

MSD: matrix spike duplicate

Table 5 - Summary of September 2008 Groundwater Sampling Results

Well	Benzene	Toluene	Ethyl benzene	Total Xylene	Chlorides	Total Dissolved Solids
NMWQCC Groundwater Standard	0.01	0.75	0.75	0.62	250*	1,000*
MW-1	FPH	FPH	FPH	FPH	FPH	FPH
MW-2	FPH	FPH	FPH	FPH	FPH	FPH
MW-3	<0.002	<0.002	<0.002	<0.006	4,070	9,030
MW-4	<0.002	<0.002	<0.002	<0.006	1,440	4,570
MW-6	<0.002	<0.002	<0.002	<0.006	537	1,650
MW-7	<0.002	<0.002	<0.002	<0.006	1,180	3,730
MW-8	<0.002	<0.002	<0.002	<0.006	735	1,990

Notes: Units are mg/l,

MW-5 was not installed because of drilling refusal

FPH well not sampled, free phase hydrocarbons present

* Secondary (aesthetics) rather than primary (health-based) standards.

NMWQCC: New Mexico Water Quality Control Commission

Values above the NMWQCC standard are highlighted as bold text.

Table 6 – Summary of Organic Groundwater Data

Well	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-1	2/06	0.139	0.326	0.34	0.31
	9/06	0.0418	0.0048	0.0247	0.0605
Dup	9/06	0.0555	0.0068	0.032	0.0782
	12/06	FPH	FPH	FPH	FPH
	3/07	FPH	FPH	FPH	FPH
	6/07	FPH	FPH	FPH	FPH
	9/07	0.0114	0.0029	0.0035	0.0978
	11/07	0.107	0.0243	0.0401	0.39
	3/08	0.042	0.0186	0.0177	0.260
Dup	3/08	0.031	0.0123	0.0107	0.170
MW-2	6/07	0.0262	0.0382	0.0404	0.335
	9/07	0.0045	<0.001	0.0027	0.0471
	11/07	0.006	0.0033	0.0025	0.0613
Dup	11/07	0.0062	0.003	0.0023	0.0577
	3/08	0.188	0.0062	0.0262	0.125
MW-3	2/06	<0.001	<0.001	<0.001	<0.002
	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
Dup	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	0.0029	0.0053	0.0015	0.0097
Dup	6/07	<0.001	<0.001	<0.001	<0.001
	9/07	<0.001	<0.001	<0.001	<0.001
Dup	9/07	<0.001	<0.001	<0.001	<0.001
	11/07	0.0011J	<0.002	<0.002	<0.006
	3/08	<0.002	<0.002	<0.002	<0.006
	6/08	<0.002	<0.002	<0.002	<0.006
Dup	6/08	<0.002	<0.002	<0.002	0.0072
	9/08	<0.002	<0.002	<0.002	<0.006
MW-4	9/06	0.0086	0.00093J	0.0092	0.0061
	12/06	0.0295	0.0058	<0.002	0.0075
Dup	12/06	0.0207	0.004	<0.002	0.0054
	3/07	0.0044	0.0006	<0.002	0.0032
	6/07	<0.001	<0.001	<0.001	0.0025
	9/07	<0.001	<0.001	<0.001	<0.001
	11/07	<0.002	<0.002	<0.002	<0.006
	3/08	<0.002	<0.002	<0.002	<0.006
	6/08	<0.002	<0.002	<0.002	<0.006
	9/08	<0.002	<0.002	<0.002	0.0041J

Notes: Units are mg/l,
 MW-5 was not installed
 J modifiers are not included in this table

Table 6 – Summary of Organic Groundwater Data (continued)

Well	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-6	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	<0.001	<0.001	<0.001	<0.001
	9/07	<0.001	<0.001	<0.001	<0.001
	11/07	<0.002	<0.002	<0.002	<0.006
	3/08	<0.002	<0.002	<0.002	<0.006
	6/08	<0.002	<0.002	<0.002	<0.006
	9/08	<0.002	<0.002	<0.002	<0.006
MW-7	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	<0.001	<0.001	<0.001	0.0027
	9/07	<0.001	<0.001	<0.001	<0.001
	11/07	<0.002	<0.002	<0.002	<0.006
	3/08	<0.002	<0.002	<0.002	<0.006
	6/08	<0.002	<0.002	<0.002	<0.006
	9/08	<0.002	<0.002	<0.002	<0.006
MW-8	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	<0.001	<0.001	<0.001	<0.001
	9/07	<0.001	<0.001	<0.001	<0.001
	11/07	<0.002	<0.002	<0.002	<0.006
	3/08	<0.002	<0.002	<0.002	<0.006
	6/08	<0.002	<0.002	<0.002	<0.006
	9/08	<0.002	<0.002	<0.002	<0.006

Notes: Units are mg/l,
 J modifiers are not included in this table

FIGURES

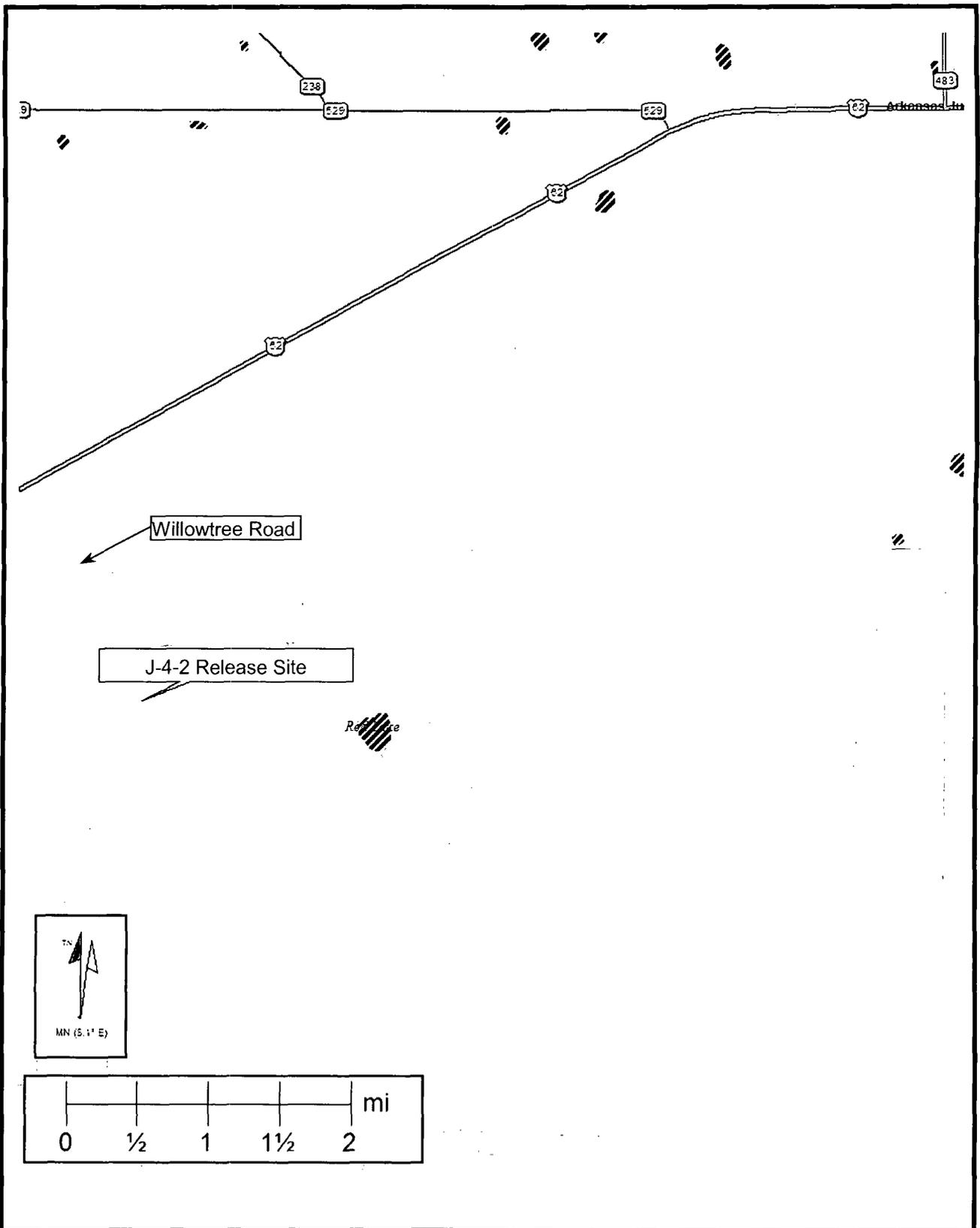


Figure 1 – Site Location
 J-4-2 Groundwater Monitoring



DRAWN BY: MHS
REVISED:
DATE: 5/06



Figure 2 - Site Details and Limit of Affected Materials Excavation

J-4-2 Groundwater Monitoring	
dsp Midstream.	
DRAWN BY: MHS	DATE: 10/08

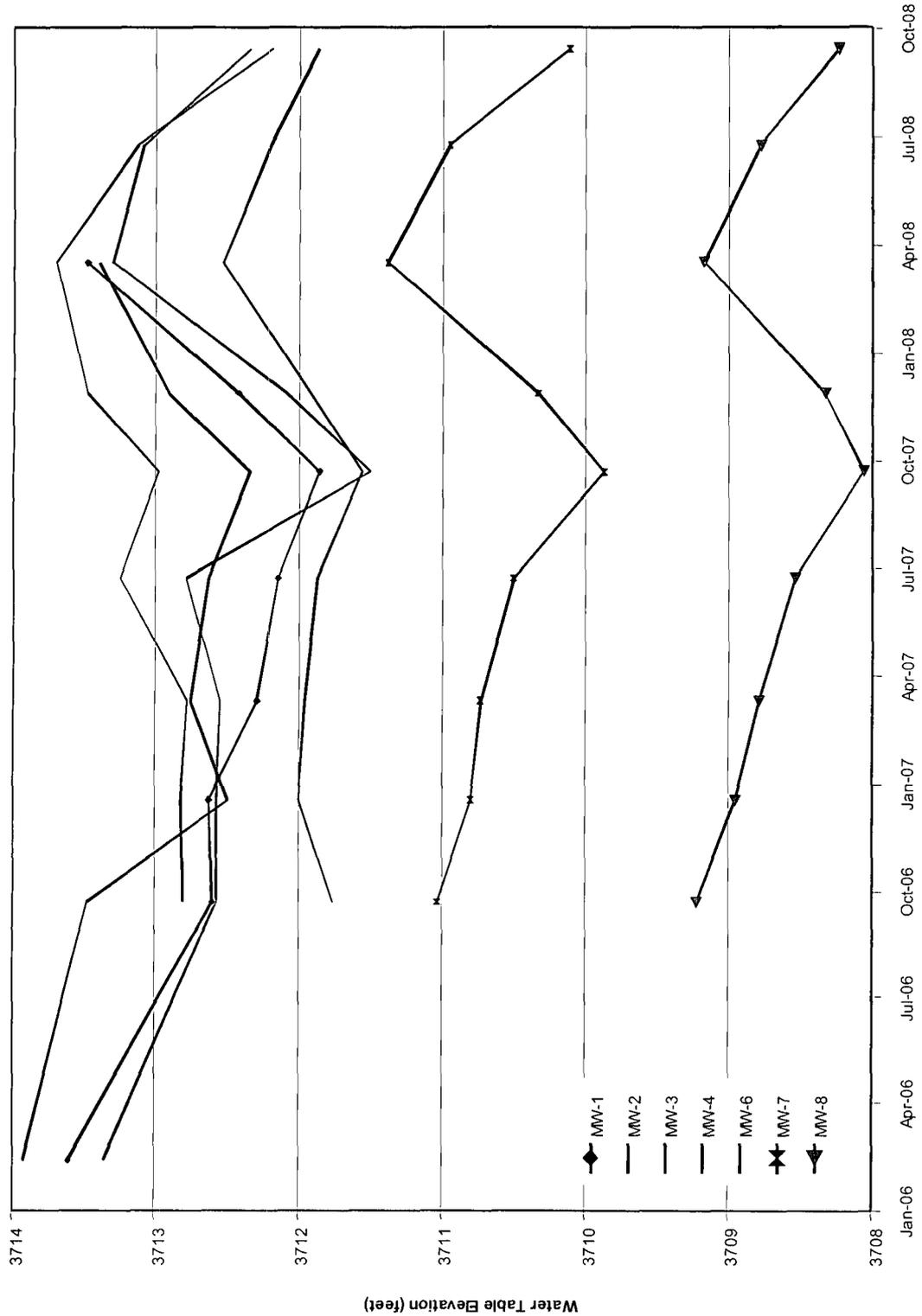


Figure 3 – Monitoring Well Hydrographs

J-4-2 Groundwater Monitoring
dsp Midstream
 DRAWN BY: MHS
 DATE: 10/08

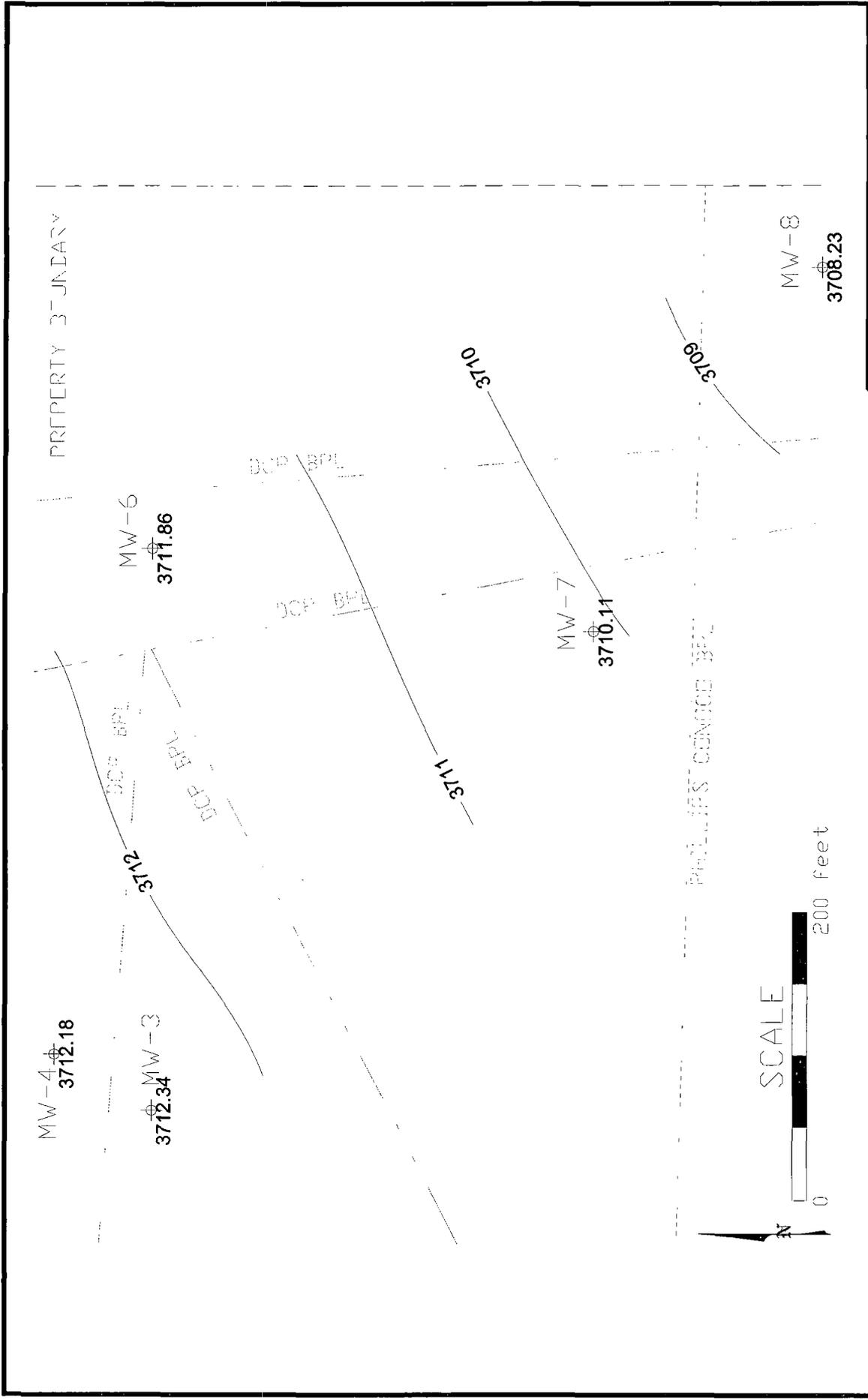


Figure 4 – September 2008 Water Table

J-4-2 Groundwater Monitoring	
dgp Midstream.	DRAWN BY: MHS DATE: 10/08

Contour interval is 1 foot

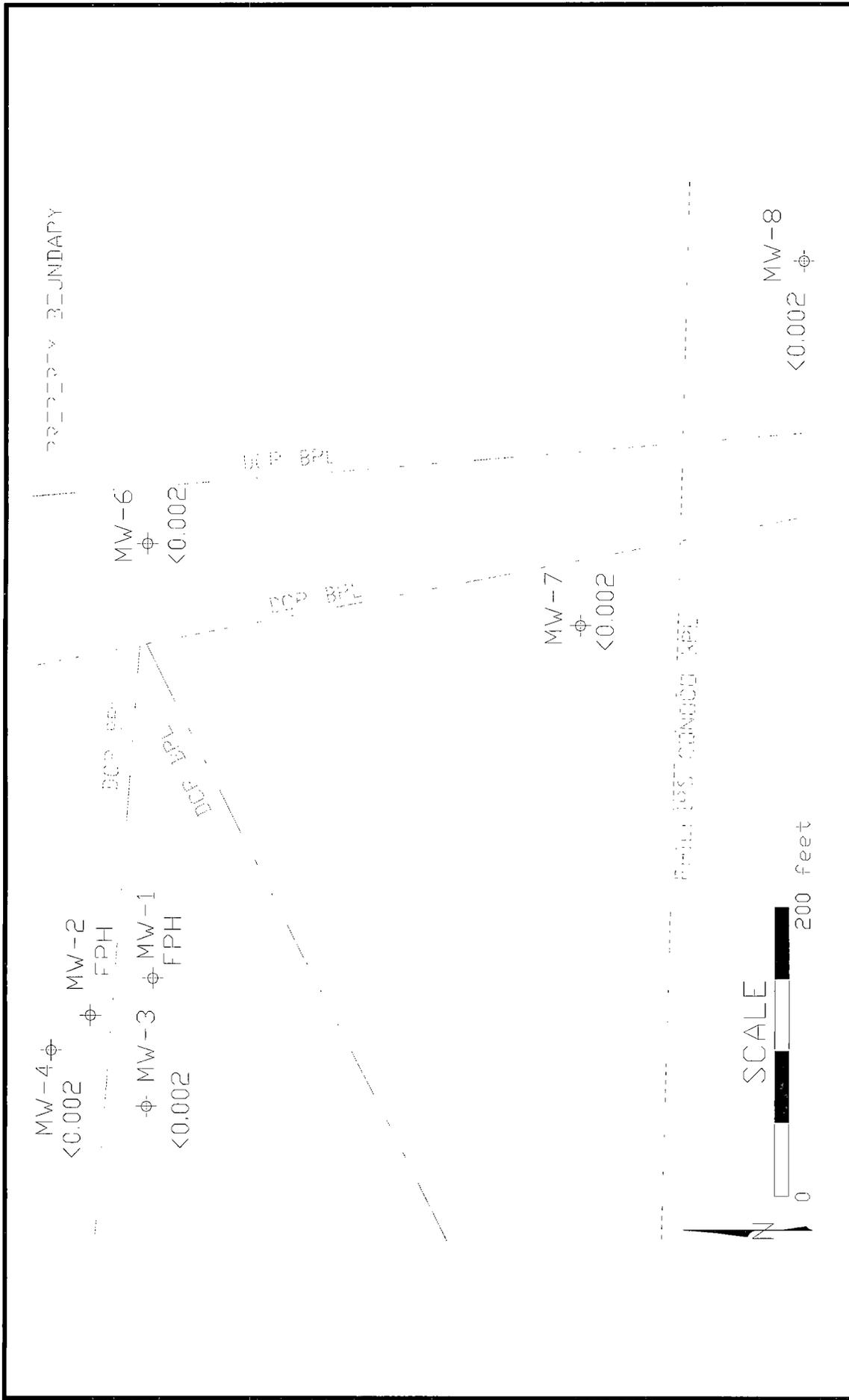


Figure 5 – September 2008 Benzene Results

J-4-2 Groundwater Monitoring	
dsp Midstream	DRAWN BY: MHS DATE: 10/08

Units are mg/l
FPH: free phase hydrocarbons

**WELL SAMPLING DATA
AND LABORATORY ANALYTICAL REPORT**

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-3
 SITE NAME: J42 (Pipeline Leak) DATE: 9/16/2008
 PROJECT NO. _____ SAMPLER: M. Stewart/A. Taylor

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

TOTAL DEPTH OF WELL: 43.00 Feet

DEPTH TO WATER: 27.05 Feet

HEIGHT OF WATER COLUMN: 15.95 Feet

WELL DIAMETER: 2.0 Inch

7.8 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °F	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
	2.6	67.9	1.66	7.50			
	5.2	67.6	7.34	7.44			
	7.8	67.3	8.21	7.49			
:Total Time (hr:min)		7.8		:Total Vol (gal)		:Flow Rate (gal/min)	

SAMPLE NO.: Collected Sample No.: MW-3

ANALYSES: BTEX, chlorides, total dissolved solids

COMMENTS: Collected duplicate sample

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-4
 SITE NAME: J42 (Pipeline Leak) DATE: 9/16/2008
 PROJECT NO. _____ SAMPLER: M. Stewart/A. Taylor

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

TOTAL DEPTH OF WELL: 38.12 Feet

DEPTH TO WATER: 28.06 Feet

HEIGHT OF WATER COLUMN: 10.06 Feet

WELL DIAMETER: 2.0 Inch

4.9 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °F	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.7	72.3	4.06	7.71			Begin Hand Bailing
	3.4	69.4	4.02	7.68			
	5.1	69.4	4.00	7.73			
:Total Time (hr:min)		5.1		:Total Vol (gal)		:Flow Rate (gal/min)	

SAMPLE NO.: Collected Sample No.: MW-4

ANALYSES: BTEX, chlorides, total dissolved solids

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-6
 SITE NAME: J42 (Pipeline Leak) DATE: 9/16/2008
 PROJECT NO. _____ SAMPLER: M. Stewart/A. Taylor

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

TOTAL DEPTH OF WELL: 38.32 Feet

DEPTH TO WATER: 28.10 Feet

HEIGHT OF WATER COLUMN: 10.22 Feet

WELL DIAMETER: 2.0 Inch

5.0 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °F	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
	2.0	67.5	1.69	7.68			
:Total Time (hr:min)		2		:Total Vol (gal)		:Flow Rate (gal/min)	

SAMPLE NO.: Collected Sample No.: MW-6

ANALYSES: BTEX, chlorides, total dissolved solids

COMMENTS: Obstruction at 34 feet. Bailed 2 gallons and sampled, collected MS/MSD sample

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-7
 SITE NAME: J42 (Pipeline Leak) DATE: 9/16/2008
 PROJECT NO. _____ SAMPLER: M. Stewart/A. Taylor

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

TOTAL DEPTH OF WELL: 39.45 Feet
 DEPTH TO WATER: 30.62 Feet
 HEIGHT OF WATER COLUMN: 8.83 Feet
 WELL DIAMETER: 2.0 Inch

4.3 Minimum Gallons to
 purge 3 well volumes
 (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °F	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.5	67.5	1.36	7.54			Begin Hand Bailing
	3.0	67.2	1.35	7.58			
	4.5	67.0	1.36	7.56			
:Total Time (hr:min)		4.5		:Total Vol (gal)		:Flow Rate (gal/min)	

SAMPLE NO.: Collected Sample No.: MW-7
 ANALYSES: BTEX, chlorides, total dissolved solids
 COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-8
 SITE NAME: J42 (Pipeline Leak) DATE: 9/16/2008
 PROJECT NO. _____ SAMPLER: M. Stewart/A. Taylor

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

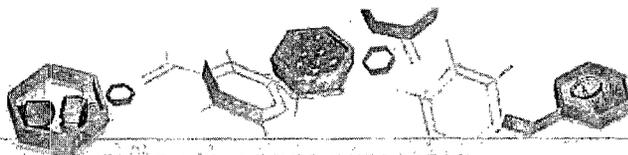
Gloves Alconox Distilled Water Rinse Other: _____

TOTAL DEPTH OF WELL: 38.32 Feet
 DEPTH TO WATER: 29.04 Feet
 HEIGHT OF WATER COLUMN: 9.28 Feet
 WELL DIAMETER: 2.0 Inch

4.5 Minimum Gallons to
 purge 3 well volumes
 (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °F	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.5	68.5	1.87	7.63			Began Hand Bailing
	3.0	67.3	1.86	7.61			
	4.5	67.6	1.85	7.67			
:Total Time (hr:min)		4.5		:Total Vol (gal)		:Flow Rate (gal/min)	

SAMPLE NO.: Collected Sample No.: MW-8
 ANALYSES: BTEX, chlorides, total dissolved solids
 COMMENTS: _____



IT'S ALL IN THE CHEMISTRY

10/01/08

Technical Report for

American Environmental Consulting

DCP Midstream- J42 Pipeline

Accutest Job Number: T23912

Sampling Date: 09/16/08



Report to:

American Environmental Consulting
6885 S. Marshall Suite 3
Littleton, CO 80439
mstewart@aecdenver.com

ATTN: Mike Stewart

Total number of pages in report: 26



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

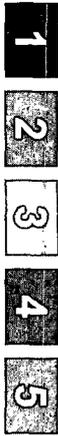
Client Service contact: Agnes Vicknair 713-271-4700

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

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

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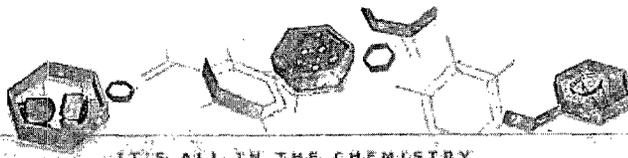
Sample Summary

American Environmental Consulting

Job No: T23912

DCP Midstream- J42 Pipeline

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
T23912-1	09/16/08	17:50 AC	09/23/08	AQ	Ground Water	MW-3
T23912-2	09/16/08	18:30 AC	09/23/08	AQ	Ground Water	MW-4
T23912-3	09/16/08	17:30 AC	09/23/08	AQ	Ground Water	MW-6
T23912-4	09/16/08	17:10 AC	09/23/08	AQ	Ground Water	MW-7
T23912-5	09/16/08	17:00 AC	09/23/08	AQ	Ground Water	MW-8



Sample Results

Report of Analysis

Report of Analysis

2.1
2

Client Sample ID: MW-3	Date Sampled: 09/16/08
Lab Sample ID: T23912-1	Date Received: 09/23/08
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: DCP Midstream- J42 Pipeline	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y0026990.D	1	09/28/08	JL	n/a	n/a	VY1897
Run #2							

Run #	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	95%		73-126%
17060-07-0	1,2-Dichloroethane-D4	114%		61-136%
2037-26-5	Toluene-D8	112%		80-125%
460-00-4	4-Bromofluorobenzene	122%		65-147%

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:	MW-3	Date Sampled:	09/16/08
Lab Sample ID:	T23912-1	Date Received:	09/23/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	DCP Midstream- J42 Pipeline		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chloride	4070	100	0.18	mg/l	10	09/26/08 10:00	SS	SM 4500 CL C
Solids, Total Dissolved	9030	100	3.6	mg/l	10	09/24/08 10:00	SS	SM 2540C

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result >= SDL but < MQL



Report of Analysis

Client Sample ID:	MW-4	Date Sampled:	09/16/08
Lab Sample ID:	T23912-2	Date Received:	09/23/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	DCP Midstream- J42 Pipeline		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y0026991.D	1	09/28/08	JL	n/a	n/a	VY1897
Run #2							

Run #	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	95%		73-126%
17060-07-0	1,2-Dichloroethane-D4	114%		61-136%
2037-26-5	Toluene-D8	109%		80-125%
460-00-4	4-Bromofluorobenzene	114%		65-147%

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:	MW-4	Date Sampled:	09/16/08
Lab Sample ID:	T23912-2	Date Received:	09/23/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	DCP Midstream- J42 Pipeline		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chloride	1440	10	0.18	mg/l	10	09/26/08 10:00	SS	SM 4500 CL C
Solids, Total Dissolved	4570	40	3.6	mg/l	4	09/24/08 10:00	SS	SM 2540C

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result >= SDL but < MQL

Report of Analysis

Client Sample ID:	MW-6	Date Sampled:	09/16/08
Lab Sample ID:	T23912-3	Date Received:	09/23/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	DCP Midstream- J42 Pipeline		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y0026992.D	1	09/28/08	JL	n/a	n/a	VY1897
Run #2							

Run #	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%		73-126%
17060-07-0	1,2-Dichloroethane-D4	115%		61-136%
2037-26-5	Toluene-D8	112%		80-125%
460-00-4	4-Bromofluorobenzene	117%		65-147%

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: MW-6	Date Sampled: 09/16/08
Lab Sample ID: T23912-3	Date Received: 09/23/08
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: DCP Midstream- J42 Pipeline	

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chloride	537	10	0.18	mg/l	10	09/26/08 10:00	SS	SM 4500 CL C
Solids, Total Dissolved	1650	10	3.6	mg/l	1	09/24/08 10:00	SS	SM 2540C

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result >= SDL but < MQL

Report of Analysis

2.4
2

Client Sample ID: MW-7	
Lab Sample ID: T23912-4	Date Sampled: 09/16/08
Matrix: AQ - Ground Water	Date Received: 09/23/08
Method: SW846 8260B	Percent Solids: n/a
Project: DCP Midstream- J42 Pipeline	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y0026993.D	1	09/28/08	JL	n/a	n/a	VY1897
Run #2							

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

Purgeable Aromatics

CAS No.	Compound	Result	MLQ	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%		73-126%
17060-07-0	1,2-Dichloroethane-D4	113%		61-136%
2037-26-5	Toluene-D8	112%		80-125%
460-00-4	4-Bromofluorobenzene	117%		65-147%

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

Report of Analysis

2.4
2

Client Sample ID: MW-7	Date Sampled: 09/16/08
Lab Sample ID: T23912-4	Date Received: 09/23/08
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: DCP Midstream- J42 Pipeline	

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chloride	1180	10	0.18	mg/l	10	09/26/08 10:00	SS	SM 4500 CL C
Solids, Total Dissolved	3730	20	3.6	mg/l	2	09/24/08 10:00	SS	SM 2540C

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

Report of Analysis

Client Sample ID:	MW-8	Date Sampled:	09/16/08
Lab Sample ID:	T23912-5	Date Received:	09/23/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	DCP Midstream- J42 Pipeline		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y0026994.D	1	09/28/08	JL	n/a	n/a	VY1897
Run #2							

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

Purgeable Aromatics

CAS No.	Compound	Result	MLQ	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%		73-126%
17060-07-0	1,2-Dichloroethane-D4	114%		61-136%
2037-26-5	Toluene-D8	112%		80-125%
460-00-4	4-Bromofluorobenzene	116%		65-147%

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

Report of Analysis

2.5
2

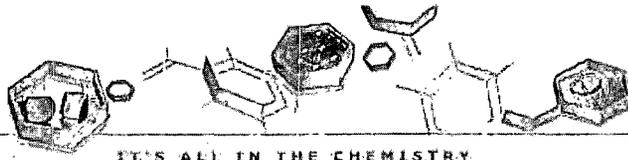
Client Sample ID:	MW-8	Date Sampled:	09/16/08
Lab Sample ID:	T23912-5	Date Received:	09/23/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	DCP Midstream- J42 Pipeline		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chloride	735	10	0.18	mg/l	10	09/26/08 10:00	SS	SM 4500 CL C
Solids, Total Dissolved	1990	10	3.6	mg/l	1	09/24/08 10:00	SS	SM 2540C

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result >= SDL but < MQL



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SAMPLE INSPECTION FORM

Accutest Job Number: T23912 Client: DXP MIDSTREAM Project: DXP MIDSTREAM J#2
 Date/Time Received: 9.23.09 7:20 # of Coolers Received: 1 Thermometer # 110
 Cooler Temps: #1: 4.9 #2: _____ #3: _____ #4: _____ #5: _____ #6: _____ #7: _____ #8: _____
 Method of Delivery: FEDEX UPS Accutest Courier Greyhound Delivery Other
 Airbill Numbers: 8643-7451-5025

- 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 recd 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:

Sample MW-1 was not received / but did get a 1000ml for Chloride which is an analysis on chain but the number of bottles sent flight got 4 bottles for each sample but on chain it says 3.

TECHNICIAN SIGNATURE/DATE: Van Tittel 9.23.09

INFORMATION AND SAMPLE LABELING VERIFIED BY: [Signature]

♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ **CORRECTIVE ACTIONS** ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦

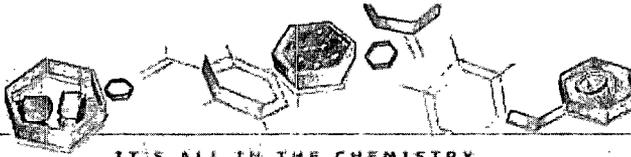
Client Representative Notified: _____ Date: _____

By Accutest Representative: _____ Via: Phone Email

Client Instructions:

i:\walker\forms\samplemanagement

3.1
25



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: T23912
Account: AECCOLI American Environmental Consulting
Project: DCP Midstream- J42 Pipeline

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY1897-MB	Y0026987.D	1	09/28/08	JL	n/a	n/a	VY1897

4.1
4

The QC reported here applies to the following samples:

Method: SW846 8260B

T23912-1, T23912-2, T23912-3, T23912-4, T23912-5

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	91% 73-126%
17060-07-0	1,2-Dichloroethane-D4	106% 61-136%
2037-26-5	Toluene-D8	107% 80-125%
460-00-4	4-Bromofluorobenzene	113% 65-147%

Blank Spike Summary

Job Number: T23912
Account: AECCOLI American Environmental Consulting
Project: DCP Midstream- J42 Pipeline

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY1897-BS	Y0026985.D	1	09/28/08	JL	n/a	n/a	VY1897

4.2
4

The QC reported here applies to the following samples:

Method: SW846 8260B

T23912-1, T23912-2, T23912-3, T23912-4, T23912-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	23.9	96	41-145
100-41-4	Ethylbenzene	25	24.8	99	49-135
108-88-3	Toluene	25	24.6	98	66-128
1330-20-7	Xylene (total)	75	73.3	98	67-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	86%	73-126%
17060-07-0	1,2-Dichloroethane-D4	95%	61-136%
2037-26-5	Toluene-D8	103%	80-125%
460-00-4	4-Bromofluorobenzene	107%	65-147%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T23912
 Account: AECCOLI American Environmental Consulting
 Project: DCP Midstream- J42 Pipeline

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T23912-3MS	Y0026995.D	1	09/28/08	JL	n/a	n/a	VY1897
T23912-3MSD	Y0026996.D	1	09/28/08	JL	n/a	n/a	VY1897
T23912-3	Y0026992.D	1	09/28/08	JL	n/a	n/a	VY1897

4.3
4

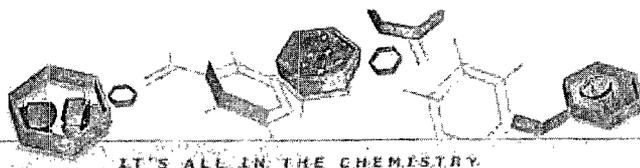
The QC reported here applies to the following samples:

Method: SW846 8260B

T23912-1, T23912-2, T23912-3, T23912-4, T23912-5

CAS No.	Compound	T23912-3 ug/l	Spike Q ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	2.0 U	25	27.0	108	26.5	106	2	60-131/12
100-41-4	Ethylbenzene	2.0 U	25	26.9	108	26.2	105	3	58-127/13
108-88-3	Toluene	2.0 U	25	26.4	106	25.6	102	3	67-123/11
1330-20-7	Xylene (total)	6.0 U	75	78.5	105	76.5	102	3	62-125/14

CAS No.	Surrogate Recoveries	MS	MSD	T23912-3	Limits
1868-53-7	Dibromofluoromethane	103%	102%	96%	73-126%
17060-07-0	1,2-Dichloroethane-D4	121%	122%	115%	61-136%
2037-26-5	Toluene-D8	119%	118%	112%	80-125%
460-00-4	4-Bromofluorobenzene	124%	121%	117%	65-147%



General Chemistry



QC Data Summaries

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T23912
Account: AECCOLI - American Environmental Consulting
Project: DCP Midstream- J42 Pipeline

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP5725/GN15116	1.0	<1.0	mg/l	1000	994	99.4	92-107%
Solids, Total Dissolved	GN15105	10	<10	mg/l				

Associated Samples:

Batch GN15105: T23912-1, T23912-2, T23912-3, T23912-4, T23912-5
Batch GP5725: T23912-1, T23912-2, T23912-3, T23912-4, T23912-5

(*) Outside of QC limits

5.1



DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T23912
Account: AECCOLI - American Environmental Consulting
Project: DCP Midstream- J42 Pipeline

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chloride	GP5725/GN15116	T23909-2	mg/l	373	378	1.3	0-5%
Solids, Total Dissolved	GN15105	T23925-1	mg/l	354	347	2.0	0-15%

Associated Samples:

Batch GN15105: T23912-1, T23912-2, T23912-3, T23912-4, T23912-5

Batch GP5725: T23912-1, T23912-2, T23912-3, T23912-4, T23912-5

(*) Outside of QC limits

5.2



MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T23912
Account: AECCOLI - American Environmental Consulting
Project: DCP Midstream- J42 Pipeline

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP5725/GN15116	T23909-2	mg/l	373	10	388	99.4	81-119%

Associated Samples:

Batch GP5725: T23912-1, T23912-2, T23912-3, T23912-4, T23912-5

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

5.3





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

RECEIVED

2008 AUG 29 AM 11 10

August 26, 2008

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

**RE: 2nd Quarter 2008 Groundwater Monitoring Results
DCP Midstream, LP J-4-2 Pipeline Release (1RP-1728)
Unit C, Section 27, Township 19 South, Range 35 East
Lea County, New Mexico**

Dear Mr. Price:

DCP Midstream, LP (DCP) is pleased to submit for your review, a copy of the 2nd Quarter 2008 Groundwater Monitoring Results for the DCP J-4-2 Pipeline Release located in Lea County, New Mexico (Unit C, Section 27, Township 19 South, Range 35 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, PG
Sr. Environmental Specialist

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

2008 AUG 29 AM 11 10
RECEIVED

August 21, 2008

Mr. Stephen Weathers
DCP Midstream, LP
370 17th Street, Suite 2500
Denver, CO 80202

Re: Summary of the Second Quarter 2008 Groundwater Monitoring Results for the
DCP J-4-2 Pipeline Release in Lea County New Mexico (**IRP-1728**)
Unit C, Section 27 Township 19 South, Range 35 East

Dear Mr. Weathers:

This report summarizes the second quarter 2008 groundwater monitoring activities completed at the J-4-2 release location for DCP Midstream, LP. The site is located in the northeastern quarter of the northwestern quarter (Unit C) of Section 27, Township 19 South, Range 35 East approximately 3 miles south of the intersection of US Highway 82 and State Highway 483 (Utah Junction) in Lea County New Mexico (Figure 1). The approximate coordinates are 32.647° north and 103.447° west.

The monitoring network includes the seven groundwater monitoring wells shown on Figure 2. Table 1 summarizes construction information for each well. Note that monitoring well MW-5 was not installed because of drilling refusal.

GROUNDWATER SAMPLING

Groundwater sampling was completed on June 27, 2008. The depth to water was measured in each well prior to conducting the purging and sampling activities. The calculated groundwater elevations for all monitoring episodes are summarized in Table 2.

FPH was measured at thicknesses of 0.04 feet (1/2 inch) in MW-1 and 0.01 feet (1/8 inch) in MW-2. The historic FPH thickness values are summarized in Table 3. When present, the FPH is generally less than 1-inch thick.

Wells MW-3 through MW-8 were purged and sampled using the standard protocols for this site using dedicated bailers. Purging continued until a minimum of three casing volumes of water was removed and the field parameters temperature, pH and conductivity stabilized. The well purging forms are attached. The affected purge water was disposed at the DCP Linam Ranch facility.

Unfiltered samples were collected upon stabilization using the dedicated bailers. All samples were placed in an ice-filled chest immediately upon collection and delivered to ACCUTEST Laboratories using standard chain-of-custody protocol. The samples were analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX).

The laboratory analyses for the sampling episode are summarized in Table 4. The laboratory report is attached. Table 5 provides the quality assurance/quality control (QA/QC) information. The QA/QC evaluation includes:

- The container temperature was 2.1 degrees centigrade when received at the lab.
- All of the individual surrogate spikes were within their control limits.
- The benzene, toluene and ethylbenzene relative percentage difference (RPD) values for the MW-3 duplicates were not evaluated because they were below the method detection limits. The xylene RPD of 54.9 percent results from one value measured at the method reporting limit while the other value was below it.
- The matrix spike and matrix spike duplicate results from MW-6 were within the control limits for all four constituents.

The above information indicates that the data is suitable for use as routine monitoring data.

RESULTS AND INTERPRETATIONS

The results and interpretations presented below are based upon all of the data collected to date.

Groundwater Flow

Figure 3 includes hydrographs for the corrected water-table elevations for all site wells excepting MW-1 and MW-2. The water table declined uniformly across the site.

The resulting June 2008 calculated groundwater contours as generated using the Surfer® program with the kriging option are shown on Figure 4. The water table exhibits a gradient to the southeast that is consistent with past monitoring events.

Groundwater Chemistry

The June 2008 data is summarized in Table 4. The New Mexico Water Quality Control Commission (NMWQCC) groundwater standards are reproduced at the top of the table. Any constituents that exceed these standards are bolded. Examination of Table 4 shows that none of the BTEX constituents exceeded the standards in the wells that were sampled.

The data for all of the organic constituents are summarized in Table 6. Examination of Table 6 indicates the following:

- The toluene, ethylbenzene and total xylenes concentrations have never exceeded the NMWQCC standards.
- The BTEX constituents have never been detected in down-gradient wells MW-6, MW-7 and MW-8.

CONCLUSIONS AND RECOMMENDATIONS

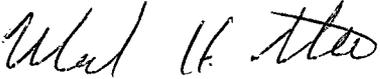
Based upon the data collected to date, AEC concludes that:

1. Groundwater flow remains constant toward the southeast;
2. The presence of dissolved phase BTEX constituents is limited to the original release area as defined by MW-1 and MW-2;
3. The dissolved-phase hydrocarbon plume associated with the DCP J-4-2 pipeline release is either stable or contracting;
4. The conductivity values remain the highest in MW-3. This well is minimally impacted at best by the DCP release so the probable source of the salts lies upgradient.

AEC recommends continued quarterly groundwater monitoring. AEC also recommends the collection of samples for chloride and total dissolved solids evaluation during the next quarter.

The next groundwater-monitoring event is scheduled for the third quarter of 2008. Do not hesitate to contact me if you have any questions or comments on this letter.

Sincerely,
AMERICAN ENVIRONMENTAL CONSULTING, LLC


Michael H. Stewart, P.E., C.P.G.
Principal Engineer

MHS/tbm
attachments

TABLES

Table 1 – Summary of Monitoring Well Completions at the J-4-2 Site

Name	Date Installed	Stickup	Casing Diameter (inches)	Total Depth (btoc)	Screen Interval (ground)	Sand Interval
MW-1	2/06	3.17	2	43.05	19-39	17-39
MW-2	2/06	3.08	4	43.30	19-39	17-39
MW-3	2/06	3.21	2	43.00	19-39	17-39
MW-4	9/06	3.12	2	38.12	20-35	18-35
MW-5	Not installed because of drilling refusal					
MW-6	9/06	3.32	2	38.32	20-35	18-35
MW-7	9/06	2.95	2	39.45	21.5-36.5	19.5-36.5
MW-8	9/06	3.32	2	38.32	20-35	18-35

All units are feet except as noted
 btoc: Below top of casing

Table 2 - Summary of Water Table Elevations for the J-4-2 Site

	2/15/06	9/25/06	12/21/06	3/14/07	6/26/07	9/25/07	11/30/07
MW-1	3713.61	3712.60	3712.63	3712.29	3712.15	3711.86	3712.42
MW-2	3713.93	3713.48	3712.49	3712.75	3712.63	3712.34	3712.91
MW-3	3713.36	3712.57	3712.57	3712.55	3712.79	3711.50	3712.09
MW-4		3712.80	3712.82	3712.78	3713.25	3712.98	3713.48
MW-6		3711.76	3712.00	3711.96	3711.87	3711.56	3711.92
MW-7		3711.03	3710.80	3710.73	3710.50	3709.87	3710.33
MW-8		3709.22	3708.95	3708.79	3708.54	3708.06	3708.33

	3/20/08	6/27/08
MW-1	3713.48	NM
MW-2	3713.40	NM
MW-3	3713.30	3713.09
MW-4	3713.70	3713.13
MW-6	3712.53	3712.20
MW-7	3711.38	3710.95
MW-8	3709.17	3708.78

Units are feet

Blank cells: wells not installed

NM: Not measured because of probe malfunction.

Table 3 - Summary of Free Phase Hydrocarbon Thickness Values for MW-1 and MW-2

Date	MW-1	MW-2
02/15/06	0.00	0.57
09/25/06	0.00	0.15
12/21/06	0.09	0.13
03/14/07	0.07	0.10
06/26/07	0.09	0.00
9/25/07	0.09	0.03
11/30/07	0.00	0.00
3/20/08	0.00	0.00
6/27/08	0.04	0.01

Units are feet

Table 4 - Summary of June 2008 Groundwater Sampling Results

Well	Benzene	Toluene	Ethylbenzene	Total Xylene
NMWQCC Groundwater Standard	0.01	0.75	0.75	0.62
MW-1	FPH	FPH	FPH	FPH
MW-2	FPH	FPH	FPH	FPH
MW-3	<0.002	<0.002	<0.002	<0.006
MW-3 (Dup)	<0.002	<0.002	<0.002	0.0072
MW-4	<0.002	<0.002	<0.002	0.0041J
MW-6	<0.002	<0.002	<0.002	<0.006
MW-7	<0.002	<0.002	<0.002	<0.006
MW-8	<0.002	<0.002	<0.002	<0.006
TRIP BLANK	<0.002	<0.002	<0.002	<0.006

Notes: Units are mg/l,

MW-5 was not installed because of drilling refusal

FPH well not sampled, free phase hydrocarbons present

Table 5 - Quality Assurance Evaluation for the June 2008 Data

MW-1 Duplicate Samples

	Benzene	Toluene	Ethylbenzene	Total Xylenes
RPD (%)	NM	NM	NM	54.9

NM: Not measured because the constituents were not detected

MW-6 Matrix Spike and Matrix Spike Duplicate Results

	Benzene	Toluene	Ethylbenzene	Total Xylenes
MS	110	98	100	97
MSD	114	102	104	102

Units are percent recovery

MS: matrix spike

MSD: matrix spike duplicate

Table 6 – Summary of Organic Groundwater Data

Well	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-1	2/06	0.139	0.326	0.34	0.31
	9/06	0.0418	0.0048	0.0247	0.0605
Dup	9/06	0.0555	0.0068	0.032	0.0782
	12/06	FPH	FPH	FPH	FPH
	3/07	FPH	FPH	FPH	FPH
	6/07	FPH	FPH	FPH	FPH
	9/07	0.0114	0.0029	0.0035	0.0978
	11/07	0.107	0.0243	0.0401	0.39
	3/08	0.042	0.0186	0.0177	0.260
Dup	3/08	0.031	0.0123	0.0107	0.170
MW-2	6/07	0.0262	0.0382	0.0404	0.335
	9/07	0.0045	<0.001	0.0027	0.0471
	11/07	0.006	0.0033	0.0025	0.0613
Dup	11/07	0.0062	0.003	0.0023	0.0577
	3/08	0.188	0.0062	0.0262	0.125
MW-3	2/06	<0.001	<0.001	<0.001	<0.002
	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
Dup	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	0.0029	0.0053	0.0015	0.0097
Dup	6/07	<0.001	<0.001	<0.001	<0.001
	9/07	<0.001	<0.001	<0.001	<0.001
Dup	9/07	<0.001	<0.001	<0.001	<0.001
	11/07	0.0011J	<0.002	<0.002	<0.006
	3/08	<0.002	<0.002	<0.002	<0.006
	6/08	<0.002	<0.002	<0.002	<0.006
Dup	6/08	<0.002	<0.002	<0.002	0.0072
MW-4	9/06	0.0086	0.00093J	0.0092	0.0061
	12/06	0.0295	0.0058	<0.002	0.0075
Dup	12/06	0.0207	0.004	<0.002	0.0054
	3/07	0.0044	0.0006	<0.002	0.0032
	6/07	<0.001	<0.001	<0.001	0.0025
	9/07	<0.001	<0.001	<0.001	<0.001
	11/07	<0.002	<0.002	<0.002	<0.006
	3/08	<0.002	<0.002	<0.002	<0.006
	6/08	<0.002	<0.002	<0.002	0.0041J

Notes: Units are mg/l, FPH: No sample because FPH is present:
 MW-5 was not installed
 J modifiers are not included in this table

Table 6 – Summary of Organic Groundwater Data (continued)

Well	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-6	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	<0.001	<0.001	<0.001	<0.001
	9/07	<0.001	<0.001	<0.001	<0.001
	11/07	<0.002	<0.002	<0.002	<0.006
	3/08	<0.002	<0.002	<0.002	<0.006
	6/08	<0.002	<0.002	<0.002	<0.006
MW-7	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	<0.001	<0.001	<0.001	0.0027
	9/07	<0.001	<0.001	<0.001	<0.001
	11/07	<0.002	<0.002	<0.002	<0.006
	3/08	<0.002	<0.002	<0.002	<0.006
	6/08	<0.002	<0.002	<0.002	<0.006
MW-8	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	<0.001	<0.001	<0.001	<0.001
	9/07	<0.001	<0.001	<0.001	<0.001
	11/07	<0.002	<0.002	<0.002	<0.006
	3/08	<0.002	<0.002	<0.002	<0.006
	6/08	<0.002	<0.002	<0.002	<0.006

Notes: Units are mg/l,
 J modifiers are not included in this table

FIGURES

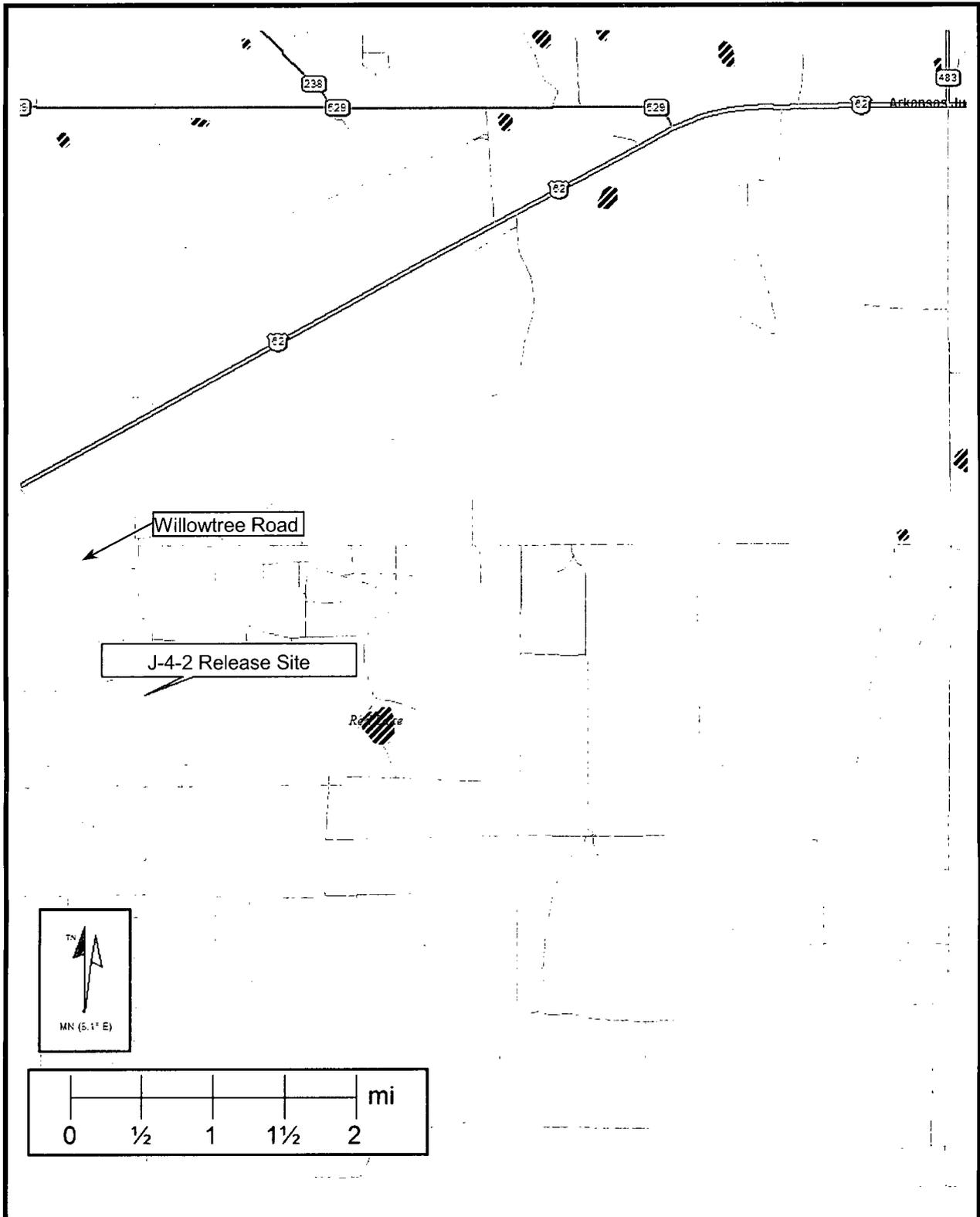


Figure 1 – Site Location
 J-4-2 Groundwater Monitoring



DRAWN BY: MHS

REVISED:

