3R - 123

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 123

XTO ENERGY INC.

ANNUAL GROUNDWATER REPORT

2006

ROMERO GAS COM A #1
(K) SECTION 27 – T29N – R10W, NMPM
SAN JUAN COUNTY, NEW MEXICO

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

January 2007

TABLE OF CONTENTS

2006 XTO GROUNDWATER REPORT

ROMERO GAS COM A #1

SITE DETAILS

Legals - Twn: 29N **Rng:** 10W **Sec:** 27 **Unit:** K
NMOCD Hazard Ranking: 60 **Land Type:** FEE

PREVIOUS ACTIVITIES

Excavation: Jul-03
Monitor Wells: Jul-03
Sampling Dates: Sep-06
Soil Boring: Jul-03
Quarterly Sampling Initiated: Aug-03

SITE MAP

A site map is presented as Figure 1.

SUMMARY TABLES

A summary of laboratory results from 2003 and 2004 groundwater monitoring is presented as Table 1. General water quality data and trace metals data is included as Tables 2 and 3. Copies of the laboratory data sheets and associated quality assurance/quality control data for 2006 are presented as Attachment 1.

POTENTIOMETRIC SURFACE DIAGRAMS

Site monitoring has indicated a groundwater gradient that consistently exhibits a trend to the northwest. Figure 2 illustrates the estimated groundwater gradient observed in September 2006.

2006 ACTIVITIES

Annual Groundwater Remediation Report- The 2005 annual report was submitted to New Mexico Oil Conservation Division (NMOCD) in January 2006, proposing termination of sampling for benzene, toluene, ethyl benzene and total xylenes (BTEX) constituents in all site monitor wells, in accordance with the NMOCD approved Groundwater Management Plan. XTO Energy Inc. (XTO) proposed to sample monitor well numbered MW-3X for the presence of total mercury in 2007.

Groundwater Monitoring – Annual groundwater samples for mercury were collected from MW-3X in 2006. Groundwater analytical data was below standards for mercury at MW-3X for the 2006 sampling event.

GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

Bore/Test Hole Reports are presented are presented as Figures 3-5 representing drilling that occurred on site in July 2003.

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.

CONCLUSIONS

January 1998 XTO acquired the Romero Gas Com A #1 from Amoco Production Company. Groundwater impacts were suspected at this site following work at a former

separator pit and production tank pit. During this work, a release of hydrocarbons to the ground surface from the site pit tanks was identified. Remediation of impacted soils and groundwater via excavation was immediately conducted and monitor wells were installed to assess potential impacts to groundwater.

Analytical data from monitor wells indicated that residual hydrocarbon impacts were not present. Groundwater samples were analyzed for metals due to the nature of the release. Laboratory analysis identified the metal mercury in down-gradient well MW-3X at a level of 0.0045 mg/L (equivalent to parts per million).

Laboratory analysis of groundwater samples collected from MW-3X in 2006 have demonstrated no detectable levels of mercury and NMWQCC standards have been met. Therefore, XTO requests closure of this site.

RECOMMENDATIONS

- XTO requests closure of this site.
- Following OCD 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

ROMERO GC A #1- SEPARATOR PIT
UNIT K, SEC. 27, T29N, R10W

Revised Date: February 5, 2007

Sample Date	Monitor Well No.	DTW (ft)	TD (ft)	Product (ft)	Benzene	Toluene	Ethyl Benzene	Total Xylene
06-Aug-03	MW #1	7.91	10.00		NA	NA	NA	NA
25-Nov-03		6.27			NA	NA	NA	NA
06-Aug-03	MW #1X	8.5	10.00		ND	ND	ND	ND
29-Aug-03					NA	NA	NA	NA
06-Aug-03	MW #2X	7.92	10.00		NA	NA	NA	NA
06-Aug-03	MW #3X	8.57	10.00		14	ND	ND	ND
25-Nov-03		6.64			ND	ND	ND	ND
30-Mar-04		6.68			ND	ND	ND	ND
16-Jun-04		8.28			2.7	ND	ND	ND
27-Sep-04		8.39			ND	ND	ND	ND
NMWQCC GROUNDWATER STANDARDS					10	750	750	620

