3R - 385

ANNUAL MONITORING REPORT

03/07/2008

March 7, 2008

Mr. Glenn von Gonten
Hydrologist-Groundwater Remediation
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Annual Groundwater Remediation Reports

Dear Mr. von Gonten,

XTO Energy Inc. (XTO) is submitting the Annual Groundwater Remediation Reports in accordance with the NMOCD approved Groundwater Management Plan (GMP). Enclosed are summary reports with analytical data, summary tables, site maps, potentiometric surface diagrams and recommendations/proposed actions for:

- Bruington Gas Com #1- 3RP106
- Carson Gas Com #1E
- EJ Johnson C #1E- 3RP385
- Federal Gas Com #H1 3R 110
- Frost, Jack B #2
- McCoy GC D #1E
- OH Randel #7- 3RP386
- PO Pipken #3E 3R 409
- Rowland Gas Com #1- 3RP124
- Snyder Gas Com #1A- 3RP126
- Sullivan Gas Com D #1- 3RP131
- Valdez A #1E- 3RP134

We have also enclosed an Annual Report for ten sites that meet the closure requirements outlined in the GMP. XTO respectfully requests closure of:

- Baca Gas Com A #1A- 3RP104
- Garcia Gas Com B #1- 3RP111
- Haney Gas Com B #1E- 3RP113
- Hare Gas Com B #1
- Hare Gas Com B #1E- 3RP384
- Hare Gas Com I #1
- Masden Gas Com #1E- 3RP120
- McDaniel Gas Com B #1E- 3RP121
- Stedje Gas Com #1- 3RP128
- Sullivan Frame A #1E- 3RP130

In previously submitted reports five sites met the closure requirements outlined in the GMP and XTO requested closure on those sites in 2006 and 2007. The reports for the below listed sites are being submitted again for your review.

- Abrams J #1- 3RP100
- Armenta Gas Com C #1E- 3RP394
- Bergin Gas Com #1E- 3RP105
- Romero Gas Com A #1- 3RP123
- State Gas Com BS #1- 3RP127

Thank you for your review of the reports. XTO looks forward to hearing from you regarding closure requests and proposed remediation actions. If you have any questions please do not hesitate to contact me at (505) 333-3100.

Respectfully,

Lisa Winn
EH & S Manager
San Juan Division

cc: Mr. Brandon Powell, Environmental, NMOCD District III Office, Aztec, NM
Mr. Martin Nee, Lodestar Services Inc.
File- San Juan Groundwater

3R 385

XTO ENERGY INC.

ANNUAL GROUNDWATER REPORT

2007

E.J. JOHNSON C #1E
(C) SECTION 21 – T27N – R10W, NMPM
SAN JUAN COUNTY, NEW MEXICO

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

January 2008

TABLE OF CONTENTS

2007 XTO GROUNDWATER REPORT

E.J. JOHNSON C #1E

SITE DETAILS

LEGALS - TWN: 27N **RNG:** 10W **SEC:** 21 **UNIT:** C
NMOCD HAZARD RANKING: 20 **LAND TYPE:** FEDERAL

PREVIOUS ACTIVITIES

Excavation: Aug-94 (440 CY) **Monitoring Wells:** Sep-99
Quarterly Sampling Initiated: Sep-99
Additional Monitoring Wells: Jan-02, Jul-03 & Apr-07

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. General water quality data from 1999 and 2002 is included as Table 2. Copies of the laboratory data sheets and associated quality assurance/quality control data for 2007 are presented as Attachment 1.

POTENTIOMETRIC SURFACE DIAGRAMS

Field data colleted during site monitoring activities indicate a groundwater gradient that consistently trends west with a slight northwest component. The estimated groundwater flow has been constant and parallels the nearby surface drainage (Kutz Wash). In June 2007 a new data point (MW-6) revealed that the groundwater gradient becomes steeper as it approaches the adjacent drainage. Figures 2 - 5 illustrate the estimated groundwater gradient observed in 2007.

ANNUAL GROUNDWATER REMEDIATION REPORTS

The 2005 annual groundwater report was submitted to New Mexico Oil Conservation Division (NMOCD) in January 2006, proposing installation of an additional monitoring well and termination of quarterly sampling for benzene, toluene, ethyl benzene and total xylenes (BTEX) in groundwater monitoring wells MW-1 through MW-4, in accordance with the NMOCD approved Groundwater Management Plan.

The 2006 annual groundwater report was submitted to NMOCD in February 2007, proposing installation of an additional monitoring well to delineate potential impact in the down gradient direction, continued quarterly sampling of MW-5 for BTEX and annual sampling of MW-1, MW-2, MW-3, MW-5 for total dissolved solids (TDS) in accordance with the NMOCD approved Groundwater Management Plan.

2007 ACTIVITIES

Monitoring well numbered MW-6 was installed northwest of MW-5 in April 2007 and sampled in June 2007. BTEX constituents were not detected above the laboratory equipment detection limits (0.2 ug/L). No further sampling for BTEX was conducted in accordance with the NMOCD approved Groundwater Management Plan. Monitoring well MW-5 was sampled quarterly during 2007. While benzene levels in MW-5 are decreasing

and are currently below New Mexico Water Quality Control Commission (NMWQCC) standards there was one quarter documented as being only slightly above standards. Annual groundwater sampling for TDS in monitoring wells MW-1, MW-2, MW-3, MW-5 and MW-6 were collected. TDS concentrations ranged between 1,900 and 2,900 mg/L in September 2007.

GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

Bore/Test Hole Reports are presented as Figures 6-9 representing drilling that occurred on site in January 2002, July 2003 and April 2007.

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

XTO Energy Inc. (XTO) understands remedial efforts at this location initially included the excavation of approximately 440 cubic yards of hydrocarbon impacted soil from a production pit tank in 1994. Groundwater was encountered at approximately 10 feet below ground surface and was removed with pump trucks until test results identified residual hydrocarbon levels below NMWQCC closure standards. In January 1998 XTO acquired the E.J. Johnson C #1E from Amoco Production Company and resumed remedial activities.

BTEX and general chemistry results for quarterly sampling events are summarized in Tables 1 and 2. Groundwater from monitoring wells MW-1 through MW-3 has been below laboratory equipment detection limits (0.2 ug/L) or below the NMWQCC groundwater standards and sampling in those wells was terminated in 2003. In response to NMOCD correspondence dated December 26, 2001, XTO installed a down gradient monitoring well (MW-4) in January 2002. MW-4 is down gradient of the source area, and an additional down gradient monitoring well (MW-5) was installed further down gradient of MW-4 in July 2003. The 2006 annual groundwater report included a proposal for an additional groundwater monitoring well to further delineate the potential of hydrocarbon impact in the down gradient direction. XTO proposed to install the additional groundwater monitoring well (MW-6) northwest of MW-5 which was completed in April 2007.

Groundwater from MW-4 has been below laboratory equipment detection limits (0.2 ug/L) or below the NMWQCC groundwater standards and sampling was terminated in 2004. Laboratory results indicate concentrations of BTEX were not detected in monitoring well MW-6 while concentrations of benzene in a sample collected from upgradient MW-5 remained above NMWQCC standards. A review of historical results from MW-5 indicates natural degradation of hydrocarbons and groundwater from MW-6 suggests there is no downgradient migration. No further testing was performed in MW-6 in accordance with the NMOCD approved Groundwater Management Plan

Total dissolved solids (TDS) levels within all monitoring wells exceed NMWQCC standards (1,900 – 2,900 mg/L respectively) during the 2007 sampling events.

RECOMMENDATIONS

- Quarterly samplings of groundwater for BTEX concentrations in MW-5 until analytical results confirm NMWQCC groundwater standards have been met.
- Annual sampling of groundwater for TDS in all monitoring wells until analytical results confirm NMWQCC groundwater standards have been met.
- 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

