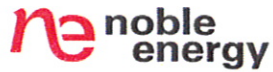


1625 Broadway
Suite 2200.
Denver, CO 80202

Tel: 303.228.4000
Fax: 303.228.4286

www.nobleenergyinc.com



North America Division

October 30, 2012

Mr. Bob Chesson
Department Of Natural Resources
Oil & Gas Conservation Commission
1120 Lincoln St., Suite 801
Denver CO 80203-2136

RE: Ground Water Monitoring Report
Chesnut G22-6
Remediation #5306
API 05-123-17715
Sec. 22, T4N R65W
Weld County, Colorado

Dear Mr. Chesson:

Please find attached quarterly ground water monitoring report for the Chesnut G 22-6. Noble Energy Inc. would like to claim business confidentiality protection for the information submitted in this letter, the supporting materials attached and all previous and subsequent correspondence related to this matter. Please contact the Noble Energy Environmental Department at (720) 587-2026 if you have any questions or require additional information.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jacob Evans'.

Jacob Evans
Senior Environmental Specialist

Attachments



October 19, 2012

Mr. Todd Cullum
Base Construction Foreman
Noble Energy, Inc.
2115 117th Avenue
Greeley, Colorado 80634

Mr. Ryan Bruner
Environmental and Regulatory Supervisor
Noble Energy, Inc.
1625 Broadway, Suite 2200
Denver, Colorado 80202

**RE: Third Quarter 2012 Remediation and Monitoring Summary Report
Chesnut G 22-6 Tank Battery
Weld County, Colorado
COGCC Tracking #1984181 & Remediation #4316**

Dear Mr. Cullum and Mr. Bruner:

LT Environmental, Inc. (LTE), under the direction of Noble Energy, Inc (Noble), conducted corrective actions at the Chesnut G 22-6 Tank Battery (Site) located approximately 0.5 miles south of the intersection of County Road (CR) 44 and CR 43 in Weld County, Colorado (Figure 1).

Site assessment results were previously discussed in the *LTE Environmental Site Assessment Results*, dated April 15, 2009. Noble is continuing groundwater monitoring at the Site to evaluate the previously identified groundwater impact. Phase I of the remediation program, which included source removal, was conducted in December 2008 and summarized in the *LTE Excavation Summary Report*, dated April 2009. LTE, as directed by Noble, has initiated Phase II of the remediation program, which includes an air sparging/soil vapor extraction (AS/SVE) remediation system to mitigate remaining groundwater impact. This report summarizes activities conducted at the Site from June 20, 2012, through October 2, 2012, including operation and maintenance (O&M) of the remediation system, air emissions sampling, and quarterly groundwater monitoring.

Remediation System Description

The AS system is designed to introduce ambient air into the subsurface water column for dissolved hydrocarbon volatilization and to promote aerobic microbial decomposition of petroleum constituents. The SVE system is designed to volatilize petroleum constituents

adsorbed onto soil particles and to remove petroleum vapors released from the groundwater by the AS system. AS and SVE wells are connected to a remediation equipment trailer housing the equipment for the AS/SVE systems (Figures 2 and 3). Additional details of the remediation system were provided in the *LTE Remediation System Installation, Startup, and Groundwater Sampling Results*, dated November 22, 2010.

Remediation System Operations and Maintenance

Remediation system operations (Phase II remediation program) were initiated on August 24, 2010. The remediation system operated approximately 36 percent during the reporting period. System operations were limited during the reporting period due to high temperatures and gas leaks causing generator shutdowns. As a result, LTE initiated the use of a timer to limit operations to low ambient temperature times of the day, which shutdown the system for 8 hours every day. The maximum available runtime during the reporting period was 66 percent. Table 1 provides a summary of system operations.

O&M activities conducted during the reporting period included:

- Completing routine weekly O&M checks to monitor and adjust system performance;
- Testing and analyzing air emissions;
- Changing the generator oil;
- Changing the generator spark plugs;
- Adjusting generator valve overhead clearances;
- Cleaning the generator radiator;
- Finding and fixing gas manifold leak; and
- Troubleshooting the generator.

Soil Vapor Extraction Air Emissions

An air sample was collected in a Tedlar[®] bag from the SVE discharge stack on August 20, 2012. The sample was delivered under strict chain-of-custody (COC) protocol to Origins Laboratory, Inc. (Origins) in Denver, Colorado, for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) and total petroleum hydrocarbons-gasoline range organics (TPH-GRO) by United States Environmental Protection Agency (EPA) Modified Method TO-15. Laboratory analytical results of the air sample collected on August 20, 2012, are summarized in Table 2 and included in Attachment 1.

As of August 20, 2012, approximately 848 pounds of volatile organic compounds (VOCs) have been removed by the SVE system. Air emission calculations through August 20, 2012, are provided in Table 2.

Groundwater Sampling Procedures

Seventeen groundwater monitoring wells (MW01R, MW02, MW04, MW05, MW06, MW07, MW08R, MW09R, MW10, MW11, MW12, MW13, MW15, MW16R, MW17R, MW23R, and MW26) were sampled at the Site on September 18, 2012, to determine the current plume extent.

Prior to sampling each monitoring well, the depth to groundwater was measured and recorded for calculating purge volumes (Table 3). Each well was purged of three well casing volumes prior to collection of groundwater samples. Groundwater samples were collected from the well points by advancing disposable 3/16-inch diameter polyvinyl chloride (PVC) tubing inside the 1-inch and 2-inch diameter PVC well casings and extending the tubing to below the groundwater table. A peristaltic pump was utilized to collect the groundwater samples prior to placement into laboratory-prepared sample bottles. Groundwater samples were collected in 40-milliliter vials, placed on ice in a cooler, and delivered under strict COC protocol to eAnalytics Laboratory of Loveland, Colorado. Samples were analyzed for BTEX by EPA Method 8260C.

Hydrogeology

During the September 2012 monitoring event, the depths to groundwater ranged from 3.32 feet below top of casing (btoc) in MW04 to 11.43 feet btoc in MW09R (Table 3). The groundwater flow direction was predominantly to the east with an average hydraulic gradient of approximately 0.048 feet per foot. A relative groundwater elevation map is provided as Figure 4.

Groundwater Analytical Results

The Colorado Department of Public Health and Environment-Water Quality Control Commission has established Regulation 41-The Basic Standards for Ground Water (WQCC Reg 41) for BTEX at 5.0 micrograms per liter ($\mu\text{g/L}$), 560 $\mu\text{g/L}$, 700 $\mu\text{g/L}$, and 1,400 $\mu\text{g/L}$, respectively. Historical analytical results and analytical results for September 2012 are illustrated on Figure 5 and presented in Table 3. Laboratory analytical reports, laboratory quality assurance/quality control data, and COC documentation are presented in Attachment 2.

Seventeen groundwater samples were collected during the September 2012 monitoring event. Groundwater analytical results indicated benzene was detected exceeding the WQCC Reg 41 in monitoring wells MW01R, MW05, and MW17R at concentrations of 7.1 $\mu\text{g/L}$, 1,249 $\mu\text{g/L}$, and 5.2 $\mu\text{g/L}$, respectively. BTEX compounds were not detected exceeding regulatory standards in the remaining samples.

Groundwater Monitoring Program

Seventeen groundwater monitoring wells (MW01R, MW02, MW04, MW05, MW06, MW07, MW08R, MW09R, MW10, MW11, MW12, MW13, MW15, MW16R, MW17R, MW23R, and MW26) will be sampled to assess remediation progress. Due to attainment of cleanup goals, the Colorado Oil and Gas Conservation Commission (COGCC) approved abandonment of monitoring and remediation wells located in the farmer's field to the east on February 8, 2012. No further monitoring will be conducted on monitoring wells MW18R, MW19R, MW20, MW21, and MW28 through MW32.

Summary and Conclusions

Current data suggests a decrease in BTEX since the AS/SVE system began operation with a decrease of approximately 86 percent in the benzene groundwater plume extent, as depicted on Figure 6. However, elevated concentrations of benzene are still present at the Site (Table 3). Noble will conduct groundwater monitoring in December 2012 to assess remediation system performance. LTE, under the direction of Noble, recommends continued AS/SVE system operation and groundwater monitoring at the Site on a quarterly basis.

LTE appreciates the opportunity to provide environmental services to Noble. Please call us at 303-433-9788 if you have any questions or comments regarding this report.

