

3R - 386

**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 386

XTO ENERGY INC.

ANNUAL GROUNDWATER REPORT

2007

***O.H. RANDEL #7
(D) SECTION 15 – T26N – R11W, NMPM
SAN JUAN COUNTY, NEW MEXICO***

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

January 2008

TABLE OF CONTENTS

Site Details	3
Previous Activities	3
Site Map	3
Summary Tables	3
Potentiometric Surface Diagrams	3
Annual Groundwater Remediation Reports.....	3
2007 Activities	3
Geologic Logs and Well Completion Diagrams	3
Disposition of Generated Wastes	4
Conclusions	4
Recommendations	4

Appendices

Table 1:	Summary Groundwater Laboratory Results
Figure 1:	Site Map
Figures 2 - 5:	Potentiometric Surface Diagram
Figures 6 - 15:	Geologic Logs and Well Completion Diagrams
Attachment 1:	2007 Laboratory Reports
Attachment 2:	Pit Closure Documentation & NMOCD Correspondence Letter
Attachment 3:	NNEPA Correspondence
Attachment 4:	Report of Excavation and Sampling

2007 XTO GROUNDWATER REPORT

OH RANDEL #7

SITE DETAILS

LEGALS - TWN: 26N RNG: 11W SEC: 15 UNIT: D
NMOCD HAZARD RANKING: 20 LAND TYPE: NAVAJO

PREVIOUS ACTIVITIES

Soil Boring: Mar/Apr-02 Monitoring Wells: Mar/Apr-02
Quarterly Sampling Initiated: Apr-02 Excavation: Dec-06 (9,000cy)
Additional Monitoring Wells: May-07
Quarterly Sampling Re-initiated: May-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. 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 collected during site monitoring activities indicate the groundwater surface is relatively flat trending primarily toward the southwest. Groundwater at this site may be influenced by irrigation of a field adjacent to the location. Additionally, it is possible the groundwater at this site is a shallow water table created by irrigation water from this field. In March 2007 the groundwater flow rate increased slightly exhibiting a more easterly flow which was attributed to the seasonal irrigation of the adjacent field. Figures 2 – 5 illustrate the estimated groundwater gradients for 2007.

ANNUAL GROUNDWATER REMEDIATION REPORTS

The 2005 annual groundwater report was submitted to New Mexico Oil Conservation Division (NMOCD) in January 2006, proposing excavation of soil impacted by the former separator pit upon approval by Navajo Nation EPA (NNEPA).

The 2006 annual groundwater report was submitted to NMOCD in February 2007, proposing installation of additional groundwater monitoring wells to the north and east of the former source area and continued quarterly sampling.

2007 ACTIVITIES

Groundwater samples collected from monitoring wells MW-3, MW-4, and MW-5, showed no detectable levels or trace levels of benzene, toluene, ethyl benzene or total xylenes (BTEX) constituents. Monitoring wells MW-7 and MW-8 were installed north and east of the former source area in May 2007. Laboratory results from MW-7 reveal elevated levels of BTEX and MW-8 shows slightly elevated levels of benzene.

GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

Bore/Test Hole Reports are presented as Figures 6 - 15 representing drilling that occurred on site in March and April 2002 and again in May 2007.

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. Hydrocarbon impacted soils excavated in November 2006 were transported to the Envirotech Landfarm outside Bloomfield, NM for treatment.

CONCLUSIONS

January 1998 XTO Energy Inc. (XTO) acquired the OH Randel #7 from Amoco Production Company. In March 2002 hydrocarbon impact to soil and groundwater was discovered from a historical earthen separator pit (Attachment 2). Groundwater monitoring wells were installed near the abandoned pit, upgradient of the pit and cross- and downgradient of the former pit.

Phase separated hydrocarbons (PSH) were observed in monitoring wells MW-1, MW-2 and MW-6. A total of approximately 22 gallons of product had been recovered from bailing the PSH as of January 2006. XTO submitted a remediation work plan to the Navajo Nation EPA in August 2006 (Attachment 3) and received approval in October 2006. The first phase of the work plan was excavation and backfilling with clean soil, which was completed in November 2006 (Attachment 4). Approximately 9,000 cubic yards of hydrocarbon impacted soil was removed and transported to a NMOCD approved landfarm. No product was observed prior to the November 2006 excavation work. The US EPA Region 9 and NNEPA approved the closure of the excavation as described in the report.

Following the excavation work, groundwater from monitoring wells MW-3, MW-4, and MW-5 showed no detectable levels or trace concentrations of dissolved hydrocarbons. Monitoring wells numbered MW-7 and MW-8 were installed to the north and the east of the former pit in May 2007. It appears that groundwater impact throughout the excavated area has been adequately delineated with the exception of the far northwest edge (MW-7). XTO proposes to evaluate other potential sources of groundwater impacts in this area and screen appropriate remediation methods for MW-7. Groundwater samples will be collected semi-annually until samples indicate BTEX constituents are below the New Mexico Water Quality Control Commission (NMWQCC) standards. XTO requests closure of monitoring wells MW-3, MW-4 and MW-5 in accordance with NMOCD approved Groundwater Management Plan.

RECOMMENDATIONS

- Continue evaluation of site and semi annual sampling of MW-7 & MW-8.
- Closure of MW-3, MW-4, & MW-5.
- Following OCD, NNEPA and USEPA 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

O.H. RANDEL #7- SEP. PIT UNIT D, SEC. 15, T26N, R11W

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
22-Apr-02	MW #3	16.26	22.50		NA	NA	NA	NA
24-Apr-02		16.25			24	2.4	0.58	200
27-Aug-02		15.28			9.4	ND	ND	150
08-Oct-02		14.74			NA	NA	NA	NA
03-Mar-03		15.17			5.5	ND	ND	43
18-Jun-03		15.16			6.1	0.97	ND	43
29-Aug-03		15.39			3.2	0.53	ND	24
05-Dec-06		13.85	23.85		ND	ND	ND	ND
08-Mar-07		13.40	23.40		ND	ND	ND	3.8
17-May-07					ND	ND	ND	ND
09-Aug-07		12.37	23.40		ND	ND	ND	ND
27-Nov-07		12.70	23.40		ND	ND	ND	ND
22-Apr-02	MW #4	16.63	23.50		NA	NA	NA	NA
24-Apr-02		16.66			ND	0.59	ND	2.1
27-Aug-02		16.47			1.3	ND	ND	3.5
08-Oct-02		16.03			NA	NA	NA	NA
03-Mar-03		15.94			4.2	ND	ND	5
18-Jun-03		16.03			6.2	ND	ND	4.5
29-Aug-03		16.29			8.3	ND	ND	4.3
05-Dec-06		13.75	22.44		ND	ND	ND	ND
08-Mar-07		12.55	22.44		ND	ND	ND	ND
17-May-07					ND	ND	ND	ND
09-Aug-07		12.59	22.44		ND	ND	ND	ND
27-Nov-07		12.65	22.44		ND	ND	ND	ND
22-Apr-02	MW #5	19.11	25.00		NA	NA	NA	NA
24-Apr-02		19.14			510	0.64	8.9	240
08-Oct-02		19.10			NA	NA	NA	NA
18-Jun-03		18.86			1,100	20	ND	660
21-Jun-04		19.64			2,000	ND	ND	260
28-Jun-05		17.30			1,100	15	ND	160
05-Dec-06		18.65	26.14		37	ND	ND	4.1
08-Mar-07		18.15	26.14		ND	ND	ND	ND
17-May-07					ND	ND	ND	ND
27-Nov-07		18.63	26.14		3.0	1.0	ND	ND
17-May-07	MW #7				8500	17000	980	16000
09-Aug-07		14.72	32.07		9800	11000	770	12000
27-Nov-07		14.91	32.07		12000	9000	940	13000
17-May-07	MW #8				ND	1.9	ND	3.7
09-Aug-07		18.94	32.45		ND	ND	ND	ND
27-Nov-07		19.20	32.45		21	ND	ND	ND
NMWQCC GROUNDWATER STANDARDS					10	750	750	620



FIGURE 1

MW #5

MW #2

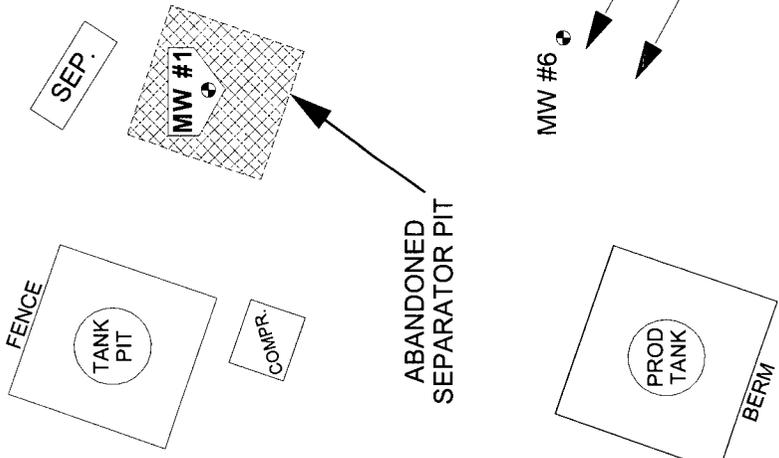
MW #3

MW #4

MW #6

METER RUN

TO WELL HEAD (~125 ft.)



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 MAY NOT BE TO SCALE.

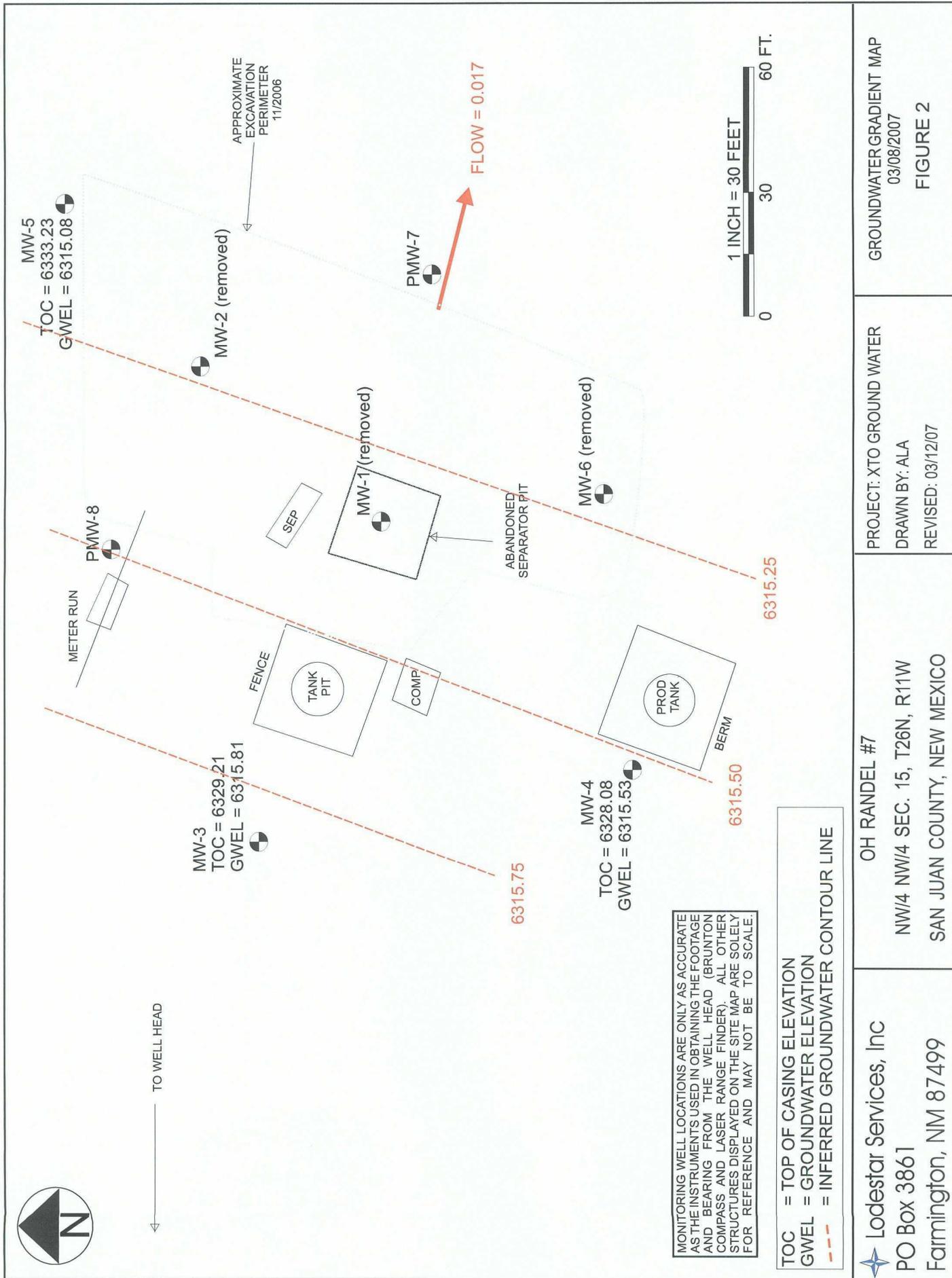
SITE MAP

06/05

PROJECT: GW INVESTIGAT.
 DRAWN BY: NJV
 FILENAME: 10-17-05-SM.SKF
 REVISED: 10/17/05 NJV

BLAGG ENGINEERING, INC.
 CONSULTING PETROLEUM / RECLAMATION SERVICES
 P.O. BOX 87
 BLOOMFIELD, NEW MEXICO 87413
 PHONE: (505) 632-1199

XTO ENERGY INC.
 O.H. RANDEL #7
 NW¼ NW¼ SEC. 15, T26N, R11W, NMPM
 SAN JUAN COUNTY, NEW MEXICO



TO WELL HEAD

MW-5
 TOC = 6333.23
 GWEL = 6315.08

MW-3
 TOC = 6329.21
 GWEL = 6315.81

MW-4
 TOC = 6328.08
 GWEL = 6315.53

MW-1 (removed)

MW-2 (removed)

MW-6 (removed)

