AP - 33

GENERAL CORRESPONDENCE

YEAR(S):
2004 - 2007

Duke Energy® Field Services

370 17th Street, Suite 2500
Denver, Colorado 80202
303-595-3331 – main
303-605-1957 – fax

February 28, 2006

Mr. Jack Ford C.P.G.
Environmental Bureau
New Mexico Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

RE: DEFS Eldridge Ranch Study Area (AP#-33)
NMG-148C Pipeline Release (1R 334)

Dear Mr. Ford:

This letter is being sent in regards to the following two Duke Energy Field Services, LP (DEFS) remediation projects.

1. **DEFS Eldridge Ranch Study Area (AP#-33)** located near Monument, New Mexico (Unit P, Section 21, Township 19 South, Range 37 East)

2. **NMG-148C Pipeline Release (1R 334)** located on New Mexico State Land in Lea County, New Mexico (Unit N Section 16, T19S R37E)

Based on our phone conversation of February 27, 2006, I would like to request that the two remediation projects mentioned above be combined into one remediation project and officially be called the DEFS Eldridge Ranch Study Area and fall under AP#33. The sites associated with the two projects are contiguous with each other and would be easier to manage as one project.

Upon your approval, all future correspondence associated with the two projects will be submitted under DEFS Eldridge Ranch Study Area (AP#33).

If you have any questions regarding these reports, please call at 303-605-1718 or e-mail me swweathers@duke-energy.com .

Sincerely

Duke Energy Field Services, LP

Stephen Weathers, PG
Sr. Environmental Specialist

cc: Environmental Files

Ford, Jack, EMNRD

From: John Fergerson [jmfergerson@grandecom.net]

Sent: Thursday, December 15, 2005 7:34 AM

To: Ford, Jack, EMNRD; Johnson, Larry, EMNRD

Cc: Mike Stewart; Polo Rendon; Steve Weathers

Subject: Notification to Complete Quarterly Gauging & Groundwater Sampling at DEFS-DEFS (Eldridge) Ranch

Gentlemen,

I am notifying the NMOCD by this email that Trident Environmental, a subcontractor to Duke Energy Field Services, will complete the following field activities at the DEFS (Eldridge) Ranch project site in Lea County, New Mexico. The activities include:

1) Measure fluid levels in all wells using an oil-water interface probe.

2) Purge select monitoring, irrigation, and house wells. Parameter readings will be recorded during purging activity.

3) Collect groundwater samples for BTEX after parameter readings have stabilized and a minimum of three well casing volumes of water have been removed. Wells that bail/pump dry will be allowed time to recover a total of three times before sample collection.

4) Deliver samples to the analytical lab using standard chain of custody protocol. At least 2 duplicate samples and a trip blank will accompany the samples and will be used to evaluate quality control.

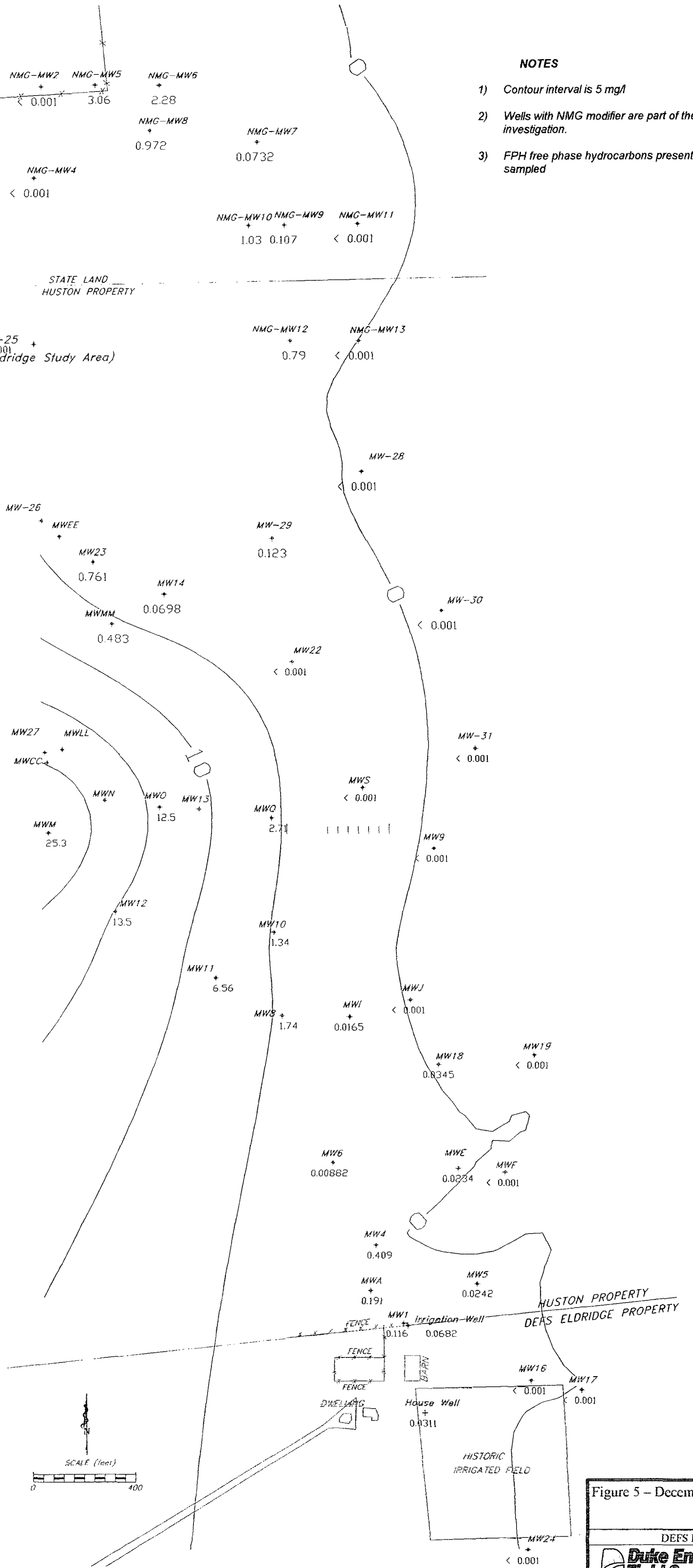
The project site is located approximately 1.5 miles NE of the city of Monument NM, Lea County, New Mexico. Legal description is Section 21, Township 19 South, Range 37 East

Sampling activity is scheduled to begin at 0800-0900 MDT on Tuesday, December 20, 2005.

Please contact me by email or telephone if you have any questions and/or concerns about the field activities for this project site.

Thanks,

John M. Fergerson, PG
Trident Environmental
P.O. Box 7624
Midland, Texas 79708
432-682-0008 (Main)
432-262-5216 (Office)
432-638-7333 (Cell)
270-518-8081 (Fax)
John@trident-environmental.com



NOTES

1) *Contour interval is 5 mg/l*
2) *Wells with NMG modifier are part of the NMG-148c release investigation.*
3) *FPH free phase hydrocarbons present so well was not sampled*

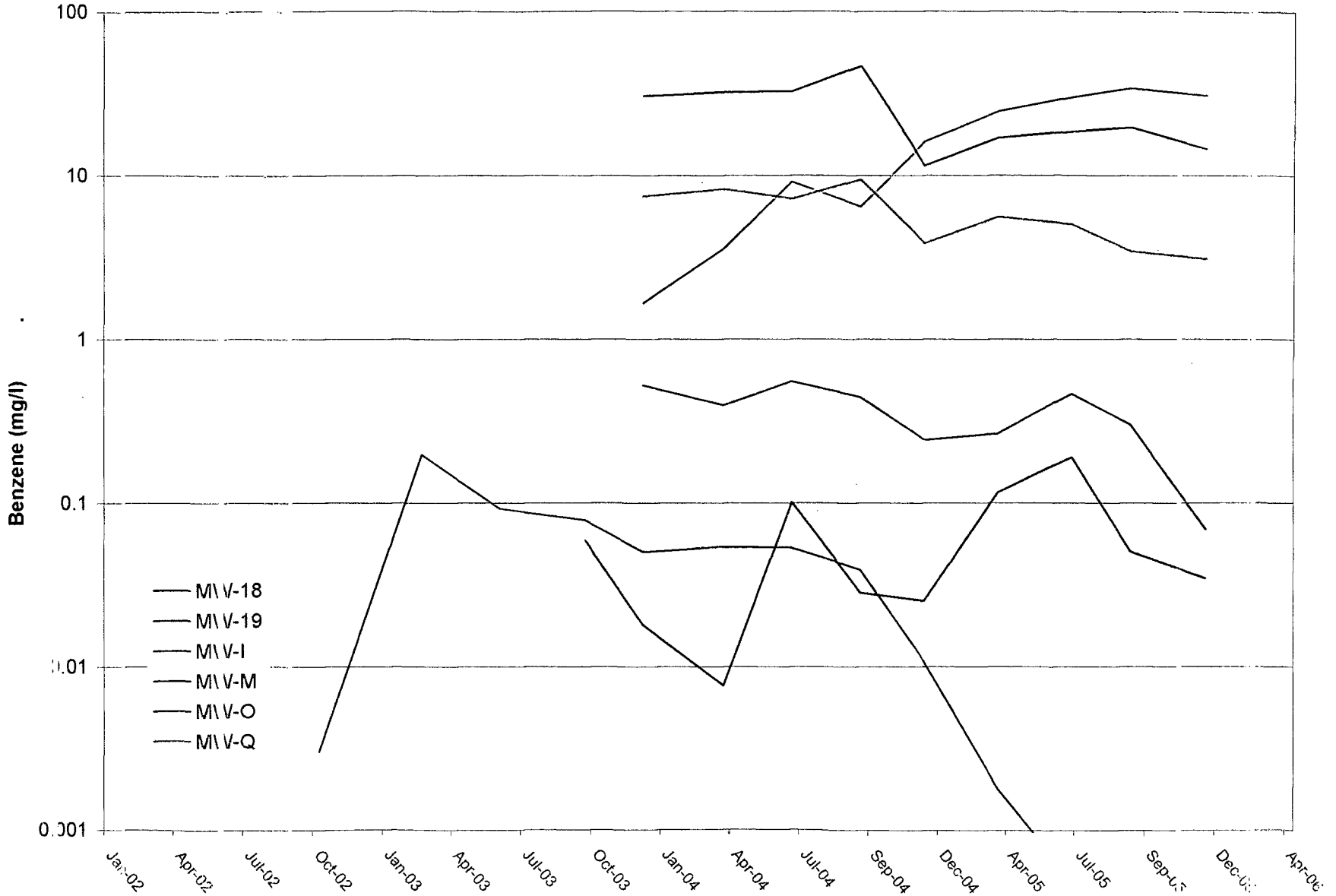
Figure 5 – December 2005 Benzene Isopleth

