

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires November 30, 2000

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
XTO Energy Inc.

3a. Address

2700 Farmington Ave., Bldg. K, Ste 1 Farmington, NM 87401505-324-1090

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

415' FNL & 670' FEL, UNIT A SEC 17, T27N, R80W (SURFACE)

3b. Phone No. (include area code)

87401505-324-1090

5. Lease Serial No.

NMNM03380

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

FLORANCE D #10B

9. API Well No.

30-045-31086

10. Field and Pool, or Exploratory Area
BASIN DAKOTA, OTERO CHACRA
BLANCO MESAVERDE, MANCOS

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 ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off
☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity
☐ Casing Repair ☐ New Construction ☐ Recomplete ☒ Other Drill to the
☐ Change Plans ☐ Plug and Abandon ☐ Temporarily Abandon Dakota Formation
☐ Convert to Injection ☐ Plug Back ☐ Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximated 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.)

XTO Energy Inc. request approval to drill the above mentioned well to the Dakota Formation. XTO recently filed and received the APD to directionally drill this well to the Mesaverde Formation. Due to the completion of an offset Dakota well and due to the NMOCD's recent approval for 80 acre infill Dakota wells, it has been determined that this well benefit from being drilled to the deeper Dakota formation.

Please note the XTO would also like to complete or test the ~~Basin~~ (Basin Mancos) formation and downhole commingle the zones if the Gallup is productive.

A new drilling program is attached along with the Dakota/Gallup plats. The new directional drill plan is also attached.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Jeffrey W. Patton

Title

Drilling Engineer

Date 9/10/02

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date 9/13/02

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

Title 18 U.S.C. Section 1001, 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.

(Instructions on reverse)

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
811 South First, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-31086	² Pool Code 97732	³ Pool Name WC BASIN MPACOS
⁴ Property Code	⁵ Property Name FLORANCE D	⁶ Well Number 10B
⁷ OGRID No. 167067	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 6742'

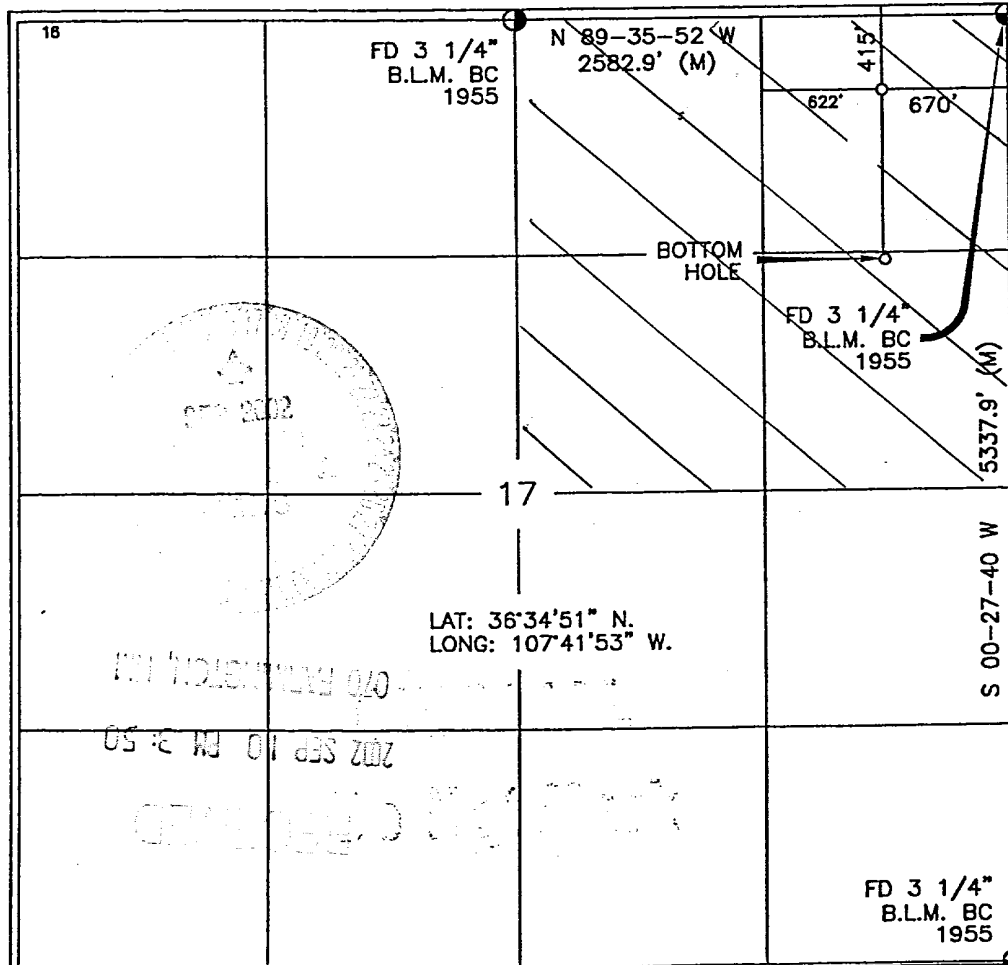
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	27-N	8-W		415'	NORTH	670'	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	17	27-N	8-W		1479'	NORTH	670'	EAST	SAN JUAN
¹² Dedicated Acres 160 NE/4			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein
is true and complete to the best of my knowledge and
belief

Signature Jeffrey W Patton
Printed Name JEFFREY W PATTON
Title DRILLING ENGINEER
Date 9-9-02

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat
was plotted from field notes of actual surveys made by
me or under my supervision, and that the same is true
and correct to the best of my belief.

