

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

Bureau of Land Management
Farmington Field Office

JAN 28 2010

5. Lease Serial No.

NOG 05031735

6. If Indian, Allottee or Tribe Name

NAVAJO

ALLOTMENT

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

XTO Energy Inc.

3a. Address

382 CR 3100 Aztec, NM 87410

3b. Phone No. (include area code)

505/333-3100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL: 2289' FSL X 522' FWL (L) SEC. 26-T25N-R10W

BHL: 700' FSL X 700' FEL

7. If Unit or CA/Agreement, Name and/or No.
NM123278

8. Well Name and No.

ARBOR #22

9. API Well No.

30-045-38029

10. Field and Pool, or Exploratory Area
BASIN FRUITLAND COAL

11. County or Parish, State

SAN JUAN NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other REVISED

DRILLING PROGRAM

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Please see attached revised drilling program.

RCVD FEB 2 '10

OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

MALIA VILLERS

Title PERMITTING TECH.

Signature

Malia Villers

Date 1/28/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Troy L. Sellers

Title

Petroleum Engineer

Date

1/29/2010

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

FFO

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

XTO ENERGY INC.

Arbor #22

APD Data

January 27, 2010

Location: 2289' FSL x 522' FWL Sec 26, T25N, R10W County: San Juan State: New Mexico
Bottomhole Location: 700' FSL x 700' FEL Sec 26, T25N, R10W

GREATEST PROJECTED TVD: 1646'

APPROX GR ELEV: 6639'

GREATEST PROJECTED MD: 5591'

Est KB ELEV: 6651' (12' AGL)

OBJECTIVE: Fruitland Coal

1. MUD PROGRAM:

INTERVAL	0' to 225'	225' to 2192'	2192' to TD
HOLE SIZE	12.25"	8.75"	6.125"
MUD TYPE	FW/Spud Mud	FW/Polymer	Air/Mist
WEIGHT	8.6-9.0	8.4-8.8	NA
VISCOSITY	28-32	28-32	NA
WATER LOSS	NC	NC	NC

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing purposes. Use Fruitland Coal produced water as make-up water for mist fluid. Pump enough fluid to dampen vibration at directional BHA. If directional control is not maintainable in air/mist environment convert to polymer mud.

2. CASING PROGRAM:

Surface Casing: 9.625" casing to be set at $\pm 225'$ in a 12-1/4" hole filled with 9.20 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll ¹	SF Burst ²	SF Ten ³
0'-225'	225'	36.0#	J-55	ST&C	2020	3520	394	8.921	8.765	18.76	32.7	48.6

Intermediate Casing: 7" casing to be set at $\pm 2192'$ MD, 1646' TVD in 8.75" hole filled with 9.20 ppg mud.

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll ¹	SF Burst ²	SF Ten ³
0'-2192	2192'	23.0#	J-55	ST&C	3270	4360	284	6.276	6.151	4.15	5.55	5.63

Production Casing: 4.5" casing to be set at $\pm 5591'$ MD, 1646' TVD in 6.125" hole filled with 8.4 ppg mud.

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll ¹	SF Burst ²	SF Ten ³
2132'-5591'	3459'	10.5	J-55	ST&C	4010	4790	132	4.052	3.927	5.61	6.65	3.63

¹Collapse SF is based on evacuated annulus and hydrostatic at TVD.

²Burst SF is based on evacuated casing and hydrostatic at TVD.

³Tensile SF is based on hanging air weight of casing in a vertical hole at measured depth.

3. WELLHEAD:

- A. Casing Head: WHI QDF System (or equivalent), 9-5/8" x 7", 3,000 psig WP (4,000 psig test) with 9-5/8" 8rnd thread ST&C pin end on bottom and 4-1/2" slips on top.
- B. Tubing Head: WHI W2F (or equivalent), 7.063" nominal, 5,000 psig WP (5,000 psig test), 5-1/2" slip-on or weld-on.