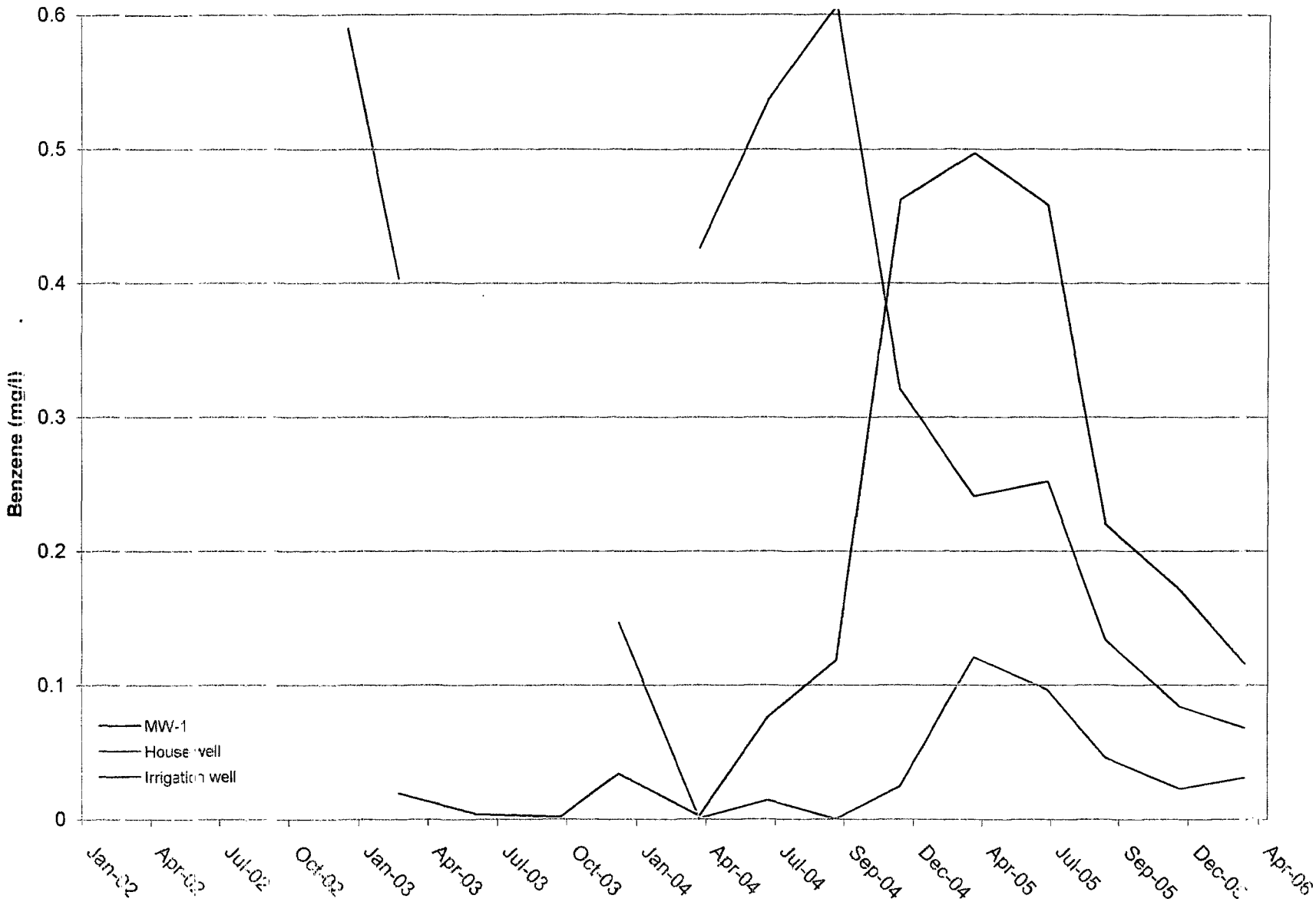
DEFS Eldridge Study Area

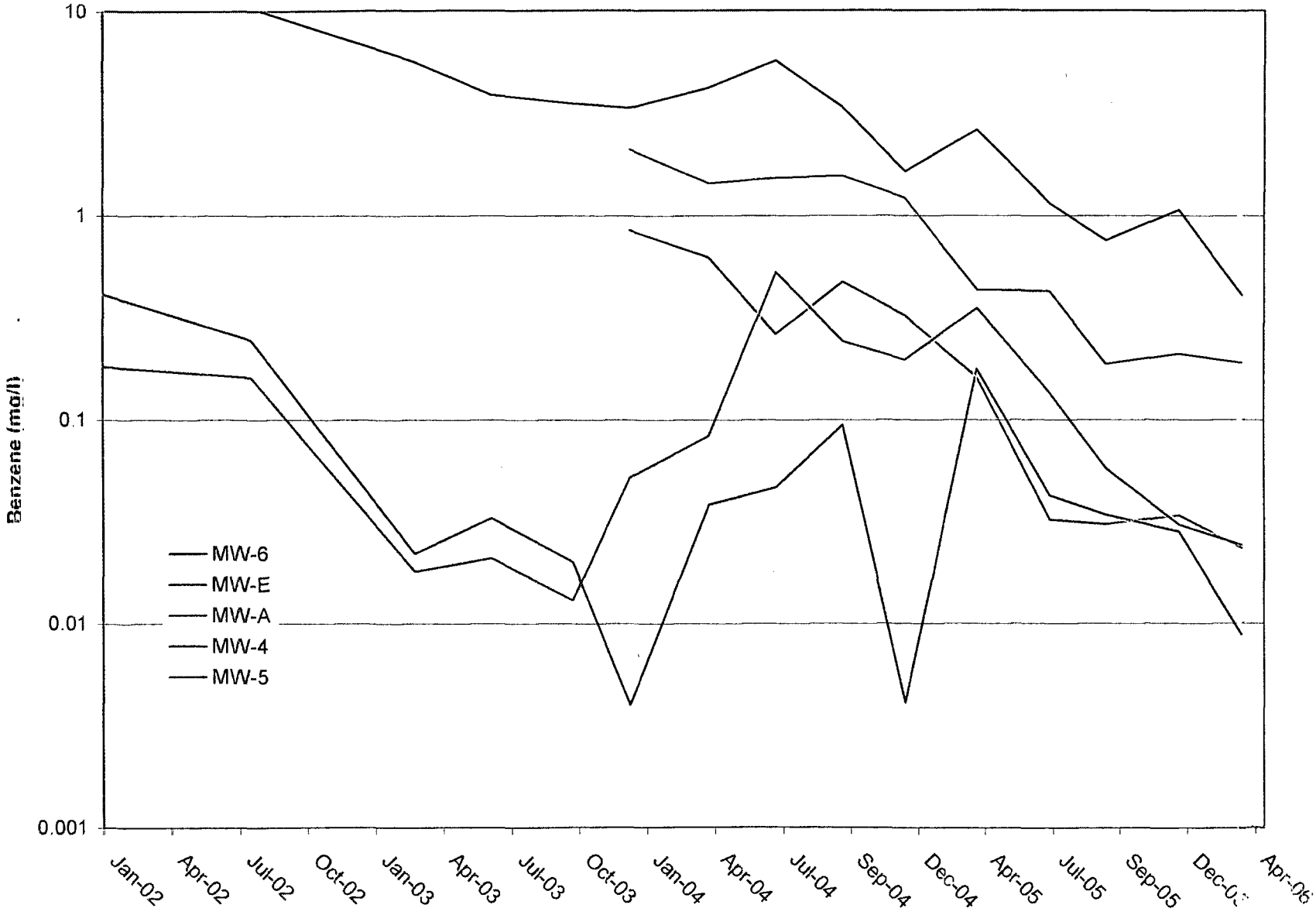
Duke Energy Field Services

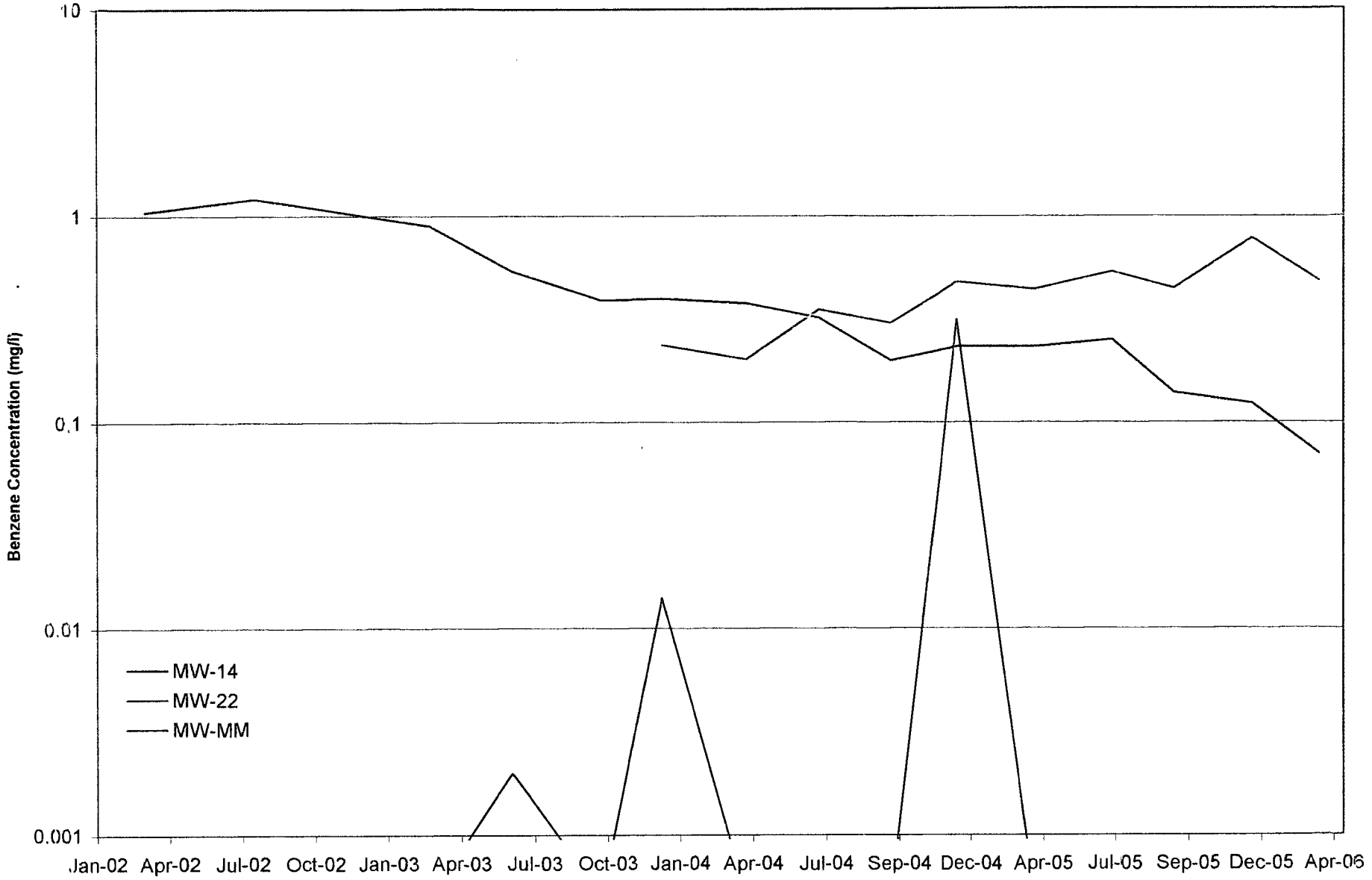
DRAWN BY: MHS

DATE: 1/06


100
10
1
0.1
0.01
0.001
Benzene (mg/l)
MW-18
MW-19
MW-I
MW-M
MW-O
MW-Q
Jan-02
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Sep-04
Dec-04
Apr-05
Jul-05


Benzene (mg/l)
0.6
0.5
0.4
0.3
0.2
0.1
0
MW-1
House well
Irrigation well
Jan-02
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Sep-04
Dec-04
Apr-05
Jul-05
Sep-05
Dec-05
Apr-06


10
1
0.1
0.01
0.001
Benzene (mg/l)
MW-6
MW-E
MW-A
MW-4
MW-5
Jan-02
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Sep-04
Dec-04
Apr-05
Jul-05
Sep-05


10
1
0.1
0.01
0.001
Benzene Concentration (mg/l)
MW-14
MW-22
MW-MM
Jan-02
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Sep-04
Dec-04
Apr-05
Jul-05
Sep-05
Dec-05
Apr-06

Ford, Jack, EMNRD

From: John Fergerson [jmfergerson@grandecom.net]

Sent: Wednesday, June 22, 2005 8:34 AM

To: Ford, Jack, EMNRD; Johnson, Larry, EMNRD

Cc: Mike Stewart; Steve Weathers

Subject: Notification to Complete Quarterly Gauging & Groundwater Sampling Activity at the DEFS-DEFS (Eldridge) Ranch Project Site

Gentlemen,

I am notifying the NMOCD by this email that Trident Environmental, a subcontractor to Duke Energy Field Services, will complete the following field activities at the DEFS (Eldridge) Ranch project site in Lea County, New Mexico. The activities include:

1) Measure fluid levels in all wells using an oil-water interface probe.

2) Purge all monitoring, irrigation, house and water wells. Parameter readings will be recorded during purging activity.

3) Collect groundwater samples for BTEX after parameter readings have stabilized and a minimum of three well casing volumes of water have been removed. Wells that bail/pump dry will be allowed time to recover a total of three times before sample collection.

4) Deliver samples to the analytical lab using standard chain of custody protocol. At least 2 duplicate samples and a trip blank will accompany the samples and will be used to evaluate quality control.

The project site is located approximately 1.5 miles NE of the city of Monument NM, Lea County, New Mexico. Legal description is Section 21, Township 19 South, Range 37 East

Gauging & sampling activity is scheduled to begin at 0800-0900 MDT on Monday June 27, 2005.

Please contact me by email or telephone if you have any questions and/or concerns about the field activities for this project site.

Thanks,

John M. Fergerson, PG
Trident Environmental
P.O. Box 7624
Midland, Texas 79708
432-682-0008 (Main)
432-262-5216 (Office)
432-638-7333 (Cell)
270-518-8081 (Fax)
John@trident-environmental.com

Ford, Jack, EMNRD

From: John Fergerson [jmfergerson@grandecom.net]

Sent: Wednesday, March 16, 2005 5:58 AM

To: Jack Ford; Larry Johnson

Cc: Steve Weathers; Mike Stewart

Subject: Notification to Complete Quarterly Gauging & Groundwater Sampling at the DEFS-DEFS (Eldridge) Ranch Project Site

Gentlemen,

I am notifying the NMOCD by this email that Trident Environmental, a subcontractor to Duke Energy Field Services, will complete the following field activities at the DEFS (Eldridge) Ranch project site in Lea County, New Mexico. The activities include:

1) Measure fluid levels in all wells using an oil-water interface probe.

2) Purge all monitoring, irrigation, and house wells. Parameter readings to be recorded during purging activity.

3) Collect groundwater samples for BTEX after parameter readings have stabilized and a minimum of three well casing volumes of water have been removed. Wells that bail/pump dry will be allowed time to recover a total of three times before sample collection.

4) Deliver samples to the analytical lab using standard chain of custody protocol. At least 2 duplicate samples and a trip blank will accompany the samples and will be used to evaluate quality control.

The project site is located approximately 1.5 miles NE of the city of Monument NM, Lea County, New Mexico. Legal discription is Section 21, Township 19 South, Range 37 East

Gauging and sampling activity is scheduled to begin at 0800-0900 MDT on Monday, March 21 2005.

If you have any questions and/or comments please give me a call at my office or cell phone number.

Thanks,

John M. Fergerson, PG
Trident Environmental
P.O. Box 7624
Midland, Texas 79708
432-682-0008 (Main)
432-262-5216 (Office)
432-638-7333 (Cell)
John@trident-environmental.com

Ford, Jack

From: John Fergerson [jmfergerson@grandecom.net]

Sent: Wednesday, December 08, 2004 5:07 AM

To: Jack Ford; Chris Williams; Larry Johnson

Cc: Mike Stewart; Steve Weathers; Paul Mulkey

Subject: Notification to Complete Gauging & Groundwater Sampling Activity at the DEFS-DEFS (Eldridge) Ranch Project Site

Gentlemen,

I am notifying the NMOCD by this email that Trident Environmental, a subcontractor to Duke Energy Field Services, will complete the following field activities at the DEFS (Eldridge) Ranch project site in Lea County, New Mexico. The activities include:

1) Measure fluid levels in all wells using an oil-water interface probe.

2) Purge all monitoring, irrigation, house and water wells. Parameter readings to be recorded during purging activity.

3) Collect groundwater samples for BTEX after parameter readings have stabilized and a minimum of three well casing volumes of water have been removed. Wells that bail/pump dry will be allowed time to recover a total of three times before sample collection.

4) Deliver samples to the analytical lab using standard chain of custody protocol. At least 3 duplicate samples and a trip blank will accompany the samples and will be used to evaluate quality control.

The project site is located approximately 1.5 miles NE of the city of Monument NM, Lea County, New Mexico. Legal discription is Section 21, Township 19 South, Range 37 East

Sampling activity is scheduled to begin at 0800-0900 MST on Monday December 13, 2004.

Please contact me by email or telephone if you have any questions and/or concerns about the field activities for this project site.

Thanks,

John M. Fergerson, PG
Trident Environmental
P.O. Box 7624
Midland, Texas 79708
432-682-0008 (Main)
432-262-5216 (Office)
432-638-7333 (Cell)
270-518-8081 (Fax)
John@trident-environmental.com

Duke Energy®
Field Services

AP033

DUKE ENERGY FIELD SERVICES
370 17th Street
Suite 2500
Denver, CO 80202

303 595 3331

RECEIVED

FEB 22 2004

Oil Conservation Division
Environmental Bureau

February 19, 2004

Mr. Bill Olson
New Mexico Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

RE: Stage 1 Abatement Site Investigation Report (AP#-33)
DEFS Eldridge Ranch Study Area,
Lea County, New Mexico

Dear Mr. Olson:

Duke Energy Field Services, LP (DEFS) is pleased to submit for your review the Stage 1 Site Investigation Report as required under Rule 19 for the DEFS Eldridge Ranch Study Area, Lea County, New Mexico (Unit P, Section 21, Township 19 South, Range 37 East). An additional copy of the enclosed report will be forwarded to the New Mexico Oil Conservation Division (OCD) Hobbs District Office.

Based on the results of the Stage 1 Abatement field activities, DEFS has compiled enough information to complete the Stage 2 Abatement requirements on the hydrocarbon releases only identified as originating from DEFS sources. Potential non DEFS related soil and groundwater hydrocarbon impacts were identified during the Stage 1 Abatement field activities. Until those releases are fully characterized, it can not be determined if all active hydrocarbon sources within the study area have been eliminated. Evidence of the potential non DEFS related hydrocarbon impacts are as follows:

1. Hydrocarbon impacted soils were encountered from pipeline depth to groundwater along a historical non-DEFS gathering pipeline running east – west across the study area.
2. Free-Phase Hydrocarbons were encountered on groundwater directly below the historical non-DEFS gathering pipeline running east – west.
3. Dissolved phase hydrocarbon and chloride plumes were measured around the historical Chevron burn/blowdown pit. The chloride plume is an indication of a direct release from the historical pit to the groundwater.
4. Free-Phase Hydrocarbons were encountered on groundwater approximately 1,200 feet from the NMG-148 pipeline in close proximity to pipelines owned by other parties.
5. The Dynegy line that transects the study area is a spiral welded pipeline that has been slipped with poly. This is an indication that the line has integrity problems.
6. Physical, chemical fingerprint and carbon isotopic analysis of the Free-Phase Hydrocarbons establish that there are different hydrocarbon sources within the study area.

DEFS requests that, based on the above evidence, additional investigation including but not limited to hydrostatically testing or exposing of the non DEFS pipelines transversing the study area be completed.

DEFS will begin preparing the Stage 2 Abatement Plan for DEFS identified releases upon the OCD approval of the enclosed State 1 Abatement Report.

If you have any questions regarding this report, please call me at 303-605-1718.

Sincerely

Duke Energy Field Services, LP

Stephen Weathers P.G.
Sr. Environmental Specialist

enclosure

cc: Larry Johnson, OCD Hobbs District Office
Lynn Ward, DEFS Midland Office
Environmental Files, DEFS Denver

Chavez, Carl J, EMNRD

From: Weathers, Stephen W [SWWeathers@dcpmidstream.com]
Sent: Monday, January 15, 2007 9:36 AM
To: Chavez, Carl J, EMNRD
Subject: DCP Midstream Remediation Projects

Carl

I would like to set up a meeting with you to go over DCP Midstream Remediation Projects. What would your availability be for next week possibly on Thursday (January 25) or Mid Week the following week to meet and discuss the projects?

Daniel Dick and myself would attend as well as Mike Stewart the Environmental Consultant that does most of our groundwater remediation projects in NM.

Thanks

Stephen Weathers
Sr. Environmental Specialist
DCP Midstream
303-605-1718 (Office)
303-619-3042 (Cell)

Effective 1/1/07 my email address has changed to swweathers@dcpmidstream.com

OCD DCP Midstream LP. Sites Discussion Meeting
(Stephen Weathers, Daniel Dick, et. al) February 1, 2007

GPM Artesia GP (GW-23)

On 5/26/2006, Stephen Weathers PG 303-605-1718 (swweathers@duke-energy.com) submitted a Flare Pit Soil Remediation & Closure Work plan by Conestoga-Rovers & Assoc. to Mike Bratcher. Upon your approval, DEFS will move forward w/ the closure activities. One hard copy of the work plan will also be mailed next week (OCD Santa Fe never received it).

