# 3R - 121

# 2007 AGWMR

# MAR 2008

# XTO ENERGY INC.

***ANNUAL GROUNDWATER REPORT***

***2007***

***McDANIEL GAS COM B #1E***
***(F) SECTION 26 – T29N – R10W, NMPM***
***SAN JUAN COUNTY, NEW MEXICO***

***PREPARED FOR:***
***MR. GLENN VON GONTEN***
***NEW MEXICO OIL CONSERVATION DIVISION***

***January 2008***

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# 2007 XTO GROUNDWATER REPORT

## McDANIEL GAS COM B #1E

### SITE DETAILS

**LEGALS - TWN:** 29N **RNG:** 10W **SEC:** 26 **UNIT:** F
**NMOCD HAZARD RANKING:** 40 **LAND TYPE:** FEE

### PREVIOUS ACTIVITIES

**Excavation:** Dec-94 (50 CY) **Soil Boring:** Oct-99
**Monitoring Wells:** Oct-99

### SITE MAP

A site map is presented as Figure 1.

### SUMMARY TABLES

A summary of laboratory results from historical and current groundwater monitoring is presented as Table 1. A summary of general water chemistry from 1999 is presented as Table 2. Copies of the laboratory data sheets and associated quality assurance/quality control data for 2006 and 2007 are presented as Attachment 1.

### POTENTIOMETRIC SURFACE DIAGRAMS

Field data collected during site monitoring activities indicate a groundwater gradient that trends towards the northwest, in the general direction of the San Juan River. In September 2006 the groundwater gradient turned toward the southeast, away from the San Juan River and in the direction of a nearby wetland area. This change in direction is being attributed to seasonal weather conditions. During the months of the previous site visits the weather was unseasonably warm and windy with little if any rainfall. The month before the September 2006 visit had average to cooler temperatures with over an inch of rainfall. The increase in the water level of the River could push local groundwater away and in the opposite direction. Figures 2 - 5 illustrate the estimated groundwater gradients for 2006 and 2007.

### ANNUAL GROUNDWATER REMEDIATION REPORTS

Previous groundwater reports submitted to New Mexico Oil Conservation Division (NMOCD) in 2005 and 2006 recommended quarterly sampling of the groundwater monitoring wells, in accordance with the NMOCD approved Groundwater Management Plan.

### 2007 ACTIVITIES

Quarterly groundwater samples were collected from monitoring wells MW-1, MW-2 and MW-3 in 2007 and submitted for laboratory analysis of benzene, toluene, ethyl benzene and total xylenes (BTEX). Laboratory results indicate BTEX constituents are below standards or not detectable for four quarters.

### GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

Bore/Test Hole Reports are presented as Figures 6 - 8 representing drilling that occurred on site in September 1999.

# 2007 XTO GROUNDWATER REPORT

## DISPOSITION OF GENERATED WASTES

Waste generated (groundwater) during monitoring well sampling and development was placed in the produced water tank located on the well site.

## CONCLUSIONS

In January 1998 XTO Energy Inc. (XTO) acquired the McDaniel Gas Com B #1E from Amoco Production Company. XTO understands the initial groundwater assessment came from samples collected from the bottom of the earthen pit following excavation of impacted soils (Attachment 2). Laboratory analysis of the initial sample indicated the presence of elevated dissolved phase BTEX constituents. In 1999 three groundwater monitoring wells were installed to delineate the extent of hydrocarbon impacts to groundwater. Monitoring well numbered MW-2 was installed near the center of the source area (closed and backfilled earthen dehydrator pit). Monitoring wells numbered MW-1 and MW-3 were placed down gradient of the source area. Groundwater samples collected from the three groundwater monitoring wells indicated BTEX constituents were not present above the detection limits of the laboratory equipment (0.2 ug/L). Sampling was terminated and the site was submitted for closure.

Correspondence from NMOCD in 2000 requested four consecutive quarters of testing in compliance with XTO's Groundwater Management Plan. Groundwater analytical data from MW-1R, MW-2, and MW-4 for four consecutive quarters have demonstrated no detectable levels of BTEX constituents and New Mexico Water Quality Control Commission (NMWQCC) standards have been met. The quarterly sampling has confirmed no rebound of BTEX constituents has occurred, therefore, XTO requests closure of this site.

## RECOMMENDATIONS

- XTO requests closure of this site.
- Following OCD approval for closure, all monitoring well locations will be abandoned in accordance with the monitoring well abandonment plan.

**TABLE 1**

## XTO ENERGY INC. GROUNDWATER LAB RESULTS

**McDANIEL GC B #1E- DEHY. PIT**
**UNIT F, SEC. 26, T29N, R10W**

| | | | | | BTEX EPA Method 801 (PPB) | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Date | Monitor Well No. | DTW (ft) | TD (ft) | Product (ft) | Benzene (ug/L) | Toluene (ug/L) | Ethyl Benzene (ug/L) | Total Xylene (ug/L) |
| 28-Oct-99 | MW #1 | 4.04 | 14 | | ND | ND | ND | ND |
| 20-Jun-06 | | | 3.7 | | DRY WELL | | | |
| 25-Sep-06 | | 5.02 | 12.01 | | ND | ND | ND | ND |
| 5-Dec-06 | | 4.22 | 12.01 | | ND | ND | ND | ND |
| 8-Mar-07 | | 4.12 | 12.01 | | ND | ND | ND | ND |
| | | | | | | | | |
| 28-Oct-99 | MW #2 | 3.49 | 13 | | ND | ND | ND | ND |
| 20-Jun-06 | | 5.09 | 13.3 | | ND | ND | ND | ND |
| 25-Sep-06 | | 5.27 | 13.22 | | ND | ND | ND | ND |
| 5-Dec-06 | | 3.88 | 13.22 | | ND | ND | ND | ND |
| 8-Mar-07 | | 3.66 | 13.22 | | ND | ND | ND | ND |
| | | | | | | | | |
| 28-Oct-99 | MW #3 | 1.82 | 12.12 | | ND | ND | ND | ND |
| 20-Jun-06 | | 3.7 | 11.85 | | ND | ND | ND | ND |
| 25-Sep-06 | | 1.16 | 12.94 | | ND | ND | ND | ND |
| 5-Dec-06 | | 2.67 | 12.94 | | ND | ND | ND | ND |
| 8-Mar-07 | | 2.45 | 12.94 | | ND | ND | ND | ND |
| | | | | | | | | |
| **NMWQCC GROUNDWATER STANDARDS** | | | | | 10 | 750 | 750 | 620 |

