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**SEMI-ANNUAL
GWMR**

09/10/2010

3R090

**SEMI-ANNUAL GROUNDWATER
MONITORING REPORT
APRIL and JUNE 2010 SAMPLING EVENTS**

**CONOCOPHILLIPS COMPANY
NELL HALL No. 1
FLORA VISTA, NEW MEXICO**

OCD # 3R0090
API # 30-045-09619

Prepared for:



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September 10, 2010

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SEMI-ANNUAL GROUNDWATER MONITORING REPORT CONOCOPHILLIPS COMPANY NELL HALL NO. 1 FLORA VISTA, NEW MEXICO

1.0 INTRODUCTION

This report presents the results of a semi-annual groundwater monitoring event conducted by Tetra Tech, Inc. (Tetra Tech) on March 31 and April 1, and June 9, 2010, at the ConocoPhillips Company Nell Hall No. 1 site in Flora Vista, New Mexico (Site).

The Site is located on private land off Flora Vista Road in Flora Vista, New Mexico, approximately 2 miles west of Aztec, New Mexico. The Site consists of a gas production well and associated equipment. The location and general features of the Site are presented as **Figures 1 and 2**, respectively.

1.1 Site History

The history of the Site is outlined in **Table 1** and discussed in more detail in the following paragraphs.

Environmental investigation at the Site began when closure of an unlined dehydrator discharge pit was attempted in the early 1990's. Soil impacts were discovered during earthmoving activities and groundwater Monitor Wells MW-1, MW-2, and MW-3 were subsequently installed to determine if hydrocarbons had impacted groundwater beneath the Site. An ongoing drought caused the water table to fall below the screened intervals of MW-1, MW-2, and MW-3. On February 17 and 18, 2004, Souder Miller and Associates (SMA) installed Monitor Wells MW-4, MW-5, and MW-6 at sufficient depths to intersect the water table and to account for the effects of further seasonal or drought-based water table fluctuations (Souder Miller and Associates, 2004).

Tetra Tech began quarterly sampling of Monitor Wells MW-4, MW-5, and MW-6 in 2004; then moved to sampling on a semi-annual basis in 2005, and annually beginning in 2006. Semi-annual sampling was resumed in 2007 due to seasonal groundwater fluctuations. The latest semi-annual sampling event was performed by Tetra Tech on March 31 and April 1, 2010; however due to lack of water in MW-4, Tetra Tech returned to the Site on June 9, 2010 to collect a full round of samples, including MW-4.

2.0 METHODOLOGY AND RESULTS

2.1 Groundwater Monitoring Methodology

Groundwater Elevation Measurements

Depth to groundwater was gauged at Monitor Wells MW-1, MW-2, MW-3, MW-4, MW-5, and MW-6 using a dual interface probe prior to sampling. Groundwater elevations were recorded on Tetra Tech groundwater sampling field forms (**Appendix A**) and are presented in **Table 2**. For determination of flow direction and gradient, only water levels in Monitor Wells MW-4, MW-5, and MW-6 were taken into account. Data points from MW-1, MW-2, and MW-3 were not considered due to uncertainty of the survey

data for those data points. In order to verify data, Tetra Tech will survey all monitoring wells during the next sampling event scheduled for September 2010.

Hydrographs illustrating groundwater level fluctuations since March 2004 in Monitor Wells MW-5 and MW-6 are presented as **Figure 3** and **Figure 4**, respectively. These data indicates that groundwater elevations are consistently lowest during the late-winter and early-spring months. Historically, the groundwater flow direction and gradient vary from season to season. These fluctuations are believed to be the result of changes in irrigation rates or in base-flow conditions in the Animas River, which, at its closest point, lies approximately 0.6 mile to the south, southeast of the Site (**Figure 1**). A Groundwater elevation contour map was created using June 2010 data, and is included as **Figure 5**. Since water levels from only two monitoring wells were available during the March/April 2010 monitoring event, a groundwater contour elevation map could not be made.

Groundwater Sampling

Groundwater samples were collected from Monitor Wells MW-5 and MW-6 during the March/April 2010 event and from MW-4, MW-5, and MW-6 during the June 2010 event as a continuation of semi-annual monitoring at the Site. Approximately three well volumes were purged from each monitor well with a dedicated polyethylene 1.5-inch disposable bailer prior to sampling. Purge water generated during the event was disposed of in the on-site produced water tank (**Figure 2**). Groundwater samples were placed in laboratory prepared bottles, packed on ice, and shipped under chain-of-custody documentation to Southern Petroleum Laboratory located in Houston, Texas. The samples were analyzed for the presence of benzene, toluene, ethylbenzene and xylenes (BTEX) by Environmental Protection Agency (EPA) Method 8260B and for dissolved iron by EPA Method 6010B.

Ferrous iron testing was conducted during prior sampling events. Tetra Tech changed the sampling protocol to analyze dissolved iron instead of ferrous iron since New Mexico Water Quality Control Commission (NMWQCC) standards are based on dissolved iron. Dissolved iron samples were collected in unpreserved containers supplied by the laboratory, and were filtered and preserved by laboratory personnel prior to analysis.

2.2 Groundwater Sampling Analytical Results

Only Monitor Wells MW-5 and MW-6 were sampled during the March 31 - April 1, 2010 sampling event. Monitor Well MW-4 was dry. Laboratory results for MW-5 were below laboratory detection limits for all analyzed constituents. Sample results for MW-6 indicated benzene over the NMWQCC standard at 480 micrograms per liter (ug/L). All other constituents were below the standards or below laboratory detection limits. The sample for dissolved iron could not be collected from MW-6 during this event due to low water volume in the well.

During the June 9, 2010 sampling event, samples were collected from MW-4, MW-5, and MW-6. Groundwater samples from MW-4 and MW-5 were below laboratory detection limits for BTEX and dissolved iron. The groundwater sample collected from MW-6 contained 11.06 milligrams per liter (mg/L) dissolved iron, which is above the NMWQCC groundwater quality standard of 1 mg/L. Benzene, toluene,

ethylbenzene and xylenes were detected in MW-6 at concentrations of 96 micrograms per liter (ug/L), 4.7 ug/L, 62 ug/L and 120 ug/L, respectively. The benzene concentration for MW-6 is above the NMWQCC quality standard of 10 ug/L.

Benzene concentrations in MW-6 have fluctuated throughout previous groundwater sampling events at the Site (**Table 3**). These results are postulated to be related to the fluctuating water table at the Site. To demonstrate this possibility, a graph depicting benzene and depth to water versus time in MW-6 was prepared and is attached as **Figure 6**. The graph illustrates an inverse relationship between benzene concentrations and water column thickness in this monitor well. Historically, elevated benzene concentrations in MW-6 (peaking at 2,500 ug/L in March 2004) should be viewed in this regard. It should also be noted that the March 2004 groundwater sample was collected immediately following installation of MW-6 in February 2004, in which soil samples collected at 25 and 30 feet bgs each resulted in an exceedence of the 50 milligram per kilogram (mg/kg) regulatory limit for BTEX, and soil samples collected at 25, 30, and 35 feet bgs were found to contain total petroleum hydrocarbons (TPH) at levels greater than the 100 mg/kg regulatory limit (SMA, 2004).

Historical laboratory analytical data are summarized on **Table 3**. A geologic cross-section is included as **Figure 7**. The laboratory analytical report is presented in **Appendix B**.

3.0 CONCLUSIONS

Tetra Tech will continue semi-annual groundwater sampling at the Site. The next groundwater sampling event is tentatively scheduled for September 2010. Samples will be collected from MW-4, MW-5, and MW-6 for BTEX analyses by EPA Method 8260B and dissolved iron by EPA Method 6010B. Please contact Kelly Blanchard at 505-237-8440 or kelly.blanchard@tetrattech.com if you have any questions or require additional information.

4.0 REFERENCES

Souder Miller and Associates (2004). *Nell Hall Monitor well Installation Report*. Prepared for ConocoPhillips Company Report Dated May 7. 64 pp.

Vance, David B. 1994. Online version of: 'Iron – The Environmental Impact of a Universal Element'. National Environmental Journal May/June. 4(3): 24-25. <[www.http://2the4.net/iron.htm](http://2the4.net/iron.htm)>.

FIGURES

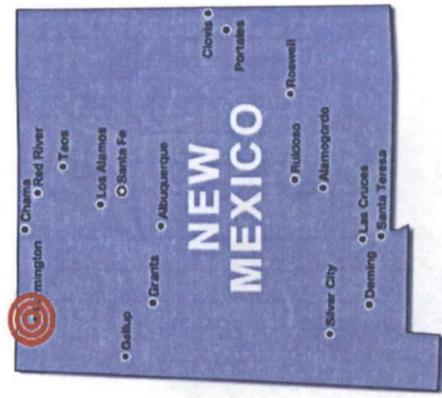
1. Site Location Map
2. Site Layout Map
3. MW-5 Hydrograph (March 2004 – June 2010)
4. MW-6 Hydrograph (March 2004 – June 2010)
5. Groundwater Elevation Contour Map June 2010
6. Inverse Relationship between Benzene and Depth to Water in MW-6
7. Geologic Cross Section



ConocoPhillips 2008 High Resolution Aerial Photography

FIGURE 1.

Site Location Map
 ConocoPhillips Company
 Nell Hall No. 1
 Flora Vista, New Mexico
 Sec 07, Twp 30N, Rng 11W



Approximate ConocoPhillips
 Nell Hall #1 Site location



TETRA TECH, INC.

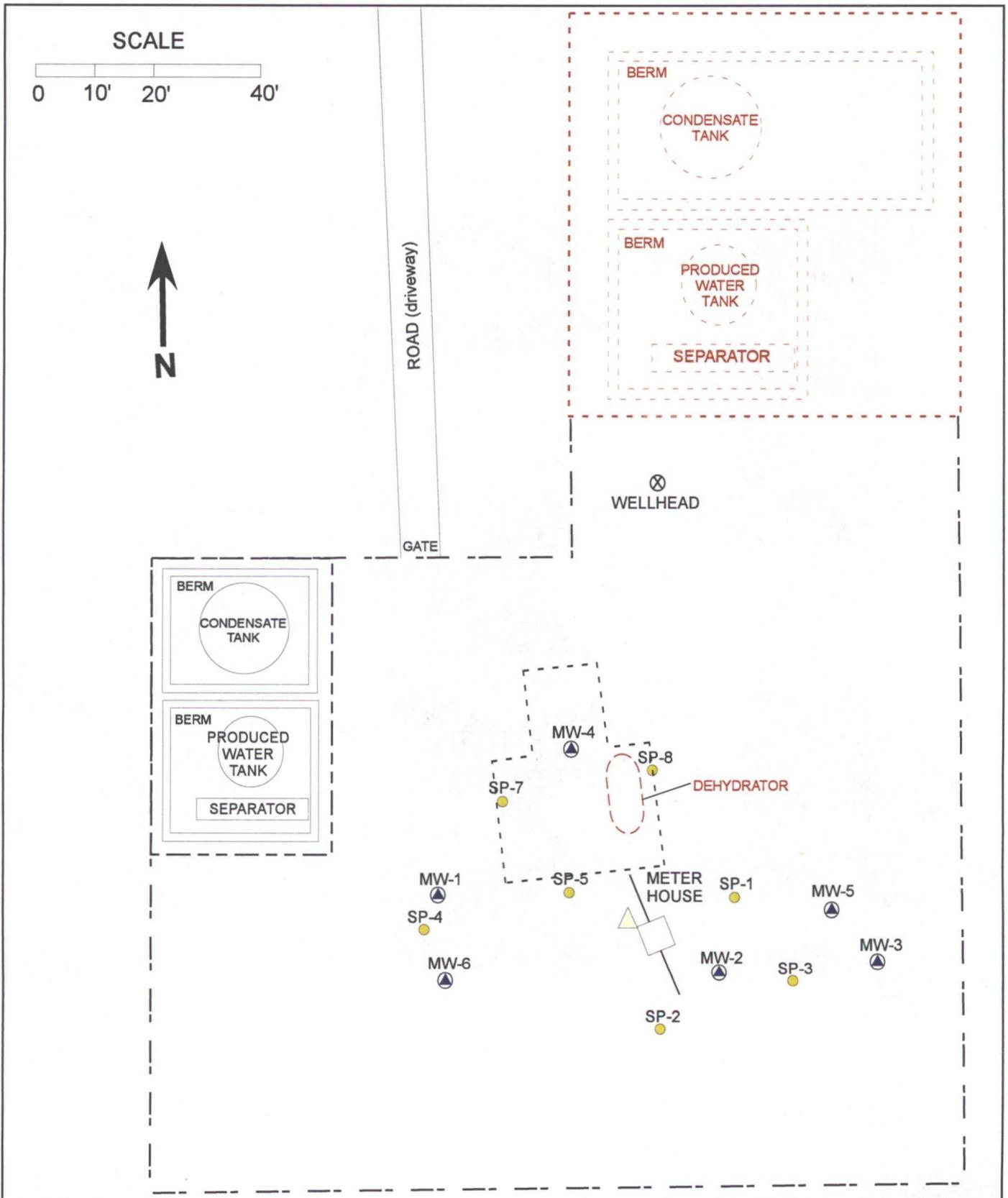


FIGURE 2:
SITE LAYOUT MAP
CONOCOPHILLIPS COMPANY
 Nell Hall No. 1
 Flora Vista, New Mexico
 Sec 07, Twp 30N, Rng 11W

- LEGEND**
- MW-2 - Monitoring Well Locations
 - SP-3 - Sparge Point Locations
 - Survey Control Point
 - — — - Fence
 - - - - - Previous Equipment Placement
 - - - - - Approximate 1994 Excavation Location
- NOTE: SP-1 Removed.