Date of Survey 9-1-02
Signature and Seal of Professional Surveyor [Signature]
Certificate Number 8894

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
811 South First, Artesia, N.M. 88210

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Revised August 15, 2000

Submit to Appropriate District Office
State Lease - 4 Copies
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OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-31086	² Pool Code 71597	³ Pool Name BASIN DAKOTA
⁴ Property Code	⁵ Property Name FLORANCE D	⁶ Well Number 10B
⁷ OGRID No. 167067	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 6742'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	17	27-N	8-W		415'	NORTH	670'	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	17	27-N	8-W		1695'	NORTH	670'	EAST	SAN JUAN
¹² Dedicated Acres 320 N/Z			¹³ Joint or Infill I		¹⁴ Consolidation Code		¹⁵ Order No.		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16 FD 3 1/4" B.L.M. BC 1955 N 89-35-52 W 2582.9' (M) 622' 670' 415' BOTTOM HOLE FD 3 1/4" B.L.M. BC 1955 5337.9' (M) 17 LAT: 36°34'51" N. LONG: 107°41'53" W. FD 3 1/4" B.L.M. BC 1955		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature <u>Jeffrey W Patton</u> Printed Name <u>JEFFREY W PATTON</u> Title <u>DRILLING ENGINEER</u> Date <u>7-9-02</u>
18 FD 3 1/4" B.L.M. BC 1955 S 00-27-40 W 8894		18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey <u>9-1-02</u> Signature and Seal of Professional Surveyor <u>[Signature]</u> Certificate Number <u>8894</u>

XTO ENERGY INC.

Florance "D" #10B

APD Data

September 10, 2002

Surface Location: 415' FNL & 670' FEL, Sec 17, T27N, R08W County: San Juan State: New Mexico

PROJECTED TOTAL DEPTH: ±7,780' TVD, 7,927' MD OBJECTIVE: Dakota/Mesaverde/Chacra
GR ELEV: 6,744' Est KB ELEV: 6,757' (13' AGL)

1. MUD PROGRAM:

INTERVAL	0' to 265'	265' to 3,250'	3,250' to TD
HOLE SIZE	12-1/4"	8-3/4"	6-1/4"
MUD TYPE	FW/Native Mud	FW/Polymer	Air/Foam
WEIGHT	8.6-8.8	8.6-9.0	
VISCOSITY	28-32	29-34	
WATER LOSS	NC	NC	

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. RU air compressors after setting the intermediate csg. Drill with air or foam to TD.

2. CASING PROGRAM:

Surface Casing: 9-5/8" casing to be set at ± 265' in 8.6 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-265'	265'	32.3#	H-40	STC	1370	2270	254	9.001	8.972	5.98	5.68	15.73

Intermediate Casing: 7" casing to be set at ±3,250' (MD) 3,215' (TVD) in 9.0 ppg mud.

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-3,250' (MD)	3,250'	20.0#	J-55	STC	2257	3740	234	6.456	6.331	1.15	1.31	2.57

Production Casing: 4-1/2" casing to be set at 7,927' MD in mud.

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-7,927'	7,927'	10.5#	J-55	STC	4010	4790	132	4.052	3.927	1.33	1.20	1.90

3. **WELLHEAD:**

- A. Bradenhead: 9-5/8" x 7" 2,000 psig WP (4,000 psig test).
Casinghead: 7" x 4-1/2" 3,000 psig WP (6,000 psig test).

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

- A. Surface: 9-5/8", 32.3#, H-40, STC casing to be set at $\pm 265'$.

Lead: 140 sx of Class "B" (Standard) cement containing 2% CaCl_2 , 1/4 pps celloflake, mixed at 15.6 ppg, 1.18 ft³/sk, & 5.20 gal wtr/sk.

Total slurry volume is 166 ft³, 100% excess of calculated annular volume to 265'.

- B. Intermediate: 7", 20.0#, J-55, STC casing to be set at $\pm 3,250'$ (MD).

Lead: 245 sx of Class "B" (Standard) cement containing $\pm 3\%$ extender, 1/4 pps celloflake and 2% CaCl_2 mixed at 11.4 ppg, 2.88 ft³/sk, 17.89 gal wtr/sx.

Tail: 50 sx of Class "B" (Standard) cement containing 1/4 pps celloflake and 2% CaCl_2 mixed at 15.6 ppg, 1.18 ft³/sk, 5.20 gal wtr/sx.

Total slurry volume is 764 ft³, circulated to surface. This value is 50% (excess) over gage hole volume.

- C. Production: 4-1/2", 10.5#, J-55, STC casing to be set at $\pm 7,675'$.

Lead: 235 sx of Class "H" Premium Lite High Strength (65/35/6), 1/4 pps celloflake, 2% KCl, 0.5% fluidloss, 0.2% dispersant & 2% Phenoseal mixed at 12.5 ppg, 2.01 ft³/sk, 10.12 gal wtr/sx.