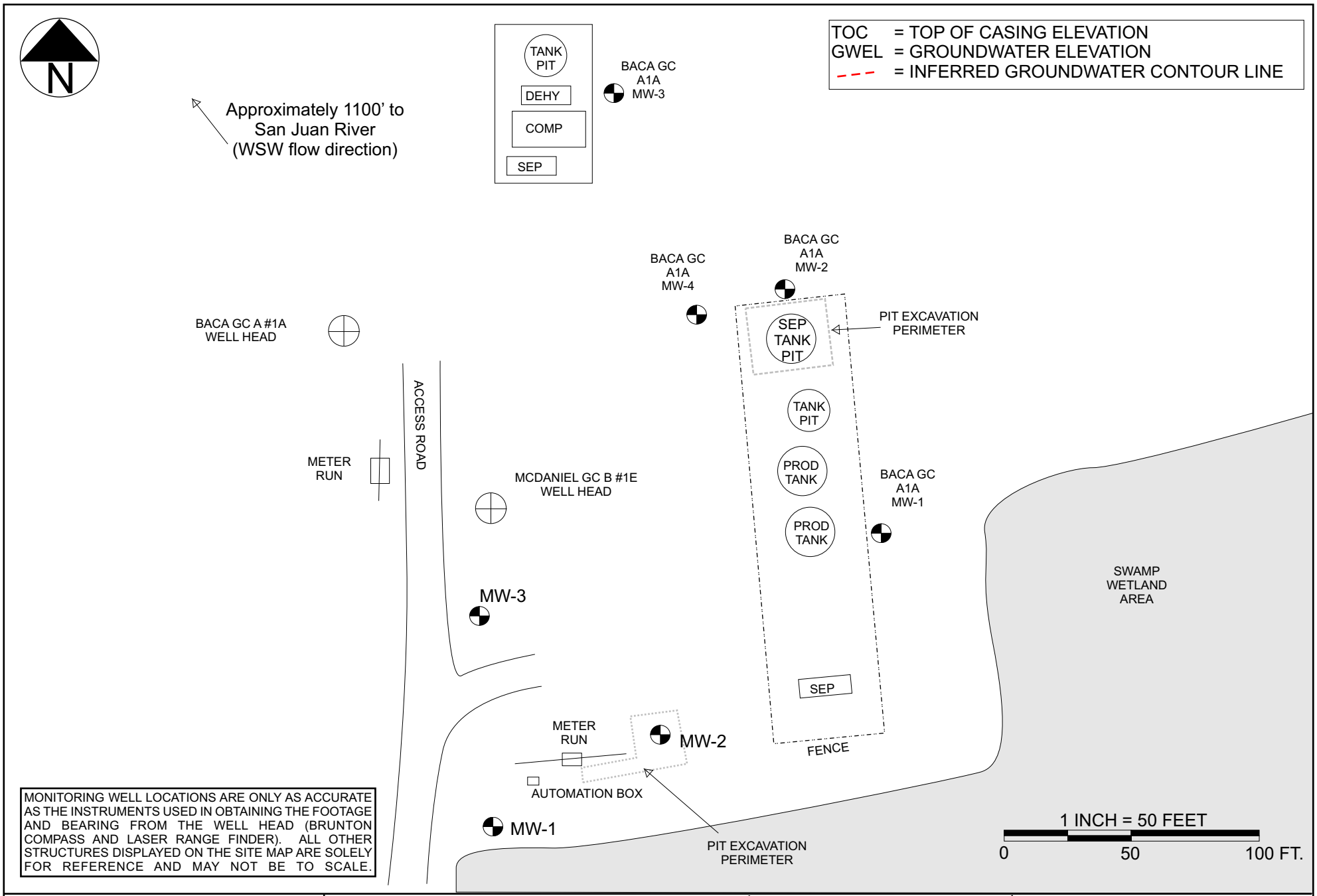
**TABLE 2**

## XTO ENERGY INC. GROUNDWATER LAB RESULTS

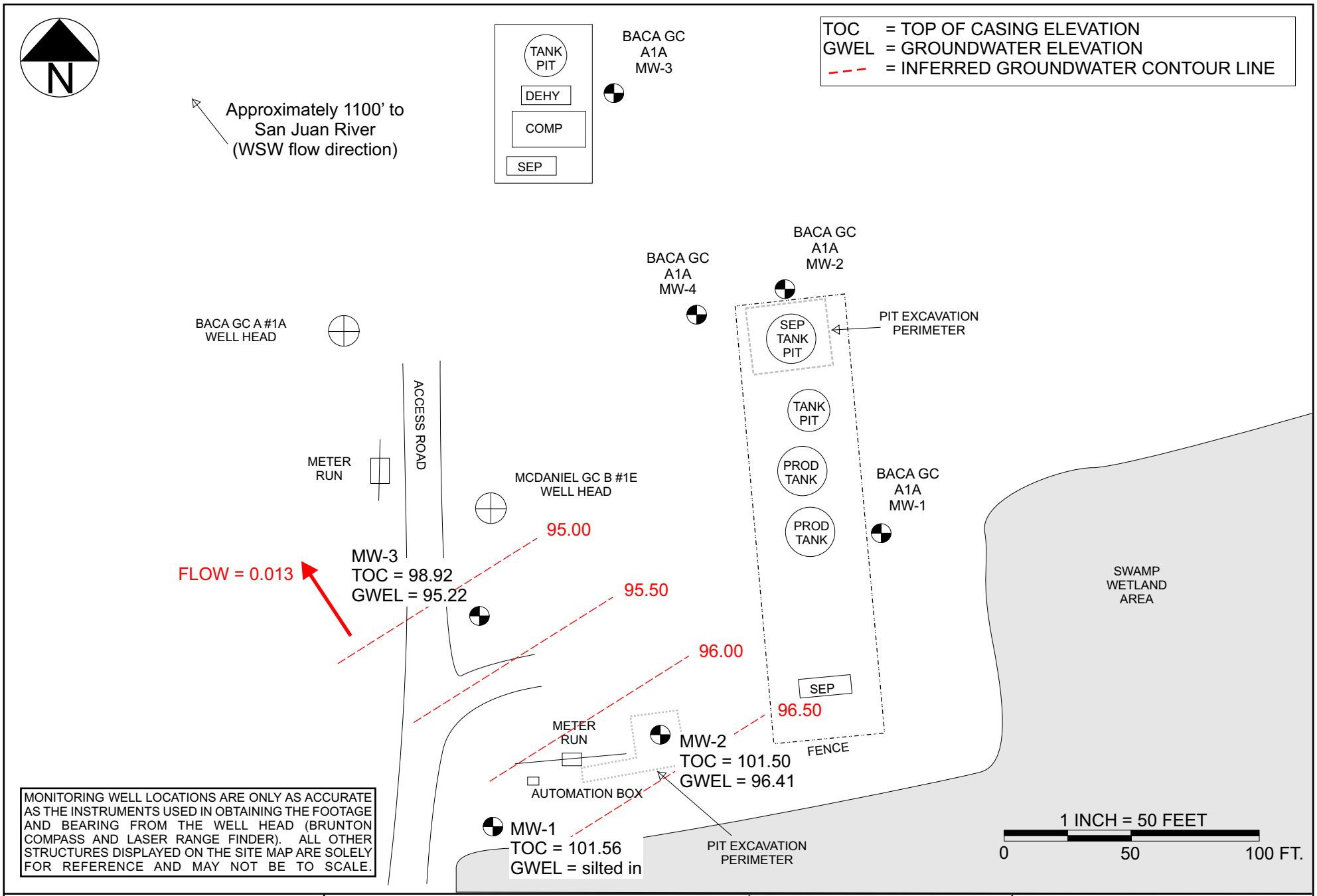
**McDANIEL GC B #1E- DEHY. PIT**
**UNIT F, SEC. 26, T29N, R10W**

Sample Date: October 28, 1999

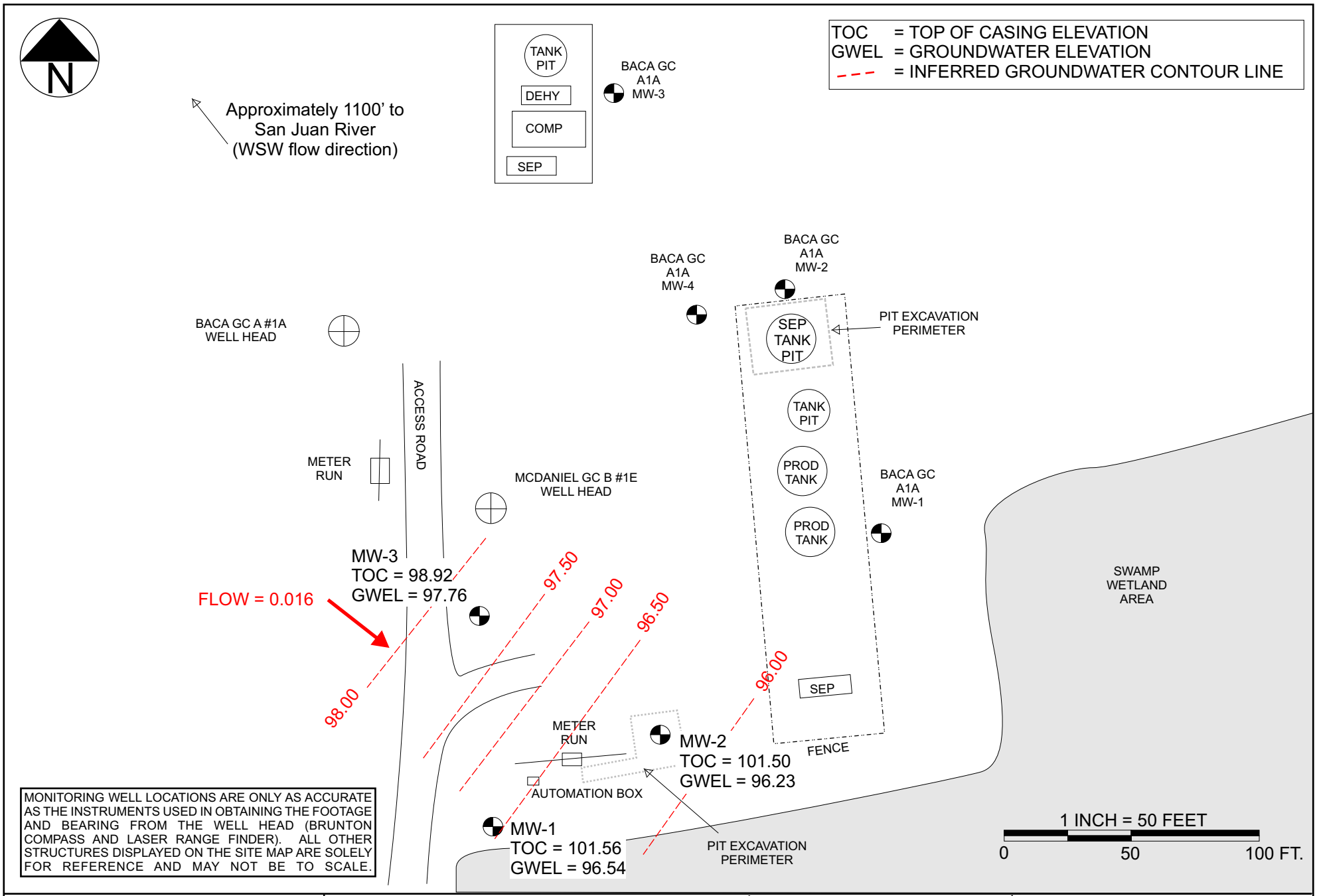
| PARAMETERS | MW #1 | MW #2 | MW #3 | UNITS |
|---|---|---|---|---|
| LAB Ph | 7.21 | 7.2 | 7.26 | s.u. |
| LAB CONDUCTIVITY @ 25 C | 4,180 | 4,390 | 3,270 | umhos/cm |
| TOTAL DISSOLVED SOLIDS @ 180 C | 2,060 | 2,100 | 1,620 | mg/L |
| TOTAL DISSOLVED SOLIDS (Calc) | 1,920 | 1,923 | 1,574 | mg/L |
| SODIUM ABSORPTION RATIO | 0.3 | 0.1 | 4.4 | ratio |
| TOTAL ALKALINITY AS CaCO3 | 300 | 290 | 454 | mg/L |
| TOTAL HARDNESS AS CaCO3 | 1,408 | 1,450 | 641 | mg/L |
| BICARBONATE AS HCO3 | 300 | 290 | 454 | mg/L |
| CARBONATE AS CO3 | < 1 | < 1 | < 1 | mg/L |
| HYDROXIDE AS OH | < 1 | < 1 | < 1 | mg/L |
| NITRATE NITORGEN | < 0.1 | 0.1 | < 0.1 | mg/L |
| NITRITE NITROGEN | < 0.001 | 0.015 | < 0.001 | mg/L |
| CHLORIDE | 0.6 | 2.8 | 1 | mg/L |
| FLUORIDE | 1.82 | 1.95 | 1.96 | mg/L |
| PHOSPHATE | 0.4 | 0.4 | 0.9 | mg/L |
| SULFATE | 1,170 | 1,180 | 790 | mg/L |
| IRON | 0.001 | < 0.001 | < 0.001 | mg/L |
| CALCIUM | 486 | 493 | 213 | mg/L |
| MAGNESIUM | 46.9 | 52.7 | 26.4 | mg/L |
| POTASSIUM | 7.0 | 5.5 | 9.5 | mg/L |
| SODIUM | 25 | 10 | 255 | mg/L |
| CATION/ANION DIFFERENCE | 0.02 | 0 | 0.41 | % |




| | | | |
|---|---|---|---|
| Lodestar Services, Inc<br>PO Box 3861<br>Farmington, NM 87499 | MCDANIEL GC B1E<br>SE/4 NW/4 SEC. 26, T29N, R10W<br>SAN JUAN COUNTY, NEW MEXICO | PROJECT: XTO GROUND WATER<br>DRAWN BY: ALA<br>REVISED: 01/30/08 | SITE MAP<br>FIGURE 1 |




| | | | |
|---|---|---|---|
| Lodestar Services, Inc<br>PO Box 3861<br>Farmington, NM 87499 | MCDANIEL GC B1E<br>SE/4 NW/4 SEC. 26, T29N, R10W<br>SAN JUAN COUNTY, NEW MEXICO | PROJECT: XTO GROUND WATER<br>DRAWN BY: ALA<br>REVISED: 12/09/06 | GROUNDWATER GRADIENT MAP<br>06/20/2006<br>FIGURE 2 |