DATE: 5/06

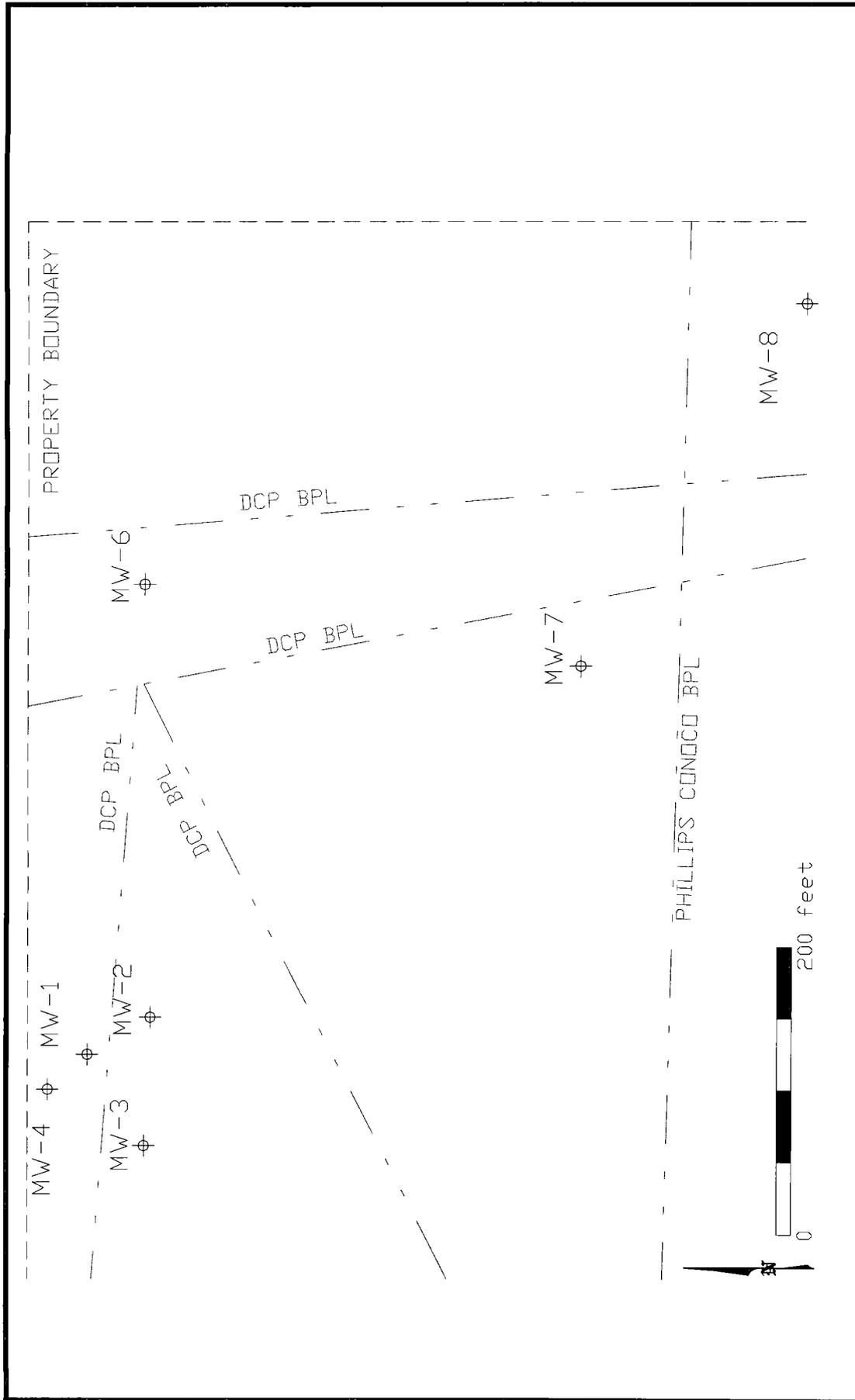


Figure 2 – Site Details

J-4-2 Groundwater Monitoring



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DATE: 2/08

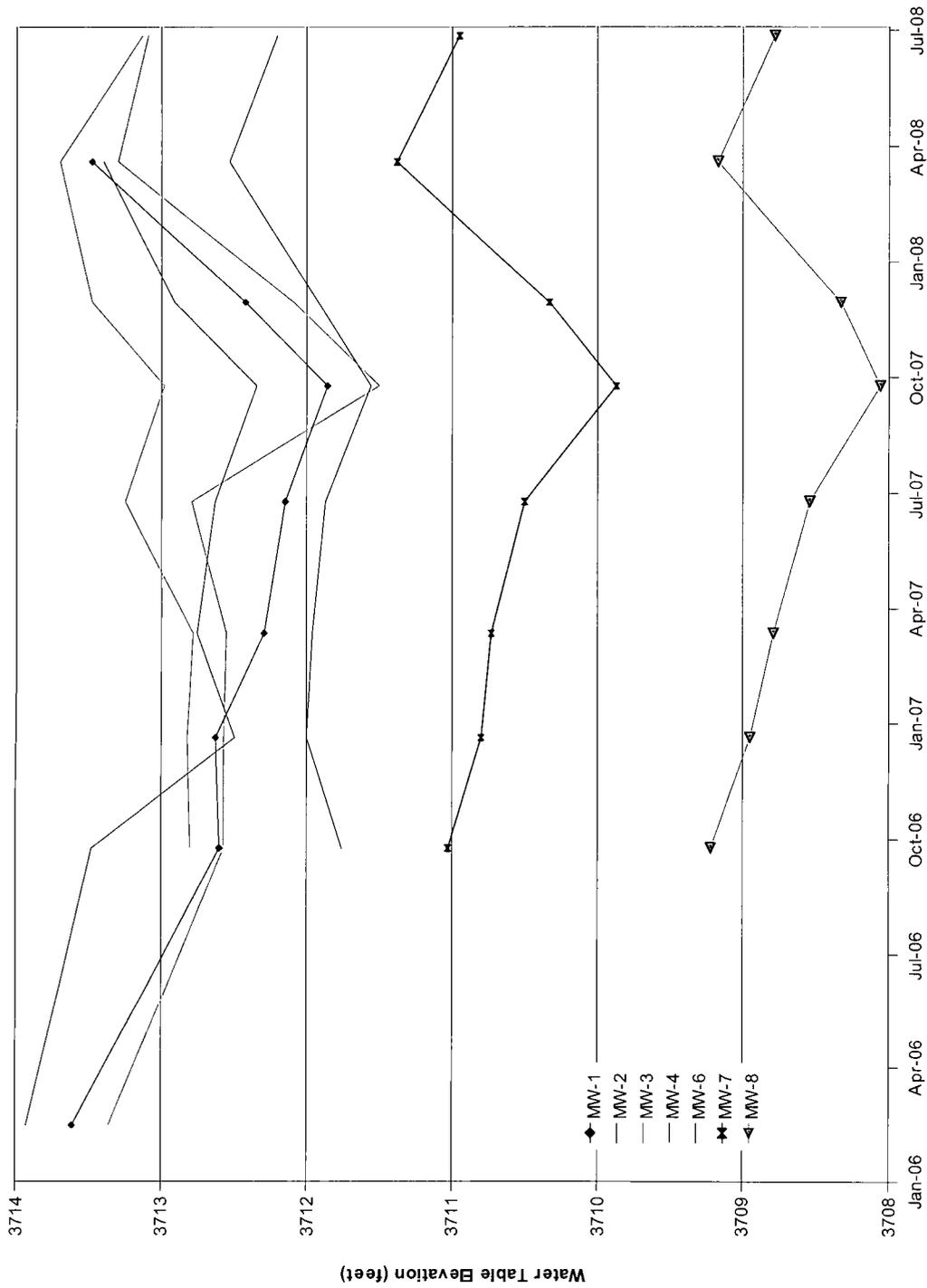


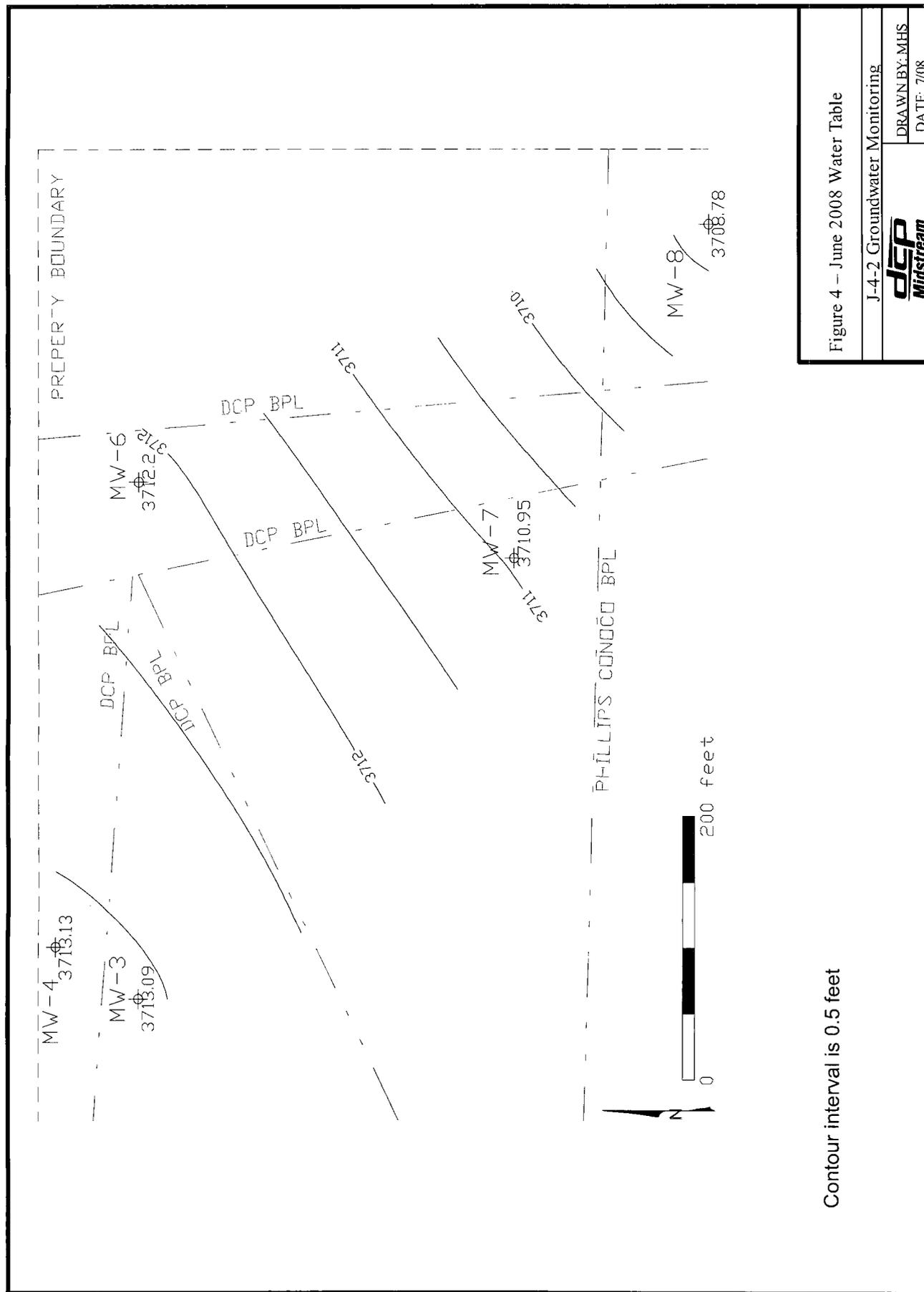
Figure 3 -- Monitoring Well Hydrographs

J-4-2 Groundwater Monitoring



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DATE: 7/08



Contour interval is 0.5 feet

Figure 4 – June 2008 Water Table

J-4-2 Groundwater Monitoring



DRAWN BY: MHS

DATE: 7/08

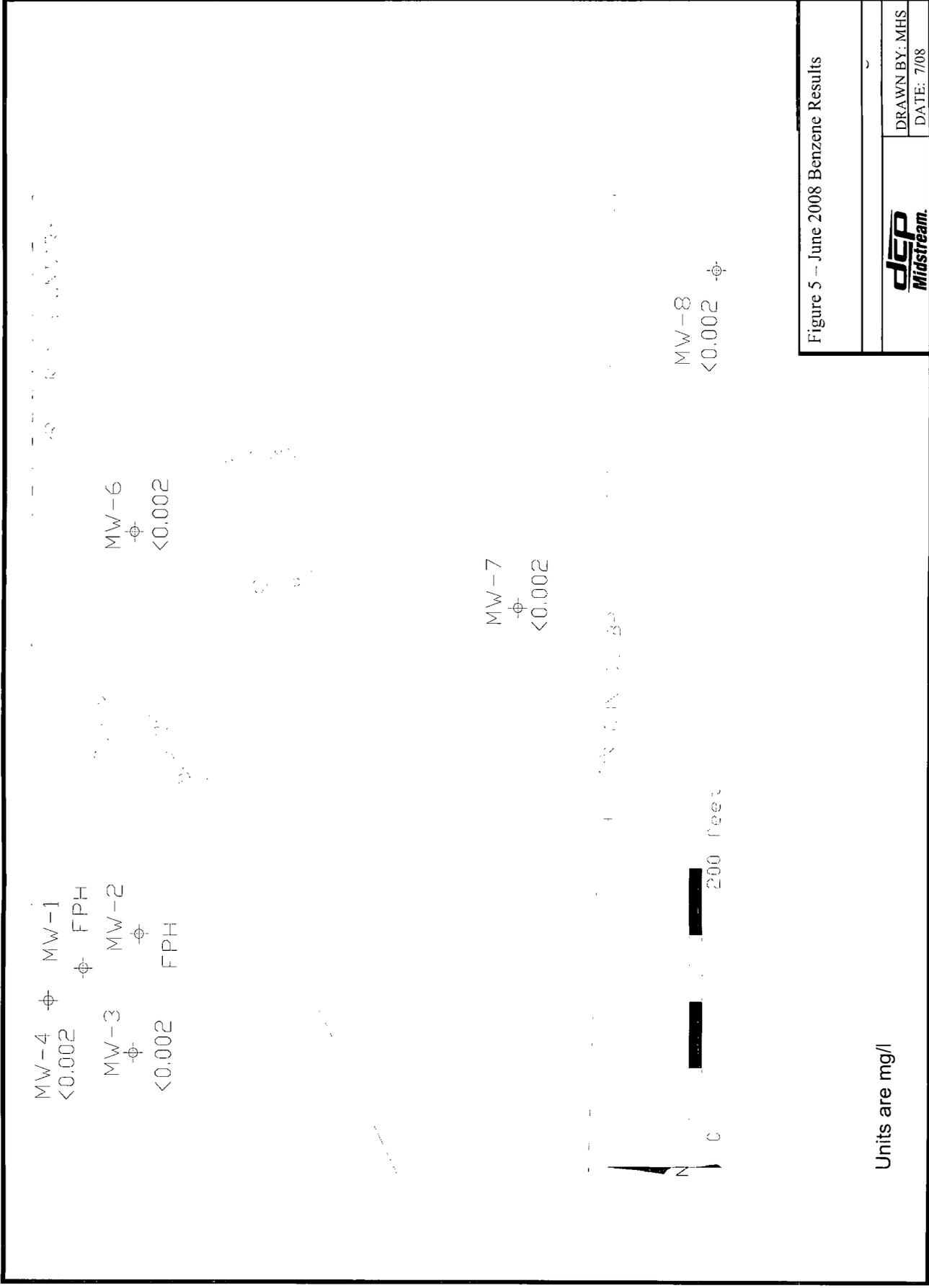


Figure 5 -- June 2008 Benzene Results

Units are mg/l



DRAWN BY: MHS
DATE: 7/08

**GROUNDWATER SAMPLING NOTES
AND LABORATORY ANALYTICAL REPORT**

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-3
 SITE NAME: J42 (Pipeline Leak) DATE: 6/27/2008
 PROJECT NO. _____ SAMPLER: M. Stewart/A. Taylor

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

TOTAL DEPTH OF WELL: 43.00 Feet
 DEPTH TO WATER: 26.30 Feet
 HEIGHT OF WATER COLUMN: 16.70 Feet
 WELL DIAMETER: 2.0 Inch

8.2 Minimum Gallons to
 purge 3 well volumes
 (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °F	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
14:07	0.0	-	-	-	-	-	Begin Hand Bailing
14:12	2.7	7.1	1.89		-	-	
14:17	5.4	7.0	7.35		-	-	Instrument malfunction
14:22	8.1	6.4	8.34		-	-	Instrument malfunction
0:15 :Total Time (hr:min)		8.1 :Total Vol (gal)		0.54 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: MW-3
 ANALYSES: BTEX
 COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-4
 SITE NAME: J42 (Pipeline Leak) DATE: 6/27/2008
 PROJECT NO. _____ SAMPLER: M. Stewart/A. Taylor

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

TOTAL DEPTH OF WELL: 38.12 Feet

DEPTH TO WATER: 27.11 Feet

HEIGHT OF WATER COLUMN: 11.01 Feet

WELL DIAMETER: 2.0 Inch

5.4 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °F	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
13:43	0.0	-	-	-	-	-	Begin Hand Bailing
13:46	2.0	70.9	4.29	6.81	-	-	
13:49	4.0	69.1	4.18	6.75	-	-	
13:54	6.0	68.1	4.18	6.74	-	-	
0:11 :Total Time (hr:min)		6 :Total Vol (gal)		0.54 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: MW-4
 ANALYSES: BTEX
 COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-6
 SITE NAME: J42 (Pipeline Leak) DATE: 6/27/2008
 PROJECT NO. _____ SAMPLER: M. Stewart/A. Taylor

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

TOTAL DEPTH OF WELL: 38.32 Feet

DEPTH TO WATER: 27.76 Feet

HEIGHT OF WATER COLUMN: 10.56 Feet

WELL DIAMETER: 2.0 Inch

5.2 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °F	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
14:16	0.0	-	-	-	-	-	Begin Hand Bailing
14:19	2.0	69.3	1.73	7.38	-	-	
14:23	4.0	68.7	1.68	7.33	-	-	
14:27	6.0	68.0	1.66	7.27	-	-	
0:11 :Total Time (hr:min)		6 :Total Vol (gal)		0.54 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: MW-6

ANALYSES: BTEX

COMMENTS: Collected MS/MSD sample

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-7
 SITE NAME: J42 (Pipeline Leak) DATE: 6/27/2008
 PROJECT NO. _____ SAMPLER: M. Stewart/A. Taylor

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

TOTAL DEPTH OF WELL: 39.45 Feet
 DEPTH TO WATER: 29.78 Feet
 HEIGHT OF WATER COLUMN: 9.67 Feet
 WELL DIAMETER: 2.0 Inch

4.7 Minimum Gallons to
 purge 3 well volumes
 (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °F	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
13:52	0.0	-	-	-	-	-	Begin Hand Bailing
13:56	2.3	69.3	1.45	7.27	-	-	
14:00	4.6	68.4	1.46	7.20	-	-	
14:04	6.9	68.0	1.46	7.21	-	-	
0:12 :Total Time (hr:min)		6.9 :Total Vol (gal)		0.57 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: MW-7
 ANALYSES: BTEX
 COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-8
 SITE NAME: J42 (Pipeline Leak) DATE: 6/27/2008
 PROJECT NO. _____ SAMPLER: M. Stewart/A. Taylor

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

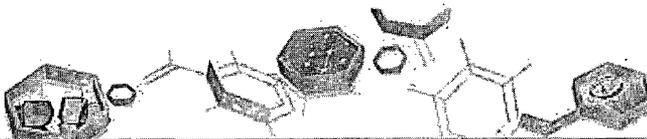
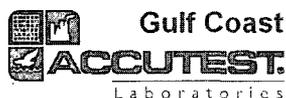
Gloves Alconox Distilled Water Rinse Other: _____

TOTAL DEPTH OF WELL: 38.32 Feet
 DEPTH TO WATER: 28.54 Feet
 HEIGHT OF WATER COLUMN: 9.78 Feet
 WELL DIAMETER: 2.0 Inch

4.8 Minimum Gallons to
 purge 3 well volumes
 (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °F	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
13:23	0.0	-	-	-	-	-	Began Hand Bailing
13:26	2.3	69.3	2.02	7.25	-	-	
13:29	4.6	68.5	2.02	7.27	-	-	
13:33	6.9	67.7	1.97	7.22	-	-	
0:10 :Total Time (hr:min)		6.9 :Total Vol (gal)		0.69 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: MW-8
 ANALYSES: BTEX
 COMMENTS: _____



IT'S ALL IN THE CHEMISTRY

07/08/08

Technical Report for

American Environmental Consulting

DCP Midstream- J42 Pipeline

Accutest Job Number: T22826

Sampling Date: 06/27/08



Report to:

American Environmental Consulting
6885 S. Marshall Suite 3
Littleton, CO 80439
mstewart@aecdenvr.com

ATTN: Mike Stewart

Total number of pages in report: 19



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: Agnes Vicknair 713-271-4700

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

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Test results relate only to samples analyzed.

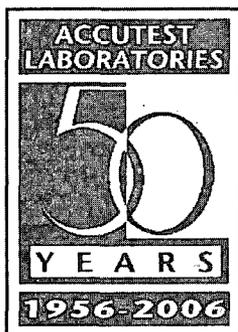
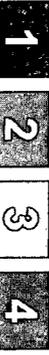


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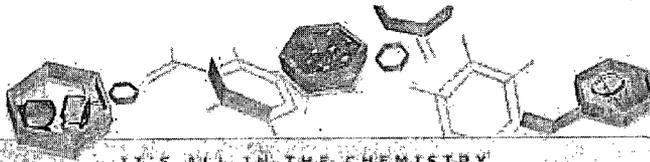
Sample Summary

American Environmental Consulting

Job No: T22826

DCP Midstream- J42 Pipeline

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
T22826-1	06/27/08	12:00	07/02/08	AQ	Ground Water	MW-3
T22826-2	06/27/08	12:30	07/02/08	AQ	Ground Water	MW-4
T22826-3	06/27/08	11:40	07/02/08	AQ	Ground Water	MW-6
T22826-3D	06/27/08	11:40	07/02/08	AQ	Water Dup/MSD	MW-6 MSD
T22826-3S	06/27/08	11:40	07/02/08	AQ	Water Matrix Spike	MW-6 MS
T22826-4	06/27/08	11:15	07/02/08	AQ	Ground Water	MW-7
T22826-5	06/27/08	10:50	07/02/08	AQ	Ground Water	MW-8
T22826-6	06/27/08	00:00	07/02/08	AQ	Ground Water	DUP
T22826-7	06/27/08	00:00	07/02/08	AQ	Trip Blank Water	TRIP BLANK



IT'S ALL IN THE CHEMISTRY

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: MW-3	Date Sampled: 06/27/08
Lab Sample ID: T22826-1	Date Received: 07/02/08
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: DCP Midstream- J42 Pipeline	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0092358.D	1	07/04/08	LJ	n/a	n/a	VF2998
Run #2							

Run #	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	102%		73-126%
17060-07-0	1,2-Dichloroethane-D4	95%		61-136%
2037-26-5	Toluene-D8	99%		80-125%
460-00-4	4-Bromofluorobenzene	106%		65-147%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4	Date Sampled:	06/27/08
Lab Sample ID:	T22826-2	Date Received:	07/02/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	DCP Midstream- J42 Pipeline		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0092359.D	1	07/04/08	LJ	n/a	n/a	VF2998
Run #2							

Run #	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)	0.0041	0.0060	0.0014	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		73-126%
17060-07-0	1,2-Dichloroethane-D4	93%		61-136%
2037-26-5	Toluene-D8	98%		80-125%
460-00-4	4-Bromofluorobenzene	114%		65-147%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-6	Date Sampled: 06/27/08
Lab Sample ID: T22826-3	Date Received: 07/02/08
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: DCP Midstream- J42 Pipeline	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0092360.D	1	07/04/08	LJ	n/a	n/a	VF2998
Run #2							

Run #	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	103%		73-126%
17060-07-0	1,2-Dichloroethane-D4	94%		61-136%
2037-26-5	Toluene-D8	98%		80-125%
460-00-4	4-Bromofluorobenzene	118%		65-147%

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: MW-7	Date Sampled: 06/27/08
Lab Sample ID: T22826-4	Date Received: 07/02/08
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: DCP Midstream- J42 Pipeline	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0092361.D	1	07/04/08	LJ	n/a	n/a	VF2998
Run #2							

Run #	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	103%		73-126%
17060-07-0	1,2-Dichloroethane-D4	94%		61-136%
2037-26-5	Toluene-D8	98%		80-125%
460-00-4	4-Bromofluorobenzene	122%		65-147%

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

25
2

Client Sample ID: MW-8	Date Sampled: 06/27/08
Lab Sample ID: T22826-5	Date Received: 07/02/08
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: DCP Midstream- J42 Pipeline	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0092362.D	1	07/04/08	LJ	n/a	n/a	VF2998
Run #2							

Run #	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	104%		73-126%
17060-07-0	1,2-Dichloroethane-D4	94%		61-136%
2037-26-5	Toluene-D8	98%		80-125%
460-00-4	4-Bromofluorobenzene	127%		65-147%

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

2.7
2

Client Sample ID:	TRIP BLANK	Date Sampled:	06/27/08
Lab Sample ID:	T22826-7	Date Received:	07/02/08
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	DCP Midstream- J42 Pipeline		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0092347.D	1	07/04/08	LJ	n/a	n/a	VF2998
Run #2							

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

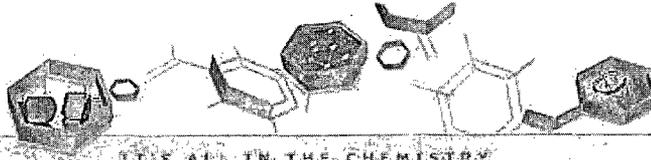
Purgeable Aromatics

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	103%		73-126%
17060-07-0	1,2-Dichloroethane-D4	102%		61-136%
2037-26-5	Toluene-D8	100%		80-125%
460-00-4	4-Bromofluorobenzene	121%		65-147%

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



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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

*Center 3
IT*

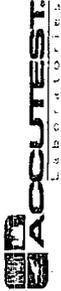
Accutest Job #: **T 22826**
Accutest Quote #:

Client Information		Facility Information		Analytical Information												
DCP Midstream		American Environmental Consulting, LP														
Name 370 Seventeenth Street, Suite 2500		Project Name		BTEX 8260B												MS/MSD FOR BTEX 8260B
Address Denver CO 80202		Location														
City State Zip Stephen Weathers		Project/PO #: DCP MidstreamJ42														
Send Report to: Phone #: 303.605.1718		FAX #:														
Field ID / Point of Collection		Collection			Preservation											
Date	Time	Sampled By	Matrix	# of bottles	HC	NOH	HNO3	H2SO4	None							
MW-1			GW	3	X					X						
MW-2			GW	3	X					X						
MW-3	6/27/08	1200	MS	3	X					X						
MW-4	6/27/08	1230		3	X					X						
MW-6	6/27/08	1140		3	X					X						
MW-7	6/27/08	1115	MS	3	X					X						
MW-8	6/27/08	1050	MS	3	X					X						
Dup	6/27/08	000	MS	3	X					X						
Trip	6/27/08		Lab	3	X					X						
MS/MSD / MW-6	6/27/08	1140	MS	6	X										X	

Turnaround Information		Data Deliverable Information		Comments / Remarks	
<input type="checkbox"/> 21 Day Standard	Approved By: _____	<input type="checkbox"/> NJ Reduced	<input type="checkbox"/> Commercial "A"	Please include "Hold for Steve Weathers" on the shipping label. Accutest to invoice DCP Midstream, Attn: Steve Weathers	
<input type="checkbox"/> 14 Day		<input type="checkbox"/> NJ Full	<input type="checkbox"/> Commercial "B"		
<input checked="" type="checkbox"/> 7 Days EMERGENCY		<input type="checkbox"/> FULL CLP	<input type="checkbox"/> ASP Category B		
<input type="checkbox"/> Other _____ (Days)		<input type="checkbox"/> Disk Deliverable	<input type="checkbox"/> State Forms		
RUSH TAT is for FAX data unless previously approved.		<input checked="" type="checkbox"/> Other (Specify) _____	#REF!		

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 <i>[Signature]</i>	7/1 1330	1 <i>[Signature]</i>	2	7/2/08 10:04	2 <i>[Signature]</i>
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by Sampler:	Date Time:	Received By:	Scale #	Preserved where applicat	On Ice:
5		5			2.1

31
3



SAMPLE VERIFICATION

Accutest Job Number: T22826 Client: DCP Midstream Project: DCP Midstream 142

Date/Time Received: 7/2/08 # of Coolers Received: 1

Cooler Temps: #1: 21 #2: _____ #3: _____ #4: _____ #5: _____ #6: _____

Method of Delivery: FEDEX UPS Accutest Courier Greyhound Delivery Other

Airbill Numbers: 8658-9996-3083

COOLER INFORMATION

<input type="checkbox"/>	Custody seal missing or not intact
<input type="checkbox"/>	Chain of Custody not received
<input type="checkbox"/>	Temperature criteria not met
<input type="checkbox"/>	Wet ice received in cooler

CHAIN OF CUSTODY

<input type="checkbox"/>	Sample D/T unclear or missing
<input type="checkbox"/>	Analyses unclear or missing
<input type="checkbox"/>	COC not properly executed

SAMPLE INFORMATION

<input type="checkbox"/>	Sample containers rev'd broken
<input type="checkbox"/>	VOC vials have headspace
<input type="checkbox"/>	Sample labels missing or illegible
<input type="checkbox"/>	ID on COC does not match label(s)
<input type="checkbox"/>	D/T on COC does not match label(s)
<input type="checkbox"/>	Bottles rev'd but no analysis on COC
<input type="checkbox"/>	Bottles missing for requested analysis
<input type="checkbox"/>	Insufficient volume for analysis
<input type="checkbox"/>	Sample rev'd improperly preserved

TRIP BLANK INFORMATION

<input type="checkbox"/>	Trip Blank on COC but not received
<input type="checkbox"/>	Trip Blank received but not on COC
<input type="checkbox"/>	Trip Blank not intact
<input checked="" type="checkbox"/>	Received Water Trip Blank
<input type="checkbox"/>	Received Soil TB
<input type="checkbox"/>	Number of Encores?
<input type="checkbox"/>	Number of 5035 kits?
<input type="checkbox"/>	Number of lab-filtered metals?

Summary of Discrepancies:

TECHNICIAN SIGNATURE/DATE: Van-ford

VERIFIED BY: [Signature]

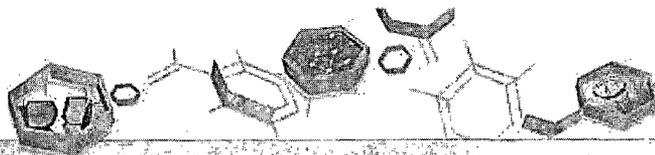
CORRECTIVE ACTIONS

Client Representative Notified: _____ Date: _____

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

Client Instructions: _____

i:\mwalker\form\samplemanagement



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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: T22826
Account: AECCOLI American Environmental Consulting
Project: DCP Midstream- J42 Pipeline

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2998-MB	F0092345.D	1	07/04/08	LJ	n/a	n/a	VF2998

4.1
4

The QC reported here applies to the following samples:

Method: SW846 8260B

T22826-1, T22826-2, T22826-3, T22826-4, T22826-5, T22826-6, T22826-7

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	102% 73-126%
17060-07-0	1,2-Dichloroethane-D4	101% 61-136%
2037-26-5	Toluene-D8	101% 80-125%
460-00-4	4-Bromofluorobenzene	119% 65-147%

Blank Spike Summary

Job Number: T22826
 Account: AECCOLI American Environmental Consulting
 Project: DCP Midstream- J42 Pipeline

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2998-BS	F0092343.D	1	07/04/08	LJ	n/a	n/a	VF2998

4.2
4

The QC reported here applies to the following samples:

Method: SW846 8260B

T22826-1, T22826-2, T22826-3, T22826-4, T22826-5, T22826-6, T22826-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	27.9	112	41-145
100-41-4	Ethylbenzene	25	25.9	104	49-135
108-88-3	Toluene	25	26.4	106	66-128
1330-20-7	Xylene (total)	75	77.9	104	67-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	73-126%
17060-07-0	1,2-Dichloroethane-D4	102%	61-136%
2037-26-5	Toluene-D8	98%	80-125%
460-00-4	4-Bromofluorobenzene	104%	65-147%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T22826
 Account: AECCOLI American Environmental Consulting
 Project: DCP Midstream- J42 Pipeline

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T22826-3MS	F0092364.D	1	07/04/08	LJ	n/a	n/a	VF2998
T22826-3MSD	F0092365.D	1	07/04/08	LJ	n/a	n/a	VF2998
T22826-3	F0092360.D	1	07/04/08	LJ	n/a	n/a	VF2998

4.3
4

The QC reported here applies to the following samples:

Method: SW846 8260B

T22826-1, T22826-2, T22826-3, T22826-4, T22826-5, T22826-6, T22826-7

CAS No.	Compound	T22826-3 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	25	27.4	110	28.4	114	4	60-131/12
100-41-4	Ethylbenzene	ND	25	24.6	98	25.4	102	3	58-127/13
108-88-3	Toluene	ND	25	25.1	100	26.0	104	4	67-123/11
1330-20-7	Xylene (total)	ND	75	72.8	97	76.6	102	5	62-125/14

CAS No.	Surrogate Recoveries	MS	MSD	T22826-3	Limits
1868-53-7	Dibromofluoromethane	105%	101%	103%	73-126%
17060-07-0	1,2-Dichloroethane-D4	94%	88%	94%	61-136%
2037-26-5	Toluene-D8	97%	97%	98%	80-125%
460-00-4	4-Bromofluorobenzene	107%	108%	118%	65-147%



RECEIVED

2008 MAY 23 AM 10:16

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

May 21, 2008

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

**RE: 1st Quarter 2008 Groundwater Monitoring Results
DCP Midstream, LP J-4-2 Pipeline Release (1RP-1728)
Unit C, Section 27, Township 19 South, Range 35 East
Lea County, New Mexico**

Dear Mr. Price:

DCP Midstream, LP (DCP) is pleased to submit for your review, a copy of the 1st Quarter 2008 Groundwater Monitoring Results for the DCP J-4-2 Pipeline Release located in Lea County, New Mexico (Unit C, Section 27, Township 19 South, Range 35 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, PG
Sr. Environmental Specialist

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

2008 MAY 23 AM 10:16
RECEIVED

April 30, 2008

Mr. Stephen Weathers
DCP Midstream, LP
370 17th Street, Suite 2500
Denver, CO 80202

Re: Summary of the First Quarter 2008 Groundwater Monitoring Results for the
DCP J-4-2 Pipeline Release in Lea County New Mexico **(IRP-1728)**
Unit C, Section 27 Township 19 South, Range 35 East

Dear Mr. Weathers:

This report summarizes the first quarter 2008 groundwater monitoring activities completed at the J-4-2 release location for DCP Midstream, LP. The site is located in the northeastern quarter of the northwestern quarter (Unit C) of Section 27, Township 19 South, Range 35 East approximately 3 miles south of the of intersection of US Highway 82 and State Highway 483 (Utah Junction) in Lea County New Mexico (Figure 1). The approximate coordinates are 32.647° north and 103.447° west.

The monitoring network includes the seven groundwater monitoring wells shown on Figure 2. Table 1 summarizes construction information for each well. Note that monitoring well MW-5 was not installed because of drilling refusal.

GROUNDWATER SAMPLING

Groundwater sampling was completed on March 20, 2008. The depth to water was measured in each well prior to conducting the purging and sampling activities. The calculated groundwater elevations for all monitoring episodes are summarized in Table 2.

No FPH was measured in any well during this sampling event for the second consecutive quarter. The historic FPH thickness values are summarized in Table 3.

All of the wells were purged and sampled using the standard protocols for this site. Purging of all wells except MW-2 was completed using dedicated bailers. MW-2 was purged with a submersible pump. Purging continued until a minimum of three casing volumes of water was removed and the field parameters temperature, pH and conductivity stabilized. The well purging forms are attached. The affected purge water was disposed at the DCP Linam Ranch facility.

Unfiltered samples were collected upon stabilization using the dedicated bailers. All samples were placed in an ice-filled chest immediately upon collection and delivered to ACCUTEST Laboratories using standard chain-of-custody protocol. The samples were analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX).

The laboratory analyses for the sampling episode are summarized in Table 4. The laboratory report is attached. Table 5 provides the quality assurance/quality control (QA/QC) information. The QA/QC evaluation includes:

- The sample container temperature was 2.4 degrees centigrade when received at the lab.
- All of the individual surrogate spikes were within their control limits.
- The relative percentage difference (RPD) values for the MW-1 duplicates exceeded 10 percent.
- The matrix spike and matrix spike duplicate results from MW-8 were within the control limits for all four constituents.

The above information indicates that the data is suitable as monitoring data.

RESULTS AND INTERPRETATIONS

The results and interpretations presented below are based upon all of the data collected to date.

Groundwater Flow

Figure 3 includes hydrographs for the corrected water-table elevations for all site wells. The water table exhibited substantial increases in all wells.

The resulting March 2008 calculated groundwater contours as generated using the Surfer® program with the kriging option are shown on Figure 4. The water table exhibits a gradient to the southeast that is consistent with past monitoring events.

Groundwater Chemistry

The March 2008 data is summarized in Table 4. The New Mexico Water Quality Control Commission (NMWQCC) groundwater standards are reproduced at the top of the table. Any constituents that exceed these standards are bolded. Examination of Table 4 shows that benzene in MW-1 and MW-2 were the only constituents that exceeded the standards.

The data for all of the organic constituents are summarized in Table 6. Examination of Table 6 indicates the following:

- The toluene, ethylbenzene and total xylenes concentrations have never exceeded the NMWQCC standards.
- The benzene concentration in MW-1 decreased back to its historic range between the fourth quarter 2007 and first quarter 2008 sampling events.
- The benzene concentration in MW-2 increased substantially between the two sampling events to its highest recorded concentration.
- The BTEX constituents in MW-3 were not detected at 0.002 mg/l.
- Benzene in MW-4 remained below the 0.002 mg/l method reporting limit.
- The BTEX constituents have never been detected in down-gradient wells MW-6, MW-7 and MW-8.

CONCLUSIONS AND RECOMMENDATIONS

Based upon the data collected to date, AEC concludes that:

1. Groundwater flow is constant toward the southeast with the exception of an small area surrounding MW-2;
2. The presence of dissolved phase BTEX constituents is limited to the original release area as defined by MW-1 and MW-2;
3. The dissolved-phase hydrocarbon plume associated with the DCP J-4-2 pipeline release is either stable or contracting;
4. The conductivity values remain the highest in MW-3. This well is minimally impacted at best by the DCP release so the probable source of the salts lies upgradient.

AEC recommends continued quarterly groundwater monitoring to verify continuance of the trends discussed above until the FPH has been absent for 1 year. AEC also recommends the collection of samples for chloride and total dissolved solids evaluation during the next quarter.

The next groundwater-monitoring event is scheduled for the second quarter of 2008. Do not hesitate to contact me if you have any questions or comments on this letter.

Sincerely,
AMERICAN ENVIRONMENTAL CONSULTING, LLC

Michael H. Stewart

Michael H. Stewart, P.E., C.P.G.
Principal Engineer

MHS/tbm
attachments

TABLES

Table 1 – Summary of Monitoring Well Completions at the J-4-2 Site

Name	Date Installed	Stickup	Casing Diameter (inches)	Total Depth (btoc)	Screen Interval (ground)	Sand Interval
MW-1	2/06	3.17	2	43.05	19-39	17-39
MW-2	2/06	3.08	4	43.30	19-39	17-39
MW-3	2/06	3.21	2	43.00	19-39	17-39
MW-4	9/06	3.12	2	38.12	20-35	18-35
MW-5	Not installed because of drilling refusal					
MW-6	9/06	3.32	2	38.32	20-35	18-35
MW-7	9/06	2.95	2	39.45	21.5-36.5	19.5-36.5
MW-8	9/06	3.32	2	38.32	20-35	18-35

All units are feet except as noted

btoc: Below top of casing

Table 2 - Summary of Water Table Elevations for the J-4-2 Site

	2/15/06	9/25/06	12/21/06	3/14/07	6/26/07	9/25/07	11/30/07
MW-1	3713.61	3712.60	3712.63	3712.29	3712.15	3711.86	3712.42
MW-2	3713.93	3713.48	3712.49	3712.75	3712.63	3712.34	3712.91
MW-3	3713.36	3712.57	3712.57	3712.55	3712.79	3711.50	3712.09
MW-4		3712.80	3712.82	3712.78	3713.25	3712.98	3713.48
MW-6		3711.76	3712.00	3711.96	3711.87	3711.56	3711.92
MW-7		3711.03	3710.80	3710.73	3710.50	3709.87	3710.33
MW-8		3709.22	3708.95	3708.79	3708.54	3708.06	3708.33

	3/20/08
MW-1	3713.48
MW-2	3713.40
MW-3	3713.30
MW-4	3713.70
MW-6	3712.53
MW-7	3711.38
MW-8	3709.17

Units are feet

Blank cells: wells not installed

Table 3 - Summary of Free Phase Hydrocarbon Thickness Values for MW-1 and MW-2

Date	MW-1	MW-2
02/15/06	0.00	0.57
09/25/06	0.00	0.15
12/21/06	0.09	0.13
03/14/07	0.07	0.10
06/26/07	0.09	0.00
9/25/07	0.09	0.03
11/30/07	0.00	0.00
3/20/08	0.00	0.00

Units are feet

Table 4 - Summary of March 2008 Groundwater Sampling Results

Well	Benzene	Toluene	Ethylbenzene	Total Xylene
NMWQCC Groundwater Standard	0.01	0.75	0.75	0.62
MW-1	0.042	0.0186	0.0177	0.260
DUP	0.031	0.0123	0.0107	0.170
MW-2	0.188	0.0062	0.0262	0.125
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	<0.002	<0.002	<0.002	<0.006
MW-8	<0.002	<0.002	<0.002	<0.006
TRIP BLANK	<0.002	<0.002	<0.002	<0.006

Notes: Units are mg/l,
 MW-5 was not installed because of drilling refusal

Table 5 - Quality Assurance Evaluation for the March 2008 Data

MW-1 Duplicate Samples

	Benzene	Toluene	Ethylbenzene	Total Xylenes
RPD (%)	30%	41%	49%	42%

MW-8 Matrix Spike and Matrix Spike Duplicate Results

	Benzene	Toluene	Ethylbenzene	Total Xylenes
MS	112	94	95	95
MSD	118	99	103	99

Units are percent recovery

MS: matrix spike

MSD: matrix spike duplicate

Table 6 – Summary of Organic Groundwater Data

Well	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	
MW-1	2/06	0.139	0.326	0.34	0.31	
	9/06	0.0418	0.0048	0.0247	0.0605	
Dup	9/06	0.0555	0.0068	0.032	0.0782	
	12/06	FPH	FPH	FPH	FPH	
	3/07	FPH	FPH	FPH	FPH	
	6/07	FPH	FPH	FPH	FPH	
	9/07	0.0114	0.0029	0.0035	0.0978	
	11/07	0.107	0.0243	0.0401	0.39	
	3/08	0.042	0.0186	0.0177	0.260	
	3/08	0.031	0.0123	0.0107	0.170	
MW-2	6/07	0.0262	0.0382	0.0404	0.335	
	9/07	0.0045	<0.001	0.0027	0.0471	
	11/07	0.006	0.0033	0.0025	0.0613	
	Dup	11/07	0.0062	0.003	0.0023	0.0577
	3/08	0.188	0.0062	0.0262	0.125	
MW-3	2/06	<0.001	<0.001	<0.001	<0.002	
	9/06	<0.002	<0.002	<0.002	<0.006	
	12/06	<0.002	<0.002	<0.002	<0.006	
	3/07	<0.002	<0.002	<0.002	<0.006	
	Dup	3/07	<0.002	<0.002	<0.002	<0.006
		6/07	0.0029	0.0053	0.0015	0.0097
	Dup	6/07	<0.001	<0.001	<0.001	<0.001
		9/07	<0.001	<0.001	<0.001	<0.001
		9/07	<0.001	<0.001	<0.001	<0.001
		11/07	0.0011J	<0.002	<0.002	<0.006
	3/08	<0.002	<0.002	<0.002	<0.006	
MW-4	9/06	0.0086	0.00093J	0.0092	0.0061	
	12/06	0.0295	0.0058	<0.002	0.0075	
	Dup	12/06	0.0207	0.004	<0.002	0.0054
		3/07	0.0044	0.0006	<0.002	0.0032
		6/07	<0.001	<0.001	<0.001	0.0025
		9/07	<0.001	<0.001	<0.001	<0.001
		11/07	<0.002	<0.002	<0.002	<0.006
		3/08	<0.002	<0.002	<0.002	<0.006

Notes: Units are mg/l, FPH: No sample because FPH is present:
 MW-5 was not installed
 J modifiers are not included in this table

Table 6 – Summary of Organic Groundwater Data (continued)

Well	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-6	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	<0.001	<0.001	<0.001	<0.001
	9/07	<0.001	<0.001	<0.001	<0.001
	11/07	<0.002	<0.002	<0.002	<0.006
	3/08	<0.002	<0.002	<0.002	<0.006
MW-7	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	<0.001	<0.001	<0.001	0.0027
	9/07	<0.001	<0.001	<0.001	<0.001
	11/07	<0.002	<0.002	<0.002	<0.006
	3/08	<0.002	<0.002	<0.002	<0.006
MW-8	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	<0.001	<0.001	<0.001	<0.001
	9/07	<0.001	<0.001	<0.001	<0.001
	11/07	<0.002	<0.002	<0.002	<0.006
	3/08	<0.002	<0.002	<0.002	<0.006

Notes: Units are mg/l,
 J modifiers are not included in this table

FIGURES

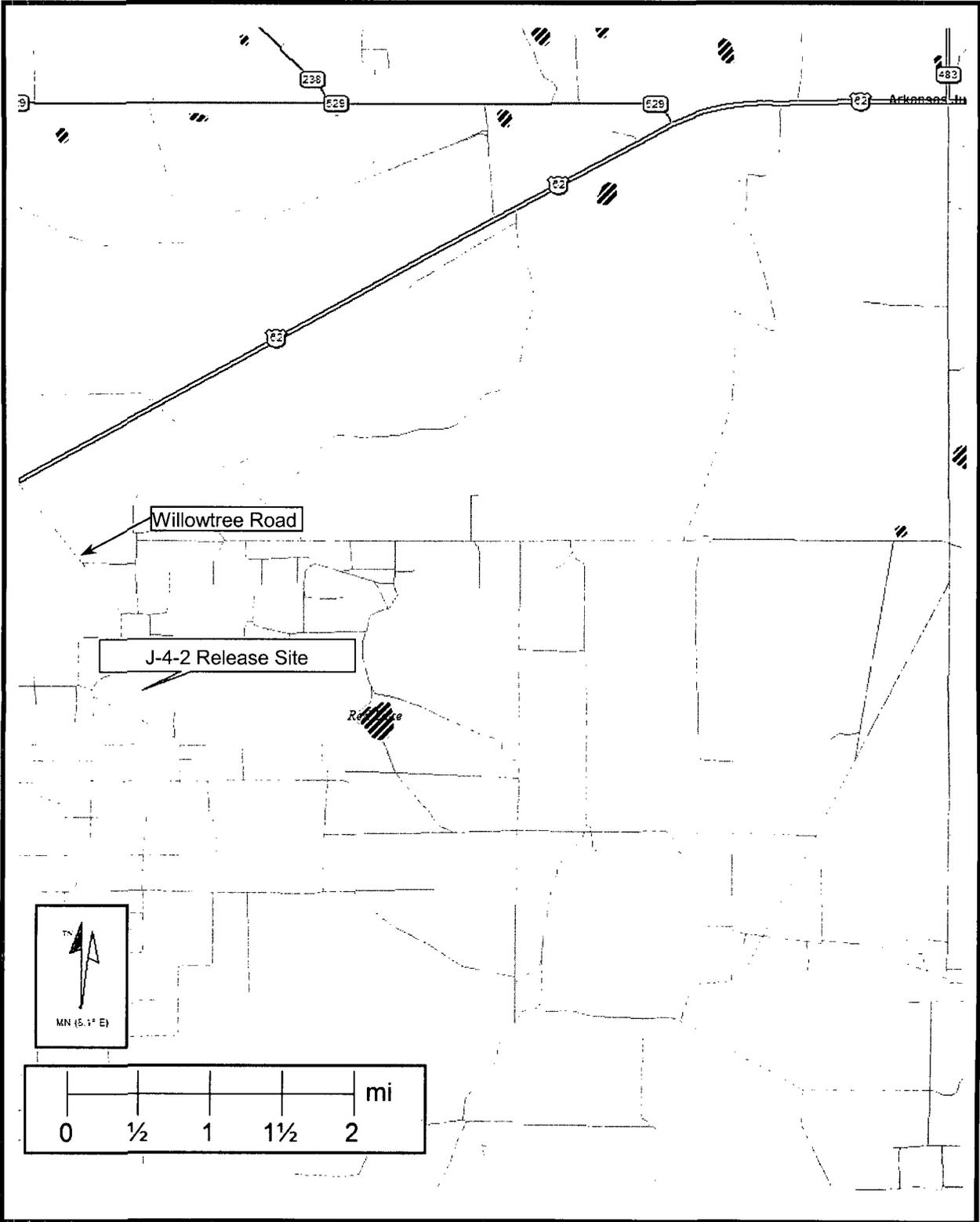


Figure 1 – Site Location
 J-4-2 Groundwater Monitoring



DRAWN BY:
REVISED:
DATE: 5/06

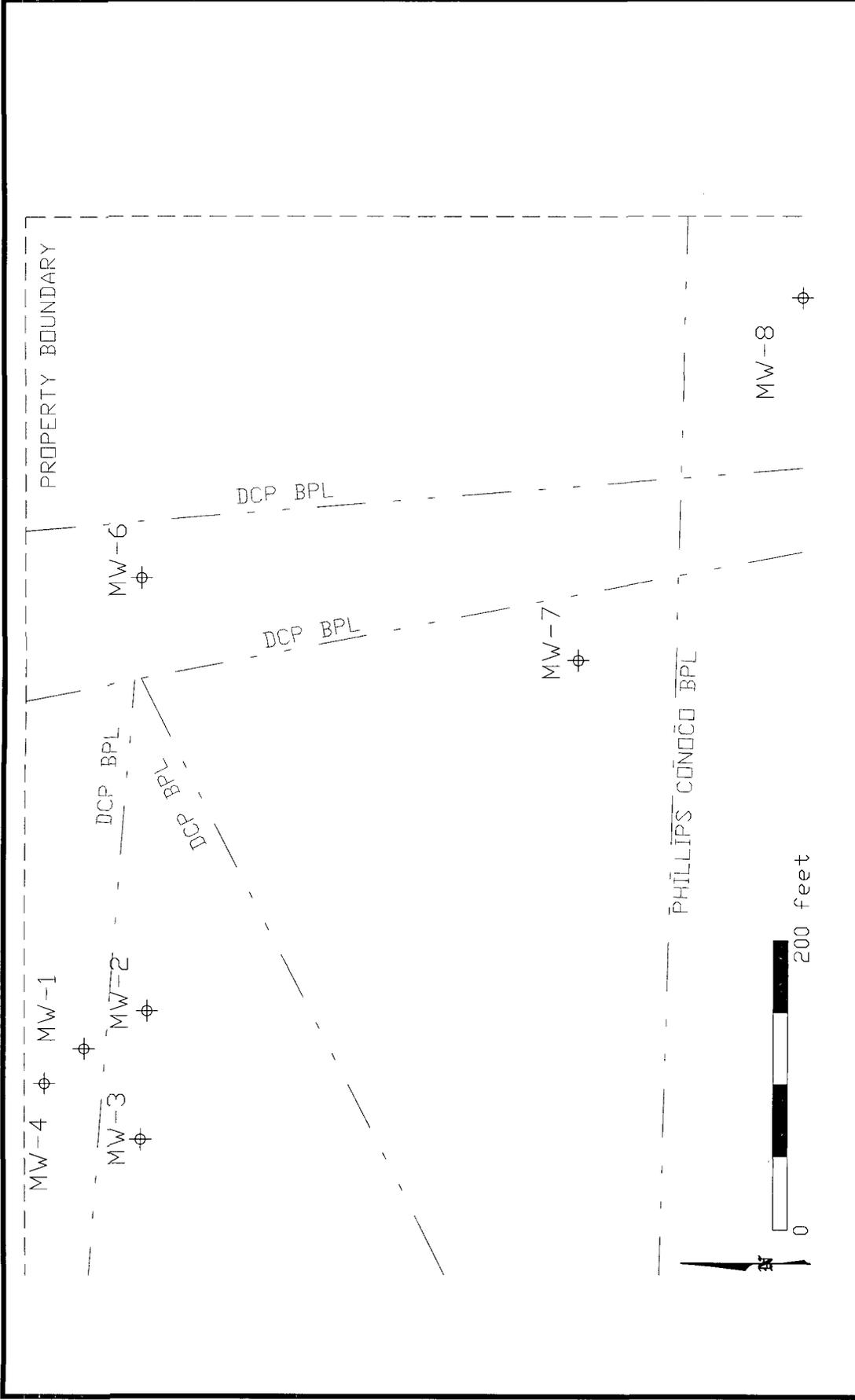


Figure 2 – Site Details

J-4-2 Groundwater Monitoring

DRAWN BY:

DATE: 2/08



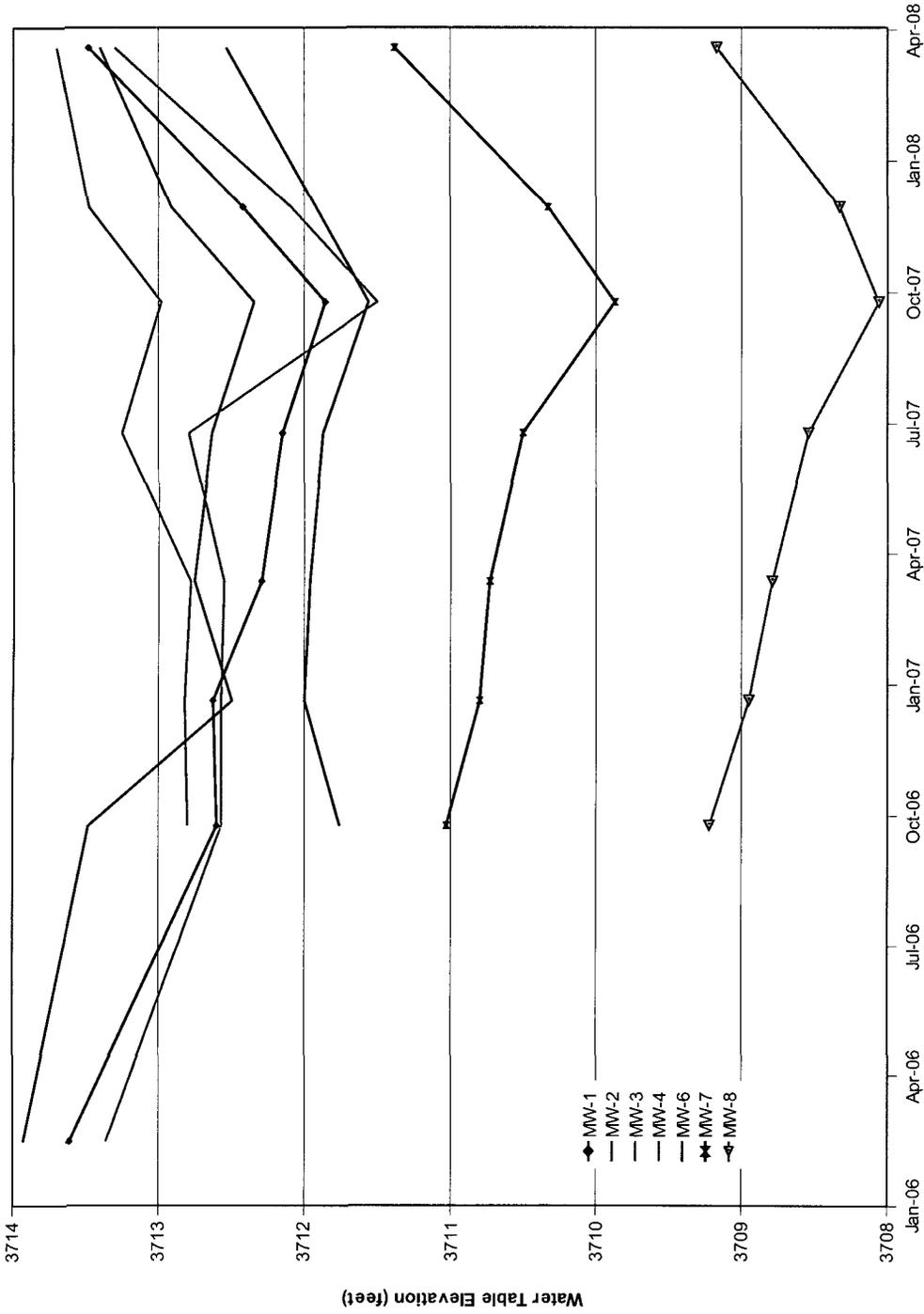


Figure 3 – Monitoring Well Hydrographs

J-4-2 Groundwater Monitoring



DRAWN BY:
DATE: 2/08

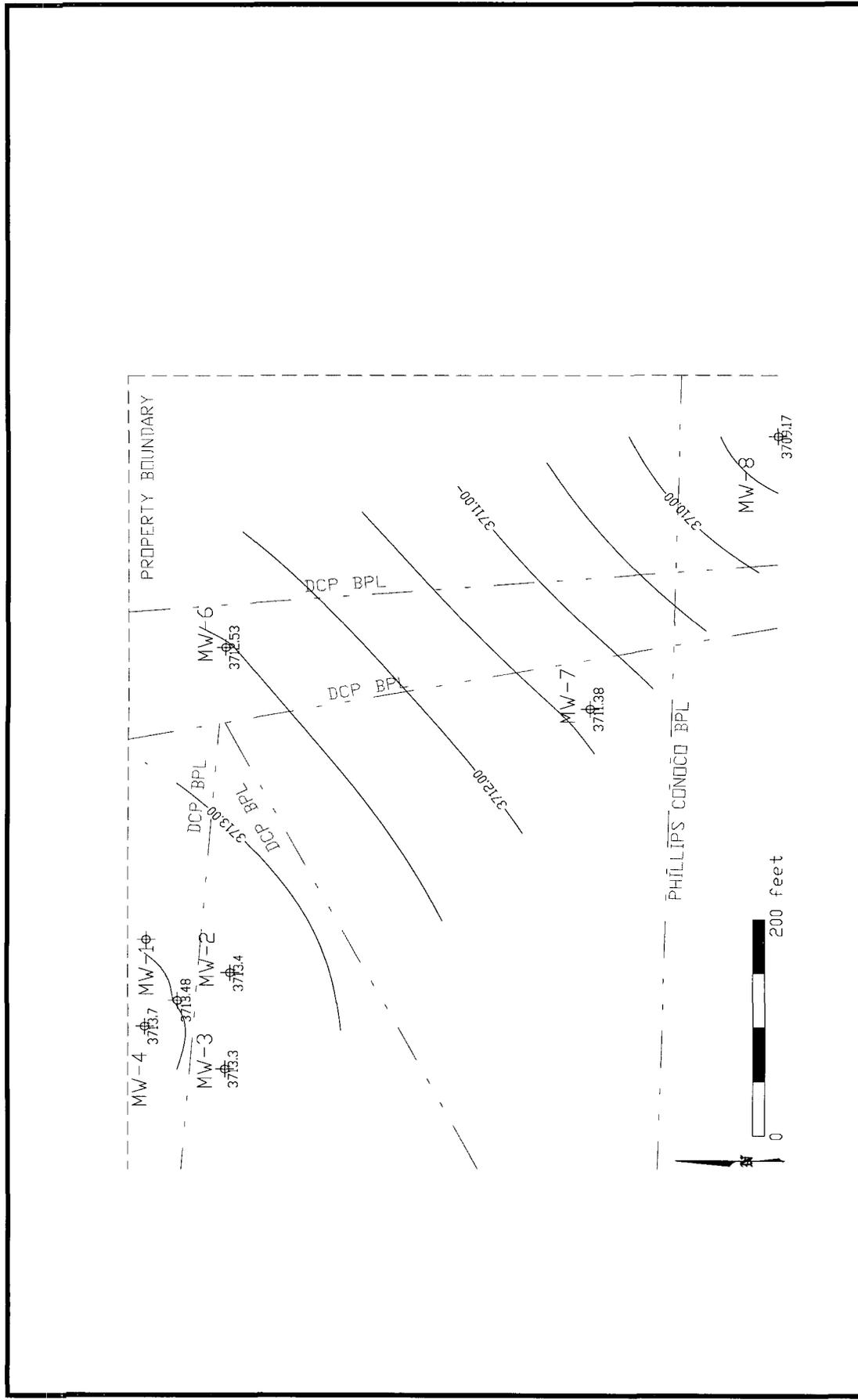


Figure 4 - March 2008 Water Table

J-4-2 Groundwater Monitoring

DRAWN BY:
DATE: 4/08



Contour interval is 0.5 feet

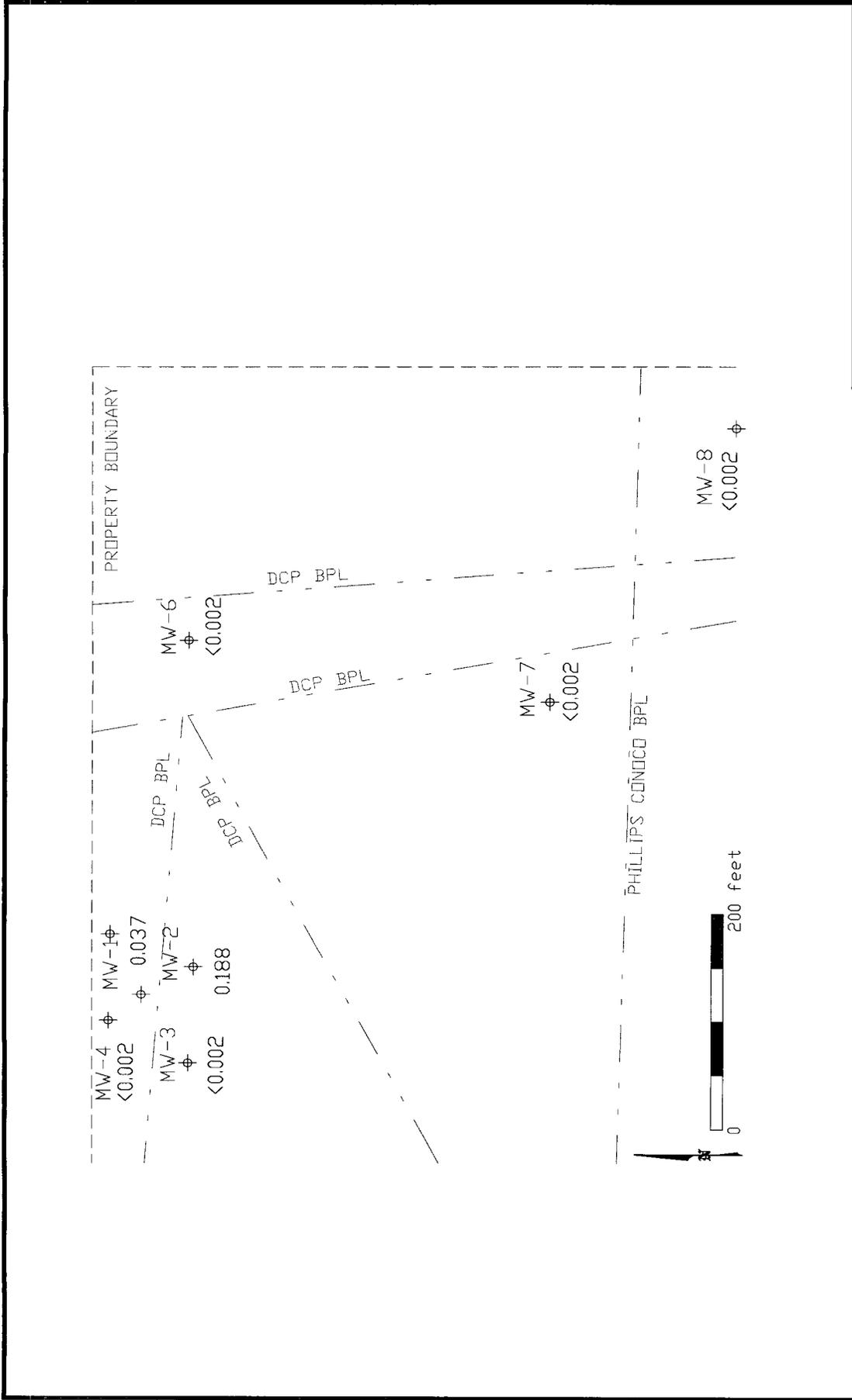


Figure 5 – March 2008 Benzene Results

J-4-2 Groundwater Monitoring

drawn by:

DATE: 4/08



Units are mg/l

**GROUNDWATER SAMPLING NOTES
AND LABORATORY ANALYTICAL REPORT**

GROUNDWATER SAMPLING FIELD DATA FORM

CLIENT: DCP Midstream, LLC		LOCATION: J-42				
WELL NAME: MW-1						
Sampled By: M. Stewart				Date Purged: 3/20/2008		
Weather During Sampling: Fair				Date Sampled: 3/20/2008		
Well Diameter: 2.0"				Time Sampled: 4:15 pm		
EVACUATION DATA						
Description of Measuring Point:		Top of PVC			Analyses: BTEX 8260 / DUP	
Total Depth of Well:		43.00 ft.				
Depth to Water from Measuring Point:		26.97 ft.				
Height of Water Column:		16.03 ft.				
Single Casing Volume of Water:		2.67 gal/cv				
Volume to Purge Prior to Sampling:		8.00 gal				
Volume Purged Prior to Sampling:		~8.0 gal				
Method of Purging/Equipment: Hand Bailed / Dedicated Bailer				Flow Rate: n/a		
Method of Sampling/Equipment: Dedicated Bailer				Flow Rate: n/a		
FIELD PARAMETERS	Casing Volume	1	2	3	4	5
pH	pH	6.92	6.99	6.98	--	--
Temperature	°C	20.3	20.2	20.2	--	--
Conductance	mS/cm	6.250	6.290	6.300	--	--
Turbidity	NTU/FTU	--	--	--	--	--
PID / COD / DO / TOC		--	--	--	--	--
NOTES:						

GROUNDWATER SAMPLING FIELD DATA FORM

CLIENT: DCP Midstream, LLC		LOCATION: J-42				
WELL NAME: MW-2						
Sampled By: M. Stewart				Date Purged: 3/20/2008		
Weather During Sampling: Fair				Date Sampled: 3/20/2008		
Well Diameter: 2.0"				Time Sampled: 5:00 pm		
EVACUATION DATA						
Description of Measuring Point:		Top of PVC			Analyses: BTEX 8260	
Total Depth of Well:		43.00 ft.				
Depth to Water from Measuring Point:		27.32 ft.				
Height of Water Column:		15.68 ft.				
Single Casing Volume of Water:		10.45 gal/cv				
Volume to Purge Prior to Sampling:		8.00 gal				
Volume Purged Prior to Sampling:		32.0 gal				
Method of Purging/Equipment: 12-volt pump/bailer				Flow Rate:		
Method of Sampling/Equipment: Bailer				Flow Rate: n/a		
FIELD PARAMETERS	Casing Volume	1	2	3	4	5
pH	pH	6.80	6.82	6.85	--	--
Temperature	°C	20.7	20.6		--	--
Conductance	mS/cm	5.910	6.170	6.300	--	--
Turbidity	NTU/FTU	--	--	--	--	--
PID / COD / DO / TOC		--	--	--	--	--
NOTES:						

GROUNDWATER SAMPLING FIELD DATA FORM

CLIENT: DCP Midstream, LLC		LOCATION: J-42				
WELL NAME: MW-3						
Sampled By: M. Stewart				Date Purged: 3/20/2008		
Weather During Sampling: Fair				Date Sampled: 3/20/2008		
Well Diameter: 2.0"				Time Sampled: 3:50 pm		
EVACUATION DATA						
Description of Measuring Point:		Top of PVC			Analyses: BTEX 8260	
Total Depth of Well:		43.00 ft.				
Depth to Water from Measuring Point:		26.09 ft.				
Height of Water Column:		16.91 ft.				
Single Casing Volume of Water:		2.8 gal/cv				
Volume to Purge Prior to Sampling:		8.0 gal				
Method of Purging/Equipment: Hand Bailed / Dedicated Bailer				Flow Rate: n/a		
Method of Sampling/Equipment: Dedicated Bailer				Flow Rate: n/a		
FIELD PARAMETERS	Casing Volume	1	2	3	4	5
pH	pH	6.79	6.80	6.78	--	--
Temperature	°C	20.1	20.3	20.4	--	--
Conductance	mS/cm	12.3	14.4	14.6	--	--
Turbidity	NTU/FTU	--	--	--	--	--
PID / COD / DO / TOC		--	--	--	--	--
NOTES:						

GROUNDWATER SAMPLING FIELD DATA FORM

CLIENT: DCP Midstream, LLC		LOCATION: J-42				
WELL NAME: MW-4						
Sampled By: M. Stewart				Date Purged: 3/20/2008		
Weather During Sampling: Fair				Date Sampled: 3/20/2008		
Well Diameter: 2.0"				Time Sampled: 3:50 pm		
EVACUATION DATA						
Description of Measuring Point:		Top of PVC			Analyses: BTEX 8260	
Total Depth of Well:		38.00 ft.				
Depth to Water from Measuring Point:		26.54 ft.				
Height of Water Column:		11.46 ft.				
Single Casing Volume of Water:		1.91 gal/cv				
Volume to Purge Prior to Sampling:		5.73 gal				
Volume Purged Prior to Sampling:		~6.0 gal				
Method of Purging/Equipment: Hand Bailed / Dedicated Bailer				Flow Rate: n/a		
Method of Sampling/Equipment: Dedicated Bailer				Flow Rate: n/a		
FIELD PARAMETERS	Casing Volume	1	2	3	4	5
pH	pH	6.92	6.98	7.00	--	--
Temperature	°C	20.0	19.0	19.8	--	--
Conductance	mS/cm	3.960	4.130	4.190	--	--
Turbidity	NTU/FTU	--	--	--	--	--
PID / COD / DO / TOC		--	--	--	--	--
NOTES:						

GROUNDWATER SAMPLING FIELD DATA FORM

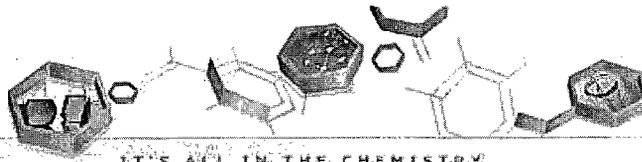
CLIENT: DCP Midstream, LLC		LOCATION: J-42				
WELL NAME: MW-6						
Sampled By: M. Stewart				Date Purged: 3/20/2008		
Weather During Sampling: Fair				Date Sampled: 3/20/2008		
Well Diameter: 2.0"				Time Sampled: 2:55 pm		
EVACUATION DATA						
Description of Measuring Point:		Top of PVC			Analyses: BTEX 8260 / MS-MSD	
Total Depth of Well:		38.00 ft.				
Depth to Water from Measuring Point:		27.43 ft.				
Height of Water Column:		10.57 ft.				
Single Casing Volume of Water:		1.76 gal/cv				
Volume to Purge Prior to Sampling:		5.28 gal				
Volume Purged Prior to Sampling:		~6.0 gal				
Method of Purging/Equipment: Hand Bailed / Dedicated Bailer				Flow Rate: n/a		
Method of Sampling/Equipment: Dedicated Bailer				Flow Rate: n/a		
FIELD PARAMETERS	Casing Volume	1	2	3	4	5
pH	pH	7.19	7.21	7.19	--	--
Temperature	°C	19.7	19.7	19.7	--	--
Conductance	mS/cm	2.140	2.010	1.950	--	--
Turbidity	NTU/FTU	--	--	--	--	--
PID / COD / DO / TOC		--	--	--	--	--
NOTES:						

GROUNDWATER SAMPLING FIELD DATA FORM

CLIENT: DCP Midstream, LLC		LOCATION: J-42				
WELL NAME: MW-7						
Sampled By: M. Stewart				Date Purged: 3/20/2008		
Weather During Sampling: Fair				Date Sampled: 3/20/2008		
Well Diameter: 2.0"				Time Sampled: 2:35 pm		
EVACUATION DATA						
Description of Measuring Point:		Top of PVC			Analyses: BTEX 8260	
Total Depth of Well:		40.00 ft.				
Depth to Water from Measuring Point:		29.35 ft.				
Height of Water Column:		10.65 ft.				
Single Casing Volume of Water:		1.76 gal/cv				
Volume to Purge Prior to Sampling:		5.32 gal				
Volume Purged Prior to Sampling:		~6.0 gal				
Method of Purging/Equipment: Hand Bailed / Dedicated Bailer				Flow Rate: n/a		
Method of Sampling/Equipment: Dedicated Bailer				Flow Rate: n/a		
FIELD PARAMETERS	Casing Volume	1	2	3	4	5
pH	pH	7.05	7.05	7.08	--	--
Temperature	°C	19.1	19.7	19.7	--	--
Conductance	mS/cm	3.960	3.970	3.960	--	--
Turbidity	NTU/FTU	--	--	--	--	--
PID / COD / DO / TOC		--	--	--	--	--
NOTES:						

GROUNDWATER SAMPLING FIELD DATA FORM

CLIENT: DCP Midstream, LLC		LOCATION: J-42				
WELL NAME: MW-8						
Sampled By: M. Stewart				Date Purged: 3/20/2008		
Weather During Sampling: Fair				Date Sampled: 3/20/2008		
Well Diameter: 2.0"				Time Sampled: 2:15 pm		
EVACUATION DATA						
Description of Measuring Point:		Top of PVC			Analyses: BTEX 8260	
Total Depth of Well:		38.00 ft.				
Depth to Water from Measuring Point:		28.15 ft.				
Height of Water Column:		9.85 ft.				
Single Casing Volume of Water:		1.64 gal/cv				
Volume to Purge Prior to Sampling:		4.92 gal				
Volume Purged Prior to Sampling:		~5.5 gal				
Method of Purging/Equipment: Hand Bailed / Dedicated Bailer				Flow Rate: n/a		
Method of Sampling/Equipment: Dedicated Bailer				Flow Rate: n/a		
FIELD PARAMETERS	Casing Volume	1	2	3	4	5
pH	pH	7.08	7.09	7.12	--	--
Temperature	°C	20.1	19.7	19.6	--	--
Conductance	mS/cm	2.370	2.350	2.340	--	--
Turbidity	NTU/FTU	--	--	--	--	--
PID / COD / DO / TOC		--	--	--	--	--
NOTES:						



IT'S ALL IN THE CHEMISTRY

04/03/08

Technical Report for

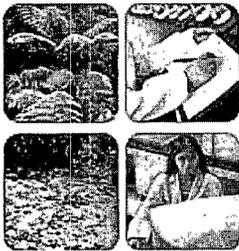
DCP Midstream, LLC

DEFS J-4-2

DCP Midstream J42

Accutest Job Number: T21483

Sampling Date: 03/20/08



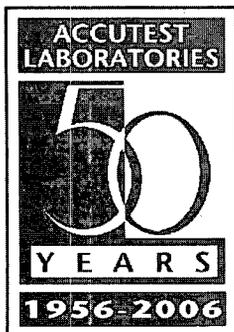
Report to:

American Environmental Consulting

mstewart@aecdenver.com

ATTN: Mike Stewart

Total number of pages in report: 27



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.

Ron Martino
Laboratory Manager

Client Service contact: Agnes Vicknair 713-271-4700

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Test results relate only to samples analyzed.

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Sample Summary

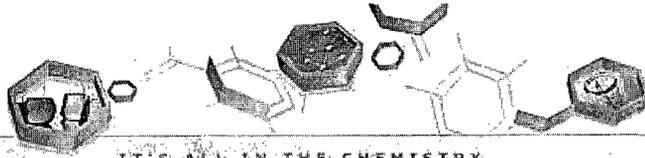
DCP Midstream, LLC

Job No: T21483

DEFS J-4-2

Project No: DCP Midstream J42

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
T21483-1	03/20/08	16:15 AEC	03/25/08	AQ	Ground Water	MW-1
T21483-2	03/20/08	00:00 AEC	03/25/08	AQ	Ground Water	MW-2
T21483-3	03/20/08	15:25 AEC	03/25/08	AQ	Ground Water	MW-3
T21483-4	03/20/08	15:50 AEC	03/25/08	AQ	Ground Water	MW-4
T21483-5	03/20/08	14:55 AEC	03/25/08	AQ	Ground Water	MW-6
T21483-5D	03/20/08	14:55 AEC	03/25/08	AQ	Water Dup/MSD	MW-6 MSD
T21483-5S	03/20/08	14:55 AEC	03/25/08	AQ	Water Matrix Spike	MW-6 MS
T21483-6	03/20/08	14:35 AEC	03/25/08	AQ	Ground Water	MW-7
T21483-7	03/20/08	14:15 AEC	03/25/08	AQ	Ground Water	MW-8
T21483-8	03/20/08	00:00 AEC	03/25/08	AQ	Ground Water	DUP
T21483-9	03/20/08	00:00 AEC	03/25/08	AQ	Trip Blank Water	TRIP BLANK



IT'S ALL IN THE CHEMISTRY

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	03/20/08
Lab Sample ID:	T21483-1	Date Received:	03/25/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	DEFS J-4-2		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0132818.D	1	03/27/08	NAZ	n/a	n/a	VB1658
Run #2							

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

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.0416	0.0020	0.00046	mg/l	
108-88-3	Toluene	0.0186	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	0.0177	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	0.260	0.0060	0.0014	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		73-126%
17060-07-0	1,2-Dichloroethane-D4	89%		61-136%
2037-26-5	Toluene-D8	96%		80-125%
460-00-4	4-Bromofluorobenzene	98%		65-147%

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: MW-2	Date Sampled: 03/20/08
Lab Sample ID: T21483-2	Date Received: 03/25/08
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: DEFS J-4-2	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0132819.D	1	03/27/08	NAZ	n/a	n/a	VB1658
Run #2							

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

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.188	0.0020	0.00046	mg/l	
108-88-3	Toluene	0.0062	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	0.0262	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	0.125	0.0060	0.0014	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		73-126%
17060-07-0	1,2-Dichloroethane-D4	84%		61-136%
2037-26-5	Toluene-D8	96%		80-125%
460-00-4	4-Bromofluorobenzene	98%		65-147%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3	Date Sampled:	03/20/08
Lab Sample ID:	T21483-3	Date Received:	03/25/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	DEFS J-4-2		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0132820.D	1	03/27/08	NAZ	n/a	n/a	VB1658
Run #2							

Run #	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%		73-126%
17060-07-0	1,2-Dichloroethane-D4	90%		61-136%
2037-26-5	Toluene-D8	94%		80-125%
460-00-4	4-Bromofluorobenzene	100%		65-147%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4	Date Sampled:	03/20/08
Lab Sample ID:	T21483-4	Date Received:	03/25/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	DEFS J-4-2		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0132830.D	1	03/28/08	NAZ	n/a	n/a	VB1659
Run #2							

Run #	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	100%		73-126%
17060-07-0	1,2-Dichloroethane-D4	97%		61-136%
2037-26-5	Toluene-D8	94%		80-125%
460-00-4	4-Bromofluorobenzene	98%		65-147%

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:	MW-6	Date Sampled:	03/20/08
Lab Sample ID:	T21483-5	Date Received:	03/25/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	DEFS J-4-2		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0132844.D	1	03/28/08	NAZ	n/a	n/a	VB1660
Run #2							

Run #	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	95%		73-126%
17060-07-0	1,2-Dichloroethane-D4	91%		61-136%
2037-26-5	Toluene-D8	95%		80-125%
460-00-4	4-Bromofluorobenzene	96%		65-147%

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:	MW-7	Date Sampled:	03/20/08
Lab Sample ID:	T21483-6	Date Received:	03/25/08
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	DEFS J-4-2		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0132831.D	1	03/28/08	NAZ	n/a	n/a	VB1659
Run #2							

Run #	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	101%		73-126%
17060-07-0	1,2-Dichloroethane-D4	100%		61-136%
2037-26-5	Toluene-D8	97%		80-125%
460-00-4	4-Bromofluorobenzene	102%		65-147%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-8	Date Sampled: 03/20/08
Lab Sample ID: T21483-7	Date Received: 03/25/08
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: DEFS J-4-2	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0132832.D	1	03/28/08	NAZ	n/a	n/a	VB1659
Run #2							

Run #	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	100%		73-126%
17060-07-0	1,2-Dichloroethane-D4	101%		61-136%
2037-26-5	Toluene-D8	98%		80-125%
460-00-4	4-Bromofluorobenzene	98%		65-147%

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	Date Sampled: 03/20/08
Lab Sample ID: T21483-8	Date Received: 03/25/08
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: DEFS J-4-2	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0132833.D	1	03/28/08	NAZ	n/a	n/a	VB1659
Run #2							

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

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.0310	0.0020	0.00046	mg/l	
108-88-3	Toluene	0.0123	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	0.0107	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	0.170	0.0060	0.0014	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		73-126%
17060-07-0	1,2-Dichloroethane-D4	96%		61-136%
2037-26-5	Toluene-D8	95%		80-125%
460-00-4	4-Bromofluorobenzene	96%		65-147%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK	Date Sampled:	03/20/08
Lab Sample ID:	T21483-9	Date Received:	03/25/08
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	DEFS J-4-2		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0132834.D	1	03/28/08	NAZ	n/a	n/a	VB1659
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	97%		73-126%
17060-07-0	1,2-Dichloroethane-D4	99%		61-136%
2037-26-5	Toluene-D8	93%		80-125%
460-00-4	4-Bromofluorobenzene	94%		65-147%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range 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

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 . FAX: 732-329-3499/3480

Accutest Job #: **T21483**
Accutest Quote #:

Client Information				Facility Information				Analytical Information													
DCP Midstream				American Environmental Consulting, LP																	
Name 370 Seventeenth Street, Suite 2500				Project Name																	
Address Denver CO 80202				Location																	
City State Zip Stephen Weathers				Project/PO #: DCP MidstreamJ42																	
Send Report to: Phone #: 303.605.1718				FAX #:																	
Field ID / Point of Collection	Collection			Matrix	# of bottles	Preservation					BTEX 8260B	MS/MSD FOR BTEX 8260B									
	Date	Time	Sampled By			HCL	NaOH	HNO3	H2SO4	None											
1 MW-1		1615		GW	3	X					X										
2 MW-2				GW	3	X					X										
3 MW-3		1525		GW	3	X					X										
4 MW-4		1350		GW	3	X					X										
5 MW-6		1455		GW	3	X					X										
6 MW-7		1435		GW	3	X					X										
7 MW-8		1415		GW	3	X					X										
8 Dup		0000		GW	3	X					X										
9 Trip				GW	3	X					X										
5 MS/MSD		1435		GW	6	X						X									
Turnaround Information				Data Deliverable Information				Comments / Remarks													
<input type="checkbox"/> 21 Day Standard <input type="checkbox"/> 14 Day <input checked="" type="checkbox"/> 7 Days EMERGENCY <input type="checkbox"/> Other _____ (Days) RUSH TAT is for FAX data unless previously approved.				Approved By: _____ <input type="checkbox"/> NJ Reduced <input type="checkbox"/> NJ Full <input type="checkbox"/> FULL CLP <input type="checkbox"/> Disk Deliverable <input checked="" type="checkbox"/> Other (Specify) _____				<input type="checkbox"/> Commercial "A" <input type="checkbox"/> Commercial "B" <input type="checkbox"/> ASP Category B <input type="checkbox"/> State Forms #REF!				Please include "Hold for Steve Weathers" on the shipping label. Accutest to invoice DCP Midstream, Attn: Steve Weathers									
Sample Custody must be documented below each time samples change possession, including courier delivery.																					
Relinquished by Sampler:	Date Time:	Received By:	Date Time:	Relinquished By:	Date Time:	Received By:	Date Time:	Relinquished By:	Date Time:	Received By:	Date Time:	Relinquished By:	Date Time:								
1	3/24/08	1		2		2		3		3		4									
3	3/25/08	3	a.ucken	4		4		5		5		2.4									
5		5		Seal #	Preserved where applicat	On Ice:															

Fedex#: 865194019107

3.1
3

T21483: Chain of Custody

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VARIANCE MEMO
SAMPLE LOG-IN

SAMPLE(S) 011 DATE 3/25/08
PROJECT 01a
FILED BY AV LAB NO. T21483

VARIANCE - Check applicable items(s):

- Insufficient sample sent for proper analysis; received approx. _____
- Sample bottle received broken and/or cap not intact.
- Samples received without paperwork; paperwork received without samples.
- Samples received without proper refrigeration, when it has been deemed necessary. Temperature at receipt: _____
- Illegible sample number or label missing from bottle.
- Numbers on sample not the same as numbers on paper work.
- Incomplete instructions received with sample(s) i.e., no request for analysis, no chain of custody, incomplete billing instructions, no due date, etc. Temperature at receipt: _____
- Samples received in improper container or lacking proper preservation.
- Physical characteristics different than those on sampling sheets;

Describe:

Rush samples on hold because of incomplete paperwork.
Other (specify) Sx. 1 bottle 1 and Sx. 8 bottle 1 were received w/ an unacceptable headspace. Chain of custody does not indicate any sampling dates for does not indicate Sx. 2's sampling time dates and times are indicated on bottle labels.

CORRECTIVE ACTION TAKEN

- Person Contacted _____ By phone.
- Client informed verbally. _____ Samples processed for information only and noted on report.
- Client informed by memo/letter. _____ Samples processed with higher detection limits accepted.
- Samples processed as is. _____ Samples rejected.
- Samples preserved by lab. _____
- Client will resample and resubmit. _____

Notes: _____

ROUTING

TITLE	DATE	INITIALS	CORRECTED?
Sample Manager:			
Log in:			
Project Manager:	<u>3-25-08</u>	<u>AV</u>	

Comments: Lab is using 2 other vials w/ no headspace used collected date 06 vials, 3/20

Form SMD06



ACCUTEST

SAMPLE RECEIPT LOG

JOB #:

T21483

DATE/TIME RECEIVED:

3/25/08 9:30

CLIENT:

DCP Midstream

INITIALS:

AV

Condition/Variance (Circle "Y" for yes and "N" for no or NA. If "N" is circled, see variance for explanation):

- 1. Y Sample received in undamaged condition.
- 2. Y N Samples received within temp. range.
- 3. Y N Sample received with proper pH.
- 4. Y N Sample received in proper containers.
- 5. Y N Sample volume sufficient for analysis.
- 6. Y N Sample received with chain of custody.
- 7. Y N Chain of Custody matches sample IDs and analysis on containers.
- 8. Y N Samples Headspace acceptable
- 9. Y N NA Custody seal received intact and tamper not evident on cooler.
- 10. Y N NA Custody seal received intact and tamper not evident on bottles.

SAMPLE OF FIELD ID	BOTTLE #	DATE SAMPLED	MATRIX	VOLUME	LOCATION	PRESERV.	PH
1-8	1-3	3/20/08	AB	40ml	vref	1,2,3,4,5,6	U, <, >12, NA
5	4-9					1,2,3,4,5,6	U, <, >12, NA
9	1-2					1,2,3,4,5,6	U, <, >12, NA
 (Remaining rows of the table are crossed out with a large diagonal line) 							

AV
3/25/08

LOCATION: WI: Walk-in VR: Volatile Refrig. SUB: Subcontract EF: Encore Freezer
 PRESERVATIVES: 1: None 2: HCL 3: HNO3 4: H2SO4 5: NAOH 6: Other
 Comments:

pH of waters checked excluding volatiles
 pH of soils N/A

Delivery method: Courier: FedEx

COOLER TEMP: 24

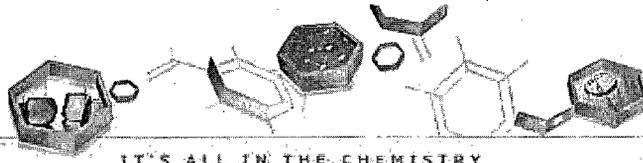
COOLER TEMP:

Form: SM012, Rev.07/28/06, QAO

T21483

Fed's Tracking Number: AB5194019107
 Seller's Name: APC Phone: 702 333 8800
 Company: APC
 Address: 1223 S. BARRA AVE
 City: Las Vegas State: NV ZIP: 89102
 Internal Billing Reference:

T21483: Chain of Custody
Page 4 of 4



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: T21483
Account: DUKE DCP Midstream, LLC
Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1658-MB	B0132805.D	1	03/27/08	NAZ	n/a	n/a	VB1658

4.1
4

The QC reported here applies to the following samples:

Method: SW846 8260B

T21483-1, T21483-2, T21483-3

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	100% 73-126%
17060-07-0	1,2-Dichloroethane-D4	98% 61-136%
2037-26-5	Toluene-D8	94% 80-125%
460-00-4	4-Bromofluorobenzene	95% 65-147%

Method Blank Summary

Job Number: T21483
Account: DUKE DCP Midstream, LLC
Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1659-MB	B0132829.D	1	03/27/08	NAZ	n/a	n/a	VB1659

4.1
4

The QC reported here applies to the following samples:

Method: SW846 8260B

T21483-4, T21483-6, T21483-7, T21483-8, T21483-9

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	99% 73-126%
17060-07-0	1,2-Dichloroethane-D4	101% 61-136%
2037-26-5	Toluene-D8	97% 80-125%
460-00-4	4-Bromofluorobenzene	96% 65-147%

Method Blank Summary

Job Number: T21483
 Account: DUKE DCP Midstream, LLC
 Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1660-MB	B0132838.D	1	03/28/08	NAZ	n/a	n/a	VB1660

4.1
4

The QC reported here applies to the following samples:

Method: SW846 8260B

T21483-5

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	101%	73-126%
17060-07-0	1,2-Dichloroethane-D4	99%	61-136%
2037-26-5	Toluene-D8	98%	80-125%
460-00-4	4-Bromofluorobenzene	98%	65-147%

Blank Spike Summary

Job Number: T21483
Account: DUKE DCP Midstream, LLC
Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1658-BS	B0132803.D	1	03/27/08	NAZ	n/a	n/a	VB1658

4.2
4

The QC reported here applies to the following samples:

Method: SW846 8260B

T21483-1, T21483-2, T21483-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	29.0	116	41-145
100-41-4	Ethylbenzene	25	25.6	102	49-135
108-88-3	Toluene	25	25.6	102	66-128
1330-20-7	Xylene (total)	75	77.9	104	67-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	73-126%
17060-07-0	1,2-Dichloroethane-D4	91%	61-136%
2037-26-5	Toluene-D8	92%	80-125%
460-00-4	4-Bromofluorobenzene	96%	65-147%

Blank Spike/Blank Spike Duplicate Summary

Job Number: T21483
 Account: DUKE DCP Midstream, LLC
 Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1659-BS ^a	B0132826.D	1	03/27/08	NAZ	n/a	n/a	VB1659
VB1659-BSD ^a	B0132827.D	1	03/27/08	NAZ	n/a	n/a	VB1659

4.3
4

The QC reported here applies to the following samples:

Method: SW846 8260B

T21483-4, T21483-6, T21483-7, T21483-8, T21483-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	25	23.7	95	27.5	110	15	41-145/30
100-41-4	Ethylbenzene	25	20.1	80	24.7	99	21	49-135/30
108-88-3	Toluene	25	20.7	83	24.8	99	18	66-128/30
1330-20-7	Xylene (total)	75	60.9	81	74.8	100	20	67-122/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	99%	99%	73-126%
17060-07-0	1,2-Dichloroethane-D4	93%	88%	61-136%
2037-26-5	Toluene-D8	94%	93%	80-125%
460-00-4	4-Bromofluorobenzene	99%	97%	65-147%

(a) No MS/MSD data available due to autosampler failure.

Blank Spike Summary

Job Number: T21483
Account: DUKE DCP Midstream, LLC
Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1660-BS	B0132837.D	1	03/28/08	NAZ	n/a	n/a	VB1660

4.4
4

The QC reported here applies to the following samples:

Method: SW846 8260B

T21483-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	28.6	114	41-145
100-41-4	Ethylbenzene	25	24.9	100	49-135
108-88-3	Toluene	25	25.7	103	66-128
1330-20-7	Xylene (total)	75	76.5	102	67-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	73-126%
17060-07-0	1,2-Dichloroethane-D4	93%	61-136%
2037-26-5	Toluene-D8	95%	80-125%
460-00-4	4-Bromofluorobenzene	99%	65-147%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T21483
 Account: DUKE DCP Midstream, LLC
 Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T21482-4MS	B0132816.D	1	03/27/08	NAZ	n/a	n/a	VB1658
T21482-4MSD	B0132817.D	1	03/27/08	NAZ	n/a	n/a	VB1658
T21482-4	B0132815.D	1	03/27/08	NAZ	n/a	n/a	VB1658

The QC reported here applies to the following samples:

Method: SW846 8260B

T21483-1, T21483-2, T21483-3

CAS No.	Compound	T21482-4 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	25	28.2	113	28.7	115	2	60-131/12
100-41-4	Ethylbenzene	ND	25	24.9	100	25.7	103	3	58-127/13
108-88-3	Toluene	ND	25	26.5	106	27.1	108	2	67-123/11
1330-20-7	Xylene (total)	ND	75	77.1	103	79.5	106	3	62-125/14

CAS No.	Surrogate Recoveries	MS	MSD	T21482-4	Limits
1868-53-7	Dibromofluoromethane	94%	94%	92%	73-126%
17060-07-0	1,2-Dichloroethane-D4	87%	87%	95%	61-136%
2037-26-5	Toluene-D8	98%	96%	95%	80-125%
460-00-4	4-Bromofluorobenzene	99%	100%	95%	65-147%

4.5
4

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T21483
 Account: DUKE DCP Midstream, LLC
 Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T21483-5MS	B0132842.D	1	03/28/08	NAZ	n/a	n/a	VB1660
T21483-5MSD	B0132846.D	1	03/28/08	NAZ	n/a	n/a	VB1660
T21483-5	B0132844.D	1	03/28/08	NAZ	n/a	n/a	VB1660

The QC reported here applies to the following samples:

Method: SW846 8260B

T21483-5

CAS No.	Compound	T21483-5 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	25	28.0	112	29.4	118	5	60-131/12
100-41-4	Ethylbenzene	ND	25	23.5	94	24.8	99	5	58-127/13
108-88-3	Toluene	ND	25	23.7	95	25.8	103	8	67-123/11
1330-20-7	Xylene (total)	ND	75	71.4	95	74.6	99	4	62-125/14

CAS No.	Surrogate Recoveries	MS	MSD	T21483-5	Limits
1868-53-7	Dibromofluoromethane	101%	98%	95%	73-126%
17060-07-0	1,2-Dichloroethane-D4	91%	90%	91%	61-136%
2037-26-5	Toluene-D8	91%	96%	95%	80-125%
460-00-4	4-Bromofluorobenzene	99%	99%	96%	65-147%

4.5
4



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

February 29, 2008

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

**RE: 4th Quarter 2007 Groundwater Monitoring Results
DCP Midstream, LP J-4-2 Pipeline Release
Unit C, Section 27, Township 19 South, Range 35 East
Lea County, New Mexico**

Dear Mr. Price:

DCP Midstream, LP (DCP) is pleased to submit for your review, a copy of the 4th Quarter 2007 Groundwater Monitoring Results for the DCP J-4-2 Pipeline Release located in Lea County, New Mexico (Unit C, Section 27, Township 19 South, Range 35 East). At this time, no RP number has been assigned to this remediation project.

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

A handwritten signature in black ink, appearing to read 'Stephen Weathers', followed by a horizontal line.

Stephen Weathers, PG
Sr. Environmental Specialist

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

February 26, 2008

Mr. Stephen Weathers
DCP Midstream, LP
370 17th Street, Suite 2500
Denver, CO 80202

Re: Summary of the Fourth Quarter 2007 Groundwater Monitoring Results for the
DCP J-4-2 Pipeline Release in Lea County New Mexico
Unit C, Section 27 Township 19 South, Range 35 East

Dear Mr. Weathers:

This report summarizes the fourth quarter 2007 groundwater monitoring activities completed at the J-4-2 release location for DCP Midstream, LP. The site is located in the northeastern quarter of the northwestern quarter (Unit C) of Section 27, Township 19 South, Range 35 East approximately 3 miles south of the of intersection of US Highway 82 and State Highway 483 (Utah Junction) in Lea County New Mexico (Figure 1). The approximate coordinates are 32.647° north and 103.447° west.

The monitoring network includes the seven groundwater monitoring wells shown on Figure 2. Table 1 summarizes construction information for each well. Note that monitoring well MW-5 was not installed because of drilling refusal.

GROUNDWATER SAMPLING

Groundwater sampling was completed on November 30, 2007. The depth to water was measured in each well prior to conducting the purging and sampling activities. The calculated groundwater elevations for all monitoring episodes are summarized in Table 2.

The approximate water-table elevation for any well containing free phase hydrocarbons (FPH) was estimated using the following formula:

$$GWE_{\text{corr}} = MGWE + (FPHT * PD): \text{ where}$$

- MGWE is the actual measured groundwater elevation;
- FPHT is the measured free-phase hydrocarbon thickness; and
- PD is the FPH density (assumed at 0.73).

The historic FPH thickness values are summarized in Table 3. No FPH was measured in any well during this sampling event for the first time. The FPH thickness has been less than 0.1 foot (1.2 inches) since December 2006.

All of the wells were purged and sampled using the standard protocols for this site. Purging was completed using dedicated bailers until a minimum of three casing volumes of water was removed and the field parameters temperature, pH and conductivity stabilized. The well purging forms are attached. The affected purge water was disposed at the DCP Linam Ranch facility.

Unfiltered samples were collected upon stabilization using the dedicated bailers. All samples were placed in an ice-filled chest immediately upon collection and delivered to ACCUTEST Laboratories using standard chain-of-custody protocol. The samples were analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX).

The laboratory analyses for the sampling episode are summarized in Table 4. The laboratory report is attached. Table 5 provides the quality assurance/quality control (QA/QC) information. The QA/QC evaluation includes:

- The sample container temperature was 4.8 degrees centigrade when received at the lab.
- All of the individual surrogate spikes were within their control limits.
- The relative percentage difference (RPD) values for the MW-2 duplicates were less than 10 percent.
- The matrix spike and matrix spike duplicate results from MW-8 were within the control limits for all four constituents.

The above data indicate that the data is suitable as monitoring data.

RESULTS AND INTERPRETATIONS

The results and interpretations presented below are based upon all of the data collected to date. Groundwater flow is discussed first. Evaluation of the organic data follows.

Groundwater Flow

Figure 3 includes hydrographs for the corrected water-table elevations for all site wells. The water table increased by approximately 0.5 feet in all wells.

The resulting December 2007 calculated groundwater contours as generated using the Surfer® program with the kriging option are shown on Figure 4. The water table elevation measured in MW-2 remains anomalously high. The December 2007 water table exhibits the historic southeast gradient.

Groundwater Chemistry

The December 2007 data is summarized in Table 4. The New Mexico Water Quality Control Commission (NMWQCC) groundwater standards are reproduced at the top of the table. Any constituents that exceeds these standards are bolded. Examination of Table 4 shows that benzene in MW-1 was the only constituent exceeding the standards. The benzene concentration of 0.0011 mg/l measured in MW-3 indicates the constituent was measured below the method reporting limit but above the method detection limit.

The data for all of the organic constituents are summarized in Table 6. Examination of Table 6 indicates the following:

- The toluene, ethylbenzene and total xylenes concentrations have never exceeded the NMWQCC standards.
- The benzene concentration in MW-1 increased between the third and fourth quarter 2007 sampling events.
- The benzene concentration in MW-2 remained unchanged between the third and fourth quarter 2007 sampling events.
- The BTEX concentrations in MW-3 have remained below the method reporting limits with the exception of one the two June 2007 samples.
- The benzene concentration in MW-4 remained below the method reporting limit for the third consecutive quarter.
- None of the BTEX constituents have ever been detected in down-gradient wells MW-6, MW-7 and MW-8.

CONCLUSIONS AND RECOMMENDATIONS

Based upon the data collected to date, AEC concludes that:

1. The disappearance of the thin layer of mobile FPH probably resulted from the rise of the water table. The FPH may or may not reappear given its nominal (<0.1 foot) thickness.
2. Groundwater flow is constant toward the southeast with the exception of an small area surrounding MW-2. Any migration deflection resulting from this anomaly should be minimal.
3. The presence of dissolved phase BTEX constituents is limited to the original release area as defined by MW-1 and MW-2.
4. The dissolved-phase hydrocarbon plume associated with the DCP J-4-2 pipeline release is either stable or contracting;

AEC recommends continued quarterly groundwater monitoring to verify continuance of the trends discussed above. The next groundwater-monitoring event is scheduled for the first quarter of 2008.

Mr. Stephen Weathers
February 26, 2008
Page 4

Do not hesitate to contact me if you have any questions or comments on this letter.

Sincerely,
AMERICAN ENVIRONMENTAL CONSULTING, LLC

Michael H. Stewart

Michael H. Stewart, P.E., C.P.G.
Principal Engineer

MHS/tbm
attachments

TABLES

Table 1 – Summary of Monitoring Well Completions at the J-4-2 Site

Name	Date Installed	Stickup	Casing Diameter (inches)	Total Depth (btoc)	Screen Interval (ground)	Sand Interval
MW-1	2/06	3.17	2	43.05	19-39	17-39
MW-2	2/06	3.08	4	43.30	19-39	17-39
MW-3	2/06	3.21	2	43.00	19-39	17-39
MW-4	9/06	3.12	2	38.12	20-35	18-35
MW-5	Not installed because of drilling refusal					
MW-6	9/06	3.32	2	38.32	20-35	18-35
MW-7	9/06	2.95	2	39.45	21.5-36.5	19.5-36.5
MW-8	9/06	3.32	2	38.32	20-35	18-35

All units are feet except as noted
 btoc: Below top of casing

Table 2 - Summary of Water Table Elevations for the J-4-2 Site

	2/15/06	9/25/06	12/21/06	3/14/07	6/26/07	9/25/07	11/30/07
MW-1	3713.61	3712.60	3712.63	3712.29	3712.15	3711.86	3712.42
MW-2	3713.93	3713.48	3712.49	3712.75	3712.63	3712.34	3712.91
MW-3	3713.36	3712.57	3712.57	3712.55	3712.79	3711.50	3712.09
MW-4		3712.80	3712.82	3712.78	3713.25	3712.98	3713.48
MW-6		3711.76	3712.00	3711.96	3711.87	3711.56	3711.92
MW-7		3711.03	3710.80	3710.73	3710.50	3709.87	3710.33
MW-8		3709.22	3708.95	3708.79	3708.54	3708.06	3708.33

Units are feet

Blank cells: wells not installed

Table 3 - Summary of Free Phase Hydrocarbon Thickness Values for MW-1 and MW-2

Date	MW-1	MW-2
02/15/06	0.00	0.57
09/25/06	0.00	0.15
12/21/06	0.09	0.13
03/14/07	0.07	0.10
06/26/07	0.09	0.00
9/25/07	0.09	0.03
11/30/07	0.00	0.00

Units are feet

Table 4 - Summary of November 30, 2007 Groundwater Sampling Results

Well	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Groundwater Standard	0.01	0.75	0.75	0.62
MW-1	0.107	0.0243	0.0401	0.39
MW-2	0.006	0.0033	0.0025	0.0613
MW-2 Dup	0.0062	0.003	0.0023	0.0577
MW-3	0.0011J	<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	<0.002	<0.002	<0.002	<0.006
MW-8	<0.002	<0.002	<0.002	<0.006
Trip	<0.002	<0.002	<0.002	<0.006

Notes: Units are mg/l,
 MW-5 was not installed because of drilling refusal
 A J modifier indicates the constituent was measured below the method reporting limit but above the method detection limit.

Table 5 - Quality Assurance Evaluation for the December 2007 Data

MW-2 Duplicate Samples

	Benzene	Toluene	Ethylbenzene	Total Xylenes
RPD (%)	3.3%	9.5%	8.3%	6.1%

MW-8 Matrix Spike and Matrix Spike Duplicate Results

	Benzene	Toluene	Ethylbenzene	Total Xylenes
MS	112	108	106	106
MSD	105	106	101	104

Units are percent recovery

MS: matrix spike

MSD: matrix spike duplicate

Table 6 – Summary of Organic Groundwater Data

Well	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-1	2/06	0.139	0.326	0.34	0.31
	9/06	0.0418	0.0048	0.0247	0.0605
Dup	9/06	0.0555	0.0068	0.032	0.0782
	12/06	FPH	FPH	FPH	FPH
	3/07	FPH	FPH	FPH	FPH
	6/07	FPH	FPH	FPH	FPH
	9/07	0.0114	0.0029	0.0035	0.0978
	11/07	0.107	0.0243	0.0401	0.39
MW-2	6/07	0.0262	0.0382	0.0404	0.335
	9/07	0.0045	<0.001	0.0027	0.0471
	11/07	0.006	0.0033	0.0025	0.0613
Dup	11/07	0.0062	0.003	0.0023	0.0577
MW-3	2/06	<0.001	<0.001	<0.001	<0.002
	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
Dup	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	0.0029	0.0053	0.0015	0.0097
Dup	6/07	<0.001	<0.001	<0.001	<0.001
	9/07	<0.001	<0.001	<0.001	<0.001
	9/07	<0.001	<0.001	<0.001	<0.001
	11/07	0.0011J	<0.002	<0.002	<0.006
MW-4	9/06	0.0086	0.00093J	0.0092	0.0061
	12/06	0.0295	0.0058	<0.002	0.0075
Dup	12/06	0.0207	0.004	<0.002	0.0054
	3/07	0.0044	0.0006	<0.002	0.0032
	6/07	<0.001	<0.001	<0.001	0.0025
	9/07	<0.001	<0.001	<0.001	<0.001
	11/07	<0.002	<0.002	<0.002	<0.006

Notes: Units are mg/l, FPH: No sample because FPH is present:
 MW-5 was never installed
 J modifiers are not included in this table

Table 6 – Summary of Organic Groundwater Data (continued)

Well	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-6	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	<0.001	<0.001	<0.001	<0.001
	9/07	<0.001	<0.001	<0.001	<0.001
	11/07	<0.002	<0.002	<0.002	<0.006
MW-7	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	<0.001	<0.001	<0.001	0.0027
	9/07	<0.001	<0.001	<0.001	<0.001
	11/07	<0.002	<0.002	<0.002	<0.006
MW-8	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	<0.001	<0.001	<0.001	<0.001
	9/07	<0.001	<0.001	<0.001	<0.001
	11/07	<0.002	<0.002	<0.002	<0.006

Notes: Units are mg/l, FPH:
 MW-5 was never installed
 J modifiers are not included in this table

FIGURES

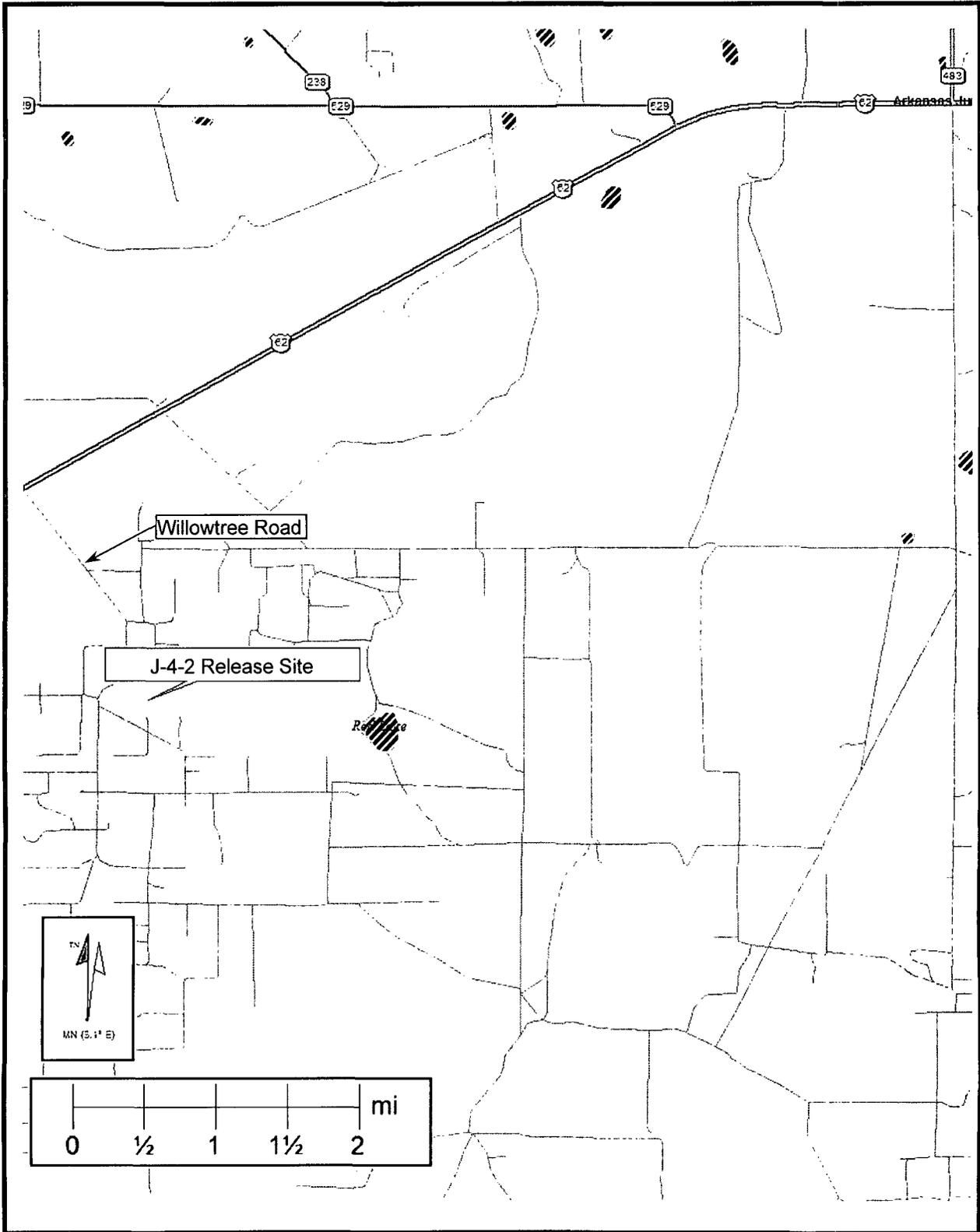


Figure 1 – Site Location
 J-4-2 Groundwater Monitoring



DRAWN BY: MHS
REVISED:
DATE: 5/06

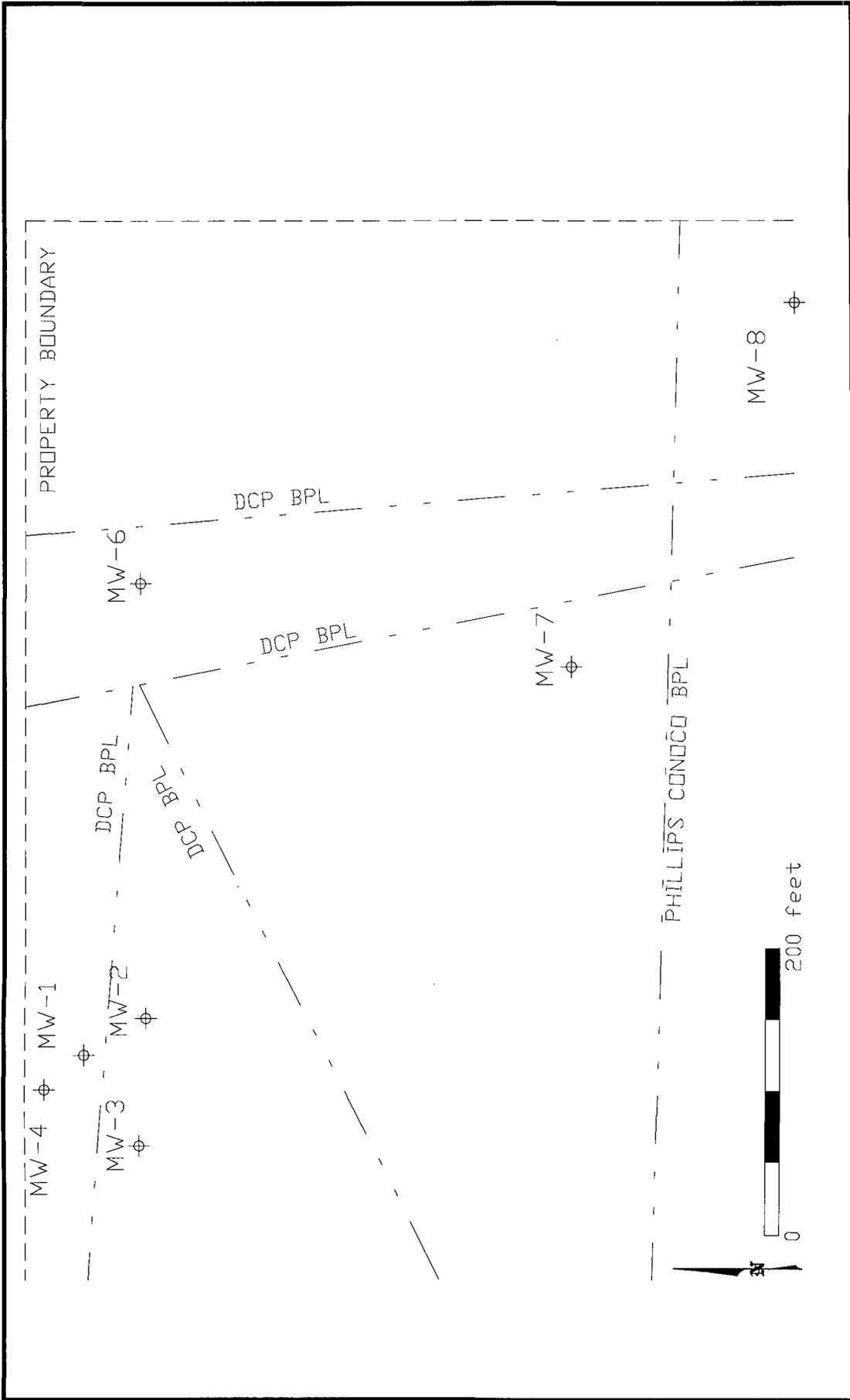


Figure 2 – Site Details

I-4-2 Groundwater Monitoring	
dgp Midstream	DRAWN BY: MHS DATE: 2/08

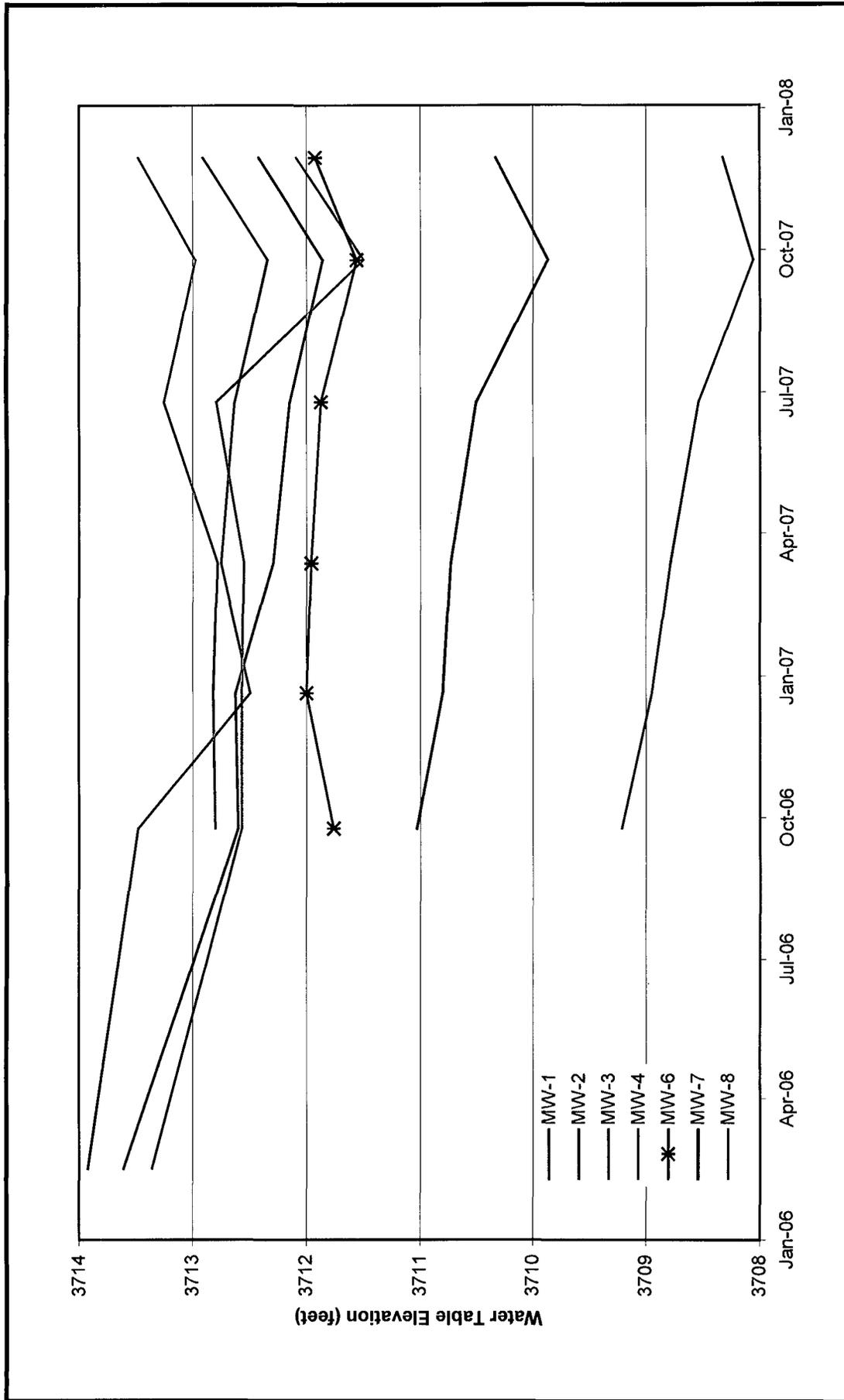


Figure 3 – Monitoring Well Hydrographs

I-4-2 Groundwater Monitoring

DRAWN BY: MHS

DATE: 2/08



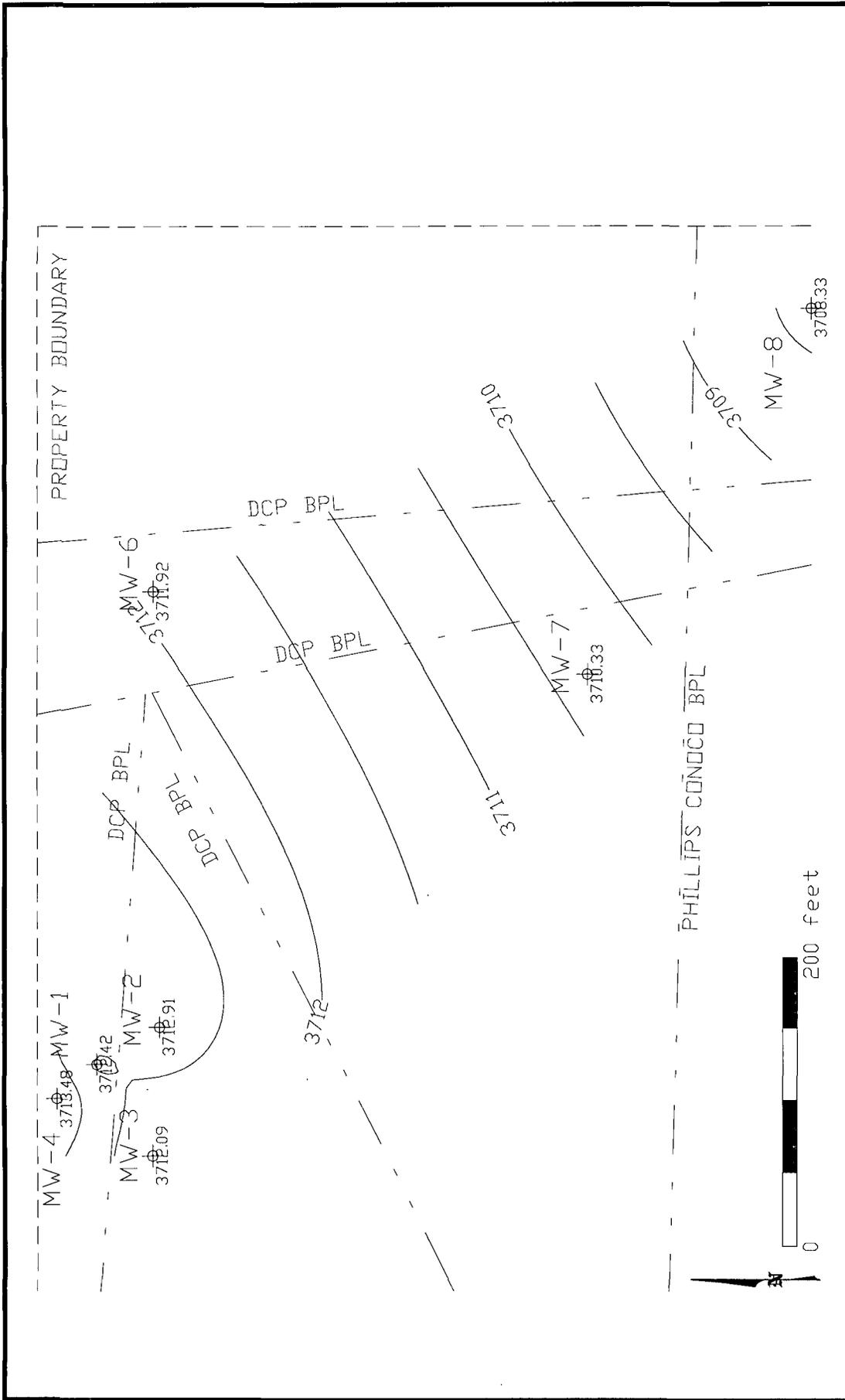


Figure 4 – December 2007 Water Table Contours

L-4-2 Groundwater Monitoring
dep Midstream
 DRAWN BY: MHS
 DATE: 2/08

Contour interval is 0.5 feet

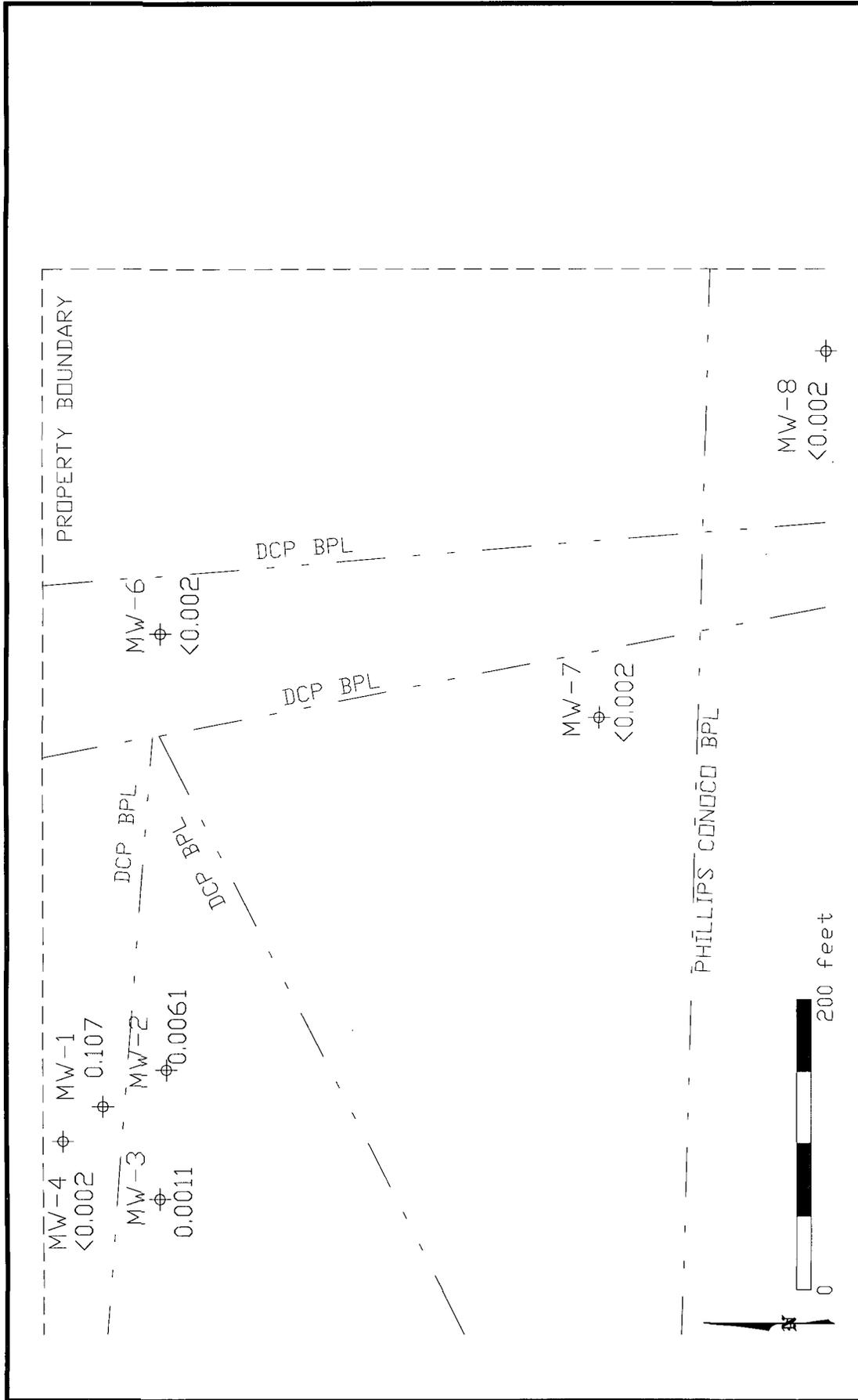


Figure 5 - December 2007 Benzene Results

I-4-2 Groundwater Monitoring

DRAWN BY: MHS

DATE: 2/08



**GROUNDWATER SAMPLING NOTES
AND LABORATORY ANALYTICAL REPORT**

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-1
 SITE NAME: J42 (Pipeline Leak) DATE: 11/30/2007
 PROJECT NO. F-119 SAMPLER: J. Ferguson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 43.05 Feet