Sincerely,

LT ENVIRONMENTAL, INC



Liz Houle, E.I.T.
Staff Engineer

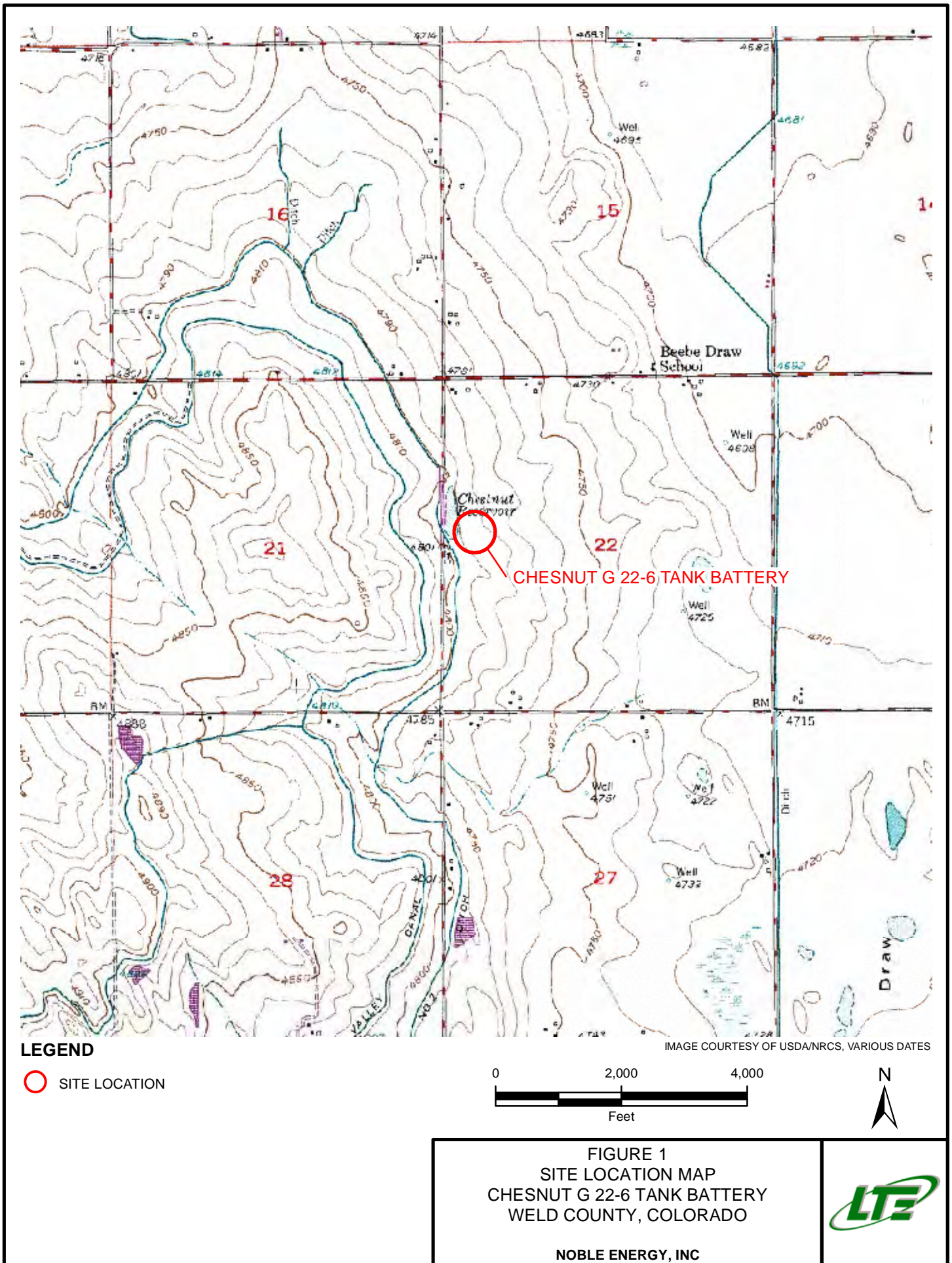


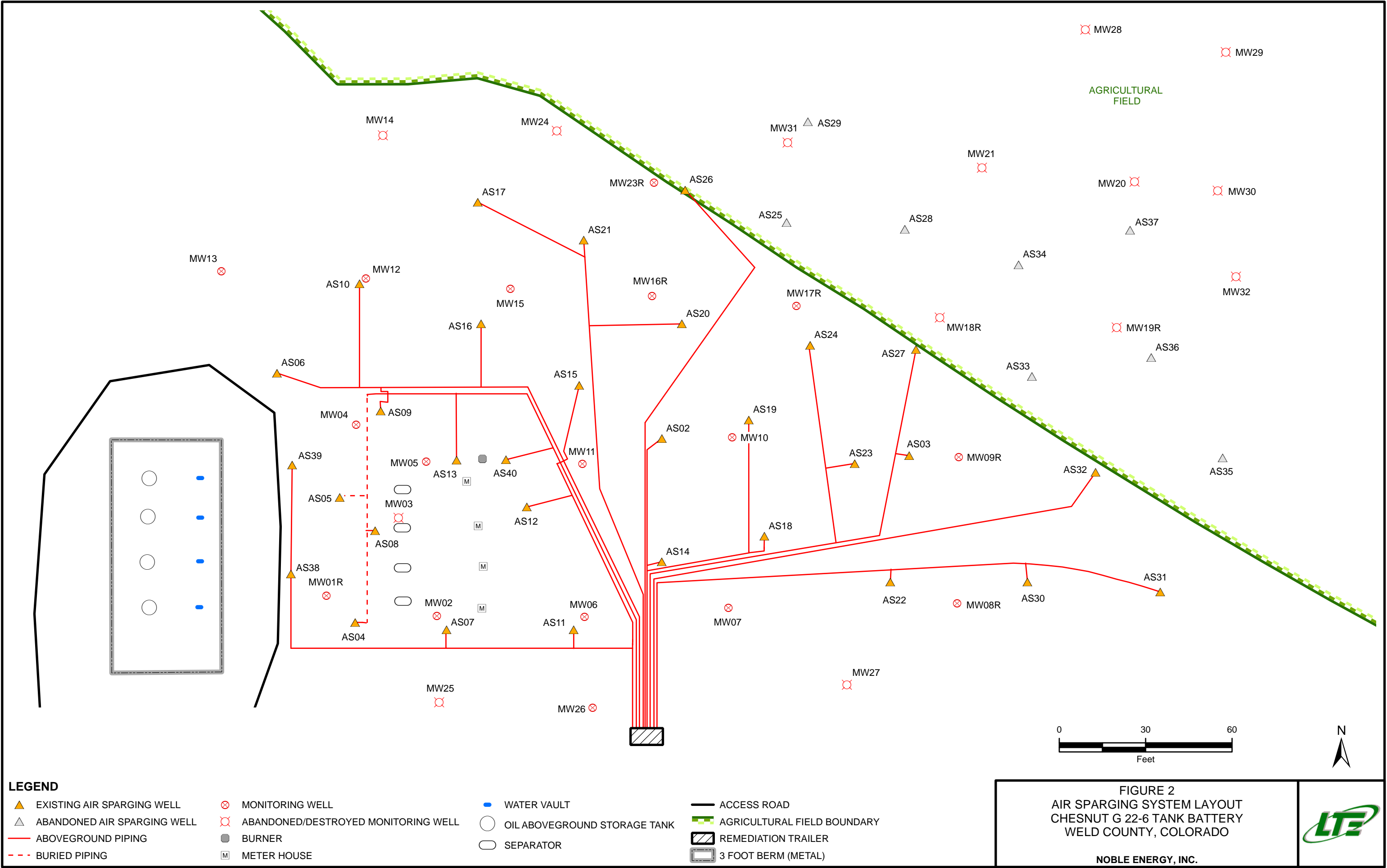
Rob Rebel, P.E.
Project Engineer

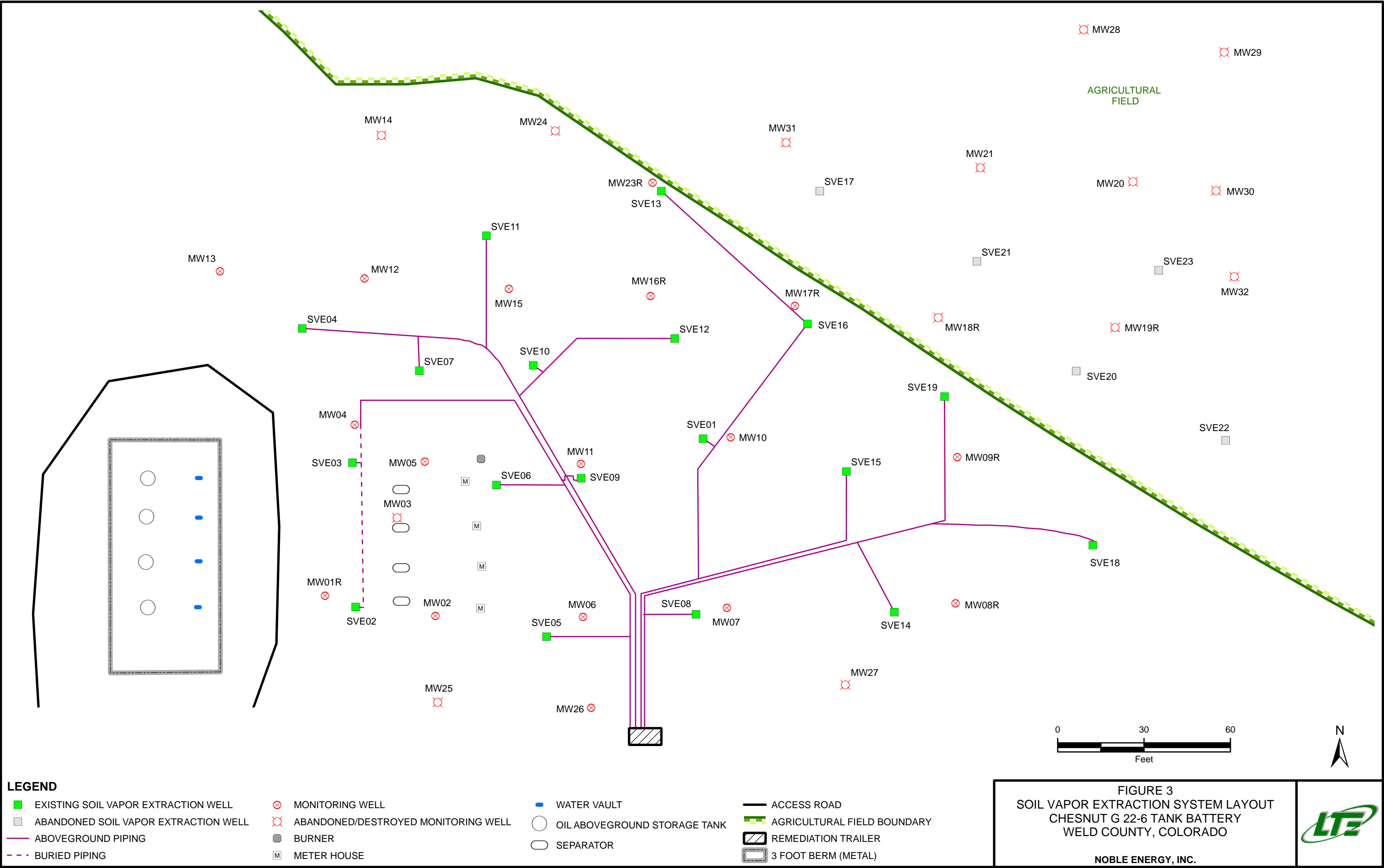
Attachments:

| | |
|--------------|--|
| Figure 1 | Site Location Map |
| Figure 2 | Air Sparging System Layout |
| Figure 3 | Soil Vapor Extraction System Layout |
| Figure 4 | Relative Groundwater Elevation Map |
| Figure 5 | Groundwater Analytical Results |
| Figure 6 | Benzene Groundwater Analytical Results |
| Table 1 | Remediation System Operations Summary |
| Table 2 | Air Emissions Estimate Summary |
| Table 3 | Groundwater Analytical Results |
| Attachment 1 | Air Emissions Laboratory Analytical Report |
| Attachment 2 | Groundwater Laboratory Analytical Report |