PMW-7

PMW-8

FLOW = 0.017



APPROXIMATE EXCAVATION PERIMETER 11/2006

FENCE

TANK PIT

COMP

PROD TANK

BERM

6315.75

6315.50

6315.25

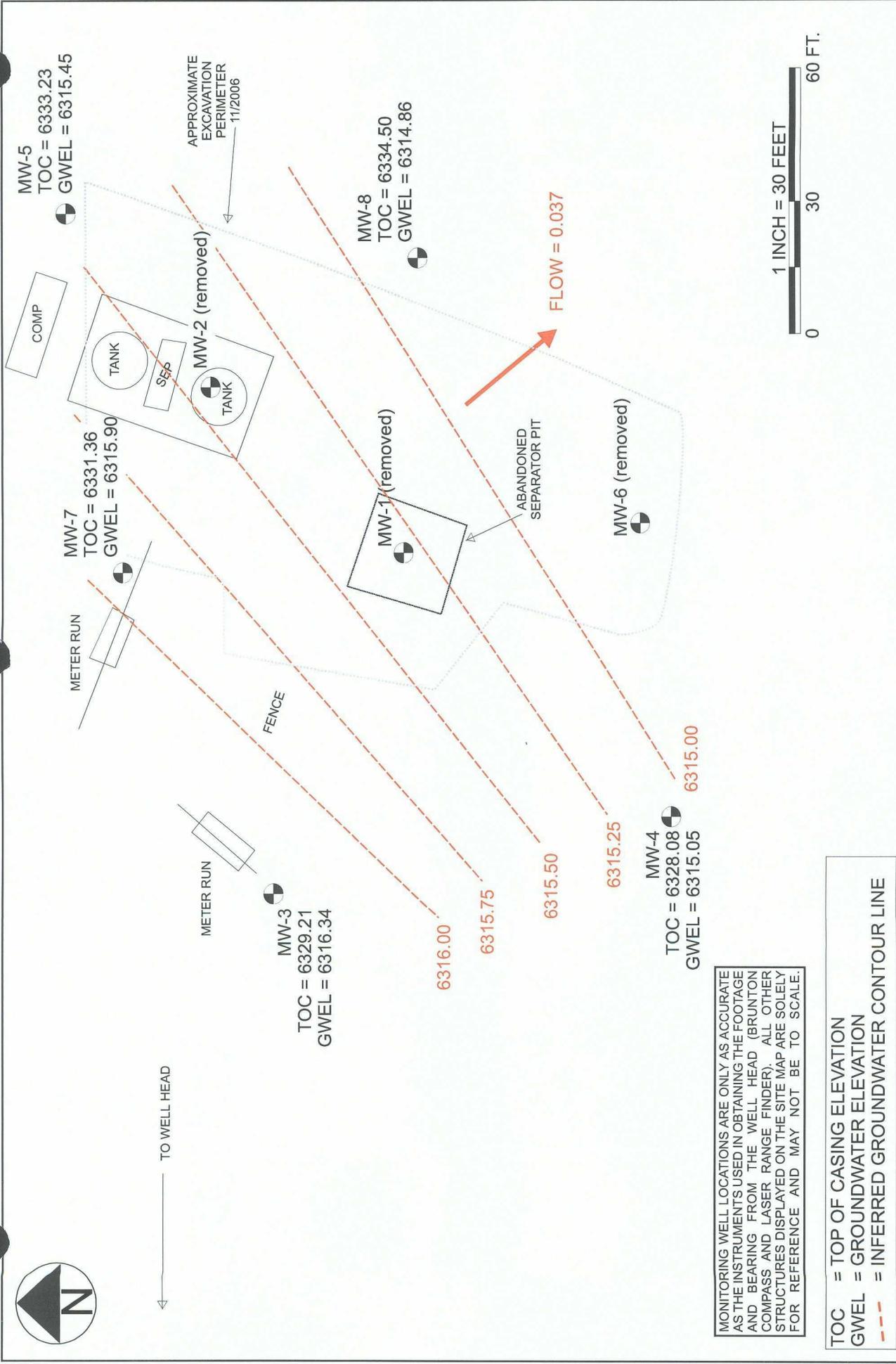
ABANDONED SEPARATOR PIT

SEP

METER RUN



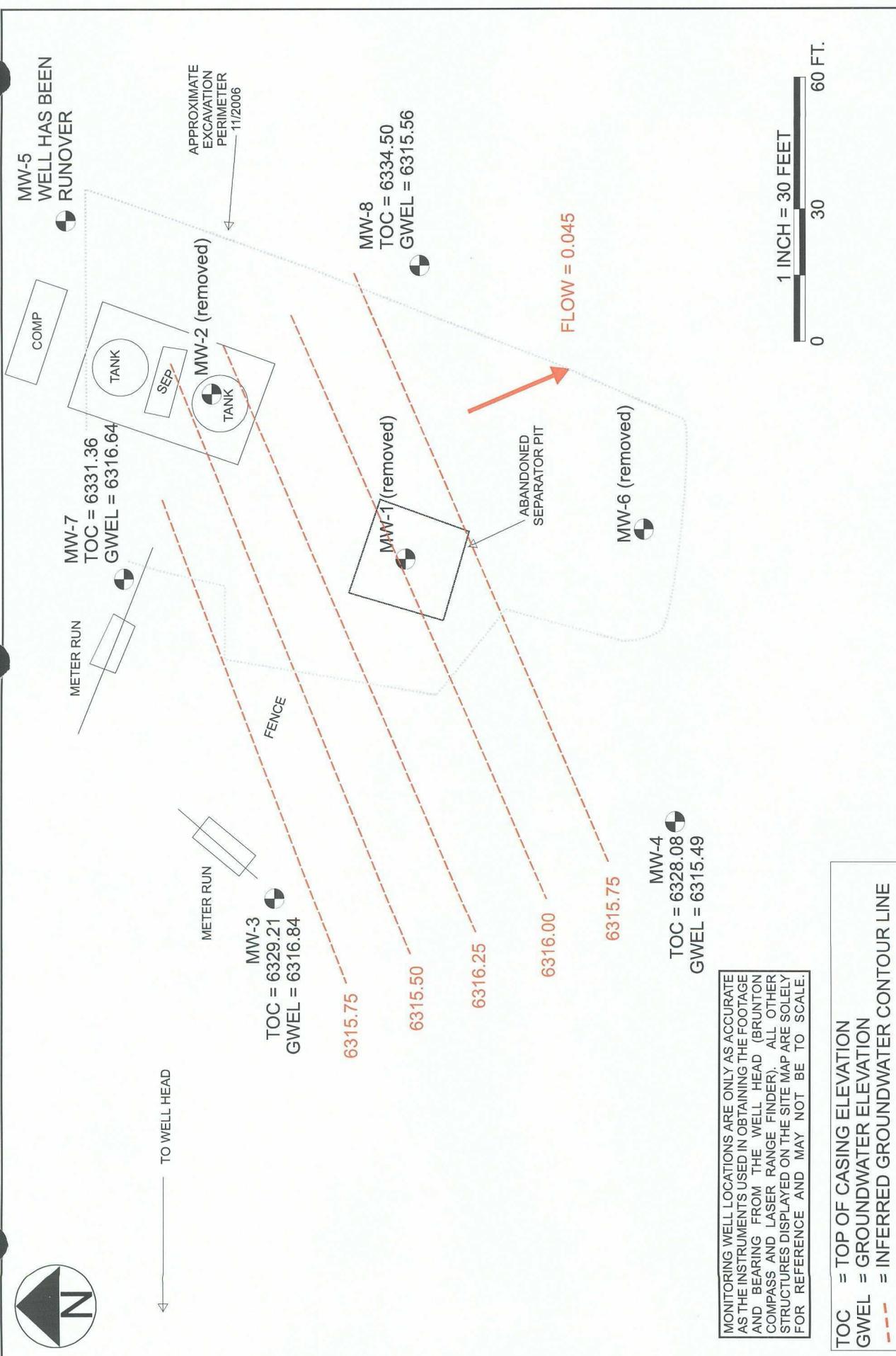
TO WELL HEAD



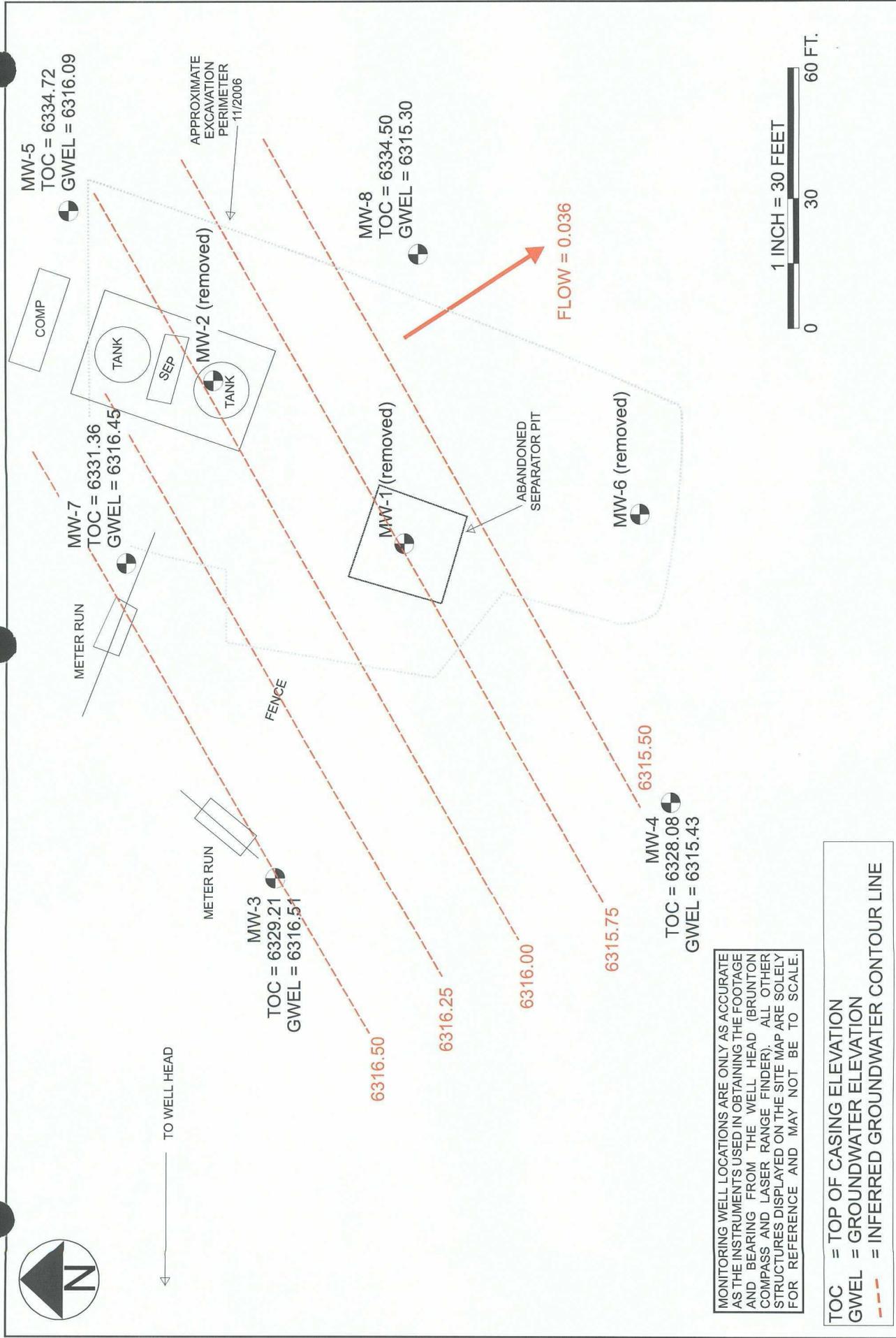
<p>Lodestar Services, Inc PO Box 3861 Farmington, NM 87499</p>	<p>OH RANDEL #7 NW/4 NW/4 SEC. 15, T26N, R11W SAN JUAN COUNTY, NEW MEXICO</p>	<p>PROJECT: XTO GROUND WATER DRAWN BY: ALA REVISED: 05/31/07</p>	<p>GROUNDWATER GRADIENT MAP 05/17/2007 FIGURE 3</p>
--	---	--	---



← TO WELL HEAD



<p>Lodestar Services, Inc PO Box 3861 Farmington, NM 87499</p>	<p>OH RANDEL #7 NW/4 NW/4 SEC. 15, T26N, R11W SAN JUAN COUNTY, NEW MEXICO</p>	<p>PROJECT: XTO GROUND WATER DRAWN BY: ALA REVISED: 08/10/07</p>	<p>GROUNDWATER GRADIENT MAP 08/09/2007 FIGURE 4</p>
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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

<p>Lodestar Services, Inc PO Box 3861 Farmington, NM 87499</p>	<p>OH RANDEL #7 NW/4 NW/4 SEC. 15, T26N, R11W SAN JUAN COUNTY, NEW MEXICO</p>	<p>PROJECT: XTO GROUND WATER DRAWN BY: ALA REVISED: 11/29/07</p>	<p>GROUNDWATER GRADIENT MAP 11/27/2007 FIGURE 5</p>
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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	3/22/02
DATE FINISHED	3/22/02
OPERATOR.....	JCB
PREPARED BY	NJV

CLIENT: **XTO ENERGY INC.**
 LOCATION NAME: **RANDEL, O.H. #7 - SEP. PIT, UNIT D, SEC. 15, T26N, R11W**
 CONTRACTOR: **BLAGG ENGINEERING, INC.**
 EQUIPMENT USED: **MOBILE DRILL RIG (EARTHPROBE)**
 BORING LOCATION: **240 FT., S76.5E FEET FROM WELL HEAD.**