Tail: 150 sx of Class "H" Premium cement containing 4% gel (extender), 1/4 pps celloflake, 0.5% fluidloss, 0.2% dispersant and 2% Phenoseal mixed at 14.7 ppg, 1.38 ft³/sk, 6.70 gal wtr/sx..

Total estimated slurry volume for the 4-1/2" production casing is 680 ft³ for $\pm 4,900'$ of fill. Est. TOC should be @ $\pm 3,025'$. 35% (excess) over gage hole volume has been added to the number of sacks indicated..

Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined for the caliper logs plus 35%..

5. **LOGGING PROGRAM:**

- A. Mud Logger: The mud logger will come on the hole from 3,500' to TD (7,927').

- B. Open Hole Logs as follows: Run Dual Induction/MSFL/GR/CAL/SP/CNL/LDT (lithodensity) from TD to the bottom of the intermediate csg (@ $\pm 3,150'$ MD).

6. FORMATION TOPS:

Formation	Subsea Depth	TVD Depth	Well Depth (MD)
Kick Off Point	+5907'	850'	850'
Ojo Alamo SS	+4848'	1909'	1915'
Kirtland Shale	+4731'	2026'	2034'
Farmington Sanstone	+4682'	2075'	2085'
Fruitland Formation	+4182'	2575'	2597'
Lower Fruitland Coal	+3951'	2806'	2833'
Pictured Cliffs SS	+3901'	2856'	2884'
Lewis Shale	+3717'	3040'	3073'
Chacra Sandstone	+2987'	3770'	3820'
Cliffhouse SS	+2317'	4440'	4507'
Menefee	+2196'	4562'	4631'
Point Lookout SS	+1637'	5120'	5203'
Mancos Shale	+1302'	5455'	5546'
Gallup Sandstone	+462'	6295'	6406'
Greenhorn Limestone	-314'	7071'	7201'
Graneros Shale	-376'	7133'	7264'
1 st Dakota	-413'	7170'	7303'
2 nd Dakota	-436'	7193'	7326'
3 rd Dakota*	-486'	7243'	7377'
4 th Dakota*	-543'	7300'	7436'
5 th Dakota*	-582'	7339'	7476'
6 th Dakota*	-638'	7395'	7533'
Burro Canyon Ss	-667'	7424'	7563'
Morrison	-725'	7482'	7622'
Projected TD	-1023'	7780'	7927'

* Anticipated bottomhole pressure for the Dakota Sand is $\pm 1,000$ psig.

7. COMPANY PERSONNEL:

Name	Title	Office Phone	Home Phone
Jeff Patton	Drilling Engineer	505-324-1090	505-632-7882
Dennis Elrod	Drilling Foreman	505-486-6460 cell	505-326-2024
Randy Hosey	Project Geologist	817-885-2398	817-427-2475
Barry Voigt	Reservoir Engineer	817-885-2462	817-540-2092

JWP
9/10/02

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

TESTING PROCEDURE

1. Test BOP after installation:

Pressure test BOP to 200-300
psig (low pressure) for 5 min.

Test BOP to Working Press or
to 70% internal yield of surf csg
(10 min).

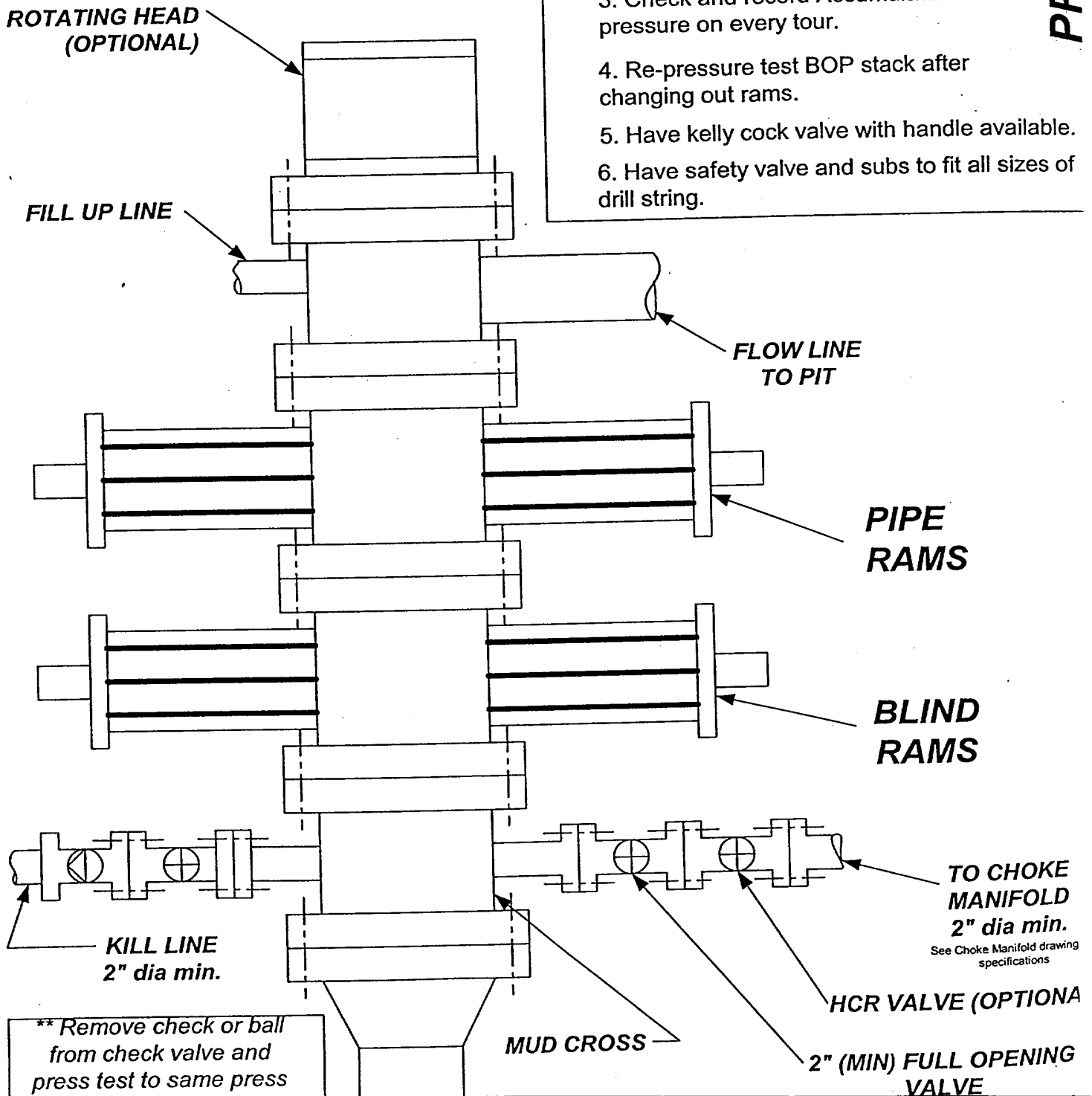
2. Test operation of (both) rams
on every trip.