4. CEMENT PROGRAM (Slurry design may change slightly, but the plan is to circulate cement to surface on both casing strings):

- A. Surface: 9.625", 36.0#, J-55, ST&C casing to be set at $\pm 225'$ in 12-1/4" hole.

140 sx of Type III cement (or equivalent) typically containing accelerator and LCM, mixed at 14.5 ppg, 1.39 ft³/sk, & 6.70 gal wtr/sk.

Total slurry volume is 177 ft³, 100% excess of calculated annular volume to 250'.

- B. Production Casing: 7", 23#/ft, J-55, ST&C casing to be set at $\pm 2292'$ MD, 1646' TVD in 8.75" hole.

LEAD:

± 141 sx of Premium Lite FM or CBM Lite typically containing accelerator, LCM, dispersant, and fluid loss additives at 12.1 ppg, 2.22 ft³/sk, & 12.04 gal wtr/sk.

TAIL:

± 100 sx of Type III or V cement typically containing accelerator, LCM, dispersant, and fluid loss additives at 14.2 ppg, 1.48 ft³/sk, & 7.34 gal wtr/sk.

Total estimated slurry volume for the 7" production casing is 461 ft³.

- C. Production Liner: 4.5", 10.5#/ft, J-55, ST&C casing is to be set at 5591' MD, 1646' TVD in 6.125" hole.

The production liner will be set using an uncemented liner hanger. The liner may be tied back to surface during the completion of the well.

Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined from the caliper logs (if available) plus 40%. It will be attempted to circulate cement to the surface.

5. LOGGING PROGRAM:

- A. Mud Logger: A geologic consultant or unmanned mud logging unit will begin logging the well once the surface shoe is drilled out and remain on the well to TD.
- B. Open Hole Logs as follows: Gamma Ray from Surface shoe to TD.

6. FORMATION TOPS:

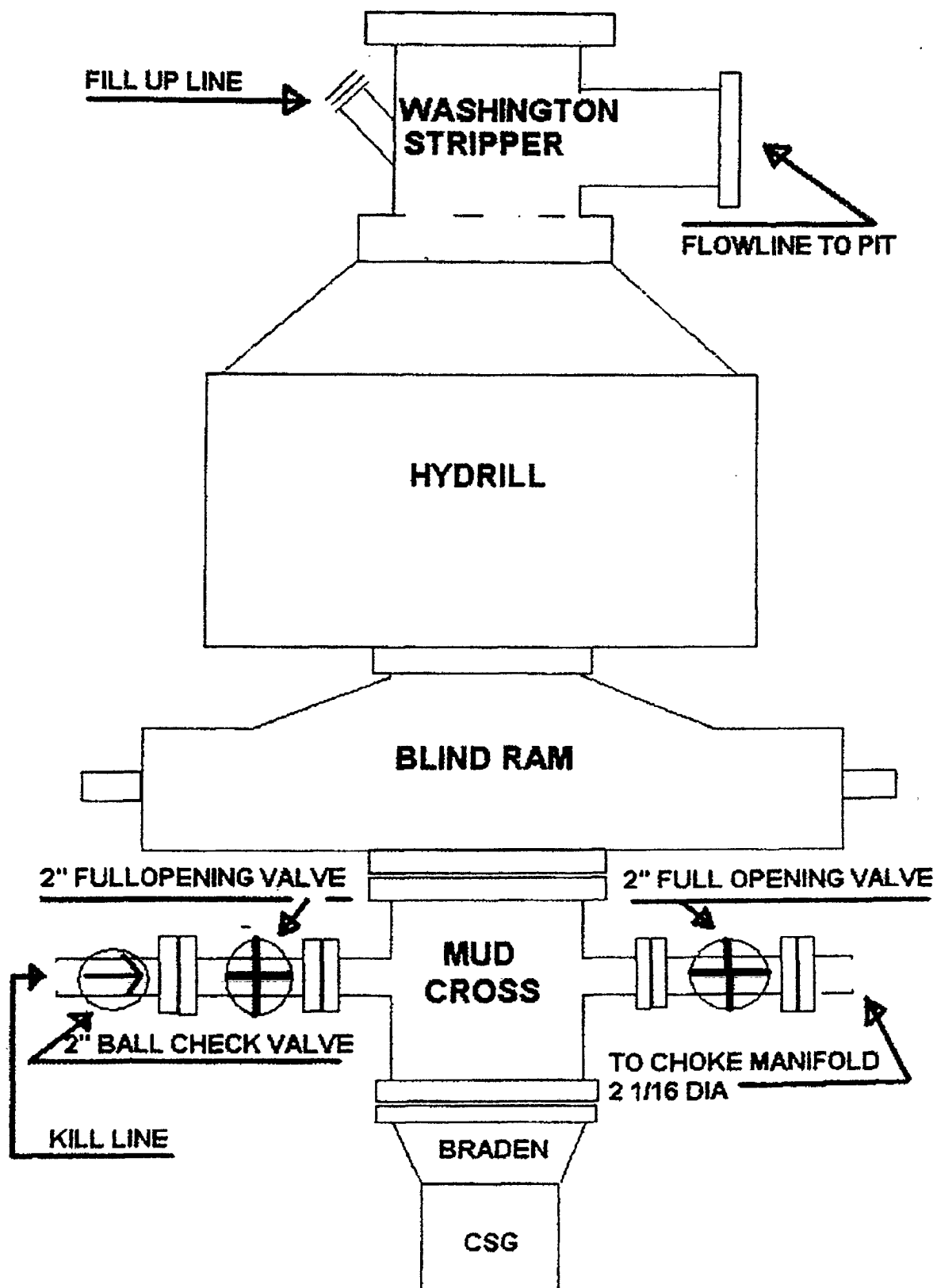
See attached Directional Program.