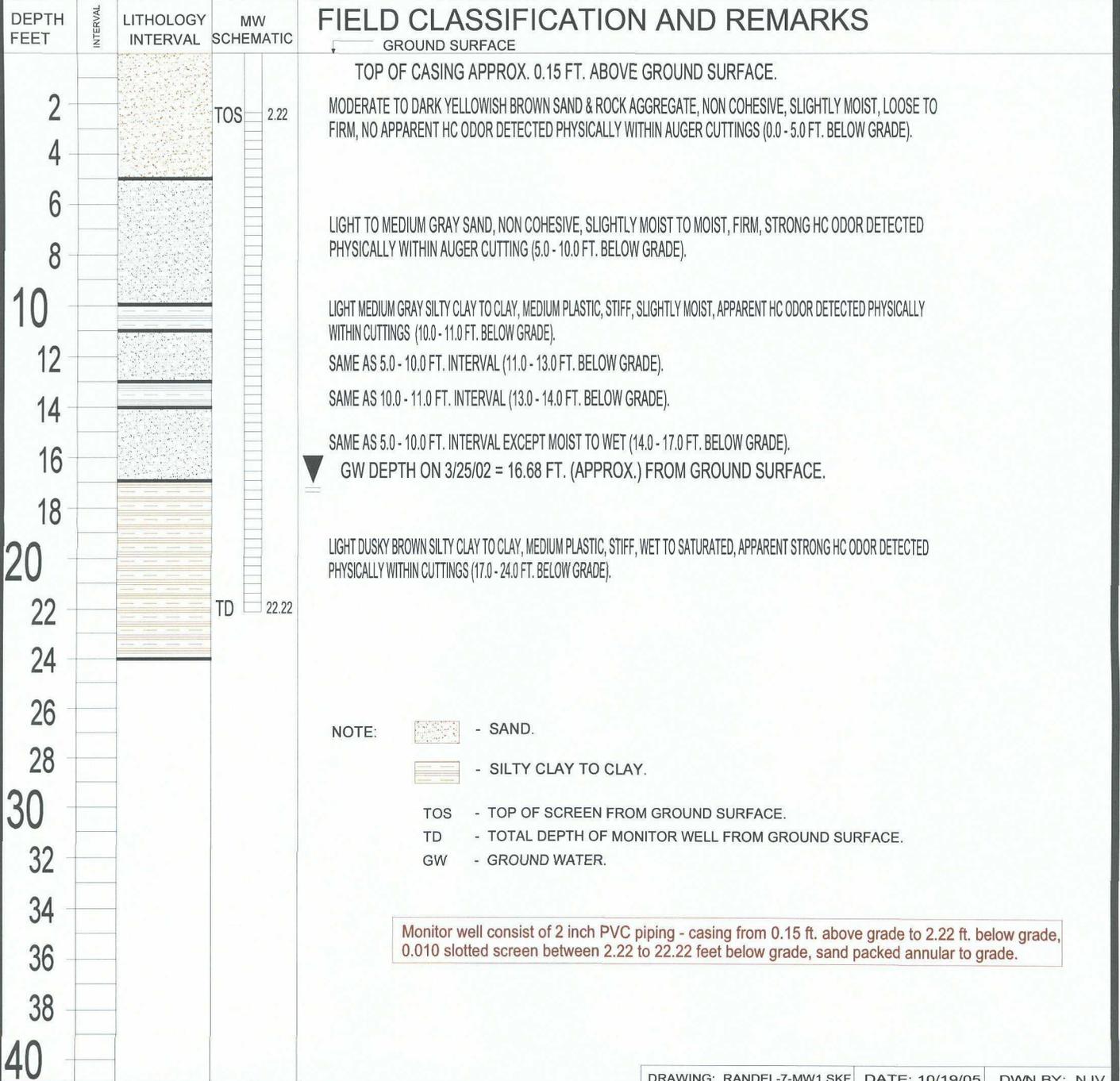


FIGURE 7

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	4/09/02
DATE FINISHED	4/09/02
OPERATOR.....	JCB
PREPARED BY	NJV

CLIENT: **XTO ENERGY INC.**
 LOCATION NAME: **RANDEL, O.H. #7 - SEP. PIT, UNIT D, SEC. 15, T26N, R11W**
 CONTRACTOR: **BLAGG ENGINEERING, INC.**
 EQUIPMENT USED: **MOBILE DRILL RIG (EARTHPROBE)**
 BORING LOCATION: **274 FT., S87.5E FEET FROM WELL HEAD.**

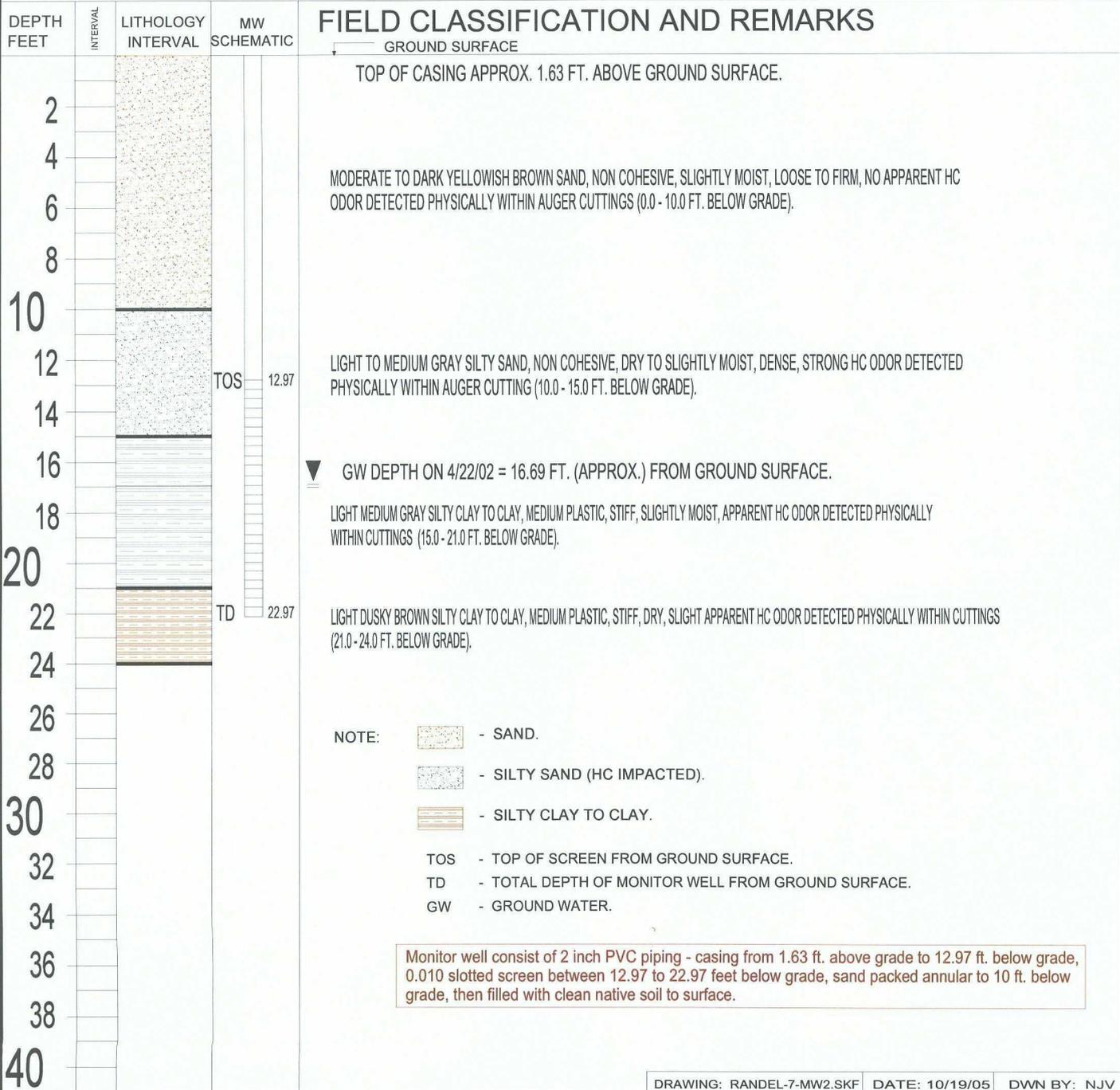


FIGURE 8

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	4/09/02
DATE FINISHED	4/09/02
OPERATOR.....	JCB
PREPARED BY	NJV

CLIENT: XTO ENERGY INC.
 LOCATION NAME: RANDEL, O.H. #7 - SEP. PIT, UNIT D, SEC. 15, T26N, R11W
 CONTRACTOR: BLAGG ENGINEERING, INC.
 EQUIPMENT USED: MOBILE DRILL RIG (EARTHPROBE)
 BORING LOCATION: 158 FT., S80.5E FEET FROM WELL HEAD.

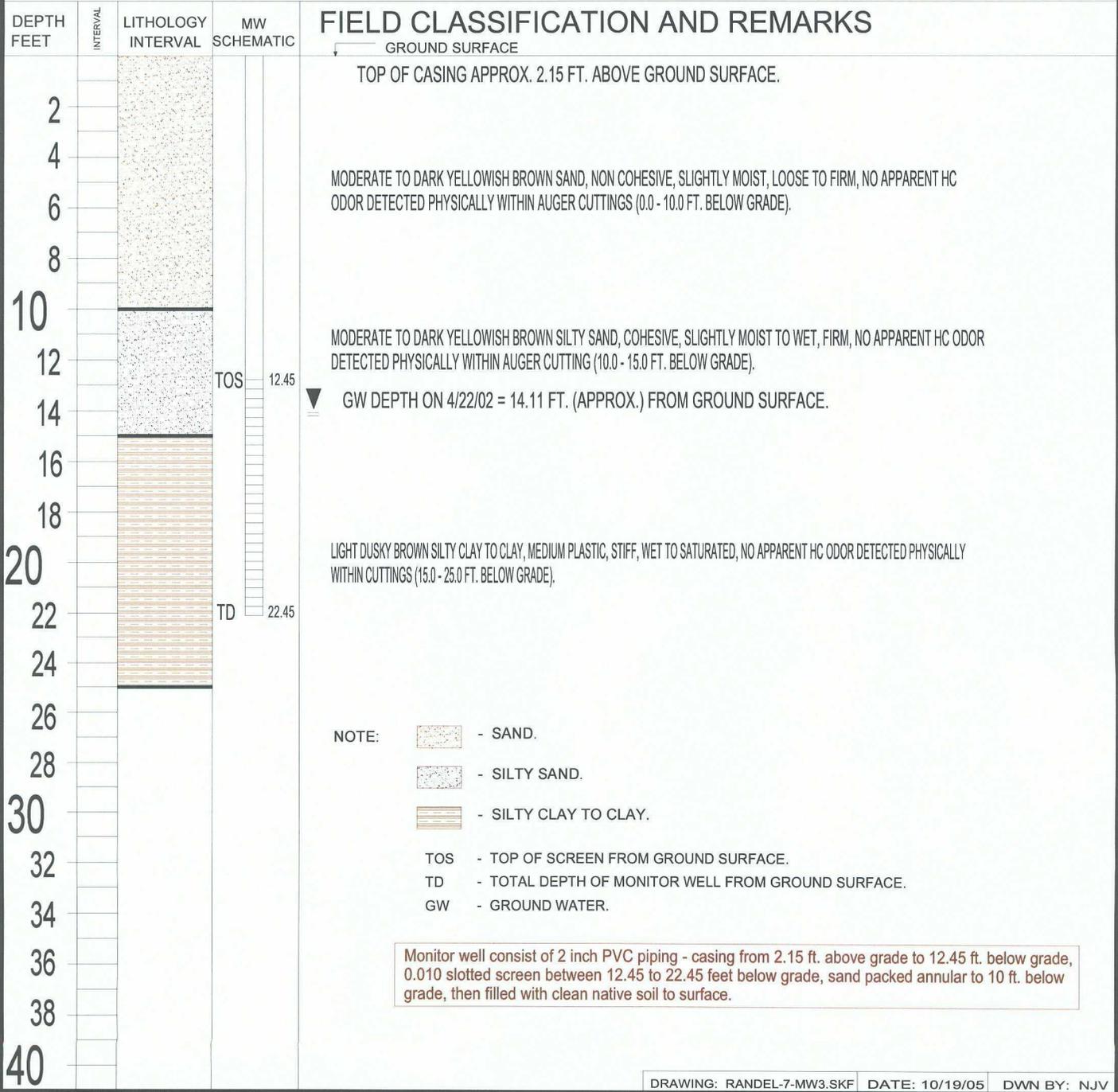


FIGURE 9

BLAGG ENGINEERING, INC.

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

BORE / TEST HOLE REPORT

BORING #..... BH - 4
 MW #..... 4
 PAGE #..... 4
 DATE STARTED 4/09/02
 DATE FINISHED 4/09/02
 OPERATOR..... JCB
 PREPARED BY NJV

CLIENT: **XTO ENERGY INC.**
 LOCATION NAME: **RANDEL, O.H. #7 - SEP. PIT, UNIT D, SEC. 15, T26N, R11W**
 CONTRACTOR: **BLAGG ENGINEERING, INC.**
 EQUIPMENT USED: **MOBILE DRILL RIG (EARTHPROBE)**
 BORING LOCATION: **210 FT., S56E FEET FROM WELL HEAD.**