3. Check and record Accumulator
pressure on every tour.

4. Re-pressure test BOP stack after
changing out rams.

5. Have kelly cock valve with handle available.

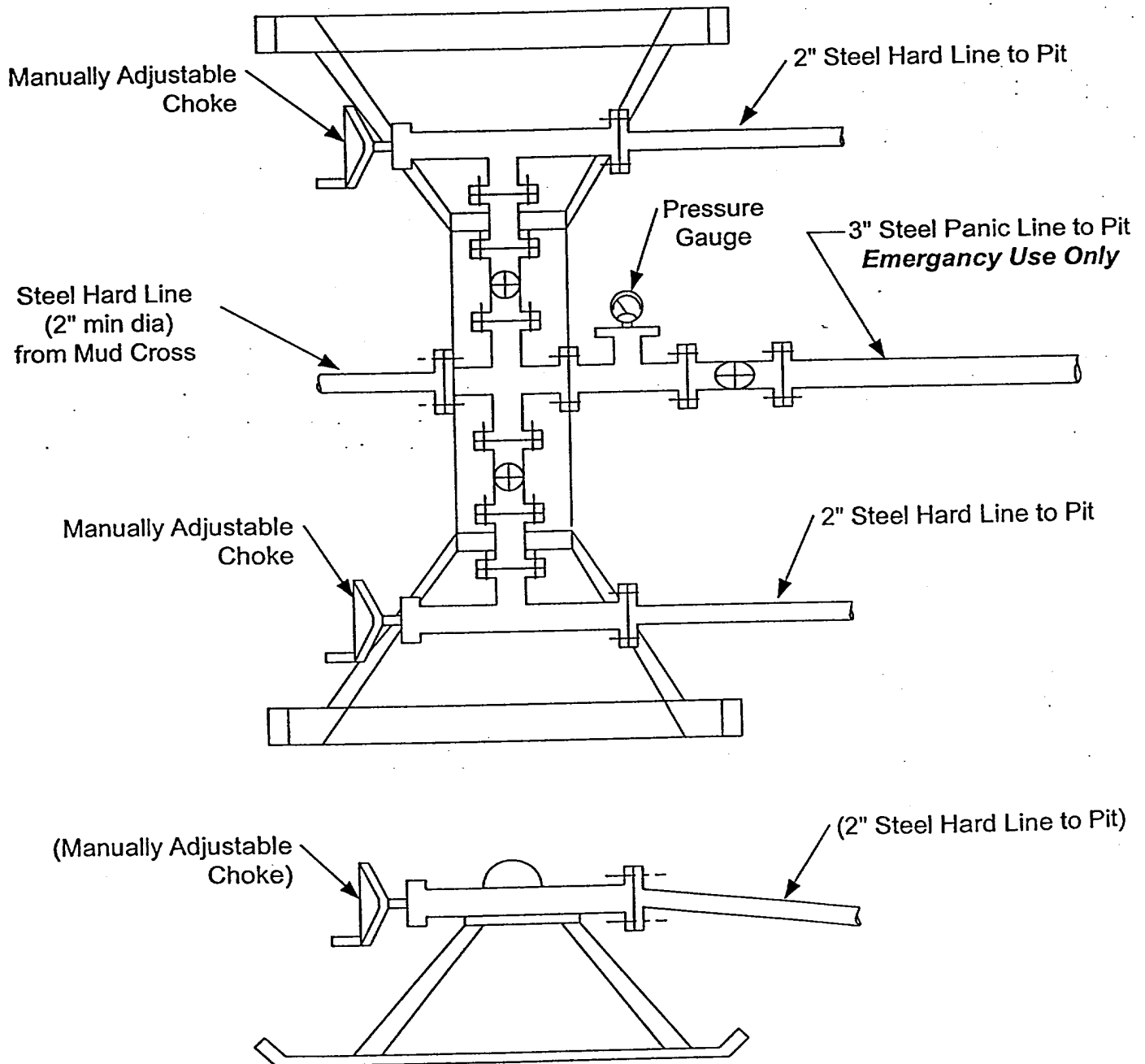
6. Have safety valve and subs to fit all sizes of
drill string.



