

3R-386



Annual Groundwater Remediation
Reports

Volume 1

January 2007



RECEIVED

MAR 05 2007

March 2, 2007

Oil Conservation Division
Environmental Bureau

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:

- | | | | |
|------------------------|--------|--------------------------|--------|
| • Baca Gas Com A #1A | 3R0104 | • Masden Gas Com #1E | 3R0120 |
| • Bruington Gas Com #1 | 3R0106 | • McDaniel Gas Com B #1E | 3R0121 |
| • Carson Gas Com #1E | 3R415 | • OH Randel #7 | 3R0386 |
| • EJ Johnson C #1E | 3R0385 | • PO Pipken #3E | 3R409 |
| • Federal Gas Com #H1 | 3R0110 | • Romero Gas Com A #1 | 3R0123 |
| • Frost, Jack B #2 | 3R416 | • Rowland Gas Com #1 | 3R124 |
| • Garcia Gas Com B #1 | 3R0111 | • Snyder Gas Com #1A | 3R0126 |
| • Haney Gas Com B #1E | 3R0113 | • Stedje Gas Com #1 | 3R0128 |
| • Hare Gas Com B #1 | 3R413 | • Sullivan Frame A #1A | 3R0131 |
| • Hare Gas Com B #1E | 3R0384 | • Sullivan Gas Com D #1 | 3R0134 |
| • Hare Gas Com I #1 | 3R412 | • Valdez A #1E | |

We have also enclosed an Annual Report for one site that meets the closure requirements outlined in the GMP. XTO respectfully requests closure of:

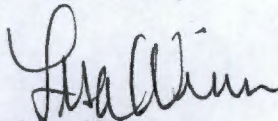
- Abrams J #1 3R0100

In previously submitted reports three sites met the closure requirements outlined in the GMP and XTO requested closure on those sites in January 2006. Per your request reports for the below listed sites are being submitted again.

- Armenta Gas Com #1E 320394
- Bergin Gas Com #1E 320105
- State Gas Com BS #1 320127

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) 566-7942.

Respectfully,



Lisa Winn
Environmental Coordinator
San Juan Division

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

OH RANDEL #7

XTO ENERGY INC.

ANNUAL GROUNDWATER REPORT

2006

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 2007

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Attachment 2:	NNEPA Correspondence
Attachment 3:	Report of Excavation and Sampling
Attachment 4:	Pit Closure Documentation & NMOCD Correspondence Letter

2006 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

Quarterly Sampling Initiated: Apr-02

Monitor Wells: Mar/Apr-02

Excavation: Dec-06 (9,000cy)

SITE MAP

A site map is presented as Figure 1.

SUMMARY TABLES

Historical and current groundwater laboratory results are summarized in Table 1. Copies of the laboratory data sheets and associated quality assurance/quality control data for 2006 are presented as Attachment 1.

POTENTIOMETRIC SURFACE DIAGRAMS

Field data collected for site monitoring activities indicates the groundwater surface is relatively flat trending primarily towards the southwest. Figure 2 illustrates the estimated groundwater gradients for December 2006. 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.

2006 ACTIVITIES

Annual Groundwater Remediation Report- The 2005 annual 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). A work plan (Attachment 2) was approved by the NNEPA and the US EPA and excavation activities commenced November 2006. Approximately 9,000 cubic yards of hydrocarbon impacted soil was removed and transported to a NMOCD approved landfarm. The US EPA and NNEPA approved the closure of the excavation as described in the report included as Attachment 3.

Groundwater Monitoring – Groundwater samples were collected from monitor wells MW-3, MW-4, and MW-5, upon completion of excavation in 2006. Groundwater from monitor wells MW-3, MW-4, and MW-5 show no detectable levels or trace concentrations of dissolved hydrocarbons with the exception of dissolved phase benzene in MW-5.

GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

Bore/Test Hole Reports are presented as Figures 3-8 representing drilling that occurred on site in March and April 2002.

DISPOSITION OF GENERATED WASTES

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

2006 XTO GROUNDWATER REPORT

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 was discovered from a historical earthen separator pit. 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 2) 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 3). No product was observed prior to the November 2006 excavation work.

Following the excavation work, groundwater from monitor wells MW-3, MW-4, and MW-5 showed no detectable levels or trace concentrations of dissolved hydrocarbons with the exception of elevated levels of benzene in MW-5. It appears that monitoring wells MW-3 and MW-4 adequately delineate the west and southern limits of groundwater impact. XTO proposes to install additional groundwater monitoring wells to the north and east of the former source area. Quarterly sampling of the groundwater monitor wells will continue until four (4) consecutive quarters of groundwater samples indicate BTEX constituents are below the New Mexico Water Quality Control Commission (NMWQCC) standards.

RECOMMENDATIONS

- Installation of an additional groundwater monitor well to the north and east of the former pit.
- Quarterly sampling will continue at all monitor wells until analytical results show hydrocarbon constituents are below NMWQCC groundwater standards for four (4) consecutive quarters.
- Following OCD, NNEPA and USEPA approval for closure, all monitor 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

Revised Date: January 26, 2007

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#1	16.63	22.22	0.33	NA	NA	NA	NA
24-Apr-02				0.58	NA	NA	NA	NA
27-Aug-02		16.49		0.30	NA	NA	NA	NA
08-Oct-02		16.16		0.37	NA	NA	NA	NA
23-May-03		16.04		0.31	NA	NA	NA	NA
28-May-03		15.99		0.18	NA	NA	NA	NA
06-Jun-03		16.04		0.11	NA	NA	NA	NA
18-Jun-03		16.04		0.07	NA	NA	NA	NA
26-Jun-03		17.93		0.08	NA	NA	NA	NA
31-Jul-03		16.19		0.01	NA	NA	NA	NA
29-Aug-03		16.29		-	NA	NA	NA	NA
21-Jun-04		17.09		0.81	NA	NA	NA	NA
22-Apr-02	MW #2	18.32	24.60	-	NA	NA	NA	NA
24-Apr-02		18.38		0.03	NA	NA	NA	NA
27-Aug-02		19.86		0.94	NA	NA	NA	NA
08-Oct-02		18.02		0.52	NA	NA	NA	NA
23-May-03		17.83		0.53	NA	NA	NA	NA
28-May-03		17.78		0.16	NA	NA	NA	NA
06-Jun-03		17.83		0.12	NA	NA	NA	NA
18-Jun-03		17.88		0.09	NA	NA	NA	NA
26-Jun-03		16.09		0.04	NA	NA	NA	NA
31-Jul-03		15.86		-	NA	NA	NA	NA
29-Aug-03		15.99		-	NA	NA	NA	NA
21-Jun-04		16.83		0.73	NA	NA	NA	NA
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
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
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