**** Maximum anticipated BHP should be <2,000 psig (<0.30 psi/ft) ****

7. COMPANY PERSONNEL:

Name	Title	Office Phone	Home Phone
Justin Niederhofer	Drilling Engineer	505-333-3199	505-320-0158
Bobby Jackson	Drilling Superintendent	505-333-3224	505-486-4706
John Klutsch	Project Geologist	817-885-2800	--

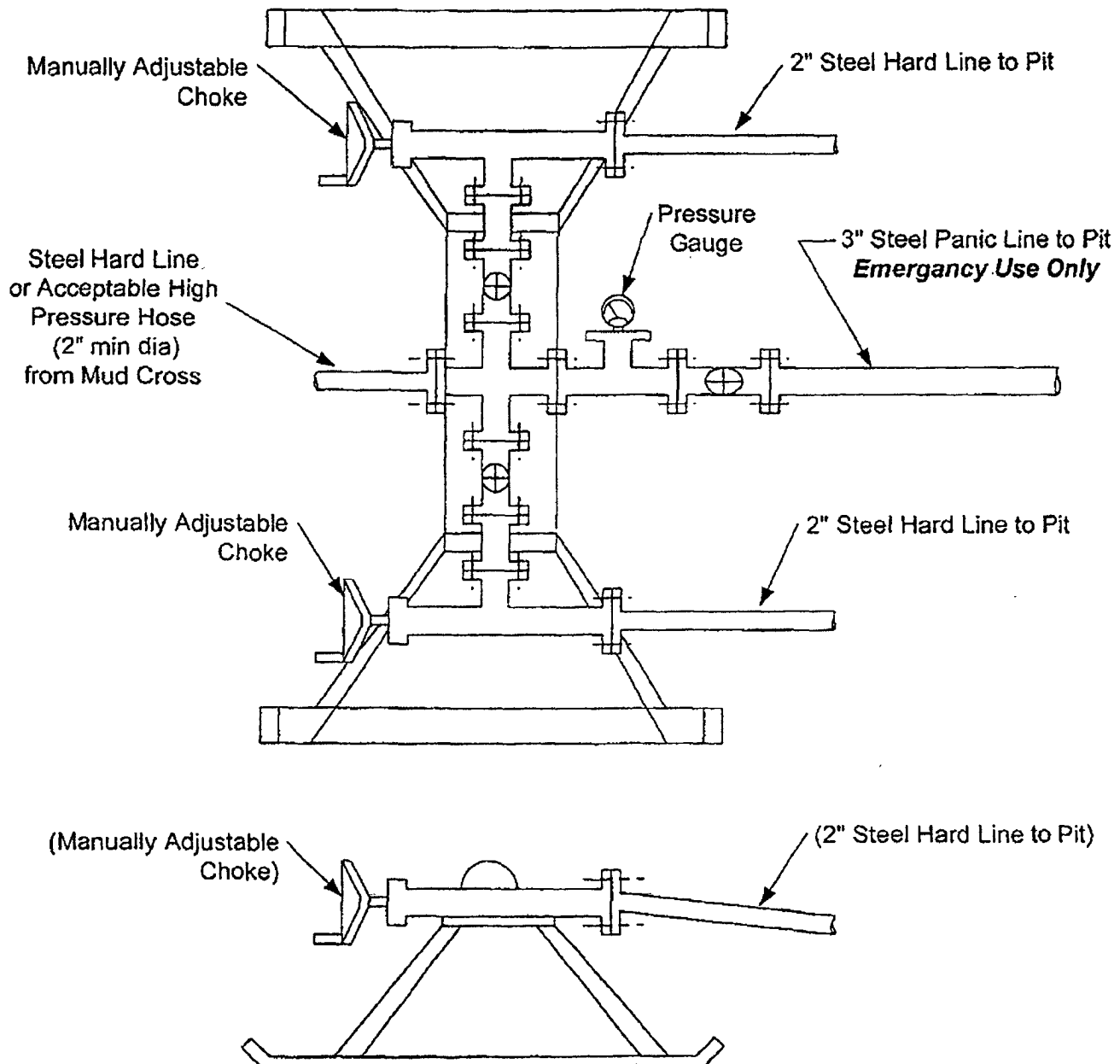
JDN
1/27/10



CHOKE MANIFOLD SCHEMATIC FOR DRILLING OPERATIONS CLASS 1 (2M) NORMAL PRESSURE

1. Stake all lines from choke manifold to pit.
2. Pressure test choke manifold after installation.
3. Pressure test manifold at the same time with the BOP Stack. Test manifold to the same test pressures.

TESTING PROCEDURE



XTO Energy

San Juan Basin (NAD 83)

Arbor #22

Arbor #22

Arbor #22

Plan: Permitted Wellbore

Standard Planning Report

27 January, 2010

XTO Energy Inc.

Planning Report

Database: EDM 2003.21 Single User Db
Company: XTO Energy
Project: San Juan Basin (NAD 83)
Site: Arbor #22
Well: Arbor #22
Wellbore: Arbor #22
Design: Permitted Wellbore

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well Arbor #22
 Rig KB @ 6651.0ft (Aztec 507)
 Rig KB @ 6651.0ft (Aztec 507)
 True
 Minimum Curvature

Project: San Juan Basin (NAD 83), San Juan Co, NM,

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Western Zone
System Datum: Mean Sea Level

Site: Arbor #22, T25N, R10W

Site Position:
From: Lat/Long
Position Uncertainty: 0.0 ft
Northing: 1,954,380.70 ft
Easting: 2,711,336.85 ft
Slot Radius: "
Latitude: 36° 22' 15.922 N
Longitude: 107° 52' 23.743 W
Grid Convergence: -0 02 °