DEPTH TO WATER: 28.03 Feet

HEIGHT OF WATER COLUMN: 15.02 Feet

WELL DIAMETER: 4.0 Inch

29.4 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 1.96)

TIME	VOLUME PURGED	TEMP. °C	COND. m S/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
15:07	0.0	-	-	-	-	-	Begin Hand Bailing
15:26	20.0	-	-	-	-	-	FPH Accumulating Inside & Outside of Bailer!
0:19 :Total Time (hr:min)		20 :Total Vol (gal)		1.05 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 071130 1530

ANALYSES: BTEX (8260)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-2
 SITE NAME: J42 (Pipeline Leak) DATE: 11/30/2007
 PROJECT NO. F-119 SAMPLER: J. Ferguson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 43.30 Feet

DEPTH TO WATER: 27.71 Feet

HEIGHT OF WATER COLUMN: 15.59 Feet

WELL DIAMETER: 2.0 Inch

7.6 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
14:36	0.0	-	-	-	-	-	Begin Hand Bailing
14:41	2.7	19.7	>4.00	6.91	-	-	
14:47	5.4	19.7	>4.00	6.92	-	-	
14:53	8.1	19.7	>4.00	6.93	-	-	
0:17 :Total Time (hr:min)		8.1 :Total Vol (gal)		0.47 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 071130 1455

ANALYSES: BTEX (8260)

COMMENTS: Collected Duplicate "A" Sample No.: 0711301600

a

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-3
 SITE NAME: J42 (Pipeline Leak) DATE: 11/30/2007
 PROJECT NO. F-119 SAMPLER: J. Ferguson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 43.00 Feet

DEPTH TO WATER: 27.30 Feet

HEIGHT OF WATER COLUMN: 15.70 Feet

WELL DIAMETER: 2.0 Inch

7.7 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
14:07	0.0	-	-	-	-	-	Begin Hand Bailing
14:12	2.7	19.8	3.86	7.08	-	-	
14:17	5.4	19.8	3.80	7.02	-	-	
14:22	8.1	19.7	3.83	7.02	-	-	
0:15 :Total Time (hr:min)		8.1 :Total Vol (gal)		0.54 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 071130 1425

ANALYSES: BTEX (8260)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-4
 SITE NAME: J42 (Pipeline Leak) DATE: 11/30/2007
 PROJECT NO. F-119 SAMPLER: J. Ferguson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 38.12 Feet

DEPTH TO WATER: 26.76 Feet

HEIGHT OF WATER COLUMN: 11.36 Feet

WELL DIAMETER: 2.0 Inch

5.6 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
13:43	0.0	-	-	-	-	-	Begin Hand Bailing
13:46	2.0	19.9	3.06	7.07	-	-	
13:49	4.0	19.8	>4.00	6.84	-	-	
13:54	6.0	19.7	>4.00	6.88	-	-	
0:11 :Total Time (hr:min)		6 :Total Vol (gal)		0.54 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 071130 1355

ANALYSES: BTEX (8260)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-6
 SITE NAME: J42 (Pipeline Leak) DATE: 11/30/2007
 PROJECT NO. F-119 SAMPLER: J. Fergerson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 38.32 Feet

DEPTH TO WATER: 28.04 Feet

HEIGHT OF WATER COLUMN: 10.28 Feet

WELL DIAMETER: 2.0 Inch

5.0 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. m S/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
14:16	0.0	-	-	-	-	-	Begin Hand Bailing
14:19	2.0	18.2	2.21	7.67	-	-	
14:23	4.0	17.9	1.98	7.70	-	-	
14:27	6.0	17.9	1.90	7.73	-	-	
0:11 :Total Time (hr:min)		6 :Total Vol (gal)		0.54 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 071130 1429

ANALYSES: BTEX (8260)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-7
 SITE NAME: J42 (Pipeline Leak) DATE: 11/30/2007
 PROJECT NO. F-119 SAMPLER: J. Ferguson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 39.45 Feet

DEPTH TO WATER: 30.40 Feet

HEIGHT OF WATER COLUMN: 9.05 Feet

WELL DIAMETER: 2.0 Inch

4.4 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
13:52	0.0	-	-	-	-	-	Begin Hand Bailing
13:56	2.0	18.3	3.68	7.49	-	-	
14:00	4.0	18.2	3.68	7.49	-	-	
14:04	6.0	18.1	3.68	7.49	-	-	
0:12 :Total Time (hr:min)		6 :Total Vol (gal)		0.50 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 071130 1406

ANALYSES: BTEX (8260)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-8
 SITE NAME: J42 (Pipeline Leak) DATE: 11/30/2007
 PROJECT NO. F-119 SAMPLER: J. Ferguson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 38.32 Feet

DEPTH TO WATER: 28.99 Feet

HEIGHT OF WATER COLUMN: 9.33 Feet

WELL DIAMETER: 2.0 Inch

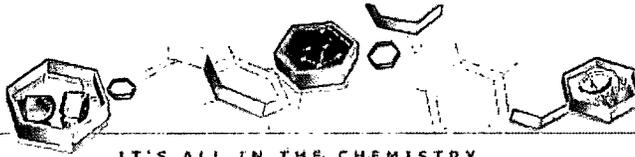
4.6 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
13:23	0.0	-	-	-	-	-	Began Hand Bailing
13:26	2.0	19.6	2.47	7.53	-	-	
13:29	4.0	18.8	2.44	7.49	-	-	
13:33	6.0	18.6	2.53	7.50	-	-	
0:10 : Total Time (hr:min)		6 : Total Vol (gal)		0.60 : Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 071130 1334

ANALYSES: BTEX (8260)

COMMENTS: Collected MS/MSD Samples



Technical Report for

DCP Midstream, LLC

DEFS J-4-2

Accutest Job Number: T19959

Sampling Date: 11/30/07

Report to:

American Environmental Consulting

mstewart@aecdenver.com

ATTN: Mike Stewart

Total number of pages in report: 26



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.

Ron Martino
Laboratory Manager

Client Service contact: Agnes Vicknair 713-271-4700

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Test results relate only to samples analyzed.



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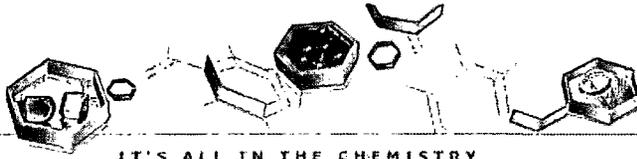
Sample Summary

DCP Midstream, LLC

Job No: T19959

DEFS J-4-2

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
T19959-1	11/30/07	15:30 DL	12/04/07	AQ Ground Water	MW-1 (0711301530)
T19959-2	11/30/07	14:55 DL	12/04/07	AQ Ground Water	MW-2 (0711301455)
T19959-3	11/30/07	14:25 DL	12/04/07	AQ Ground Water	MW-3 (0711301425)
T19959-4	11/30/07	13:55 DL	12/04/07	AQ Ground Water	MW-4 (0711301355)
T19959-5	11/30/07	14:29 DL	12/04/07	AQ Ground Water	MW-6 (0711301429)
T19959-6	11/30/07	14:06 DL	12/04/07	AQ Ground Water	MW-7 (0711301604)
T19959-7	11/30/07	13:34 DL	12/04/07	AQ Ground Water	MW-8 (0711301334)
T19959-7D	11/30/07	13:34 DL	12/04/07	AQ Water Dup/MSD	MW-8 (0711301334) MSD
T19959-7S	11/30/07	13:34 DL	12/04/07	AQ Water Matrix Spike	MW-8 (0711301334) MS
T19959-8	11/30/07	16:00 DL	12/04/07	AQ Ground Water	DUPLICATE "A" (0711301600)
T19959-9	11/30/07	00:00 DL	12/04/07	AQ Trip Blank Water	TRIP BLANK



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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: MW-1 (0711301530)	
Lab Sample ID: T19959-1	Date Sampled: 11/30/07
Matrix: AQ - Ground Water	Date Received: 12/04/07
Method: SW846 8260B	Percent Solids: n/a
Project: DEFS J-4-2	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0130908.D	1	12/07/07	ZLH	n/a	n/a	VB1553
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	0.107	0.0020	0.00046	mg/l	
108-88-3	Toluene	0.0243	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	0.0401	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	0.390	0.0060		mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		76-125%
17060-07-0	1,2-Dichloroethane-D4	115%		69-128%
2037-26-5	Toluene-D8	98%		80-121%
460-00-4	4-Bromofluorobenzene	94%		69-142%

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: MW-2 (0711301455)	
Lab Sample ID: T19959-2	Date Sampled: 11/30/07
Matrix: AQ - Ground Water	Date Received: 12/04/07
Method: SW846 8260B	Percent Solids: n/a
Project: DEFS J-4-2	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0130861.D	1	12/06/07	ZLH	n/a	n/a	VB1551
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	0.0060	0.0020	0.00046	mg/l	
108-88-3	Toluene	0.0033	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	0.0025	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	0.0613	0.0060		mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		76-125%
17060-07-0	1,2-Dichloroethane-D4	122%		69-128%
2037-26-5	Toluene-D8	100%		80-121%
460-00-4	4-Bromofluorobenzene	97%		69-142%

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:	MW-3 (0711301425)	Date Sampled:	11/30/07
Lab Sample ID:	T19959-3	Date Received:	12/04/07
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	DEFS J-4-2		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0088581.D	1	12/06/07	ZLH	n/a	n/a	VF2793
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	0.0011	0.0020	0.00046	mg/l	J
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		mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		76-125%
17060-07-0	1,2-Dichloroethane-D4	101%		69-128%
2037-26-5	Toluene-D8	102%		80-121%
460-00-4	4-Bromofluorobenzene	104%		69-142%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-4 (0711301355)	Date Sampled: 11/30/07
Lab Sample ID: T19959-4	Date Received: 12/04/07
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: DEFS J-4-2	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0088580.D	1	12/06/07	ZLH	n/a	n/a	VF2793
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		mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		76-125%
17060-07-0	1,2-Dichloroethane-D4	100%		69-128%
2037-26-5	Toluene-D8	101%		80-121%
460-00-4	4-Bromofluorobenzene	105%		69-142%

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:	MW-6 (0711301429)	Date Sampled:	11/30/07
Lab Sample ID:	T19959-5	Date Received:	12/04/07
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	DEFS J-4-2		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0088579.D	1	12/06/07	ZLH	n/a	n/a	VF2793
Run #2							

Run #	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	0.00023	mg/l	
108-88-3	Toluene	ND	0.0020	0.00054	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00048	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0011	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-125%
17060-07-0	1,2-Dichloroethane-D4	99%		69-128%
2037-26-5	Toluene-D8	101%		80-121%
460-00-4	4-Bromofluorobenzene	103%		69-142%

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: MW-7 (0711301604)	Date Sampled: 11/30/07
Lab Sample ID: T19959-6	Date Received: 12/04/07
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: DEFS J-4-2	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0088578.D	1	12/06/07	ZLH	n/a	n/a	VF2793
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	0.00023	mg/l	
108-88-3	Toluene	ND	0.0020	0.00054	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00048	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0011	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-125%
17060-07-0	1,2-Dichloroethane-D4	101%		69-128%
2037-26-5	Toluene-D8	99%		80-121%
460-00-4	4-Bromofluorobenzene	103%		69-142%

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:	MW-8 (0711301334)	Date Sampled:	11/30/07
Lab Sample ID:	T19959-7	Date Received:	12/04/07
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	DEFS J-4-2		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0130907.D	1	12/07/07	ZLH	n/a	n/a	VB1553
Run #2							

Run #	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		mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		76-125%
17060-07-0	1,2-Dichloroethane-D4	124%		69-128%
2037-26-5	Toluene-D8	100%		80-121%
460-00-4	4-Bromofluorobenzene	101%		69-142%

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:	DUPLICATE "A" (0711301600)	
Lab Sample ID:	T19959-8	Date Sampled: 11/30/07
Matrix:	AQ - Ground Water	Date Received: 12/04/07
Method:	SW846 8260B	Percent Solids: n/a
Project:	DEFS J-4-2	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0130862.D	1	12/06/07	ZLH	n/a	n/a	VB1551
Run #2							

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

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.0062	0.0020	0.00046	mg/l	
108-88-3	Toluene	0.0030	0.0020	0.00048	mg/l	
100-41-4	Ethylbenzene	0.0023	0.0020	0.00045	mg/l	
1330-20-7	Xylene (total)	0.0577	0.0060		mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		76-125%
17060-07-0	1,2-Dichloroethane-D4	115%		69-128%
2037-26-5	Toluene-D8	97%		80-121%
460-00-4	4-Bromofluorobenzene	99%		69-142%

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	Date Sampled:	11/30/07
Lab Sample ID:	T19959-9	Date Received:	12/04/07
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	DEFS J-4-2		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0088572.D	1	12/06/07	ZLH	n/a	n/a	VF2793
Run #2							

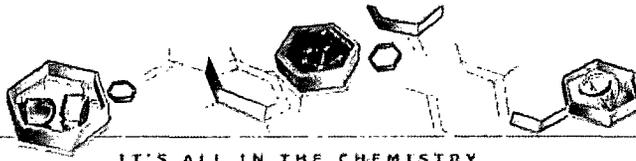
Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0020	0.00023	mg/l	
108-88-3	Toluene	ND	0.0020	0.00054	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00048	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0011	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		76-125%
17060-07-0	1,2-Dichloroethane-D4	98%		69-128%
2037-26-5	Toluene-D8	101%		80-121%
460-00-4	4-Bromofluorobenzene	107%		69-142%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound



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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY

10165 Harwin Drive, Ste. 150, Houston, TX 77036
 TEL: 713-271-4700 FAX: 713-271-4770
 www.accutest.com

FED-EX Tracking # **863398953171** Bottle Order Control #
 Accutest Quote # _____ Accutest Job # **T19959**

Client / Reporting Information		Project Information										Requested Analysis										Matrix Codes
Company Name American Environmental Consulting		Project Name DCP Midstream - J42 Pipeline																				DW - Drinking Water
Address 6885 S. Marshall, Suite 3		Street																				GW - Ground Water
City, State, Zip Littleton, CO 80128		City, State Lea County, New Mexico																				WW - Water
Project Contact Mike Stewart		Project #																				SW - Surface Water
Phone # 303-948-7733		Fax #																				SO - Soil
Sampler's Name John Stewart		Client Purchase Order #																				SL - Sludge
Field ID/Point of Collection		SUMMA #		Collection						Number of preserved Bottles						BTEX 8260	MS/MSD	LLO - Other Liquid				
Accutest Sample #	MEOH Vol #	Date	Time	Sampled By	Matrix	# of bottles	SI	SW	FW	TS/SA	MS	MSA	MSB	MSX	MSY			AIR - Air				
1		11/30/07	1530	JNF	GW	3	3											SOX - Other Solid				
2		11/30/07	1455	JNF	GW	3	3											WP - Wipe				
3		11/30/07	1425	JNF	GW	3	3											LAB USE ONLY				
4		11/30/07	1355	JNF	GW	3	3															
5		11/30/07	1429	JNF	GW	3	3															
6		11/30/07	1406	JNF	GW	3	3															
7		11/30/07	1334	JNF	GW	9	9															
8		11/30/07	1600	JNF	GW	3	3															
9					NW	2	2															
					WW	1																
Turnaround Time (Business Days)		Data Deliverable Information										Comments / Remarks										

<input checked="" type="checkbox"/> 10 Day STANDARD <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY <input type="checkbox"/> Other		Approved By: / Date: _____	<input type="checkbox"/> Commercial "A" <input type="checkbox"/> Commercial "B" <input type="checkbox"/> Reduced Tier 1 <input type="checkbox"/> Full Tier 1 <input type="checkbox"/> TRRP13 Commercial "A" = Results Only		<input type="checkbox"/> EDD Format _____	
--	--	----------------------------	---	--	---	--

Emergency & Rush TIA data available VIA LabLink

Sample Custody must be documented below each time samples change possession, including courier delivery.

Received by: John Stewart	Date Time: 11/30/07 1400	Received by: _____	Date Time: _____	Received by: _____	Date Time: _____
Retinquished by: _____	Date Time: _____	Received by: _____	Date Time: _____	Retinquished by: _____	Date Time: _____
Retinquished by: _____	Date Time: _____	Received by: _____	Date Time: _____	Retinquished by: _____	Date Time: _____
Retinquished by: _____	Date Time: _____	Received by: _____	Date Time: _____	Retinquished by: _____	Date Time: _____

Preserved where applicable On Ice Cooler Temp: **4.8**

3.1



ACCUTEST.

SAMPLE RECEIPT LOG

JOB #: T10 DATE/TIME RECEIVED: 9/19 12/14/07 CLIENT: AMERICAN ENVIRONMENTAL CONSULTING INITIALS: dn

Condition Variance (Circle "Y" for yes and "N" for no or NA. If "N" is circled, see variance for explanation):

- 1. Y Sample received in undamaged condition.
- 2. Y Sample received within temp. range.
- 3. Y Sample received with proper pH.
- 4. Y Sample volume sufficient for analysis.
- 5. Y Chain of Custody matches sample IDs and analysis on containers.
- 6. Y Samples Headspace acceptable
- 7. N NA Custody seal received intact and tamper not evident on cooler.
- 8. N NA Custody seal received intact and tamper not evident on bottles.
- 9. N NA Custody seal received intact and tamper not evident on bottles.
- 10. N NA Custody seal received intact and tamper not evident on bottles.

SAMPLE #	FIELD ID	BOTTLE #	DATE SAMPLED	MATRIX	VOLUME	LOCATION	PRESERV.	PH
1	1-3	1-3	11/30/07	AQ	40ml	VRcf	1,2,3,4,5,6	U, <, >12, NA
2	1-3						1,2,3,4,5,6	U, <, >12, NA
3							1,2,3,4,5,6	U, <, >12, NA
4							1,2,3,4,5,6	U, <, >12, NA
5							1,2,3,4,5,6	U, <, >12, NA
6							1,2,3,4,5,6	U, <, >12, NA
7	1-3					VRcf	1,2,3,4,5,6	U, <, >12, NA
8	4-0						1,2,3,4,5,6	U, <, >12, NA
9	7-9						1,2,3,4,5,6	U, <, >12, NA
10	1-3					VRcf	1,2,3,4,5,6	U, <, >12, NA
11	1-2		N/A				1,2,3,4,5,6	U, <, >12, NA
12							1,2,3,4,5,6	U, <, >12, NA
13							1,2,3,4,5,6	U, <, >12, NA
14							1,2,3,4,5,6	U, <, >12, NA
15							1,2,3,4,5,6	U, <, >12, NA
16							1,2,3,4,5,6	U, <, >12, NA
17							1,2,3,4,5,6	U, <, >12, NA
18							1,2,3,4,5,6	U, <, >12, NA
19							1,2,3,4,5,6	U, <, >12, NA
20							1,2,3,4,5,6	U, <, >12, NA

LOCATION: W1: Walk-in VR: Variable Refrig. SUB: Subcontract EF: Encore Freeze PRESERVATIVES: 1: None 2: HCL 3: HRO3 4: H2SO4 5: MAOH 6: Other

Comments: pH of waters checked excluding volatiles pH of soils N/A

Delivery method: Courier: FF

COOLER TEMP: 4.8 COOLER TEMP: COOLER TEMP: Form: SM012, Rev.07/28/06, DAO



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: T19959
Account: DUKE DCP Midstream, LLC
Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2793-MB	F0088566.D	1	12/06/07	ZLH	n/a	n/a	VF2793

4.1
4

The QC reported here applies to the following samples:

Method: SW846 8260B

T19959-3, T19959-4, T19959-5, T19959-6, T19959-9

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.48	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	99% 76-125%
17060-07-0	1,2-Dichloroethane-D4	100% 69-128%
2037-26-5	Toluene-D8	100% 80-121%
460-00-4	4-Bromofluorobenzene	104% 69-142%

Method Blank Summary

Job Number: T19959
Account: DUKE DCP Midstream, LLC
Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1551-MB	B0130845.D	1	12/06/07	ZLH	n/a	n/a	VB1551

The QC reported here applies to the following samples:

Method: SW846 8260B

T19959-2, T19959-8

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		ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	76-125%
17060-07-0	1,2-Dichloroethane-D4	118%	69-128%
2037-26-5	Toluene-D8	99%	80-121%
460-00-4	4-Bromofluorobenzene	98%	69-142%

Method Blank Summary

Job Number: T19959
Account: DUKE DCP Midstream, LLC
Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1553-MB	B0130894.D	1	12/07/07	ZLH	n/a	n/a	VB1553

4.1
4

The QC reported here applies to the following samples:

Method: SW846 8260B

T19959-1, T19959-7

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		ug/l	

CAS No.	Surrogate Recoveries	Result	Limits
1868-53-7	Dibromofluoromethane	101%	76-125%
17060-07-0	1,2-Dichloroethane-D4	115%	69-128%
2037-26-5	Toluene-D8	99%	80-121%
460-00-4	4-Bromofluorobenzene	99%	69-142%

Blank Spike Summary

Job Number: T19959
 Account: DUKE DCP Midstream, LLC
 Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2793-BS	F0088564.D	1	12/06/07	ZLH	n/a	n/a	VF2793

4.2
4

The QC reported here applies to the following samples:

Method: SW846 8260B

T19959-3, T19959-4, T19959-5, T19959-6, T19959-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	27.0	108	73-121
100-41-4	Ethylbenzene	25	27.2	109	75-117
108-88-3	Toluene	25	27.6	110	75-119
1330-20-7	Xylene (total)	75	83.3	111	75-118

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	76-125%
17060-07-0	1,2-Dichloroethane-D4	104%	69-128%
2037-26-5	Toluene-D8	102%	80-121%
460-00-4	4-Bromofluorobenzene	100%	69-142%

Blank Spike Summary

Job Number: T19959
Account: DUKE DCP Midstream, LLC
Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1551-BS	B0130843.D	1	12/06/07	ZLH	n/a	n/a	VB1551

4.2
4

The QC reported here applies to the following samples:

Method: SW846 8260B

T19959-2, T19959-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	27.7	111	73-121
100-41-4	Ethylbenzene	25	28.4	114	75-117
108-88-3	Toluene	25	27.3	109	75-119
1330-20-7	Xylene (total)	75	83.3	111	75-118

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	76-125%
17060-07-0	1,2-Dichloroethane-D4	107%	69-128%
2037-26-5	Toluene-D8	95%	80-121%
460-00-4	4-Bromofluorobenzene	100%	69-142%

Blank Spike Summary

Job Number: T19959
Account: DUKE DCP Midstream, LLC
Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1553-BS	B0130892.D	1	12/07/07	ZLH	n/a	n/a	VB1553

4.2
4

The QC reported here applies to the following samples:

Method: SW846 8260B

T19959-1, T19959-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.9	104	73-121
100-41-4	Ethylbenzene	25	25.8	103	75-117
108-88-3	Toluene	25	25.1	100	75-119
1330-20-7	Xylene (total)	75	76.6	102	75-118

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	76-125%
17060-07-0	1,2-Dichloroethane-D4	106%	69-128%
2037-26-5	Toluene-D8	97%	80-121%
460-00-4	4-Bromofluorobenzene	99%	69-142%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19959
 Account: DUKE DCP Midstream, LLC
 Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T19953-3MS	F0088574.D	10	12/06/07	ZLH	n/a	n/a	VF2793
T19953-3MSD	F0088575.D	10	12/06/07	ZLH	n/a	n/a	VF2793
T19953-3	F0088573.D	10	12/06/07	ZLH	n/a	n/a	VF2793

4.3
4

The QC reported here applies to the following samples:

Method: SW846 8260B

T19959-3, T19959-4, T19959-5, T19959-6, T19959-9

CAS No.	Compound	T19953-3 ug/l	Spike Q ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	266	250	518	101	495	92	5	74-125/18
100-41-4	Ethylbenzene	1630	250	1780	60* a	1700	28* a	5	77-119/20
108-88-3	Toluene	86.3	250	342	102	328	97	4	79-119/21
1330-20-7	Xylene (total)	1180	750	1870	92	1790	81	4	78-119/20

CAS No.	Surrogate Recoveries	MS	MSD	T19953-3	Limits
1868-53-7	Dibromofluoromethane	101%	102%	97%	76-125%
17060-07-0	1,2-Dichloroethane-D4	107%	107%	98%	69-128%
2037-26-5	Toluene-D8	99%	97%	101%	80-121%
460-00-4	4-Bromofluorobenzene	95%	93%	100%	69-142%

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

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19959
 Account: DUKE DCP Midstream, LLC
 Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T19933-8MS	B0130857.D	25	12/06/07	ZLH	n/a	n/a	VB1551
T19933-8MSD	B0130858.D	25	12/06/07	ZLH	n/a	n/a	VB1551
T19933-8	B0130853.D	25	12/06/07	ZLH	n/a	n/a	VB1551

4.3
4

The QC reported here applies to the following samples:

Method: SW846 8260B

T19959-2, T19959-8

CAS No.	Compound	T19933-8 ug/l	Spike Q ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	2090	625	2560	75	2490	64* a	3	74-125/18
100-41-4	Ethylbenzene	1540	625	2170	101	2080	86	4	77-119/20
108-88-3	Toluene	1810	625	2350	86	2290	77* a	3	79-119/21
1330-20-7	Xylene (total)	3030	1880	4980	104	4790	94	4	78-119/20

CAS No.	Surrogate Recoveries	MS	MSD	T19933-8	Limits
1868-53-7	Dibromofluoromethane	99%	99%	105%	76-125%
17060-07-0	1,2-Dichloroethane-D4	101%	100%	118%	69-128%
2037-26-5	Toluene-D8	98%	97%	98%	80-121%
460-00-4	4-Bromofluorobenzene	99%	100%	97%	69-142%

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

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T19959
 Account: DUKE DCP Midstream, LLC
 Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T19959-7MS	B0130909.D	1	12/07/07	ZLH	n/a	n/a	VB1553
T19959-7MSD	B0130910.D	1	12/07/07	ZLH	n/a	n/a	VB1553
T19959-7	B0130907.D	1	12/07/07	ZLH	n/a	n/a	VB1553

The QC reported here applies to the following samples:

Method: SW846 8260B

T19959-1, T19959-7

CAS No.	Compound	T19959-7 ug/l	Spike Q ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	25	27.9	112	26.2	105	6	74-125/18
100-41-4	Ethylbenzene	ND	25	26.9	108	26.5	106	1	77-119/20
108-88-3	Toluene	ND	25	26.5	106	25.2	101	5	79-119/21
1330-20-7	Xylene (total)	ND	75	79.8	106	77.9	104	2	78-119/20

CAS No.	Surrogate Recoveries	MS	MSD	T19959-7	Limits
1868-53-7	Dibromofluoromethane	105%	101%	110%	76-125%
17060-07-0	1,2-Dichloroethane-D4	107%	106%	124%	69-128%
2037-26-5	Toluene-D8	97%	95%	100%	80-121%
460-00-4	4-Bromofluorobenzene	98%	101%	101%	69-142%

4.3
4



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

October 29, 2007

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

**RE: 3rd Quarter 2007 Groundwater Monitoring Results
DCP Midstream, LP J-4-2 Pipeline Release
Unit C, Section 27, Township 19 South, Range 35 East
Lea County, New Mexico**

Dear Mr. Price:

DCP Midstream, LP (DCP) is pleased to submit for your review, a copy of the 3rd Quarter 2007 Groundwater Monitoring Results for the DCP J-4-2 Pipeline Release located in Lea County, New Mexico (Unit C, Section 27, Township 19 South, Range 35 East). At this time, no RP number has been assigned to this remediation project.

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

Sincerely

DCP Midstream, LP

A handwritten signature in black ink, appearing to read 'Stephen Weathers', followed by a long horizontal line.

Stephen Weathers, PG
Sr. Environmental Specialist

cc: Carl Chavez, OCD Santa Fe Office
Larry Johnson, OCD Hobbs District Office (Copy on CD)
Lynn Ward, DCP Midland Office
Environmental Files

October 17, 2007

Mr. Stephen Weathers
DCP Midstream, LP
370 17th Street, Suite 2500
Denver, CO 80202

Re: Summary of the Third Quarter 2007 Groundwater Monitoring Results for the
DCP J-4-2 Pipeline Release in Lea County New Mexico
Unit C, Section 27 Township 19 South, Range 35 East

Dear Mr. Weathers:

This report summarizes the third quarter 2007 groundwater monitoring activities completed at the J-4-2 release location for DCP Midstream, LP. The site is located in the northeastern quarter of the northwestern quarter (Unit C) of Section 27, Township 19 South, Range 35 East approximately 3 miles south of the of intersection of US Highway 82 and State Highway 483 (Utah Junction) in Lea County New Mexico (Figure 1). The approximate coordinates are 32.647° north and 103.447° west.

The monitoring network includes the seven groundwater monitoring wells shown on Figure 2. Table 1 summarizes construction information for each well. Note that monitoring well MW-5 was not installed because of drilling refusal.

GROUNDWATER SAMPLING

Trident Environmental collected groundwater samples on September 25, 2007. The depth to water was measured in each well prior to conducting the purging and sampling activities. The calculated groundwater elevations for all monitoring episodes are summarized in Table 2.

The approximate water-table elevation for MW-1 was estimated using the following formula:

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

- MGWE is the actual measured groundwater elevation;
- FPHT is the measured free-phase hydrocarbon thickness; and
- PD is the FPH density (assumed at 0.73).

The historic FPH thickness values are summarized in Table 3. Well MW-1 did not contain FPH during the February 2006 and the September 2006 sampling events. The

FPH thickness has remained between 0.07 feet and 0.09 feet since then. The FPH thickness in MW-2 declined from 0.57 feet in February 2006 to no FPH present in June 2007 back to 0.03 feet in September 2007.

All of the wells were purged and sampled using the standard protocols for this site. MW-1 and MW-2 were both sampled because the thickness of FPH was low. Purging was completed using dedicated bailers until a minimum of three casing volumes of water was removed and the field parameters temperature, pH and conductivity stabilized. The well purging forms are attached. The affected purge water was disposed at the DCP Linam Ranch facility.

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

The laboratory analyses for the sampling episode are summarized in Table 4. The laboratory report is attached. Table 5 provides the quality assurance/quality control (QA/QC) information. The QA/QC evaluation includes:

- The sample container temperature was 2.5° centigrade when the lab received it.
- All but on one of the individual surrogate spikes were within their control limits.
- The relative percentage difference (RPD) values could not be calculated because the constituents for the duplicate were below the method reporting limits.
- The matrix spike and matrix spike duplicate results from the MW-6 sample were all within the control limits for all four constituents.

The above data indicate that the data is suitable as monitoring data.

RESULTS AND INTERPRETATIONS

The results and interpretations presented below are based upon all of the data collected to date. Groundwater flow is discussed first. Evaluation of the organic data follows.

Groundwater Flow

Figure 3 includes hydrographs for the corrected water-table elevations for all site wells. The water table declined in all wells. The decline was uniform in all wells excepting MW-3. The decline in MW-3 was steeper.

The resulting September 2007 calculated groundwater contours as generated using the Surfer® program with the kriging option are shown on Figure 4. The water table that was measured in September 2007 exhibits the same approximate 0.009 feet/foot gradient toward the southeast that was measured in the past. The water table elevation measured in MW-2 is anomalously high relative to its position between MW-3, MW-4 and MW-2.

Groundwater Chemistry

The September 2007 data is summarized in Table 4. The New Mexico Water Quality Control Commission (NMWQCC) groundwater standards are reproduced at the top of the table. The constituents that exceeded these standards are highlighted by bolding. Examination of Table 4 shows that benzene in MW-1 was the only constituent that exceeded the NMWQCC groundwater standards. None of the other constituents exceeded these standards in MW-2 or any of the remaining wells.

The data for all of the organic constituents are summarized in Table 6. Examination of Table 6 indicates the following:

- The toluene, ethylbenzene and total xylenes concentrations have never exceeded the NMWQCC standards.
- The benzene concentration in MW-1 appears to be declining even though FPH has been present at thicknesses less than 0.1 feet.
- The benzene concentration in MW-2 declined from 0.0262 mg/l to 0.0045 mg/l between June 2007 and September 2007.
- The BTEX concentrations in MW-3 have remained below the method reporting limits with the exception of the primary June 2007 sample. The concentrations in the primary June 2007 sample were near the MRL while the concentrations in its duplicate are all below the MRL. Based upon the above information, the potential for cross-gradient constituent migration appears to be limited at best.
- The benzene concentrations in MW-4 declined to below the MRL in both the June 2007 and September 2007 sampling episodes.

- None of the BTEX constituents have been detected in down-gradient wells MW-6, MW-7 and MW-8;

CONCLUSIONS AND RECOMMENDATIONS

Based upon the data collected to date, AEC concludes that:

- Groundwater flow is constant toward the southeast with the exception of an anomalous area associated with MW-2;
- The BTEX constituents were only detected in the wells MW-1 and MW-2 that were originally installed in the release area.
- The dissolved-phase hydrocarbon plume associated with the DCP J-4-2 pipeline release is not expanding and, in fact, it may be contracting;
- The FPH in MW-1 and MW-2 is less than 0.1' thick, and it may be dissipating;

Passive FPH collection bailers were installed in wells MW-1 and MW-2. These bailers have been checked and emptied as necessary on a regular basis.

AEC recommends continued quarterly groundwater monitoring to verify continuance of the trends discussed above. The next groundwater-monitoring event is scheduled for the fourth quarter of 2007. Do not hesitate to contact me if you have any questions or comments on this letter.

Sincerely,
AMERICAN ENVIRONMENTAL CONSULTING, LLC

Michael H. Stewart

Michael H. Stewart, P.E., C.P.G.
Principal Engineer
MHS/tbm

TABLES

Table 1 – Summary of Monitoring Well Completions at the J-4-2 Site

Name	Date Installed	Stickup	Casing Diameter (inches)	Total Depth (btoc)	Screen Interval (ground)	Sand Interval
MW-1	2/06	3.17	2	43.05	19-39	17-39
MW-2	2/06	3.08	4	43.30	19-39	17-39
MW-3	2/06	3.21	2	43.00	19-39	17-39
MW-4	9/06	3.12	2	38.12	20-35	18-35
MW-5	Not installed because of drilling refusal					
MW-6	9/06	3.32	2	38.32	20-35	18-35
MW-7	9/06	2.95	2	39.45	21.5-36.5	19.5-36.5
MW-8	9/06	3.32	2	38.32	20-35	18-35

All units are feet except as noted
 btoc: Below top of casing

Table 2 - Summary of Water Table Elevations for the J-4-2 Site

	2/15/06	9/25/06	12/21/06	3/14/07	6/26/07	9/25/07
MW-1	3713.61	3712.60	3712.63	3712.29	3712.15	3711.86
MW-2	3713.93	3713.48	3712.49	3712.75	3712.63	3712.34
MW-3	3713.36	3712.57	3712.57	3712.55	3712.79	3711.50
MW-4		3712.80	3712.82	3712.78	3713.25	3712.98
MW-6		3711.76	3712.00	3711.96	3711.87	3711.56
MW-7		3711.03	3710.80	3710.73	3710.50	3709.87
MW-8		3709.22	3708.95	3708.79	3708.54	3708.06

Units are feet

Blank cells: wells not installed

Table 3 - Summary of Free Phase Hydrocarbon Thickness Values for MW-1 and MW-2

Date	MW-1	MW-2
02/15/06	0.00	0.57
09/25/06	0.00	0.15
12/21/06	0.09	0.13
03/14/07	0.07	0.10
06/26/07	0.09	0.00
9/25/07	0.09	0.03

Units are feet

Table 4 - Summary of September 25, 2007 Organic Groundwater Sampling Results

Well	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Groundwater Standard	0.01	0.75	0.75	0.62
MW-1	0.0114	0.0029	0.0035	0.0978
MW-2	0.0045	<0.00100	0.0027	0.0471
MW-3	<0.00100	<0.00100	<0.00100	<0.00100
MW-3 Dup	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	<0.00100	<0.00100	<0.00100	<0.00100
MW-8	<0.00100	<0.00100	<0.00100	<0.00100
Trip	<0.00100	<0.00100	<0.00100	<0.00100

Notes: Units are mg/l,
 MW-5 was not installed because of drilling refusal

Table 5 - Quality Assurance Evaluation for the September 2007 Data

MW-3 Duplicate Samples

	Benzene	Toluene	Ethylbenzene	Total Xylenes
RPD (%)	NA	NA	NA	NA

NA: Not analyzed because one or both of the constituents are below their method reporting limit(s).

MW-6 MS/MSD (percent recovery)

	Benzene	Toluene	Ethylbenzene	Total Xylenes
MS	89	89	90	91
MSD	92	93	94	94

MS: matrix spike

MSD: matrix spike duplicate

Table 6 – Summary of Organic Groundwater Data

Well	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Groundwater Standard		0.01	0.75	0.75	0.62
MW-1	2/06	0.139	0.326	0.34	0.31
	9/06	0.0418	0.0048	0.0247	0.0605
Dup	9/06	0.0555	0.0068	0.032	0.0782
	12/06	FPH	FPH	FPH	FPH
	3/07	FPH	FPH	FPH	FPH
	6/07	FPH	FPH	FPH	FPH
	9/07	0.0114	0.0029	0.0035	0.0978
MW-2	6/07	0.0262	0.0382	0.0404	0.335
	9/07	0.0045	<0.001	0.0027	0.0471
MW-3	2/06	<0.001	<0.001	<0.001	<0.002
	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
Dup	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	0.0029	0.0053	0.0015	0.0097
Dup	6/07	<0.001	<0.001	<0.001	<0.001
	9/07	<0.001	<0.001	<0.001	<0.001
	9/07	<0.001	<0.001	<0.001	<0.001
MW-4	9/06	0.0086	0.00093J	0.0092	0.0061
	12/06	0.0295	0.0058	<0.002	0.0075
Dup	12/06	0.0207	0.004	<0.002	0.0054
	3/07	0.0044	0.0006	<0.002	0.0032
	6/07	<0.001	<0.001	<0.001	0.0025
	9/07	<0.001	<0.001	<0.001	<0.001

Notes: Units are mg/l, FPH: No sample because FPH is present:
Blank cell: no sample collected,
MW-5 was never installed

Table 6 – Summary of Organic Groundwater Data (continued)

Well	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Groundwater Standard		0.01	0.75	0.75	0.62
MW-6	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	<0.001	<0.001	<0.001	<0.001
	9/07	<0.001	<0.001	<0.001	<0.001
MW-7	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	<0.001	<0.001	<0.001	0.0027
	9/07	<0.001	<0.001	<0.001	<0.001
MW-8	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	<0.001	<0.001	<0.001	<0.001
	9/07	<0.001	<0.001	<0.001	<0.001

Notes: Units are mg/l, FPH: No sample because FPH is present:

FIGURES

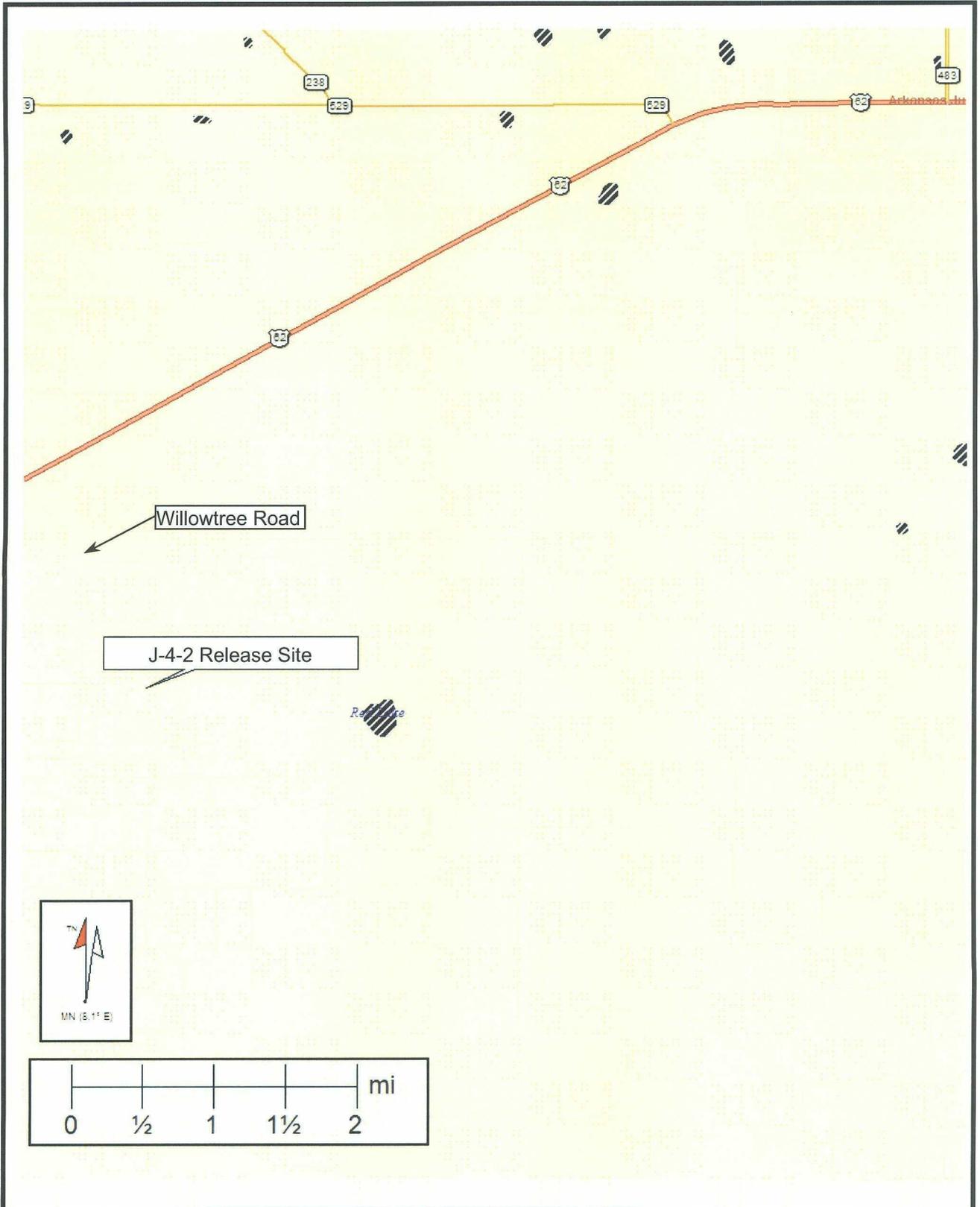


Figure 1 – Site Location
 J-4-2 Groundwater Monitoring



DRAWN BY: MHS
REVISED:
DATE: 5/06

TRIPTY BOUNDARY

MW-4
3712.98

3711.37

MW-3
3711.5

MW-2
3712.3419

DCP BPL
3712

MW-6
3711.56

3711.56

DCP BPL

DCP BPL

3711.3

MW-7
3705.87

3705.87

3709

PHILLIPS' CONTROL BPL

MW-8
3708.06

3708.06



Contour interval is 0.5 feet

Figure 4 - June 2007 Water Table Contours

1-4-2 Groundwater Monitoring	
dcp Midstream.	DRAWN BY: MHS
	DATE: 10/07

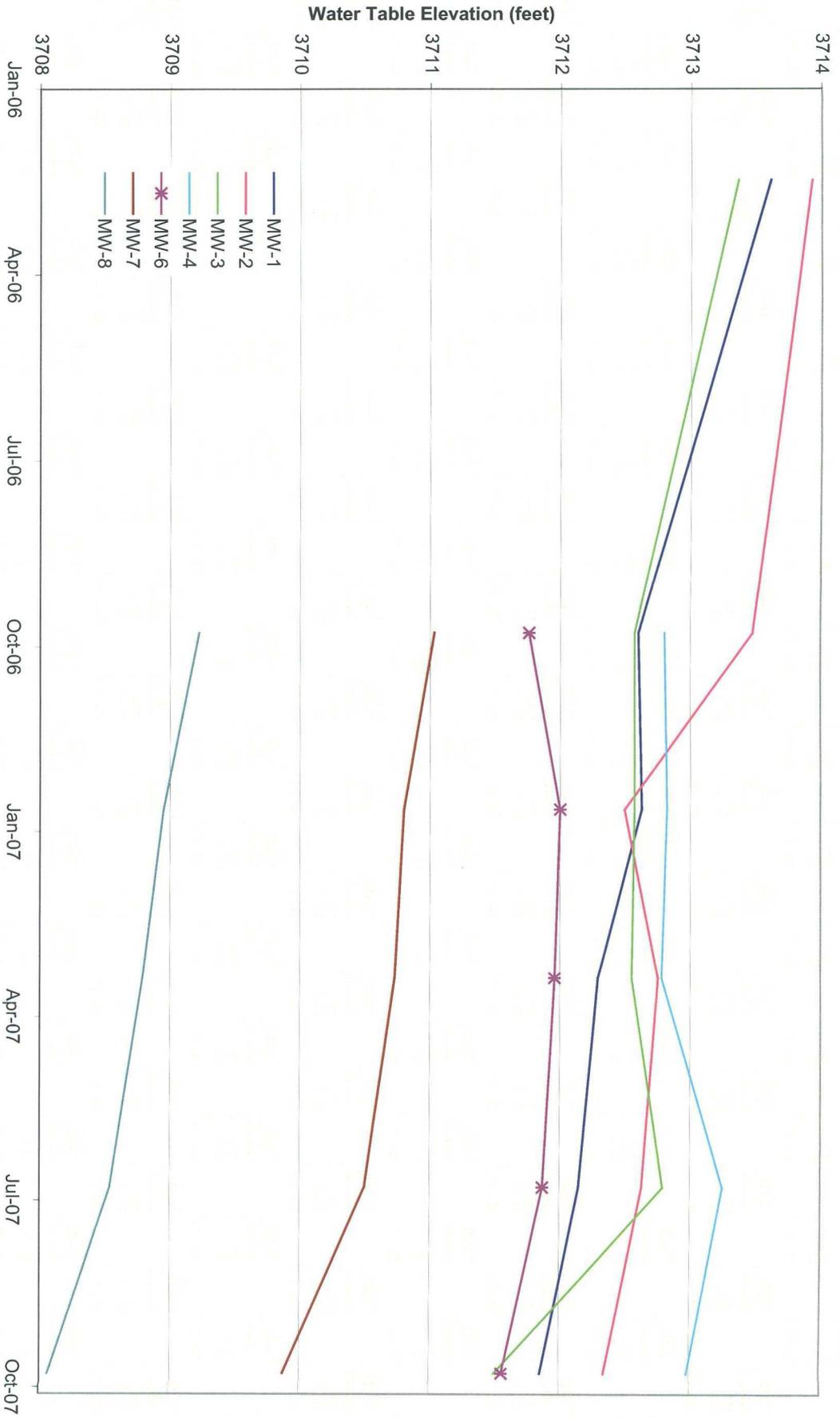


Figure 3 – Monitoring Well Hydrographs

14.2 Groundwater Monitoring
dcp
 Midstream

DRAWN BY: MHS

DATE: 10/07

PROPERTY BOUNDARY

MW-4
3712.98

MW-3
3711.85

MW-2
3712.34

MW-1
3712.419

DCP BPL
3712

MW-6
3711.56

DCP BPL

DCP BPL

3711.1

MW-7
3709.87

3709

PHILLIPS CENTER BPL

MW-8
3708.06



Contour interval is 0.5 feet

Figure 4 - June 2007 Water Table Contours

I-4-2 Groundwater Monitoring	
DRAWN BY: MHS	
DATE: 10/07	
dgp Midstream.	



**GROUNDWATER SAMPLING NOTES
AND LABORATORY ANALYTICAL REPORT**

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream
 SITE NAME: J42 (Pipeline Leak)
 PROJECT NO. F-119

WELL ID: MW-1
 DATE: 9/25/2007
 SAMPLER: J. Ferguson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 43.05 Feet

DEPTH TO WATER: 28.66 Feet

HEIGHT OF WATER COLUMN: 14.39 Feet

WELL DIAMETER: 4.0 Inch

28.2 Minimum Gallons to
 purge 3 well volumes
 (Water Column Height x 1.96)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
13:00	0.0	-	-	-	-	-	Begin Hand Bailing
13:30	30.0	-	-	-	-	-	
0:30	:Total Time (hr:min)		30	:Total Vol (gal)		1.00	:Flow Rate (gal/min)

SAMPLE NO.: Collected Sample No.: 070926 1330

ANALYSES: BTEX (8021-B)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-2
 SITE NAME: J42 (Pipeline Leak) DATE: 9/25/2007
 PROJECT NO. F-119 SAMPLER: J. Fergerson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 43.30 Feet

DEPTH TO WATER: 28.30 Feet

HEIGHT OF WATER COLUMN: 15.00 Feet

WELL DIAMETER: 2.0 Inch

7.3 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
12:28	0.0	-	-	-	-	-	Begin Hand Bailing
12:47	8.1	-	-	-	-	-	
0:19 :Total Time (hr:min)		8.1 :Total Vol (gal)		0.42 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 070926 1250

ANALYSES: BTEX (8021-B)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-3
 SITE NAME: J42 (Pipeline Leak) DATE: 9/25/2007
 PROJECT NO. F-119 SAMPLER: J. Ferguson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 43.00 Feet

DEPTH TO WATER: 27.89 Feet

HEIGHT OF WATER COLUMN: 15.11 Feet

WELL DIAMETER: 2.0 Inch

7.4 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
18:31	0.0	-	-	-	-	-	Begin Hand Bailing
18:36	2.7	19.7	>4.00	6.96	-	-	
18:40	5.4	19.7	>4.00	7.00	-	-	
18:45	8.1	19.7	3.94	7.02	-	-	
0:14 :Total Time (hr:min)		8.1 :Total Vol (gal)		0.58 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 070925 1850

ANALYSES: BTEX (8021-B)

COMMENTS: Collected Duplicate Sample No.: 0709251900 for BTEX (8021-B)

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-4
 SITE NAME: J42 (Pipeline Leak) DATE: 9/25/2007
 PROJECT NO. F-119 SAMPLER: J. Ferguson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 38.12 Feet

DEPTH TO WATER: 27.26 Feet

HEIGHT OF WATER COLUMN: 10.86 Feet

WELL DIAMETER: 2.0 Inch

5.3 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
18:06	0.0	-	-	-	-	-	Begin Hand Bailing
18:09	2.0	19.7	3.38	7.00	-	-	
18:13	4.0	19.7	>4.00	6.89	-	-	
18:17	6.0	19.7	>4.00	6.86	-	-	
0:11 :Total Time (hr:min)			6 :Total Vol (gal)		0.54 :Flow Rate (gal/min)		

SAMPLE NO.: Collected Sample No.: 070925 1820

ANALYSES: BTEX (8021-B)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-6
 SITE NAME: J42 (Pipeline Leak) DATE: 9/25/2007
 PROJECT NO. F-119 SAMPLER: J. Fergerson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 38.32 Feet
 DEPTH TO WATER: 28.40 Feet
 HEIGHT OF WATER COLUMN: 9.92 Feet
 WELL DIAMETER: 2.0 Inch

4.9 Minimum Gallons to
 purge 3 well volumes
 (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
17:33	0.0	-	-	-	-	-	Begin Hand Bailing
17:36	1.7	19.6	1.91	7.14	-	-	
17:39	3.4	19.5	1.75	7.13	-	-	
17:42	5.1	19.4	1.71	7.13	-	-	
0:09 :Total Time (hr:min)		5.1 :Total Vol (gal)			0.56 :Flow Rate (gal/min)		

SAMPLE NO.: Collected Sample No.: 070925 1750

ANALYSES: BTEX (8021-B)

COMMENTS: Collected MS/MSD Samples!

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-7
 SITE NAME: J42 (Pipeline Leak) DATE: 9/25/2007
 PROJECT NO. F-119 SAMPLER: J. Fergerson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 39.45 Feet

DEPTH TO WATER: 30.86 Feet

HEIGHT OF WATER COLUMN: 8.59 Feet

WELL DIAMETER: 2.0 Inch

4.2 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS	
17:08	0.0	-	-	-	-	-	Begin Hand Bailing	
17:11	1.7	19.9	3.11	7.07	-	-		
17:15	3.4	19.8	3.26	7.07	-	-		
17:18	5.1	19.7	3.30	7.07	-	-		
0:10 :Total Time (hr:min)		5.1 :Total Vol (gal)			0.51 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 070925 1720

ANALYSES: BTEX (8021-B)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-8
 SITE NAME: J42 (Pipeline Leak) DATE: 9/25/2007
 PROJECT NO. F-119 SAMPLER: J. Ferguson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 38.32 Feet

DEPTH TO WATER: 29.26 Feet

HEIGHT OF WATER COLUMN: 9.06 Feet

WELL DIAMETER: 2.0 Inch

4.4 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
16:42	0.0	-	-	-	-	-	Began Hand Bailing
16:44	1.7	20.4	2.46	7.03	-	-	
16:48	3.4	20.0	2.45	7.03	-	-	
16:52	5.1	19.8	2.44	7.04	-	-	
0:10 :Total Time (hr:min)		5.1 :Total Vol (gal)		0.51 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 070925 1655

ANALYSES: BTEX (8021-B)

COMMENTS: _____



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Mike Stewart
American Environmental Consulting
6885 South Marshall Street
Suite 3
Littleton, CO, 80128

Report Date: October 4, 2007

Work Order: 7092739



Project Location: Lea County, NM
Project Name: DCP Midstream-J42 Pipeline
Project Number: DCP Midstream-J42 Pipeline

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
137659	MW-1 (0709261330)	water	2007-09-26	13:30	2007-09-27
137660	MW-2 (0709261250)	water	2007-09-26	12:50	2007-09-27
137661	MW-3 (0709251850)	water	2007-09-25	18:50	2007-09-27
137662	MW-4 (0709251820)	water	2007-09-25	18:20	2007-09-27
137663	MW-6 (0709251750)	water	2007-09-25	17:50	2007-09-27
137664	MW-7 (0709251720)	water	2007-09-25	17:20	2007-09-27
137665	MW-8 (0709251655)	water	2007-09-25	16:55	2007-09-27
137666	Duplicate (0709251900)	water	2007-09-25	19:00	2007-09-27
137667	Trip Blank	water	2007-09-25	00:00	2007-09-27

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 12 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director



Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 137659 - MW-1 (0709261330)

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 41660	Date Analyzed: 2007-10-02	Analyzed By: MT
Prep Batch: 35994	Sample Preparation: 2007-10-02	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0114	mg/L	1	0.00100
Toluene		0.00350	mg/L	1	0.00100
Ethylbenzene		0.00290	mg/L	1	0.00100
Xylene		0.0978	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0778	mg/L	1	0.100	78	71.7 - 119
4-Bromofluorobenzene (4-BFB)		0.0865	mg/L	1	0.100	86	43.8 - 126

Sample: 137660 - MW-2 (0709261250)

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 41660	Date Analyzed: 2007-10-02	Analyzed By: MT
Prep Batch: 35994	Sample Preparation: 2007-10-02	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00450	mg/L	1	0.00100
Toluene		0.00270	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		0.0471	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	1	0.0645	mg/L	1	0.100	64	71.7 - 119
4-Bromofluorobenzene (4-BFB)		0.0856	mg/L	1	0.100	86	43.8 - 126

Sample: 137661 - MW-3 (0709251850)

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 41610	Date Analyzed: 2007-10-01	Analyzed By: KB
Prep Batch: 35953	Sample Preparation: 2007-10-01	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

¹Surrogate out due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0951	mg/L	1	0.100	95	78.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0759	mg/L	1	0.100	76	63.1 - 120

Sample: 137662 - MW-4 (0709251820)

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
 QC Batch: 41610 Date Analyzed: 2007-10-01 Analyzed By: KB
 Prep Batch: 35953 Sample Preparation: 2007-10-01 Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0942	mg/L	1	0.100	94	78.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0758	mg/L	1	0.100	76	63.1 - 120

Sample: 137663 - MW-6 (0709251750)

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
 QC Batch: 41613 Date Analyzed: 2007-10-01 Analyzed By: KB
 Prep Batch: 35956 Sample Preparation: 2007-10-01 Prepared By: KB

Comment: Use as MS/MSD

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0785	mg/L	1	0.100	78	71.7 - 119
4-Bromofluorobenzene (4-BFB)		0.0667	mg/L	1	0.100	67	43.8 - 126

Sample: 137664 - MW-7 (0709251720)

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
 QC Batch: 41613 Date Analyzed: 2007-10-01 Analyzed By: KB
 Prep Batch: 35956 Sample Preparation: 2007-10-01 Prepared By: KB

Sample: 137667 - Trip Blank

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 41613	Date Analyzed: 2007-10-01	Analyzed By: KB
Prep Batch: 35956	Sample Preparation: 2007-10-01	Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0812	mg/L	1	0.100	81	71.7 - 119
4-Bromofluorobenzene (4-BFB)		0.0658	mg/L	1	0.100	66	43.8 - 126

Method Blank (1) QC Batch: 41610

QC Batch: 41610	Date Analyzed: 2007-10-01	Analyzed By: KB
Prep Batch: 35953	QC Preparation: 2007-10-01	Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000247	mg/L	0.001
Toluene		<0.000257	mg/L	0.001
Ethylbenzene		<0.000336	mg/L	0.001
Xylene		<0.000218	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0987	mg/L	1	0.100	99	77.3 - 113
4-Bromofluorobenzene (4-BFB)		0.0813	mg/L	1	0.100	81	77.2 - 116

Method Blank (1) QC Batch: 41613

QC Batch: 41613	Date Analyzed: 2007-10-01	Analyzed By: KB
Prep Batch: 35956	QC Preparation: 2007-10-01	Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000299	mg/L	0.001
Toluene		<0.000332	mg/L	0.001
Ethylbenzene		<0.000644	mg/L	0.001
Xylene		<0.000456	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0888	mg/L	1	0.100	89	64.9 - 111
4-Bromofluorobenzene (4-BFB)		0.0730	mg/L	1	0.100	73	35.3 - 121

Method Blank (1) QC Batch: 41660

QC Batch: 41660
 Prep Batch: 35994

Date Analyzed: 2007-10-02
 QC Preparation: 2007-10-02

Analyzed By: MT
 Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000299	mg/L	0.001
Toluene		<0.000332	mg/L	0.001
Ethylbenzene		<0.000644	mg/L	0.001
Xylene		<0.000456	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0876	mg/L	1	0.100	88	64.9 - 111
4-Bromofluorobenzene (4-BFB)		0.0716	mg/L	1	0.100	72	35.3 - 121

Laboratory Control Spike (LCS-1)

QC Batch: 41610
 Prep Batch: 35953

Date Analyzed: 2007-10-01
 QC Preparation: 2007-10-01

Analyzed By: KB
 Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.101	mg/L	1	0.100	<0.000247	101	82 - 118
Toluene	0.0998	mg/L	1	0.100	<0.000257	100	81.4 - 118
Ethylbenzene	0.0984	mg/L	1	0.100	<0.000336	98	81.5 - 120
Xylene	0.288	mg/L	1	0.300	<0.000218	96	82.2 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.100	mg/L	1	0.100	<0.000247	100	82 - 118	1	20
Toluene	0.0991	mg/L	1	0.100	<0.000257	99	81.4 - 118	1	20
Ethylbenzene	0.0993	mg/L	1	0.100	<0.000336	99	81.5 - 120	1	20
Xylene	0.289	mg/L	1	0.300	<0.000218	96	82.2 - 121	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0958	0.0943	mg/L	1	0.100	96	94	75.7 - 113
4-Bromofluorobenzene (4-BFB)	0.0935	0.0918	mg/L	1	0.100	94	92	75.8 - 110

Laboratory Control Spike (LCS-1)

QC Batch: 41613
 Prep Batch: 35956

Date Analyzed: 2007-10-01
 QC Preparation: 2007-10-01

Analyzed By: KB
 Prepared By: KB

continued ...