TABLE 1
XTO ENERGY INC. GROUNDWATER LAB RESULTS

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

Revised Date: January 26, 2007

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
18-Jun-03	MW #5	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
22-Apr-02	MW #6	18.31	25.00		NA	NA	NA	NA
24-Apr-02		18.32			6,100	4,800	920	6,600
27-Aug-02	MW #6	NA		0.47	NA	NA	NA	NA
08-Oct-02		18.13		1.29	NA	NA	NA	NA
23-May-03		17.95		1.33	NA	NA	NA	NA
28-May-03		17.90		1.22	NA	NA	NA	NA
06-Jun-03		18.00		1.20	NA	NA	NA	NA
18-Jun-03		18.02		1.24	NA	NA	NA	NA
26-Jun-03		18.10		1.22	NA	NA	NA	NA
31-Jul-03		19.13		1.36	NA	NA	NA	NA
29-Aug-03		18.34		1.46	NA	NA	NA	NA
21-Jun-04		18.95		1.17	NA	NA	NA	NA
NMWQCC GROUNDWATER STANDARDS					10	750	750	620

FIGURE 1

• MW #5

TO
WELL HEAD
(~125 ft.)

METER RUN

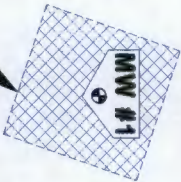
• MW #2

• MW #3



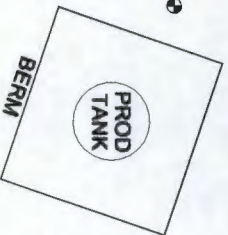
CONFR.

SEP.



ABANDONED
SEPARATOR PIT

• MW #4



• MW #6

26 FT.

65 FT.

ENTRANCE
GATE

FENCE LINE

SHOULDER WHITE LINE OF CR 7150



1 INCH = 30 FT.
0 30 60 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.

XTO ENERGY INC.

O.H. RANDEL #7

NW/4 NW/4 SEC. 15, T26N, R11W, NMPM

SAN JUAN COUNTY, NEW MEXICO

BLAGG ENGINEERING, INC.

CONSULTING PETROLEUM / RECLAMATION SERVICES

P.O. BOX 87

BLOOMFIELD, NEW MEXICO 87413

PHONE: (505) 633-1199

PROJECT: GW INVESTIGAT.

DRAWN BY: NJV

FILENAME: 10-17-05-SM.SKF

REVISED: 10/17/05 NJV

**SITE
MAP**

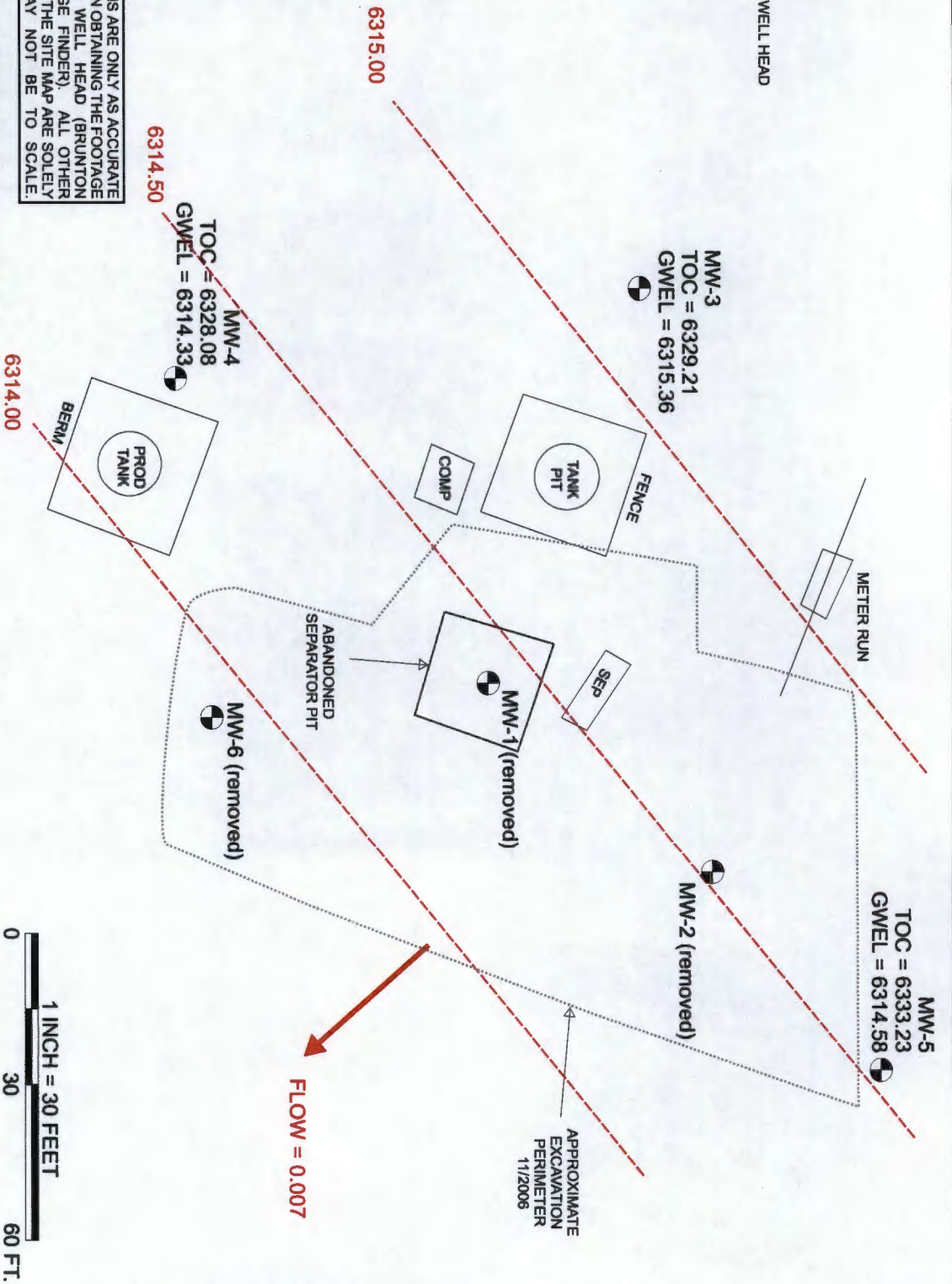
06/05



TO WELL HEAD

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

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



Lodestar Services, Inc
PO Box 3861
Farmington, NM 87499

OH RANDEL #7
NW/4 NW/4 SEC. 15, T26N, R11W
SAN JUAN COUNTY, NEW MEXICO

PROJECT: XTO GROUND WATER
DRAWN BY: ALA
REVISED: 01/05/07

FIGURE 2
GROUNDWATER GRADIENT MAP
12/05/2006

FIGURE 3

BLAGG ENGINEERING, INC.