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





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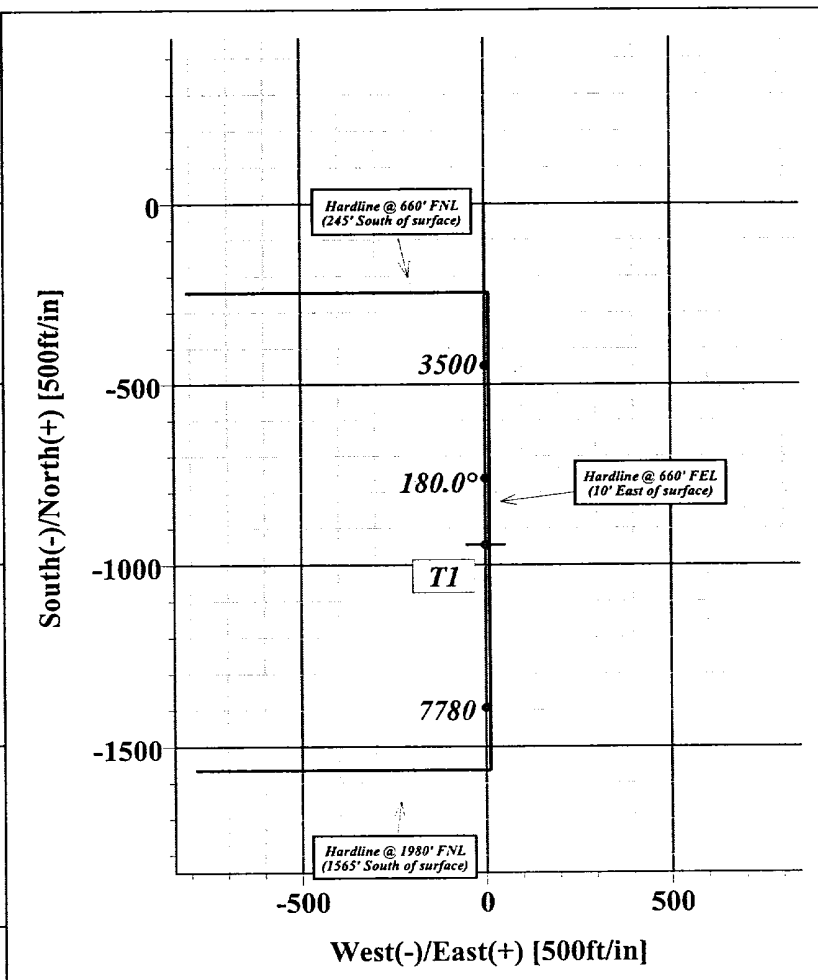
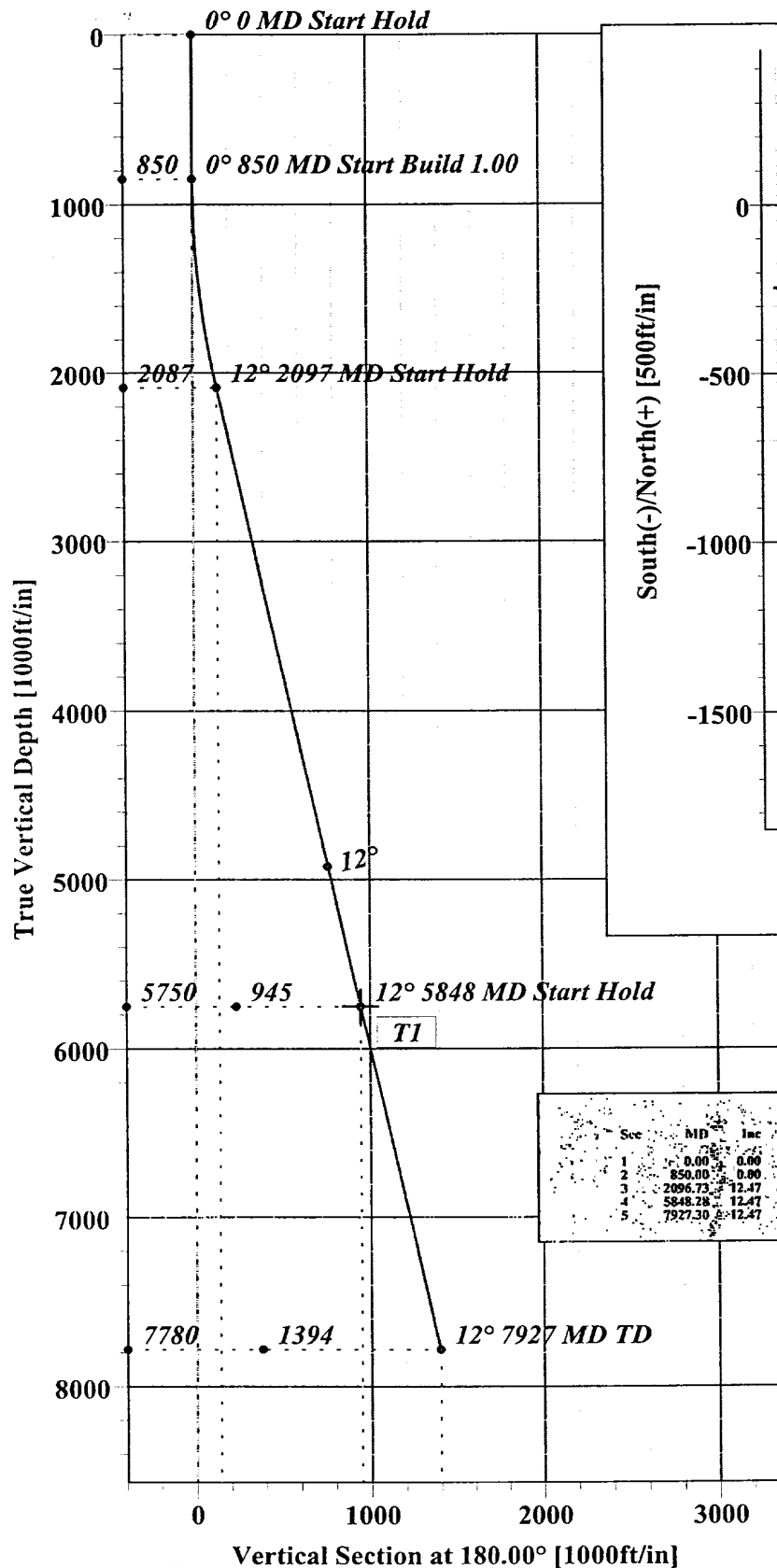
XTO Energy Inc.

