

3R - 128

**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

3 R 128

XTO ENERGY INC.

ANNUAL GROUNDWATER REPORT

2007

***STEDJE GC #1
(F) SECTION 27 – T30N – R12W, NMPM
SAN JUAN COUNTY, NEW MEXICO***

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

January 2008

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Table 2:	General Water Chemistry Laboratory Results
Figure 1:	Site Map
Figures 2 – 5:	Potentiometric Surface Diagrams
Figures 6 – 8:	Geologic Logs and Well Completion Diagrams
Attachment 1:	2006 & 2007 Laboratory Reports

2007 XTO GROUNDWATER REPORT

STEDJE GAS COM #1

SITE DETAILS

LEGALS - TWN: 30N RNG: 12W SEC: 27 UNIT: F
NMOCD HAZARD RANKING: 40 LAND TYPE: FEE

PREVIOUS ACTIVITIES

Excavation: Aug-93 Soil Boring: Nov-99
Monitoring Wells: Nov-99
Quarterly Sampling Initiated: Nov-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 quality 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 to the northwest. Figures 2 - 5 illustrate the estimated groundwater gradients for 2006 and 2007.

ANNUAL GROUNDWATER REMEDIATION REPORTS

The 2005 annual report was submitted to New Mexico Oil Conservation Division (NMOCD) in April 2006, proposing installation of an additional monitoring well to further delineate groundwater conditions and continue quarterly sampling of all monitoring wells until four consecutive quarters have been analyzed for hydrocarbon constituents.

The 2006 annual groundwater report was submitted to NMOCD in February 2007, proposing continued 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-3R in 2007. Analytical results demonstrate no detectable levels of benzene, toluene, ethyl benzene and total xylenes (BTEX) constituents in groundwater.

GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

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

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.

2007 XTO GROUNDWATER REPORT

CONCLUSIONS

January 1998 XTO Energy Inc. (XTO) acquired the Stedje Gas Com #1 from Amoco Production Company. XTO understands the initial evaluation of groundwater impact came from samples of groundwater collected from a pit bottom during excavation. In 1999 groundwater monitoring wells were installed to delineate the extent of hydrocarbon impacts. Monitoring well numbered MW-2 located near the source area and down gradient of MW-3 exhibited BTEX concentrations in excess of New Mexico Water Quality Control Commission (NMWQCC) standards during 1999 and trace or no detectable levels of hydrocarbon impact in subsequent sampling events. Monitoring well MW-1 was located cross gradient from the source area and no levels of BTEX constituents were detected during the 1999 sample event. In December 2001 NMOCD denied the closure request, requiring four consecutive samples below NMWQCC standards.

Groundwater analytical data from MW-1, MW-2, and MW-3R for four (4) consecutive quarters have demonstrated no detectable levels of BTEX constituents and 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

STEDJE GC #1- SEPARATOR PIT
UNIT F, SEC. 27, T30N, R12W

Sample Date	Monitor Well No.	DTW (ft)	TD (ft)	Product (ft)	BTEX EPA Method 801 (PPB)			
					Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylene (ug/L)
29-Nov-99	MW #1	11.51	15		ND	ND	ND	ND
21-Feb-00		11.59			-	-	-	-
20-Jun-06		10.11	15.46		ND	ND	ND	ND
26-Sep-06		11.33	15.49		ND	ND	ND	ND
6-Dec-06		11.35	15.46		ND	ND	ND	ND
8-Mar-07		11.63	15.46		ND	ND	ND	ND
29-Nov-99	MW #2	10.8	15		50	37.3	124	621.8
15-Mar-00		10.57			ND	ND	ND	ND
19-Jun-00		9.75			ND	ND	0.8	ND
20-Jun-06		8.17	11.7		ND	ND	ND	ND
26-Sep-06		11.38	11.7		ND	ND	ND	ND
6-Dec-06		11.32	11.7		ND	ND	ND	ND
8-Mar-07		11.55	11.7		ND	ND	ND	ND
29-Nov-99	MW #3	10.51	15		9.9	3.5	75	154.6
21-Feb-00		10.61			ND	ND	ND	ND
19-Jun-00		9.5			ND	ND	ND	ND
20-Jun-06	MONITORING WELL NOT FOUND							
26-Sep-06	MW #3R	11.52	17.3		ND	ND	ND	ND
6-Dec-06		11.68	17.3		ND	ND	ND	ND
8-Mar-07		12.92	17.3		ND	ND	ND	ND
NMWQCC GROUNDWATER STANDARDS					10	750	750	620