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

BORE / TEST HOLE REPORT

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.

BORING #..... BH - 1
MW #..... 1
PAGE #..... 1
DATE STARTED 3/22/02
DATE FINISHED 3/22/02
OPERATOR..... JCB
PREPARED BY NJV

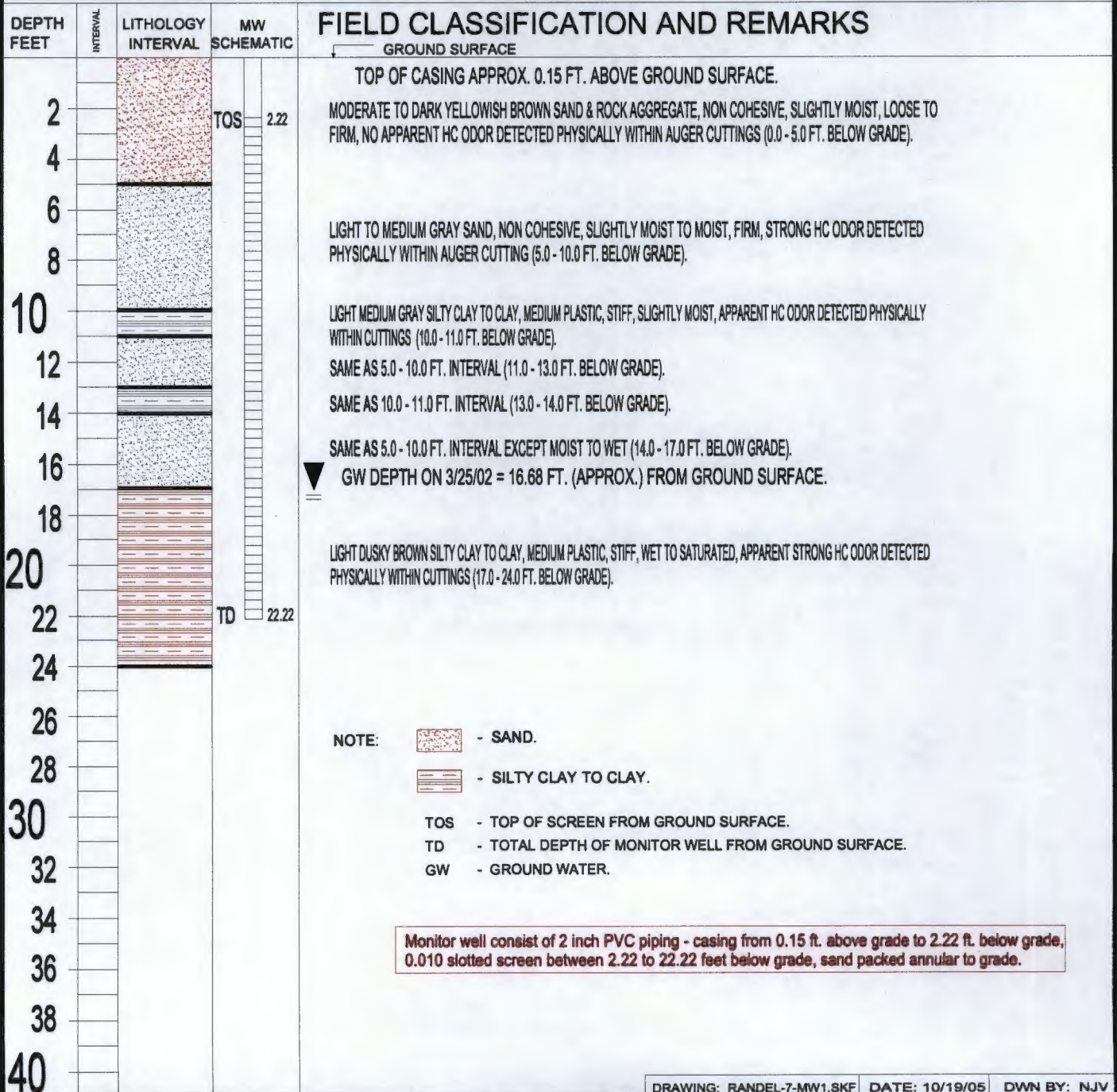


FIGURE 4

BLAGG ENGINEERING, INC.

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

BORE / TEST HOLE REPORT

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.**

BORING #..... **BH - 2**
MW #..... **2**
PAGE #..... **2**
DATE STARTED **4/09/02**
DATE FINISHED **4/09/02**
OPERATOR..... **JCB**
PREPARED BY **NJV**