Matrix Spike (MS-1) Spiked Sample: 137515

QC Batch: 41610
 Prep Batch: 35953

Date Analyzed: 2007-10-01
 QC Preparation: 2007-10-01

Analyzed By: KB
 Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.103	mg/L	1	0.100	<0.000247	103	78.2 - 121
Toluene	0.101	mg/L	1	0.100	<0.000257	101	73.7 - 122
Ethylbenzene	0.100	mg/L	1	0.100	<0.000336	100	72.6 - 123
Xylene	0.292	mg/L	1	0.300	<0.000218	97	76.4 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	² 0.0828	mg/L	1	0.100	<0.000247	83	78.2 - 121	22	20
Toluene	³ 0.0814	mg/L	1	0.100	<0.000257	81	73.7 - 122	22	20
Ethylbenzene	⁴ 0.0804	mg/L	1	0.100	<0.000336	80	72.6 - 123	22	20
Xylene	⁵ 0.236	mg/L	1	0.300	<0.000218	79	76.4 - 121	21	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0948	0.0936	mg/L	1	0.1	95	94	78.9 - 116
4-Bromofluorobenzene (4-BFB)	0.0918	0.0907	mg/L	1	0.1	92	91	67.9 - 122

Matrix Spike (MS-1) Spiked Sample: 137663

QC Batch: 41613
 Prep Batch: 35956

Date Analyzed: 2007-10-01
 QC Preparation: 2007-10-01

Analyzed By: KB
 Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0886	mg/L	1	0.100	<0.000299	89	70 - 130
Toluene	0.0894	mg/L	1	0.100	<0.000332	89	70 - 130
Ethylbenzene	0.0904	mg/L	1	0.100	<0.000644	90	70 - 130
Xylene	0.273	mg/L	1	0.300	<0.000456	91	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0924	mg/L	1	0.100	<0.000299	92	70 - 130	4	20
Toluene	0.0928	mg/L	1	0.100	<0.000332	93	70 - 130	4	20
Ethylbenzene	0.0935	mg/L	1	0.100	<0.000644	94	70 - 130	3	20
Xylene	0.282	mg/L	1	0.300	<0.000456	94	70 - 130	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

²Matrix spike RPD out of control limits. Use LCS/LCSD to demonstrate analysis is under control.
³Matrix spike RPD out of control limits. Use LCS/LCSD to demonstrate analysis is under control.
⁴Matrix spike RPD out of control limits. Use LCS/LCSD to demonstrate analysis is under control.
⁵Matrix spike RPD out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0939	0.0956	mg/L	1	0.1	94	96	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0994	0.101	mg/L	1	0.1	99	101	70 - 130

Matrix Spike (MS-1) Spiked Sample: 138092

QC Batch: 41660 Date Analyzed: 2007-10-02 Analyzed By: MT
Prep Batch: 35994 QC Preparation: 2007-10-02 Prepared By: MT

Param	MS Result	MSD Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0893	mg/L	1	0.100	<0.000299	89	70 - 130
Toluene	0.0898	mg/L	1	0.100	<0.000332	90	70 - 130
Ethylbenzene	0.0891	mg/L	1	0.100	<0.000644	89	70 - 130
Xylene	0.270	mg/L	1	0.300	<0.000456	90	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0911	mg/L	1	0.100	<0.000299	91	70 - 130	2	20
Toluene	0.0920	mg/L	1	0.100	<0.000332	92	70 - 130	2	20
Ethylbenzene	0.0906	mg/L	1	0.100	<0.000644	91	70 - 130	2	20
Xylene	0.276	mg/L	1	0.300	<0.000456	92	70 - 130	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0907	0.100	mg/L	1	0.1	91	100	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0951	0.105	mg/L	1	0.1	95	105	70 - 130

Standard (ICV-1)

QC Batch: 41610 Date Analyzed: 2007-10-01 Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.103	103	85 - 115	2007-10-01
Toluene		mg/L	0.100	0.100	100	85 - 115	2007-10-01
Ethylbenzene		mg/L	0.100	0.0991	99	85 - 115	2007-10-01
Xylene		mg/L	0.300	0.290	97	85 - 115	2007-10-01

Standard (CCV-1)

QC Batch: 41610 Date Analyzed: 2007-10-01 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.102	102	85 - 115	2007-10-01

continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0893	89	85 - 115	2007-10-02
Toluene		mg/L	0.100	0.0903	90	85 - 115	2007-10-02
Ethylbenzene		mg/L	0.100	0.0913	91	85 - 115	2007-10-02
Xylene		mg/L	0.300	0.281	94	85 - 115	2007-10-02

Trace Analysis, Inc.

email: lab@traceanalysis.com

Company Name:

American Environmental Consulting

Address: (Street, City, Zip)

2885 S. Navasbally, Suite 3, Littleton, CO 80128

Contact Person:

Mike Stewart

Invoice to: DCP Midstream

(If different from above) Attn: Steve Weathers

Project #:

DCP Midstream - J42 Pipeline Leak

Project Location (including state):

Lea County, New Mexico

Project Name:

DCP Midstream - J42 Pipeline Leak

Sampler Signature:

John Stewart

Phone #: 303-948-7753

Fax #:

80128

E-mail:

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
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200 East Sunset Rd., Suite E
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Fax (915) 585-4944
1 (888) 588-3443

8808 Camp Bowie Blvd. West, Suite 180
Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

ANALYSIS REQUEST (Circle or Specify Method No.)

<input type="checkbox"/>	GC/MS Vol. 8260B / 624
<input type="checkbox"/>	GC/MS Semi. Vol. 8270C / 625
<input type="checkbox"/>	PCB's 8082 / 608
<input type="checkbox"/>	Pesticides 8081A / 608
<input type="checkbox"/>	BOD, TSS, pH
<input type="checkbox"/>	Moisture Content
<input type="checkbox"/>	RCI
<input type="checkbox"/>	TCLP Volatiles
<input type="checkbox"/>	TCLP Semi Volatiles
<input type="checkbox"/>	TCLP Pesticides
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Volatiles
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	PAH 8270C / 625
<input type="checkbox"/>	TPH 8015 GRO / DRO / TVHC
<input type="checkbox"/>	TPH 418.1 / TX1005 / TX1005 Ex(C35)
<input type="checkbox"/>	MTBE 8021B / 602 / 8260B / 624
<input type="checkbox"/>	BTEX 8021B / 602 / 8260B / 624

LAB # LAB USE ONLY	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING		Turn Around Time if different from standard	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE		NONE
37659	MW-1 (0709261330)	3		✓				✓				9/26/07	1330	MS/MSD
9660	MW-2 (0709261250)	3		✓				✓				9/26/07	1250	
9661	MW-3 (0709251850)	3		✓				✓				9/25/07	1850	
9662	MW-4 (0709251820)	3		✓				✓				9/25/07	1820	
9663	MW-5 (0709251750)	9		✓				✓				9/25/07	1750	✓
9664	MW-7 (0709251720)	3		✓				✓				9/25/07	1720	
9665	MW-8 (0709251655)	3		✓				✓				9/26/07	1655	
9666	Sub Duplicate (0709251900)	3		✓				✓				9/26/07	1900	
9667	WT Trip Blank	2		✓				✓						

Relinquished by: *John Stewart* Company: Trident Date: 9/27/07 Time: 1630

Received by: *John Stewart* Company: TRACE Date: 9/27/07 Time: 1630

Temp °C: 25

REMARKS: all tests - Midland

LAB USE ONLY

Trace Analysis, Inc. 25

Carrier # *John Stewart*

Submission of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

ORIGINAL COPY



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

August 29, 2007

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

**RE: 2nd Quarter 2007 Groundwater Monitoring Results
DCP Midstream, LP J-4-2 Pipeline Release
Unit C, Section 27, Township 19 South, Range 35 East
Lea County, New Mexico**

Dear Mr. Price:

DCP Midstream, LP (DCP) is pleased to submit for your review, a copy of the 2nd Quarter 2007 Groundwater Monitoring Results for the DCP J-4-2 Pipeline Release located in Lea County, New Mexico (Unit C, Section 27, Township 19 South, Range 35 East). At this time, no RP number has been assigned to this remediation project.

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

A handwritten signature in black ink, appearing to read 'Stephen Weathers', followed by a long horizontal line.

Stephen Weathers, PG
Sr. Environmental Specialist

cc: Carl Chavez, OCD Santa Fe Office
Larry Johnson, OCD Hobbs District Office (Copy on CD)
Lynn Ward, DCP Midland Office
Environmental Files

August 27, 2007

Mr. Stephen Weathers
DCP Midstream, LP
370 17th Street, Suite 2500
Denver, CO 80202

Re: Summary of the Second Quarter 2007 Groundwater Monitoring Results for the
DCP-J-4-2 Pipeline Release in Lea County New Mexico
Unit C, Section 27 Township 19 South, Range 35 East

Dear Mr. Weathers:

This report summarizes the second quarter 2007 groundwater monitoring activities completed at the J-4-2 release location for DCP Midstream, LP (DCP, formerly Duke Energy Field Services, LP). The site is located in the northeastern quarter of the northwestern quarter (Unit C) of Section 27, Township 19 South, Range 35 East approximately 3 miles south of the of intersection of US Highway 82 and State Highway 483 (Utah Junction) in Lea County New Mexico (Figure 1). The approximate coordinates are 32.647° north and 103.447° west.

The monitoring network includes the seven groundwater monitoring wells shown on Figure 2. Table 1 summarizes construction information for each well. Note that monitoring well MW-5 was not installed because of drilling refusal.

GROUNDWATER SAMPLING

Trident Environmental collected groundwater samples on June 26, 2007. The depth to water was measured in each well prior to conducting the purging and sampling activities. The calculated groundwater elevations for all monitoring episodes are summarized in Table 2.

The approximate water-table elevation for MW-1 was estimated using the following formula:

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

- MGWE is the actual measured groundwater elevation;
- FPHT is the measured free-phase hydrocarbon thickness; and
- PD is the FPH density (assumed at 0.73).

The historic FPH thickness values are summarized in Table 3. Well MW-1 did not contain FPH during the February 2006 and the September 2006 sampling events. The FPH was measured at 0.09 feet in both March 2007 and June 2007. The FPH thickness in MW-2 declined from 0.57 feet in February 2006 to no FPH present in June 2007.

Five of the six wells that did not contain FPH were purged and sampled using the standard protocols for this site. Purging was completed using dedicated bailers until a minimum of three casing volumes of water was removed and the field parameters temperature, pH and conductivity stabilized. The well purging forms are attached. The affected purge water was disposed at the DCP Linam Ranch facility. Unfiltered samples were collected using the dedicated bailers. All samples were placed in an ice-filled chest immediately upon collection and delivered to the analytical laboratory using standard chain-of-custody protocol.

Well MW-2 was not purged because of equipment constraints. Instead, a sample was collected from the well with no purging. Well MW-2 will be purged and sampled using standard protocols in subsequent monitoring events provided that no FPH is present.

Well MW-1 was purged and sampled for principal ions (calcium, magnesium, sodium, potassium, alkalinity, chlorides sulfates, nitrates) and total dissolved solids (TDS) even though it contained FPH. No sample was collected for benzene, toluene, ethylbenzene and total xylenes (BTEX) analyses because the FPH in the well could enter the bailer and bias the results. The remaining samples were analyzed for BTEX, principal ions, and TDS.

The laboratory analyses for the sampling episode are summarized in Table 4 for the organic constituents and Table 5 for the inorganic constituents. The laboratory report is attached.

Table 6 provides the quality assurance/quality control (QA/QC) information. The QA/QC evaluation includes:

- The sample container temperature was 1.3° centigrade when the lab received it.
- All of the individual surrogate spikes were within their control limits.
- The relative percentage difference (RPD) values could not be calculated because the constituents for the duplicate were below the method reporting limits.
- The matrix spike and matrix spike duplicate results from the MW-6 sample were all within the control limits for all four constituents.

The above data indicate that the data is suitable as monitoring data.

RESULTS AND INTERPRETATIONS

The results and interpretations presented below are based upon all of the data collected to date. Groundwater flow is discussed first. Evaluation of the organic and inorganic data follows.

Groundwater Flow

Figure 3 includes hydrographs for the corrected water-table elevations for all site wells. The water table rose in wells MW-3 and MW-4, located in the northwestern part of the study area, while declining in the remaining wells. The water table declined in MW-2 to below that measured in MW-3 and MW-4; however, it remained above the value MW-1.

The resulting June 2007 calculated groundwater contours as generated using the Surfer® program with the kriging option are shown on Figure 4. The water table that was measured in June 2007 exhibits a consistent 0.009 feet/foot gradient toward the southeast. The water table elevation measured in MW-1 remains anomalously low relative to its position between MW-3, MW-4 and MW-2 (see hydrographs in Figure 3).

Groundwater Chemistry

Both organic and inorganic data were collected during the June 2007 sampling event. The organic data was collected to identify any expansion or contraction of the dissolve-phase hydrocarbon plume related to the DCP Midstream pipeline release. The inorganic data was collected to evaluate the potential for other sources since salts are typically not associated with mid-stream-industry type releases.

The June 2007 organic (hydrocarbon) data is summarized in Table 4. The New Mexico Water Quality Control Commission (NMWQCC) groundwater standards are reproduced at the top of the table. The constituents that exceeded these standards are highlighted by bolding. Examination of Table 4 shows that benzene in MW-2 was the only constituent that exceeded the NMWQCC groundwater standards. None of the other constituents exceeded these standards in MW-2 or any of the remaining wells.

The benzene concentrations are plotted on Figure 5. Spatially, the organic constituents attenuate to below the method reporting limit prior to reaching MW-7.

The data for all of the organic constituents are summarized in Table 7. Examination of Table 7 indicates the following:

- The concentrations in MW-1 cannot be evaluated. FPH has been present in MW-1 during the last three sampling events.

- FPH has only been absent in MW-2 during the most recent episode so only one data set is available;
- None of the BTEX constituents have been detected in down-gradient wells MW-6, MW-7 and MW-8;
- The BTEX concentrations in MW-3 have remained below the method reporting limits with the exception of the primary June 2007 sample. The concentrations in the primary June 2007 sample were near the MRL while the concentrations in its duplicate are all below the MRL. Based upon the above information, the potential for cross-gradient constituent migration appears to be limited at best.

The benzene data in mg/l for MW-4 is summarized below:

<u>Date</u>	<u>Concentration</u>
9/06	0.0086
12/06	0.0295
12/06 (dup)	0.0207
3/07	0.0044
6/07	<0.001

The results appear to demonstrate that the benzene concentration have declined in MW-4 over time. Additional sampling will be necessary to verify this trend.

The June 2007 inorganic data is summarized in Table 5. The NMWQCC groundwater standards, where present, are reproduced at the top of the table. The value for nitrates is a primary (health-based) drinking water standard. The standards for the remaining constituents are all secondary (aesthetics).

Examination of Table 5 shows that the NMWQCC groundwater standards for chlorides and TDS were exceeded in all seven of the wells. The inorganic results indicate that the water is unusable for domestic purposes and its use may be restricted for irrigation and stock watering.

The chloride and TDS data were contoured using the Surfer program with the kriging option. The resulting isopleth maps are shown in Figures 6 and 7 respectively. Both of these maps demonstrate the same trend of the highest concentration at the northern upgradient border in MW-4, a location that is upgradient of the DCP J-4-2 pipeline leak. The concentrations attenuate to the south. This distribution is different than the benzene distribution shown in Figure 5 where benzene was not detected in MW-4. These two facts indicate that the source for the salts is up-gradient and not associated with this release.

Mr. Stephen Weathers
August 27, 2007
Page 5

CONCLUSIONS AND RECOMMENDATIONS

Based upon the data collected to date, AEC concludes that;

- Groundwater flow is constant toward the southeast with the exception of an anomalous area associated with MW-1;
- The dissolved-phase hydrocarbon plume associated with the DCP J-4-2 pipeline release is not expanding;
- The FPH in MW-1 and MW-2 is declining, and it may already be absent in MW-2;
- The benzene concentration in cross-gradient well MW-4 may be declining; and
- The source for the chlorides measured at the site may be from an up-gradient (north to northwest) source.

Passive FPH collection bailers were installed in wells MW-1 and MW-2. These bailers have been checked and emptied as necessary on a regular basis.

The next groundwater-monitoring event is scheduled for the third quarter of 2007. Do not hesitate to contact me if you have any questions or comments on this letter.

Sincerely,
AMERICAN ENVIRONMENTAL CONSULTING, LLC

Michael H. Stewart
Michael H. Stewart, P.E., C.P.G.
Principal Engineer
MHS/tbm

TABLES

Table 1 – Summary of Monitoring Well Completions at the J-4-2 Site

Name	Date Installed	Stickup	Casing Diameter (inches)	Total Depth (btoc)	Screen Interval (ground)	Sand Interval
MW-1	2/06	3.17	2	43.05	19-39	17-39
MW-2	2/06	3.08	4	43.30	19-39	17-39
MW-3	2/06	3.21	2	43.00	19-39	17-39
MW-4	9/06	3.12	2	38.12	20-35	18-35
MW-5	Not installed because of drilling refusal					
MW-6	9/06	3.32	2	38.32	20-35	18-35
MW-7	9/06	2.95	2	39.45	21.5-36.5	19.5-36.5
MW-8	9/06	3.32	2	38.32	20-35	18-35

All units are feet except as noted
 btoc: Below top of casing

Table 2 - Summary of Water Table Elevations for the J-4-2 Site

	2/15/06	9/25/06	12/21/06	3/14/07	6/26/07
MW-1	3713.61	3712.60	3712.63	3712.29	3712.15
MW-2	3713.93	3713.48	3712.49	3712.75	3712.63
MW-3	3713.36	3712.57	3712.57	3712.55	3712.79
MW-4		3712.80	3712.82	3712.78	3713.25
MW-6		3711.76	3712.00	3711.96	3711.87
MW-7		3711.03	3710.80	3710.73	3710.50
MW-8		3709.22	3708.95	3708.79	3708.54

Units are feet

Blank cells: wells not installed

Table 3 - Summary of Free Phase Hydrocarbon Thickness Values for MW-1 and MW-2

Date	MW-1	MW-2
02/15/06	0.00	0.57
09/25/06	0.00	0.15
12/21/06	0.09	0.13
03/14/07	0.09	0.00

Units are feet

Table 4 - Summary of June 26, 2007 Organic Groundwater Sampling Results

Well	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Groundwater Standard	0.01	0.75	0.75	0.62
MW-2*	0.0262	0.0382	0.0404	0.335
MW-3	0.0029	0.0053	0.0015	0.0097
MW-3 Dup	<0.001	<0.001	<0.001	<0.001
MW-4	<0.001	<0.001	<0.001	0.0025
MW-6	<0.001	<0.001	<0.001	<0.001
MW-7	<0.001	<0.001	<0.001	0.0027
MW-8	<0.001	<0.001	<0.001	<0.001

Notes: Units are mg/l,

* MW-2 not purged prior to sampling

W-1 contained free phase hydrocarbon so it was not sampled.

MW-5 was not installed because of drilling refusal

The duplicate sample was not analyzed for chlorides and total dissolved solids

Table 5 - Summary of June 26, 2007 Inorganic Groundwater Sampling Results

Well	Calcium	Magnesium	Sodium	Potassium
NMWQCC Groundwater Standard	NA	NA	NA	NA
MW-1	572	130	923	13
MW-2	406	103	1,180	34
MW-3	377	80	454	7.0
MW-4	1,220	446	5,330	63
MW-6	150	34	215	4.0
MW-7	296	70	391	6.0
MW-8	206	48	227	4.0

Well	Bicarbonate Alkalinity	Chloride	Sulfate	Nitrate*	Total Solids
NMWQCC Groundwater Standard	NA	250	600	10	1,000
MW-1	212	2,760	155	3	5,900
MW-2	222	2,640	249	4	6,005
MW-3	230	1,380	97	4	4,065
MW-4	226	10,800	685	5	19,900
MW-6	264	544	63	3	1,334
MW-7	252	1,150	87	4	3,035
MW-8	216	617	68	3	1,996

Notes: Units are mg/l

NA no established groundwater standard

MW-5 was never installed

The duplicate sample was not analyzed for the inorganic constituents

* nitrate is a primary (health-based) drinking water standard. The remaining standards are all non-health based (asthetics)

Table 6 - Quality Assurance Evaluation for the March 2007 Data

MW-3 Duplicate Samples

	Benzene	Toluene	Ethylbenzene	Total Xylenes
RPD (%)	NA	NA	NA	NA

NA: Not analyzed because one or both of the constituents are below their method reporting limit(s).

MW-6 MS/MSD (percent recovery)

	Benzene	Toluene	Ethylbenzene	Total Xylenes
MS	98	98	94	94
MSD	99	102	98	98

MS: matrix spike

MSD: matrix spike duplicate

Table 7 – Summary of Organic Groundwater Data

Well	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
NMWQCC Groundwater Standard		0.01	0.75	0.75	0.62
MW-1	2/06	0.139	0.326	0.34	0.31
	9/06	0.0418	0.0048	0.0247	0.0605
Dup	9/06	0.0555	0.0068	0.032	0.0782
	12/06	FPH	FPH	FPH	FPH
	3/07	FPH	FPH	FPH	FPH
	6/07	FPH	FPH	FPH	FPH
MW-2	6/07	0.0262	0.0382	0.0404	0.335
MW-3	2/06	<0.001	<0.001	<0.001	<0.002
	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
Dup	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	0.0029	0.0053	0.0015	0.0097
Dup	6/07	<0.001	<0.001	<0.001	<0.001
MW-4	9/06	0.0086	0.00093J	0.0092	0.0061
	12/06	0.0295	0.0058	<0.002	0.0075
Dup	12/06	0.0207	0.004	<0.002	0.0054
	3/07	0.0044	0.0006	<0.002	0.0032
	6/07	<0.001	<0.001	<0.001	0.0025
MW-6	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	<0.001	<0.001	<0.001	<0.001
MW-7	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	<0.001	<0.001	<0.001	0.0027
MW-8	9/06	<0.002	<0.002	<0.002	<0.006
	12/06	<0.002	<0.002	<0.002	<0.006
	3/07	<0.002	<0.002	<0.002	<0.006
	6/07	<0.001	<0.001	<0.001	<0.001

Notes: Units are mg/l, FPH: No sample because FPH is present:
Blank cell: no sample collected,
MW-2 has contained FPH since it was installed
MW-5 was never installed

FIGURES

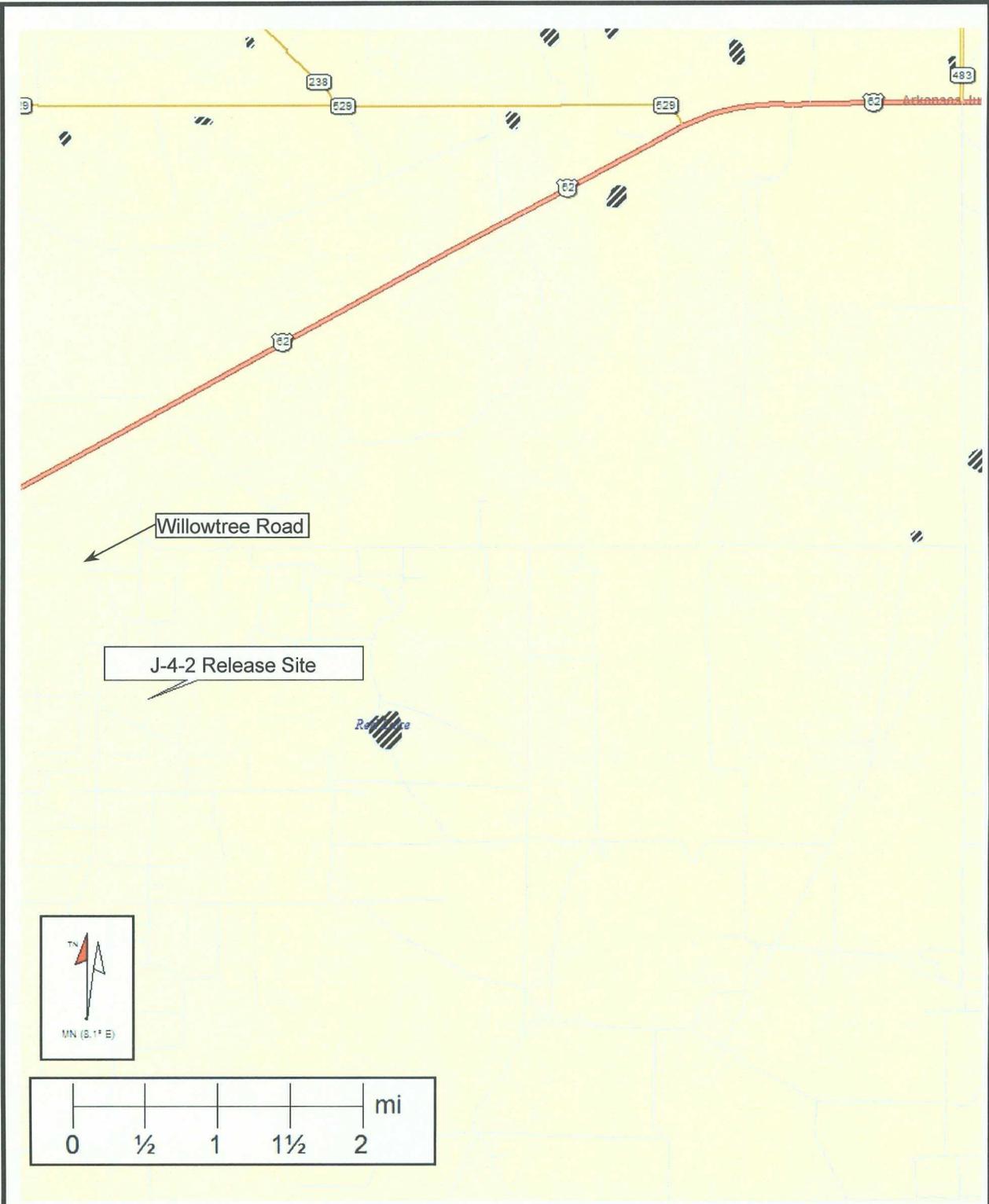


Figure 1 – Site Location
 J-4-2 Groundwater Monitoring



DRAWN BY: MHS
REVISED:
DATE: 5/06

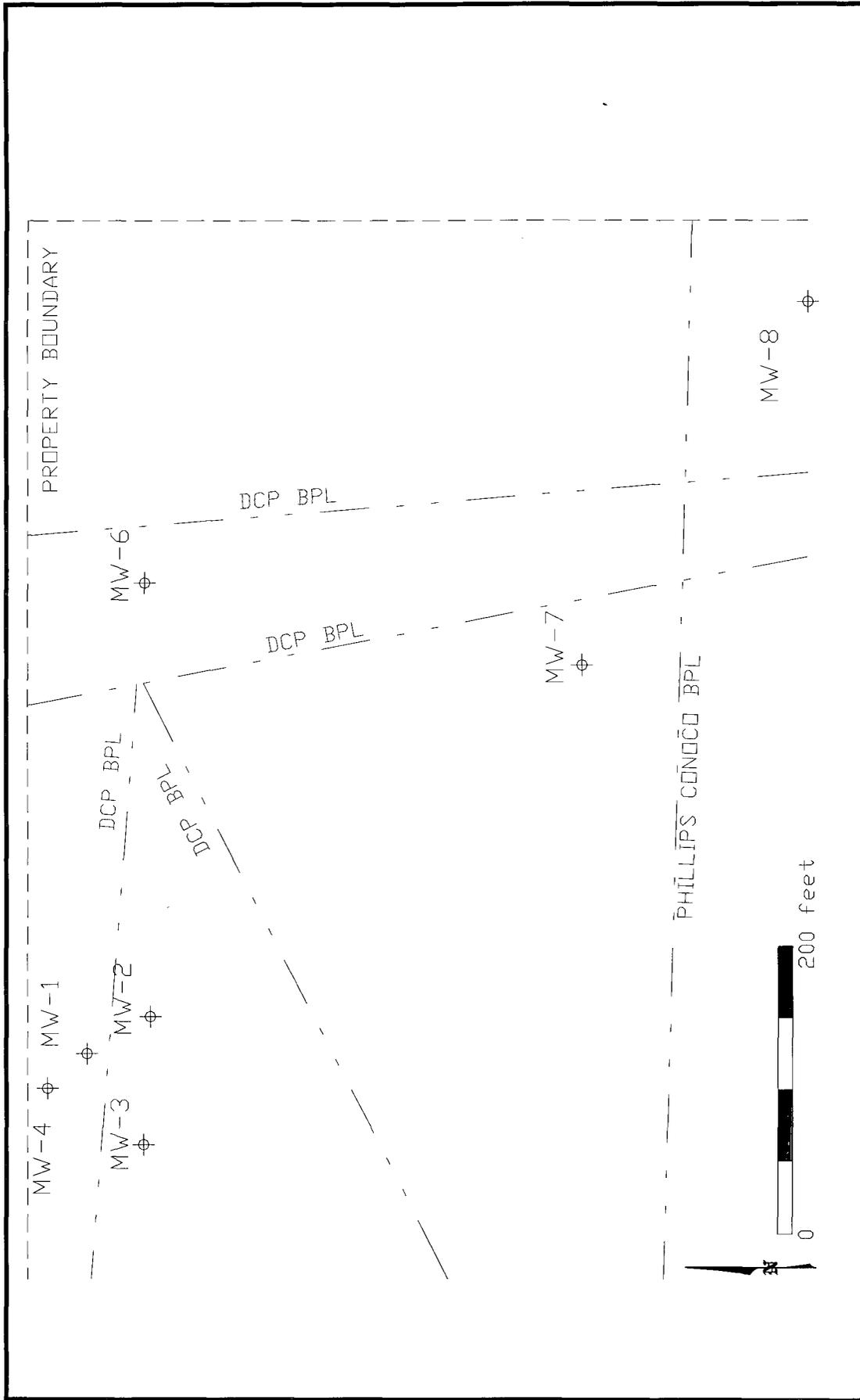


Figure 2 – Site Details

L-4-2 Groundwater Monitoring

DRAWN BY: MHS
DATE: 8/07



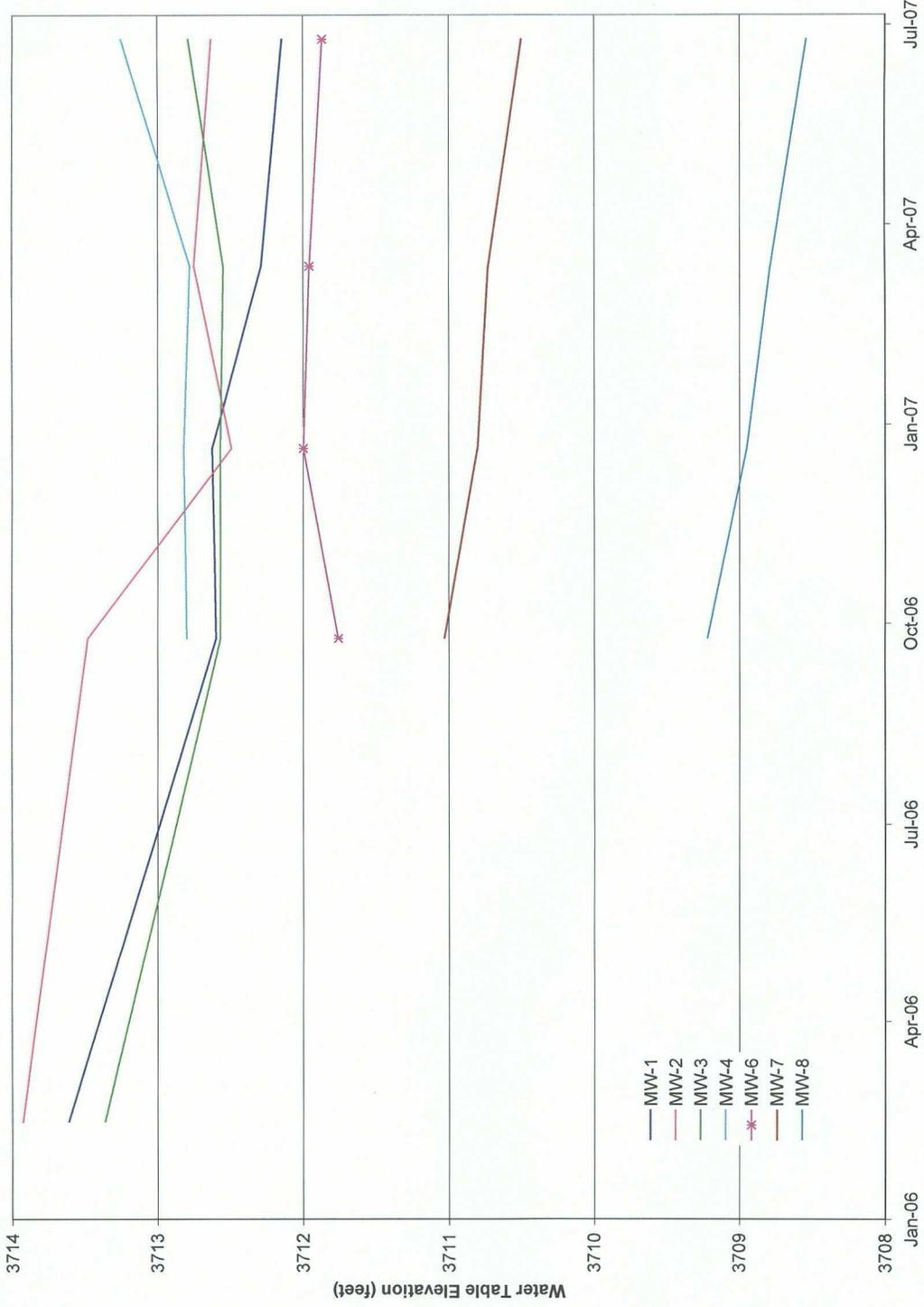


Figure 3 – Monitoring Well Hydrographs

I-4-2 Groundwater Monitoring
dcp Midstream.
 DRAWN BY: MHS
 DATE: 5/07

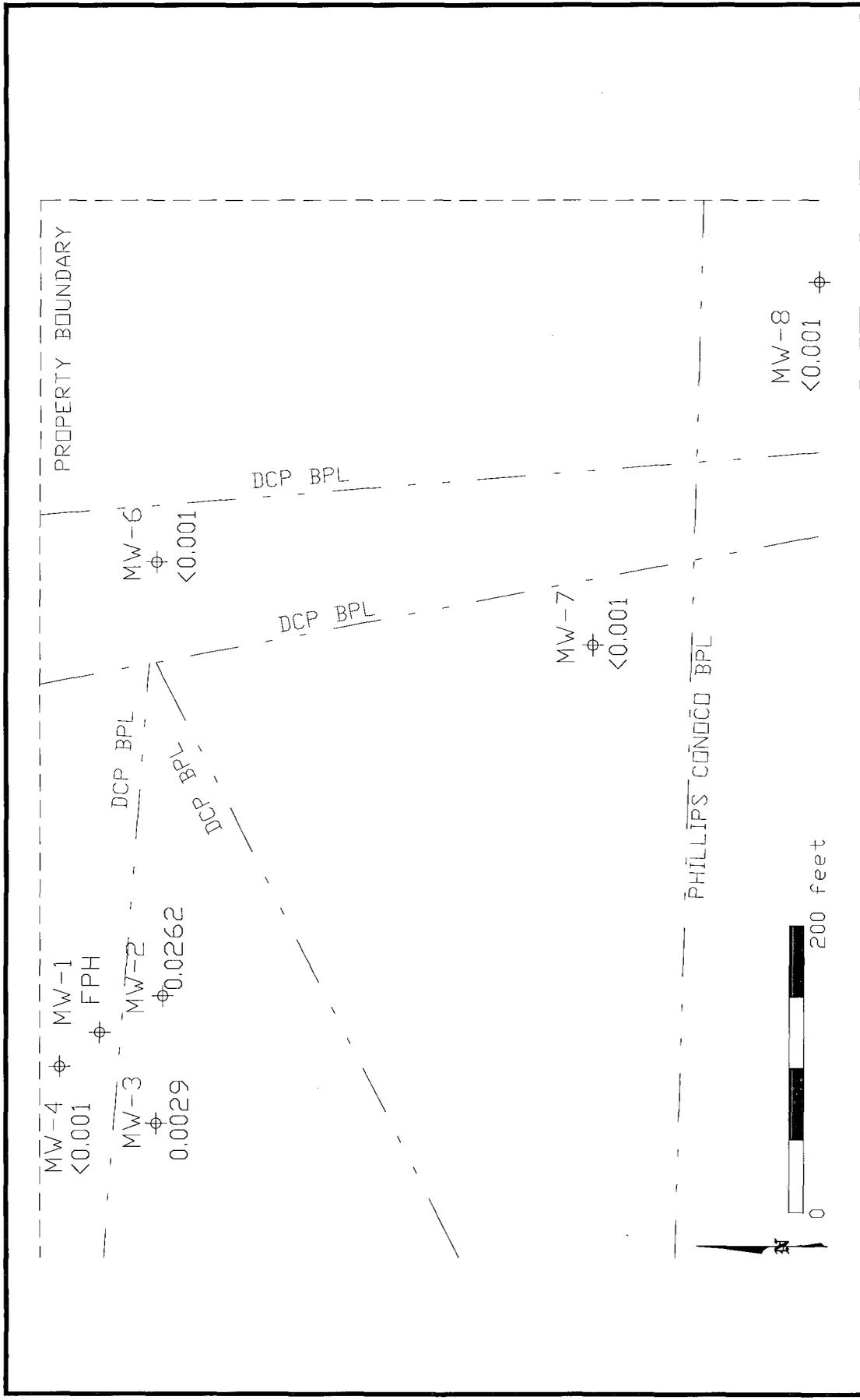


Figure 5 – June 2007 Benzene Results

I-4-2 Groundwater Monitoring	
dgp Midstream	DRAWN BY: MHS
	DATE: 7/07

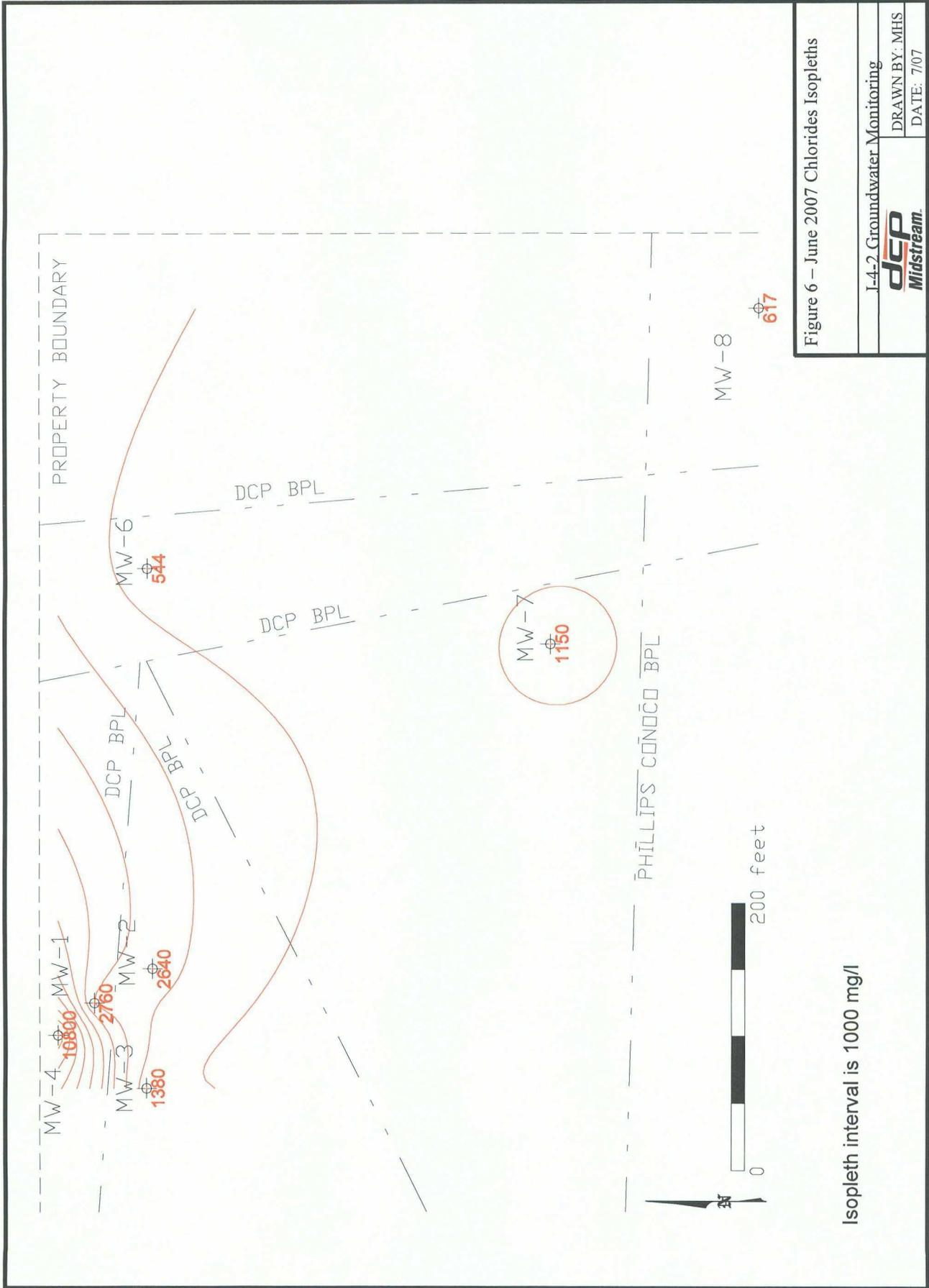


Figure 6 — June 2007 Chlorides Isopleths

I-4-2 Groundwater Monitoring

dcp
Midstream.

DRAWN BY: MHS

DATE: 7/07

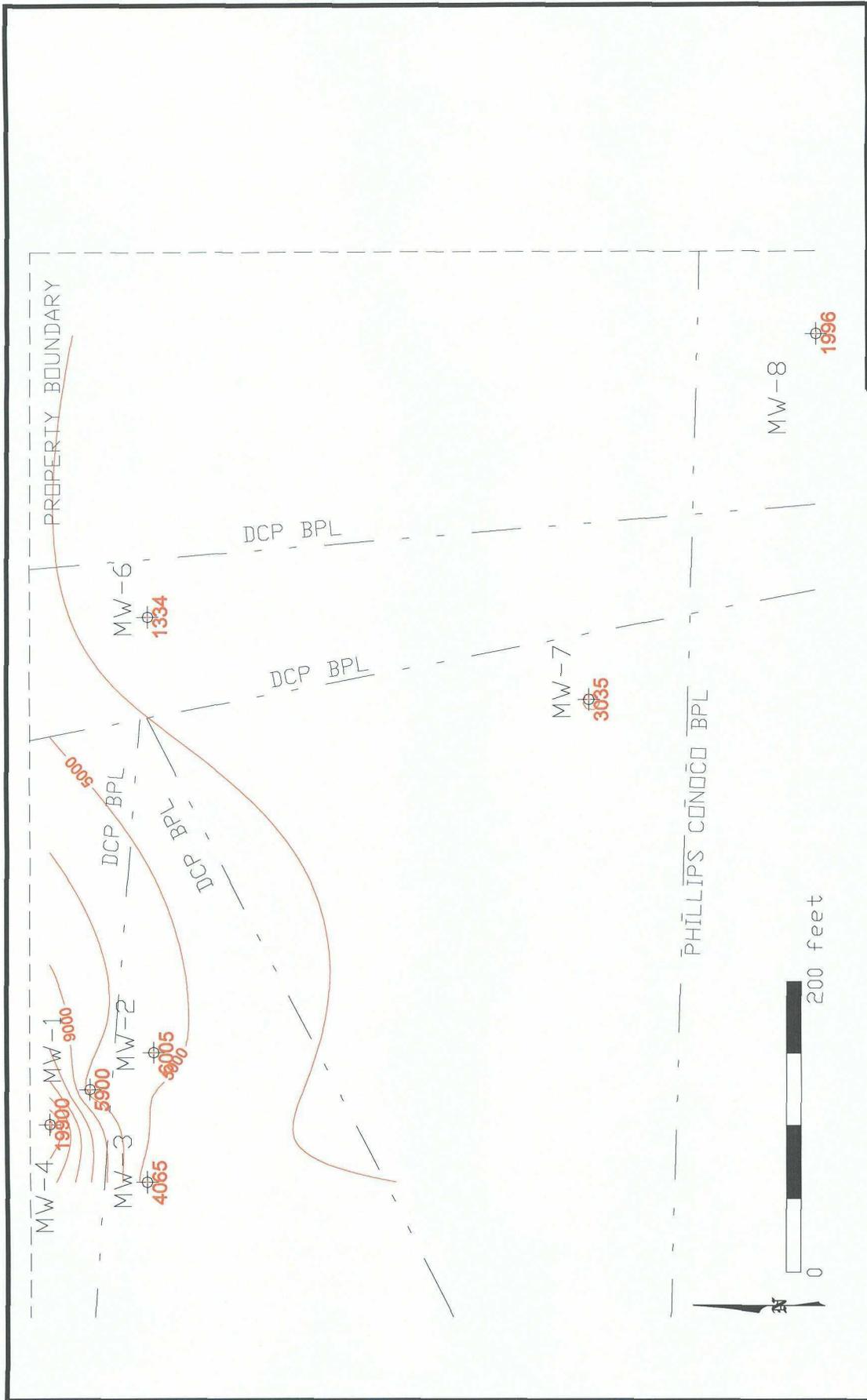


Figure 7 – June 2007 Total Dissolved Solids Isopleths

I-4-2 Groundwater Monitoring

DRAWN BY: MHS

DATE: 7/07



Isopleth interval is 2000 mg/l

**GROUNDWATER SAMPLING NOTES
AND LABORATORY ANALYTICAL REPORT**

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-2
 SITE NAME: J42 (Pipeline Leak) DATE: 6/26/2007
 PROJECT NO. F-119 SAMPLER: J. Fergerson/M. Stewart

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 43.30 Feet

DEPTH TO WATER: 27.99 Feet

HEIGHT OF WATER COLUMN: 15.31 Feet

WELL DIAMETER: 2.0 Inch

7.5 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
15:18	0.0	-	-	-	-	-	Begin Hand Bailing
15:21	2.7	-	-	-	-	-	No Parameter Reading
15:24	5.4	-	-	-	-	-	Collected Due to Possible
15:27	8.1	-	-	-	-	-	Damage to Probe!
0:09 :Total Time (hr:min)		8.1 :Total Vol (gal)		0.90 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 070626 1530

ANALYSES: BTEX (8260), Major Ions, TDS

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-3
 SITE NAME: J42 (Pipeline Leak) DATE: 6/26/2007
 PROJECT NO.: F-119 SAMPLER: J. Ferguson/M. Stewart

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 43.00 Feet

DEPTH TO WATER: 26.6 Feet

HEIGHT OF WATER COLUMN: 16.40 Feet

WELL DIAMETER: 2.0 Inch

8.0 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
14:56	0.0	-	-	-	-	-	Begin Hand Bailing
14:59	2.7	21.2	>4.00	7.06	-	-	
15:01	5.4	20.9	>4.00	7.05	-	-	
15:04	8.1	20.8	>4.00	7.02	-	-	
0:08 :Total Time (hr:min)		8.1 :Total Vol (gal)		1.01 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 070626 1505
 ANALYSES: BTEX (8260), Major Ions, TDS
 COMMENTS: Collected Duplicate Sample No.: 0706261700 for BTEX (8260)

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-4
 SITE NAME: J42 (Pipeline Leak) DATE: 6/26/2007
 PROJECT NO. F-119 SAMPLER: J. Ferguson/M. Stewart

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 38.12 Feet

DEPTH TO WATER: 26.99 Feet

HEIGHT OF WATER COLUMN: 11.13 Feet

WELL DIAMETER: 2.0 Inch

5.4 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
14:43	0.0	-	-	-	-	-	Begin Hand Bailing
14:45	2.0	21.8	3.78	6.98	-	-	
14:46	4.0	21.1	>4.00	6.80	-	-	
14:47	6.0	20.9	>4.00	6.77	-	-	
0:04	:Total Time (hr:min)		6	:Total Vol (gal)		1.49	:Flow Rate (gal/min)

SAMPLE NO.: Collected Sample No.: 070626 1450
 ANALYSES: BTEX (8260), Major Ions, TDS
 COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-6
 SITE NAME: J42 (Pipeline Leak) DATE: 6/26/2007
 PROJECT NO. F-119 SAMPLER: J. Ferguson/M. Stewart

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 38.32 Feet

DEPTH TO WATER: 28.09 Feet

HEIGHT OF WATER COLUMN: 10.23 Feet

WELL DIAMETER: 2.0 Inch

5.0 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
14:27	0.0	-	-	-	-	-	Begin Hand Bailing
14:29	1.7	21.7	2.54	7.18	-	-	
14:30	3.4	20.6	2.21	7.22	-	-	
14:31	5.1	20.4	2.06	7.24	-	-	
14:34	6.8	20.3	1.99	7.22	-	-	
0:07 :Total Time (hr:min)		6.8 :Total Vol (gal)		0.97 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 070626 1435
 ANALYSES: BTEX (8260), Major Ions, TDS
 COMMENTS: Collected MS/MSD Samples!

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-7
 SITE NAME: J42 (Pipeline Leak) DATE: 6/26/2007
 PROJECT NO.: F-119 SAMPLER: J. Ferguson/M. Stewart

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 39.45 Feet

DEPTH TO WATER: 30.23 Feet

HEIGHT OF WATER COLUMN: 9.22 Feet

WELL DIAMETER: 2.0 Inch

4.5 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
14:13	0.0	-	-	-	-	-	Begin Hand Bailing
14:15	1.7	21.7	3.99	7.03	-	-	
14:17	3.4	20.9	>4.00	7.06	-	-	
14:19	5.1	20.6	>4.00	7.07	-	-	
0:06	:Total Time (hr:min)		5.1	:Total Vol (gal)		0.85	:Flow Rate (gal/min)

SAMPLE NO.: Collected Sample No.: 070626 1420

ANALYSES: BTEX (8260), Major Ions, TDS

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-8
 SITE NAME: J42 (Pipeline Leak) DATE: 6/26/2007
 PROJECT NO. F-119 SAMPLER: J. Ferguson/M. Stewart

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 38.32 Feet

DEPTH TO WATER: 28.78 Feet

HEIGHT OF WATER COLUMN: 9.54 Feet

WELL DIAMETER: 2.0 Inch

4.7 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
13:57	0.0	-	-	-	-	-	Began Hand Bailing
13:59	1.7	22.9	2.53	6.90	-	-	
14:02	3.4	21.7	2.43	7.02	-	-	
14:04	5.1	21.1	2.45	7.04	-	-	
0:07 :Total Time (hr:min)		5.1 :Total Vol (gal)		0.73 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 070626 1405

ANALYSES: BTEX (8260), Major Ions, TDS

COMMENTS: _____



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Mike Stewart
American Environmental Consulting
6885 South Marshall Street
Suite 3
Littleton, CO, 80128

Report Date: July 10, 2007

Work Order: 7062821



Project Location: Lea County, NM
Project Name: DCP Midstream-J42 Pipeline
Project Number: DCP Midstream-J42 Pipeline

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
128756	MW-1 (0706261545)	water	2007-06-26	15:45	2007-06-28
128757	MW-2 (0706261530)	water	2007-06-26	15:30	2007-06-28
128758	MW-3 (0706261505)	water	2007-06-26	15:05	2007-06-28
128759	MW-4 (0706261450)	water	2007-06-26	14:50	2007-06-28
128760	MW-6 (0706261435)	water	2007-06-26	14:35	2007-06-28
128761	MW-7 (0706261420)	water	2007-06-26	14:20	2007-06-28
128762	MW-8 (0706261405)	water	2007-06-26	14:05	2007-06-28
128763	Duplicate (0706261700)	water	2007-06-26	17:00	2007-06-28

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 25 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 128756 - MW-1 (0706261545)

Analysis: Alkalinity Analytical Method: SM 2320B Prep Method: N/A
QC Batch: 38716 Date Analyzed: 2007-07-02 Analyzed By: JS
Prep Batch: 33511 Sample Preparation: 2007-07-02 Prepared By: JS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		212	mg/L as CaCo3	1	4.00
Total Alkalinity		212	mg/L as CaCo3	1	4.00

Sample: 128756 - MW-1 (0706261545)

Analysis: Cations Analytical Method: S 6010B Prep Method: S 3005A
QC Batch: 38754 Date Analyzed: 2007-07-02 Analyzed By: TP
Prep Batch: 33486 Sample Preparation: 2007-07-02 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		572	mg/L	10	0.500
Dissolved Potassium		12.5	mg/L	1	0.500
Dissolved Magnesium		130	mg/L	10	0.500
Dissolved Sodium		923	mg/L	10	0.500

Sample: 128756 - MW-1 (0706261545)

Analysis: Ion Chromatography Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 38817 Date Analyzed: 2007-07-05 Analyzed By: ER
Prep Batch: 33596 Sample Preparation: 2007-07-05 Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2760	mg/L	100	0.500
Fluoride		<1.00	mg/L	5	0.200
Sulfate		155	mg/L	5	0.500

Sample: 128756 - MW-1 (0706261545)

Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 38817 Date Analyzed: 2007-07-05 Analyzed By: ER
Prep Batch: 33596 Sample Preparation: 2007-07-05 Prepared By: ER

continued ...

sample continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)		0.0855	mg/L	1	0.100	86	22.2 - 104.5

Sample: 128757 - MW-2 (0706261530)

Analysis: Cations	Analytical Method: S 6010B	Prep Method: S 3005A
QC Batch: 38754	Date Analyzed: 2007-07-02	Analyzed By: TP
Prep Batch: 33486	Sample Preparation: 2007-07-02	Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		406	mg/L	10	0.500
Dissolved Potassium		34.4	mg/L	1	0.500
Dissolved Magnesium		103	mg/L	10	0.500
Dissolved Sodium		1180	mg/L	20	0.500

Sample: 128757 - MW-2 (0706261530)

Analysis: Ion Chromatography	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 38817	Date Analyzed: 2007-07-05	Analyzed By: ER
Prep Batch: 33596	Sample Preparation: 2007-07-05	Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2640	mg/L	100	0.500
Fluoride		<1.00	mg/L	5	0.200
Sulfate		249	mg/L	5	0.500

Sample: 128757 - MW-2 (0706261530)

Analysis: NO3 (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 38817	Date Analyzed: 2007-07-05	Analyzed By: ER
Prep Batch: 33596	Sample Preparation: 2007-07-05	Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N	²	4.17	mg/L	5	0.200

Sample: 128757 - MW-2 (0706261530)

Analysis: TDS	Analytical Method: SM 2540C	Prep Method: N/A
QC Batch: 38844	Date Analyzed: 2007-07-06	Analyzed By: AR
Prep Batch: 33618	Sample Preparation:	Prepared By: AR

continued ...