FIGURES







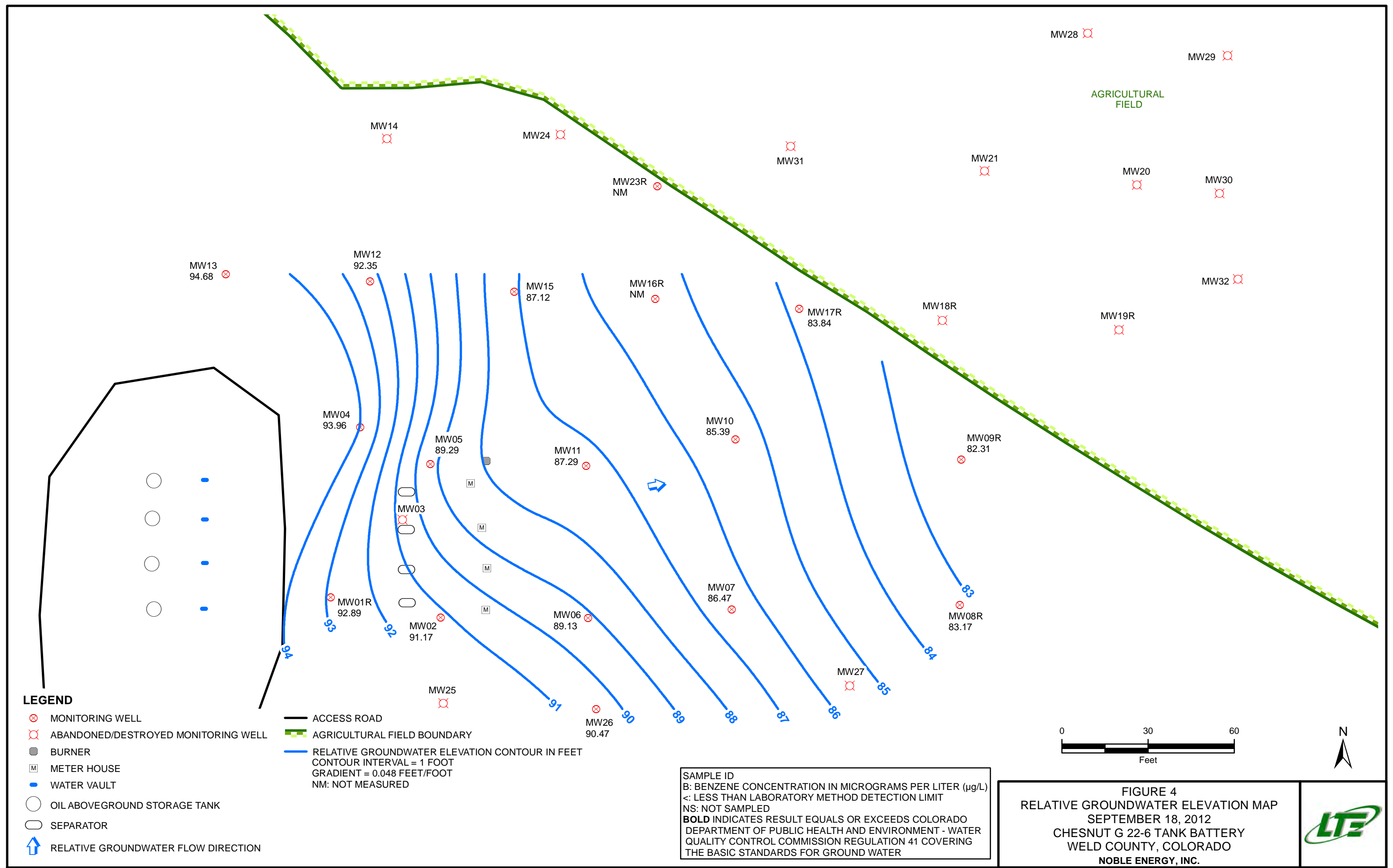
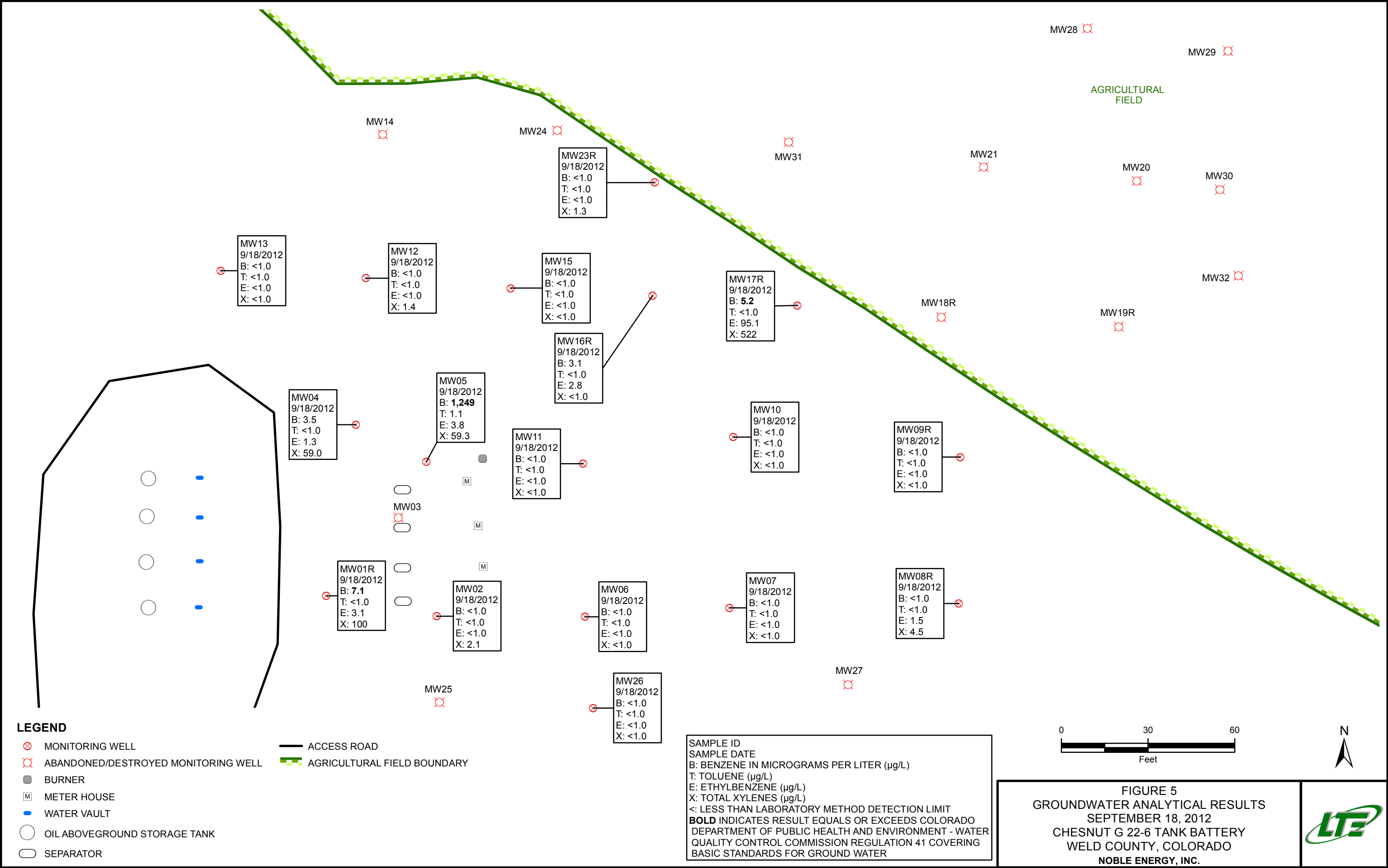
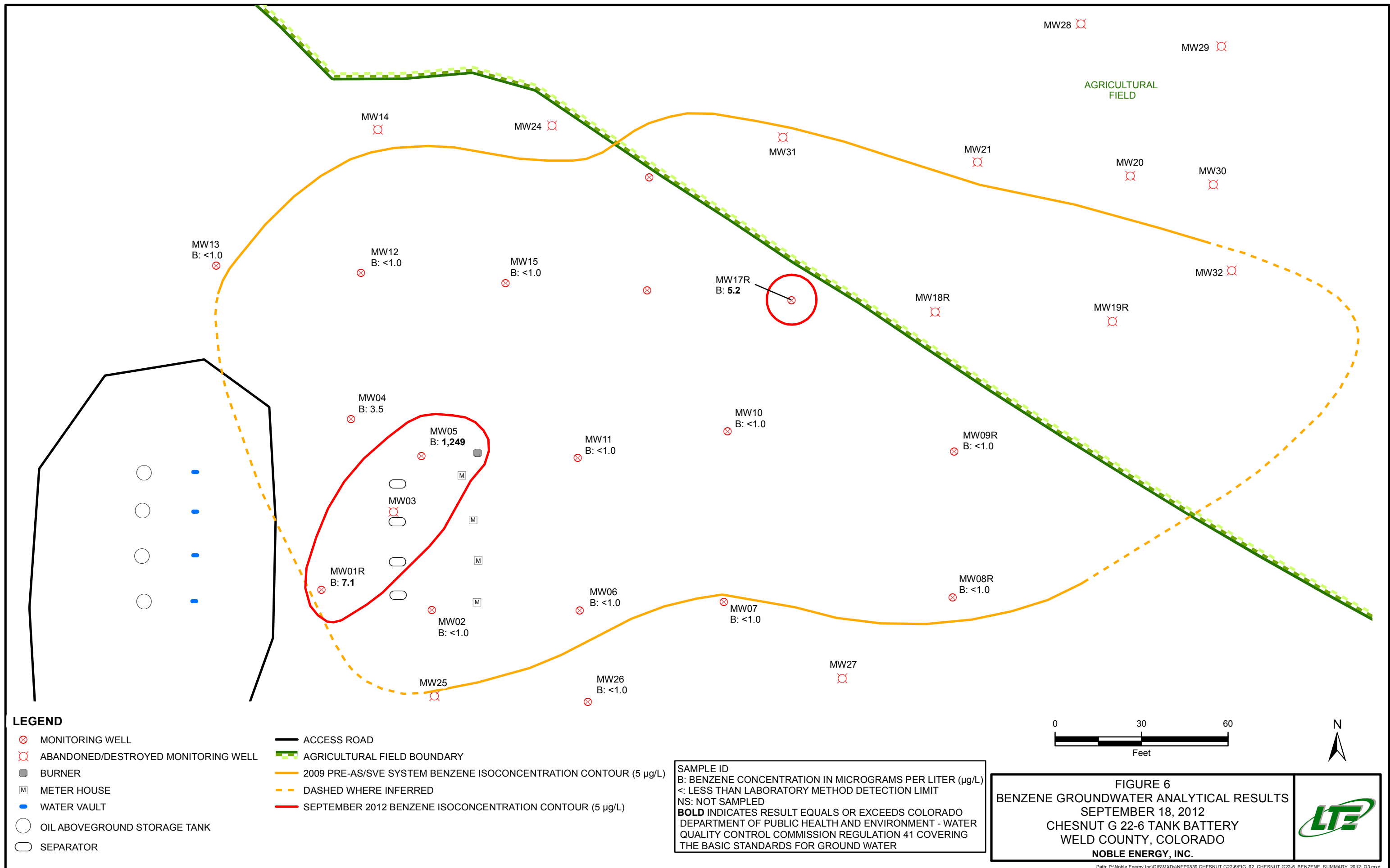


FIGURE 4
RELATIVE GROUNDWATER ELEVATION MAP
SEPTEMBER 18, 2012
CHESNUT G 22-6 TANK BATTERY
WELD COUNTY, COLORADO
NOBLE ENERGY, INC.