Field: San Juan County, NM
Site: Florance D 10B
Well: #10B
Wellpath: OH
Plan: Plan #1



Azimuths to True North
Magnetic North: 11.03°

Magnetic Field
Strength: 51875uT
Dip Angle: 63.58°
Date: 8/27/2002
Model: lgrf2000



TARGET DETAILS				
Name	TVD	EN-S	EW-W	Shape
T1	5750.00	945.00	0.00	Point

SECTION DETAILS									
Sec	MD	Inc	Alt	TVD	EN-S	EW-W	Dip	TFace	VSec
1	0.00	0.00	180.00	0.00	0.00	0.00	0.00	0.00	0.00
2	850.00	0.00	180.00	850.00	0.00	0.00	0.00	0.00	0.00
3	2086.73	12.47	180.00	2086.91	135.11	0.00	1.00	180.00	135.11
4	5848.28	12.47	180.00	5750.00	945.00	0.00	0.00	0.00	945.00
5	7927.30	12.47	180.00	7780.00	1393.82	0.00	0.00	0.00	1393.82

WARNING

This document contains information that is proprietary and confidential to Scientific Drilling. It is to be used by Scientific Drilling or in part to any other party.

Plan: Plan #1 (R188.010)
Created By: Josh Mance Date: 9/2/2002



Scientific Drilling Planning Report

Company: XTO Energy Inc.
Field: San Juan County, NM
Site: Florance D 10B
Well: #10B
Wellpath: OH

Date: 9/6/2002 Time: 10:35:31 Page: 1
Co-ordinate(NE) Reference: Site: Florance D 10B, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,180.00Azi)
Plan: Plan #1

Field: San Juan County, NM

Map System: US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Western Zone
Coordinate System: Site Centre
Geomagnetic Model: igrf2000

Site: Florance D 10B
SHL SEC.17,T27N,R8W 415'FNL & 670'FEL
PBHL 1360'FNL & 670'FNL

Site Position: Northing: ft Latitude:
From: Lease Line Easting: ft Longitude:
Position Uncertainty: 0.00 ft North Reference: True
Ground Level: 0.00 ft Grid Convergence: 0.08 deg

Well: #10B

Slot Name:

Well Position: +N/-S 0.00 ft Northing: 2030701.14 ft Latitude: 36 34 51.000 N
+E/-W 0.00 ft Easting: 539718.95 ft Longitude: 107 41 53.000 W
Position Uncertainty: 0.00 ft

Wellpath: OH

Current Datum: SITE Height 0.00 ft Drilled From: Surface
Magnetic Data: 8/27/2002 Tie-on Depth: 0.00 ft
Field Strength: 51675 nT Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD) +N/-S Mag Dip Angle: 11.03 deg
ft ft ft 63.58 deg
Direction
deg
5750.00 0.00 0.00 180.00

