GW - 44

GENERAL CORRESPONDENCE

YEAR(S):

2007-1998

Chavez, Carl J, EMNRD

From: Chavez, Carl J, EMNRD
Sent: Friday, July 11, 2008 8:56 AM
To: 'Klein, Elisabeth Anne'
Cc: Price, Wayne, EMNRD; Lowe, Leonard, EMNRD
Subject: DCP Midstream LP. Closure of Facilities

Elisabeth:

The OCD requests to visit the discharge permit facilities listed below that DCP Midstream, LP. has are inactive or expressed an interest in closing. The OCD would like to schedule a date for the facility visits in August of 2008. The OCD would prefer to meet with a company representative and then visit the facilities.

GW-24 Avalon Gas Plant

OCD Status: Rambo CS. (formerly Avalon Gas Plant) (GW-24): The permit expired on 9/18/2005 and is listed as inactive.
According to your letter the 0CD received the pit closure reports and analytical results required by the OCD's April 7, 2004 approval letter and were provided in your letter. The 000 requests to know the status of operations at the facility? Does DCP Midstream, LP wish to close the facility? If so, the OCD needs a closure plan. The OCD requires inactive facilities to submit a closure plan, unless it plans to continue operations, which will require a discharge plan renewal.

DCP Status: Avalon Gas Plant (Rambo Compressor) (GW-24) - DCP MIDSTREAM LP previously renewed the pei«=iit
for this facility. An approval letter, dated April 7, 2004, from the OCD was received by the company.
DCP MIDSTREAM LP was required, as a condition of the approval, to submit pit closure reports and analytical results. The report and results were submitted to the OCD on April 23, 2004.

GW-42 Indian Hills Gas Plant (last permit 6/18/1997 Stage 1)

OCD Status: Indian Hills Gas Plant (GW-42): OCO records indicate that the facility is inactive. The OCD requests the
status of the facility and if it is inactive, we request a closure plan. The GOD will be conducting an inspection of this facility.

DCP Status: Indian Hills Gas Plant (GW-42) - This facility was dismantled and only a meter facility and pig launcher
exist on the site. A copy of the company's notification, dated December 10, 2001, to the OCD regarding the status of this site and OCD's receipt of this letter is in Attachment 5.

GW-44 Hobbs Booster Station (OCD has processed the DP 3/7/2008 Stage 4, but DCP appears to want to close it instead?)

OCD Status: Hobbs Booster Station (GW -44): OCD records indicate that the facility is active with an expiration date of
12/2712007. A $100 filing fee was received and determined to be administratively complete and OCO will issue public notice, a draft discharge plan, and administratively complete letter on its website tomorrow. The facility is closed and only remediation activities are ongoing at present.

DCP Status:

Discharge Plan GW-044: Summary of First Quarter 2008 Groundwater

Monitoring Results and Additional Site Characterization Activities at the
Hobbs Booster Station: Hobbs, New Mexico
Units C and D Section 4, T 19 5, R 38 E, NMPM

GW-288 Pardue Compressor Station (OCD has process the DP 3/7/2008 Stage 4, but DCP appears to want to close it instead?)

OCD Status: Pardue CS. (GW-288): OCD records indicate that the facility is active with an expiration date of 11/24/2007.
A $100 filing fee was received and determined to be administratively complete and OCD will issue public notice, a draft discharge plan, and administratively complete letter on its website tomorrow. DCP Midstream, LP is in the process of completing a closure plan and will submit it prior to completion of closure.

DCP Status: Pardue CS. (GW-288): OCD records indicate that the facility is active with an expiration date of 11/24/2007.
A $100 filing fee was received and determined to be administratively complete and OCD will issue public notice, a draft discharge plan, and administratively complete letter on its website tomorrow. DCP Midstream, LP is in the process of completing a closure plan and will submit it prior to completion of closure.

Please contact me. Thank you.

Carl J. Chavez, CHMM
New Mexico Energy, Minerals & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Dr., Santa Fe, New Mexico 87505
Office: (505) 476-3491
Fax: (505) 476-3462
E-mail: CarlJ.Chavez@state.nm.us
Website: http://www.emnrd.state.nm.us/ocd/index.htm
(Pollution Prevention Guidance is under "Publications")

Monitoring Results and Additional Site Characterization Activities at the
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DCP Status:

Discharge Plan GW-044: Summary of First Quarter 2008 Groundwater

Chavez, Carl J, EMNRD

From: Michael Stewart [mstewart@aecdenver.com]
Sent: Thursday, June 19, 2008 10:53 AM
To: Price, Wayne, EMNRD; Johnson, Larry, EMNRD; Chavez, Carl J, EMNRD
Cc: Stephen W Weathers
Subject: Notification to Complete Environmental Actvities at the DCP Midstream Hobbs Booster Station (GW-044)

American Environmental, LLC, a subcontractor to DCP Midstream, will complete quarterly groundwater monitoring at the DCP Midstream-Hobbs Booster Station (GW-044). The site is located at 1625 W. Marland, City of Hobbs, Lea County New Mexico. The legal description is Units C & D, Sec 4, T19S, R36E.

The activities to be completed include:

1. Measure fluid levels in all monitoring/recovery/piezometer wells.
2. Purge select non-product-containing monitoring wells.
3. Collect groundwater samples for BTEX from the developed wells.
4. Dispose or applicable purge water at a NMOCD approved facility.

Fluid measurements will begin 6/25/08. Groundwater purging and sampling will be completed on 6/26/08.

Please contact me by email or by phone if you have any questions and/or comments.

Michael Stewart
303-638-0001 (mobile)
303-948-7733 office
303-948-7739 (fax)

Chavez, Carl J, EMNRD

From: Price, Wayne, EMNRD
Sent: Wednesday, June 18, 2008 3:11 PM
To: Michael Stewart; Chavez, Carl J, EMNRD
Cc: Stephen W Weathers
Subject: RE: Summary of First Quarter 2008 Groundwater Monitoring Results and Additional Site Characterization Activities

Michael, make sure Carl Chavez gets a copy of these reports in the future. I am CC him now.

From: Michael Stewart [mailto:mstewart@aecdenver.com]
Sent: Friday, June 13, 2008 10:35 AM
To: Price, Wayne, EMNRD
Cc: Stephen W Weathers
Subject: Summary of First Quarter 2008 Groundwater Monitoring Results and Additional Site Characterization Activities

Mr. Price:

On behalf of DCP Midstream, attached you will find an electronic copy of the Summary of First Quarter 2008 Groundwater Monitoring Results and Additional Site Characterization Activities along with a cover letter for the DCP Hobbs Booster Station **(GW-044)** remediation project located in Hobbs, New Mexico (Unit C and D, Section 4, T19S R38E).

A hard copy will follow in the mail and I will be sending a CD of this report to Larry Johnson at the Hobbs District Office.

If you have any questions, please give me a call at 303-638-0001 or Steve Weathers of DCP at 303-605-1718.

Thanks

Michael Stewart
303-638-0001 (mobile)
303-948-7733 office
303-948-7739 (fax)

Chavez, Carl J, EMNRD

From: Weathers, Stephen W [swweathers@duke-energy.com]
Sent: Friday, December 22, 2006 11:58 AM
To: Chavez, Carl J, EMNRD
Cc: Ward, Lynn C; Weathers, Stephen W
Subject: DEFS Hobbs Booster Station Groundwater Reports (GW-044)

Mr. Chavez:

Attached you will find one electronic copy of the 3rd Quarter 2006 Groundwater Monitor Report along with a cover letter for the DEFS Hobbs Booster Station **(GW-044)** remediation project located in Hobbs, New Mexico (Unit C and D, Section 4, T19S R38E).
I will be sending a CD of this report to Larry Johnson at the Hobbs District Office.

If you have any questions, please give me a call at 303-605-1718.

Thanks

Steve Weathers
Duke Energy Field Services

Duke Energy® Field Services

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

December 22, 2006

Mr. Carl Chavez
Environmental Bureau
New Mexico Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

RE: 3rd Quarter 2006 Groundwater Monitoring Results
Hobbs Booster Station, Lea County New Mexico (GW-044)
Unit C and D, Section 4, Township 19 South, Range 38 East

Dear Mr. Chavez:

Duke Energy Field Services, LP (DEFS) is pleased to submit for your review, an electronic copy of the 3rd Quarter 2006 Groundwater Monitoring Report for the DEFS Hobbs Booster Station located in Hobbs, New Mexico (Unit C and D Section 4, T19S, R38E (32.696 degrees North, 103.156 degrees West)

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

Sincerely

Duke Energy Field Services, LP

Stephen Weathers, PG
Sr. Environmental Specialist

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

AEC AMERICAN ENVIRONMENTAL CONSULTING, LLC

December 22, 2006

Mr. Stephen Weathers
Duke Energy Field Services, LP
370 Seventeenth Street, Suite 2500
Denver, Colorado 80202

Subject: **Discharge Plan GW-044:** Summary of Third Quarter 2006 Groundwater Monitoring Results Hobbs Booster Station: Hobbs, New Mexico
Units C and D Section 4, T 19 S, R 38 E, NMPM:

Dear Steve:

This letter summarizes groundwater monitoring activities completed and data generated during the third quarter 2006 groundwater-sampling event completed on September 27, 2006 at the Duke Energy Field Services, LP (DEFS) Hobbs Booster Station in Hobbs, New Mexico.

The facility is located in New Mexico Oil Conservation Division (OCD) designated units C and D Section 4, T 19 S, R 38 E (Figure 1). The coordinates are 32.696 degrees north, 103.156 degrees west. The current well locations are shown on Figure 2. Construction and well use information is included in Table 1. Well uses include:

- Fluid level measurement and quarterly groundwater monitoring;
- Fluid level measurement and free phase hydrocarbon (FPH) recovery; and
- Fluid level measurement only.

Eleven additional wells, PW-AA through PW-KK, were installed as part of the FPH recovery system, and they are not included in the monitoring program. There is also an air-sparge system located along the south-central site boundary.

The monitoring was completed using the standard protocols for this site. The corrected groundwater elevations for all monitoring episodes are shown on Table 2 for the monitoring wells and Table 3 for the FPH characterization wells. The water-table elevations for the wells containing free product were adjusted using the following formula:

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

- MGWE is the actual measured groundwater elevation;
- PT is the measured free-phase hydrocarbon thickness; and
- PD is the free phase hydrocarbon density (assumed 0.74 or 0.817 depending upon the well location).

This correction provides an estimate of the water table elevation as if free product was not present in the well.

A water-table contour map generated from the September 27, 2006 corrected values using the program Surfer with its kriging option is included as Figure 3. The water table continues to be modified from its original configuration by heavy precipitation that accumulated in trenches during FPH collection system construction activities the fourth quarter of 2004. Enhance infiltration produced a mound, particularly in the area that includes MW-4, MW-8, MW-9, MW-12 and TW-G, that continues to deflect groundwater flow away from the historic easterly direction toward the south-southwest. The mounds appear to continue to decrease in size and extent.

Figure 4 shows hydrographs for the three southern boundary wells MW-14, MW-15 and MW-16. The hydrographs show that the water table increased approximately 0.75 feet because of the heavy summer precipitation.

The FPH thickness measurements from September 2006 are summarized on Table 4. The wells included in the FPH recovery system highlighted with an asterisk. The system was shut down 48 hours before sample to allow FPH levels to equilibrate in the recovery wells. The plots of FPH thickness in wells that lie within the footprint of the FPH collection system but are not attached to the system are shown on Figure 5. No long-term trends are evident in these wells.

Samples were collected from MW-14, MW-15, MW-16, MW-19, MW-19D, MW-20, MW-21 and MW-22. Each well was purged using a disposable bailer 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 purge water was disposed of at the DEFS Linam Ranch facility.

The samples were then collected using the disposable bailers. All samples were placed in an ice-filled chest immediately upon collection and shipped to the analytical laboratory using standard chain-of-custody protocol. The unfiltered samples were analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX). A copy of the laboratory analytical report is attached.

The analytical results and the quality assurance evaluation for the monitoring episode are summarized in Table 5. The following quality assurance/quality control evaluations were completed:

1. The relative percentage difference (RPD) values for benzene, toluene and xylenes in MW-14 were below 20 percent. The ethylbenzene RPD of 30.5 percent is higher but results from the comparison of two relatively low concentrations.

2. None of the surrogates recoveries completed on the individual analyses were outside their control limits;

3. The trip blank did not contain any BTEX; and

4. The matrix spike, matrix spike duplicates did not exceed their respective control limits.

The above evaluation indicates that the results can be used for their intended purposes.

None of the BTEX constituents were detected in down-gradient wells MW-16, MW-19, MW-19D, MW-20, MW- 21 and MW-22. Benzene was measured in MW-15 at 0.002 mg/l or five times less than the New Mexico Water Quality Control Commission (NWWQCC) ground water standard 0f 0.010 mg/l.

Benzene, toluene, ethylbenzene and xylenes were measured southern boundary well MW-14. Benzene was the only constituent above the NWWQCC ground water standard. The benzene concentration was believed to have increased because the air-sparge unit was down for an extended period of time to replace the blower. The system was repaired, and it is now operational.

Tables 6, 7, 8 and 9 summarize the historical data collected for benzene, toluene, ethylbenzene and xylenes respectively. Figure 6 shows the time-concentration trend for MW-22. Figure 6 shows that the benzene concentration in MW-22 has varied between the detection limit and the 0.01 mg/l NWWQCC groundwater standard since the second quarter of 2004. The concentration declined to below the method reporting limit in September 2006.

Figure 7 graphs the time-benzene concentrations for the south boundary wells MW-14, MW-15 and MW-16. The benzene concentration in MW-14 increased between June 2006 and September 2006 because the air sparge system was down for repairs. The benzene concentrations in MW-15 and MW-16 have been non-detect for the past six monitoring episodes.

The next groundwater-monitoring episode is scheduled for December 2006. The FPH and air-sparge systems continue to be checked at least weekly. Do not hesitate to contact me if you have any questions or comments on this report or any other aspects of the projects.

Sincerely,
AMERICAN ENVIRONMENTAL CONSULTING, LLC

Michael H. Stewart

Michael H. Stewart, PE
Principal Engineer

MHS/tbm
attachment

TABLES

Table 1 – Summary of Hobbs Booster Station Well Construction and Use Information

Well	Top of Casing Elevation	Total Well Depth	Screen Interval	Gravel Interval	Use*	Well	Top of Casing Elevation	Total Well Depth	Screen Interval	Gravel Interval	Use*
MW-1	3,626.06	57	37-57	34-57	A	MW-22	3,625.16	60	45-60	43-60	Q
MW-2	3,623.14	53	33-53	30-53	A	TW-A	3626.74	57	42-57	40-57	R
MW-3	3,623.01	53	33-53	30-53	A	TW-B	3,626.96	57	44-59	42-59	R
MW-4	3,624.29	57	37-57	34-57	R	TW-C	3,626.85	60	45-60	43-60	R
MW-5	3,629.16	57	37-57	34-57	A	TW-D	3,628.12	50	35-50	33-50	R
MW-6	3,626.93	53	33-53	30-53	A	TW-G	3,623.62	54	39-54	34-54	R
MW-7	3,621.40	56	33-53	31-56	A	TW-H	3,622.30	51	36-51	34-51	F
MW-8	3,623.62	58	36-56	34-58	R	TW-I	3,629.44	60	45-60	43-60	R
MW-9	3,625.21	63	43-63	40-63	A	TW-J	3,628.99	60	45-60	43-60	R
MW-10	3,621.07	58	36-56	34-58	A	TW-K	3,628.95	60	45-60	43-60	F
MW-11	3,625.88	63	43-63	41-63	R	TW-L	3,628.75	60	45-60	43-60	R
MW-12	3,626.60	65	40-60	38-65	A	TW-M	3,629.62	60	45-60	43-60	R
MW-13	3,626.30	69	44-64	38-64	R	TW-N	3,631.98	60	45-60	43-60	F
MW-14	3,621.42	66	42-62	34-66	Q	TW-O	3,631.60	60	45-60	42-60	R
MW-15	3,619.39	59	37-57	31-59	Q	TW-P	3,629.68	60	45-60	42-60	R
MW-16	3,621.87	58	34-54	30-56	Q	TW-Q	3,627.90	58	53-58	41-58	F
MW-17	3,623.94	66	41-61	37-63	A	TW-R	3,627.34	60	45-60	43-45	R
MW-18	3,624.30	68	44-64	35-65	A	TW-S	3,628.77	60	45-60	43-45	R
MW-19	3,624.12	68	43-63	40-65	Q	TW-T	3,628.62	60	45-60	43-45	F
MW-19D	3,623.79	83	71-76	69-76	Q	TW-U	3,628.67	60	45-60	43-45	F
MW-20	3,621.49	59	59-44	59-42	Q	TW-V	3,628.54	60	45-60	43-45	F
MW-21	3,624.25	61	61-46	61-44	Q	TW-W	3,626.88	60	45-60	43-45	F

Notes: All units feet

A natural sand pack is present in well MW-19D between 72 and 76 feet below ground surface (bgs). Artificially graded sand is present between 69 and 72 feet bgs.

* Uses: Q: Quarterly groundwater monitoring when free phase hydrocarbons are absent

A: Annual groundwater monitoring when free phase hydrocarbons are absent

F: Fluid level measurement only.

R: Free phase hydrocarbon recovery

Table 2 -- Summary of Corrected Groundwater Elevations for the Groundwater Monitoring Wells

Well	Jul-99	May-00	Aug-00	Oct-00	Feb-01	May-01	Aug-01	Oct-01	Mar-02	Jun-02	Sep-02	Dec-02	Mar-03	Jun-03	Sep-03	Dec-03	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05
MW-1	3,580.50	3,580.13	3,580.19	3,579.96	3,579.89	3,579.64	3,579.65	3,579.62	3,579.00	3,578.72	3,578.55	3,578.72	3,578.46	3,578.23	3,577.87	3,577.47	3,577.17	3,577.38	3,577.26	3,578.99	3,579.60	3,579.40	3,579.38	3,579.44
MW-2	3,582.63	3,582.04	3,582.33	3,581.95	3,581.90	3,581.67	3,581.43	3,581.33	3,580.88	3,580.65	3,580.45	3,580.81	3,580.36	3,580.16	3,579.84	3,579.55	3,580.05	3,579.61	3,579.79	3,581.69	3,581.97	3,581.63	3,581.50	3,581.61
MW-3	3,582.25	3,581.68	3,582.05	3,581.64	3,581.57	3,581.36	3,581.11	3,580.97	3,580.48	3,580.29	3,580.11	3,580.52	3,580.06	3,579.79	3,579.46	3,579.08	3,578.87	3,579.16	3,579.05	3,581.41	3,581.69	3,581.37	3,581.27	3,581.32
MW-4	3,579.95	3,579.27	3,579.12	3,579.00	3,578.96	3,578.82	3,578.60	3,578.39	3,577.96	3,577.77	3,577.62	3,577.87	3,577.63	3,577.24	3,576.85	3,576.46	3,576.16	3,576.52	3,576.35	3,581.36	3,581.67	3,581.45	3,581.33	3,581.40
MW-5	3,581.01	3,580.89	3,580.66	3,580.58	3,580.59	3,580.27	3,580.68	3,580.74	3,579.81	3,579.44	3,579.32	3,579.49	3,579.16	3,579.08	3,578.79	3,578.38	3,578.15	3,578.15	3,578.09	3,579.60	3,580.16	3,580.00	3,579.99	3,580.06
MW-6	3,582.98	3,582.61	3,582.72	3,582.45	3,582.38	3,582.15	3,581.94	3,581.94	3,581.49	3,581.17	3,580.97	3,581.16	3,580.87	3,580.74	3,580.42	3,580.08	3,579.92	3,579.99	3,580.02	3,581.93	3,582.24	3,581.94	3,581.78	3,581.87
MW-7		3,582.90	3,583.22	3,582.83	3,582.75	3,582.52	3,582.24	3,582.18	3,581.70	3,581.49	3,581.28	3,581.66	3,581.52	3,580.98	3,580.70	3,580.34	3,580.24	3,580.42	3,580.43	3,582.75	3,582.88	3,582.56	3,582.41	3,582.46
MW-8		3,579.93	3,580.12	3,579.84	3,579.80	3,579.79	3,579.73	3,579.26	3,578.83	3,578.64	3,578.50	3,578.77	3,578.48	3,578.15	3,577.77	3,577.35	3,577.08	3,577.29	3,577.14	3,582.36	3,582.72	3,582.47	3,582.39	3,582.46
MW-9		3,577.62	3,577.51	3,577.46	3,577.45	3,577.31	3,577.00	3,576.81	3,576.33	3,576.21	3,576.05	3,576.30	3,576.09	3,575.58	3,575.19	3,574.77	3,574.47	3,574.65	3,574.47	3,576.76	3,577.02	3,576.74	3,576.68	3,576.71
MW-10		3,579.43	3,579.64	3,579.28	3,579.26	3,579.08	3,578.75	3,578.51	3,578.03	3,577.99	3,577.84	3,578.15	3,577.86	3,577.34	3,576.93	3,576.48	3,576.14	3,576.43	3,576.28	3,578.64	3,578.91	3,578.64	3,578.63	3,578.64
MW-11		3,577.90	3,578.00	3,577.66	3,577.69	3,577.52	3,577.34	3,577.16	3,576.70	3,576.48	3,576.32	3,576.52	3,576.32	3,575.92	3,575.56	3,575.15	3,574.87	3,575.07	3,574.87	3,580.42	3,580.86	3,580.57	3,580.51	3,580.58
MW-12				3,578.58	3,578.58	3,578.18	3,578.18	3,577.96	3,577.73	3,577.53	3,577.21	3,577.53	3,577.39	3,576.93	3,576.63	3,576.10	3,575.98	3,576.13	3,575.83	3,577.64	3,578.22	3,577.98	3,577.93	3,577.96
MW-13				3,576.41	3,576.32	3,576.29	3,575.86	3,575.81	3,575.40	3,575.23	3,575.07	3,575.25	3,575.04	3,574.62	3,574.26	3,573.70	3,573.56	3,573.77	3,573.55	3,578.44	3,578.65	3,578.39	3,578.40	3,578.39
MW-14				3,577.51	3,577.46	3,577.35	3,576.90	3,576.56	3,576.06	3,576.26	3,576.13	3,576.42	3,576.17	3,575.39	3,574.96	3,574.49	3,574.22	3,574.48	3,574.27	3,576.74	3,576.98	3,576.69	3,576.61	3,576.64
MW-15				3,579.57	3,579.53	3,579.36	3,579.02	3,578.70	3,578.21	3,578.32	3,578.14	3,578.54	3,578.18	3,577.59	3,577.16	3,576.72	3,576.39	3,576.76	3,576.60	3,579.16	3,579.31	3,579.02	3,579.07	3,579.01
MW-16				3,581.50	3,581.42	3,581.21	3,580.96	3,580.79	3,580.28	3,580.14	3,579.96	3,580.43	3,579.93	3,579.62	3,579.29	3,578.90	3,578.69	3,579.04	3,578.94	3,581.49	3,581.66	3,581.35	3,581.24	3,581.28
MW-17				3,575.36	3,575.26	3,575.15	3,574.89	3,574.68	3,574.24	3,574.07	3,573.90	3,574.09	3,573.85	3,573.44	3,573.15	3,572.65	3,572.39	3,572.57	3,572.39	3,574.65	3,574.72	3,574.43	3,574.41	3,574.34
MW-18				3,574.66	3,574.53	3,574.43	3,574.21	3,573.98	3,573.56	3,573.38	3,573.22	3,573.42	3,573.15	3,572.76	3,572.42	3,572.01	3,571.74	3,571.93	3,571.76	3,574.01	3,574.04	3,573.74	3,573.75	3,573.66
MW-19				3,573.97	3,573.88	3,573.79	3,573.55	3,573.32	3,572.90	3,572.74	3,572.58	3,572.78	3,572.49	3,572.12	3,571.78	3,571.37	3,571.12	3,571.31	3,571.15	3,573.47	3,573.38	3,573.07	3,573.09	3,572.99
MW-19d															3,571.55	3,571.13	3,570.88	3,571.01	3,570.86	3,573.19	3,573.11	3,572.78	3,572.81	3,572.70
MW-20										3,572.51	3,572.36	3,572.59	3,572.28	3,571.92	3,571.56	3,571.15	3,570.89	3,571.11	3,570.94	3,573.31	3,573.20	3,572.88	3,572.92	3,572.80
MW-21										3,573.46	3,573.32	3,573.62	3,573.28	3,572.82	3,572.44	3,572.00	3,571.72	3,572.03	3,571.82	3,574.47	3,574.35	3,574.00	3,574.05	3,573.92
MW-22														3,572.08	3,571.78	3,571.39	3,571.14	3,571.29	3,571.15	3,573.22	3,573.25	3,572.97	3,572.94	3,572.85

Well	Mar-06	Jun-06	Sep-06
MW-1	3,578.83	3,578.46	3,578.95
MW-2	3,581.02	3,580.60	3,581.46
MW-3	3,580.71	3,580.30	3,581.23
MW-4	3,580.84	NM	3,581.03
MW-5	3,579.50	3,579.18	3,579.55
MW-6	3,581.40	3,580.97	3,581.73
MW-7	3,581.88	3,581.48	3,582.48
MW-8	3,581.88	NM	3,582.16
MW-9	3,576.08	3,575.70	3,576.46
MW-10	3,578.02	3,577.61	3,578.48
MW-11	3,579.94	NM	3,580.55
MW-12	3,577.39	3,577.05	3,577.62
MW-13	3,577.61	NM	3,578.24
MW-14	3,576.01	3,575.61	3,576.40
MW-15	3,578.37	3,577.97	3,578.74
MW-16	3,580.63	3,580.24	3,581.19
MW-17	3,573.71	3,573.31	3,574.37
MW-18	3,573.02	3,572.63	3,573.71
MW-19	3,572.33	3,571.96	3,573.05
MW-19d	3,572.03	3,571.77	3,572.74
MW-20	3,572.12	3,572.85	3,572.87
MW-21	3,573.24	3,572.77	3,574.06
MW-22	3,572.24	3,578.46	3,572.88

All units are feet
Blank cells indicate well was not installed.
NM fluid levels not measured because of free phase hydrocarbon collection system

Table 3 – Summary of Corrected Groundwater Elevations for the FPH Characterization Wells

Well	Jun-02	Sep-02	Dec-02	Mar-03	Jun-03	Sep-03	Dec-03	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06
TW-A	3,578.32	3,578.12	3,578.25	3,578.04	3,577.88	3,577.49	3,577.09	3,576.83	3,576.85	3,576.79	3,581.32	3,582.07	3,581.86	3,581.87	3,581.92	3,581.26	NM	3,581.39
TW-B	3,577.45	3,577.28	3,577.42	3,577.25	3,577.01	3,576.62	3,576.23	3,575.96	3,576.05	3,575.88	3,581.06	3,581.74	3,581.52	3,581.54	3,581.57	3,580.91	NM	3,581.08
TW-C	3,576.49	3,576.37	3,576.50	3,576.35	3,575.85	3,575.38	3,575.24	3,574.80	3,574.86	3,574.72	3,579.67	3,580.39	3,580.16	3,580.20	3,580.20	3,579.37	NM	3,576.80
TW-D	3,575.85	3,576.12	3,576.15	3,576.09	3,575.78	3,575.43	3,575.02	3,574.80	3,575.00	3,573.72	3,578.49	3,578.52	3,578.27	3,578.33	3,578.41	3,577.71	NM	3,578.26
TW-G	3,577.40	3,577.23	3,577.49	3,577.29	3,576.60	3,576.30	3,575.88	3,575.59	3,575.84	3,575.68	3,581.53	3,581.81	3,581.53	3,581.54	3,581.77	3,580.88	NM	3,581.33
TW-H	3,579.15	3,578.99	3,614.41	3,578.96	3,578.67	3,578.27	3,577.88	3,577.59	3,577.82	3,577.70	3,579.75	3,580.13	3,579.98	3,579.86	3,579.98	3,579.37	3,578.99	3,579.65
TW-I	3,577.52	3,577.38	3,577.40	3,577.27	3,577.10	3,576.79	3,576.40	3,576.17	3,576.19	3,576.07	3,580.64	3,580.82	3,580.68	3,580.69	3,580.72	3,580.20	NM	3,578.24
TW-J	3,576.50	3,576.43	3,576.45	3,576.30	3,576.07	3,575.75	3,575.38	3,575.13	3,575.21	3,575.05	3,579.72	3,579.93	3,579.58	3,579.70	3,579.88	3,579.20	NM	3,578.28
TW-K	3,575.45	3,575.51	3,575.57	3,575.28	3,575.12	3,574.79	3,574.40	3,574.15	3,574.23	3,574.06	3,575.77	3,576.04	3,576.65	3,575.79	3,575.83	3,575.27	3,574.89	3,575.51
TW-L	3,574.96	3,575.07	3,575.16	3,574.98	3,574.69	3,574.37	3,574.02	3,573.74	3,573.84	3,573.37	3,578.28	3,578.44	3,578.21	3,578.33	3,578.48	3,577.85	NM	3,574.44
TW-M		3,578.32	3,578.40	3,578.17	3,578.04	3,577.70	3,577.30	3,577.03	3,577.04	3,576.93	3,581.92	3,582.33	3,582.16	3,582.16	3,582.39	3,581.79	NM	3,582.57
TW-N		3,577.22	3,577.13	3,576.99	3,576.88	3,576.56	3,576.18	3,575.91	3,575.90	3,575.79	3,577.15	3,577.69	3,577.58	3,577.68	3,577.70	3,577.07	3,576.77	3,577.08
TW-O		3,576.31	3,576.25	3,576.12	3,575.95	3,575.60	3,575.26	3,574.98	3,574.99	3,574.87	3,579.57	3,579.96	3,579.77	3,579.76	3,580.03	3,579.41	NM	3,574.48
TW-P		3,575.20	3,575.21	3,575.08	3,574.86	3,574.56	3,574.20	3,573.94	3,574.01	3,573.82	3,578.67	3,578.70	3,578.59	3,578.66	3,578.67	3,578.00	NM	3,578.73
TW-Q		3,579.12	3,618.98	3,579.04	3,578.89	3,578.56	3,578.19	3,577.91	3,577.99	3,577.90	3,579.58	3,580.19	3,582.98	3,582.89	3,583.00	3,582.42	3,582.05	3,582.55
TW-R		3,574.17	3,574.36	3,574.22	3,573.96	3,573.63	3,573.22	3,572.95	3,573.07	3,572.64	NM	NM	NM	3,577.73	3,577.72	3,577.17	NM	3,577.99
TW-S		3,573.90	3,618.71	3,573.76	3,573.47	3,573.13	3,572.87	3,572.79	3,572.93	3,572.73	3,577.50	3,577.81	3,577.86	3,577.54	3,577.63	3,577.03	NM	3,577.46
TW-T									3,572.57	3,572.42	3,574.07	3,574.32	3,577.58	3,574.04	3,574.06	3,573.46	3,573.12	3,573.86
TW-U									3,572.28	3,572.13	3,573.88	3,574.10	3,574.15	3,573.77	3,573.79	3,573.19	3,572.84	3,573.66
TW-V									3,572.11	3,571.97	3,573.83	3,574.00	3,573.89	3,573.67	3,573.65	3,573.05	3,572.69	3,573.58
TW-W									3,573.07	3,572.93	3,574.50	3,574.80	3,573.76	3,574.54	3,574.57	3,573.99	3,573.65	3,574.30

Notes: All units feet
A blank cell denotes that the well had not been installed at the time of the measurement
Wells TW-E and TW-F were plugged and abandoned in July 2002
NM fluid level(s) not measured.

Table 4 - Summary of Free Phase Hydrocarbon Thickness Measurements

Well	Jun-02	Aug-02	Sep-02	Dec-02	Mar-03	Jun-03	Sep-03	Dec-03	Mar-04	Apr-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06
MW-1	0.02	0.29	0.35	0.55	1.67	2.15	2.36	0.79	2.79	2.81	0.58	0.85	0.10	0.00	0.01	0.00	0.02	0.06	0.1	0.0
MW-2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08		3.04	1.05	3	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.0
MW-4*	2.86	3.38	3.36	3.11	3.39	3.40	3.43	3.46	3.5	3.08	3.16	3.28	1.44	0.93	1.28	1.3	1.05	1.21	NM	1.68
MW-8*	1.88	2.50	2.53	2.47	2.66	2.56	2.53	2.55	2.68	2.49	2.57	2.53	1.07	0.67	0.84	0.62	0.94	1.30	NM	0.93
MW-9	0.01	0.01	0.52	0.46	0.88	1.21	1.19	1.29	1.38	1.37	0.86	1.13	1.74	1.74	2.00	2.12	2.28	2.79	3.21	2.81
MW-10	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.04	0.01	0.00	0.00	0.0	0.00	0.00	0.00	0.02	0.00	0.00	0.0	0.0
MW-11*	3.09	6.57	7.21	7.45	7.41	7.91	10.38	11.52	12.17	11.36	11.41	11.59	7.84	0.01	0.04	0.02	1.10	2.22	NM	5.41
MW-12	2.79	2.83	2.81	2.70	3.10	3.33	3.51	3.93	4.32	3.90	4.24	4.44	1.8	1.75	1.91	1.99	1.84	2.31	2.69	1.98
MW-13*	7.37	8.59	8.62	8.42	8.88	8.69	8.46	9.02	8.09	8.15	8.27	6.39	7.94	0.03	0.16	0.34	3.30	3.31	NM	4.57
MW-17	0.01	0.64	0.06	0.11	0.18	0.24	0.02	0.31	0.33	0.22	0.34	0.37	0.19	0.22	0.32	0.26	0.37	0.46	0.5	0.00
MW-18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.0	0.00
TW-A*	1.15	2.70	3.41	3.67	3.96	3.93	3.93	3.99	4.09	3.89	3.79	3.74	1.98	0.06	0.17	0.18	0.06	0.34	NM	0.01
TW-B*	5.24	5.28	5.22	5.17	5.48	5.59	5.94	6.34	6.7	6.48	6.66	6.72	3.95	0.27	0.36	0.72	2.53	1.69	NM	2.06
TW-C*	9.84	10.52	10.6	10.58	11.58	2.66	2.43	12.28	0.56	11.96	12.11	11.95	6.79	0.06	0.19	0.27	0.39	0.46	NM	0.43
TW-D*	8.00	8.51	8.45	8.49	8.51	8.11	7.70	7.17	6.91	7.22	6.30	0.34	7.93	0.25	0.45	2.00	5.90	7.08	NM	7.86
TW-G*	2.29	NM	1.84	1.75	2.09	0.49	3.44	3.77	3.67	4.01	3.73	3.93	0.78	0.29	0.41	0.86	0.55	1.29	NM	1.01
TW-I*	3.60	3.75	3.74	3.85	4.21	4.37	4.82	5.48	5.85	5.47	5.81	5.95	2.90	0.67	2.66	2.16	2.10	2.96	NM	0.0
TW-J*	1.28	5.39	6.01	6.16	6.54	6.90	7.74	8.44	8.87	8.19	8.18	8.32	3.69	0.01	0.01	0.02	0.03	0.03	NM	0.0
TW-K	5.95	8.00	7.91	7.76	7.80	8.25	8.50	8.62	8.76	8.47	8.54	8.45	6.06	5.63	6.76	5.95	5.86	6.76	7.39	6.53
TW-L*	5.34	7.91	7.88	7.79	8.05	8.09	8.23	8.30	8.39	8.19	8.24	5.59	5.41	0.19	0.28	3.43	5.03	5.42	NM	0.0
TW-M*	0.00	0.15	0.20	0.01	0.45	0.54	0.63	0.65	0.7	0.60	0.66	0.7	0.28	0.00	0.00	0.00	0.00	0.09	NM	0.0
TW-N	0.00	0.02	0.00	0.01	0.03	0.01	0.02	0.04	0.05	0.04	0.05	0.0	0.02	0.02	0.01	0.02	0.02	0.02	0.03	0.02
TW-O*	0.00	0.06	0.04	0.06	0.08	0.05	0.00	0.40	0.53	0.52	0.59	0.64	0.40	0.00	0.00	0.00	0.00	0.00	NM	0.0
TW-P*	0.00	0.00	1.33	2.53	4.21	4.91	5.42	5.90	6.36	6.46	6.65	6.42	4.15	0.32	0.01	1.74	3.08	2.97	NM	0.0
TW-R*	1.50	0.03	1.65	2.65	4.31	5.74	6.59	6.46	6.36	6.35	5.39	0.12	0.00	0.02	0.01	0.20	0.16	0.88	NM	3.51
TW-S*								1.82	5.15	5.31	5.51	5.22	3.17	0.01	0.01	0.03	0.35	2.06	NM	2.94

Notes: All units feet.

NM: value not measured.. A blank cell denotes that the well had not been installed at the time of the measurement

Wells highlighted with an asterisk (*) are part of the free phase hydrocarbon collection system.

Table 5 – September 2006 Groundwater Monitoring Results

	Benzene	Toluene	Ethylbenzene	Xylenes
NMWQCC Standards	0.01	0.75	0.75	0.62
MW-14	**0.176**	0.0127	0.015	0.0256
MW-14 Duplicate	**0.187**	0.0153	0.0204	0.0265
MW-15	0.002	<0.002	<0.002	<0.006
MW-16	<0.002	<0.002	<0.002	<0.006
MW-19	<0.002	<0.002	<0.002	<0.006
MW-19D	<0.002	<0.002	<0.002	<0.006
MW-20	<0.002	<0.002	<0.002	<0.006
MW-21	<0.002	<0.002	<0.002	<0.006
MW-22	<0.002	<0.002	<0.002	<0.006
Trip Blank	<0.002	<0.002	<0.002	<0.006

All units mg/l
NMWQCC Standards: New Mexico Water Control Commission groundwater standards.