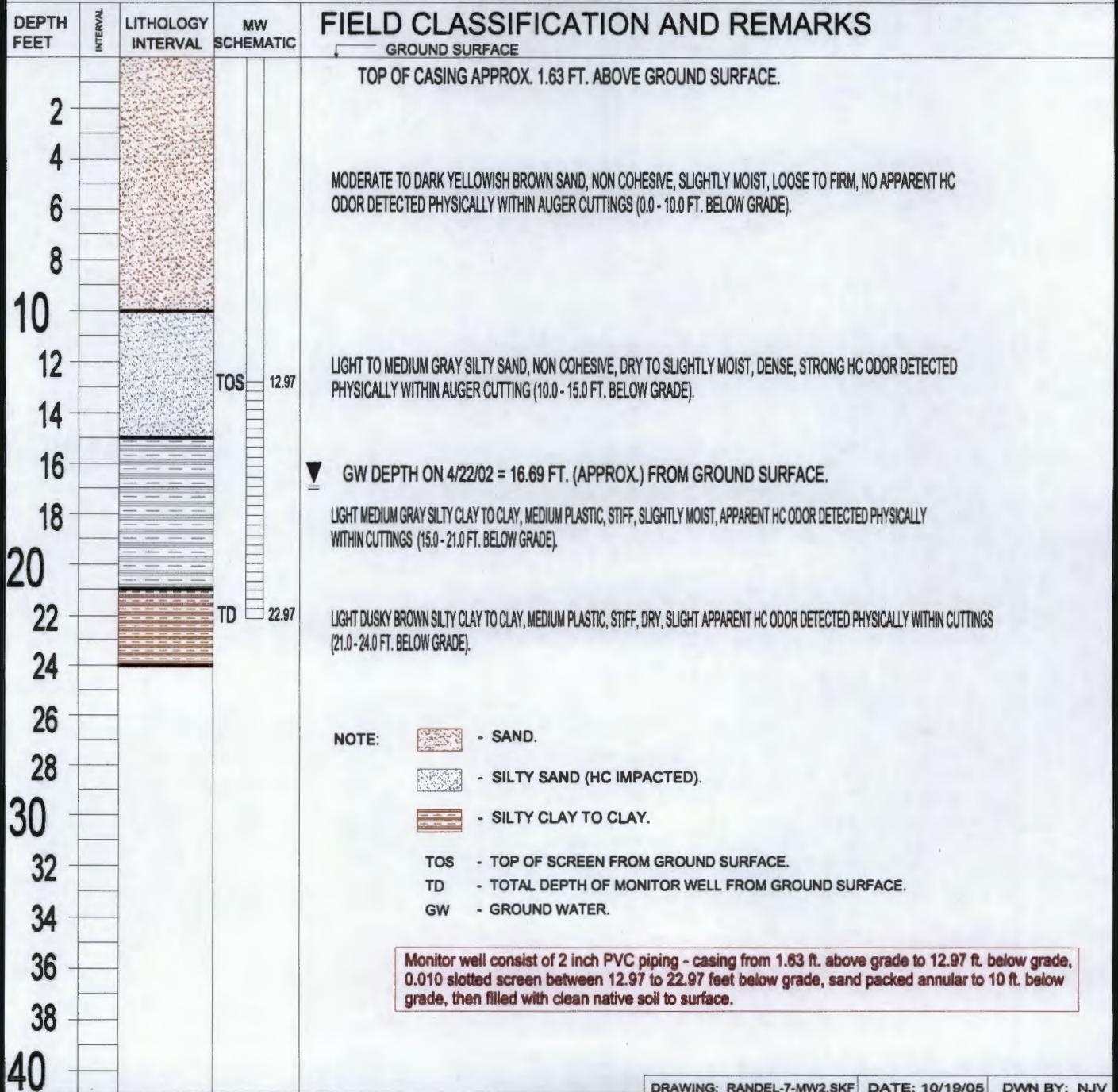


FIGURE 5

BLAGG ENGINEERING, INC.

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

BORE / TEST HOLE REPORT

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.**

BORING #..... **BH - 3**
MW #..... **3**
PAGE #..... **3**
DATE STARTED **4/09/02**
DATE FINISHED **4/09/02**
OPERATOR..... **JCB**
PREPARED BY **NJV**

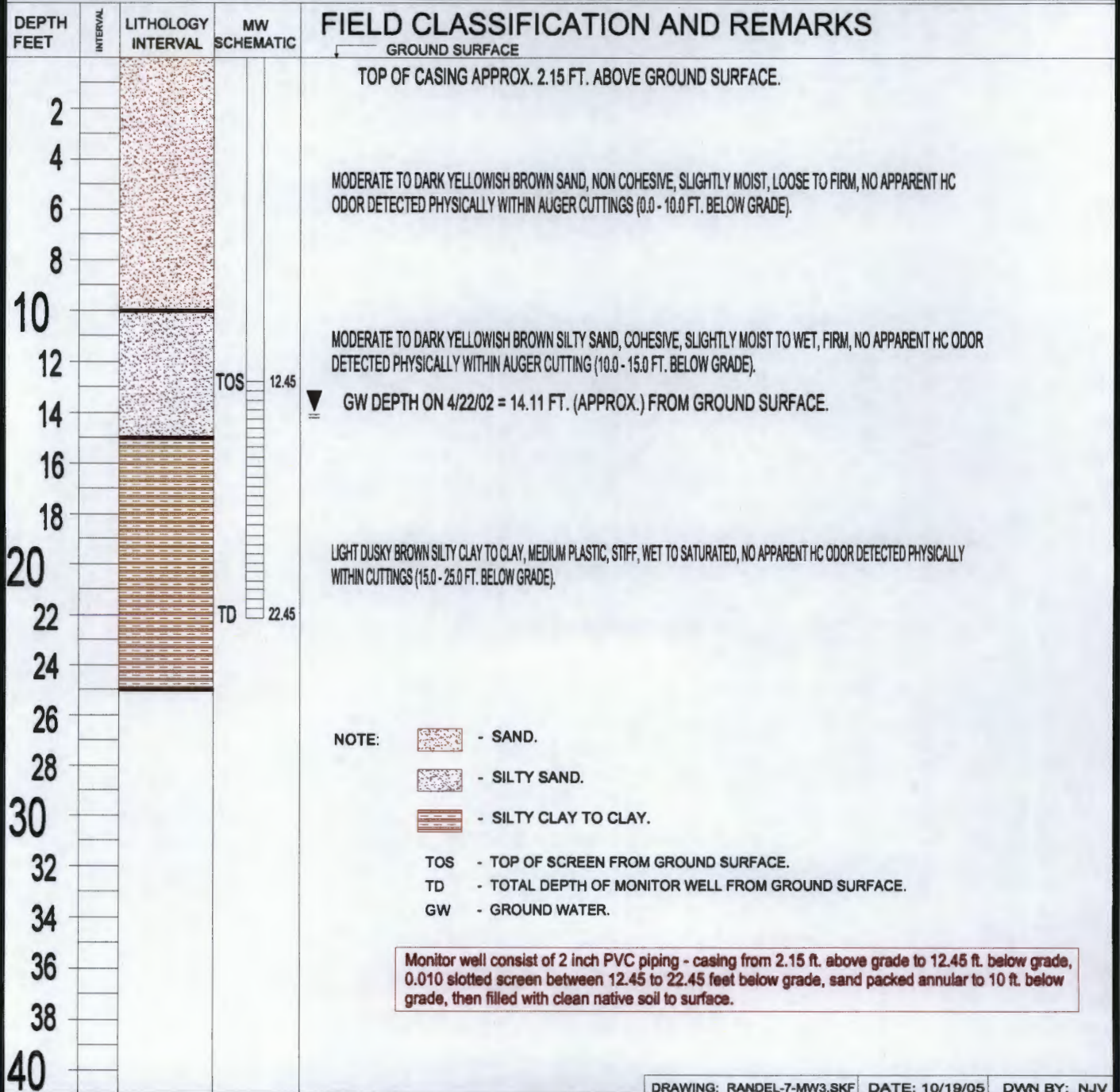


FIGURE 6

BLAGG ENGINEERING, INC.