Well: Arbor #22, Horizontal FC

Well Position +N/-S 0.0 ft **Northing:** 1,954,380.70 ft **Latitude:** 36° 22' 15.922 N
 +E/-W 0.0 ft **Easting:** 2,711,336.85 ft **Longitude:** 107° 52' 23.743 W
Position Uncertainty 0.0 ft **Wellhead Elevation:** 6,639.0 ft **Ground Level:** 6,639.0 ft

Wellbore: Arbor #22

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	7/28/2009	10.11	63.18	50,721

Design: Permitted Wellbore

Audit Notes:

Version: **Phase:** PROTOTYPE **Tie On Depth:** 0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	111.35

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
691.1	0.00	0.00	691.1	0.0	0.0	0.00	0.00	0.00	0.00	
2,191.1	90.00	111.35	1,646.0	-347.6	889.4	6.00	6.00	0.00	111.35	
5,591.4	90.00	111.35	1,646.0	-1,585.2	4,056.5	0.00	0.00	0.00	0.00	Permitted BHL--Arbor

XTO Energy Inc. Planning Report

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well Arbor #22
Company:	XTO Energy	TVD Reference:	Rig KB @ 6651.0ft (Aztec 507)
Project:	San Juan Basin (NAD 83)	MD Reference:	Rig KB @ 6651.0ft (Aztec 507)
Site:	Arbor #22	North Reference:	True
Well:	Arbor #22	Survey Calculation Method:	Minimum Curvature
Wellbore:	Arbor #22		
Design:	Permitted Wellbore		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
225.0	0.00	0.00	225.0	0.0	0.0	0.0	0.00	0.00	0.00
9 5/8"									
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
691.1	0.00	0.00	691.1	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.54	111.35	700.0	0.0	0.0	0.0	6.00	6.00	0.00
750.0	3.54	111.35	750.0	-0.7	1.7	1.8	6.00	6.00	0.00
800.0	6.54	111.35	799.8	-2.3	5.8	6.2	6.00	6.00	0.00
812.3	7.28	111.35	812.0	-2.8	7.2	7.7	6.00	6.00	0.00
Ojo Alamo SS									
850.0	9.54	111.35	849.3	-4.8	12.3	13.2	6.00	6.00	0.00
900.0	12.54	111.35	898.3	-8.3	21.2	22.8	6.00	6.00	0.00
924.3	13.99	111.35	922.0	-10.3	26.4	28.3	6.00	6.00	0.00
Kirtland Shale									
950.0	15.54	111.35	946.8	-12.7	32.5	34.9	6.00	6.00	0.00