TABLE 2
XTO ENERGY INC. GROUNDWATER LAB RESULTS

ROMERO GC A #1- SEPARATOR PIT
UNIT K, SEC. 27, T29N, R10W

Revised Date: February 5, 2007
Sample Date: August 6, 2003
November 25. 2003

PARAMETERS	MW #1	MW #3X	UNITS
LAB Ph	6.7	7.14	s.u.
LAB CONDUCTIVITY @ 25 C	4,590	3,280	umhos/cm
TOTAL DISSOLVED SOLIDS @ 180 C	2,250	1,700	mg/L
TOTAL DISSOLVED SOLIDS (Calc)	2,280	1,540	mg/L
SODIUM ABSORPTION RATIO	9.9	2.5	ratio
TOTAL ALKALINITY AS CaCO3	322	343	mg/L
TOTAL HARDNESS AS CaCO3	532	852	mg/L
BICARBONATE AS HCO3	322	343	mg/L
CARBONATE AS CO3	< 0.1	< 0.1	mg/L
HYDROXIDE AS OH	< 0.1	< 0.1	mg/L
NITRATE NITORGEN	< 0.1	0.1	mg/L
NITRITE NITROGEN	0.005	0.008	mg/L
CHLORIDE	23.6	225	mg/L
FLUORIDE	1.44	0.44	mg/L
PHOSPHATE	0.1	0.6	mg/L
SULFATE	1,320	605	mg/L
IRON	0.024	0.46	mg/L
CALCIUM	213	285	mg/L
MAGNESIUM	< 0.01	34.2	mg/L
POTASSIUM	2.3	9.5	mg/L
SODIUM	525	168	mg/L
CATION/ANION DIFFERENCE	0.06	0.05	%

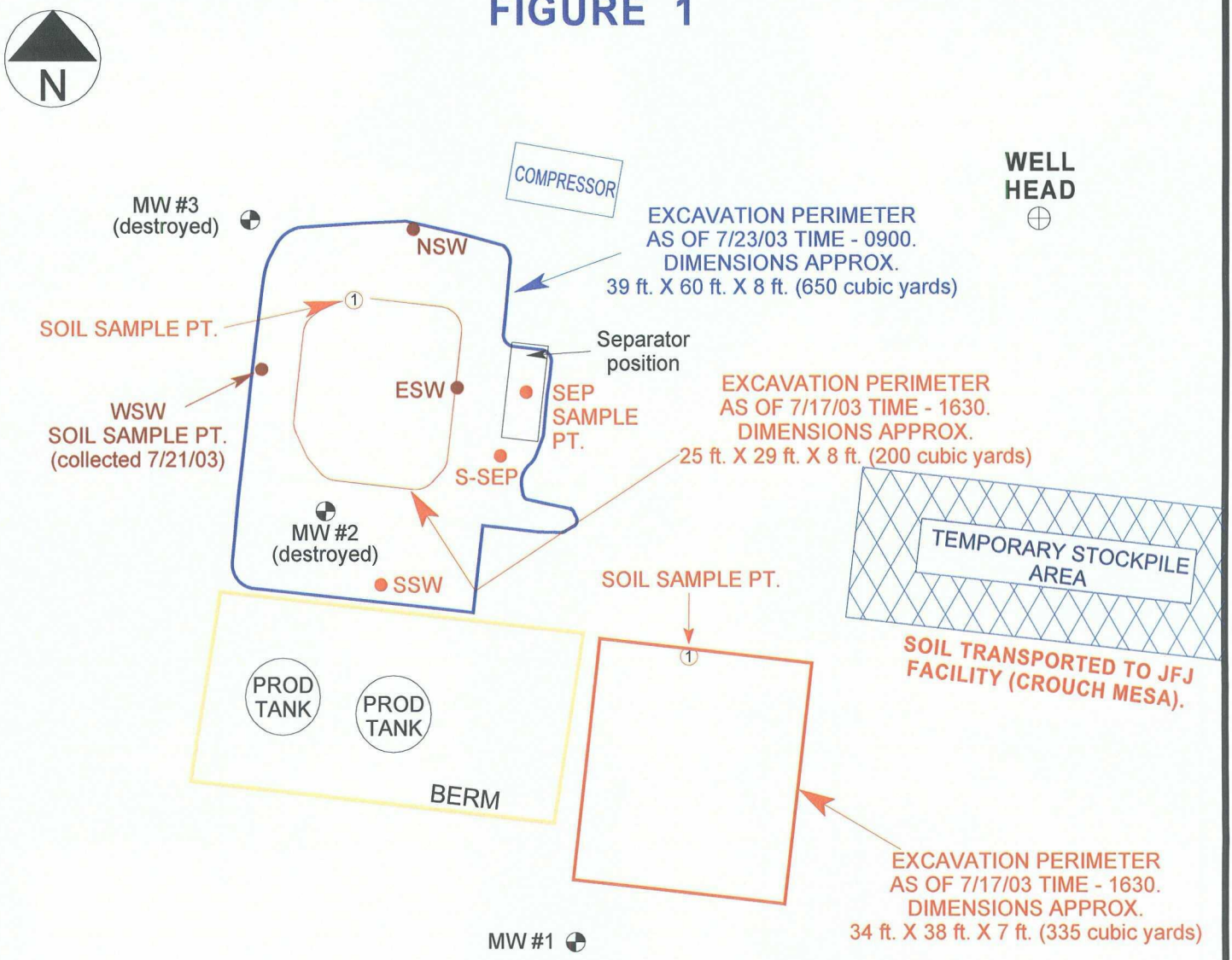
TABLE 3
XTO ENERGY INC. GROUNDWATER LAB RESULTS