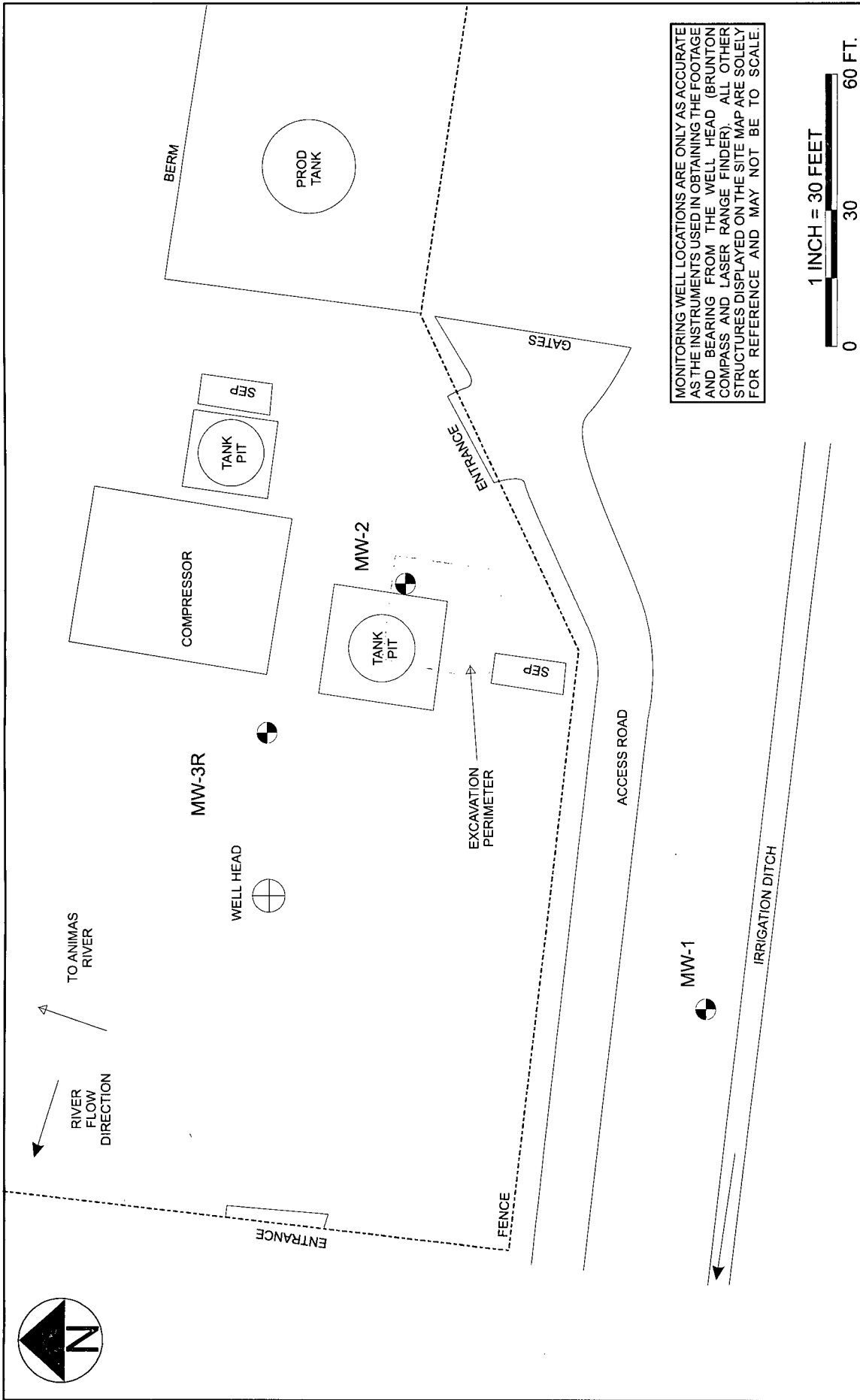
TABLE 2


XTO ENERGY INC. GROUNDWATER LAB RESULTS

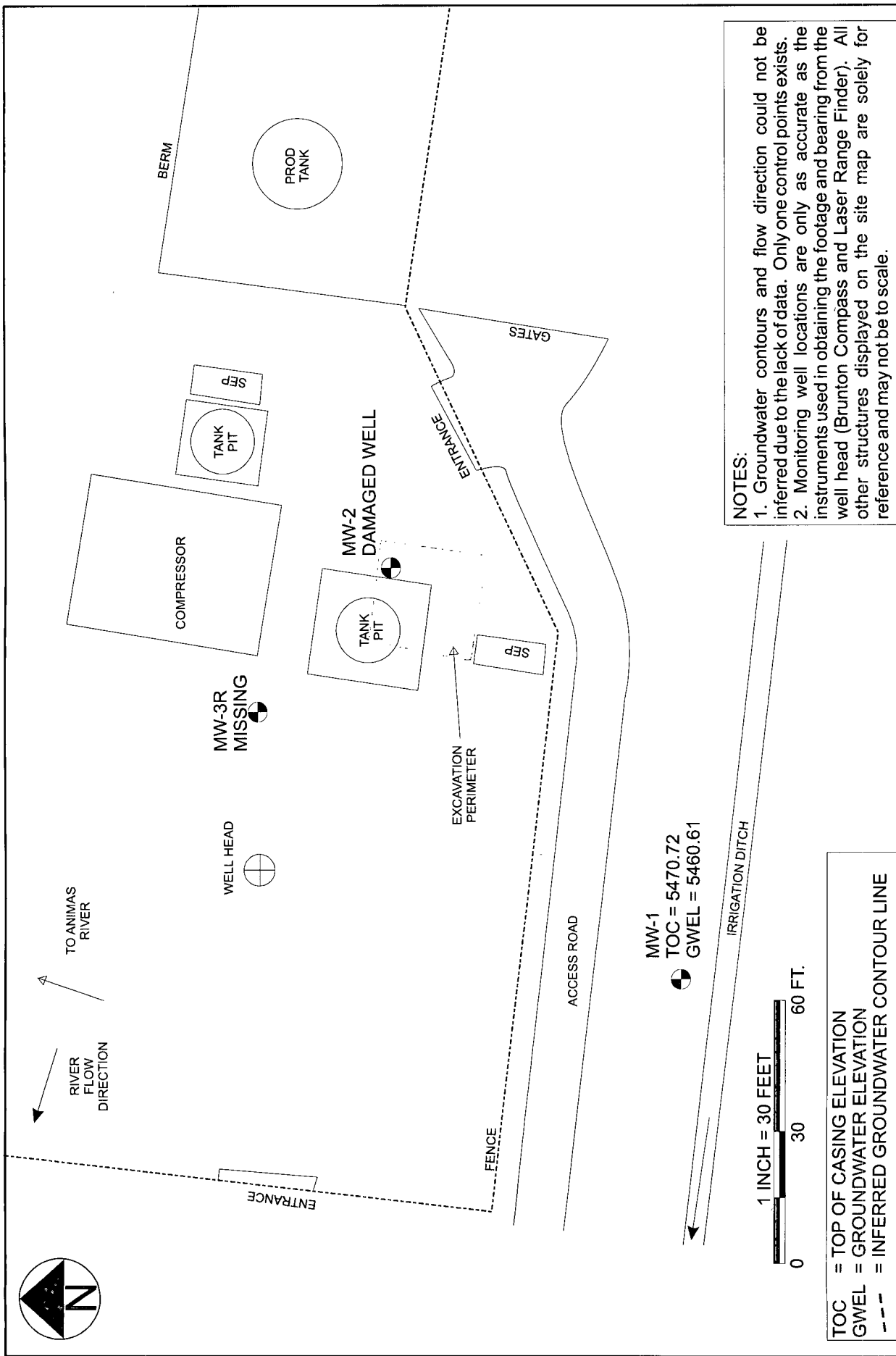
STEDJE GC #1- SEPARATOR PIT
UNIT F, SEC. 27, T30N, R12W