P.O. BOX 87
BLOOMFIELD, NM 87413

(505) 632-1199

BORE / TEST HOLE REPORT

CLIENT: **XTO ENERGY INC.**
LOCATION NAME: **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.**

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

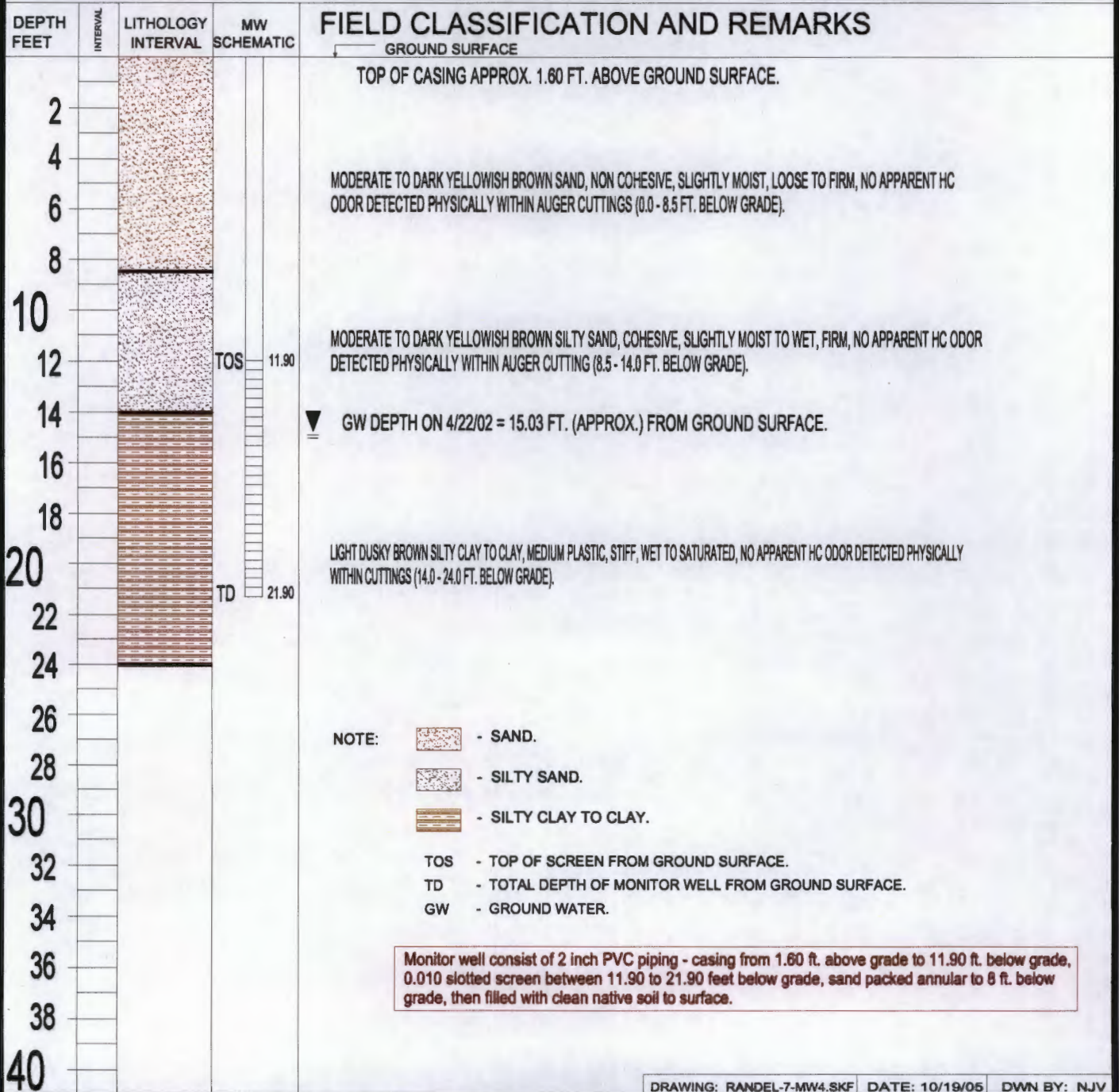


FIGURE 7

BLAGG ENGINEERING, INC.

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

BORE / TEST HOLE REPORT

CLIENT: **XTO ENERGY INC.**
LOCATION NAME: **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.**