ROMERO GC A #1- SEPARATOR PIT
UNIT K, SEC. 27, T29N, R10W

MW #	Sample Date	Mercury	Aluminum	Arsenic	Barium	Boron	Cadmium	Chromium	Cobalt	Copper
1	11/25/2003	ND	-	-	-	-	-	-	-	-
3X	8/6/2003	0.0045	1.1	ND	0.1	0.14	ND	ND	ND	ND
3X	9/25/2006	ND	-	-	-	-	-	-	-	-
NWWQCC STANDARDS		0.002	5.0	0.1	1.0	0.75	0.01	0.05	0.05	1.0

MW #	Sample Date	Iron	Lead	Manganese	Molybdenum	Nickel	Selenium	Silver	Zinc
1	11/25/2003	4.70	-	3.6	-	-	-	-	-
3X	8/6/2003	2.1	0.011	3.6	ND	ND	ND	ND	0.033
3X	9/25/2006	-	-	-	-	-	-	-	-
NWWQCC STANDARDS		1.0	0.05	0.2	1.0	0.2	0.05	0.05	10.0

FIGURE 1



DATE	TIME	SAMPLE ID	PIT TYPE	OVM (ppm)	TPH (ppm)	COMMENTS
7/17/03	1608	① @ 5 ft.	PROD. TANK	0.0	ND	OLIVE GRAY SAND, DTW ~ 7 ft. BELOW GRADE
7/17/03	1537	① @ 5 ft.	SEPARATOR	88.4	119	LT. MED. GRAY SAND, DTW ~ 7 ft. BELOW GRADE
7/21/03	0904	WSW @ 5 ft.	SEPARATOR	0.0	N/A	OLIVE GRAY SAND, DTW ~ 7 ft. BELOW GRADE
7/21/03	0907	ESW @ 4 ft.	SEPARATOR	6.3	ND	OLIVE GRAY SAND, DTW ~ 7 ft. BELOW GRADE
7/21/03	0914	NSW @ 5 ft.	SEPARATOR	4.6	ND	OLIVE GRAY SAND, DTW ~ 7 ft. BELOW GRADE
7/23/03	1028	SSW @ 5.5 ft.	SEPARATOR	0.0	N/A	OLIVE GRAY SAND, DTW ~ 7 ft. BELOW GRADE
7/23/03	1035	S-SEP @ 4 ft.	SEPARATOR	581	N/A	MED. GRAY SAND, DTW ~ 7 ft. BELOW GRADE
7/25/03	0907	SEP @ 7 ft.	SEPARATOR	22.5	ND	OLIVE GRAY SAND, DTW ~ 7 ft. BELOW GRADE

NOTES : OVM = Organic vapor meter or photoionization detector (PID).
TPH = Total petroleum hydrocarbons - US Epa method 8015B.
ppm = parts per million or milligrams per liter (mg/L).
ND = Not detected at parameter detection limit.
N/A = Not available or not applicable based on arbitrary/judgmental assessment.
✓ - indicates OVM instrument not calibrated, but checked with calibration gas.