TABLES

TABLE 1

REMEDIATION SYSTEM OPERATIONS SUMMARY

**CHESNUT G 22-6 TANK BATTERY
WELD COUNTY, COLORADO
NOBLE ENERGY INC.**

| Date | AS Hours | SVE Hours | Generator Hours | System Status Upon Arrival (On/Off) | Notes |
|------------|-------------|--------------|--------------------|--|---|
| 8/24/2010 | 38.9 | 40.0 | 47.0 | Startup | |
| 9/8/2010 | 396.4 | 397.5 | 404.6 | On | |
| 9/27/2010 | 773.6 | 782.9 | 840.0 | Off | AS high pressure alarm and SVE VFD fault |
| 9/30/2010 | 849.4 | 858.7 | 916.4 | On | |
| 10/21/2010 | 1350.5 | 1359.8 | 1410.1 | On | AS outlet pressure gauge broken |
| 11/10/2010 | 1828.4 | 1837.8 | 1885.6 | On | AS04 flow controls broken |
| 12/1/2010 | 2198.1 | 2231 | 2361.6 | On | |
| 12/2/2010 | 2223.8 | 2256.7 | 2387.4 | On | Troubleshooting pressure problems with AS cycles |
| 12/3/2010 | 2247.0 | 2280.0 | 2410.6 | On | |
| 12/17/2010 | 2582.7 | 2615.7 | 2746.3 | On | |
| 12/20/2010 | 2614.9 | 2647.9 | 2818.3 | Off | |
| 12/30/2010 | 2721.3 | 2879.0 | 3049.5 | Startup | |
| 1/12/2011 | 3012.2 | 3143.5 | 3362.1 | On | |
| 1/17/2011 | 3129.8 | 3217.8 | 3479.7 | On | Repair SVE manifold |
| 1/25/2011 | 3318.8 | 3406.4 | 3664.4 | On | |
| 2/2/2011 | 3511.5 | 3699.1 | 3862 | On | |
| 2/14/2011 | 3529.8 | 3617.4 | 3881.1 | Off | System down since 2/10/2011 due to cold weather |
| 2/18/2011 | 3545.0 | 3712.4 | 3976.2 | On | AS system down due to high pressure alarm |
| 2/25/2011 | 3660.7 | 3879.5 | 4143.3 | On | |
| 3/3/2011 | 3798.7 | 4020.8 | 4284.3 | On | Valve adjustments |
| 3/4/2011 | 3819.5 | 4042.1 | 4305.9 | On | Repair wellheads and apply CLR to problem wells |
| 3/11/2011 | 3988.7 | 4211.3 | 4475.1 | On | |
| 3/18/2011 | 4155.4 | 4377.9 | 4641.4 | On | |
| 3/24/2011 | 4297.4 | 4520.0 | 4783.8 | On | Clean crank case breather; adjust overhead clearances |
| 3/28/2011 | - | - | - | On | Troubleshooting modem |
| 3/31/2011 | 4465.2 | 4687.9 | 4951.7 | On | Change spark plugs |
| 4/7/2011 | 4628.6 | 4851.7 | 5115.5 | On | |
| 4/8/2011 | 4655.0 | 4878.0 | - | On | Grease and oil AS and SVE blowers |
| 4/14/2011 | 476.7 | 5019.7 | 5283.9 | On | Valve adjustments |
| 4/18/2011 | 4919.3 | 5142.3 | 5406.6 | On | |
| 4/26/2011 | 5083.7 | 5306.7 | 5570.4 | On | |
| 4/29/2011 | 5157.9 | 5381.0 | 5645.2 | On | Install new pressure gauges |
| 5/4/2011 | - | - | - | On - SVE Down | SVE system down due to aux #2 alarm |
| 5/6/2011 | - | - | - | On - SVE Down | SVE system down due to aux #2 alarm; troubleshooting SVE |
| 5/9/2011 | - | - | - | Off | Troubleshooting; change spark plugs |
| 5/12/2011 | - | - | - | Off | Troubleshooting |
| 5/17/2011 | - | - | - | Off | Troubleshooting |
| 5/19/2011 | 5321.1 | 5536.6 | 5809.5 | Off | Troubleshooting - anti-sieze compound causing spark plugs to short out |
| 5/20/2011 | 5346.1 | 5536.6 | 5834.5 | On - SVE Down | SVE system down due to aux #2 alarm |
| 5/25/2011 | 5360.1 | 5536.6 | 5848.6 | On - SVE Down | SVE system down due to aux #2 alarm |
| 5/27/2011 | 5405.0 | 5536.6 | 5893.8 | On - SVE Down | SVE system down due to aux #2 alarm |
| 6/1/2011 | - | - | - | On - SVE Down | Troubleshooting SVE |
| 6/2/2011 | 5547.6 | 5538.0 | 6037.1 | On - SVE Down | SVE system down due to aux #2 alarm |
| 6/3/2011 | 5549.3 | 5539.7 | 6060.8 | On - SVE Down | Troubleshooting SVE |
| 6/9/2011 | 5689.9 | 5543.7 | 6201.4 | On - SVE Down | SVE system down due to aux #2 alarm |
| 6/21/2011 | - | - | - | On - SVE Down | Fixed SVE shutdowns by replacing PLC card |
| 6/23/2011 | 6023.0 | 5589.4 | 6534.8 | On | |
| 6/28/2011 | 6099.5 | 5666.0 | 6611.4 | Off | High engine temperature alarm |
| 7/1/2011 | 6135.0 | 5702.5 | 6650.0 | Off | High LEL/remote E stop alarm |
| 7/6/2011 | 6153.8 | 5792.5 | 6740.2 | On | |

**TABLE 1
REMEDATION SYSTEM OPERATIONS SUMMARY**

**CHESNUT G 22-6 TANK BATTERY
WELD COUNTY, COLORADO
NOBLE ENERGY INC.**

| Date | AS Hours | SVE Hours | Generator Hours | System Status Upon Arrival (On/Off) | Notes |
|-------------|---------------------|----------------------|----------------------------|--|--|
| 7/14/2011 | 6292.9 | 5937.7 | 6885.5 | On | |
| 7/19/2011 | 6372.3 | 6011.1 | 6958.9 | Off | High engine temperature alarm |
| 7/28/2011 | 6462.9 | 6101.8 | 7049.6 | On | |
| 8/3/2011 | - | - | - | Off | High engine temperature alarm |
| 8/5/2011 | - | - | - | Off | Troubleshooting generator |
| 8/8/2011 | - | - | - | Off | Troubleshooting generator |
| 8/12/2011 | - | - | - | Off | Troubleshooting generator |
| 8/16/2011 | - | - | - | Off | Troubleshooting generator |
| 8/17/2011 | 6532.9 | 6172.0 | 7120.3 | Off | Replaced diaphragm in carburetor |
| 8/23/2011 | 6629.8 | 6268.9 | 7217.4 | On | Generator did not restart |
| 8/31/2011 | - | - | 7233.6 | Off | Troubleshooting generator |
| 9/14/2011 | 6646.3 | 6285.6 | 7234.3 | Off | Troubleshooting generator |
| 9/27/2011 | 6734.5 | 6374 | 7386 | Off | Troubleshooting generator |
| 10/5/2011 | 6759.5 | 6398.9 | 7450 | Off | High engine temperature alarm |
| 10/10/2011 | 6880.3 | 6519.8 | 7570.9 | On | |
| 10/21/2011 | 7141.1 | 6780.6 | 7831.7 | On | High engine temperature alarm |
| 10/28/2011 | 7217.1 | 6856.8 | 7907.8 | Off | |
| 11/3/2011 | 7357.3 | 6997 | 8048.2 | On | |
| 11/14/2011 | 7523.9 | 7163.7 | 8241.2 | Off | Off to repair leaking gasket found on 11/11/11 |
| 11/18/2011 | 7617.7 | 7257.6 | 8335.1 | On | |
| 11/21/2011 | 7687.5 | 7327.9 | 8405.4 | On | |
| 11/23/2011 | 7712.6 | 7353 | 8451.3 | On | |
| 12/15/2011 | 7723.1 | 7363.7 | 8544.3 | Off | |
| 12/29/2011 | 7724.7 | 7365.3 | 8682.3 | Off | Troubleshooting generator |
| 1/5/2012 | 7729.0 | 7369.3 | 8819.8 | Off | Troubleshooting generator |
| 1/12/2012 | 7898.1 | 7538.5 | 8989.0 | On | Changed oil; adjusted flows |
| 1/18/2012 | 7915.1 | 7555.5 | 9106.9 | Off | |
| 1/24/2012 | 7921.1 | 7561.8 | 9115.0 | Off | |
| 1/26/2012 | 7957.6 | 7598.1 | 9156.7 | Off | |
| 1/30/2012 | 7995.5 | 7636.3 | 9195.4 | Off | |
| 2/10/2012 | 8257.5 | 7898.8 | 9457.9 | On | |
| 2/15/2012 | 8374.7 | 8015.6 | 9574.6 | On | Replaced torn head gasket; adjusted flows |
| 2/22/2012 | - | - | 9666.9 | On | Emptied knockout tank |
| 2/27/2012 | 8663.6 | 8304.1 | 9786.6 | On | Changed alternator belt |
| 3/6/2012 | 8807.4 | 8447.9 | 10007.5 | Off | High engine temperature alarm |
| 3/7/2012 | 8808.3 | 8448.9 | 10008.5 | Off | High engine temperature alarm |
| 3/14/2012 | - | - | - | Off | Removed radiator for cleaning |
| 3/15/2012 | - | - | - | Off | Reinstalled radiator |
| 3/22/2012 | 9049.7 | 8690.3 | 10250.0 | On | Changed oil; changed air filter; adjusted flows |
| 3/27/2012 | 9165.2 | 8805.8 | 10365.5 | On | |
| 4/6/2012 | - | 9048.6 | 10608.2 | On | Changed spark plugs; cleaned crankcase breather; greased SVE; adjusted flows |
| 4/10/2012 | 9500.4 | 9141 | 10700.7 | On | |
| 4/19/2012 | 9719.1 | 9359.8 | 10919.4 | On | Changed oil; greased AS blower |
| 4/23/2012 | - | - | - | | Completed oil reservoir wiring |
| 4/24/2012 | 9814.8 | 9455.6 | 11015.3 | Off | High engine temperature alarm; changed AS oil |
| 4/30/2012 | 9816.2 | 9457 | 11016.5 | Off | |
| 5/8/2012 | 9910.2 | 9551 | 11110.7 | Off | High engine temperature alarm |
| 5/17/2012 | 10125.6 | 9766.5 | 11326.2 | On | Stack sample collected |
| 5/25/2012 | 10241.1 | 9881.9 | 11442.5 | Off | High LEL/remote E stop alarm; changed oil |
| 5/31/2012 | - | - | - | Off | High engine temperature alarm; changed spark plugs; changed SVE oil; cleaned crankcase breather |
| 6/4/2012 | - | - | - | Off | Knockout tank high-level alarm; high engine temperature alarm - set timer |
| 6/5/2012 | - | - | - | Off | High engine temperature alarm |

TABLE 1
REMEDIATION SYSTEM OPERATIONS SUMMARY

CHESNUT G 22-6 TANK BATTERY
WELD COUNTY, COLORADO
NOBLE ENERGY INC.

| Date | AS Hours | SVE Hours | Generator Hours | System Status Upon Arrival (On/Off) | Notes |
|-----------------------------|-------------|--------------|--------------------|--|--|
| 6/12/2012 | - | - | 11562.6 | Off | High engine temperature alarm |
| 6/13/2012 | 10285.0 | 9926 | 11563.2 | Off | High LEL/remote E stop alarm |
| 6/19/2012 | 10286.3 | 9927.3 | 11564.6 | Off | High engine temperature alarm |
| 6/27/2012 | | | 11643 | Off | High engine temperature alarm, installed fan |
| 7/2/2012 | 10365.1 | 1006.2 | 11763 | Off | Generator on, AS/SVE down due to tripped breaker |
| 7/10/2012 | 10397.5 | 10038.6 | 11795.8 | Off | High LEL/remote E stop alarm |
| 7/25/2012 | - | - | - | Off | High LEL/remote E stop alarm, troubleshooting |
| 7/27/2012 | 10397.0 | 10039 | 11796 | Off | Troubleshooting generator; recalibrated LEL, changed spark plugs |
| 7/30/2012 | | | | | Removed radiator for cleaning |
| 8/3/2012 | 10430.0 | 10071 | 11829 | Off | |
| 8/6/2012 | 10477.0 | 10119 | 11877.1 | Off | Changed oil, cleaned crankcase, flows |
| 8/14/2012 | - | - | - | Off | High LEL/remote E stop alarm; left system off |
| 8/20/2012 | 10558.7 | 10200.2 | 11958.9 | Off | Fixed gas leak, stack sample, flows |
| 8/23/2012 | - | - | - | Off | High LEL/remote E stop alarm |
| 8/27/2012 | 10579.6 | 10247.8 | 12009.5 | Off | High LEL/remote E stop alarm |
| 9/6/2012 | 10644.1 | 10341.2 | 12105.4 | Off | High LEL/remote E stop alarm, changed generator air filter |
| 9/13/2012 | 10686.4 | 10403.5 | 12169.9 | Off | High LEL/remote E stop alarm, changed spark plugs |
| 9/18/2012 | 10743.2 | 10515.2 | 12286.7 | On | Changed oil, cleaned crankcase, flows |
| 9/20/2012 | 10767.8 | 10561.8 | | On | Flows |
| 9/25/2012 | 10783.7 | 10577.8 | 12457.5 | On | Generator on, AS/SVE down due to tripped breaker |
| 9/27/2012 | - | - | - | Off | High LEL/remote E stop alarm; replaced stolen battery |
| 10/1/2012 | - | - | - | Off | High LEL/remote E stop alarm; adjusted EMIT |
| 10/2/2012 | 10807.6 | 10601.8 | 12483.1 | On | |
| Operational % Since Startup | 58% | 57% | 67% | | |
| Operational % in Quarter | 21% | 27% | 36% | | |

NOTES:

AS - air sparging

CLR - calcium, lime, rust remover

LEL - lower explosive limit

PLC - programmable logic controller

SVE - soil vapor extraction

VFD - variable frequency drive

- Indicates no reading was collected

% - percent

TABLE 2

AIR EMISSIONS ESTIMATE SUMMARY

CHESNUT G 22-6 TANK BATTERY
WELD COUNTY, COLORADO
NOBLE ENERGY INC.

| Sample Information and Lab Analysis | | | | | | | | |
|-------------------------------------|-----------------|-----------------|----------------|----------------|---------------------|----------------------|-------------|-----------|
| Date | Total Flow (cf) | Delta Flow (cf) | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | TVPH (µg/L) | PID (ppm) |
| 9/8/2010 | 2,574,000 | 2,574,000 | 0.087 | 0.048 | 0.021 | 0.311 | 7.44 | 4.9 |
| 9/22/2010 | 4,464,000 | 1,890,000 | 0.039 | 0.048 | 0.0074 | 0.098 | 7.7 | 0.6 |
| 10/21/2010 | 10,342,320 | 5,878,320 | 2.0 | 0.015 | 2.7 | 5.4 | 1.2 | 0 |
| 2/25/2011 | 28,484,160 | 18,141,840 | 0.049 | 0.055 | 0.065 | 0.35 | 450 | 93.3 |
| 6/2/2011 | 41,918,010 | 13,433,850 | 0.330 | 0.047 | 0.026 | 1.38 | 370 | 54.1 |
| 8/17/2011 | 46,863,210 | 4,945,200 | 0.0008 | 0.0077 | 0.0011 | 0.0105 | 1.6 | 0.9 |
| 11/14/2011 | 54,003,450 | 7,140,240 | 0.387 | 0.1675 | 0.118 | 0.169 | 10.55 | 1.5 |
| 2/15/2012 | 61,159,410 | 7,155,960 | 0.229 | 1.850 | 0.289 | 2.065 | 3.010 | 8.9 |
| 5/17/2012 | 74,816,430 | 13,657,020 | 0.0068 | 0.055 | 0.0098 | 0.127 | 20.0 | 0 |
| 8/20/2012 | 78,199,290 | 3,382,860 | 0.120 | 0.109 | 0.0461 | 0.159 | 14.800 | 1.2 |

| Emission Calculations | | | | | | |
|-----------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|--------------|
| Date | Flow Rate (cfm) | Benzene (lb/hr) | Toluene (lb/hr) | Ethylbenzene (lb/hr) | Total Xylenes (lb/hr) | TVPH (lb/hr) |
| 9/8/2010 | 120 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0033 |
| 9/22/2010 | 120 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0035 |
| 10/21/2010 | 140 | 0.0010 | 0.0000 | 0.0014 | 0.0028 | 0.0006 |
| 2/25/2011 | 120 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.2020 |
| 6/2/2011 | 135 | 0.0002 | 0.0000 | 0.0000 | 0.0007 | 0.1868 |
| 8/17/2011 | 130 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0008 |
| 11/14/2011 | 120 | 0.0002 | 0.0001 | 0.0001 | 0.0001 | 0.0047 |
| 2/15/2012 | 140 | 0.0001 | 0.0010 | 0.0002 | 0.0011 | 0.0016 |
| 5/17/2012 | 130 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0097 |
| 8/20/2012 | 130 | 0.0001 | 0.0001 | 0.0000 | 0.0001 | 0.0072 |

| Tons Emitted Over Total Operating Time | | | | | | | | |
|--|-------------------------|-------------|---------------|---------------|--------------------|---------------------|---------------|-------------|
| Date | Total Operational Hours | Delta Hours | Benzene (lbs) | Toluene (lbs) | Ethylbenzene (lbs) | Total Xylenes (lbs) | TVPH (lbs) | TVPH (tons) |
| 9/8/2010 | 397.5 | 357.5 | 0.01 | 0.01 | 0.00 | 0.05 | 1.19 | 0.00 |
| 9/22/2010 | 660.0 | 262.5 | 0.00 | 0.01 | 0.00 | 0.01 | 0.91 | 0.00 |
| 10/21/2010 | 1,359.8 | 699.8 | 0.73 | 0.01 | 0.99 | 1.98 | 0.44 | 0.00 |
| 2/25/2011 | 3,879.5 | 2,519.7 | 0.05 | 0.06 | 0.07 | 0.40 | 508.89 | 0.25 |
| 6/2/2011 | 5,538.0 | 1,658.5 | 0.28 | 0.04 | 0.02 | 1.16 | 309.84 | 0.15 |
| 8/17/2011 | 6,172.0 | 634.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 |
| 11/14/2011 | 7,163.7 | 991.7 | 0.17 | 0.07 | 0.05 | 0.08 | 4.70 | 0.00 |
| 2/15/2012 | 8,015.6 | 851.9 | 0.10 | 0.83 | 0.13 | 0.92 | 1.34 | 0.00 |
| 5/17/2012 | 9,766.5 | 1,750.9 | 0.01 | 0.05 | 0.01 | 0.11 | 17.03 | 0.01 |
| 8/20/2012 | 10,200.2 | 433.7 | 0.03 | 0.02 | 0.01 | 0.03 | 3.12 | 0.00 |
| | | Sum | 1.39 | 1.09 | 1.29 | 4.73 | 847.95 | 0.42 |

NOTES:

cf - cubic feet

µg/L - micrograms per liter

TVPH - total volatile petroleum hydrocarbons

PID - photo-ionization detector

ppm - parts per million

cfm - cubic feet per minute

lb/hr - pounds per hour

lbs - pounds

Italicized values are reported as one half the detection limit for a non-detected result.

TABLE 3

GROUNDWATER ANALYTICAL RESULTS

CHESNUT G 22-6 TANK BATTERY
WELD COUNTY, COLORADO
NOBLE ENERGY, INC.

| Well ID | Date | Depth to Water/<Product> (feet btoc) | Relative Groundwater Elevation (feet) | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|---------|-----------|--------------------------------------|---------------------------------------|-----------------------|----------------|---------------------|----------------------|
| MW01 | 1/13/2009 | 15.11 | NM | 26,400 | 8,320 | 536 | 8,800 |
| | 3/5/2010 | 14.60 | NM | 26,100 | 6,270 | 666 | 11,090 |
| | 9/20/2010 | NM | NM | Could Not Locate Well | | | |
| | 12/2/2010 | 8.68 | 88.25 | 5,600 | 161 | 37.1 | 1,550 |
| | 3/14/2011 | 15.33 | 81.60 | 1,010 | <1.00 | <1.00 | 12.8 |
| | 6/2/2011 | 9.89 | 87.04 | 1,080 | <1.0 | 13.5 | 1,400 |
| | 9/12/2011 | 2.96 | 93.97 | 1,560 | <1.0 | 84.5 | 1,510 |
| | 12/9/2011 | 7.80 | 89.13 | 427 | <1.0 | 34.5 | 945 |
| | 3/22/2012 | 13.50 | 83.43 | <1.0 | 4.17 | <1.0 | <1.0 |
| | 6/8/2012 | 4.56 | 92.37 | 5.8 | <1 | <1 | 19.3 |
| | 9/18/2012 | 4.04 | 92.89 | 7.1 | <1.0 | 3.1 | 100 |
| MW02 | 1/13/2009 | 15.12 | 83.02 | 3,460 | 1,420 | 199 | 6,120 |
| | 3/5/2010 | 15.95 | 82.19 | 857 | 3.61 | 151 | 1,448.61 |
| | 9/20/2010 | 6.00 | 92.14 | 338 | <1.0 | 104 | 2,256.14 |
| | 12/2/2010 | 10.04 | 88.10 | 125 | <1.0 | 147 | 1,590 |
| | 3/14/2011 | 16.40 | 81.74 | 37.4 | <1.00 | 22.0 | 266 |
| | 6/2/2011 | 13.02 | 85.12 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/12/2011 | 5.38 | 92.76 | 4.9 | <1.0 | 2.4 | 9.5 |
| | 12/9/2011 | 10.00 | 88.14 | <1.0 | <1.0 | 2.17 | 20.4 |
| | 3/22/2012 | 16.19 | 81.95 | 1 | 2.36 | 9.88 | 47.2 |
| | 6/8/2012 | 7.45 | 90.69 | <1 | <1 | <1 | <1 |
| | 9/18/2012 | 6.97 | 91.17 | <1.0 | <1.0 | <1.0 | 2.1 |
| MW03 | 1/13/2009 | 15.06 | NM | 11,700 | 7,860 | 195 | 5,950 |
| MW04 | 1/13/2009 | 13.13 | 84.15 | 19,700 | 7,460 | 555 | 9,990 |
| | 3/5/2010 | 15.71 *sheen | 81.57 | Sample not collected | | | |
| | 9/20/2010 | 3.70 | 93.58 | 563 | <10.0 | <10.0 | 6,027 |
| | 12/2/2010 | 9.33 | 87.95 | 664 | 42 | 19.1 | 4,710 |
| | 3/14/2011 | 14.94 | 82.34 | 713 | <10.0 | 113 | 6,510 |
| | 6/2/2011 | 9.10 | 88.18 | 233 | <1.0 | 31.8 | 457 |
| | 9/12/2011 | 3.40 | 93.88 | 23.8 | <1.0 | 6.8 | 124 |
| | 12/9/2011 | 9.60 | 87.68 | 57.2 | <1.0 | 3.62 | 90.3 |
| | 3/22/2012 | 14.21 | 83.07 | 295 | 5.33 | 5.99 | 53.7 |
| | 6/8/2012 | 4.57 | 92.40 | 14.3 | <1 | <1 | 14.4 |
| | 9/18/2012 | 3.32 | 93.96 | 3.5 | <1.0 | 1.3 | 59.0 |
| MW05 | 1/13/2009 | 14.58 | 82.39 | 15,500 | 14,900 | 412 | 6,860 |
| | 3/5/2010 | 16.06 * sheen | 80.91 | Sample not collected | | | |
| | 9/20/2010 | 6.60 | 90.37 | 12,700 | 1,500 | 522 | 8,190 |
| | 12/2/2010 | 10.48 | 86.49 | 14,700 | 185 | 122 | 5,650 |
| | 3/14/2011 | 16.16 | 80.81 | 67.9 | <1.00 | <1.00 | 112 |
| | 6/2/2011 | 13.25 | 83.72 | 143 | <1.0 | <1.0 | 13.0 |
| | 9/12/2011 | 5.96 | 91.01 | 5,050 | 22.5 | 59.1 | 2,680 |
| | 12/9/2011 | 10.70 | 86.27 | 8,790 | 10.6 | <10.0 | 659 |
| | 3/22/2012 | NM | NM | Not Sampled - Dry | | | |
| | 6/8/2012 | 8.36 | 88.61 | 337 | <1 | <1 | 4.4 |
| | 9/18/2012 | 7.68 | 89.29 | 1,249 | 1.1 | 3.8 | 59.3 |
| MW06 | 2/19/2009 | 17.24 | 79.73 | 305 | 15.8 | 167 | 2,476 |
| | 3/5/2010 | 16.47 | 80.87 | 1.27 | <1.0 | 8.77 | 9.60 |
| | 9/20/2010 | 6.95 | 90.39 | <1.0 | <1.0 | 3.51 | 13.0 |
| | 12/2/2010 | 11.01 | 86.33 | <1.0 | <1.0 | 28.8 | 205 |
| | 3/14/2011 | 16.91 | 80.43 | <1.00 | <1.00 | 42.8 | 317 |
| | 6/2/2011 | 14.30 | 83.04 | <1.0 | <1.0 | 2.1 | 4.9 |
| | 9/12/2011 | 6.51 | 90.83 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/9/2011 | 10.80 | 86.54 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 3/22/2012 | 17.08 | 80.26 | <1.0 | <1.0 | 1.46 | 4.9 |
| | 6/8/2012 | 9.22 | 88.12 | <1 | <1 | <1 | <1 |
| | 9/18/2012 | 8.21 | 89.13 | <1.0 | <1.0 | <1.0 | <1.0 |