Lodestar Services, Inc
PO Box 3861
Farmington, NM 87499

MCDANIEL GC B1E

SE/4 NW/4 SEC. 26, T29N, R10W

SAN JUAN COUNTY, NEW MEXICO

PROJECT: XTO GROUND WATER

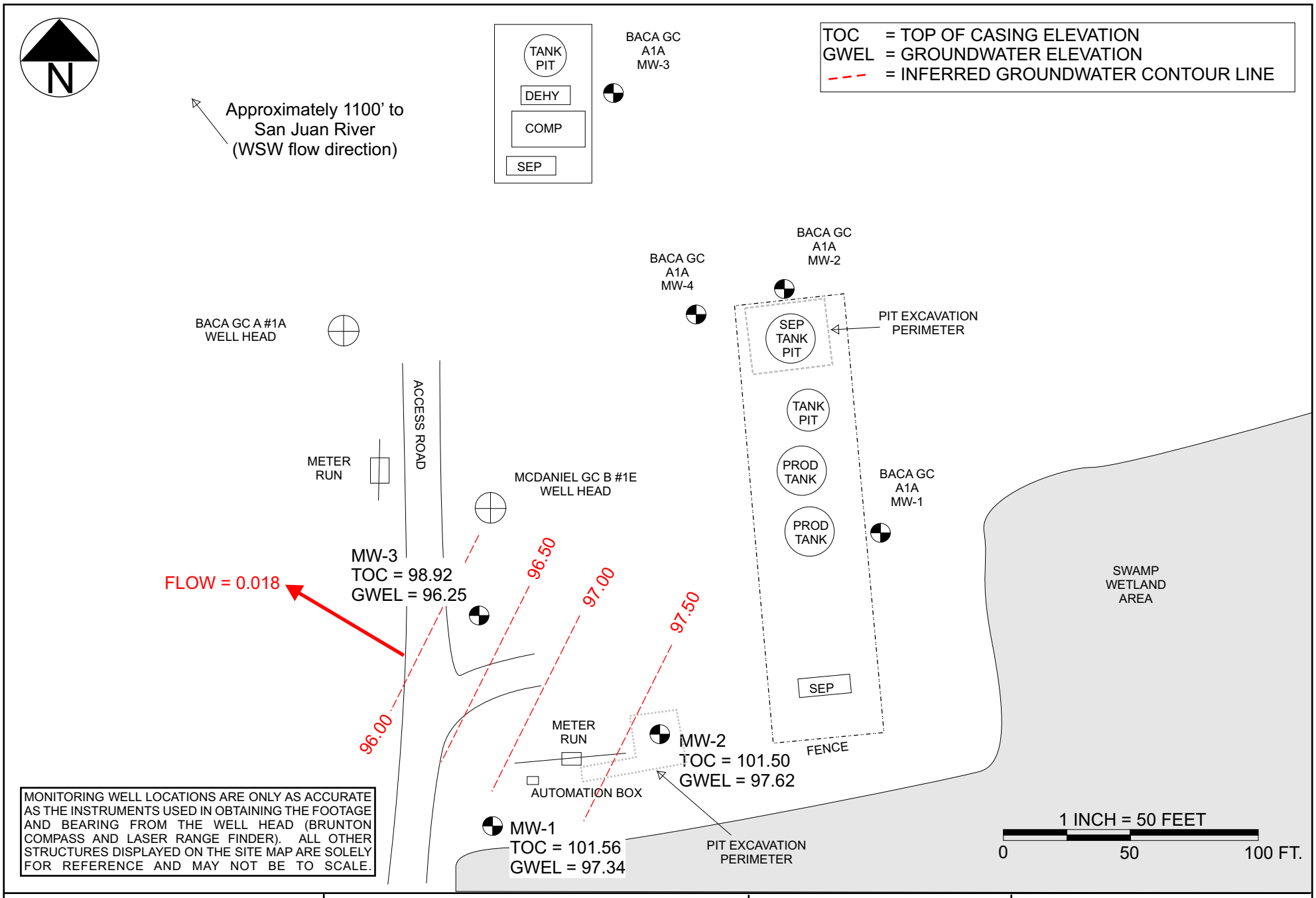
DRAWN BY: ALA

REVISED: 12/09/06

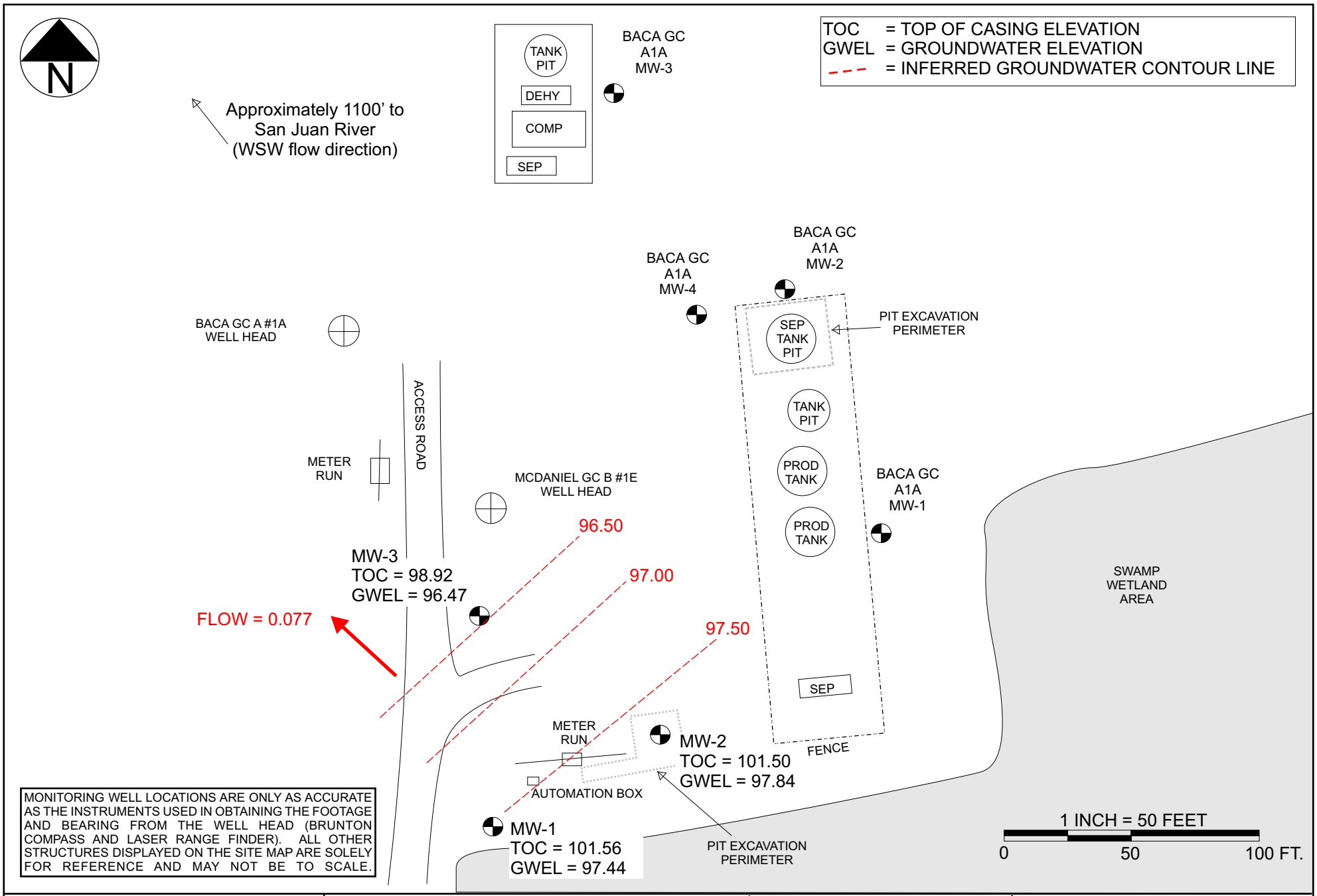
GROUNDWATER GRADIENT MAP

09/25/2006

FIGURE 3




| | | | |
|---|---|---|---|
| Lodestar Services, Inc<br>PO Box 3861<br>Farmington, NM 87499 | MCDANIEL GC B1E<br>SE/4 NW/4 SEC. 26, T29N, R10W<br>SAN JUAN COUNTY, NEW MEXICO | PROJECT: XTO GROUND WATER<br>DRAWN BY: ALA<br>REVISED: 12/09/06 | GROUNDWATER GRADIENT MAP<br>12/05/2006<br>FIGURE 4 |




| | | | |
|---|---|---|---|
| Lodestar Services, Inc<br>PO Box 3861<br>Farmington, NM 87499 | MCDANIEL GC B1E<br>SE/4 NW/4 SEC. 26, T29N, R10W<br>SAN JUAN COUNTY, NEW MEXICO | PROJECT: XTO GROUND WATER<br>DRAWN BY: ALA<br>REVISED: 03/12/07 | GROUNDWATER GRADIENT MAP<br>03/08/2007<br>FIGURE 5 |

FIGURE 6

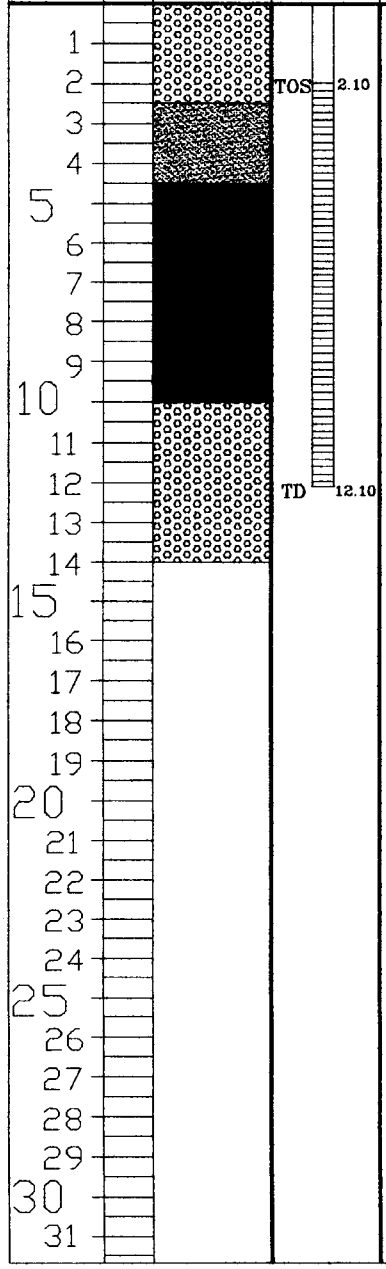
# BLAGG ENGINEERING, Inc.

P.O. BOX 87
BLOOMFIELD, NM 87413
(505) 632-1199

## BORE / TEST HOLE REPORT

BORING #..... BH - 1
MW #..... 1
PAGE #..... 1
DATE STARTED 10/12/99
DATE FINISHED 10/12/99
OPERATOR..... DE
PREPARED BY NJV

CLIENT: XTO ENERGY INC.
LOCATION NAME: McDANIEL GC B #1E
CONTRACTOR: BLAGG ENGINEERING, INC.
EQUIPMENT USED: MOBILE DRILL RIG ( ENVIROTECH CME 61 )
BORING LOCATION: 132 FT., DUE SOUTH FROM WELL HEAD.




### FIELD CLASSIFICATION AND REMARKS

GROUND SURFACE

TOP OF CASING APPROX. 1.90 FT. ABOVE GROUND SURFACE.