JOHNSON, E.J. C #1E- PROD. TANK PIT
UNIT C, SEC. 21, T27N, 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)	Chloride	TDS
27-Sep-99	MW #1	15.32	20.00		13.9	11.0	17.2	10.0		
18-Feb-00		15.39			2.4	ND	11.0	ND		
20-Jun-00		15.19			3.8	1.6	16	ND		
23-Jun-03		16.27			1.0	0.91	ND	ND		
26-Aug-03		16.28			0.52	ND	ND	ND		
20-Sep-06		16.8	23.34						7.3	1900
25-Sep-07		16.63	17.30							1900
20-Dec-07		16.2	17.30							
27-Sep-99	MW #2	12.96	20.00		58.7	39.0	90.2	107.4		
18-Feb-00		13.08			ND	ND	86	42.6		
20-Jun-00		12.86			ND	ND	41	12.5		
23-Jun-03		13.90			ND	11	15	1.3		
26-Aug-03		13.89			ND	ND	35	2.0		
20-Sep-06		14.44	20.21						4	1600
25-Sep-07		14.22	20.21							2100
20-Dec-07		13.88	20.21							
27-Sep-99	MW #3	8.24	20.00		22.7	3.3	2.1	11.6		
18-Feb-00		8.51			ND	ND	ND	ND		
20-Jun-00		8.14			ND	ND	ND	ND		
23-Jun-03		9.30			ND	ND	ND	ND		
26-Aug-03		9.28			ND	ND	ND	ND		
20-Sep-06		9.91	17.41						8.2	2600
25-Sep-07		9.85	17.41							2900
20-Dec-07		9.53	17.41							
20-Feb-02	MW #4	12.63	19.80		120	33	840	3,540		
23-Jun-03		12.38			1.1	22	7.3	17		
26-Aug-03		12.36			2.2	ND	31	15		
24-Nov-03		12.15			1.3	ND	38	18		
26-Mar-04		12.17			ND	ND	ND	7.0		
16-Jun-04		12.00			0.92	ND	9.3	4.2		
25-Sep-07					Monitor Well Missing					
20-Dec-07					Monitor Well Missing					
26-Aug-03	MW #5	15.50	20.00		64	1,100	520	4,200		
24-Nov-03		12.35			100	43	190	940		
26-Mar-04		12.39			51	ND	61	300		
16-Jun-04		12.22			61	3.2	76	380		
28-Jun-05		12.44			23	ND	15	71		
20-Sep-06		13.02	19.84		2.9	ND	ND	ND	20	1800
28-Mar-07		13.1	19.84		8.2	ND	ND	ND		
12-Jun-07		12.74	19.84		15	ND	ND	ND		

XTO ENERGY INC. GROUNDWATER LAB RESULTS

JOHNSON, E.J. C #1E- PROD. TANK PIT
UNIT C, SEC. 21, T27N, 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)	Chloride	TDS
25-Sep-07		12.91	19.84		8.2	ND	ND	ND		1900
20-Dec-07					9	ND	ND	ND		
12-Jun-07	MW #6	14.8	27.14		ND	ND	ND	ND		
28-Sep-07		15.21	27.14							2200
20-Dec-07		15.05	27.14							
NMWQCC GROUNDWATER STANDARDS					10	750	750	620	250	1000

TABLE 2

XTO ENERGY INC. GROUNDWATER LAB RESULTS

JOHNSON, E.J. C #1E- PROD. TANK PIT
UNIT C, SEC. 21, T27N, R10W

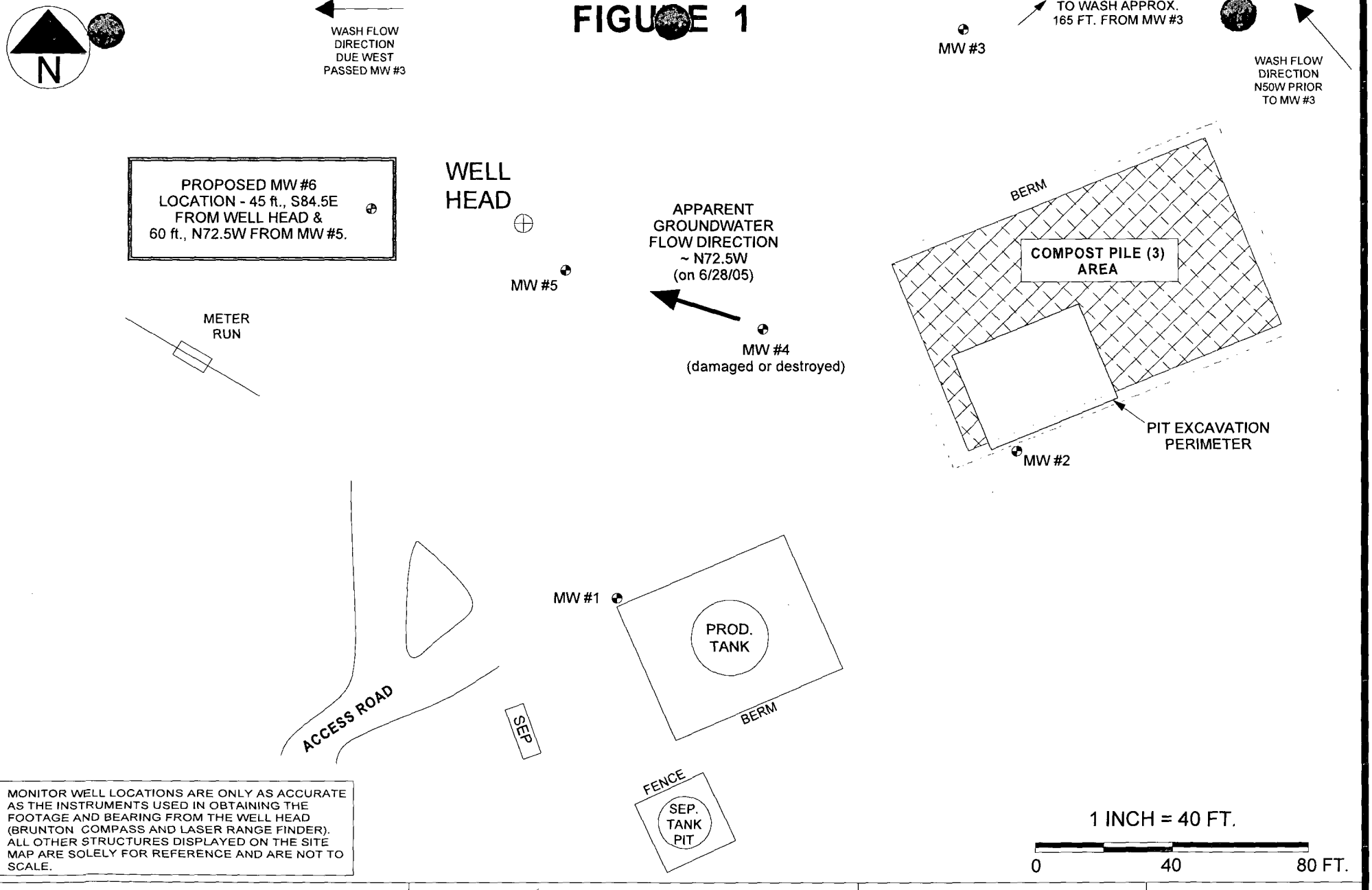
Sample Date: September 27, 1999
February 20, 2002

PARAMETERS	MW #1R 09/27/99	MW #2R 09/27/99	MW #3 09/27/99	MW #4 02/20/02	UNITS
LAB Ph	7.51	8.09	7.85	8.05	s.u.
LAB CONDUCTIVITY @ 25 C	6,920	1,472	6,840	10,600	umhos/cm
TOTAL DISSOLVED SOLIDS @ 180 C	3,440	720	3,410	5,810	mg/L
TOTAL DISSOLVED SOLIDS (Calc)	3,400	710	3,320	5,700	mg/L
SODIUM ABSORPTION RATIO	27.4	11.5	29.3	70.9	ratio
TOTAL ALKALINITY AS CaCO3	648	482	376	1,560	mg/L
TOTAL HARDNESS AS CaCO3	260	72	220	152	mg/L
BICARBONATE AS HCO3	648	482	376	1,560	mg/L
CARBONATE AS CO3	< 1	< 1	< 1	< 0.1	mg/L
HYDROXIDE AS OH	< 1	< 1	< 1	< 0.1	mg/L
NITRATE NITORGEN	0.2	0.2	0.1	0.8	mg/L
NITRITE NITROGEN	0.005	0.015	0.005	0.064	mg/L
CHLORIDE	5.0	15	18	1030	mg/L
FLUORIDE	2.1	0.96	1.66	0.88	mg/L
PHOSPHATE	0.7	3.4	0.5	119	mg/L
SULFATE	1,870	140	1,990	1,540	mg/L
IRON	0.011	0.147	0.008	0.135	mg/L
CALCIUM	88	25.6	60	46.4	mg/L
MAGNESIUM	9.8	2	17.1	8.79	mg/L
POTASSIUM	7.5	7.5	7.5	0.5	mg/L
SODIUM	1,020	225	1,000	2,010	mg/L
CATION/ANION DIFFERENCE	0.14	0.19	0.24	0.02	%

Sample Date: September 20, 2006

PARAMETERS	MW #1R 09/20/06	MW #2R 09/20/06	MW #3 09/20/06	MW #5 09/20/06	UNITS
TOTAL DISSOLVED SOLIDS (Calc)	1,900	1,600	2,600	1,800	mg/L
CHLORIDE	7.3	4	8.2	20	mg/L

FIGURE 1



MONITOR WELL LOCATIONS ARE ONLY AS ACCURATE AS THE INSTRUMENTS USED IN OBTAINING THE FOOTAGE AND BEARING FROM THE WELL HEAD (BRUNTON COMPASS AND LASER RANGE FINDER). ALL OTHER STRUCTURES DISPLAYED ON THE SITE MAP ARE SOLELY FOR REFERENCE AND ARE NOT TO SCALE.

XTO ENERGY INC.

JOHNSON, E.J. C #1E

NE/4 NW/4, SEC. 21, T27N, R10W

SAN JUAN COUNTY, NEW MEXICO

BLAGG ENGINEERING, INC.