Stephen Weathers, et al. will present the info. during the 1/31/2007 meeting in Santa Fe.

Lee Compressor Station (GW-227) (Also known as the Gillespie/Feagan)
A-24-T17 S 35 E

Closure work plan dated 9/5/2006 mailed to Ben Stone to complete a site closure.

The work plan was develop. Based on DEFS decision to cancel the discharge plan GW-227 and close the site. The closure plan is submitted to the OCD for approval.

Closure Activities: DEFS will remove all remaining equip. from site. The site will be visually inspected to determine if hydrocarb. impacted soil is present at the site. If no HC impacted soils are encountered, the site will be leveled and reseeded with native grass. If HC impacted soils are encountered, the impact soil will be remediated following NMOCD Guidelines for Remed. of Leaks, Spills, & Releases, 8/1993 and using: Benz (10 ppm), BTEX (50 ppm), and TPH (100 ppm). A PID might be used to screen potential HC impacted soil. If headspace is <= 100 ppm, the PID reading will be used as a substitute to lab analysis for benz./BTEX. If the PID is not used for screening confirm. soil samples will be analyzed for BTEX using EPA 8021B.

HC impact soils that are found to be greater than cleanup criteria will be excavated and properly disposed at an NMOCD approved facility. Confirmation soil samples will then be collected within the base and sidewalls of the excavation to confirm that the HC impacted soils have been removed to below the NMOCD cleanup stds. for this site.

After confirmation soil samples confirm the impacted soils has been removed to below the NMOCD cleanup Stds., the excavation will be backfilled with clean fill mtl. and the area reseeded w/ native grass. A closure report will be completed summarizing all field activities and analytical results. The closure report will also request that no further action will be needed at this site. Upon approval of this work plan, field activities will be scheduled. A 48 hr. notice will be given to the NMOCD Hobbs DO informing them of the start up of the field activities.

LEE GP (GW-2)

Dick Daniel (DIDick@dcpmidstream.com)

Received Q4 2006 GW Monitor Rpt. On 1/30/07 w/ recommendations for certain activities, i.e., free-product recovery in MWs 5 and 15 w/ restart analysis on MW-8 recommended.

Expired DP and OCD msg. to Ruth Lang on 12/21/06: the Lee Compressor Station (GW-227) correspondence dated 12/28/06 indicates that the facility will remain inactive and follow the closure plan to permanently close the facility. Upon receipt of the closure plan info. and verification that contamination exists at the facility with some photos to display what the site currently looks like, the OCD may close the DP?

DUKE LINAM RANCH GP (GW-15)

Third Qtr. 2006 GW Monitoring Report dated January 30, 2007.

GW conditions remain stable. Next monitor event is scheduled for first qtr. 2007. Next annual report for site will be prepared following completion of first qtr. 2007 monitor activities.

On 11/1/2006 Dick Daniel (didick@duke-energy.com) submitted the Annual GW Rpt. 2005-2006. The summary rpt. for Q3 2005 and Q1 2006 GW sampling event. The data indicate that GW conditions remain stable. The next monitor event was performed in 9/2006. The next annual rpt. for the site will be prepared following the completion of the Q1 2007 monitor activities & review & validation of the analytical results. The water tables rose substantially more in MW-1 and 2 than in MW-3, 7 & 9. MW-1 & 2 are located in or adjacent to a natural drainage swale that has been blocked in the S part of site to produce an internally drained condition. The other 3 wells are outside of this area. Unusually high precip in 2004-2005 resulted in more GW mounding beneath the closed drain swale than the rest of the site. The water table in MWs 1 & 2 began to recede after the precip. patterns returned to normal. Water tables in the other 3 wells continue to rise suggesting a more dampened relationship between the precipitation and resulting chgs. in the water table elevations.

MW-7 was not included in the piezometer maps. The level in MW-7 was not included in these maps. Including this well results in a water-table configuration that suggests radial flow from the center of the property. MW-7 has never contained measurable BTEX. This suggests the relatively higher water table in the central part of site is localized so contours should not be carried to the NW. FPH thick measurements for 9/29/2005 (MW-4=0.68 in & MW-6=4.23 in.) and 3/22/2006 (MW-4=0.76 & MW-6=3.69 in.). Only MWs 10 & 10D exceeded BTEX Stds. Any dissolved phase BTEX that emanate from FPH at MW-4 & MW-6 attenuate to below the method reporting limits before migrating to the vicinity of MW-1 (cross gradient) or MW-8 (down gradient). BTEX measured at MW-10 and 10D attenuate to concentrations that are slightly above MW-9 or below the reporting limits (MW-12 & 13) at the interior down gradient wells. The above have remained constant since ~ 6/2001. This indicates that BTEX distribution and attenuating mechanism that controls it are equilibrated.

The affected areas are min. of 1,000 ft. from the nearest down gradient property boundary. Wells containing FPH are in an active gas processing area so the safety risks inherent to restarting FPH collection more than offsets the environmental benefits that would be associated with the activity. The data establishes that dissolved phase releases from the FPH that is present in this area are attenuated approx. 1,000 ft. from the nearest down-gradient property boundary. The next semi-annual GW monitor event is scheduled for the Q3 2006. Contact Michael Stewart PE 303-948-7733 if you have questions.

HOBBS BOOSTER CS (GW-44)

Project Summary: Hobbs Booster Station, (Discharge Plan GW-044)
(Units C and D, Section 4, Township 19 South, Range 38 East)

Summary date: October 10, 2006

Project history:

DEFS inherited Hobbs Booster Station (Former Gas Plant) when it acquired the assets of GPM. Site investigation activities began in July 1999. Plume delineation was completed in June 2003.

Two remediation systems are present at the site. An air sparge system was installed in January 2004 to control cross-gradient off site migration of dissolved phase hydrocarbons. It has operated on a near continual basis except for a couple of periods when it was under repair, and the groundwater data verifies that it is controlling off-site migration.

A free phase hydrocarbon (FPH) collection system became operational in January 2005 in the center of the site. It has operated on a regular schedule except for a couple of brief periods when it was down for repairs. The system has effectively remove FPH since it was started. The system is inspected and maintained on a regular basis DEFS is currently evaluating the potential of adding vacuum to the system to increase the production rate and capture zone of each well.

Current Project Status:

The hydrocarbon plume has been delineated to below the method detection limits. There is no evidence of plume expansion. Operation of the air sparge system is necessary to control dissolved-phase hydrocarbon releases to the south. FPH collection will continue indefinitely.

Detection level Groundwater monitoring continues at the site on a quarterly basis. Operation of the air sparge and the FPH collection system will continue indefinitely.

On 12/17/06 Michael Stewart & Steve Weathers notified OCD that Trident Environmental will conduct quarterly monitor well gauging & GW sampling and the following: SWLs in MW, RW and temp. wells using an oil/water interface problem; Collect GW samples for BTEX w/ QA/QC; Purge water disposed at NMOCD approved facility. Project site location: 1625 W. Marland, Hobbs (C&D 4-19S-36E). Sampling will begin on 12/20/06.

On 10/30/06, Stephen Weathers 303-605-1718 (swweathers@duke-energy.com) submitted additional vacuum enhancement testing for the free phase hydrocarbon extraction system located at C&D 4-19S-38E. DEFS would like to complete this test early next week. Upon completion of the field activities DEFS will complete an assessment report summarizing the results of the test.

The AEC 10/30/06 summary of initial assessment activities & recom. for further evaluation of adding vacuum enhancement to the free phase hydrocarbon extraction system. Depth (BTOC) is about 50 feet. The above SWL indicate that recent heavy rains have not affected the water table in a fashion similar to 2004 precip. This fact is important because the WT historically declined at a rate of about 1 ft/yr. this trend should continue to expose more of the screened interval in these wells to make them available to vacuum effects.

FPH thickness ranges from about 0.43 in. to 10.63 in. in TW-C, OW-25W & 50W, OW-100W, OW-25S, OW-50S, OW-25 E & OW-25 N. There is a gravel interval at about 34 to 64 feet BGL.

On 10/23/2006, Stephen Weathers 4-303-605-1718 (swweathers@duke-energy.com) submitted an electronic copy of the 2005-2006 Annual GW Monitor Rpt. along w/ a cover letter.

The report is missing & OCD should request another copy.

DUKE APEX CS (GW-163)

old conoco

Trisha Elizondo (ARCADIS) (Trisha.elizondo@arcadis-us.com)

On 1/17/07, notification that ARCADIS will be conducting mo. Product recovery and PCA Junction on 1/22-23/07. Routine product recovery is on-going at site through hand-bailing. MWs at 2 locations will be surveyed to help w/ GW flow & potentiometric surface.

DUKE HOBBS GP (GW-175)

old conoco
Stephen Weathers (SWWeathers@dcpmidstream.com)

Project Summary: Hobbs Gas Plant
Unit G, Section 36 Township 18 South, Range 36 East

Summary date: October 10, 2006

Project history:

DEFS acquired the Hobbs Gas Plant in March of 2004. Ground water monitoring wells (6 wells) were installed at the site during the due diligence phase of the acquisition. Benzene was identified above the WQCC standards in one of the groundwater monitoring wells.

Current Project Status:

Groundwater monitoring continues at the site on a quarterly basis.

On 1/29/07, 4Q 2006 GW monitor rpt. submitted. Two MWs exhibit elevated benzene levels. SE and E-central portions of site adjacent to process equip. Qtly sampling continues. Results of Q1 2007 sampling will be reported in A1 2007 GW monitor report. Potentiometric surface maps for site in future reports can be expected.

Remediation Sites

C-line Release Site (1RP-401-0)

Project Summary: C-line Release site (1RP-401-0)
(Unit O, Section 31, Township 19 South, Range 37 East)

Summary date: October 10, 2006

Project history: Pipeline Release

Duke Energy Field Services C-Line Pipeline Release occurred in May of 2002. The release occurred on New Mexico State Land. Environmental Plus, Inc. was contracted to complete the soil remediation. Approximately 3,868 cubic yards of impacted soil was excavated. 2,707 cubic yards of impacted soils was properly disposed and the remaining impacted soil was blended/shredded until below cleanup standards and placed back into the excavation. During the soil remediation, groundwater was determined to be impacted with hydrocarbons. The groundwater characterization activities began in fourth quarter 2002. A total of 9 groundwater monitor wells were installed. Active free phase hydrocarbon (FPH) removal initiated in November 2003. A soil vapor extraction system was installed in October 2004. The system was expanded to include a second well in June 2005. No FPH has been measured since March 2006 even after the SVE system was turned off (but remains at the site) in June 2006.

Current Project Status:

All FPH has been removed as discussed above. The hydrocarbon plume has been delineated. There is no evidence of plume expansion, and, in fact, the plume may actually be contracting.

Groundwater monitoring continues at the site on a quarterly basis. Site monitoring could be decreased to semi-annual.

Received Q3 2006 GW monitor rpt. from Stephen Weathers on 12/18/06.

Eldridge Ranch (AP-33)

Stephen Weathers (SWWeathers@dcpmidstream.com)

Project Summary: Eldridge Ranch, (Abatement Plan AP-33)
(Unit P, Section 21, Township 19 South, Range 37 East)

Summary date: October 10, 2006

Project history: Pipeline Release

DEFS initiated investigative activities in June 2002 following notification by NMOCD. Site characterization activities were largely completed by the fourth quarter of 2003. The boundaries of detectable hydrocarbons have been delineated.

DEFS submitted the Stage 1 Abatement Site Investigation Report (ASIR) on February 11, 2004 to the New Mexico Oil Conservation Division (OCD). In the ASIR, DEFS committed to continuing two activities (groundwater monitoring and free phase hydrocarbon (FPH) removal) independent of the ASIR review timeframe. The OCD has not commented on the ASIR. Groundwater monitoring and FPH removal activities continue on a regular basis.

Current Project Status:

FPH recovery has been attempted at the site with limited results. The FPH at the site is generally limited in thickness to less than one foot. In addition, the FPH appears to be relatively immobile based upon the inability of the automatic collection systems to collect the liquids.

The hydrocarbon plume has been delineated to below the method detection limits. There is no evidence of plume expansion; however, concentrations the interior of the plume appears to exhibit nominal increases and decrease in response to seasonal precipitation.

Groundwater monitoring continues at the site on a quarterly basis. Site monitoring could be decreased to semi-annual without jeopardizing environmental impacts. FPH removal continues as site conditions warrant.

On 1/26/07, received Q4 2006 GW monitor rpt. for AP-33 near Monument NM. Some conclusions: FPH mobility appears to be limited based on historic bail down/recovery tests and failure to reappear; FPH thick is less than 0.8 ft. in six wells and less than 0.1 ft in 2 of 6 wells. FPH is relatively immobile at thick less than 1 ft. FH continues to decline in MW-EE from max. thick. of 0.83 ft. in 9/2005. FPH thick in other wells (excepting MW-CC) also exhibit decreasing trends. Benzene horiz. distrib. remain unchanged over duration of project. The benz level in the former house well continues to remain below NM WQCC GW std. Summer 2006 rains did not create a spike in levels at MWs like the heavy 2004-2005 rains. No evidence of plume expansion exists ; thus, natural attenuation stabilizes and removes hydrocarbs as they migrate away from area.

AEC recommends that Q1 2007 monitoring be completed and data reviewed to evaluate changes in GW flow patterns in S-central part of study area.

On 12/22/06, received Q3 2006 GW monitor report conclusions: FPH remains in 4 wells in W-central part of study area. FPH thick decrease in 3 of 4 wells. FPH present to N in MW-EE at 0.35 ft. FPH continues to decline from max thick of 0.83 ft. in 9/2005. FPH was not measured anywhwere else within study area. FPH mobility appears to be limited based on historic bail down/recovery tests and its failure to reappear in previously affected wells to S. Benz distrib. unchg. over duration of project. Temporal benz distrib. - see charts.

On 10/24/06, Stephen Weathers 303-605-1718 (swweathers@duke-energy.com) submitted GW monitor rpt. for Q2 2006. The former NMG-148C Study Area was combined with the Eldridge Ranch Study Area beginning w/ the Q1 2006. The areas were combined after estab. that hydrocarb plume orig. from NMG-148C had migrated into the Eldridge Ranch Study Area before it attenuated. The combined sites will be treated as a single entity in all subsequent sample events. Activities are governed under AP-33. DEFS submitted the Stage 1 Abatement Site Investigation Rpt. (ASIR) on 2/11/2004 to the OCD. In that rpt., DEFS is committed to continuing 2 activities independ. of the ASIR review timeframe. The activities include GW monitor. & free phase hydrocarb. (FPH) removal when practicable.

GW Monitor activities were completed on 6/19 and 20, 2006 abiding by the OCD approved SAP. SWLs, FPH tick measurements, and GW sampling were completed (see report). The conclusions were: The interpretations are grouped accord. to GW flow, product thick and GW chemistry. 6/2006: data from newly installed MW-28-31 continues to indicate that GW flow beneath the northern part of the Huston property is southward rather than toward the SE.

The WT continues to decline at a uniform rate across the site from a high in 12/2004. The vertical gradient measured between MWs 1s & 1d has not varied substantially over the duration of the project.

Conclusions are: FPH is present in 5 MWs in the w-central part of the study area. The FPH mobility appears to be limited based upon historic bail down/recovery tests & its failure to reappear in previously affected wells to the S. FPH was also present to the N in MW-EE at 0.35 ft. FPH has now declined from a max. thick of 0.83 ft. in 9/2005. FPH was not measured anywhere else within the study area. The Benz distribution has remained essentially unchg. over the duration of the project. MWs 28, 30 & 31 installed in 3/2006 did not contain detectable concentrations of BTEX constituents when they were sampled a second time. MW-29 has detected BTEX. The northernmost NMG-148C plume and moves south. The pattern indicates that the areal extent of the dissolved phase plume assoc. w/ NMG release is not expanding.

The concern. in MW-e & MW-1 located in the S part of this area continue to decline. Samples from the other 4 wells (MW-M, O, Q & M) produced concentrations that were at or slightly higher than the 3/2006 values. This indicates that the S part of the dissolved phase plume in this area appears to be contracting to the N while the remainder of the plume in this area remains constant. None of the data indicates that the plume is expanding.