GW DEPTH ON 10/28/99 = 2.14 FT. (APPROX.) FROM GROUND SURFACE.

DARK YELLOWISH ORANGE SAND AND GRAVEL, NON COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT DISCOLORATION OBSERVED OR HYDROCARBON ODOR DETECTED PHYSICALLY (0.00 - 2.50 FT. INTERVAL).

OLIVE GRAY SAND, NON COHESIVE, SLIGHTLY MOIST TO SATURATED, FIRM TO LOOSE, NO APPARENT DISCOLORATION OBSERVED OR HYDROCARBON ODOR DETECTED PHYSICALLY (2.50 - 4.50 FT. INTERVAL).

DARK GRAY TO BLACK SAND, NON COHESIVE, SATURATED, FIRM TO LOOSE, NO APPARENT DISCOLORATION OBSERVED OR HYDROCARBON ODOR DETECTED PHYSICALLY (4.50 - 10.00 FT. INTERVAL).

LIGHT GRAY SAND AND GRAVEL, NON COHESIVE, SATURATED, FIRM, NO APPARENT DISCOLORATION OBSERVED OR HYDROCARBON ODOR DETECTED PHYSICALLY (10.00 - 14.00 FT. INTERVAL).

NOTE:
- SAND.
- SAND (DISCOLORED).
- SAND AND GRAVEL.

TOS - TOP OF SCREEN FROM GROUND SURFACE.
TD - TOTAL DEPTH OF MONITOR WELL FROM GROUND SURFACE.
GW - GROUND WATER.

| DRAWING: BH-1.SKD | DATE: 1/19/00 | DWN BY: NJV |
|---|---|---|

FIGURE 7

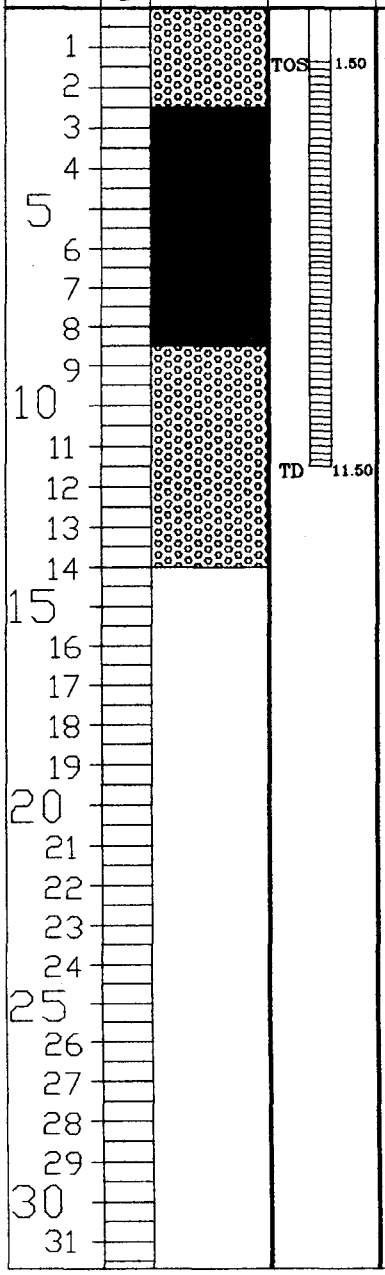
# BLAGG ENGINEERING, Inc.

P.O. BOX 87
BLOOMFIELD, NM 87413
(505) 632-1199

## BORE / TEST HOLE REPORT

BORING # BH - 2
MW # 2
PAGE # 2
DATE STARTED 10/12/99
DATE FINISHED 10/12/99
OPERATOR DE
PREPARED BY NJV

CLIENT: XTO ENERGY INC.
LOCATION NAME: McDANIEL GC B #1E
CONTRACTOR: BLAGG ENGINEERING, INC.
EQUIPMENT USED: MOBILE DRILL RIG ( ENVIROTECH CME 61 )
BORING LOCATION: 118 FT., S36.5E FROM WELL HEAD.




FIELD CLASSIFICATION AND REMARKS

GROUND SURFACE

TOP OF CASING APPROX. 1.50 FT. ABOVE GROUND SURFACE.

GW DEPTH ON 10/28/99 = 1.99 FT. (APPROX.) FROM GROUND SURFACE.

DARK YELLOWISH ORANGE SAND AND GRAVEL, NON COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT DISCOLORATION OBSERVED OR HYDROCARBON ODOR DETECTED PHYSICALLY (0.00 - 2.50 FT. INTERVAL).

DARK GRAY TO BLACK SAND, NON COHESIVE, SATURATED, FIRM TO LOOSE, NO APPARENT DISCOLORATION OBSERVED OR HYDROCARBON ODOR DETECTED PHYSICALLY (2.50 - 8.50 FT. INTERVAL).

LIGHT GRAY SAND AND GRAVEL, NON COHESIVE, SATURATED, FIRM, NO APPARENT DISCOLORATION OBSERVED OR HYDROCARBON ODOR DETECTED PHYSICALLY (8.50 - 14.00 FT. INTERVAL).

NOTE:
- SAND (DISCOLORED).
- SAND AND GRAVEL.

TOS - TOP OF SCREEN FROM GROUND SURFACE.
TD - TOTAL DEPTH OF MONITOR WELL FROM GROUND SURFACE.
GW - GROUND WATER.

| DRAWING: BH-2.SKD | DATE: 1/19/00 | DWN BY: NJV |
|---|---|---|

FIGURE 8

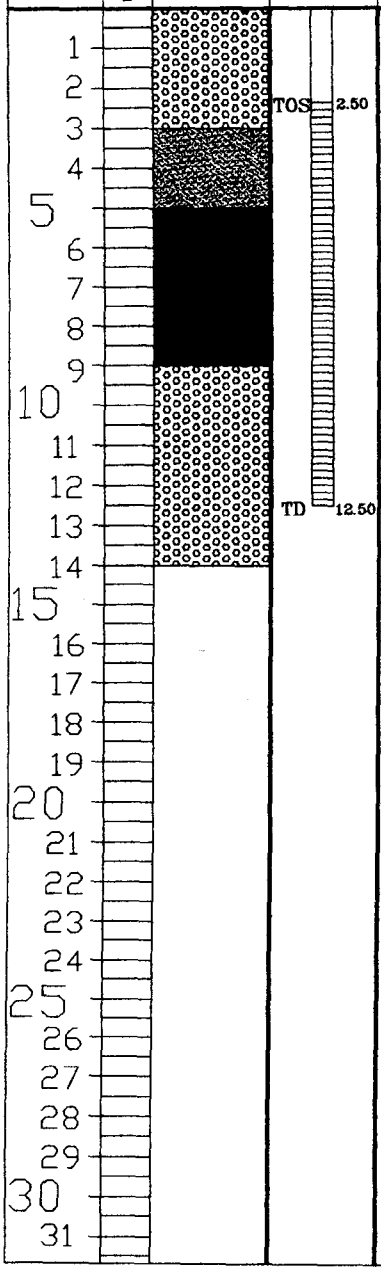
# BLAGG ENGINEERING, Inc.

P.O. BOX 87
BLOOMFIELD, NM 87413
(505) 632-1199

## BORE / TEST HOLE REPORT

BORING # BH - 3
MW # 3
PAGE # 3
DATE STARTED 10/12/99
DATE FINISHED 10/12/99
OPERATOR DE
PREPARED BY NJV

CLIENT: XTO ENERGY INC.
LOCATION NAME: McDANIEL GC B #1E
CONTRACTOR: BLAGG ENGINEERING, INC.
EQUIPMENT USED: MOBILE DRILL RIG ( ENVIROTECH CME 61 )
BORING LOCATION: 46 FT., S7.5W FROM WELL HEAD.




FIELD CLASSIFICATION AND REMARKS

GROUND SURFACE

TOP OF CASING APPROX. 0.38 FT. BELOW GROUND SURFACE.

▼ GW DEPTH ON 10/28/99 = 2.20 FT. (APPROX.) FROM GROUND SURFACE.

DARK YELLOWISH ORANGE SAND AND GRAVEL, NON COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT DISCOLORATION OBSERVED OR HYDROCARBON ODOR DETECTED PHYSICALLY (0.00 - 3.00 FT. INTERVAL).

OLIVE GRAY SAND, NON COHESIVE, SLIGHTLY MOIST TO SATURATED, FIRM TO LOOSE, NO APPARENT DISCOLORATION OBSERVED OR HYDROCARBON ODOR DETECTED PHYSICALLY (3.00 - 5.00 FT. INTERVAL).

DARK GRAY TO BLACK SAND, NON COHESIVE, SATURATED, FIRM TO LOOSE, NO APPARENT DISCOLORATION OBSERVED OR HYDROCARBON ODOR DETECTED PHYSICALLY (5.00 - 9.00 FT. INTERVAL).

LIGHT GRAY SAND AND GRAVEL, NON COHESIVE, SATURATED, FIRM, NO APPARENT DISCOLORATION OBSERVED OR HYDROCARBON ODOR DETECTED PHYSICALLY (9.00 - 14.00 FT. INTERVAL).

NOTE:
- SAND.
- SAND (DISCOLORED).
- SAND AND GRAVEL.

TOS - TOP OF SCREEN FROM GROUND SURFACE.
TD - TOTAL DEPTH OF MONITOR WELL FROM GROUND SURFACE.
GW - GROUND WATER.