²Test for NO3 run out of hold time for sample 128757. •

sample 128757 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		6005	mg/L	5	10.00

Sample: 128758 - MW-3 (0706261505)

Analysis: Alkalinity Analytical Method: SM 2320B Prep Method: N/A
 QC Batch: 38716 Date Analyzed: 2007-07-02 Analyzed By: JS
 Prep Batch: 33511 Sample Preparation: 2007-07-02 Prepared By: JS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		230	mg/L as CaCo3	1	4.00
Total Alkalinity		230	mg/L as CaCo3	1	4.00

Sample: 128758 - MW-3 (0706261505)

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
 QC Batch: 38675 Date Analyzed: 2007-06-29 Analyzed By: AG
 Prep Batch: 33475 Sample Preparation: 2007-06-29 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00290	mg/L	1	0.00100
Toluene		0.00150	mg/L	1	0.00100
Ethylbenzene		0.00530	mg/L	1	0.00100
Xylene		0.00970	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0735	mg/L	1	0.100	74	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0773	mg/L	1	0.100	77	22.2 - 104.5

Sample: 128758 - MW-3 (0706261505)

Analysis: Cations Analytical Method: S 6010B Prep Method: S 3005A
 QC Batch: 38754 Date Analyzed: 2007-07-02 Analyzed By: TP
 Prep Batch: 33486 Sample Preparation: 2007-07-02 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		377	mg/L	10	0.500

continued ...

sample 128758 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Potassium		7.01	mg/L	1	0.500
Dissolved Magnesium		79.8	mg/L	1	0.500
Dissolved Sodium		454	mg/L	10	0.500

Sample: 128758 - MW-3 (0706261505)

Analysis: Ion Chromatography	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 38817	Date Analyzed: 2007-07-05	Analyzed By: ER
Prep Batch: 33596	Sample Preparation: 2007-07-05	Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1380	mg/L	100	0.500
Fluoride		<1.00	mg/L	5	0.200
Sulfate		97.1	mg/L	5	0.500

Sample: 128758 - MW-3 (0706261505)

Analysis: NO3 (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 38817	Date Analyzed: 2007-07-05	Analyzed By: ER
Prep Batch: 33596	Sample Preparation: 2007-07-05	Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N	³	3.52	mg/L	5	0.200

Sample: 128758 - MW-3 (0706261505)

Analysis: TDS	Analytical Method: SM 2540C	Prep Method: N/A
QC Batch: 38844	Date Analyzed: 2007-07-06	Analyzed By: AR
Prep Batch: 33618	Sample Preparation:	Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		4065	mg/L	5	10.00

Sample: 128759 - MW-4 (0706261450)

Analysis: Alkalinity	Analytical Method: SM 2320B	Prep Method: N/A
QC Batch: 38716	Date Analyzed: 2007-07-02	Analyzed By: JS
Prep Batch: 33511	Sample Preparation: 2007-07-02	Prepared By: JS

continued ...

³Test for NO3 run out of hold time for sample 128758. •

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		10800	mg/L	1000	0.500
Fluoride		<1.00	mg/L	5	0.200
Sulfate		685	mg/L	100	0.500

Sample: 128759 - MW-4 (0706261450)

Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 38871 Date Analyzed: 2007-07-06 Analyzed By: ER
 Prep Batch: 33644 Sample Preparation: 2007-07-06 Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N	⁴	4.90	mg/L	5	0.200

Sample: 128759 - MW-4 (0706261450)

Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 38844 Date Analyzed: 2007-07-06 Analyzed By: AR
 Prep Batch: 33618 Sample Preparation: Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		19900	mg/L	100	10.00

Sample: 128760 - MW-6 (0706261435)

Analysis: Alkalinity Analytical Method: SM 2320B Prep Method: N/A
 QC Batch: 38716 Date Analyzed: 2007-07-02 Analyzed By: JS
 Prep Batch: 33511 Sample Preparation: 2007-07-02 Prepared By: JS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		264	mg/L as CaCo3	1	4.00
Total Alkalinity		264	mg/L as CaCo3	1	4.00

Sample: 128760 - MW-6 (0706261435)

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
 QC Batch: 38675 Date Analyzed: 2007-06-29 Analyzed By: AG
 Prep Batch: 33475 Sample Preparation: 2007-06-29 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

⁴Test for NO3 run out of hold time for sample 128759. •

continued ...

sample 128760 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0731	mg/L	1	0.100	73	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0755	mg/L	1	0.100	76	22.2 - 104.5

Sample: 128760 - MW-6 (0706261435)

Analysis: Cations Analytical Method: S 6010B Prep Method: S 3005A
QC Batch: 38754 Date Analyzed: 2007-07-02 Analyzed By: TP
Prep Batch: 33486 Sample Preparation: 2007-07-02 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		150	mg/L	10	0.500
Dissolved Potassium		4.40	mg/L	1	0.500
Dissolved Magnesium		33.9	mg/L	1	0.500
Dissolved Sodium		215	mg/L	10	0.500

Sample: 128760 - MW-6 (0706261435)

Analysis: Ion Chromatography Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 38871 Date Analyzed: 2007-07-06 Analyzed By: ER
Prep Batch: 33644 Sample Preparation: 2007-07-06 Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		544	mg/L	50	0.500
Fluoride		<1.00	mg/L	5	0.200
Sulfate		62.7	mg/L	5	0.500

Sample: 128760 - MW-6 (0706261435)

Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 38871 Date Analyzed: 2007-07-06 Analyzed By: ER
Prep Batch: 33644 Sample Preparation: 2007-07-06 Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N	⁵	3.15	mg/L	5	0.200

⁵Test for NO3 run out of hold time for sample 128760. •

Sample: 128760 - MW-6 (0706261435)

Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 38844 Date Analyzed: 2007-07-06 Analyzed By: AR
 Prep Batch: 33618 Sample Preparation: Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1334	mg/L	2	10.00

Sample: 128761 - MW-7 (0706261420)

Analysis: Alkalinity Analytical Method: SM 2320B Prep Method: N/A
 QC Batch: 38716 Date Analyzed: 2007-07-02 Analyzed By: JS
 Prep Batch: 33511 Sample Preparation: 2007-07-02 Prepared By: JS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		252	mg/L as CaCo3	1	4.00
Total Alkalinity		252	mg/L as CaCo3	1	4.00

Sample: 128761 - MW-7 (0706261420)

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
 QC Batch: 38675 Date Analyzed: 2007-06-29 Analyzed By: AG
 Prep Batch: 33475 Sample Preparation: 2007-06-29 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		0.00270	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0725	mg/L	1	0.100	72	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0741	mg/L	1	0.100	74	22.2 - 104.5

Sample: 128761 - MW-7 (0706261420)

Analysis: Cations Analytical Method: S 6010B Prep Method: S 3005A
 QC Batch: 38754 Date Analyzed: 2007-07-02 Analyzed By: TP
 Prep Batch: 33486 Sample Preparation: 2007-07-02 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		296	mg/L	10	0.500

continued ...

sample 128761 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Potassium		5.89	mg/L	1	0.500
Dissolved Magnesium		69.8	mg/L	1	0.500
Dissolved Sodium		391	mg/L	10	0.500

Sample: 128761 - MW-7 (0706261420)

Analysis: Ion Chromatography Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 38871 Date Analyzed: 2007-07-06 Analyzed By: ER
 Prep Batch: 33644 Sample Preparation: 2007-07-06 Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1150	mg/L	100	0.500
Fluoride		<1.00	mg/L	5	0.200
Sulfate		87.0	mg/L	5	0.500

Sample: 128761 - MW-7 (0706261420)

Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 38871 Date Analyzed: 2007-07-06 Analyzed By: ER
 Prep Batch: 33644 Sample Preparation: 2007-07-06 Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N	⁶	4.08	mg/L	5	0.200

Sample: 128761 - MW-7 (0706261420)

Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 38844 Date Analyzed: 2007-07-06 Analyzed By: AR
 Prep Batch: 33618 Sample Preparation: Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3035	mg/L	5	10.00

Sample: 128762 - MW-8 (0706261405)

Analysis: Alkalinity Analytical Method: SM 2320B Prep Method: N/A
 QC Batch: 38716 Date Analyzed: 2007-07-02 Analyzed By: JS
 Prep Batch: 33511 Sample Preparation: 2007-07-02 Prepared By: JS

continued ...

⁶Test for NO3 run out of hold time for sample 128761. •

sample 128762 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		216	mg/L as CaCo3	1	4.00
Total Alkalinity		216	mg/L as CaCo3	1	4.00

Sample: 128762 - MW-8 (0706261405)

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
 QC Batch: 38675 Date Analyzed: 2007-06-29 Analyzed By: AG
 Prep Batch: 33475 Sample Preparation: 2007-06-29 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0727	mg/L	1	0.100	73	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0746	mg/L	1	0.100	75	22.2 - 104.5

Sample: 128762 - MW-8 (0706261405)

Analysis: Cations Analytical Method: S 6010B Prep Method: S 3005A
 QC Batch: 38754 Date Analyzed: 2007-07-02 Analyzed By: TP
 Prep Batch: 33486 Sample Preparation: 2007-07-02 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		206	mg/L	10	0.500
Dissolved Potassium		4.11	mg/L	1	0.500
Dissolved Magnesium		48.3	mg/L	1	0.500
Dissolved Sodium		227	mg/L	10	0.500

Sample: 128762 - MW-8 (0706261405)

Analysis: Ion Chromatography Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 38871 Date Analyzed: 2007-07-06 Analyzed By: ER
 Prep Batch: 33644 Sample Preparation: 2007-07-06 Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		617	mg/L	50	0.500
Fluoride		<1.00	mg/L	5	0.200
Sulfate		67.5	mg/L	5	0.500

Sample: 128762 - MW-8 (0706261405)

Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 38871 Date Analyzed: 2007-07-06 Analyzed By: ER
 Prep Batch: 33644 Sample Preparation: 2007-07-06 Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N	7	3.44	mg/L	5	0.200

Sample: 128762 - MW-8 (0706261405)

Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 38844 Date Analyzed: 2007-07-06 Analyzed By: AR
 Prep Batch: 33618 Sample Preparation: Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1996	mg/L	2	10.00

Sample: 128763 - Duplicate (0706261700)

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5030B
 QC Batch: 38675 Date Analyzed: 2007-06-29 Analyzed By: AG
 Prep Batch: 33475 Sample Preparation: 2007-06-29 Prepared By: AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0685	mg/L	1	0.100	68	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0740	mg/L	1	0.100	74	22.2 - 104.5

⁷Test for NO3 run out of hold time for sample 128762. •

Method Blank (1) QC Batch: 38675

QC Batch: 38675 Date Analyzed: 2007-06-29 Analyzed By: AG
 Prep Batch: 33475 QC Preparation: 2007-06-29 Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000200	mg/L	0.001
Toluene		<0.000200	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		<0.000300	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0764	mg/L	1	0.100	76	60.1 - 116.8
4-Bromofluorobenzene (4-BFB)		0.0747	mg/L	1	0.100	75	54.4 - 112.5

Method Blank (1) QC Batch: 38716

QC Batch: 38716 Date Analyzed: 2007-07-02 Analyzed By: JS
 Prep Batch: 33511 QC Preparation: 2007-07-02 Prepared By: JS

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<4.00	mg/L as CaCo3	4

Method Blank (1) QC Batch: 38754

QC Batch: 38754 Date Analyzed: 2007-07-02 Analyzed By: TP
 Prep Batch: 33486 QC Preparation: 2007-07-02 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Dissolved Calcium		<0.0290	mg/L	0.5
Dissolved Potassium		1.10	mg/L	0.5
Dissolved Magnesium		<0.0740	mg/L	0.5
Dissolved Sodium		<0.529	mg/L	0.5

Method Blank (1) QC Batch: 38817

QC Batch: 38817 Date Analyzed: 2007-07-05 Analyzed By: ER
 Prep Batch: 33596 QC Preparation: 2007-07-05 Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0240	mg/L	0.2

Method Blank (1) QC Batch: 38817

QC Batch: 38817 Date Analyzed: 2007-07-05 Analyzed By: ER
Prep Batch: 33596 QC Preparation: 2007-07-05 Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.172	mg/L	0.5
Fluoride		<0.119	mg/L	0.2
Sulfate		<0.777	mg/L	0.5

Method Blank (1) QC Batch: 38844

QC Batch: 38844 Date Analyzed: 2007-07-06 Analyzed By: AR
Prep Batch: 33618 QC Preparation: 2007-07-07 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.000	mg/L	10

Method Blank (1) QC Batch: 38871

QC Batch: 38871 Date Analyzed: 2007-07-06 Analyzed By: ER
Prep Batch: 33644 QC Preparation: 2007-07-06 Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0240	mg/L	0.2

Method Blank (1) QC Batch: 38871

QC Batch: 38871 Date Analyzed: 2007-07-06 Analyzed By: ER
Prep Batch: 33644 QC Preparation: 2007-07-06 Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.172	mg/L	0.5
Fluoride		<0.119	mg/L	0.2
Sulfate		<0.777	mg/L	0.5

Duplicates (1)

QC Batch: 38716 Date Analyzed: 2007-07-02 Analyzed By: JS
Prep Batch: 33511 QC Preparation: 2007-07-02 Prepared By: JS

continued ...

Laboratory Control Spike (LCS-1)

QC Batch: 38871
 Prep Batch: 33644

Date Analyzed: 2007-07-06
 QC Preparation: 2007-07-06

Analyzed By: ER
 Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	2.30	mg/L	1	2.50	<0.0240	92	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	2.46	mg/L	1	2.50	<0.0240	98	90 - 110	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 38871
 Prep Batch: 33644

Date Analyzed: 2007-07-06
 QC Preparation: 2007-07-06

Analyzed By: ER
 Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.6	mg/L	1	12.5	<0.172	93	90 - 110
Fluoride	2.32	mg/L	1	2.50	<0.0119	93	90 - 110
Sulfate	11.6	mg/L	1	12.5	<0.777	93	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.2	mg/L	1	12.5	<0.172	90	90 - 110	4	20
Fluoride	2.30	mg/L	1	2.50	<0.0119	92	90 - 110	1	20
Sulfate	11.8	mg/L	1	12.5	<0.777	94	90 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128760

QC Batch: 38675
 Prep Batch: 33475

Date Analyzed: 2007-06-29
 QC Preparation: 2007-06-29

Analyzed By: AG
 Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0976	mg/L	1	0.100	<0.000200	98	75.9 - 114.2
Toluene	0.0983	mg/L	1	0.100	<0.000200	98	78.7 - 111.8
Ethylbenzene	0.0940	mg/L	1	0.100	<0.000200	94	78.3 - 112.3
Xylene	0.282	mg/L	1	0.300	<0.000300	94	79.3 - 114.8

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0994	mg/L	1	0.100	<0.000200	99	75.9 - 114.2	2	20
Toluene	0.102	mg/L	1	0.100	<0.000200	102	78.7 - 111.8	4	20
Ethylbenzene	0.0978	mg/L	1	0.100	<0.000200	98	78.3 - 112.3	4	20
Xylene	0.294	mg/L	1	0.300	<0.000300	98	79.3 - 114.8	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0639	0.0671	mg/L	1	0.1	64	67	43.9 - 121.4
4-Bromofluorobenzene (4-BFB)	0.0772	0.0783	mg/L	1	0.1	77	78	54.2 - 120.1

Matrix Spike (MS-1) Spiked Sample: 128883

QC Batch: 38754
Prep Batch: 33486

Date Analyzed: 2007-07-02
QC Preparation: 2007-07-02

Analyzed By: TP
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Calcium	196	mg/L	1	50.0	156	80	69 - 130
Dissolved Potassium	204	mg/L	1	50.0	156	96	76.8 - 117
Dissolved Magnesium	187	mg/L	1	50.0	146	82	77.9 - 122
Dissolved Sodium	⁸ 4680	mg/L	1	50.0	4410	540	84.2 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Calcium	194	mg/L	1	50.0	156	76	69 - 130	1	20
Dissolved Potassium	⁹ 192	mg/L	1	50.0	156	72	76.8 - 117	6	20
Dissolved Magnesium	¹⁰ 184	mg/L	1	50.0	146	76	77.9 - 122	2	20
Dissolved Sodium	¹¹ 4790	mg/L	1	50.0	4410	760	84.2 - 120	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128758

QC Batch: 38817
Prep Batch: 33596

Date Analyzed: 2007-07-05
QC Preparation: 2007-07-05

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	267	mg/L	100	250	3.5228	105	88.4 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

⁸Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

⁹Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

¹⁰Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

¹¹Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	263	mg/L	100	250	3.5228	104	88.4 - 118	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128758

QC Batch: 38817 Date Analyzed: 2007-07-05 Analyzed By: ER
 Prep Batch: 33596 QC Preparation: 2007-07-05 Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	2600	mg/L	100	1250	1384.18	97	10 - 188
Fluoride	221	mg/L	100	250	<11.9	88	73.4 - 119
Sulfate	1390	mg/L	100	1250	97.0606	103	83.1 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	2630	mg/L	100	1250	1384.18	100	10 - 188	1	20
Fluoride	223	mg/L	100	250	<11.9	89	73.4 - 119	1	20
Sulfate	1400	mg/L	100	1250	97.0606	104	83.1 - 114	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128762

QC Batch: 38871 Date Analyzed: 2007-07-06 Analyzed By: ER
 Prep Batch: 33644 QC Preparation: 2007-07-06 Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	139	mg/L	50	125	3.4365	108	88.4 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	130	mg/L	50	125	3.4365	101	88.4 - 118	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128762

QC Batch: 38871 Date Analyzed: 2007-07-06 Analyzed By: ER
 Prep Batch: 33644 QC Preparation: 2007-07-06 Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1290	mg/L	50	625	617.094	108	10 - 188
Fluoride	108	mg/L	50	125	<5.95	86	73.4 - 119

continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	242	97	90 - 110	2007-07-02

Standard (ICV-1)

QC Batch: 38754

Date Analyzed: 2007-07-02

Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	51.5	103	90 - 110	2007-07-02
Dissolved Potassium		mg/L	50.0	51.5	103	90 - 110	2007-07-02
Dissolved Magnesium		mg/L	50.0	51.4	103	90 - 110	2007-07-02
Dissolved Sodium		mg/L	50.0	50.8	102	90 - 110	2007-07-02

Standard (CCV-1)

QC Batch: 38754

Date Analyzed: 2007-07-02

Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	48.8	98	90 - 110	2007-07-02
Dissolved Potassium		mg/L	50.0	47.0	94	90 - 110	2007-07-02
Dissolved Magnesium		mg/L	50.0	49.0	98	90 - 110	2007-07-02
Dissolved Sodium		mg/L	50.0	52.6	105	90 - 110	2007-07-02

Standard (ICV-1)

QC Batch: 38817

Date Analyzed: 2007-07-05

Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.35	94	90 - 110	2007-07-05

Standard (ICV-1)

QC Batch: 38817

Date Analyzed: 2007-07-05

Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.5	100	90 - 110	2007-07-05
Fluoride		mg/L	2.50	2.25	90	90 - 110	2007-07-05
Sulfate		mg/L	12.5	11.9	95	90 - 110	2007-07-05

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel: (806) 794-1296
Fax: (806) 794-1298
1 (800) 378-1296

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel: (915) 585-3443
Fax: (915) 585-4944
1 (888) 588-3443

6015 Harris Pkwy., Suite 110
Ft. Worth, Texas 76132
Tel: (817) 201-5260

Company Name: American Environmental Consulting
Address: (Street, City, Zip)
6885 S. Marshall, Suite 3
Contact Person: Nike Stewart
Phone #: 803-948-7733
Fax #: 803-948-7739
E-mail:

Invoice to: DCP Midstream
(if different from above) Attn: Steve Weather
Project #: DCP Midstream - 042 Pipeline
Lea County, NN
Project Name:
Sample Signature: [Signature]

LAB# (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD					SAMPLING	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE
128756	NW-1 (0706261545)	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	6/26/07	1545
158	NW-2 (0706261530)	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	6/26/07	1530
150	NW-3 (0706261505)	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	6/26/07	1505
159	NW-4 (0706261480)	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	6/26/07	1480
160	NW-6 (0706261435)	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	6/26/07	1435
161	NW-7 (0706261420)	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	6/26/07	1420
162	NW-8 (0706261405)	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	6/26/07	1405
163	Duplicate (0706261700)	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	6/26/07	1700

Relinquished by: <u>[Signature]</u>	Date: <u>6/26/07</u>	Time: <u>1720</u>	Received by:	Date:	Time:
Relinquished by: <u>[Signature]</u>	Date: <u>6/26/07</u>	Time: <u>1720</u>	Received by:	Date:	Time:
Relinquished by: <u>[Signature]</u>	Date: <u>6/26/07</u>	Time: <u>1720</u>	Received at Laboratory by: <u>[Signature]</u>	Date: <u>6/26/07</u>	Time: <u>1720</u>

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624	✓
BTEX 8021B / 602 / 8260B / 624	✓
TPH 418.1 / TX1005 / TX1005 Ext(C35)	✓
TPH 8015 GRO / DRO / TVHC	✓
PAH 8270C / 625	✓
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	✓
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	✓
TCLP Volatiles	✓
TCLP Semi Volatiles	✓
TCLP Pesticides	✓
RCI	✓
GC/MS Vol. 8260B / 624	✓
GC/MS Semi. Vol. 8270C / 625	✓
PCBs 8082 / 608	✓
Pesticides 8081A / 608	✓
BOD, TSS, pH	✓
Moisture Content	✓
Major Ions / TDS	✓
MS/7SD	✓

REMARKS: Waller County, CA, K, Mg, Na - Tublock
BTEX, chloride, cyanide, NO₃, SO₄
TDS - Midland

Dry Weight Basis Required
 TRRP Report Required
 Check If Special Reporting Limits Are Needed

LAB USE ONLY
Intact Y N
Headspace Y N
Temp 153
Log in Review Y

Carrier # Cony - 111 / Done after



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

May 15, 2007

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

*CARL, MAKE A NEW
IRP FOR THIS
PERMIT & FACILITY
FOR RBAS
& SCAN!*

**RE: 1st Quarter 2007 Groundwater Monitoring Results
DCP Midstream, LP J-4-2 Pipeline Release
Unit C, Section 27, Township 19 South, Range 35 East
Lea County, New Mexico**

Dear Mr. Price:

DCP Midstream, LP (DCP) formerly Duke Energy Field Services, LP is pleased to submit for your review, a copy of the 1st Quarter 2007 Groundwater Monitoring Results for the DCP J-4-2 Pipeline Release located in Lea County, New Mexico (Unit C, Section 27, Township 19 South, Range 35 East). At this time, no RP number has been assigned to this remediation project.

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, PG
Sr. Environmental Specialist

cc: Carl Chavez, OCD Santa Fe Office
Larry Johnson, OCD Hobbs District Office (Copy on CD)
Lynn Ward, DCP Midland Office
Environmental Files

May 14, 2007

Mr. Stephen Weathers
DCP Midstream, LP
370 17th Street, Suite 2500
Denver, CO 80202

Re: Summary of the First Quarter 2007 Groundwater Monitoring Results for the
DCP J-4-2 Pipeline Release in Lea County New Mexico
Unit C, Section 27 Township 19 South, Range 35 East

Dear Mr. Weathers:

This report summarizes the first quarter 2007 groundwater monitoring activities completed at the J-4-2 release location for DCP Midstream, LP (DCP, formerly Duke Energy Field Services, LP). The site is located in the northeastern quarter of the northwestern quarter (Unit C) of Section 27, Township 19 South, Range 35 East approximately 3 miles south of the of intersection of US Highway 82 and State Highway 483 (Utah Junction) in Lea County New Mexico (Figure 1). The approximate coordinates are 32.647° north and 103.447° west.

The monitoring network includes the seven groundwater monitoring wells shown on Figure 2. Table 1 summarizes construction information for each well. Note that monitoring well MW-5 was not installed.

GROUNDWATER SAMPLING

Trident Environmental collected groundwater samples on March 14, 2007. The depth to water was measured in each well prior to conducting the purging and sampling activities. The calculated groundwater elevations for all monitoring episodes are summarized in Table 2. Wells MW-1 and MW-2 both contained measurable free phase hydrocarbons (FPH). Approximate water-table elevations for the wells containing FPH were estimated using the following formula:

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

- MGWE is the actual measured groundwater elevation;
- FPHT is the measured free-phase hydrocarbon thickness; and
- PD is the FPH density (assumed at 0.73).

The historic FPH thickness values are summarized in Table 3. Well MW-1 did not contain FPH during the January 2006 and the September 2006 sampling events. The FPH

thickness in MW-2 remained relatively constant at 0.10 feet between September 2006 and December 2006 after a substantial decline between January 2006 (0.57 feet) and September 2006 (0.15 feet).

The five wells that did not contain FPH were purged and sampled using the standard protocols for this site. Purging was completed using dedicated bailers until a minimum of three casing volumes of water was removed and the field parameters temperature, pH and conductivity stabilized. The well purging forms are attached. The affected purge water was disposed of at the DCP Linam Ranch facility.

Unfiltered samples were collected following well purging using the dedicated bailers. All samples were placed in an ice-filled chest immediately upon collection and delivered to the analytical laboratory (Accutest Laboratories) using standard chain-of-custody protocol. The samples were analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX), chlorides and total dissolved solids. The laboratory analyses for the sampling episode are summarized in Table 4. The laboratory report is attached.

Table 5 provides the quality assurance/quality control (QA/QC) information. The QA/QC evaluation includes:

- The sample temperature was 2.6° centigrade when the lab received them.
- No BTEX constituents were detected in the trip blank.
- All of the individual surrogate spikes were within their control limits.
- The relative percentage difference (RPD) values could not be calculated because the constituents for both samples were below the method reporting limits.
- The matrix spike and matrix spike duplicate results from the MW-7 sample were all within the control limits for all four constituents.

The above data indicate that the data is suitable for all uses.

RESULTS AND INTERPRETATIONS

Figure 3 includes hydrographs for the corrected water-table elevations for all site wells. The water table elevation in MW-2 recovered to an elevation above MW-1 and MW-3 and equivalent to MW-4. The resulting March 2007 calculated groundwater contours as generated using the Surfer® program with the kriging option are shown on Figure 4. The water table that was measured in March 2007 exhibits a consistent gradient toward the southeast at a gradient that is similar to that exhibited in December 2006.

Mr. Stephen Weathers
May 14, 2007
Page 3

Figure 5 depicts the spatial March 2007 benzene distribution. Benzene was reported below the method reporting limit of 0.002 mg/l in MW-3 and in down-gradient wells MW-6, MW-7 and MW-8. The 0.0044 mg/l benzene concentration decreased substantially in MW-4 from the December 2006 value of 0.0295 mg/l (Table 6).

Passive FPH collection bailers were installed in wells MW-1 and MW-2. These bailers will be emptied on a regular basis. This effort will then be evaluated as a long-term removal strategy. Samples will also be collected and analyzed for chlorides in all wells (including any containing FPH) to better evaluate that distribution.

The next groundwater-monitoring event is scheduled for the second quarter of 2007. The second quarter 2007 monitoring event should also be completed to provide a full year of data before conducting a temporal evaluation of the dissolved phase hydrocarbon data trends.

Do not hesitate to contact me if you have any questions or comments on this letter.

Sincerely,
AMERICAN ENVIRONMENTAL CONSULTING, LLC

Michael H. Stewart

Michael H. Stewart, P.E., C.P.G.
Principal Engineer
MHS/tbm

TABLES

Table 1 – Summary of Monitoring Well Completions at the J-4-2 Site

Name	Date Installed	Stickup	Total Depth (btoc)	Screen Interval (ground)	Sand Interval
MW-1	2/06	3.17	43.05	19-39	17-39
MW-2	2/06	3.08	43.30	19-39	17-39
MW-3	2/06	3.21	43.00	19-39	17-39
MW-4	9/06	3.12	38.12	20-35	18-35
MW-5	Not installed because of drilling refusal				
MW-6	9/06	3.32	38.32	20-35	18-35
MW-7	9/06	2.95	39.45	21.5-36.5	19.5-36.5
MW-8	9/06	3.32	38.32	20-35	18-35

All units are feet

Table 2 - Summary of Water Table Elevations for the J-4-2 Site

	2/15/06	9/25/06	12/21/06	3/14/07
MW-1	3713.61	3712.60	3712.63	3712.29
MW-2	3713.93	3713.48	3712.49	3712.75
MW-3	3713.36	3712.57	3712.57	3712.55
MW-4		3712.80	3712.82	3712.78
MW-6		3711.76	3712.00	3711.96
MW-7		3711.03	3710.80	3710.73
MW-8		3709.22	3708.95	3708.79

Units are feet

Blank cells: wells not installed

Table 3 - Summary of Free Phase Hydrocarbon Thickness Values for MW-1 and MW-2

Date	MW-1	MW-2
2/15/06	0.00	0.57
9/25/06	0.00	0.15
12/21/06	0.09	0.13
3/14/07	0.07	0.10

Units are feet

Table 4 - Summary of March 14, 2007 Groundwater Sampling Results

Well	Benzene	Toluene	Ethylbenzene	Total Xylenes	Chlorides	Total Dissolved Solids
Standard	0.01	0.75	0.75	0.62		
MW-3	<0.002	<0.002	<0.002	<0.006	7800	16800
MW-3 Dup	<0.002	<0.002	<0.002	<0.006	NA	NA
MW-4	0.0044	0.0006	<0.002	0.0032	1300	2940
MW-6	<0.002	<0.002	<0.002	<0.006	669	1240
MW-7	<0.002	<0.002	<0.002	<0.006	1230	3380
MW-8	<0.002	<0.002	<0.002	<0.006	609	467

Notes: Units are mg/l,
 MW-1 and MW-2 contained free phase hydrocarbon so they were not sampled.
 MW-5 was never installed
 The duplicate sample was not analyzed for chlorides and total dissolved solids

Table 5 - Quality Assurance Evaluation for the March 2007 Data

MW-3 Duplicate Samples

	Benzene	Toluene	Ethylbenzene	Total Xylenes
RPD (%)	NA	NA	NA	NA

NA: Not analyzed because one or both of the constituents are below their method reporting limit(s).

MW-7 MS/MSD (percent recovery)

	Benzene	Toluene	Ethylbenzene	Total Xylenes
MS	92	88	112	94
MSD	93	99	101	96

MS: matrix spike

MSD: matrix spike duplicate

Table 6 – Summary of Groundwater Data

Well	Sampling Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	TPH GRO	TPH DRO
Standard		0.01	0.75	0.75	0.62		
MW-1	2/06	0.139	0.326	0.34	0.31		
	9/06	0.0418	0.0048	0.0247	0.0605	0.604	0.108J
Dup	9/06	0.0555	0.0068	0.032	0.0782	0.483	0.107J
	12/06	FPH	FPH	FPH	FPH		
	3/07	FPH	FPH	FPH	FPH		
MW-3	2/06	<0.001	<0.001	<0.001	<0.002		
	9/06	<0.002	<0.002	<0.002	<0.006	<0.25	<0.25
	12/06	<0.002	<0.002	<0.002	<0.006		
	3/07	<0.002	<0.002	<0.002	<0.006		
Dup	3/07	<0.002	<0.002	<0.002	<0.006		
MW-4	9/06	0.0086	0.00093J	0.0092	0.0061	0.111	0.669
	12/06	0.0295	0.0058	<0.002	0.0075		
Dup	12/06	0.0207	0.004	<0.002	0.0054		
	3/07	0.0044	0.0006	<0.002	0.0032		
MW-6	9/06	<0.002	<0.002	<0.002	<0.006	<0.05	0.79
	12/06	<0.002	<0.002	<0.002	<0.006		
	3/07	<0.002	<0.002	<0.002	<0.006		
MW-7	9/06	<0.002	<0.002	<0.002	<0.006	<0.05	0.0668J
	12/06	<0.002	<0.002	<0.002	<0.006		
	3/07	<0.002	<0.002	<0.002	<0.006		
MW-8	9/06	<0.002	<0.002	<0.002	<0.006	<0.05	0.0631J
	12/06	<0.002	<0.002	<0.002	<0.006		
	3/07	<0.002	<0.002	<0.002	<0.006		

Notes: Units are mg/l,
 FPH: No sample because FPH is present:
 Blank cell: no sample collected
 MW-2 has contained FPH since he was installed
 MW-5 was never installed

FIGURES

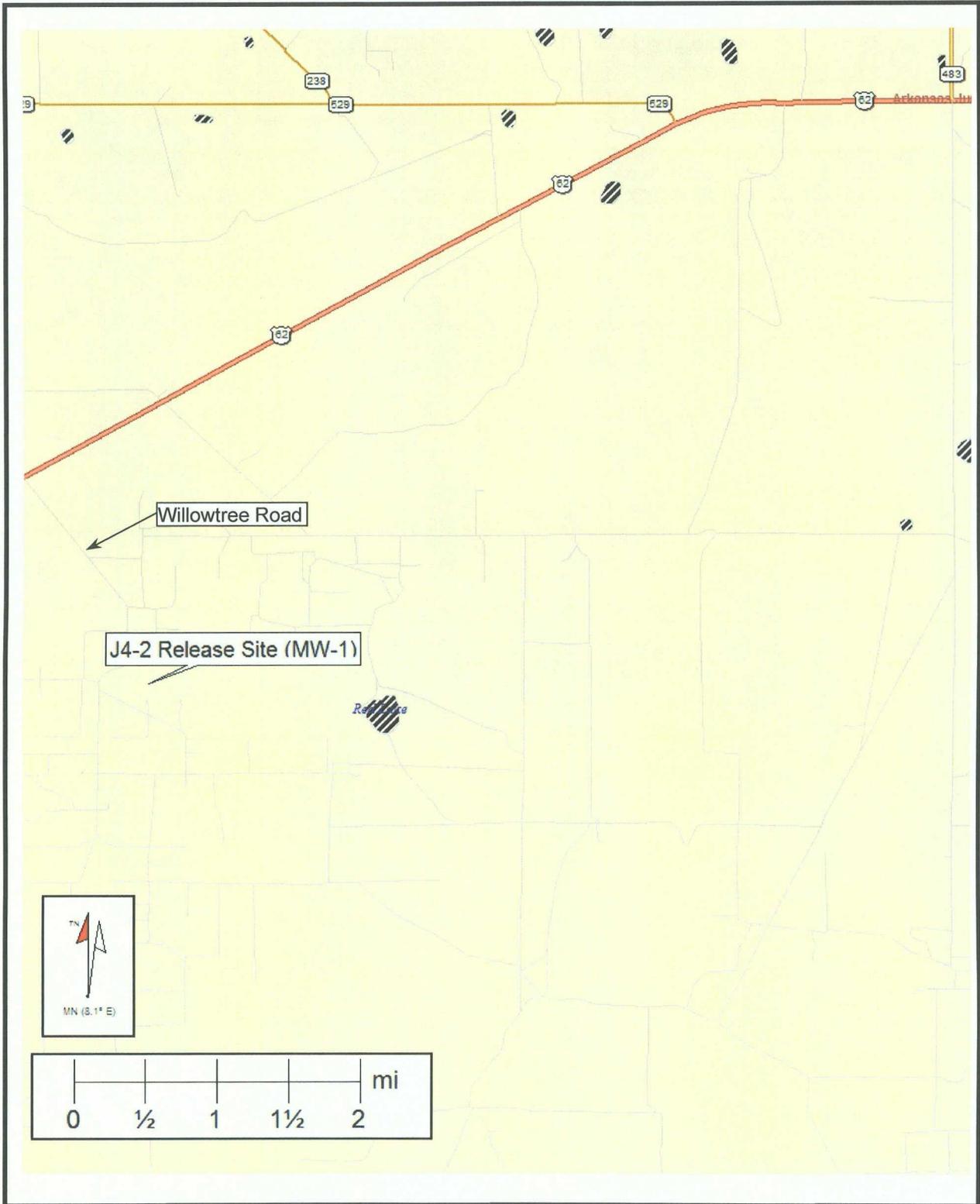


Figure 1 – Site Location
 J-4-2 Groundwater Monitoring



DRAWN BY: MHS
REVISED:
DATE: 5/06

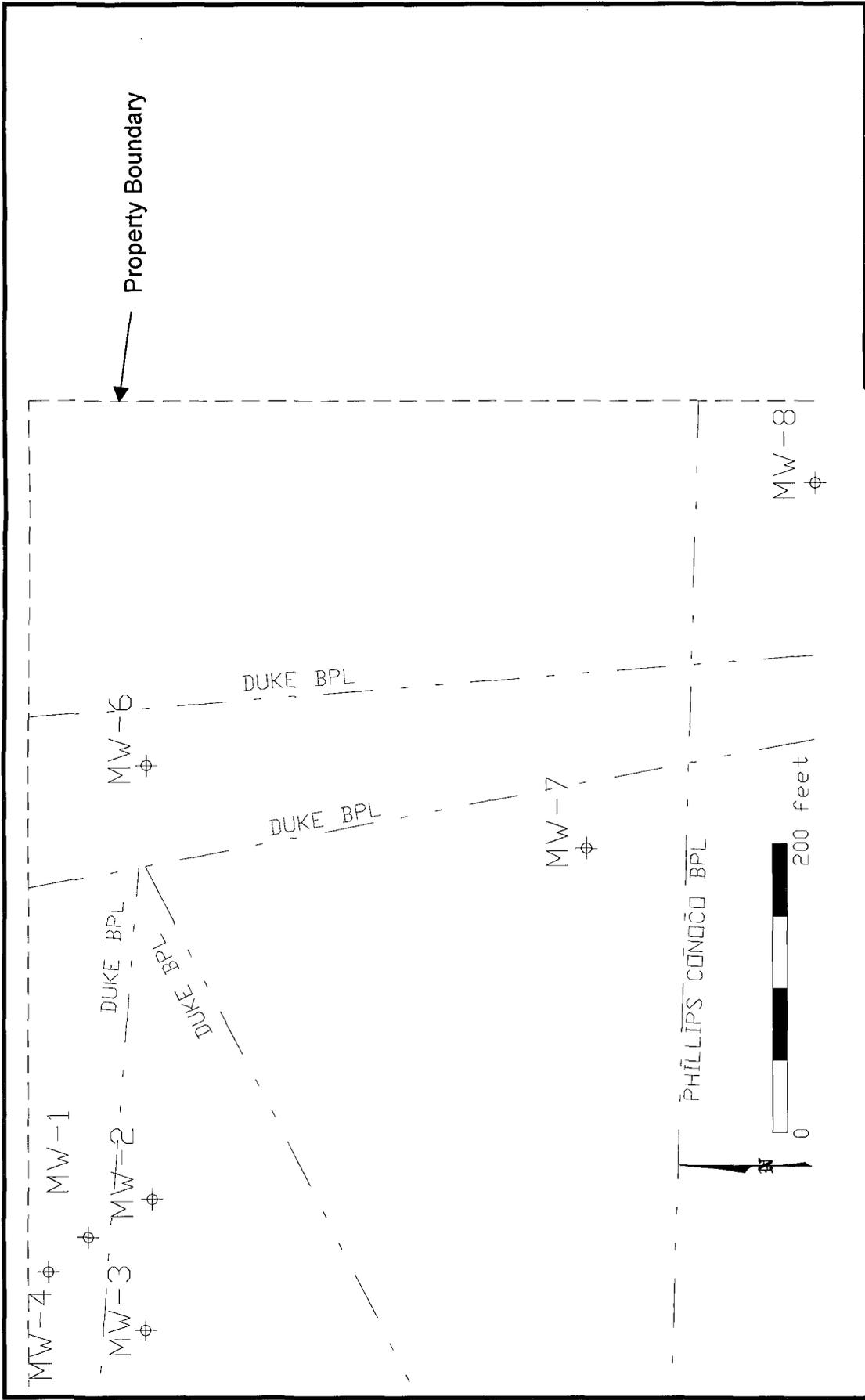


Figure 2 – Site Details

L-4-2 Groundwater Monitoring

drawn by: MHS
DATE: 1/07



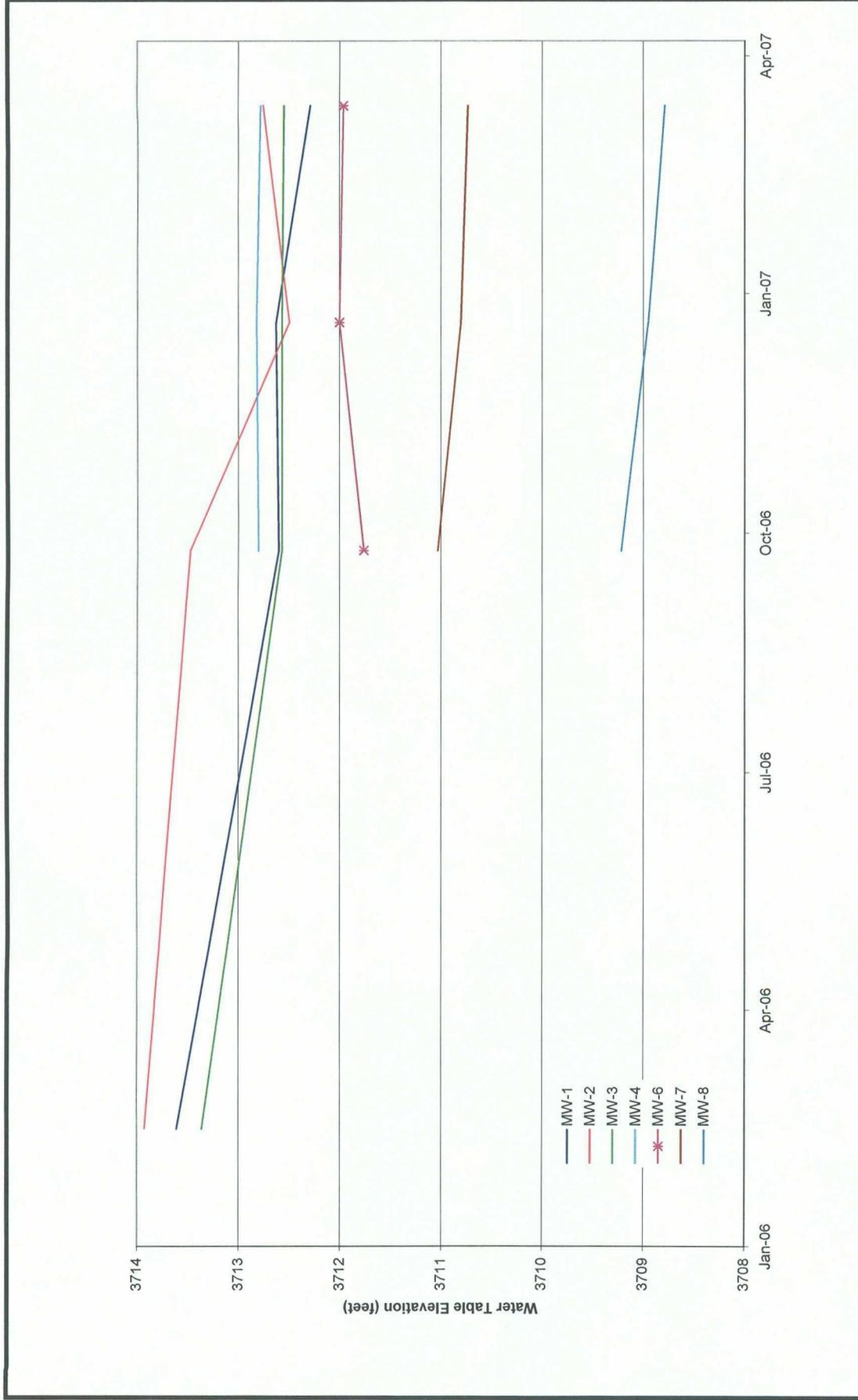


Figure 3 – Monitoring Well Hydrographs

1-4-2 Groundwater Monitoring



DRAWN BY: MHS

DATE: 5/07

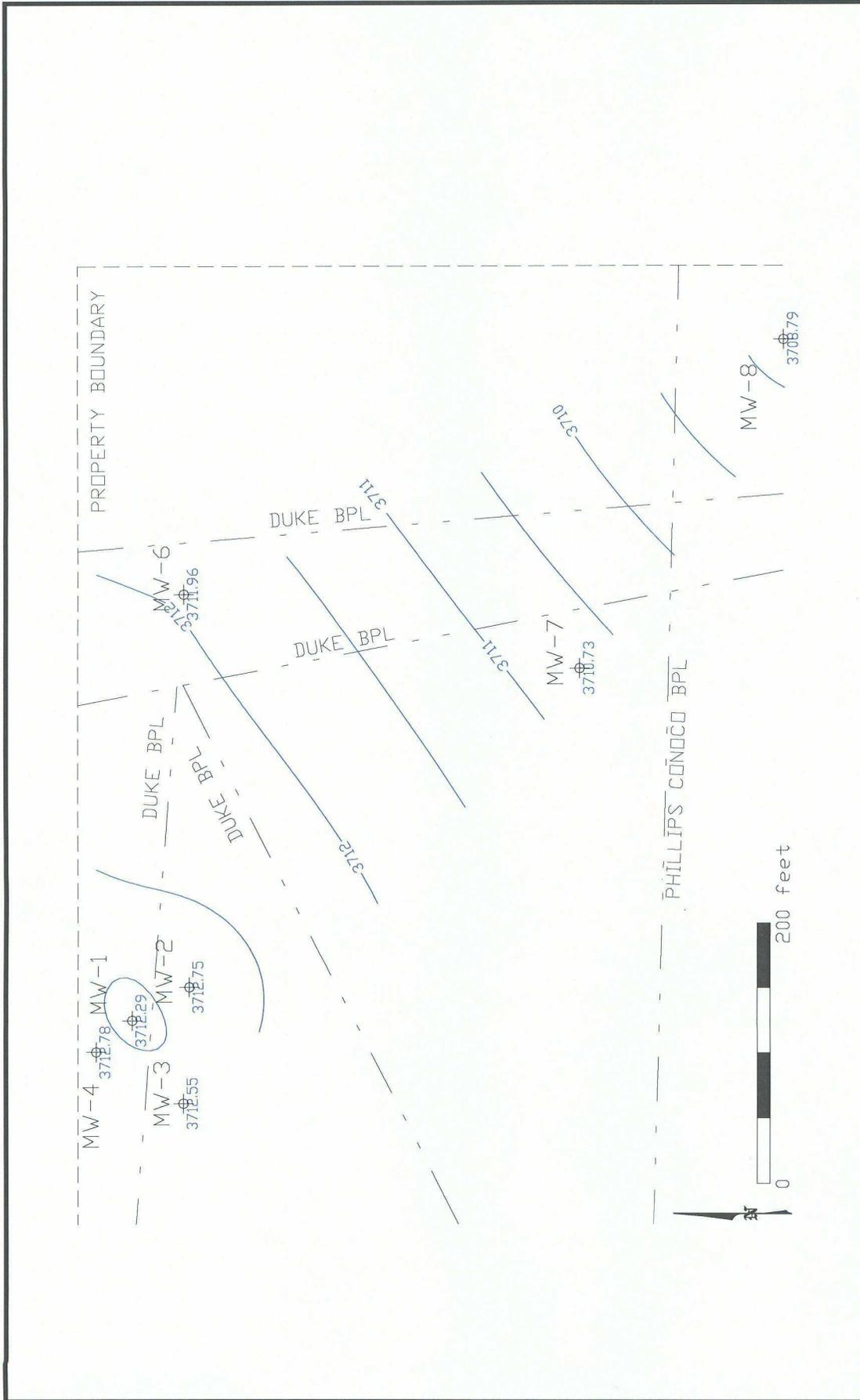


Figure 4 – March 2007 Water Table Contours

I-4-2 Groundwater Monitoring	
dcp Midstream.	DRAWN BY: MHS DATE: 5/07

Contour interval is 0.5 feet

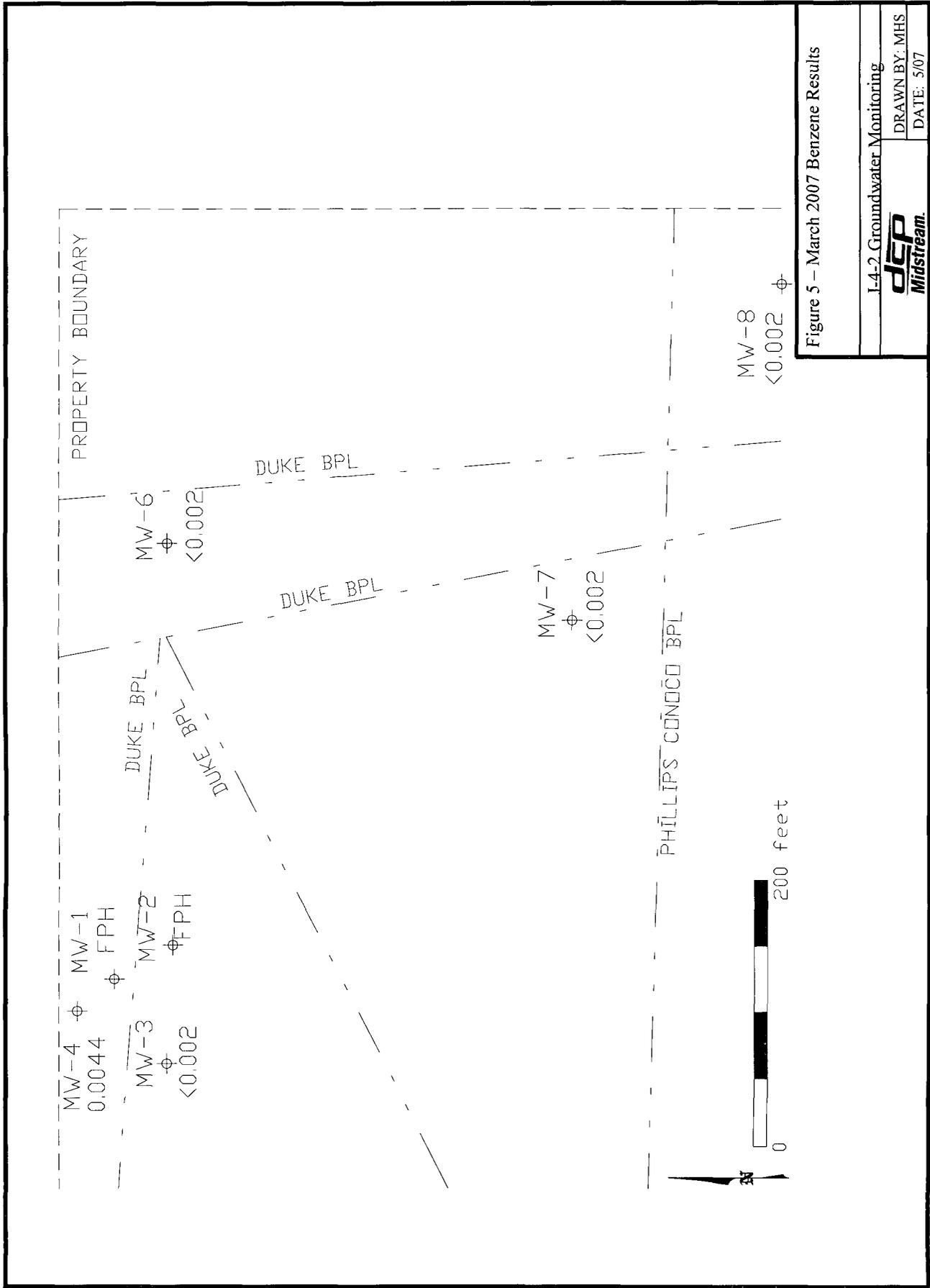


Figure 5 – March 2007 Benzene Results

I-4-2 Groundwater Monitoring

DRAWN BY: MHS

DATE: 5/07



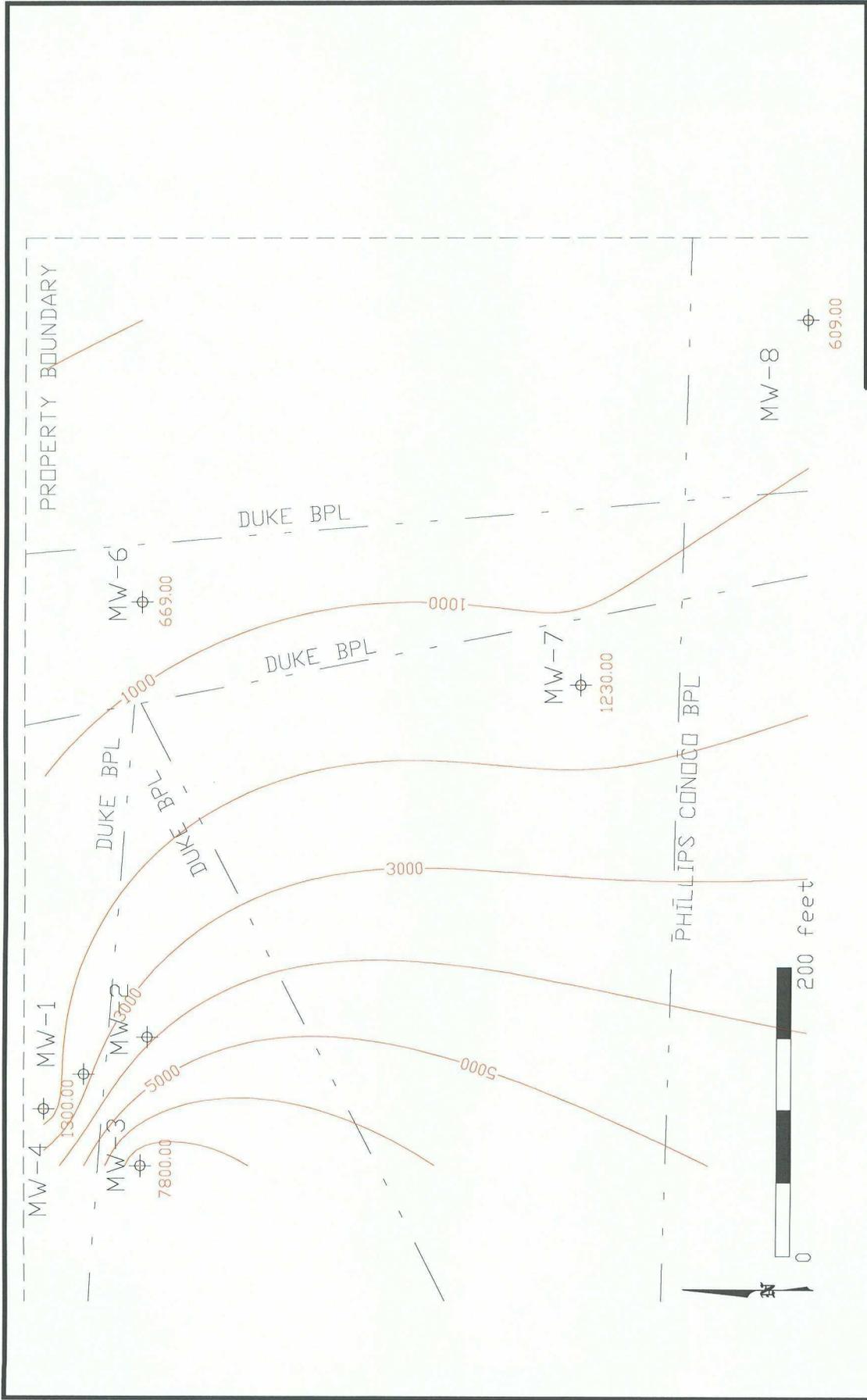


Figure 6 – March 2007 Chlorides Isopleths

J-4-2 Groundwater Monitoring	
dsep Midstream.	
DRAWN BY: MHS	DATE: 5/07

Isopleth interval is 0.005 mg/l

**GROUNDWATER SAMPLING NOTES
AND LABORATORY ANALYTICAL REPORT**

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-1
 SITE NAME: J42 DATE: 3/14/2007
 PROJECT NO. F-119 SAMPLER: J. Ferguson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 43.05 Feet

DEPTH TO WATER: 28.21 Feet

HEIGHT OF WATER COLUMN: 14.84 Feet

WELL DIAMETER: 2.0 Inch

7.3 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. m S/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
							Begin Hand Bailing
0:00 :Total Time (hr:min)		0 :Total Vol (gal)		#DIV/0! :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 070314
 ANALYSES: BTEX (8260), Major Ions, TDS
 COMMENTS: Did Not Purge & Sample Due to FPH in Monitoring Well!

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-2
 SITE NAME: J42 DATE: 3/14/2007
 PROJECT NO. F-119 SAMPLER: J. Fergerson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 43.30 Feet

DEPTH TO WATER: 27.94 Feet

HEIGHT OF WATER COLUMN: 15.36 Feet

WELL DIAMETER: 2.0 Inch

7.5 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
							Begin Hand Bailing
0:00 :Total Time (hr:min)			0 :Total Vol (gal)		#DIV/0! :Flow Rate (gal/min)		

SAMPLE NO.: Collected Sample No.: 070314

ANALYSES: BTEX (8260), Major Ions, TDS

COMMENTS: Did Not Purge & Sample Due to FPH in Monitoring Well!

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream
 SITE NAME: J42
 PROJECT NO. F-119

WELL ID: MW-3
 DATE: 3/14/2007
 SAMPLER: J. Ferguson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 43.00 Feet

DEPTH TO WATER: 26.84 Feet

HEIGHT OF WATER COLUMN: 16.16 Feet

WELL DIAMETER: 2.0 Inch

7.9 Minimum Gallons to
 purge 3 well volumes
 (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
9:50	0.0	-	-	-	-	-	Begin Hand Bailing
9:56	2.7	20.0	3.51	7.11	-	-	
10:02	5.4	20.0	>4.00	6.77	-	-	
10:08	8.1	20.0	>20.00	6.78	-	-	
0:18 :Total Time (hr:min)		8.1 :Total Vol (gal)		0.45 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 070314 0955
 ANALYSES: BTEX (8260), Major Ions, TDS
 COMMENTS: Collected Duplicate Sample No.: 0703141100 for BTEX (8260)

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-4
 SITE NAME: J42 DATE: 3/14/2007
 PROJECT NO. F-119 SAMPLER: J. Fergerson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 38.12 Feet

DEPTH TO WATER: 27.46 Feet

HEIGHT OF WATER COLUMN: 10.66 Feet

WELL DIAMETER: 2.0 Inch

5.2 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. m S/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
10:00	0.0	-	-	-	-	-	Begin Hand Bailing
10:02	2.0	20.0	4.39	7.04	-	-	
10:05	3.6	20.1	4.12	6.91	-	-	
10:08	5.6	20.0	4.20	7.03	-	-	
0:08 :Total Time (hr:min)		5.6 :Total Vol (gal)			0.70 :Flow Rate (gal/min)		

SAMPLE NO.: Collected Sample No.: 070314 1010

ANALYSES: BTEX (8260), Major Ions, TDS

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-6
 SITE NAME: J42 DATE: 3/14/2007
 PROJECT NO. F-119 SAMPLER: J. Ferguson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 38.32 Feet
 DEPTH TO WATER: 28.00 Feet
 HEIGHT OF WATER COLUMN: 10.32 Feet
 WELL DIAMETER: 2.0 Inch

5.1 Minimum Gallons to
 purge 3 well volumes
 (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
9:30	0.0	-	-	-	-	-	Begin Hand Bailing
9:32	2.0	19.6	1.91	7.15	-	-	
9:35	4.0	19.8	1.72	7.22	-	-	
9:38	6.0	19.8	1.69	7.14	-	-	
0:08 :Total Time (hr:min)		6 :Total Vol (gal)		0.75 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 070314 0945

ANALYSES: BTEX (8260), Major Ions, TDS

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-7
 SITE NAME: J42 DATE: 3/14/2007
 PROJECT NO. F-119 SAMPLER: J. Ferguson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 39.45 Feet

DEPTH TO WATER: 30.00 Feet

HEIGHT OF WATER COLUMN: 9.45 Feet

WELL DIAMETER: 2.0 Inch

4.6 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. m S/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
8:55	0.0	-	-	-	-	-	Begin Hand Bailing
8:59	2.0	19.6	3.21	7.11	-	-	
9:04	4.0	19.6	3.21	6.96	-	-	
9:08	6.0	19.5	3.21	7.13	-	-	
0:13	:Total Time (hr:min)		6	:Total Vol (gal)		0.46	:Flow Rate (gal/min)

SAMPLE NO.: Collected Sample No.: 070314 1540

ANALYSES: BTEX (8260), Major Ions, TDS

COMMENTS: Collected MS/MSD Samples!