Benz time concent. for the wells located immed. adjacent to MW-1 or on the Eldridge property (irrigation wells, house well) are shown in Fig. 9. The concentrations in MW-1 and the irrig. well leveled out after an apprec. 1-yr decline. The concent. in the house well has remained consistent over the past 3 sample events. The pattern does not indicate that the dissolved phase plume is expanding in this area. Wells MW-A, 4 & 5 located N of the Huston-Eldridge boundary, remained relatively consistent.

All of the above relationships indicate that natural attenuation is stabilizing & removing hydrocarbs as they migrate away form the src. areas. There is no evidence of plume expansion.

Recommendations:

AEC recommends that a Q3 monitoring be completed and evaluated. The monitor freq. should then be decreased from qtly. to semi-annual if the data results do not vary appreciably. The potential for FPH removal will be evaluated based upon info. gathered during the Q3 monitor event. Recommendations on FPH will be provided as necessary separate from the monitor report. Michael Stewart PE (303-948-7733).

J-4-2 Release Site

Project Summary: J-4-2 Release Site
Unit C, Section 27 Township 19 South, Range 35 East

Summary date: October 10, 2006

Project history: Pipeline Leak

The release at this site was discovered in August 2005. EPI completed a limited soil cleanup and preliminary groundwater investigations between August 2005 and the first quarter of 2006.

A work plan proposing additional site characterization activities was submitted to the NMOCD. The site activities were completed in September 2006 and a report is currently being generated.

Current Project Status:

Preliminary evaluation of the data indicates that the groundwater plume has been defined beyond the limit of detectable concentrations. Additional activities will be proposed as necessary in the pending investigative report.

On 12/28/06, Stephen Weathers e-mailed a AEC Consultants site investigation rpt. (12/26/07). Water table elevations rose by 0.45 to 1 ft. FPH thickness in MW-2 declined from 0.57 to 0.15 between 2/06 and 9/06. Probably due to high precip. summer 2006. I~ 0.006 toward SE. Head at MW-2 slightly higher than at other wells. K~ 90 ft/day based on pump test. n! 0.15. Estimated GW velocity !3.6 ft/day or 1,310 ft/yr. All develop. and purge water was disposed of at the Linam Ranch facility by EPI. All cuttings generated during the drilling process will be stockpiled

and sampled and then disposed of in an appropriate fashion. Unaffected cuttings will be spread thin.

Final field activity completed was to measure physical properties of saturated mtls. Slug tests were completed on all wells that don't contain FPH to estim. saturated K.

Following recommendations from AEC (Michael Stewart 303-948-7733):

A passive bailer should be installed in MW-2 to attempt to remove mobile FPH. GW monitoring should be completed 3 more times on a qtly. basis to compile a data base based upon 4 seasons of measurements; Qtly repts should be generated based upon the results of the 4th qtr. 2006 and Q1 2007 monitor events; A comprehensive report will be compiled follow. completion of Q2 2007 monitor episode. This report. include recom. of both long-term monitor and , if necessary, implementation of active remediation; Additional charact. activities & active remediation activities will not be completed during this time interval unless data indicates hydrocarb. plume is expanding; the next GW monitor event is scheduled fro the Q4 2006.

On 12/20/06, John Furgerson (jmfergerson@grandecom.net) sent msg. that Trident Environ. a subcontractor of Duke's will be conducting monitor well gauging & GW sampling at 1300 MST Thursday, Dec. 21, 2006. They will measure SWLs in all MWs using an oil/water interface probe; purge non-product MW/RWs. Collect GW samples for BTEX; ship samples using COC protocol; and purge water will be disposed at a NMOCD approved facility.

X-line Site (1RP-400)

Project Summary: X line Release Site (1RP-400)
Unit B, Section 7 Township 15 South, Range 34 East

Summary date: October 10, 2006

Project history: Pipeline Release

The release at this site was discovered in January 2002. EPI completed soil cleanup and preliminary groundwater investigations the first quarter of 2002. A preliminary groundwater investigation was completed in May 2002.

The following remediation components were installed at the site:

· A free phase hydrocarbon (FPH) removal system was installed in MW-8 in July 2003. The system continued to function until the mobile FPH was removed.

· An air sparge (AS) system became operational in June 2003. The system was operated until hydrocarbon concentrations in the wells (except for the FPH collection well) were all measured below the method detection limits.

· A soil vapor extraction (SVE) system was also installed in June 2003. The SVE system operated regularly until August 2006. No FPH was present in the extraction well in September 2006.

Quarterly monitoring is completed at the site. The last monitoring episode was conducted in September 2006.

Current Project Status:

A report detailing the September 2006 activities at this site will be prepared when the analytical data is received and verified.

DEFS will evaluate the feasibility of initiating air sparge in the FPH recovery well to complete source recovery provided no additional FPH is measured in the well.

Received 4th qtr 2006 GW monitor report for pipeline release on January 30, 2007.

Received Q3 2006 GW monitor report from Stephen Weathers 303-605-1718)) for pipeline release on 12/18/06. X-Line pipeline release on the Etcheverry Ranch at 33 deg 02 min 11 sec, 103 deg 32 min 48 sec. MWs 1 through 8 sampled. SWLs reassured. Unfiltered samples were collected for BTEX. MW-8 is not included in hydrograph because casing elev. has not been established (see report for conclusions, etc.).

On 9/8/2006, Stephen Weathers (swweathers@duke-energy.com) sent Ben Stone the Q2 2006 GW monitor report located on the Etcheverry Ranch near Lovington, NM.

The report is missing and OCD needs another copy.

RR Ext, (AP-55)

Project Summary: RR Ext, (Abatement Plan AP-55)
Unit C, Section 19 Township 20 South, Range 37 East

Summary date: October 10, 2006

Project history:

DEFS initiated cleanup activities after a December 13, 2005 release. The spill was remediated, and a temporary well was drilled to groundwater during the first quarter of 2006. A sample from the well contained dissolved-phase hydrocarbons.

The NMOCD assigned the site an abatement plan number based upon the groundwater sample. A Stage 1 Abatement Plan Proposal was submitted to the NMOCD on or about May 26, 2006.

Current Project Status:

DEFS is waiting for approval for the Stage 1 Abatement Plan Proposal. DEFS will initiate the required activities following receipt of that approval

PCA Junction

Trisha Elizondo (ARCADIS) (Trisha.elizondo@arcadis-us.com)

On 1/17/07, notification that ARCADIS will be conducting mo. Product recovery and PCA Junction on 1/22-23/07. Routine product recovery is on going at site through hand bailing. MWs at 2 locations will be surveyed to help w/ GW flow & potentiometric surface.

Monument Booster Station (Gas Compression Facility)

Q3 2006 GW Monitor activities completed on 9/20/06 & submitted 1/30/07. Next monitor event Q1 2007. Next annual rpt. Prepared following completion of Q1 2007.
No measurable free-product was detected in any MWs. However, in the submittal is shows MWs 1 and 5 have free product at 1.6 and 0.55 inches? No BTEX detected in down-gradient boundary wells MW-3 and 4. No BTEX in up gradient MWs 1D and 2. MW-6 showed anomalously high levels of BEX. Will keep in mind next sample event for continuing trend.

On 11/1/2006, Daniel Dick 303-605-1893 (didick@duke-energy.com) submitted Annual GW Monitor Rpt. 2005-2006. A copy of the summary report for Q3 2005 and Q1 2006 GW sampling effort. Data indicates that the GW conditions remain stable. The next monitor episode was performed 9/2006. The next annual report for the site will be prepared following the completion of the Q1 2007 monitor activities & review & validation of he analytical results. FPH thick measurements on 3/16/06 for period since passive FPH collectors were removed at MW-1 (0.37 in.) and MW-5 (0.39). FPH thick may be declining in MW-1 and is stable at MW-5. None of the BTEX constituents were detected in downgrade boundary wells MW-3 and MW-4. BTEX was also not detected in upgrade wells MW-1D & 2. Hydrocarbs were detected in MW-7, but benz was only constituent above WQCC Stds. No sample has exceeded the WQCC Stds for TEX. Only MW-7 samples have exceeded for benz. Since 2/2000. Benz detection sporadic in all wells except MW-7 since 2/2000. BTX concentrations in MW-7 continue to fluctuate.

Further src. control activities should be postponed given the decreasing product thick in MW-1. The Next semi-annual gw monitor event is scheduled for Q3 2006. Reporting will continue on an annual basis unless unusual conditions warrant notification after the Q3 sampling event.

Attachment: DCP Midstream LP Related Facilities

Application No.	Application Type	Order No. (ex. GW-##)	Applicant	Facility	Environmental Permit Status	Rcvd	Order	Exp	legal	County	Reviewer	District	IssuingOff	Notes	Cleanup Status
pENV000GW0 0154	Discharge Plan Permit	143	DCP MIDSTREAM L.P.	DUKE CAL-MON CS	A	03/29/1993	05/14/1993	05/14/2008	J-35-23 S-31 E	Eddy	Chavez	Artesia	Santa Fe		
pENV000GW0 0242	Discharge Plan Permit	227	DCP MIDSTREAM L.P.	LG&E HADSON GILLESPIE/F EAGAN CS	I		12/28/1995	12/28/2005	A-24-17 S-35 E	Lea	Chavez	Hobbs	Santa Fe		
pENV000GW0 0331	Discharge Plan Permit	316	DCP MIDSTREAM L.P.	DUKE PAIGE CS	A	08/17/1999	01/06/2000	01/06/2005	O-4-21 S-32 E	Lea	Chavez	Hobbs	Santa Fe		
pENV000GW0 0326	Discharge Plan Permit	311	DCP MIDSTREAM L.P.	RAPTOR COTTON DRAW	A	01/15/1999	01/06/2000	01/06/2005	C-18-25 S-32 E	Lea	Chavez	Hobbs	Santa Fe		
pENV000GW0 0187	Discharge Plan Permit	176	DCP MIDSTREAM L.P.	DUKE BOOTLEG CS	A	10/27/1994	01/20/1995	01/20/2005	J-18-22 S-33 E	Lea	Chavez	Hobbs	Santa Fe		
pENV000GW0 0163	Discharge Plan Permit	152	DCP MIDSTREAM L.P.	DUKE WHITE CITY C.S.	C		12/13/1993		-10-24 S-26 E	Eddy	Chavez	Artesia	Santa Fe	Site is shut down-Llano to submit closure	
pENV000GW0 0228	Discharge Plan Permit	213	DCP MIDSTREAM L.P.	DUKE STRATA CS	A	07/18/1995	08/30/1995	08/30/2000	A-22-23 S-34 E	Lea	Chavez	Hobbs	Santa Fe	closure requested need picture and TPH analysis	
pENV000GW0 0156	Discharge Plan Permit	145	DCP MIDSTREAM L.P.	DUKE ZIA GAS PLANT & ZIA BOOSTER STATION	A		07/06/1993	07/06/2008	A-19-19 S-32 E	Lea	Chavez	Hobbs	Santa Fe	3 below grade tanks registered	
pENV000GW0 0303	Discharge Plan Permit	288	DCP MIDSTREAM L.P.	DUKE PARDUE CS	A	10/06/1997	11/24/1997	11/24/2007	J-10-23 S-28 E	Eddy	Chavez	Artesia	Santa Fe	need $400 fee + sign-off	
pENV000GW0 0178	Discharge Plan Permit	167	DCP MIDSTREAM L.P.	DUKE P & P Malaga CS	A	05/19/1994	07/25/1994	07/25/2004	G-3-24 S-28 E	Eddy	Chavez	Artesia	Santa Fe	need sign-offs	
pENV000GW0 0173	Discharge Plan Permit	162	DCP MIDSTREAM L.P.	DUKE ANTELOPE RIDGE GP	A	01/21/1994	04/04/1994	03/23/2004	O-15-23 S-34 E	Lea	Chavez	Hobbs	Santa Fe	rec DP App + $100 issued PN and Draft DP 1/23/04	
pENV000GW0 0171	Discharge Plan Permit	160	DCP MIDSTREAM L.P.	DUKE BRIGHTM FED CS	C	11/29/1993	01/14/1994		C-21-19 S-33 E	Lea	Chavez	Hobbs	Santa Fe	DP terminated 1/22/04	
pENV000GW0 0161	Discharge Plan Permit	150	DCP MIDSTREAM L.P.	DUKE PURE GOLD "28" CS	A		11/22/1993	11/22/2003	D-28-23 S-31 E	Lea	Chavez	Hobbs	Santa Fe	Rec DP application + $100 issued PN 1/23/04 & Draft DP	
pENV000GW0 0311	Discharge Plan Permit	296	DCP MIDSTREAM L.P.	DUKE CEDAR CANYON CS	A	03/23/1998	07/15/1998	07/15/2008	P-9-24 S-29 E	Eddy	Chavez	Artesia	Santa Fe		
pENV000GW0 0252	Discharge Plan Permit	237	DCP MIDSTREAM L.P.	DUKE PECOS DIAMOND GP	A	02/05/1996	03/29/1996	03/29/2011	G-3-18 S-27 E	Eddy	Chavez	Artesia	Santa Fe		1 below grade tank registered

pENV000GW0 0254	Discharge Plan Permit	239	DCP MIDSTREAM L.P.	Duke QUINN CS	A	03/08/1996	08/09/1996	08/09/2011	L-16-31 N-8 W	San Juan	Chavez	Aztec	Santa Fe	DP w/ filing fee process, renewed, issued with letter mailed out 10/23/2006. Received $1700 fee 10/26/06. Signed DP received 1-11 07 Ok.	
pENV000GW0 0088	Discharge Plan Permit	77	DCP MIDSTREAM L.P.	Duke MIDDLE MESA CS	A	04/10/1991	11/14/1991	11/14/2006	M-10-31 N-7 W	San Juan	Chavez	Aztec	Santa Fe		
pENV000GW0 0002	Discharge Plan Permit	2	DCP MIDSTREAM L.P.	LEE GP	A	11/13/1995	03/16/1981	03/16/2011	N-30-17 S-35 E	Lea	Chavez	Hobbs	Santa Fe		
pENV000GW0 0009	Discharge Plan Permit	9	DCP MIDSTREAM L.P.	EUNICE CS	C	10/06/1988	10/11/1983		-5-21 S-36 E	Lea	Chavez	Hobbs	Santa Fe	GW-009 vacated and merged into GW-16 OCT 8, 1993	
pENV000GW0 0016	Discharge Plan Permit	15	DCP MIDSTREAM L.P.	DUKE LINAM RANCH GP	A	05/17/1989	04/25/1984	04/25/2009	-6-19 S-37 E	Lea	Chavez	Hobbs	Santa Fe	1 below grade concrete tank registered	
pENV000GW0 0017	Discharge Plan Permit	16	DCP MIDSTREAM L.P.	DUKE EUNICE GP	A	04/13/1989	04/25/1984	04/25/2009	H-5-21 S-36 E	Lea	Chavez	Hobbs	Santa Fe	10 below grade tanks + 1 sulphur pit registered	
pENV000GW0 0024	Discharge Plan Permit	23	DCP MIDSTREAM L.P.	GPM ARTESIA GP	A	01/17/1995	07/01/1985	07/01/2010	-7-18 S-28 E	Eddy	Chavez	Artesia	Santa Fe	call&E-mail 1/07/2000 120 day notice. Late flat fee notice sent 1/11/02 Flat fee received 1/29/02	1 classifier, 5 sumps, 1 sulphur pit, 2 below grade tanks registered (Flare Pit Soil Remediation & Closure Workplan)
pENV000GW0 0025	Discharge Plan Permit	24	DCP MIDSTREAM L.P.	DUKE AVALON GP	I	06/15/1990	09/18/1985	09/18/2005	J-9-21 S-27 E	Eddy	Chavez	Artesia	Santa Fe	Notice of late flat fee sent 1/11/2002.	
pENV000GW0 0044	Discharge Plan Permit	42	DCP MIDSTREAM L.P.	GPM INDIAN HILLS GP	I		07/20/1987		L-13-21 S-25 E	Eddy	Chavez	Artesia	Santa Fe	Letter from Duke, dated 12/10/01, notifying site is inactive.	
pENV000GW0 0149	Discharge Plan Permit	138	DCP MIDSTREAM L.P.	DUKE TRACHTA CS	C		04/30/1993		-14-23 S-28 E	Eddy	Chavez	Artesia	Santa Fe	Facility is inactive	