DRAWING: BH-3.SKD | DATE: 1/19/00 | DWN BY: NJV

# Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jun-06*

**CLIENT:** XTO Energy
**Project:** Groundwater - McDaniel Gas ComB#1E
**Lab Order:** 0606232

**Lab ID:** 0606232-01 **Collection Date:** 6/20/2006 11:42:00 AM
**Client Sample ID:** McDaniel Gas ComB#1E MW-3 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: HLM |
| Benzene | ND | 1.0 | | µg/L | 1 | 6/23/2006 3:33:07 AM |
| Toluene | ND | 1.0 | | µg/L | 1 | 6/23/2006 3:33:07 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 6/23/2006 3:33:07 AM |
| Xylenes, Total | ND | 3.0 | | µg/L | 1 | 6/23/2006 3:33:07 AM |
| Surr: 4-Bromofluorobenzene | 85.3 | 72.2-125 | | %REC | 1 | 6/23/2006 3:33:07 AM |

**Lab ID:** 0606232-02 **Collection Date:** 6/20/2006 12:50:00 PM
**Client Sample ID:** McDaniel Gas ComB#1E MW-2 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: HLM |
| Benzene | ND | 1.0 | | µg/L | 1 | 6/23/2006 4:02:11 AM |
| Toluene | ND | 1.0 | | µg/L | 1 | 6/23/2006 4:02:11 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 6/23/2006 4:02:11 AM |
| Xylenes, Total | ND | 3.0 | | µg/L | 1 | 6/23/2006 4:02:11 AM |
| Surr: 4-Bromofluorobenzene | 86.4 | 72.2-125 | | %REC | 1 | 6/23/2006 4:02:11 AM |

**Lab ID:** 0606232-03 **Collection Date:** 6/20/2006 7:00:00 AM
**Client Sample ID:** 200606TB02 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: HLM |
| Benzene | ND | 1.0 | | µg/L | 1 | 6/23/2006 4:31:21 AM |
| Toluene | ND | 1.0 | | µg/L | 1 | 6/23/2006 4:31:21 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 6/23/2006 4:31:21 AM |
| Xylenes, Total | ND | 3.0 | | µg/L | 1 | 6/23/2006 4:31:21 AM |
| Surr: 4-Bromofluorobenzene | 81.3 | 72.2-125 | | %REC | 1 | 6/23/2006 4:31:21 AM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| S | Spike Recovery outside accepted recovery limits | | |

# QA/QC SUMMARY REPORT

**Client:** XTO Energy
**Project:** Groundwater - McDaniel Gas ComB#1E **Work Order:** 0606232

| Analyte | Result | Units | PQL | %Rec | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Method: SW8021** | | | | | | | | | **Batch ID: R19665** |
| **Sample ID: 5ML RB** | | *MBLK* | | | | | | | Analysis Date: 6/22/2006 |
| Benzene | ND | µg/L | 1.0 | | | | | | |
| Toluene | ND | µg/L | 1.0 | | | | | | |
| Ethylbenzene | ND | µg/L | 1.0 | | | | | | |
| Xylenes, Total | ND | µg/L | 3.0 | | | | | | |
| **Sample ID: 100NG BTEX LCS** | | *LCS* | | | | | | | Analysis Date: 6/22/2006 |
| Benzene | 18.63 | µg/L | 1.0 | 93.2 | 85 | 115 | | | |
| Toluene | 17.48 | µg/L | 1.0 | 87.4 | 85 | 118 | | | |
| Ethylbenzene | 17.83 | µg/L | 1.0 | 89.2 | 85 | 116 | | | |
| Xylenes, Total | 55.30 | µg/L | 3.0 | 92.2 | 85 | 119 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| R | RPD outside accepted recovery limits | S | Spike Recovery outside accepted recovery limits |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *06-Oct-06*

| | | | |
|---|---|---|---|
| **CLIENT:** | XTO Energy | **Client Sample ID:** | McDaniel Gas Com B1E MW-1 |
| **Lab Order:** | 0609347 | **Collection Date:** | 9/25/2006 12:57:00 PM |
| **Project:** | XT0 Groundwater | **Date Received:** | 9/27/2006 |
| **Lab ID:** | 0609347-01 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 1.0 | | µg/L | 1 | 10/5/2006 3:09:36 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 10/5/2006 3:09:36 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 10/5/2006 3:09:36 PM |
| Xylenes, Total | ND | 3.0 | | µg/L | 1 | 10/5/2006 3:09:36 PM |
| Surr: 4-Bromofluorobenzene | 97.3 | 72.2-125 | | %REC | 1 | 10/5/2006 3:09:36 PM |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit |
| S | Spike recovery outside accepted recovery limits |
| B | Analyte detected in the associated Method Blank |
| H | Holding times for preparation or analysis exceeded |
| MCL | Maximum Contaminant Level |
| RL | Reporting Limit |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *06-Oct-06*

| | | | |
|---|---|---|---|
| **CLIENT:** | XTO Energy | **Client Sample ID:** | McDaniel Gas Com B1E MW-2 |
| **Lab Order:** | 0609347 | **Collection Date:** | 9/25/2006 12:32:00 PM |
| **Project:** | XT0 Groundwater | **Date Received:** | 9/27/2006 |
| **Lab ID:** | 0609347-02 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 1.0 | | µg/L | 1 | 10/5/2006 1:22:19 AM |
| Toluene | ND | 1.0 | | µg/L | 1 | 10/5/2006 1:22:19 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 10/5/2006 1:22:19 AM |
| Xylenes, Total | ND | 3.0 | | µg/L | 1 | 10/5/2006 1:22:19 AM |
| Surr: 4-Bromofluorobenzene | 90.0 | 72.2-125 | | %REC | 1 | 10/5/2006 1:22:19 AM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *06-Oct-06*

| | | | |
|---|---|---|---|
| **CLIENT:** | XTO Energy | **Client Sample ID:** | McDaniel Gas Com B1E MW-3 |
| **Lab Order:** | 0609347 | **Collection Date:** | 9/25/2006 1:40:00 PM |
| **Project:** | XT0 Groundwater | **Date Received:** | 9/27/2006 |
| **Lab ID:** | 0609347-03 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 1.0 | | µg/L | 1 | 10/5/2006 1:51:16 AM |
| Toluene | ND | 1.0 | | µg/L | 1 | 10/5/2006 1:51:16 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 10/5/2006 1:51:16 AM |
| Xylenes, Total | ND | 3.0 | | µg/L | 1 | 10/5/2006 1:51:16 AM |
| Surr: 4-Bromofluorobenzene | 93.5 | 72.2-125 | | %REC | 1 | 10/5/2006 1:51:16 AM |

| Qualifiers: | | | | |
|---|---|---|---|---|
| | * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| | J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| | ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| | S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *06-Oct-06*

| | | | |
|---|---|---|---|
| **CLIENT:** | XTO Energy | **Client Sample ID:** | 25092006TB01 |
| **Lab Order:** | 0609347 | **Collection Date:** | |
| **Project:** | XT0 Groundwater | **Date Received:** | 9/27/2006 |
| **Lab ID:** | 0609347-11 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: NSB |
| Benzene | ND | 1.0 | | µg/L | 1 | 10/5/2006 6:16:33 AM |
| Toluene | ND | 1.0 | | µg/L | 1 | 10/5/2006 6:16:33 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 10/5/2006 6:16:33 AM |
| Xylenes, Total | ND | 3.0 | | µg/L | 1 | 10/5/2006 6:16:33 AM |
| Surr: 4-Bromofluorobenzene | 97.5 | 72.2-125 | | %REC | 1 | 10/5/2006 6:16:33 AM |

| Qualifiers: | | | | |
|---|---|---|---|---|
| | * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| | J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| | ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| | S | Spike recovery outside accepted recovery limits | | |

# QA/QC SUMMARY REPORT

**Client:** XTO Energy
**Project:** XT0 Groundwater

**Work Order:** 0609347

| Analyte | Result | Units | PQL | %Rec | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Method: SW8021** | | | | | | | | | |
| **Sample ID: 5ML REAGENT BLA** | | *MBLK* | | | Batch ID: **R20938** | | Analysis Date: | | 10/4/2006 11:00:33 AM |
| Benzene | ND | µg/L | 1.0 | | | | | | |
| Toluene | ND | µg/L | 1.0 | | | | | | |
| Ethylbenzene | ND | µg/L | 1.0 | | | | | | |
| Xylenes, Total | ND | µg/L | 3.0 | | | | | | |
| **Sample ID: 5ML REAGENT BLA** | | *MBLK* | | | Batch ID: **R20958** | | Analysis Date: | | 10/5/2006 10:03:16 AM |
| Benzene | ND | µg/L | 1.0 | | | | | | |
| Toluene | ND | µg/L | 1.0 | | | | | | |
| Ethylbenzene | ND | µg/L | 1.0 | | | | | | |
| Xylenes, Total | ND | µg/L | 3.0 | | | | | | |
| **Sample ID: 100NG BTEX LCS** | | *LCS* | | | Batch ID: **R20938** | | Analysis Date: | | 10/4/2006 9:28:27 PM |
| Benzene | 20.90 | µg/L | 1.0 | 105 | 85 | 115 | | | |
| Toluene | 20.64 | µg/L | 1.0 | 103 | 85 | 118 | | | |
| Ethylbenzene | 20.83 | µg/L | 1.0 | 104 | 85 | 116 | | | |
| Xylenes, Total | 63.36 | µg/L | 3.0 | 106 | 85 | 119 | | | |
| **Sample ID: 100NG BTEX LCS** | | *LCS* | | | Batch ID: **R20958** | | Analysis Date: | | 10/5/2006 1:42:53 PM |
| Benzene | 20.96 | µg/L | 1.0 | 105 | 85 | 115 | | | |
| Toluene | 20.53 | µg/L | 1.0 | 103 | 85 | 118 | | | |
| Ethylbenzene | 20.82 | µg/L | 1.0 | 104 | 85 | 116 | | | |
| Xylenes, Total | 63.12 | µg/L | 3.0 | 105 | 85 | 119 | | | |
| **Sample ID: 100NG BTEX LCSD** | | *LCSD* | | | Batch ID: **R20958** | | Analysis Date: | | 10/5/2006 9:31:35 PM |
| Benzene | 21.14 | µg/L | 1.0 | 106 | 85 | 115 | 0.855 | 27 | |
| Toluene | 20.72 | µg/L | 1.0 | 104 | 85 | 118 | 0.892 | 19 | |
| Ethylbenzene | 20.79 | µg/L | 1.0 | 104 | 85 | 116 | 0.173 | 10 | |
| Xylenes, Total | 63.10 | µg/L | 3.0 | 105 | 85 | 119 | 0.0317 | 13 | |
| **Method: SW7470** | | | | | | | | | |
| **Sample ID: 0609347-04A msd** | | *MSD* | | | Batch ID: **11395** | | Analysis Date: | | 9/27/2006 |
| Mercury | 0.005070 | mg/L | 0.00020 | 101 | 75 | 125 | 7.36 | 20 | |
| **Sample ID: MB-11395** | | *MBLK* | | | Batch ID: **11395** | | Analysis Date: | | 9/27/2006 |
| Mercury | ND | mg/L | 0.00020 | | | | | | |
| **Sample ID: LCS-11395** | | *LCS* | | | Batch ID: **11395** | | Analysis Date: | | 9/27/2006 |
| Mercury | 0.005070 | mg/L | 0.00020 | 101 | 80 | 120 | | | |
| **Sample ID: 0609347-04A ms** | | *MS* | | | Batch ID: **11395** | | Analysis Date: | | 9/27/2006 |
| Mercury | 0.004710 | mg/L | 0.00020 | 94.2 | 75 | 125 | | | |

**Qualifiers:**

- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike recovery outside accepted recovery limits

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *15-Dec-06*

**CLIENT:** XTO Energy
**Project:** Ground Water
**Lab Order:** 0612120

**Lab ID:** 0612120-07
**Client Sample ID:** ~~OH Randel 7 MW-4~~
**Collection Date:** 12/5/2006 1:03:00 PM
**Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: NSB |
| Benzene | ND | 1.0 | | µg/L | 1 | 12/12/2006 4:06:20 AM |
| Toluene | ND | 1.0 | | µg/L | 1 | 12/12/2006 4:06:20 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/12/2006 4:06:20 AM |
| Xylenes, Total | ND | 3.0 | | µg/L | 1 | 12/12/2006 4:06:20 AM |
| Surr: 4-Bromofluorobenzene | 81.4 | 70.2-105 | | %REC | 1 | 12/12/2006 4:06:20 AM |