CONSULTING PETROLEUM / RECLAMATION SERVICES

P.O. BOX 87

BLOOMFIELD, NEW MEXICO 87413

PHONE: (505) 632-1199

PROJECT: DELINEATION

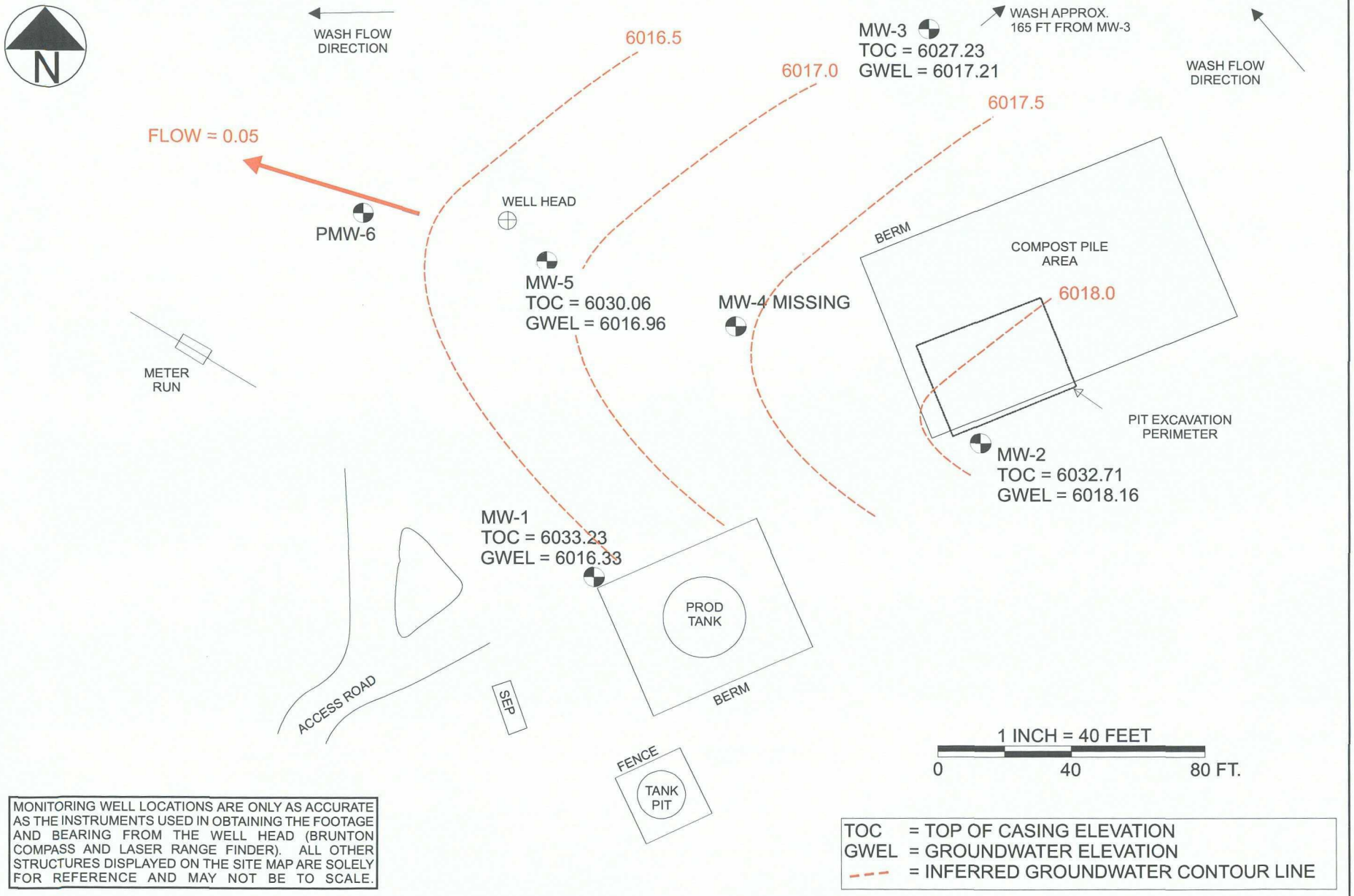
DRAWN BY: NJV

FILENAME: 05-22-06-SM.SKF

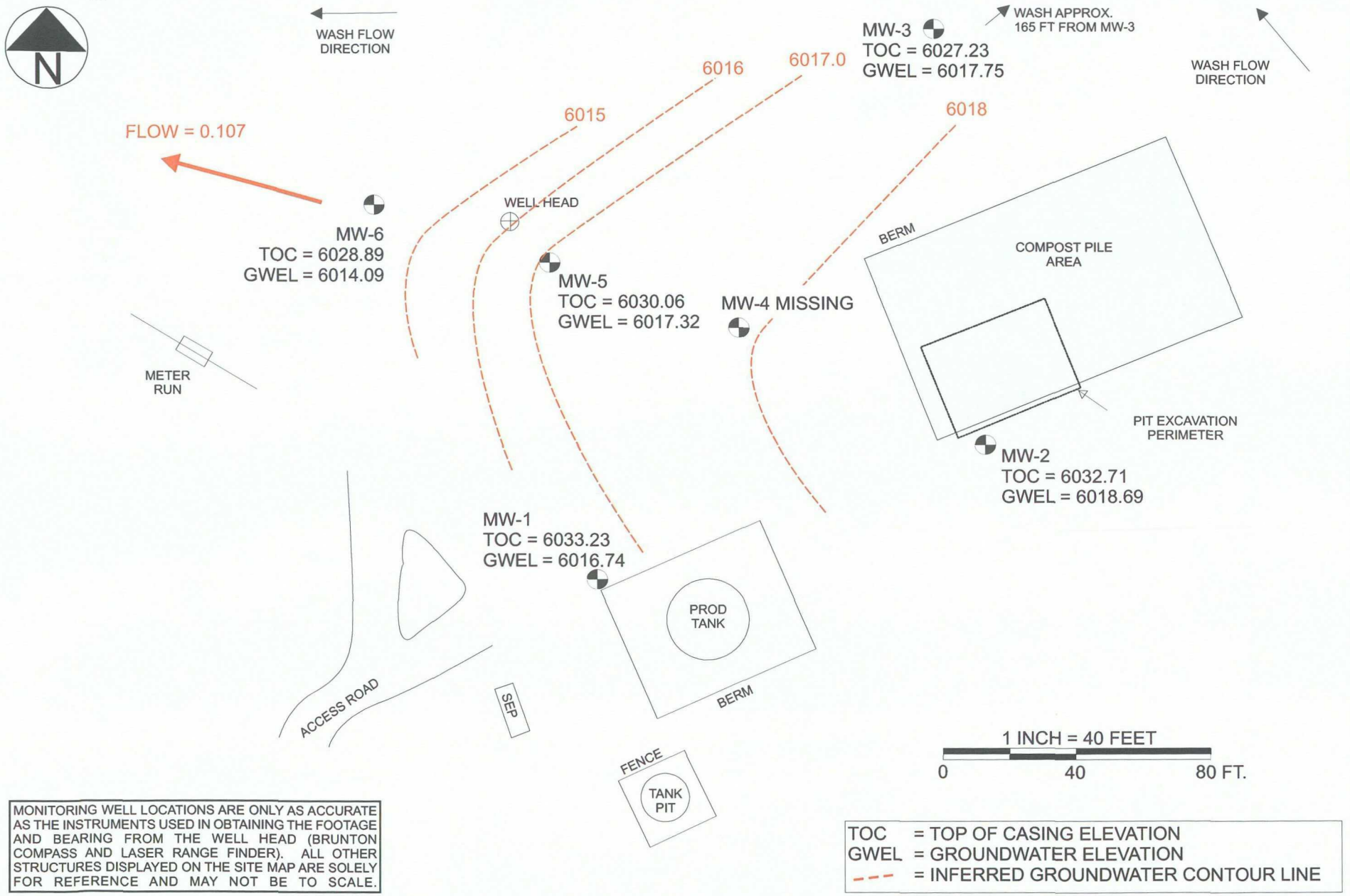
REVISED: 05/19/06

SITE MAP

05/06



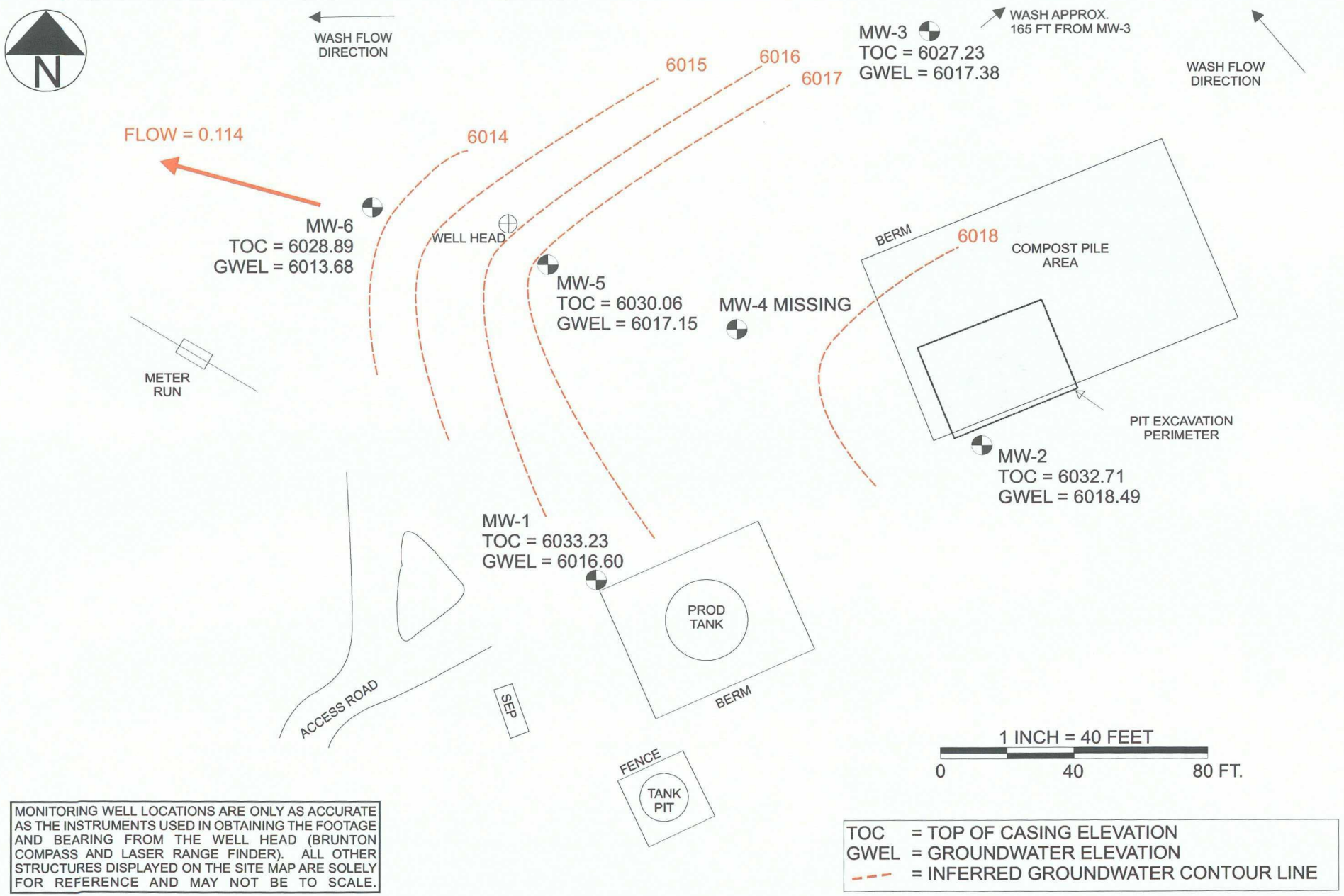
Lodestar Services, Inc PO Box 3861 Farmington, NM 87499	E.J. JOHNSON C #1E NE/4 NW/4 SEC. 21, T27N, R10W SAN JUAN COUNTY, NEW MEXICO	PROJECT: XTO GROUND WATER DRAWN BY: ALA REVISED: 03/30/07	GROUNDWATER GRADIENT MAP 03/28/2007 FIGURE 2



MONITORING WELL LOCATIONS ARE ONLY AS ACCURATE AS THE INSTRUMENTS USED IN OBTAINING THE FOOTAGE AND BEARING FROM THE WELL HEAD (BRUNTON COMPASS AND LASER RANGE FINDER). ALL OTHER STRUCTURES DISPLAYED ON THE SITE MAP ARE SOLELY FOR REFERENCE AND MAY NOT BE TO SCALE.

TOC = TOP OF CASING ELEVATION
GWEL = GROUNDWATER ELEVATION