pENV000GW0 0079	Discharge Plan Permit	69	DCP MIDSTREAM L.P.	DUKE CARLSBAD GP	A	12/28/2006	04/29/1992	04/29/2012	G-10-23 S-28 E	Eddy	Chavez	Artesia	Santa Fe	Public Notice prepared 1/15/02. Request for additional information sent 1/2/02. Received $100 filing fee & renewal on 12/28/06.	4 sumps registered
pENV000GW0 0189	Discharge Plan Permit	178	DCP MIDSTREAM L.P.	DUKE WON TON CS	C		03/21/1995	03/21/2005	I-10-17 S-37 E	Lea	Chavez	Hobbs	Santa Fe	1 below grade tank registered	
pENV000GW0 0138	Discharge Plan Permit	127	DCP MIDSTREAM L.P.	DUKE MAGNUM C.S.(BURTO N FLATS GP)	A	08/10/1992	02/03/1993	02/03/2008	G-9-20 S-29 E	Eddy	Chavez	Artesia	Santa Fe	1 below grade tank registered as sump	
pENV000GW0 0139	Discharge Plan Permit	128	DCP MIDSTREAM L.P.	DUKE PAIGE CS	A	08/11/1992	11/19/1992	11/20/2007	O-4-21 S-32 E	Lea	Chavez	Hobbs	Santa Fe	6 mo. Renewal notice sent 7/10/02; renewal application received	
pENV000GW0 0148	Discharge Plan Permit	137	DCP MIDSTREAM L.P.	DUKE CARRASCO CS	A		04/28/1993	04/28/2008	F-14-23 S-28 E	Eddy	Chavez	Artesia	Santa Fe	1 skid sump registered	
pENV000GW0 0150	Discharge Plan Permit	139	DCP MIDSTREAM L.P.	DUKE CP-1 CS	C		04/28/1993		I-15-23 S-28 E	Eddy	Chavez	Artesia	Santa Fe	Site Inactive, requested closure workplan 1/10/03, WP approved, Closure Approved 10/15/2003	
pENV000GW0 0153	Discharge Plan Permit	142	DCP MIDSTREAM L.P.	DUKE SAND DUNES CS	A	03/26/1993	05/17/1993	05/17/2008	P-23-23 S-31 E	Eddy	Chavez	Artesia	Santa Fe	1 below grade tank registered	
pENV000GW0 0155	Discharge Plan Permit	144	DCP MIDSTREAM L.P.	DUKE NORTH (WESTALL) CS	A	05/05/1993	08/19/1993	08/19/2008	E-35-22 S-28 E	Eddy	Chavez	Artesia	Santa Fe	Renewal application dated 4/3/03 renewal on hold pending legal determination	1 below grade tank registered
pENV000GW0 0179	Discharge Plan Permit	168	DCP MIDSTREAM L.P.	DUKE SOUTH FEAGAN CS	C	07/06/1994	12/28/1994	12/27/2004	N-31-19 S-25 E	Eddy	Chavez	Artesia	Santa Fe	Late filing fee and flat fee notice sent 1/11/02. Flat fee received 1/29/02.	
pENV000GW0 0188	Discharge Plan Permit	177	DCP MIDSTREAM L.P.	DUKE MALJAMAR CS	C		03/21/1995	03/21/2005	I-20-17 S-33 E	Lea	Chavez	Hobbs	Santa Fe		
pENV000GW0 0046	Discharge Plan Permit	44	DCP MIDSTREAM L.P.	HOBBS BOOSTER CS	A		12/23/1987	12/23/2007	-4-19 S-38 E	Lea	Chavez	Hobbs	Santa Fe	renewal notice sent 7/10/02	

pENV000GW0270	Discharge Plan Permit	255	DCP MIDSTREAM L.P.	Duke BUENA VISTA CS	A	07/15/1996	09/05/1996	09/05/2011	B-13-30 N-9 W	San Juan	Chavez	Aztec	Santa Fe	DP renewed, issued with letter mailed out 10/23/2006. Received $1700 on 10/26/2006. Signed DP received on 1/11/2007. Ok.	
pENV000GW0273	Discharge Plan Permit	258	DCP MIDSTREAM L.P.	Duke CEDAR HILL CS	A	07/30/1996	09/30/1996	09/30/2011	-29-32 N-10 W	San Juan	Chavez	Aztec	Santa Fe	DP renewed, issued with letter mailed out 10/23/2006. Permit fee of $1700 received on 10/26/2006. Signed DP received on 1/11/07. Ok.	
pENV000GW0292	Discharge Plan Permit	277	DCP MIDSTREAM L.P.	CSI - BIG EDDY LATERAL#1 CS	A		02/17/1997	02/17/2007	A-19-21 S-28 E	Eddy	Chavez	Artesia	Santa Fe	Taken over by Duke Energy. Received DP renewal letter dated 10/19/2006 w/ $100 filing fee. Mailed out final permit 9/16/06. Awaiting $1700 Compressor Station fee.	1 below grade tank registered
pENV000GW0174	Discharge Plan Permit	163	DCP MIDSTREAM L.P.	DUKE APEX CS	A		04/29/1999	04/29/2004	C-36-18 S-36 E	Lea	Chavez	Hobbs	Santa Fe	request GW info and DP renewal by 12/01/04	
pENV000GW0186	Discharge Plan Permit	175	DCP MIDSTREAM L.P.	DUKE HOBBS GP	A		01/09/1995	01/09/2005	G-36-18 S-36 E	Lea	Chavez	Hobbs	Santa Fe	Request DP renewal and GW info BY 12/01/04	
	1RP-401-0		DCP MIDSTREAM L.P.	C-line Release Site (1RP-401-0)					O-31-19 S-37 E	Lea	?	Hobbs	Santa Fe	Meeting w/ company 2/1/07	
	AP-33		DCP MIDSTREAM L.P.	Eldridge Ranch					P-21-19 S-37 E	Lea	?	Hobbs	Santa Fe	Meeting w/ company 2/1/07	
			DCP MIDSTREAM L.P.	J-4-2 Pipeline Release Site					C-27-19 S-35 E		?	Hobbs	Santa Fe	Meeting w/ company 2/1/07	
	1RP-400		DCP MIDSTREAM L.P.	X-line Pipeline Site (1RP-400)					B-7-15 S-34 E		?	Hobbs	Santa Fe	Meeting w/ company 2/1/07	

	AP-55		DCP MIDSTREAM L.P.	RR Ext, (AP-55)					C-19-20 S-37 E		?	Hobbs	Santa Fe	Meeting w/ company 2/1/07	
	2R-043		DCP MIDSTREAM L.P.	PCA Junction					11-20 S-30 E		?	Hobbs	Santa Fe	Meeting w/ company 2/1/07	
	1R-156		DCP MIDSTREAM L.P.	Monument Booster Station					B-33-19 S-37 E (32.6238 -103.2550)		?	Hobbs	Santa Fe	Meeting w/ company 2/1/07	

Project Summary: Eldridge Ranch, (Abatement Plan AP-33)
(Unit P, Section 21, Township 19 South, Range 37 East)

Summary date: October 10, 2006

Project history: Pipeline Release

DEFS initiated investigative activities in June 2002 following notification by NMOCD. Site characterization activities were largely completed by the fourth quarter of 2003. The boundaries of detectable hydrocarbons have been delineated.

DEFS submitted the Stage 1 Abatement Site Investigation Report (ASIR) on February 11, 2004 to the New Mexico Oil Conservation Division (OCD). In the ASIR, DEFS committed to continuing two activities (groundwater monitoring and free phase hydrocarbon (FPH) removal) independent of the ASIR review timeframe. The OCD has not commented on the ASIR. Groundwater monitoring and FPH removal activities continue on a regular basis.

Current Project Status:

FPH recovery has been attempted at the site with limited results. The FPH at the site is generally limited in thickness to less than one foot. In addition, the FPH appears to be relatively immobile based upon the inability of the automatic collection systems to collect the liquids.

The hydrocarbon plume has been delineated to below the method detection limits. There is no evidence of plume expansion; however, concentrations the interior of the plume appear to exhibit nominal increases and decrease in response to seasonal precipitation.

Groundwater monitoring continues at the site on a quarterly basis. Site monitoring could be decreased to semi-annual without jeopardizing environmental impacts. FPH removal continues as site conditions warrant.

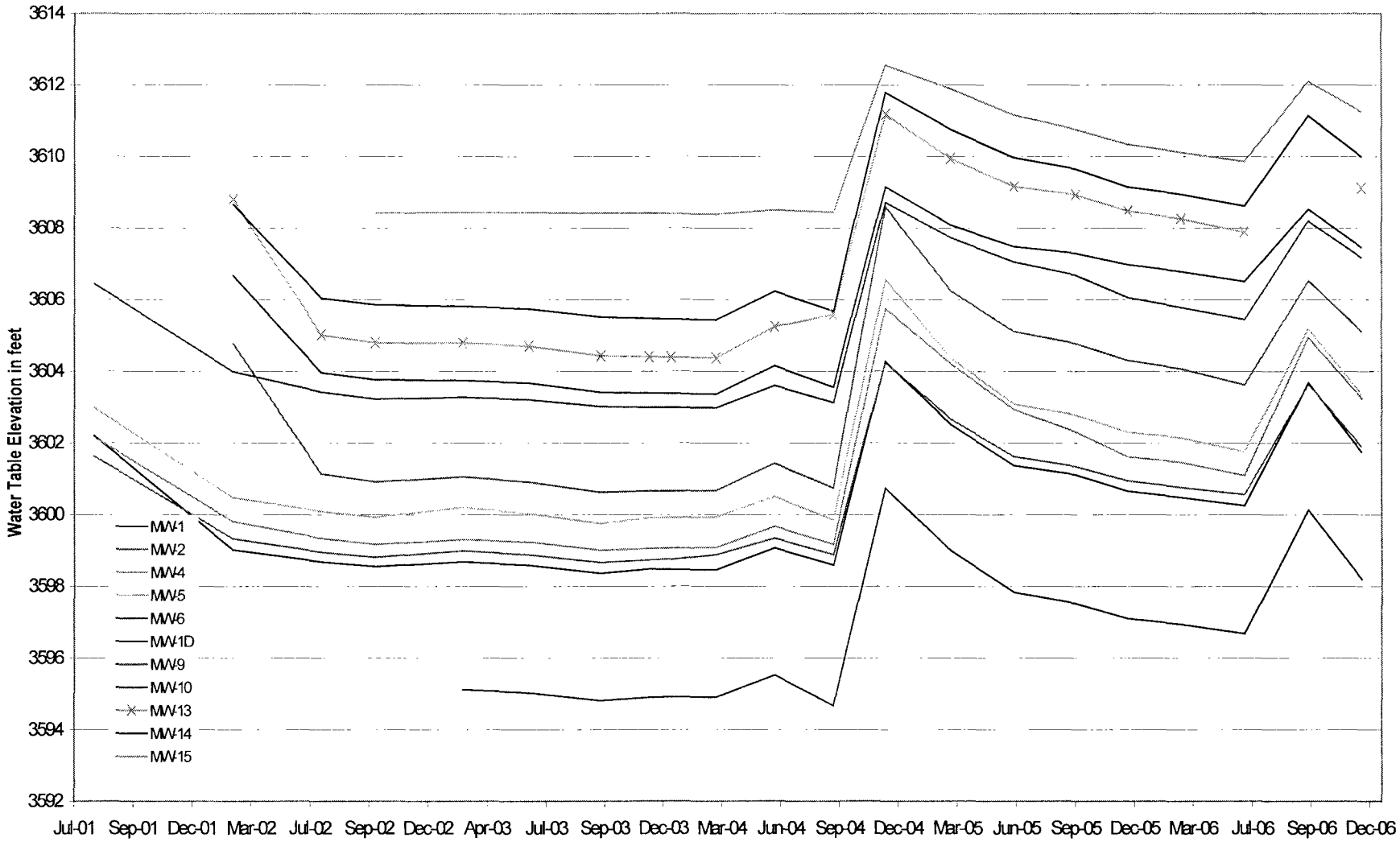


Figure 3- Hydrographs for Wells with Longer Periods of Record

DCP Eldridge Study Area

dcp Midstream

DRAWN BY: MHS

DATE: 1/07

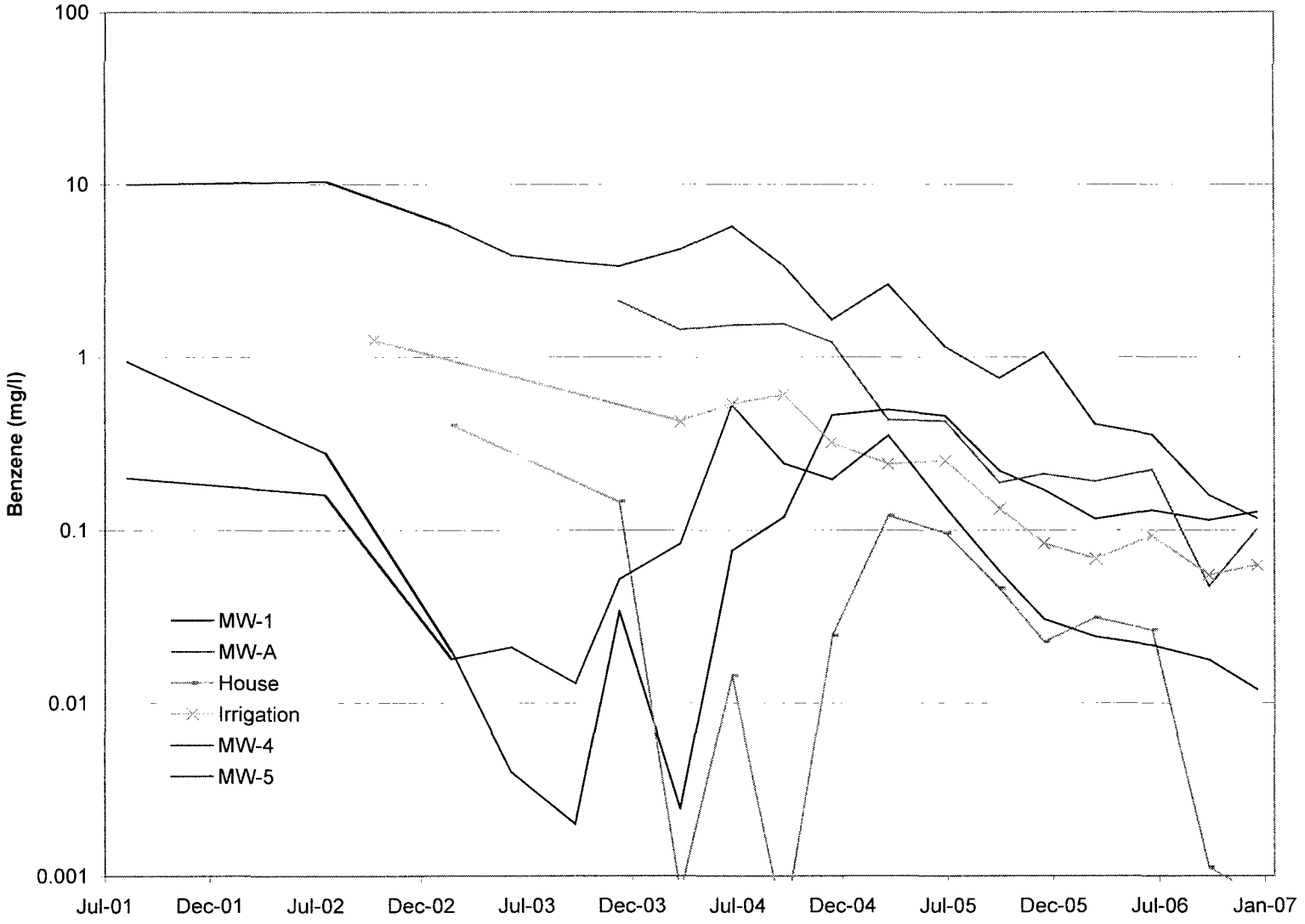
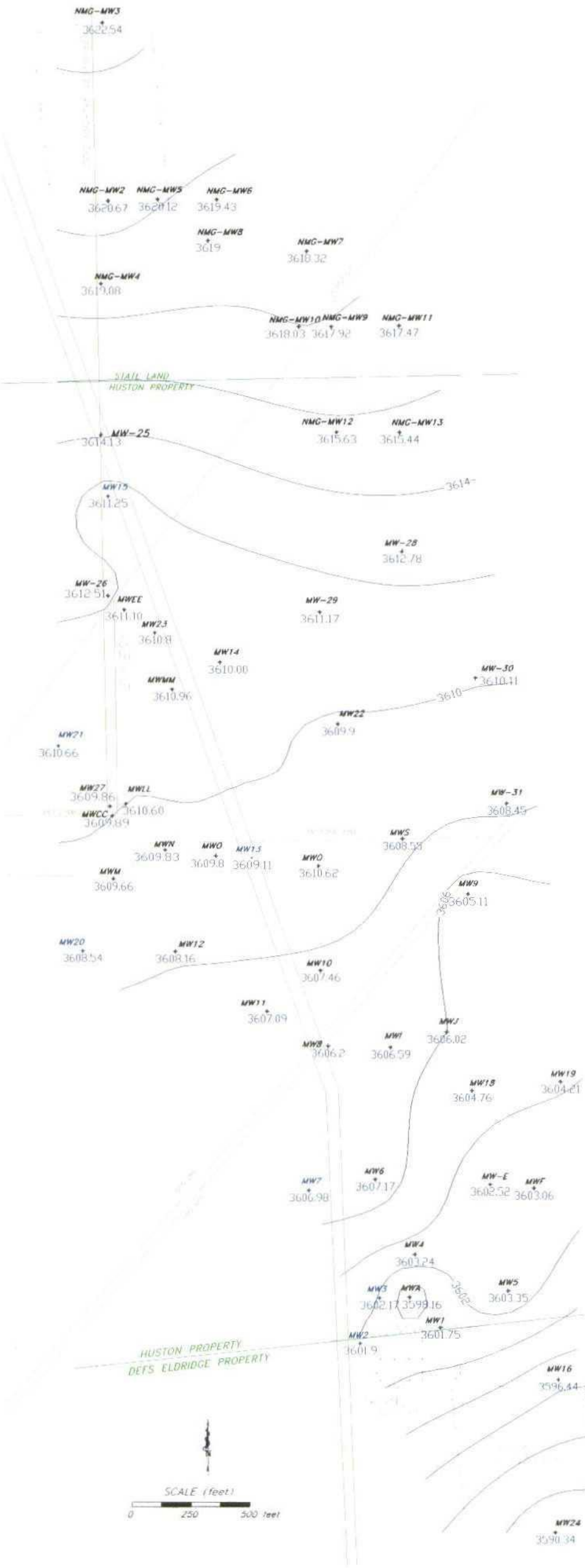