Figure 3. MW-5 Hydrograph (March 2004 - June 2010) - ConocoPhillips Company Nell Hall No.1

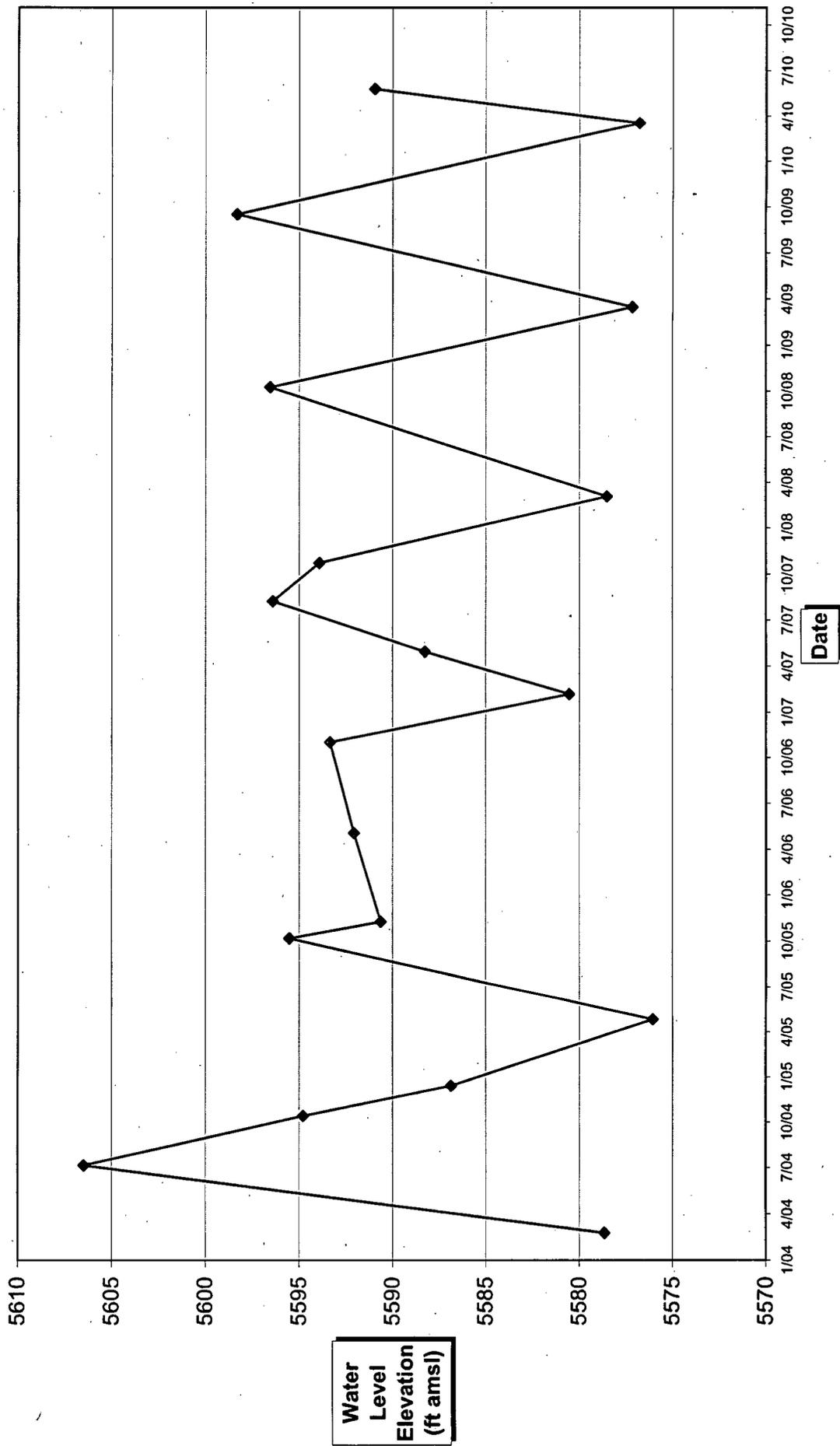
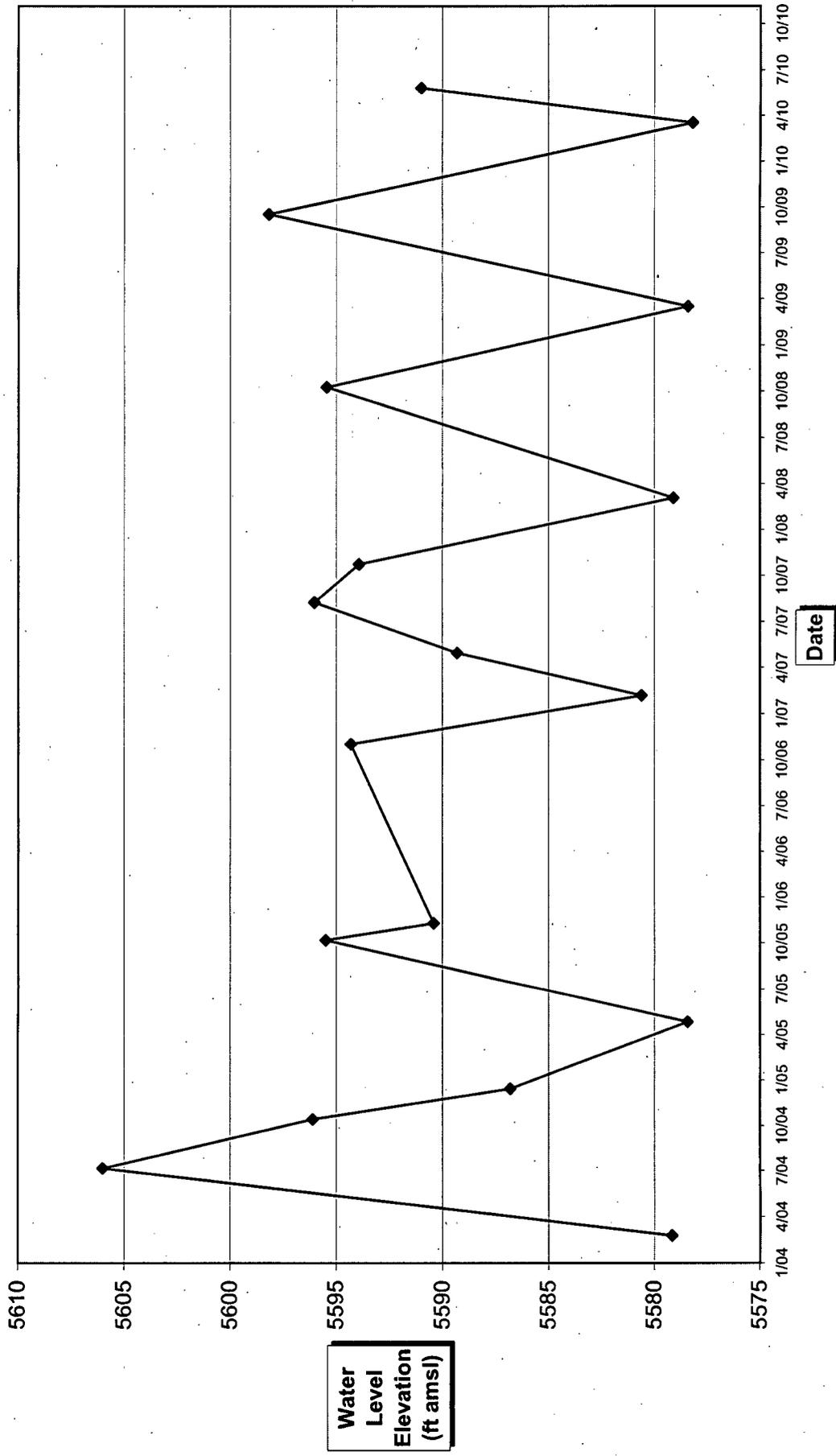


Figure 4. MW-6 Hydrograph (March 2004 - June 2010) - ConocoPhillips Company Nell Hall No. 1



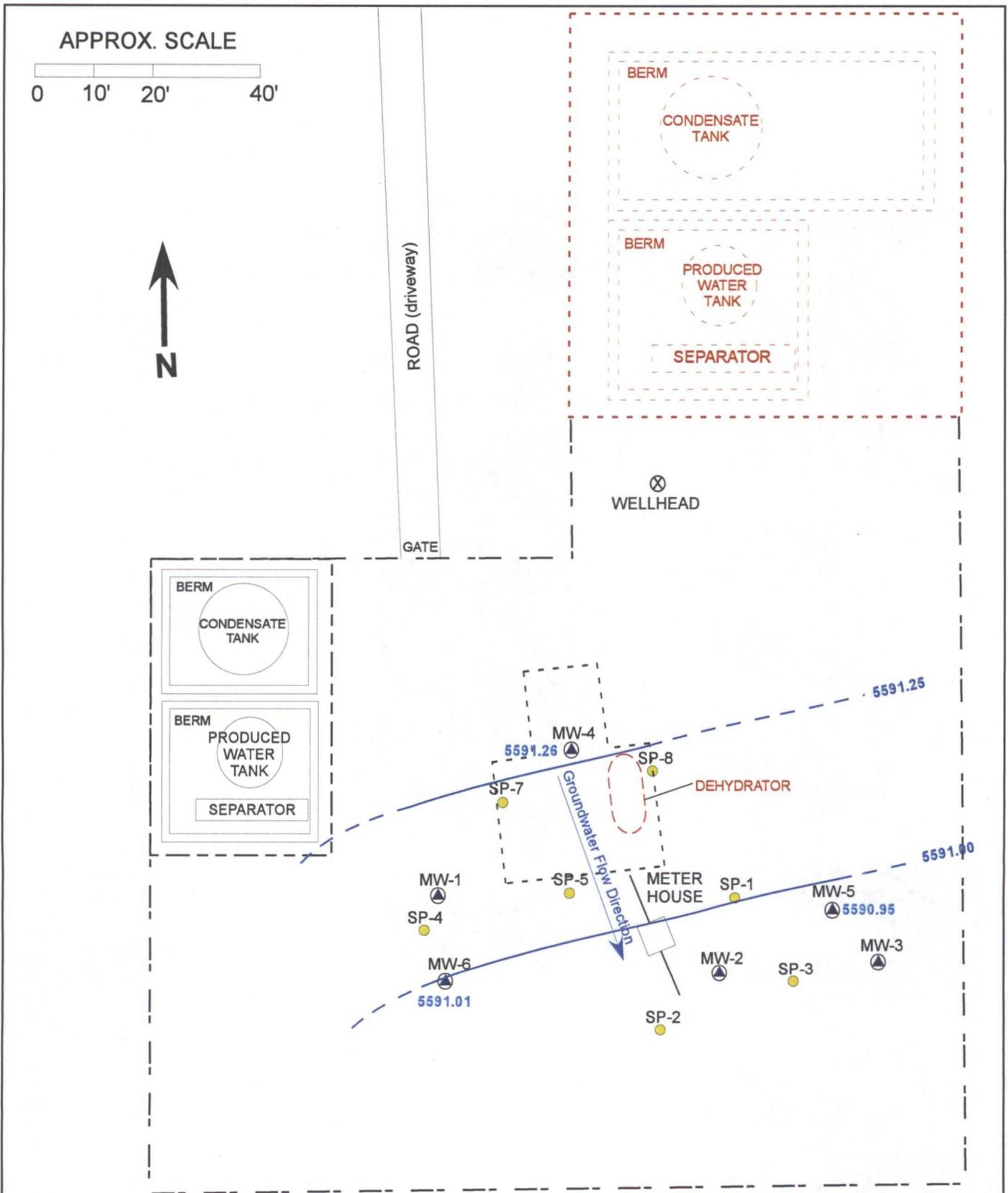


FIGURE 5:
 GROUNDWATER ELEVATION
 CONTOUR MAP
 CONOCOPHILLIPS COMPANY
 Nell Hall No. 1 (June 9, 2010)
 Unit M, Sec 07, T30N, R11W
 API # - 30-045-09619
 San Juan County, New Mexico

LEGEND

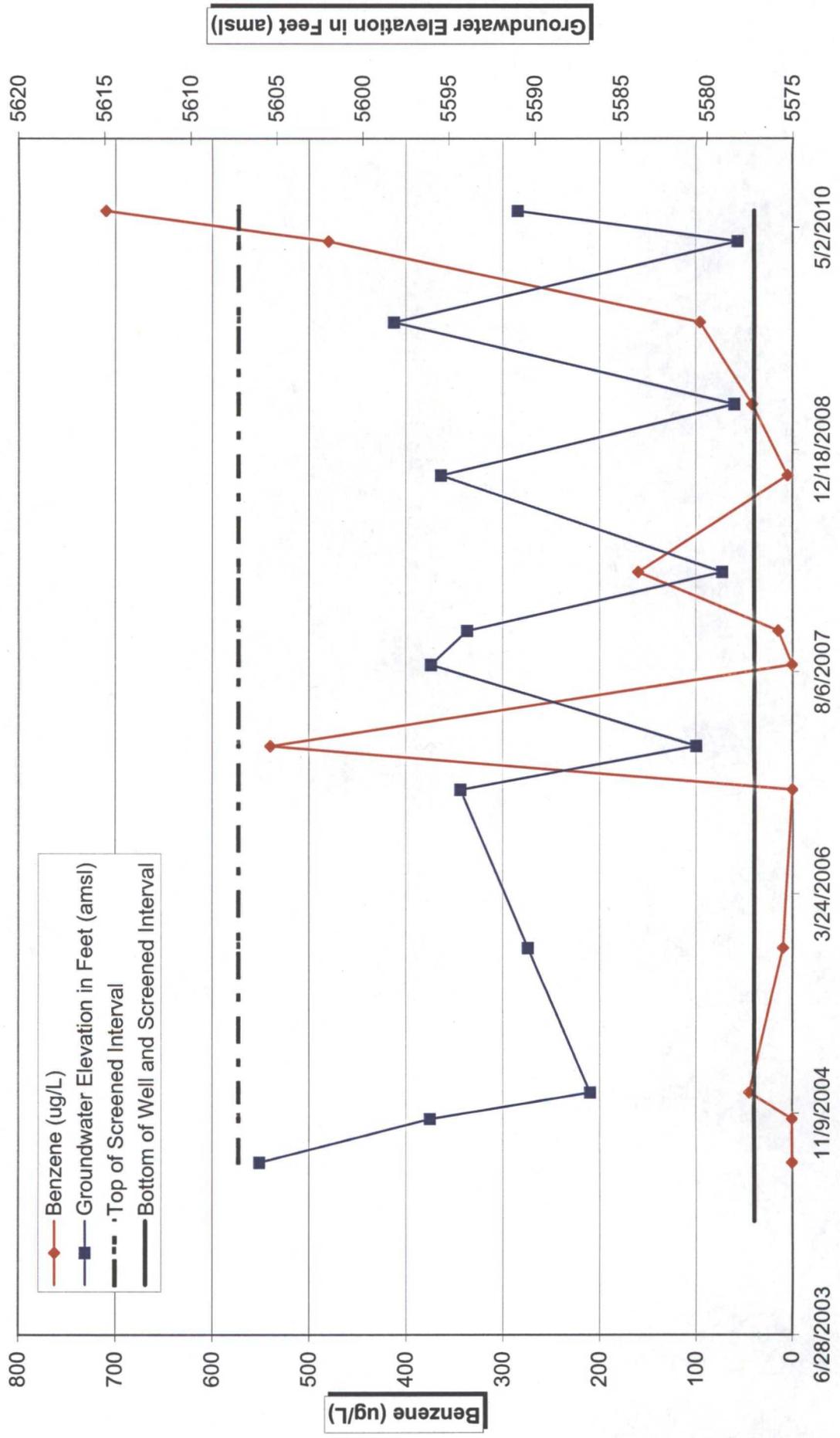
- ▲ - Monitoring Well Locations
- - Sparge Point Locations
- - Fence
- - - - Previous Equipment Placement
- - - - Approximate 1994 Excavation Location
- - Groundwater Elevation Contour (dashed where inferred)

NOTE: SP-1 Removed.



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**Figure 6. Inverse Relationship Between Benzene and Depth to Water in MW-6
ConocoPhillips Company Nell Hall No.1**



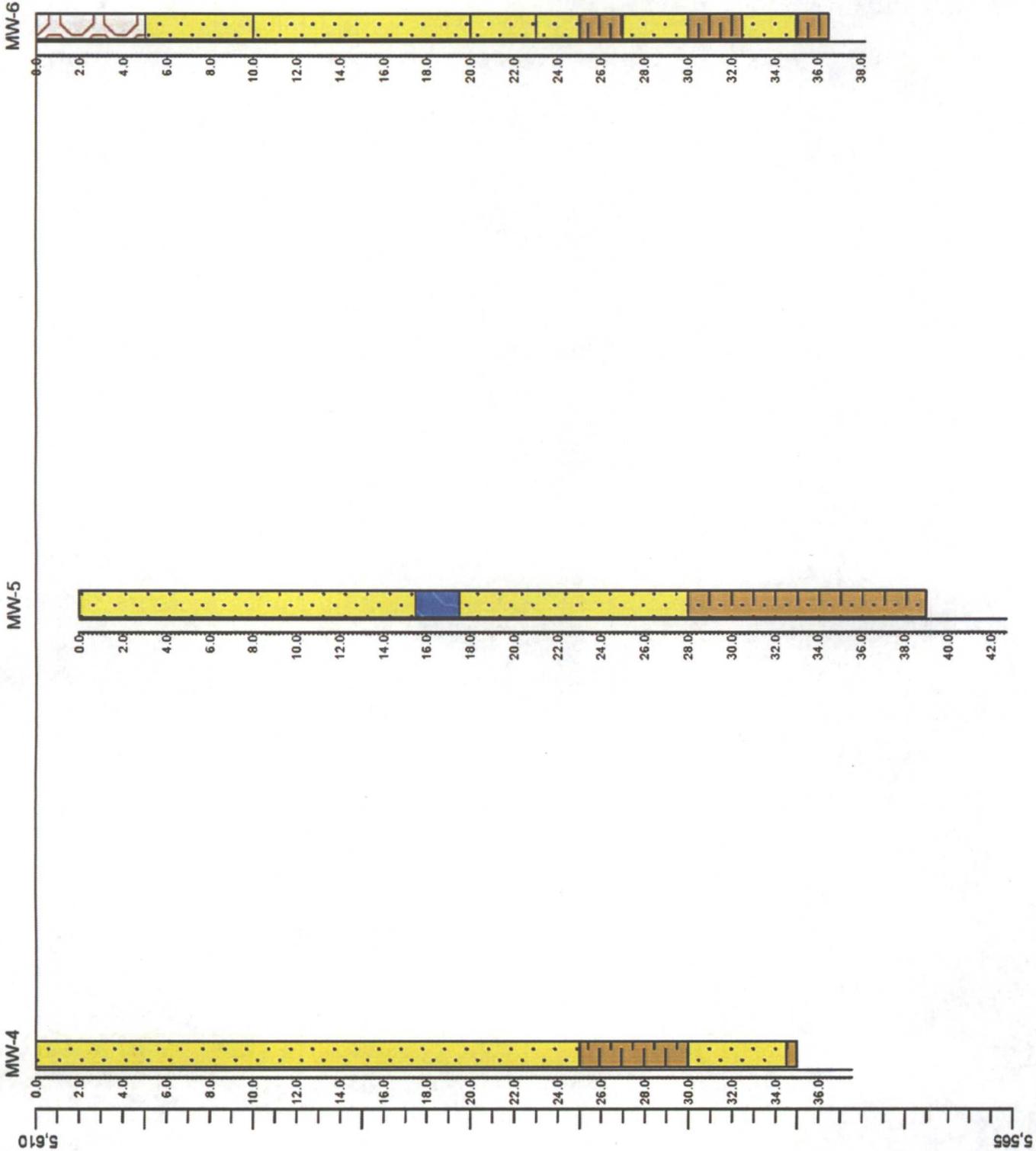
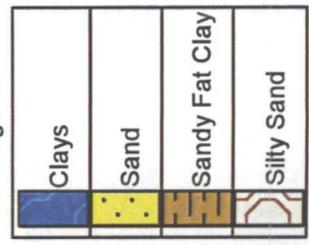


Figure 7. Site Cross Section
 ConocoPhillips - Nell Hall No. 1

Legend



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TABLES

- I. Site History Timeline
2. Groundwater Elevation Summary (March 2004 – June 2010)
3. Laboratory Analytical Data Summary (March 2004 – June 2010)

Table 1. Site History Timeline - ConocoPhillips Company Nell Hall No. 1

| Date/Time Period | Event/Action | Description/Comments |
|--------------------------------------|---------------------------------------|---|
| February 20, 1961 | Well Spudded | Southwest Production Company spudded the Nell Hall No. 1 |
| September 1, 1963 | Operator Change | Beta Development Company acquired the Nell Hall No. 1 from Southwest Production Company |
| September 15, 1988 | Operator Change | Mesa Operating Limited Partnership acquired the Nell Hall No. 1 from Beta Development Company |
| July 1, 1991 | Operator Change | Conoco Inc. acquired the Nell Hall No. 1 from Mesa Operating Limited Partnership |
| May 3, 1994 | Pit Remediation | Conoco stopped flow to the dehydrator, sampled the soil in the unlined dehydrator pit and encountered hydrocarbon-impacted soil. |
| August 31 through September 1, 1994 | Pit Remediation | Conoco removed the dehydrator and Flint Engineering & Construction Co. excavated soil in the vicinity of the former dehydrator pit to a depth of 16 feet. A soil sample at the bottom of the excavation revealed TPH of 380 ppm. |
| September 21 through October 7, 1994 | Pit Remediation | Flint landfarmed the excavated soil on site |
| June 1 and 2, 1995 | Soil Borings and Groundwater Sampling | Philip Environmental Services Corp. completed initial subsurface assessment (3 temporary monitor wells and 3 additional borings) |
| June 15, 1995 | Soil Borings and Groundwater Sampling | Philip Environmental Services Corp. completed an additional soil boring. |
| March 27, 1997 | Monitor Well Sampling | On Site Technologies, LTD found insufficient water in the 3 monitor wells for sampling. |
| March, 2002 | Groundwater sampling | Continued sampling recommended until four (4) sampling events demonstrate contamination levels below NMWQCC groundwater quality standards. |
| June, 2002 | Groundwater sampling | Continued sampling recommended until four (4) sampling events demonstrate contamination levels below NMWQCC groundwater quality standards. |
| September, 2002 | Groundwater sampling | Continued sampling recommended until four (4) sampling events demonstrate contamination levels below NMWQCC groundwater quality standards. |
| January 1, 2003 | Operator Name Change | Conoco Inc. and Phillips Petroleum Company merged to form ConocoPhillips Company. |
| February 17 and 18, 2004 | Monitor Well Installation | Monitor Wells MW-4, MW-5, and MW-6 were installed at deeper depths (35 to 39 feet BGS) to adequately intersect the water table, as previously installed groundwater monitoring wells continually went dry. The lowest water levels at the site are found to occur in early spring and late winter. Installed 30 to 35 feet of screen to allow for seasonal groundwater fluctuations of up to 25 feet. |
| March 8 through December 27, 2004 | Monitor Well Sampling | Quarterly groundwater sampling of Monitor Wells MW-4, MW-5, and MW-6; benzene spike in March (MW-6) coincides with MW-6 well installation and discovery of BTEX and TPH impacts to soil at 25-35 feet bgs in MW-6 soil samples collected during drilling. |
| May 11 through November 22, 2005 | Monitor Well Sampling | Semi-annual sampling of monitor wells MW-4, MW-5, and MW-6 |
| November 15, 2006 | Monitor Well Sampling | Annual sampling of monitor wells MW-4, MW-5, and MW-6 |

Table 1. Site History Timeline - ConocoPhillips Company Neil Hall No. 1

| Date/Time Period | Event/Action | Description/Comments |
|--|---|--|
| February 21, 2007 through October 22, 2008 | Monitor Well Sampling | Resumption of semi-annual sampling of Monitor Wells MW-4, MW-5, and MW-6 during summer and fall months when water is most likely to be present in wells. |
| February 4, 2008 | PEPA Report | Preliminary Exposure Pathway Assessment (PEPA) report completed and submitted to ConocoPhillips; internal document for ConocoPhillips use only. |
| February 6, 2009 | BTEX vs. depth to water plotted in MW-6 | BTEX concentrations show inverse relationship to water column thickness in MW-6; plotted from 2/21/07 to 10/22/08 (N=5) |
| September 30, 2009 | Monitor Well Sampling | Groundwater samples collected from MW-4, MW-5 and MW-6. MW-6 benzene concentration of 96 µg/L; dissolved iron concentration of 1.06 milligrams per liter (mg/L). |
| March 31 and April 1, 2010 | Monitor Well Sampling | Groundwater samples collected from MW-5 and MW-6, MW-4 was dry. MW-6 benzene concentration of 480 µg/L; a sample for dissolved iron was not obtained |
| June 9, 2010 | Monitor Well Sampling | Groundwater samples collected from MW-4, MW-5 and MW-6 as a continuation of semi-annual sampling event. MW-6 benzene concentration of 710 µg/L; dissolved |

Table 2. Groundwater Elevation Summary (March 2004 - June 2010) - ConocoPhillips Company Nell Hall No. 1

| Well ID | Date Installed | Total Depth (ft. below TOC) | Screen Interval (ft below TOC) | Elevation (ft. msl) (TOC) | Date Measured | Groundwater Level (ft below TOC) | Groundwater Elevation (ft amsl) |
|-----------|----------------|-----------------------------|--------------------------------|---------------------------|---------------|----------------------------------|---------------------------------|
| MW-1 | Unknown | 28.55 | Unknown | 5615.72 | 5/10/2005 | Dry | NC |
| | | | | | 10/20/2005 | 19.25 | 5596.47 |
| | | | | | 11/22/2005 | 24.15 | 5591.57 |
| | | | | | 5/17/2006 | NM | NC |
| | | | | | 11/15/2006 | 21.40 | 5594.32 |
| | | | | | 2/19/2007 | Dry | NC |
| | | | | | 5/14/2007 | 24.85 | 5590.87 |
| | | | | | 8/22/2007 | 24.61 | 5591.11 |
| | | | | | 11/6/2007 | 20.87 | 5594.85 |
| | | | | | 3/17/2008 | Dry | NC |
| | | | | | 10/22/2008 | 19.38 | 5596.34 |
| | | | | | 3/30/2009 | 28.25 | 5587.47 |
| | | | | | 9/30/2009 | 16.56 | 5599.16 |
| 3/31/2010 | Dry | NC | | | | | |
| 6/9/2010 | 24.16 | 5591.56 | | | | | |
| MW-2 | Unknown | 27.32 | Unknown | 5614.94 | 5/10/2005 | Dry | NC |
| | | | | | 10/20/2005 | 18.81 | 5596.13 |
| | | | | | 11/22/2005 | 23.74 | 5591.20 |
| | | | | | 5/17/2006 | 22.06 | 5592.88 |
| | | | | | 11/15/2006 | 21.01 | 5593.93 |
| | | | | | 2/19/2007 | Dry | NC |
| | | | | | 5/14/2007 | Dry | NC |
| | | | | | 8/22/2007 | 18.03 | 5596.91 |
| | | | | | 11/6/2007 | 20.43 | 5594.51 |
| | | | | | 3/17/2008 | Dry | NC |
| | | | | | 10/22/2008 | 18.83 | 5596.11 |
| | | | | | 3/30/2009 | 27.15 | 5587.79 |
| | | | | | 9/30/2009 | 16.01 | 5598.93 |
| 3/31/2010 | Dry | NC | | | | | |
| 6/9/2010 | 23.36 | 5591.58 | | | | | |
| MW-3 | Unknown | 27.45 | Unknown | 5615.53 | 5/10/2005 | Dry | NC |
| | | | | | 10/20/2005 | 19.36 | 5596.17 |
| | | | | | 11/22/2005 | 24.24 | 5591.29 |
| | | | | | 5/17/2006 | 22.82 | 5592.71 |
| | | | | | 11/15/2006 | 21.53 | 5594.00 |
| | | | | | 2/19/2007 | Dry | NC |
| | | | | | 5/14/2007 | Dry | NC |
| | | | | | 8/22/2007 | 18.36 | 5597.17 |
| | | | | | 11/6/2007 | 20.95 | 5594.58 |
| | | | | | 3/17/2008 | Dry | NC |
| | | | | | 10/22/2008 | 19.34 | 5596.19 |
| | | | | | 3/30/2009 | Dry | NC |
| | | | | | 9/30/2009 | NM | NC |
| 3/31/2010 | Dry | NC | | | | | |
| 6/9/2010 | 23.87 | 5591.66 | | | | | |
| MW-4 | 2/18/2004 | 37.57 | 7.57 - 37.57 | 5614.87 | 3/8/2004 | 36.04 | 5578.83 |
| | | | | | 7/19/2004 | 8.44 | 5606.43 |
| | | | | | 10/27/2004 | 19.69 | 5595.18 |
| | | | | | 12/27/2004 | 27.58 | 5587.29 |
| | | | | | 5/10/2005 | Dry | NC |
| | | | | | 10/20/2005 | 18.87 | 5596.00 |
| | | | | | 11/22/2005 | 23.93 | 5590.94 |
| | | | | | 5/17/2006 | NM | NC |
| | | | | | 11/15/2006 | 21.02 | 5593.85 |
| | | | | | 2/19/2007 | 34.40 | 5580.47 |
| | | | | | 5/14/2007 | 27.56 | 5587.31 |
| | | | | | 8/22/2007 | 18.18 | 5596.69 |
| | | | | | 11/6/2007 | 20.48 | 5594.39 |
| | | | | | 3/17/2008 | 36.08 | 5578.79 |
| | | | | | 10/22/2008 | 18.96 | 5595.91 |
| | | | | | 3/30/2009 | 37.36 | 5577.51 |
| 9/30/2009 | 16.15 | 5598.72 | | | | | |
| 3/31/2010 | Dry | NC | | | | | |
| 6/9/2010 | 23.61 | 5591.26 | | | | | |

Table 2. Groundwater Elevation Summary (March 2004 - June 2010) - ConocoPhillips Company Nell Hall No. 1

| Well ID | Date Installed | Total Depth (ft. below TOC) | Screen Interval (ft below TOC) | Elevation (ft. msl) (TOC) | Date Measured | Groundwater Level (ft below TOC) | Groundwater Elevation (ft amsl) |
|-----------|----------------|-----------------------------|--------------------------------|---------------------------|---------------|----------------------------------|---------------------------------|
| MW-5 | 2/17/2004 | 42.7 | 7.7 - 42.7 | 5615.86 | 3/8/2004 | 37.19 | 5578.67 |
| | | | | | 7/19/2004 | 9.38 | 5606.48 |
| | | | | | 10/27/2004 | 21.07 | 5594.79 |
| | | | | | 12/27/2004 | 28.99 | 5586.87 |
| | | | | | 5/10/2005 | 39.79 | 5576.07 |
| | | | | | 10/20/2005 | 20.34 | 5595.52 |
| | | | | | 11/22/2005 | 25.23 | 5590.63 |
| | | | | | 5/17/2006 | 23.80 | 5592.06 |
| | | | | | 11/15/2006 | 22.51 | 5593.35 |
| | | | | | 2/19/2007 | 35.31 | 5580.55 |
| | | | | | 5/14/2007 | 27.59 | 5588.27 |
| | | | | | 8/22/2007 | 19.45 | 5596.41 |
| | | | | | 11/6/2007 | 21.94 | 5593.92 |
| | | | | | 3/17/2008 | 37.33 | 5578.53 |
| | | | | | 10/22/2008 | 19.3 | 5596.56 |
| | | | | | 3/30/2009 | 38.68 | 5577.18 |
| 9/30/2009 | 17.54 | 5598.32 | | | | | |
| 3/31/2010 | 39.05 | 5576.81 | | | | | |
| 6/9/2010 | 24.91 | 5590.95 | | | | | |
| MW-6 | 2/18/2004 | 38.21 | 8.21 - 38.21 | 5615.44 | 3/8/2004 | 36.27 | 5579.17 |
| | | | | | 7/19/2004 | 9.43 | 5606.01 |
| | | | | | 10/27/2004 | 19.33 | 5596.11 |
| | | | | | 12/27/2004 | 28.62 | 5586.82 |
| | | | | | 5/10/2005 | Dry | NC |
| | | | | | 10/20/2005 | 19.94 | 5595.50 |
| | | | | | 11/22/2005 | 25.02 | 5590.42 |
| | | | | | 5/17/2006 | NM | NC |
| | | | | | 11/15/2006 | 21.12 | 5594.32 |
| | | | | | 2/19/2007 | 34.82 | 5580.62 |
| | | | | | 5/14/2007 | 26.12 | 5589.32 |
| | | | | | 8/22/2007 | 19.41 | 5596.03 |
| | | | | | 11/6/2007 | 21.51 | 5593.93 |
| | | | | | 3/17/2008 | 36.34 | 5579.10 |
| | | | | | 10/22/2008 | 19.99 | 5595.45 |
| | | | | | 3/30/2009 | 37.04 | 5578.40 |
| 9/30/2009 | 17.26 | 5598.18 | | | | | |
| 3/31/2010 | 37.24 | 5578.20 | | | | | |
| 6/9/2010 | 24.43 | 5591.01 | | | | | |

Explanation

amsl = Above mean sea level
 bgs = Below ground surface
 ft = Feet
 NC = Not calculated
 NM = Not measured
 TOC = Top of casing

**Table 3. Groundwater Analytical Results Summary (March 2004 - June 2010)
ConocoPhillips Company Nell Hall No. 1**

| Well ID | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Nitrate (mg/L) | Sulfate (mg/L) | Ferrous Iron (mg/L) | Phosphate (mg/L) | Dissolved Iron (mg/L) | |
|-------------------------|------------|------------------|-------------------|---------------------|----------------------|------------------|-------------------|---------------------|------------------|-----------------------|--|
| MW-4 | 3/8/2004 | 13 | 12 | 64 | 1,400 | NA | NA | NA | NA | NA | |
| | 7/19/2004 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | NA | NA | NA | |
| | 10/27/2004 | 11 | 8 | 21 | 130 | NA | NA | NA | NA | NA | |
| | 12/27/2004 | <2.5 | <2.5 | <2.5 | <0.5 | NA | NA | NA | NA | NA | |
| | 5/11/2005 | Dry | | | | | | | | | |
| | 11/22/2005 | <0.5 | <0.7 | <0.8 | <0.8 | <0.40 | 105 | 2.7 | <0.25 | NA | |
| | 11/15/2006 | <0.5 | <0.7 | <0.8 | <0.8 | <0.25 | 110 | 0.083 | <0.25 | NA | |
| | 2/21/2007 | <0.5 | <0.7 | <0.8 | <0.8 | <0.25 | 59.6 | 1.6 | 0.28 | NA | |
| | 8/22/2007 | <0.5 | <0.7 | <0.8 | <0.8 | <0.25 | 96.5 | 0.04 | <0.25 | NA | |
| | 11/6/2007 | <0.5 | <0.7 | <0.8 | <0.8 | 3.3 | 111 | <0.008 | 0.17 | NA | |
| | 3/17/2008 | <5 | <5 | <5 | <5 | <0.5 | 64.5 | 0.187 | 0.9 | NA | |
| | 10/22/2008 | <5 | <5 | <5 | <5 | 1.9 | 93.8 | <0.1 | 0.18 | NA | |
| | 3/30/2009 | Dry | | | | | | | | | |
| | 9/30/2009 | <1 | <1 | <1 | <1 | NA | NA | NA | NA | <0.02 | |
| 3/31/2010 | Dry | | | | | | | | | | |
| 6/9/2010 | <1 | <1 | <1 | <1 | NA | NA | NA | NA | <0.02 | | |
| MW-5 | 3/8/2004 | 1.1 | <0.5 | 1 | 17 | NA | NA | NA | NA | NA | |
| | 7/19/2004 | <0.5 | 0.55 | <0.5 | 0.72 | NA | NA | NA | NA | NA | |
| | 10/27/2004 | <0.5 | <0.5 | <0.5 | <1.0 | NA | NA | NA | NA | NA | |
| | 12/27/2004 | <0.5 | <0.5 | <0.5 | <1.0 | NA | NA | NA | NA | NA | |
| | 5/11/2005 | <0.5 | <0.7 | <0.8 | <0.8 | 2.3 | 139 | <0.0080 | 1.2 | NA | |
| | 11/22/2005 | <0.5 | <0.7 | <0.8 | <0.8 | <0.40 | 38 | <0.0080 | 0.43 | NA | |
| | 11/15/2006 | <0.5 | <0.7 | <0.8 | <0.8 | 2.3 | 77.9 | <0.0080 | <0.25 | NA | |
| | 2/21/2007 | <0.5 | <0.7 | <0.8 | <0.8 | 1.3 | 83.3 | <0.0080 | 0.28 | NA | |
| | 8/22/2007 | <0.5 | <0.7 | <0.8 | <0.8 | 5.6 | 125 | <0.0080 | <0.25 | NA | |
| | 11/6/2007 | <0.5 | <0.7 | <0.8 | <0.8 | 4 | 59 | <0.0080 | <0.25 | NA | |
| | 3/17/2008 | <5 | <5 | <5 | <5 | 0.986 | 69.7 | 0.876 | 1.4 | NA | |
| | 10/22/2008 | <5 | <5 | <5 | <5 | 0.532 | 105 | <.1 | <.15 | NA | |
| | 3/30/2009 | <5 | <5 | <5 | <5 | NA | NA | 0.822 | NA | NA | |
| | 9/30/2009 | <1 | <1 | <1 | <1 | NA | NA | NA | NA | <0.02 | |
| 3/31/2010 | <1 | <1 | <1 | <1 | NA | NA | NA | NA | <0.02 | | |
| 6/9/2010 | <1 | <1 | <1 | <1 | NA | NA | NA | NA | <0.02 | | |
| MW-6 | 3/8/2004 | 2,500 | 14 | 1,600 | 21,031 | NA | NA | NA | NA | NA | |
| | 7/19/2004 | <0.5 | <0.5 | 0.98 | 2.6 | NA | NA | NA | NA | NA | |
| | 10/27/2004 | 0.4 | 0.3 | 0.5 | 2.1 | NA | NA | NA | NA | NA | |
| | 12/27/2004 | 45 | 6.8 | 14 | 71.7 | NA | NA | NA | NA | NA | |
| | 5/11/2005 | Dry | | | | | | | | | |
| | 11/22/2005 | 10 | 0.7 | 16 | 150 | <0.40 | 3.4 | 7.7 | 2.8 | NA | |
| | 11/15/2006 | <0.5 | <0.7 | <0.8 | <0.8 | <0.25 | 41.3 | 0.19 | <0.25 | NA | |
| | 2/21/2007 | 540 | <1 | 76 | 810 | <0.25 | 1.8 | 6.4 | 9.0 | NA | |
| | 8/22/2007 | <0.5 | <0.7 | <0.8 | <0.8 | <0.25 | 12.6 | 0.95 | <0.25 | NA | |
| | 11/6/2007 | 15 | <0.7 | 47 | 390 | <0.25 | 5.6 | 3.6 | 0.1 | NA | |
| | 3/18/2008 | 160 | <5 | <5 | 33 | NA | NA | 8.88 | NA | NA | |
| | 10/22/2008 | <5 | <5 | <5 | <5 | <1.0 | 5.15 | 38.7 | 0.9 | NA | |
| | 3/30/2009 | 42 | <5 | <5 | 10 | NA | NA | 31.8 | NA | NA | |
| | 9/30/2009 | 96 | 4.7 | 62 | 120 | NA | NA | NA | NA | 1.06 | |
| 4/1/2010 | 480 | <1.0 | 78 | 200 | NA | NA | NA | NA | NA | | |
| 6/9/2010 | 710 | <1.0 | 420 | 520 | NA | NA | NA | NA | 11.4 | | |
| NMWQCC Standards | | 10 (µg/L) | 750 (µg/L) | 750 (µg/L) | 620 (µg/L) | 10 (mg/L) | 600 (mg/L) | NE | NE | 1 (mg/L) | |

Explanation

mg/L = milligrams per liter (parts per million)
 NA = Not Analyzed
 NE = Not Established
 NMWQCC = New Mexico Water Quality Control Commission
 µg/L = micrograms per liter (parts per billion)

APPENDIX A
GROUNDWATER SAMPLING FIELD FORMS



WATER SAMPLING FIELD FORM

Project Name Nell Hall No. 1

Page 1 of 3

Project No. _____

Site Location Flora Vista, NM

Site/Well No. MW-4

Coded/
Replicate No. _____

Date 3-31-10

Weather cloudy, ~45°

Time Sampling
Began N/A

Time Sampling
Completed N/A

EVACUATION DATA

Description of Measuring Point (MP) Top of Casing

Height of MP Above/Below Land Surface ~2'

MP Elevation 5614.87

Total Sounded Depth of Well Below MP 37.57

Water-Level Elevation dry

Held _____ Depth to Water Below MP 37.43

Diameter of Casing 2"

Wet _____ Water Column in Well dry

Gallons Pumped/Bailed
Prior to Sampling dry

Gallons per Foot 0.16

Sampling Pump Intake Setting
(feet below land surface) N/A

Gallons in Well Ø

Purging Equipment ~~Purge pump/Bailer~~ dry

SAMPLING DATA/FIELD PARAMETERS

| Time | Temperature (°C) | pH | Conductivity (µS/cm³) | TDS (g/L) | DO (mg/L) | ORP (mV) |
|------|------------------|----|-----------------------|-----------|-----------|----------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Sampling Equipment Purge Pump/Bailer

Constituents Sampled

Container Description

Preservative

~~BTEX~~ _____ 3 40mL VOA's _____ HCl

~~Dissolved-Fe~~ _____ 16 oz plastic _____ None

Remarks No sample collected. Well only has small amount of

Sampling Personnel water in cap. K. Blanchard, C. Mathews

| Well Casing Volumes | | | |
|---------------------|--------------|-------------|-------------|
| Gal./ft. | 1 ¼" = 0.077 | 2" = 0.16 | 3" = 0.37 |
| | 1 ½" = 0.10 | 2 ½" = 0.24 | 3 ½" = 0.50 |
| | | | 4" = 0.65 |
| | | | 6" = 1.46 |



WATER SAMPLING FIELD FORM

Project Name Nell Hall No. 1

Page 2 of 3

Project No. _____

Site Location Flora Vista, NM

Site/Well No. MW-5 Coded/ Replicate No. _____

Date 3/31/10

Weather Cloudy, 45° Time Sampling Began 1425

Time Sampling Completed 1445

EVACUATION DATA

Description of Measuring Point (MP) Top of Casing

Height of MP Above/Below Land Surface ~3'

MP Elevation 5615.86

Total Sounded Depth of Well Below MP 42.7

Water-Level Elevation 5576.81

Held _____ Depth to Water Below MP 39.05

Diameter of Casing 2"

Wet _____ Water Column in Well 3.65

Gallons Pumped/Bailed Prior to Sampling 1.75

Gallons per Foot 0.16

Gallons in Well ~584 x 3

Sampling Pump Intake Setting (feet below land surface) N/A

Purging Equipment Purge pump / Bailer 1.752

SAMPLING DATA/FIELD PARAMETERS

| Time | Temperature (°C) | pH | Conductivity (µS/cm³) | TDS (g/L) | DO (mg/L) | ORP (mV) |
|------|------------------|----|-----------------------|-----------|-----------|----------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Not enough water

Sampling Equipment Purge Pump/Bailer

| Constituents Sampled | Container Description | Preservative |
|----------------------|-----------------------|--------------|
| <u>BTEX</u> | <u>3 40mL VOA's</u> | <u>HCl</u> |
| <u>Dissolved Fe</u> | <u>16 oz plastic</u> | <u>None</u> |

Remarks Not enough water to collect parameters.

Sampling Personnel K. Blanchard, C. Matthews

| Well Casing Volumes | | | |
|---------------------|--------------|-------------|-------------|
| Gal./ft. | 1 ¼" = 0.077 | 2" = 0.16 | 3" = 0.37 |
| | 1 ½" = 0.10 | 2 ½" = 0.24 | 3" ½ = 0.50 |
| | | | 4" = 0.65 |
| | | | 6" = 1.46 |



WATER SAMPLING FIELD FORM

Project Name Nell Hall No. 1

Page 3 of 3

Project No. _____

Site Location Flora Vista, NM

Site/Well No. MW-6 Coded/Replicate No. _____

Date 3-31-10

Weather cloudy, ~45° Time Sampling Began 3-31-10 @ 1400

Time Sampling Completed 4-1-10 @ 1510

EVACUATION DATA

Description of Measuring Point (MP) Top of Casing

Height of MP Above/Below Land Surface ~3' MP Elevation 5615.44

Total Sounded Depth of Well Below MP 38.21 Water-Level Elevation 5578.20

Held _____ Depth to Water Below MP 37.24 Diameter of Casing 2"

Wet _____ Water Column in Well 0.97 Gallons Pumped/Bailed Prior to Sampling ~0.25 then dry

Gallons per Foot 0.16 Sampling Pump Intake Setting (feet below land surface) N/A

Gallons in Well 0.155 x 3

Purging Equipment Purge pump/Bailer = 0.466

SAMPLING DATA/FIELD PARAMETERS

| Time | Temperature (°C) | pH | Conductivity (µS/cm ³) | TDS (g/L) | DO (mg/L) | ORP (mV) |
|------|------------------|----|------------------------------------|-----------|-----------|----------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

not enough water to collect parameters

Sampling Equipment Purge Pump/Bailer

Constituents Sampled _____ Container Description _____ Preservative _____

BTEX 3 40mL VOA's HCl

~~Dissolved Fe~~ ~~16 oz plastic~~ ~~None~~ Not enough water in well to collect dissolved Fe sample

Remarks white particles in water, smells like sewage.

Sampling Personnel R. Blanchard, C. Mathews

| Well Casing Volumes | | | |
|---------------------|--------------|-------------|-------------|
| Gal./ft | 1 ¼" = 0.077 | 2" = 0.16 | 3" = 0.37 |
| | 1 ½" = 0.10 | 2 ½" = 0.24 | 3 ½" = 0.50 |
| | | | 4" = 0.65 |
| | | | 6" = 1.46 |



WATER SAMPLING FIELD FORM

Project No. Well Hall

1 of 3

Location Flora Vista, NM

Site/Well No. MW- 4

Coded/
Replicate No. —

Date 6-9-10

Weather Bunny, hot
99°

Time Sampling
Began —

Time Sampling
Completed 1720

EVACUATION DATA

Description of Measuring Pt (MP) (TOC) top of casing

Height of MP Above/Below Land Surface ~3' MP Elevation 5614.87

Total Sounded Depth of Well Below MP 37.76 Water-Level Elevation 5591.26

Held — Depth to Water Below MP 23.101 Diameter of Casing 2 inch / 4 inch

Wet — Water Column in Well 14.15 ille Gallons Pumped/Bailed Prior to Sampling 7

Gallons per Foot 2.264

Gallons in Well 2.26413 Sampling Pump Intake (feet below land surface) —

Purging Equipment bailer 6.792

SAMPLING DATA/FIELD PARAMETERS

| Time | Temperature | pH | Conductivity | TDS | DO | DO% | ORP | Other |
|------|-------------|------|--------------|-----|------|------|-------|-------|
| 1715 | 16.13 | 6.93 | 0.921 | — | 2.50 | 23.8 | -30.2 | 5.75 |
| 1716 | 15.91 | 6.33 | 0.921 | — | 1.45 | 19.4 | -6.1 | 6.0 |
| 1719 | 15.67 | 5.71 | 0.918 | — | 1.48 | 15.0 | 19.9 | 6.75 |

Volume

Sampling Equipment Low Flow Pump / Disposable Bailer

| | | |
|-----------------------|-----------------------|---------------------------------------|
| Constituents Sampled | Container Description | Preservative |
| <u>dissolved iron</u> | <u>16 oz plastic</u> | <u>Filtered & Not Preserved @</u> |
| <u>BT EX</u> | <u>3 VOA</u> | <u>HCl lab prior to analysis</u> |

Remarks —

Sampling Personnel CM & CB

| | | | | |
|----------|----------------|---------------|---------------|-----------|
| Gal./ft. | 1 1/4" = 0.077 | 2" = 0.16 | 3" = 0.37 | 4" = 0.65 |
| | 1 1/2" = 0.10 | 2 1/2" = 0.24 | 3 1/2" = 0.50 | 6" = 1.46 |



WATER SAMPLING FIELD FORM

Project No. Nell Hall 2 of 3

Location Flora Vista, NM

Site/Well No. MW- 5 Coded/ Replicate No. _____ Date 6-9-10

Weather Sunny, hot Time Sampling Began ~~17:00~~ Time Sampling Completed 17:30

EVACUATION DATA

Description of Measuring Pt (MP) Top of casing

Height of MP Above/Below Land Surface _____ MP Elevation 5615.86

Total Sounded Depth of Well Below MP 42.94 Water-Level Elevation 5590.95

Held _____ Depth to Water Below MP 24.91 Diameter of Casing 2 inch / 4 inch

Wet _____ Water Column in Well 18.03 Gallons Pumped/Bailed Prior to Sampling 8.75

Gallons per Foot 1/6

Gallons in Well 2.88 x 3 = 8.65 Sampling Pump Intake (feet below land surface) _____

Purging Equipment bailer

SAMPLING DATA/FIELD PARAMETERS

| Time | Temperature | pH | Conductivity | TDS | DO | DO% | ORP | Other |
|------------------|------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 17:24 | 15.38 | 6.82 | 822 | --- | --- | --- | --- | 7.5 |
| 17:25 | 15.64 | 6.38 | 822 | --- | 7.35 | 73.9 | 94.5 | 7.5 |
| 17:27 | 14.97 | 6.35 | 823 | --- | 7.36 | 72.5 | 118.1 | 8.0 |
| 17:29 | 14.81 | 6.05 | 823 | --- | 7.12 | 70.3 | 141.9 | 8.5 |

Sampling Equipment Low Flow Pump / Disposable Bailer

| | | |
|-----------------------|-----------------------|---|
| Constituents Sampled | Container Description | Preservative |
| <u>dissolved iron</u> | <u>1kg of Plastic</u> | <u>Na-Filtrated & preserved @ lab</u> |
| <u>BTEX</u> | <u>VOA</u> | <u>HCl</u> |

Remarks H₂O is clear, no odor or steen observed

Sampling Personnel CM & CB

| | | | | |
|----------|----------------|---------------|---------------|-----------|
| Gal./ft. | 1 1/4" = 0.077 | 2" = 0.16 | 3" = 0.37 | 4" = 0.65 |
| | 1 1/2" = 0.10 | 2 1/2" = 0.24 | 3 1/2" = 0.50 | 6" = 1.46 |



WATER SAMPLING FIELD FORM

Project No. Nell Hall 3 of 3
 Location Flora Vista, NM
 Site/Well No. MW-60 Coded/Replicate No. 1805 Date 6-9-10
 Weather Sunny, hot 99° Time Sampling Began _____ Time Sampling Completed 1800

EVACUATION DATA

Description of Measuring Pt (MP) Top of casing
 Height of MP Above/Below Land Surface _____ MP Elevation 5615.44
 Total Sounded Depth of Well Below MP 39.45 Water-Level Elevation 5591.01
 Held _____ Depth to Water Below MP 24.43 Diameter of Casing 2 inch / 4 inch
 Wet _____ Water Column in Well 14.02 Gallons Pumped/Bailed Prior to Sampling _____
 Gallons per Foot 116 Sampling Pump Intake (feet below land surface) _____
 Gallons in Well 2,243
 Purging Equipment bailer -6.72

SAMPLING DATA/FIELD PARAMETERS

| Time | Temperature | pH | Conductivity | TDS | DO | DO% | ORP | Other |
|------|-------------|------|--------------|-----|------|------|-------|-------|
| 1756 | 15.49 | 6.91 | 1.139 | — | 1.66 | 10.5 | -44.4 | 5.5 |
| 1758 | 15.50 | 6.71 | 1.132 | — | 1.24 | 12.2 | -39.1 | 6.0 |
| 1759 | 15.46 | 6.59 | 1.125 | — | 1.09 | 10.7 | -35.6 | 6.0 |

Sampling Equipment Low Flow Pump / Disposable Bailer

| Constituents Sampled | Container Description | Preservative |
|----------------------|-----------------------|--|
| <u>dissolve iron</u> | <u>1L of plastic</u> | <u>None - filtered & preserved</u> |
| <u>BTEX</u> | <u>VOA</u> | <u>HCl</u> |

(2) JAS prior to analysis

Remarks _____

Sampling Personnel CM & CB

| Well Casing Volumes | | | |
|---------------------|----------------|---------------|---------------|
| Gal./ft. | 1 1/4" = 0.077 | 2" = 0.16 | 3" = 0.37 |
| | 1 1/2" = 0.10 | 2 1/2" = 0.24 | 3 1/2" = 0.50 |
| | | | 4" = 0.65 |
| | | | 6" = 1.46 |

APPENDIX B
LABORATORY ANALYTICAL REPORTS



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

Certificate of Analysis

April 15, 2010

Workorder: H10040050

Kelly Blanchard
Tetra Tech
6121 Indian School Road NE
Suite 200
Albuquerque, NM 87110

Project: Nell Hall No 1
Project Number: Nell Hall No 1
Site: Flora Vista, NM
PO Number: ENFOS #4513176413
NELAC Cert. No.: T104704205-09-1

This Report Contains A Total Of 15 Pages

Excluding Any Attachments



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

Certificate of Analysis

April 15, 2010

Workorder: H10040050

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Tetra Tech
6121 Indian School Road NE
Suite 200
Albuquerque, NM 87110

Project: Nell Hall No.1
Project Number: Nell Hall No 1
Site: Flora Vista, NM
PO Number: ENFOS #4513176413
NELAC Cert. No.: T104704205-09-1

I. SAMPLE RECEIPT:

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

II: ANALYSES AND EXCEPTIONS:

There were no exceptions noted.

III. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg/kg-dry " or " ug/kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.



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Certificate of Analysis

April 15, 2010

Workorder: H10040050

Kelly Blanchard
Tetra Tech
6121 Indian School Road NE
Suite 200
Albuquerque, NM 87110

Project: Nell Hall No 1
Project Number: Nell Hall No 1
Site: Flora Vista, NM
PO Number: ENFOS #4513176413
NELAC Cert. No.: T104704205-09-1

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or by his designee, as verified by the following signature.

Erica Cardenas, Senior Project Manager

Enclosures



SPL Inc.
8880 Interchange Drive
Houston, TX 77054
Phone: (713) 660-0901
Fax: (713) 660-8975

SAMPLE SUMMARY

Workorder: H10040050 : Nell Hall No 1

Project Number: Nell Hall No 1

| Lab ID | Sample ID | Matrix | COC ID | Date/Time Collected | Date/Time Received |
|--------------|------------|--------|--------|---------------------|--------------------|
| H10040050001 | MW-5 | Water | | 3/31/2010 14:40 | 4/2/2010 09:15 |
| H10040050002 | MW-6 | Water | | 4/1/2010 15:10 | 4/2/2010 09:15 |
| H10040050003 | Trip Blank | Water | | 4/1/2010 15:20 | 4/2/2010 09:15 |



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ANALYTICAL RESULTS

Workorder: H10040050 : Nell Hall No 1

Project Number: Nell Hall No 1

Lab ID: H10040050001

Date/Time Received: 4/2/2010 09:15

Matrix: Water

Sample ID: MW-5

Date/Time Collected: 3/31/2010 14:40

ICP DISSOLVED METALS

Analysis Desc: SW-846 6010B

Preparation Batches:

Batch: 1638 SW-846 3010A on 04/05/2010 17:00 by R_V

Analytical Batches:

Batch: 1334 SW-846 6010B on 04/11/2010 16:51 by EBG

| Parameters | Results | | | | | Batch Information | |
|------------|---------|------|--------------|---------|----|-------------------|---------------|
| | mg/l | Qual | Report Limit | MDL | DF | RegLmt | Prep Analysis |
| Iron | ND | | 0.0200 | 0.00640 | 1 | | 1638 1334 |

VOLATILES

Analysis Desc: SW-846 8260B

SW-846 5030 Analytical Batches:

Batch: 1715 SW-846 8260B on 04/07/2010 16:51 by JMC

| Parameters | Results | | | | | Batch Information | |
|---------------------------|---------|------|--------------|------|----|-------------------|---------------|
| | ug/l | Qual | Report Limit | MDL | DF | RegLmt | Prep Analysis |
| Benzene | ND | | 1.0 | 0.10 | 1 | | 1715 |
| Ethylbenzene | ND | | 1.0 | 0.15 | 1 | | 1715 |
| Toluene | ND | | 1.0 | 0.29 | 1 | | 1715 |
| m,p-Xylene | ND | | 1.0 | 0.18 | 1 | | 1715 |
| o-Xylene | ND | | 1.0 | 0.13 | 1 | | 1715 |
| Xylenes, Total | ND | | 1.0 | 0.13 | 1 | | 1715 |
| 4-Bromofluorobenzene (S) | 91.7 % | | 74-125 | | 1 | | 1715 |
| 1,2-Dichloroethane-d4 (S) | 94.4 % | | 70-130 | | 1 | | 1715 |
| Toluene-d8 (S) | 98.7 % | | 82-118 | | 1 | | 1715 |



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ANALYTICAL RESULTS

Workorder: H10040050 : Nell Hall No 1

Project Number: Nell Hall No 1

Lab ID: H10040050002

Date/Time Received: 4/2/2010 09:15

Matrix: Water

Sample ID: MW-6

Date/Time Collected: 4/1/2010 15:10

VOLATILES

Analysis Desc: SW-846 8260B

SW-846 5030 Analytical Batches:

Batch: 1715 SW-846 8260B on 04/07/2010 17:19 by JMC DF = 1

Batch: 1733 SW-846 8260B on 04/11/2010 21:28 by JMC DF = 5

| Parameters | Results | | | | | Batch Information | |
|---------------------------|---------|------|--------------|------|----|-------------------|---------------|
| | ug/l | Qual | Report Limit | MDL | DF | RegLmt | Prep Analysis |
| Benzene | 480 | | 5.0 | 0.50 | 5 | | 1733 |
| Ethylbenzene | 78 | | 1.0 | 0.15 | 1 | | 1715 |
| Toluene | ND | | 1.0 | 0.29 | 1 | | 1715 |
| m,p-Xylene | 200 | | 1.0 | 0.18 | 1 | | 1715 |
| o-Xylene | ND | | 1.0 | 0.13 | 1 | | 1715 |
| Xylenes, Total | 200 | | 1.0 | 0.13 | 1 | | 1715 |
| 4-Bromofluorobenzene (S) | 93 % | | 74-125 | | 5 | | 1733 |
| 4-Bromofluorobenzene (S) | 101 % | | 74-125 | | 1 | | 1715 |
| 1,2-Dichloroethane-d4 (S) | 85.7 % | | 70-130 | | 1 | | 1715 |
| 1,2-Dichloroethane-d4 (S) | 97.4 % | | 70-130 | | 5 | | 1733 |
| Toluene-d8 (S) | 98.7 % | | 82-118 | | 5 | | 1733 |
| Toluene-d8 (S) | 99.3 % | | 82-118 | | 1 | | 1715 |



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ANALYTICAL RESULTS

Workorder: H10040050 : Nell Hall No 1

Project Number: Nell Hall No 1

Lab ID: H10040050003

Date/Time Received: 4/2/2010 09:15

Matrix: Water

Sample ID: Trip Blank

Date/Time Collected: 4/1/2010 15:20

VOLATILES

| Parameters | Results | | | | | Batch Information | | |
|---------------------------|---------|------|--------------|------|----|-------------------|------|----------|
| | ug/l | Qual | Report Limit | MDL | DF | RegLmt | Prep | Analysis |
| Benzene | ND | | 1.0 | 0.10 | 1 | | | 1715 |
| Ethylbenzene | ND | | 1.0 | 0.15 | 1 | | | 1715 |
| Toluene | ND | | 1.0 | 0.29 | 1 | | | 1715 |
| m,p-Xylene | ND | | 1.0 | 0.18 | 1 | | | 1715 |
| o-Xylene | ND | | 1.0 | 0.13 | 1 | | | 1715 |
| Xylenes, Total | ND | | 1.0 | 0.13 | 1 | | | 1715 |
| 4-Bromofluorobenzene (S) | 99.7 % | | 74-125 | | 1 | | | 1715 |
| 1,2-Dichloroethane-d4 (S) | 95.7 % | | 70-130 | | 1 | | | 1715 |
| Toluene-d8 (S) | 99.1 % | | 82-118 | | 1 | | | 1715 |



QUALITY CONTROL DATA

Workorder: H10040050 : Nell Hall No 1

Project Number: Nell Hall No 1

QC Batch: DIGM/1638 Analysis Method: SW-846 6010B
 QC Batch Method: SW-846 3010A Preparation: 04/05/2010 17:00 by R_V
 Associated Lab Samples: H10040019001 H10040019002 H10040019003 H10040019004 H10040021001 H10040021002
 H10040021003 H10040021004 H10040025001 H10040025002 H10040025003 H10040049001
 H10040049002 H10040049003 H10040049004 H10040050001 H10040051001 H10040051002
 H10040051003 H10040051004

METHOD BLANK: 37509

Analysis Date/Time Analyst: 04/11/2010 13:44 EBG

| Parameter | Units | Blank Result | Qualifiers | Reporting Limit |
|-----------|-------|--------------|------------|-----------------|
| Iron | mg/l | ND | | 0.0200 |

LABORATORY CONTROL SAMPLE: 37510

Analysis Date/Time Analyst: 04/11/2010 13:49 EBG

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits |
|-----------|-------|-------------|------------|-----------|--------------|
| Iron | mg/l | 1.0 | 1.02 | 102 | 80-120 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 37507 37508 Original: H10040025002

MS Analysis Date/Time Analyst: 04/11/2010 14:00 EBG

MSD Analysis Date/Time Analyst: 04/11/2010 14:06 EBG

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD |
|-----------|-------|-----------------|-------------|-----------|------------|----------|-----------|-------------|-----|---------|
| Iron | mg/l | 0.0072 | 1.0 | 1.091 | 1.003 | 109 | 100 | 75-125 | 8.4 | 20 |

QC results presented in the QC Control Data have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



QUALITY CONTROL DATA

Workorder: H10040050 : Nell Hall No 1

Project Number: Nell Hall No 1

QC Batch: MSV/1714 Analysis Method: SW-846 8260B
 QC Batch Method: SW-846 5030 Preparation: 04/07/2010 00:00 by JMC
 Associated Lab Samples: H10040014001 H10040014002 H10040014005 H10040014006 H10040050001 H10040050002
 H10040050003 H10040051001 H10040051002 H10040051003 H10040051004 H10040051005
 H10040051006 H10040057016 H10040057017 H10040057018

METHOD BLANK: 38036

Analysis Date/Time Analyst: 04/07/2010 10:50 JMC

| Parameter | Units | Blank Result | Qualifiers | Reporting Limit |
|---------------------------|-------|--------------|------------|-----------------|
| Benzene | ug/l | ND | | 1.0 |
| Ethylbenzene | ug/l | ND | | 1.0 |
| Toluene | ug/l | ND | | 1.0 |
| m,p-Xylene | ug/l | ND | | 1.0 |
| o-Xylene | ug/l | ND | | 1.0 |
| Xylenes, Total | ug/l | ND | | 1.0 |
| 4-Bromofluorobenzene (S) | % | 94.9 | | 74-125 |
| 1,2-Dichloroethane-d4 (S) | % | 96.8 | | 70-130 |
| Toluene-d8 (S) | % | 99.8 | | 82-118 |

LABORATORY CONTROL SAMPLE: 38037

Analysis Date/Time Analyst: 04/07/2010 10:23 JMC

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits |
|---------------------------|-------|-------------|------------|-----------|--------------|
| Benzene | ug/l | 20 | 19.7 | 98.5 | 74-123 |
| Ethylbenzene | ug/l | 20 | 20.0 | 100 | 72-127 |
| Toluene | ug/l | 20 | 19.2 | 96.1 | 74-126 |
| m,p-Xylene | ug/l | 40 | 40.2 | 100 | 71-129 |
| o-Xylene | ug/l | 20 | 20.0 | 100 | 74-130 |
| Xylenes, Total | ug/l | 60 | 60.19 | 100 | 71-130 |
| 4-Bromofluorobenzene (S) | % | | | 100 | 74-125 |
| 1,2-Dichloroethane-d4 (S) | % | | | 93.8 | 70-130 |
| Toluene-d8 (S) | % | | | 100 | 82-118 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 38042 38043 Original: H10040014002

MS Analysis Date/Time Analyst: 04/07/2010 11:46 JMC

MSD Analysis Date/Time Analyst: 04/07/2010 12:13 JMC

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD |
|--------------|-------|-----------------|-------------|-----------|------------|----------|-----------|-------------|-----|---------|
| Benzene | ug/l | ND | 20 | 20.4 | 20.4 | 102 | 102 | 70-124 | 0.1 | 20 |
| Ethylbenzene | ug/l | ND | 20 | 20.4 | 19.7 | 102 | 98.3 | 35-175 | 3.9 | 20 |

QC results presented in the QC Control Data have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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QUALITY CONTROL DATA

Workorder: H10040050 : Nell Hall No 1

Project Number: Nell Hall No 1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 38042 38043 Original: H10040014002

MS Analysis Date/Time Analyst: 04/07/2010 11:46 JMC

MSD Analysis Date/Time Analyst: 04/07/2010 12:13 JMC

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD |
|---------------------------|-------|-----------------|-------------|-----------|------------|----------|-----------|-------------|-----|---------|
| Toluene | ug/l | ND | 20 | 20.6 | 20.3 | 103 | 101 | 70-131 | 1.4 | 20 |
| m,p-Xylene | ug/l | ND | 40 | 41.9 | 40.0 | 105 | 99.9 | 35-175 | 4.7 | 20 |
| o-Xylene | ug/l | ND | 20 | 21.4 | 19.8 | 107 | 98.8 | 35-175 | 8.0 | 20 |
| Xylenes, Total | ug/l | ND | 60 | 63.3 | 59.75 | 106 | 99.6 | 35-175 | 5.8 | 20 |
| 4-Bromofluorobenzene (S) | % | 92.8 | | | | 103 | 95.5 | 74-125 | | 30 |
| 1,2-Dichloroethane-d4 (S) | % | 97.3 | | | | 96.1 | 97.2 | 70-130 | | 30 |
| Toluene-d8 (S) | % | 98 | | | | 100 | 99.9 | 82-118 | | 30 |

QC results presented in the QC Control Data have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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QUALITY CONTROL DATA

Workorder: H10040050 : Nell Hall No 1

Project Number: Nell Hall No 1

QC Batch: MSV/1732 Analysis Method: SW-846 8260B
 QC Batch Method: SW-846 5030 Preparation: 04/11/2010 00:00 by JMC
 Associated Lab Samples: H10040050002 H10040051002 H10040051003 H10040051005 H10040157001 H10040157002
 H10040157003 H10040157004 H10040163001 H10040163002 H10040163003

METHOD BLANK: 38623

Analysis Date/Time Analyst: 04/11/2010 15:30 JMC

| Parameter | Units | Blank Result | Qualifiers | Reporting Limit |
|---------------------------|-------|--------------|------------|-----------------|
| Benzene | ug/l | ND | | 1.0 |
| 4-Bromofluorobenzene (S) | % | 89.9 | | 74-125 |
| 1,2-Dichloroethane-d4 (S) | % | 98.5 | | 70-130 |
| Toluene-d8 (S) | % | 102 | | 82-118 |

LABORATORY CONTROL SAMPLE: 38624

Analysis Date/Time Analyst: 04/11/2010 15:03 JMC

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits |
|---------------------------|-------|-------------|------------|-----------|--------------|
| Benzene | ug/l | 20 | 20.2 | 101 | 74-123 |
| 4-Bromofluorobenzene (S) | % | | | 95.1 | 74-125 |
| 1,2-Dichloroethane-d4 (S) | % | | | 91.6 | 70-130 |
| Toluene-d8 (S) | % | | | 99.9 | 82-118 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 38625 38626 Original: H10040157001

MS Analysis Date/Time Analyst: 04/11/2010 18:43 JMC

MSD Analysis Date/Time Analyst: 04/11/2010 19:10 JMC

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD |
|---------------------------|-------|-----------------|-------------|-----------|------------|----------|-----------|-------------|-----|---------|
| Benzene | ug/l | ND | 20 | 19.6 | 18.2 | 98.1 | 91.1 | 70-124 | 7.4 | 20 |
| 4-Bromofluorobenzene (S) | % | 94.4 | | | | 95.2 | 96.1 | 74-125 | | 30 |
| 1,2-Dichloroethane-d4 (S) | % | 103 | | | | 92.7 | 93.0 | 70-130 | | 30 |
| Toluene-d8 (S) | % | 98.5 | | | | 98.9 | 99.4 | 82-118 | | 30 |

QC results presented in the QC Control Data have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



Legend

(S) - Indicates analyte is a surrogate

| Qualifier | Qualifier Description |
|-----------|---|
| MI | Matrix Interference |
| I | Estimated value, between MDL and PQL (Florida) |
| JN | The analysis indicates the presence of an analyte |
| C | MTBE results were not confirmed by GCMS |
| NC | Not Calculated - Sample concentration > 4 times the spike |
| * | Recovery/RPD value outside QC limits |
| E | Results exceed calibration range |
| H | Exceeds holding time |
| J | Estimated value |
| Q | Received past holding time |
| B | Analyte detected in the Method Blank |
| N | Recovery outside of control limits |
| D | Recovery out of range due to dilution |
| NC | Not Calculable (Sample Duplicate) |
| P | Pesticide dual column results, greater than 25% |



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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: H10040050 : Nell Hall No 1

Project Number: Nell Hall No 1

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|--------------|------------|-----------------|-----------|-------------------|------------------|
| H10040050001 | MW-5 | SW-846 3010A | DIGM/1638 | SW-846 6010B | ICP/1334 |
| H10040050001 | MW-5 | SW-846 5030 | MSV/1714 | SW-846 8260B | MSV/1715 |
| H10040050002 | MW-6 | SW-846 5030 | MSV/1714 | SW-846 8260B | MSV/1715 |
| H10040050003 | Trip Blank | SW-846 5030 | MSV/1714 | SW-846 8260B | MSV/1715 |
| H10040050002 | MW-6 | SW-846 5030 | MSV/1732 | SW-846 8260B | MSV/1733 |



Sample Receipt Checklist

| | | | |
|---------------|------------------|---------------|-----------|
| WorkOrder: | H10040050 | Received By | LOG |
| Date and Time | 04/02/2010 09:15 | Carrier Name: | FEDEXS |
| Temperature: | 2.3°C | Chilled By: | Water Ice |

1. Shipping container/cooler in good condition? YES
2. Custody seals intact on shipping container/cooler? YES
3. Custody seals intact on sample bottles? Not Present
4. Chain of custody present? YES
5. Chain of custody signed when relinquished and received? YES
6. Chain of custody agrees with sample labels? YES
7. Samples in proper container/bottle? YES
8. Samples containers intact? YES
9. Sufficient sample volume for indicated test? YES
10. All samples received within holding time? YES
11. Container/Temp Blank temperature in compliance? YES
12. Water - VOA vials have zero headspace? YES
13. Water - Preservation checked upon receipt(except VOA*)? Not Applicable

*VOA Preservation Checked After Sample Analysis

SPL Representative:
Client Name Contacted:
Client Instructions:

Contact Date & Time:



Analyse Request & Chain of Custody Record

SPL, Inc.