1 INCH = 25 FEET

0 25 50 FT.

OVM CALIBRATION INFORMATION

OVM CALIB. GAS =	100 ppm	RF = 0.52	
OVM CALIB. READ. =	53.3 ppm	DATE: 7/17/03	TIME: 1615
OVM CALIB. READ. =	54.3 ppm	DATE: 7/21/03	TIME: 0916
OVM CALIB. READ. =	52.7 ppm ✓	DATE: 7/23/03	TIME: 1040
OVM CALIB. READ. =	53.3 ppm ✓	DATE: 7/25/03	TIME: 0920

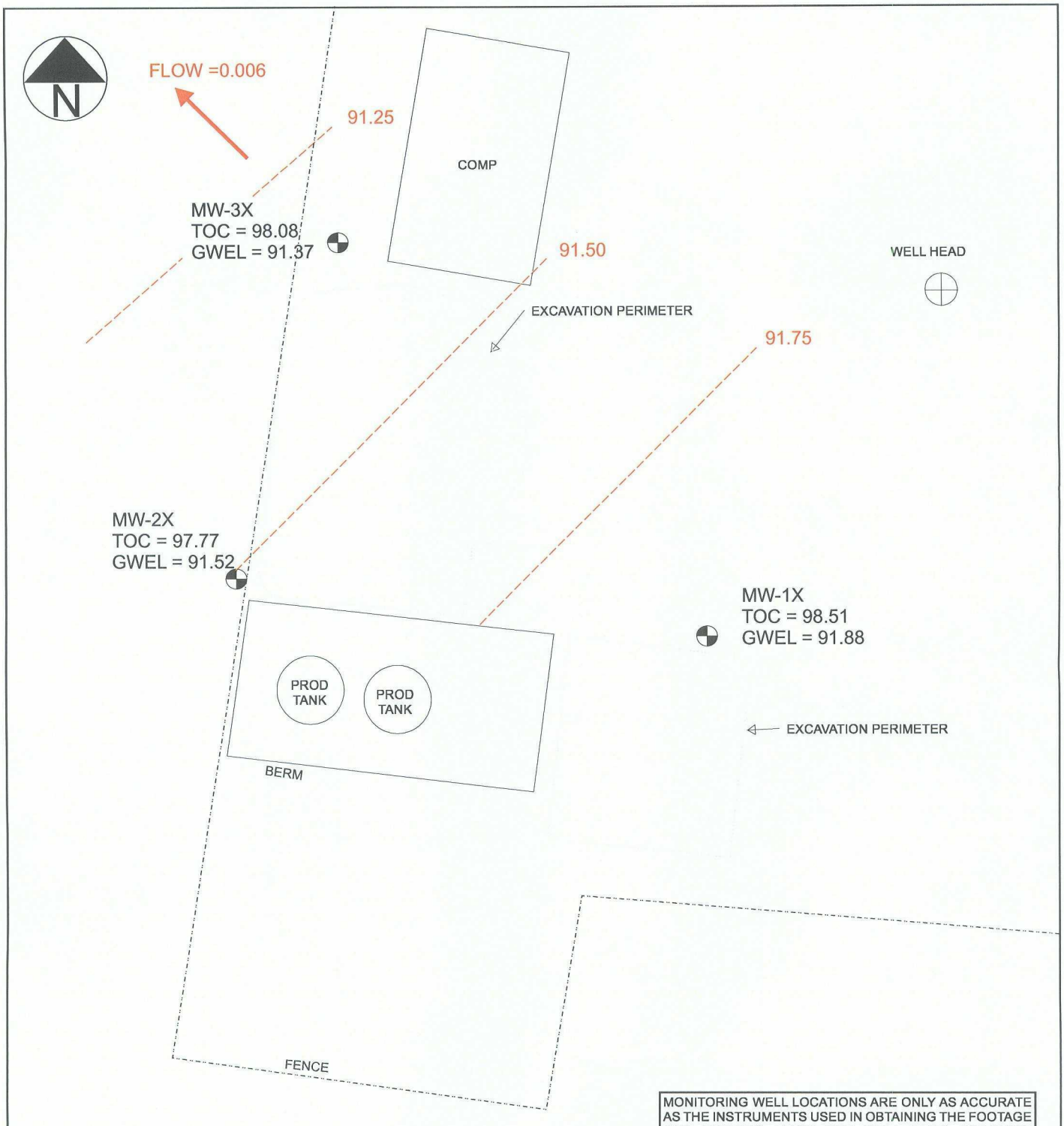
MONITOR WELL & EXCAVATION LOCATIONS ARE ONLY AS ACCURATE AS THE INSTRUMENTS USED IN OBTAINING THE FOOTAGE & BEARING FROM THE WELL HEAD (BRUNTON COMPASS, LASER RANGE FINDER, & TAPE MEASURE). ALL OTHER STRUCTURES DISPLAYED ARE SOLELY FOR REFERENCE AND MAY NOT BE TO SCALE.