Figure 9 - Concentration-Time Graphs for Wells Within or North of the DCP Eldridge Property

DCP Eldridge Study Area

DRAWN BY: MHS

DATE: 1/07



Contour interval is 2 feet
Wells shown in blue are used for fluid measurement only

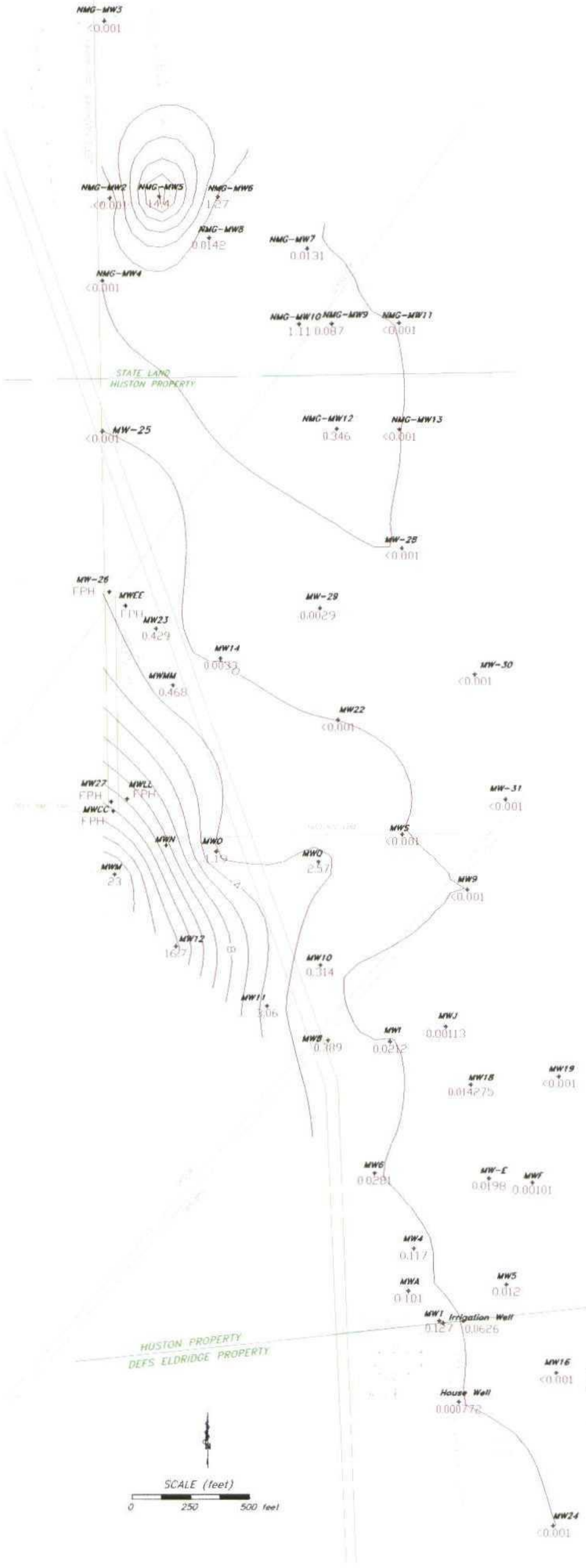
Figure 4 – December 2006 Water Table Contours

DCP Eldridge Study Area

dcp Midstream

DRAWN BY: MHS

DATE: 1-07



NOTES

1) Contour interval is 2 mg/l
2) Wells containing free phase hydrocarbons are denoted as FPH and were not sampled
3) Duplicate values were averaged together

Figure 6 – December 2006 Benzene Isopleths

DCP Eldridge Study Area

dcp Midstream

DRAWN BY: MHS

DATE: 1-07

SID RICHARDSON
ENERGY SERVICES CO.

201 MAIN STREET, SUITE 3000
FORT WORTH, TEXAS 76102-3131
817 / 390-8685
FAX 817/339-7394
EMAIL: rlgawlik@sidrich.com

ROBERT L. GAWLIK
Manager, Environmental
Health & Safety

Certified Mail – Return Receipt
7003 1680 0001 6996 6189

February 23, 2004

New Mexico Oil Conservation Commission
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Attn: William C. Olson

Re: **Eldridge Ranch Site**
Monument, New Mexico

Dear Mr. Olson:

As per your request for information pertaining to Sid Richardson Energy Services Co.'s pipeline in Sections 16 and 21 of Township 19 South, Range 37 East, in Lea County, New Mexico, please find the attached report.

Provided in the attachment are the five categories of information that you requested. The information provided is as follows:

- A description of the history of the operations
- Maps showing the location of SRES system operations in relation to other operator systems in the same area
- The nature of the fluids transported in the pipeline
- The history and results of all pipeline integrity testing
- The history and locations of any leaks and spills from the pipeline, and the results of any remedial actions

In addition we have provided the following:

- Topography map 1000' scale
- Topography map 4000' scale
- Piping drawings of each site excavated (figures 1-3)
- Photos of each location prior to and after excavation

Please note that all the information we have indicates that Sid Richardson Energy Services Co. pipelines could not have caused or contributed to the groundwater contamination in Sections 16 and 21 of Township 19 South, Range 37 East, in Lea County, New Mexico.

We appreciate your cooperation in granting us an extension in providing you with the requested information. If there is anything further that is required, please do not hesitate to contact Tony Savoie (505-395-2116) or me.

Regards,

Robert L. Gawlik
Environmental Health and Safety Manager

08-04

c: Mr. Chris Williams, OCD Hobbs District Office
Randall Dunn, Lea County office
MRR/WJF/WAW/HH/File
Mr. Bob Grable, Kelly, Hart & Hallman

Byron Chandler
Transportation - West
Environmental Coordinator
P.O. Box 1267
Ponca City, OK 74602-1267
Phone: (580) 767-4081

ConocoPhillips

February 19, 2004

CERTIFIED MAIL, Return Receipt Requested

New Mexico Oil Conservation Division (NMOCD)
Attn: Mr. William C. Olson
1220 South St. Frances Drive
Santa Fe, NM 87505

RE: Response to Request for Information
Related to the Eldridge Ranch Site
ConocoPhillips Company (COP)
Ponca City, Oklahoma

Dear Mr. Olson:

ConocoPhillips Company is providing the following response to the request for information received from the NMOCD in a letter dated January 7, 2004. The response covers pipeline operations at the Eldridge Ranch site located in Section 16 and Section 21 of Township 19 South, Range 37, East, Lea County, New Mexico.

1. A description of the history of the operations.

   Response: The line known as Line 80-12 was installed in 1968. It is a 4 inch line that transports natural gas liquids (NGL) from the Artesia Plant to our Gaines facility.

2. A map showing the location of the system operations in relation to other systems.

   Response: A map showing Line 80-12 is attached. Note that Line 80-12 transects Section 16 from West to East near the center. The line does not transect Section 21.

3. The nature of the fluids transported in the pipeline.

   Response: The Line 80-12 has been used to transport natural gas liquids (NGL). Water was used to hydrostatically test the pipeline in July, 1987.

4. The history and results of all pipeline integrity testing.

   Response: A copy of a hydrostatic test that was performed July 23 and 24, 1987 is enclosed. A pressure leak was noted during the test and was repaired prior to completing the hydrostatic test.

5. The history and locations of any leaks and spills from the pipeline, and the results of any associated remedial actions.

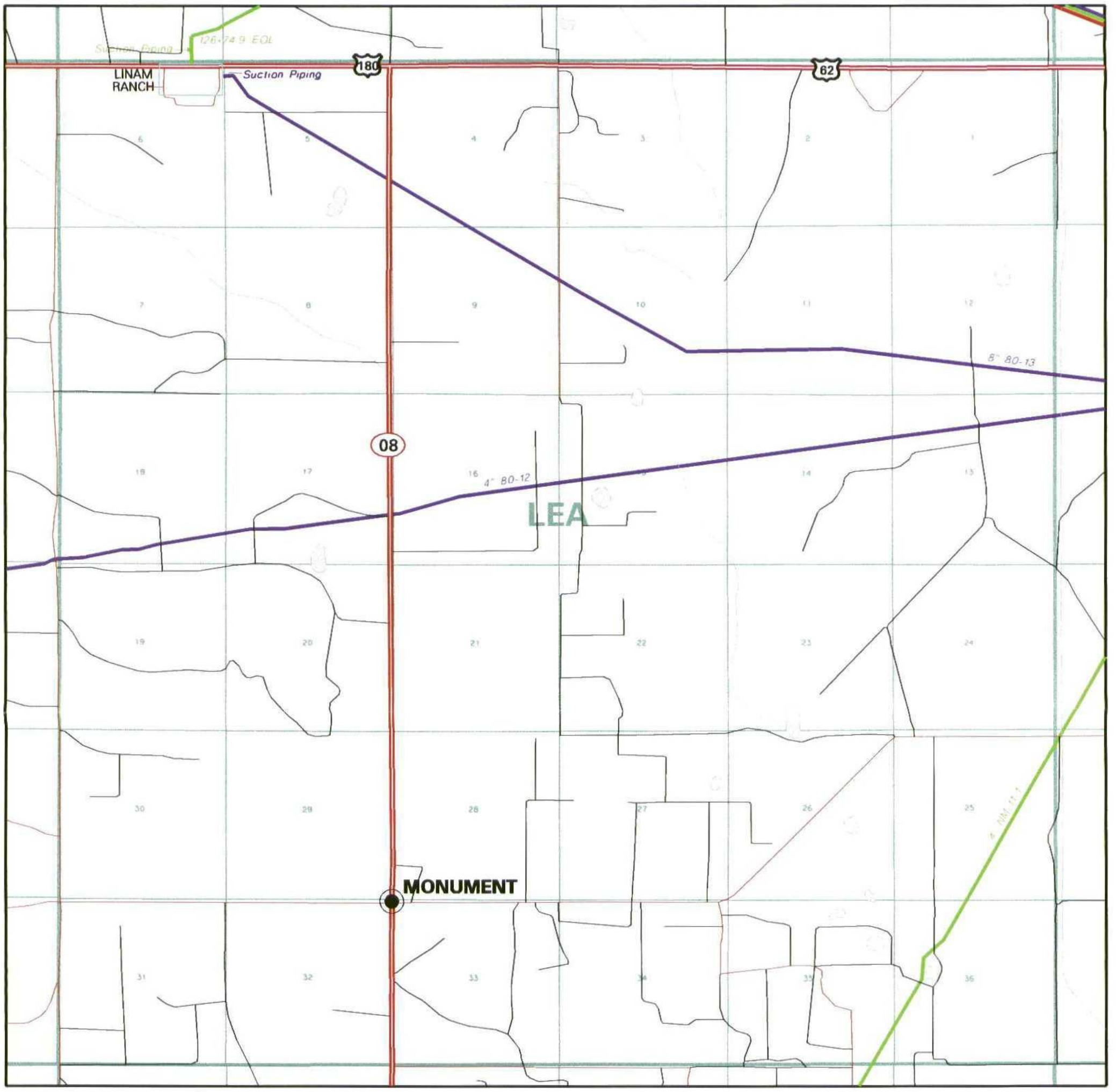
   Response: A thorough search of COP leak records and remediation files along with interviews with operations staff for Line 80-12, indicates that COP has not had any leaks or remedial actions associated with operation of Line 80-12.

If you have any questions or require additional information, please give me a call at (580) 767-4081.

Sincerely,

Byron Chandler

cc: Chris Williams, OCD Hobbs District Office, CERTIFIED MAIL, Return Receipt Requested



T19S R37E

LEGEND

- SWEET CRUDE LINES
- SOUR CRUDE LINES
- NGL LINES
- PRIMARY PAVED ROADS
- SECONDARY PAVED ROADS
- LIGHT DUTY ROADS (GRAVEL, DIRT, ETC.)
- CREEKS, RIVERS, LAKES

REVISED: 01/06/00

Dynegy Midstream Services, Limited Partnership
6 Desta Drive, Suite 3300
Midland, Texas 79705
Phone 432.688.0555 • Fax 432.688.0552

DYNEGY

February 18, 2004

RECEIVED

FEB 23 2004

Oil Conservation Division
Environmental Bureau

Mr. William Olson
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Eldridge Ranch Site
Monument, NM
Case # 1R0334

Dear Mr. Olson:

Dynegy Midstream Services, L. P. (DMS) received your letter dated January 7, 2004 requesting information on DMS operations within Section 16 and 21 of Township 19 South, Range 37 East, Lea County, New Mexico.

DMS operations on the property involve gathering natural gas via pipelines from well-site producers. This gas is processed at the DMS Monument Plant located 3.5 miles SW of Monument, NM. DMS does not operate or own any liquid pipelines on this property.

DMS operates a 6-inch poly gathering line that runs North and South along the western edge of both sections and an out-of-service 6-inch inserted poly line running NE by SW through the NW/4 of Section 21. Due to the low-pressure gas service of these poly lines they are not probable causes for liquid impacts. DMS also owns an out-of-service 3-inch steel line located in on the northern edge of the SW/4 of Section 21. Note the exact line locations on the enclosed map.

There are no fluids transported in any of the lines, although in certain conditions a small amount of liquid phase natural gas liquids can be entrained with the gas.