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

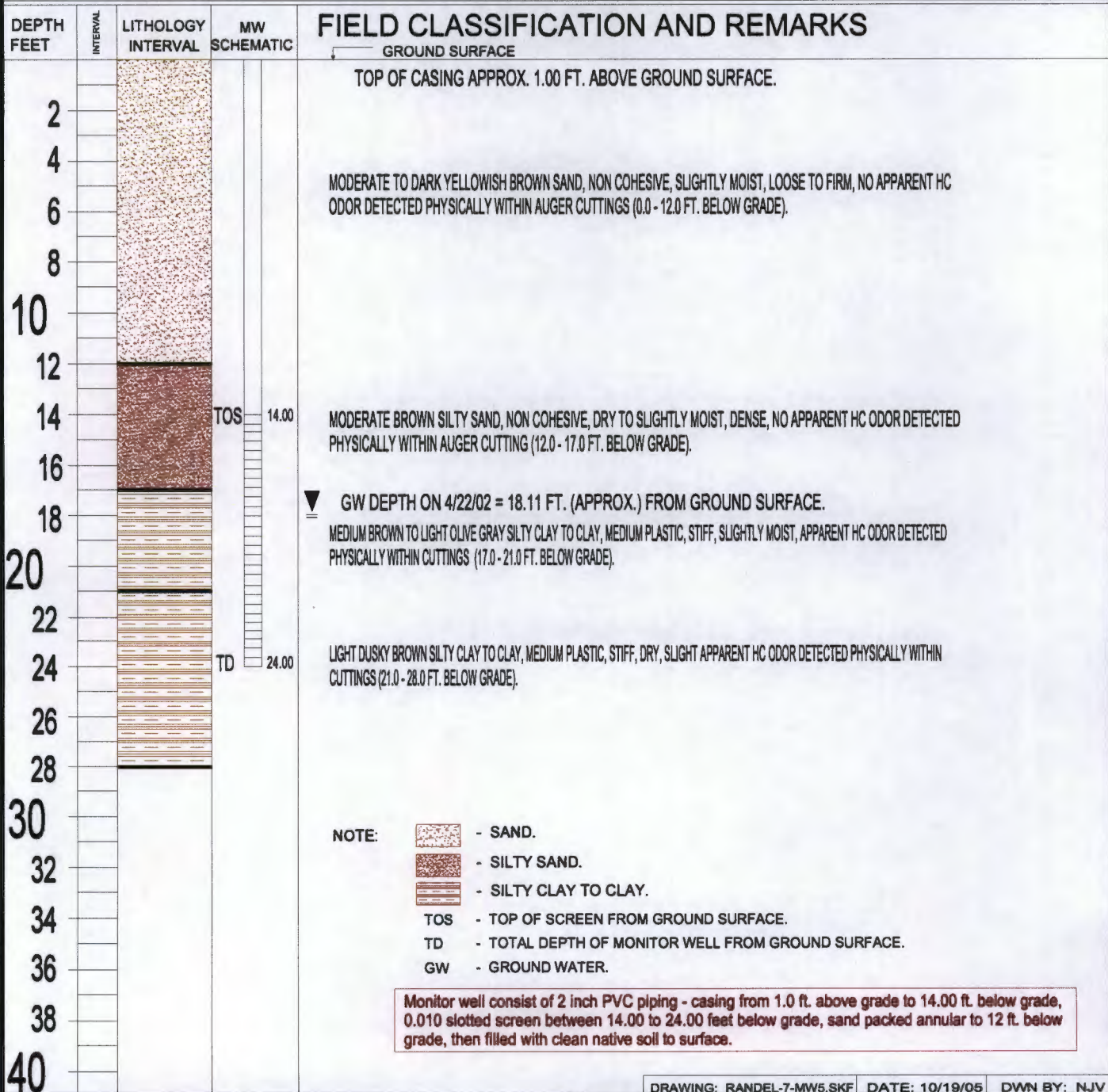


FIGURE 8

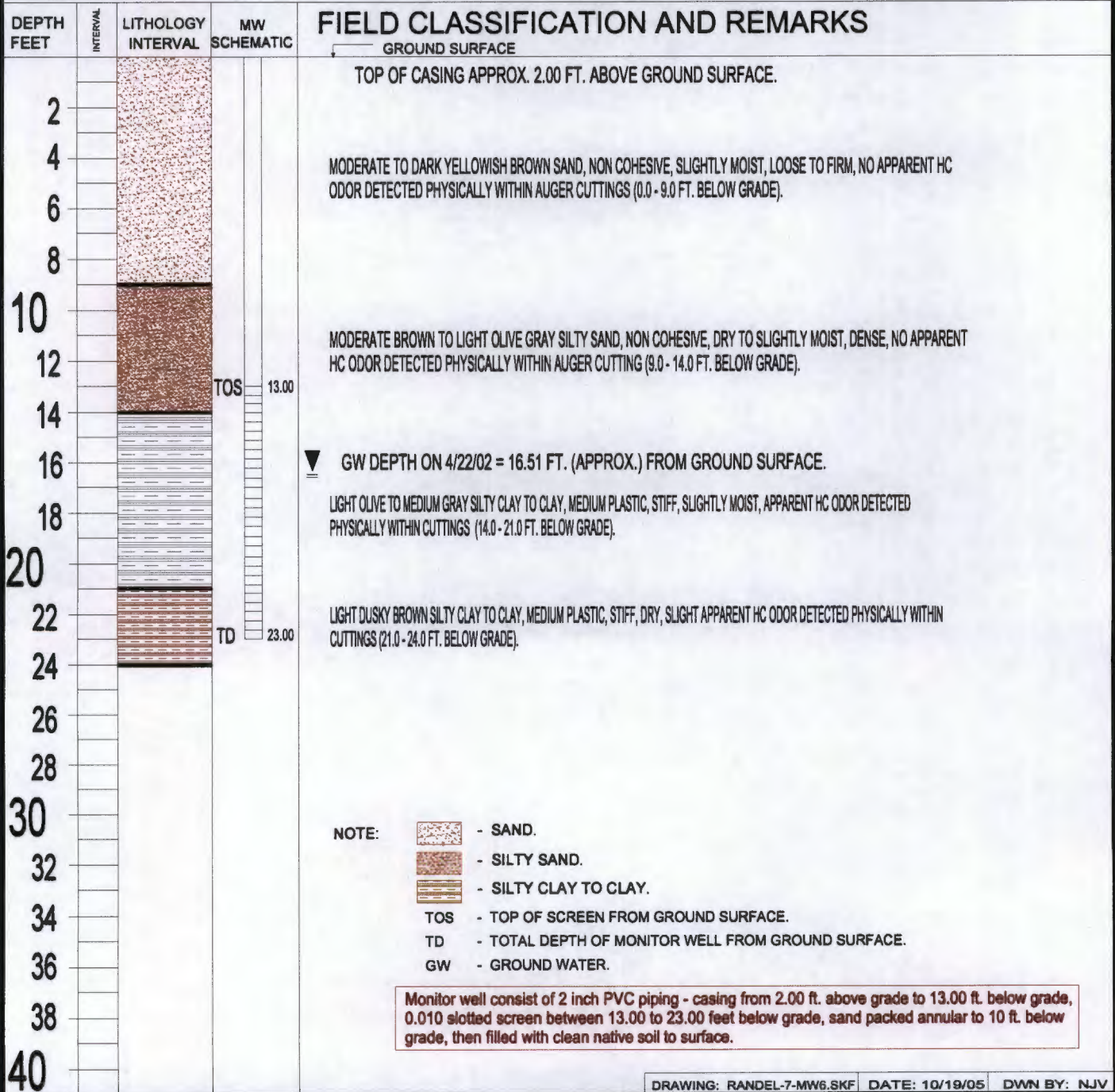
BLAGG ENGINEERING, INC.

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

BORE / TEST HOLE REPORT

CLIENT: XTO ENERGY INC.
LOCATION NAME: 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.

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



Hall Environmental Analysis Laboratory, Inc.