XTO ENERGY INC.
ROMERO GC A # 1
NE/4 SW/4 SEC. 27, T29N, R10W
SAN JUAN COUNTY, NEW MEXICO

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

PROJECT: RELEASE CLEANUP
DRAWN BY: NJV
FILENAME: ROMERO GC A1-SM.SKF
REVISED: 11/07/05 NJV

RECLAMATION SITE MAP
7/03



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

1 INCH = 25 FEET

0 25 50 FT.

Lodestar Services, Inc PO Box 3861 Farmington, NM 87499	ROMERO GAS COM A #1 NE/4 SW/4 SEC. 27, T29N, R10W SAN JUAN COUNTY, NEW MEXICO	PROJECT: XTO GROUND WATER DRAWN BY: ALA REVISED: 12/01/06	FIGURE 2 GROUNDWATER GRADIENT MAP 09/25/2006

FIGURE 3

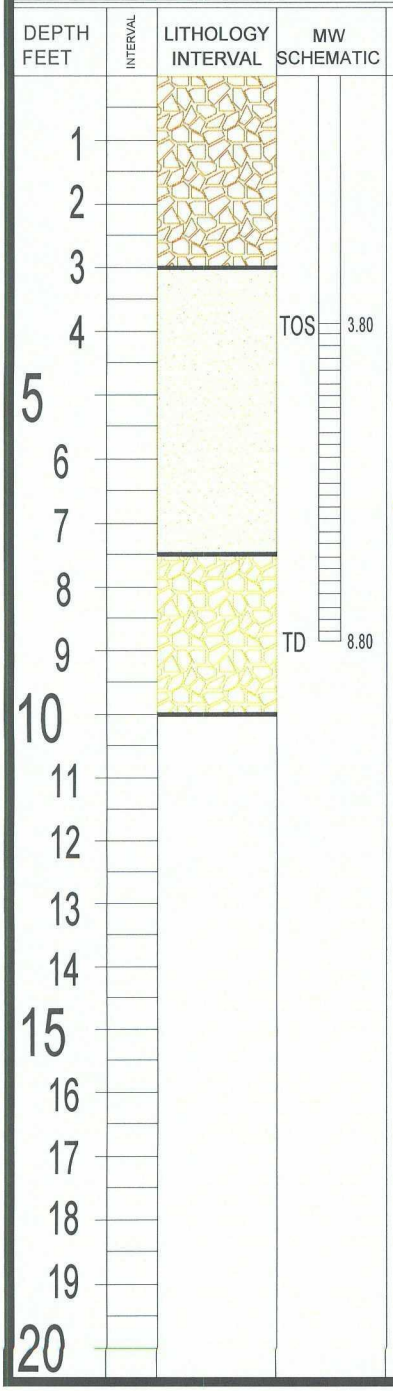
BLAGG ENGINEERING, INC.

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

BORE / TEST HOLE REPORT

CLIENT:	XTO ENERGY INC.
LOCATION NAME:	ROMERO GC A #1 - SEPARATOR PIT, UNIT K, SEC. 27, T29N, R10W
CONTRACTOR:	BLAGG ENGINEERING, INC. / PAUL & SONS, INC.
EQUIPMENT USED:	TRACKHOE
BORING LOCATION:	80 FT., S33.5W FROM WELL HEAD.

BORING #.....	BH - 1
MW #.....	1X
PAGE #.....	1
DATE STARTED	7/28/03
DATE FINISHED	7/28/03
OPERATOR.....	RM
PREPARED BY	NJV



FIELD CLASSIFICATION AND REMARKS

GROUND SURFACE

TOP OF CASING APPROX. 1.20 FT. ABOVE GROUND SURFACE.