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream WELL ID: MW-8
 SITE NAME: J42 DATE: 3/14/2007
 PROJECT NO. F-119 SAMPLER: J. Ferguson

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 38.32 Feet

DEPTH TO WATER: 28.53 Feet

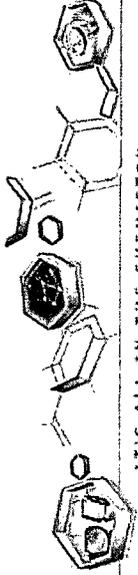
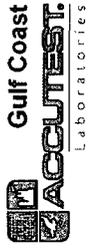
HEIGHT OF WATER COLUMN: 9.79 Feet

WELL DIAMETER: 4.0 Inch

19.2 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 1.96)

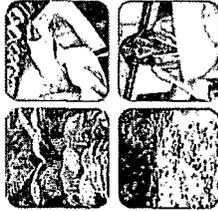
TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
8:38	0.0	-	-	-	-	-	Began Hand Bailing
8:42	2.0	19.1	1.84	7.22	-	-	
8:45	4.0	19.3	1.83	7.23	-	-	
8:48	6.0	19.4	1.83	7.16	-	-	
0:10 :Total Time (hr:min)		6 :Total Vol (gal)		0.60 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 070314 0850
 ANALYSES: BTEX (8260), Major Ions, TDS
 COMMENTS: Collected MS/MSD Samples!



IT'S ALL IN THE CHEMISTRY

05/14/07



Technical Report for

DCP Midstream, LLC
DEFS J4-2
Lea County, New Mexico
Accutest Job Number: T16723
Sampling Date: 03/14/07

Report to:

American Environmental Consulting
mstewart@aecdenver.com
ATTN: Mike Stewart

Total number of pages in report: 31



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.

Ron Martino
Ron Martino
Laboratory Manager



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Sample Summary

DCP Midstream, LLC
DEFS J-4-2
Project No: Lea County, New Mexico
Job No: T16723

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
T16723-1	03/14/07	08:50 JF	03/16/07	AQ	Ground Water	MW-8 (0703140850)
T16723-2	03/14/07	09:10 JF	03/16/07	AQ	Ground Water	MW-7 (0703140910)
T16723-2D	03/14/07	09:10 JF	03/16/07	AQ	Water Dup/MSD	MW-7 (0703140910)
T16723-2S	03/14/07	09:10 JF	03/16/07	AQ	Water Matrix Spike	MW-7 (0703140910)
T16723-3	03/14/07	09:45 JF	03/16/07	AQ	Ground Water	MW-6 (0703140945)
T16723-4	03/14/07	09:55 JF	03/16/07	AQ	Ground Water	MW-3 (0703140955)
T16723-5	03/14/07	10:10 JF	03/16/07	AQ	Ground Water	MW-4 (0703141010)
T16723-6	03/14/07	11:00 JF	03/16/07	AQ	Ground Water	DUPLICATE (0703141100)
T16723-7	03/14/07	00:00 JF	03/16/07	AQ	Trip Blank Water	TRIP BLANK



IT'S ALL IN THE CHEMISTRY

Section 2

2

Sample Results

Report of Analysis

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Report of Analysis

Page 1 of 1

Client Sample ID: MW-8 (0703140850)
 Lab Sample ID: T16723-1
 Matrix: AQ - Ground Water
 Method: SW846 8260B
 Project: DEFS J-4-2

Date Sampled: 03/14/07
 Date Received: 03/16/07
 Percent Solids: n/a

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y0011170.D	1	03/24/07	LJ	n/a	n/a	VY11175
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	0.00023	mg/l	
108-88-3	Toluene	ND	0.0020	0.00054	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00048	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0011	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
1868-53-7	Dibromofluoromethane	95%		73-139%		
17060-07-0	1,2-Dichloroethane-D4	88%		66-139%		
2037-26-5	Toluene-D8	107%		77-148%		
460-00-4	4-Bromofluorobenzene	114%		84-150%		

Report of Analysis

Client Sample ID:	MW-8 (0703140850)	Date Sampled:	03/14/07
Lab Sample ID:	T16723-1	Date Received:	03/16/07
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	DEFS J-4-2		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	609	20	mg/l	20	03/21/07 07:45	EB	EPA 325.3
Solids, Total Dissolved	467	10	mg/l	1	03/30/07	RM	EPA 160.1

Report of Analysis Page 1 of 1

Client Sample ID: MW-7 (0703140910)
 Lab Sample ID: T16723-2
 Matrix: AQ - Ground Water
 Method: SW846 8260B
 Project: DEFS J-4-2
 Date Sampled: 03/14/07
 Date Received: 03/16/07
 Percent Solids: n/a

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0127407.D	1	LJ	n/a	n/a	V/B1382
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	0.00023	mg/l	
108-88-3	Toluene	ND	0.0020	0.00054	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00048	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0011	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
1868-53-7	Dibromofluoromethane	100%		73-139%		
17060-07-0	1,2-Dichloroethane-D4	99%		66-139%		
2037-26-5	Toluene-D8	106%		77-148%		
460-00-4	4-Bromofluorobenzene	102%		84-150%		

Report of Analysis

Client Sample ID:	MW-7 (0703140910)	Date Sampled:	03/14/07
Lab Sample ID:	T16723-2	Date Received:	03/16/07
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	DEFS J-4-2		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	1230	50	mg/l	50	03/21/07 07:45	EB	EPA 325.3
Solids, Total Dissolved	3380	10	mg/l	1	03/30/07	RM	EPA 160.1

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Report of Analysis

Page 1 of 1

Client Sample ID: MW-6 (0703140945)
 Lab Sample ID: T16723-3
 Matrix: AQ - Ground Water
 Method: SW846 8260B
 Project: DEFS J-4-2

Date Sampled: 03/14/07
 Date Received: 03/16/07
 Percent Solids: n/a

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 Run #2	1	03/19/07	LJ	n/a	n/a	VBI382

Run #1	Run #2
Purge Volume	
5.0 ml	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
---------	----------	--------	----	-----	-------	---

71-43-2	Benzene	ND	0.0020	0.00023	mg/l	
108-88-3	Toluene	ND	0.0020	0.00054	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00048	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0011	mg/l	

CAS No.	Surr ogate Recoveries	Run# 1	Run# 2	Limits
---------	-----------------------	--------	--------	--------

1868-53-7	Dibromofluoromethane	98%		73-139%
17060-07-0	1,2-Dichloroethane-D4	96%		66-139%
2037-26-5	Toluene-D8	108%		77-148%
460-00-4	4-Bromofluorobenzene	111%		84-150%

Report of Analysis

Client Sample ID:	MW-6 (0703140945)	Date Sampled:	03/14/07
Lab Sample ID:	T16723-3	Date Received:	03/16/07
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	DEFS J-4-2		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	669	20	mg/l	20	03/21/07 07:45	EB	EPA 325.3
Solids, Total Dissolved	2040	10	mg/l	1	03/30/07	RM	EPA 160.1

Report of Analysis

Client Sample ID: MW-3 (0703140955)
 Lab Sample ID: T16723-4
 Matrix: AQ - Ground Water
 Method: SW846 8260B
 Project: DEFS J-4-2

Date Sampled: 03/14/07
 Date Received: 03/16/07
 Percent Solids: n/a

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0127411.D	1	LJ	n/a	n/a	VB1382
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	0.00023	mg/l	
108-88-3	Toluene	ND	0.0020	0.00054	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00048	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0011	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
1868-53-7	Dibromofluoromethane	94%		73-139%		
17060-07-0	1,2-Dichloroethane-D4	91%		66-139%		
2037-26-5	Toluene-D8	112%		77-148%		
460-00-4	4-Bromofluorobenzene	111%		84-150%		

Report of Analysis

Client Sample ID: MW-3 (0703140955)
 Lab Sample ID: T16723-4
 Matrix: AQ - Ground Water
 Project: DEFS J-4-2
 Date Sampled: 03/14/07
 Date Received: 03/16/07
 Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	7800	200	mg/l	200	03/21/07 07:45	EB	EPA 325.3
Solids, Total Dissolved	16800	10	mg/l	1	03/30/07	RM	EPA 160.1

Report of Analysis

Client Sample ID: MW-4 (0703141010)
 Lab Sample ID: T16723-5
 Matrix: AQ - Ground Water
 Method: SW846 8260B
 Project: DEFS J-4-2

Date Sampled: 03/14/07
 Date Received: 03/16/07
 Percent Solids: n/a

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0127412.D	1	03/19/07	LJ	n/a	n/a	VBI382
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	0.0044	0.0020	0.00023	mg/l	
108-88-3	Toluene	0.00060	0.0020	0.00054	mg/l	J
100-41-4	Ethylbenzene	ND	0.0020	0.00048	mg/l	
1330-20-7	Xylene (total)	0.0032	0.0060	0.0011	mg/l	J
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
1868-53-7	Dibromofluoromethane	91%		73-139%		
17060-07-0	1,2-Dichloroethane-D4	80%		66-139%		
2037-26-5	Toluene-D8	103%		77-148%		
460-00-4	4-Bromofluorobenzene	114%		84-150%		

2.5

2

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Report of Analysis

Page 1 of 1

Client Sample ID:	MW-4 (0703141010)	Date Sampled:	03/14/07
Lab Sample ID:	T16723-5	Date Received:	03/16/07
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	DEFS J-4-2		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	1300	50	mg/l	50	03/21/07 07:45	EB	EPA 325.3
Solids, Total Dissolved	2940	10	mg/l	1	03/30/07	RM	EPA 160.1

Report of Analysis

Client Sample ID: DUPLICATE (0703141100)
 Lab Sample ID: T16723-6
 Matrix: AQ - Ground Water
 Method: SW846 8260B
 Project: DEFS J-4-2
 Date Sampled: 03/14/07
 Date Received: 03/16/07
 Percent Solids: n/a

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 Y0011171.D	1	03/24/07	LJ	n/a	n/a	VY11175
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	0.00023	mg/l	
108-88-3	Toluene	ND	0.0020	0.00054	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00048	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0011	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
1868-53-7	Dibromofluoromethane	104%		73-139%		
17060-07-0	1,2-Dichloroethane-D4	94%		66-139%		
2037-26-5	Toluene-D8	114%		77-148%		
460-00-4	4-Bromofluorobenzene	127%		84-150%		

Report of Analysis

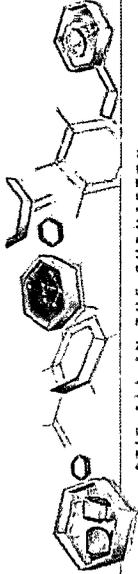
Client Sample ID: TRIP BLANK
 Lab Sample ID: T16723-7
 Matrix: AQ - Trip Blank Water
 Method: SW846 8260B
 Project: DEFS J-4-2
 Date Sampled: 03/14/07
 Date Received: 03/16/07
 Percent Solids: n/a

File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0127401.D	03/19/07	LJ	n/a	n/a	VB1382
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	0.00023	mg/l	
108-88-3	Toluene	ND	0.0020	0.00054	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00048	mg/l	
1330-20-7	Xylene (total)	ND	0.0060	0.0011	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
1868-53-7	Dibromofluoromethane	98%		73-139%		
17060-07-0	1,2-Dichloroethane-D4	102%		66-139%		
2037-26-5	Toluene-D8	104%		77-148%		
460-00-4	4-Bromofluorobenzene	97%		84-150%		



Section 3

3

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST VARIANCE MEMO SAMPLE LOG-IN		SAMPLE(S) # <u>U. Duplicate</u> PROJECT <u>MR Midstream</u> FILED BY _____ LAB NO. <u>T16723</u> DATE <u>3/20/07</u>												
VARIANCE - Check applicable items(s): <input type="checkbox"/> Insufficient sample sent for proper analysis; received approx. _____ <input type="checkbox"/> Sample bottle received broken and/or cap not intact. <input type="checkbox"/> Samples received without paperwork; paperwork received without samples. <input type="checkbox"/> Samples received without proper refrigeration, when it has been deemed necessary. Temperature at receipt: _____ <input type="checkbox"/> Illegible sample number or label missing from bottle. <input type="checkbox"/> Numbers on sample not the same as numbers on paper work. <input type="checkbox"/> Incomplete instructions received with sample(s) i.e., no request for analysis, no chain of custody, incomplete billing instructions, no due date, etc. Temperature at receipt: _____ <input type="checkbox"/> Samples received in improper container or lacking proper preservation. <input type="checkbox"/> Physical characteristics different than those on sampling sheets. <input type="checkbox"/> Describe: _____ <input type="checkbox"/> Rush samples on hold because of incomplete paperwork. <input type="checkbox"/> Other (specify) <u>There were only 3 vials rec'd. for this sample. There was no unprocessed container.</u>														
CORRECTIVE ACTION TAKEN Person Contacted <u>Miss Good</u> Client informed verbally. Client informed by memo/letter. <u>None</u> Samples processed for information only and noted on report. Samples processed as is. Samples preserved by lab. Client will resample and resubmit. _____ Notes: _____ Samples processed with higher detection limits accepted. _____ Samples rejected. _____														
ROUTING <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>TITLE</th> <th>DATE</th> <th>INITIALS</th> <th>CORRECTED?</th> </tr> </thead> <tbody> <tr> <td>Sample Manager:</td> <td>3-21-07</td> <td>(Signature)</td> <td></td> </tr> <tr> <td>Project Manager:</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			TITLE	DATE	INITIALS	CORRECTED?	Sample Manager:	3-21-07	(Signature)		Project Manager:			
TITLE	DATE	INITIALS	CORRECTED?											
Sample Manager:	3-21-07	(Signature)												
Project Manager:														
Comments: _____ Form 58006														

3.1

3

COOLER TEMP: 2.6
COOLER TEMP:
COOLER TEMP:
Form: SM012, Rev. 07/29/06, OAO

Delivery method: Courier: FE

pH of soils: N/A

pH of waters checked excluding volatiles

Comments:
PRESERVATIVES: 1: None 2: HCL 3: HNOS 4: H2SO4 5: MAOH 6: Other

LOCATION: VI: Walk-in VR: Volatile Rating SUB: Subcontract EF: Encore Freezer

SAMPLE or FIELD ID	BOTTLE #	DATE SAMPLED	MATRIX	VOLUME	LOCATION	PRESERV.	pH
1B-6	1-3	3/14	AA	40mL	VEFF	1.2,3,4,5,6	U, <, >, >12, NA
1.3-5	4		PSD	2CC	VEFF	1.2,3,4,5,6	U, <, >, >12, NA
2	1-9		40mL	VEFF	1.2,3,4,5,6	U, <, >, >12, NA	
2	10		PSD	2CC	VEFF	1.2,3,4,5,6	U, <, >, >12, NA
(4b) 7	1-2		N/A	40mL	VEFF	1.2,3,4,5,6	U, <, >, >12, NA
						1.2,3,4,5,6	U, <, >, >12, NA
						1.2,3,4,5,6	U, <, >, >12, NA
						1.2,3,4,5,6	U, <, >, >12, NA
						1.2,3,4,5,6	U, <, >, >12, NA
						1.2,3,4,5,6	U, <, >, >12, NA
						1.2,3,4,5,6	U, <, >, >12, NA
						1.2,3,4,5,6	U, <, >, >12, NA
						1.2,3,4,5,6	U, <, >, >12, NA
						1.2,3,4,5,6	U, <, >, >12, NA
						1.2,3,4,5,6	U, <, >, >12, NA
						1.2,3,4,5,6	U, <, >, >12, NA
						1.2,3,4,5,6	U, <, >, >12, NA
						1.2,3,4,5,6	U, <, >, >12, NA

OVER 3/16/07

- 1. Sample received in undamaged condition.
- 2. Sample received within temp. range.
- 3. Sample received with proper pH.
- 4. Sample received in proper containers.
- 5. Sample volume sufficient for analysis.
- 6. Sample received with chain of custody.
- 7. Chain of Custody matches sample IDs and analysis on containers.
- 8. Samples Headspace acceptable.
- 9. NA Custody seal received intact and tamper not evident on cooler.
- 10. Y N (NA) Custody seal received intact and tamper not evident on bottles.

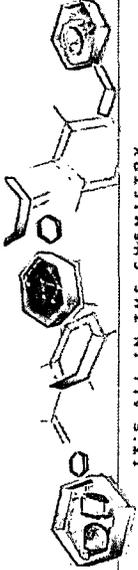
CLIENT: American Env. Consulting
INITIALS: AR

DATE/TIME RECEIVED: 2/16/07 9:30

JOB #: T16723



SAMPLE RECEIPT LOG



IT'S ALL IN THE CHEMISTRY

Section 4

4

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

Page 1 of 1

Job Number: T16723
Account: DUKE DCP Midstream, LLC
Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1382-MB	B0127399.D	1	03/19/07	LJ	n/a	n/a	VB1382

4.1

4

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

T16723-2, T16723-3, T16723-4, T16723-5, T16723-7

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.48	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	73-139%
17060-07-0	1,2-Dichloroethane-D4	66-139%
2037-26-5	Toluene-D8	77-148%
460-00-4	4-Bromofluorobenzene	84-150%

Method Blank Summary

Job Number: T16723
Account: DUKE DCP Midstream, LLC
Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY1175-MB	Y0011168.D	1	03/24/07	LJ	n/a	n/a	VY1175

4.1

4

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

T16723-1, T16723-6

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.48	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	73-139%
17060-07-0	1,2-Dichloroethane-D4	66-139%
2037-26-5	Toluene-D8	77-148%
460-00-4	4-Bromofluorobenzene	84-150%

Blank Spike Summary

Job Number: T16723
Account: DUKE DCP Midstream, LLC
Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1382-BS	B0127398.D	1	03/19/07	LJ	n/a	n/a	VB1382

4.2

4

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

T16723-2, T16723-3, T16723-4, T16723-5, T16723-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	23.9	96	67-118
100-41-4	Ethylbenzene	25	24.7	99	71-119
108-88-3	Toluene	25	25.1	100	70-121
1330-20-7	Xylene (total)	75	71.3	95	72-120

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	73-139%
17060-07-0	1,2-Dichloroethane-D4	98%	66-139%
2037-26-5	Toluene-D8	102%	77-148%
460-00-4	4-Bromofluorobenzene	101%	84-150%

Blank Spike Summary

Job Number: T16723
Account: DUKE DCP Midstream, LLC
Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY1175-BS	Y0011167.D	1	03/24/07	LJ	n/a	n/a	VY1175

4.2 **4**

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

T16723-1, T16723-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	23.7	95	67-118
100-41-4	Ethylbenzene	25	26.6	106	71-119
108-88-3	Toluene	25	25.8	103	70-121
1330-20-7	Xylene (total)	75	71.9	96	72-120

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	107%	73-139%
17060-07-0	1,2-Dichloroethane-D4	99%	66-139%
2037-26-5	Toluene-D8	114%	77-148%
460-00-4	4-Bromofluorobenzene	120%	84-150%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T16723
 Account: DUKE DCP Midstream, LLC
 Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T16723-2MS	B0127408.D 1		03/19/07	LJ	n/a	n/a	VB1382
T16723-2MSD	B0127409.D 1		03/19/07	LJ	n/a	n/a	VB1382
T16723-2	B0127407.D 1		03/19/07	LJ	n/a	n/a	VB1382

4.3 **4**

Method: SW846 8260B

The QC reported here applies to the following samples:

T16723-2, T16723-3, T16723-4, T16723-5, T16723-7

CAS No.	Compound	T16723-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	22.9	92	23.2	93	1	65-122/15
100-41-4	Ethylbenzene	ND		25	22.0	88	24.7	99	12	70-123/18
108-88-3	Toluene	ND		25	28.0	112	25.3	101	10	70-123/18
1330-20-7	Xylene (total)	ND		75	70.4	94	71.9	96	2	71-122/16

CAS No.	Surrrogate Recoveries	MS	MSD	T16723-2	Limits
1868-53-7	Dibromofluoromethane	99%	98%	100%	73-139%
17060-07-0	1,2-Dichloroethane-D4	95%	98%	99%	66-139%
2037-26-5	Toluene-D8	124%	115%	106%	77-148%
460-00-4	4-Bromofluorobenzene	104%	102%	102%	84-150%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T16723

Account: DUKE DCP Midstream, LLC

Project: DEFS J-4-2

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T16649-7MS	Y0011176.D 1		03/24/07	LJ	n/a	n/a	VY1175
T16649-7MSD	Y0011177.D 1		03/24/07	LJ	n/a	n/a	VY1175
T16649-7	Y0011175.D 1		03/24/07	LJ	n/a	n/a	VY1175

4.3

4

The QC reported here applies to the following samples:

Method: SW846 8260B

T16723-1, T16723-6

CAS No.	Compound	T16649-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	23.7	95	24.5	98	3	65-122/15
100-41-4	Ethylbenzene	ND		25	24.8	99	25.7	103	4	70-123/18
108-88-3	Toluene	ND		25	24.0	96	24.8	99	3	70-123/18
1330-20-7	Xylene (total)	ND		75	70.4	94	70.8	94	1	71-122/16

CAS No.	Surrogate Recoveries	MS	MSD	T16649-7	Limits
1868-53-7	Dibromofluoromethane	98%	103%	103%	73-139%
17060-07-0	1,2-Dichloroethane-D4	88%	90%	88%	66-139%
2037-26-5	Toluene-D8	107%	110%	108%	77-148%
460-00-4	4-Bromofluorobenzene	108%	110%	125%	84-150%



General Chemistry

5

QC Data Summaries

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
 GENERAL CHEMISTRY

Login Number: T16723
 Account: DUKE - DCP Midstream, LLC
 Project: DEFS J-4-2

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride Solids, Total Dissolved	GNI1467	1.0	<1.0	mg/l	1000	994	99.0	92-107*
	GNI1464	10	<10	mg/l				

5.1

5

Associated Samples:
 Batch GNI1464: T16723-1, T16723-2, T16723-3, T16723-4, T16723-5
 Batch GNI1467: T16723-1, T16723-2, T16723-3, T16723-4, T16723-5
 (*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T16723
Account: DUKE - DCF Midstream, LLC
Project: DEFS J-4-2

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chloride Solids, Total Dissolved	GN11467	T16723-2	mg/l	1230	1230	0.0	0-5*
	GN11464	T16723-2	mg/l	3380	3540	4.7	0-15*

Associated Samples:
Batch GN11464: T16723-1, T16723-2, T16723-3, T16723-4, T16723-5
Batch GN11467: T16723-1, T16723-2, T16723-3, T16723-4, T16723-5
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T16723
Account: DUKE - DCP Midstream, LLC
Project: DEFS J-4-2

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	#Rec	QC Limits
Chloride	GNI1467	T16723-2	mg/l	1230	500	1750	103.0	81-119%

5.3



Associated Samples:
Batch GNI1467: T16723-1, T16723-2, T16723-3, T16723-4, T16723-5
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits



370 17th Street, Suite 2500
Denver, Colorado 80202
303-595-3331 – main
303-605-1957 – fax

September 8, 2006

Mr. Ben Stone
Environmental Bureau
New Mexico Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

**RE: DEFS 2nd Quarter 2006 Groundwater Monitoring Summary Report
X-Line Pipeline Release (Etcheverry Ranch Lea County, NM)
Unit B, Section 7, T15S, R34E (Lat 33° 02' 11", Long 103° 32' 48")**

Dear Mr. Stone:

Duke Energy Field Services, LP (DEFS) is pleased to submit for your review, an electronic copy of the 2nd Quarter 2006 Groundwater Monitoring Results for the DEFS X-Line Pipeline Release Site located within the Etcheverry Ranch, Lea County, New Mexico.

If you have any questions regarding the report, please call me at 303-605-1718.

Sincerely

Duke Energy Field Services, LP

A handwritten signature in black ink, appearing to read 'Stephen Weathers', followed by a horizontal line.

Stephen Weathers, PG
Sr. Environmental Specialist

cc: Larry Johnson, OCD Hobbs District Office
Lynn Ward, DEFS Midland Office
Mrs. Etcheverry – Certified Mail 91 7108 2133 3931 3926 3259
Environmental Files

August 31, 2006

Mr. Stephen Weathers
Duke Energy Field Services, LP
370 Seventeenth Street, Suite 2500
Denver, Colorado 80202

Re: Second Quarter 2006 Groundwater Monitoring Summary at the X-Line Pipeline
Release, Etcheverry Ranch, Lea County, New Mexico
Unit B, Section 7, Township 15 South, Range 34 East

Dear Mr. Weathers:

This letter summarizes the results of the second quarter 2006 groundwater monitoring activities completed June 26, 2006 for Duke Energy Field Services, LP (DEFS) at the X-Line Pipeline Release on the Etcheverry Ranch at latitude 33 degrees 02 minutes 11 seconds, longitude 103 degrees 32 minutes 48 seconds (Figure 1).

Seven groundwater-monitoring wells, MW-1 through MW-7, were sampled at the site. The well locations are shown on Figure 2. Monitoring well construction information is summarized in Table 1. An eighth well, MW-8, was not sampled because 0.03 feet of free phase hydrocarbons (FPH) were measured.

The depths to water were measured in each well first. This data was used to calculate the casing-volume storage in each well.

The wells were then purged and sampled using disposable bailers. Well purging consisted of removing a minimum of three casing volumes of water and then continuing bailing until the field parameters temperature, pH and conductivity stabilized. The field sampling forms are attached.

Unfiltered samples were collected from each well upon stabilization. Each sample was analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX). A field duplicate was collected from well MW-3. A matrix spike/matrix spike duplicate was also collected from MW-4. The laboratory also provided a trip blank as the final quality assurance/quality control measure.

The samples were placed in an ice-filled chest immediately upon collection and documented using standard chain-of-custody protocol. The samples were delivered directly to the analytical laboratory Environmental Labs of Texas in Midland Texas. All affected development and purge water was disposed of at the DEFS Linam Ranch facility.

The groundwater elevation measurements for all sampling episodes are summarized in Table 2. Hydrographs for wells MW-1 through MW-7 are shown on Figure 3. Well MW-8 is not included because its casing elevation is not established.

Figure 3 shows that the water-table elevations have remained essentially constant in all seven wells between June 2005 and June 2006. A water-table contour map based upon the March 2006 measurements was generated using the Surfer program with a kriging option (Figure 4). The water-table configuration reflects the historical conditions because of the unchanging groundwater elevations.

The FPH values measured in MW-8 during the monitoring program are summarized in Table 3. Only 0.03 feet of FPH was measured on June 2006 after the soil vapor extraction (SVE) system had been down for approximately two days to provide sufficient time for rebound. The SVE system was restarted following completion of the sampling episode.

Table 4 summarizes the June 2006 sampling results. None of the BTEX constituents were detected above the method reporting limits. Benzene, toluene and xylenes were measured below the method limits so the concentrations are considered estimates. The June 2006 benzene distribution is shown on Figure 5. A copy of the laboratory report is attached.

The quality assurance/quality control evaluation is summarized on Table 5. Important facts include:

1. The sample temperature was measured at 2.5° C upon receipt by the laboratory
2. There were no BTEX constituents detected in the trip blank.
3. All of the surrogate spikes fell within their respective control ranges.
4. The duplicate samples from MW-3 could not be evaluated because the measured concentrations in both samples were below the method reporting limits.
5. The matrix spike and the matrix spike duplicate results contained in the attached laboratory report were all within the acceptable range for all four BTEX constituents.

The above results establish that the samples are suitable for their intended uses.

All of the historical data for benzene, toluene, ethylbenzene and total xylenes is summarized in Tables 6, 7, 8, and 9 respectively. Important facts resulting from the evaluation of the data include:

- None of the seven monitoring wells contained benzene above the 0.001 mg/l method reporting limit. This is the sixth consecutive sampling episode for MW-2 and the fourth consecutive sampling episode for MW-3 where they met this condition. Figure 6 graphs their attenuation histories.
- FPH was measured at a trace (0.03 foot) thickness in MW-8.

Mr. Stephen Weathers
August 31, 2006
Page 3

- Eight consecutive monitoring episodes (2 years) have elapsed since benzene was measured above the 0.010 mg/l New Mexico Water Quality Control Commission groundwater standard in wells MW-1 through MW-7 (Figure 6). Benzene was measured in MW-2 at 0.0103 mg/l or 0.0003 mg/l above the standard in October 2004 (Table 6).
- Toluene, ethylbenzene and xylenes were not measured above the method reporting limit in any of the seven monitoring wells for the third consecutive episode.

AEC recommends that soil vapor extraction operation should continue at a 6-hour-per-day frequency until the next monitoring episode.

The next monitoring episode is scheduled for September 2006. AEC recommends that the SVE system be shut down approximately one week prior to sampling to allow sufficient time for FPH recovery and any potential dissolved phase rebound. The air sparge system remains operational but will not be used unless warranted.

Thank you for allowing me to complete these activities. Do not hesitate to contact me if you have any questions or comments on this report.

Respectfully Submitted,
AMERICAN ENVIRONMENTAL CONSULTING, LLC

Michael H. Stewart

Michael H. Stewart, P.E.
Principal Engineer

MHS:tbm

TABLES

Table 1 – Monitoring Well Completions

Well	Date Installed	Well Depth	Completion Interval	Top of Sand
MW-1	3/02	91	71-91	68
MW-2	3/02	88	68-88	62
MW-3	3/02	91	71-91	61
MW-4	4/02	91	71-91	68
MW-5	4/02	89	69-89	56
MW-6	4/02	90	70-90	68
MW-7	5/02	85	65-85	59

Notes: Units are Feet

Hydrocarbon extraction well (MW-8) completed between approximately 80 and 100 feet

Table 2- Measured Water Table Elevations

Well	5/1/02	9/6/02	4/28/03	6/19/03	7/17/03	8/20/03	9/22/03	10/29/03	11/20/03	2/18/04	6/25/04	10/18/04	12/09/04	3/3/05
MW-1	4,088.54	4088.53	4,088.55	4,088.55	4,088.52	4,088.54	4,088.53	4,088.60	4,088.59	4,089.19	4,089.12	4,089.22	4,089.18	4,089.34
MW-2	4,089.02	4089.03	4,089.05	4,089.07	4,089.04	4,089.09	4,089.06	4,089.11	4,089.13	4,088.90	4,089.03	4,089.06	4,089.03	4,089.68
MW-3	4,088.83	4088.86	4,088.86	4,088.85	4,088.82	4,088.87	4,088.84	4,088.90	4,088.95	4,088.82	4,088.81	4,088.84	4,088.82	4,089.24
MW-4	4,088.63	4088.73	4,088.73	4,088.73	4,088.70	4,088.72	4,088.71	4,088.78	4,088.78	4,088.74	4,088.70	4,088.73	4,088.71	4,088.79
MW-5	4,088.60	4088.68	4,088.67	4,088.65	4,088.63	4,088.66	4,088.65	4,088.70	4,088.70	4,088.65	4,088.60	4,088.63	4,088.62	4,088.73
MW-6	4,088.69	4088.71	4,088.70	4,088.69	4,088.66	4,088.70	4,088.68	4,088.74	4,088.74	4,088.69	4,088.66	4,088.71	4,088.68	4,088.83
MW-7	----	----	----	4,088.04	4,088.01	4,088.04	4,088.03	4,088.08	4,088.08	4,087.66	4,087.63	4,087.68	4,087.65	4,087.78

Well	6/3/05	9/28/05	12/12/05	3/1/06	6/26/06
MW-1	4,089.26	4,089.25	4,089.23	4,089.23	4,089.22
MW-2	4,089.10	4,089.10	4,089.07	4,089.08	4,089.05
MW-3	4,088.91	4,088.89	4,088.88	4,088.88	4,088.85
MW-4	4,088.79	4,088.77	4,088.76	4,088.75	4,088.73
MW-5	4,088.68	4,088.67	4,088.66	4,088.66	4,088.63
MW-6	4,088.75	4,088.74	4,088.73	4,088.72	4,088.70
MW-7	4,087.71	4,087.70	4,087.70	4,087.70	4,087.67

Units are feet

Table 3 – Summary of Product Thickness in MW-8

Measurement Date	Product Thickness
09/06/02	5.20
04/28/03	5.65
06/19/03	4.01
07/17/03	3.93
09/22/03	3.42
10/29/03	1.42
11/20/03	0.79
02/18/04	FPH
06/25/04	0.03
10/18/04	3.26 ¹
12/09/04	2.71 ¹
03/03/05	0.00
06/03/05	0.12
09/28/05	1.01
12/12/05	0.00
3/1/06	0.04
6/26/06	0.03

- Notes: 1) Soil vapor extraction system running at 37 inches of water vacuum but product recovery system not operating.
2) FPH recovery system running so value does not represent equilibrated condition
3) Units are feet

Table 4 – June 26, 2006 Groundwater Monitoring Results

Well	Benzene	Toluene	Ethyl Benzene	Total Xylenes
MW-1	<0.001	<0.001	<0.001	<0.001
MW-2	0.000641J	0.00114	<0.001	0.00125J
MW-3	<0.001	<0.001	<0.001	<0.001
MW-3 (duplicate)	<0.001	<0.001	<0.001	<0.001
MW-4	<0.001	<0.001	<0.001	<0.001
MW-5	<0.001	<0.001	<0.001	<0.001
MW-6	<0.001	<0.001	<0.001	<0.001
MW-7	<0.001	<0.001	<0.001	<0.001
MW-8	FPH	FPH	FPH	FPH
Trip blank	<0.001	<0.001	<0.001	<0.001

Notes: Units are mg/l

J modifier is for estimated values whose measured concentrations fall between the method detection limit and the method reporting limit.

Table 5 –June 26, 2006 Quality Assurance and Quality Control Results

Field Duplicate Relative Percentage Difference Values for MW-3

	Benzene	Toluene	Ethyl Benzene	Xylenes p,m/o
RPD (%)	NA	NA	NA	NA

NA: Calculation could not be completed because constituent was not detected above method reporting limits..

MW-4 Matrix Spike/Matrix Spike Duplicate Results

	Benzene	Toluene	Ethyl Benzene	Xylenes p,m	Xylenes o
Matrix Spike	111	109	103	112	110
Matrix Spike Duplicate	111	110	102	114	113

Note: Units are percent recovered

Table 6 – Summary of Laboratory Data for Benzene

Well	4/24/02	5/21/02	4/28/03	6/19/03	7/17/03	8/20/03	9/22/03	10/29/03	11/20/03	2/18/04	6/25/04	10/18/04	12/9/04	3/3/05	6/3/05	9/28/05	12/12/05
MW-1	<0.002	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-2	0.0255	0.145	0.182	0.074	0.155	0.024	0.022	0.001	0.013	<0.001	0.00156	0.0103	0.00342	<0.001	<0.001	<0.001	<0.001
MW-3	0.061	0.176	0.099	0.047	0.063	0.017	0.049	0.044	0.048	0.0280	0.0173	.00584	0.006137	0.00167	0.00332	<0.001	<0.001
MW-4	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-5	<0.002	<0.002	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-6	<0.002	0.002	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-7	---	---	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-8	---	---	FPH	FPH	FPH	FPH	FPH	FPH	FPH	FPH	FPH	FPH	FPH	NS	FPH	FPH	0.561

Well	3/1/06	6/26/06
MW-1	<0.001	<0.001
MW-2	<0.001	0.000641J
MW-3	<0.001	<0.001
MW-4	<0.001	<0.001
MW-5	<0.001	<0.001
MW-6	<0.001	<0.001
MW-7	<0.001	<0.001
MW-8	FPH	FPH

Notes: Units are mg/l.
 Duplicate sample results were averaged together
 Indicators for estimated (J) values not shown
 FPH: Free phase hydrocarbons present, no sample collected

Table 7 – Summary of Laboratory Data Toluene

Well	4/24/02	5/21/02	4/28/03	6/19/03	7/17/03	8/20/03	9/22/03	10/29/03	11/20/03	2/18/04	6/25/04	10/18/04	12/9/04	3/3/05	6/3/05	9/28/05	12/12/05
MW-1	<0.002	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-2	0.107	0.833	0.092	0.066	0.15	0.092	0.051	0.004	0.017	0.00652	0.00108	0.00648	0.00206	<0.001	<0.001	<0.001	<0.001
MW-3	<0.002	0.004	0.005	<0.001	0.002	<0.001	<0.001	<0.001	0.003	<0.001	0.000158	<0.001	<0.001	<0.001	<0.001	0.000482	<0.001
MW-4	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-5	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-6	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-7	---	---	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-8	---	---	FPH	FPH	FPH	FPH	FPH	FPH	FPH	FPH	FPH	FPH	FPH	NS	FPH	FPH	2.98

Well	3/1/06	6/26/06
MW-1	<0.001	<0.001
MW-2	<0.001	0.00114
MW-3	<0.001	<0.001
MW-4	<0.001	<0.001
MW-5	<0.001	<0.001
MW-6	<0.001	<0.001
MW-7	<0.001	<0.001
MW-8	FPH	FPH

Notes: Units are mg/l.
 Duplicate sample results were averaged together
 Indicators for estimated (J) values not shown
 FPH: Free phase hydrocarbons present, no sample collected

Table 8 – Summary of Laboratory Data Ethylbenzene

Well	4/24/02	5/21/02	4/28/03	6/19/03	7/17/03	8/20/03	9/22/03	10/29/03	11/20/03	2/18/04	6/25/04	10/18/04	12/9/04	3/3/05	6/3/05	9/28/05	12/12/05
MW-1	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-2	0.013	0.062	0.121	0.069	0.112	0.012	0.012	0.002	0.005	0.00301	0.0005	0.00336	0.00122	<0.001	<0.001	<0.001	<0.001
MW-3	0.023	0.023	0.03	0.02	0.023	0.006	0.02	0.018	0.017	0.0138	0.0136	0.00692	0.00884	0.00167	0.00574	0.00101	<0.001
MW-4	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-5	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-6	0.004	0.002	0.002	<0.001	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-7	---	---	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-8	---	---	FPH	FPH	FPH	FPH	FPH	FPH	FPH	FPH	FPH	FPH	FPH	NS	FPH	FPH	0.928

Well	3/1/06	6/26/06
MW-1	<0.001	<0.001
MW-2	<0.001	<0.001
MW-3	<0.001	<0.001
MW-4	<0.001	<0.001
MW-5	<0.001	<0.001
MW-6	<0.001	<0.001
MW-7	<0.001	<0.001
MW-8	FPH	FPH

Notes:

Units are mg/l.

Duplicate sample results were averaged together

Indicators for estimated (J) values not shown

FPH: Free phase hydrocarbons present, no sample collected

Table 9 – Summary of Laboratory Data (continued)

Well	4/24/02	5/21/02	4/28/03	6/19/03	7/17/03	8/20/03	9/22/03	10/29/03	11/20/03	2/18/04	6/25/04	10/18/04	12/9/04	3/3/05	6/3/05	9/28/05	12/12/05
MW-1	<0.006	<0.006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0514	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-2	0.38	1.27	0.133	0.103	0.186	0.179	0.079	0.017	0.034	0.00067	0.00106	0.0052	<0.001	<0.001	<0.001	<0.001	<0.001
MW-3	0.189	0.451	0.039	0.006	0.007	0.001	0.001	0.001	0.004	<0.001	0.000118	0.0015	<0.001	0.00044	0.00173	0.000997	<0.001
MW-4	<0.006	<0.006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-5	0.011	<0.006	0.003	0.003	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-6	0.123	0.047	0.01	<0.001	0.004	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-7	---	---	<0.001	<0.001	<0.001	<0.001	<0.001	0.006	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW-8	---	---	FPH	FPH	FPH	FPH	FPH	FPH	FPH	FPH	FPH	FPH	FPH	NS	FPH	FPH	9.89

Well	3/1/06	6/26/06
MW-1	<0.001	<0.001
MW-2	<0.001	0.00125
MW-3	<0.001	<0.001
MW-4	<0.001	<0.001
MW-5	<0.001	<0.001
MW-6	<0.001	<0.001
MW-7	<0.001	<0.001
MW-8	FPH	FPH

Notes: Units are mg/l.
 Duplicate sample results were averaged together
 Indicators for estimated (J) values not shown
 FPH: Free phase hydrocarbons present, no sample collected

FIGURES

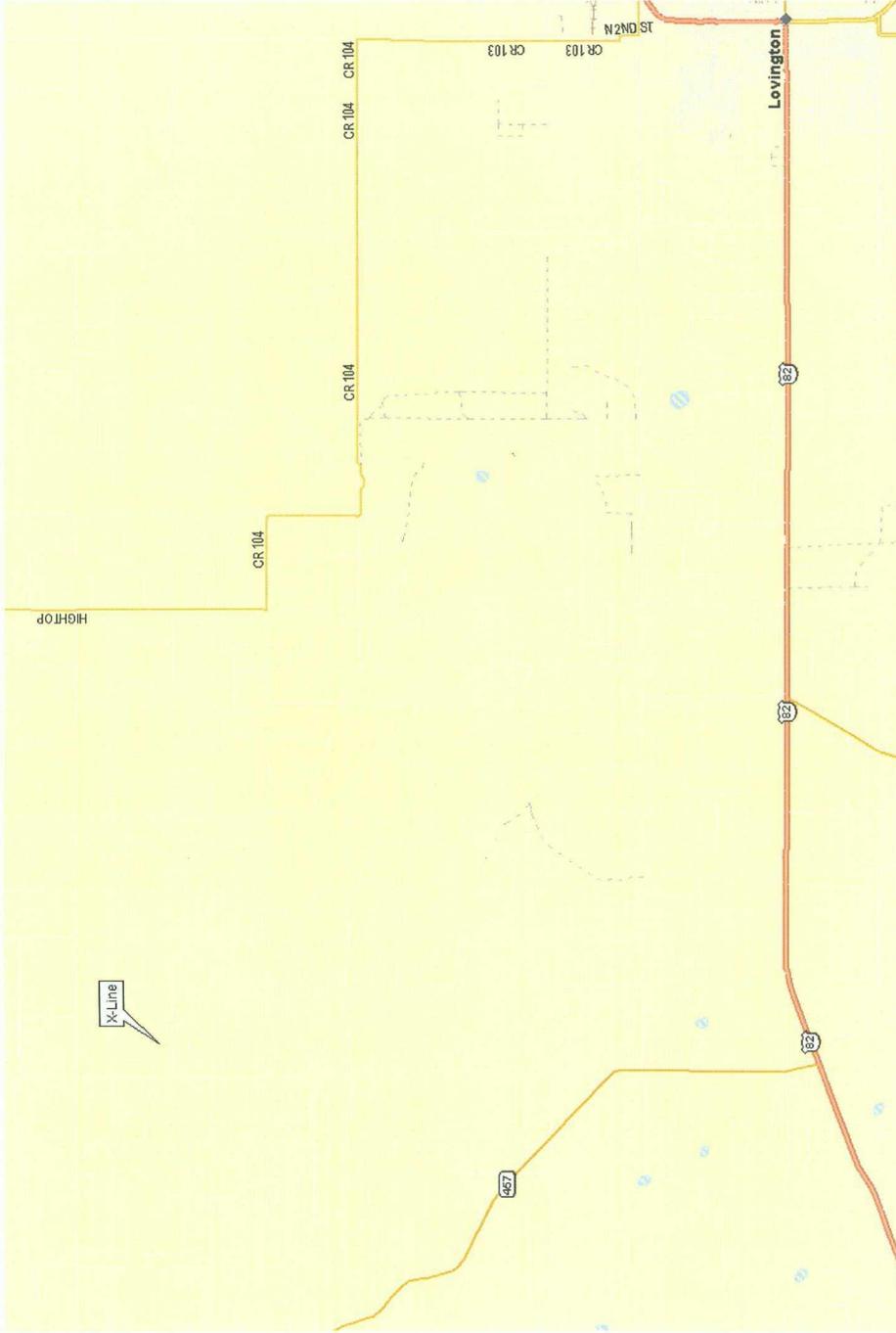


Figure 1 - X-Line Location
 (33.036°N, 103.547°W)

X-Line Remediation

**Duke Energy
 Field Services.**
 DRAWN BY: MHS
 DATE: 2/05

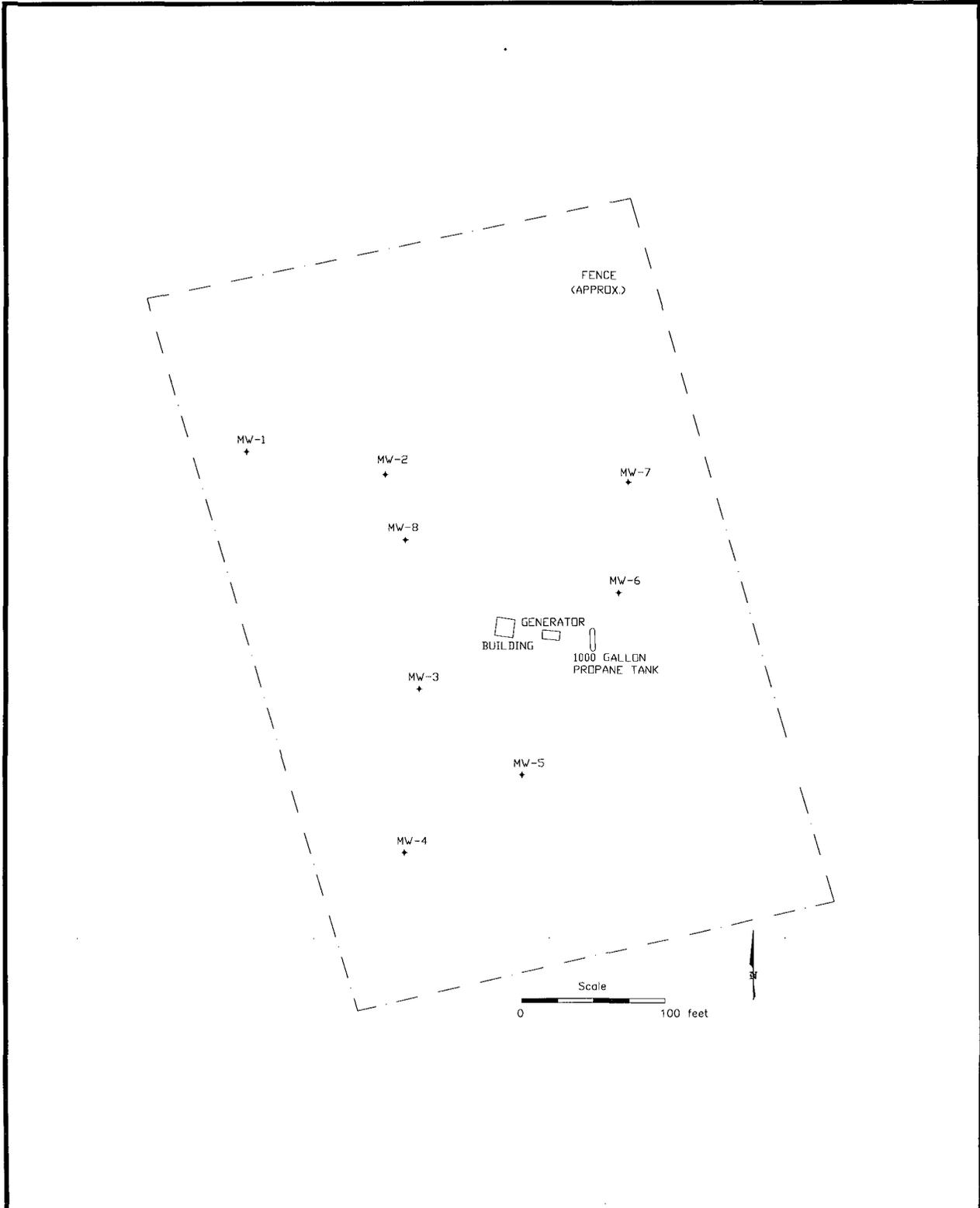


Figure 2 – Facility Configuration
X-Line Remediation



DRAWN BY: MHS

REVISED:

DATE: 6/04

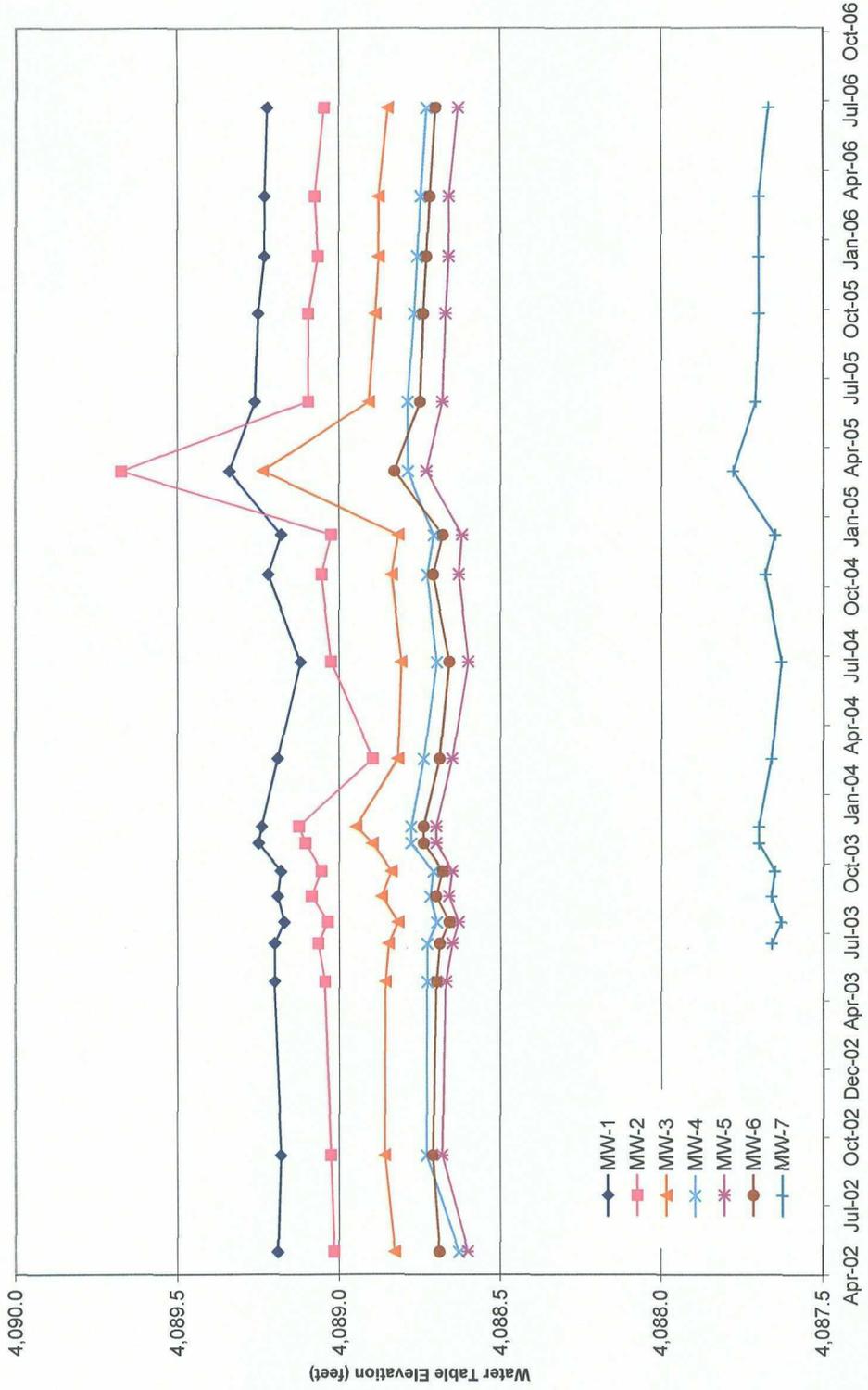


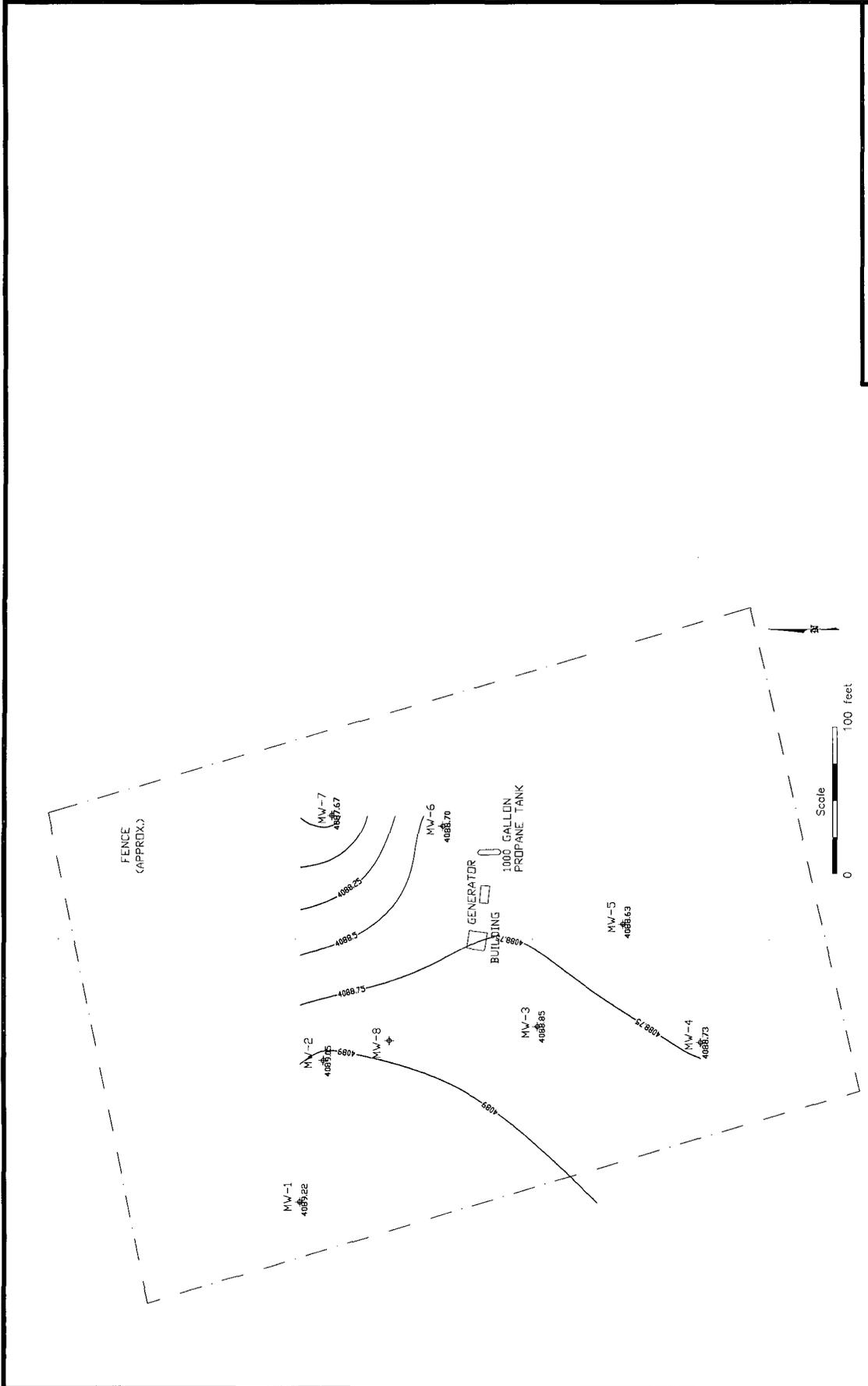
Figure 3 – Well Hydrographs

X-Line Remediation



Duke Energy
Field Services

DRAWN BY: MHS
DATE: 8/06



Contour interval is 0.25 feet

Figure 4 - June 2006 Water Table Contours

X-Line Remediation

	DRAWN BY: MHS
	DATE: 8/06

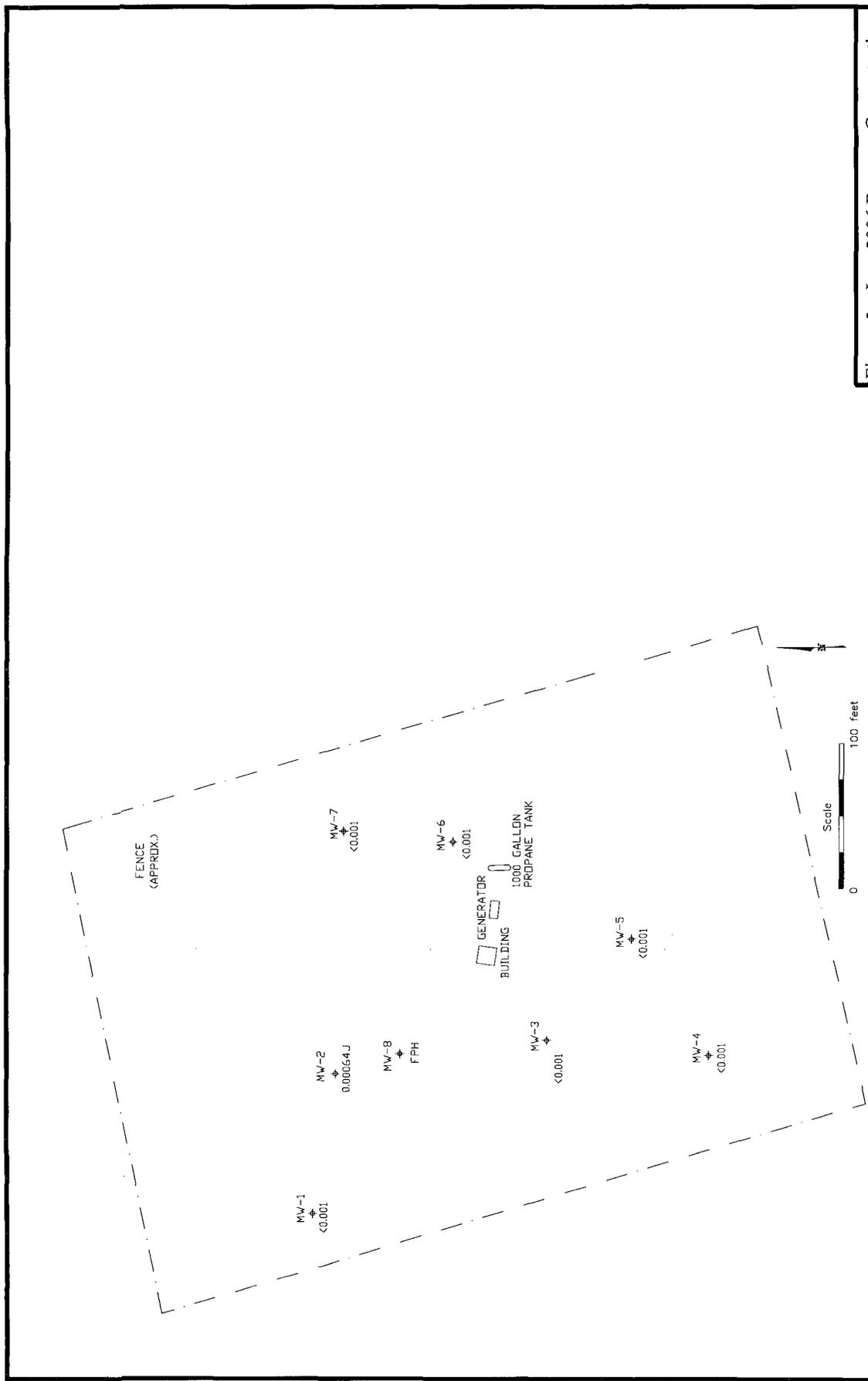


Figure 5 – June 2006 Benzene Concentrations

X-Line Remediation

DRAWN BY: MHS
DATE: 8/06



Units are mg/l
FPH: Free phase hydrocarbons present so sample not collected

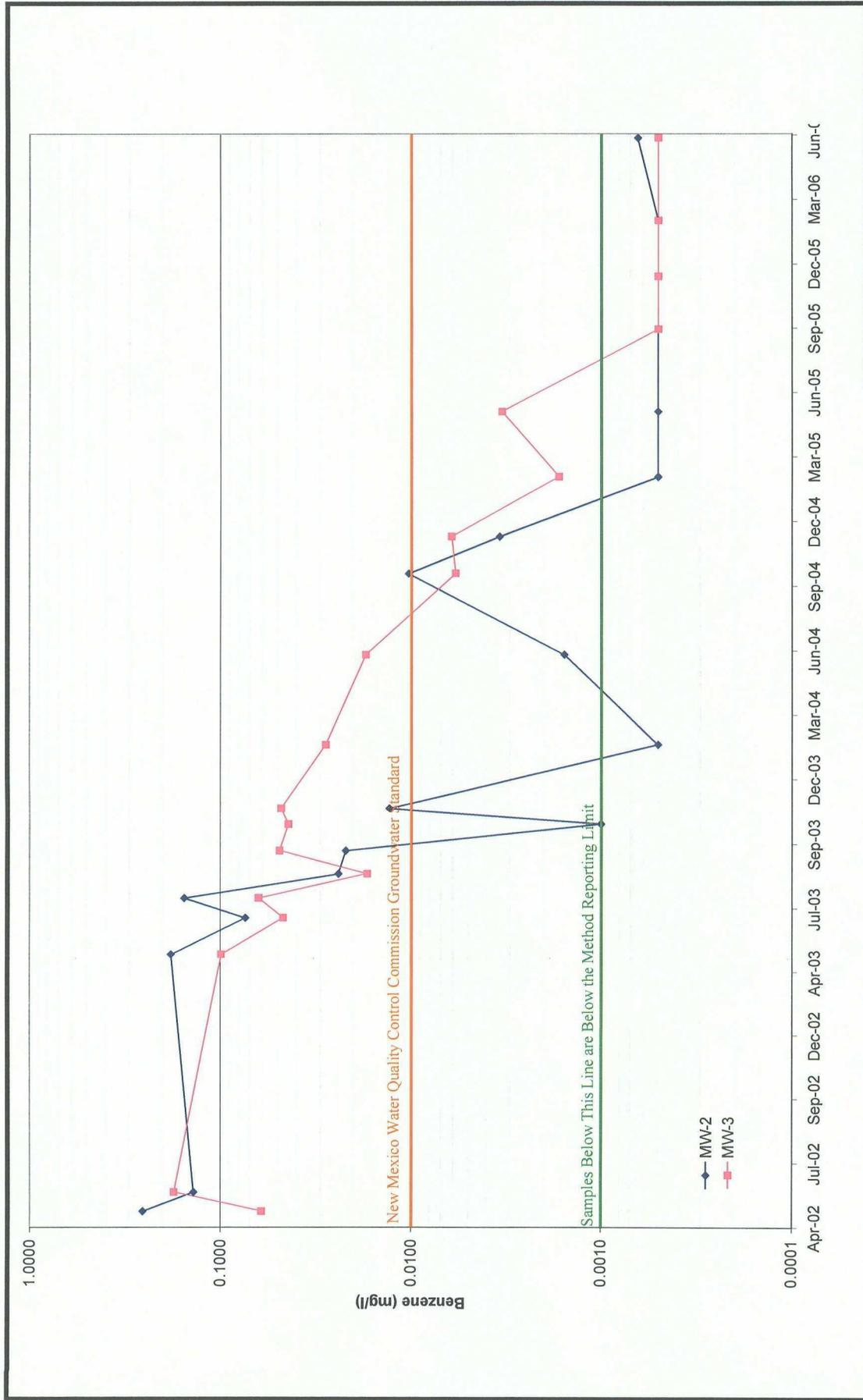


Figure 6 – Benzene Concentrations in MW-2 and MW-3

X-Line Remediation



DRAWN BY: MHS

DATE: 8/06

FIELD SAMPLING FORMS
AND
LABORATORY ANALYTICAL REPORT

WELL SAMPLING DATA FORM

CLIENT: Duke Energy Field Services WELL ID: MW-1
 SITE NAME: X Line (Etcheverry Ranch) DATE: 6/26/2006
 PROJECT NO. F-106 SAMPLER: J. Fergerson/D. Littlejohn