Date: 15-Dec-06

CLIENT: XTO Energy
Project: Ground Water

Lab Order: 0612120

Lab ID: 0612120-04

Collection Date: 12/5/2006 11:38:00 AM

~~Client Sample ID: Jack Frost B2 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	12/12/2006 12:06:05 AM
Toluene	ND	1.0		µg/L	1	12/12/2006 12:06:05 AM
Ethylbenzene	ND	1.0		µg/L	1	12/12/2006 12:06:05 AM
Xylenes, Total	ND	3.0		µg/L	1	12/12/2006 12:06:05 AM
Surr: 4-Bromofluorobenzene	79.0	70.2-105		%REC	1	12/12/2006 12:06:05 AM

Lab ID: 0612120-05

Collection Date: 12/5/2006 1:08:00 PM

Client Sample ID: OH Randel 7 MW-5

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	37	1.0		µg/L	1	12/12/2006 12:36:10 AM
Toluene	ND	1.0		µg/L	1	12/12/2006 12:36:10 AM
Ethylbenzene	ND	1.0		µg/L	1	12/12/2006 12:36:10 AM
Xylenes, Total	4.1	3.0		µg/L	1	12/12/2006 12:36:10 AM
Surr: 4-Bromofluorobenzene	81.1	70.2-105		%REC	1	12/12/2006 12:36:10 AM

Lab ID: 0612120-06

Collection Date: 12/5/2006 12:38:00 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	12/12/2006 3:36:16 AM
Toluene	ND	1.0		µg/L	1	12/12/2006 3:36:16 AM
Ethylbenzene	ND	1.0		µg/L	1	12/12/2006 3:36:16 AM
Xylenes, Total	ND	3.0		µg/L	1	12/12/2006 3:36:16 AM
Surr: 4-Bromofluorobenzene	79.5	70.2-105		%REC	1	12/12/2006 3:36:16 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

Hall Environmental Analysis Laboratory, Inc.

Date: 15-Dec-06

CLIENT: XTO Energy
Project: Ground Water

Lab Order: 0612120

Lab ID: 0612120-07
Client Sample ID: OH Randel 7 MW-4

Collection Date: 12/5/2006 1:03:00 PM
Matrix: AQUEOUS

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

Lab ID: 0612120-08

Collection Date: 12/5/2006 2:13:00 PM

~~Client Sample ID: McDaniel Gas Com BIE 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	12/12/2006 4:36:26 AM
Toluene	ND	1.0		µg/L	1	12/12/2006 4:36:26 AM
Ethylbenzene	ND	1.0		µg/L	1	12/12/2006 4:36:26 AM
Xylenes, Total	ND	3.0		µg/L	1	12/12/2006 4:36:26 AM
Surr: 4-Bromofluorobenzene	79.5	70.2-105		%REC	1	12/12/2006 4:36:26 AM

Lab ID: 0612120-09

Collection Date: 12/5/2006 3:10:00 PM

~~Client Sample ID: McDaniel Gas Com BIE 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	12/12/2006 5:06:30 AM
Toluene	ND	1.0		µg/L	1	12/12/2006 5:06:30 AM
Ethylbenzene	ND	1.0		µg/L	1	12/12/2006 5:06:30 AM
Xylenes, Total	ND	3.0		µg/L	1	12/12/2006 5:06:30 AM
Surr: 4-Bromofluorobenzene	79.2	70.2-105		%REC	1	12/12/2006 5:06:30 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- 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: 0612120

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SW8021									
Sample ID: 0612120-02A MSD		MSD			Batch ID: R21754	Analysis Date: 12/12/2006 1:36:12 AM			
Benzene	17.92	µg/L	1.0	87.5	85.9	113	6.25	27	
Toluene	17.88	µg/L	1.0	87.7	86.4	113	4.33	19	
Ethylbenzene	17.30	µg/L	1.0	86.5	83.5	118	4.82	10	
Xylenes, Total	51.71	µg/L	3.0	86.2	83.4	122	4.61	13	
Sample ID: b 15		MBLK			Batch ID: R21754	Analysis Date: 12/11/2006 1:54:38 PM			
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	3.0						
Sample ID: 5ML REAGENT BLA		MBLK			Batch ID: R21800	Analysis Date: 12/13/2006 1:26:25 AM			
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	3.0						
Sample ID: 5ML REAGENT BLA		MBLK			Batch ID: R21831	Analysis Date: 12/14/2006 1:42:55 AM			
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	3.0						
Sample ID: 100NG BTEX LCS II		LCS			Batch ID: R21754	Analysis Date: 12/12/2006 1:06:12 AM			
Benzene	18.26	µg/L	1.0	90.3	85.9	113			
Toluene	18.31	µg/L	1.0	91.6	86.4	113			
Ethylbenzene	17.98	µg/L	1.0	89.9	83.5	118			
Xylenes, Total	53.73	µg/L	3.0	89.6	83.4	122			
Sample ID: 100NG BTEX LCS		LCS			Batch ID: R21800	Analysis Date: 12/13/2006 1:33:03 PM			
Benzene	18.09	µg/L	1.0	90.4	85.9	113			
Toluene	17.99	µg/L	1.0	89.9	86.4	113			
Ethylbenzene	17.55	µg/L	1.0	87.7	83.5	118			
Xylenes, Total	52.58	µg/L	3.0	87.6	83.4	122			
Sample ID: 100NG BTEX LCS		LCS			Batch ID: R21831	Analysis Date: 12/14/2006 1:50:29 PM			
Benzene	17.78	µg/L	1.0	88.9	85.9	113			
Toluene	17.85	µg/L	1.0	89.2	86.4	113			
Ethylbenzene	17.33	µg/L	1.0	86.6	83.5	118			
Xylenes, Total	52.15	µg/L	3.0	86.9	83.4	122			
Sample ID: 0612120-02A MS		MS			Batch ID: R21754	Analysis Date: 12/12/2006 1:06:08 AM			
Benzene	19.07	µg/L	1.0	93.3	85.9	113			
Toluene	18.88	µg/L	1.0	91.7	86.4	113			
Ethylbenzene	18.16	µg/L	1.0	90.8	83.5	118			
Xylenes, Total	54.15	µg/L	3.0	90.2	83.4	122			

Qualifiers:

E Value above quantitation range
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 5 / 6
S 5 / 6

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name XTO ENERGY

Date and Time Received:

12/8/2006

Work Order Number 0612120

Received by TLS

Checklist completed by

Signature

Date

Matrix

Carrier name Greyhound

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒

No ☐

Not Present ☐

Not Shipped ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☐

Yes ☒

No ☐

Water - pH acceptable upon receipt?

Yes ☐

No ☐

N/A ☒

Container/Temp Blank temperature?