1,000.0	18.54	111.35	994.6	-18.0	46.1	49.5	6.00	6.00	0.00
1,050.0	21.54	111.35	1,041.6	-24.3	62.1	66.7	6.00	6.00	0.00
1,100.0	24.54	111.35	1,087.6	-31.4	80.3	86.2	6.00	6.00	0.00
1,150.0	27.54	111.35	1,132.5	-39.4	100.8	108.2	6.00	6.00	0.00
1,200.0	30.54	111.35	1,176.2	-48.2	123.4	132.4	6.00	6.00	0.00
1,226.6	32.13	111.35	1,199.0	-53.2	136.3	146.3	6.00	6.00	0.00
Fruitland Formation									
1,250.0	33.54	111.35	1,218.6	-57.9	148.1	159.0	6.00	6.00	0.00
1,300.0	36.54	111.35	1,259.6	-68.3	174.8	187.7	6.00	6.00	0.00
1,350.0	39.54	111.35	1,298.9	-79.5	203.5	218.5	6.00	6.00	0.00
1,400.0	42.54	111.35	1,336.7	-91.5	234.0	251.3	6.00	6.00	0.00
1,450.0	45.54	111.35	1,372.6	-104.1	266.4	286.0	6.00	6.00	0.00
1,500.0	48.54	111.35	1,406.7	-117.4	300.5	322.6	6.00	6.00	0.00
1,550.0	51.54	111.35	1,438.8	-131.4	336.2	360.9	6.00	6.00	0.00
1,600.0	54.54	111.35	1,468.8	-145.9	373.4	400.9	6.00	6.00	0.00
1,650.0	57.54	111.35	1,496.8	-161.0	412.0	442.4	6.00	6.00	0.00
1,700.0	60.54	111.35	1,522.5	-176.6	451.9	485.2	6.00	6.00	0.00
1,750.0	63.54	111.35	1,545.9	-192.7	493.1	529.4	6.00	6.00	0.00
1,800.0	66.54	111.35	1,567.0	-209.2	535.3	574.7	6.00	6.00	0.00
1,850.0	69.54	111.35	1,585.7	-226.1	578.5	621.1	6.00	6.00	0.00
1,900.0	72.54	111.35	1,602.0	-243.3	622.5	668.3	6.00	6.00	0.00
1,950.0	75.54	111.35	1,615.7	-260.8	667.3	716.4	6.00	6.00	0.00
2,000.0	78.54	111.35	1,626.9	-278.5	712.6	765.1	6.00	6.00	0.00
2,021.6	79.83	111.35	1,631.0	-286.2	732.4	786.3	6.00	6.00	0.00
Lower Fruitland Coal									
2,050.0	81.54	111.35	1,635.6	-296.4	758.5	814.4	6.00	6.00	0.00
2,100.0	84.54	111.35	1,641.7	-314.5	804.7	864.0	6.00	6.00	0.00
2,150.0	87.54	111.35	1,645.1	-332.6	851.2	913.9	6.00	6.00	0.00
2,191.1	90.00	111.35	1,646.0	-347.6	889.4	954.9	6.00	6.00	0.00
2,192.3	90.00	111.35	1,646.0	-348.0	890.6	956.2	0.00	0.00	0.00
7"									
2,200.0	90.00	111.35	1,646.0	-350.8	897.7	963.9	0.00	0.00	0.00
2,300.0	90.00	111.35	1,646.0	-387.2	990.9	1,063.9	0.00	0.00	0.00