September 27, 2006 MW-14 Duplicate Sample Evaluation

	Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-14 RPD	6.1%	18.6%	30.5%	3.5%

September 27, 2006 Matrix Spike Results

	Benzene	Toluene	Ethylbenzene	Xylenes
Matrix Spike	128/121	104/110	101/118	105/119
Matrix Spike Duplicate	118/116	96/120	93/117	98/124

Percent recovery limits are 80% to 120%
Neither sample that was analyzed for MS/MSD was from the site sample set

Table 6 – Summary of Benzene Concentrations in Groundwater

Well	Jul-99	May-00	Aug-00	Oct-00	Feb-01	May-01	Aug-01	Oct-01	Mar-02	Jun-02	Sep-02	Dec-02	Mar-03	Jun-03	Sep-03	Dec-03	Jan-04	Jan-04	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06
MW-1	0.232	0.191	0.181	0.197	0.570			0.144																	0.0169				
MW-2	0.934	1.330	1.420	1.020	2.110	0.848	1.760	1.3	0.712					0.277											0.118			0.534	
MW-3	0.262	0.202	0.011	<.005	0.346	<.001	0.345	0.029	<0.001	0.009				<0.001						<0.001					0.0025			0.0018	
MW-4																													
MW-5	<.005	<.005	<.005	<.005	<.005	<.001	<.001	<0.001	<0.001	<0.001				<0.001						<0.001					<0.002			<0.002	
MW-6	<.005	<.005	<.005	<.005	<.005	<.001	<.001	<0.001	<0.001	<0.005				<0.001						<0.001					<0.002			<0.002	
MW-7		<.005	<.005	<.005	<.005	<.001	<.001	<0.001	<0.001	0.0039				<0.001														<0.002	
MW-8		0.824			0.950	0.294	1.230																						
MW-9		0.702																											
MW-10				0.535				1.13						1.030						0.676								0.615	
MW-11																													
MW-12																													
MW-13																													
MW-14				<.005	0.041	0.002	0.034	0.029	<0.001	0.068	0.126	0.0685	0.0820	0.0414	<0.001	<0.005			0.0212	<0.005	0.0648	0.0024	0.0852	0.475	<0.0784	0.0443	0.0223	0.0135	0.182
MW-15				<.005	0.237	0.003	0.353	0.317	<0.001	0.358	<0.005	<0.005	<0.005	0.352	/<0.005	<0.001			0.0203	<0.005	<0.005	<0.002	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	0.002
MW-16				<.005	0.094	0.01	0.098	0.012	<0.001	<0.005	0.0363	0.0042	<0.001	<0.001	<0.001	0.0013			<0.005	0.0036	0.0064	<0.002	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002
MW-17							0.04	0.076																					
MW-18				<.005	<.005	0.004	0.007	0.036	<0.001					<0.005						0.0108								0.0134	
MW-19				<.005	<.005	0.001	<.005	0.035	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.002	0.0019	0.0012	<0.002	<0.002	<0.002	<0.002	<0.002
MW-19D														<0.001	<0.001	0.0338	0.030	<0.005	<0.001	<0.001	<0.001	<0.002	0.00073J	0.0011	<0.002	<0.002	<0.002	0.0011	<0.002
MW-20											<0.001	<0.001	<0.005	<0.001	<0.001	<0.001			<0.001	<0.001	<0.005	<0.002	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002
MW-21											<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002
MW-22														<0.001	<0.001	0.0249	0.001		0.0169	<0.001	0.0091	<0.002	0.0013	<0.001	0.0066	0.0059	0.006	0.0034	<0.002

Notes: All units mg/l
Blank cells: Sample not collected
Duplicate samples averaged

Table 7 – Summary of Toluene Concentrations in Groundwater

Well	Jul-99	May-00	Aug-00	Oct-00	Feb-01	May-01	Aug-01	Oct-01	Mar-02	Jun-02	Sep-02	Dec-02	Mar-03	Jun-03	Sep-03	Dec-03	Jan-04	Jan-04	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06
MW-1	0.029	0.034	0.035	0.028	0.020			<0.020																	<0.002				
MW-2	0.993	1.220	1.380	0.539	1.070	0.488	0.211	0.246	0.317					0.018											0.0153			0.0132	
MW-3	0.029	0.022	0.023	0.014	0.009	0.017	<.005	<0.010	<0.001	0.0072				<0.001						<0.001					<0.002			<0.002	
MW-4																													
MW-5	<.005	<.005	<.005	<.005	<.005	<.001	<.001	<0.001	<0.001	<0.001				<0.001						<0.001					<0.002			<0.002	
MW-6	<.005	<.005	0.008	<.005	<.005	<.001	<.001	<0.001	<0.001	<0.005				<0.001						<0.001					<0.002			<0.002	
MW-7		<.005	0.008	<.005	<.005	<.001	<.001	<0.001	<0.001	<0.001				<0.001														<0.002	
MW-8		<.005			<.005	0.008	<.01																						
MW-9		0.016																											
MW-10				0.061				0.85						0.099						<0.10								0.0195	
MW-11																													
MW-12																													
MW-13																													
MW-14				<.005	<.005	<.001	<.005	<0.001	<0.001	<0.005	<0.02	<0.01	<0.01	<0.001	<0.001	<0.005			<0.001	<0.005	<0.001	<0.002	<0.001	0.0041	<0.002	<0.002	<0.002	0.0010	0.0140
MW-15				<.005	<.005	0.003	<.005	<0.020	<0.005	<0.005	<0.005	<0.005	<0.005	0.001	<0.001	<0.001			<0.01	<0.005	<0.005	<0.002	<0.001	0.0048	<0.002	<0.002	<0.002	<0.002	<0.002
MW-16				<.005	<.005	0.004	<.005	<0.001	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001			<0.005	<0.001	<0.001	<0.002	<0.001	0.0127	<0.002	<0.002	<0.002	<0.002	<0.002
MW-17							<.001	<0.005																					
MW-18				<.005	<.005	0.003	<.001	<0.005	<0.005					<0.005						0.003								0.0017	
MW-19				<.005	<.005	<.001	<.005	<0.005	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.002	<0.001	0.072J	<0.002	<0.002	<0.002	<0.002	<0.002
MW-19D														<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.002	<0.001	0.0012	<0.002	<0.002	<0.002	<0.002	<0.002
MW-20											<0.001	<0.001	<0.005	<0.001	<0.001	<0.001			<0.001	<0.001	<0.005	<0.002	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002
MW-21											<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002
MW-22														<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.002	<0.001	0.0025	<0.002	<0.002	<0.002	<0.002	<0.002

Notes: All units mg/l
Blank cells: Sample not collected
Duplicate samples averaged

Table 8 – Summary of Ethylbenzene Concentrations in Groundwater

Well	Jul-99	May-00	Aug-00	Oct-00	Feb-01	May-01	Aug-01	Oct-01	Mar-02	Jun-02	Sep-02	Dec-02	Mar-03	Jun-03	Sep-03	Dec-03	Jan-04	Jan-04	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06
MW-1	0.168	0.344	0.273	0.285	0.287			0.236																	0.0468				
MW-2	0.192	0.309	0.298	0.235	0.334	0.396	0.255	0.314	0.220					0.101											0.0493			0.209	
MW-3	0.222	0.245	0.218	0.203	0.259	0.324	0.277	0.207	0.0056	0.081				0.056						0.0183					0.242			0.139	
MW-4																													
MW-5	<.005	<.005	<.005	<.005	<.005	<.001	<.001	<0.001	<0.001	<0.001				<0.001						<0.001					<0.002			<0.002	
MW-6	<.005	<.005	<.005	<.005	<.005	<.001	<.001	<0.001	<0.001	<0.005				<0.001						<0.001					<0.002			<0.002	
MW-7		<.005	<.005	<.005	<.005	<.001	<.001	<0.001	<0.001	<0.001				<0.001														<0.002	
MW-8		0.375			0.173	0.226	0.201																						
MW-9		0.096																											
MW-10				0.128				0.889						0.198						<0.10								0.185	
MW-11																													
MW-12																													
MW-13																													
MW-14				0.007	<.005	0.004	<.005	0.018	0.0022	<0.005	<0.02	<0.01	0.020	0.0150	0.0133	0.014			0.0151	0.0068	0.010	0.0113	0.0237	0.0726	0.0091	0.0102	0.0071	0.0046	0.018
MW-15				<.005	<.005	0.004	<.005	<0.020	0.0376	<0.005	<0.005	<0.005	<0.005	0.005	0.0527	0.0615			0.0497	<0.005	<0.005	<0.002	<0.001	0.0034	0.0022	<0.002	0.0049	0.0204	<0.002
MW-16				<.005	<.005	0.003	<.005	0.007	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001			<0.005	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002
MW-17							0.057	0.101																					
MW-18				0.017	<.005	0.020	<.001	0.089	<0.005					0.006						0.016								0.0017	<0.002
MW-19				<.005	<.005	<.001	<.005	<0.005	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002
MW-19D														<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002
MW-20											<0.001	<0.001	<0.005	<0.001	<0.001	<0.001			<0.001	<0.001	<0.005	<0.002	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002
MW-21											<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002
MW-22														<0.001	<0.001	0.001	0.00011		<0.001	<0.001	<0.001	<0.002	<0.001	0.0073	<0.002	<0.002	<0.002	0.00054	<0.002

Notes: All units mg/l
Blank cells: Sample not collected
Duplicate samples averaged

Table 9 – Summary of Total Xylenes Concentrations in Groundwater

Well	Jul-99	May-00	Aug-00	Oct-00	Feb-01	May-01	Aug-01	Oct-01	Mar-02	Jun-02	Sep-02	Dec-02	Mar-03	Jun-03	Sep-03	Dec-03	Jan-04	Jan-04	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05	Mar-06	Jun-06	Sep-06
MW-1	0.229	0.604	0.450	0.466	0.461			0.12																	0.0655				
MW-2	0.359	0.501	0.541	0.394	0.597	0.772	0.452	0.243	0.227					0.100											0.098			0.356	
MW-3	0.287	0.291	0.264	0.290	0.285	0.346	0.316	0.146	0.008	0.104				0.0719						0.0118					0.168			0.089	
MW-4																													
MW-5	<.005	<.005	<.005	<.005	<.005	<.001	<.001	<0.001	<0.001	<0.001				<0.001						<0.001					<0.006			<0.006	
MW-6	<.005	0.038	0.007	<.005	<.005	<.001	<.001	<0.001	<0.001	<0.005				<0.001						<0.001					<0.006			<0.006	
MW-7		<.005	0.008	<.005	<.005	<.001	<.001	<0.001	<0.001	<0.001				<0.001														<0.006	
MW-8		0.742			0.286	0.34	0.449																						
MW-9		0.208																											
MW-10				1.280				2.38						0.307						0.153								0.259	
MW-11																													
MW-12																													
MW-13																													
MW-14				<.005	<.005	<.001	<.005	<0.001	0.0016	<0.005	<0.02	<0.01	<0.01	0.0020	0.0013	<0.005			<0.001	<0.005	0.0029	0.0034	0.0043	0.0013	<0.006	0.0031	0.0027	0.0040	0.0261
MW-15				<.005	<.005	<.001	<.005	<0.020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	0.001			<0.01	<0.005	<0.005	<0.006	<0.002	<0.002	<0.006	<0.006	<0.006	0.0038	<0.006
MW-16				<.005	<.005	0.004	<.005	0.002	0.0024	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001			<0.005	<0.001	<0.001	<0.006	<0.002	<0.002	<0.006	<0.006	<0.006	<0.006	<0.006
MW-17							0.057	0.278																					
MW-18				0.143	<.005	0.009	0.030	0.238	<0.005					0.006						0.0222								0.0229	
MW-19				<.005	<.005	<.001	<.005	<0.005	0.0016	0.0028	<0.005	<0.001	<0.005	0.002	<0.001	0.0016			<0.001	<0.001	<0.001	<0.006	<0.002	<0.002	<0.006	<0.006	<0.006	<0.006	<0.006
MW-19D														<0.001	<0.001	0.0014	0.00100	<0.005	<0.001	<0.001	<0.001	<0.006	<0.002	<0.002	<0.006	<0.006	<0.006	<0.006	<0.006
MW-20											<0.001	<0.001	<0.005	<0.001	<0.001	<0.001			<0.001	<0.001	<0.005	<0.006	<0.002	<0.002	<0.006	<0.006	<0.006	<0.006	<0.006
MW-21											<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	<0.006	<0.002	<0.002	<0.006	<0.006	<0.006	<0.006	<0.006
MW-22														<0.001	<0.001	<0.001	0.00240		0.001	<0.001	<0.001	<0.006	<0.002	0.0021	<0.006	<0.006	<0.006	<0.006	<0.006

Notes: All units mg/l
Blank cells: Sample not collected
Duplicate samples averaged

FIGURES

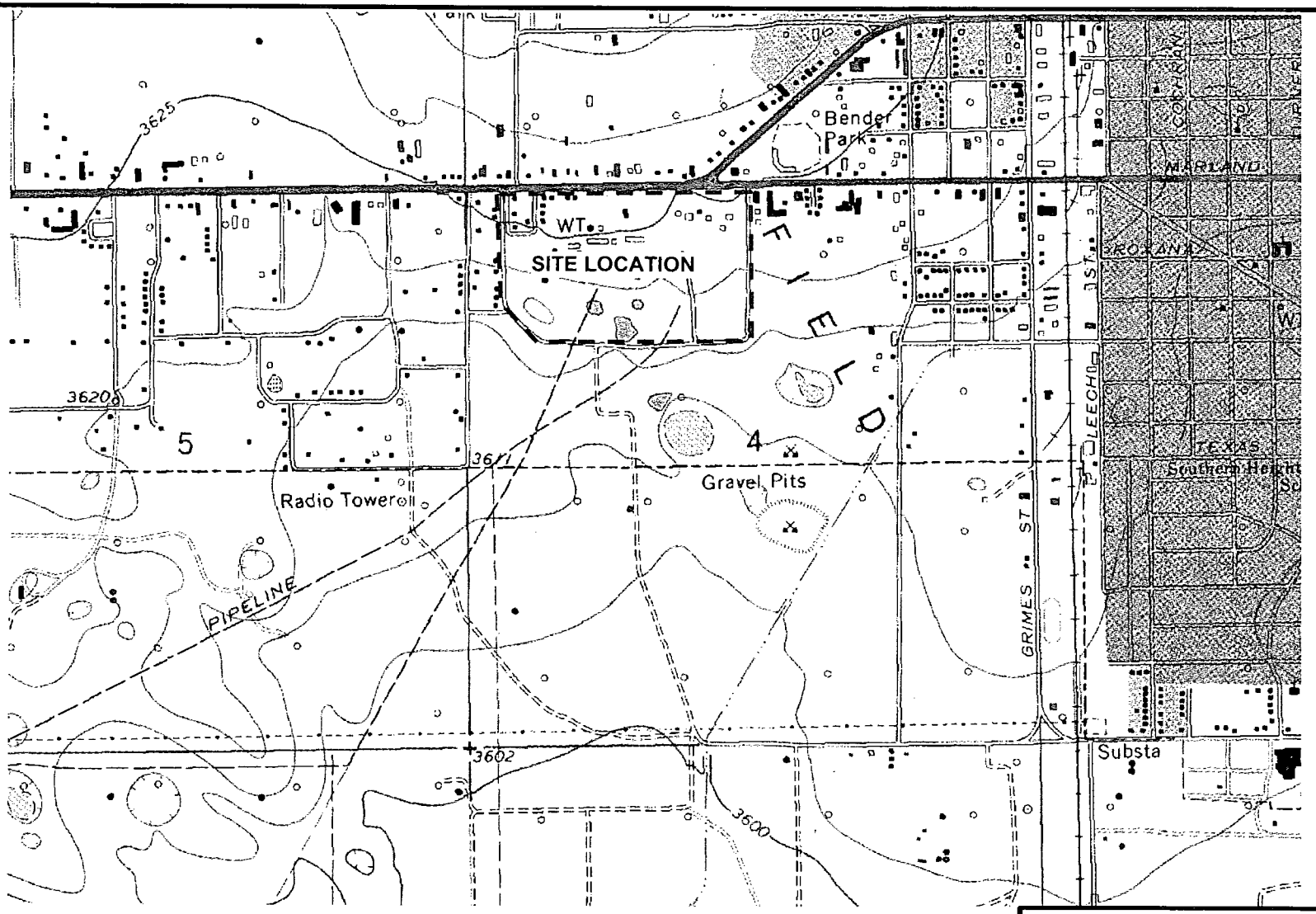


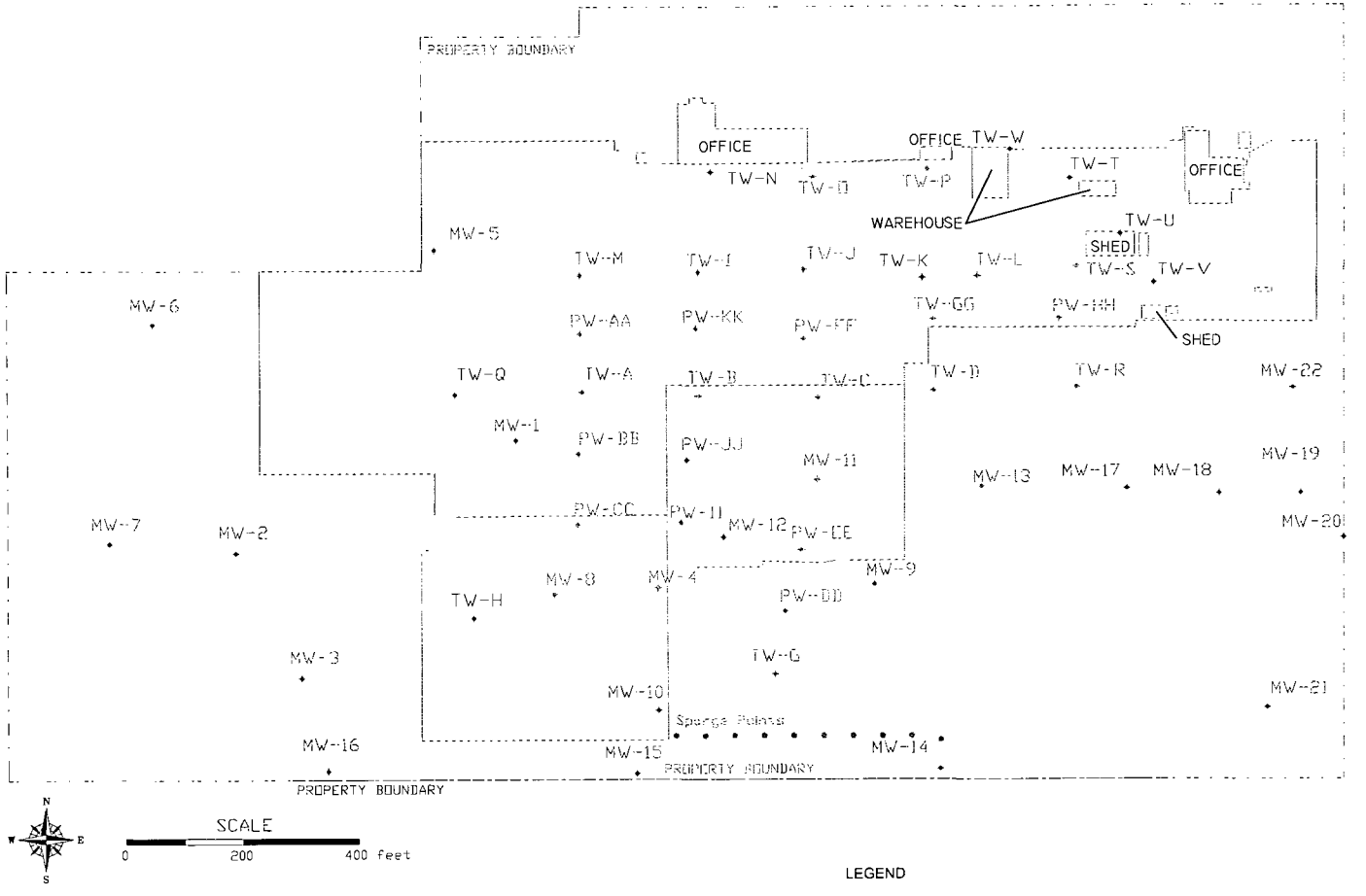
Figure 1 – DEFS Hobbs Booster Station Location

Hobbs Booster Station

Duke Energy Field Services

DRAWN BY: MHS

DATE: 3/04



LEGEND

The blue wells are monitored either quarterly or annually when no free phase hydrocarbons are present.

The red wells are part of the free phase hydrocarbon collection system.

The black wells are used for fluid level measurements.

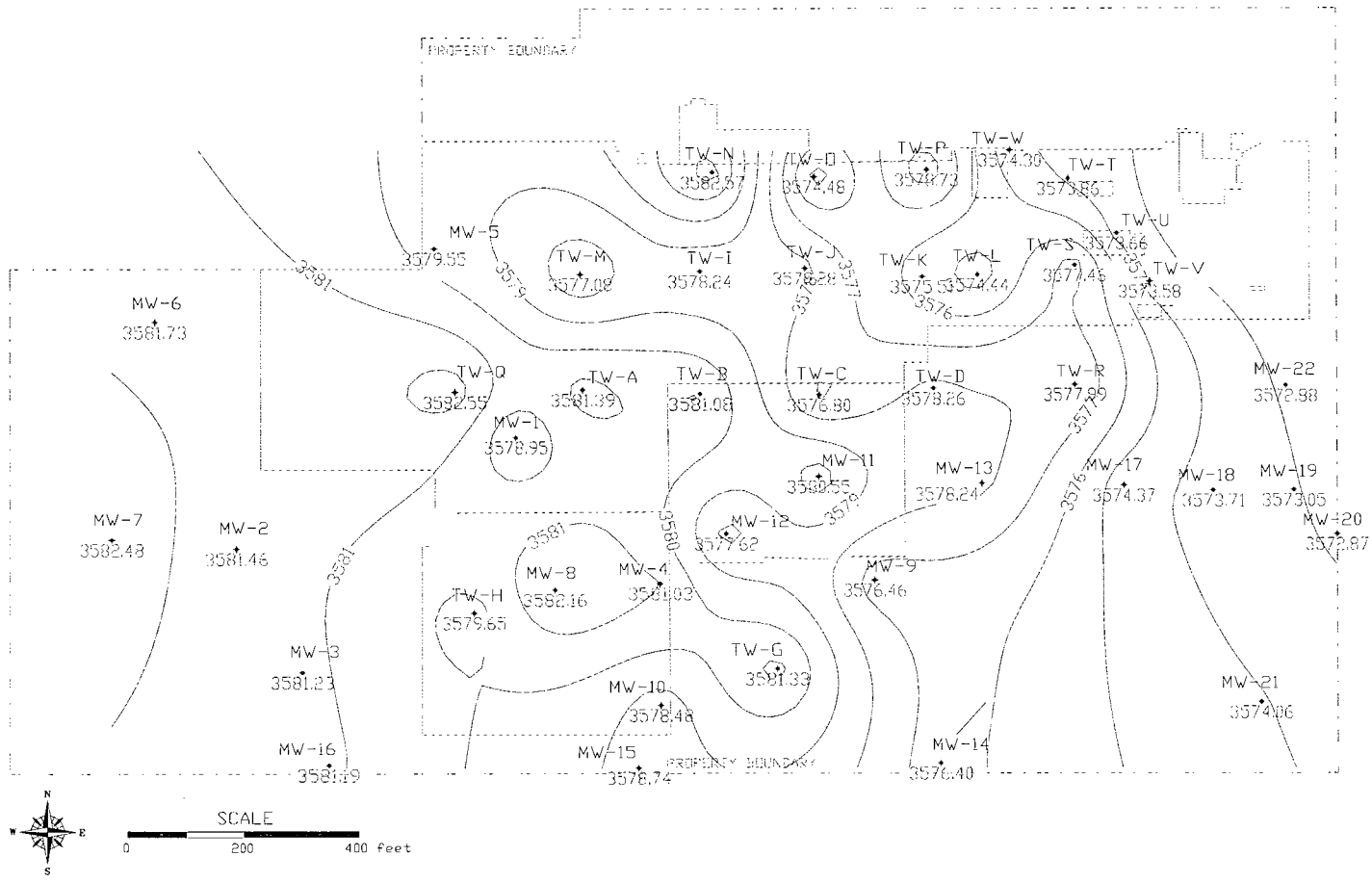
Figure 2 – Well Locations and Uses

Hobbs Booster Station

Duke Energy Field Services

DRAWN BY: MHS

DATE: 6/05



Contour Interval 1 foot

Figure 3 – September 2006 Water-Table Contours

Hobbs Booster Station

Duke Energy Field Services

DRAWN BY: MHS

DATE: 12/06

Figure 4 – Hydrographs for the Southern Boundary Wells

Hobbs Booster Station

Duke Energy Field Services

DRAWN BY: MHS

DATE: 12/06

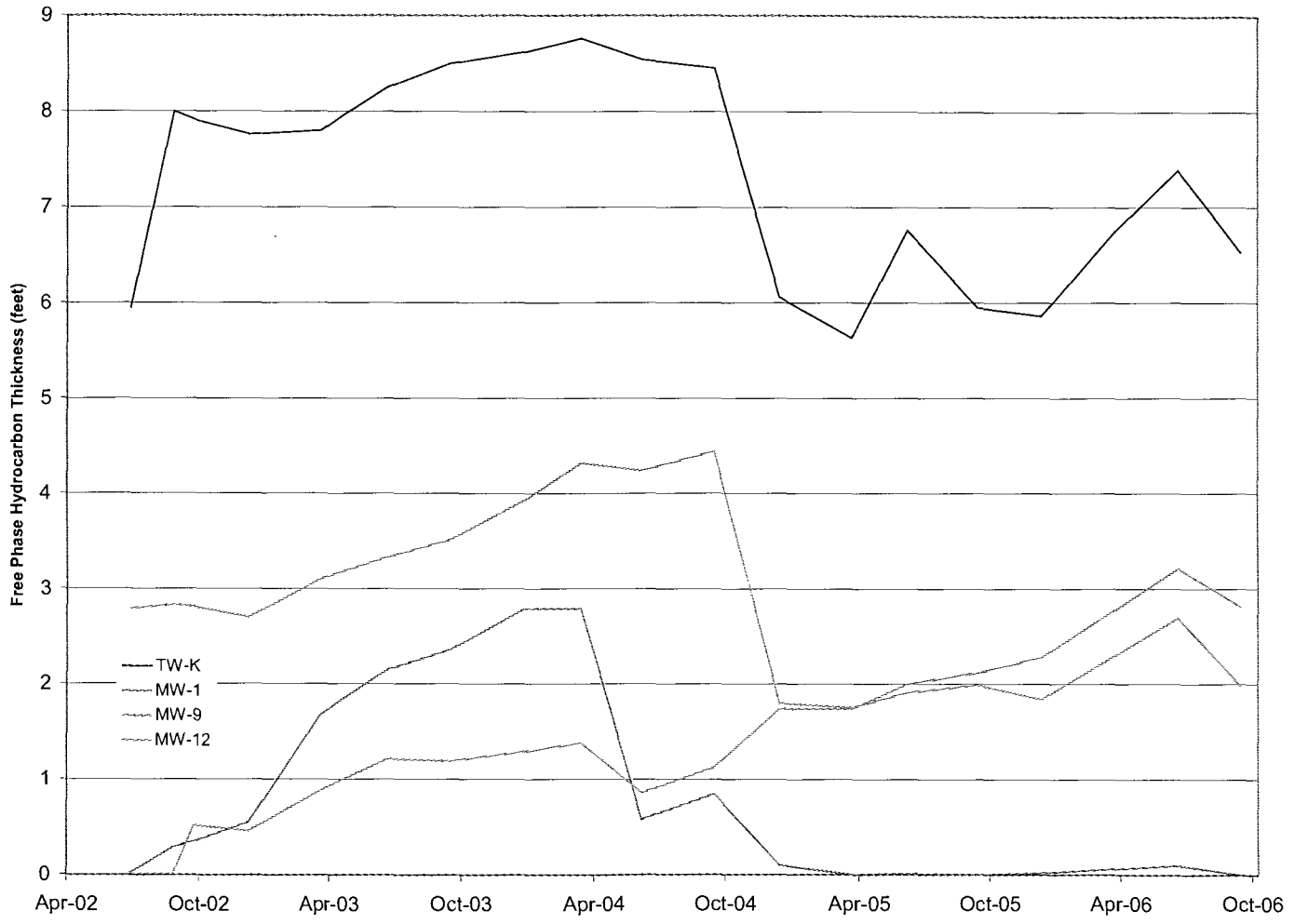


Figure 5 – Plots of Free Phase Hydrocarbons Verses Time for Wells Not in the FPH Collection System.

Hobbs Booster Station

Duke Energy Field Services

DRAWN BY: MHS

DATE: 12/06

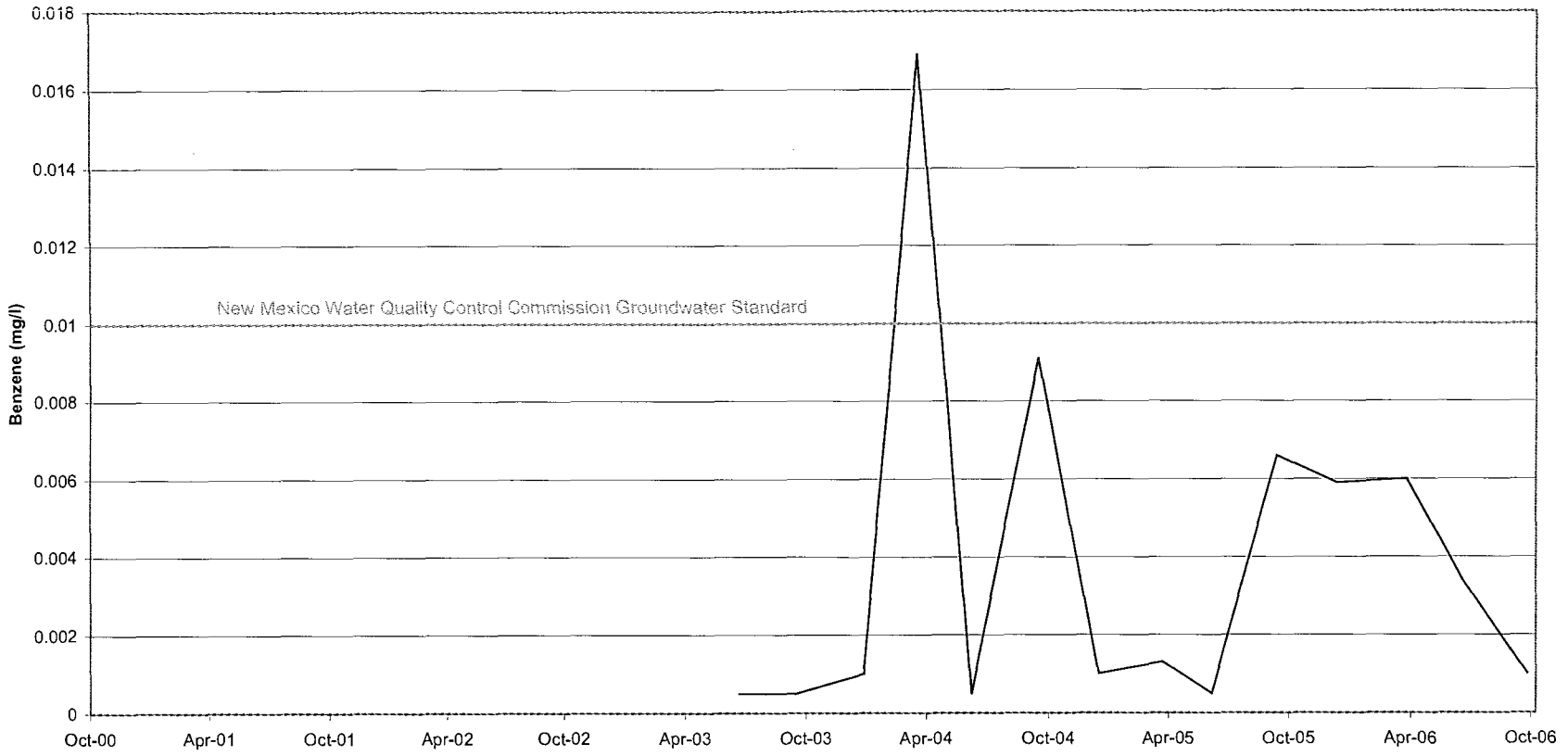


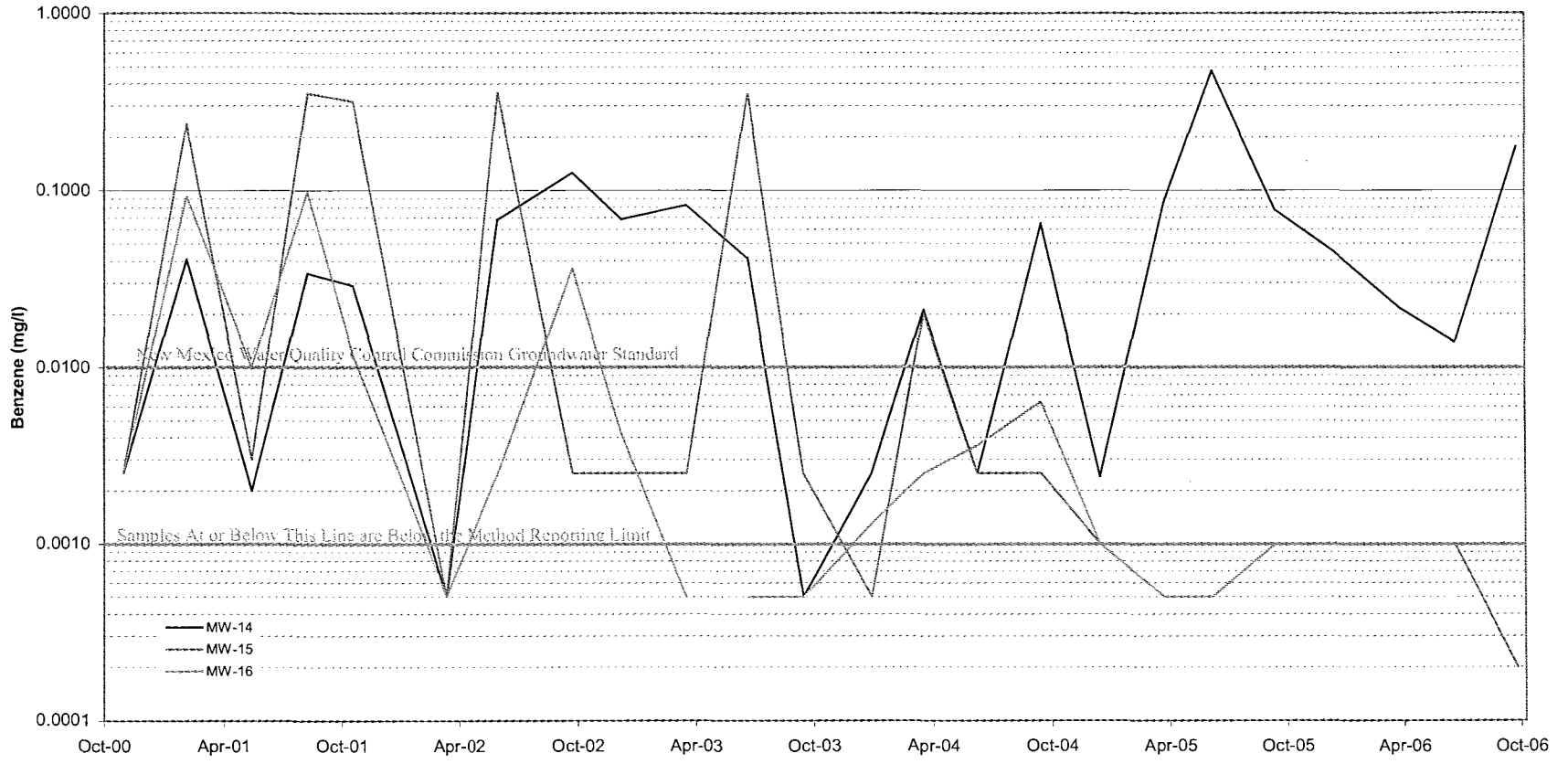
Figure 6 – Benzene concentrations in MW-22

Hobbs Booster Station

Duke Energy Field Services

DRAWN BY: MHS

DATE: 12/06



Values that are shown at or below 0.001 mg/l are less than their reporting limits

Figure 7 – Benzene concentrations (mg/l) in South Boundary Wells

Hobbs Booster Station

Duke Energy Field Services

DRAWN BY: MHS

DATE: 12/06

ANALYTICAL REPORT

Technical Report for

Duke Energy Field Services

AECCOLI: Hobbs Booster Station

HOBBS, NEW MEXICO

Accutest Job Number: T14867

Sampling Date: 09/27/06

Report to:

American Environmental Consulting

mstewart@aecdenver.com

ATTN: Mike Stewart

Total number of pages in report: 24

ACCREDITED IN ACCORDANCE WITH nelac

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

Ron Martino
Laboratory Manager

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Table of Contents

Sections: 1 2 3 4

Accutest Laboratories

Sample Summary

Duke Energy Field Services

Job No: T14867

AECCOLI: Hobbs Booster Station
Project No: HOBBS, NEW MEXICO

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
T14867-1	09/27/06	10:15 SW	10/04/06	AQ	Ground Water	MW-14
T14867-2	09/27/06	11:15 SW	10/04/06	AQ	Ground Water	MW-15
T14867-3	09/27/06	10:50 SW	10/04/06	AQ	Ground Water	MW-16
T14867-4	09/27/06	08:40 SW	10/04/06	AQ	Ground Water	MW-19S
T14867-5	09/27/06	09:05 SW	10/04/06	AQ	Ground Water	MW-19D
T14867-6	09/27/06	09:40 SW	10/04/06	AQ	Ground Water	MW-20
T14867-7	09/27/06	09:40 SW	10/04/06	AQ	Ground Water	MW-21
T14867-8	09/27/06	09:05 SW	10/04/06	AQ	Ground Water	MW-22
T14867-9	09/27/06	00:00 SW	10/04/06	AQ	Ground Water	DUP
T14867-10	09/27/06	00:00 SW	10/04/06	AQ	Trip Blank Water	TRIP BLANK

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	T14867-1	Date Sampled:	09/27/06
Matrix:	AQ - Ground Water	Date Received:	10/04/06
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: Hobbs Booster Station		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B120190.D	1	10/04/06	FO	n/a	n/a	VB1312
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	176	2.0	0.23	ug/l	
108-88-3	Toluene	12.7	2.0	0.54	ug/l	
100-41-4	Ethylbenzene	15.0	2.0	0.48	ug/l	
1330-20-7	Xylene (total)	25.6	6.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		73-139%
17060-07-0	1,2-Dichloroethane-D4	90%		66-139%
2037-26-5	Toluene-D8	94%		77-148%
460-00-4	4-Bromofluorobenzene	95%		84-150%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-15		
Lab Sample ID:	T14867-2	Date Sampled:	09/27/06
Matrix:	AQ - Ground Water	Date Received:	10/04/06
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: Hobbs Booster Station		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B120191.D	1	10/04/06	FO	n/a	n/a	VB1312
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	2.0	2.0	0.23	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.48	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		73-139%
17060-07-0	1,2-Dichloroethane-D4	92%		66-139%
2037-26-5	Toluene-D8	91%		77-148%
460-00-4	4-Bromofluorobenzene	92%		84-150%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-16		
Lab Sample ID:	T14867-3	Date Sampled:	09/27/06
Matrix:	AQ - Ground Water	Date Received:	10/04/06
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: Hobbs Booster Station		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B120260.D	1	10/07/06	FO	n/a	n/a	VB1317
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	2.0	0.23	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.48	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		73-139%
17060-07-0	1,2-Dichloroethane-D4	112%		66-139%
2037-26-5	Toluene-D8	101%		77-148%
460-00-4	4-Bromofluorobenzene	101%		84-150%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-19S		
Lab Sample ID:	T14867-4	Date Sampled:	09/27/06
Matrix:	AQ - Ground Water	Date Received:	10/04/06
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: Hobbs Booster Station		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B120261.D	1	10/07/06	FO	n/a	n/a	VB1317
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	2.0	0.23	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.48	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		73-139%
17060-07-0	1,2-Dichloroethane-D4	106%		66-139%
2037-26-5	Toluene-D8	99%		77-148%
460-00-4	4-Bromofluorobenzene	99%		84-150%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-19D		
Lab Sample ID:	T14867-5	Date Sampled:	09/27/06
Matrix:	AQ - Ground Water	Date Received:	10/04/06
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: Hobbs Booster Station		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B120262.D	1	10/07/06	FO	n/a	n/a	VB1317
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	2.0	0.23	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.48	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		73-139%
17060-07-0	1,2-Dichloroethane-D4	106%		66-139%
2037-26-5	Toluene-D8	99%		77-148%
460-00-4	4-Bromofluorobenzene	99%		84-150%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-20		
Lab Sample ID:	T14867-6	Date Sampled:	09/27/06
Matrix:	AQ - Ground Water	Date Received:	10/04/06
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: Hobbs Booster Station		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B120263.D	1	10/07/06	FO	n/a	n/a	VB1317
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	2.0	0.23	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.48	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		73-139%
17060-07-0	1,2-Dichloroethane-D4	106%		66-139%
2037-26-5	Toluene-D8	99%		77-148%
460-00-4	4-Bromofluorobenzene	102%		84-150%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-21		
Lab Sample ID:	T14867-7	Date Sampled:	09/27/06
Matrix:	AQ - Ground Water	Date Received:	10/04/06
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: Hobbs Booster Station		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B120264.D	1	10/07/06	FO	n/a	n/a	VB1317
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	2.0	0.23	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.48	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		73-139%
17060-07-0	1,2-Dichloroethane-D4	101%		66-139%
2037-26-5	Toluene-D8	99%		77-148%
460-00-4	4-Bromofluorobenzene	96%		84-150%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-22		
Lab Sample ID:	T14867-8	Date Sampled:	09/27/06
Matrix:	AQ - Ground Water	Date Received:	10/04/06
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: Hobbs Booster Station		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B120265.D	1	10/07/06	FO	n/a	n/a	VB1317
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	2.0	0.23	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.48	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.1	ug/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	100%		77-148%
460-00-4	4-Bromofluorobenzene	105%		84-150%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	DUP		
Lab Sample ID:	T14867-9	Date Sampled:	09/27/06
Matrix:	AQ - Ground Water	Date Received:	10/04/06
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: Hobbs Booster Station		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B120266.D	1	10/07/06	FO	n/a	n/a	VB1317
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	187	2.0	0.23	ug/l	
108-88-3	Toluene	15.3	2.0	0.54	ug/l	
100-41-4	Ethylbenzene	20.4	2.0	0.48	ug/l	
1330-20-7	Xylene (total)	26.5	6.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		73-139%
17060-07-0	1,2-Dichloroethane-D4	94%		66-139%
2037-26-5	Toluene-D8	101%		77-148%
460-00-4	4-Bromofluorobenzene	100%		84-150%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	T14867-10	Date Sampled:	09/27/06
Matrix:	AQ - Trip Blank Water	Date Received:	10/04/06
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOLI: Hobbs Booster Station		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B120258.D	1	10/07/06	FO	n/a	n/a	VB1317
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	2.0	0.23	ug/l	
108-88-3	Toluene	ND	2.0	0.54	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.48	ug/l	
1330-20-7	Xylene (total)	ND	6.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		73-139%
17060-07-0	1,2-Dichloroethane-D4	102%		66-139%
2037-26-5	Toluene-D8	100%		77-148%
460-00-4	4-Bromofluorobenzene	95%		84-150%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories

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

FED-EX Tracking # 858677985819 | Bottle Order Control # |
Accutest Quote # | Accutest Job # T14867

Client / Reporting Information

Company Name: Duke Energy Field Services
Address: 370 17th Street Suite 2500
City: Denver State: Co Zip: 80202
Project Contact: Steve Weathers / Mike Stewart E-mail:
Phone #: 303-605-1718
Sampler's Name: Steve Weathers / Mike Stewart

Project Information

Project Name: DEFS Hobbs Booster
Street:
City: Hobbs State: NM
Project #: Hobbs Booster
Fax #:
Client Purchase Order #:

Requested Analysis

BTEX (8260)

Matrix Codes

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

Accutest Sample #	Field ID / Point of Collection	SUMMA # / MEOH Vial #	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Number of preserved Bottles: G	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	LAB USE ONLY
1	MW-14		11/27/06	1015		W	3	✓							✓
2	MW-15			1115				✓							✓
3	MW-16			1050				✓							✓
4	MW 19S			0840				✓							✓
5	MW 19D			0905				✓							✓
6	MW 20			0940				✓							✓
7	MW-21			0940				✓							✓
8	MW-22		↓	0905 GRAB		↓	↓	✓							✓
9	Dup		↓	—		W	3	✓							✓
10	Trip Blank						2	✓							✓

Turnaround Time (Business Days)

- [X] 10 Day STANDARD — Approved By: / Date:
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] Other

Emergency & Rush T/A data available VIA LabLink

Data Deliverable Information

- [ ] Commercial "A" — [ ] EDD Format
- [ ] Commercial "B"
- [ ] Reduced Tier 1
- [ ] Full Tier 1
- [ ] TRRP13

Commercial "A" = Results Only

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:
1		1	2	10/30/06 1800	2 10/6 1055
Relinquished by: 3	Date Time	Received by: 3	Relinquished by: 4	Date Time	Received by: 4
Relinquished by: 5	Date Time:	Received by: 5	Custody Seal #	Preserved where applicable [ ]	On Ice [X] Cooler Temp. 3.6°C

T14867: Chain of Custody
Page 1 of 2

ACCUTEST.