DMS was notified by the OCD Hobbs District Office in November 27, 2000 that there was a possible groundwater contamination impact on the property approximately ¾ mile SE of the DMS lines and requested DMS to test the mechanical integrity of the pipelines that could have been a potential source.

DMS pressure tested the 8-inch steel line located in section 21 between Valve 1 and Valve 2 on February 1, 2001. This test was witnessed by Mr. Gary Wink of the District Office. The line demonstrated integrity with no pressure loss. Find a copy of the recording chart enclosed.

In section 21 there is a section of 3-inch steel pipe that is inactive. There appeared to be a historic leak site located in an excavation along the line. The site and entire line was investigated for environmental impacts by conducting nine (9) soil borings along the line length. This investigation report and request for closure was submitted to Mr. Olson dated May 14, 2001. The closure was approved in a memo dated December 27, 2001.

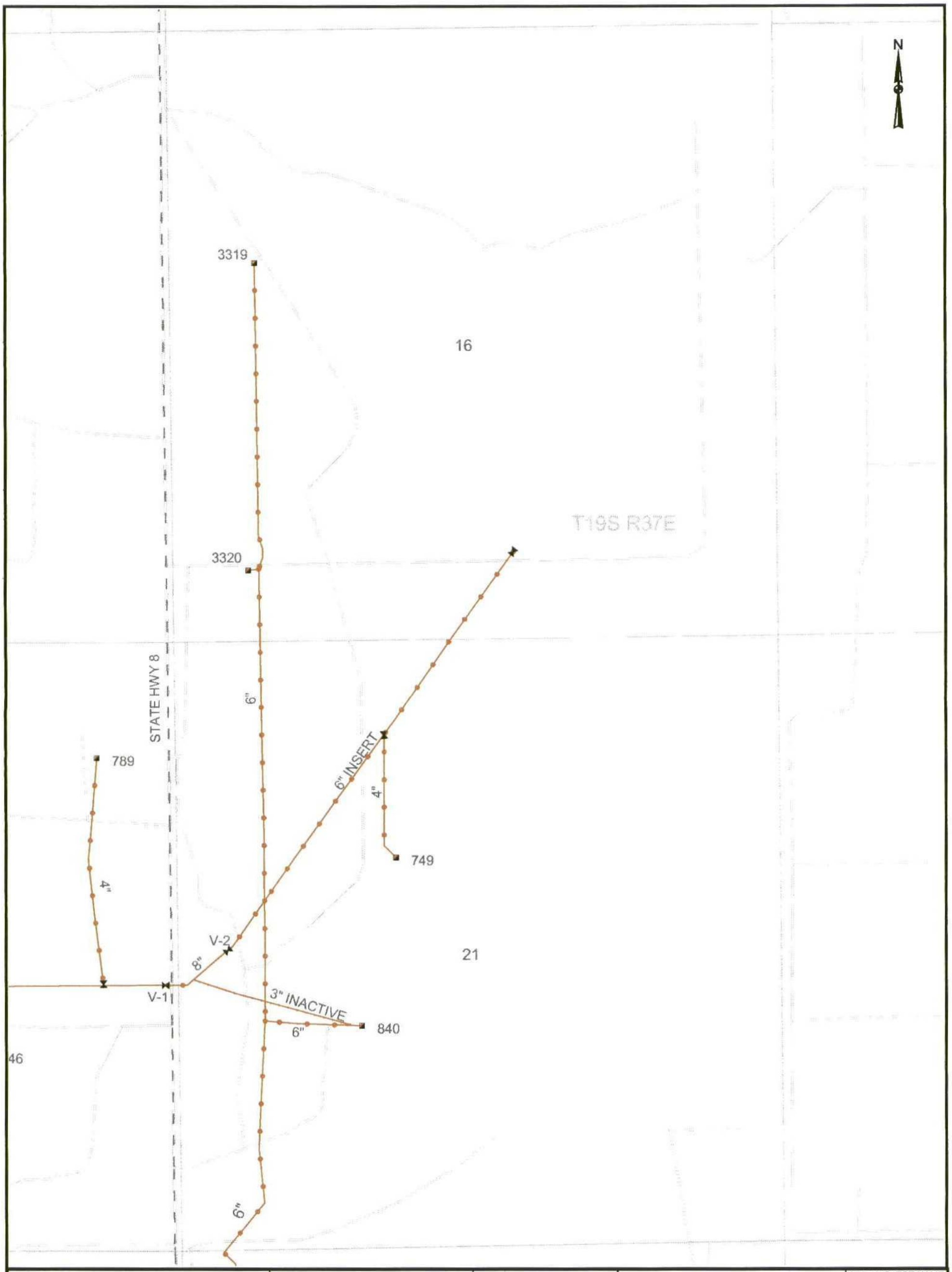
On December 12, 2002 a pinhole gas leak was discovered on the 8-inch steel. The leak was investigated by soil samples and soil borings done by Larson & Associates. The investigation report and closure request dated November 21, 2003 was submitted to Mr. Paul Sheeley at the District Office. Find a copy of the Report enclosed.

Based on our knowledge of this system and the soil investigations Dynegy has no reason to suspect that any of the soil or groundwater contamination in this area was the result of a Dynegy pipeline leak.

Sincerely,

Cal Wrangham
ES&H Advisor
Permian Basin Region

Cc: Chris Williams/OCD Hobbs District w/o attachments
J. D. Morris/Dynegy w/o attachments
James Lingnau/Dynegy w/o attachments
Dave Harris/Dynegy w/o attachments



LINE AND SYMBOL LEGEND	LINE CONTENT	GRAPHIC SCALE
LOW PRESSURE	NATURAL GAS	0 400 800 Feet
PLASTIC LINE	SOUR GAS	(1"= 800')
VALVE	LIQUIDS	
METER DOL	FUEL	
METER SETTING	PRODUCER LINE	

DYNEGY

APR PROJECT NAME: VSG34B

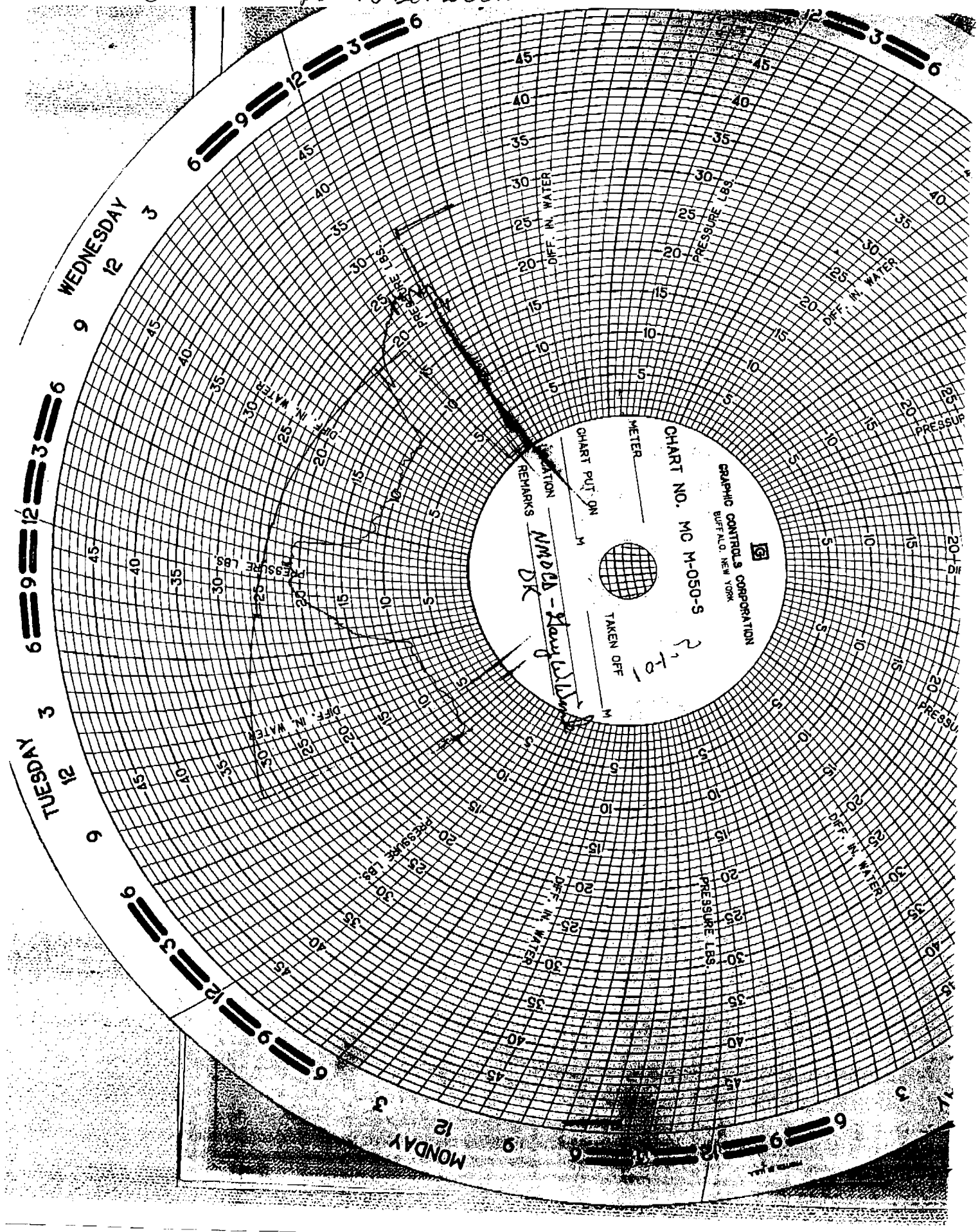
DRAWING NUMBER: 120-3034-B

REVISION:

SOUTH VERSADO GATHERING SYSTEM
T19S R37E SEC. 16 & 21
LEA COUNTY, NM

G:\CAD\SOUTH VERSADO\APR\VSG34B.APR

8" Steel Pipeline between V-1 and V-2



PHILLIPS PIPE LINE COMPANY
BARTLESVILLE, OK 74004

HYDROSTATIC TEST DATA SHEET

NAME OF LINE TESTED Lusk To Gaines Line "80-12" TEST NO. _____

SECTION TESTED: MP 21 STA 44+30 To MP 44 STA 30+69

PUMP STATION OPERATING PRESSURE 1440 PSIG 125% X OPER. PRESS. 1800 PSIG

REQUIRED TEST PRESSURE AT TEST STATION 1889 PSIG TEST MEDIUM Water

PIPE MATERIAL SPECIFICATION:

4.500 " O.D. .156 " WALL, GRADE 5LX-42 MFG. Tex Tube 100% SMYP 2912 PSIG

" O.D. " WALL, GRADE _____ MFG. _____ 100% SMYP _____ PSIG

" O.D. " WALL, GRADE _____ MFG. _____ 100% SMYP _____ PSIG

LOCATION	MP	STA.	ELEV.	TEST PRESS	% SMYP	MINIMUM	% SMYP
TEST STA.	44	30+69	3570 '		%	1927	66.2 %
PUMP STA.	0	0+00	'		%		%
HIGH POINT	26	39+60	3775 '		%	1838	63.1 %
LOW POINT	44	30+69	3570 '		%	1927	66.2 %

TIME AND DATE TEST STARTED: 6:00 PM July 23, 1987

TIME AND DATE TEST ENDED: 2:00 AM July 24, 1987

LOCATION AND TYPE OF FAILURE 1 - Seeper (Old Tap on Line) MP24 19+50

DRAWINGS & CHARTS ATTACHED: PRESSURE X TEMPERATURE X PROFILE X

DEAD WEIGHT TEST: BEFORE TEST _____ WHEN DESIRE PRESSURE IS REACHED X

AFTER TEST X DEAD WEIGHT PERFORMED BY Ferguson Construction

LENGTH OF TEST SECTION 22.742 MILES. VOLUME OF SECTION TESTED 2045.0 BBLS.

TEMPERATURE VARIATION DURING TEST: AMBIENT -19 °F PIPE -8 °F

TEST PERFORMED BY PPLCo; P66Co; Ferguson Const; Rice Engr.

DISPOSAL OF TEST MEDIUM Brine Pond - Gaines Station

REMARKS: AFE OL-8012

MAOP = 1440 psi Based on 600# Flanges

4" Segment Pearl Queen To Gaines

M 1988

COMPANY REPRESENTATIVE

FORM 9866-N 1-81

RICE Engineering Corporation

122 WEST TAYLOR TELEPHONE (505) 393-9174

HOBBS, NEW MEXICO 88240

SUMMARY

Hydrostatic Test
Phillips Pipeline Company
Pearl Queen to Gaines Co. Booster 4" "80-12"
Existing line to be refitted and tested to DOT specifications

Contractors: Ferguson Construction provided the test equipment and personnel. Rice Engineering Corporation witnessed the test. Pumping services were provided by A. A. Oilfield Service.

Personnel: Rice Engineering Corporation's representative was Jerry Hillard. Phillips Petroleum was represented by Dick Lassiter and Pete Webb with Phillips Pipeline represented by Dan Muller.

Instruments:

Dead weight gauge	Chandler Engineerig Co.	#8071
Line Pressure Recorder	Cliff Mock	#MF6-1960
Pipe temperature	Barton	#202-A-11786
Ambient temperature	Barton	#265-A-4666

The pipe temperature probe was placed on the line approximately 30' west of the test header. The ambient temperature probe was located under the test trailer 30' south of the test header and end of line.

Chronology:

7/21/87:

5:30 PM	Arrived at Gaines Co. Booster Station. Line had been loaded and pressuredto 1260 psi. Had prior trouble pumping through line. Removed and repaired plugged section. Pressure was monitored at both ends to insure complete pressurization.
5:40 PM	Began pressurization to 1400 psi.
5:55 PM	Began pumping/stroke count for yield curve at 1430 psi.
6:12 PM	Stopped pumping at test pressure of 1930 psi.
7:15 PM	Repressured line from 1890 to 1950 psi. Had high initial drop in pressure.
7:30 PM	Pressure had declined to 1925 psi.
8:00 PM	Pressure down to 1919 psi. Began search for seeper. (Failure #1).
9:30 PM	Left location.

7/22/87:

6:30 PM	Arrived location. Was informed that had inconclusive

data on leak. Indicated possible seeper between Highway 8 and Pearl Queen Junction. A large quantity of air was bled from the east end of the line. (Highway 18 to Gaines Co. Booster). It was decided to attempt a test.

7:45 PM Began pressurization and stroke count at 1810 psi.
7:50 PM At test pressure of 1930 psi. Stop pumping.
8:00 PM Pressure had fallen to 1907 psi.
8:15 PM Pressure down to 1900 psi.
8:30 PM Pressure down to 1897 psi.
8:36 PM Repressure from 1895 to 1940 psi.
8:41 PM Pressure down to 1935 psi.
8:45 PM Pressure down to 1932 psi.
9:00 PM Pressure down to 1926 psi.
Began closing valves to locate seeper. (Failure #1).
9:25 PM Left location.

7/23/87:

4:00 PM Arrived location, final repairs in progress. Replaced spools with valves on header.
5:00 PM Opened valves on line equalized pressure. Pressured line to 1380. Shut down for surge to die.
5:15 PM Began pressurization and stroke count at 1410 psi.
5:39 PM Stop pumping at test pressure of 1945 psi. Pressure fell immediately to 1915 psi.
5:45 PM Repressure from 1915 psi to 1950 psi.
5:47 PM Stop pumping at 1950 psi.
5:52 PM Pressure down to 1927 psi.
6:00 PM On test at 1927 psi.

7/24/87:

2:00 AM Test complete 8 hours at 1942 psi.

There was a net change in pipe temperature of 8° loss and a 19° loss in ambient temperature. There was a gain in pressure of 16 psi with a loss of 1 psi during the last hour. I feel that the gain in pressure was caused by the lag in cooling of the pipe in relation to the ambient temperature drop.

Certification Statement

I certify that all records, charts, logs and related discussions of the test of the Gaines County Booster to Pearl Queen 4" pipeline belonging to Phillips Pipeline Company are correct to the best of my knowledge and that in my judgment the data indicates a competent line condition during the test.

Jerry D. Hillard, P.E.
N.M. #9993

August 5, 1987

Jerry D. Hillard

FILL LOG

HYDROSTATIC TEST - PHILLIPS Pipeline COMPANY

TEST NO. _____ DATE 7/21/87 AFE OL-8012

DESCRIPTION OF LINE 4" Gaines Co Booster to Pearl Queen

SECTION FILLED: MP 21 STA 96+00 , TO MP 04 STA 30+69

FILL EQUIPMENT AT: MP _____ STA _____ TEST MEDIUM _____

SOURCE OF FILL MEDIUM City Water

TEST CONTRACTOR Ferguson Construction

FILL PUMP SPECIFICATION _____

GAL/STROKE _____ , FILL RATE _____ GPM

PUMP STARTED	PUMP STOPPED	ACCUMULATED VOLUME GALS.	MEDIUM TEMP °F	REMARKS

PHILLIPS REPRESENTATIVE E. E. Sanders

TEST ENGINEER Jerry Holland

M 1988

EXHIBIT A

Phillips Pipeline Co.
Hydrostatic Pressure Test
Pearl Queen to Gaines Co. Booster 4"
Tabulation of Dead Weight Pressures and
Strokes During Pressurization

DATE	TIME	PRESSURE	STROKES	REMARKS
7-23-87	5:15 PM	1410	1	Started Pumping
		1420	3	
		1430	5	
		1440	8	
		1450	9	
		1460	12	
		1470	14	
		1480	17	
		1490	31	
		1500	39	
		1510	41	
		1520	46	
		1530	56	
		1540	58	
		1550	62	
		1560	71	
		1570	74	
		1580	81	
		1590	88	
		1600	91	
		1610	94	
		1620	97	
		1630	106	
		1640	121	
		1650	130	
		1660	136	
		1670	139	
		1680	144	
		1690	161	
		1700	166	
		1710	169	
		1720	173	
		1730	178	
		1740	190	
		1750	194	
		1760	199	
		1770	202	
		1780	222	
		1790	227	
		1800	231	
		1810	243	
		1820	247	
		1830	256	
		1840	261	
		1850	266	
		1860	278	
		1870	285	

DATE	TIME	PRESSURE	STROKES	REMARKS
		1880	291	
		1890	299	
		1900	304	
		1910	312	
		1920	320	
		1930	330	
		1940	335	
7-23-87	5:39 PM	1945	343	Stopped Pumping
7-23-87	5:45 PM	1920	344	Repressure
		1930	347	
		1940	351	
7-23-87	5:47 PM	1950	355	Stop Pumping

Pressure fell from 1950 psi dead weight to 1927 psi dead weight and stabilized at 1927 psi. Started 8 hour test period at 6:00 PM.

Pump Gardner Denver PUB-5
$3\frac{1}{2}$" plunger x 5" stroke
0.625 gallons per revolution (stroke)

Dead weight gauge #8071 Chandler Engineering

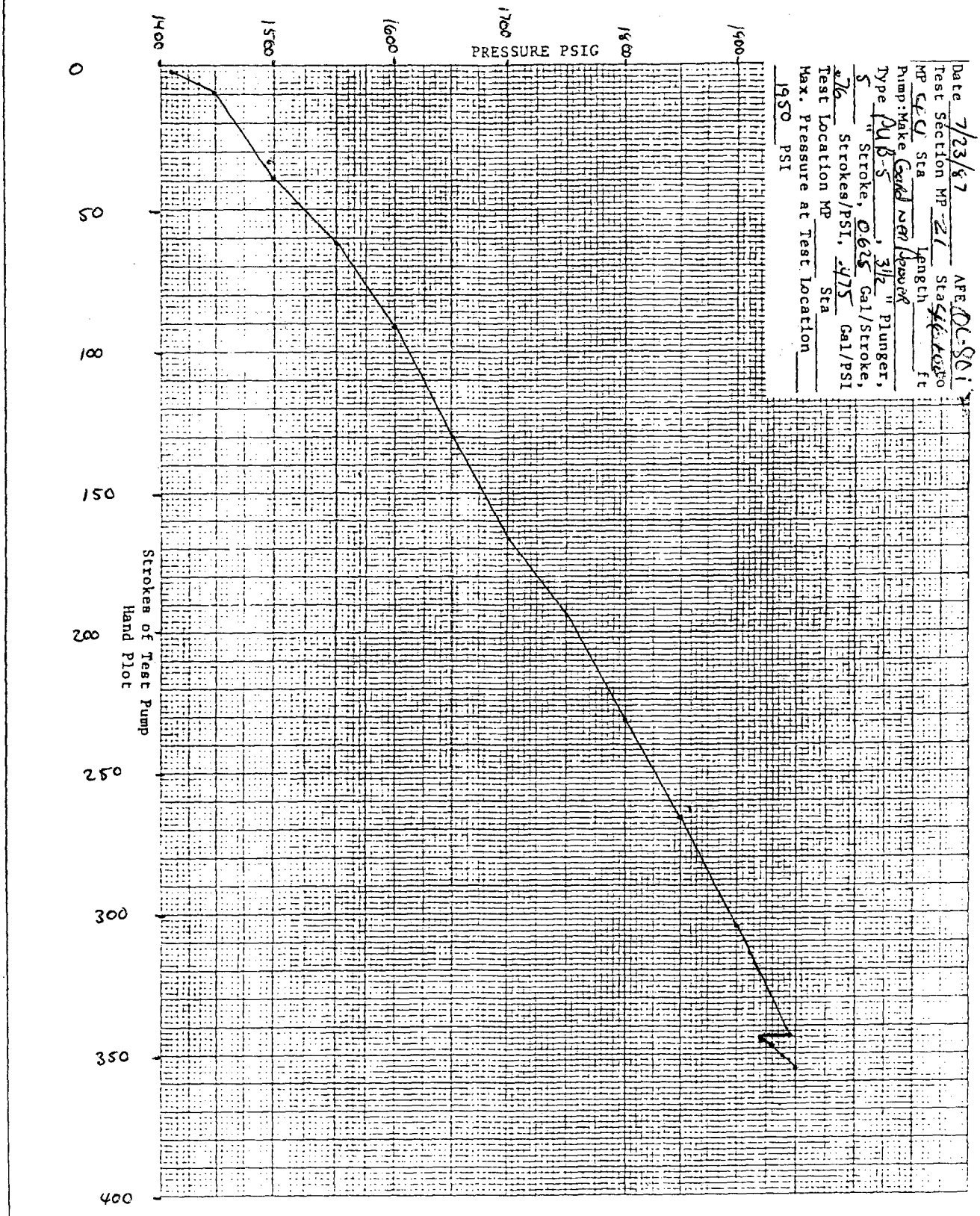


EXHIBIT B

1988

Page 1 of 7

HYDROSTATIC TEST LOG

PHILLIPS Pipeline COMPANY

TEST NO. _____ DATE 7/24/87 AFE OC-8012

DESCRIPTION OF LINE 4" Pearl Queen to Gaines Co. Booster

SECTION TESTED: MP 21 STA 46+00 TO MP 41 STA 30+69

TEST EQUIPMENT LOCATION: MP _____ STA _____ ELEVATION _____

TEST CONTRACTOR Ferguson Construction Company

TEST PUMP DESCRIPTION Gardner Denver PuB-5

PLUNGER 3½" STROKE 5" GAL/STROKE 0.625

DEAD WEIGHT TESTER SERIAL NO. 8071

TEST MEDIUM Water SOURCE City

DATE STARTED 7/23/87 DATE ACCEPTED 7/24/87 DURATION (HRS) 8

TIME AM/PM	PRESSURE (PSI) DEADWEIGHT	PRESSURE (PSI) RECORDER	TEMPERATURE (°F) AMB.	TEMPERATURE (°F) PIPE	REMARKS
7/23/87 6:00PM	1927	1920	93	78	Begin 8hr test
6:15	1927	1920	93	78	
6:30	1927	1920	93	78	
6:45	1927	1920	91	78	
7:00	1929	1920	90	78	
7:30	1930	1920	88	78	
8:00	1931	1920	86	77	
8:30	1932	1925	84	76	
9:00	1934	1925	82	75	
9:30	1935	1925	81	75	
10:00	1936	1925	78	73	
10:30	1937	1925	77	73	
11:00	1939	1925	77	72	
11:30	1940	1925	77	72	
12:00	1941	1925	77	72	
7/24/87 12:30AM	1942	1925	77	71	
1:00	1943	1925	76	71	

PHILLIPS REPRESENTATIVE R. E. Franklin

TEST ENGINEER Jerry Hilliard

EXHIBIT C

Page 2 of 2

HYDROSTATIC TEST LOG

PHILLIPS _____ COMPANY

TEST NO. _____ DATE 7/24/87 AFE OC-8012

DESCRIPTION OF LINE 4" Pearl/Queen to Gaines Co Booster

SECTION TESTED: MP 21 STA 46+00 TO MP 44 STA 30+69

TEST EQUIPMENT LOCATION: MP _____ STA _____ ELEVATION _____

TEST CONTRACTOR _____

TEST PUMP DESCRIPTION _____

PLUNGER _____ STROKE _____ GAL/STROKE _____

DEAD WEIGHT TESTER SERIAL NO. _____

TEST MEDIUM _____ SOURCE _____

DATE STARTED _____ DATE ACCEPTED _____ DURATION (HRS) _____

Confirmed

TIME AM/PM	PRESSURE (PSI) DEADWEIGHT	PRESSURE (PSI) RECORDER	TEMPERATURE (°F) AMB.	TEMPERATURE (°F) PIPE	REMARKS
7/24/87 1:30 AM	1942	1925	75	71	
2:00	1942	1925	74	70	End test

PHILLIPS REPRESENTATIVE K. E. Crawford

TEST ENGINEER James Miller

EXHIBIT C

M 1988

FERGUSON
CONSTRUCTION COMPANY

HYDROSTATIC TESTING

Dead Weigh	Time		Ambient Temp	Dead Weigh	Time		Ambient Temp
		4" Gain) -		Pearl Green			
		Line on	Pressure	Leak			
		on west	End 2 Lines				
		Repaired	Open 4 Wells.				
		West on	Test.				
1410	5:05		93°				78°
1927	6:00		93°				78°
1927	6:15		93°				78°
1927	6:30		91°				72°
1927	6:45		91°				78°
1929	7:00		90°				78°
1930	7:30		88°				78°
1931	8:00		86°				77°
1932	8:30		84°				76°
1934	9:00		82°				75°
1935	9:30		81°				75°
1936	10:00		78°				73°
1937	10:30		77°				73
1939	11:00		77°	4			72
1940	11:30		77°				72
1941	12:00		77°				72
1942	12:30		77°				71
1943	1:00		76°				71
1942	1:30		75°				71
1942	2:00		74°				70
		Recorder Serial #			M.E.S. 1960		
		D.W. Serial #	8071				
		Temp. 20211 7860					
		7-23 & 24 1987					

Pipe Size .....

Ferguson Representative ..... Company Representative .....

M
1988

HYDROSTATIC TEST SUMMARY

PHILLIPS Pipeline COMPANY

Test No. _____ Date 7/24/87 AFE 0C-5017

Description of Line Tested 4" Gaines Co. Booster to Pearl Queen

Section Tested MP 21 Sta 46+00 , to MP 0 Sta 36+69

Test Section: Length _____ Ft. Calculated Volume _____ Bbls

Test Medium Water Anti-Freeze/Inhibitor Added _____

Lay Contractor _____

Test Contractor Ferguson Construction

Pipe Spec.: 4½" "OD, .156 "Wall, Grade X-42 Mfg Lone Star PO No. _____

_____ "OD, _____ "Wall, Grade _____ , Mfg _____ PO No. _____

_____ "OD, _____ "Wall, Grade _____ , Mfg _____ PO No. _____

	LOCATION		ELEVATION	MINIMUM TEST PRESSURE		
	MP	Station	Ft.	Required	% SMYP	Recorded
Test Eqpt.	_____	_____	_____	_____ PSI	_____	_____ PSI
High Point	_____	_____	_____	_____ PSI	_____	_____ PSI
Low Point	_____	_____	_____	_____ PSI	_____	_____ PSI

Test Started: Date 7/23/87 , Time 6:00 PM Test Ended: Date 7/24/87 , Time 2:00 AM

Variations During Test: Pressure: Loss _____ Gain 16 PSI

Temperature: Ambient; High 93 Low 74 °F, Pipe; High 78 Low 70 °F

Attachments: Pressure Chart ✓ , Temperature Chart ✓ , Dead Weight Calibration Certificate ✓ , Fill Log ✓ , Pressure vs Volume Plot _____ , Test Log (Time, Pressure, Temperature) ✓ , Test Failure/Leak Report ✓ , Test Failure/Leak Log _____ , Line Profile (if elevation difference exceeds 100 Ft.) _____ , Test Certification Statement ✓ , Other _____

Number of Hydrostatic Test Leak/Failures 1

Test Medium: Source _____ Disposal _____

Remarks _____

R. E. Hawkins
Phillips Representative

Test Engineer

FORM 4317-S 12-78 PAGE 1 OF 1 REPRODUCTION OF STANDARD NO. 30.04-5

EXHIBIT D

M 1988

EXHIBIT "G"

Hydrostatic Test Chart Record: AFE OL-8012

Test for Phillips Pipeline Co.

Test Contractor Ferguson Construction Co.

Description of facility tested 4" line from Coaltes Co. Booster to Peak/Queen

MP 21 Sta 46+00 MP 44 Sta 30+69

Test completed: Date 7/24/82 Time 2:00 AM

Minimum Test Pressure 1927 Duration (hrs.) 8

Medium Water, Pipe: Size 4" Wall _____ Ga. _____

Explanation of Pressure Discontinuities _____

Certification: _____
Test Engineer

_____
Phillips Representative

M
1988

EXHIBIT "H"

CERTIFICATION OF HYDROSTATIC TEST

RE: HYDROSTATIC TEST OF
PHILLIPS Pipeline COMPANY'S
4 " OD PIPELINE - AFE OC-8012

We have reviewed and evaluated all data assembled incidental to the hydrostatic test performed on the _____ miles of 4½" OD pipeline between Pearl Queen and Gaines Co. Booster for Phillips Pipeline Company.

Brief recap of fill, and test procedure outlining any failures in pipe under test and explanation of any discontinuities in recordings during test.

The minimum (recorded) (calculated) test pressure during the 8 HR test period at the ~~High~~ Test Point in the line is 1927 PSIG.

From the test results it is concluded that the pipeline is as safe as today's technology can produce, and the pipeline hydrostatic test is in compliance with all current State and Federal Regulations.

Certified by
Registered Professional
Engineer

[signature]

[signature] Supervisor
Test Contractor

M
1988

HYDROSTATIC TEST FAILURE REPORT

SECTION TESTED: From 4" PEARL QUEEN To GAINES STATION

FAILURE NO. IN SECTION 1 FAILURE NO. OVERALL 2

DATE 7/21/87 TIME 9:00 PM LINE "80-12"

LOCATION MP 24 19+50 Sec 24; T19S; R35E LEA CO.

PRESSURE AT RECORDER, PSIG 1930 RECORDER LOCATION GAINES STATION

CALCULATED PRESSURE AT POINT OF FAILURE, PSIG _____

DESCRIPTION OF FAILURE:

SPLIT ☐ LENGTH OF SPLIT _____

SEEP ☒ GAL. LOST PER HOUR 4 PSI LOST PER HOUR 12

FAILURE ORIGINATED IN: ☐ SEAM ☐ FIELD WELD ☒ OTHER STEM PACKING LEAKING ON 3/4" VALVE TAPPED INTO CLAMP ON LINE

REPAIR: O.D. 4½" W.T. 237 MFG. _____ GRADE SLX-42

LENGTH 5' DATE REPAIRED 7/23/87

REMARKS: RANCHER TOLD US HE WAS GIVEN A TAP ON THE LINE TO RUN HIS IRRIGATION PUMPS ON OUR GAS. HE SAID THAT HE HAD NEVER INSTALLED THE EXPENSIVE REGULATOR HE WAS TOLD HE HAD TO HAVE. 4 BOLT CLAMP ON LINE WITH 2" THREADED TAP ON SIDE; 2"x3/4" SWAGE; COLLAR; NIPPLE; VALVE; NIPPLE; VALVE; BRASS TUBE CONNECTOR.

M
1988