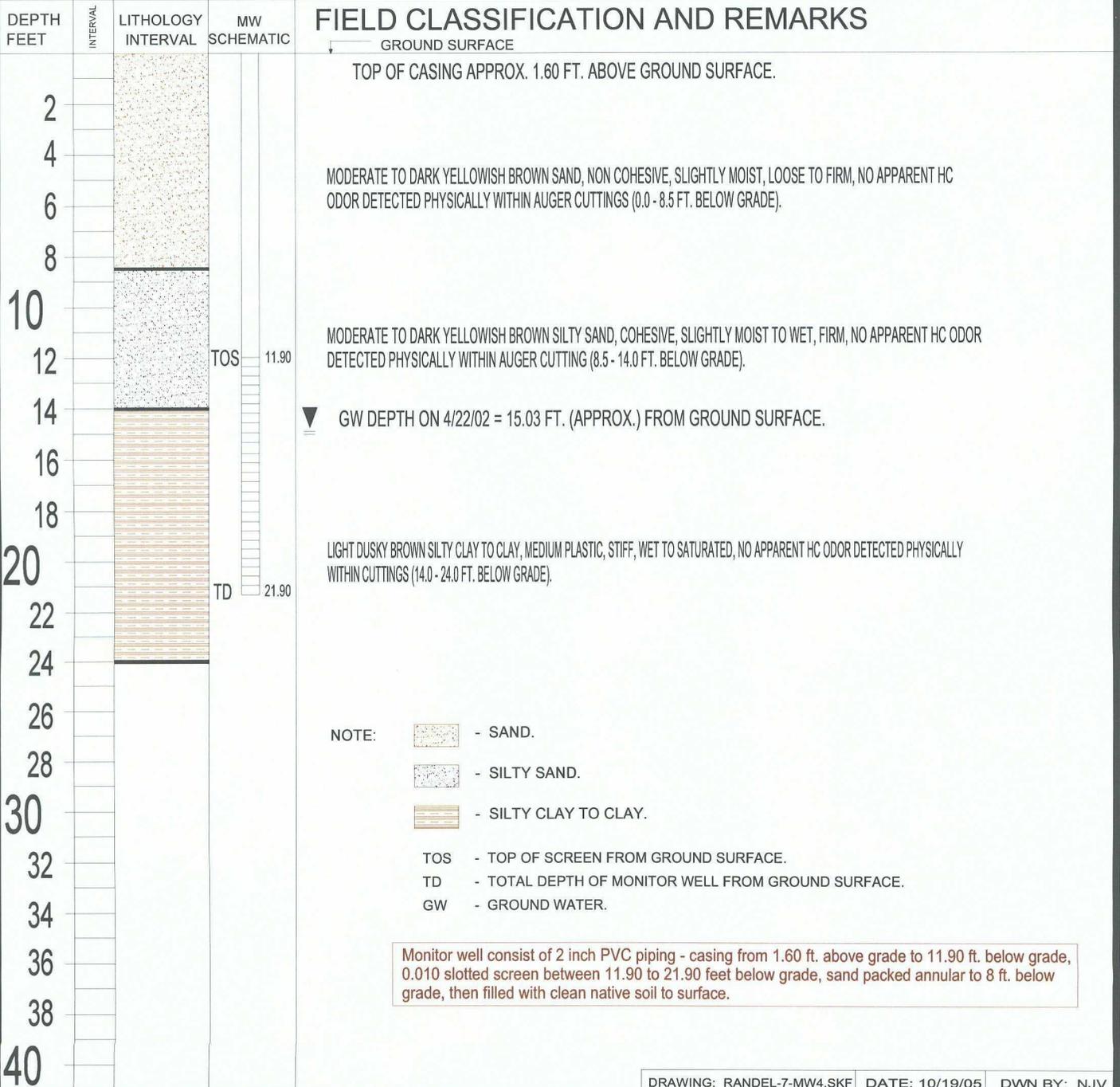


FIGURE 10

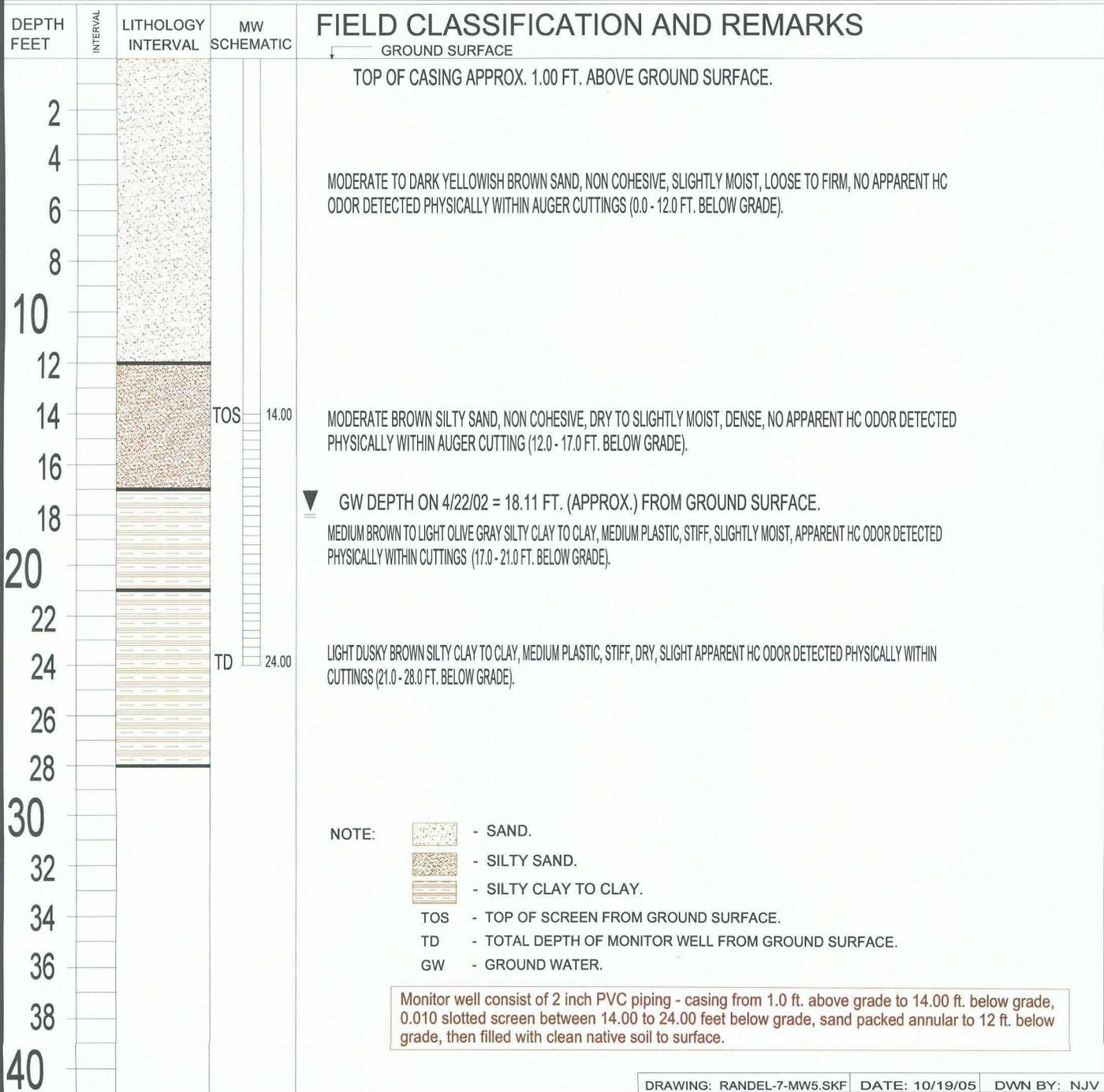
BLAGG ENGINEERING, INC.

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

BORE / TEST HOLE REPORT

BORING #.....	BH - 5
MW #.....	5
PAGE #.....	5
DATE STARTED	4/19/02
DATE FINISHED	4/19/02
OPERATOR.....	JCB
PREPARED BY	NJV

CLIENT: XTO ENERGY INC.
 LOCATION NAME: RANDEL, O.H. #7 - SEP. PIT, UNIT D, SEC. 15, T26N, R11W
 CONTRACTOR: BLAGG ENGINEERING, INC.
 EQUIPMENT USED: MOBILE DRILL RIG (EARTHPROBE)
 BORING LOCATION: 312 FT., N86E FEET FROM WELL HEAD.



- NOTE:
-  - SAND.
 -  - SILTY SAND.
 -  - SILTY CLAY TO CLAY.
 - TOS - TOP OF SCREEN FROM GROUND SURFACE.
 - TD - TOTAL DEPTH OF MONITOR WELL FROM GROUND SURFACE.
 - GW - GROUND WATER.

Monitor well consist of 2 inch PVC piping - casing from 1.0 ft. above grade to 14.00 ft. below grade, 0.010 slotted screen between 14.00 to 24.00 feet below grade, sand packed annular to 12 ft. below grade, then filled with clean native soil to surface.

FIGURE 11

BLAGG ENGINEERING, INC.

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

BORE / TEST HOLE REPORT

BORING #..... BH - 6
 MW #..... 6
 PAGE #..... 6
 DATE STARTED 4/19/02
 DATE FINISHED 4/19/02
 OPERATOR..... JCB
 PREPARED BY NJV

CLIENT: XTO ENERGY INC.
 LOCATION NAME: RANDEL, O.H. #7 - SEP. PIT, UNIT D, SEC. 15, T26N, R11W
 CONTRACTOR: BLAGG ENGINEERING, INC.
 EQUIPMENT USED: MOBILE DRILL RIG (EARTHPROBE)
 BORING LOCATION: 266 FT., S65.5E FEET FROM WELL HEAD.

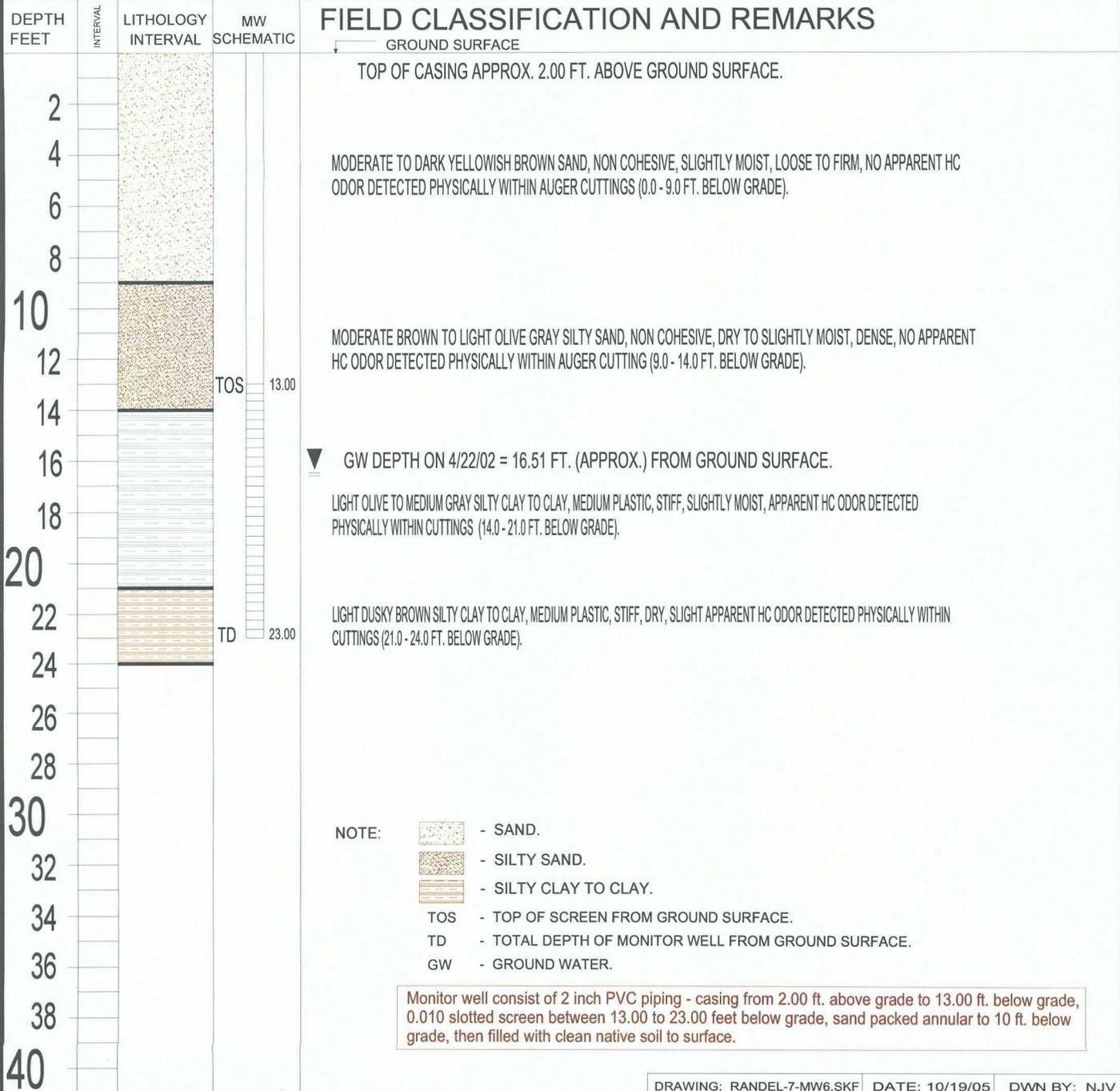


Figure 12

RECORD OF SUBSURFACE EXPLORATION

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

Borehole #: 1
 Well #: MW-7
 Page: 1 of 2

Project Number: _____
 Project Name: XTO Ground Water
 Project Location: OH Randel #7

Borehole Location: 36° 29.508' N, 107° 59.720' W
 GWL Depth: 19'
 Drilled By: Enviro-Drill
 Well Logged By: Ashley Ager
 Date Started: 05/01/07
 Date Completed: 05/01/07

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	brown, unconsolidated, poorly sorted sand and gravel, damp	0	Easy
5						
	2	5-7'	split spoon	brown, unconsolidated, poorly sorted sand and gravel, damp	0	Easy
10						
	3	10-12	split spoon	10-10.5: brown, unconsolidated, poorly sorted sand and gravel, damp 10.5-12: whitish-brown medium sand, well sorted, unconsolidated, dry	0 0	Easy
15						
	4	15-17	split spoon	15-15.5: reddish brown coarse sand, poorly sorted, damp 15.5-16.5: brown clay with white chalkish material on top 16.5-17: reddish brown silty sand, coarse, poorly sorted, damp	7.2 0 0	Easy
20						

Comments: _____

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-7
Page: 2 of 2

Project Number: _____
Project Name: XTO Ground Water
Project Location: OH Randel #7

Borehole Location: 36° 29.522' N, 107° 59.736' W
GWL Depth: 16.5
Drilled By: Enviro-Drill
Well Logged By: Ashley Ager
Date Started: 05/01/07
Date Completed: 05/01/07

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	5	20-22	split spoon	20-20.4: reddish brown, coarse sand, poorly sorted, damp	1.3	Easy
				20.4-20.8: gray coarse sand, moist, poorly sorted	1.0	
				20.8-21: saturated gray coarse sand, poorly sorted	0.5	
				21-22: reddish gray clay	0	
25	6	25-16	split spoon	Variegated reddish brown clay, dry	0	Easy
					0	
30	7	30-32	split spoon	Variegated reddish brown clay, dry	0	Easy
35						
40						

Comments: Very thin saturated layer at approximately 20'. Stiff clay is present below that.
Wet layer probably represents a small perched aquifer atop the clay.