Plan: Plan #1

Date Composed: 8/27/2002
Version: 1
Tied-to: From Surface

Principal: Yes

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
850.00	0.00	180.00	850.00	0.00	0.00	0.00	0.00	0.00	0.00	
2096.73	12.47	180.00	2086.91	-135.11	0.00	1.00	1.00	0.00	180.00	
5848.28	12.47	180.00	5750.00	-945.00	0.00	0.00	0.00	0.00	0.00	T1
7927.30	12.47	180.00	7780.00	-1393.82	0.00	0.00	0.00	0.00	0.00	

Section 1 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
0.00	0.00	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
850.00	0.00	180.00	850.00	0.00	0.00	0.00	0.00	0.00	0.00	180.00

Section 2 : Start Build 1.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
900.00	0.50	180.00	900.00	-0.22	0.00	0.22	1.00	1.00	0.00	0.00
1000.00	1.50	180.00	999.98	-1.96	0.00	1.96	1.00	1.00	0.00	0.00
1100.00	2.50	180.00	1099.92	-5.45	0.00	5.45	1.00	1.00	0.00	0.00
1200.00	3.50	180.00	1199.78	-10.69	0.00	10.69	1.00	1.00	0.00	0.00
1300.00	4.50	180.00	1299.54	-17.66	0.00	17.66	1.00	1.00	0.00	0.00
1400.00	5.50	180.00	1399.16	-26.38	0.00	26.38	1.00	1.00	0.00	0.00
1500.00	6.50	180.00	1498.61	-36.83	0.00	36.83	1.00	1.00	0.00	0.00
1600.00	7.50	180.00	1597.86	-49.02	0.00	49.02	1.00	1.00	0.00	0.00
1700.00	8.50	180.00	1696.89	-62.93	0.00	62.93	1.00	1.00	0.00	0.00
1800.00	9.50	180.00	1795.65	-78.58	0.00	78.58	1.00	1.00	0.00	0.00
1900.00	10.50	180.00	1894.13	-95.94	0.00	95.94	1.00	1.00	0.00	0.00
2000.00	11.50	180.00	1992.29	-115.02	0.00	115.02	1.00	1.00	0.00	0.00



Scientific
Drilling

Scientific Drilling Planning Report

Company: XTO Energy Inc.
Field: San Juan County, NM
Site: Florance D 10B
Well: #10B
Wellpath: OH

Date: 9/6/2002 Time: 10:35:31 Page: 2
Co-ordinate(NE) Reference: Site: Florance D 10B, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,180.00Azi)
Plan: Plan #1

Section 2 : Start Build 1.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2096.73	12.47	180.00	2086.91	-135.11	0.00	135.11	1.00	1.00	0.00	0.00

Section 3 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2100.00	12.47	180.00	2090.11	-135.81	0.00	135.81	0.00	0.00	0.00	0.00
2200.00	12.47	180.00	2187.75	-157.40	0.00	157.40	0.00	0.00	0.00	0.00
2300.00	12.47	180.00	2285.39	-178.99	0.00	178.99	0.00	0.00	0.00	0.00
2400.00	12.47	180.00	2383.03	-200.58	0.00	200.58	0.00	0.00	0.00	0.00
2500.00	12.47	180.00	2480.68	-222.17	0.00	222.17	0.00	0.00	0.00	0.00
2600.00	12.47	180.00	2578.32	-243.75	0.00	243.75	0.00	0.00	0.00	0.00
2700.00	12.47	180.00	2675.96	-265.34	0.00	265.34	0.00	0.00	0.00	0.00
2800.00	12.47	180.00	2773.60	-286.93	0.00	286.93	0.00	0.00	0.00	0.00
2900.00	12.47	180.00	2871.24	-308.52	0.00	308.52	0.00	0.00	0.00	0.00
3000.00	12.47	180.00	2968.89	-330.11	0.00	330.11	0.00	0.00	0.00	0.00
3100.00	12.47	180.00	3066.53	-351.70	0.00	351.70	0.00	0.00	0.00	0.00
3200.00	12.47	180.00	3164.17	-373.28	0.00	373.28	0.00	0.00	0.00	0.00
3300.00	12.47	180.00	3261.81	-394.87	0.00	394.87	0.00	0.00	0.00	0.00
3400.00	12.47	180.00	3359.45	-416.46	0.00	416.46	0.00	0.00	0.00	0.00
3500.00	12.47	180.00	3457.09	-438.05	0.00	438.05	0.00	0.00	0.00	0.00
3600.00	12.47	180.00	3554.74	-459.64	0.00	459.64	0.00	0.00	0.00	0.00
3700.00	12.47	180.00	3652.38	-481.22	0.00	481.22	0.00	0.00	0.00	0.00
3800.00	12.47	180.00	3750.02	-502.81	0.00	502.81	0.00	0.00	0.00	0.00
3900.00	12.47	180.00	3847.66	-524.40	0.00	524.40	0.00	0.00	0.00	0.00
4000.00	12.47	180.00	3945.30	-545.99	0.00	545.99	0.00	0.00	0.00	0.00
4100.00	12.47	180.00	4042.95	-567.58	0.00	567.58	0.00	0.00	0.00	0.00
4200.00	12.47	180.00	4140.59	-589.17	0.00	589.17	0.00	0.00	0.00	0.00
4300.00	12.47	180.00	4238.23	-610.75	0.00	610.75	0.00	0.00	0.00	0.00
4400.00	12.47	180.00	4335.87	-632.34	0.00	632.34	0.00	0.00	0.00	0.00
4500.00	12.47	180.00	4433.51	-653.93	0.00	653.93	0.00	0.00	0.00	0.00
4600.00	12.47	180.00	4531.16	-675.52	0.00	675.52	0.00	0.00	0.00	0.00
4700.00	12.47	180.00	4628.80	-697.11	0.00	697.11	0.00	0.00	0.00	0.00
4800.00	12.47	180.00	4726.44	-718.70	0.00	718.70	0.00	0.00	0.00	0.00
4900.00	12.47	180.00	4824.08	-740.28	0.00	740.28	0.00	0.00	0.00	0.00
5000.00	12.47	180.00	4921.72	-761.87	0.00	761.87	0.00	0.00	0.00	0.00
5100.00	12.47	180.00	5019.37	-783.46	0.00	783.46	0.00	0.00	0.00	0.00
5200.00	12.47	180.00	5117.01	-805.05	0.00	805.05	0.00	0.00	0.00	0.00
5300.00	12.47	180.00	5214.65	-826.64	0.00	826.64	0.00	0.00	0.00	0.00
5400.00	12.47	180.00	5312.29	-848.22	0.00	848.22	0.00	0.00	0.00	0.00
5500.00	12.47	180.00	5409.93	-869.81	0.00	869.81	0.00	0.00	0.00	0.00
5600.00	12.47	180.00	5507.58	-891.40	0.00	891.40	0.00	0.00	0.00	0.00
5700.00	12.47	180.00	5605.22	-912.99	0.00	912.99	0.00	0.00	0.00	0.00
5800.00	12.47	180.00	5702.86	-934.58	0.00	934.58	0.00	0.00	0.00	0.00
5848.28	12.47	180.00	5750.00	-945.00	0.00	945.00	0.00	0.00	0.00	0.00