DARK YELLOWISH BROWN SAND AND GRAVEL, NON COHESIVE, FIRM TO LOOSE, DRY TO SLIGHTLY MOIST, NO APPARENT HC ODOR DETECTED PHYSICALLY WITHIN SOIL FROM TRACKHOE ADVANCEMENT (0.0 - 3.0 FT. BELOW GRADE).

DARK YELLOWISH BROWN SAND, NON COHESIVE, SLIGHTLY MOIST TO SATURATED, FIRM TO LOOSE, NO APPARENT HC ODOR DETECTED PHYSICALLY WITHIN SOIL FROM TRACKHOE ADVANCEMENT (3.0 - 7.5 FT. BELOW GRADE).

▼ GW DEPTH ON 8/06/03 = 7.35 FT. (APPROX.) FROM GROUND SURFACE.

OLIVE GRAY SAND AND GRAVEL, NON COHESIVE, FIRM TO LOOSE, SATURATED, NO APPARENT HC ODOR DETECTED PHYSICALLY WITHIN SOIL FROM TRACKHOE ADVANCEMENT (7.5 - 10.0 FT. BELOW GRADE).

NOTE:
- SAND.
- SAND AND GRAVEL.

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 1.20 ft. above grade to 3.80 ft. below grade, 0.010 slotted screen between 3.80 to 8.80 feet below grade, packed with native soil using trackhoe.

DRAWING: ROMERO GC A 1-MW1X.SKF | DATE: 11/07/05 | DWN BY: NJV

FIGURE 4

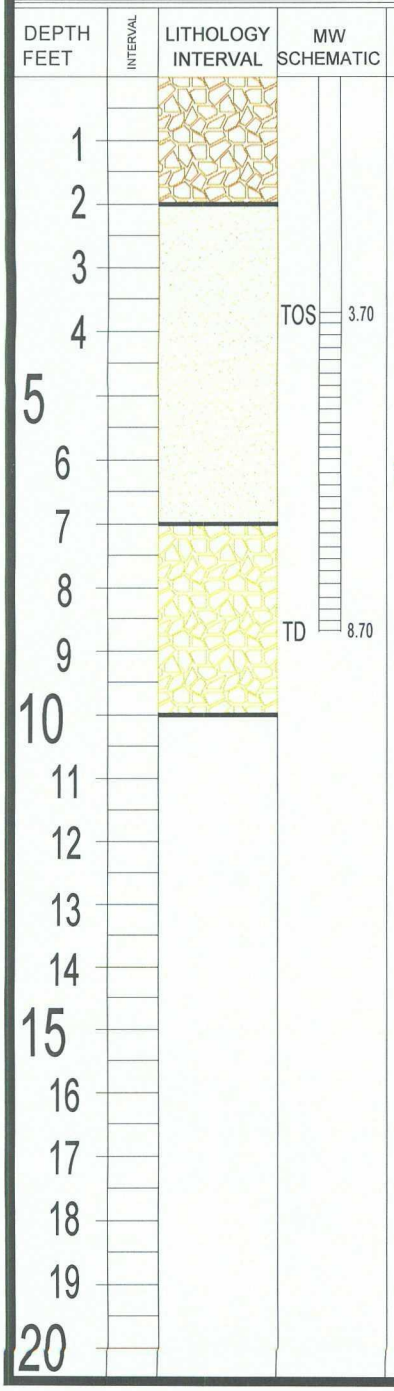
BLAGG ENGINEERING, INC.

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

BORE / TEST HOLE REPORT

CLIENT:	XTO ENERGY INC.
LOCATION NAME:	ROMERO GC A #1 - SEPARATOR PIT, UNIT K, SEC. 27, T29N, R10W
CONTRACTOR:	BLAGG ENGINEERING, INC. / PAUL & SONS, INC.
EQUIPMENT USED:	TRACKHOE
BORING LOCATION:	143 FT., S67.5W FROM WELL HEAD.

BORING #.....	BH - 2
MW #.....	2X
PAGE #.....	2
DATE STARTED	7/28/03
DATE FINISHED	7/28/03
OPERATOR.....	RM
PREPARED BY	NJV



FIELD CLASSIFICATION AND REMARKS

GROUND SURFACE

TOP OF CASING APPROX. 1.30 FT. ABOVE GROUND SURFACE.