TABLE 3 (CONTINUED)

GROUNDWATER ANALYTICAL RESULTS

CHESNUT G 22-6 TANK BATTERY
WELD COUNTY, COLORADO
NOBLE ENERGY, INC.

| Well ID | Date | Depth to Water/<Product> (feet btoc) | Relative Groundwater Elevation (feet) | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|---------------|-----------|--------------------------------------|---------------------------------------|-----------------------|----------------|---------------------|----------------------|
| MW07 | 2/19/2009 | 19.18 | 75.41 | 3.99 | 7.09 | 64.1 | 288.67 |
| | 3/5/2010 | 15.93 | 78.66 | 5.47 | <1.0 | 4.11 | 55.02 |
| | 9/20/2010 | 7.35 | 87.24 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/2/2010 | 10.32 | 84.27 | <1.0 | <1.0 | <1.0 | <1.0 |
| | 3/14/2011 | 16.12 | 78.47 | <1.00 | <1.00 | <1.00 | <3.00 |
| | 6/2/2011 | 14.59 | 80.00 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/12/2011 | 6.25 | 88.34 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/9/2011 | NM | NM | Could Not Locate Well | | | |
| | 3/22/2012 | 16.42 | 78.17 | <1.0 | <1.0 | <1.0 | <1.0 |
| | 6/8/2012 | 8.65 | 85.94 | <1 | <1 | <1 | <1 |
| | 9/18/2012 | 8.12 | 86.47 | <1.0 | <1.0 | <1.0 | <1.0 |
| MW08 MW08R | 2/19/2009 | 18.03 | NM | 34.3 | 2,000 | 202 | 4,213 |
| | 9/20/2010 | 10.90 | 83.61 | 1.21 | <1.0 | 118 | 657.4 |
| | 12/2/2010 | 12.94 | 81.57 | <1.0 | <1.0 | <1.0 | 119 |
| | 3/14/2011 | 18.61 | 75.90 | <1.00 | <1.00 | <1.00 | 1,070 |
| | 6/2/2011 | 17.80 | 76.71 | <1.0 | <1.0 | 207 | 587 |
| | 9/12/2011 | 9.66 | 84.85 | <1.0 | <1.0 | 44.6 | 241 |
| | 12/9/2011 | 12.67 | 81.84 | <1.0 | <1.0 | 9.99 | 68.6 |
| | 3/22/2012 | 18.67 | 75.84 | <1.0 | 8.37 | 16.3 | 109 |
| | 6/8/2012 | 11.99 | 82.52 | <1 | <1 | 1.7 | 26.1 |
| | 9/18/2012 | 11.34 | 83.17 | <1.0 | <1.0 | 1.5 | 4.5 |
| MW09 MW09R | 2/19/2009 | 18.96 | NM | 1,250 | 23.0 | 19.0 | 25.28 |
| | 9/20/2010 | 10.75 | 82.99 | 3,350 | <1.0 | 368 | 1,891.7 |
| | 12/2/2010 | 12.79 | 80.95 | 10.2 | <10.0 | 85.2 | 392 |
| | 3/14/2011 | 17.67 | 76.07 | 422 | <1.0 | 200 | 644 |
| | 6/2/2011 | 17.02 | 76.72 | 902 | <1.0 | 303 | 1,490 |
| | 9/12/2011 | 9.57 | 84.17 | 1.1 | <1.0 | 128 | 609 |
| | 12/9/2011 | 12.50 | 81.24 | 1.79 | <1.0 | 13.7 | 28.5 |
| | 3/22/2012 | 17.81 | 75.93 | 1.64 | 8 | 14.5 | 43.4 |
| | 6/8/2012 | 12.34 | 81.40 | <1 | <1 | 5.9 | 8.9 |
| | 9/18/2012 | 11.43 | 82.31 | <1.0 | <1.0 | <1.0 | <1.0 |
| MW10 | 2/19/2009 | 17.34 | 76.83 | 10,300 | 374 | 412 | 2,435 |
| | 3/5/2010 | 16.46 | 77.71 | 9,790 | 581 | 452 | 3,707 |
| | 9/20/2010 | 7.70 | 86.47 | 4,130 | 50.0 | 434 | 4,280 |
| | 12/2/2010 | 10.83 | 83.34 | 1,560 | <10.0 | 33.5 | 1,100 |
| | 3/14/2011 | 12.25 | 81.92 | 1,070 | <1.00 | 12.6 | 476 |
| | 6/2/2011 | 12.35 | 81.82 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/12/2011 | 7.01 | 87.16 | 310 | <1.0 | 107 | 250 |
| | 12/9/2011 | 10.62 | 83.55 | 243 | <1.0 | 53.2 | 279 |
| | 3/22/2012 | 16.37 | 77.80 | 30.3 | 1.75 | <1.0 | <1.0 |
| | 6/8/2012 | 9.60 | 84.57 | 18.2 | <1 | <1 | <1 |
| | 9/18/2012 | 8.78 | 85.39 | <1.0 | <1.0 | <1.0 | <1.0 |
| MW11 | 2/19/2009 | 17.67 | 78.49 | 6,130 | 48.5 | 43.4 | 818.6 |
| | 3/5/2010 | 16.38 | 79.78 | 10,500 | <1.0 | 10.1 | 497 |
| | 9/20/2010 | 7.20 | 88.96 | 2,670 | <1.0 | <1.0 | 235.88 |
| | 12/2/2010 | 11.55 | 84.61 | 835 | <10.0 | <10.0 | 57.1 |
| | 3/14/2011 | 16.27 | 79.89 | 180 | <1.00 | <1.00 | <3.00 |
| | 6/2/2011 | 13.82 | 82.34 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/12/2011 | 7.11 | 89.05 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/9/2011 | 11.31 | 84.85 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 3/22/2012 | 16.85 | 79.31 | <1.0 | 2 | <1.0 | <1.0 |
| | 6/8/2012 | 9.76 | 86.40 | <1 | <1 | <1 | <1 |
| | 9/18/2012 | 8.87 | 87.29 | <1.0 | <1.0 | <1.0 | <1.0 |

TABLE 3 (CONTINUED)

GROUNDWATER ANALYTICAL RESULTS

CHESNUT G 22-6 TANK BATTERY
WELD COUNTY, COLORADO
NOBLE ENERGY, INC.

| Well ID | Date | Depth to Water/<Product> (feet btoc) | Relative Groundwater Elevation (feet) | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|---------------|-----------|--------------------------------------|---------------------------------------|------------------------------|----------------|---------------------|----------------------|
| MW12 | 2/19/2009 | 14.81 | 81.95 | 1,970 | 257 | 138 | 423 |
| | 3/5/2010 | 14.63 | 82.13 | 465 | 24.5 | 42.7 | 199.9 |
| | 9/20/2010 | 4.10 | 92.66 | 9.92 | <1.0 | <1.0 | 171.07 |
| | 12/2/2010 | 13.41 | 83.35 | <1.0 | <1.0 | <1.0 | <1.0 |
| | 3/14/2011 | 14.91 | 81.85 | 2.35 | <1.00 | 13.5 | 250 |
| | 6/2/2011 | 10.42 | 86.34 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/12/2011 | 3.47 | 93.29 | 58.7 | <1.0 | <1.0 | 6.4 |
| | 12/9/2011 | 10.35 | 86.41 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 3/22/2012 | 15.25 | 81.51 | <1.0 | 2 | 1.4 | 4.98 |
| | 6/8/2012 | 5.76 | 91.00 | 12.8 | <1 | 3.7 | 13.7 |
| | 9/18/2012 | 4.41 | 92.35 | <1.0 | <1.0 | <1.0 | 1.4 |
| MW13 | 2/19/2009 | 15.13 | 83.32 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 3/5/2010 | 15.11 | 83.34 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/20/2010 | 3.80 | 94.65 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/2/2010 | 10.60 | 87.85 | <1.0 | <1.0 | <1.0 | <1.0 |
| | 3/14/2011 | 15.21 | 83.24 | <1.00 | <1.00 | <1.00 | <3.00 |
| | 6/2/2011 | 7.41 | 91.04 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/12/2011 | 2.94 | 95.51 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/9/2011 | 11.04 | 87.41 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 3/22/2012 | 15.73 | 82.72 | <1.0 | 1.87 | <1.0 | <1.0 |
| | 6/8/2012 | 5.01 | 93.44 | <1 | <1 | <1 | <1 |
| | 9/18/2012 | 3.77 | 94.68 | <1.0 | <1.0 | <1.0 | <1.0 |
| MW14 | 2/19/2009 | 14.32 | NM | <1.0 | <1.0 | <1.0 | <3.0 |
| | 3/5/2012 | NM | NM | Destroyed | | | |
| MW15 | 2/19/2009 | 14.95 | 78.55 | 2,490 | 3,380 | 150 | 1,732 |
| | 3/5/2010 | 13.00 | 80.50 | 998 | 1,890 | 141 | 2,026 |
| | 9/20/2010 | 2.80 | 90.70 | 107 | <1.0 | <1.0 | 417.3 |
| | 12/2/2010 | 8.24 | 85.26 | 133 | <1.0 | <1.0 | 470 |
| | 3/14/2011 | 12.96 | 80.54 | 181 | <1.00 | 135 | 1,580 |
| | 6/2/2011 | 7.44 | 86.06 | 35.4 | <1.0 | 15.6 | 308 |
| | 9/12/2011 | 2.44 | 91.06 | 15.2 | <1.0 | 29.1 | 249 |
| | 12/9/2011 | 10.30 | 83.20 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 3/22/2012 | 15.31 | 78.19 | <1.0 | 2.09 | <1.0 | <1.0 |
| | 6/8/2012 | 5.40 | 88.10 | <1 | <1 | <1 | <1 |
| | 9/18/2012 | 6.38 | 87.12 | <1.0 | <1.0 | <1.0 | <1.0 |
| MW16 MW16R | 2/19/2009 | 15.25 | NM | 1,060 | 16.2 | 156 | 37.5 |
| | 3/22/2012 | 15.58 | NM | <1.0 | <1.0 | <1.0 | <1.0 |
| | 6/8/2012 | 8.59 | NM | 1.1 | <1 | 4.2 | <1 |
| | 9/18/2012 | 6.78 | NM | 3.1 | <1.0 | 2.8 | <1.0 |
| MW17 MW17R | 2/19/2009 | 15.93 <15.91> | NM | 3,680 | 9,940 | 775 | 1,075 |
| | 9/20/2010 | 7.92 | 84.99 | <1.0 | <1.0 | 46.1 | 256.31 |
| | 12/2/2010 | 11.10 | 81.81 | 3.10 | <1.0 | 112 | 570 |
| | 3/14/2011 | 15.62 | 77.29 | 9.19 | <1.00 | 52.6 | 470 |
| | 6/2/2011 | 13.53 | 79.38 | 3.4 | <1.0 | 16.5 | 448 |
| | 9/12/2011 | 6.93 | 85.98 | <1.0 | <1.0 | 45.1 | 275 |
| | 12/9/2011 | 11.11 | 81.80 | 9.28 | <1.0 | 141 | 1,090 |
| | 3/22/2012 | 15.89 | 77.02 | 5.4 | 2.59 | 85.3 | 616 |
| | 6/8/2012 | 10.44 | 82.47 | 4.1 | <1 | 117 | 668 |
| | 9/18/2012 | 9.07 | 83.84 | 5.2 | <1.0 | 95.1 | 522 |
| MW18 MW18R | 2/19/2009 | 16.22 | NM | 1,410 | 80.9 | 51.0 | 229.6 |
| | 3/14/2011 | 16.25 | 75.85 | <1.00 | <1.00 | <1.00 | <3.00 |
| | 6/2/2011 | 15.24 | 76.86 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/12/2011 | 8.76 | 83.34 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 2/28/2012 | NM | NM | Abandoned per COGCC approval | | | |