Section 4 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5900.00	12.47	180.00	5800.50	-956.17	0.00	956.17	0.00	0.00	0.00	0.00
6000.00	12.47	180.00	5898.14	-977.75	0.00	977.75	0.00	0.00	0.00	0.00
6100.00	12.47	180.00	5995.79	-999.34	0.00	999.34	0.00	0.00	0.00	0.00
6200.00	12.47	180.00	6093.43	-1020.93	0.00	1020.93	0.00	0.00	0.00	0.00
6300.00	12.47	180.00	6191.07	-1042.52	0.00	1042.52	0.00	0.00	0.00	0.00
6400.00	12.47	180.00	6288.71	-1064.11	0.00	1064.11	0.00	0.00	0.00	0.00
6500.00	12.47	180.00	6386.35	-1085.70	0.00	1085.70	0.00	0.00	0.00	0.00
6600.00	12.47	180.00	6484.00	-1107.28	0.00	1107.28	0.00	0.00	0.00	0.00
6700.00	12.47	180.00	6581.64	-1128.87	0.00	1128.87	0.00	0.00	0.00	0.00
6800.00	12.47	180.00	6679.28	-1150.46	0.00	1150.46	0.00	0.00	0.00	0.00
6900.00	12.47	180.00	6776.92	-1172.05	0.00	1172.05	0.00	0.00	0.00	0.00
7000.00	12.47	180.00	6874.56	-1193.64	0.00	1193.64	0.00	0.00	0.00	0.00
7100.00	12.47	180.00	6972.20	-1215.22	0.00	1215.22	0.00	0.00	0.00	0.00
7200.00	12.47	180.00	7069.85	-1236.81	0.00	1236.81	0.00	0.00	0.00	0.00



Scientific Drilling Planning Report

Company: XTO Energy Inc.
Field: San Juan County, NM
Site: Florance D 10B
Well: #10B
Wellpath: OH

Date: 9/6/2002 Time: 10:35:31 Page: 3
Co-ordinate(N/E) Reference: Site: Florance D 10B, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,180.00Azi)
Plan: Plan #1

Section 4 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
7300.00	12.47	180.00	7167.49	-1258.40	0.00	1258.40	0.00	0.00	0.00	0.00
7400.00	12.47	180.00	7265.13	-1279.99	0.00	1279.99	0.00	0.00	0.00	0.00
7500.00	12.47	180.00	7362.77	-1301.58	0.00	1301.58	0.00	0.00	0.00	0.00
7600.00	12.47	180.00	7460.41	-1323.17	0.00	1323.17	0.00	0.00	0.00	0.00
7700.00	12.47	180.00	7558.06	-1344.75	0.00	1344.75	0.00	0.00	0.00	0.00
7800.00	12.47	180.00	7655.70	-1366.34	0.00	1366.34	0.00	0.00	0.00	0.00
7900.00	12.47	180.00	7753.34	-1387.93	0.00	1387.93	0.00	0.00	0.00	0.00
7927.30	12.47	180.00	7780.00	-1393.82	0.00	1393.82	0.00	0.00	0.00	0.00

Targets

Name	Description	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec			← Longitude → Deg Min Sec		
T1	-Plan hit target	5750.00	-945.00	0.00	2029756.14	539720.28	36	34	41.655 N	107	41	53.000 W