SAMPLE RECEIPT LOG

JOB #: T14867 DATE/TIME RECEIVED: 10/4/6

CLIENT: DUKE INITIALS: RM

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

1. (Y) N 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 or FIELD ID	BOTTLE #	DATE SAMPLED	MATRIX	VOLUME	LOCATION	PRESERV.	PH
1-8	1-3	9/27/6	AQ	VOA	VFRT	(1),2,3,4,5,6	U, (<2), >12, NA
9-10	1-2	✓	✓	✓	✓	(1),2,3,4,5,6	U, (<2), >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
		PM 10/4/6				1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA
						1,2,3,4,5,6	U, <2, >12, NA

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: FE

COOLER TEMP: 3.6 COOLER TEMP:

COOLER TEMP: COOLER TEMP:

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

3.1

T14867: Chain of Custody
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ACCUTEST. Laboratories

T14867

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: T14867
Account: DUKE Duke Energy Field Services
Project: AECCOLI: Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1312-MB	B120183.D	1	10/04/06	FO	n/a	n/a	VB1312

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

T14867-1, T14867-2

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	117%	73-139%
17060-07-0	1,2-Dichloroethane-D4	103%	66-139%
2037-26-5	Toluene-D8	96%	77-148%
460-00-4	4-Bromofluorobenzene	96%	84-150%

Method Blank Summary

Job Number: T14867
Account: DUKE Duke Energy Field Services
Project: AECCOLI: Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1317-MB	B120257.D	1	10/07/06	FO	n/a	n/a	VB1317

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

T14867-3, T14867-4, T14867-5, T14867-6, T14867-7, T14867-8, T14867-9, T14867-10

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	101%	73-139%
17060-07-0	1,2-Dichloroethane-D4	104%	66-139%
2037-26-5	Toluene-D8	98%	77-148%
460-00-4	4-Bromofluorobenzene	101%	84-150%

Blank Spike Summary

Job Number: T14867
Account: DUKE Duke Energy Field Services
Project: AECCOLI: Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1312-BS	B120181.D	1	10/04/06	FO	n/a	n/a	VB1312

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

T14867-1, T14867-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.7	103	67-118
100-41-4	Ethylbenzene	25	21.2	85	71-119
108-88-3	Toluene	25	21.4	86	70-121
1330-20-7	Xylene (total)	75	65.8	88	72-120

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	110%	73-139%
17060-07-0	1,2-Dichloroethane-D4	100%	66-139%
2037-26-5	Toluene-D8	94%	77-148%
460-00-4	4-Bromofluorobenzene	97%	84-150%

Blank Spike Summary

Job Number: T14867
Account: DUKE Duke Energy Field Services
Project: AECCOLI: Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1317-BS	B120256.D	1	10/07/06	FO	n/a	n/a	VB1317

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

T14867-3, T14867-4, T14867-5, T14867-6, T14867-7, T14867-8, T14867-9, T14867-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	27.1	108	67-118
100-41-4	Ethylbenzene	25	27.7	111	71-119
108-88-3	Toluene	25	28.4	114	70-121
1330-20-7	Xylene (total)	75	87.6	117	72-120

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	73-139%
17060-07-0	1,2-Dichloroethane-D4	102%	66-139%
2037-26-5	Toluene-D8	98%	77-148%
460-00-4	4-Bromofluorobenzene	102%	84-150%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T14867
Account: DUKE Duke Energy Field Services
Project: AECCOLI: Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T14860-1MS	B120188.D	1	10/04/06	FO	n/a	n/a	VB1312
T14860-1MSD	B120189.D	1	10/04/06	FO	n/a	n/a	VB1312
T14860-1	B120186.D	1	10/04/06	FO	n/a	n/a	VB1312

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

T14867-1, T14867-2

CAS No.	Compound	T14860-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	32.0	128*	29.6	118	8	65-122/15
100-41-4	Ethylbenzene	ND		25	25.3	101	23.2	93	9	70-123/18
108-88-3	Toluene	ND		25	26.1	104	24.0	96	8	70-123/18
1330-20-7	Xylene (total)	ND		75	79.1	105	73.8	98	7	71-122/16

CAS No.	Surrogate Recoveries	MS	MSD	T14860-1	Limits
1868-53-7	Dibromofluoromethane	111%	110%	113%	73-139%
17060-07-0	1,2-Dichloroethane-D4	100%	101%	103%	66-139%
2037-26-5	Toluene-D8	95%	92%	90%	77-148%
460-00-4	4-Bromofluorobenzene	95%	96%	91%	84-150%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T14867
Account: DUKE Duke Energy Field Services
Project: AECCOLI: Hobbs Booster Station

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T14829-5MS	B120274.D	1	10/08/06	FO	n/a	n/a	VB1317
T14829-5MSD	B120275.D	1	10/08/06	FO	n/a	n/a	VB1317
T14829-5	B120273.D	1	10/08/06	FO	n/a	n/a	VB1317

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

T14867-3, T14867-4, T14867-5, T14867-6, T14867-7, T14867-8, T14867-9, T14867-10

CAS No.	Compound	T14829-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	30.2	121	28.9	116	4	65-122/15
100-41-4	Ethylbenzene	ND		25	29.6	118	29.3	117	1	70-123/18
108-88-3	Toluene	ND		25	27.6	110	29.9	120	8	70-123/18
1330-20-7	Xylene (total)	ND		75	89.6	119	93.1	124*	4	71-122/16

CAS No.	Surrogate Recoveries	MS	MSD	T14829-5	Limits
1868-53-7	Dibromofluoromethane	104%	101%	105%	73-139%
17060-07-0	1,2-Dichloroethane-D4	106%	99%	107%	66-139%
2037-26-5	Toluene-D8	99%	97%	96%	77-148%
460-00-4	4-Bromofluorobenzene	99%	95%	98%	84-150%

Chavez, Carl J, EMNRD

From: Chavez, Carl J, EMNRD
Sent: Friday, December 07, 2007 2:29 PM
To: 'Weathers, Stephen W'; Price, Wayne, EMNRD
Cc: Price, Wayne, EMNRD; Johnson, Larry, EMNRD
Subject: RE: DCP Midstream, LP Hobbs Booster Station 3rd Quarter 2007 Groundwater Report (GW-044)

Mr. Weathers:

Good afternoon. The OCD has completed a review of past reports and the more recent September 19, 2007 letter with a proposal for further work from AEC, LLC. Based on the reports and proposal, the OCD comments and recommendations are as follows:

1) The OCD is concerned about the sparge system air flow rate, since too high a sparge rate can create mounding and alter ground water flow at the site. Please check to make sure your sparge air flow rates are adjusted to prevent mounding conditions at the site.

2) The OCD notices the screen intervals are larger than 10 feet and this results in significant dilution of ground water samples. Consequently, we generally recommend 15 foot screens (5 ft. to allow for water table flux). Consequently, the method of determining groundwater stabilization in the MWs before sampling is not acceptable. We recommend that you purge 3 volumes from the wells before sampling and do not attempt to use low-flow sample stabilization methods.

3) AEC should not use pumps that aerate ground water samples analyzed for VOCs. Use pumps that minimize volatilization (non-peristatltic) or use conventional designated bailers.

4) AEC should sample for chlorides unless it has shown that chlorides do not exist at the site.

5) Move SB-4 southwest of MW-14 to address possible southwesterly flow from MW-14. The rest of the SB one through three locations with well installation appear to be appropriate for the purpose of the proposed work; however, the OCD also recommends 3 more MWs at the following locations: between MWs 14 & 15; between MWs 14 & 21; and between MWs 20 & 21.

6) Report to OCD the disposition of fluids and cutting and provide analytical data results.

7) Wells with FPHs shall be monitored for product thickness similar to other wells with FPHs.

Please contact me if you have questions. Thank you.

Carl J. Chavez, CHMM
New Mexico Energy, Minerals & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Dr., Santa Fe, New Mexico 87505
Office: (505) 476-3491
Fax: (505) 476-3462
E-mail: CarlJ.Chavez@state.nm.us
Website: http://www.emnrd.state.nm.us/ocd/index.htm
(Pollution Prevention Guidance is under "Publications")

From: Weathers, Stephen W [mailto:SWWeathers@dcpmidstream.com]
Sent: Wednesday, November 14, 2007 8:43 AM
To: Price, Wayne, EMNRD
Cc: Chavez, Carl J, EMNRD
Subject: DCP Midstream, LP Hobbs Booster Station 3rd Quarter 2007 Groundwater Report (GW-044)

Mr. Price:

Attached you will find an electronic copy of the 3rd Quarter 2007 Groundwater Monitor Report along with a cover letter for the DCP Hobbs Booster Station **(GW-044)** remediation project located in Hobbs, New Mexico (Unit C and D, Section 4, T19S R38E).

A hard copy will follow in the mail and I will be sending a CD of this report to Larry Johnson at the Hobbs District Office.

If you have any questions, please give me a call at 303-605-1718.

Thanks

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

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
pENV000GW00154	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		
pENV000GW00242	Discharge Plan Permit	227	DCP MIDSTREAM L.P.	LG&E HADSON GILLESPIE/FEAGAN CS	I		12/28/1995	12/28/2005	A-24-17 S-35 E	Lea	Chavez	Hobbs	Santa Fe		
pENV000GW00331	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		
pENV000GW00326	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		
pENV000GW00187	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		
pENV000GW00163	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	
pENV000GW00228	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	
pENV000GW00156	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	
pENV000GW00303	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	
pENV000GW00178	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	
pENV000GW00173	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	
pENV000GW00171	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	
pENV000GW00161	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	
pENV000GW00311	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		
pENV000GW00252	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

pENV000GW0254	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.	
pENV000GW0088	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		
pENV000GW0002	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		
pENV000GW0009	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	
pENV000GW0016	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	
pENV000GW0017	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	
pENV000GW0024	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)
pENV000GW0025	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.	
pENV000GW0044	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.	
pENV000GW0149	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	

Chavez, Carl J, EMNRD

From: John Fergerson [jmfergerson@grandecom.net]
Sent: Sunday, December 17, 2006 10:41 PM
To: Chavez, Carl J, EMNRD; Johnson, Larry, EMNRD
Cc: Michael Stewart; Steve Weathers
Subject: Notification to Complete Quarterly Monitoring Well Gauging & Groundwater Sampling at DEFS-Hobbs Booster

Gentlemen,

I am notifying the NMOCD by this email that Trident Environmental, a subcontractor to Duke Energy Field Services, will be conducting quarterly monitoring well gauging & groundwater sampling at the DEFS-Hobbs Booster Station project site.

Following is a list of activities to be completed:

1) Measure fluid levels in all monitoring/recovery/temporary wells using an oil/water interface probe.
2) Purge select non-product monitoring wells. Parameter readings to be collected during purging activity.
3) Purge wells a minimum of 3 well volumes and until parameter reading have stabilized. Wells that bail dry will be bailed down and allowed to recover 3 times before collecting samples.
4) Collect groundwater samples for BTEX. At least 1 duplicate and a trip blank will accompany the samples and will be used to evaluate quality control.
5) Deliver samples to the analytical lab using standard chain of custody protocol.
6) Purge water will be disposed at a NMOCD approved facility.

The project site is located at 1625 W. Marland, City of Hobbs, Lea County, New Mexico. Legal description is Units C & D, Sec 4, T19S, R36E.

Gauging & groundwater sampling activity is scheduled to begin at 0800 MST on Wednesday, December 20, 2006.

If you have any questions and/or comments please contact me by email or by phone.

Thanks,

John Fergerson, PG
Trident Environmental
PO Box 7624
Midland, TX 79708
432-682-0008 (Main)
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432-638-7333 (Cell)
john@trident-environmental.com

Chavez, Carl J, EMNRD

From: Weathers, Stephen W [swweathers@duke-energy.com]
Sent: Monday, October 30, 2006 3:13 PM
To: Chavez, Carl J, EMNRD
Cc: Johnson, Larry, EMNRD; Michael Stewart
Subject: Additional Vacuum Enhancement Testing at DEFS Hobbs Booster Facility (GW-44)

Carl

Attached you will find a electronic copy of a work plan to conduct additional vacuum enhancement testing for the free phase hydrocarbon extraction system located at the Duke Energy Field Services Hobbs Booster Station located in Hobbs NM (Units C and D, Sec 4, T19S, R38E). DEFS would like to complete this test early next week. Upon completion of the field activates, DEFS will complete an assessment report summarizing the results of the test.

If you have any questions, please give me a call at 303-605-1718.

Stephen Weathers
Duke Energy Field Services.

AEC AMERICAN ENVIRONMENTAL CONSULTING, LLC

October 30, 2006

Mr. Stephen Weathers
Duke Energy Field Services, LP
370 Seventeenth Street, Suite 2500
Denver, Colorado 80202

Subject: Summary of Initial Assessment Activities and Recommendations for Further Evaluation of Adding Vacuum Enhancement to the Free Phase Hydrocarbon Extraction System at the Hobbs Booster Station, Hobbs New Mexico
Units C and D Section 4, T 19 S, R 38 E, NMPM: Discharge Plan GW-044

Dear Steve:

This letter summarizes the vacuum enhancement assessment activities completed September 26, 2006 through September 28, 2006 at the Hobbs Booster Station in Hobbs, New Mexico. The first section describes the activities that were completed. The middle section summarizes the testing that was completed. The final section discusses the results and provides a recommended follow up program.

ACTIVITIES COMPLETED

The investigative program was originally proposed in a September 21, 2006 letter.

The initial activities that were completed included:

1. The SVE blower on well TW-C was tested and found to be operating properly;

2. An independent air intake valve was added to better control the vacuum;

3. The depth to water and free phase hydrocarbons (FPH) was measured in the extraction well and the seven neighboring observation wells. Nippled slip caps were placed on the observation wells.

4. A step test was attempted at several vacuum levels to evaluate the vacuum-air flow relationship. No flow could be measured.

5. The blower was set to provide a maximum vacuum (initially 100 inches water) at 1200 hours on September 25, 2006. The pressure declined to 70 inches of water by 1320 hours.

The system was allowed to run in this configuration until 1705 hours on September 26, 2006. Vacuum levels were measured on the September 25, 2006 and September 26, 2006. The flow rate was also measured in TW-C. Vapor levels were also measured in

TW-C on September 25, 2006 with a photoionization detector. The results are summarized in Table 1.

Examination of Table 1 shows that: 1) the flow in TW-C was nominal (25 feet per minute) and; 2) virtually no vacuum was generated in the observation wells during the test. The vacuum was reduced to 50 inches of water at 1705 hours on September 26 to attempt to evaluate the system at a lower vacuum. The velocity and actual vacuum (relative to control well TW-K) in the observation wells remained essentially unchanged when they were measured for a final time at 0730 hours on September 27, 2006. The blower was turned off to evaluate the data collected. The fluid levels were also measured in TW-C and the seven observation wells at the end of the test. That data is provided in Table 2.

DISCUSSION

The blower produced nominal flow in TW-C and virtually no vacuum even in the observation wells that are only 25 feet away. The data in Table 2 suggests that limited FPH thinning may have occurred in the 25 foot observation wells west and south of TW-C although the results cannot be considered conclusive.

The subsurface materials consist of sands from the Ogallala Formation. Previous aquifer testing has shown that these materials possess sufficient permeability to readily permit the flow of fluids (both water and air) in these materials. The limiting factor was thus believed to be associated with the system rather than the subsurface materials.

Examination of the water levels in TW-C indicates that application of the vacuum produced 2.6 feet of upwelling in the well. The upper limit of the screen in TW-C is at 45 feet below ground surface (bgs) while the sand pack extends to 43 feet bgs. The depth-to-fluid measurements were from the top of the casing. The casing has an above-ground stick up of 2.61 feet so the top of the screen is actually 47.61 feet bgs. The well completion information for the other FPH collection wells, summarized in Table 3, indicates that the majority of these wells are completed in a similar fashion.

The final measured depth to water in TW-C was 47.36 feet bgs (Table 2). The water table was pulled above the top of the screen so the soils vapors could not enter the well.

The water table was approximately 50 feet bgs when the wells were installed in 2002. Heavy rains in the fall of 2004 raised the water table beneath the entire area several feet. Also water that percolated though the construction trenches produced increased pooling beneath the FPH collection area.

The depths to water and FPH in March 2006 and September 2006 are compared below (fluid levels were not measured in TW-C in June 2006):

Date	Depth to FPH (Feet BTOC)	Depth to Water (Feet BTOC)
March 2006	47.40	47.86
September 2006	49.97	50.40

BTOC: below top of casing

The above results indicate that the recent heavy rains have not affected the water table in a fashion similar to the 2004 precipitation. This fact is important because the water table historically declined at an approximate rate of 1 foot per year. This trend should continue to expose more of the screened interval in these wells to make them available to vacuum effects.

PROPOSED ADDITIONAL TESTING

Groundwater upwelling is common when a vacuum is applied; however, the effect is generally less and dissipates more rapidly in sandy materials. A more gradual application of vacuum to minimize upwelling should be evaluated before abandoning the concept of using the existing wells for vacuum enhancement. AEC recommends that the vacuum be started at a very low level and then increased gradually to attempt to minimize upwelling. The depth-to-fluids data collected during the test could also be compared to the September 2006 data to see if the trend for a declining water table remains.

The proposed program consists of starting the system at a very low vacuum and then measuring the upwelling response after several hours. If the conditions prove to be favorable, the vacuum could be gradually increased until a target vacuum between 50 and 80 inches of water is reached.

The system could then be set to run for a longer period if the vacuum can be established. The effects of the enhanced gradient on mobilizing the FPH toward the recovery wells could then be evaluated to measure the vacuum in the observation wells.

In addition, virtually no post-testing data evaluation would be necessary since the application of the vacuum and the system responses are relatively immediate, and they can be measured directly. The results would show that either a vacuum can be placed on the wells to accentuate FPH migration or that upwelling would prevent the long term use of the existing wells.

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

Sincerely,
AMERICAN ENVIRONMENTAL CONSULTING, LLC

Michael H. Stewart

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

MHS/tbm

Table 1 – Summary of Vacuum Readings

Date Time	9/25/06 1200	9/25/06 1320	9/25/06 1500	9/25/06 1800	9/26/06 710	9/26/06 1705	9/27/06 730
TW-C	100	70	80	80	87	50	60
OW-25W	0	NM	0.01	-0.07	-0.09	-0.01	-0.13
OW-50W	0.07	NM	0.1	0.02	-0.09	0.03	-0.12
OW-100W	0.05	NM	0.13	0.02	-0.04	0.03	-0.09
OW-25S	0.03	NM	0.01	-0.08	-0.16	-0.05	-0.16
OW-50S	0.07	NM	NM	0.01	-0.09	0.02	-0.12
OW-25E	0.06	NM	0.07	-0.07	-0.13	0.02	-0.16
OW-25N	0.06	NM	0.05	-0.07	-0.16	-0.02	-0.2
TW-K	0.12	NM	0.15	0.02	NM	0.02	-0.11
PID (in TW-C, ppm)	500	NM	95	420	NM	NM	NM
Velocity (in TW-C, fpm)	25	NM	25	25	25	NM	25

NM = value not measured

Table 2 – Summary of Fluid Measurement Data

Wells	Date	Time		Date	Time		
	9/25/06	1130		9/27/00	800		Delta
	DTFPH	DTW	FPH Thick	DTFPH	DTW	FPH Thick	FPH
TW-C	49.97	50.40	0.43	NONE	47.37	0.00	-0.43
OW-25W	49.12	57.78	8.66	49.11	57.59	8.48	-0.18
OW-50W	49.55	58.68	9.13	49.22	58.61	9.39	0.26
OW-100W	48.79	59.42	10.63	48.80	59.32	10.52	-0.11
OW-25S	48.96	58.08	9.12	49.00	57.94	8.94	-0.18
OW-50S	48.81	57.39	8.58	48.81	57.36	8.55	-0.03
OW-25E	49.01	59.03	10.02	48.97	58.98	10.01	-0.01
OW-25N	49.12	59.21	10.09	49.08	59.23	10.15	0.06

All units in feet
DTFPH: Depth to free phase hydrocarbons
DTW: Depth to water
FPH Thick: Free phase hydrocarbon

Table 3 – Summary of Hobbs Booster Station Well Construction and Use Information

Well	Total Well Depth	Screen Interval	Gravel Interval
MW-4	57	37-57	34-57
MW-8	58	36-56	34-58
MW-11	63	43-63	41-63
MW-13	69	44-64	38-64
TW-A	57	42-57	40-57
TW-B	57	44-59	42-59
TW-C	**60**	**45-60**	**43-60**
TW-D	50	35-50	33-50
TW-G	54	39-54	34-54
TW-I	60	45-60	43-60
TW-J	60	45-60	43-60
TW-L	60	45-60	43-60
TW-M	60	45-60	43-60
TW-O	60	45-60	42-60
TW-P	60	45-60	42-60
TW-R	60	45-60	43-45
TW-S	60	45-60	43-45

Notes: All units feet
Wells AA through KK were completed to 65 feet below ground surface and screened to 40 feet.

Chavez, Carl J, EMNRD

From: Weathers, Stephen W [swweathers@duke-energy.com]
Sent: Monday, October 23, 2006 12:26 PM
To: Chavez, Carl J, EMNRD
Cc: Ward, Lynn C; Michael Stewart
Subject: DEFS Hobbs Booster Station Groundwater Reports (GW-044)

Mr. Chavez:

Attached you will find one electronic copy of the 2005-2006 Annual Groundwater Monitor Report along with a cover letter for the DEFS Hobbs Booster Station (GW-044) remediation project located in Hobbs, New Mexico (Unit C and D, Section 4, T19S R38E).
I will be sending a CD of this report to Larry Johnson at the Hobbs District Office.

If you have any questions, please give me a call at 303-605-1718.

Thanks

Steve Weathers
Duke Energy Field Services

Chavez, Carl J, EMNRD

From: Weathers, Stephen W [swweathers@duke-energy.com]
Sent: Thursday, October 12, 2006 2:21 PM
To: Chavez, Carl J, EMNRD
Subject: Remediation Project Summaries.

Mr. Chavez

Attached you will find a brief summary of my remediation projects in New Mexico. Once you have had chance to review the projects, I would like to sit down with you at your convenience and discuss them further.

If you have any questions, please give me a call at 303-605-1718 or 303-619-3042.

Thanks

Steve Weathers
Duke Energy Field Services, LP

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.

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.

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.

CONTINUING TO EVALUATE DIFFERING FPH ENHACEMENT STRATEGIES

WILL EVALUATE AS BECAUSE THE BTEX CONCENTRATIONS REMAIN ELEVATED IN MW-14 (SOUTHERN BOUNDARY)

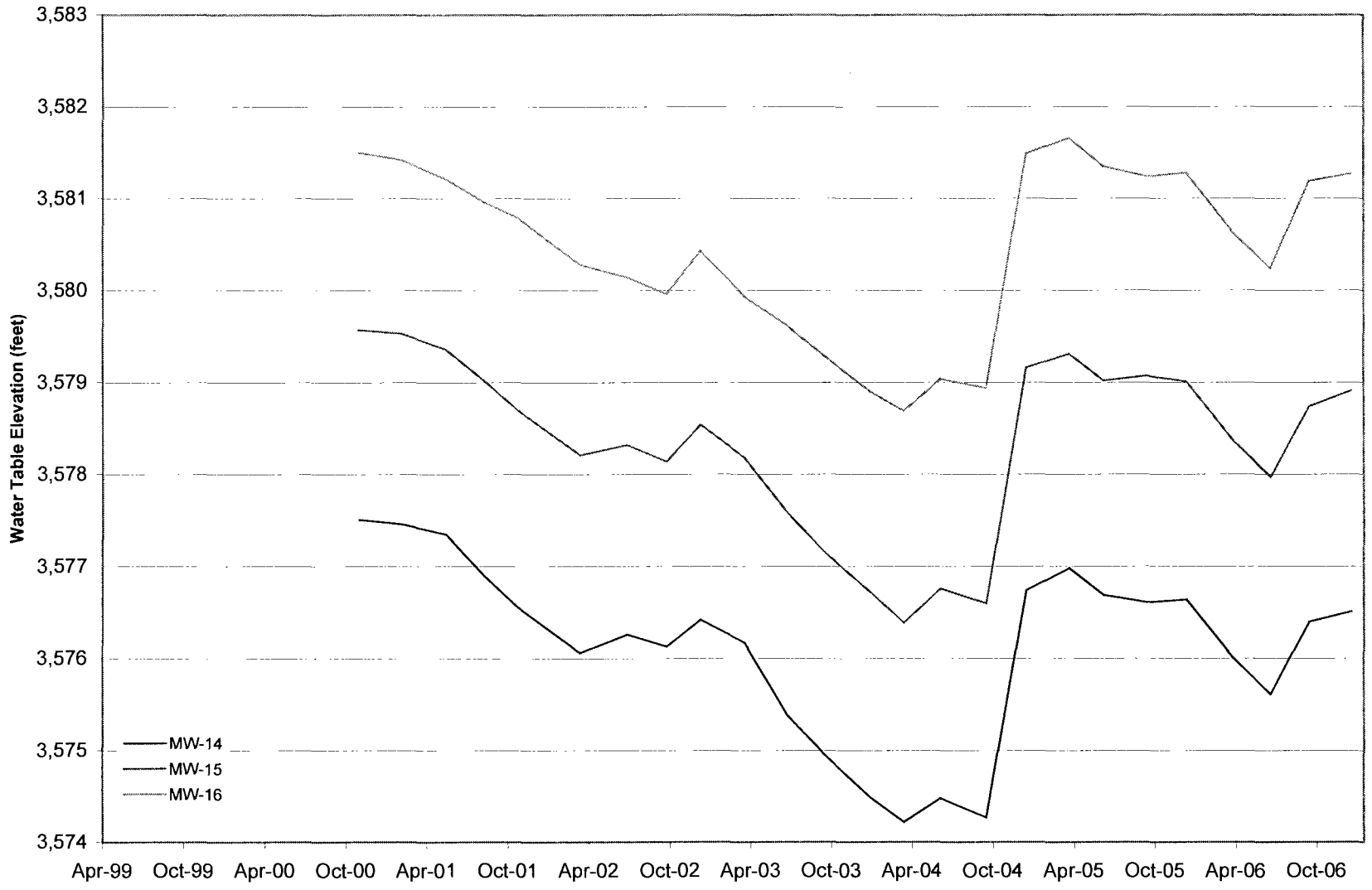


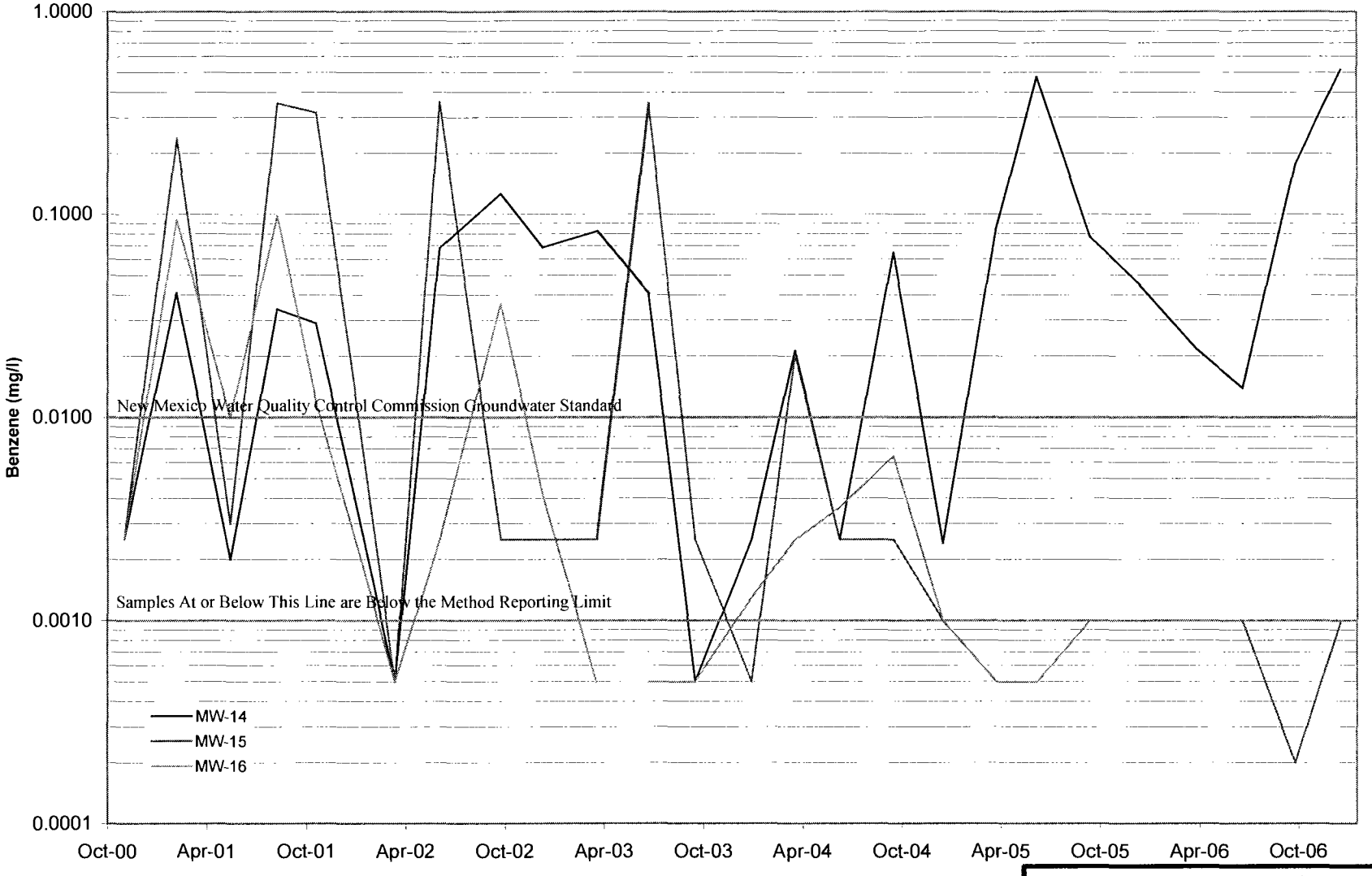
Figure 4 – Hydrographs for the Southern Boundary Wells

Hobbs Booster Station

DCP Midstream

DRAWN BY: MHS

DATE: 1/07



Values that are shown at or below 0.001 mg/l are less than their reporting limits

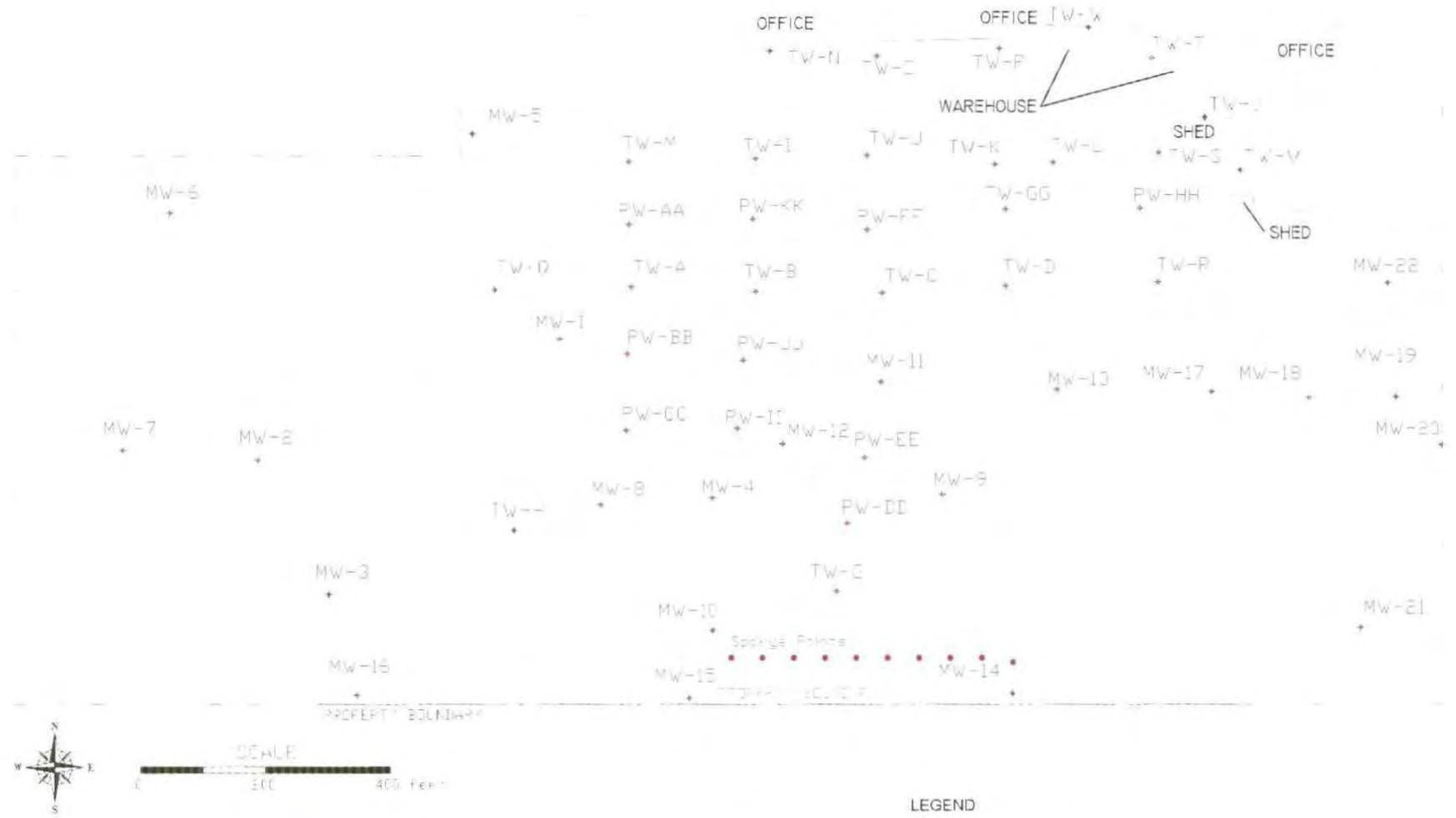
Figure 7 – Benzene Concentrations Verses Time in the South Boundary Wells

Hobbs Booster Station

dcp Midstream

DRAWN BY: MHS

DATE: 12/06



LEGEND

The blue wells are monitored either quarterly or annually when no free phase hydrocarbons are present.

The red wells are part of the free phase hydrocarbon collection system.

The black wells are used for fluid level measurements.