XTO Energy Inc. Planning Report

Database: EDM 2003.21 Single User Db
Company: XTO Energy
Project: San Juan Basin (NAD 83)
Site: Arbor #22
Well: Arbor #22
Wellbore: Arbor #22
Design: Permitted Wellbore

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well Arbor #22
Rig KB @ 6651.0ft (Aztec 507)
Rig KB @ 6651.0ft (Aztec 507)
True
Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,400.0	90.00	111.35	1,646.0	-423.6	1,084.0	1,163.9	0.00	0.00	0.00
2,500.0	90.00	111.35	1,646.0	-460.0	1,177.2	1,263.9	0.00	0.00	0.00
2,600.0	90.00	111.35	1,646.0	-496.4	1,270.3	1,363.9	0.00	0.00	0.00
2,700.0	90.00	111.35	1,646.0	-532.8	1,363.4	1,463.9	0.00	0.00	0.00
2,800.0	90.00	111.35	1,646.0	-569.2	1,456.6	1,563.9	0.00	0.00	0.00
2,900.0	90.00	111.35	1,646.0	-605.6	1,549.7	1,663.9	0.00	0.00	0.00
3,000.0	90.00	111.35	1,646.0	-642.0	1,642.9	1,763.9	0.00	0.00	0.00
3,100.0	90.00	111.35	1,646.0	-678.4	1,736.0	1,863.9	0.00	0.00	0.00
3,200.0	90.00	111.35	1,646.0	-714.8	1,829.1	1,963.9	0.00	0.00	0.00
3,300.0	90.00	111.35	1,646.0	-751.2	1,922.3	2,063.9	0.00	0.00	0.00
3,400.0	90.00	111.35	1,646.0	-787.6	2,015.4	2,163.9	0.00	0.00	0.00
3,500.0	90.00	111.35	1,646.0	-824.0	2,108.6	2,263.9	0.00	0.00	0.00
3,600.0	90.00	111.35	1,646.0	-860.4	2,201.7	2,363.9	0.00	0.00	0.00
3,700.0	90.00	111.35	1,646.0	-896.8	2,294.8	2,463.9	0.00	0.00	0.00
3,800.0	90.00	111.35	1,646.0	-933.2	2,388.0	2,563.9	0.00	0.00	0.00
3,900.0	90.00	111.35	1,646.0	-969.6	2,481.1	2,663.9	0.00	0.00	0.00
4,000.0	90.00	111.35	1,646.0	-1,006.0	2,574.3	2,763.9	0.00	0.00	0.00
4,100.0	90.00	111.35	1,646.0	-1,042.4	2,667.4	2,863.9	0.00	0.00	0.00
4,200.0	90.00	111.35	1,646.0	-1,078.8	2,760.6	2,963.9	0.00	0.00	0.00
4,300.0	90.00	111.35	1,646.0	-1,115.2	2,853.7	3,063.9	0.00	0.00	0.00
4,400.0	90.00	111.35	1,646.0	-1,151.6	2,946.8	3,163.9	0.00	0.00	0.00