H10040050

290942

Client Name: Tejas Reddy / Connor Phillips
 Address: 192 Indian School Rd #200
 City: Albuquerque State: NM Zip: 87110
 Phone/Fax: 505-267-8440
 Client Contact: Kelly Blanchard Email: kellyblanchard@ch2m.com
 Project Name/No.: Neil Hall No. 1
 Site Name: _____
 Site Location: Flora Vista, NM
 Invoice To: CONDO #451376413 P#: _____
 SAMPLE ID _____ DATE _____ TIME _____ comp _____ grab _____

| SAMPLE ID | DATE | TIME | comp | grab | matrix | bottle | size | pres. | Number of Containers | Requested Analysis |
|-----------|---------|------|------|------|--------|--------|------|-------|----------------------|--------------------|
| MU-5 | 3-31-10 | 1440 | | | W | N | 40 | 1 | 3 | X |
| MU-5 | 3-31-10 | 1440 | | | W | P | 16 | 1 | 1 | X |
| MU-6 | 4-1-10 | 1510 | | | W | V | 40 | 1 | 2 | X |
| TRP BANK | 4-1-10 | 1520 | | | W | V | 40 | 1 | 2 | X |

Client/Consultant Remarks: _____ Laboratory remarks: _____

Requested TMT
 1 Business Day Contract
 2 Business Days Standard
 3 Business Days
 Other _____

Special Reporting Requirements Results: Fax Email P/P LA RECAP

Special Detection Limits (specify): _____

1. Relinquished by: [Signature] date: 4-1-10 time: 1600
 2. Received by: _____
 3. Relinquished by: _____ date: _____ time: _____
 4. Received by: _____ date: 4/2/10 time: 0915

Intact? YES
 Temp: 25°C
 P/M review: (initials) BYON

Rush TMT requires prior notice

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 459 Hughes Drive Traverse City, MI 49686 (231) 947-5777



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Certificate of Analysis

June 25, 2010

Workorder: H10060284

Cassandra Brown
Tetra Tech, Inc.
6121 Indian School Road NE
Suite 200
Albuquerque, NM 87110

Project: Nell Hall No. 1
Project Number: Nell Hall No. 1
Site: Flora Vista, NM
PO Number: ENFOS
NELAC Cert. No.: T104704205-09-1

This Report Contains A Total Of 17 Pages

Excluding Any Attachments



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Certificate of Analysis

June 25, 2010

Workorder: H10060284

Cassandra Brown
Tetra Tech, Inc.
6121 Indian School Road NE
Suite 200
Albuquerque, NM 87110

Project: Nell Hall No. 1
Project Number: Nell Hall No. 1
Site: Flora Vista, NM
PO Number: ENFOS
NELAC Cert. No.: T104704205-09-1

I. SAMPLE RECEIPT:

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

II: ANALYSES AND EXCEPTIONS:

Per the Conoco Phillips TSM Revision 0, a copy of the internal chain of custody is to be included in final data package. However, due to LIMS limitations, this cannot be provided at this time.

There were no exceptions noted.

III. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg/kg-dry " or " ug/kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.



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Certificate of Analysis

June 25, 2010

Workorder: H10060284

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Tetra Tech, Inc.
6121 Indian School Road NE
Suite 200
Albuquerque, NM 87110

Project: Nell Hall No. 1
Project Number: Nell Hall No. 1
Site: Flora Vista, NM
PO Number: ENFOS
NELAC Cert. No.: T104704205-09-1

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or by his designee, as verified by the following signature.

Erica Cardenas, Senior Project Manager

Enclosures



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SAMPLE SUMMARY

Workorder: H10060284 : Nell Hall No. 1

Project Number: Nell Hall No. 1

| Lab ID | Sample ID | Matrix | COC ID | Date/Time Collected | Date/Time Received |
|--------------|------------|--------|--------|---------------------|--------------------|
| H10060284001 | MW-4 | Water | | 6/9/2010 17:20 | 6/11/2010 09:15 |
| H10060284002 | MW-5 | Water | | 6/9/2010 17:30 | 6/11/2010 09:15 |
| H10060284003 | MW-6 | Water | | 6/9/2010 18:00 | 6/11/2010 09:15 |
| H10060284004 | Duplicate | Water | | 6/9/2010 18:05 | 6/11/2010 09:15 |
| H10060284005 | Trip Blank | Water | | 6/10/2010 18:20 | 6/11/2010 09:15 |



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ANALYTICAL RESULTS

Workorder: H10060284 : Nell Hall No. 1

Project Number: Nell Hall No. 1

Lab ID: H10060284001

Date/Time Received: 6/11/2010 09:15

Matrix: Water

Sample ID: MW-4

Date/Time Collected: 6/9/2010 17:20

ICP DISSOLVED METALS

| Parameters | Results | | | | | Batch Information | |
|------------|---------|------|--------------|---------|----|-------------------|---------------|
| | mg/l | Qual | Report Limit | MDL | DF | RegLmt | Prep Analysis |
| Iron | ND | | 0.0200 | 0.00640 | 1 | | 1822 1461 |

VOLATILES

| Parameters | Results | | | | | Batch Information | |
|---------------------------|---------|------|--------------|------|----|-------------------|---------------|
| | ug/l | Qual | Report Limit | MDL | DF | RegLmt | Prep Analysis |
| Benzene | ND | | 1.0 | 0.10 | 1 | | 2055 |
| Ethylbenzene | ND | | 1.0 | 0.15 | 1 | | 2055 |
| Toluene | ND | | 1.0 | 0.29 | 1 | | 2055 |
| m,p-Xylene | ND | | 1.0 | 0.18 | 1 | | 2055 |
| o-Xylene | ND | | 1.0 | 0.13 | 1 | | 2055 |
| Xylenes, Total | ND | | 1.0 | 0.13 | 1 | | 2055 |
| 4-Bromofluorobenzene (S) | 88.2 % | | 74-125 | | 1 | | 2055 |
| 1,2-Dichloroethane-d4 (S) | 87.6 % | | 70-130 | | 1 | | 2055 |
| Toluene-d8 (S) | 105 % | | 82-118 | | 1 | | 2055 |



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ANALYTICAL RESULTS

Workorder: H10060284 : Nell Hall No. 1

Project Number: Nell Hall No. 1

Lab ID: H10060284002

Date/Time Received: 6/11/2010 09:15 Matrix: Water

Sample ID: MW-5

Date/Time Collected: 6/9/2010 17:30

ICP DISSOLVED METALS

Analysis Desc: SW-846 6010B

Preparation Batches:

Batch: 1822 SW-846 3010A on 06/11/2010 13:30 by R_V

Analytical Batches:

Batch: 1461 SW-846 6010B on 06/21/2010 17:53 by EBG

| Parameters | Results | | | | | Batch Information | |
|------------|---------|------|--------------|---------|----|-------------------|---------------|
| | mg/l | Qual | Report Limit | MDL | DF | RegLmt | Prep Analysis |
| Iron | ND | | 0.0200 | 0.00640 | 1 | | 1822 1461 |

VOLATILES

Analysis Desc: SW-846 8260B

SW-846 5030 Analytical Batches:

Batch: 2055 SW-846 8260B on 06/18/2010 00:10 by JMC

| Parameters | Results | | | | | Batch Information | |
|---------------------------|---------|------|--------------|------|----|-------------------|---------------|
| | ug/l | Qual | Report Limit | MDL | DF | RegLmt | Prep Analysis |
| Benzene | ND | | 1.0 | 0.10 | 1 | | 2055 |
| Ethylbenzene | ND | | 1.0 | 0.15 | 1 | | 2055 |
| Toluene | ND | | 1.0 | 0.29 | 1 | | 2055 |
| m,p-Xylene | ND | | 1.0 | 0.18 | 1 | | 2055 |
| o-Xylene | ND | | 1.0 | 0.13 | 1 | | 2055 |
| Xylenes, Total | ND | | 1.0 | 0.13 | 1 | | 2055 |
| 4-Bromofluorobenzene (S) | 89 % | | 74-125 | | 1 | | 2055 |
| 1,2-Dichloroethane-d4 (S) | 84.3 % | | 70-130 | | 1 | | 2055 |
| Toluene-d8 (S) | 102 % | | 82-118 | | 1 | | 2055 |



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ANALYTICAL RESULTS

Workorder: H10060284 : Nell Hall No. 1

Project Number: Nell Hall No. 1

Lab ID: H10060284003
 Sample ID: MW-6

Date/Time Received: 6/11/2010 09:15 Matrix: Water
 Date/Time Collected: 6/9/2010 18:00

ICP DISSOLVED METALS

| Parameters | Results | | | | | Batch Information | |
|------------|---------|------|--------------|---------|----|-------------------|---------------|
| | mg/l | Qual | Report Limit | MDL | DF | RegLmt | Prep Analysis |
| Iron | 11.4 | | 0.0200 | 0.00640 | 1 | | 1822 1461 |

VOLATILES

| Parameters | Results | | | | | Batch Information | |
|---------------------------|---------|------|--------------|------|----|-------------------|---------------|
| | ug/l | Qual | Report Limit | MDL | DF | RegLmt | Prep Analysis |
| Benzene | 710 | | 50 | 5.0 | 50 | | 2057 |
| Ethylbenzene | 420 | | 50 | 7.6 | 50 | | 2057 |
| Toluene | ND | | 1.0 | 0.29 | 1 | | 2055 |
| m,p-Xylene | 520 | | 50 | 9.2 | 50 | | 2057 |
| o-Xylene | ND | | 1.0 | 0.13 | 1 | | 2055 |
| Xylenes, Total | 520 | | 1.0 | 0.13 | 50 | | 2057 |
| 4-Bromofluorobenzene (S) | 95.3 % | | 74-125 | | 50 | | 2057 |
| 4-Bromofluorobenzene (S) | 95.8 % | | 74-125 | | 1 | | 2055 |
| 1,2-Dichloroethane-d4 (S) | 78.7 % | | 70-130 | | 1 | | 2055 |
| 1,2-Dichloroethane-d4 (S) | 84.9 % | | 70-130 | | 50 | | 2057 |
| Toluene-d8 (S) | 100 % | | 82-118 | | 50 | | 2057 |
| Toluene-d8 (S) | 105 % | | 82-118 | | 1 | | 2055 |



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ANALYTICAL RESULTS

Workorder: H10060284 : Nell Hall No. 1

Project Number: Nell Hall No. 1

Lab ID: H10060284004

Date/Time Received: 6/11/2010 09:15

Matrix: Water

Sample ID: Duplicate

Date/Time Collected: 6/9/2010 18:05

VOLATILES

Analysis Desc: SW-846-8260B

SW-846 5030 Analytical Batches:

Batch: 2055 SW-846-8260B on 06/18/2010 01:05 by JMC DF = 1

Batch: 2057 SW-846-8260B on 06/18/2010 13:07 by JMC DF = 50

| Parameters | Results | | | | | Batch Information | |
|---------------------------|---------|------|--------------|------|----|-------------------|---------------|
| | ug/l | Qual | Report Limit | MDL | DF | RegLmt | Prep Analysis |
| Benzene | 780 | | 50 | 5.0 | 50 | | 2057 |
| Ethylbenzene | 440 | | 50 | 7.6 | 50 | | 2057 |
| Toluene | ND | | 1.0 | 0.29 | 1 | | 2055 |
| m,p-Xylene | 570 | | 50 | 9.2 | 50 | | 2057 |
| o-Xylene | ND | | 1.0 | 0.13 | 1 | | 2055 |
| Xylenes, Total | 570 | | 1.0 | 0.13 | 50 | | 2057 |
| 4-Bromofluorobenzene (S) | 96 % | | 74-125 | | 1 | | 2055 |
| 4-Bromofluorobenzene (S) | 96.7 % | | 74-125 | | 50 | | 2057 |
| 1,2-Dichloroethane-d4 (S) | 76.7 % | | 70-130 | | 1 | | 2055 |
| 1,2-Dichloroethane-d4 (S) | 86.4 % | | 70-130 | | 50 | | 2057 |
| Toluene-d8 (S) | 101 % | | 82-118 | | 50 | | 2057 |
| Toluene-d8 (S) | 106 % | | 82-118 | | 1 | | 2055 |



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ANALYTICAL RESULTS

Workorder: H10060284 : Nell Hall No. 1

Project Number: Nell Hall No. 1

Lab ID: H10060284005

Date/Time Received: 6/11/2010 09:15 Matrix: Water

Sample ID: Trip Blank

Date/Time Collected: 6/10/2010 18:20

VOLATILES

Analysis Desc: SW-846 8260B

SW-846 5030 Analytical Batches:

Batch: 2055 SW-846 8260B on 06/18/2010 01:33 by JMC

| Parameters | Results | | | | | Batch Information | |
|---------------------------|---------|------|--------------|------|----|-------------------|---------------|
| | ug/l | Qual | Report Limit | MDL | DF | RegLmt | Prep Analysis |
| Benzene | ND | | 1.0 | 0.10 | 1 | | 2055 |
| Ethylbenzene | ND | | 1.0 | 0.15 | 1 | | 2055 |
| Toluene | ND | | 1.0 | 0.29 | 1 | | 2055 |
| m,p-Xylene | ND | | 1.0 | 0.18 | 1 | | 2055 |
| o-Xylene | ND | | 1.0 | 0.13 | 1 | | 2055 |
| Xylenes, Total | ND | | 1.0 | 0.13 | 1 | | 2055 |
| 4-Bromofluorobenzene (S) | 98.5 % | | 74-125 | | 1 | | 2055 |
| 1,2-Dichloroethane-d4 (S) | 83.8 % | | 70-130 | | 1 | | 2055 |
| Toluene-d8 (S) | 102 % | | 82-118 | | 1 | | 2055 |



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QUALITY CONTROL DATA

Workorder: H10060284 : Nell Hall No. 1

Project Number: Nell Hall No. 1

QC Batch: DIGM/1822 Analysis Method: SW-846 6010B
 QC Batch Method: SW-846 3010A Preparation: 06/11/2010 13:30 by R_V
 Associated Lab Samples: H10060283001 H10060283002 H10060283003 H10060283004 H10060284001 H10060284002
 H10060284003 H10060286001 H10060286002 H10060286003 H10060286006

METHOD BLANK: 50489

Analysis Date/Time Analyst: 06/21/2010 16:22 EBG

| Parameter | Units | Blank Result | Qualifiers | Reporting Limit |
|-----------|-------|--------------|------------|-----------------|
| Iron | mg/l | ND | | 0.0200 |

LABORATORY CONTROL SAMPLE: 50490

Analysis Date/Time Analyst: 06/21/2010 16:28 EBG

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits |
|-----------|-------|-------------|------------|-----------|--------------|
| Iron | mg/l | 1.0 | 0.9602 | 96.0 | 80-120 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 50491 50492 Original: H10060283004

MS Analysis Date/Time Analyst: 06/21/2010 16:40 EBG

MSD Analysis Date/Time Analyst: 06/21/2010 16:46 EBG

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD |
|-----------|-------|-----------------|-------------|-----------|------------|----------|-----------|-------------|-----|---------|
| Iron | mg/l | 1.34 | 1.0 | 2.20 | 2.222 | 86.1 | 88.3 | 75-125 | 1.0 | 20 |

QC results presented in the QC Control Data have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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QUALITY CONTROL DATA

Workorder: H10060284 : Nell Hall No. 1

Project Number: Nell Hall No. 1

QC Batch: MSV/2054 Analysis Method: SW-846 8260B
 QC Batch Method: SW-846 5030 Preparation: 06/17/2010 00:00 by JMC
 Associated Lab Samples: H10060284001 H10060284002 H10060284003 H10060284004 H10060284005 H10060286001
 H10060286002 H10060286003 H10060286004

METHOD BLANK: 51692

Analysis Date/Time Analyst: 06/17/2010 18:07 JMC

| Parameter | Units | Blank Result | Qualifiers | Reporting Limit |
|---------------------------|-------|--------------|------------|-----------------|
| Benzene | ug/l | ND | | 1.0 |
| Ethylbenzene | ug/l | ND | | 1.0 |
| Toluene | ug/l | ND | | 1.0 |
| m,p-Xylene | ug/l | ND | | 1.0 |
| o-Xylene | ug/l | ND | | 1.0 |
| Xylenes, Total | ug/l | ND | | 1.0 |
| 4-Bromofluorobenzene (S) | % | 89.9 | | 74-125 |
| 1,2-Dichloroethane-d4 (S) | % | 84.5 | | 70-130 |
| Toluene-d8 (S) | % | 103 | | 82-118 |

LABORATORY CONTROL SAMPLE: 51693

Analysis Date/Time Analyst: 06/17/2010 17:39 JMC

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits |
|---------------------------|-------|-------------|------------|-----------|--------------|
| Benzene | ug/l | 20 | 17.1 | 85.3 | 74-123 |
| Ethylbenzene | ug/l | 20 | 20.6 | 103 | 72-127 |
| Toluene | ug/l | 20 | 22.6 | 113 | 74-126 |
| m,p-Xylene | ug/l | 40 | 41.5 | 104 | 71-129 |
| o-Xylene | ug/l | 20 | 21.2 | 106 | 74-130 |
| Xylenes, Total | ug/l | 60 | 62.76 | 105 | 71-130 |
| 4-Bromofluorobenzene (S) | % | | | 99.4 | 74-125 |
| 1,2-Dichloroethane-d4 (S) | % | | | 81.7 | 70-130 |
| Toluene-d8 (S) | % | | | 105 | 82-118 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 51694 51695 Original: H10060398003

MS Analysis Date/Time Analyst: 06/17/2010 21:23 JMC

MSD Analysis Date/Time Analyst: 06/17/2010 21:51 JMC

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD |
|--------------|-------|-----------------|-------------|-----------|------------|----------|-----------|-------------|-----|---------|
| Benzene | ug/l | 1 | 20 | 17.3 | 17.3 | 86.3 | 86.4 | 70-124 | 0.1 | 20 |
| Ethylbenzene | ug/l | 1 | 20 | 20.5 | 20.1 | 102 | 101 | 35-175 | 1.6 | 20 |
| Toluene | ug/l | 1 | 20 | 22.3 | 22.6 | 112 | 113 | 70-131 | 1.3 | 20 |

QC results presented in the QC Control Data have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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QUALITY CONTROL DATA

Workorder: H10060284 : Nell Hall No. 1

Project Number: Nell Hall No. 1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 51694 51695 Original: H10060398003

MS Analysis Date/Time Analyst: 06/17/2010 21:23 JMC

MSD Analysis Date/Time Analyst: 06/17/2010 21:51 JMC

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD |
|---------------------------|-------|-----------------|-------------|-----------|------------|----------|-----------|-------------|-----|---------|
| m,p-Xylene | ug/l | 1 | 40 | 41.7 | 40.8 | 104 | 102 | 35-175 | 2.2 | 20 |
| o-Xylene | ug/l | 1 | 20 | 21.0 | 20.8 | 105 | 104 | 35-175 | 0.6 | 20 |
| Xylenes, Total | ug/l | 1 | 60 | 62.69 | 61.65 | 104 | 103 | 35-175 | 1.7 | 20 |
| 4-Bromofluorobenzene (S) | % | ND | | | | 99.8 | 99.7 | 74-125 | | 30 |
| 1,2-Dichloroethane-d4 (S) | % | ND | | | | 82.9 | 81.4 | 70-130 | | 30 |
| Toluene-d8 (S) | % | ND | | | | 105 | 105 | 82-118 | | 30 |

QC results presented in the QC Control Data have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



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QUALITY CONTROL DATA

Workorder: H10060284 : Nell Hall No. 1

Project Number: Nell Hall No. 1

QC Batch: MSV/2056 Analysis Method: SW-846 8260B
 QC Batch Method: SW-846 5030 Preparation: 06/18/2010 00:00 by JMC
 Associated Lab Samples: H10060283001 H10060283002 H10060283003 H10060283004 H10060283005 H10060284003
 H10060284004 H10060286005 H10060286006 H10060430001

METHOD BLANK: 51942

Analysis Date/Time Analyst: 06/18/2010 11:15 JMC

| Parameter | Units | Blank Result | Qualifiers | Reporting Limit |
|---------------------------|-------|--------------|------------|-----------------|
| Benzene | ug/l | ND | | 1.0 |
| Ethylbenzene | ug/l | ND | | 1.0 |
| m,p-Xylene | ug/l | ND | | 1.0 |
| Xylenes, Total | ug/l | ND | | 1.0 |
| 4-Bromofluorobenzene (S) | % | 90.6 | | 74-125 |
| 1,2-Dichloroethane-d4 (S) | % | 83.1 | | 70-130 |
| Toluene-d8 (S) | % | 103 | | 82-118 |

LABORATORY CONTROL SAMPLE: 51943

Analysis Date/Time Analyst: 06/18/2010 10:48 JMC

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits |
|---------------------------|-------|-------------|------------|-----------|--------------|
| Benzene | ug/l | 20 | 16.7 | 83.6 | 74-123 |
| Ethylbenzene | ug/l | 20 | 20.1 | 101 | 72-127 |
| m,p-Xylene | ug/l | 40 | 40.4 | 101 | 71-129 |
| Xylenes, Total | ug/l | 60 | 61.34 | 102 | 71-130 |
| 4-Bromofluorobenzene (S) | % | | | 98.1 | 74-125 |
| 1,2-Dichloroethane-d4 (S) | % | | | 81.3 | 70-130 |
| Toluene-d8 (S) | % | | | 103 | 82-118 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 51944 51945 Original: H10060283005

MS Analysis Date/Time Analyst: 06/18/2010 15:52 JMC

MSD Analysis Date/Time Analyst: 06/18/2010 16:20 JMC

| Parameter | Units | Original Result | Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limit | RPD | Max RPD |
|---------------------------|-------|-----------------|-------------|-----------|------------|----------|-----------|-------------|-----|---------|
| Benzene | ug/l | ND | 20 | 17.3 | 16.6 | 86.3 | 82.8 | 70-124 | 4.1 | 20 |
| Ethylbenzene | ug/l | ND | 20 | 19.6 | 19.5 | 97.9 | 97.7 | 35-175 | 0.3 | 20 |
| m,p-Xylene | ug/l | ND | 40 | 39.3 | 39.4 | 98.2 | 98.6 | 35-175 | 0.3 | 20 |
| Xylenes, Total | ug/l | ND | 60 | 59.42 | 59.19 | 99.0 | 98.6 | 35-175 | 0.4 | 20 |
| 4-Bromofluorobenzene (S) | % | 92.6 | | | | 97.8 | 96.5 | 74-125 | | 30 |
| 1,2-Dichloroethane-d4 (S) | % | 85.8 | | | | 81.1 | 82.2 | 70-130 | | 30 |
| Toluene-d8 (S) | % | 102 | | | | 103 | 103 | 82-118 | | 30 |

QC results presented in the QC Control Data have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules. Also, MS/MSD % recoveries are calculated by the SPL LIMS using any detected value greater than the MDL.



Legend

(S) - Indicates analyte is a surrogate

| Qualifier | Qualifier Description |
|-----------|---|
| MI | Matrix Interference |
| I | Estimated value, between MDL and PQL (Florida) |
| JN | The analysis indicates the presence of an analyte |
| C | MTBE results were not confirmed by GCMS |
| NC | Not Calculated - Sample concentration > 4 times the spike |
| * | Recovery/RPD value outside QC limits |
| E | Results exceed calibration range |
| H | Exceeds holding time |
| J | Estimated value |
| Q | Received past holding time |
| B | Analyte detected in the Method Blank |
| N | Recovery outside of control limits |
| D | Recovery out of range due to dilution |
| NC | Not Calculable (Sample Duplicate) |
| P | Pesticide dual column results, greater than 25% |
| TNTC | Too numerous to count |



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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: H10060284 : Nell Hall No. 1

Project Number: Nell Hall No. 1

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|--------------|------------|-----------------|-----------|-------------------|------------------|
| H10060284001 | MW-4 | SW-846 3010A | DIGM/1822 | SW-846 6010B | ICP/1461 |
| H10060284002 | MW-5 | SW-846 3010A | DIGM/1822 | SW-846 6010B | ICP/1461 |
| H10060284003 | MW-6 | SW-846 3010A | DIGM/1822 | SW-846 6010B | ICP/1461 |
| H10060284001 | MW-4 | SW-846 5030 | MSV/2054 | SW-846 8260B | MSV/2055 |
| H10060284002 | MW-5 | SW-846 5030 | MSV/2054 | SW-846 8260B | MSV/2055 |
| H10060284003 | MW-6 | SW-846 5030 | MSV/2054 | SW-846 8260B | MSV/2055 |
| H10060284004 | Duplicate | SW-846 5030 | MSV/2054 | SW-846 8260B | MSV/2055 |
| H10060284005 | Trip Blank | SW-846 5030 | MSV/2054 | SW-846 8260B | MSV/2055 |
| H10060284003 | MW-6 | SW-846 5030 | MSV/2056 | SW-846 8260B | MSV/2057 |
| H10060284004 | Duplicate | SW-846 5030 | MSV/2056 | SW-846 8260B | MSV/2057 |



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Sample Receipt Checklist

| | | | |
|---------------|------------------|---------------|-----------|
| WorkOrder: | H10060284 | Received By | LOG |
| Date and Time | 06/11/2010 09:15 | Carrier Name: | FEDEXS |
| Temperature: | 3.0°C | Chilled By: | Water Ice |

1. Shipping container/cooler in good condition? YES
2. Custody seals intact on shipping container/cooler? YES
3. Custody seals intact on sample bottles? Not Present
4. Chain of custody present? YES
5. Chain of custody signed when relinquished and received? YES
6. Chain of custody agrees with sample labels? NO
COC indicates that the Trip Blank was collected on 6/11/10 at 8:20 but since the cooler was received on 6/11/10 that is not possible. Logged in 6/10/10 at 8:20 as collection date and time for Trip Blank. Trip Blank was supplied by SPL
7. Samples in proper container/bottle? YES
8. Samples containers intact? YES
9. Sufficient sample volume for indicated test? YES
10. All samples received within holding time? YES
11. Container/Temp Blank temperature in compliance? YES
12. Water - VOA vials have zero headspace? YES
13. Water - Preservation checked upon receipt(except VOA*)? Not Applicable

*VOA Preservation Checked After Sample Analysis

SPL Representative:
Client Name Contacted:
Client Instructions:

Contact Date & Time:



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Analysis Request & Chain of Custody Record

SPL, Inc.

H10060284



260412

Client Name: Tetra Tech / Conoco Phillips
 Address: 6121 Indian School Rd NE #200
 City: APD State: NY Zip: 87110
 Phone/Fax: 505-237-8440 505-237-8456
 Client Contact: Kelly Blanchard Email: kblanchard@tetra.com
 Project Name/No.: Well Hall No.1
 Site Name: _____
 Site Location: Flora Vista NY
 Invoice To: Conoco Phillips P#: _____
 SAMPLE ID: _____ DATE: _____ TIME: _____ comp: _____ grab: _____

| SAMPLE ID | DATE | TIME | comp | grab | matrix | bottle | size | pres. | Number of Containers | Requested Analysis |
|----------------------|---------|------|------|------|--------|--------|------|-------|----------------------|--------------------|
| MU-4 | 6.9.10 | 1720 | | | W | V | 40 | 1 | 3 | X |
| MU-4 | 6.9.10 | 1720 | | | W | V | 16 | 0 | 1 | X |
| MU-5 | 6.9.10 | 1730 | | | W | V | 40 | 1 | 3 | X |
| MU-5 | 6.9.10 | 1730 | | | W | V | 16 | 0 | 1 | X |
| MU-6 | 6.9.10 | 1800 | | | W | V | 40 | 1 | 3 | X |
| MU-6 | 6.9.10 | 1800 | | | W | V | 16 | 0 | 1 | X |
| MU-6 | 6.9.10 | 1805 | | | W | V | 40 | 1 | 3 | X |
| MU-6 | 6.9.10 | 1805 | | | W | V | 16 | 0 | 1 | X |
| Duplicate Trip Blank | 6.10.10 | 0820 | | | W | V | 40 | 1 | 3 | X |

Client/Consultant Remarks: please filter in preserve metals container before analysis

Requested TAT: 1 Business Day Contract 2 Business Days Standard 3 Business Days Other _____

Special Reporting Requirements Results: Level 3 QC Level 4 QC TVTRP LA RECAP Email PPF Special Detection Limits (specify): _____

Supervisor: _____ Analyst: _____

Received by: _____ date: 6.10.10 time: 0830

Received by: _____ date: 6.10.10 time: 0915

Intact? Yes No
 Temp: 2.0 Yes No

5. Retrievished by: _____

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 459 Hughes Drive Traverse City, MI 49686 (231) 947-5777