- - - = INFERRED GROUNDWATER CONTOUR LINE

Lodestar Services, Inc PO Box 3861 Farmington, NM 87499	E.J. JOHNSON C #1E NE/4 NW/4 SEC. 21, T27N, R10W SAN JUAN COUNTY, NEW MEXICO	PROJECT: XTO GROUND WATER DRAWN BY: ALA REVISED: 06/21/07	GROUNDWATER GRADIENT MAP 6/12/2007 FIGURE 3



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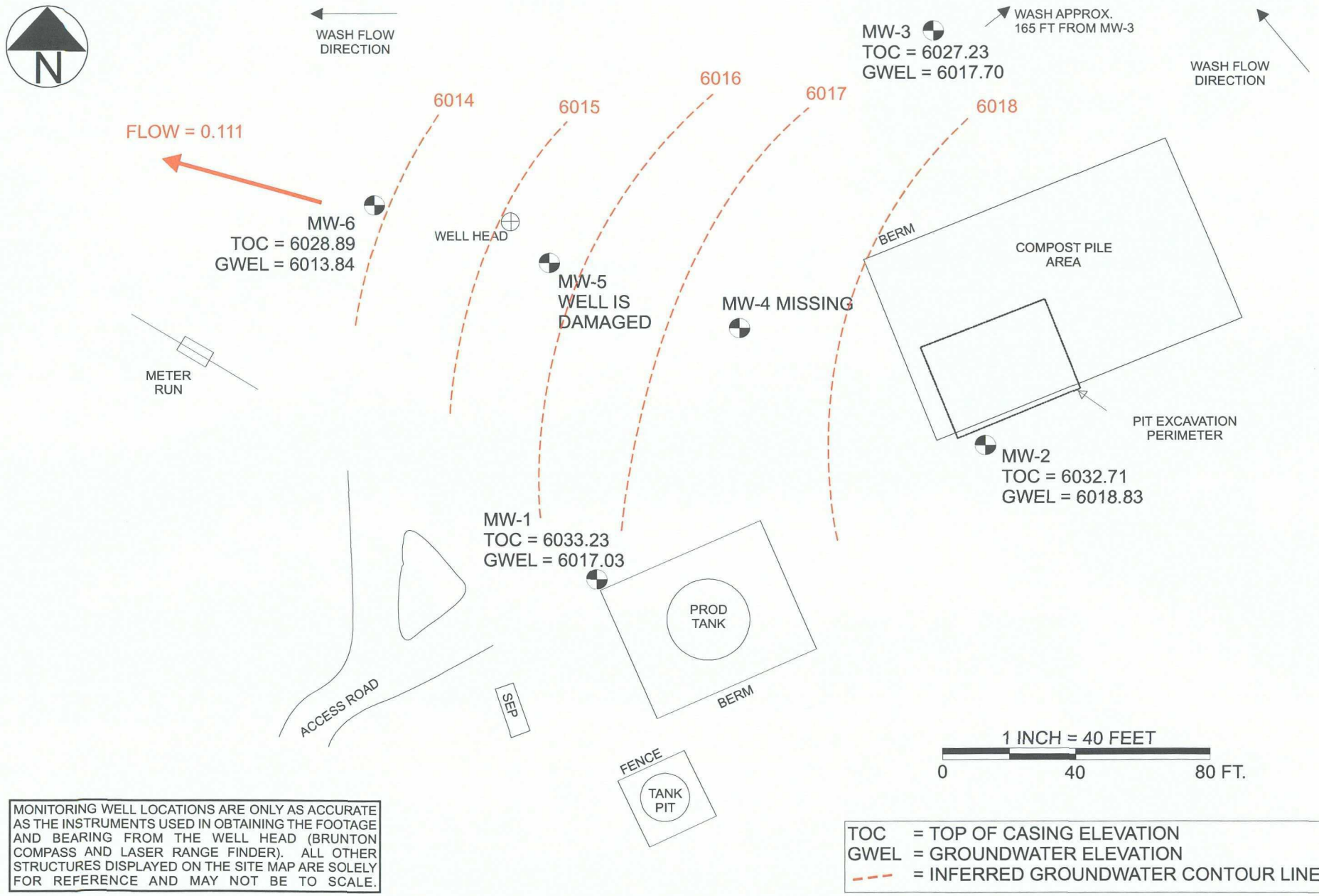
- - - = INFERRED GROUNDWATER CONTOUR LINE

Lodestar Services, Inc PO Box 3861 Farmington, NM 87499	E.J. JOHNSON C #1E NE/4 NW/4 SEC. 21, T27N, R10W SAN JUAN COUNTY, NEW MEXICO	PROJECT: XTO GROUND WATER DRAWN BY: ALA REVISED: 09/28/07	GROUNDWATER GRADIENT MAP 09/25/2007 FIGURE 4



MONITORING WELL LOCATIONS ARE ONLY AS ACCURATE AS THE INSTRUMENTS USED IN OBTAINING THE FOOTAGE AND BEARING FROM THE WELL HEAD (BRUNTON COMPASS AND LASER RANGE FINDER). ALL OTHER STRUCTURES DISPLAYED ON THE SITE MAP ARE SOLELY FOR REFERENCE AND MAY NOT BE TO SCALE.

TOC = TOP OF CASING ELEVATION
GWEL = GROUNDWATER ELEVATION
--- = INFERRED GROUNDWATER CONTOUR LINE

Lodestar Services, Inc PO Box 3861 Farmington, NM 87499	E.J. JOHNSON C #1E NE/4 NW/4 SEC. 21, T27N, R10W SAN JUAN COUNTY, NEW MEXICO	PROJECT: XTO GROUND WATER DRAWN BY: ALA REVISED: 12/23/07	GROUNDWATER GRADIENT MAP 12/20/2007 FIGURE 5

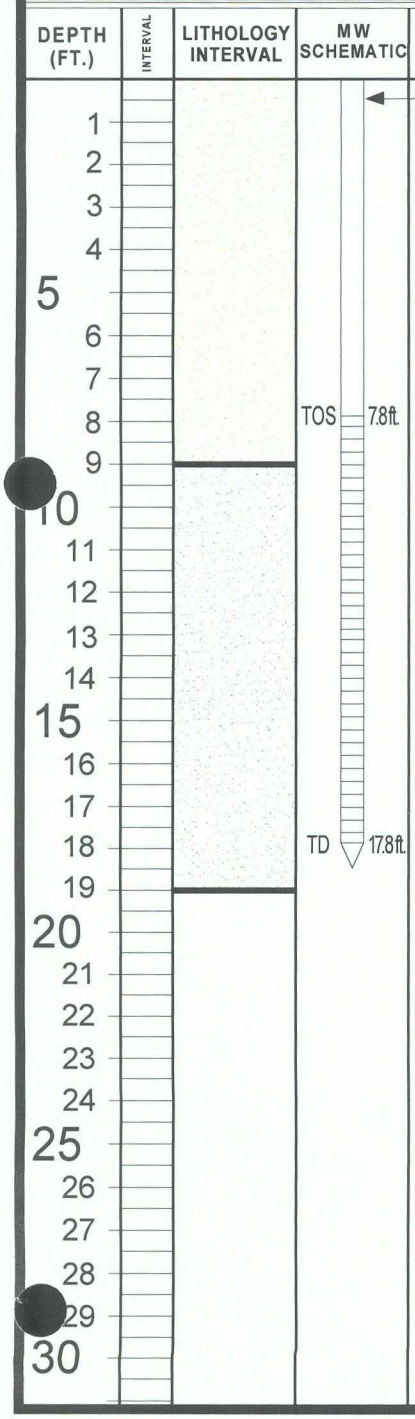
FIGURE 6

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

BORE / TEST HOLE REPORT

CLIENT:	XTO ENERGY INC.
LOCATION NAME:	JOHNSON, E.J. C # 1E PROD. TANK PIT - UNIT C, SEC. 21, T27N, R10W
CONTRACTOR:	BLAGG ENGINEERING, INC.
EQUIPMENT USED:	EARTHPROBE 200
BORING LOCATION:	76.5 FEET, S66E FROM WELL HEAD.

BORING #.....	BH - 4
MW #.....	4
PAGE #.....	4
DATE STARTED	1/24/02
DATE FINISHED	1/24/02
OPERATOR.....	JCB
PREPARED BY	NJV



FIELD CLASSIFICATION AND REMARKS

GROUND SURFACE

TOP OF CASING APROX. 2.20 FT. ABOVE GRADE.

DARK YELLOWISH ORANGE SAND, NON COHESIVE, SLIGHTLY MOIST, LOOSE TO FIRM, NO APPARENT HC ODOR DETECTED PHYSICALLY WITHIN CUTTINGS (0.0 - 9.0 FT. BELOW GRADE).

▼ **GW DEPTH ON 2/20/02 = 10.43 FT. (APPROX.) FROM GROUND SURFACE.**

MEDIUM GRAY SAND, NON COHESIVE, SATURATED, STRONG HC ODOR DETECTED PHYSICALLY WITHIN CUTTINGS, (9.0 - 19.0 FT. BELOW GRADE).

NOTES:
- SAND.
- SAND (HYDROCARBON IMPACTED).

TOS - Top of screen of monitor well.
TD - Total depth/bottom extent of monitor well.

Monitor well consist of 2 inch PVC piping - casing from grade to 7.80 ft. below grade, 0.010 slotted screen between 7.80 to 17.80 feet below grade, sand packed annular to 3.50 ft. below grade. Slip cap at top of casing.

DRAWING: BH4-MW4. SKF | DATE: 2/23/05 | DWN BY: NJV

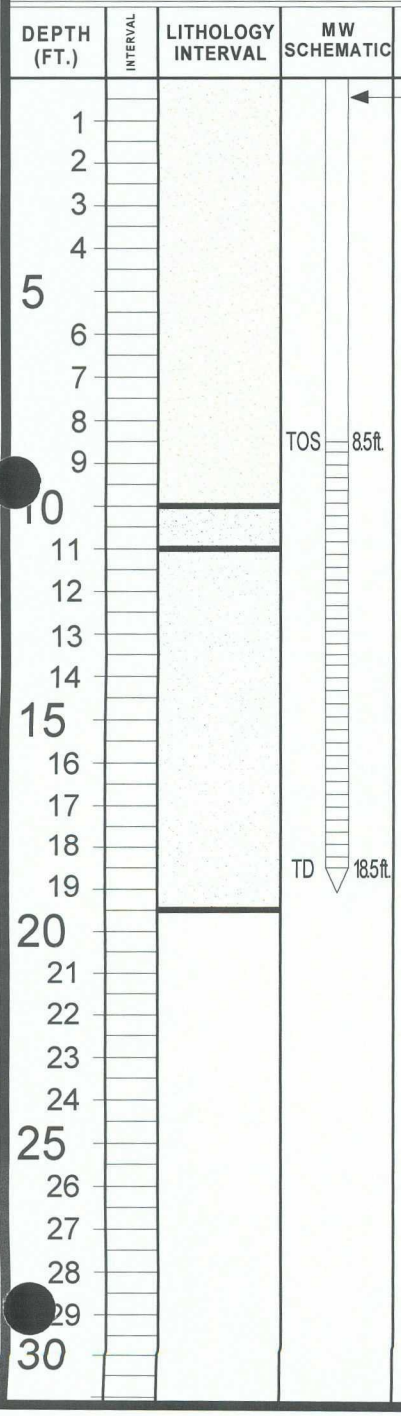
FIGURE 7

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

BORE / TEST HOLE REPORT

CLIENT:	XTO ENERGY INC.
LOCATION NAME:	JOHNSON, E.J. C # 1E PROD. TANK PIT - UNIT C, SEC. 21, T27N, R10W
CONTRACTOR:	BLAGG ENGINEERING, INC.
EQUIPMENT USED:	EARTHPROBE 200
BORING LOCATION:	18.5 FEET, S42E FROM WELL HEAD.

BORING #.....	BH - 5
MW #.....	5
PAGE #.....	5
DATE STARTED	7/18/03
DATE FINISHED	7/18/03
OPERATOR.....	JCB
PREPARED BY	NJV



FIELD CLASSIFICATION AND REMARKS

GROUND SURFACE

TOP OF CASING APROX. 1.00 FT. ABOVE GRADE.

DARK YELLOWISH ORANGE SAND, NON COHESIVE, SLIGHTLY MOIST, LOOSE TO FIRM, NO APPARENT HC ODOR DETECTED PHYSICALLY WITHIN CUTTINGS (0.0 - 10.0 FT. BELOW GRADE).

MEDIUM TO MEDIUM GRAY SAND, NON COHESIVE, MOIST TO SATURATED, STRONG HC ODOR DETECTED WITHIN CUTTINGS (10.0 - 11.0 FT. BELOW GRADE).

▼ **GW DEPTH ON 8/26/03 = 11.56 FT. (APPROX.) FROM GROUND SURFACE.**

MEDIUM GRAY SAND, NON COHESIVE, SATURATED, STRONG HC ODOR DETECTED PHYSICALLY WITHIN CUTTINGS, (11.0 - 19.5 FT. BELOW GRADE).

NOTES:
- SAND.
- SAND (HYDROCARBON IMPACTED).

TOS - Top of screen of monitor well.
TD - Total depth/bottom extent of monitor well.

Monitor well consist of 2 inch PVC piping - casing from grade to 8.50 ft. below grade, 0.010 slotted screen between 8.50 to 18.50 feet below grade, sand packed annular to 4 ft. below grade. Slip cap at top of casing.

DRAWING: BH5-MW5. SKF | DATE: 2/23/05 | DWN BY: NJV

FIGURE 8

RECORD OF SUBSURFACE EXPLORATION

LodeStar Services
P.O. Box 4465
Durango, CO 81302
303-917-6288

Borehole #: 1
Well #: MW-6
Page: 1 of 2
Project Number:
Project Name: XTO Ground Water
Project Location: EJ Johnson C #1E

Borehole Location: 36° 33.945' N, 107° 54.244' W
GWL Depth: 19.5'
Drilled By: Enviro-Drill
Well Logged By: Ashley Ager
Date Started: 04/30/07
Date Completed: 04/30/07

Drilling Method: Hollow Stem Auger
Air Monitoring Method: PID

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring	Drilling Conditions
0	1	0-5'	cuttings	damp, reddish brown, moderately sorted medium sand, subrounded		Easy
5	2	5-10'	cuttings	damp, brown, moderately sorted coarse sand, subrounded, varying mineralogies		Easy
10	3	10-15'	cuttings	moist, dark brown, poorly sorted coarse sand, subrounded, varying mineralogies		Easy
15	4	15-20'	cuttings	grayish brown moist silty sand, poorly sorted, subrounded sand content	0.7	Easy
20						

Comments: Well is located on edge of well pad, close to wash. Wash has some running water.