DARK YELLOWISH BROWN SAND AND GRAVEL, NON COHESIVE, FIRM TO LOOSE, DRY TO SLIGHTLY MOIST, NO APPARENT HC ODOR DETECTED PHYSICALLY WITHIN SOIL FROM TRACKHOE ADVANCEMENT (0.0 - 2.0 FT. BELOW GRADE).

DARK YELLOWISH BROWN SAND, NON COHESIVE, SLIGHTLY MOIST TO SATURATED, FIRM TO LOOSE, NO APPARENT HC ODOR DETECTED PHYSICALLY WITHIN SOIL FROM TRACKHOE ADVANCEMENT (2.0 - 7.0 FT. BELOW GRADE).

▼ GW DEPTH ON 8/06/03 = 6.62 FT. (APPROX.) FROM GROUND SURFACE.

OLIVE GRAY SAND AND GRAVEL, NON COHESIVE, FIRM TO LOOSE, SATURATED, NO APPARENT HC ODOR DETECTED PHYSICALLY WITHIN SOIL FROM TRACKHOE ADVANCEMENT (7.0 - 10.0 FT. BELOW GRADE).

NOTE:
- SAND.
- SAND AND GRAVEL.

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 1.30 ft. above grade to 3.70 ft. below grade, 0.010 slotted screen between 3.70 to 8.70 feet below grade, packed with native soil using trackhoe.

DRAWING: ROMERO GC A 1-MW2X.SKF | DATE: 11/07/05 | DWN BY: NJV

FIGURE 5

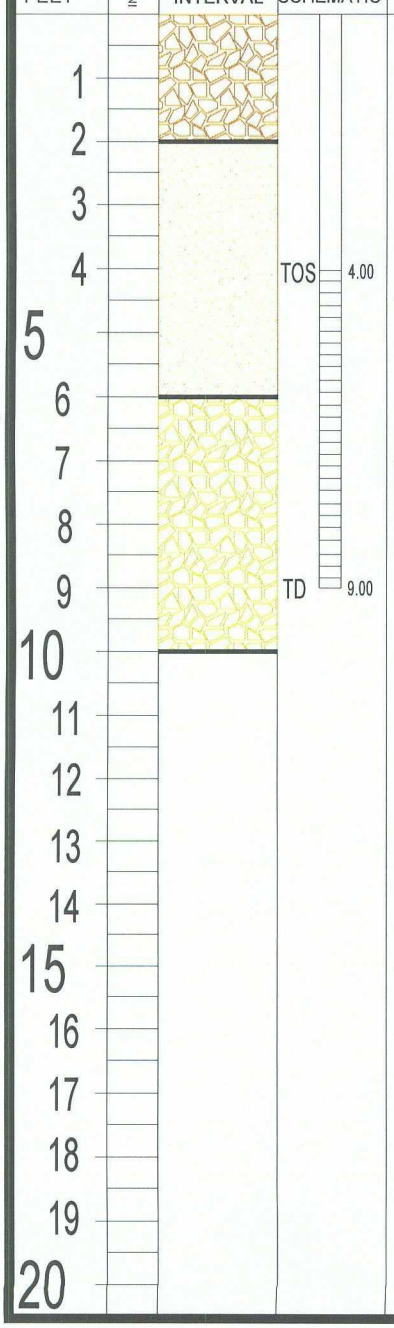
BLAGG ENGINEERING, INC.

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

BORE / TEST HOLE REPORT

CLIENT:	XTO ENERGY INC.
LOCATION NAME:	ROMERO GC A #1 - SEPARATOR PIT, UNIT K, SEC. 27, T29N, R10W
CONTRACTOR:	BLAGG ENGINEERING, INC. / PAUL & SONS, INC.
EQUIPMENT USED:	TRACKHOE
BORING LOCATION:	113 FT., N86W FROM WELL HEAD.

BORING #.....	BH - 3
MW #.....	3X
PAGE #.....	3
DATE STARTED	7/28/03
DATE FINISHED	7/28/03
OPERATOR.....	RM
PREPARED BY	NJV



FIELD CLASSIFICATION AND REMARKS

GROUND SURFACE

TOP OF CASING APPROX. 1.00 FT. ABOVE GROUND SURFACE.