Sample Date: November 29, 1999

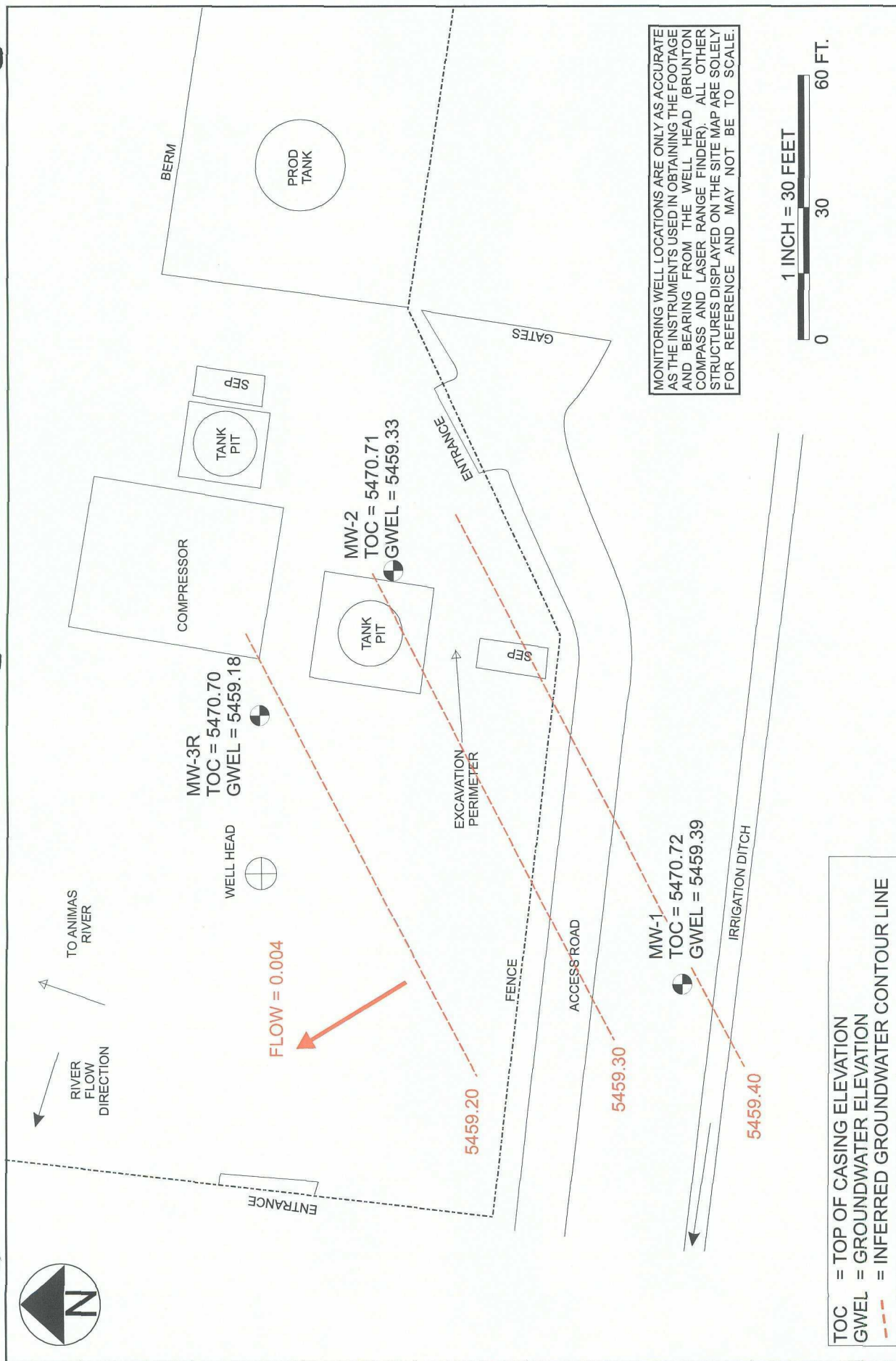
PARAMETERS	MW #1	MW #2	MW #3	UNITS
LAB Ph	7.17	7.14	7.15	s.u.
LAB CONDUCTIVITY @ 25 C	935	910	960	umhos/cm
TOTAL DISSOLVED SOLIDS @ 180 C	466	450	475	mg/L
TOTAL DISSOLVED SOLIDS (Calc)	460	430	460	mg/L
SODIUM ABSORPTION RATIO	0	0.6	0.6	ratio
TOTAL ALKALINITY AS CaCO ₃	212	198	210	mg/L
TOTAL HARDNESS AS CaCO ₃	372	298	322	mg/L
BICARBONATE AS HCO ₃	212	198	210	mg/L
CARBONATE AS CO ₃	< .01	< .01	< .01	mg/L
HYDROXIDE AS OH	< .01	< .01	< .01	mg/L
NITRATE NITROGEN	0.1	0.1	0.4	mg/L
NITRITE NITROGEN	0.002	0.002	0.006	mg/L
CHLORIDE	24	23.3	32	mg/L
FLUORIDE	1.12	0.6	0.94	mg/L
PHOSPHATE	0.4	2.2	0.7	mg/L
SULFATE	160	145	150	mg/L
IRON	0.01	0.08	0.01	mg/L
CALCIUM	122	105	107	mg/L
MAGNESIUM	16.6	8.8	13.2	mg/L
POTASSIUM	4.5	2.1	4.4	mg/L
SODIUM	< 0.1	23	24	mg/L
CATION/ANION DIFFERENCE	0.17	0.02	0.19	%



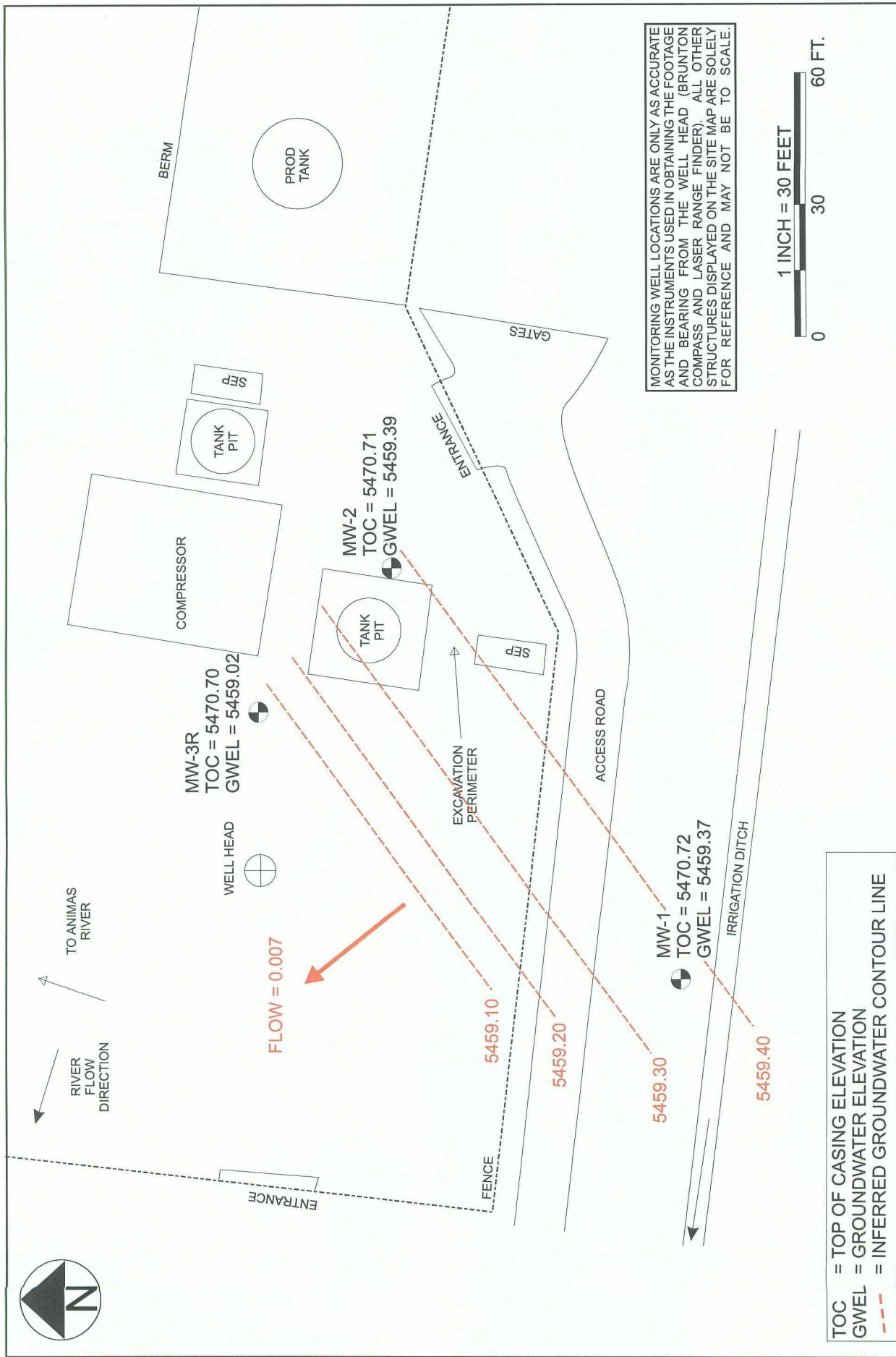
<p>  Lodestar Services, Inc PO Box 3861 Farmington, NM 87499 </p>	<p> STEDJE GAS COM #1 SE/4 NW/4 SEC. 27, T30N, R12W SAN JUAN COUNTY, NEW MEXICO </p>	<p> PROJECT: XTO GROUND WATER DRAWN BY: ALA REVISED: 01/24/07 </p>	<p> FIGURE 1 SITEMAP </p>
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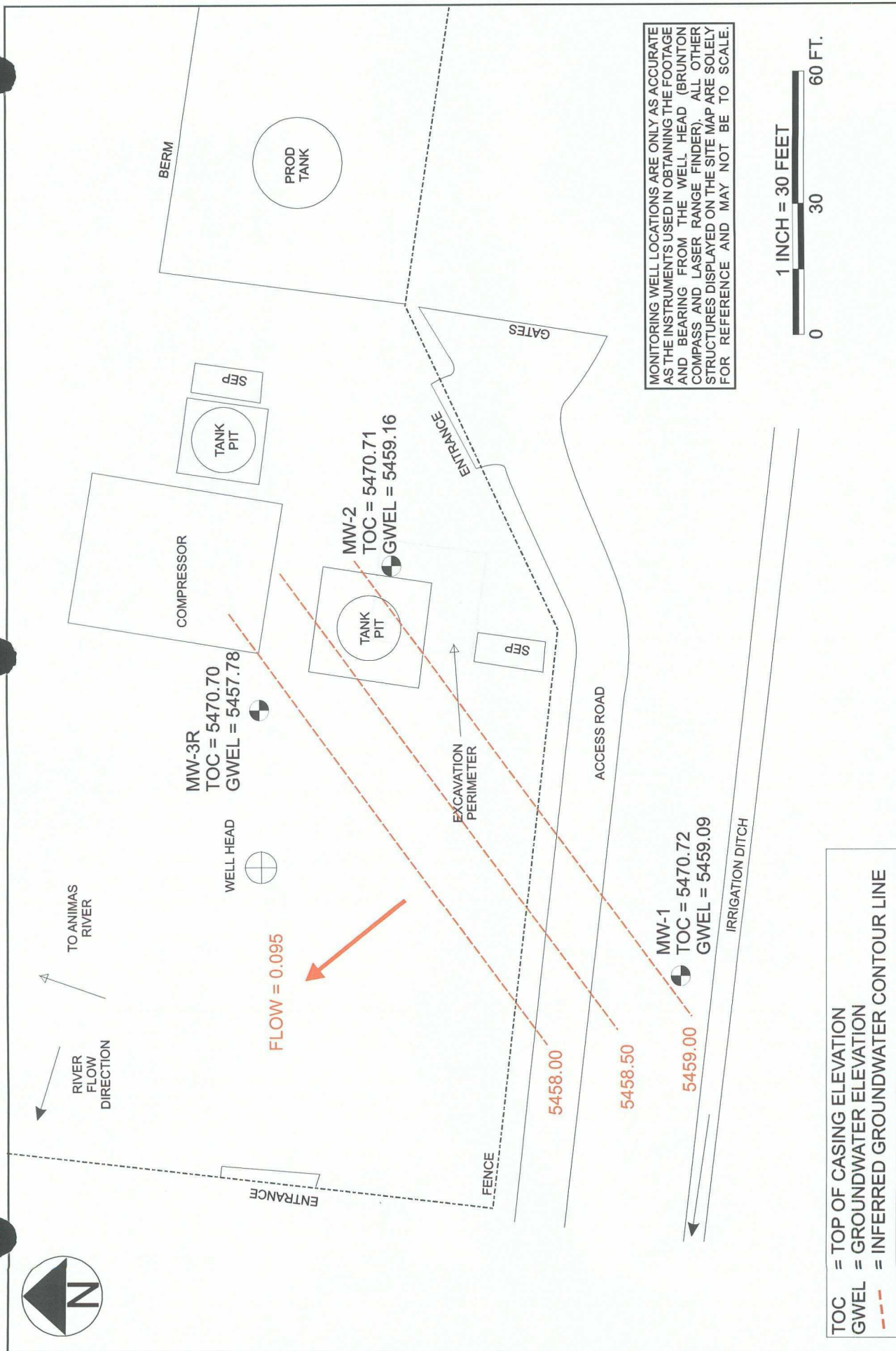
<p>  Lodestar Services, Inc PO Box 3861 Farmington, NM 87499 </p>	<p> STEDJE GAS COM #1 SE/4 NW/4 SEC. 27, T30N, R12W SAN JUAN COUNTY, NEW MEXICO </p>	<p> PROJECT: XTO GROUND WATER DRAWN BY: ALA REVISED: 12/01/06 </p>	<p> GROUNDWATER GRADIENT MAP 06/20/2006 FIGURE 2 </p>
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<p>Lodestar Services, Inc PO Box 3861 Farmington, NM 87499</p>	<p>STEDJE GAS COM #1 SE/4 NW/4 SEC. 27, T30N, R12W SAN JUAN COUNTY, NEW MEXICO</p>	<p>PROJECT: XTO GROUND WATER DRAWN BY: ALA REVISED: 01/05/07</p>	<p>GROUNDWATER GRADIENT MAP 09/26/2006 FIGURE 3</p>
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Lodestar Services, Inc PO Box 3861 Farmington, NM 87499	STEDJE GAS COM #1 SE/4 NW/4 SEC. 27, T30N, R12W SAN JUAN COUNTY, NEW MEXICO	PROJECT: XTO GROUND WATER DRAWN BY: ALA REVISED: 01/05/07	GROUNDWATER GRADIENT MAP 12/06/2006 FIGURE 4
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Lodestar Services, Inc PO Box 3861 Farmington, NM 87499	STEDJE GAS COM #1 SE/4 NW/4 SEC. 27, T30N, R12W SAN JUAN COUNTY, NEW MEXICO	PROJECT: XTO GROUND WATER DRAWN BY: ALA REVISED: 03/12/07	GROUNDWATER GRADIENT MAP 03/08/2007 FIGURE 5
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FIGURE 6

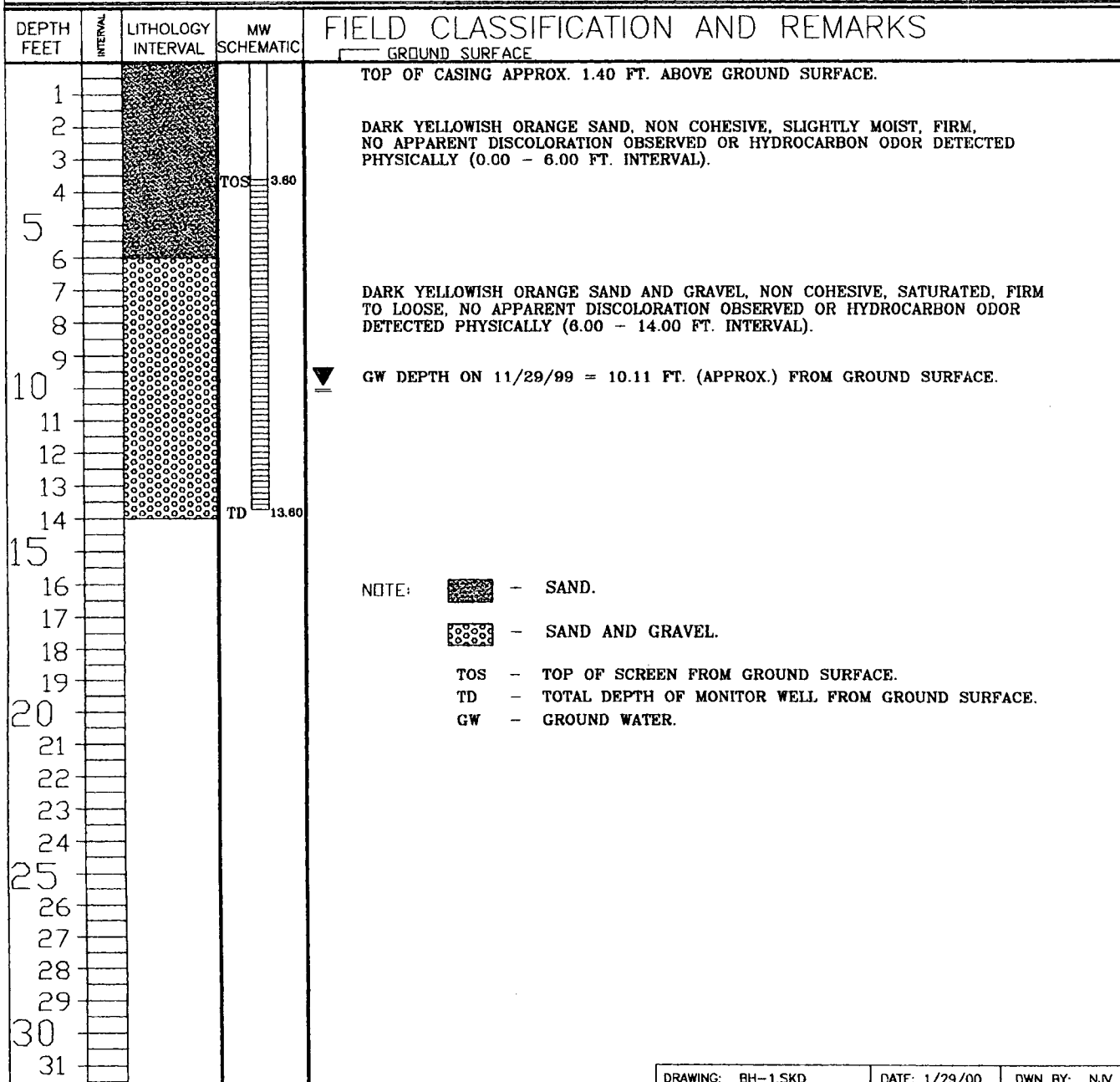
BLAGG ENGINEERING, Inc.

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

BORE / TEST HOLE REPORT

CLIENT: XTO ENERGY INC.
LOCATION NAME: STEDJE GC #1
CONTRACTOR: BLAGG ENGINEERING, INC.
EQUIPMENT USED: MOBILE DRILL RIG (ENVIROTECH CME61)
BORING LOCATION: 104 FT., S15.5W FEET FROM WELL HEAD.

BORING #..... BH - 1
MW #..... 1
PAGE #..... 1
DATE STARTED 11/11/99
DATE FINISHED 11/11/99
OPERATOR..... DE
PREPARED BY NJV



DRAWING: BH-1.SKD

DATE: 1/29/00

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: STEDJE GC #1
CONTRACTOR: BLAGG ENGINEERING, INC.
EQUIPMENT USED: MOBILE DRILL RIG (ENVIROTECH CME61)
BORING LOCATION: 78 FT., S68W FEET FROM WELL HEAD.

BORING #..... BH - 2
MW #..... 2
PAGE #..... 2
DATE STARTED 11/11/99
DATE FINISHED 11/11/99
OPERATOR..... DE
PREPARED BY NJV

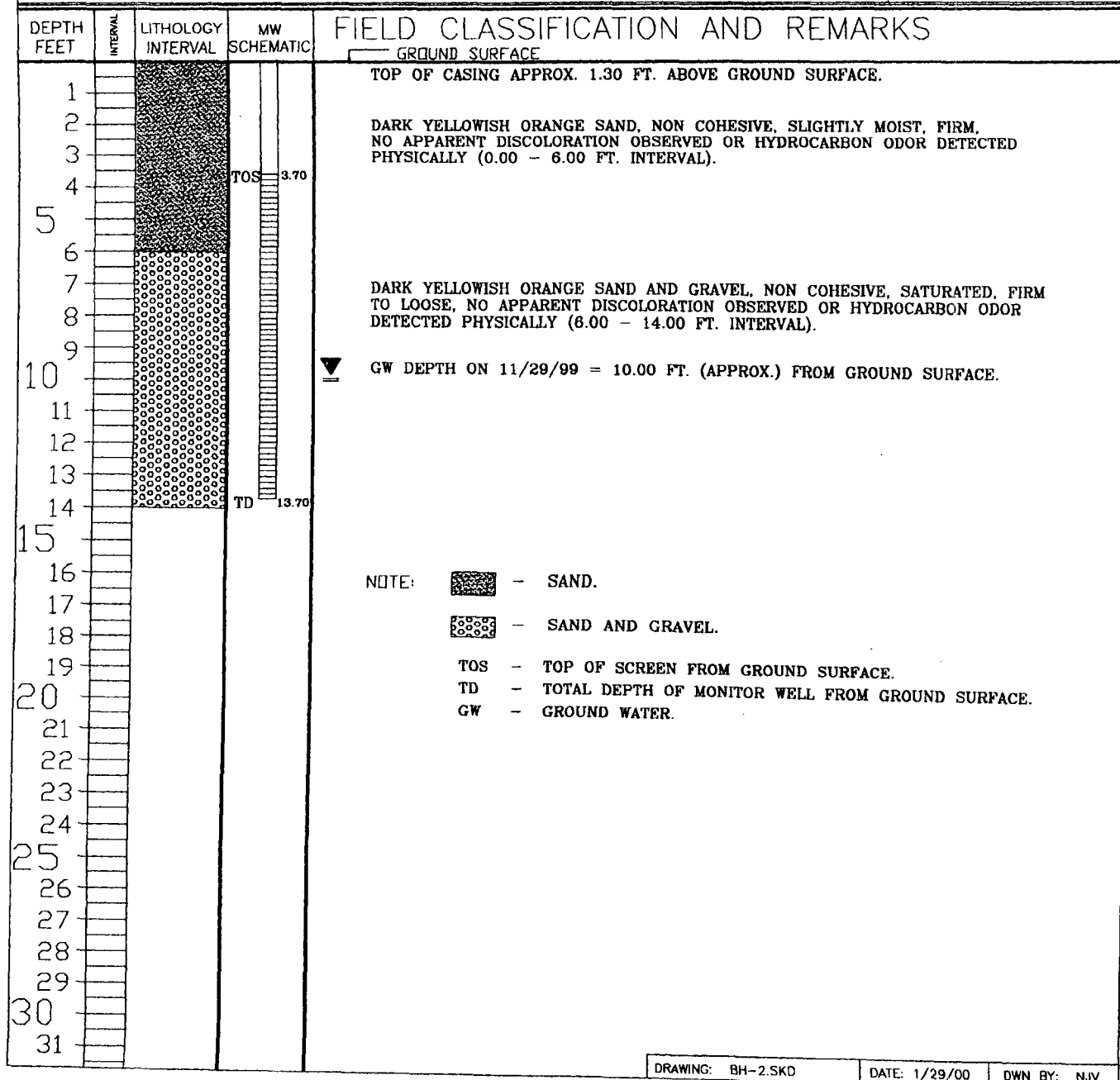


FIGURE 8

BLAGG ENGINEERING, Inc.



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

BORE / TEST HOLE REPORT

CLIENT: XTO ENERGY INC.
LOCATION NAME: STEDJE GC #1
CONTRACTOR: BLAGG ENGINEERING, INC.
EQUIPMENT USED: MOBILE DRILL RIG (ENVIROTECH CME61)
BORING LOCATION: 41.5 FT., N64.5W FEET FROM WELL HEAD.

BORING #..... BH - 3
MW #..... 3
PAGE #..... 3
DATE STARTED 11/11/99
DATE FINISHED 11/11/99
OPERATOR..... DE
PREPARED BY NJV

DEPTH FEET	INTERVAL	LITHOLOGY INTERVAL	MW SCHEMATIC	FIELD CLASSIFICATION AND REMARKS
				GROUND SURFACE
1				TOP OF CASING APPROX. 1.40 FT. ABOVE GROUND SURFACE.
2				
3				DARK YELLOWISH ORANGE SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT DISCOLORATION OBSERVED OR HYDROCARBON ODOR DETECTED PHYSICALLY (0.00 - 6.00 FT. INTERVAL).
4				
5				
6				
7				
8				
9				▼ GW DEPTH ON 11/29/99 = 9.11 FT. (APPROX.) FROM GROUND SURFACE.
10				DARK YELLOWISH ORANGE SAND AND GRAVEL, NON COHESIVE, SATURATED, FIRM TO LOOSE, NO APPARENT DISCOLORATION OBSERVED OR HYDROCARBON ODOR DETECTED PHYSICALLY (6.00 - 14.00 FT. INTERVAL).
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				

NOTE:  - SAND.
 - 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: 1/29/00

DWN BY: NJV

Hall Environmental Analysis Laboratory, Inc.

Date: 15-Dec-06

CLIENT: XTO Energy
Project: Ground Water

Lab Order: 0612121

Lab ID: 0612121-04

Collection Date: 12/6/2006 12:32:00 PM

Client Sample ID: Stedje Gas Com 1 MW-3R

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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EPA METHOD 8021B: VOLATILES

Analyst: NSB

Benzene	ND	1.0		µg/L	1	12/13/2006 1:30:14 PM
Toluene	ND	1.0		µg/L	1	12/13/2006 1:30:14 PM
Ethylbenzene	ND	1.0		µg/L	1	12/13/2006 1:30:14 PM
Xylenes, Total	ND	3.0		µg/L	1	12/13/2006 1:30:14 PM
Surr: 4-Bromofluorobenzene	80.6	70.2-105		%REC	1	12/13/2006 1:30:14 PM

Lab ID: 0612121-05

Collection Date: 12/6/2006 12:22:00 PM

Client Sample ID: Stedje Gas Com 1 MW-2R

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 2:00:25 PM
Toluene	ND	1.0		µg/L	1	12/13/2006 2:00:25 PM
Ethylbenzene	ND	1.0		µg/L	1	12/13/2006 2:00:25 PM
Xylenes, Total	ND	3.0		µg/L	1	12/13/2006 2:00:25 PM
Surr: 4-Bromofluorobenzene	80.8	70.2-105		%REC	1	12/13/2006 2:00:25 PM

Lab ID: 0612121-06

Collection Date: 12/6/2006 12:57:00 PM

Client Sample ID: Stedje Gas Com 1 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	12/13/2006 2:32:48 PM
Toluene	ND	1.0		µg/L	1	12/13/2006 2:32:48 PM
Ethylbenzene	ND	1.0		µg/L	1	12/13/2006 2:32:48 PM
Xylenes, Total	ND	3.0		µg/L	1	12/13/2006 2:32:48 PM
Surr: 4-Bromofluorobenzene	79.9	70.2-105		%REC	1	12/13/2006 2:32:48 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 2 / 5

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

RL Reporting Limit

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: Ground Water

Work Order: 0612121

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
---------	--------	-------	-----	------	----------	-----------	------	----------	------

Method: SW8021

Sample ID: 0612121-01A MSD

MSD

Batch ID: R21800

Analysis Date: 12/13/2006 5:33:06 PM

Benzene	18.11	µg/L	1.0	90.6	85.9	113	2.89	27
Toluene	18.24	µg/L	1.0	91.2	86.4	113	1.16	19
Ethylbenzene	17.68	µg/L	1.0	88.4	83.5	118	1.39	10
Xylenes, Total	53.06	µg/L	3.0	88.4	83.4	122	0.923	13

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: 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: 0612121-01A MS

MS

Batch ID: R21800

Analysis Date: 12/13/2006 5:03:05 PM

Benzene	18.65	µg/L	1.0	93.2	85.9	113
Toluene	18.45	µg/L	1.0	92.2	86.4	113
Ethylbenzene	17.93	µg/L	1.0	89.6	83.5	118
Xylenes, Total	53.56	µg/L	3.0	89.3	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 4/5 recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 06-Oct-06

CLIENT: XTO Energy
Lab Order: 0609347
Project: XTO Groundwater
Lab ID: 0609347-08

Client Sample ID: Stedje Gas Com 1 MW-3R
Collection Date: 9/26/2006 1:02:00 PM
Date Received: 9/27/2006
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 4:47:14 AM
Toluene	ND	1.0		µg/L	1	10/5/2006 4:47:14 AM
Ethylbenzene	ND	1.0		µg/L	1	10/5/2006 4:47:14 AM
Xylenes, Total	ND	3.0		µg/L	1	10/5/2006 4:47:14 AM
Surr: 4-Bromofluorobenzene	92.5	72.2-125		%REC	1	10/5/2006 4:47:14 AM

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

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Hall Environmental Analysis Laboratory, Inc.

Date: 06-Oct-06

CLIENT: XTO Energy
Lab Order: 0609347
Project: XTO Groundwater
Lab ID: 0609347-09

Client Sample ID: Stedje Gas Com 1 MW-2
Collection Date: 9/26/2006 12:20:00 PM
Date Received: 9/27/2006
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 4:07:36 PM
Toluene	ND	1.0		µg/L	1	10/5/2006 4:07:36 PM
Ethylbenzene	ND	1.0		µg/L	1	10/5/2006 4:07:36 PM
Xylenes, Total	ND	3.0		µg/L	1	10/5/2006 4:07:36 PM
Surr: 4-Bromofluorobenzene	93.5	72.2-125		%REC	1	10/5/2006 4:07:36 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:	Stedje Gas Com 1 MW-1
Lab Order:	0609347	Collection Date:	9/26/2006 12:54:00 PM
Project:	XTO Groundwater	Date Received:	9/27/2006
Lab ID:	0609347-10	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 5:47:43 AM
Toluene	ND	1.0		µg/L	1	10/5/2006 5:47:43 AM
Ethylbenzene	ND	1.0		µg/L	1	10/5/2006 5:47:43 AM
Xylenes, Total	ND	3.0		µg/L	1	10/5/2006 5:47:43 AM
Surr: 4-Bromofluorobenzene	93.4	72.2-125		%REC	1	10/5/2006 5:47:43 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	

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Hall Environmental Analysis Laboratory, Inc.

Date: 06-Oct-06

CLIENT: XTO Energy
Lab Order: 0609347
Project: XTO Groundwater
Lab ID: 0609347-11

Client Sample ID: 25092006TB01
Collection Date:
Date Received: 9/27/2006
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
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

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QA/QC SUMMARY REPORT

Client: XTO Energy
Project: XTO Groundwater

Work Order: 0609347

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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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
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Sample ID: MB-11395

MBLK

Batch ID: 11395 Analysis Date: 9/27/2006

Mercury	ND	mg/L	0.00020
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Sample ID: LCS-11395

LCS

Batch ID: 11395 Analysis Date: 9/27/2006

Mercury	0.005070	mg/L	0.00020	101	80	120
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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
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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: 0612121

Lab ID: 0612121-04

Collection Date: 12/6/2006 12:32:00 PM

Client Sample ID: Stedje Gas Com 1 MW-3R

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 1:30:14 PM
Toluene	ND	1.0		µg/L	1	12/13/2006 1:30:14 PM
Ethylbenzene	ND	1.0		µg/L	1	12/13/2006 1:30:14 PM
Xylenes, Total	ND	3.0		µg/L	1	12/13/2006 1:30:14 PM
Surr: 4-Bromofluorobenzene	80.6	70.2-105		%REC	1	12/13/2006 1:30:14 PM

Lab ID: 0612121-05

Collection Date: 12/6/2006 12:22:00 PM

Client Sample ID: Stedje Gas Com 1 MW-2R

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 2:00:25 PM
Toluene	ND	1.0		µg/L	1	12/13/2006 2:00:25 PM
Ethylbenzene	ND	1.0		µg/L	1	12/13/2006 2:00:25 PM
Xylenes, Total	ND	3.0		µg/L	1	12/13/2006 2:00:25 PM
Surr: 4-Bromofluorobenzene	80.8	70.2-105		%REC	1	12/13/2006 2:00:25 PM

Lab ID: 0612121-06

Collection Date: 12/6/2006 12:57:00 PM

Client Sample ID: Stedje Gas Com 1 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	12/13/2006 2:32:48 PM
Toluene	ND	1.0		µg/L	1	12/13/2006 2:32:48 PM
Ethylbenzene	ND	1.0		µg/L	1	12/13/2006 2:32:48 PM
Xylenes, Total	ND	3.0		µg/L	1	12/13/2006 2:32:48 PM
Surr: 4-Bromofluorobenzene	79.9	70.2-105		%REC	1	12/13/2006 2:32:48 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

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: Ground Water

Work Order: 0612121

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SW8021									
Sample ID: 0612121-01A MSD		MSD			Batch ID: R21800	Analysis Date: 12/13/2006 5:33:06 PM			
Benzene	18.11	µg/L	1.0	90.6	85.9	113	2.89	27	
Toluene	18.24	µg/L	1.0	91.2	86.4	113	1.16	19	
Ethylbenzene	17.68	µg/L	1.0	88.4	83.5	118	1.39	10	
Xylenes, Total	53.06	µg/L	3.0	88.4	83.4	122	0.923	13	
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: 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: 0612121-01A MS		MS			Batch ID: R21800	Analysis Date: 12/13/2006 5:03:05 PM			
Benzene	18.65	µg/L	1.0	93.2	85.9	113			
Toluene	18.45	µg/L	1.0	92.2	86.4	113			
Ethylbenzene	17.93	µg/L	1.0	89.6	83.5	118			
Xylenes, Total	53.56	µg/L	3.0	89.3	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 $\bar{4}/5$ 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: 0703123-01

Collection Date: 3/8/2007 8:45:00 AM

Client Sample ID: Stedje GC 1A MW-3R

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 2:28:41 PM
Toluene	ND	1.0		µg/L	1	3/12/2007 2:28:41 PM
Ethylbenzene	ND	1.0		µg/L	1	3/12/2007 2:28:41 PM
Xylenes, Total	ND	2.0		µg/L	1	3/12/2007 2:28:41 PM
Surr: 4-Bromofluorobenzene	86.8	70.2-105		%REC	1	3/12/2007 2:28:41 PM

Lab ID: 0703123-02

Collection Date: 3/8/2007 9:04:00 AM

Client Sample ID: Stedje GC 1A MW-2R

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 2:58:51 PM
Toluene	ND	1.0		µg/L	1	3/12/2007 2:58:51 PM
Ethylbenzene	ND	1.0		µg/L	1	3/12/2007 2:58:51 PM
Xylenes, Total	ND	2.0		µg/L	1	3/12/2007 2:58:51 PM
Surr: 4-Bromofluorobenzene	85.1	70.2-105		%REC	1	3/12/2007 2:58:51 PM

Lab ID: 0703123-03

Collection Date: 3/8/2007 9:27:00 AM

Client Sample ID: Stedje GC 1A 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	3/12/2007 3:28:53 PM
Toluene	ND	1.0		µg/L	1	3/12/2007 3:28:53 PM
Ethylbenzene	ND	1.0		µg/L	1	3/12/2007 3:28:53 PM
Xylenes, Total	ND	2.0		µg/L	1	3/12/2007 3:28:53 PM
Surr: 4-Bromofluorobenzene	85.8	70.2-105		%REC	1	3/12/2007 3:28:53 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

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: Ground Water

Work Order: 0703123

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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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
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