Geologist Signature: *Ashley L. Ager*

RECORD OF SUBSURFACE EXPLORATION

LodeStar Services
P.O. Box 4465
Durango, CO 81302
303-917-6288

Borehole #: 1
Well #: MW-6
Page: 2 of 2
Project Number:
Project Name: XTO Ground Water
Project Location: EJ Johnson C #1E

Borehole Location: 36° 33.945' N, 107° 54.244' W
GWL Depth: 19.5'
Drilled By: Enviro-Drill
Well Logged By: Ashley Ager
Date Started: 04/30/07
Date Completed: 04/30/07

Drilling Method: Hollow Stem Auger
Air Monitoring Method: PID

Depth (feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description	Air Monitoring	Drilling Conditions
20 25 30 35 40	5	20-25'	cuttings	wet, gray sandy silt, coarse sand content, poorly sorted. GWL at ~19.5' water gushing out of hole at 25'	0.9	Easy

Comments:

Geologist Signature: *Ashley L. Ager*

FIGURE 9
MONITORING WELL INSTALLATION RECORD

Lodestar Services, Inc
PO Box 3861
Farmington, New Mexico 87499
(505) 334-2791

Borehole # 1
Well # MW-6
Page 1 of 1

Project Name XTO Ground Water
Project Number _____ Cost Code _____
Project Location EJ Johnson C #1E

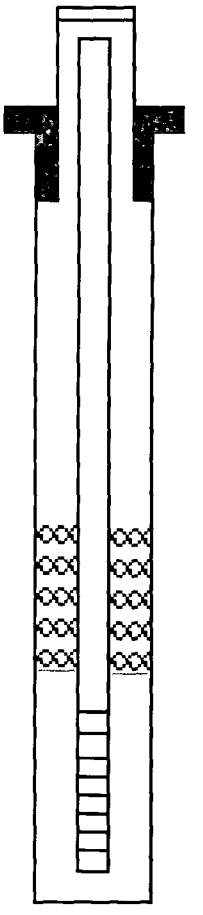
Elevation 6027'
Well Location 36° 33.945' N, 107° 54.244' W
GWL Depth 19.5'
Installed By Enviro-Drill

On-Site Geologist Ashley Ager
Personnel On-Site
Contractors On-Site Jeff Cathron and assistant
Client Personnel On-Site

Date/Time Started 04/30/07, 13:25
Date/Time Completed 04/30/07, 1450

Depths in Reference to Ground Surface

Item	Material	Depth (feet)
Top of Protective Casing	Steel	3
Bottom of Protective Casing		-2
Top of Permanent Borehole Casing		
Bottom of Permanent Borehole Casing		
Top of Concrete	Concrete	0.2
Bottom of Concrete		-0.5
Top of Grout	Quickcrete	-0.5
Bottom of Grout		-11
Top of Well Riser	Sch. 40 PVC	2.8
Bottom of Well Riser		-15
Top of Well Screen	Sch. 40 PVC	-15
Bottom of Well Screen		-25
Top of Peltonite Seal	3/8" Bentonite hole plug	-11
Bottom of Peltonite Seal		-13
Top of Gravel Pack	10-20 grade silica sand	-13
Bottom of Gravel Pack		-25.1
Top of Natural Cave-In	Silty sand	-25.1
Bottom of Natural Cave-In		-25.3
Top of Groundwater		-19.5
Total Depth of Borehole		-25.3



Top of Protective Casing 3.0
Top of Riser 2.8
Ground Surface 0
Top of Seal -11
Top of Gravel Pack -13
Top of Screen -15
Bottom of Screen -25
Bottom of Borehole -25.1

Comments: 50 lb bags of sand used: 5 ea. , 50 lb bags of bentontie used: 1 ea., Grout: 1 bag bentonite, 1 bag qwikcrete; 1 bag of concrete used

Geologist Signature *Ashley L. Ager*

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-07*

CLIENT: XTO Energy
Project: Ground Water
Lab Order: 0703474

Lab ID: 0703474-04 **Collection Date:** 3/28/2007 1:58:00 PM
Client Sample ID: EJ Johnson CIE MW-5 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	8.2	1.0		µg/L	1	4/3/2007 11:07:21 AM
Toluene	ND	1.0		µg/L	1	4/3/2007 11:07:21 AM
Ethylbenzene	ND	1.0		µg/L	1	4/3/2007 11:07:21 AM
Xylenes, Total	ND	2.0		µg/L	1	4/3/2007 11:07:21 AM
Surr: 4-Bromofluorobenzene	94.1	70.2-105		%REC	1	4/3/2007 11:07:21 AM

Lab ID: 0703474-05 **Collection Date:** 3/28/2007 3:18:00 PM
Client Sample ID: Bruington GCI 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	4/2/2007 1:03:56 PM
Toluene	ND	1.0		µg/L	1	4/2/2007 1:03:56 PM
Ethylbenzene	ND	1.0		µg/L	1	4/2/2007 1:03:56 PM
Xylenes, Total	ND	2.0		µg/L	1	4/2/2007 1:03:56 PM
Surr: 4-Bromofluorobenzene	90.4	70.2-105		%REC	1	4/2/2007 1:03:56 PM

Lab ID: 0703474-06 **Collection Date:** 3/28/2007 3:42:00 PM
Client Sample ID: Bruington GCI MW-2R **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	4300	250		µg/L	250	4/2/2007 1:33:57 PM
Toluene	1000	250		µg/L	250	4/2/2007 1:33:57 PM
Ethylbenzene	810	250		µg/L	250	4/2/2007 1:33:57 PM
Xylenes, Total	6000	500		µg/L	250	4/2/2007 1:33:57 PM
Surr: 4-Bromofluorobenzene	91.6	70.2-105		%REC	250	4/2/2007 1:33:57 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		

2 / 10

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: Ground Water
Work Order: 0703474

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SW8021									
Sample ID: 0703474-01A MSD		*MSD*			Batch ID:	R23096	Analysis Date:		4/3/2007 10:37:09 AM
Benzene	19.32	µg/L	1.0	96.6	85.9	113	2.09	27	
Toluene	19.77	µg/L	1.0	98.8	86.4	113	1.70	19	
Ethylbenzene	19.98	µg/L	1.0	99.9	83.5	118	2.36	10	
Xylenes, Total	59.32	µg/L	2.0	98.9	83.4	122	2.06	13	
Sample ID: 5ML REAGENT BLA		*MBLK*			Batch ID:	R23076	Analysis Date:		4/2/2007 8:45:02 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: 5ML RB-II		*MBLK*			Batch ID:	R23076	Analysis Date:		4/3/2007 12:13:23 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: 5ML REAGENT BLA		*MBLK*			Batch ID:	R23096	Analysis Date:		4/3/2007 8:06:11 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: 5ML REAGENT BLA		*MBLK*			Batch ID:	R23114	Analysis Date:		4/4/2007 8:09:19 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:	R23076	Analysis Date:		4/2/2007 5:37:16 PM
Benzene	23.32	µg/L	1.0	117	85.9	113			S
Toluene	22.53	µg/L	1.0	111	86.4	113			
Ethylbenzene	20.71	µg/L	1.0	104	83.5	118			
Xylenes, Total	62.13	µg/L	2.0	103	83.4	122			
Sample ID: 100NG BTEX LCS-II		*LCS*			Batch ID:	R23076	Analysis Date:		4/3/2007 12:43:23 AM
Benzene	19.86	µg/L	1.0	97.6	85.9	113			
Toluene	20.09	µg/L	1.0	99.8	86.4	113			
Ethylbenzene	20.01	µg/L	1.0	100	83.5	118			
Xylenes, Total	59.59	µg/L	2.0	99.0	83.4	122			
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	R23096	Analysis Date:		4/3/2007 4:13:33 PM
Benzene	20.24	µg/L	1.0	99.1	85.9	113			
Toluene	20.61	µg/L	1.0	102	86.4	113			
Ethylbenzene	20.85	µg/L	1.0	104	83.5	118			
Xylenes, Total	62.10	µg/L	2.0	103	83.4	122			
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	R23114	Analysis Date:		4/4/2007 12:30:51 PM
Benzene	19.85	µg/L	1.0	99.2	85.9	113			
Toluene	20.02	µg/L	1.0	100	86.4	113			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: Ground Water **Work Order:** 0703474

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SW8021									
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	**R23114**	Analysis Date:		4/4/2007 12:30:51 PM
Ethylbenzene	20.43	µg/L	1.0	102	83.5	118			
Xylenes, Total	60.81	µg/L	2.0	101	83.4	122			
Sample ID: 100NG BTEX LCSD-I		*LCSD*			Batch ID:	**R23076**	Analysis Date:		4/3/2007 1:13:30 AM
Benzene	19.77	µg/L	1.0	97.2	85.9	113	0.474	27	
Toluene	19.93	µg/L	1.0	99.0	86.4	113	0.809	19	
Ethylbenzene	19.91	µg/L	1.0	99.6	83.5	118	0.511	10	
Xylenes, Total	59.20	µg/L	2.0	98.3	83.4	122	0.657	13	
Sample ID: 100NG BTEX LCSD		*LCSD*			Batch ID:	**R23114**	Analysis Date:		4/4/2007 1:01:01 PM
Benzene	19.57	µg/L	1.0	97.8	85.9	113	1.42	27	
Toluene	19.76	µg/L	1.0	98.8	86.4	113	1.32	19	
Ethylbenzene	20.00	µg/L	1.0	100	83.5	118	2.11	10	
Xylenes, Total	59.61	µg/L	2.0	99.3	83.4	122	1.99	13	
Sample ID: 0703474-01A MS		*MS*			Batch ID:	**R23096**	Analysis Date:		4/3/2007 10:06:58 AM
Benzene	18.92	µg/L	1.0	94.6	85.9	113			
Toluene	19.43	µg/L	1.0	97.2	86.4	113			
Ethylbenzene	19.52	µg/L	1.0	97.6	83.5	118			
Xylenes, Total	58.11	µg/L	2.0	96.8	83.4	122			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *21-Jun-07*

CLIENT: XTO Energy
Project: Ground Water
Lab Order: 0706237

Lab ID: 0706237-04 **Collection Date:** 6/12/2007 2:38:00 PM
Client Sample ID: Jack Frost B#2 MW-1 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	6/19/2007 3:58:23 PM
Toluene	ND	1.0		µg/L	1	6/19/2007 3:58:23 PM
Ethylbenzene	ND	1.0		µg/L	1	6/19/2007 3:58:23 PM
Xylenes, Total	ND	2.0		µg/L	1	6/19/2007 3:58:23 PM
Surr: 4-Bromofluorobenzene	83.9	70.2-105		%REC	1	6/19/2007 3:58:23 PM

Lab ID: 0706237-05 **Collection Date:** 6/12/2007 3:06:00 PM
Client Sample ID: EJ Johnson CIE MW-5 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	15	1.0		µg/L	1	6/19/2007 4:28:29 PM
Toluene	ND	1.0		µg/L	1	6/19/2007 4:28:29 PM
Ethylbenzene	ND	1.0		µg/L	1	6/19/2007 4:28:29 PM
Xylenes, Total	ND	2.0		µg/L	1	6/19/2007 4:28:29 PM
Surr: 4-Bromofluorobenzene	86.0	70.2-105		%REC	1	6/19/2007 4:28:29 PM

Lab ID: 0706237-06 **Collection Date:** 6/12/2007 3:36:00 PM
Client Sample ID: EJ Johnson CIE MW-6 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	6/19/2007 4:58:29 PM
Toluene	ND	1.0		µg/L	1	6/19/2007 4:58:29 PM
Ethylbenzene	ND	1.0		µg/L	1	6/19/2007 4:58:29 PM
Xylenes, Total	ND	2.0		µg/L	1	6/19/2007 4:58:29 PM
Surr: 4-Bromofluorobenzene	82.8	70.2-105		%REC	1	6/19/2007 4:58:29 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

2 / 12

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: Ground Water
Work Order: 0706237

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SW8021									
Sample ID: 0706237-12A MSD		*MSD*			Batch ID:	**R24017**	Analysis Date:	6/18/2007 12:21:32 PM	
Benzene	18.72	µg/L	1.0	93.6	85.9	113	4.52	27	
Toluene	18.79	µg/L	1.0	94.0	86.4	113	4.64	19	
Ethylbenzene	18.60	µg/L	1.0	93.0	83.5	118	4.77	10	
Xylenes, Total	55.68	µg/L	2.0	92.8	83.4	122	3.58	13	
Sample ID: 0706237-25A MSD		*MSD*			Batch ID:	**R24049**	Analysis Date:	6/20/2007 9:23:49 PM	
Benzene	19.29	µg/L	1.0	96.5	85.9	113	2.88	27	
Toluene	18.77	µg/L	1.0	93.9	86.4	113	2.82	19	
Ethylbenzene	18.77	µg/L	1.0	93.8	83.5	118	2.60	10	
Xylenes, Total	54.62	µg/L	2.0	91.0	83.4	122	2.24	13	
Sample ID: 5ML REAGENT BLA		*MBLK*			Batch ID:	**R24013**	Analysis Date:	6/15/2007 8:56:45 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: 5ML REAGENT BLA		*MBLK*			Batch ID:	**R24017**	Analysis Date:	6/18/2007 10:56:56 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: 5ML REAGENT BLA		*MBLK*			Batch ID:	**R24036**	Analysis Date:	6/19/2007 9:56:41 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: 5ML REAGENT BLA		*MBLK*			Batch ID:	**R24049**	Analysis Date:	6/20/2007 10:05:12 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:	**R24013**	Analysis Date:	6/15/2007 11:42:55 PM	
Benzene	19.24	µg/L	1.0	96.2	85.9	113			
Toluene	18.67	µg/L	1.0	93.4	86.4	113			
Ethylbenzene	18.36	µg/L	1.0	91.8	83.5	118			
Xylenes, Total	54.32	µg/L	2.0	90.5	83.4	122			
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	**R24017**	Analysis Date:	6/18/2007 12:51:39 PM	
Benzene	18.99	µg/L	1.0	94.9	85.9	113			
Toluene	19.05	µg/L	1.0	95.3	86.4	113			
Ethylbenzene	18.69	µg/L	1.0	93.4	83.5	118			
Xylenes, Total	56.17	µg/L	2.0	93.6	83.4	122			
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	**R24036**	Analysis Date:	6/19/2007 11:27:18 AM	
Benzene	19.95	µg/L	1.0	99.7	85.9	113			
Toluene	20.29	µg/L	1.0	101	86.4	113			

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

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: Ground Water **Work Order:** 0706237

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SW8021									
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	**R24036**	Analysis Date:	6/19/2007 11:27:18 AM	
Ethylbenzene	20.10	µg/L	1.0	101	83.5	118			
Xylenes, Total	59.83	µg/L	2.0	99.7	83.4	122			
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	**R24049**	Analysis Date:	6/20/2007 9:54:18 PM	
Benzene	18.97	µg/L	1.0	94.9	85.9	113			
Toluene	18.46	µg/L	1.0	92.3	86.4	113			
Ethylbenzene	18.62	µg/L	1.0	93.1	83.5	118			
Xylenes, Total	54.86	µg/L	2.0	91.4	83.4	122			
Sample ID: 0706237-12A MS		*MS*			Batch ID:	**R24017**	Analysis Date:	6/18/2007 11:51:22 AM	
Benzene	19.59	µg/L	1.0	98.0	85.9	113			
Toluene	19.68	µg/L	1.0	98.4	86.4	113			
Ethylbenzene	19.51	µg/L	1.0	97.5	83.5	118			
Xylenes, Total	57.71	µg/L	2.0	96.2	83.4	122			
Sample ID: 0706237-25A MS		*MS*			Batch ID:	**R24049**	Analysis Date:	6/20/2007 8:53:24 PM	
Benzene	18.74	µg/L	1.0	93.7	85.9	113			
Toluene	18.25	µg/L	1.0	91.2	86.4	113			
Ethylbenzene	18.29	µg/L	1.0	91.4	83.5	118			
Xylenes, Total	53.41	µg/L	2.0	89.0	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: *08-Oct-07*

CLIENT:	XTO Energy	**Client Sample ID:**	EJ Johnson CIE MW-5
Lab Order:	0709406	**Collection Date:**	9/25/2007 11:55:00 AM
Project:	Ground Water	**Date Received:**	9/28/2007
Lab ID:	0709406-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	8.2	1.0		µg/L	1	10/2/2007 11:15:24 PM
Toluene	ND	1.0		µg/L	1	10/2/2007 11:15:24 PM
Ethylbenzene	ND	1.0		µg/L	1	10/2/2007 11:15:24 PM
Xylenes, Total	ND	2.0		µg/L	1	10/2/2007 11:15:24 PM
Surr: 4-Bromofluorobenzene	88.8	70.2-105		%REC	1	10/2/2007 11:15:24 PM
SM 2540C: TDS						Analyst: **TAF**
Total Dissolved Solids	1900	200		mg/L	1	10/1/2007

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: *08-Oct-07*

CLIENT:	XTO Energy	**Client Sample ID:**	EJ Johnson C1E MW-2
Lab Order:	0709406	**Collection Date:**	9/25/2007 12:11:00 PM
Project:	Ground Water	**Date Received:**	9/28/2007
Lab ID:	0709406-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM 2540C: TDS						Analyst: **TAF**
Total Dissolved Solids	2100	200		mg/L	1	10/1/2007