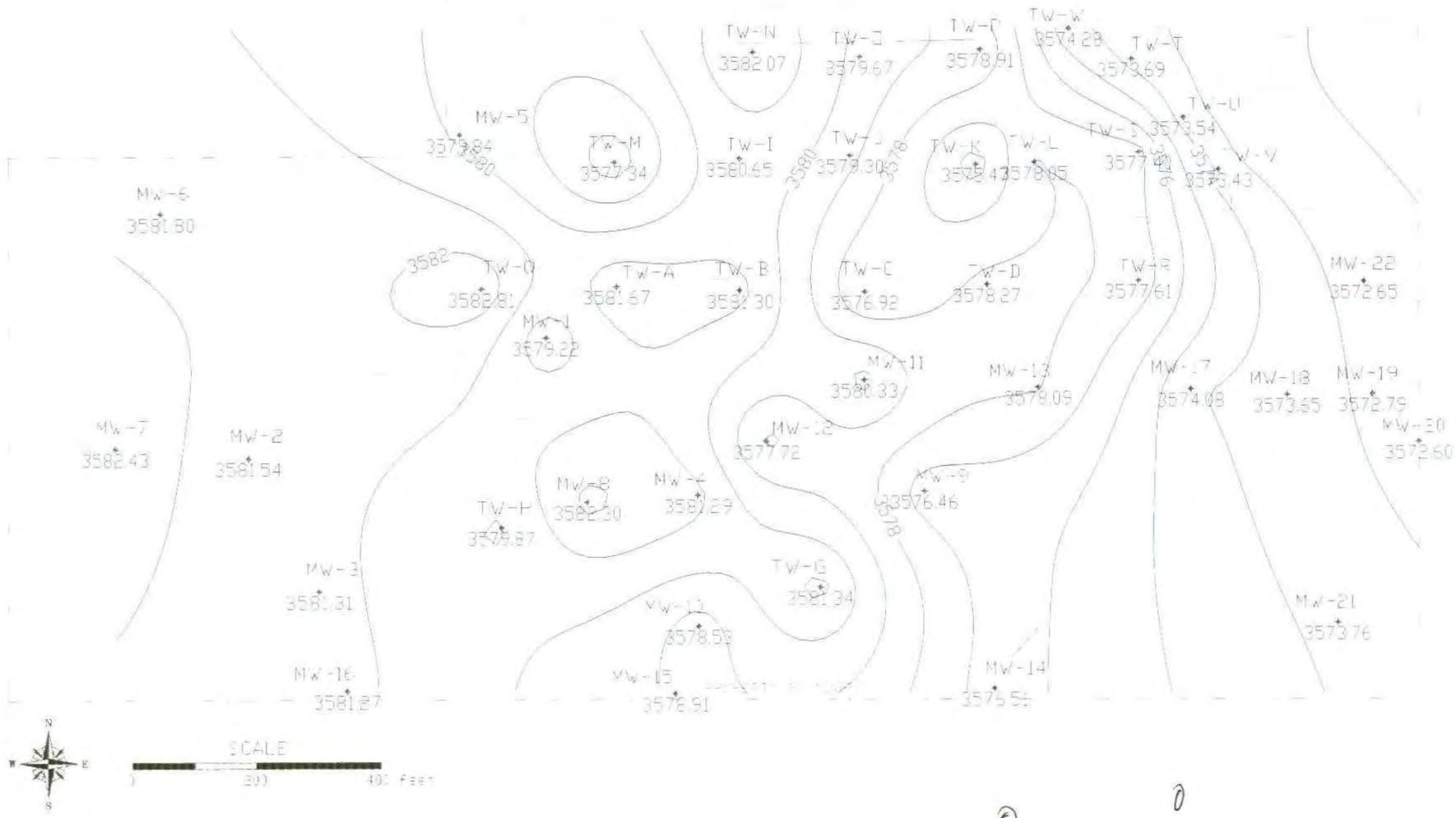
Figure 2 – Well Locations and Uses

Hobbs Booster Station

dcp Midstream

DRAWN BY: MHS

DATE: 6/05



Contour Interval 1 foot

Figure 3 – December 2006 Water-Table Contours

Hobbs Booster Station

dcp Midstream

DRAWN BY: MHS

DATE: 12/06

Duke Energy® Field Services

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

October 23, 2006

Mr. Carl Chavez
Environmental Bureau
New Mexico Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

RE: 2005-2006 Groundwater Monitoring Results
Hobbs Booster Station, Lea County New Mexico (GW-044)
Unit C and D, Section 4, Township 19 South, Range 38 East

Dear Mr. Chavez:

Duke Energy Field Services, LP (DEFS) is pleased to submit for your review, an electronic copy of the 2005-2006 Groundwater Monitoring Report for the DEFS Hobbs Booster Station located in Hobbs, New Mexico (Unit C and D Section 4, T19S, R38E (32.696 degrees North, 103.156 degrees West)

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

Sincerely

Duke Energy Field Services, LP

Stephen Weathers, PG
Sr. Environmental Specialist

cc: Larry Johnson, OCD Hobbs District Office (CD-Copy)
Lynn Ward, DEFS Midland Office
Environmental Files

Duke Energy®
Field Services

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

303 595 3331
303 605 2236 fax

November 29, 2004

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

RE: As-Built Drawings for the Free Product Recovery System
Duke Energy Field Services Hobbs Booster Station (GW-044)
Lea County, New Mexico
UL C and D, Section 4, T19S, R38E

Dear Mr. Ford:

Duke Energy Field Services, LP (DEFS) is pleased to submit one copy of the As-Built Drawings for the Design of the Free Product Recovery System at the DEFS Hobbs Booster Station located in Hobbs, NM. An additional copy of the As-Built Drawing will be submitted to the OCD Hobbs district office.

If you have any questions regarding the above mentioned design, please call me at 303-605-1718.

Sincerely

Duke Energy Field Services, LP

Stephen Weathers PG
Sr. Environmental Specialist

Enclosure

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

Ford, Jack

From: Stephen W. Weathers [swweathers@duke-energy.com]
Sent: Tuesday, September 07, 2004 9:03 AM
To: Ford, Jack
Subject: DEFS Hobbs Booster Remediation

HBS design sheetsrevisedfinal....

Jack
Hope you had a great labor day and got out to do something fun.

Thanks for moving quickly on your approval for the Hobbs Booster Remediation Workplan.

Attached is the revised drawings addressing the two wells that were designated the same (TW-D).

Let me know if you want me to submit a hard copy of the revision.

Thanks again

Steve

(See attached file: HBS design sheetsrevisedfinal.pdf)

Ford, Jack

From: Ford, Jack
Sent: Tuesday, September 07, 2004 10:21 AM
To: 'Stephen W. Weathers'
Subject: RE: DEFS Hobbs Booster Remediation

Steve:

Thanks for the revised drawings. This will be filed electronically in our files so a hard copy will not be necessary. I can just note on the previous hard copies the changes made. I did get to play a little golf this past weekend so even though the golf was lousy the outing was good!

Jack

-----Original Message-----
From: Stephen W. Weathers [mailto:swweathers@duke-energy.com]
Sent: Tuesday, September 07, 2004 9:03 AM
To: Ford, Jack
Subject: DEFS Hobbs Booster Remediation

Jack
Hope you had a great labor day and got out to do something fun.

Thanks for moving quickly on your approval for the Hobbs Booster Remediation Workplan.

Attached is the revised drawings addressing the two wells that were designated the same (TW-D).

Let me know if you want me to submit a hard copy of the revision.

Thanks again

Steve

(See attached file: HBS design sheetsrevisedfinal.pdf)

Ford, Jack

GW 464

From: John Fergerson [jmfergerson@grandecom.net]
Sent: Sunday, December 12, 2004 9:11 PM
To: Jack Ford; Larry Johnson
Cc: Mike Stewart; Steve Weathers
Subject: Notification to Complete Gauging & Groundwater Sampling Activity at The DEFS-Hobbs Booster 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-Hobbs Booster Station in Lea County, New Mexico. The activities include:

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

2) Purge monitoring wells 14, 15, 16, 19, 19d, 20, 21, 22. Parameter readings to be recorded during purging activity.

3) Collect groundwater samples for BTEX after parameter readings have stabilized and/or three well casing volumes of water have been removed. Wells that bail dry will be bailed and 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 1 duplicate sample and a trip blank will accompany the samples and will be used to evaluate quality control.

5) All purge water will be disposed at an OCD approved facility.

The project site is located at 1625 W. Marland, City of Hobbs, Lea County, New Mexico. Legal discription is Units C and D Section 4, Township 19 South, Range 38 East

Sampling activity is scheduled to begin at 0800-0900 MST on Thursday December 16, 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

Bob Pearson -
303-605-1722
303-810-3577

Duke Energy®
Field Services

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

303 595 3331

September 28, 2003

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

**RE: 2003/2004 Annual Summary Groundwater Report\
Hobbs Booster Station, Lea County New Mexico (GW-044)
Unit C and D, Section 4, Township 19 South, Range 38 East**

Dear Mr. Ford:

Duke Energy Field Services, LP (DEFS) is pleased to submit for your review, one copy of the 2003/2004 Annual Summary Groundwater Report for the DEFS Hobbs Booster Station (GW-044) located in Lea County, New Mexico.

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

Sincerely

Duke Energy Field Services, LP

Stephen Weathers
Sr. Environmental Specialist

Enclosure

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

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

August 30, 2004

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

Mr. Stephen Weathers PG
Duke Energy Field Services, LLC
P.O. Box 5493
Denver, Colorado 80217

RE: PROPOSED DESIGN FOR FREE PRODUCT RECOVERY
HOBBS BOOSTER STATION, GW-044

Dear Mr. Weathers:

The New Mexico Oil Conservation Division (OCD) has reviewed Duke Energy Field Services' (DEFS) August 20, 2004 work plan from your consultant, Remediacon Incorporated, for the design of free product recovery at the Hobbs Booster Station, GW-044. The work plan specified the procedures DEFS would follow during the installation, operation, monitoring and the reporting. The above referenced work plan **is herewith approved with the following conditions:**

1. All ground water samples shall be sampled and analyzed using EPA approved methods and quality assurance/quality control (QA/QC) procedures.

2. All free product and wastes generated during the installation and recovery activities shall be disposed properly.

3. One copy of a report of the results of all activities relating to the work plan shall be furnished to the OCD Santa Fe office and one copy to the OCD Hobbs District office within 30 days from completion of the installation.

4. The OCD Hobbs District Office shall be notified 72 hours prior to commencement of activities.

Please be advised that OCD approval does not relieve DEFS of liability should the work plan fail to adequately delineate the limits of soil and/or ground water contamination related to DEFS activities, or if contamination exists which is outside the scope of the work plan. In addition, OCD approval does not relieve DEFS of responsibility for compliance with any other federal, state or local laws and regulations.

If you have any questions, please call me at (505) 476-3489.

Sincerely,

W. Jack Ford, C.P.G.
OCD Environmental Bureau

xc: OCD Hobbs District Office

Duke Energy®
Field Services

DUKE ENERGY FIELD SERVICES
370 17th Street
Suite 900
Denver, CO 80202

303 595 3331

August 20, 2004

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

RE: Design for a Free Product Recovery System
Duke Energy Field Services Hobbs Booster Station (GW-044)
Lea County, New Mexico
UL C and D, Section 4, T19S, R38E

Dear Mr. Ford:

Duke Energy Field Services, LP (DEFS) is pleased to submit for your review one copy of the proposed Design for a Free Product Recovery System for the DEFS Hobbs Booster Station located in Hobbs, NM. Upon your review and approval, DEFS will start the installation of the proposed free product recovery system.

If you have any questions regarding the above mentioned design, please call me at 303-605-1718.

Sincerely

Duke Energy Field Services, LP

Stephen Weathers PG
Sr. Environmental Specialist

Enclosure

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

Remediacon Incorporated
Geological and Engineering Services
mstewart@remediacon.com

PO Box 302, Evergreen, Colorado 80437
Telephone: 303.674.4370
Facsimile: 720.528.8132

August 20, 2004

Mr. Stephen Weathers
Duke Energy Field Services, LP
370 Seventeenth Street, Suite 2500
Denver, Colorado 80202

Subject: Design for a Free Phase Hydrocarbon Recovery System for the Duke Energy Field Services, LP Hobbs Booster Station: Hobbs, New Mexico (Units C and D Section 4, T 19 S, R 38 E, NMPM: Discharge Plan GW-044)

Dear Stephen:

Enclosed are the engineering drawings for the free phase hydrocarbon recovery system for the Duke Energy Field Services, LP Hobbs Booster Station in Hobbs, New Mexico. The system was designed for product-only removal; however, additional piping is included to expand system to incorporate other technologies as appropriate. The remainder of this letter describes the system. The design is based upon best engineering practices; however, conditions in the field may necessitate changes. As-built drawings will be generated to document the actual construction.

The system includes 28 recovery wells as shown on Sheet 2. The wells will be aligned along five north-south trending lines. The five alignments are perpendicular to the east-west groundwater flow direction so that the gradient would enhance product migration to the wells. The resulting well spacing varies between approximately 120 and 140 feet. The five north-south trenches will all connect to the east-west main trench as shown on Sheet 2.

All piping will be SDR 11 high density polyethylene. This pipe was selected because it can be installed in continuous lengths between each location to minimize the possibility of leaks. The wells will be connected via underground piping that is installed in trenches. The trenches will be 18 inches deep between locations. Both the well connections and the intersections will be installed below ground in 24-inch diameter, traffic-rated manholes. Overexcavation will be necessary at each well and crossing to facilitate installation and maintenance of the system.

Product will be removed from each well using compressed-air driven, product-only pumps. The compressor will be installed on a concrete pad at the "equipment area" location shown on Sheet 2. This site was selected because of its proximity to the existing 240-volt, three-phase power line. A nominal 210 barrel steel tank will be installed adjacent to the compressor within a secondary-containment area. The tank will be equipped with a high-level sensor set approximately 18" below the top of the tank.

Three actions will occur when the product fluid reaches this level:

1. A valve will be automatically opened on the system to rapidly bleed the compressed air from the lines.

2. The power to the compressor will be shut off to prevent repressurization of the air-storage tank.

3. A light will be illuminated on the tank to indicate the high-level condition.

The system must be manually reset before operation can resume.

Sheet 3 shows the details for the main and secondary trenches. Each trench will contain three pipes. A 2-inch diameter pipe will be placed in all trenches to carry the compressed air to each of the product recovery wells. A second pipe, the connective conduit in Sheet 3, will contain the tubing that will convey the product from each well to the storage tank. This pipe will be 4 inches in diameter in the main trench and 3 inches in diameter in the secondary trenches. Any spill from the product lines will be contained by this piping until it can be removed.

The third pipe in both trenches is being installed for potential future use should additional technologies be necessary at the site. This pipe is also 4 inches in diameter in the main trench and 3 inches in diameter in the secondary trenches. The pipe will be reduced from a 3 inch to a 2 inch diameter at each well and brought near the top of the manhole as shown on Detail 3A Sheet 4 to facilitate future hookup as necessary.

Sheet 4 shows the typical piping configuration from both the side (Detail 3A) and top (Detail 3B) for each well installation. Overexcavation will be necessary to install the systems as shown on Sheet 3; however, each location will be regraded to minimize access to the manhole. A 6-inch concreted apron tapered to convey water away will be installed around each manhole.

Sheet 5 shows the detail of the equipment area. The area will include the product storage tank within the secondary containment and the compressor. A partial or total building will be erected to protect the compressor from the weather. A storage shed to store the equipment will also be placed in this area. Space was included for an additional pad that would hold any equipment necessary for a future system; however, no pad will be installed during this construction phase.

Current plans call for starting construction the last half of September 2004 following OCD approval. The preliminary schedule assumes full operation by December 1, 2004 barring unforeseen circumstances and scheduling delays. All construction activities will be supervised by experienced personnel contracted to DEFS. An as-built will be prepared and submitted to OCD following completion of the construction activities. This document will also include a detailed discussion and a proposed schedule for inspection, operation and maintenance of the system.

A preliminary meeting is scheduled with the construction contractor on September 1 and 2, 2004 to complete utility location activities so that any constructability issues related to existing underground and aboveground structures can be identified and resolved prior to the start of the construction activities.

Thank you for the opportunity to complete this design. Do not hesitate to contact me should have any questions or comments or require additional information.

Respectfully submitted,
REMEDIACON INCORPORATED

Michael H. Stewart

Michael H. Stewart, PE
Principal Engineer

MHS/tbm

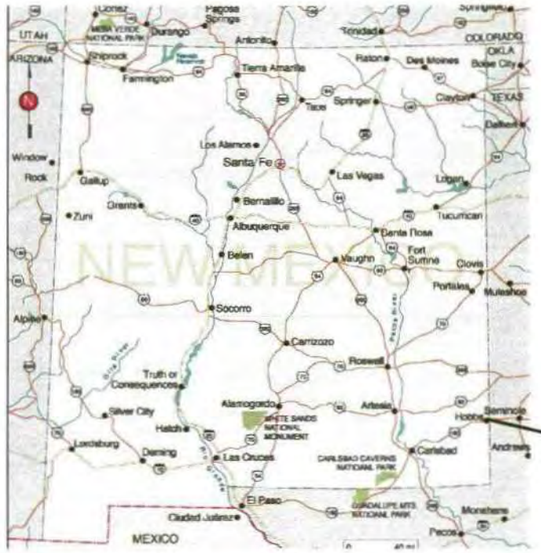
enclosure

HOBBS BOOSTER STATION
FREE PHASE RECOVERY SYSTEM

HOBBS, NEW MEXICO

Prepared For
:
Duke Energy Field Services, Lp
370 Seventeenth Street, Suite 2500
Denver, Colorado 80202

Prepared By;
Remediacon Incorporated
PO Box 302
Evergreen, Colorado 80437



Sheet	Description
1	Title Sheet
2	Free Phase Recovery System Layout
3	Design Details 1 and 2
4	Design Details 3A and 3B
5	Design Detail 4

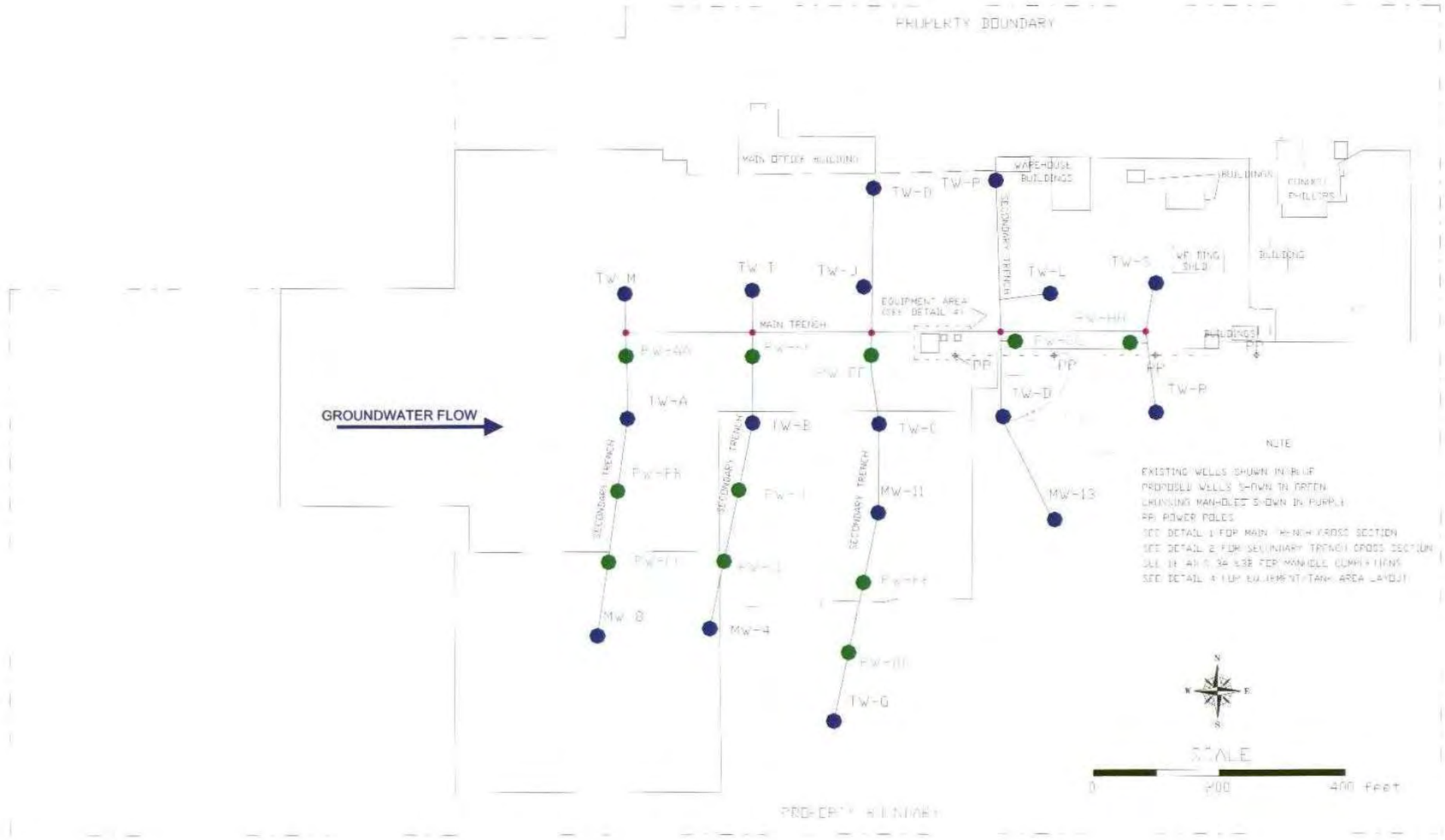
Sheet 1 – Title Sheet

Hobbs Booster Station Product Recovery System

Duke Energy Field Services

DRAWN BY: MHS
DATE: 08/04

SUBJECT TO REVISION



Sheet 2 – Free Phase Recovery System Layout

Hobbs Booster Station Product Recovery System

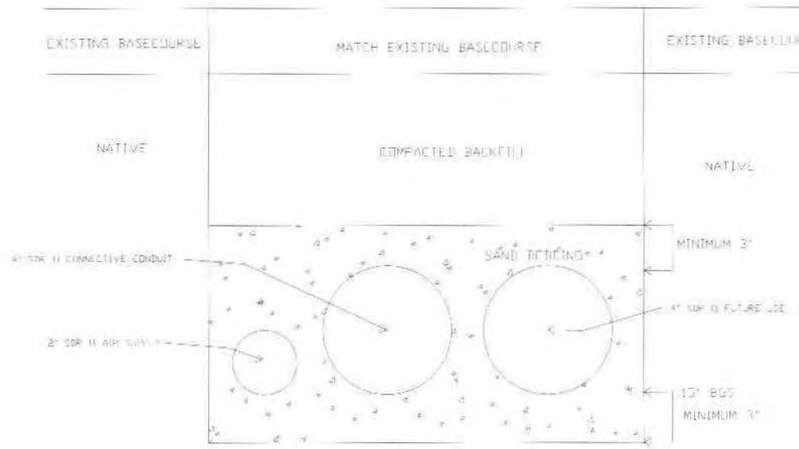
Duke Energy Field Services

DRAWN BY: MHS

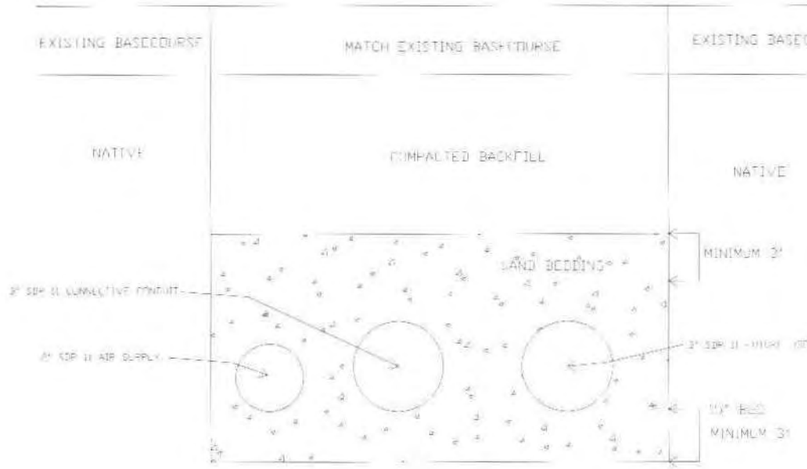
DATE: 08/04

SUBJECT TO REVISION

DETAIL 1 - MAIN TRENCH CROSS SECTION



DETAIL 2 - SECONDARY TRENCH CROSS SECTION



Sheet 3 - Design Details 1 and 2

Hobbs Booster Station Product Recovery System

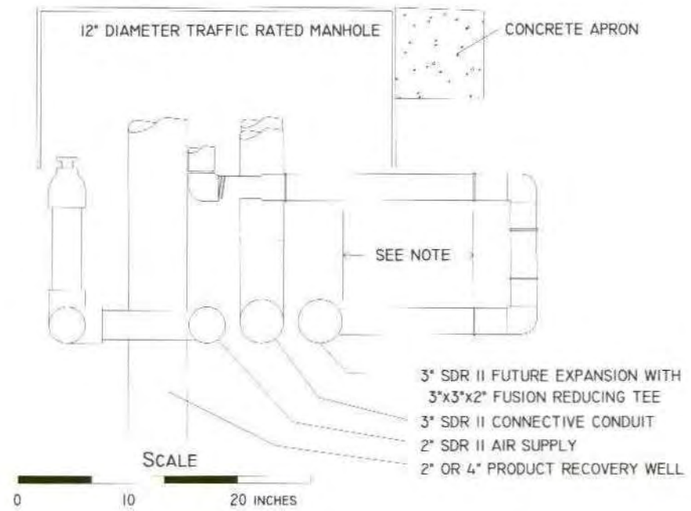
Duke Energy Field Services

DRAWN BY: MHS

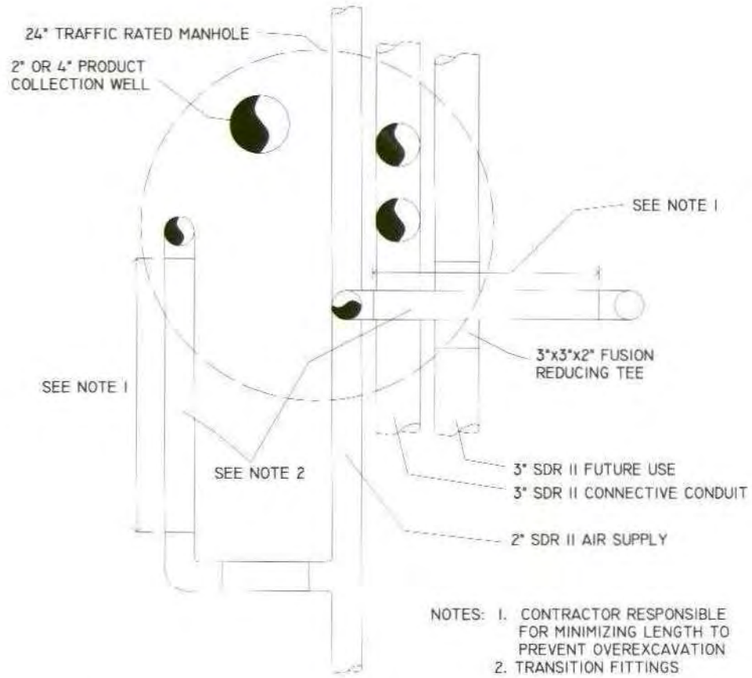
DATE: 08/04

SUBJECT TO REVISION

DETAIL 3A - MANHOLE COMPLETION (SIDE VIEW)



DETAIL 3B - MANHOLE COMPLETION (TOP VIEW)



Sheet 4 - Design Details 3A and 3B

Hobbs Booster Station Product Recovery System

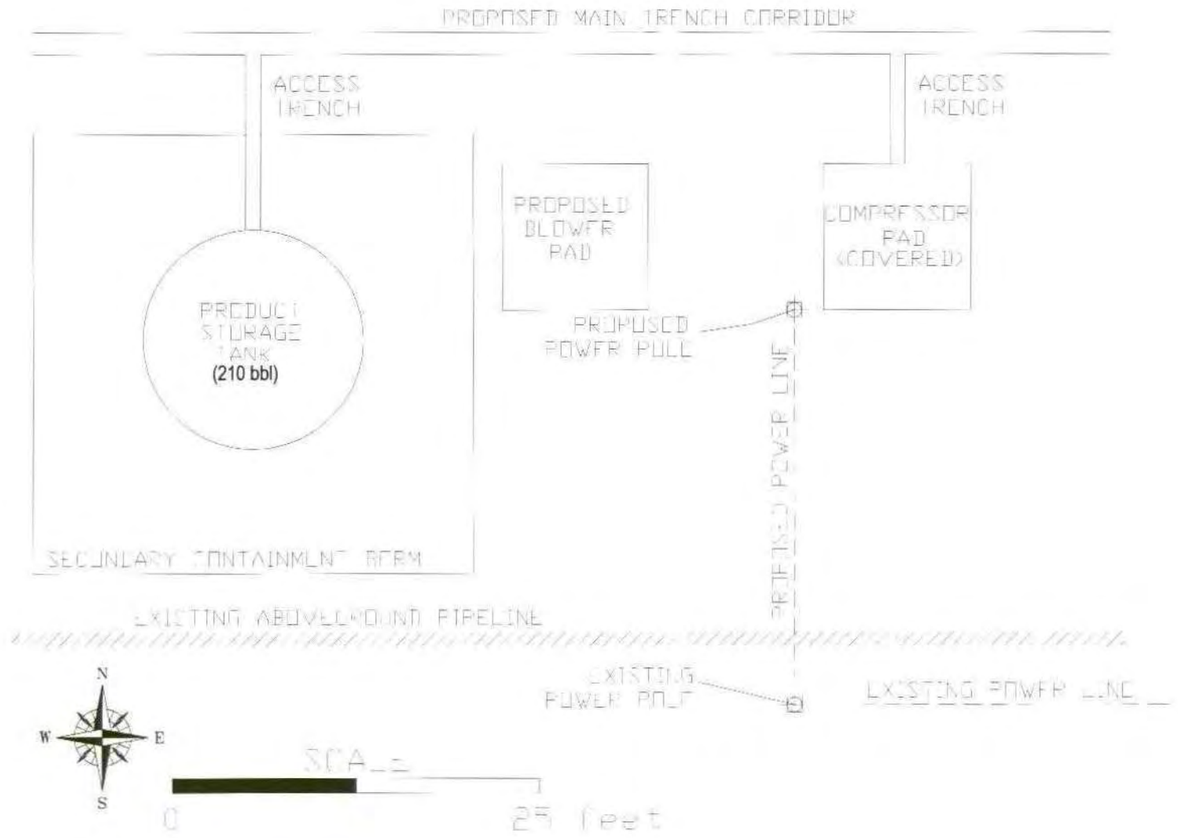
Duke Energy Field Services

DRAWN BY: MHS

DATE: 08/04

SUBJECT TO REVISION

DETAIL 4 - EQUIPMENT AREA LAYOUT



Sheet 5 - Design Detail 4
Hobbs Booster Station Product Recovery System
Duke Energy Field Services. | DRAWN BY: MHS DATE: 08/04

Duke Energy®
Field Services

DUKE ENERGY FIELD SERVICES
370 17th Street
Suite 900
Denver, CO 80202

303 595 3331

April 12, 2004

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

RE: Proposal to Install Additional Product Characterization Wells
Duke Energy Field Services Hobbs Booster Station (GW-044)
Lea County, New Mexico

Dear Mr. Ford:

Duke Energy Field Services, LP (DEFS) is pleased to submit for your review, one copy of the following proposal:

- **Proposal to Install Additional Product Characterization Wells at the Duke Energy Field Services Hobbs Booster Station, Lea County New Mexico (Units C and C Section 4, T19S, R38E, NMPM, GW-044).**

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

Sincerely

Duke Energy Field Services, LP

Stephen Weathers
Sr. Environmental Specialist

Enclosure

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

Approved via e-mail

Remediacon Incorporated
Geological and Engineering Services
mstewart@remediacon.com

PO Box 302, Evergreen, Colorado 80437
Telephone: 303.674.4370
Facsimile: 720.528.8132

April 4, 2004

Mr. Stephen Weathers
Duke Energy Field Services, LP
370 Seventeenth Street, Suite 2500
Denver, Colorado 80202

Subject: Proposal to Install Additional Product Characterization Wells at the Duke Energy Field Services, LP Hobbs Booster Station: Hobbs, New Mexico (Units C and D Section 4, T 19 S, R 38 E, NMPM: Discharge Plan GW-044)

Dear Steve:

Preliminary evaluation of the gauging data from the March 2004 groundwater monitoring episode indicates that the product thickness has increased in a disproportionate manner in three of the characterization wells located in the northeastern part of the site. The product thickness increases since June 2002 are shown on Figure 1.

Remediacon recommends that additional product characterization wells be installed to further evaluate this phenomena prior to designing the free product recovery system. The proposed well locations are shown on Figure 2. The actual number of wells and their locations may have to be adjusted based upon site constraints.

Drilling is schedule to commence on Tuesday April 20, 2004 and should be completed by Thursday April 22, 2004. The results will be incorporated into the design rather than being reported in a separate document..

Respectfully submitted,
REMEDIACON INCORPORATED

Michael H. Stewart

Michael H. Stewart, PE
Principal Engineer

MHS/tbm

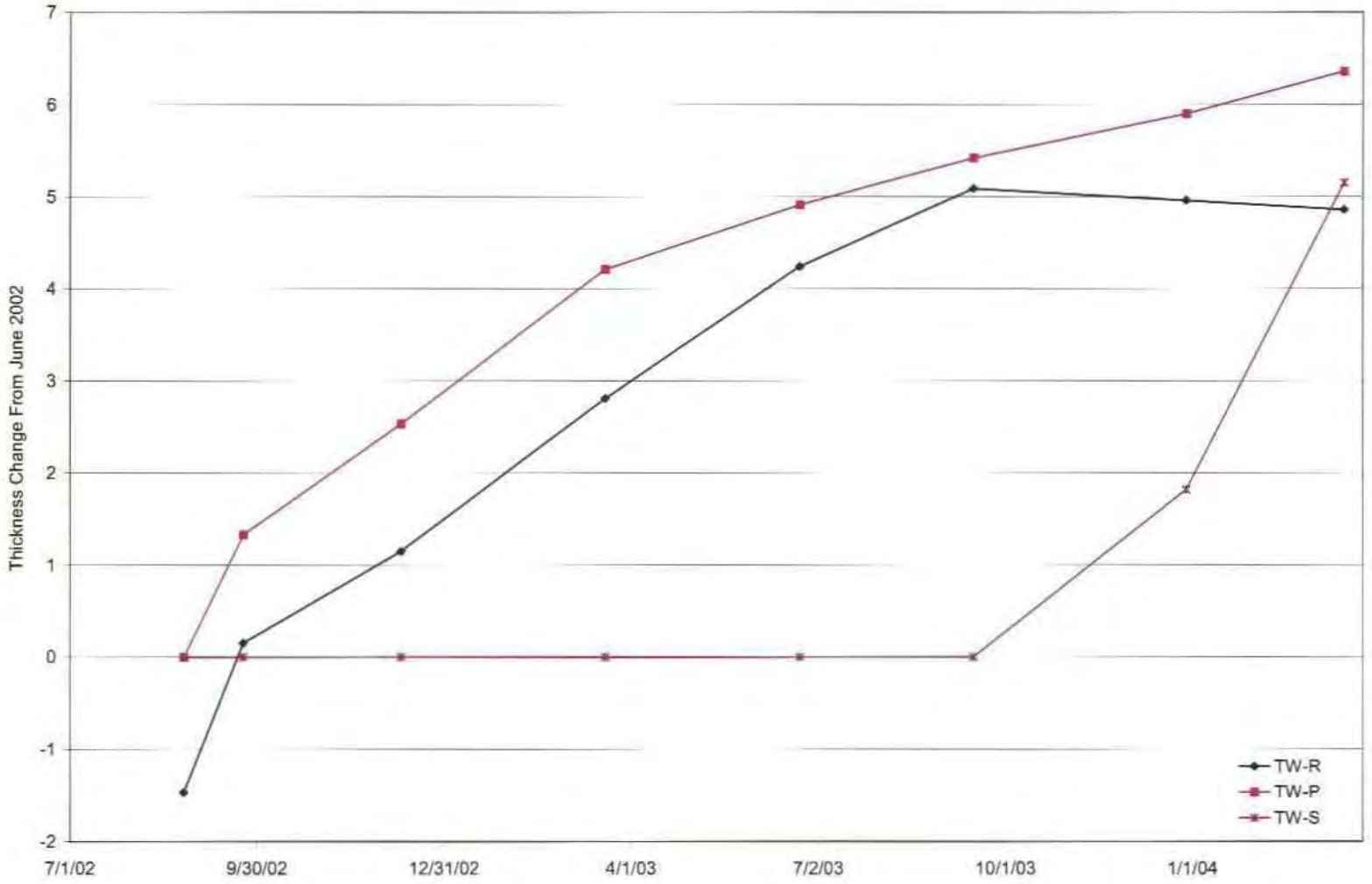


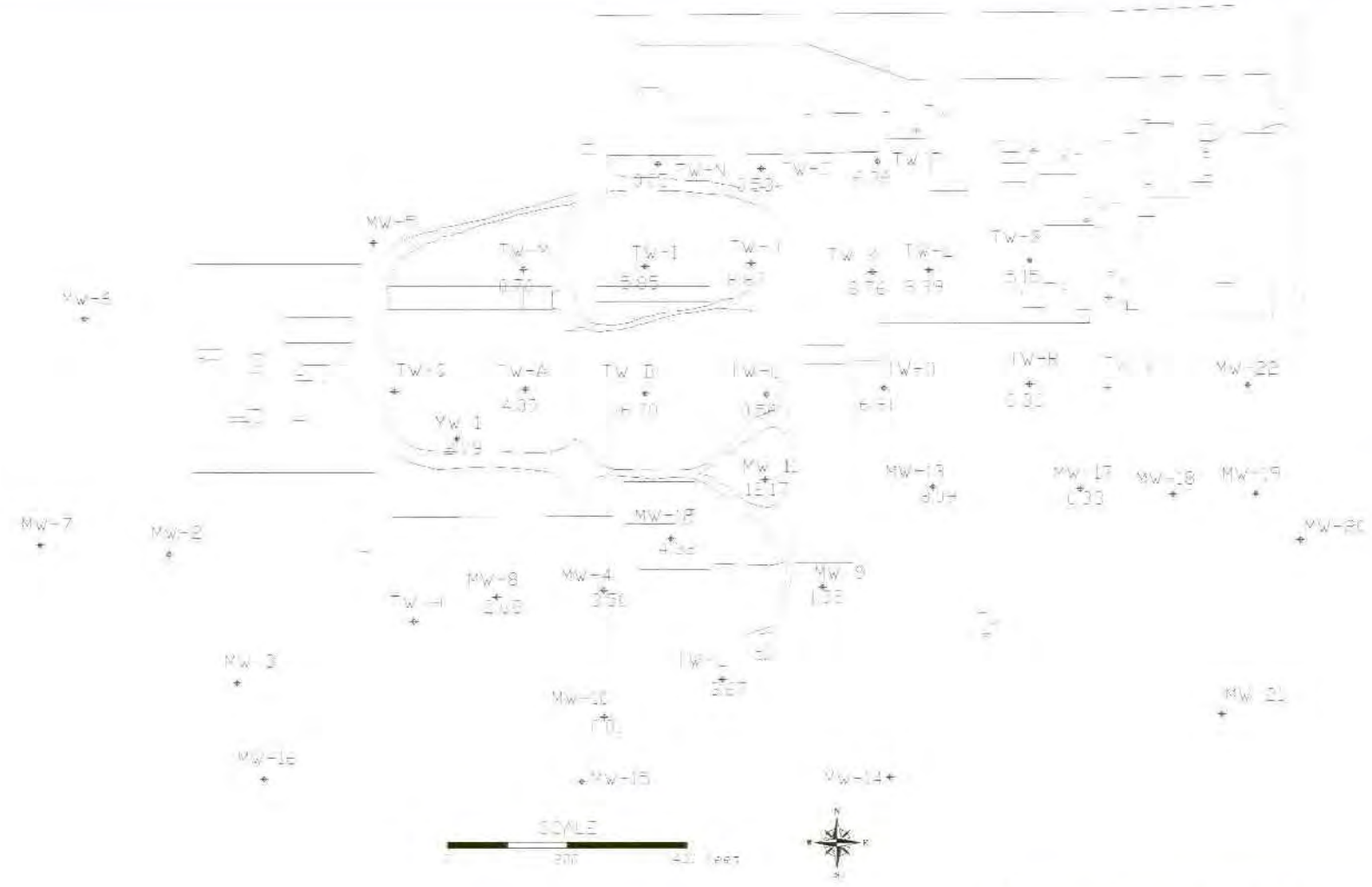
Figure 1 – Product Thickness Change In Select Wells Since June 2002

Hobbs Booster Station

Duke Energy Field Services

DRAWN BY: MHS

DATE: 4/04



LEGEND

- Existing wells shown in black.
- Proposed wells shown in red.
- March 2004 Product thickness values shown in blue.

Figure2 – Proposed April 2004 Product Characterization Well Locations

Hobbs Booster Station

Duke Energy Field Services

DRAWN BY: MHS

DATE: 4/04

Duke Energy®

Duke Energy Corporation
Environment, Health & Safety Services
13339 Hagers Ferry Rd. (MG03A3)
Huntersville, N. C. 28078

December 15, 2003

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

RE: Monument Booster Station, Lea County, New Mexico
2002 Annual Groundwater Monitoring Report

Dear Mr. Ford

Please find enclosed one copy of a letter report regarding Duke Energy Field Service's Monument Booster Station located in Lea County, New Mexico. This annual report documents the activities associated with two semi-annual groundwater sampling events performed on April 25, 2003 and September 18, 2003. The report also summarizes historical data collected since the beginning of the program in May 1995.

Recovery of LNAPL from monitoring wells MW-1 and MW-5 continues to be through the use of absorbent socks. As of October 28, 2003, a total of 163.6 gallons of LNAPL has been recovered. The absence of measurable LNAPL in monitoring wells MW-1 and MW-5 during the September 18, 2003 monitoring event allowed collection of groundwater samples from these wells.

Total dissolved BTEX concentrations in monitoring wells MW-1D, MW-2, MW-3, MW-4, and MW-6 continue to be below New Mexico Water Quality Control Commission (WQCC) standards. Only benzene concentrations in samples recovered from MW-1 (0.057 mg/l), MW-5 (0.022 mg/l), and MW-7 (0.018 mg/l) exceed the WQCC standard.

An assessment of biodegradation capacity at the Monument Booster Site indicates that biodegradation processes are active and will continue to occur.

If you have any questions regarding the enclosed report please feel free to contact me at 704.875.5228 or by email at tshunsuc@duke-energy.com. Alternatively, you may contact Daniel Dick at 303.605.1893.

Sincerely,

Timothy S. Hunsucker

Enclosure(s)

cc: Paul Sheeley, OCD Hobbs District
Lynn Ward, DEFS
Daniel Dick, DEFS

Duke Energy®
Field Services

DUKE ENERGY FIELD SERVICES
370 17th Street
Suite 900
Denver, CO 80202

303 595 3331

October 28, 2003

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

RE: Free Product Removal System Pilot Test Update
Duke Energy Field Services
Hobbs Booster Station (GW-044)
Lea County, New Mexico

Dear Mr. Ford:

Duke Energy Field Services, LP (DEFS) is pleased to submit for your review one copy of the Free Product Removal System Pilot Test Update for work that has been completed at the DEFS Hobbs Booster Station.

This update summarizes the results of the test and provides interpretation and conclusions that will used to develop the final free product removal design.

If you have any questions regarding the above mentioned design, please call me at 303-605-1718.

Sincerely

Duke Energy Field Services, LP

Stephen Weathers
Sr. Environmental Specialist

Enclosure

cc: Larry Johnson, OCD Hobbs District
Environmental Files

Remediacon Incorporated
Geological and Engineering Services
remediacon@yahoo.com

PO Box 302, Evergreen, Colorado 80437
Telephone: 303.674.4370
Facsimile: 720.528.8132

October 21, 2003

Mr. Stephen Weathers
Duke Energy Field Services, LP
370 17th Street, Suite 900
Denver, CO 80202

Re: Update of Free Product Removal System Pilot Test at the Duke Energy Field Services Hobbs Booster Station, Lea County New Mexico (Units C and D Section 4, Township 19 South, Range 38 East, NMPM: Discharge Plan GW-044)

Dear Stephen:

Duke Energy Field Services, LP (DEFS) retained Remediacon Incorporated (Remediacon) to complete a pilot study to provide additional information for the design of a free product removal system at the DEFS Hobbs Booster Station. This letter summarizes the results of that test and provides interpretations and conclusions that will be incorporated into the final design.

SUMMARY OF TEST PROGRAM

The pilot test was conducted using product test well TW-C located in the center of the study area (Figure 1). The pilot test activities included the installation of seven additional wells around existing well TW-C at the locations shown on Figure 2. Each well was installed to an approximate depth of 60 feet, and they were screened from 60 to 45 feet below ground surface (bgs) to ensure that the screen spanned the entire interval that contained product.

Full-time testing commenced on June 18, 2003. The product was removed using a Xitech ADJ 1000 pump connected to a 2500 ES controller. The pump was set to run 20 minutes per each 1-hour cycle. A total of approximate 450 gallons of product was removed over the 91 day test period, resulting in an average production rate of 5 gallons per day.

The system was checked eight times over the duration of the test. The depths to product and water were measured, and the pump was inspected and cleaned as necessary during each site visit. The measured product thickness values are summarized in Table 1.

The product thickness data were evaluated relative to the degree of product removal at varying distances away from the extraction wells. The analysis was completed by graphing the cumulative change in product thickness in each monitoring well over the duration of the test. The data is tabulated in Table 2 and the graphical relationships are depicted in Figures 3 and 4.

Five of the seven wells (TWC-N1, TWC-S1, TWC-S2, TWC-W1 and TWC-W2) exhibited regular product thickness declines. Conversely, the product thickness increased in wells TWC-W3, and TWC-E1. Wells TWC-N1, TWC-S1 and TWC-W1 are all located 25 feet from the extraction well. The product thickness in these wells began to decrease almost immediately after the initiation of the test. The product thickness in these three wells declined between approximately 0.4 and 0.55 feet over the duration of the test. The product thickness in the two wells located 50 feet from the extraction well (TWC-S2 and TWC-W2) showed an initial increase in product thickness; however, the product thickness in both wells declined approximately 0.2 feet after the initial rise.

The product thickness increased in wells TWC-W3 (~1.3 feet) and TWC-E1 (~5 feet) over the duration of the test (Figure 4). The free product thickness trends in the wells over the remainder of the site between June and September are shown in Figure 5. The majority of the wells containing product that were not included in the pilot test program showed slight increases in product thickness. The product thickness increased in TW-G after an automatic, but limited-scale, free product removal system that had been depressing the product thickness was removed.

Based upon the above information, Remediacon concludes that the zone of influence for the extraction well extends a minimum of 50 feet in the up-gradient and cross-gradient directions at an approximate product removal rate of 5 gallons per day. In addition, product removal at TW-C may have produced increased thicknesses at TWC-E1 and TWC-W3 and perhaps MW-11; however, it is not known whether this effect is ephemeral.

The product removal pilot is scheduled to continue until mid December. Activities that will be completed through the end of the test include:

1. Continued extraction from MW-18 and measurement of product thickness in the surrounding wells (including MW-11);

2. Evaluation of product removal systems from other manufacturer (either in TW-C or other suitable wells);

3. Collection of additional site-specific data while the drilling rig is available during the installation of the air-sparge points; and

4. Refinement of the existing multi-phase model based upon the test results to better predict the results of the initiation of product removal in the existing site wells as well as to optimize the location of any additional wells.

Fluid removal may also be initiated prior to the end of the pilot test in wells that contain greater than 1 foot of product. Plans will be provided to the New Mexico Oil Conservation Division (OCD) for review and approval prior to the construction of any comprehensive removal system.

Thank you for the opportunity to complete this work. Do not hesitate to contact if you have any questions, require clarification or have additional needs related to the information contained in this document.

Sincerely,
REMEDIACON INCORPORATED

Michael H. Stewart, P.E.
Principal Engineer

MHS/tbm

attachments

TABLES

Table 1 –Free Product Thickness Values Measured During the Pilot Test

Well	Distance From Source (feet)	MEASURED PRODUCT THICKNESSES (feet)							
		6/18/03	6/23/03	7/18/03	8/13/03	8/19/03	9/4/03	9/16/03	10/14/03
TWC	0	11.43	3.33	11.36	2.99	0.86	1.26	2.43	0.02
TWC-N1	25	10.68	10.66	10.57	10.44	10.4	10.33	10.31	10.18
TWC-E1	25	1.42	1.66	2.76	4.6	4.92	5.17	5.37	6.41
TWC-S1	25	10.66	10.62	10.54	10.5	10.48	10.44	10.44	10.24
TWC-S2	50	10.65	10.68	10.64	10.57	10.47	10.52	10.53	10.43
TWC-W1	25	10.73	10.74	10.61	10.54	10.51	10.46	10.44	10.36
TWC-W2	50	10.25	10.4	10.35	10.27	10.24	10.23	10.26	10.22
TWC-W3	100	2.66	2.74	2.76	2.65	2.67	2.8	2.96	3.97

Table 2 – Cumulative Change in Product Thickness Over the Duration of the Test

Sample Date	6/23/03	7/18/03	8/13/03	8/19/03	9/4/03	9/16/03	10/14/03
Time Elapsed Since Start (days)	5	30	56	62	78	90	118
WELLS	Cumulative Change in Product Thickness (feet)						
TWC-N1	-0.02	-0.11	-0.24	-0.28	-0.35	-0.37	-0.5
TWC-S1	-0.04	-0.12	-0.16	-0.18	-0.22	-0.22	-0.42
TWC-S2	0.03	-0.01	-0.08	-0.18	-0.13	-0.12	-0.22
TWC-W1	0.01	-0.12	-0.19	-0.22	-0.27	-0.29	-0.37
TWC-W2	0.15	0.1	0.02	-0.01	-0.02	0.01	-0.03
TWC-W3	0.08	0.1	-0.01	0.01	0.14	0.3	1.31
TWC-E1	0.24	1.34	3.18	3.5	3.75	3.95	4.99

FIGURES

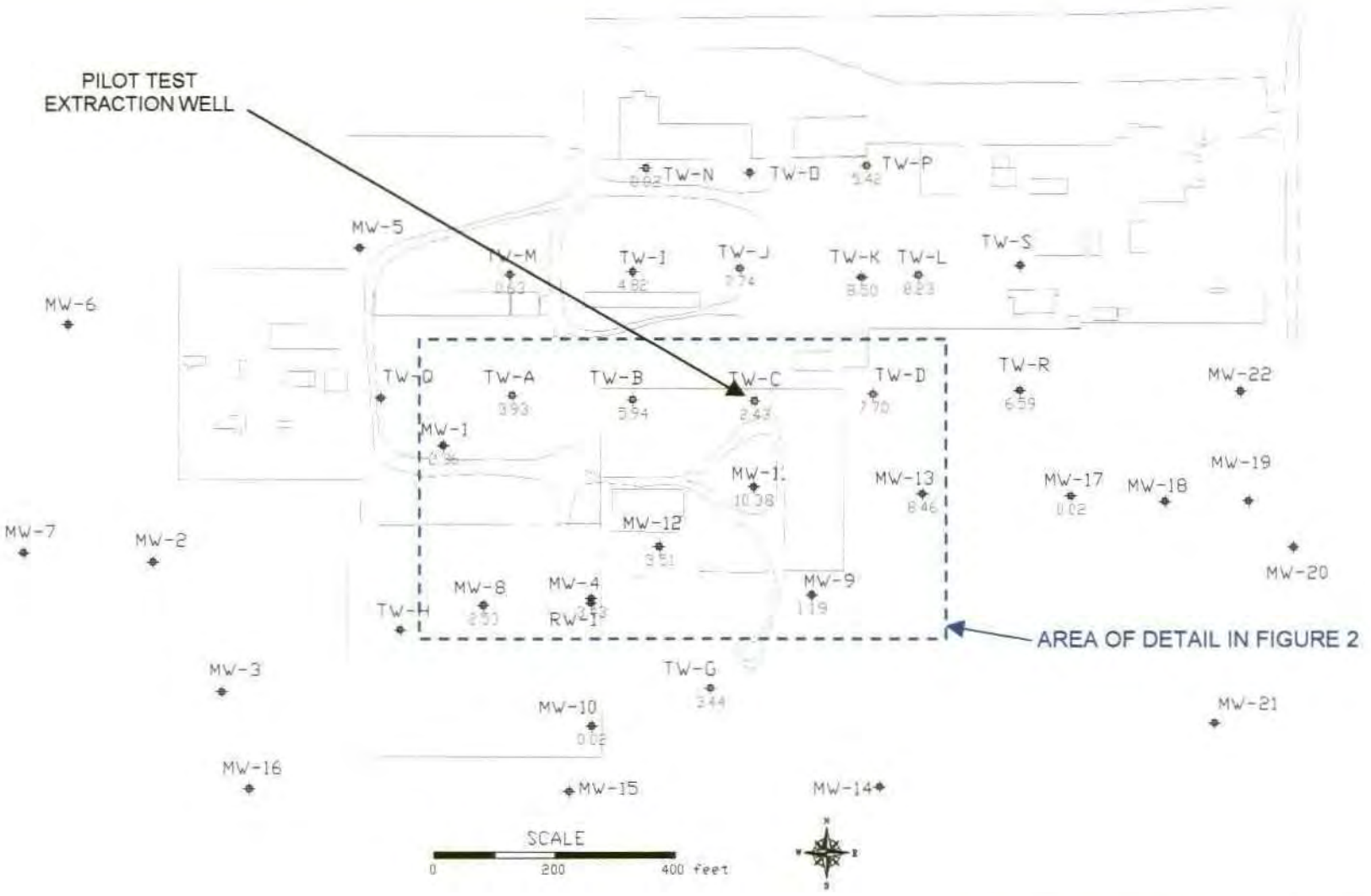


Figure 1 – September 2003 Product Thickness Values (feet)

HBS Free Product Removal Design

Duke Energy Field Services

DRAWN BY: MHS

DATE: 10/03

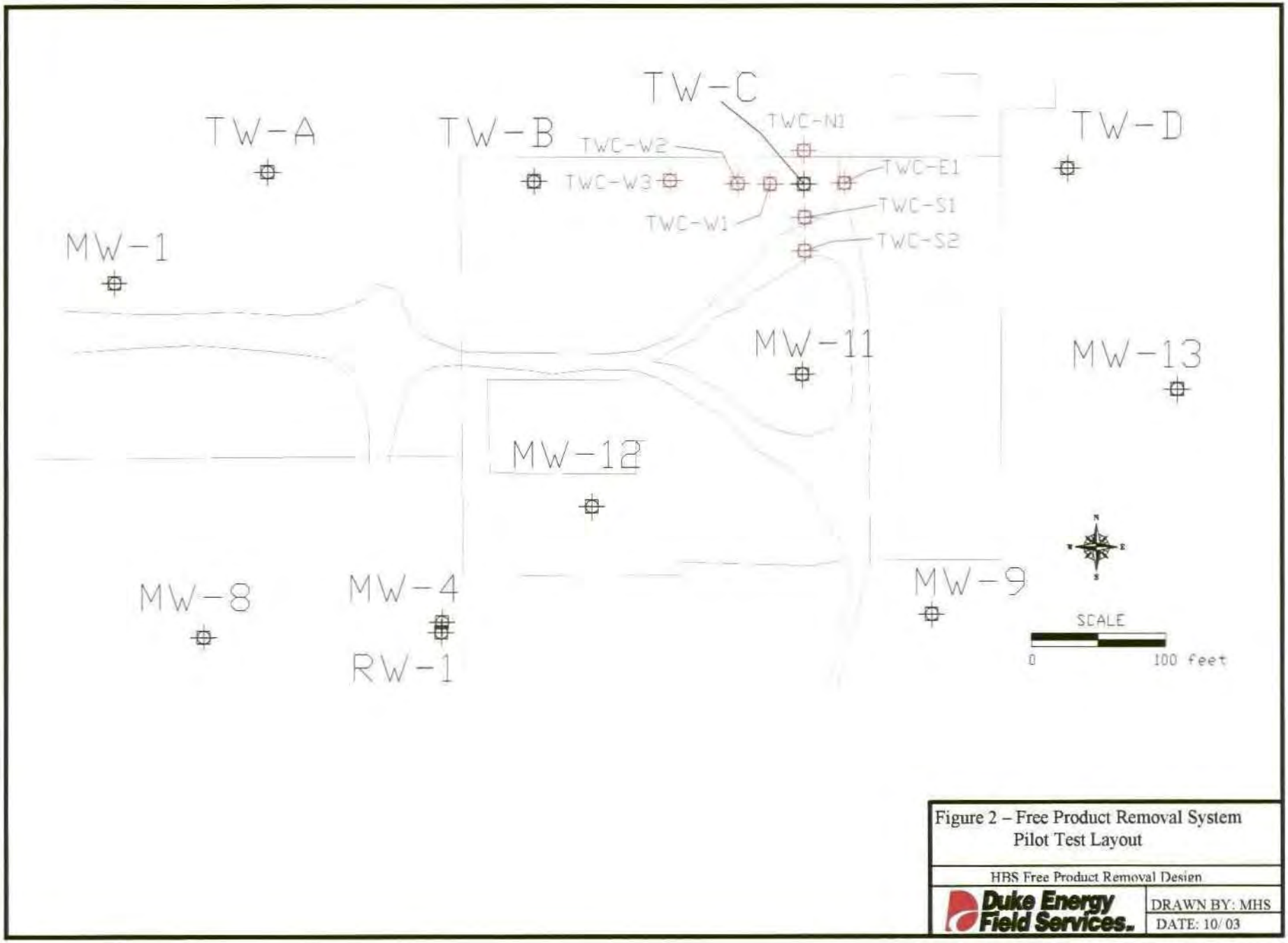


Figure 2 – Free Product Removal System
Pilot Test Layout

HBS Free Product Removal Design

Duke Energy Field Services

DRAWN BY: MHS

DATE: 10/ 03

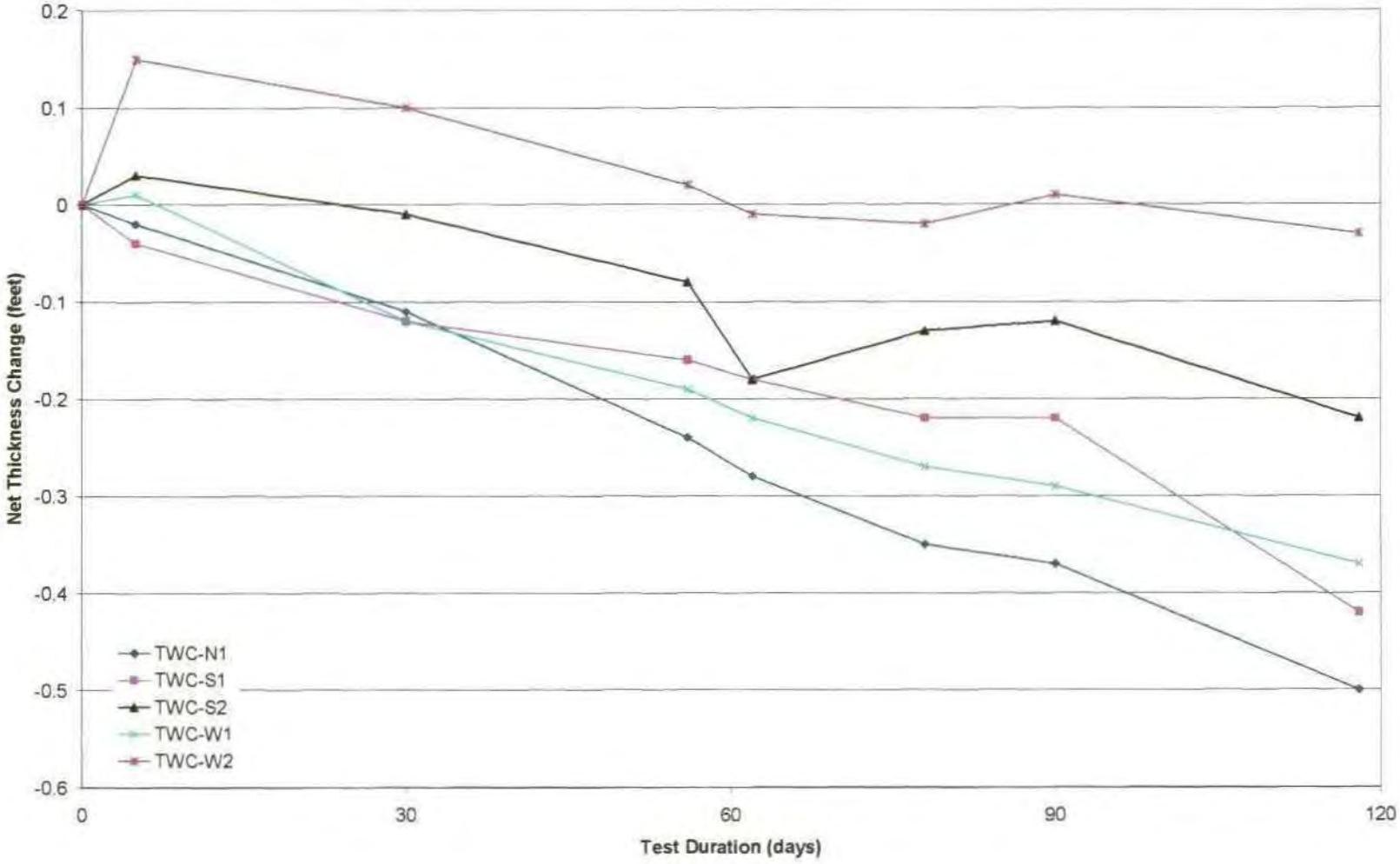


Figure 3 – FPH Product Thickness Changes from June to September

HBS Free Product Removal Design

Duke Energy Field Services

DRAWN BY: MHS

DATE: 10/03

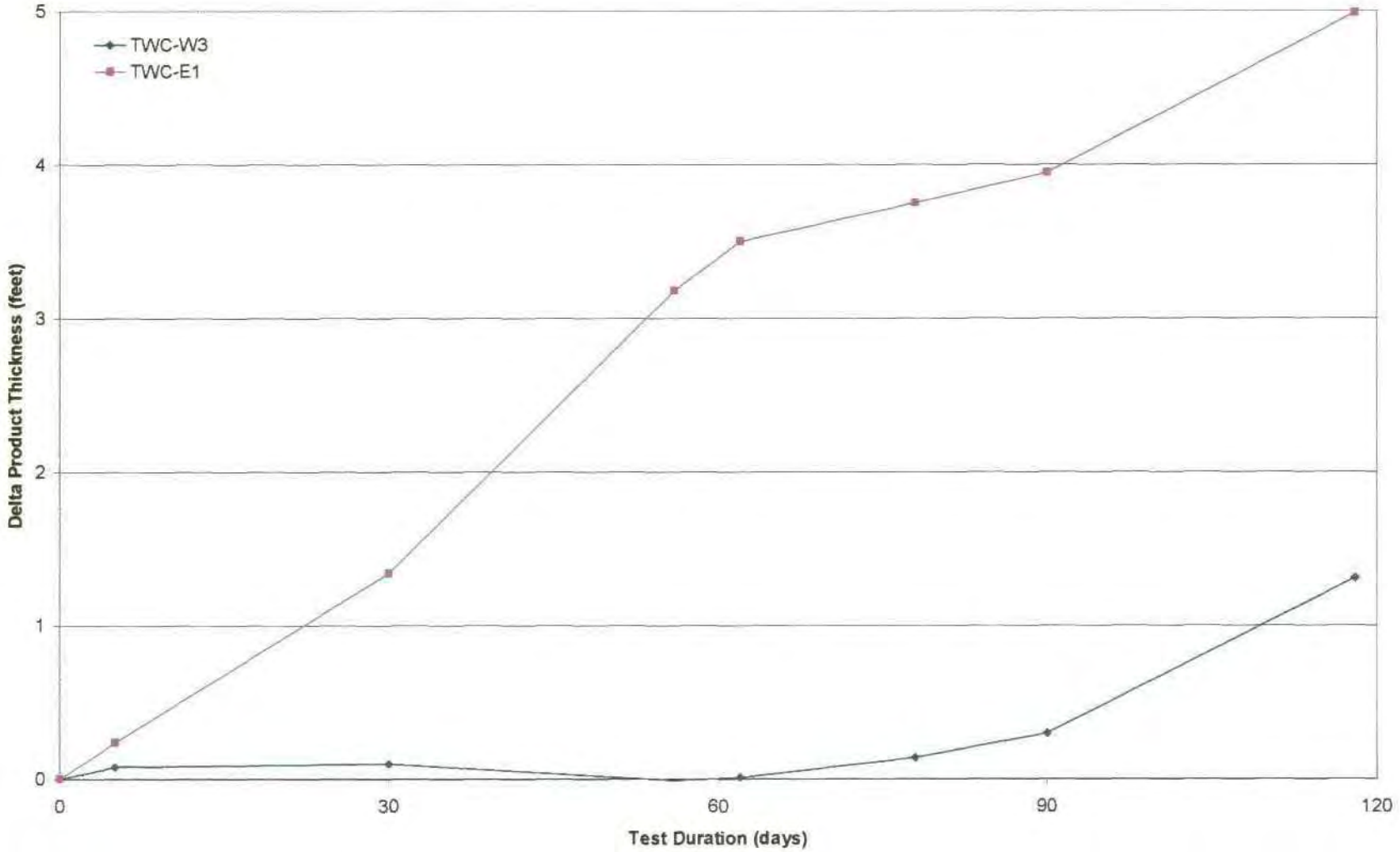


Figure 4 – FPH Product Thickness Changes 2

HBS Free Product Removal Design

Duke Energy Field Services

DATE: 10/ 03

Duke Energy®
Field Services

DUKE ENERGY FIELD SERVICES
370 17th Street
Suite 900
Denver, CO 80202

303 595 3331

October 8, 2003

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

RE: 2002/2003 Annual Summary Groundwater Report for the Hobbs Booster Station, Lea County New Mexico (GW-044)

Dear Mr. Ford:

Duke Energy Field Services, LP (DEFS) is pleased to submit for your review, one copy of the 2002/2003 Annual Summary Groundwater Report for the Hobbs Booster Station located in Lea County, New Mexico.

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

Sincerely

Duke Energy Field Services, LP

Stephen Weathers
Sr. Environmental Specialist

Enclosure

cc: Environmental Files

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

October 20, 2003

Lori Wrotenbery
Director
Oil Conservation Division

Mr. Stephen Weathers
Duke Energy Field Services
P.O. Box 5493
Denver, Colorado 80217

RE: Groundwater Remediation System Work Plan
Hobbs Booster Station GW-044
Duke Energy Field Services

Dear Mr. Weathers:

The New Mexico Oil Conservation Division (OCD) received the South Boundary Groundwater Remediation System work plan for the Hobbs Booster Station located in the NW/4 of Section 4, Township 19 South, Range 38 East, NMPM, Lea County, New Mexico. The work plan, dated October 2, 2003, was submitted by your consultant , Remediacon Incorporated on behalf of Duke Energy Field Services. **The South Boundary Groundwater Remediation work plan is hereby approved, with the following conditions:**

- A copy of all of the work plan shall also be provided to the OCD Hobbs District Office and notification provided to the District at least 48 hours prior to commencement of work.
- All of the items listed in the work plan, dated October 2, 2003, from Remediacon Incorporated. on behalf of Duke Energy Field Services shall be adhered with during the installation and operational period.

Note, that OCD approval does not limit Duke Energy Field Services to the work proposed should it later be found that contamination exists which is beyond the scope of this plan, or if Duke Energy Field Services has failed to completely define the extent of contamination. In addition, OCD approval does not relieve Duke Energy Field Services of responsibility for compliance with any other Federal, State, or other Local Laws and Regulations.

If you have any questions regarding this matter feel free to call me at (505)-476-3489.

Sincerely,

W. Jack Ford, C.P.G.
Environmental Engineer

cc: OCD Hobbs District Office

Duke Energy®
Field Services

DUKE ENERGY FIELD SERVICES
370 17th Street
Suite 900
Denver, CO 80202

303 595 3331

October 8, 2003

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

RE: Design for the South Boundary Groundwater Remediation System
Duke Energy Field Services
Hobbs Booster Station (GW-044)
Lea County, New Mexico

Dear Mr. Ford:

Duke Energy Field Services, LP (DEFS) is pleased to submit for your review, two copies of the Design for the South Boundary Groundwater Remediation System for the DEFS Hobbs Booster Station.

Based on your review and approval, DEFS anticipates installation to be complete and the system operational by the end of November, 2003.

If you have any questions regarding the above mentioned design, please call me at 303-605-1718.

Sincerely

Duke Energy Field Services, LP

Stephen Weathers
Sr. Environmental Specialist

Enclosure

cc: Mike Stubblefield, OCD Artesia District
Environmental Files

Remediacon Incorporated
Geological and Engineering Services
mstewart@remediacon.com

PO Box 302, Evergreen, Colorado 80437
Telephone: 303.674.4370
Facsimile: 720.528.8132

October 2, 2003

Mr. Stephen Weathers
Duke Energy Field Services, LP
370 Seventeenth Street, Suite 900
Denver, Colorado 80202

Subject: Design for the South Boundary Groundwater Remediation System, Hobbs Booster Station, Hobbs, New Mexico (Units C and D Section 4, Township 19 South, Range 38 East, NMPM: Discharge Plan GW-044)

Dear Steve:

This letter presents the design for a system to remove dissolved-phase hydrocarbons from the groundwater along the south-central boundary of the Hobbs Booster Station in Hobbs New Mexico. The design results from comprehensive evaluation of the geologic and hydrogeologic conditions, the hydrocarbon distribution and completion of a pilot airsparge test. The next section summarizes the relevant background information. The final section describes the design and proposes the implementation schedule.

BACKGROUND INFORMATION

The DEFS Hobbs Booster Station (HBS) is located at 1625 West Marland on the south side of Highway 62 in the western part of Hobbs New Mexico. The entire area is now fenced with no public access.

The groundwater remediation system will be installed along the central part of the southern boundary (Figure 1). The June 2003 data (Figure 2) shows in this area that: 1) the benzene concentrations are the highest near MW-15; 2) they are substantially lower at MW-14; and 3) are bounded to the west by MW-16 and MW-13. The benzene concentrations in all three wells were below 0.001 milligrams per liter (mg/l) in the September 2003 monitoring episode.

Temporal variations in benzene concentrations in the south-central area are plotted on Figure 3. The benzene concentration in MW-16 declined from 0.0363 mg/l in September 2002 to 0.0042 mg/l in December 2002, and it has remained below the 0.001 mg/l detection limit since then. The benzene concentrations in MW-15 and MW-16 have historically fluctuated from non-detect to above the New Mexico Water Quality Control Commission Groundwater Standard of 0.005 mg/l over the duration of the project.

The September 2003 water table contour map is shown in Figure 4. The groundwater flow direction remains almost due east and remains unchanged over the duration of the project. Hydrographs for the wells MW-14, MW-15 and MW-16 (Figure 5) show that the water table is declining at a uniform rate of approximately 0.5 feet per year.

The vertical hydrocarbon distribution in groundwater was assessed by installing well MW-19D to tap a deeper interval within the saturated zone. The resulting water-table elevations differed by only 0.23 feet indicating a slight potential for vertical downward flow gradient. No hydrocarbons were detected in either the shallow (MW-19) or the deep (MW-19D) boundary wells directly downstream from the area containing the free product.

The New Mexico Oil Conservation Division (OCD) approved pilot sparge test was completed on July 22nd and 23rd, 2003. An injection point and a set of nested vapor monitoring points were installed north of MW-14 at the locations shown on Figure 6. The sparge point was installed to inject air at a depth approximately 13 feet below the water table. The sparge point was installed approximately 50 feet north of well MW-14 and the southern property boundary.

The vapor monitoring points were set 25 feet north, south and east of the sparge point and 50 and 100 feet east of the sparge point (PP-1 through PP-5, Figure 6). The 50 and 100 foot points were set to the east in the direction of groundwater flow to evaluate the spread of the dissolved oxygen plume. Each vapor monitoring point consisted of two nested piezometers with 6-inch screen lengths. The deep point was set approximately 5 feet below the water table. The shallow point was placed in the vadose zone immediately above the water surface.

The pilot test was run for 23 hours. The compressor was only capable of producing 13 cubic feet per minute (CFM) at a temperature of 80° F and a sustained pressure of 6 pounds per square inch (psi). Positive pressure changes were measured in all three of the deep monitoring points 25 feet from the sparge well (PP-1, PP-2, PP-3, Figure 6). Pressure responses were also measured in two of the three shallow points that were 25 feet from the sparge well (PP-1 and PP-3, Figure 5), the shallow and deep points 50 feet from the sparge well (PP-4, Figure 5) and the shallow point 100 feet from the sparge well (PP-5, Figure 5). These latter measurements were ephemeral and, while not conclusive, appear to demonstrate effects at least 50 feet from the injection point.

CONCEPTUAL SPARGE SYSTEM DESIGN AND IMPLEMENTATION

This section describes the conceptual design for the south boundary groundwater control system. The system will consist of a series of 17 vertical sparge points. The points will be installed on a 50-foot spacing beginning at the existing sparge point and extending to the west for 800 feet as shown on Figure 7. Each sparge point will be set approximately 20 feet below the current water table to extend the system's life if the water table continues to decline.

The alignment was selected to provide a buffer between the system and the actual property boundary that is located approximately 60 feet to the south. MW-14 was selected as the eastern boundary because its benzene concentrations are near below the 0.01 mg/l standard. The western boundary was selected based upon examination of historic operational components. The dissolved-phase hydrocarbons should move easterly from this area down the natural groundwater gradient rather than towards the south. The flare was also located in the same approximate area, and any hydrocarbon migration associated with it should also be toward the east rather than the south.

The design assumes a total flow rate of 170 cubic feet per minute at a 9.5 psi discharge pressure. The 9.5 psi pressure is approximately 10 percent higher than the hydrostatic head pressure to ensure air entry into the natural materials without fracturing them. The blower will include silencers, and it will be installed in a partially open building.

Performance will be evaluated by monitoring wells MW-14 and MW-15 monthly for the first 3 months. Monitoring will then continue on a quarterly basis for the remainder of the first year. The performance monitoring program will then be evaluated at the end of the first year.

The system will initially be run indefinitely on a full time basis. Operation time may be decreased after the groundwater system re-equilibrates to the increased oxygen supply. DEFS may also periodically turn the system off to assess natural conditions. The system will not be decommissioned until after DEFS confers with OCD on the appropriate criteria for permanent abandonment.

Assuming OCD approval, the system should be constructed and operational by the end of November 2003. Pilot testing and optimizing the system will take an additional 30 days; however, the system will operate continuously during that time. Initial performance monitoring on MW-14 and MW-15 will be completed as part of the December 2003 monitoring episode. DEFS will notify OCD at least 72 hours prior to the beginning of any construction/startup activity. DEFS anticipates weekly operation and maintenance inspections for the first quarter and will not notify OCD of these activities because they may be scheduled on a short notice.

Thank you for allowing us to complete this project. Do not hesitate to contact me if you have any questions or comments on this report or any other aspects of the projects.

Sincerely,
REMEDIACON INCORPORATED

Michael H. Stewart, PE
Principal Engineer

MHS/tbm

FIGURES

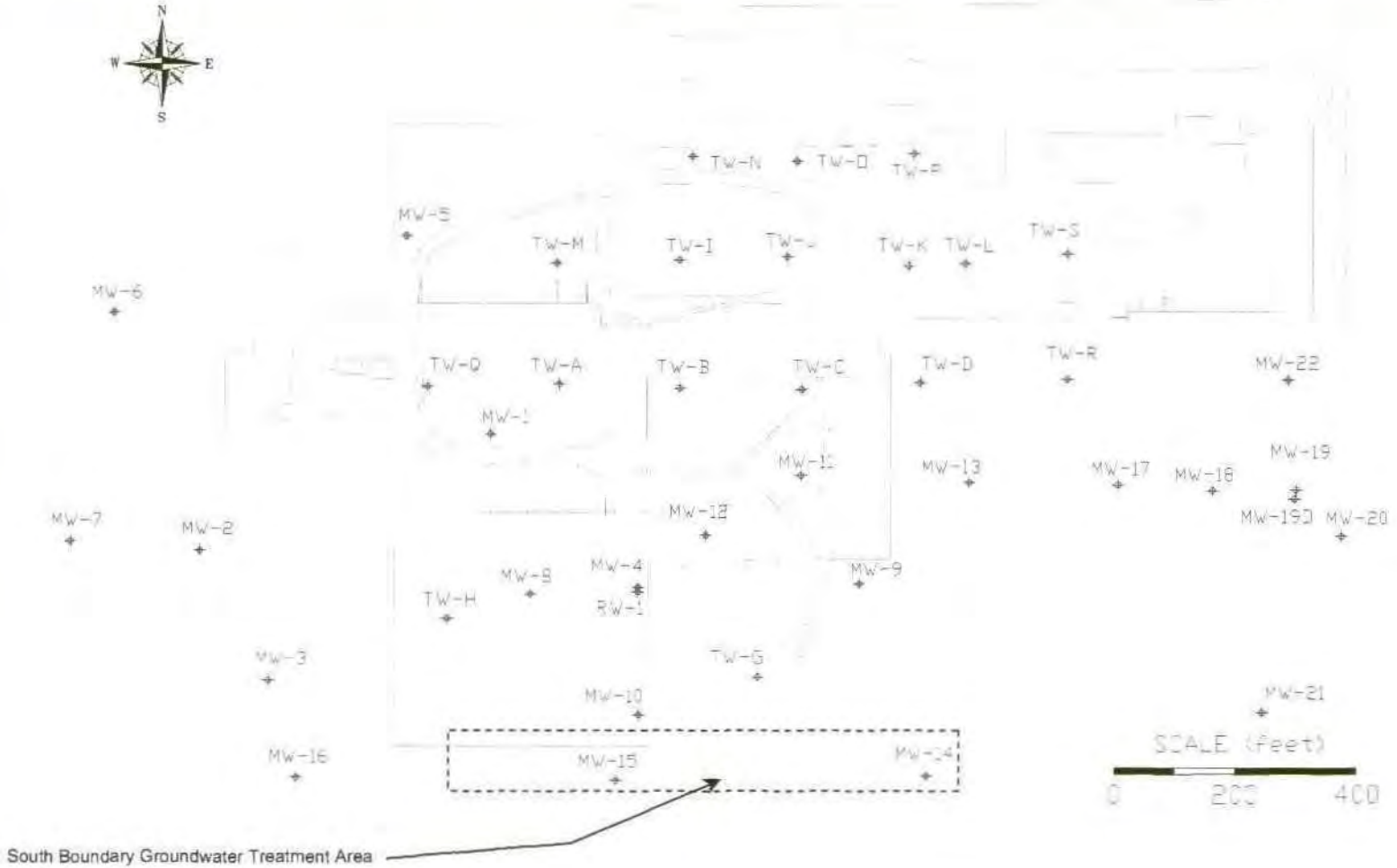


Figure 1 – South Boundary Groundwater Remediation Area

Hobbs Booster Station

Duke Energy Field Services.

DRAWN BY: MHS

DATE: Sep /03

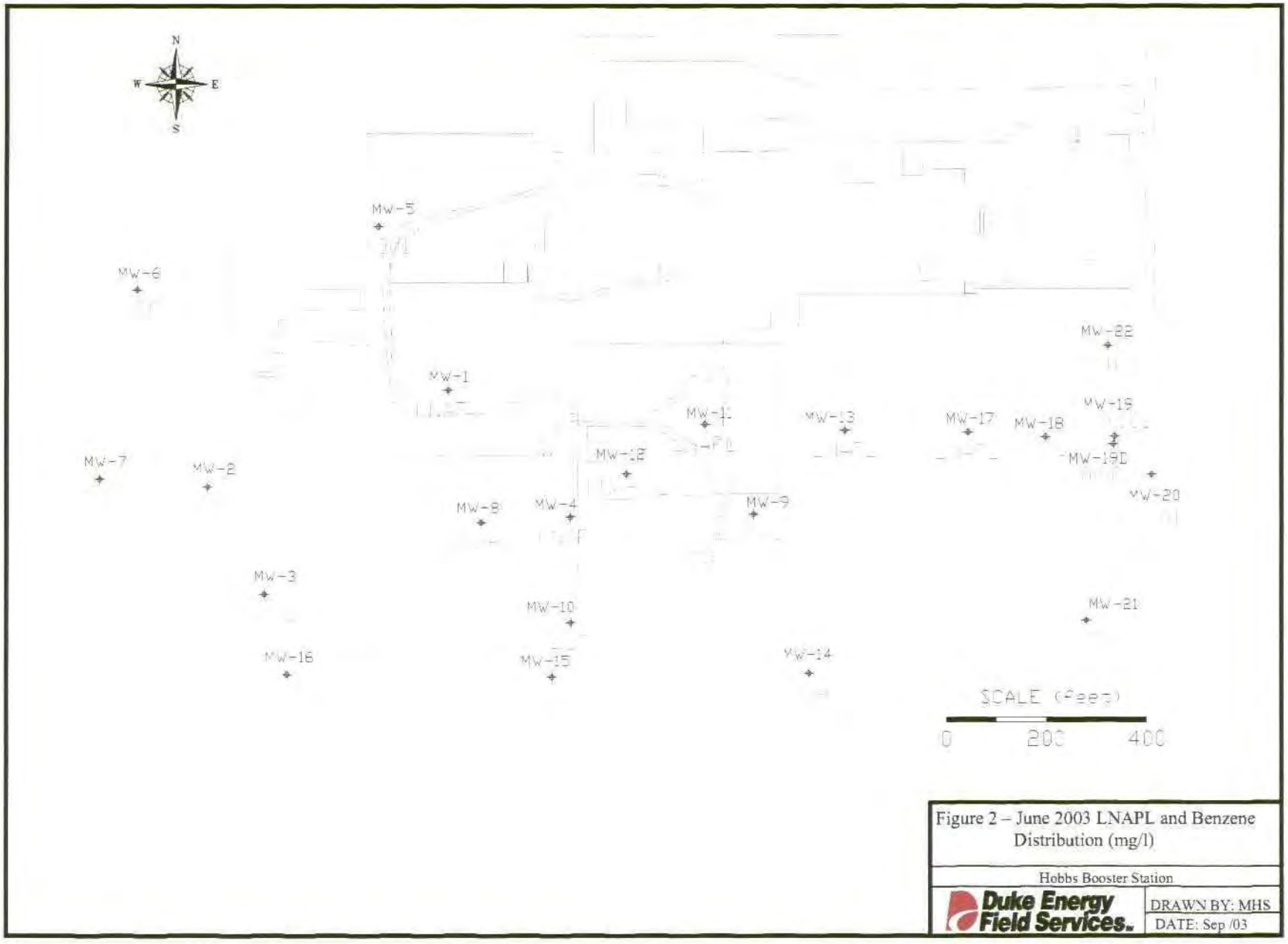


Figure 2 – June 2003 LNAPL and Benzene Distribution (mg/l)

Hobbs Booster Station

Duke Energy Field Services.

DRAWN BY: MHS

DATE: Sep /03

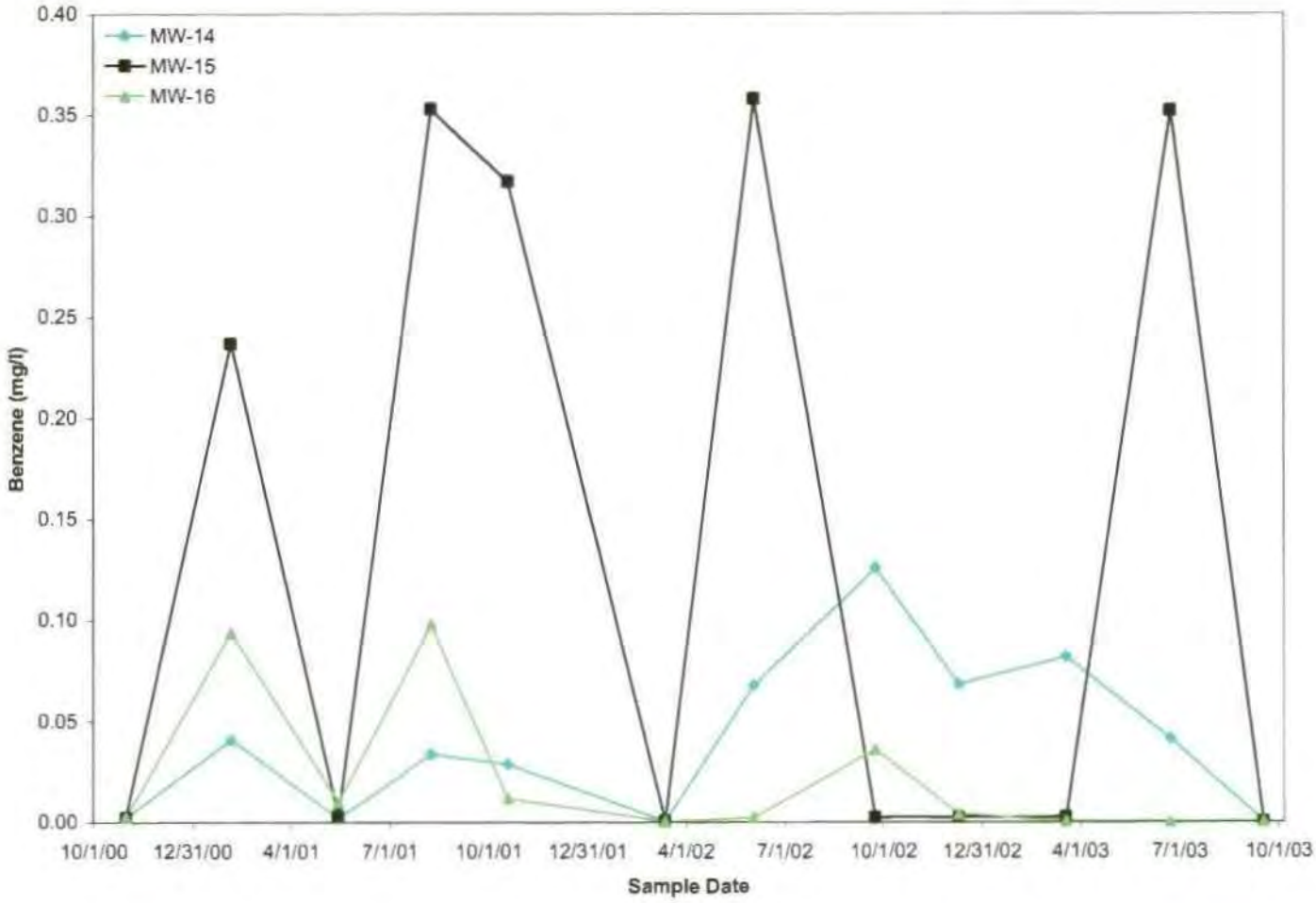


Figure 3 – Benzene Concentration History
For South Boundary Wells

Hobbs Booster Station

Duke Energy Field Services.

DRAWN BY: MHS

DATE: Sep /03

Contour interval is 1 foot

Figure 4 – September 2003 Water Table Contours (feet)

Hobbs Booster Station

Duke Energy Field Services.

DRAWN BY: MHS

DATE: Sep /03

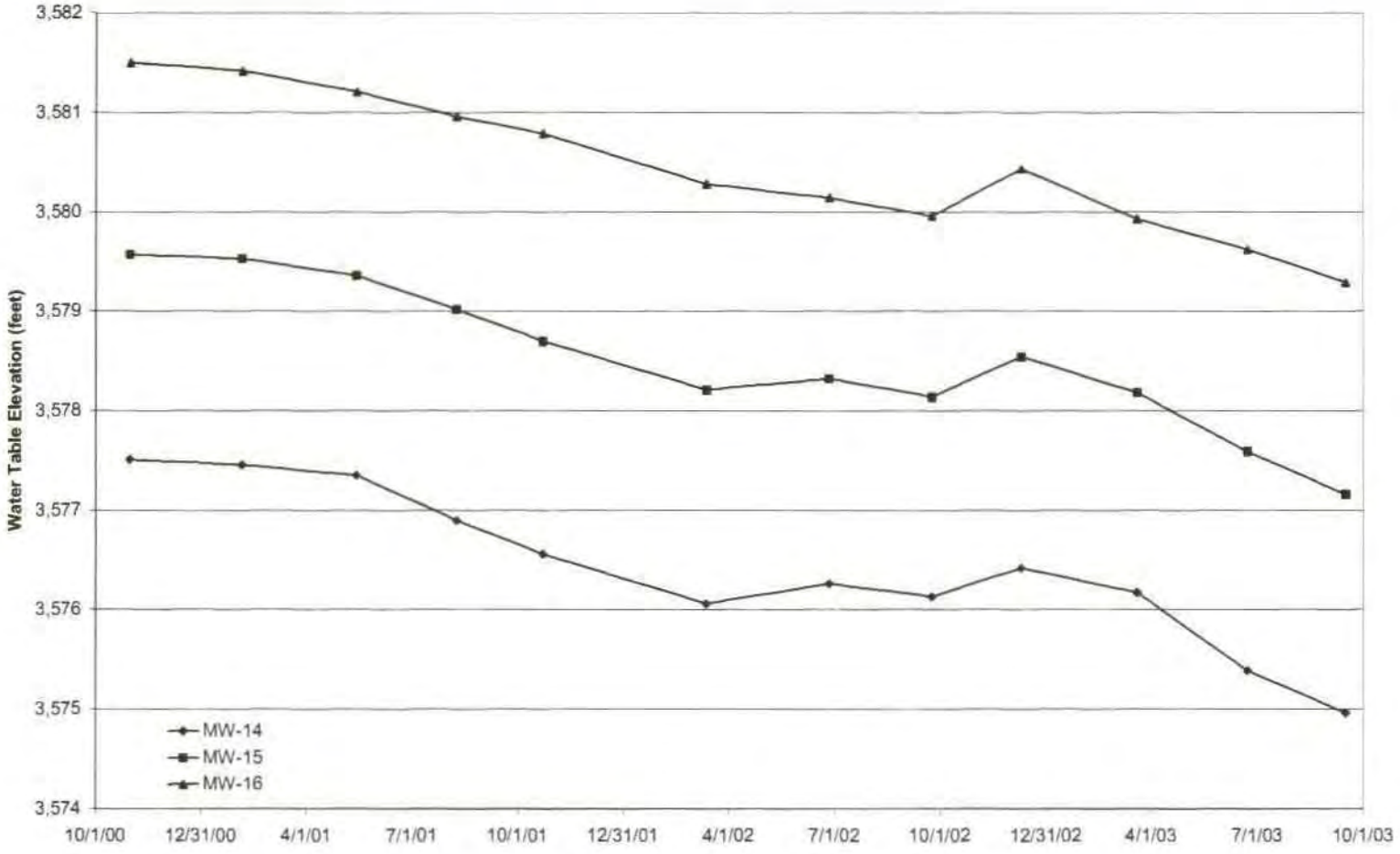


Figure 5 – Hydrographs for Select Monitoring Wells

Hobbs Booster Station

Duke Energy Field Services

DRAWN BY: MHS

DATE: Sep /03

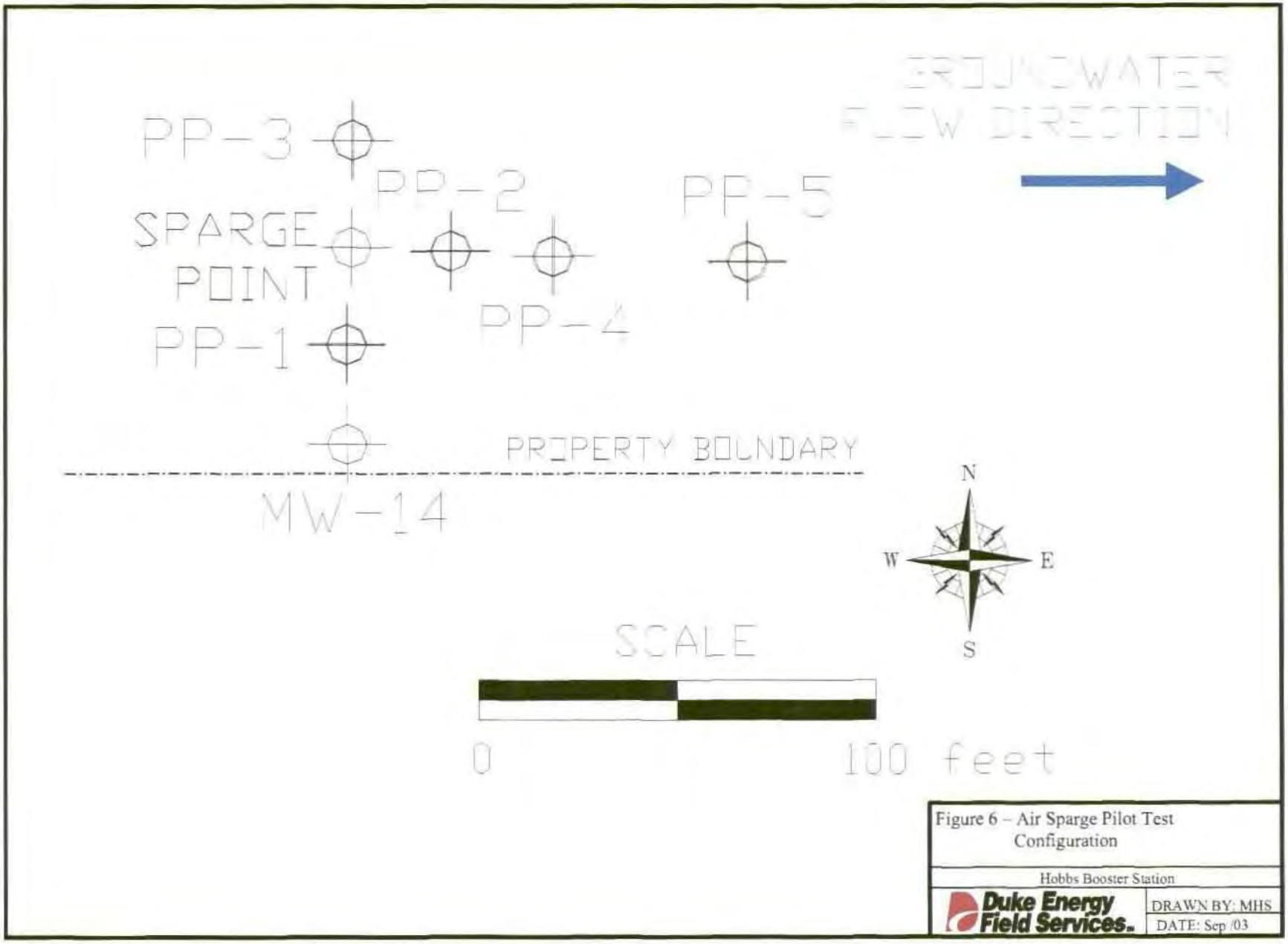


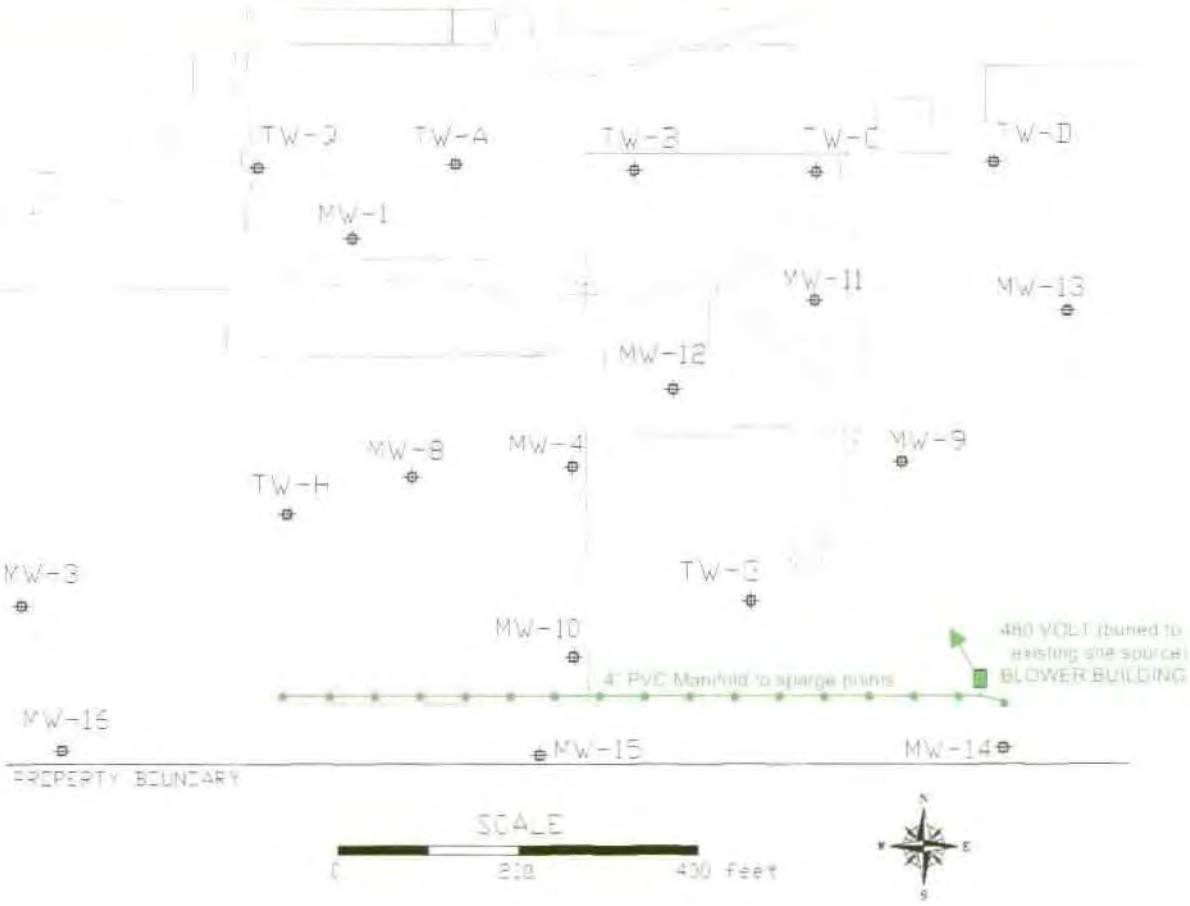
Figure 6 – Air Sparge Pilot Test Configuration

Hobbs Booster Station

Duke Energy Field Services

DRAWN BY: MHS

DATE: Sep /03



PROPOSED SPARGE ASSEMBLY SHOWN IN GREEN

Figure 7 – Proposed Remediation System Components

Hobbs Booster Station

Duke Energy Field Services

DRAWN BY: MHS

DATE: Sep /03

Olson, William

From: Gilbert J Van Deventer [kickbooty@juno.com]
Sent: Thursday, April 24, 2003 4:11 PM
To: wolson@state.nm.us; PSheeley@state.nm.us; LWJohnson@state.nm.us; sdshaver@duke-energy.com; msnault@duke-energy.com; tshunsuc@duke-energy.com
Cc: jmfergerson@grandecom.net; dale.littlejohn@cox.net
Subject: Monument Booster Station groundwater sampling event

Sorry about the late notice but due to other scheduling conflicts I have scheduled to conduct the semi-annual sampling event at the Duke Energy Field Services - Monument Booster Station for tomorrow. If that is a problem for anyone please let me know ASAP and I will reschedule for a later date.

Monument Booster Station is located 1/2 mile east of the intersection of Highway 8 and County Road 41 in Monument (T-19-S, R-37-E, Section 33, Unit Letter B). This event involves the same sampling activities as previous sampling events. After gauging each of seven monitoring wells (MW1-MW-7) for depth to groundwater and product thickness, if any, wells without free product will be purged and then sampled for the following analytes: BTEX, nitrate (NO3), sulfate (SO4), ferrous iron, total iron, and manganese. During purging, the following parameters will also be measured: pH, conductivity, temperature, and dissolved oxygen.

If you have any questions please feel free to call me on my cell phone.

Thanks,
Gil

Gilbert J. Van Deventer, REM gvandeve@umich.edu
Trident Environmental
Office: 915-682-0808
Fax/Home: 915-682-0727
Mobile: 915-638-3106

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

April 29, 2003

Lori Wrotenbery
Director
Oil Conservation Division

Mr. Stephen Weathers
Duke Energy Field Services, LLC
P.O. Box 5493
Denver, Colorado 80217

RE: PROPOSED ACTIVITIES AND PILOT-SCALE PROGRAMS
HOBBS BOOSTER STATION, GW-044

Dear Mr. Weathers:

The New Mexico Oil Conservation Division (OCD) has reviewed Duke Energy Field Services's (DEFS) April 10, 2003 work plan from your consultant, Remediacon Incorporated, for the design characterization activities, selection of remediation technologies and proposal for pilot-scale programs at the Hobbs Booster Station, GW-044. The work plan specified the procedures DEFS would follow during the investigation and pilot-scale programs, analytical laboratory analyses and the reporting. The above referenced work plan **is herewith approved with the following conditions:**

1. All soil and ground water samples shall be sampled and analyzed using EPA approved methods and quality assurance/quality control (QA/QC) procedures.

2. All wastes generated during the investigation activities shall be disposed properly.

3. One copy of a report of the results of all activities relating to the work plan shall be furnished to the OCD Santa Fe office and one copy to the OCD Hobbs District office within 30 days from completion of the work plan.

4. The OCD Hobbs District Office shall be notified 72 hours prior to commencement of activities.

Please be advised that OCD approval does not relieve DEFS of liability should the work plan fail to adequately delineate the limits of soil and/or ground water contamination related to DEFS activities, or if contamination exists which is outside the scope of the work plan. In addition, OCD approval does not relieve DEFSof responsibility for compliance with any other federal, state or local laws and regulations.

If you have any questions, please call me at (505) 476-3489.

Sincerely,

W. Jack Ford, C.P.G.
OCD Environmental Bureau

xc: OCD Hobbs District Office

Duke Energy Field Services Inc.
A Duke Energy Company

P.O. Box 5493
Denver, Colorado 80217
370 17th Street, Suite 900
Denver, Colorado 80202
303 595-3331
Fax: 303 595-0480

April 11, 2003

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

RE: Duke Energy Field Services
Hobbs Booster Station (GW-044)
Lea County, New Mexico

Dear Mr. Ford:

Duke Energy Field Services, LP (DEFS) is pleased to submit for your review, one copy of the following the following report:

- **Update of Design Characterization Activities, Selection of Remediation Technologies and Proposal for Pilot-Scale Programs at the Duke Energy Field Services Hobbs Booster Station, Lea County, New Mexico.**

Upon your approval, DEFS will implement the projects associated with the following activities:

1. Detection Level Groundwater Monitoring
2. Dissolved Phase Boundary Control
3. Free Product Collection

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

Sincerely

Duke Energy Field Services, LP

Stephen Weathers
Sr. Environmental Specialist

Enclosure

cc: Paul Sheeley, OCD Hobbs District
Environmental Files

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 10/22/02,

or cash received on _____ in the amount of $ 400.00

from Duke Field Services

for Hobbs Booster Station (Facility Name) GO-044 (DP No.)

Submitted by: _____ Date: 10-23-02

Submitted to ASD by: _____ Date: _____

Received in ASD by: _____ Date: _____

Filing Fee ___ New Facility ___ Renewal ✓

Modification ___ Other _____ (specify)

Organization Code 521.07 Applicable FY 2001

To be deposited in the Water Quality Management Fund.

Full Payment ✓ or Annual Increment ___

THE FACE OF THIS DOCUMENT HAS A COLORED BACKGROUND ON WHITE PAPER WITH VISIBLE FIBERS AND A TRUE WATERMARK ON THE REVERSE SIDE.

Duke Energy Field Services, LP
Accounts Payable
P.O. Box 5493
Denver, Colorado 80217

THE CHASE MANHATTAN BANK, N.A.
SYRACUSE, NEW YORK
60-937/213

VENDOR NO.	CHECK DATE	CHECK NUMBER
111606	10/22/02	[redacted]

PAY ONLY

CHECK AMOUNT
********$400.00

NOT NEGOTIABLE AFTER 120 DAYS

TO THE ORDER OF
NEW MEXICO-
WATER MANAGEMENT QUALITY
MANAGEMENT FUND
C/O OIL CONSERVATION DIVISION
SANTA FE,NM 87505

David L. Hunter
AUTHORIZED SIGNATURE

■ Four hundred and 00/100 Dollars

HOLD BETW[redacted]PEAR, THEN REAPPEAR.

Duke Energy Field Services, LP
Accounts Payable
P.O. Box 5493
Denver, Colorado 80217

VENDOR NUMBER
111606
VENDOR NAME
NEW MEXICO-

CHECK NUMBER [redacted]
CHECK DATE
10/22/02

INVOICE NUMBER	INVOICE DATE	NET AMOUNT	DESCRIPTION
1002-HOBBS	09/23/02	400.00	
		TOTAL PAID	**$400.00**

PLEASE DETACH AND RETAIN FOR YOUR RECORDS

Duke Energy. Field Services
A New Kind of Energy™

Duke Energy Field Services
P.O. Box 5493
Denver, Colorado 80217
370 17th Street, Suite 900
Denver, Colorado 80202
303/595-3331

October 21, 2002

FEDERAL EXPRESS
PRIORITY OVERNIGHT *(Tracking Number 8358 0612 9215)*

Mr. Jack Ford
New Mexico Energy, Minerals
& Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Subject: Hobbs Booster Station Discharge Plan
Discharge Plan No. GW-044
Lea County, NM

Dear Mr. Ford:

Duke Energy Field Services, LP (DEFS) submits the following for the Hobbs Booster Station.

- Signed Discharge Plan Approval Conditions; and
- Check in the amount of $400.00 for discharge plan flat fee.

If you have any questions regarding this discharge plan, please call me at (303) 605-1717.

Sincerely,
Duke Energy Field Services, LP

Karin Char
Environmental Specialist

cc: NMOCD District 2 Office *(via FedEx Priority Overnight Tracking No. 8358 0612 9204)*
1625 N. French Dr.
Hobbs, New Mexico 88240

Olson, William

From: Gilbert J Van Deventer [kickbooty@juno.com]
Sent: Monday, August 06, 2001 1:27 PM
To: wolson@state.nm.us; swweathers@duke-energy.com; PSheeley@state.nm.us
Cc: jmfergerson@clearsource.net; dale.littlejohn@home.com; sdshaver@duke-energy.com
Subject: Hobbs Boster - Annual sampling event

The annual groundwater sampling event for the DEFS Hobbs Booster Station has been scheduled for Thursday & Friday, August 9th & 10th. Depth to groundwater and LNAPL thicknesses will be measured in each monitoring well. The following monitoring wells will be sampled for BTEX: MW-2, MW-3, MW-5, MW-6, MW-7, MW-8*, MW-10*, MW-14, MW-15, MW-16, MW-18, & MW-19.

Ford, Jack

From: Gilbert J Van Deventer [kickbooty@juno.com]
Sent: Thursday, September 27, 2001 6:05 AM
To: jwford@state.nm.us; PSheeley@state.nm.us; swweathers@duke-energy.com; sdshaver@duke-energy.com
Cc: jmfergerson@clearsource.net; dale.littlejohn@home.com
Subject: Hobbs Booster annual sampling event

The annual groundwater sampling event for the DEFS Hobbs Booster Station at 1625 W. Marland Blvd, Hobbs, NM, has been scheduled for October 10th. Please call me if you have any questions.

Gilbert J. Van Deventer, REM
Trident Environmental
Office: 915-682-0808
Fax: 915-682-0727
Mobile: 915-638-3106

Duke Energy Field Services
A New Kind of Energy™

Duke Energy Field Services
P.O. Box 5493
Denver, Colorado 80217
370 17th Street, Suite 900
Denver, Colorado 80202
303/595-3331

September 5, 2002

RECEIVED
SEP 09 2002
Environmental Bureau
Oil Conservation Division

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

RE: Reports Associated with Duke Energy Field Services Hobbs Booster Station (GW-044), Lea County New Mexico

Dear Mr. Ford:

Duke Energy Field Services, LP (DEFS) is pleased to submit for your review, two copies of the following reports

- **Interpretation of Historical Groundwater Monitoring Data and Recommended Changes to the Monitoring Program at the Duke Energy Field Services Hobbs Booster Station, Lea County New Mexico.**

- **Summary of the Free Product Characterization Activities at the Duke Energy Field Services Hobbs Booster Station, Lea County New Mexico.**

If you have any questions regarding the above mentioned reports, please call me at 303-605-1718.

Sincerely

Duke Energy Field Services, LP

Stephen Weathers
Environmental Specialist

Enclosure

cc: Larry Johnson, OCD Hobbs District
Environmental Files

THE SANTA FE
NEW MEXICAN
Founded 1849

OIL CONSERVATION DIV.

02 SEP 11 PM 12:11

NM OIL CONSERVATION DIVISION

NOTICE OF PUBLICATION

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to the New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-044) - Duke Energy Field Services, LP, Ms. Karin Char, Environmental Specialist, P.O. Box 5493, Denver, Colorado 80217, has submitted a discharge plan renewal application for their Hobbs Booster Station located in the NW/4, Section 4, Township 19 South, Range 38 East, NMPM, Lea County, New Mexico. Current operations are limited to remediation of ground water and operation of a heater/treater. Groundwater most likely to be affected by an accidental discharge ranges from a depth of 40 to 50 feet with a total dissolved solids concentrations ranging from 200 to 600 mg/l. The discharge plan addresses how spill, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday thru Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Request for public hearing shall set forth the reasons why a hearing shall be held. A hearing will be held if the director determines that there is significant public interest.

If no hearing is held, the Director will approve or disapprove the plan based on the information available. If a public hearing is held, the Director will approve the plan based on the information in the plan and information presented at the hearing.

GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 12th day of August, 2002.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL
LORI WROTENBERY, Director
Legal #72028
Pub. Aug. 23, 2002

AD NUMBER: 277197 ACCOUNT: 56689
LEGAL NO: 72028 P.O.#: 03199000050
179 LINES 1 time(s) at $ 78.91
AFFIDAVITS: 5.25
TAX: 5.26
TOTAL: 89.42

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, K. Voorhees being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a Newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication #72028 a copy of which is hereto attached was published in said newspaper 1 day(s) between 08/23/2002 and 08/23/2002 and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 23 day of August, 2002 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ K. Voorhees
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 23 day of August A.D., 2002

Notary Laura L. Harding

Commission Expires 11/23/03

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of 1

_____ weeks.

Beginning with the issue dated

August 23 2002

and ending with the issue dated

August 23 2002

Kathi Bearden

Publisher

Sworn and subscribed to before

me this 23rd day of

August 2002

Jodi Henson

Notary Public.

My Commission expires
October 18, 2004
(Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE
August 23, 2002
NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES
DEPARTMENT OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to the New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-044) - Duke Energy Field Services, LP, Ms. Karin Char, Environmental Specialist, P.O. Box 5493, Denver, Colorado 80217, has submitted a discharge plan renewal application for their Hobbs Booster Station located in the NW/4, Section 4, Township 19 South, Range 38 East, NMPM, Lea County, New Mexico. Current operations are limited to remediation of ground water and operation of a heater/treater. Groundwater most likely to be affected by an accidental discharge ranges from a depth of 40 to 50 feet with a total dissolved solids concentrations ranging from 200 to 600 mg/l. The discharge plan addresses how spill, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday thru Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Request for public hearing shall set forth the reasons why a hearing shall be held.
A hearing will be held if the director determines that there is significant public interest.

If no hearing is held, the Director will approve or disapprove the plan based on the information available. If a public hearing is held, the Director will approve the plan based on the information in the plan and information presented at the hearing.

GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 12th day of August, 2002.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

LORI WROTENBERY, Director
(seal)
#19183

01100060000 02558412

State of New Mexico Oil &
1220 S. St. Francis
Santa Fe, NM 87505

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

August 29, 2002

Ms. Cheryal Wilks
2033 Gary Lane
Hobbs, New Mexico 88240

RE: Letter of Inquiry
BJ Unichem Chemicals Hobbs Facility and Duke Energy Field Services
Hobbs Booster Station

Dear Ms. Wilks,

The New Mexico Oil Conservation Division is in receipt of your letter, dated August 23, 2002, regarding your concerns of potential groundwater impact from the two above captioned facilities. The Director has asked me to respond to your inquiry.

Based upon public information available from the New Mexico State Engineer's files your domestic well is located in an up-gradient (higher) position in relationship to the captioned facilities. In the event of a spill and/or leak occurring at the above captioned facilities an impact from these facilities to your domestic water supply is unlikely. The Oil Conservation Division is aware that oil field operations have in the past created impacts to the ground water in the Hobbs area and are working diligently to address those conditions.

I trust this response will alleviate your concerns regarding operation of these two facilities. As the person responsible for overseeing that the operations of the subject facilities comply with all Oil Conservation Division rules and regulations I would be pleased to attempt to answer any questions you may have. I may be contacted at this address or by telephone at (505) 476-3489. My e-mail address is: jwford@state.nm.us

Sincerely,

W. Jack Ford, C.P.G.
Environmental Engineer
Oil Conservation Division

cc: OCD Hobbs District Office

August 23, 2002

Director of Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

To Whom It May Concern:

I noticed the Notice of Publication in the Hobbs News-Sun today regarding clean-up of two locations in the Hobbs, New Mexico area.

The first is (GW-094) for B J Unichem Chemicals located in NW4 NW4, Sec 34, T18S R38E, Lea County New Mexico. The second is (GW-044) for Duke Energy located in NW4, Section 4 T19S R38E, Lea County New Mexico.

My question is, since I live in NE 4 – NE 4 -Sec 30 T18S R38E, what is the probability of this clean-up and run off affecting my water well. We are constantly battling the effects of the ground water contamination from various oil companies in the area already, do we need another headache. We don't have an option in this area of Lea County, as the City is unsupportive of installing city water to our area. Directly across the street from my residence is a Retirement Home and they depend also on the water from their well. My mother and several of the neighbors have had to have their wells re-drilled and taken to deeper depths due to contamination. I feel this is not fair to the general working public.

I would just like to have information concerning the side affects of their actions. I am a widow and do not have the resources to pay for another water well due to some companies indiscretion over the years.

Your response to this matter would be greatly appreciated.

Thanks,
Cheryal Wilks
2033 Gary Lane
Hobbs, NM 88240

Ford, Jack

From: Martin, Ed
Sent: Tuesday, August 20, 2002 8:02 AM
To: Santa Fe New Mexican (E-mail)
Cc: Ford, Jack; Anaya, Mary
Subject: Legal Notices

Please publish the attached legal notices, one time only, on or before Friday, August 23, 2002.
Upon publication, forward to this office:
1. Affidavit of publication
2. Invoice. Our purchase order number is **03-199-000050**

If you have any questions, please contact me.
Thank you.

Publ. Notice GW-094.Doc
Publ. Notice GW-044.Doc
Publ. Notice GW-114.Doc
Publ. Notice GW-287.Doc

Ed Martin
New Mexico Oil Conservation Division
Environmental Bureau
1220 S. St. Francis
Santa Fe, NM 87505
Phone: 505-476-3492
Fax: 505-476-3471

Ford, Jack

From: Martin, Ed
Sent: Tuesday, August 20, 2002 8:05 AM
To: Hobbs News-Sun Attn: Brenda Tison (E-mail)
Cc: Ford, Jack; Anaya, Mary
Subject: Legal Notices

Please publish the attached legal notices, one time only, on or before Friday, August 23, 2002.
Upon publication, forward to this office:
1. Affidavit of publication.
2. Invoice. Our purchase order number is **03-199-050129**

If you have any questions, please contact me.
Thank you.


Publ. Notice GW-044.Doc


Publ. Notice GW-094.Doc

Ed Martin
New Mexico Oil Conservation Division
Environmental Bureau
1220 S. St. Francis
Santa Fe, NM 87505
Phone: 505-476-3492
Fax: 505-476-3471

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to the New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-044) – Duke Energy Field Services, LP, Ms. Karin Char, Environmental Specialist, P.O. Box 5493, Denver, Colorado 80217, has submitted a discharge plan renewal application for their Hobbs Booster Station located in the NW/4, Section 4, Township 19 South, Range 38 East, NMPM, Lea County, New Mexico. Current operations are limited to remediation of ground water and operation of a heater/treater. Groundwater most likely to be affected by an accidental discharge ranges from a depth of 40 to 50 feet with a total dissolved solids concentrations ranging from 200 to 600 mg/l. The discharge plan addresses how spill, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday thru Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Request for public hearing shall set forth the reasons why a hearing shall be held.
A hearing will be held if the director determines that there is significant public interest.

If no hearing is held, the Director will approve or disapprove the plan based on the information available. If a public hearing is held, the Director will approve the plan based on the information in the plan and information presented at the hearing.

GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 12th day of August, 2002.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

LORI WROTENBERY, Director

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 7/23/02,

or cash received on _____ in the amount of $ 100.00

from Duke Energy Field Services

for Hobbs Booster Station (Facility Name) GW-044 (OCD No.)

Submitted by: _____ Date: 8-8-02

Submitted to ASD by: _____ Date: _____

Received in ASD by: _____ Date: _____

Filing Fee ✓ New Facility ___ Renewal ✓

Modification ___ Other _____ (specify)

Organization Code 521.07 Applicable FY 2001

To be deposited in the Water Quality Management Fund.

Full Payment ✓ or Annual Increment ___

THE FACE OF THIS DOCUMENT HAS A COLORED BACKGROUND ON WHITE PAPER WITH VISIBLE FIBERS AND A TRUE WATERMARK ON THE REVERSE SIDE.

Duke Energy Field Services, LP
Accounts Payable
P.O. Box 5493
Denver, Colorado 80217

THE CHASE MANHATTAN BANK, N.A.
SYRACUSE, NEW YORK

VENDOR NO.	CHECK DATE	CHECK NUMBER
111615	07/23/02	[redacted]

PAY ONLY

NOT NEGOTIABLE AFTER 120 DAYS

CHECK AMOUNT
*******$100.00

TO THE ORDER OF
NMEG-
Oil Conservation Division
2040 S Pacheco St
Santa Fe,NM 87505

AUTHORIZED SIGNATURE

One hundred and 00/100 Dollars

HOLD BETWEEN THUMB AND FOREFINGER, OR BREATHE ON COLORED BOX, COLOR WILL DISAPPEAR, THEN REAPPEAR.

[redacted]

Duke Energy Field Services, LP
Accounts Payable
P.O. Box 5493
Denver, Colorado 80217

VENDOR NUMBER
111615
VENDOR NAME
NMED-

CHECK NUMBER
[redacted]
CHECK DATE
07/23/02

INVOICE NUMBER	INVOICE DATE	NET AMOUNT	DESCRIPTION
0702	07/17/02	100.00	HOBBS BOOSTER STATION
			TOTAL PAID **$100.00**

PLEASE DETACH AND RETAIN FOR YOUR RECORDS

Duke Energy Field Services
A New Kind of Energy™

Duke Energy Field Services
P.O. Box 5493
Denver, Colorado 80217
370 17th Street, Suite 900
Denver, Colorado 80202
303/595-3331

August 1, 2002

FEDERAL EXPRESS
PRIORITY OVERNIGHT *(Tracking Number 8318 1980 9342)*

Mr. Jack Ford
New Mexico Energy, Minerals
& Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Subject: Hobbs Booster Station Discharge Plan Renewal
Discharge Plan No. GW-044
Lea County, NM

Dear Mr. Ford:

Duke Energy Field Services, LP (DEFS) would like to renew the Hobbs Booster Station discharge plan for the remediation operations as previously approved by the New Mexico Oil Conservation Division with the most recent approval of April 17, 2002. Current DEFS operations at the Hobbs Booster Station are limited to remediation operations and operation of a heater/treater. Therefore, the renewal of the discharge plan is limited to the remediation operations of the booster station.

DEFS submits the following:

- Discharge plan renewal application (original and one copy) for the Hobbs Booster Station located in NW/4 Section 4, Township 19 South, Range 38 East; and
- Check in the amount of $100.00 for discharge plan application filing fee.

If you have any questions regarding this discharge plan renewal application, please call me at (303) 605-1717.

Sincerely,
Duke Energy Field Services, LP

Karin Char
Environmental Specialist

cc: NMOCD District 2 Office *(via FedEx Priority Overnight Tracking No. 8318 1980 9401)*
1625 N. French Dr.
Hobbs, New Mexico 88240

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87504

State of New Mexico
Energy Minerals and Natural Resour

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87504

Revised January 24, 2001

Submit Original
Plus 1 Copy
to Santa Fe
1 Copy to Appropriate
District Office

DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES,GAS PLANTS, REFINERIES, COMPRESSOR, GEOTHERMAL FACILITES AND CRUDE OIL PUMP STATIONS

(Refer to the OCD Guidelines for assistance in completing the application)

☐ New ☒ Renewal ☐ Modification

1. Type: Hobbs Booster Station Remediation Operations as previously approved by NMOCD.

2. Operator: Duke Energy Field Services, LP
   Address: 3300 N. A Street, Bldg. 7, Midland, TX 79705
   Contact Person: Mark Nault – Asset Manager Phone: (505) 397-5701

3. Location: 1625 W. Marland Blvd., Hobbs, NM 88240
   NW/4, Section 4, Township 19 South, Range 38 East, Lea County, New Mexico

4. Attach the name, telephone number and address of the landowner of the facility site.
   Duke Energy Field Services, LP
   370 17th Street, Suite 900
   Denver, CO 80202
   Contact Person: John Admire – Director, Environmental Protection
   Phone: (303) 595-3331

5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
   New fencing was installed at the facility. See attached plot plan for new fence locations.

6. Attach a description of all materials stored or used at the facility.
   No change.

7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.
   No change.

8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
   No change.

9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.
   No change.

10. Attach a routine inspection and maintenance plan to ensure permit compliance.
    No change.

11. Attach a contingency plan for reporting and clean-up of spills or releases.
    DEFS will respond to spills and report spills and leaks according to the requirements of the State of New Mexico found in NMOCD Rule 116, 19.15.C.116 NMAC and WQCC regulation, 20.6.2.1203 NMAC.

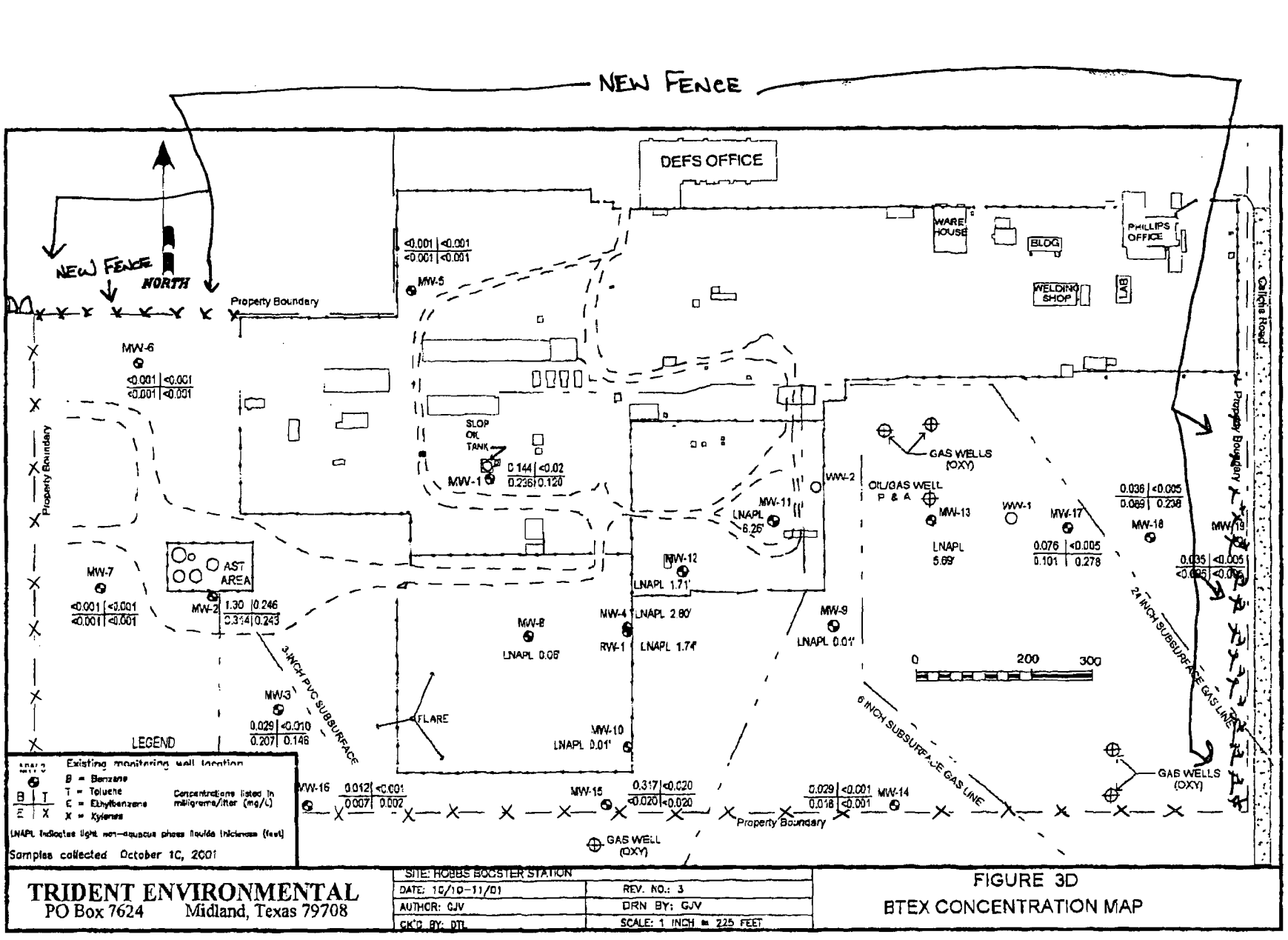
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.
    No change.

13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.
    All unauthorized releases and discharges will be reported to the NMOCD in accordance with NMOCD Rule 116, 19.15.C.116 NMAC and WQCC regulation, 20.6.2.1203 NMAC.

14. CERTIFICATION I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Mark Nault Title: Asset Manager

Signature: Mark Nault Date: 7-31-02



TRIDENT ENVIRONMENTAL PO Box 7624 Midland, Texas 79708	SITE: HOBBS BOOSTER STATION DATE: 10/10-11/01 REV. NO.: 3 AUTHOR: CJV DRN BY: CJV CK'D BY: DTL SCALE: 1 INCH = 225 FEET

FIGURE 3D
BTEX CONCENTRATION MAP

REPAIRED EXISTING FENCE ALONG SOUTH PROPERTY LINE

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

July 10, 2002

CERTIFIED MAIL
RETURN RECEIPT NO. 3929 9031

Ms. Karin Char
Duke Energy Field Services, LLC
370 Seventeenth Street, Suite 900
Denver, Colorado 80202

RE: Discharge Plan Renewal Notice for Duke Energy Field Services, LLC Facility

Dear Ms. Char:

The OCD is providing Duke Energy Field Services, LLC a six months notice that the following discharge plans expire.

GW-128 expires 11/20/2002 – Hat Mesa Compressor Station
GW-044 expires 12/23/2002 – Hobbs Booster Compressor Station

WQCC 3106.F. If the holder of an approved discharge plan submits an application for discharge plan renewal at least 120 days before the discharge plan expires, and the discharger is not in violation of the approved discharge plan on the date of its expiration, then the existing approved discharge plan for the same activity shall not expire until the application for renewal has been approved or disapproved. A discharge plan continued under this provision remains fully effective and enforceable. An application for discharge plan renewal must include and adequately address all of the information necessary for evaluation of a new discharge plan. Previously submitted materials may be included by reference provided they are current, readily available to the secretary and sufficiently identified to be retrieved. [12-1-95]

The discharge plan renewal application for each of the above facilities is subject to WQCC Regulation 3114. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of $100.00 plus a flat fee based upon the horsepower rating for gas processing facilities. The $100.00 filing fees is are be submitted with the discharge plan renewal applications and are nonrefundable.

Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office. Please submit the original discharge plan renewal application and one copy to the OCD Santa Fe Office and one copy to the OCD Artesia District Office. **Note that the completed and signed application form must be submitted with your discharge plan renewal request.** (Copies of the WQCC regulations and discharge plan application form and guidelines are enclosed to aid you in preparing the renewal application. A complete copy of the regulations is also available on OCD's website at **www.emnrd.state.nm.us/ocd/**).

If any of the above facilities no longer has any actual or potential discharges and a discharge plan is not needed, please notify this office. If the Duke Energy Field Services, LLC has any questions, please do not hesitate to contact Mr. W. Jack Ford at (505) 476-3489.

Sincerely,

Roger C. Anderson
Oil Conservation Division

RAC/wjf

cc: OCD Hobbs District Office

Duke Energy Field Services
A New Kind of Energy™

Duke Energy Field Services
P.O. Box 5493
Denver, Colorado 80217
370 17th Street, Suite 900
Denver, Colorado 80202
303/595-3331

RECEIVED
APR 16 2002
Environmental Bureau
Oil Conservation Division

April 9, 2002

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

RE: 2002 First Quarter Groundwater Report for the Hobbs Booster Station, Lea County New Mexico

Dear Mr. Ford:

Duke Energy Field Services, LP (DEFS) is pleased to submit for your review, one copy of the 2002 First Quarter Groundwater Report for the Hobbs Booster Station located in Lea County, New Mexico.

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

Sincerely

Duke Energy Field Services, LP

Stephen Weathers
Environmental Specialist

Enclosure

cc: Environmental Files

NEW MEXICO ENERGY, MINERALS and
NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

April 17, 2002

CERTIFIED MAIL
RETURN RECEIPT NO. 3929 7730

Mr. Stephen Weathers
Duke Energy Field Services, LLC
P.O. Box 5493
Denver, Colorado 80217

RE: GROUND WATER REMEDIATION SYSTEM
HOBBS BOOSTER STATION, GW-044

Dear Mr. Weathers:

The New Mexico Oil Conservation Division (OCD) has reviewed Duke Energy Field Services's (DEFS) March 22, 2002 work plan from your consultant, Remediacon Incorporated (RI), for the GROUND WATER REMEDIATION SYSTEM at the Hobbs Booster Station, GW-044. The work plan specified the procedures DEFS would follow during the remediation, ground water sampling, analytical laboratory analyses and reporting. The above referenced work plan **is herewith approved with the following conditions:**

1. Any soil and all ground water samples shall be sampled and analyzed using EPA approved methods and quality assurance/quality control (QA/QC) procedures.

2. All wastes generated during the investigation activities shall be disposed properly.

3. One copy of a report of the results of all activities relating to the work plan shall be furnished to the OCD Santa Fe office and one copy to the OCD Hobbs District office within 30 days from completion of the work plan.

4. The OCD Hobbs District Office shall be notified 72 hours prior to commencement of the Ground Water Remediation activities.

5. The OCD will review the design of the boundary control system prior to system construction.

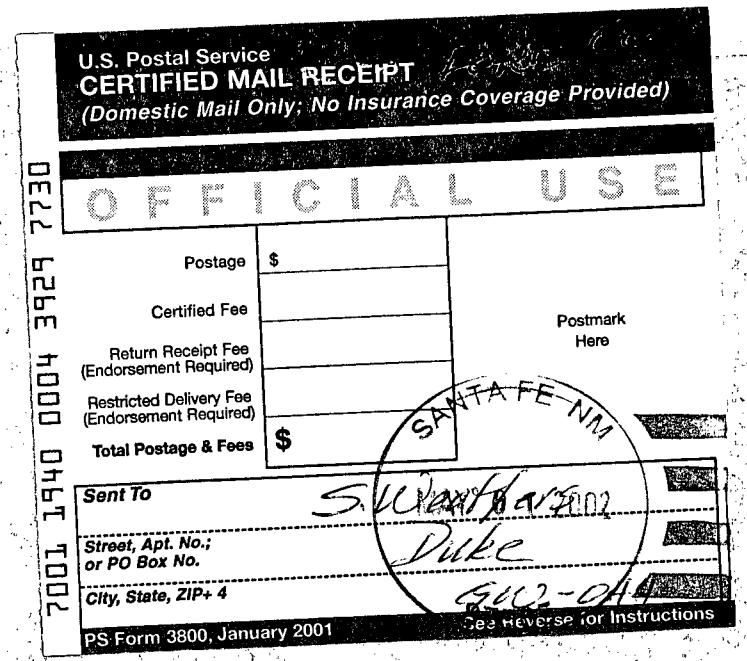
Please be advised that OCD approval does not relieve DEFS of liability should the work plan fail to adequately delineate the limits of soil and/or ground water contamination related to DEFS activities, or if contamination exists which is outside the scope of the work plan. In addition, OCD approval does not relieve DEFS of responsibility for compliance with any other federal, state or local laws and regulations.

If you have any questions, please call Mr. W. Jack Ford at (505) 827-7156.

Sincerely,

Roger C. Anderson
Chief, OCD Environmental Bureau

xc: OCD Hobbs District Office



GW-44

Olson, William

From: Gilbert J Van Deventer [kickbooty@juno.com]
Sent: Wednesday, February 27, 2002 12:58 PM
To: jwford@state.nm.us; msnault@duke-energy.com; wolson@state.nm.us; sdshaver@duke-energy.com; PSheeley@state.nm.us; stewartmike@yahoo.com; swweathers@duke-energy.com
Cc: jmfergerson@clearsource.net; dale.littlejohn@cox.net
Subject: Hobbs Booster Groundwater Sampling Event

The first quarter groundwater sampling event for the Duke Energy Hobbs Booster Station has been scheduled for March 13-14, 2002.

Monitoring wells MW-1 through MW-19 will gauged for depth to groundwater and measured for product thickness, if any. Monitoring wells will be sampled and analyzed for BTEX, NO3, SO4, Fe3-, Fe2-, and Mn if no product is present.

Gilbert J. Van Deventer, REM gilvandeventer@yahoo.com
Trident Environmental
Office: 915-682-0808
Fax/Home: 915-682-0727
Mobile: 915-638-3106

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

February 21, 2001

CERTIFIED MAIL
RETURN RECEIPT NO. 3929 7532

Mr. Stephen Weathers
Duke Energy Field Services, Inc.
P.O. Box 5493
Denver, Colorado 80217

RE: Hobbs Booster Station, GW-044
Lea County, New Mexico

Dear Mr. Weathers:

A review of the 2001 Annual Groundwater Report submitted by your consultant, Trident Environmental, has indicated that additional attention should be given to the groundwater problem at this location. Reported data shows an active plume exists across this site and requires additional remedial efforts to stabilize movement. The increase in concentration of BETX constituents in the ground water along the southern and eastern boundaries of the property will require further delineation of the extent of the plume.

The recommendations proposed by Trident Environmental are acceptable to the OCD with the following additional conditions:

1. Due to the increase in product thickness in several wells, particularly MW-13, the OCD would require a more aggressive approach to recovery of LNAPL than has been previously used;

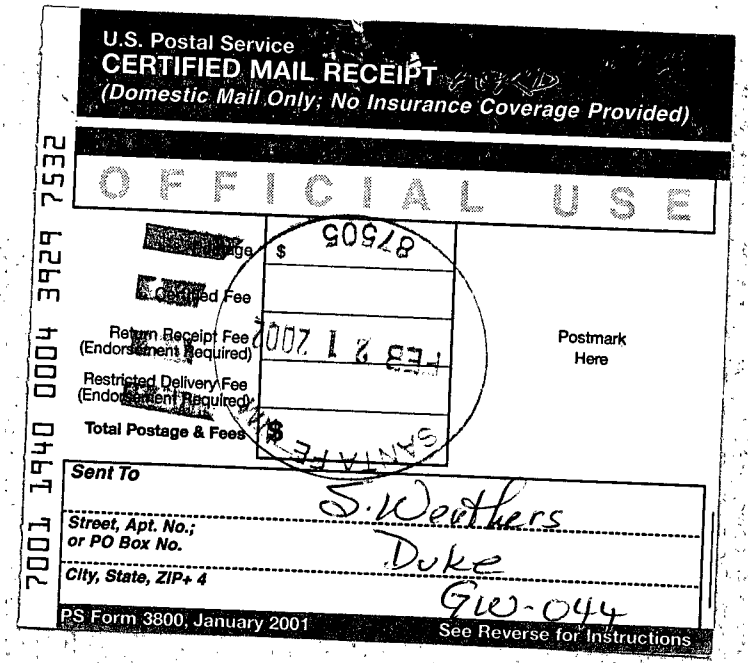
2. Since groundwater is above WQCC standards in the southern and easternmost monitor wells Duke Energy Field Services shall complete the delineation of the down-gradient and lateral extent of the contamination plume.

Duke Energy Field Services will prepare a workplan that addresses these issues and recommendations for submittal to the OCD for approval. The workplan shall be received by the OCD not later than April 1, 2002. If you have any questions please contact me at (505) 476-3489.

Sincerely,

W. Jack Ford, C.P.G.
Environmental Bureau
Oil Conservation Division

cc: OCD Hobbs District Office



Duke Energy Field Services
A New Kind of Energy™

Duke Energy Field Services
P.O. Box 5493
Denver, Colorado 80217
370 17th Street, Suite 900
Denver, Colorado 80202
303/595-3331

February 12, 2002

Mr. Jack Ford **Certified Letter 7001 1140 0003 5926 3479**
New Mexico Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

RE: 2001 Annual Groundwater Report for the Hobbs Booster Station, Lea County New Mexico

Dear Mr. Ford:

Duke Energy Field Services, LP (DEFS) is pleased to submit for your review, one copy of the 2001 Annual Groundwater Report for the Hobbs Booster Station located in Lea County, New Mexico. The annual groundwater report incorporates the two semiannual sampling events that were completed this year.

If you have any questions regarding the 2001 Annual Groundwater Report, please call me at 303-605-1718.

Sincerely
Duke Energy Field Services, LP

Stephen Weathers
Environmental Specialist

Enclosure

cc: Paul Sheeley, OCD Hobbs District
Environmental Files

Olson, William

From: Gilbert J Van Deventer [kickbooty@juno.com]

Sent: Friday, February 08, 2002 9:44 AM

To: msnault@duke-energy.com; wolson@state.nm.us; sdshaver@duke-energy.com; PSheeley@state.nm.us; swweathers@duke-energy.com; jmfergerson@clearsource.net; dale.littlejohn@cox.net

Subject: DEFS Lee & Monument groundwater sampling events

The first quarter groundwater sampling events have been scheduled for the following facilities:

Monday, February 11, 2002
Duke Energy Field Sevices LP - Lee Gas Plant:
MW3,11,12,13,19,20,&21 for BTEX, CH_3, NO_3, SO_4, Fe^{-2}, Fe^{-3}, Mn

GW-002

Tuesday, February 12, 2002
Duke Energy Field Sevices LP - Monument Booster:
MW1d,2,3,4,6,&7 for BTEX, CH_3, NO_3, SO_4, Fe^{-2}, Fe^{-3}, Mn

GW-044

Gilbert J. Van Deventer, REM gilvandeventer@yahoo.com
Trident Environmental
Office: 915-682-0808
Fax/Home: 915-682-0727
Mobile: 915-638-3106

Ford, Jack

From: Gilbert J. Van Deventer[SMTP:Gilbert.Vandeventer@trw.com]
Sent: Wednesday, January 31, 2001 8:35 AM
To: Weathers, Steve; Ford, Jack; Olson, Bill; Williams, Donna
Cc: Fergerson, John
Subject: Groundwater Sampling Notification

TRW has scheduled groundwater sampling events for the following sites:

Feb. 5-6, 2001
DEFS-Lee Gas Plant
Semi-annual groundwater sampling event
BTEX: MW3,11,12,13,19,20,&21

Feb. 6-7, 2001
DEFS-Linam Ranch Gas Plant
Semi-annual groundwater sampling event
BTEX, SO4, NO3, DO: MW1,2,3,5,7,8,9,10,11,12,&13

Feb. 8-9, 2001
DEFS-Hobbs Booster Station
First Quarter 2001 groundwater sampling event
BTEX: MW1,2,3,5,6,7,14,15,16,&19 (also MW8,9,10,&18 if no product)

Feb. 12, 2001
DEFS-Monument Booster Station
Semi-annual groundwater sampling event
BTEX, SO4, NO3, DO: MW1d,2,3,4,6,&7

FULBRIGHT & JAWORSKI L.L.P.
A REGISTERED LIMITED LIABILITY PARTNERSHIP
1301 MCKINNEY, SUITE 5100
HOUSTON, TEXAS 77010-3095

TELEPHONE: 713/651-5151
FACSIMILE: 713/651-5246

WRITER'S INTERNET ADDRESS:
elewis@fulbright.com

WRITER'S DIRECT DIAL NUMBER:
713/651-3760

HOUSTON
WASHINGTON, D.C.
AUSTIN
SAN ANTONIO
DALLAS
NEW YORK
LOS ANGELES
MINNEAPOLIS
LONDON
HONG KONG

January 15, 2001

Re: Notification of Name Change to Duke Energy Field Services, LP

Mr. Roger Anderson
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Dear Mr. Anderson:

In a February 16, 2000 letter addressed to you from Mel Driver of GPM Gas Company, LLC, Mr. Driver informed you that GPM Gas Company, LLC and Duke Energy Field Services, LLC were planning to undergo an internal corporate reorganization later in the year. As a result of this corporate reorganization, which has now taken place, facilities that were formerly operated under the name of GPM Gas Company, LLC are now being operated under the name of Duke Energy Field Services, LP. A chart that lists facilities with New Mexico Oil Conservation Division permits that are affected by this change is enclosed with this letter. Please update your records to reflect Duke Energy Field Services, LP as the permit holder for the facilities listed on the enclosed chart.

Thank you for your assistance, and please feel free to call me at (713) 651-3760 if you have any questions.

Very truly yours,

Eddie Lewis

Edward C. Lewis

ECL/jnr

5589827.1

cc: Ms. Nelda Morgan
New Mexico Oil Conservation Division
1625 North French Drive
Hobbs, New Mexico 88240

Ms. Vicki Gunter
Duke Energy Field Services, LP
P. O. Box 50020
Midland, Texas 79710

FACILITY NAME	PERMIT NUMBER	CURRENT NAME	NEAREST CITY
Artesia Plant	GW-168	GPM Gas Company, LLC	Artesia
Avalon Plant	GW-024	GPM Gas Company, LLC	Carlsbad
Eunice Plane	GW-009	GPM Gas Company, LLC	Eunice
Feagen	GW-168	GPM Gas Company, LLC	Artesia
Hat Mesa	GW-128	GPM Gas Company, LLC	Hobbs
Hobbs	GW-044	GPM Gas Company, LLC	Hobbs ✓
Indian Hills	GW-042	GPM Gas Company, LLC	Carlsbad
Lee Plant	GW-002	GPM Gas Company, LLC	Lovington
Linam Ranch Plant	GW-015	GPM Gas Company, LLC	Hobbs
Maljamar	GW-177	GPM Gas Company, LLC	Lovington
Sand Dunes	GW-142	GPM Gas Company, LLC	Loving
Won Ton	GW-178	GPM Gas Company, LLC	Lovington
Zia Plant	GW-145	GPM Gas Company, LLC	Maljamar

Duke Energy Field Services, LP

P.O. Box 5493
Denver, Colorado 80217
370 17th Street, Suite 900
Denver, Colorado 80202
Direct: 303-595-3331
Fax: 303-893-8902

January 5, 2001

Mr. Jack Ford, C.P.G.
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division – Environmental Bureau
2040 South Pacheco Street
Santa Fe, New Mexico 87505

RE: Annual Groundwater Monitoring, Remediation and Investigation Report, for the Hobbs Booster Station, Lea County New Mexico

Dear Mr. Ford:

Duke Energy Field Services, LP (DEFS) is pleased to submit for your review, one copy of the Annual Groundwater Monitoring, Remediaiton and Investigation Report for the Hobbs Booster Station located near Hobbs, New Mexico.

The purpose of this report is to summarize the following activities that were completed at the Hobbs Booster Station.

- Annual groundwater monitoring results
- Product recovery operations
- Phase III groundwater investigation

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

Sincerely
Duke Energy Field Services, LP

Stephen Weathers
Environmental Specialist

Enclosure

cc: Donna Williams, OCD Hobbs District
Environmental Files

NEW MEXICO ENERGY, MINERALS and
NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

October 10, 2000

CERTIFIED MAIL
RETURN RECEIPT NO. 5050 9948

Mr. Stephen Weathers
Duke Energy Field Services, LLC
P.O. Box 5493
Denver, Colorado 80217

RE: PHASE III GROUND WATER INVESTIGATION
HOBBS BOOSTER STATION, GW-044

Dear Mr. Weathers:

The New Mexico Oil Conservation Division (OCD) has reviewed Duke Energy Field Services's (DEFS) September 28, 2000 letter work plan from your consultant, TRW Systems & Information Technology Group (TRW), for the Phase III ground water investigation at the Hobbs Booster Station, GW-044. The work plan specified the procedures DEFS would follow during the investigation, the soil sampling, analytical laboratory analyses and the reporting. The above referenced work plan **is herewith approved with the following conditions:**

1. All soil and ground water samples shall be sampled and analyzed using EPA approved methods and quality assurance/quality control (QA/QC) procedures.

2. All wastes generated during the investigation activities shall be disposed properly.

3. One copy of a report of the results of all activities relating to the work plan shall be furnished to the OCD Santa Fe office and one copy to the OCD Hobbs District office within 30 days from completion of the work plan.

4. Ms. Donna Williams, OCD Hobbs District Office shall be notified 72 hours prior to commencement of Phase III investigation activities.

Please be advised that OCD approval does not relieve DEFS of liability should the work plan fail to adequately delineate the limits of soil and/or ground water contamination related to DEFS activities, or if contamination exists which is outside the scope of the work plan. In addition, OCD approval does not relieve DEFSof responsibility for compliance with any other federal, state or local laws and regulations.

If you have any questions, please call me at (505) 827-7156.

Sincerely,

W. Jack Ford, C.P.G.
OCD Environmental Bureau

xc: OCD Hobbs District Office

Duke Energy Field Services, LLC

P.O. Box 5493
Denver, Colorado 80217
370 17th Street, Suite 900
Denver, Colorado 80202
Direct: 303-595-3331
Fax: 303-893-8902

October 2, 2000

Mr. Jack Ford, C.P.G.
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division – Environmental Bureau
2040 South Pacheco Street
Santa Fe, New Mexico 87505

RE: Phase III Groundwater Investigation Workplan for the Hobbs Booster Station, Lea County New Mexico

Dear Mr. Ford:

Duke Energy Field Services, LLC (DEFS) is pleased to submit for your review, one copy of the Phase III Groundwater Investigation Workplan for the Hobbs Booster Station located near Hobbs, New Mexico.

The purpose of the groundwater investigation is to further delineate the extent of hydrocarbon impacted groundwater (dissolved and free phase) that was encountered at the site in earlier investigations.

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

Sincerely
Duke Energy Field Services, LLC

Stephen Weathers
Environmental Specialist

Enclosure

cc: Donna Williams, OCD Hobbs District
Environmental Files

TRW Systems & Information Technology Group 415 West Wall Street, Suite 1818
Midland, TX 79701

TRW/MID-GJV-LTR23-00

September 28, 2000

Mr. Steve Weathers
Duke Energy Field Services Inc.
P. O. Box 5493
Denver, Colorado 80217

Re: Work Plan for Phase III Groundwater Investigation at Hobbs Booster Station
Hobbs, New Mexico

Dear Mr. Weathers:

TRW Inc. appreciates the opportunity to present this work plan to perform a Phase III groundwater investigation at the Hobbs Booster Station in Hobbs, New Mexico. This work plan is based on the results, conclusions, and recommendations as presented in the "*Groundwater Investigation, Hobbs Booster Station, Lea County, New Mexico*" report by TRW dated July 12, 2000. The conclusions of the groundwater investigation at the Hobbs Booster Station are summarized as follows:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations in monitoring wells MW-5, MW-6, and MW-7 remain well below New Mexico Water Quality Control Commission (WQCC) standards.

- Benzene levels in monitoring well MW-1 (0.191 mg/L), MW-2 (1.33 mg/L), MW-3 (0.202 mg/L), MW-8 (0.824 mg/L), and MW-9 (0.702 mg/L) are above the WQCC standard of 0.010 mg/L.

- The toluene concentration in MW-2 (1.22 mg/L) exceeds the WQCC standard of 0.75 mg/L.

- The xylene concentration in MW-8 (0.742 mg/L) exceeds the WQCC standard of 0.62 mg/L.

- Light non-aqueous phase liquids (LNAPL) thickness measurements for monitoring wells MW-4, MW10, and MW-11 were 2.68 ft., 0.01 ft., and 1.18 ft., respectively.

- As of May 31, 2000, a total of approximately 2.5 gallons of LNAPL (condensate) have been removed from recovery well RW-1 using the Xitech product recovery system, which was installed on May 10, 2000.

This work plan covers the following proposed tasks:

Task 1: Oversight and Installation of 5 Monitoring Wells

- Four 2-inch diameter monitoring wells (55 feet depth) will be installed on site to delineate the downgradient and cross gradient extent hydrocarbon- impacted groundwater. A diagram of the proposed monitoring well construction details and a site map with the proposed well locations are included in Attachment A.

- One 4-inch diameter monitoring well (60 feet depth) will be installed approximately midway between existing monitoring wells MW-4 and MW-11 to delineate the LNAPL layer present in MW-4 and MW-11. A diagram of the proposed monitoring well construction detail is provided in Attachment B. The monitoring well will have the capability to be equipped with the Xitech free product recovery system currently installed in RW-1 if needed.

- A lithologic description and well completion diagram of the subsurface soils encountered, conditions observed, and construction details of each monitoring well will be prepared.

- Depth to groundwater in each monitoring well will be measured with an electronic water meter

- A minimum of the three well volumes of water will be purged from each on-site monitoring well and groundwater samples will be collected after well construction has been completed.

- An approved laboratory will analyze samples for benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations from each monitoring well using EPA Methods 8021B.

- A computer aided drafting map of the site will be prepared to depict the groundwater gradient and analytical results.

- Passive bailers will be installed in monitoring wells MW-4 and MW-11 and hydrocarbon absorbent socks will be installed in MW-8 and MW-10 to recover LNAPL. The socks and bailers will be serviced monthly along with the Xitech product recovery system.

Task 2: Prepare Phase III Groundwater Investigation Report

- A letter report will be prepared describing the monitoring well construction, groundwater sampling activities, analytical results, product system recovery performance, and conclusions of the investigation.

Task 3: Quarterly Sampling and Annual Reporting

- The year 2000 quarterly sampling and monitoring program will be continued and will include the 5 new monitoring wells. The quarterly sampling program includes analysis of groundwater samples for determination of BTEX and groundwater elevations for each on site monitoring well, as well as, documenting the progress and performance of the soil and groundwater corrective actions implemented. The annual report will be prepared and submitted to the New Mexico Oil Conservation Division (OCD) by March 1, 2001.

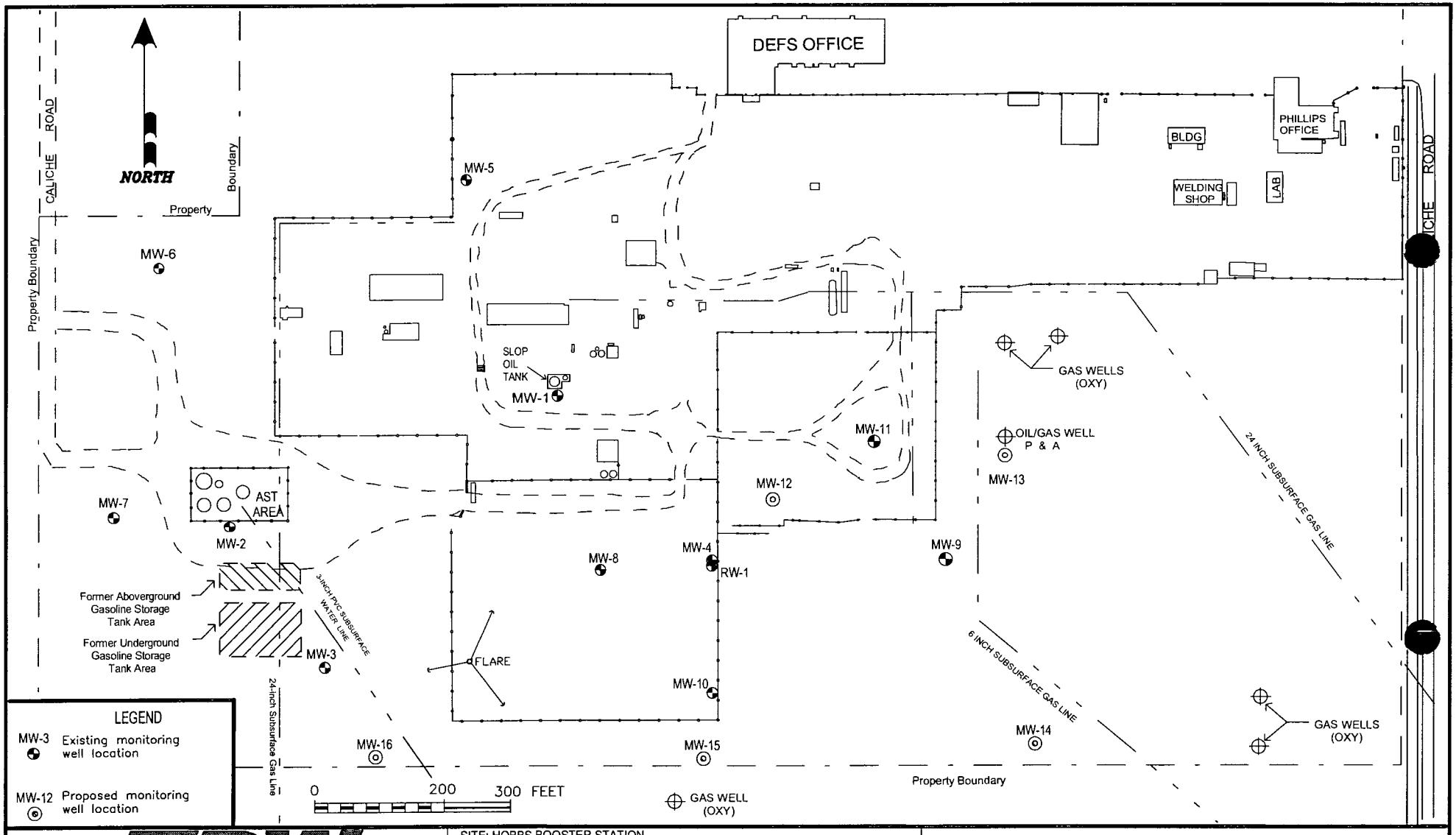
Since the purpose of installing the proposed monitoring wells is to delineate the horizontal extent of hydrocarbon impact to groundwater, it may be necessary to install additional wells beyond the proposed locations during the course of work if hydrocarbon concentrations in these wells are above WQCC standards. Concurrence with the OCD will be made prior to the installation of any monitoring wells in addition to those proposed herein, however these additional wells will be installed during this phase of work to minimize drilling rig mobilization costs. TRW is prepared to proceed with the above scope of work upon your authorization and after approval of the work plan by the OCD. Thanks again for the opportunity to work with you on this project. Please feel free to call me if you have any other questions.

Sincerely,

Gilbert J. Van Deventer, REM
Project Manager

Attachments

D:\DEFS\PHASE3WRKPLNOCD.DOC



SITE: HOBBS BOOSTER STATION	
DATE: 09/28/2000	REV. NO.: 2
AUTHOR: GJV	DRN BY: GJV
CK'D BY: DTL	SCALE: 1 INCH ≅ 215 FEET

FIGURE 5
PROPOSED MONITORING WELL LOCATIONS

Duke Energy Field Services, LLC

P.O. Box 5493
Denver, Colorado 80217
370 17th Street, Suite 900
Denver, Colorado 80202
Direct: 303-595-3331
Fax: 303-893-8902

AUG - 4 2000

August 2, 2000

Mr. Jack Ford, C.P.G.
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division – Environmental Bureau
2040 South Pacheco Street
Santa Fe, New Mexico 87505

RE: Groundwater Investigation Report for the Hobbs Booster Station, Lea County New Mexico

Dear Mr. Ford:

Duke Energy Field Services, LLC (DEFS) is pleased to submit for your review, one copy of the Groundwater Investigation Report for the groundwater investigation that was completed at the Hobbs Booster Station located near Hobbs, New Mexico.

The purpose of the investigation was to further delineate the extent of hydrocarbon impacted groundwater (dissolved and free phase) that was encountered at the site in an earlier investigation.

If you have any questions regarding the Groundwater Investigation Report, please call me at 303-605-1718.

Sincerely
Duke Energy Field Services, LLC

Stephen Weathers
Environmental Specialist

Enclosure

cc: Donna Williams, OCD Hobbs District
Environmental Files

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

February 23, 2000

CERTIFIED MAIL
RETURN RECEIPT NO. Z-142-564-947

Mr. Mel Driver
GPM Gas Company, LLC
P.O. Box 50020
Midland, Texas 79710-0020

RE: GROUND WATER INVESTIGATION
HOBBS BOOSTER STATION GW-044

Dear Mr. Driver:

The New Mexico Oil Conservation Division (OCD) has reviewed GPM Gas Company's (GPM) January 5, 2000 "WORK PLAN AND PROPOSAL FOR GROUND WATER INVESTIGATION, HOBBS BOOSTER STATION, Hobbs, New Mexico" and the previous "SUBSURFACE SOIL AND GROUND WATER INVESTIGATION HOBBS BOOSTER STATION, LEA COUNTY, NEW MEXICO" report dated July 28, 1999. These documents, which were submitted on behalf of GPM by their consultant TRW Systems & Information Technology Group, contain the results of GPM's investigation of soil and ground water contamination that related to observed hydrocarbon contamination during an inspection by the OCD. The documents also contain a work plan for installation of a new monitor wells at the facility, ground water quality monitoring and removal of free phase product/crude on the ground water.

The above referenced work plan **is approved with the following conditions**:

1. GPM shall install one monitor well in addition to the proposed wells shown in the work plan. The additional monitor well will be located down-gradient (east) of MW-1 and north of proposed MW-9 to evaluate the condition of ground water down-gradient to elevated levels of BETX in MW-1

2. GPM shall complete the new monitor wells as follows:

   a. At least 15 feet of well screen shall be placed across the water table interface with 5 feet of the well screen above the water table and 10 feet of the well screen below the water table.

b. An appropriately sized gravel pack shall be set in the annulus around the well screen from the bottom of the hole to 2-3 feet above the top of the well screen.

c. A 2-3 foot bentonite plug shall be placed in the annulus above the gravel pack.

d. The remainder of the annulus shall be grouted to the surface with cement containing 3-5% bentonite.

e. A concrete pad and locking well cover shall be placed at the surface.

f. The well shall be developed after construction using EPA approved procedures.

3. GPM shall wait a minimum of 24 hours after the new monitor well has been developed to purge and sample ground water from the monitor well.

4. All soil and ground water samples shall be sampled and analyzed using EPA approved methods and quality assurance/quality control (QA/QC) procedures.

5. Quarterly ground water sampling shall continue until the site receives approval for final closure of the soil and ground water remedial actions.

6. All wastes generated during the investigation and remediation activities shall be disposed of at an OCD approved facility.

7. GPM shall submit an annual report that contains the results of all investigation, remediation and monitoring activities. The report shall be submitted to the OCD Santa Fe Office by April 1 of each year with a copy provided to the OCD Hobbs District Office and shall include the following information:

a. A description of all investigation, remediation and monitoring activities which occurred during the past year including conclusions and recommendations.

b. A geologic/lithologic log and well completion diagram for each new monitor well, vapor venting well and soil boring.

c. A quarterly water table potentiometric map showing the location of the pit and any spills, excavated areas, monitor wells, soil borings, vapor venting wells and any other pertinent site features as well as the direction and magnitude of the hydraulic gradient.

d. Quarterly isopleth maps for contaminants of concern that were observed during the investigations.

e. Summary tables of all new soil sampling results obtained during the investigation and copies of all laboratory analytical data sheets and associated QA/QC data.

g. Summary tables of all ground water sampling results obtained over time since initiation of ground water sampling and copies of all laboratory analytical data sheets and associated QA/QC data.

g. The disposition of all wastes generated.

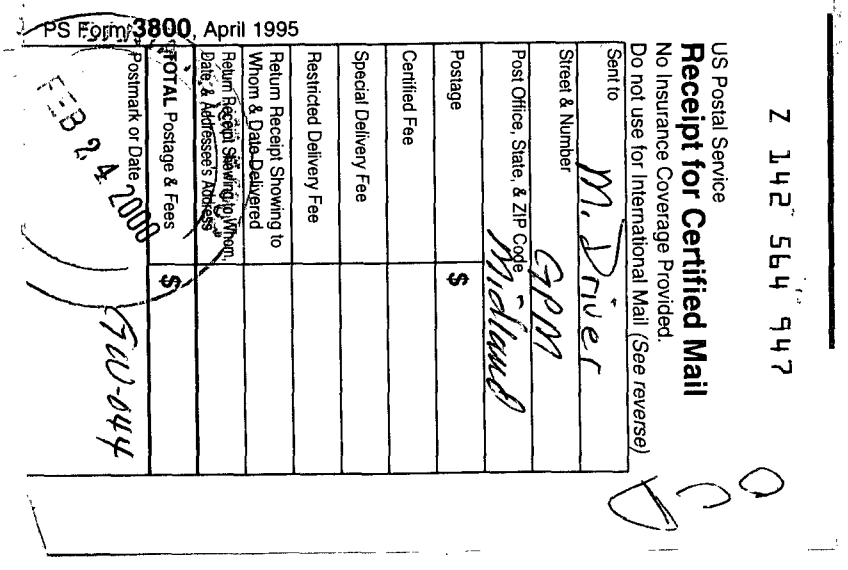
Please be advised that OCD approval does not relieve GPM of liability should the work plan fail to adequately delineate the limits of ground water contamination related to GPM's activities, or if contamination exists which is outside the scope of the work plan. In addition, OCD approval does not relieve GPM of responsibility for compliance with any other federal, state or local laws and regulations.

If you have any questions, please call me at (505) 827-7156.

Sincerely,

W. Jack Ford, C.P.G.
OCD Environmental Bureau

xc: OCD Hobbs District Office
Gilbert J. Van Deventer, REM, TRW Systems & Information Technology Group



GPM GAS CORPORATION

3300 N "A" ST. BLDG 7
MIDLAND, TX 79705-5421

P.O. BOX 50020
MIDLAND, TX 79710-0020

January 5, 2000

Mr. Jack Ford
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
Environmental Bureau
2040 S. Pacheco
Santa Fe, New Mexico 87505

Dear Mr. Ford:

Please find enclosed a work plan for additional groundwater investigation and remediation activities at the GPM Hobbs Booster Station located in Hobbs, New Mexico. TRW prepared the work plan on behalf of GPM. The work plan is based on the results, conclusions, and recommendations as presented in the "*Subsurface Soil and Groundwater Investigation, Hobbs Booster Station, Lea County, New Mexico*" report by TRW on July 28, 1999.

GPM is prepared to proceed with the proposed work plan upon approval from the New Mexico Oil Conservatin Division (OCD). The OCD will be notified at least one week in advance of any scheduled activity at the site. If you have any questions or concerns with our work plan, please advise. I can be reached at (915) 620-4142.

Sincerely,

Mel P. Driver

Mel Driver, P. E.
Environmental Engineer
New Mexico Region

Attachments

xc: Donna Williams, OCD-Hobbs District
Tony Canfield, GPM-Eunice Plant
Gilbert Van Deventer, TRW-Midland

TRW Systems & Information Technology Group 415 West Wall Street, Suite 1818
Midland, TX 79701

TRW/MID-GJV-PRO46-99

January 4, 2000

Mr. Mel Driver
GPM Gas Corporation
New Mexico Region
P. O. Box 50020
Midland, Texas 79710-0020

Re: Work Plan and Proposal for Groundwater Investigation at Hobbs Booster Station
Hobbs, New Mexico

Dear Mr. Driver:

TRW Inc. appreciates the opportunity to present this work plan and proposal to perform additional groundwater investigation and remediation activities at the Hobbs Booster Station in Hobbs, New Mexico. This work plan is based on the results, conclusions, and recommendations as presented in the "*Subsurface Soil and Groundwater Investigation, Hobbs Booster Station, Lea County, New Mexico*" report by TRW on July 28, 1999. The conclusions of the subsurface groundwater investigation at the Hobbs Booster Station are summarized as follows:

- The WQCC standard of 0.010 mg/L for benzene in groundwater was exceeded in MW-1, MW-2, and MW-3.
- The WQCC standard of 0.75 mg/L for toluene in groundwater was exceeded in MW-2.
- Approximately 3.26 feet of LNAPL (condensate) was observed in monitoring well MW-4.

The costs outlined in this work plan cover the following proposed tasks:

Task 1

- Four 2-inch diameter monitoring wells (55 feet depth) will be installed to delineate the upgradient and downgradient extent hydrocarbon- impacted groundwater. A diagram of the proposed monitoring well construction details and a site map with the proposed well locations is included in Attachment A.
- A lithologic description and well completion diagram of the subsurface soils encountered, conditions observed, and construction details of each monitoring well will be prepared.
- Depth to groundwater in each monitoring well will be measured with an electronic water meter
- A minimum of the three saturated well volumes of water will be purged from each on-site monitoring well and groundwater samples will be collected after well construction has been completed.

- An approved laboratory using EPA Methods 8021B will analyze benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations from each monitoring well.

- A computer aided drafting map of the site will be prepared to depict the groundwater gradient and analytical results.

Task 2

- One 4-inch diameter recovery well (60 feet depth) will be installed to recovery free product from groundwater adjacent to existing monitoring well MW-4. A diagram of the proposed recovery well construction detail is provided in Attachment B.

- The recovery well will be equipped with a free product recovery system comparable to the Xitech product recovery systems currently being utilized at other GPM sites. A copy of the Xitech product recovery system specifications is included in Attachment B.

Task 3

- A letter report will be prepared describing the monitoring well construction, groundwater sampling activities, analytical results, product system recovery performance, and conclusions of the investigation.

Task 4

- A quarterly sampling and monitoring program will be initiated at the start of the proposed investigation. The quarterly sampling program will include BTEX analysis of groundwater and groundwater elevations for each on site monitoring well as well as document the progress and performance of the soil and groundwater corrective actions implemented. An annual report will be prepared and submitted to the OCD in the same format as provided for the GPM Lee Plant.

Compensation

TRW estimates the following costs for performing the tasks outlined above at the Hobbs Booster Station:

Task Number and Description	
Task 1: Oversight of Installation of 4 Monitoring Wells and 1 Recovery Well	$4,173
Task 2: Installation of Product Recovery System	$3,350
Task 3. Prepare Groundwater Investigation Report	$3,770
Task 4. Oversee Surface Soil Bioremediation	$10,059
Task 4. Quarterly Sampling and Annual Reporting	$13,508
Total TRW Costs (Tasks 1 through 4)	**$24,801**
Drilling Contractor* (Install four monitoring wells and one recovery well)	$7,630
Laboratory Analyses* (BTEX analyses for nine monitoring wells - 4 quarters)	$3,020
Surveying* (Survey plat with elevations of additional wells)	$625
Estimated Total Project Cost	**$36,076**

* Estimated contractor costs to be billed directly to GPM

TRW is prepared to proceed with on a time and materials basis for the amount summarized above. This estimate of TRW costs does not include applicable state taxes (New Mexico Gross Receipts Tax). Rates are based on the attached 1999 Fee Schedule. The additional contractor (lab, driller, and surveyor) costs estimated above are to be billed directly to GPM by each respective vendor. TRW will arrange for the services of these vendors to be performed and GPM has the right to specify alternate vendors if requested. Trace Analysis Inc. (Lubbock, Texas) will perform laboratory analysis. Drilling will be conducted by Diversified Water Wells (Abilene, Texas) or Harrison Drilling (Hobbs, NM) depending on lowest bid received. Surveying will be performed by John West Engineering (Hobbs, NM). If you find the services described in this proposal acceptable, you may authorize TRW to proceed by signing the attached notice to proceed forms and returning one original to TRW. Thanks again for the opportunity to work with you on this project. Please feel free to call me if you have any other questions.

Sincerely,

Gilbert J. Van Deventer, REM
Project Manager

Attachments

cc: Connie Feery – TRW, Albuquerque, NM

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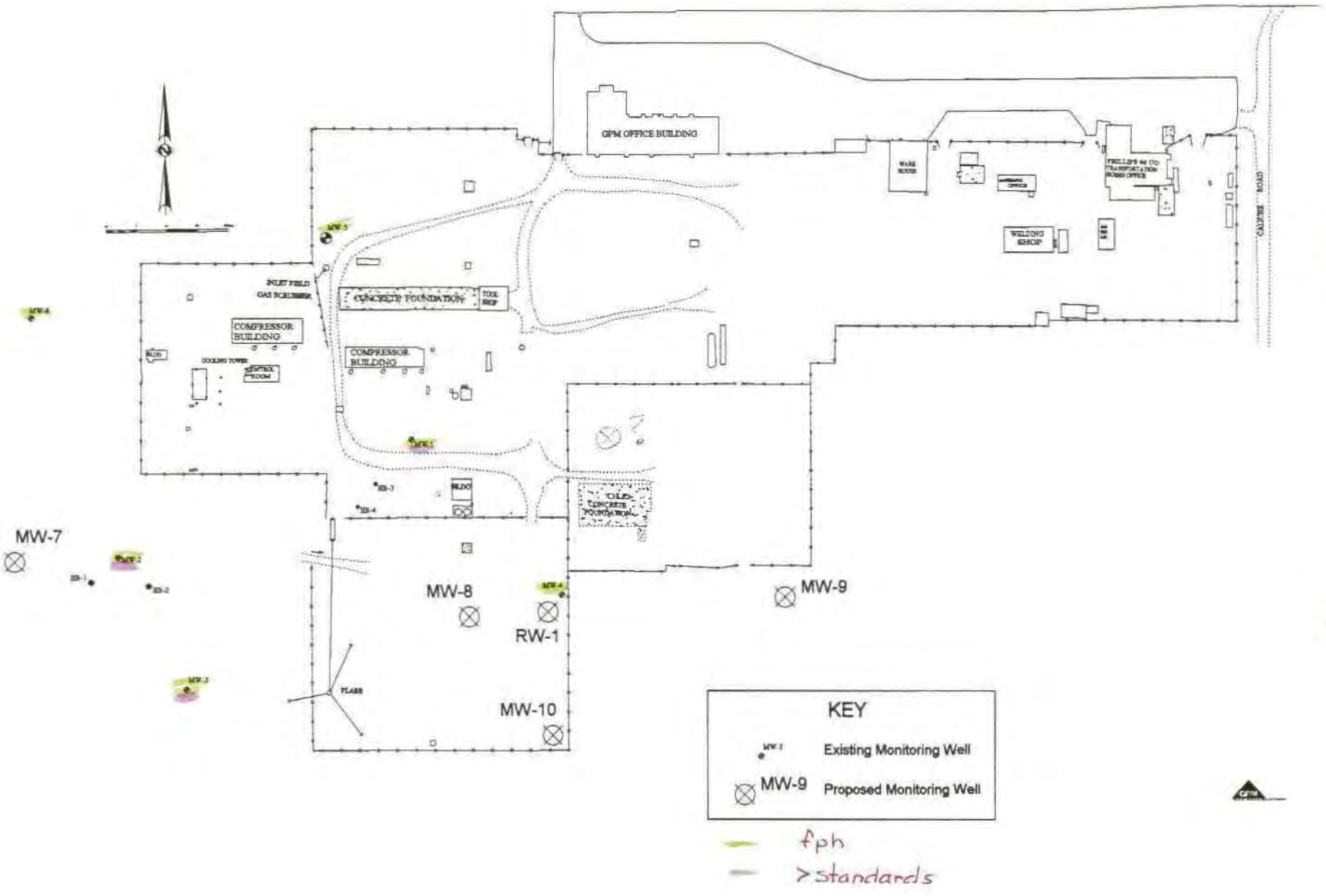
ATTACHMENT A

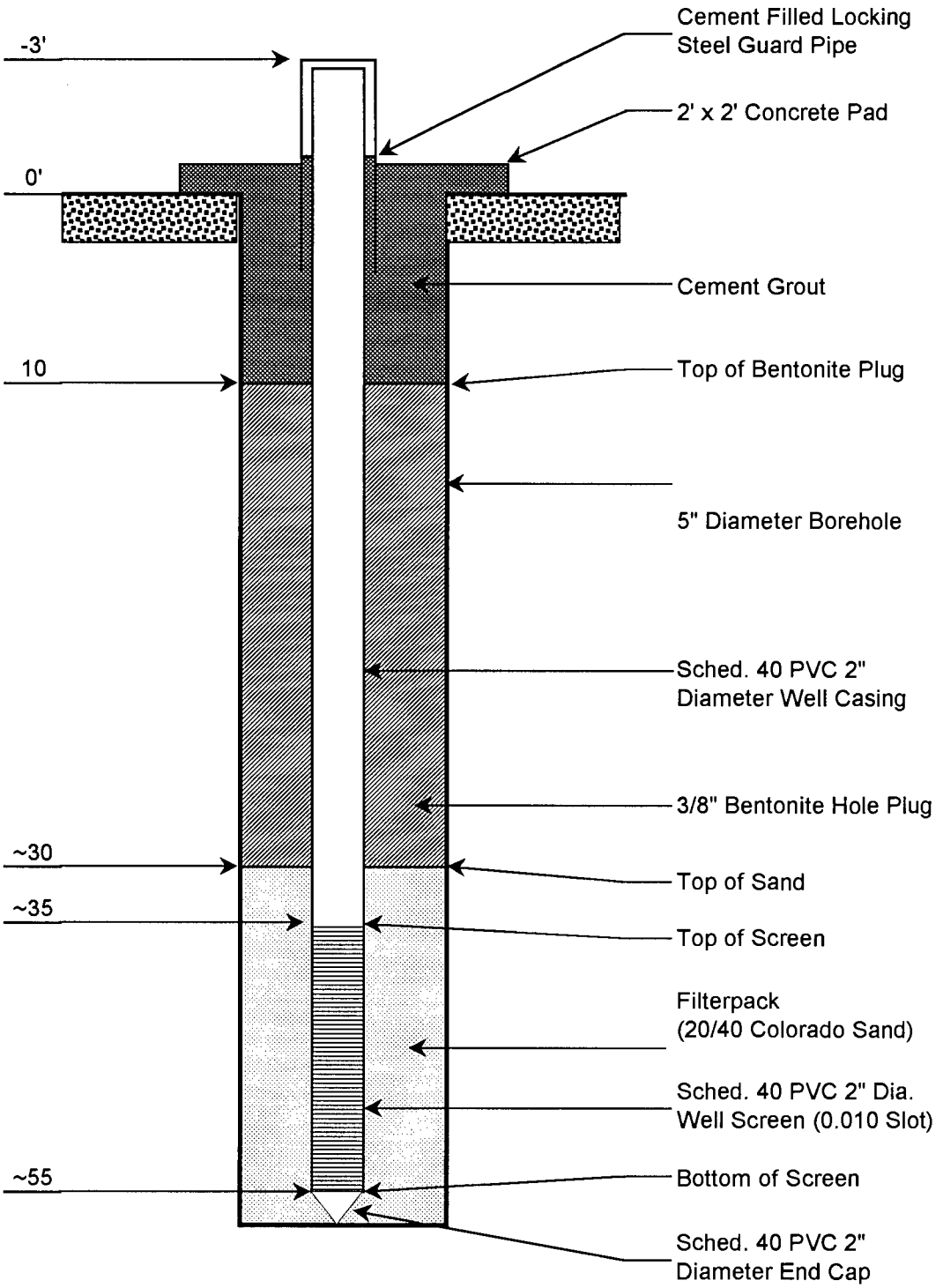
SITE PLAN WITH PROPOSED WELL LOCATIONS

AND

MONITORING WELL CONSTRUCTION DIAGRAM


GPM OFFICE BUILDING
WARE HOUSE
WELDING SHOP
CALIPINE ROAD
MW-5
INLET FIELD GAS SCRUBBER
CONCRETE FOUNDATION
TOOL SHOP
MW-6
COMPRESSOR BUILDING
COOLING TOWER
CONTROL ROOM
COMPRESSOR BUILDING
MW-1
SD-3
SD-4
BLDG
OLD CONCRETE FOUNDATION
MW-7
MW-2
SD-1
SD-2
MW-8
MW-4
RW-1
MW-9
MW-3
FLARE
MW-10
KEY
Existing Monitoring Well
MW-9
Proposed Monitoring Well
fph
>standards

MONITORING WELL CONSTRUCTION DIAGRAM



TRW Energy & Environmental Systems	SITE: GPM - Hobbs Booster Station		**Monitoring Well Construction Diagram**
	DATE: 12/01/99	REV. NO.: 1	
	AUTHOR: GJV	DRAWN BY: GJV	
	CK'D BY: DTL	FILE: Well Bore Diagram	

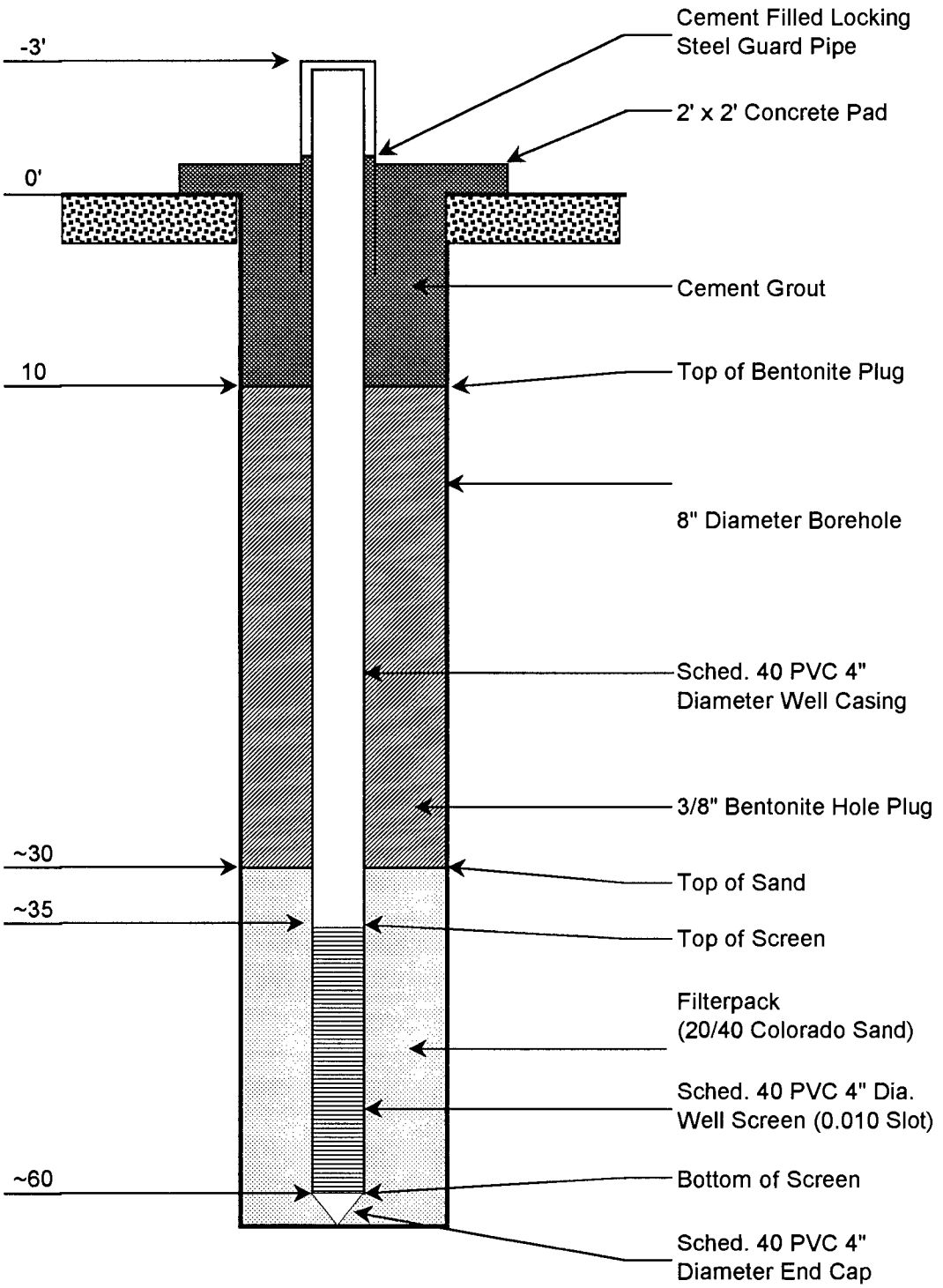
ATTACHMENT B

RECOVERY WELL CONSTRUCTION DIAGRAM

AND

PRODUCT RECOVERY SYSTEM SPECIFICATIONS

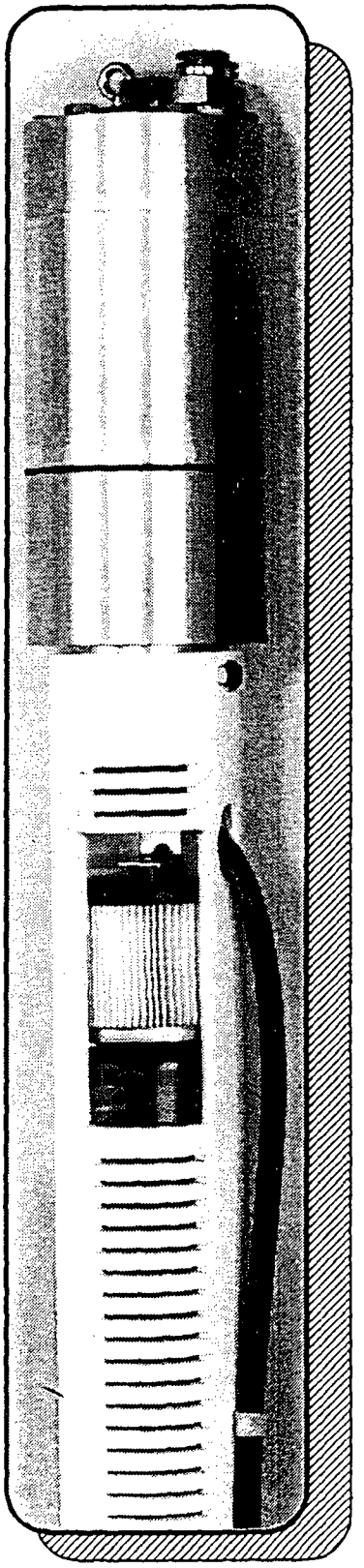
RECOVERY WELL CONSTRUCTION DIAGRAM



TRW Energy & Environmental Systems	SITE: GPM - Hobbs Booster Station		**Recovery Well Construction Diagram**
	DATE: 12/01/99	REV. NO.: 1	
	AUTHOR: GJV	DRAWN BY: GJV	
	CK'D BY: DTL	FILE: Well Bore Diagram	

4" LNAPL Recovery Skimmer

The ADJ1000 Skimmer removes product ONLY down to a sheen, operates on bottled gas, is intrinsically safe, and can be installed in less than 1 hour. The ADJ1000 requires no above ground controls to operate, Requires a 4" well diameter, has 30 inches of float travel, uses a dual entry hydrophobic filter, pumps over 25 GPH, and consumes less than .5 CFM of air. The Optional Xitech Programmable Site Managers provide intermittent pumping control for the ADJ1000 Skimmer, continuous electronic monitoring of the high level tank shutoff sensor, displays total run time of system, and operate on a 12DC/120AC/220AC power sources.



Specifications

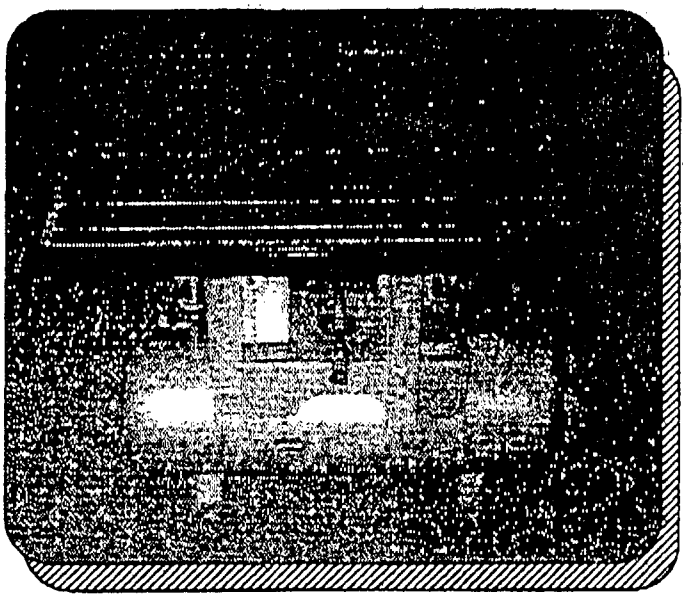
Pumping range from 5-25 GPH
Skimmer float travel: 30 inches
Operating pressure range: 35-125 PSIG
Maximum operating well depth: 200 feet
Max air requirements: .5 CFM@125 PSIG
Air quality requirements: 5-10 Microns
Size: 3-1/2" DIA. X 48" L
Weight: 11 LBS
Materials : PVC, SST, Viton, Buna, Al
Order No. **ADJ1000**

U.S. Patent# 5,326,458

XITECH Instruments, Inc.

Solar Powered Air Compressor

The Xitech Solar Powered Air Compressor can operate without the use of AC power and comes fully assembled ready to go. Features include a powerful UL approved 40 watt solar panel, automatic voltage regulation to prevent over charging or draining of the battery, low maintenance long lasting Thomas compressor pump with inlet filter, very strong aluminum channel supports that attach the solar panel to the top of the air receiver tank, automatic pressure range switch with built-in pump unloader valve, tank pressure gauge and output regulator with gauge, in-line high capacity compact indicating air dryer, ASME 10 or 20 gallon receiver air tank sealed lead acid battery, and quick tubing connector that swivels.

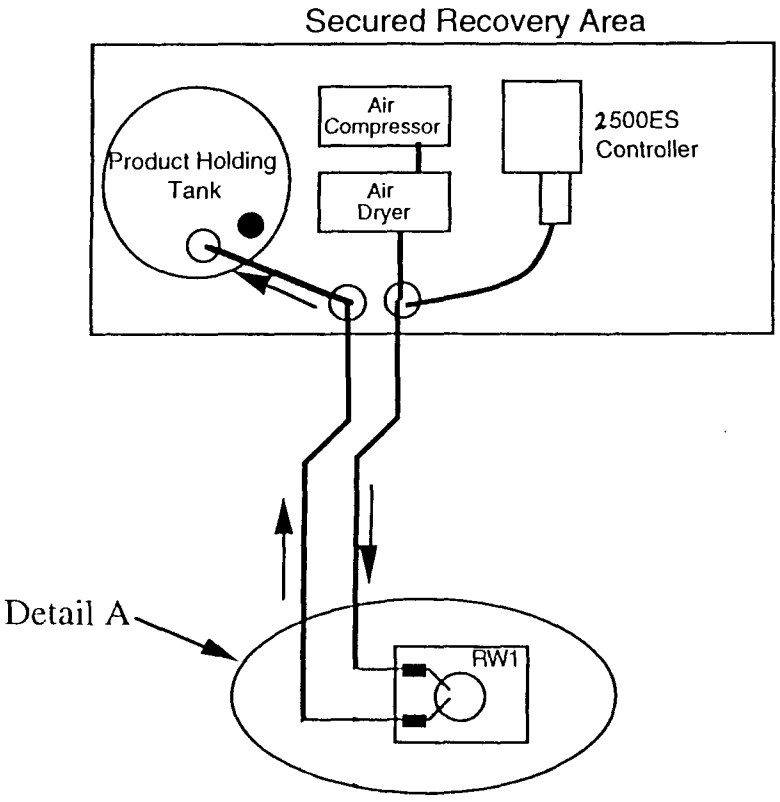


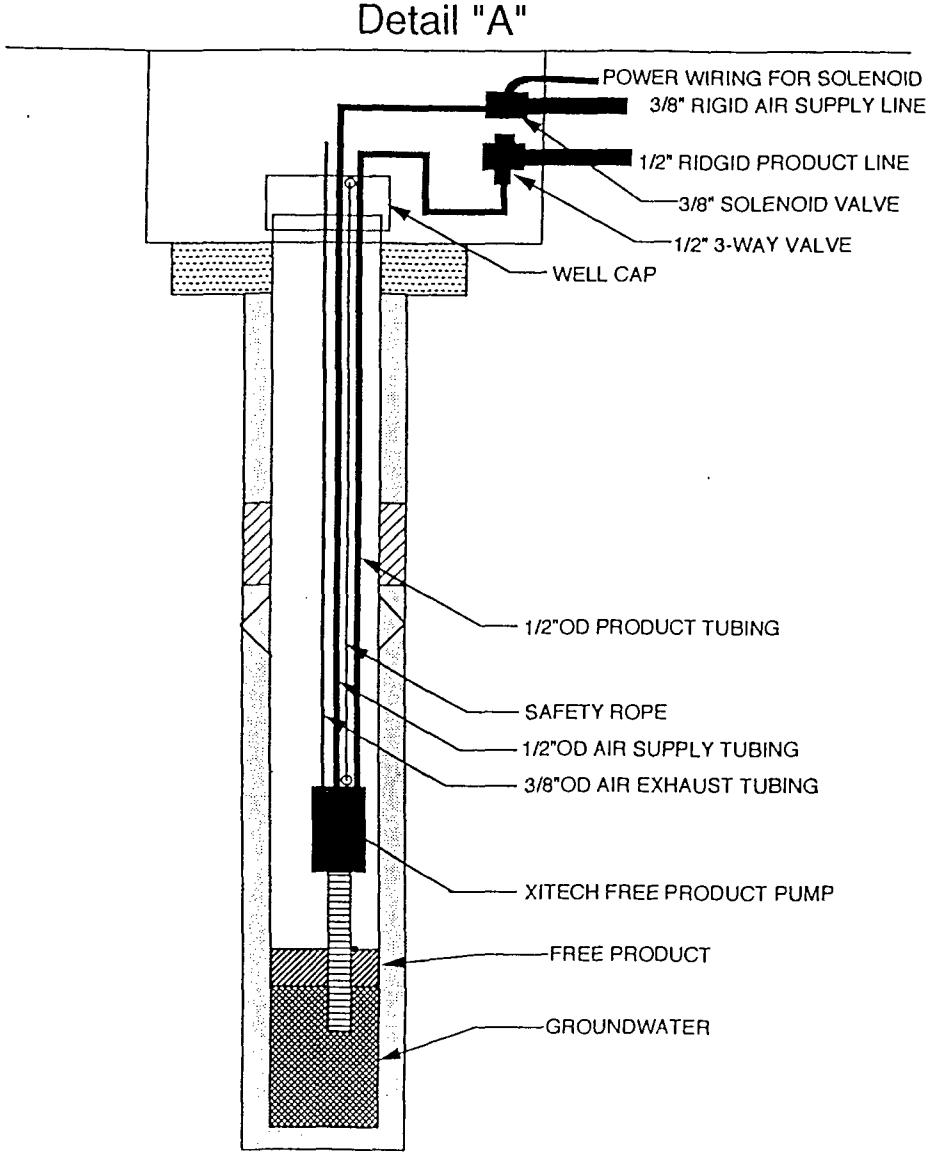
Model 510 Air Compressor
Air compressor capacity: .66 CFM @ 80 psi
Tank capacity: 10 gallons, ASME rated to 300psi
Solar Panel capacity: 40 watts @ 12 volts peak load
Automatic charging regulation
In-line high capacity indicating air dryer
1/2" OD tubing outlet connection
14amp-hr sealed lead acid battery
Weight: 80 LBS
Size: 10"WX30"LX24"H
Order No. 510

Model 520 Air Compressor
Air compressor capacity: .66 CFM @ 80 psi
Tank capacity: 20 gallons, ASME rated to 300psi
Solar Panel capacity: 40 watts @ 12 volts peak load
Automatic charging regulation
In-line high capacity indicating air dryer
1/2" OD tubing outlet connection
22amp-hr sealed lead acid battery
Weight: 90 LBS
Size: 14"WX33"LX24"H
Order No. 510

Xitech Instruments, Inc.
06 Camino De Los Desmontes, Placitas, New Mexico 87043
Phone: 505-867-0008 Fax: 505-867-0212
Web site: xitechinc.com E-mail: xitechinc@xitechinc.com

Xitech Free Product Recovery Well Design





ATTACHMENT C

QUARTERLY SAMPLING OPERATION PROCEDURES

The GPM Hobbs Booster Station is located at 1625 West Marland in Hobbs, New Mexico. A release of condensate product from past gas processing operations was reported at the site during the soil and groundwater investigation conducted in June 1999. A hydrogeological investigation was performed at the site and included the installation of six groundwater monitoring wells. The following conclusions with respect to dissolved hydrocarbons in groundwater at the site were documented in the "*Subsurface Soil and Groundwater Investigation, Hobbs Booster Station, Lea County, New Mexico*" report by the Energy & Environmental Systems group of TRW Inc. (TRW), on July 28, 1999:

- The WQCC standard of 0.010 mg/L for benzene in groundwater was exceeded in MW-1, MW-2, and MW-3.
- The WQCC standard of 0.75 mg/L for toluene in groundwater was exceeded in MW-2.
- Approximately 3.26 feet of LNAPL (condensate) was observed in monitoring well MW-4, therefore this well was not sampled.
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) concentrations in monitoring wells MW-5 and MW-6 were below the laboratory detection limit of 0.005 mg/L and below WQCC standards.

TRW with New Mexico Oil Conservation Division (OCD) concurrence will perform comprehensive groundwater monitoring events at the site on a quarterly basis during the 2000 calendar year. TRW will sample the existing six on-site wells and any additionally installed wells for BTEX.

TRW will follow standard operating procedures for groundwater sample collection. A minimum of three well-casing volumes of water will be purged prior to collecting samples using a clean polyethylene bailer. The bailer will be decontaminated between wells using a dilute ALCONOX/water solution. Field parameters (pH, temperature, electrical conductivity, and dissolved oxygen) will be measured during purging. Groundwater samples will be collected from each well after parameters have stabilized. Groundwater samples will be collected using disposable polyethylene bailers and poured into laboratory-supplied sample containers. EPA-approved protocol will be followed for all sample collection and shipping activities.

Groundwater samples will be analyzed for BTEX using EPA Method 8021B. In addition to the groundwater samples collected from the monitoring wells, two quality assurance/quality control (QA/QC) samples will also be collected each quarter. QA/QC samples to be collected will include one equipment blank sample and one duplicate sample.

ATTACHMENT C (Continued)

QUARTERLY SAMPLING OPERATION PROCEDURES

The annual report will be submitted to the OCD within 30 days after receipt of the fourth quarter analytical results from the laboratory. The fourth quarter sampling event is tentatively scheduled for October 2000. The annual report will include the following:

1. A description of all activities which occurred during the past calendar year, including conclusions and recommendations.

2. A summary of the quarterly laboratory analytical results of water quality sampling of the monitoring wells as well as copies of the laboratory analytical reports and associated QA/QC data. The results for each monitoring well will be presented in tabular form and will show all past and present sampling results.

3. Plots of concentration versus time for relevant analytes (benzene, etc.).

4. A quarterly water table elevation map using the water table elevation of the groundwater in all monitoring wells. Free phase product thickness, if present, will be noted on the map.

5. Plots of water table elevation versus time for each monitoring point.

6. A summary of free phase product recovery results will be presented in tabular form and will show all past and present recovery results.

The OCD will be notified at least one week in advance of all scheduled activities. Original documents submitted for approval will be submitted to the OCD Santa Fe Office with copies provided to the OCD Hobbs District Office.

GPM GAS CORPORATION

3300 N "A" ST. BLDG 7
MIDLAND, TX 79705-5421

MAILING ADDRESS
P.O. BOX 50020
MIDLAND, TX 79710-0020

February 16, 2000

Mr. Roger Anderson
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Subject: Notification of Name Change to **GPM Gas Company, LLC**

Dear Mr. Anderson:

This letter is to notify you that on February 1, 2000, GPM Gas Corporation underwent a **name change**. The name of the company is now **GPM Gas Company, LLC**. This name change relates to a change in corporate status which occurred in anticipation of the expected merger between GPM and a unit of Duke Energy. GPM and Duke currently expect that, if all necessary regulatory approvals are obtained, the merger should be completed in April of this year.

Submitted with this letter is a listing of all environmental permits that are affected by this name change. Please take the actions necessary to reflect this name change on your records.

As a matter of general information, we wanted also to advise you of the possibility of a further name change in the coming months. In connection with the expected merger, it is possible that a further change in name or in corporate status could take place. We will advise you of any future changes that occur.

We appreciate your assistance in this matter.

GPM Gas Company, LLC

Mel P. Driver

Mel P. Driver
Environmental Engineer
New Mexico Region

Attachment

Facility Name	Permit Number	Expiration Date	Issued by	Held by	Nearest City
Artesia Plant	GW-168	7/1/00	NMED OCD	GPM Gas Corporation	Artesia
Avalon Plant	GW-024	9/1/00	NMED OCD	GPM Gas Corporation	Carlsbad
Eunice Plant	GW-009	4/1/04	NMED OCD	GPM Gas Corporation	Eunice
Feagen	GW-168	12/1/99	NMED OCD	GPM Gas Corporation	Artesia
Hat Mesa	GW-128	11/1/02	NMED OCD	GPM Gas Corporation	Hobbs
Hobbs	GW-044	12/1/02	NMED OCD	GPM Gas Corporation	Hobbs
Indian Hills	GW-042	4/1/02	NMED OCD	GPM Gas Corporation	Carlsbad
Lee Plant	GW-002	3/1/01	NMED OCD	GPM Gas Corporation	Lovington
Linam Ranch Plant	GW-015	4/1/04	NMED OCD	GPM Gas Corporation	Hobbs
Maljamar	GW-177	3/1/00	NMED OCD	GPM Gas Corporation	Lovington
Sand Dunes	GW-142	5/1/03	NMED OCD	GPM Gas Corporation	Loving
Won Ton	GW-178	3/1/00	NMED OCD	GPM Gas Corporation	Lovington
Zia Plant	GW-145	7/1/03	NMED OCD	GPM Gas Corporation	Maljamar

February 5, 1998

GPM GAS CORPORATION
4044 PENBROOK
ODESSA, TX 79762

Hobbs Booster Compressor Station
Discharge Plan GW-044
Discharge Plan Renewal

Mr. Roger Anderson
State of New Mexico
Energy, Minerals & Natural Resources Department
Oil Conservation Division, Environmental Bureau
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Dear Mr. Anderson:

Pursuant to Title 20 New Mexico Administrative Code (NMAC) 6.2, Subpart III, Section 3106, Application for Discharge Plan Approvals and Renewals, GPM Gas Services Company (GPM) is herewith submitting the required flat fee of six-hundred and ninety ($690) dollars for Compressor Stations above 3,000 horsepower.

GPM has operated the Hobbs Booster Compressor station in accordance with the terms and conditions of Groundwater Discharge Plan GW-044. GPM has made no major changes to Hobbs Booster Compressor Station since the original discharge plan went into effect and would like to renew the discharge plan under the present terms of the existing permit.

Please do not hesitate to contact me at (915) 368-1142 should you have any questions or require additional information.

Sincerely,

Mel P. Driver

Mel P. Driver, P.E.
Environmental Engineer
New Mexico Region

GW-044