4,500.0	90.00	111.35	1,646.0	-1,188.0	3,040.0	3,263.9	0.00	0.00	0.00
4,600.0	90.00	111.35	1,646.0	-1,224.4	3,133.1	3,363.9	0.00	0.00	0.00
4,700.0	90.00	111.35	1,646.0	-1,260.8	3,226.3	3,463.9	0.00	0.00	0.00
4,800.0	90.00	111.35	1,646.0	-1,297.2	3,319.4	3,563.9	0.00	0.00	0.00
4,900.0	90.00	111.35	1,646.0	-1,333.6	3,412.5	3,663.9	0.00	0.00	0.00
5,000.0	90.00	111.35	1,646.0	-1,370.0	3,505.7	3,763.9	0.00	0.00	0.00
5,100.0	90.00	111.35	1,646.0	-1,406.4	3,598.8	3,863.9	0.00	0.00	0.00
5,200.0	90.00	111.35	1,646.0	-1,442.8	3,692.0	3,963.9	0.00	0.00	0.00
5,300.0	90.00	111.35	1,646.0	-1,479.2	3,785.1	4,063.9	0.00	0.00	0.00
5,400.0	90.00	111.35	1,646.0	-1,515.6	3,878.2	4,163.9	0.00	0.00	0.00
5,500.0	90.00	111.35	1,646.0	-1,552.0	3,971.4	4,263.9	0.00	0.00	0.00
5,591.4	90.00	111.35	1,646.0	-1,585.2	4,056.5	4,355.2	0.00	0.00	0.00

Design Targets

Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Permitted BHL--Arbor #2	- plan hits target	0.00	0.00	1,646.0	-1,585.2	4,056.5	1,952,793.78	2,715,392.66	36° 22' 0.242 N	107° 51' 34.142 W
	- Rectangle (sides W20.0 H20.0 D0.0)									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
225.0	225.0	9 5/8"	9-5/8	12-1/4
2,192.3	1,646.0	7"	7	8-3/4
5,591.4	1,646.0	4 1/2"	4-1/2	6-1/8

XTO Energy Inc.

Planning Report

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well Arbor #22
Company:	XTO Energy	TVD Reference:	Rig KB @ 6651 0ft (Aztec 507)
Project:	San Juan Basin (NAD 83)	MD Reference:	Rig KB @ 6651 0ft (Aztec 507)
Site:	Arbor #22	North Reference:	True
Well:	Arbor #22	Survey Calculation Method:	Minimum Curvature
Wellbore:	Arbor #22		
Design:	Permitted Wellbore		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
812.3	812.0	Ojo Alamo SS		0.00		
924.3	922.0	Kirtland Shale		0.00		
1,226.6	1,199.0	Fruitland Formation		0.00		
2,021.6	1,631.0	Lower Fruitland Coal		0.00		