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: *08-Oct-07*

CLIENT:	XTO Energy	**Client Sample ID:**	EJ Johnson C1E MW-3
Lab Order:	0709406	**Collection Date:**	9/25/2007 12:55:00 PM
Project:	Ground Water	**Date Received:**	9/28/2007
Lab ID:	0709406-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM 2540C: TDS						Analyst: **TAF**
Total Dissolved Solids	2900	200		mg/L	1	10/1/2007

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: *08-Oct-07*

CLIENT:	XTO Energy	**Client Sample ID:**	EJ Johnson C1E MW-6
Lab Order:	0709406	**Collection Date:**	9/25/2007 12:46:00 PM
Project:	Ground Water	**Date Received:**	9/28/2007
Lab ID:	0709406-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM 2540C: TDS						Analyst: **TAF**
Total Dissolved Solids	2200	20		mg/L	1	10/1/2007

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: *08-Oct-07*

CLIENT:	XTO Energy	**Client Sample ID:**	EJ Johnson C1E MW-1
Lab Order:	0709406	**Collection Date:**	9/25/2007 12:54:00 PM
Project:	Ground Water	**Date Received:**	9/28/2007
Lab ID:	0709406-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM 2540C: TDS						Analyst: **TAF**
Total Dissolved Solids	1900	200		mg/L	1	10/1/2007

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: *08-Oct-07*

CLIENT:	XTO Energy	**Client Sample ID:**	Trip Blank
Lab Order:	0709406	**Collection Date:**	
Project:	Ground Water	**Date Received:**	9/28/2007
Lab ID:	0709406-28	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	10/3/2007 11:35:56 PM
Toluene	ND	1.0		µg/L	1	10/3/2007 11:35:56 PM
Ethylbenzene	ND	1.0		µg/L	1	10/3/2007 11:35:56 PM
Xylenes, Total	ND	2.0		µg/L	1	10/3/2007 11:35:56 PM
Surr: 4-Bromofluorobenzene	82.7	70.2-105		%REC	1	10/3/2007 11:35:56 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 REPOR

Client: XTO Energy
Project: Ground Water **Work Order:** 0709406

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SW8021									
Sample ID: 0709406-01A MSD		*MSD*			Batch ID: **R25409**		Analysis Date:		10/3/2007 3:45:13 AM
Benzene	20.98	µg/L	1.0	105	85.9	113	0.580	27	
Toluene	19.97	µg/L	1.0	99.6	86.4	113	0.764	19	
Ethylbenzene	19.95	µg/L	1.0	99.3	83.5	118	1.13	10	
Xylenes, Total	59.14	µg/L	2.0	98.1	83.4	122	0.764	13	
Sample ID: 0709406-20A MSD		*MSD*			Batch ID: **R25420**		Analysis Date:		10/3/2007 8:05:57 PM
Benzene	20.94	µg/L	1.0	102	85.9	113	1.15	27	
Toluene	19.97	µg/L	1.0	98.4	86.4	113	1.23	19	
Ethylbenzene	19.95	µg/L	1.0	99.2	83.5	118	2.10	10	
Xylenes, Total	58.87	µg/L	2.0	96.8	83.4	122	1.12	13	
Sample ID: 5ML RB		*MBLK*			Batch ID: **R25409**		Analysis Date:		10/2/2007 8:14:55 AM
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						
Sample ID: 5ML RB		*MBLK*			Batch ID: **R25420**		Analysis Date:		10/3/2007 9:00:15 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: **R25409**		Analysis Date:		10/2/2007 8:15:26 PM
Benzene	20.25	µg/L	1.0	101	85.9	113			
Toluene	19.54	µg/L	1.0	97.3	86.4	113			
Ethylbenzene	19.60	µg/L	1.0	97.4	83.5	118			
Xylenes, Total	58.14	µg/L	2.0	96.2	83.4	122			
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID: **R25420**		Analysis Date:		10/3/2007 11:00:56 AM
Benzene	20.65	µg/L	1.0	103	85.9	113			
Toluene	20.04	µg/L	1.0	99.8	86.4	113			
Ethylbenzene	20.04	µg/L	1.0	99.6	83.5	118			
Xylenes, Total	60.00	µg/L	2.0	99.5	83.4	122			
Sample ID: 0709406-01A MS		*MS*			Batch ID: **R25409**		Analysis Date:		10/3/2007 3:15:09 AM
Benzene	21.10	µg/L	1.0	105	85.9	113			
Toluene	19.82	µg/L	1.0	98.8	86.4	113			
Ethylbenzene	19.73	µg/L	1.0	98.2	83.5	118			
Xylenes, Total	58.69	µg/L	2.0	97.4	83.4	122			
Sample ID: 0709406-20A MS		*MS*			Batch ID: **R25420**		Analysis Date:		10/3/2007 7:35:52 PM
Benzene	20.70	µg/L	1.0	101	85.9	113			
Toluene	19.73	µg/L	1.0	97.2	86.4	113			
Ethylbenzene	19.53	µg/L	1.0	97.1	83.5	118			
Xylenes, Total	58.22	µg/L	2.0	95.7	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

QA/QC SUMMARY REPOR

Client: XTO Energy
Project: Ground Water **Work Order:** 0709406

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: E160.1									
Sample ID: 0709406-08B MSD		*MSD*			Batch ID:	**13963**	Analysis Date:		10/1/2007
Total Dissolved Solids	3202	mg/L	20	104	80	120	0.627	20	
Sample ID: MB-13963		*MBLK*			Batch ID:	**13963**	Analysis Date:		10/1/2007
Total Dissolved Solids	ND	mg/L	20						
Sample ID: LCS-13963		*LCS*			Batch ID:	**13963**	Analysis Date:		10/1/2007
Total Dissolved Solids	1001	mg/L	20	100	80	120			
Sample ID: 0709406-08B MS		*MS*			Batch ID:	**13963**	Analysis Date:		10/1/2007
Total Dissolved Solids	3182	mg/L	20	102	80	120			

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: *02-Jan-08*

CLIENT: XTO Energy
Project: Ground Water
Lab Order: 0712350

Lab ID: 0712350-05 **Collection Date:** 12/20/2007 3:49:00 PM
Client Sample ID: EJ Johnson CIE MW-5 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	9.0	1.0		µg/L	1	12/27/2007 5:17:10 PM
Toluene	ND	1.0		µg/L	1	12/27/2007 5:17:10 PM
Ethylbenzene	ND	1.0		µg/L	1	12/27/2007 5:17:10 PM
Xylenes, Total	ND	2.0		µg/L	1	12/27/2007 5:17:10 PM
Surr: 4-Bromofluorobenzene	86.5	68.9-122		%REC	1	12/27/2007 5:17:10 PM

Lab ID: 0712350-06 **Collection Date:** 12/26/2007 10:16:00 AM
Client Sample ID: Rowland GC1 MW-5 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	12/27/2007 6:20:04 PM
Toluene	ND	1.0		µg/L	1	12/27/2007 6:20:04 PM
Ethylbenzene	ND	1.0		µg/L	1	12/27/2007 6:20:04 PM
Xylenes, Total	ND	2.0		µg/L	1	12/27/2007 6:20:04 PM
Surr: 4-Bromofluorobenzene	86.6	68.9-122		%REC	1	12/27/2007 6:20:04 PM

Lab ID: 0712350-07 **Collection Date:**
Client Sample ID: TRIP BLANK **Matrix:** TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	12/27/2007 7:50:11 PM
Toluene	ND	1.0		µg/L	1	12/27/2007 7:50:11 PM
Ethylbenzene	ND	1.0		µg/L	1	12/27/2007 7:50:11 PM
Xylenes, Total	ND	2.0		µg/L	1	12/27/2007 7:50:11 PM
Surr: 4-Bromofluorobenzene	84.3	68.9-122		%REC	1	12/27/2007 7:50:11 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:** 0712350

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles									
Sample ID: 0712350-04A MSD		*MSD*			Batch ID: **R26708**		Analysis Date:	12/27/2007 8:50:30 PM	
Benzene	48.54	µg/L	1.0	98.2	85.9	113	0.378	27	
Toluene	20.57	µg/L	1.0	103	86.4	113	0.543	19	
Ethylbenzene	24.72	µg/L	1.0	102	83.5	118	0.605	10	
Xylenes, Total	63.55	µg/L	2.0	102	83.4	122	0.317	13	
Sample ID: 5ML RB		*MBLK*			Batch ID: **R26708**		Analysis Date:	12/27/2007 9:07:53 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: **R26708**		Analysis Date:	12/27/2007 9:20:40 PM	
Benzene	22.03	µg/L	1.0	110	85.9	113			
Toluene	20.88	µg/L	1.0	104	86.4	113			
Ethylbenzene	20.97	µg/L	1.0	105	83.5	118			
Xylenes, Total	62.73	µg/L	2.0	105	83.4	122			
Sample ID: 0712350-04A MS		*MS*			Batch ID: **R26708**		Analysis Date:	12/27/2007 8:20:13 PM	
Benzene	48.72	µg/L	1.0	99.1	85.9	113			
Toluene	20.69	µg/L	1.0	103	86.4	113			
Ethylbenzene	24.87	µg/L	1.0	102	83.5	118			
Xylenes, Total	63.75	µg/L	2.0	102	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