TABLE 3 (CONTINUED)
GROUNDWATER ANALYTICAL RESULTS

CHESNUT G 22-6 TANK BATTERY
WELD COUNTY, COLORADO
NOBLE ENERGY, INC.

| Well ID | Date | Depth to Water/<Product> (feet btoc) | Relative Groundwater Elevation (feet) | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|-------------------|-----------|--------------------------------------|---------------------------------------|------------------------------|----------------|---------------------|----------------------|
| MW19 MW19R | 2/25/2009 | 16.67 | NM | 329 | <1.0 | 1.45 | 6.65 |
| | 3/14/2011 | 17.44 | 74.27 | <1.00 | <1.00 | <1.00 | <3.00 |
| | 6/2/2011 | 16.96 | 74.75 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/12/2011 | 10.61 | 81.10 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 2/28/2012 | NM | NM | Abandoned per COGCC approval | | | |
| MW20 | 2/25/2009 | 17.55 | NM | 2.13 | 2.34 | 16.0 | 3.27 |
| Destroyed | | | | | | | |
| MW21 | 2/25/2009 | 16.87 | NM | 2.00 | <1.0 | <1.0 | 11.9 |
| Destroyed | | | | | | | |
| MW22 | 2/25/2009 | 16.70 | NM | 8.70 | 40.7 | 3.78 | 22.65 |
| Destroyed | | | | | | | |
| MW23 MW23R | 2/25/2009 | 15.25 | NM | 32.9 | 5.29 | 9.01 | 38.36 |
| | 3/22/2012 | 16.20 | NM | <1.0 | 2.33 | <1.0 | <1.0 |
| | 6/8/2012 | 9.38 | NM | <1 | <1 | <1 | <1 |
| | 9/18/2012 | 7.33 | NM | <1.0 | <1.0 | <1.0 | 1.3 |
| MW24 | 2/25/2009 | 14.87 | NM | 1.02 | <1.0 | <1.0 | <3.0 |
| Destroyed | | | | | | | |
| MW25 | 2/25/2009 | 18.20 | NM | <1.0 | <1.0 | <1.0 | 4.01 |
| | 3/5/2010 | 17.46 | NM | <1.0 | <1.0 | <1.0 | <3.0 |
| Destroyed | | | | | | | |
| MW26 | 2/25/2009 | 18.02 | 78.14 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 3/5/2010 | 17.36 | 78.80 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/20/2010 | 5.10 | 91.06 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/2/2010 | 8.78 | 87.38 | <1.0 | <1.0 | <1.0 | <1.0 |
| | 3/14/2011 | 15.63 | 80.53 | <1.00 | <1.00 | <1.00 | <3.00 |
| | 6/2/2011 | 11.67 | 84.49 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/12/2011 | 4.02 | 92.14 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/9/2011 | NM | NM | <1.0 | <1.0 | <1.0 | <3.0 |
| | 3/22/2012 | NM | NM | Not Sampled - Dry | | | |
| | 6/8/2012 | 5.99 | 90.17 | <1 | <1 | <1 | <1 |
| | 9/18/2012 | 5.69 | 90.47 | <1.0 | <1.0 | <1.0 | <1.0 |
| MW27 | 2/25/2009 | 19.98 | NM | <1.0 | <1.0 | <1.0 | <3.0 |
| Destroyed | | | | | | | |
| MW28 | 2/25/2009 | 15.82 | NM | <1.0 | <1.0 | <1.0 | <3.0 |
| Destroyed | | | | | | | |
| MW29 | 2/25/2009 | 16.77 | NM | <1.0 | <1.0 | <1.0 | <3.0 |
| Destroyed | | | | | | | |
| MW30 | 2/25/2009 | 16.86 | NM | <1.0 | <1.0 | <1.0 | <3.0 |
| Destroyed | | | | | | | |
| MW31 | 3/14/2011 | 14.83 | 76.86 | <1.00 | <1.00 | <1.00 | <3.00 |
| | 6/2/2011 | 11.11 | 80.58 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/12/2011 | | | Destroyed | | | |
| MW32 | 3/14/2011 | 18.47 | 72.41 | <1.00 | <1.00 | <1.00 | <3.00 |
| | 6/2/2011 | 18.27 | 72.61 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/12/2011 | 12.92 | 77.96 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 2/28/2012 | NM | NM | Abandoned per COGCC approval | | | |
| CDPHE WQCC Reg 41 | | | | 5.0 | 560 | 700 | 1,400 |

NOTES:

btoc - below top of casing

µg/L - micrograms per liter

NM - not measured

< indicates result is less than the stated laboratory reporting limit

Bold indicates concentration exceeds CDPHE WQCC Reg 41.

CDPHE WQCC Reg 41 - Colorado Department of Public Health and Environment - Water Quality Control

Commission Regulation 41 covering The Basic Standards for Ground Water

Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B or 8260C

COGCC - Colorado Oil and Gas Conservation Commission

ATTACHMENT 1

AIR EMISSIONS LABORATORY ANALYTICAL REPORT



August 29, 2012

LT Environmental, Inc.

Rob Rebel

4600 West 60th Avenue

Arvada CO 80003

Project Name - Noble - Chestnut G 22-6

Project Number - NEP0839

Attached are you analytical results for Noble - Chestnut G 22-6 received by Origins Laboratory, Inc. August 21, 2012. This project is associated with Origins project number X208129-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Rob Rebel

Project Number: NEP0839

Project: Noble - Chestnut G 22-6

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|-----------------------|------------------|
| Stack 01 | X208129-01 | Air | August 20, 2012 12:00 | 08/21/2012 15:20 |

Origins Laboratory, Inc.



Noelle E Doyle, President

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Rob Rebel
Project Number: NEP0839
Project: Noble - Chestnut G 22-6

www.originslaboratory.com page 1 of 1

X208129

ORIGINS LABORATORY, INC

Client: LYE
Address: 4600 W. 60th Ave.
Telephone Number:
Email Address: Rebel@ltenv.com

Project Manager: Rob Rebel
Project Name: Chestnut G 22-6
Project Number: NEP0839
Samples Collected By: Ryan Kitzberger

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | | | | Matrix | | | | Analysis | Sample Instructions | |
|-----------------------|--------------|--------------|-----------------|--------------|-----|------------------|-------|-------------|------|-------------|-------|----------|---------------------|----|
| | | | | Unpreserved | HCl | HNO ₃ | Other | Groundwater | Soil | Air Summa # | Other | | | |
| Stack | 8/20/12 | 13:00 | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | 2 |
| | | | | | | | | | | | | | | 3 |
| | | | | | | | | | | | | | | 4 |
| | | | | | | | | | | | | | | 5 |
| | | | | | | | | | | | | | | 6 |
| | | | | | | | | | | | | | | 7 |
| | | | | | | | | | | | | | | 8 |
| | | | | | | | | | | | | | | 9 |
| | | | | | | | | | | | | | | 10 |

Relinquished By: [Signature] Date: 8-20-12 Time: 17:00
Relinquished By: [Signature] Date: 8-21-12 Time: 15:20

Received By: [Signature] Date: 8/21/12 Time: 15:30
Received By: [Signature] Date: 8/21/12 Time: 15:30

Turnaround Time: Same Day ☐ 24 Hr ☐ 48 Hr ☐ 72 Hr ☒ Standard

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Defra Pacific Northwest

Origins Laboratory, Inc.

Noelle E Doyle

Noelle E Doyle, President

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Rob Rebel
Project Number: NEP0839
Project: Noble - Chestnut G 22-6

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: X208129

Client: LTE

Client Project ID: Chestnut G 22-6

Checklist Completed by: Jeff Smith

Shipped Via: Pick-Up

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 8/21/12 15:30

Airbill #: 624

Matrix(s) Received: (Check all that apply): Soil/Solid

Water

Other: A/C

(Describe)

Cooler Number/Temperature: 127.0 °C 1 °C 1 °C 1 °C

Thermometer ID: T001

| Requirement Description | Yes | No | N/A | Comments (if any) |
|---|-----|----|-----|-------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ? | | | ✓ | A/C |
| Is there ice present (document if blue ice is used) | | | ✓ | A/C |
| Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact) | | ✓ | | |
| Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact) | | ✓ | | |
| Were all samples received intact ⁽¹⁾ ? | ✓ | | | |
| Was adequate sample volume provided ⁽¹⁾ ? | ✓ | | | |
| Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ? | | ✓ | | |
| Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ? | ✓ | | | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | ✓ | | | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | ✓ | | | |
| Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ? | ✓ | | | |
| For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative. | | | ✓ | A/C |
| Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH) | | | ✓ | A/C |
| Additional Comments (if any): | | | | |

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager)

8-29-12 1157
Date/Time Reviewed

Origins Laboratory, Inc.

Noelle E Doyle, President

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Rob Rebel

Project Number: NEP0839

Project: Noble - Chestnut G 22-6

Stack 01

8/20/2012 12:00:00PM

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.
X208129-01 (Air)

GBTEX by TO-15M GC/MS

| | | | | | | | |
|-----------------------------|-------|------|-----------------------|------|---------|------------|------------|
| Gasoline Range Hydrocarbons | 14800 | 1730 | ug/m ³ Air | 8.63 | 2H28004 | 08/28/2012 | 08/28/2012 |
| Benzene | 120 | 17.3 | " | " | " | " | " |
| Toluene | 109 | 43.2 | " | " | " | " | " |
| Ethylbenzene | 46.1 | 43.2 | " | " | " | " | " |
| m,p-Xylene | 159 | 94.9 | " | " | " | " | " |
| o-Xylene | ND | 43.2 | " | " | " | " | " |

Surrogate: 1,2-Dichloroethane-d4

86.4 % 70-130

" " "

Surrogate: Toluene-d8

83.5 % 70-130

" " "

Surrogate: 4-Bromofluorobenzene

92.3 % 70-130

" " "

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Rob Rebel
Project Number: NEP0839
Project: Noble - Chestnut G 22-6

Volatile Organic Compounds by EPA Method 8260B in Air - Quality Control

Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 2H28004 - Default Prep - Air

Blank (2H28004-BLK1)

Prepared: 08/28/2012 Analyzed: 08/28/2012

| | | | |
|-----------------------------|----|------|-----------------------|
| Gasoline Range Hydrocarbons | ND | 200 | ug/m ³ Air |
| Benzene | ND | 2.00 | " |
| Toluene | ND | 5.00 | " |
| Ethylbenzene | ND | 5.00 | " |
| Xylenes, total | ND | 5.00 | " |

| | | | | | |
|----------------------------------|------|---|------|-----|--------|
| Surrogate: 1,2-Dichloroethane-d4 | 48.9 | " | 42.1 | 116 | 70-130 |
| Surrogate: Toluene-d8 | 43.8 | " | 41.0 | 107 | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 78.9 | " | 71.6 | 110 | 70-130 |

LCS (2H28004-BS1)