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 94.30 Feet
 DEPTH TO WATER: 77.47 Feet
 HEIGHT OF WATER COLUMN: 16.83 Feet
 WELL DIAMETER: 2.0 Inch

8.2 Minimum Gallons to
 purge 3 well volumes
 (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
14:05	0.0	-	-	-	-	-	Begin Hand Bailing
14:19	2.7	19.1	0.63	7.26	6.9	-	
14:32	5.4	18.9	0.61	7.34	7.1	-	
14:48	8.1	19.1	0.61	7.36	6.9	-	
0:43 :Total Time (hr:min)		8.1 :Total Vol (gal)		0.19 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 060626 1455

ANALYSES: BTEX (8021-B)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: Duke Energy Field Services WELL ID: MW-2
 SITE NAME: X Line (Etcheverry Ranch) DATE: 6/26/2006
 PROJECT NO. F-106 SAMPLER: J. Ferguson/D. Littlejohn

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 89.90 Feet

DEPTH TO WATER: 77.47 Feet

HEIGHT OF WATER COLUMN: 12.43 Feet

WELL DIAMETER: 2.0 Inch

6.1 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. m S/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
14:01	0.0	-	-	-	-	-	Begin Hand Bailing
14:05	2.3	19.2	0.85	7.06	1.1	-	
14:14	4.7	19.3	0.83	7.15	2.1	-	
14:23	7.0	18.9	0.82	7.12	3.1	-	
0:22 :Total Time (hr:min)		7 :Total Vol (gal)		0.32 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 060626 1430

ANALYSES: BTEX (8021-B)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: Duke Energy Field Services WELL ID: MW-3
 SITE NAME: X Line (Etchevery Ranch) DATE: 6/26/2006
 PROJECT NO. F-106 SAMPLER: J. Ferguson/D. Littlejohn

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 92.80 Feet

DEPTH TO WATER: 77.48 Feet

HEIGHT OF WATER COLUMN: 15.32 Feet

WELL DIAMETER: 2.0 Inch

7.5 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
14:48	0.0	-	-	-	-	-	Begin Hand Bailing
14:54	3.0	19.2	0.83	7.08	3.0	-	
15:09	6.0	19.4	0.83	7.11	3.6	-	
15:22	9.0	19.3	0.80	7.12	3.8	-	
0:34 :Total Time (hr:min)		9 :Total Vol (gal)		0.26 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 060626 1530

ANALYSES: BTEX (8021-B)

COMMENTS: Collected Duplicate Sample No.: 0606262000 for BTEX (8021-B)

WELL SAMPLING DATA FORM

CLIENT: Duke Energy Field Services WELL ID: MW-4
 SITE NAME: X Line (Etchevery Ranch) DATE: 6/26/2006
 PROJECT NO. F-106 SAMPLER: J. Fergerson/D. Littlejohn

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 93.40 Feet

DEPTH TO WATER: 77.60 Feet

HEIGHT OF WATER COLUMN: 15.80 Feet

WELL DIAMETER: 2.0 Inch

7.7 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
15:08	0.0	-	-	-	-	-	Begin Hand Bailing
15:24	2.7	19.5	0.63	7.24	6.4	-	
15:38	5.4	19.8	0.61	7.26	6.3	-	
15:54	8.1	20.1	0.62	7.26	6.5	-	
0:46 :Total Time (hr:min)		8.1 :Total Vol (gal)		0.18 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 060626 1605
 ANALYSES: BTEX (8021-B)
 COMMENTS: Collected MS/MSD Sample

WELL SAMPLING DATA FORM

CLIENT: Duke Energy Field Services WELL ID: MW-5
 SITE NAME: X Line (Etchevery Ranch) DATE: 6/26/2006
 PROJECT NO. F-106 SAMPLER: J. Ferguson/D. Littlejohn

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 91.10 Feet

DEPTH TO WATER: 77.27 Feet

HEIGHT OF WATER COLUMN: 13.83 Feet

WELL DIAMETER: 2.0 Inch

6.8 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
15:43	0.0	-	-	-	-	-	Begin Hand Bailing
15:52	2.8	19.8	0.65	7.23	5.2	-	
16:04	5.5	19.9	0.64	7.27	6.1	-	
16:16	8.3	19.7	0.64	7.25	6.0	-	
0:33 :Total Time (hr:min)		8.3 :Total Vol (gal)		0.25 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 060626 1620

ANALYSES: BTEX (8021-B)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: Duke Energy Field Services WELL ID: MW-6
 SITE NAME: X Line (Etcheverry Ranch) DATE: 6/26/2006
 PROJECT NO. F-106 SAMPLER: J. Ferguson/D. Littlejohn

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 92.90 Feet

DEPTH TO WATER: 77.19 Feet

HEIGHT OF WATER COLUMN: 15.71 Feet

WELL DIAMETER: 2.0 Inch

7.7 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
16:28	0.0	-	-	-	-	-	Begin Hand Bailing
16:36	2.8	20.0	0.61	7.26	6.9	-	
16:47	5.5	19.3	0.62	7.16	6.9	-	
17:03	8.3	19.8	0.60	7.28	7.6	-	
0:35 :Total Time (hr:min)		8.3 :Total Vol (gal)		0.24 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 060626 1710

ANALYSES: BTEX (8021-B)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: Duke Energy Field Services WELL ID: MW-7
 SITE NAME: X Line (Etchevery Ranch) DATE: 6/26/2006
 PROJECT NO. F-106 SAMPLER: J. Ferguson/D. Littlejohn

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 92.80 Feet

DEPTH TO WATER: 76.76 Feet

HEIGHT OF WATER COLUMN: 16.04 Feet

WELL DIAMETER: 2.0 Inch

7.9 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
16:25	0.0	-	-	-	-	-	Begin Hand Bailing
16:37	2.7	19.7	0.61	7.29	6.4	-	
16:50	5.4	19.5	0.60	7.29	6.2	-	
17:06	8.1	19.3	0.60	7.31	6.4	-	
0:41 :Total Time (hr:min)		8.1 :Total Vol (gal)		0.20 :Flow Rate (gal/min)			

SAMPLE NO.: Collected Sample No.: 060626 1715

ANALYSES: BTEX (8021-B)

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: Duke Energy Field Services WELL ID: RW-1
 SITE NAME: X Line (Etchevery Ranch) DATE: 6/26/2006
 PROJECT NO. F-106 SAMPLER: J. Ferguson/D. Littlejohn

PURGING METHOD: Hand Bailed Pump If Pump, Type: _____

SAMPLING METHOD: Disposable Bailer Direct from Discharge Hose Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

Gloves Alconox Distilled Water Rinse Other: _____

DISPOSAL METHOD OF PURGE WATER: Surface Discharge Drums Disposal Facility

TOTAL DEPTH OF WELL: 85.10 Feet

DEPTH TO WATER: 77.99 Feet

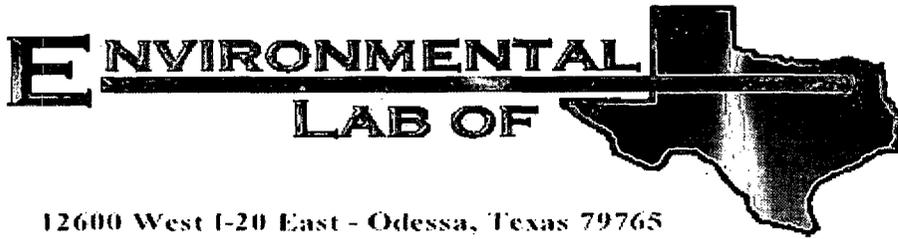
HEIGHT OF WATER COLUMN: 7.11 Feet

WELL DIAMETER: 4.0 Inch

13.9 Minimum Gallons to
purge 3 well volumes
(Water Column Height x 1.96)

TIME	VOLUME PURGED	TEMP. °C	COND. m S/cm	pH	DO mg/L	Turb	PHYSICAL APPEARANCE AND REMARKS
	0	-	-	-	-	-	
		-	-	-	-	-	
0:00	:Total Time (hr:min)		0	:Total Vol (gal)		#DIV/0!	:Flow Rate (gal/min)

SAMPLE NO.: Collected Sample No.: 060626 1340
 ANALYSES: BTEX (8021-B)
 COMMENTS: DID NOT SAMPLE DUE TO FPH GAUGED IN MONITORING WELL!



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Michael Stewart

American Environmental Consultants

6885 South Marshall St., Ste. 3

Littleton, CO 80128

Project: DEFS X-Line (Etcheverry Ranch)

Project Number: None Given

Location: Lea County, New Mexico

Lab Order Number: 6F28011

Report Date: 07/06/06

American Environmental Consultants
6885 South Marshall St., Ste. 3
Littleton CO, 80128

Project: DEFS X-Line (Etcheverry Ranch)
Project Number: None Given
Project Manager: Michael Stewart

Fax: (303) 948-7793

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2 (0606261430)	6F28011-01	Water	06/26/06 14:30	06/28/06 14:10
MW-1 (0606261455)	6F28011-02	Water	06/26/06 14:55	06/28/06 14:10
MW-3 (0606261530)	6F28011-03	Water	06/26/06 15:30	06/28/06 14:10
MW-4 (0606261605)	6F28011-04	Water	06/26/06 16:05	06/28/06 14:10
MW-5 (0606261620)	6F28011-05	Water	06/26/06 16:20	06/28/06 14:10
MW-6 (0606261710)	6F28011-06	Water	06/26/06 17:10	06/28/06 14:10
MW-7 (0606261715)	6F28011-07	Water	06/26/06 17:15	06/28/06 14:10
Duplicate (0606262000)	6F28011-08	Water	06/26/06 20:00	06/28/06 14:10
Trip Blank	6F28011-09	Water	06/26/06 00:00	06/28/06 14:10

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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (0606261430) (6F28011-01) Water									
Benzene	J [0.000641]	0.00100	mg/L	1	EF62914	06/29/06	06/30/06	EPA 8021B	
Toluene	0.00114	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	J [0.000773]	0.00100	"	"	"	"	"	"	
Xylene (o)	J [0.000476]	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		83.5 %	80-120	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		85.2 %	80-120	"	"	"	"	"	
MW-1 (0606261455) (6F28011-02) Water									
Benzene	ND	0.00100	mg/L	1	EF62914	06/29/06	06/29/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		98.0 %	80-120	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.5 %	80-120	"	"	"	"	"	
MW-3 (0606261530) (6F28011-03) Water									
Benzene	ND	0.00100	mg/L	1	EF62914	06/29/06	06/30/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		105 %	80-120	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.2 %	80-120	"	"	"	"	"	
MW-4 (0606261605) (6F28011-04) Water									
Benzene	ND	0.00100	mg/L	1	EF62914	06/29/06	06/29/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		89.0 %	80-120	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		84.0 %	80-120	"	"	"	"	"	

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 Littleton CO, 80128

Project: DEFS X-Line (Etchevery Ranch)
 Project Number: None Given
 Project Manager: Michael Stewart

Fax: (303) 948-7793

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (0606261620) (6F28011-05) Water									
Benzene	ND	0.00100	mg/L	1	EF62914	06/29/06	06/29/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>81.0 %</i>		<i>80-120</i>					
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>80.8 %</i>		<i>80-120</i>					
MW-6 (0606261710) (6F28011-06) Water									
Benzene	ND	0.00100	mg/L	1	EF62914	06/29/06	06/30/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>103 %</i>		<i>80-120</i>					
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>88.0 %</i>		<i>80-120</i>					
MW-7 (0606261715) (6F28011-07) Water									
Benzene	ND	0.00100	mg/L	1	EF62914	06/29/06	06/30/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>86.2 %</i>		<i>80-120</i>					
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>81.0 %</i>		<i>80-120</i>					
Duplicate (0606262000) (6F28011-08) Water									
Benzene	ND	0.00100	mg/L	1	EF62914	06/29/06	06/30/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>93.2 %</i>		<i>80-120</i>					
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>83.5 %</i>		<i>80-120</i>					

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 Littleton CO, 80128

Project: DEFS X-Line (Etcheverry Ranch)
 Project Number: None Given
 Project Manager: Michael Stewart

Fax: (303) 948-7793

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (6F28011-09) Water									
Benzene	ND	0.00100	mg/L	1	EF62914	06/29/06	06/30/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		95.8 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.8 %		80-120	"	"	"	"	

American Environmental Consultants
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 Littleton CO, 80128

Project: DEFS X-Line (Etchevery Ranch)
 Project Number: None Given
 Project Manager: Michael Stewart

Fax: (303) 948-7793

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EF62914 - EPA 5030C (GC)

Blank (EF62914-BLK1) Prepared: 06/29/06 Analyzed: 06/30/06										
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	41.9		ug/l	40.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	34.2		"	40.0		85.5	80-120			

LCS (EF62914-BS1) Prepared & Analyzed: 06/29/06										
Benzene	0.0583	0.00100	mg/L	0.0500		117	80-120			
Toluene	0.0578	0.00100	"	0.0500		116	80-120			
Ethylbenzene	0.0541	0.00100	"	0.0500		108	80-120			
Xylene (p/m)	0.119	0.00100	"	0.100		119	80-120			
Xylene (o)	0.0573	0.00100	"	0.0500		115	80-120			
Surrogate: a,a,a-Trifluorotoluene	40.2		ug/l	40.0		100	80-120			
Surrogate: 4-Bromofluorobenzene	42.4		"	40.0		106	80-120			

Calibration Check (EF62914-CCV1) Prepared: 06/29/06 Analyzed: 06/30/06										
Benzene	56.8		ug/l	50.0		114	80-120			
Toluene	55.1		"	50.0		110	80-120			
Ethylbenzene	57.9		"	50.0		116	80-120			
Xylene (p/m)	111		"	100		111	80-120			
Xylene (o)	56.2		"	50.0		112	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.2		"	40.0		93.0	80-120			
Surrogate: 4-Bromofluorobenzene	40.7		"	40.0		102	80-120			

Matrix Spike (EF62914-MS1) Source: 6F28011-04 Prepared: 06/29/06 Analyzed: 06/30/06										
Benzene	0.0557	0.00100	mg/L	0.0500	ND	111	80-120			
Toluene	0.0544	0.00100	"	0.0500	ND	109	80-120			
Ethylbenzene	0.0515	0.00100	"	0.0500	ND	103	80-120			
Xylene (p/m)	0.112	0.00100	"	0.100	ND	112	80-120			
Xylene (o)	0.0550	0.00100	"	0.0500	ND	110	80-120			
Surrogate: a,a,a-Trifluorotoluene	39.0		ug/l	40.0		97.5	80-120			
Surrogate: 4-Bromofluorobenzene	39.0		"	40.0		97.5	80-120			

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 Littleton CO, 80128

Project: DEFS X-Line (Etcheverry Ranch)
 Project Number: None Given
 Project Manager: Michael Stewart

Fax: (303) 948-7793

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch EF62914 - EPA 5030C (GC)

Matrix Spike Dup (EF62914-MSD1)

Source: 6F28011-04

Prepared: 06/29/06 Analyzed: 06/30/06

Benzene	0.0555	0.00100	mg/L	0.0500	ND	111	80-120	0.00	20	
Toluene	0.0548	0.00100	"	0.0500	ND	110	80-120	0.913	20	
Ethylbenzene	0.0508	0.00100	"	0.0500	ND	102	80-120	0.976	20	
Xylene (p/m)	0.114	0.00100	"	0.100	ND	114	80-120	1.77	20	
Xylene (o)	0.0563	0.00100	"	0.0500	ND	113	80-120	2.69	20	
Surrogate: a,a,a-Trifluorotoluene	41.5		ug/l	40.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	39.0		"	40.0		97.5	80-120			

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Littleton CO, 80128

Project: DEFS X-Line (Etcheverry Ranch)
Project Number: None Given
Project Manager: Michael Stewart

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Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:

Raland K Tuttle

Date:

7/6/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: AMERICA ENV.

Date/Time: 6/28/00

Order #: 10F28011

Initials: CK

Sample Receipt Checklist

	Yes	No	
Temperature of container/cooler?			25 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Custody Seals intact on shipping container/cooler?	<input type="checkbox"/>	<input type="checkbox"/>	Not present
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not present
Chain of custody present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Container labels legible and intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Samples in proper container/bottle?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Samples properly preserved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sample bottles intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VOC samples have zero headspace?	<input type="checkbox"/>	<input type="checkbox"/>	<u>Not Applicable</u>

Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____
 Regarding: _____

Corrective Action Taken:

May 26, 2006

Mr. Stephen Weathers
Duke Energy Field Services, LP
370 17th Street, Suite 2500
Denver, CO 80202

Re: Work Plan Proposal for the J-4-2 Pipeline Release in Lea County, **Unit C,**
Section 27 Township 19 South, Range 35 East

Dear Mr. Weathers:

This letter provides the proposed scope of work for a groundwater and soil investigation program for the Duke Energy Field Services (DEFS) J-4-2 release. The program purpose and objectives and a background section are presented first. A description of the field program is presented next. The last section describes the report organization and scheduling.

PURPOSE AND OBJECTIVES

The purpose of this program is to characterize the affected medium distribution and groundwater conditions beneath the J-4-2 study area at a level of detail sufficient to formulate an appropriate remediation program. Specific objectives include:

- Delineating the plume boundaries associated with the release.
- Defining the groundwater flow direction and gradient.
- Evaluating the degree and extent of natural biodegradation processes on the hydrocarbon distribution.
- Measuring the hydraulic properties of the affected saturated materials.

BACKGROUND INFORMATION

The background topics include the release specifics, land use, topography and surface drainage, a regional geologic summary, and a summary of past site investigative activities. Each topic is discussed separately below.

Release Location, History and Volume

The study area is located in the northeastern quarter of the northwestern quarter (Unit C) of Section 27, Township 19 South, Range 35 East approximately 3 miles south of the of intersection of US Highway 82 and State Highway 483 (Utah Junction) in Lea County New Mexico (Figure 1). The approximate coordinates are 32.6470 degrees north and 103.4470 degrees west.

The release, reportedly of less than 5 barrels, occurred on August 3, 2005. DEFS contracted Environmental Plus Incorporated (EPI) of Eunice, New Mexico to complete the initial remediation activities and prepare the C-141 document. The approximate extent of the spill, depicted on Figure 2, is based upon GPS mapping completed by EPI. The spill was limited to an approximate 2,800 square foot (0.064 acres) area. The spill did not migrate to any defined surface water feature.

Land Use

The RR Ext release site is in an isolated and sparsely populated part of Lea County. The land is used for oil and/or gas extraction, conveyance and processing and stock grazing.

There is one residence approximately 1,800 feet northwest of the site. There may be another residence approximately 1600 feet southeast of the site. The presence and locations of all residences within one mile of the site will be defined during the investigative field program described below.

Topography and Surface Water Drainage.

The topography for the area surrounding the site is shown in Figure 3. The area lies on a slope with a relatively uniform gradient toward the southeast. Runoff from this area does not appear to migrate to any defined surface water body within several miles of the site. Instead, runoff would percolate into the sandy soils as it migrated away from the site.

The surface drainage within this area are poorly defined because of the porous nature of the surface and subsurface materials. Runoff to defined surface features will be restricted to high intensity and/or long-duration precipitation events.

Regional Geology and Groundwater Flow

Information contained in Nicholson and Clebsch¹ indicates the following:

- The materials consist of a thin veneer of dune sand that overlies sandy Quaternary alluvial deposits. The Nicholson and Clebsch map shows the site to be outside the boundaries of the Ogallala Formation; however, the Quaternary alluvial deposits and the Ogallala Formation are composed of similar materials and probably possess similar hydraulic properties.
- Bedrock beneath the site is shown on the Nicholson and Clebsch map at an elevation of 3,745 feet. The site elevation is approximately 3,735 feet (Figure 3) so their bedrock value is high. The Nicholson and Clebsch estimate is based upon regional data. The comparison does indicate that the dune sand is probably not thick beneath the site. The EPI soil boring logs indicated that sand was present to a depth of approximately 35 feet.
- The groundwater contour map in the Nicholson and Clebsch report indicates that the regional groundwater flow in the saturated sands is to the southeast.

A copy of the map prepared by EPI showing the neighboring water wells is included in Figure 4. No wells are shown within 1,000 feet radius of the site. Three wells are shown within one mile of the location in the down gradient (southeast). Eleven wells are shown at five locations up gradient (northwest) of the site. The well positions will be verified during the field program.

Summary of Past Investigative Activities

Investigative activities are limited because of the recent nature of the spill. EPI completed initial investigation programs in September 2005 and February, 2006. The following summary is based upon a preliminary review of their data.

EPI advanced three soil borings, SB-1 through SB-3, and a temporary monitoring well (MW Temp) in September 2005 at the locations shown on Figure 2. Soil samples from various depths were submitted for laboratory analyses for benzene, toluene, ethylbenzene and xylenes (BTEX) and for total petroleum hydrocarbons in the gasoline range (GRO) and the diesel range (DRO). Those results are summarized in Table 1 along with potentially-applicable regulatory standards.

EPI installed three permanent monitoring wells MW-1, MW-2 and MW-3 in February 2006 (Figure 2). The completion information for these three wells is summarized in

¹ Nicholson, Alexander, Jr. and Clebsch, Alfred, Jr., 1961, Geology and Ground-Water Conditions in Southern Lea County New Mexico. New Mexico State Bureau of Mines and Mineral Resources, Ground-Water Report 6, 123 pp.

Table 2. Fluid level data is also included in Table 2. The depth to water in the three wells varied between approximately 23 and 24 feet below ground surface (bgs). Free phase hydrocarbons (FPH) were measured in MW-2 at a thickness of 0.57 feet. Fine-grained sand was the predominant material in boring logs generated by EPI. Varying percentages of fines are also present along with discrete intervals that contained gravels. Caliche was noted to varying depths in all of the borings and wells that were advanced at the site.

The soil data for these wells is included in Table 1. The data collected from the September 2005 borings conflicts both internally (between SB-3 and SB-4) and with the February 2006 data. The photoionization (PID) data provided by EPI is summarized below:

Depth	PID Readings (ppm)		
	SB-1	SB-2	SB-3
2	64.7	565	330
5	3	23.7	439
10		5.4	788
15		54	759
20		4.1	77.2
25			1.9

The above readings indicate that the higher concentrations measured in the September 2005 (SB) borings are probably more representative than the non-detect values from the February 2006 samples.

EPI collected groundwater samples from MW-1 and MW-3, the two wells that did not contain FPH, and the results are summarized in Table 3 along with the September 2005 sample from the temporary monitoring well. The results indicate that MW-1 contains benzene above the New Mexico Water Quality Control Commission groundwater standards while the water in MW-3 was not impacted.

PROPOSED PROGRAM COMPONENTS

The field program described in this section was designed to provide the data necessary to formulate an appropriate remediation plan. The tasks include: 1) installation, development and sampling of additional monitoring wells; 2) well gauging and water table contouring; and 3) physical property measurement. Each task is described below.

Additional Monitoring Well Installation

Five new monitoring wells will be installed, developed and sampled. The proposed well locations are shown on Figure 5. Well MW-4 will be installed in the probable up gradient (northeast) direction. Wells MW-5 and MW-6 will be located at cross-gradient locations away from the release. Wells MW-7 and MW-8 will be installed in the probable down gradient direction progressively away from the release. The exact locations may be altered based upon subsurface obstacles, access constraints, or changed conditions such as a different groundwater flow component.

Each well will be drilled to a depth approximately 10 feet below the first evidence of saturated materials or to a maximum depth of 40 feet if no saturated materials are encountered. The borings will be advanced using hollow-stem auger. All drilling and installation procedures will be supervised by an experienced geologist or engineer with an appropriate background. Continuous soil samples will be collected from the surface to the top of the saturated zone. Each sample will be split into two sealable plastic bags. One set will be subjected to PID measurement. The second set will be placed in a ice-filled cooler. Soil samples from the zones that produce the highest PID measurements will be submitted for analyses for benzene, toluene, ethylbenzene and xylenes (BTEX) and for total petroleum hydrocarbons in the gasoline range (GRO) and the diesel range (DRO).

Fifteen feet of 2-inch, threaded, factory-slotted Schedule 40 PVC will be placed in each well. The annular space will then be backfilled with artificially-graded sand to a minimum depth of 2 feet above the top of the slotted PVC interval. The remaining annular space will then be backfilled with hydrated bentonite. Wells will be allowed to set a minimum of 24 hours prior to development to allow the grout to set.

The surface completion for each well will included an above-ground well protector and a minimum 2 foot by 2 foot concrete pad. Well completion forms will be prepared for each well and included in the addendum report. The coordinates and elevation of each well will be measured by a licensed surveyor.

Well Gauging And Water Table Contouring:

The depth to water will be measured in each well to the nearest 0.01 foot a minimum of 24 hours following installation to ensure that the water table has fully equilibrated. A water table map will be prepared based upon the data collected. The map will include the water table elevations, a set of water table contours and indications of groundwater flow directions.

Monitoring Well Development, Purging And Sampling.

Each new well will be developed using a dedicated bailer or a submersible pump depending upon the volume of water present and the potential well-production rate. Well development will be completed when a minimum of 10 casing volumes of water are removed and the field parameters of temperature, pH and conductivity for the last three casing volumes are stable. In the event the well cannot be continuously purged, it will be bailed dry a minimum of one time.

A well will not be developed and sampled if free product is present after installation. A well will not be sampled if free product enters the well during its development.

A minimum of three casing volumes will then be purged from all of the wells that do not contain FPH using a dedicated bailer. The field parameters temperature, pH, conductivity and dissolved oxygen will be measured after the collection of each casing volume. The wells will be considered stable with the temperature and conductivity stabilize within 10 percent and pH readings remain within 0.2 pH units for three consecutive readings.

Each purged well will then be sampled using the dedicated bailer following the stabilization of the parameters. Unfiltered samples will be collected from each well. The unfiltered samples will be analyzed for BTEX, GRO and DRO for characterization purposes. The suite may be adjusted prior to implementing routine groundwater monitoring.

A field duplicate, matrix spike, matrix spike duplicate (MS/MSD) and a trip blank will be used to evaluate quality control. The field duplicate will be collected from a well with detectable constituents so that the relative percentage difference can be calculated. The MS/MSD sample will be collected from a well that appears to contain unimpacted groundwater. The laboratory will provide the trip blank. The trip blank and the field duplicate will both be analyzed for BTEX.

All development and purge water will be disposed of at the DEFS Linam Ranch facility. All cuttings generated during the drilling process will be stockpiled and sampled and then disposed of in an appropriate fashion. Unaffected cuttings will be thin spread.

Physical Property Measurement

The final field activity will be to measure the physical properties of the saturated materials. Slug tests will be completed on all wells that do not contain FPH to estimate the saturated hydraulic conductivity.

Laboratory testing will also be conducted on one sample collected using a Shelby tube from the saturated zone. The samples will be analyzed by a soils laboratory for:

- Organic matter using ASTM D2974;
- Unified Soil Classification using ASTM D2487;
- Atterburg Limits using ASTM D4318 (as applicable);
- Particle analysis using ASTM D422; and
- Bulk density using ASTM D2937.

Measurement of the biodegradation indicators in the groundwater will be completed during the second sampling episode that will be completed the third quarter of 2006. Waiting until the second sampling episode allows the water to fully equilibrate from any disturbances caused by the drilling process. Also, installation of additional monitoring wells may be necessary to fully delineate the plume. Collecting the indicator samples from all wells at the same time following final plume delineation results in a more reliable assessment of bioremediation potential.

Finally, the following procedure will be followed in any well (including MW-2) where free phase hydrocarbons (FPH) are measured either before or during development or purging:

- Water extraction will cease;
- No water sample will be collected;
- The FPH level will be measured several times to verify equilibration;
- A baildown test of the FPH will be completed; and
- A sample of the FPH will be collected for PIANO analyses.

REPORT PREPARATION AND SCHEDULE

A report will be prepared to present the results of the field investigation and discuss important conclusions. The report will include the following components:

- A summary of the field methods used to install the wells and collect the data.
- A summary of the data collected during the field program.
- Interpretations of the data collected.
- Conclusions on groundwater flow direction and velocity.
- Recommendations (if any) for the completion of additional work prior to the preparation of a remediation plan.

All analytical laboratory reports, slug test analyses, boring logs, and well completion diagrams will be appended to the report. The report will also include recommendations for additional characterization activities and/or remediation components necessary to remediate the site.

Mr. Stephen Weathers
May 26, 2006
Page 8

Do not hesitate to contact me if you have any questions or comments on this document.

Respectfully Submitted,
AMERICAN ENVIRONMENTAL CONSULTING, LLC

Michael H. Stewart

Michael H. Stewart, P.E., C.P.G.
Principal Engineer

TABLES

Table 1 – Summary of Soil Analytical Results from the EPI September 2005 and February 2006 Investigative Episodes at the J4-2 Release Site

Boring	Depth (feet)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Total Xylenes (mg/Kg)	Gasoline Range Organics (mg/Kg)	Diesel Range Organics (mg/Kg)	Oil Range Organics (mg/Kg)
Standard		10				100 (total)		
SB-1	2	<0.025	0.0130J	0.0936	0.328	192	818	
SB-1	5					10.3	47.6	
SB-2	2	0.466	2.55	1.63	10.73			
SB-2	5					13.4	42.7	
SB-3	2	1.15	2.32	1.22	8.39	670	924	
SB-3	5					1,350	2,270	
SB-3	10					2,730	4,480	
SB-3	15					1,940	5,550	
SB-3	25					11.5	26.9	
SB-4	20	0.112	0.842	0.796	6.67	1790	4830	
MW-1	5-6	<0.025	<0.025	<0.025	<0.025	<10	<10	<10
MW-1	10-11	<0.025	<0.025	<0.025	<0.025	<10	<10	<10
MW-1	15-16	<0.025	<0.025	<0.025	<0.025	<10	<10	<10
MW-1	20-21	<0.025	<0.025	<0.025	<0.025	<10	<10	<10
MW-1	25-26	<0.025	<0.025	<0.025	<0.025	<10	<10	<10
MW-1	30-31	<0.025	<0.025	<0.025	<0.025	<10	<10	<10
MW-2	5-6	<0.025	<0.025	<0.025	<0.025	<10	<10	<10
MW-2	10-11	<0.025	<0.025	<0.025	<0.025	<10	<10	<10
MW-2	15-16	<0.025	<0.025	<0.025	<0.025	<10	<10	<10
MW-2	20-21	<0.025	<0.025	<0.025	<0.025	<10	15.2	<10
MW-2	25-26	<0.025	<0.025	<0.025	<0.025	<10	<10	<10
MW-2	30-31	<0.025	<0.025	<0.025	<0.025	<10	<10	<10

Notes: Blank cells denote interval that was not sampled.
 Bold cells indicate exceedance of regulatory standard

Table 2 – Summary of Monitoring Well Completion and Fluid Level Information for the J4-2 Site

Name	Date Installed	Stickup	Total Depth (btoc)	Screen Interval (ground)	Sand Interval	Depth to Fluid (btoc)	FPH Thickness
MW-1	2/06	3.17	43.05	19-39	17-39	26.84	0
MW-2	2/06	3.08	43.30	19-39	17-39	27.11	0.57
MW-3	2/06	3.21	43.00	19-39	17-39	26.03	0

All units are feet

Table 3 – Summary of Groundwater Sample Data

Well	Sampling Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)
Standard		0.01	0.75	0.75	0.62
TMW	9/05	0.766	1.190	0.14	1.14
MW-1	2/06	0.139	0.326	.034	0.31
MW-3	2/06	<0.001	<0.001	<0.001	<0.002

FIGURES

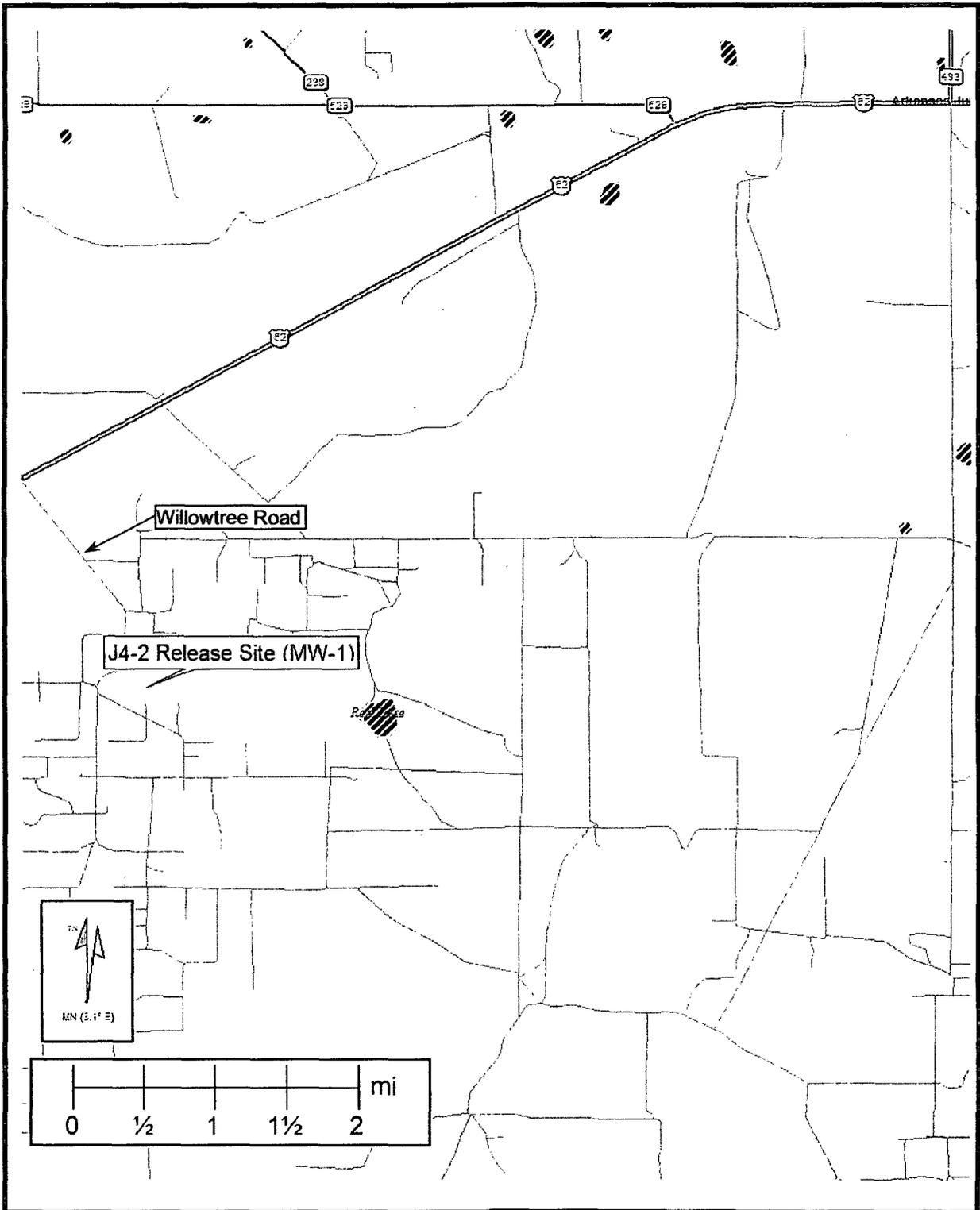
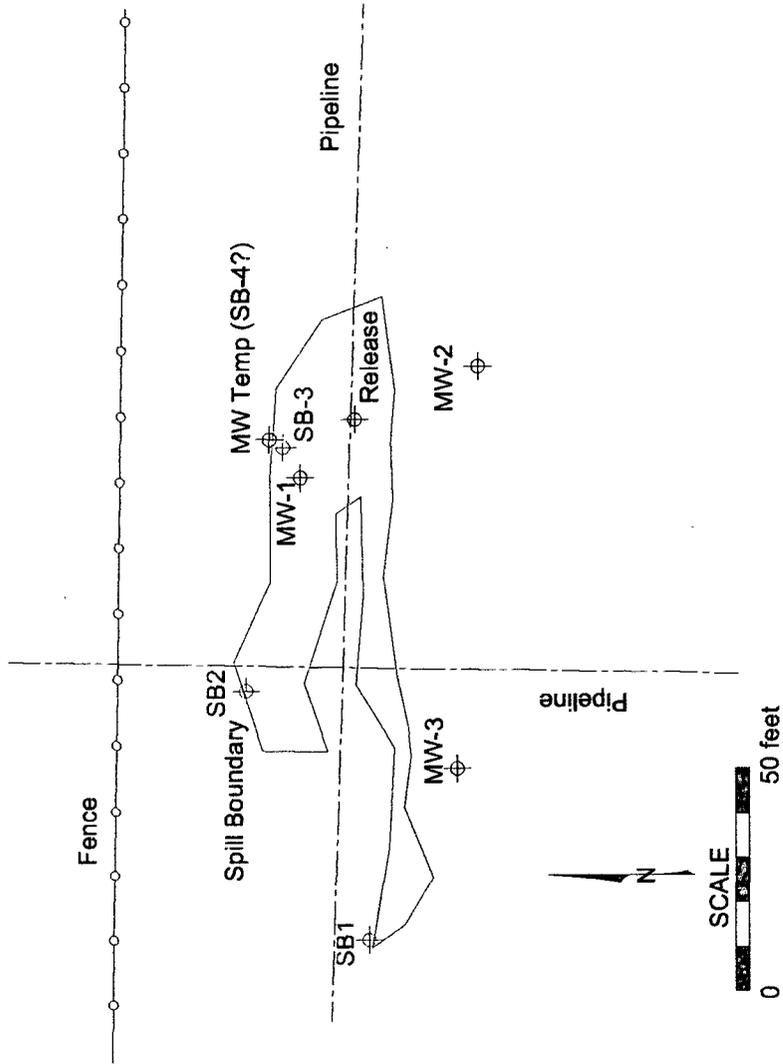


Figure 1 – Site Location
 J-4-2 Characterization



DRAWN BY: MHS
 REVISED:
 DATE: 5/06



- SB1 —⊕— Boreholes installed September 2005
- MW-2 —⊕— Monitoring wells installed February 2006

Figure 2 – Site Details

I-4-2 Characterization

Duke Energy
Field Services

DRAWN BY: MHS
 DATE: 5/06

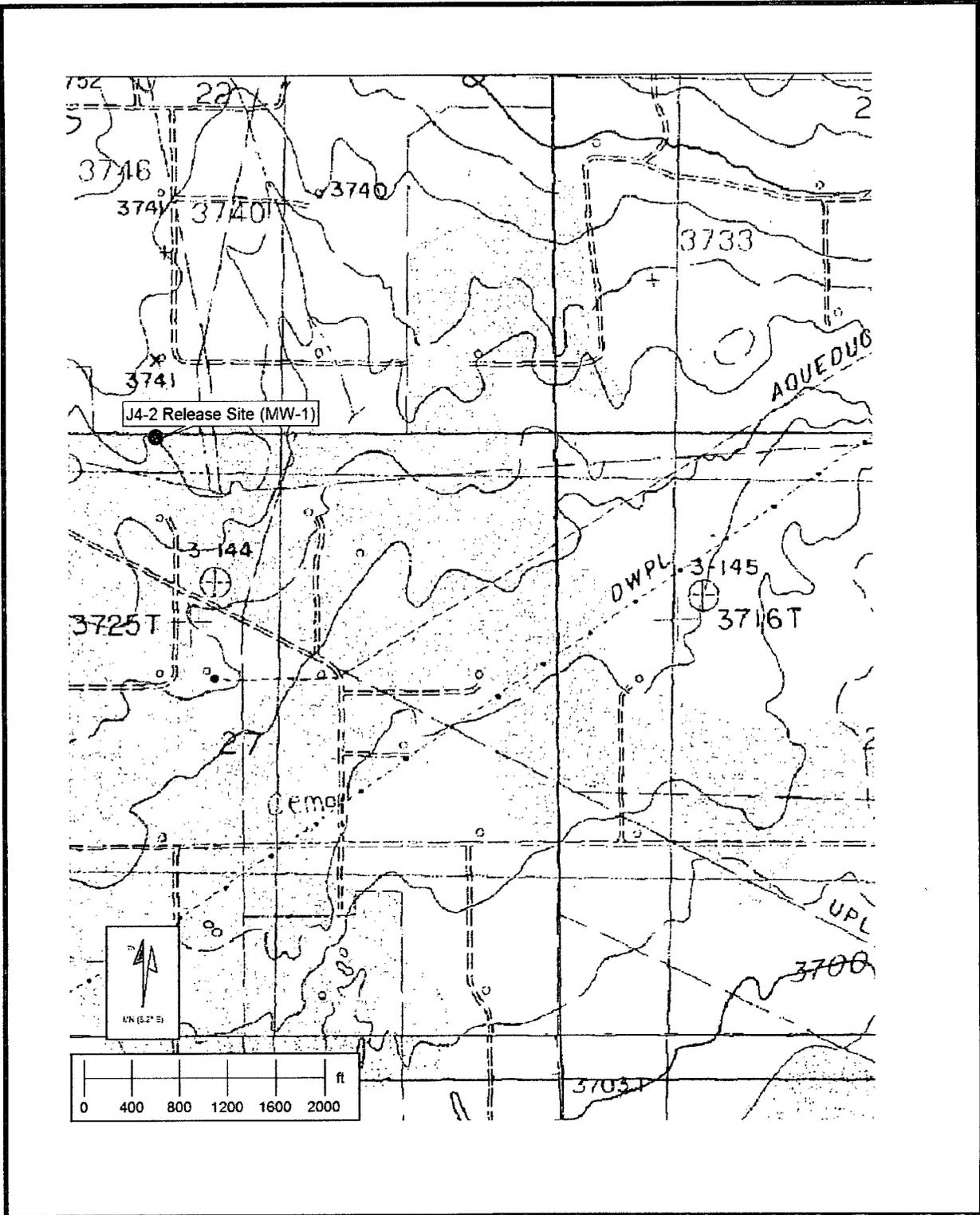


Figure 3 – Topographic Setting
 J-4-2 Characterization



DRAWN BY: MHS
REVISED:
DATE: 5/06

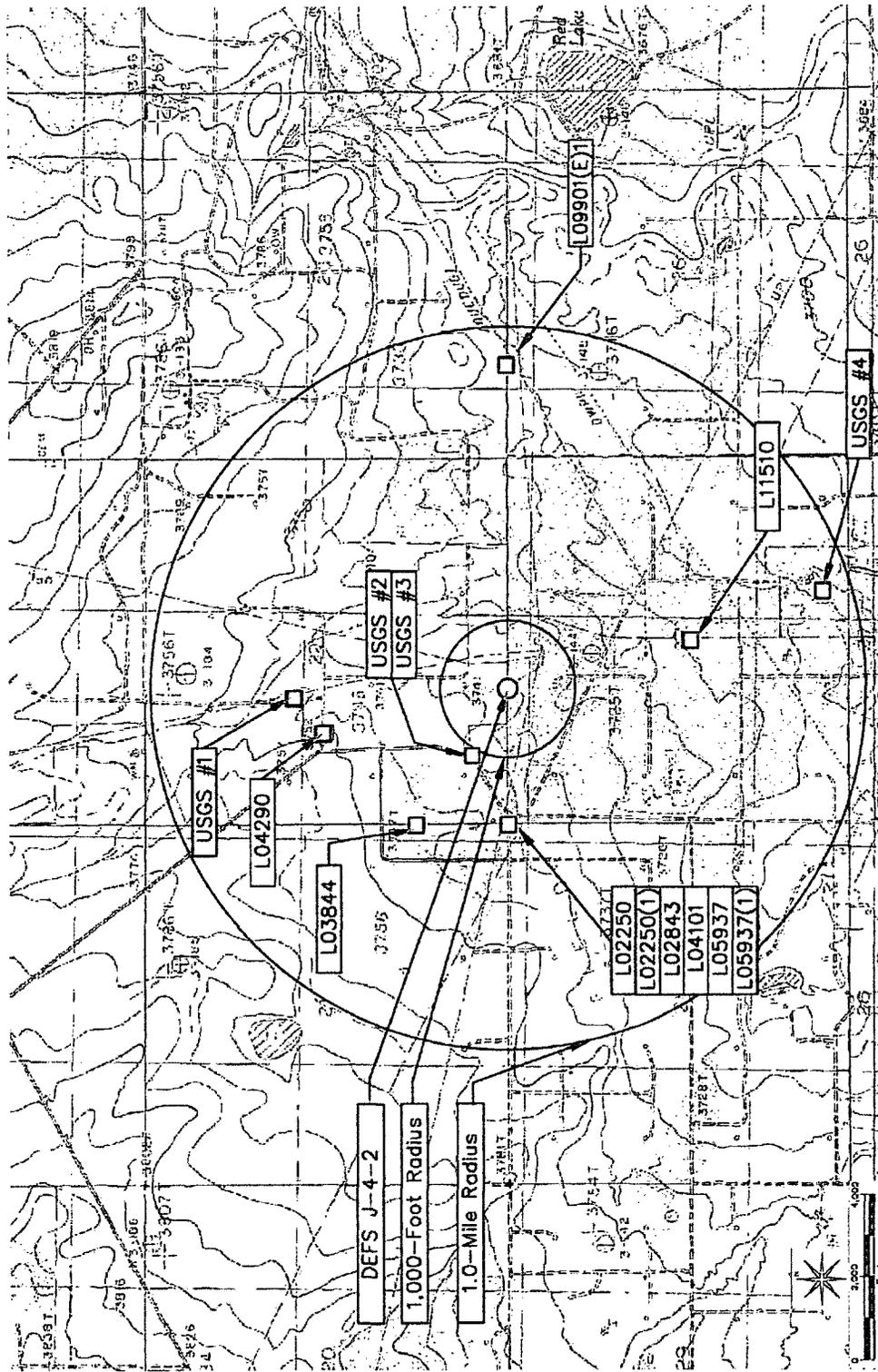


Figure 4 – Water Well Locations (From Environmental Plus)

I-4-2 Characterization

Duke Energy
Field Services

DRAWN BY: MHS
 DATE: 5/06

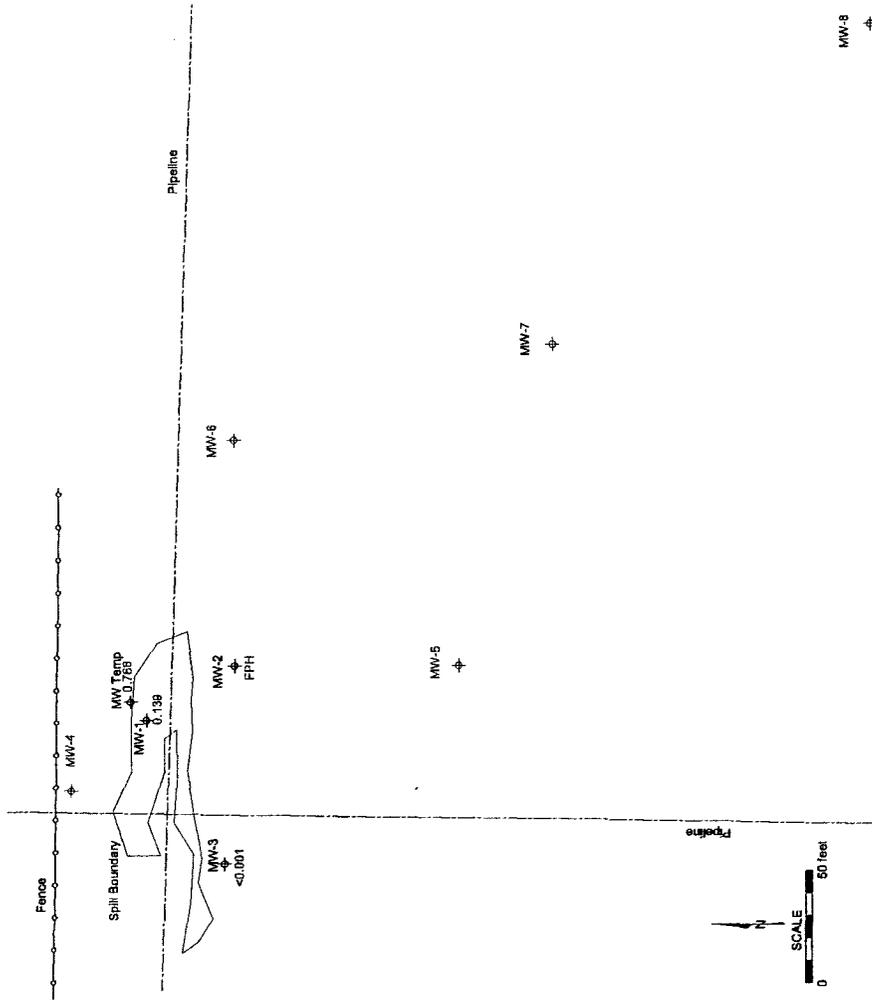


Figure 5 – Proposed Monitoring Well Locations

I-4-2 Characterization

DRAWN BY: MHS

DATE: 5/06



Proposed locations shown in blue

Martin, Ed, EMNRD

From: Iain Olness [iolness@envplus.net]
Sent: Tuesday, December 20, 2005 7:00 AM
To: ~~Martin, Ed, EMNRD~~
Cc: Johnson, Larry, EMNRD; Steve Weathers (DEFS)
Subject: DEFS J-4-2 (Ref. #130028) — PIPELINE

Dear Mr. Martin:

This is a follow-up to the telephone message I left yesterday regarding the above-referenced site.

EPI, on behalf of Duke Energy Field Services, is reporting impacts to groundwater due to a release of natural gas liquids (NGL) at the above-referenced site. The site is located as follows:

UL-C, Section 27, Township 19 South, Range 35 East — 11 MILES WEST
N 32° 38' 18.85" and W 103° 26' 49.02" OF MONUMENT

A soil boring was advanced to groundwater, encountered at approximately 24 feet below ground surface (bgs), and a temporary well installed to collect a groundwater sample. Analytical results for the sample indicated concentrations as follows:

Chloride: 944 mg/L 250
Benzene: 766 µg/L 10
Toluene: 1,190 µg/L 750
Ethylbenzene: 135 µg/L 750
Total Xylenes: 1,135 µg/L 620

Additional groundwater monitoring wells will be installed to determine lateral extent of impacts to groundwater and to determine the groundwater gradient in the area. Upon final scheduling for the installation of the wells, EPI will notify you and the NMOCB Hobbs office of the date at least 48 hours in advance.

Should you have any questions or concerns, please feel free to contact me at (505) 394-3481 or via e-mail at iolness@envplus.net. All official correspondence should be directed to Mr. Steve Weathers at the following address:

Mr. Steve Weathers, Senior Environmental Specialist
Duke Energy Field Services
370 17th Street, Suite 2500
Denver, CO 80202

Sincerely,

ENVIRONMENTAL PLUS, INC.

Iain A. Olness, P.G.
Hydrogeologist

- ✓ NEED C-141
- WRITTEN Remediation Plan / AP
- ✓ LETTER FROM DUKE AUTHORIZING EPI TO ACT AS AGENT

Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

(505) 394-3481
(505) 394-2601 (facsimile)

Scanned by McAfee e250 Appliance

~~0110~~

• 01/09/2006 - left msg @ 8:35

~~0110/~~

• 01/10/2006 - CF w/ IAW

↳ C-141

↳ agent letter

↳ RP

LETTER OF TRANSMITTAL

ENVIRONMENTAL
PLUS, INC.



Date: 14 February 2004 ²⁰⁰⁴
To: **Glen Von Gonten**
Company Name: New Mexico oil Conservation Division
Address: 1220 South St. Francis Drive
City / State / Zip: Santa Fe, NM 87505
From: Iain Olness
CC: Larry Johnson, NMOCD – Hobbs
Steve Weathers, DEFS – Denver
Lynn Ward, DEFS – Midland
Mark Owens, DEFS - Hobbs
Project #: 130028
Project Name: J-4-2
Subject: **Revised C-141**

2006 FEB 17 PM 1 00

# of originals	# of copies	Description
1		Revised copy of the Initial C-141

Dear Mr. von Gonten

Enclosed is a revised copy of the *Initial C-141* for the Duke Energy Field Services (DEFS) release of natural gas and associated natural gas liquids (NGL) from the J-4-2 transmission line. Should you have any questions or concerns, please feel free to contact me at (505) 394-3481 or via e-mail at iolness@envplus.net. All official correspondence should be submitted to Mr. Steve Weathers at the following address:

Mr. Steve Weathers, Senior Environmental Specialist
Duke Energy Field Services, L.P.
370 17th Street, Suite 2500
Denver, CO 80202

Sincerely,

ENVIRONMENTAL PLUS, INC.

Iain A. Olness, P.G.
Hydrogeologist

P. O. Box 1558
Eunice, NM 88240
(505) 394-3481
Fax: (505) 394-2601

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised March 17, 1999

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Revised Report Final Report

Name of Company Duke Energy Field Services	Contact Steve Weathers
Address 370 17 th Street, Suite 2500, Denver, CO 80202	Telephone No. (303) 605-1718
Facility Name J-4-2	Facility Type 8" Steel/Driscoll Transmission Line

Surface Owner State of New Mexico	Mineral Owner State of New Mexico	Lease No. E0-5839-0005
---	---	----------------------------------

LOCATION OF RELEASE

Unit Letter C	Section 27	Township T19S	Range R35E	Feet from the North/South Line	Feet from the East/West Line	County: Lea Lat. N 32° 38' 18.85" Lon. W 103° 26' 49.02"
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NATURE OF RELEASE

Type of Release Natural Gas and Natural Gas Liquids	Volume of Release <5 barrels	Volume Recovered No Recovery
Source of Release Internal corrosion of an 8" steel/driscoll transmission line operating at 15 to 25 psi.	Date and Hour of Occurrence August 3, 2005	Date and Hour of Discovery August 3, 2005
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Not Required	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.* NA

Describe Cause of Problem and Remedial Action Taken.*The release occurred due to internal corrosion of an 8" steel/driscoll transmission line. The line was shut in, the leak origin excavated and a section of the line replaced.

Describe Area Affected and Cleanup Action Taken.*The release impacted approximately 2,800 square feet of right-of-way and pasture land. Soil borings have been advanced at the site to delineate the extent of contamination and a temporary monitoring well installed to determine if groundwater has been impacted due to the release. Analytical results received from the groundwater sample collected from the temporary groundwater monitoring well indicated impacts to the groundwater in excess of the New Mexico Water Quality Control Commission Groundwater Standards. Three permanent groundwater monitoring wells were installed on February 9, 2006 to determine the groundwater gradient at the site. Upon gauging the wells on February 13, 2006, 0.04 feet of phase separated hydrocarbons (PSH) were encountered on the water column in groundwater monitoring well MW-3. The groundwater monitoring well network is to be surveyed on February 14, 2006 and samples collected from groundwater monitoring wells MW-1 and MW-3. The samples are to be submitted to an independent laboratory for quantification of benzene, toluene, ethylbenzene and total xylenes (BTEX constituents), chlorides and sulfates. Upon receipt of analytical results, remedial alternatives will be evaluated and discussed with the NMOCD.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Steve Weathers	Approved by District Supervisor:		
E-mail Address: swwathers@duke-energy.com	Approval Date:	Expiration Date:	
Title: Senior Environmental Specialist	Conditions of Approval:		Attached <input type="checkbox"/>
Date:	Phone: (432) 620-4207		

* Attach Additional Sheets If Necessary