Geologist Signature: Ashley L. Ager

Figure 13
MONITORING WELL INSTALLATION RECORD
Lodestar Services, Inc

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

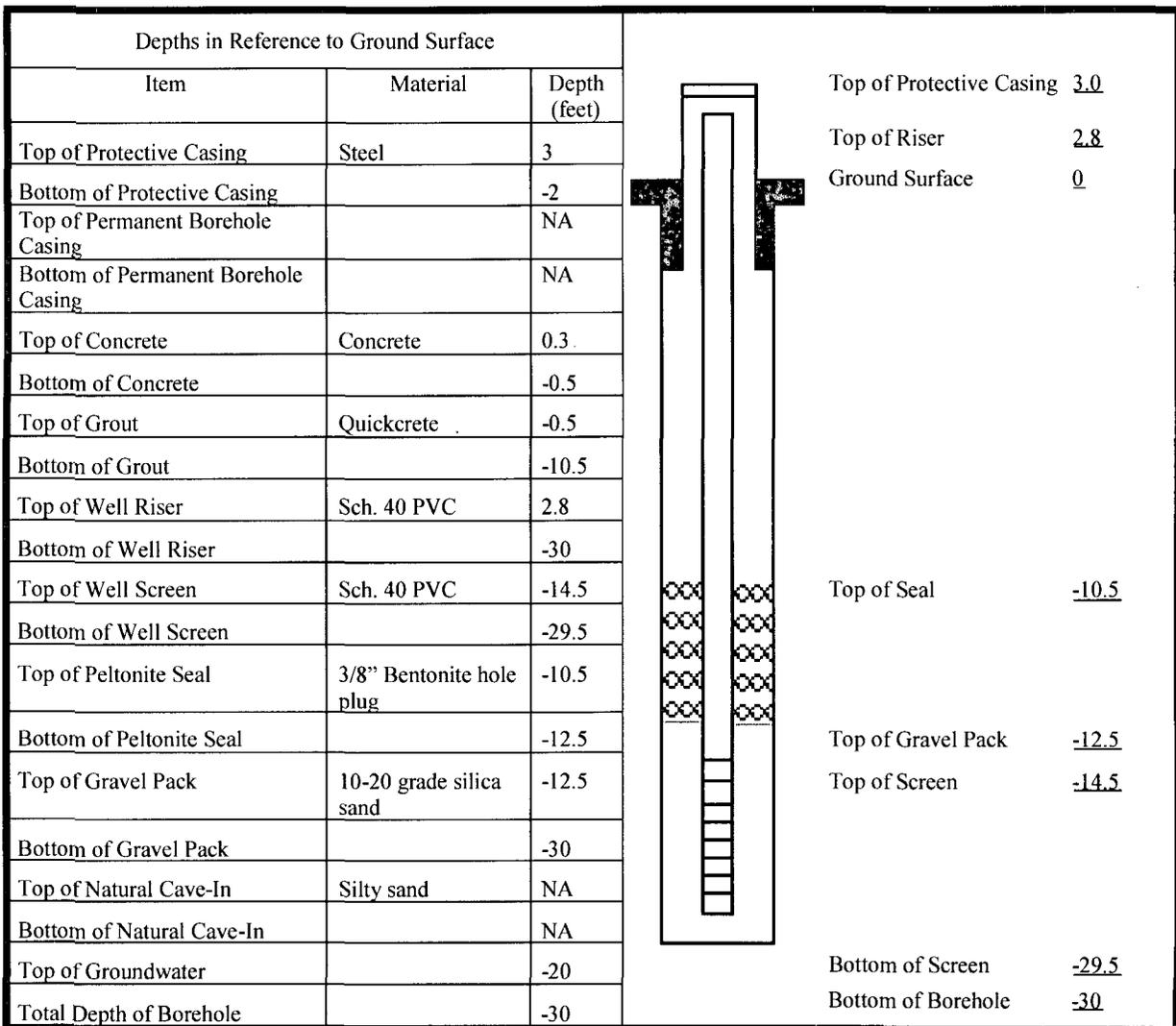
Borehole # 1
 Well # MW-7
 Page 1 of 1

Project Name XTO Ground Water
 Project Number _____ Cost Code _____
 Project Location OH Randel #7

Elevation 6320
 Well Location 36° 29.508' N, 107° 59.720' W
 GWL Depth 20'
 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 05/01/07, 1133
 Date/Time Completed 05/01/07, 1230



Comments: 50 lb bags of sand used: 5.5 ea., 50 lb bags of bentontie used: 1 ea., Grout: 1 bag bentonite, 1 bag quikcrete; 1 bag of quikcrete used

Geologist Signature Ashley L. Ager

Figure 14

RECORD OF SUBSURFACE EXPLORATION

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

Borehole #: 1
 Well #: MW-8
 Page: 1 of 2

Project Number: _____
 Project Name: XTO Ground Water
 Project Location: OH Randel #7

Borehole Location: 36° 29.522' N, 107° 59.736' W
 GWL Depth: 16.5
 Drilled By: Enviro-Drill
 Well Logged By: Ashley Ager
 Date Started: 05/01/07
 Date Completed: 05/01/07

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	brown, unconsolidated, poorly sorted sand and gravel, damp	0	Easy
5	2	5-7'	split spoon	brown, unconsolidated, poorly sorted sand and gravel, damp	0	Easy
10	3	10-11.8	split spoon	brown, unconsolidated, poorly sorted sand and gravel, damp	0	Easy
15	4	15-16.9	split spoon	15-15.8: brown, unconsolidated, poorly sorted sand and gravel 15.8-16.4: moist, grayish brown sandy silt 16.4-16.9: coarse, poorly sorted, grayish brown sand, wet, some HC odor	0 52.8 319	Easy Easy Easy
20						

Comments: _____

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-8
Page: 2 of 2

Project Number: _____
Project Name: XTO Ground Water
Project Location: OH Randel #7

Borehole Location: 36° 29.522' N, 107° 59.736' W
GWL Depth: 16.5
Drilled By: Enviro-Drill
Well Logged By: Ashley Ager
Date Started: 05/01/07
Date Completed: 05/01/07

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	5	20-21.8	split spoon	20-20.4: reddish brown sand, coarse, poorly sorted, some gravel content, moist	78.9	Easy
				20.4-21.8: variegated reddish gray stiff clay, moist	0.2	Easy
25	6	25-27	split spoon	Variegated reddish brown clay wet at top, dry at bottom	0	Easy
30	7	30-32	split spoon	30-30.7: variegated reddish brown clay	0	Steady
				30.7-31.8: greenish gray silty sand, coarse, poorly sorted, consolidated, dry	0	
35						
40						

Comments: Very thin saturated layer at approximately 16.5'. Stiff clay is present below that.
Wet layer probably represents a small perched aquifer atop the clay.

Geologist Signature: Ashley L. Ager

Figure 15
MONITORING WELL INSTALLATION RECORD

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

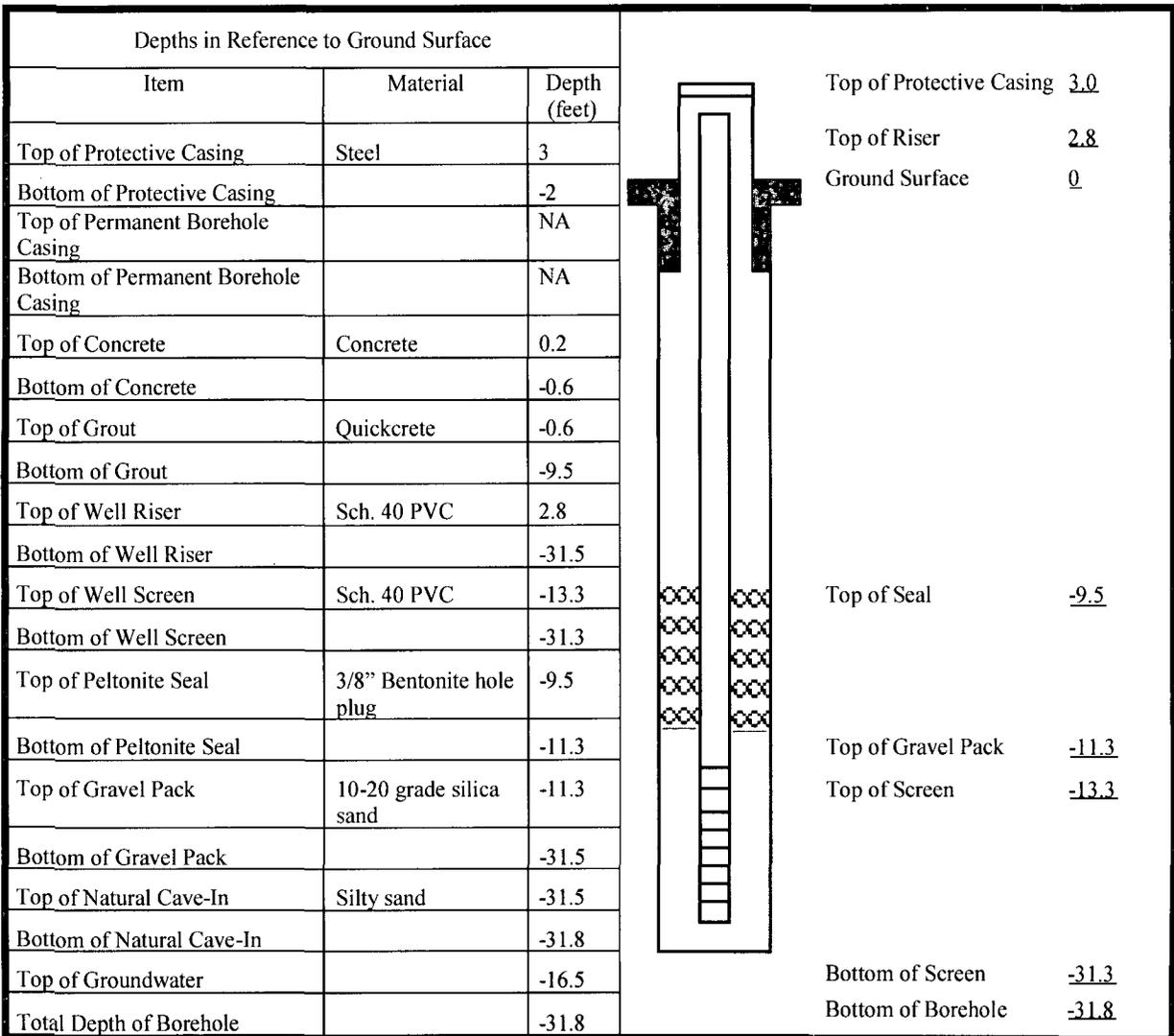
Borehole # 1
 Well # MW-8
 Page 1 of 1

Project Name XTO Ground Water
 Project Number _____ Cost Code _____
 Project Location OH Randel #7

Elevation 6325
 Well Location 36° 29.522' N, 107° 59.736' W
 GWL Depth 16.5'
 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 05/01/07, 0950
 Date/Time Completed 05/01/07, 1043



Comments: 50 lb bags of sand used: 5 ea., 50 lb bags of bentontie used: 1 ea., Grout: 1 bag bentonite, 1 bag quikcrete; 1.5 bag of quikcrete used

Geologist Signature Ashley L. Ager

Hall Environmental Analysis Laboratory, Inc.

Date: 13-Mar-07

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

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 3 / 8

Hall Environmental Analysis Laboratory, Inc.

Date: 13-Mar-07

CLIENT: XTO Energy
Project: Ground Water

Lab Order: 0703123

Lab ID: 0703123-10
Client Sample ID: OH Randel 7 MW-4

Collection Date: 3/8/2007 2:11:00 PM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	3/12/2007 9:30:05 PM
Toluene	ND	1.0		µg/L	1	3/12/2007 9:30:05 PM
Ethylbenzene	ND	1.0		µg/L	1	3/12/2007 9:30:05 PM
Xylenes, Total	ND	2.0		µg/L	1	3/12/2007 9:30:05 PM
Surr: 4-Bromofluorobenzene	85.5	70.2-105		%REC	1	3/12/2007 9:30:05 PM

Lab ID: 0703123-11
Client Sample ID: OH Randel 7 MW-5

Collection Date: 3/8/2007 2:42:00 PM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	3/12/2007 9:59:58 PM
Toluene	ND	1.0		µg/L	1	3/12/2007 9:59:58 PM
Ethylbenzene	ND	1.0		µg/L	1	3/12/2007 9:59:58 PM
Xylenes, Total	ND	2.0		µg/L	1	3/12/2007 9:59:58 PM
Surr: 4-Bromofluorobenzene	86.1	70.2-105		%REC	1	3/12/2007 9:59:58 PM

Lab ID: 0703123-12
Client Sample ID: Trip Blank

Collection Date:
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	3/12/2007 10:30:00 PM
Toluene	ND	1.0		µg/L	1	3/12/2007 10:30:00 PM
Ethylbenzene	ND	1.0		µg/L	1	3/12/2007 10:30:00 PM
Xylenes, Total	ND	2.0		µg/L	1	3/12/2007 10:30:00 PM
Surr: 4-Bromofluorobenzene	85.6	70.2-105		%REC	1	3/12/2007 10:30:00 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

Hall Environmental Analysis Laboratory, Inc.