Prepared: 08/28/2012 Analyzed: 08/28/2012

| | | | | | | |
|--------------|------|------|-----------------------|------|------|--------|
| Benzene | 32.6 | 2.00 | ug/m ³ Air | 32.6 | 99.9 | 70-130 |
| Toluene | 40.2 | 5.00 | " | 39.6 | 102 | 70-130 |
| Ethylbenzene | 51.9 | 5.00 | " | 45.6 | 114 | 70-130 |
| m,p-Xylene | 123 | 11.0 | " | 116 | 105 | 70-130 |
| o-Xylene | 48.4 | 5.00 | " | 46.5 | 104 | 70-130 |

| | | | | | |
|----------------------------------|------|---|------|-----|--------|
| Surrogate: 1,2-Dichloroethane-d4 | 45.6 | " | 42.1 | 108 | 70-130 |
| Surrogate: Toluene-d8 | 43.0 | " | 41.0 | 105 | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 76.2 | " | 71.6 | 106 | 70-130 |

LCS Dup (2H28004-BSD1)

Prepared: 08/28/2012 Analyzed: 08/28/2012

| | | | | | | | | |
|--------------|------|------|-----------------------|------|------|--------|------|----|
| Benzene | 31.7 | 2.00 | ug/m ³ Air | 32.6 | 97.3 | 70-130 | 2.69 | 20 |
| Toluene | 39.4 | 5.00 | " | 39.6 | 99.6 | 70-130 | 1.89 | 20 |
| Ethylbenzene | 49.8 | 5.00 | " | 45.6 | 109 | 70-130 | 4.19 | 20 |
| m,p-Xylene | 119 | 11.0 | " | 116 | 102 | 70-130 | 2.94 | 20 |
| o-Xylene | 46.9 | 5.00 | " | 46.5 | 101 | 70-130 | 3.19 | 20 |

| | | | | | |
|----------------------------------|------|---|------|-----|--------|
| Surrogate: 1,2-Dichloroethane-d4 | 45.6 | " | 42.1 | 108 | 70-130 |
| Surrogate: Toluene-d8 | 43.3 | " | 41.0 | 106 | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 76.2 | " | 71.6 | 106 | 70-130 |

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, President

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Rob Rebel

Project Number: NEP0839

Project: Noble - Chestnut G 22-6

Volatile Organic Compounds by EPA Method 8260B in Air - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

Batch 2H28004 - Default Prep - Air

Origins Laboratory, Inc.



Noelle E Doyle, President

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Rob Rebel

Project Number: NEP0839

Project: Noble - Chestnut G 22-6

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Noelle E Doyle, President

ATTACHMENT 2

GROUNDWATER LABORATORY ANALYTICAL REPORT

Certificate of Analysis



September 19, 2012

Client: LT Environmental
4600 West 60th Avenue
Arvada, Colorado 80003

Project: Chesnut G22-6

Lab ID: 091804

Date Received: 09/18/12

Number of Samples Received: 17

Sample Condition: Samples arrived intact and in appropriate sample containers

Sample Temperature: Within acceptable range of 2-6° C, or as specified in EPA Method

| Analysis | EPA Method | Lab ID on COC |
|----------|------------|---------------|
| BTEX | 8260C | 1 - 17 |

All quality control analyses associated with the requested analyses were satisfactorily passed before the samples were run. If you have any questions please give us a call, we are happy to help.

Thank you for allowing eAnalytics Laboratory to provide laboratory services for you, we truly appreciate your business.

Sincerely,

A handwritten signature in black ink, appearing to read "Chris Dieken".

Christopher Dieken
Quality Assurance Manager
eAnalytics Laboratory
(970) 667-6975
info@eAnalyticsLab.com



A2LA & Department of Defense (DoD) Certified

Certificate of Analysis

Chain of Custody

eANALYTICS
LABORATORY

September 19, 2012

Chain of Custody Form

| eANALYTICS LABORATORY | | | 1767 Rocky Mountain Avenue Loveland CO 80538 Phone: (970) 667-6975 Fax: (970) 669-0941 www.eAnalyticsLab.com | | | | | | | | | | | | | | |
|---|-------------|--------------------|--|--|-----------------|-----------------|------------------------------|---------------------|---------------------------|---------------------|--|--|----------------|------------------|------|------------------|----------------|
| CLIENT INFORMATION | | | ANALYSIS INFORMATION | | | | | | | | | | | | | | |
| Company: LTE | | | (Select analysis by checking box on corresponding sample line) | | | | | | | | | | | | | | |
| Project: Chesnut G 22-6 | | | Number of Containers | Matrix: (S) Soil (W) Water (V) Vapor (O) Other | BTEX (EPA 8015) | TEPH (EPA 8015) | Vapor BTEX / TPH (EPA TO-14) | Full VOC (EPA 8260) | Semi-Volatiles 8270 / PAH | TRPH / Oil & Grease | RCRA 8 Metals (Total / TCLP / Dissolved) | React. / Ignit. / Corrosivity / Paint Filter | pH / TSS / TDS | Metals (Specify) | PCBs | Anions (Specify) | Other Analysis |
| Project Manager: Rob Rebel | | | | | | | | | | | | | | | | | |
| Sampler: M. Bruce, Liz Houle | | | | | | | | | | | | | | | | | |
| Phone/Email: Rebel@LTEnv.com | | | | | | | | | | | | | | | | | |
| Address: 4600 W 60th Ave Arvada CO 80003 | | | | | | | | | | | | | | | | | |
| Lab ID | Sample Name | Sampling Date/Time | | | | | | | | | | | | | | | |
| 01 | MW01R | 9/18/12 1145 AM/PM | 3 | W | X | | | | | | | | | | | | |
| 02 | MW02 | 1400 AM/PM | | | | | | | | | | | | | | | |
| 03 | MW04 | 1300 AM/PM | | | | | | | | | | | | | | | |
| 04 | MW05 | 1320 AM/PM | | | | | | | | | | | | | | | |
| 05 | MW06 | 1340 AM/PM | | | | | | | | | | | | | | | |
| 06 | MW07 | 1150 AM/PM | | | | | | | | | | | | | | | |
| 07 | MW08R | 1215 AM/PM | | | | | | | | | | | | | | | |
| 08 | MW09R | 1230 AM/PM | | | | | | | | | | | | | | | |
| 09 | MW10 | 1200 AM/PM | | | | | | | | | | | | | | | |
| 10 | MW11 | 1330 AM/PM | | | | | | | | | | | | | | | |
| 11 | MW12 | 1235 AM/PM | | | | | | | | | | | | | | | |
| 12 | MW13 | 1260 AM/PM | | | | | | | | | | | | | | | |
| 13 | MW15 | 1310 AM/PM | | | | | | | | | | | | | | | |
| 14 | MW16R | 1220 AM/PM | | | | | | | | | | | | | | | |
| 15 | MW17R | 1245 AM/PM | | | | | | | | | | | | | | | |

Comments:

| | | | |
|---|--|--|--|
| Turnaround Time (Business Days) TAT begins when sample is received by eANALYTICS <input checked="" type="radio"/> Normal (5-10 Days) <input type="radio"/> 3 Day (1.25x) <input type="radio"/> 2 Day (1.5x) <input type="radio"/> 1 Day (2x) <input type="radio"/> Same Day (3x) | | Record of Custody Relinquished by: <i>M. Bruce</i> Date: 9-18-12 Company: LTE Time: 1445 AM/PM Received by: _____ Date: _____ Company: _____ Time: _____ AM/PM | |
| Colorado OPS Project: Yes / No | | Relinquished by: _____ Date: _____ Company: _____ Time: _____ AM/PM Received by: <i>M. Bruce</i> Date: 9-18-12 Company: eANALYTICS Time: 2:45 AM/PM | |
| For eANALYTICS Use Samples Received Intact: Yes / No Received Within Temperature Range (2-6°C): Yes / No Sample Preservative: Ice / None / Acid / Other | | | |

WO # **091804**

eANALYTICS: Environmental testing made Easy

Page **1** of **2**

eANALYTICS
LABORATORY

September 19, 2012

EPA Method: 8260C BTEX

Todd Rhea

Page 4 of 6

Certificate of Analysis

Surrogate Recoveries
(%)



September 19, 2012

Client: LT Environmental
4600 West 60th Avenue
Arvada, Colorado 80003

Project: Chesnut G22-6

Lab ID: 091804

EPA Method: 8260C BTEX

| Sample Name | Dibromofluoro- methane | 1,2-Dichloroethane- D4 | Toluene-D8 | Bromofluorobenzene | Date Sampled | Date Analyzed | Lab ID |
|-------------|---------------------------|---------------------------|------------|--------------------|-----------------|------------------|-----------|
| | (70-130%) | (70-130%) | (70-130%) | (70-130%) | | | |
| MW 01R | 89 | 97 | 102 | 92 | 09/18/12 | 09/18/12 | 091804-01 |
| MW 02 | 92 | 103 | 89 | 92 | 09/18/12 | 09/18/12 | 091804-02 |
| MW 04 | 91 | 89 | 93 | 102 | 09/18/12 | 09/18/12 | 091804-03 |
| MW 05 | 88 | 90 | 96 | 97 | 09/18/12 | 09/18/12 | 091804-04 |
| MW 06 | 93 | 99 | 102 | 101 | 09/18/12 | 09/18/12 | 091804-05 |
| MW 07 | 101 | 87 | 100 | 92 | 09/18/12 | 09/18/12 | 091804-06 |
| MW 08R | 95 | 87 | 95 | 96 | 09/18/12 | 09/18/12 | 091804-07 |
| MW 09R | 94 | 90 | 97 | 96 | 09/18/12 | 09/18/12 | 091804-08 |
| MW 10 | 97 | 92 | 102 | 103 | 09/18/12 | 09/18/12 | 091804-09 |
| MW 11 | 89 | 89 | 102 | 88 | 09/18/12 | 09/18/12 | 091804-10 |
| MW 12 | 103 | 91 | 99 | 103 | 09/18/12 | 09/18/12 | 091804-11 |
| MW 13 | 97 | 96 | 102 | 96 | 09/18/12 | 09/19/12 | 091804-12 |
| MW 15 | 92 | 90 | 87 | 89 | 09/18/12 | 09/19/12 | 091804-13 |
| MW 16R | 96 | 92 | 95 | 92 | 09/18/12 | 09/19/12 | 091804-14 |
| MW 17R | 91 | 99 | 90 | 91 | 09/18/12 | 09/19/12 | 091804-15 |
| MW 23R | 88 | 91 | 95 | 98 | 09/18/12 | 09/19/12 | 091804-16 |
| MW26 | 90 | 92 | 93 | 101 | 09/18/12 | 09/19/12 | 091804-17 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Todd Rhea

Laboratory Manager - eAnalytics Laboratory

Certificate of Analysis

Quality Control
Analysis



September 19, 2012

Client: LT Environmental
4600 West 60th Avenue
Arvada, Colorado 80003

Project: Chesnut G22-6

Lab ID: 091804

Matrix: WATER
Batch ID: EA 09-18-12

EPA Method: 8260C BTEX

| Sample Name | Benzene | Toluene | Ethyl - Benzene | Total Xylenes | Date Analyzed | Lab ID |
|---------------------------|---------|---------|-----------------|---------------|---------------|-------------|
| Laboratory Control Sample | 90 | 99 | 91 | 101 | 09/18/12 | L 09-18-12 |
| (Acceptable 70-130%) | % Rec | % Rec | % Rec | % Rec | | |
| Calibration Verification | 88 | 105 | 97 | 98 | 09/18/12 | C 09-18-12 |
| (Acceptable 80-120%) | % Rec | % Rec | % Rec | % Rec | | |
| Reagent Blank | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 09/18/12 | RB 09-18-12 |
| | ug/L | ug/L | ug/L | ug/L | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

A handwritten signature in black ink that reads "Todd Rhea".

Laboratory Manager - eAnalytics Laboratory