2°

4° C ± 2 Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding

Comments:

Corrective Action

Date:	12-7-06	Time:	150
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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:

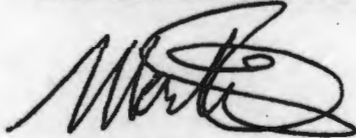
1. Excavate affected soil associated with historical operations from the former pit. Impacted soil will be disposed at a local land farm permitted by the NMOCD. Soil headspace gas will be monitored with a photo-ionization detector (PID) to determine extent of impacted soil during excavation according 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 Walker 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
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)
NMOCB Standard			100	10,000					50,000
Excavation West Wall	8.0	ND	8.0	2.0	746	889	2170	979	4790
Excavation Floor	3.6	ND	3.6	10.5	65.9	119	619	202	1020
Excavation East Wall	5.2	15.0	20.2	7.4	50.7	16.7	78.6	37.0	190
Excavation West Wall	0.5	0.4	0.9	3.3	9.1	19.6	84.7	28.4	145
Excavation Floor	ND	ND	ND	ND	4.4	7.7	24.5	5.3	41.9
Excavation South Wall	ND	ND	ND	ND	1.9	7.9	24.8	8.7	43.3

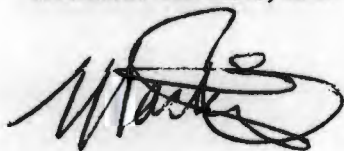
GRO: Gasoline Range Organics; DRO: Diesel Range Organics;
ND: Not Detected in sample; ppm: parts per million; ppb: parts per billion

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

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

Form C-144
June 1, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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 ☐

Pit

Type: Drilling ☐ Production ☒ Disposal ☐ SEPARATOR

Workover ☐ Emergency ☐

Lined ☐ Unlined ☒

Liner type: Synthetic ☐ Thickness _____ mil Clay ☐

Pit Volume _____ bbl

Below-grade tank

Volume: _____ bbl Type of fluid: _____

Construction material: _____

Double-walled, with leak detection? Yes ☐ If not, explain why not. _____

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)

Less than 50 feet

(20 points)

50 feet or more, but less than 100 feet

(10 points)

20

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)

No

(0 points)

0

Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)

Less than 200 feet

(20 points)

200 feet or more, but less than 1000 feet

(10 points)

0

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 Jeff Blagg

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:

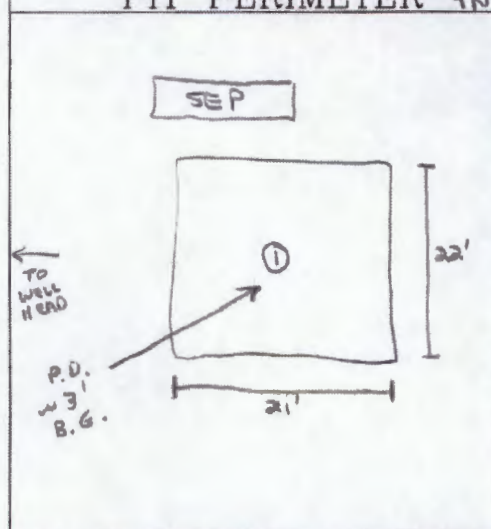
Printed Name/Title _____

Signature _____

Date: _____

3004524749

36.49193/107.99632

CLIENT: <u>XTO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: _____ C.O.C. NO: <u>9796</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>ABAN. SEP.</u> QUAD/UNIT: <u>D SEC: 15 TWP: 26N RNG: 11W PM: NM CNTY: SJ ST: NM</u> QTR/FOOTAGE: <u>1150N/1150W NW/1150W</u> CONTRACTOR: _____		DATE STARTED: <u>3/12/02</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>																																																
EXCAVATION APPROX. <u>NA</u> FT. x <u>NA</u> FT. x <u>NA</u> FT. DEEP. CUBIC YARDAGE: <u>NA</u>																																																		
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: _____																																																		
LAND USE: <u>RANGE - BLM</u> LEASE: _____ FORMATION: <u>DK</u>																																																		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>239</u> FT. <u>STSE</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u> NMDCD RANKING SCORE: <u>0</u> NMDCD TPH CLOSURE STD: <u>5000</u> PPM																																																		
SOIL AND EXCAVATION DESCRIPTION: SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____ SOIL COLOR: <u>MED. GRAY</u> COHESION (ALL OTHERS): <u>NON COHESIVE</u> / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): <u>LOOSE</u> / <u>FIRM</u> / DENSE / VERY DENSE PLASTICITY (CLAYS): <u>NON PLASTIC</u> / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): <u>SOFT</u> / FIRM / STIFF / VERY STIFF / HARD MOISTURE: <u>DRY</u> / SLIGHTLY MOIST / <u>MOIST</u> / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION - <u>GET. 4-6' BELOW GRADE</u> HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - <u>MED. GRAY SAND (STRONG)</u> SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS. <u>-</u> ADDITIONAL COMMENTS: <u>CONDUCTED SAMPLING WITH HAND SHOVEL.</u>		OVM CALIB. READ. <u>52.7</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = <u>0.52</u> TIME: <u>11:48</u> am/pm DATE: <u>3/12/02</u>																																																
SCALE  0 FT FIELD 418.1 CALCULATIONS <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMP. TIME</th> <th>SAMPLE I.D.</th> <th>LAB No:</th> <th>WEIGHT (g)</th> <th>mL. FREON</th> <th>DILUTION</th> <th>READING</th> <th>CALC. ppm</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>			SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm																																								
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PIT PERIMETER 		PIT PROFILE <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">OVM RESULTS</th> </tr> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE P.D. (ppm)</th> </tr> </thead> <tbody> <tr><td>1 @ 6'</td><td>1,015</td></tr> <tr><td>2 @</td><td> </td></tr> <tr><td>3 @</td><td> </td></tr> <tr><td>4 @</td><td> </td></tr> <tr><td>5 @</td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">LAB SAMPLES</th> </tr> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <tr> <td>1 @ 6'</td> <td>TPH (30x58)</td> <td>1130</td> </tr> <tr> <td>"</td> <td>BTEX (30x18)</td> <td>"</td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	OVM RESULTS		SAMPLE ID	FIELD HEADSPACE P.D. (ppm)	1 @ 6'	1,015	2 @		3 @		4 @		5 @												LAB SAMPLES			SAMPLE ID	ANALYSIS	TIME	1 @ 6'	TPH (30x58)	1130	"	BTEX (30x18)	"												
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P.D. = PIT DEPRESSION; B.G. = BELOW GRADE T.H. = TEST HOLE; ~ = APPROX.; B = BELOW																																																		
TRAVEL NOTES: CALLOUT: <u>3/12/02 - MORN.</u> ONSITE: <u>3/12/02 - MORN.</u>																																																		

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.**

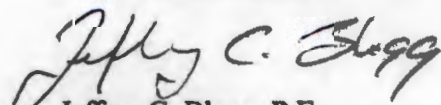
**O.H. Randel # 7 Well site
Legal Description: Unit D, Sec. 15, T26N, R11W
San Juan County, New Mexico**

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