**Lab ID:** 0612120-08
**Client Sample ID:** McDaniel Gas Com BIE MW-1
**Collection Date:** 12/5/2006 2:13:00 PM
**Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: NSB |
| Benzene | ND | 1.0 | | µg/L | 1 | 12/12/2006 4:36:26 AM |
| Toluene | ND | 1.0 | | µg/L | 1 | 12/12/2006 4:36:26 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/12/2006 4:36:26 AM |
| Xylenes, Total | ND | 3.0 | | µg/L | 1 | 12/12/2006 4:36:26 AM |
| Surr: 4-Bromofluorobenzene | 79.5 | 70.2-105 | | %REC | 1 | 12/12/2006 4:36:26 AM |

**Lab ID:** 0612120-09
**Client Sample ID:** McDaniel Gas Com BIE MW-2
**Collection Date:** 12/5/2006 3:10:00 PM
**Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: NSB |
| Benzene | ND | 1.0 | | µg/L | 1 | 12/12/2006 5:06:30 AM |
| Toluene | ND | 1.0 | | µg/L | 1 | 12/12/2006 5:06:30 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/12/2006 5:06:30 AM |
| Xylenes, Total | ND | 3.0 | | µg/L | 1 | 12/12/2006 5:06:30 AM |
| Surr: 4-Bromofluorobenzene | 79.2 | 70.2-105 | | %REC | 1 | 12/12/2006 5:06:30 AM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *15-Dec-06*

**CLIENT:** XTO Energy
**Project:** Ground Water
**Lab Order:** 0612120

**Lab ID:** 0612120-10 **Collection Date:** 12/5/2006 3:17:00 PM
**Client Sample ID:** McDaniel Gas Com BIE MW-3 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: NSB |
| Benzene | ND | 1.0 | | µg/L | 1 | 12/13/2006 10:27:09 AM |
| Toluene | ND | 1.0 | | µg/L | 1 | 12/13/2006 10:27:09 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/13/2006 10:27:09 AM |
| Xylenes, Total | ND | 3.0 | | µg/L | 1 | 12/13/2006 10:27:09 AM |
| Surr: 4-Bromofluorobenzene | 81.2 | 70.2-105 | | %REC | 1 | 12/13/2006 10:27:09 AM |

**Lab ID:** 0612120-11 **Collection Date:**
**Client Sample ID:** 0512 2006 TBO1 **Matrix:** TRIP BLANK

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: NSB |
| Benzene | ND | 1.0 | | µg/L | 1 | 12/13/2006 10:57:15 AM |
| Toluene | ND | 1.0 | | µg/L | 1 | 12/13/2006 10:57:15 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/13/2006 10:57:15 AM |
| Xylenes, Total | ND | 3.0 | | µg/L | 1 | 12/13/2006 10:57:15 AM |
| Surr: 4-Bromofluorobenzene | 79.9 | 70.2-105 | | %REC | 1 | 12/13/2006 10:57:15 AM |

**Lab ID:** 0612120-12 **Collection Date:** 12/5/2006 3:50:00 PM
~~**Client Sample ID:** Sullivan Gas Com DI MW-1R~~ **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: NSB |
| Benzene | ND | 1.0 | | µg/L | 1 | 12/14/2006 3:14:42 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 12/14/2006 3:14:42 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/14/2006 3:14:42 PM |
| Xylenes, Total | ND | 3.0 | | µg/L | 1 | 12/14/2006 3:14:42 PM |
| Surr: 4-Bromofluorobenzene | 80.5 | 70.2-105 | | %REC | 1 | 12/14/2006 3:14:42 PM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# QA/QC SUMMARY REPORT

**Client:** XTO Energy
**Project:** Ground Water
**Work Order:** 0612120

| Analyte | Result | Units | PQL | %Rec | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Method: SW8021** | | | | | | | | | |
| **Sample ID: 0612120-02A MSD** | | *MSD* | | | Batch ID: | **R21754** | Analysis Date: | 12/12/2006 1:36:12 AM | |
| Benzene | 17.92 | µg/L | 1.0 | 87.5 | 85.9 | 113 | 6.25 | 27 | |
| Toluene | 17.88 | µg/L | 1.0 | 87.7 | 86.4 | 113 | 4.33 | 19 | |
| Ethylbenzene | 17.30 | µg/L | 1.0 | 86.5 | 83.5 | 118 | 4.82 | 10 | |
| Xylenes, Total | 51.71 | µg/L | 3.0 | 86.2 | 83.4 | 122 | 4.61 | 13 | |
| **Sample ID: b 15** | | *MBLK* | | | Batch ID: | **R21754** | Analysis Date: | 12/11/2006 3:54:38 PM | |
| Benzene | ND | µg/L | 1.0 | | | | | | |
| Toluene | ND | µg/L | 1.0 | | | | | | |
| Ethylbenzene | ND | µg/L | 1.0 | | | | | | |
| Xylenes, Total | ND | µg/L | 3.0 | | | | | | |
| **Sample ID: 5ML REAGENT BLA** | | *MBLK* | | | Batch ID: | **R21800** | Analysis Date: | 12/13/2006 8:26:25 AM | |
| Benzene | ND | µg/L | 1.0 | | | | | | |
| Toluene | ND | µg/L | 1.0 | | | | | | |
| Ethylbenzene | ND | µg/L | 1.0 | | | | | | |
| Xylenes, Total | ND | µg/L | 3.0 | | | | | | |
| **Sample ID: 5ML REAGENT BLA** | | *MBLK* | | | Batch ID: | **R21831** | Analysis Date: | 12/14/2006 8:42:55 AM | |
| Benzene | ND | µg/L | 1.0 | | | | | | |
| Toluene | ND | µg/L | 1.0 | | | | | | |
| Ethylbenzene | ND | µg/L | 1.0 | | | | | | |
| Xylenes, Total | ND | µg/L | 3.0 | | | | | | |
| **Sample ID: 100NG BTEX LCS II** | | *LCS* | | | Batch ID: | **R21754** | Analysis Date: | 12/12/2006 2:06:12 AM | |
| Benzene | 18.26 | µg/L | 1.0 | 90.3 | 85.9 | 113 | | | |
| Toluene | 18.31 | µg/L | 1.0 | 91.6 | 86.4 | 113 | | | |
| Ethylbenzene | 17.98 | µg/L | 1.0 | 89.9 | 83.5 | 118 | | | |
| Xylenes, Total | 53.73 | µg/L | 3.0 | 89.6 | 83.4 | 122 | | | |
| **Sample ID: 100NG BTEX LCS** | | *LCS* | | | Batch ID: | **R21800** | Analysis Date: | 12/13/2006 4:33:03 PM | |
| Benzene | 18.09 | µg/L | 1.0 | 90.4 | 85.9 | 113 | | | |
| Toluene | 17.99 | µg/L | 1.0 | 89.9 | 86.4 | 113 | | | |
| Ethylbenzene | 17.55 | µg/L | 1.0 | 87.7 | 83.5 | 118 | | | |
| Xylenes, Total | 52.58 | µg/L | 3.0 | 87.6 | 83.4 | 122 | | | |
| **Sample ID: 100NG BTEX LCS** | | *LCS* | | | Batch ID: | **R21831** | Analysis Date: | 12/14/2006 7:50:29 PM | |
| Benzene | 17.78 | µg/L | 1.0 | 88.9 | 85.9 | 113 | | | |
| Toluene | 17.85 | µg/L | 1.0 | 89.2 | 86.4 | 113 | | | |
| Ethylbenzene | 17.33 | µg/L | 1.0 | 86.6 | 83.5 | 118 | | | |
| Xylenes, Total | 52.15 | µg/L | 3.0 | 86.9 | 83.4 | 122 | | | |
| **Sample ID: 0612120-02A MS** | | *MS* | | | Batch ID: | **R21754** | Analysis Date: | 12/12/2006 1:06:08 AM | |
| Benzene | 19.07 | µg/L | 1.0 | 93.3 | 85.9 | 113 | | | |
| Toluene | 18.68 | µg/L | 1.0 | 91.7 | 86.4 | 113 | | | |
| Ethylbenzene | 18.16 | µg/L | 1.0 | 90.8 | 83.5 | 118 | | | |
| Xylenes, Total | 54.15 | µg/L | 3.0 | 90.2 | 83.4 | 122 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| R | RPD outside accepted recovery limits | S | Spike recovery outside accepted recovery limits |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *13-Mar-07*

**CLIENT:** XTO Energy
**Project:** Ground Water
**Lab Order:** 0703123

**Lab ID:** 0703123-04
**Client Sample ID:** ~~Haney GC 1E MW-2~~
**Collection Date:** 3/8/2007 10:22:00 AM
**Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 1.0 | | µg/L | 1 | 3/12/2007 3:58:54 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 3/12/2007 3:58:54 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 3/12/2007 3:58:54 PM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 3/12/2007 3:58:54 PM |
| Surr: 4-Bromofluorobenzene | 85.4 | 70.2-105 | | %REC | 1 | 3/12/2007 3:58:54 PM |

**Lab ID:** 0703123-05
**Client Sample ID:** ~~Haney GC 1E MW-4~~
**Collection Date:** 3/8/2007 10:39:00 AM
**Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 1.0 | | µg/L | 1 | 3/12/2007 4:28:57 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 3/12/2007 4:28:57 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 3/12/2007 4:28:57 PM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 3/12/2007 4:28:57 PM |
| Surr: 4-Bromofluorobenzene | 88.5 | 70.2-105 | | %REC | 1 | 3/12/2007 4:28:57 PM |

**Lab ID:** 0703123-06
**Client Sample ID:** McDaniel GC B1E MW-1
**Collection Date:** 3/8/2007 11:34:00 AM
**Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 1.0 | | µg/L | 1 | 3/12/2007 4:59:01 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 3/12/2007 4:59:01 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 3/12/2007 4:59:01 PM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 3/12/2007 4:59:01 PM |
| Surr: 4-Bromofluorobenzene | 86.8 | 70.2-105 | | %REC | 1 | 3/12/2007 4:59:01 PM |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit |
| S | Spike recovery outside accepted recovery limits |
| B | Analyte detected in the associated Method Blank |
| H | Holding times for preparation or analysis exceeded |
| MCL | Maximum Contaminant Level |
| RL | Reporting Limit |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *13-Mar-07*

**CLIENT:** XTO Energy
**Project:** Ground Water
**Lab Order:** 0703123

**Lab ID:** 0703123-07 **Collection Date:** 3/8/2007 11:52:00 AM
**Client Sample ID:** McDaniel GC B1E MW-2 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: NSB |
| Benzene | ND | 1.0 | | µg/L | 1 | 3/12/2007 7:59:55 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 3/12/2007 7:59:55 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 3/12/2007 7:59:55 PM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 3/12/2007 7:59:55 PM |
| Surr: 4-Bromofluorobenzene | 85.8 | 70.2-105 | | %REC | 1 | 3/12/2007 7:59:55 PM |

**Lab ID:** 0703123-08 **Collection Date:** 3/8/2007 12:54:00 PM
**Client Sample ID:** McDaniel GC B1E MW-3 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: NSB |
| Benzene | ND | 1.0 | | µg/L | 1 | 3/12/2007 8:29:59 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 3/12/2007 8:29:59 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 3/12/2007 8:29:59 PM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 3/12/2007 8:29:59 PM |
| Surr: 4-Bromofluorobenzene | 85.5 | 70.2-105 | | %REC | 1 | 3/12/2007 8:29:59 PM |

**Lab ID:** 0703123-09 **Collection Date:** 3/8/2007 1:34:00 PM
**Client Sample ID:** ~~OH Randel 7 MW-3~~ **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: NSB |
| Benzene | ND | 1.0 | | µg/L | 1 | 3/12/2007 9:00:02 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 3/12/2007 9:00:02 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 3/12/2007 9:00:02 PM |
| Xylenes, Total | 3.8 | 2.0 | | µg/L | 1 | 3/12/2007 9:00:02 PM |
| Surr: 4-Bromofluorobenzene | 88.0 | 70.2-105 | | %REC | 1 | 3/12/2007 9:00:02 PM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# QA/QC SUMMARY REPORT

**Client:** XTO Energy
**Project:** Ground Water
**Work Order:** 0703123

| Analyte | Result | Units | PQL | %Rec | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Method: SW8021** | | | | | | | | | |
| **Sample ID: 0703123-10A MSD** | | *MSD* | | | Batch ID: | **R22791** | Analysis Date: | | 3/12/2007 5:59:11 PM |
| Benzene | 20.46 | µg/L | 1.0 | 102 | 85.9 | 113 | 0.726 | 27 | |
| Toluene | 20.45 | µg/L | 1.0 | 102 | 86.4 | 113 | 0.156 | 19 | |
| Ethylbenzene | 20.55 | µg/L | 1.0 | 103 | 83.5 | 118 | 0.553 | 10 | |
| Xylenes, Total | 62.34 | µg/L | 2.0 | 104 | 83.4 | 122 | 0.115 | 13 | |
| **Sample ID: 5ML REAGENT BLA** | | *MBLK* | | | Batch ID: | **R22791** | Analysis Date: | | 3/12/2007 7:48:15 AM |
| Benzene | ND | µg/L | 1.0 | | | | | | |
| Toluene | ND | µg/L | 1.0 | | | | | | |
| Ethylbenzene | ND | µg/L | 1.0 | | | | | | |
| Xylenes, Total | ND | µg/L | 2.0 | | | | | | |
| **Sample ID: 100NG BTEX LCS** | | *LCS* | | | Batch ID: | **R22791** | Analysis Date: | | 3/12/2007 6:29:11 PM |
| Benzene | 20.59 | µg/L | 1.0 | 103 | 85.9 | 113 | | | |
| Toluene | 20.69 | µg/L | 1.0 | 103 | 86.4 | 113 | | | |
| Ethylbenzene | 20.53 | µg/L | 1.0 | 103 | 83.5 | 118 | | | |
| Xylenes, Total | 62.49 | µg/L | 2.0 | 104 | 83.4 | 122 | | | |
| **Sample ID: 0703123-10A MS** | | *MS* | | | Batch ID: | **R22791** | Analysis Date: | | 3/12/2007 5:29:09 PM |
| Benzene | 20.31 | µg/L | 1.0 | 102 | 85.9 | 113 | | | |
| Toluene | 20.49 | µg/L | 1.0 | 102 | 86.4 | 113 | | | |
| Ethylbenzene | 20.67 | µg/L | 1.0 | 103 | 83.5 | 118 | | | |
| Xylenes, Total | 62.41 | µg/L | 2.0 | 104 | 83.4 | 122 | | | |

Qualifiers:

| | | | |
|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| R | RPD outside accepted recovery limits | S | Spike recovery outside accepted recovery limits |

BO 191

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

*SUBMIT IN TRIPLICATE*

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit or (CA) Agreement Designation
SW27

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
McDANIEL GC B 1E

2. Name of Operator
Amoco Production Company

9. API Well No.
3004523855

3. Address and Telephone No.
200 Amoco Court, Farmington, N.M. 87401 Tel: (505) 326-9200

10. Field and Pool, or Exploratory Area
DAKOTA

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SE/4 NW/4, SEC. 26, T 29 N, R 10W, NMPM

11. County or Parish, State
SAN JUAN, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | |
|---|---|---|
| ☐ Notice of Intent | ☐ Abandonment | ☐ Change of Plans |
| ☒ Subsequent Report | ☐ Recompletion | ☐ New Construction |
| ☐ Final Abandonment Notice | ☐ Plugging Back | ☐ Non-Routine Fracturing |
| | ☐ Casing Repair | ☐ Water Shut-Off |
| | ☐ Altering Casing | ☐ Conversion to Injection |
| | ☒ Other Pit closure | ☐ Dispose Water |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Pit closure verification - see attached documentation.

DEHYDRATOR PIT - ABANDONED, GROUNDWATER IMPACTED.
SF 2/14/00

14. I hereby certify that the foregoing is true and correct

Signed [signature] Title ENVIRO. COORDINATOR Date 12/30/94

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

BO 191

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

# PIT REMEDIATION AND CLOSURE REPORT

**Operator:** Amoco Production Company **Telephone:** (505) -326-9200

**Address:** 200 Amoco Court, Farmington, New Mexico 87401

**Facility Or: Well Name** McDANIEL GC B 1E

**Location:** Unit or Qtr/Qtr Sec F Sec 26 T 29N R 10W County SAN JUAN

**Pit Type:** Separator ___ Dehydrator X Other ___

**Land Type:** BLM ___, State ___, Fee ___, Other COM. AGMT.

**Pit Location:** (Attach diagram)
Pit dimensions: length 20', width 23', depth 4'
Reference: wellhead X, other ___
Footage from reference: 110'
Direction from reference: 32 Degrees ___ East X North ___ of ___ West ___ South X

| | | |
|---|---|---|
| **Depth To Ground Water:** (Vertical distance from contaminants to seasonal high water elevation of ground water) | Less than 50 feet (20 points)<br>50 feet to 99 feet (10 points)<br>Greater than 100 feet (0 Points) | 20 |
| **Wellhead Protection Area:** (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources) | Yes (20 points)<br>No (0 points) | 0 |
| **Distance To Surface Water:** (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches) | Less than 200 feet (20 points)<br>200 feet to 1000 feet (10 points)<br>Greater than 1000 feet (0 points) | 20 |
| | **RANKING SCORE (TOTAL POINTS):** | 40 |

B0191

**Date Remediation Started:** _____ **Date Completed:** 12/30/94

**Remediation Method:** (Check all appropriate sections)
Excavation X Approx. cubic yards 50
Landfarmed X Insitu Bioremediation ___
Other _____

**Remediation Location:** (ie. landfarmed onsite, name and location of offsite facility)
Onsite ~~X~~ Offsite X BACA GC A #1A. (F-26-29-10)

**General Description Of Remedial Action:**
Excavation GROUNDWATER PUMPED & HAULED. LANDFARM SOIL MIXED WITH BACA GC A #1A - REFER TO BACA GC A #1A FOR LANDFARM CLOSURE INFORMATION.

**Ground Water Encountered:** No ___ Yes X Depth 3'

**Final Pit: Closure Sampling:** (if multiple samples, attach sample results and diagram of sample locations and depths)
Sample location see Attached Documents
MULTIPLE SAMPLES
Sample depth _____
Sample date _____ Sample time _____
Sample Results
Benzene(ppm) _____
Total BTEX(ppm) _____
Field headspace(ppm) _____
TPH _____

**Ground Water Sample:** Yes X No ___ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 12/30/94
SIGNATURE B J Shaw
PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator

RE0

CLIENT: AMOCO

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: B0191
2329
C.O.C. NO: 2563

# FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: McDANIEL GC WELL #: 8 1E PIT: DEH4

QUAD/UNIT: F SEC: 26 TWP: 29N RNG: 10W PM: NM CNTY: SJ ST: NM

QTR/FOOTAGE: SE/4 NW/4 CONTRACTOR: P. VELASQUEZ

DATE STARTED: 12/15/94
DATE FINISHED:

ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. 20 FT. x 23 FT. x 4 FT. DEEP. CUBIC YARDAGE: 50
BACA GC A #1A (F-26-29-10)

DISPOSAL FACILITY: ~~ON SITE~~ REMEDIATION METHOD: LANDFARMED

LAND USE: RANGE LEASE: - FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 110 FT. S32E FROM WELLHEAD.

DEPTH TO GROUNDWATER: <50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: <200'

NMOCD RANKING SCORE: 40 NMOCD TPH CLOSURE STD: 100 PPM

CHECK ONE:
✓ PIT ABANDONED
___ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

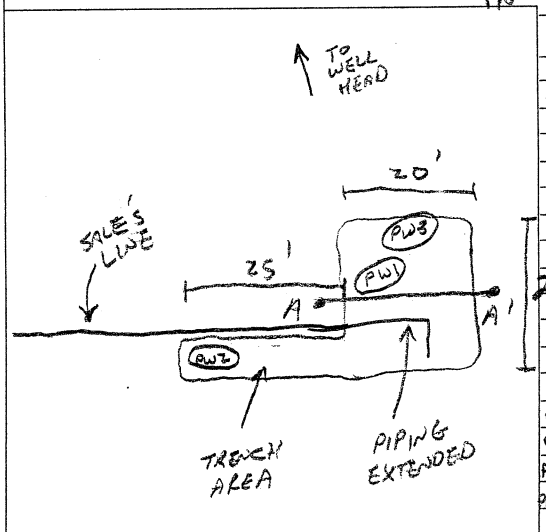
COLLECTED WATER SAMPLE ONLY. NO APPARENT HC ODOR IN SAMPLE CONTAINER OR VISIBLE INDICATION. SLIGHT SHEEN IN GROUNDWATER OBSERVED IN TRENCH AREA. UNABLE TO COLLECT SOIL SAMPLE(S) FROM ANY SIDEWALLS. GROUNDWATER PUMPED BY TRIPLE S & HAULED.

FIELD 418.1 CALCULATIONS

| TIME | SAMPLE I.D. | LAB No: | WEIGHT (g) | mL. FREON | DILUTION | READING | CALC. ppm |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

SCALE
0 FT

## PIT PERIMETER



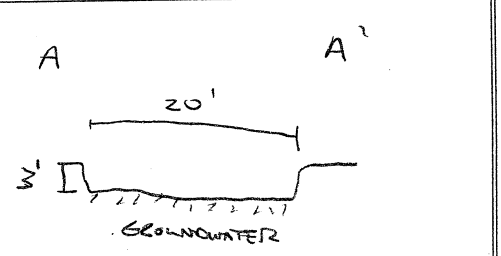

## OVM RESULTS

| SAMPLE ID | FIELD HEADSPACE PID (ppm) |
|---|---|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |

LAB SAMPLES

| SAMPLE ID | ANALYSIS | TIME | |
|---|---|---|---|
| PW1 @ GW (3') | BTEX | 1420 | 12/15 FAILED |
| PW2 @ GW (3') | BTEX | 0925 | 12/28 FAILED |
| PW3 @ GW (3') | BTEX | 1400 | 12/28 PASSED |

## PIT PROFILE




TRAVEL NOTES: CALLOUT: 12/14/94 ONSITE: 12/15/94

OFF: (505) 325-8786

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-5667

# AROMATIC VOLATILE ORGANICS

| | | | |
|---|---|---|---|
| Attn: | *Nelson Velez* | Date: | 12/16/94 |
| Company: | *Blagg Engineering* | *Lab ID:* | *2329* |
| Address: | *P.O. Box 87* | *Sample ID:* | *4403* |
| City, State: | *Bloomfield, NM 87413* | *Job No.* | *2-1000* |

| | | | | | |
|---|---|---|---|---|---|
| Project Name: | ***McDaniel GC B 1 E*** | | | | |
| Project Location: | ***PW 1 @ GW (3') - Dehy Pit*** | | | | |
| Sampled by: | NV | Date: | 12/15/94 | Time: | 14:20 |
| Analyzed by: | DLA | Date: | 12/16/94 | | |
| Sample Matrix: | *Water* | | | | |

***Aromatic Volatile Organics***

| ***Component*** | ***Measured Concentration ug/L*** | ***Detection Limit Concentration ug/L*** |
|---|---|---|
| *Benzene* | 130.9 | *0.2* |
| *Toluene* | 84.4 | *0.2* |
| *Ethylbenzene* | 30.7 | *0.2* |
| *m,p-Xylene* | 284.6 | *0.2* |
| *o-Xylene* | 53.7 | *0.2* |
| | *TOTAL* *584.4 ug/L* | |

*ND - Not Detectable*

***Method*** - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

*Approved by:* DaLk

*Date:* 12/19/94

OFF: (505) 325-8786

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-5667

## AROMATIC VOLATILE ORGANICS

| | | | |
|---|---|---|---|
| Attn: | *Nelson Velez* | Date: | 12/22/94 |
| Company: | *Blagg Engineering* | *Lab ID:* | *2563* |
| Address: | *P.O. Box 87* | *Sample ID:* | *4480* |
| City, State: | *Bloomfield, NM 87413* | *Job No.* | *2-1000* |

| | | | | | |
|---|---|---|---|---|---|
| Project Name: | ***McDaniel GC B 1 E*** | | | | |
| Project Location: | ***PW 2 @ GW ( 3' ) - Dehy Pit*** | | | | |
| Sampled by: | NV | Date: | 12/21/94 | Time: | 9:25 |
| Analyzed by: | DLA | Date: | 12/22/94 | | |
| Sample Matrix: | *Water* | | | | |

***Aromatic Volatile Organics***

| ***Component*** | ***Measured Concentration ug/L*** | ***Detection Limit Concentration ug/L*** |
|---|---|---|
| *Benzene* | 112.6 | *0.2* |
| *Toluene* | 36.1 | *0.2* |
| *Ethylbenzene* | 24.0 | *0.2* |
| *m,p-Xylene* | 308.8 | *0.2* |
| *o-Xylene* | 57.4 | *0.2* |
| | *TOTAL* *539.0 ug/L* | |

*ND - Not Detectable*

***Method*** - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

*Approved by:* DLA

*Date:* 12/22/94

OFF: (505) 325-8786

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-5667

# AROMATIC VOLATILE ORGANICS

| | | | |
|---|---|---|---|
| Attn: | *Nelson Velez* | Date: | 12/30/94 |
| Company: | *Blagg Engineering* | *Lab ID:* | *2515* |
| Address: | *P.O. Box 87* | *Sample ID:* | *4550* |
| City, State: | *Bloomfield, NM 87413* | *Job No.* | *2-1000* |

| | | | | | |
|---|---|---|---|---|---|
| Project Name: | ***McDaniel GC B 1 E*** | | | | |
| Project Location: | ***PW 3 @ GW ( 3' ) - Dehy Pit*** | | | | |
| Sampled by: | NV | Date: | 12/28/94 | Time: | 14:00 |
| Analyzed by: | DLA | Date: | 12/30/94 | | |
| Sample Matrix: | *Water* | | | | |

***Aromatic Volatile Organics***

| ***Component*** | ***Measured Concentration ug/L*** | ***Detection Limit Concentration ug/L*** |
|---|---|---|
| *Benzene* | 0.8 | *0.2* |
| *Toluene* | 0.5 | *0.2* |
| *Ethylbenzene* | 0.3 | *0.2* |
| *m,p-Xylene* | 4.2 | *0.2* |
| *o-Xylene* | 0.8 | *0.2* |
| | *TOTAL* *6.7 ug/L* | |

*ND - Not Detectable*

***Method*** - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

*Approved by:*
*Date:* 12/30/94

# CHAIN OF CUSTODY RECORD

2329

ON SITE TECHNOLOGIES, LTD.

657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

Date: 12/15/94

Page 1 of 1

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| | | | |
|---|---|---|---|
| Purchase Order No.: | Reference No.: | | |
| SEND INVOICE TO: Name | | REPORT RESULTS TO: Name | Nelson Velez / Title PG |
| Company | Kurz Engineering / Dept. | Company | Same |
| Address | P.O. Box 87 | Mailing Address | Same |
| City, State, Zip | Bloomfield, NM 87413 | City, State, Zip | Same |
| | | Telephone No. | 632-1199 / Telefax No. |

Special Instructions: McDaniel GC B 1 E

Sampler: Nelson Velez

| SAMPLE IDENTIFICATION | DATE/TIME SAMPLED | COMPOSITE/ GRAB | PRESERVATIVES | Number of Containers | BTEX (8020) | | | 4403-2329 | | | | | | Remarks (matrix) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PW 1 EGW(3')-DEHY PIT | 12/15/94 1420 | GRAB | HgCl | 2 | ✓ | | | | | | | | | WATER |
| | | | | | | | | | | | | | | |
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ANALYSIS REQUESTED

| | | | |
|---|---|---|---|
| Relinquished by: Nelson Velez | Date/Time 12/16/94 0749 | Received by: Helen J. Alfaro | Date/Time 12/16/94 0749 |
| Relinquished by: | Date/Time | Received by: | Date/Time |
| Relinquished by: | Date/Time | Received by: | Date/Time |

| Method of Shipment: | Rush | 5 Working Days | 10 Working Days | Sampling Location: |
|---|---|---|---|---|
| | | | | |

Authorized by: _____ Date _____
(Client Signature Must Accompany Request)

Distribution: White – On Site Yellow – LAB Pink – Sampler Goldenrod – Client

# CHAIN OF CUSTODY RECORD

2563

ON SITE TECHNOLOGIES, LTD.

657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

Date: 12/21/94

Page 1 of 1

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| | | | |
|---|---|---|---|
| Purchase Order No.: | Job No. | | |
| SEND INVOICE TO: Name | | REPORT RESULTS TO: Name | Nelson Velez — Title PE |
| Company | Blagg Engineering — Dept. | Company | same |
| Address | P.O. Box 87 | Mailing Address | same |
| City, State, Zip | Bloomfield, NM 87413 | City, State, Zip | same |
| | | Telephone No. | 632-1199 — Telefax No. |
| Sampling Location: | McDaniel GC #2E | | |
| Sampler: | Nelson Velez | | |

| SAMPLE IDENTIFICATION | SAMPLE DATE | SAMPLE TIME | MATRIX | PRES. | Number of Containers | ANALYSIS REQUESTED: BTEX (8020) | LAB ID |
|---|---|---|---|---|---|---|---|
| PW2 @ GW (3') - DEHY PIT | 12/21/94 | 0925 | WATER | HgCl | 2 | ✓ | 4420-25691 |
| | | | | | | | |
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| | | | |
|---|---|---|---|
| Relinquished by: Nelson Velez | Date/Time 12/21/94 1337 | Received by: Glenn L. Spencer | Date/Time 12/21/94 1337 |
| Relinquished by: | Date/Time | Received by: | Date/Time |
| Relinquished by: | Date/Time | Received by: | Date/Time |

Method of Shipment:

Authorized by: _____ Date _____
(Client Signature Must Accompany Request)

| Rush | 24-48 Hours | 10 Working Days | Special Instructions: |
|---|---|---|---|
| | | | |

Distribution: White – On Site Yellow – LAB Pink – Sampler Goldenrod – Client

# CHAIN OF CUSTODY RECORD

2515

ON SITE TECHNOLOGIES, LTD.

657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

Date: 12/28/94

Page 1 of 1

B0191

| | | | |
|---|---|---|---|
| Purchase Order No.: | Job No. | | |
| SEND INVOICE TO: Name | | REPORT RESULTS TO: Name NELSON VELEZ | Title PE |
| Company BLAGG ENGINEERING | Dept. | Company SAME | |
| Address P. O. BOX 87 | | Mailing Address SAME | |
| City, State, Zip BLOOMFIELD, NM 87413 | | City, State, Zip SAME | |
| | | Telephone No. 632-1199 | Telefax No. |

Sampling Location: McDANIEL GC B1E

Sampler: Nelson Velez

| SAMPLE IDENTIFICATION | SAMPLE DATE | SAMPLE TIME | MATRIX | PRES. | Number of Containers | BTEX (8020) | 8041 | LAB ID |
|---|---|---|---|---|---|---|---|---|
| PW3 @ GW (3') - DEHY PIT | 12/28/94 | 1400 | WATER | HgCl | 2 | ✓ | | 4550-2515 |

ANALYSIS REQUESTED

| | | | |
|---|---|---|---|
| Relinquished by: Nelson Velez | Date/Time 12/29/94 1438 | Received by: Sheri L. Glenn | Date/Time 12/29/94 14:38 |
| Relinquished by: | Date/Time | Received by: | Date/Time |
| Relinquished by: | Date/Time | Received by: | Date/Time |

Method of Shipment:

Authorized by: _____ Date _____
(Client Signature Must Accompany Request)

| Rush | 24-48 Hours | 10 Working Days | Special Instructions: |
|---|---|---|---|
| | | | |

Distribution: White – On Site Yellow – LAB Pink – Sampler Goldenrod – Client