Date: 29-May-07

CLIENT: XTO Energy
Project: Ground Water

Lab Order: 0705289

Lab ID: 0705289-01

Collection Date: 5/17/2007 9:11:00 AM

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	5/23/2007 8:04:23 PM
Toluene	ND	1.0		µg/L	1	5/23/2007 8:04:23 PM
Ethylbenzene	ND	1.0		µg/L	1	5/23/2007 8:04:23 PM
Xylenes, Total	ND	2.0		µg/L	1	5/23/2007 8:04:23 PM
Surr: 4-Bromofluorobenzene	86.4	70.2-105		%REC	1	5/23/2007 8:04:23 PM

Lab ID: 0705289-02

Collection Date: 5/17/2007 9:45:00 AM

Client Sample ID: OH Randel #7 MW-4

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	5/23/2007 8:34:28 PM
Toluene	ND	1.0		µg/L	1	5/23/2007 8:34:28 PM
Ethylbenzene	ND	1.0		µg/L	1	5/23/2007 8:34:28 PM
Xylenes, Total	ND	2.0		µg/L	1	5/23/2007 8:34:28 PM
Surr: 4-Bromofluorobenzene	85.8	70.2-105		%REC	1	5/23/2007 8:34:28 PM

Lab ID: 0705289-03

Collection Date: 5/17/2007 11:15:00 AM

Client Sample ID: OH Randel #7 MW-7

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	8500	500		µg/L	500	5/25/2007 11:33:11 AM
Toluene	17000	500		µg/L	500	5/25/2007 11:33:11 AM
Ethylbenzene	980	100		µg/L	100	5/24/2007 3:29:30 PM
Xylenes, Total	16000	200		µg/L	100	5/24/2007 3:29:30 PM
Surr: 4-Bromofluorobenzene	87.3	70.2-105		%REC	100	5/24/2007 3:29:30 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: 29-May-07

CLIENT: XTO Energy
Project: Ground Water

Lab Order: 0705289

Lab ID: 0705289-04

Collection Date: 5/17/2007 10:46:00 AM

Client Sample ID: OH Randel #7 MW-5

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	5/24/2007 4:29:40 PM
Toluene	ND	1.0		µg/L	1	5/24/2007 4:29:40 PM
Ethylbenzene	ND	1.0		µg/L	1	5/24/2007 4:29:40 PM
Xylenes, Total	ND	2.0		µg/L	1	5/24/2007 4:29:40 PM
Surr: 4-Bromofluorobenzene	87.1	70.2-105		%REC	1	5/24/2007 4:29:40 PM

Lab ID: 0705289-05

Collection Date: 5/17/2007 11:35:00 AM

Client Sample ID: OH Randel #7 MW-8

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	5/24/2007 4:59:40 PM
Toluene	1.9	1.0		µg/L	1	5/24/2007 4:59:40 PM
Ethylbenzene	ND	1.0		µg/L	1	5/24/2007 4:59:40 PM
Xylenes, Total	3.7	2.0		µg/L	1	5/24/2007 4:59:40 PM
Surr: 4-Bromofluorobenzene	86.6	70.2-105		%REC	1	5/24/2007 4:59:40 PM

Lab ID: 0705289-06

Collection Date: 5/17/2007 12:33:00 PM

Client Sample ID: ~~Garcia GCB #1 MW-2~~

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	5/24/2007 12:07:24 AM
Toluene	1.5	1.0		µg/L	1	5/24/2007 12:07:24 AM
Ethylbenzene	1.4	1.0		µg/L	1	5/24/2007 12:07:24 AM
Xylenes, Total	74	2.0		µg/L	1	5/24/2007 12:07:24 AM
Surr: 4-Bromofluorobenzene	91.4	70.2-105		%REC	1	5/24/2007 12:07:24 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 2 / 9

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: 0705289

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: SW8021

Sample ID: 0705289-02A MSD MSD Batch ID: R23705 Analysis Date: 5/23/2007 9:34:21 PM

Benzene	19.06	µg/L	1.0	95.3	85.9	113	0.794	27	
Toluene	19.13	µg/L	1.0	95.7	86.4	113	0.812	19	
Ethylbenzene	19.00	µg/L	1.0	95.0	83.5	118	0.462	10	
Xylenes, Total	56.16	µg/L	2.0	93.6	83.4	122	0.901	13	

Sample ID: 0705289-16A MSD MSD Batch ID: R23752 Analysis Date: 5/25/2007 10:32:54 AM

Benzene	20.43	µg/L	1.0	102	85.9	113	1.85	27	
Toluene	20.97	µg/L	1.0	105	86.4	113	1.52	19	
Ethylbenzene	20.81	µg/L	1.0	104	83.5	118	2.27	10	
Xylenes, Total	61.35	µg/L	2.0	102	83.4	122	1.79	13	

Sample ID: 5ML RB-II MBLK Batch ID: R23705 Analysis Date: 5/23/2007 10:03:56 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: R23736 Analysis Date: 5/24/2007 8:33:09 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: R23752 Analysis Date: 5/25/2007 8:32:19 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: R23705 Analysis Date: 5/23/2007 11:04:02 AM

Benzene	18.93	µg/L	1.0	94.6	85.9	113			
Toluene	19.74	µg/L	1.0	98.7	86.4	113			
Ethylbenzene	19.87	µg/L	1.0	99.3	83.5	118			
Xylenes, Total	60.16	µg/L	2.0	100	83.4	122			

Sample ID: 100NG BTEX LCS LCS Batch ID: R23736 Analysis Date: 5/24/2007 9:38:17 PM

Benzene	19.56	µg/L	1.0	97.8	85.9	113			
Toluene	19.93	µg/L	1.0	99.7	86.4	113			
Ethylbenzene	19.97	µg/L	1.0	99.9	83.5	118			
Xylenes, Total	59.82	µg/L	2.0	99.7	83.4	122			

Sample ID: 100NG BTEX LCS LCS Batch ID: R23752 Analysis Date: 5/25/2007 2:03:57 PM

Benzene	19.64	µg/L	1.0	98.2	85.9	113			
Toluene	20.09	µg/L	1.0	100	86.4	113			
Ethylbenzene	19.98	µg/L	1.0	99.9	83.5	118			
Xylenes, Total	59.73	µg/L	2.0	99.5	83.4	122			

Sample ID: 0705289-02A MS MS Batch ID: R23705 Analysis Date: 5/23/2007 9:04:25 PM

Benzene	19.21	µg/L	1.0	96.0	85.9	113			
Toluene	19.29	µg/L	1.0	96.4	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: 0705289

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: SW8021

Sample ID: 0705289-02A MS MS Batch ID: R23705 Analysis Date: 5/23/2007 9:04:25 PM

Ethylbenzene 19.09 µg/L 1.0 95.4 83.5 118

Xylenes, Total 56.66 µg/L 2.0 94.4 83.4 122

Sample ID: 0705289-16A MS MS Batch ID: R23752 Analysis Date: 5/25/2007 10:02:41 AM

Benzene 20.05 µg/L 1.0 100 85.9 113

Toluene 20.66 µg/L 1.0 103 86.4 113

Ethylbenzene 20.34 µg/L 1.0 102 83.5 118

Xylenes, Total 60.26 µg/L 2.0 99.8 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: 20-Aug-07

CLIENT: XTO Energy Lab Order: 0708171
 Project: Groundwater

Lab ID: 0708171-01 Collection Date: 8/9/2007 2:35:00 PM
 Client Sample ID: OH Randel #7 MW-4 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: SMP
Benzene	ND	1.0		µg/L	1	8/17/2007 2:15:31 PM
Toluene	ND	1.0		µg/L	1	8/17/2007 2:15:31 PM
Ethylbenzene	ND	1.0		µg/L	1	8/17/2007 2:15:31 PM
Xylenes, Total	ND	2.0		µg/L	1	8/17/2007 2:15:31 PM
Surr: 4-Bromofluorobenzene	80.7	70.2-105		%REC	1	8/17/2007 2:15:31 PM

Lab ID: 0708171-02 Collection Date: 8/9/2007 3:11:00 PM
 Client Sample ID: OH Randel #7 MW-3 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: SMP
Benzene	ND	1.0		µg/L	1	8/17/2007 3:45:35 PM
Toluene	ND	1.0		µg/L	1	8/17/2007 3:45:35 PM
Ethylbenzene	ND	1.0		µg/L	1	8/17/2007 3:45:35 PM
Xylenes, Total	ND	2.0		µg/L	1	8/17/2007 3:45:35 PM
Surr: 4-Bromofluorobenzene	82.0	70.2-105		%REC	1	8/17/2007 3:45:35 PM

Lab ID: 0708171-03 Collection Date: 8/9/2007 3:39:00 PM
 Client Sample ID: OH Randel #7 MW-7 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: SMP
Benzene	9800	500		µg/L	500	8/17/2007 4:15:37 PM
Toluene	11000	500		µg/L	500	8/17/2007 4:15:37 PM
Ethylbenzene	770	100		µg/L	100	8/17/2007 4:45:35 PM
Xylenes, Total	12000	200		µg/L	100	8/17/2007 4:45:35 PM
Surr: 4-Bromofluorobenzene	92.6	70.2-105		%REC	100	8/17/2007 4:45:35 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: 20-Aug-07

CLIENT: XTO Energy Lab Order: 0708171
 Project: Groundwater

Lab ID: 0708171-04 Collection Date: 8/9/2007 4:11:00 PM
 Client Sample ID: OH Randel #7 MW-8 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: SMP
Benzene	ND	1.0		µg/L	1	8/17/2007 5:45:31 PM
Toluene	ND	1.0		µg/L	1	8/17/2007 5:45:31 PM
Ethylbenzene	ND	1.0		µg/L	1	8/17/2007 5:45:31 PM
Xylenes, Total	ND	2.0		µg/L	1	8/17/2007 5:45:31 PM
Surr: 4-Bromofluorobenzene	83.1	70.2-105		%REC	1	8/17/2007 5:45:31 PM

Lab ID: 0708171-05 Collection Date: 8/9/2007 4:40:00 PM
 Client Sample ID: ~~Garcia GC B#1 MW-2~~ Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: SMP
Benzene	5.7	1.0		µg/L	1	8/17/2007 6:15:25 PM
Toluene	6.2	1.0		µg/L	1	8/17/2007 6:15:25 PM
Ethylbenzene	ND	1.0		µg/L	1	8/17/2007 6:15:25 PM
Xylenes, Total	6.5	2.0		µg/L	1	8/17/2007 6:15:25 PM
Surr: 4-Bromofluorobenzene	83.4	70.2-105		%REC	1	8/17/2007 6:15:25 PM

Lab ID: 0708171-06 Collection Date:
 Client Sample ID: Trip Blank Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: SMP
Benzene	ND	1.0		µg/L	1	8/17/2007 6:45:18 PM
Toluene	ND	1.0		µg/L	1	8/17/2007 6:45:18 PM
Ethylbenzene	ND	1.0		µg/L	1	8/17/2007 6:45:18 PM
Xylenes, Total	ND	2.0		µg/L	1	8/17/2007 6:45:18 PM
Surr: 4-Bromofluorobenzene	79.2	70.2-105		%REC	1	8/17/2007 6:45:18 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: Groundwater

Work Order: 0708171

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: SW8021

Sample ID: 0708171-01A MSD MSD Batch ID: R24814 Analysis Date: 8/17/2007 3:15:30 PM

Benzene	19.21	µg/L	1.0	95.6	85.9	113	0.943	27	
Toluene	18.74	µg/L	1.0	92.8	86.4	113	1.65	19	
Ethylbenzene	19.19	µg/L	1.0	95.4	83.5	118	0.125	10	
Xylenes, Total	56.88	µg/L	2.0	94.1	83.4	122	0.962	13	

Sample ID: 5ML RB MBLK Batch ID: R24814 Analysis Date: 8/17/2007 10:13:04 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: R24814 Analysis Date: 8/17/2007 10:15:30 PM

Benzene	19.61	µg/L	1.0	98.1	85.9	113			
Toluene	19.49	µg/L	1.0	97.5	86.4	113			
Ethylbenzene	19.55	µg/L	1.0	97.8	83.5	118			
Xylenes, Total	57.96	µg/L	2.0	96.6	83.4	122			

Sample ID: 0708171-01A MS MS Batch ID: R24814 Analysis Date: 8/17/2007 2:45:30 PM

Benzene	19.39	µg/L	1.0	96.5	85.9	113			
Toluene	19.05	µg/L	1.0	94.3	86.4	113			
Ethylbenzene	19.16	µg/L	1.0	95.2	83.5	118			
Xylenes, Total	57.43	µg/L	2.0	95.0	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: 06-Dec-07

CLIENT: XTO Energy
Project: Ground Water

Lab Order: 0711456

Lab ID: 0711456-01
Client Sample ID: Garcia GC-BMW-2

Collection Date: 11/27/2007 11:54:00 AM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: NSB
EPA METHOD 8021B: VOLATILES						
Benzene	ND	1.0		µg/L	1	12/4/2007 12:05:21 PM
Toluene	ND	1.0		µg/L	1	12/4/2007 12:05:21 PM
Ethylbenzene	3.5	1.0		µg/L	1	12/4/2007 12:05:21 PM
Xylenes, Total	33	2.0		µg/L	1	12/4/2007 12:05:21 PM
Surr: 4-Bromofluorobenzene	100	70.2-105		%REC	1	12/4/2007 12:05:21 PM

Lab ID: 0711456-02
Client Sample ID: OH Randel #7 MW-3

Collection Date: 11/27/2007 12:25:00 PM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: NSB
EPA METHOD 8021B: VOLATILES						
Benzene	ND	1.0		µg/L	1	12/4/2007 12:35:27 PM
Toluene	ND	1.0		µg/L	1	12/4/2007 12:35:27 PM
Ethylbenzene	ND	1.0		µg/L	1	12/4/2007 12:35:27 PM
Xylenes, Total	ND	2.0		µg/L	1	12/4/2007 12:35:27 PM
Surr: 4-Bromofluorobenzene	85.1	70.2-105		%REC	1	12/4/2007 12:35:27 PM

Lab ID: 0711456-03
Client Sample ID: OH Randel #7 MW-4

Collection Date: 11/27/2007 12:53:00 PM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: NSB
EPA METHOD 8021B: VOLATILES						
Benzene	ND	1.0		µg/L	1	12/4/2007 1:05:29 PM
Toluene	ND	1.0		µg/L	1	12/4/2007 1:05:29 PM
Ethylbenzene	ND	1.0		µg/L	1	12/4/2007 1:05:29 PM
Xylenes, Total	ND	2.0		µg/L	1	12/4/2007 1:05:29 PM
Surr: 4-Bromofluorobenzene	83.6	70.2-105		%REC	1	12/4/2007 1:05:29 PM

Lab ID: 0711456-04
Client Sample ID: OH Randel #7 MW-7

Collection Date: 11/27/2007 1:28:00 PM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: NSB
EPA METHOD 8021B: VOLATILES						
Benzene	12000	500		µg/L	500	12/4/2007 1:35:44 PM
Toluene	9000	100		µg/L	100	12/4/2007 2:05:54 PM
Ethylbenzene	940	100		µg/L	100	12/4/2007 2:05:54 PM
Xylenes, Total	13000	200		µg/L	100	12/4/2007 2:05:54 PM
Surr: 4-Bromofluorobenzene	97.7	70.2-105		%REC	100	12/4/2007 2:05:54 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-Dec-07

CLIENT: XTO Energy
Project: Ground Water

Lab Order: 0711456

Lab ID: 0711456-05
Client Sample ID: OH Randel #7 MW-5

Collection Date: 11/27/2007 1:49:00 PM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	3.0	1.0		µg/L	1	12/4/2007 3:27:55 PM
Toluene	1.0	1.0		µg/L	1	12/4/2007 3:27:55 PM
Ethylbenzene	ND	1.0		µg/L	1	12/4/2007 3:27:55 PM
Xylenes, Total	ND	2.0		µg/L	1	12/4/2007 3:27:55 PM
Surr: 4-Bromofluorobenzene	85.2	70.2-105		%REC	1	12/4/2007 3:27:55 PM

Lab ID: 0711456-06
Client Sample ID: OH Randel #7 MW-8

Collection Date: 11/27/2007 2:03:00 PM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	21	1.0		µg/L	1	12/4/2007 3:58:08 PM
Toluene	ND	1.0		µg/L	1	12/4/2007 3:58:08 PM
Ethylbenzene	ND	1.0		µg/L	1	12/4/2007 3:58:08 PM
Xylenes, Total	ND	2.0		µg/L	1	12/4/2007 3:58:08 PM
Surr: 4-Bromofluorobenzene	87.4	70.2-105		%REC	1	12/4/2007 3:58:08 PM

Lab ID: 0711456-07
Client Sample ID: ~~RPC 17-3 MW-1~~

Collection Date: 11/27/2007 3:42:00 PM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	2.8	1.0		µg/L	1	12/5/2007 11:02:52 AM
Toluene	ND	1.0		µg/L	1	12/5/2007 11:02:52 AM
Ethylbenzene	6.4	1.0		µg/L	1	12/5/2007 11:02:52 AM
Xylenes, Total	9.6	2.0		µg/L	1	12/5/2007 11:02:52 AM
Surr: 4-Bromofluorobenzene	108	70.2-105	S	%REC	1	12/5/2007 11:02:52 AM

Lab ID: 0711456-08
Client Sample ID: TRIP BLANK

Collection Date:
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	12/4/2007 7:31:14 PM
Toluene	ND	1.0		µg/L	1	12/4/2007 7:31:14 PM
Ethylbenzene	ND	1.0		µg/L	1	12/4/2007 7:31:14 PM
Xylenes, Total	ND	2.0		µg/L	1	12/4/2007 7:31:14 PM
Surr: 4-Bromofluorobenzene	80.2	70.2-105		%REC	1	12/4/2007 7:31:14 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: 0711456

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles									
Sample ID: 0711456-05A MSD		<i>MSD</i>			Batch ID: R26348		Analysis Date: 12/4/2007 6:00:52 PM		
Benzene	23.48	µg/L	1.0	102	85.9	113	0.358	27	
Toluene	21.37	µg/L	1.0	102	86.4	113	0.610	19	
Ethylbenzene	20.56	µg/L	1.0	103	83.5	118	0.273	10	
Xylenes, Total	63.13	µg/L	2.0	102	83.4	122	0.505	13	
Sample ID: 5ML RB		<i>MBLK</i>			Batch ID: R26348		Analysis Date: 12/4/2007 8:34:08 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		<i>MBLK</i>			Batch ID: R26381		Analysis Date: 12/5/2007 8:29:31 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: 100UL BTEX LCS		<i>LCS</i>			Batch ID: R26348		Analysis Date: 12/4/2007 6:31:06 PM		
Benzene	18.58	µg/L	1.0	92.9	85.9	113			
Toluene	18.15	µg/L	1.0	90.2	86.4	113			
Ethylbenzene	18.46	µg/L	1.0	92.3	83.5	118			
Xylenes, Total	54.76	µg/L	2.0	91.3	83.4	122			
Sample ID: 100NG BTEX LCS		<i>LCS</i>			Batch ID: R26381		Analysis Date: 12/5/2007 11:44:35 PM		
Benzene	19.64	µg/L	1.0	98.2	85.9	113			
Toluene	19.43	µg/L	1.0	96.6	86.4	113			
Ethylbenzene	19.64	µg/L	1.0	98.2	83.5	118			
Xylenes, Total	59.27	µg/L	2.0	98.8	83.4	122			
Sample ID: 100NG BTEX LCSD		<i>LCSD</i>			Batch ID: R26381		Analysis Date: 12/6/2007 12:14:45 AM		
Benzene	20.41	µg/L	1.0	102	85.9	113	3.85	27	
Toluene	20.15	µg/L	1.0	100	86.4	113	3.66	19	
Ethylbenzene	20.53	µg/L	1.0	103	83.5	118	4.42	10	
Xylenes, Total	61.86	µg/L	2.0	103	83.4	122	4.28	13	
Sample ID: 0711456-06A MS		<i>MS</i>			Batch ID: R26348		Analysis Date: 12/4/2007 5:30:50 PM		
Benzene	23.40	µg/L	1.0	102	85.9	113			
Toluene	21.24	µg/L	1.0	101	86.4	113			
Ethylbenzene	20.51	µg/L	1.0	103	83.5	118			
Xylenes, Total	62.81	µg/L	2.0	101	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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes No

Type of action: Registration of a pit or below-grade tank Closure of a pit or below-grade tank

Operator: XTO ENERGY INC. Telephone: (505)-324-1090 e-mail address: _____
Address: 2700 FARMINGTON AVE., BLDG. K, SUITE 1, FARMINGTON, NM 87401
Facility or well name: O. H. RANDEL #7 API #: 30-045-24749 U/L or Qtr/Qtr D Sec 15 T 26N R 11W
County: SAN JUAN Latitude 36.49193 Longitude 107.99632 NAD: 1927 1983 Surface Owner Federal State Private Indian

<p>Pit Type: Drilling <input type="checkbox"/> Production <input checked="" type="checkbox"/> Disposal <input type="checkbox"/> <u>SEPARATOR</u> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input checked="" type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl</p>	<p>Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: <u>N/A</u> Double-walled, with leak detection? Yes <input type="checkbox"/> If <u>no</u>, explain why not.</p>
---	---

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet	(20 points)	20
	50 feet or more, but less than 100 feet	(10 points)	
	100 feet or more	(0 points)	
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)	0
	No	(0 points)	
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet	(20 points)	0
	200 feet or more, but less than 1000 feet	(10 points)	
	1000 feet or more	(0 points)	
Ranking Score (Total Points)			20

If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite offsite If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No Yes If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: PIT LOCATED APPROXIMATELY 239 FT. S75E FROM WELL HEAD.
PIT EXCAVATION: WIDTH N/A ft., LENGTH N/A ft., DEPTH N/A ft.
PIT REMEDIATION: CLOSE AS IS: LANDFARM: COMPOST: STOCKPILE: OTHER (explain)
Cubic yards: N/A

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines , a general permit , or an alternative OCD-approved plan .

Date: 11/18/05
Printed Name/Title: Jeff Blagg - P.E. # 11607 Signature: _____

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:
Printed Name/Title _____ Signature _____ Date: _____

CLIENT: <u>XTO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: _____ C.O.C. NO: <u>7796</u>
--------------------	--	--

FIELD REPORT: PIT CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
--	-------------------------------

LOCATION: NAME: <u>O.H. RANDEL</u> WELL #: <u>7</u> TYPE: <u>ABRN. SEP.</u>	DATE STARTED: <u>3/12/02</u>
QUAD/UNIT: <u>D SEC: 15 TWP: 26N RNG: 11W PM: NM CNTY: SJ ST: NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>1150' N 1150' W NW/4SW</u> CONTRACTOR: _____	ENVIRONMENTAL SPECIALIST: <u>MV</u>

EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: NA

DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: _____

LAND USE: RANGE - BLML LEASE: _____ FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 239 FT. S75E FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMDCD RANKING SCORE: 0 NMDCD TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____

SOIL COLOR: MED. GRAY

COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE

CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSE

PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED

DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - SET. 4-6' BELOW GRADE

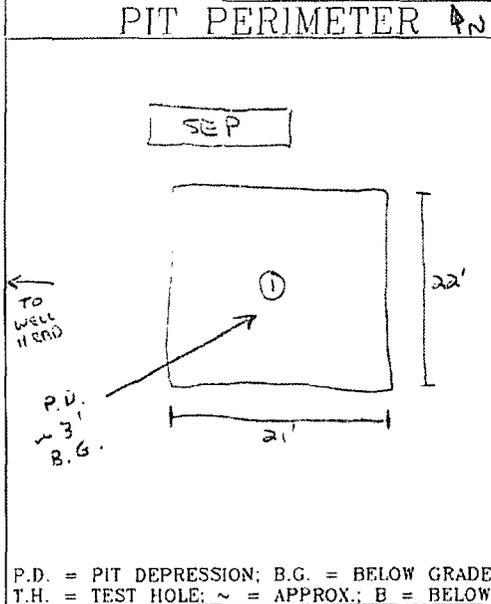
HC ODOR DETECTED: YES / NO EXPLANATION - MED. GRAY SAND (STRONG)

SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. -

ADDITIONAL COMMENTS: CONDUCTED SAMPLING WITH HAND SHOVEL.

DVM CALIB. READ: <u>52.7</u> ppm
DVM CALIB. GAS = <u>100</u> ppm RF = <u>0.52</u>
TIME: <u>11:48</u> am DATE: <u>3/12/02</u>

SCALE	FIELD 418.1 CALCULATIONS							
	SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0 FT								

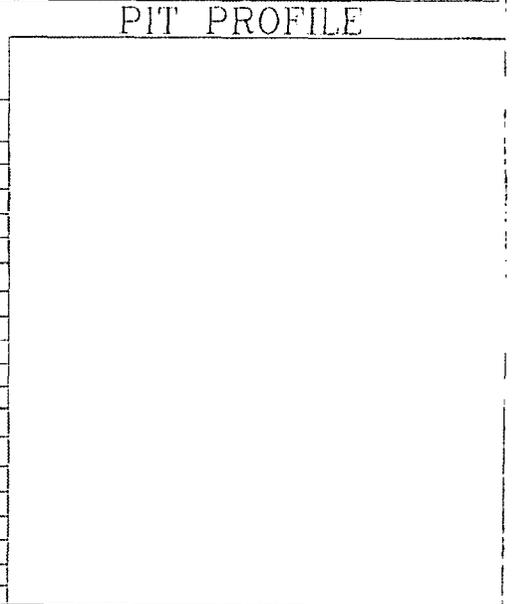


OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PHD (ppm)
1 @ 6'	1,015
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1 @ 6'	TPH (80158)	1130
"	BTEX (8218)	"



TRAVEL NOTES: CALLOUT: 3/12/02 - MORN. ONSITE: 3/12/02 - MORN.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

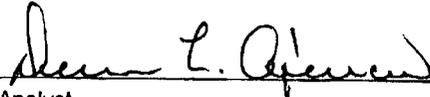
Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	1 @ 6'	Date Reported:	03-14-02
Laboratory Number:	22253	Date Sampled:	03-12-02
Chain of Custody No:	9796	Date Received:	03-12-02
Sample Matrix:	Soil	Date Extracted:	03-14-02
Preservative:	Cool	Date Analyzed:	03-14-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

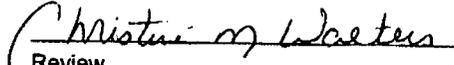
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1,750	0.2
Diesel Range (C10 - C28)	15.5	0.1
Total Petroleum Hydrocarbons	1,770	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **O.H. Randel #7 Abandoned Separator Pit Grab Sample.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	1 @ 6'	Date Reported:	03-14-02
Laboratory Number:	22253	Date Sampled:	03-12-02
Chain of Custody:	9796	Date Received:	03-12-02
Sample Matrix:	Soil	Date Analyzed:	03-14-02
Preservative:	Cool	Date Extracted:	03-14-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	3,000	1.8
Toluene	1,180	1.7
Ethylbenzene	835	1.5
p,m-Xylene	1,550	2.2
o-Xylene	1,220	1.0
Total BTEX	7,790	

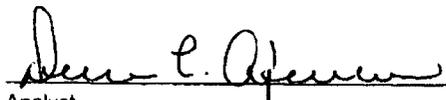
ND - Parameter not detected at the stated detection limit.

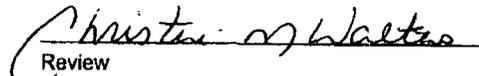
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	95 %
	1,4-difluorobenzene	95 %
	Bromochlorobenzene	95 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: O.H. Randel #7 Abandoned Separator Pit Grab Sample.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	03-14-TPH QA/QC	Date Reported:	03-14-02
Laboratory Number:	22234	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-14-02
Condition:	N/A	Analysis Requested:	TPH

	Lab Date	Lab Ref	C Lab Ref	% Difference	Accept Range
Gasoline Range C5 - C10	01-07-02	2.5028E-002	2.5003E-002	0.10%	0 - 15%
Diesel Range C10 - C28	01-07-02	1.2696E-002	1.2671E-002	0.20%	0 - 15%

Blank Conc. (mg/l - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

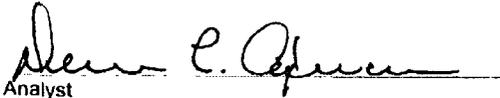
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

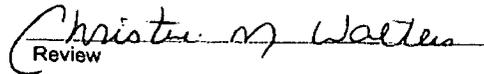
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100.0%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for samples 22234 -22239, 22253 and 22272.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	03-14-BTEX QA/QC	Date Reported:	03-14-02
Laboratory Number:	22234	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-14-02
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	% Diff	Blank Conc	Detect Limit
		Accept Range	± 15%		
Benzene	6.9839E-002	7.0049E-002	0.3%	ND	0.2
Toluene	5.0724E-002	5.0825E-002	0.2%	ND	0.2
Ethylbenzene	8.2086E-002	8.2333E-002	0.3%	ND	0.2
p,m-Xylene	7.1064E-002	7.1278E-002	0.3%	ND	0.2
o-Xylene	6.2661E-002	6.2787E-002	0.2%	ND	0.1

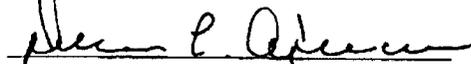
Duplicate Conc (ug/Kg)	Sample	Duplicate	% Diff	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	ND	ND	0.0%	0 - 30%	1.7
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.5
p,m-Xylene	ND	ND	0.0%	0 - 30%	2.2
o-Xylene	ND	ND	0.0%	0 - 30%	1.0

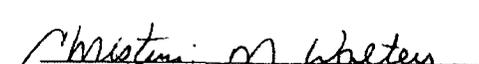
Spike Conc (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.8	99.6%	39 - 150
Toluene	ND	50.0	49.8	99.6%	46 - 148
Ethylbenzene	ND	50.0	49.8	99.6%	32 - 160
p,m-Xylene	ND	100	99.5	99.5%	46 - 148
o-Xylene	ND	50.0	49.8	99.6%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for sample 22234 - 22239, 22253 and 22272.


Analyst


Review

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

April 17, 2002

Mr. Roger Anderson
Chief of Environmental Bureau
State of New Mexico Oil Conservation Division (NMOCD)
1220 St. Francis Drive
Santa Fe, New Mexico 87505

**RE: Groundwater Impact
XTO Energy, Inc.**

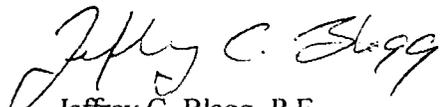
**O.H. Randel # 7 Well site
Legal Description: Unit D, Sec. 15, T26N, R11W
San Juan County, New Mexico**

Dear Mr. Anderson:

Physical observation of groundwater after monitor well construction was completed on March 22, 2002 at the above referenced well site indicates approximately 0.32 ft. or 3.84 inches of free phase product. The monitor well is located within an abandoned separator pit area. XTO Energy will adhere to its NMOCD approved groundwater management plan during further assessment of the apparent hydrocarbon contamination encountered. Depth to free phase product in the monitor well was approximately 16.36 ft. below the ground surface.

If you have any questions concerning this information, please do not hesitate to contact Nelson Velez or myself at (505) 632-1199. Thank you for your cooperation.

Respectfully submitted,
Blagg Engineering, Inc.


Jeffrey C. Blagg, P.E.
President

cc: Denny Foust, Environmental Geologist, NMOCD, Aztec, NM
Terry Matthews, Production Superintendent, XTO Energy, Inc., Farmington, NM
Nina Hutton, Environmental & Safety Manager, XTO Energy, Inc., Ft. Worth, TX

NJV/njv

RANDEL-7.LTR



Lodestar Services, Inc.

P.O. Box 3861, Farmington, NM 87499-3861, 505-334-2791

August 15, 2006

Mr. Steve Austin
Navajo Nation EPA
PO Box 1999
Shiprock, NM 87420

CERTIFIED MAIL: 7004 1160 0007 4952 1517

RE: OH Randel #7

Dear Mr. Austin,

XTO Energy Inc. (XTO) has contracted Lodestar Services, Incorporated (Lodestar) to oversee groundwater monitoring and remedial activities at the OH Randel #7 natural gas production well. It has come to our attention that the well is located on land regulated by the Navajo Nation Environmental Protection Agency (NNEPA). Previous regulatory correspondence has been with the New Mexico Oil Conservation Division (NMOCD). An annual comprehensive report was submitted to the NMOCD in January 2006 and is included for your review.

The OH Randel #7 is located in Unit D of Section 16 of Township 26N, Range 11W, and includes a former oil-water-separator pit that may have affected shallow groundwater. Six groundwater monitoring wells were previously installed on the site to investigate groundwater quality. One of the wells, MW-6, contains free-phase hydrocarbons. Previously MW-1 and MW-2 contained free-phase hydrocarbons. MW-1 is located in the center of the former pit. MW-2 is directly adjacent to the pit, and MW-6 is located down gradient of the pit. The annual report included herein has several groundwater contour maps provided by Blagg Engineering that indicate varying groundwater flow directions. Navajo Agricultural Products Incorporated (NAPI) conducts irrigation adjacent to the site and may influence groundwater flow direction.

The following steps are proposed remove impacted soil and free-phase hydrocarbons:

1. Excavate affected soil associated with historical operations from the former pit. Impacted soil will be disposed at a local land farm permitted by the NMOCD. Soil headspace gas will be monitored with a photo-ionization detector (PID) to determine extent of impacted soil during excavation according to the NMOCD Guidelines for headspace analysis. Soil above 10 milligrams per kilogram (mg/kg) benzene, 50 mg/kg total benzene, toluene, ethylbenzene, and xylenes (BTEX), and 100 mg/kg total petroleum hydrocarbons will be removed. Laboratory analyses of composite samples collected from the sidewalls of the excavation will be used to document that impacted soil has been removed.
2. Erect temporary fencing around the excavated site and remove impacted water and free-phase hydrocarbons from the pit.

Mr. Steve Austin
August 15, 2006
Page 2 of 2

3. Once the free-phase hydrocarbons have been removed, backfill the excavation site with clean soil.
4. Replace groundwater-monitoring wells as necessary.
5. Install additional down gradient monitoring wells as necessary to characterize impacted groundwater.
6. Remove free phase hydrocarbons from groundwater, then sample groundwater-monitoring wells for benzene, toluene, ethylbenzene and total xylenes (BTEX) on a quarterly basis to monitor progress at the site.

Following completion of the above tasks, XTO will provide a letter report describing onsite activities and analytical results. XTO wishes to complete this work as soon as practical and will contact you to schedule activities. Should you have any questions or require additional information, please do not hesitate to contact Lisa Winn of XTO at (505) 324-1090 or you can call me at (505) 334 2791.

Sincerely,
LODESTAR SERVICES, INC



Martin Nee

Cc: Lisa Winn, XTO, w/o enclosures
Kim Champlin, XTO, w/o enclosures
Ashley Ager, LSI, w/o enclosures
Glenn Von Gonten, NMOCD
File

Attachments: Annual Report

cc Mr Jim Walsh USEPA



Lodestar Services, Inc.

P.O. Box 3861, Farmington, NM 87499-3861, 505-334-2791

 **Lodestar Services, Incorporated**

PO Box 3861 Farmington, NM 87499-3861 Office (505) 334-2791

January 29, 2007

Mr. William Freeman
Navajo Nation Environmental Protection Agency
PO Box 1999
Shiprock, NM 87420

RE: Report of Excavation and Sampling at OH Randel #7

Dear Mr. Freeman:

XTO Energy Inc. (XTO) operates the OH Randel #7 natural gas production well located in Unit D of Section 16 of Township 26N, Range 11W, San Juan County, New Mexico. A former oil-water-separator pit may have impacted soil and shallow groundwater at the site. On August 15, 2006, XTO submitted a work plan to the Navajo Nation Environmental Protection Agency (NNEPA) describing planned remedial activities to investigate and remove impacted soil. XTO contracted Lodestar Services, Incorporated (Lodestar) to direct excavation activities according to the August 15 work plan. Core Oilfield Services completed the excavation, backfilling, and transportation of impacted soil to Envirotech Inc.'s land farm. Clean backfill was purchased from Moss Excavation's gravel pit located on highway 550 in Bloomfield, NM.

On November 13-27, 2006, a geologist from Lodestar was present during excavation of impacted soil at the OH Randel #7. During excavation, field screening according to the New Mexico Oil Conservation Division's (NMOCD) guidelines for headspace analysis was conducted to determine extent of impacted soil by collecting samples from the sidewalls and floor of the excavated pit. Following headspace screening and excavation, composite samples from the sidewalls and floor of the excavation were collected for laboratory analysis. Samples were collected where field screening indicated the highest concentrations of hydrocarbons. Compositing included placing four aliquots of soil from a given wall or floor into a one-gallon plastic bag. The soil within the bag was thoroughly mixed before filling a four-ounce glass jar. The sample was immediately placed on ice, and maintained under strict chain-of-custody until delivered to Envirotech Laboratories in Farmington, NM. Envirotech Laboratories analyzed the samples for benzene, toluene, ethylbenzene, and xylenes (BTEX) and total petroleum hydrocarbons (TPH) by United States Environmental Protection Agency (USEPA) methods 8021 and 8015, respectively. The results of sample analyses are as follows:

	GRO (ppm)	DRO (ppm)	TPH (ppm)	Benzene (ppb)	Toluene (ppb)	Ethyl benzene (ppb)	P&M Xylenes (ppb)	O Xylenes (ppb)	Total BTEX (ppb)
NMOCD Standard			100	10,000					50,000
North Excavation North Wall	2.6	3.6	6.2	2.2	20.3	39.1	374	64.8	500
North Excavation East Wall	1080	266	1350	518	3230	3290	9590	3610	20240

Mr. William Freeman
 January 29, 2007
 Page 2 of 2

	GRO (ppm)	DRO (ppm)	TPH (ppm)	Benzene (ppb)	Toluene (ppb)	Ethyl benzene (ppb)	P&M Xylenes (ppb)	O Xylenes (ppb)	Total BTEX (ppb)
NMOCD Standard			100	10,000					50,000
North Excavation West Wall	8.0	ND	8.0	2.0	746	889	2170	979	4790
North Excavation Floor	3.6	ND	3.6	10.5	65.9	119	619	202	1020
South Excavation East Wall	5.2	15.0	20.2	7.4	50.7	16.7	78.6	37.0	190
South Excavation West Wall	0.5	0.4	0.9	3.3	9.1	19.6	84.7	28.4	145
South Excavation Floor	ND	ND	ND	ND	4.4	7.7	24.5	5.3	41.9
South Excavation South Wall	ND	ND	ND	ND	1.9	7.9	24.8	8.7	43.3

GRO: Gasoline Range Organics; DRO: Diesel Range Organics;
 ND: Not Detected in sample; ppm: parts per million; ppb: parts per billion

Approximately six thousand eight hundred and eighty two cubic yards of soil were removed for treatment to the land farm. Lodestar and XTO met with the USEPA and the NNEPA on November 27, 2006 at the job site and received permission to backfill the excavation based on the above results.

Six groundwater monitoring wells were previously installed on the site to investigate groundwater quality. Three of the wells, MW-1, MW-2, and MW-6 were removed during excavation activities.

Laboratory reports and Bill-of-Lading copies are attached. Please contact Lisa Winn of XTO at (505) 324-1090 with any questions that may arise.

Sincerely,
 Lodestar Services, Inc.

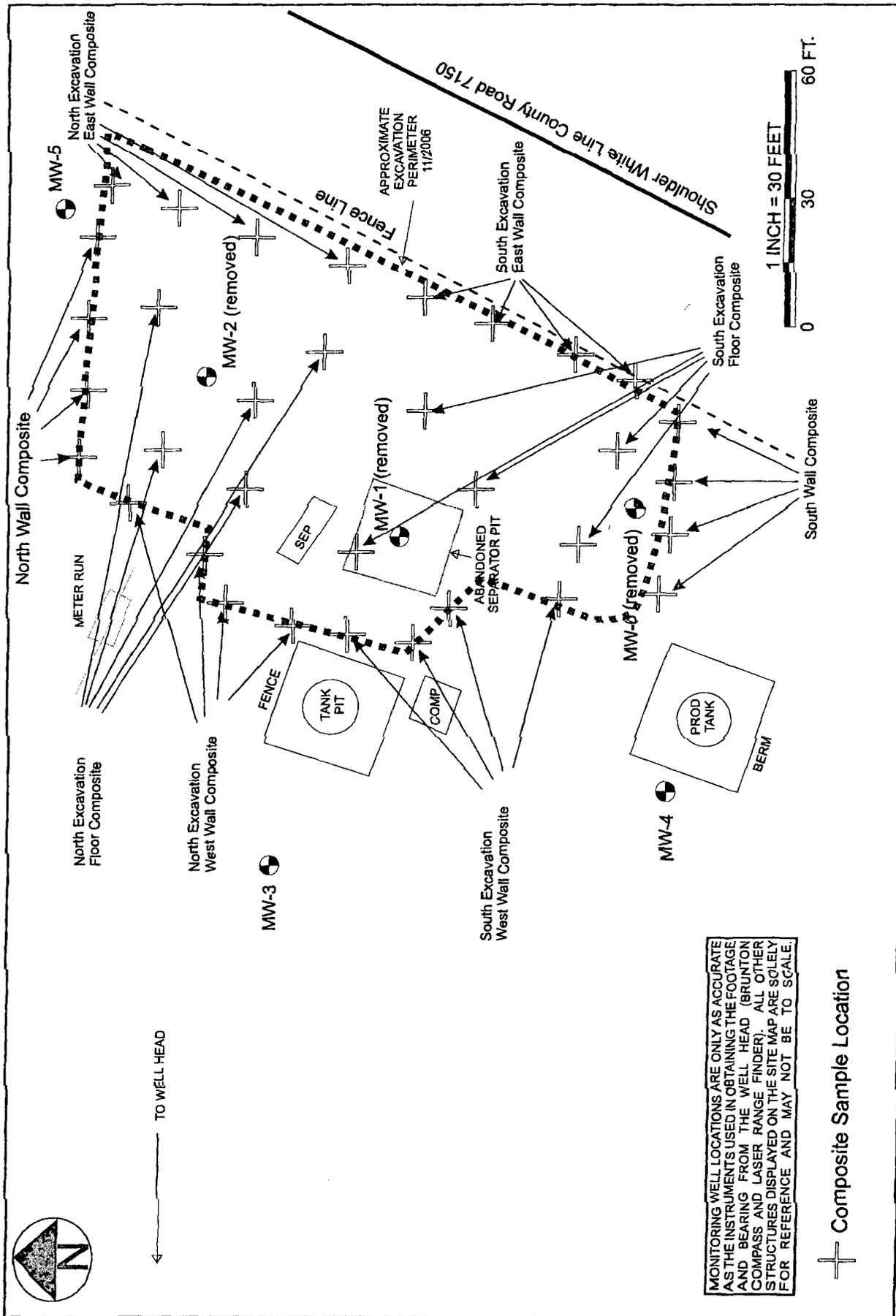


Martin Nee

Cc: Jim Walker, USEPA
 Lisa Winn, XTO Energy
 Kim Champlin, XTO Energy
 Ashley Ager, Lodestar Services



Lodestar Services, Incorporated PO Box 3861 Farmington, NM 87499 (505) 334-2791



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.

⊕ Composite Sample Location

<p>Lodestar Services, Inc PO Box 3861 Farmington, NM 87499</p>	<p>OH RANDEL #7 NW/4 NW/4 SEC. 15, T26N, R11W SAN JUAN COUNTY, NEW MEXICO</p>	<p>PROJECT: XTO Excavation DRAWN BY: MJJN REVISED: 01/29/07</p>	<p>Composite Sample Location Map 1/29/2007</p>
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