DARK YELLOWISH BROWN SAND AND GRAVEL, NON COHESIVE, FIRM TO LOOSE, DRY TO SLIGHTLY MOIST, NO APPARENT HC ODOR DETECTED PHYSICALLY WITHIN SOIL FROM TRACKHOE ADVANCEMENT (0.0 - 2.0 FT. BELOW GRADE).

DARK YELLOWISH BROWN SAND, NON COHESIVE, SLIGHTLY MOIST TO SATURATED, FIRM TO LOOSE, NO APPARENT HC ODOR DETECTED PHYSICALLY WITHIN SOIL FROM TRACKHOE ADVANCEMENT (2.0 - 6.0 FT. BELOW GRADE).

▼ GW DEPTH ON 8/06/03 = 7.57 FT. (APPROX.) FROM GROUND SURFACE.

OLIVE GRAY SAND AND GRAVEL, NON COHESIVE, FIRM TO LOOSE, SATURATED, NO APPARENT HC ODOR DETECTED PHYSICALLY WITHIN SOIL FROM TRACKHOE ADVANCEMENT (6.0 - 10.0 FT. BELOW GRADE).

NOTE:
- SAND.
- SAND AND GRAVEL.

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 1.00 ft. above grade to 4.00 ft. below grade, 0.010 slotted screen between 4.00 to 9.00 feet below grade, packed with native soil using trackhoe.

DRAWING: ROMERO GC A 1-MW3X.SKF | DATE: 11/07/05 | DWN BY: NJV

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Oct-06*

CLIENT:	XTO Energy	**Client Sample ID:**	Romero Gas Com A1 MW-3X
Lab Order:	0609347	**Collection Date:**	9/25/2006 3:45:00 PM
Project:	XTO Groundwater	**Date Received:**	9/27/2006
Lab ID:	0609347-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						Analyst: **MAP**
Mercury	ND	0.00020		mg/L	1	9/27/2006

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Oct-06*

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

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

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

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: XT0 Groundwater
Work Order: 0609347

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name XTO ENERGY | Date and Time Received: 9/27/2006

Work Order Number 0609347 | Received by AT

Checklist completed by _____ Signature | 9/27/06 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 _____

CHAIN-OF-CUSTODY RECORD

QA / QC Package: Std ☒ Level 4 ☐
Other:

HALL ENVIRONMENTAL ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

Client: Kim Champlin
XTO Energy

Address: 2700 Farmington Ave
Bldg. I ste K
Farmington, NM

Phone #: 505 - 566-7954

Fax #:

Project Name: XTO Ground Water

Project #:

Project Manager: Lisa Winn

Sampler: ALA

Sample Temperature: 4° 2 AT

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative			HEAL No.
					$HgCl_2$	HNO_3	HCl	
09-25-06	1257	GW	McDaniel Gas Com B	1E MW-1			✓	0609347-1
09-25-06	1232	GW	McDaniel Gas Com B	1E MW-2			✓	-2
09-25-06	1340	GW	McDaniel Gas Com B	1E MW-3			✓	-3
09-25-06	1545	GW	Romero Gas Com A	1 MW-3X		✓		-4
09-26-06	0828	GW	Haney Gas Com B	1E MW-1R	✓			-5
09-26-06	0920	GW	Haney Gas Com B	1E MW-2			✓	-6
09-26-06	0928	GW	Haney Gas Com B	1E MW-4			✓	-7
09-26-06	1302	GW	Stedje Gas Com 1	MW-3R			✓	-8
09-26-06	1220	GW	Stedje Gas Com 1	MW-2			✓	-9
09-26-06	1254	GW	Stedje Gas Com 1	MW-1			✓	-10
09-25-06	0700	water	25092006TB01				✓	-11

ANALYSIS REQUEST

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)	8021 B BTEX	Mercury	Temperature		Air Bubbles or Headspace (Y or N)
												✓				
												✓				
												✓				
													✓			
												✓				
												✓				
												✓				
												✓				
												✓				
												✓		✓		
												✓				

Date	Time	Relinquished By: (Signature)	Received By: (Signature)
09-27-06	10:30	Ashley L. Ager	9/27/06 15:57
Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)

Remarks: