

State of New Mexico
Energy, Minerals and Natural ResourcesOIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.

30-045-34064

5. Indicate Type of Lease

STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

RCVD JAN 29 '08

7. Lease Name or Unit Agreement Name:

STATE GAS COM BY
OIL CONS. DIV.

8. Well Number

DIST. 3

#3R

9. OGRID Number

5380

10. Pool name or Wildcat

BASIN FRUITLAND COAL

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

XTO Energy Inc.

3. Address of Operator

382 CR 3100 AZTEC, NM 87410 505-333-3100

4. Well Location

Unit Letter F : 2 feet from the 2515 NORTH line and 1935 feet from the WEST lineSection 2 Township 30N Range 13W NMPM NMPM County SAN JUAN

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

5902' GROUND ELEVATION

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐ CHANGE PLANS ☒PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐OTHER: chg to horizontal drill ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐CASING TEST AND CEMENT JOB ☐OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Upon further review, XTO has decided to drill this well horizontally instead of vertically. Please see attached revised C102, drilling program and horizontal plan.

change in states to #3
HOLD C104 FOR directional survey
*as drilled C-102*I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐SIGNATURE Kyla Vaughan TITLE Regulatory Compliance DATE 01/28/2008Type or print name Kyla VaughanE-mail address: kyla_vaughan@xtoenergy.comTelephone No. 505-333-3159

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, DATE FEB 04 2008

Conditions of Approval, if any:

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CFMENT

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

DISTRICT II
1301 W. Grand Ave., Artesia, N.M. 88210

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

DISTRICT IV
1220 South St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34064	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code 22824	⁵ Property Name STATE GAS COM BJ	⁶ Well Number 3R
⁷ GRID No. 5380	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 5902

¹⁰ Surface Location

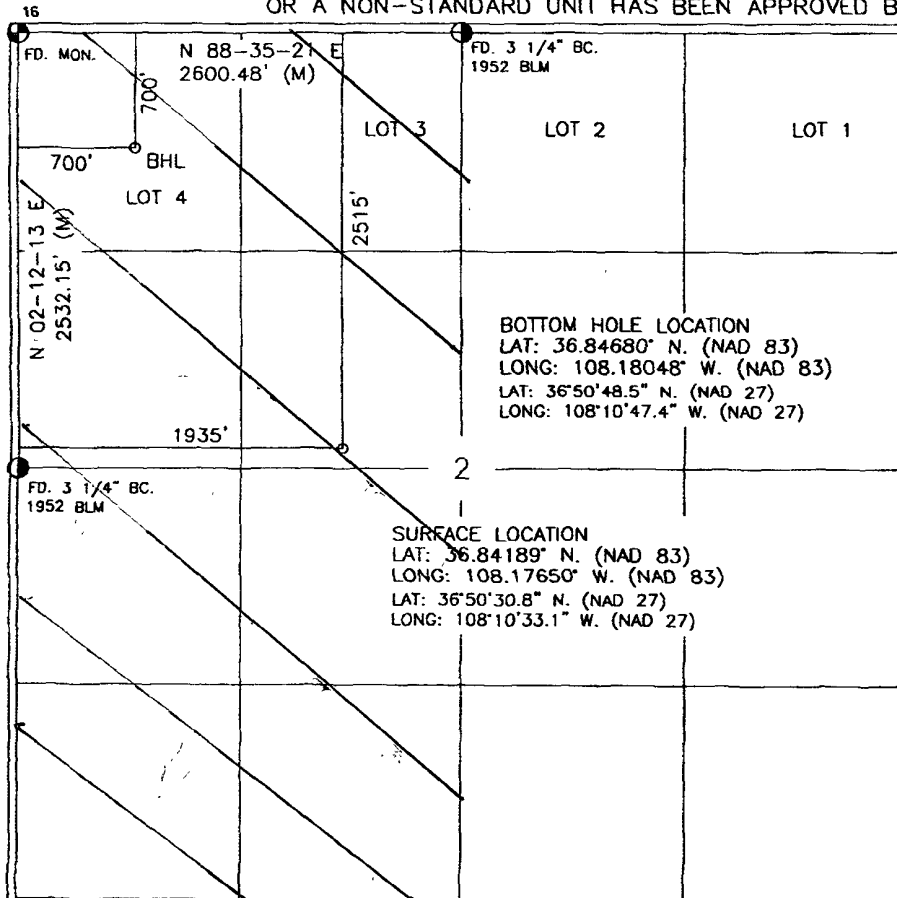
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	2	30-N	13-W		2515	NORTH	1935	WEST	SAN JUAN

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
D	2	30-N	13-W		700	NORTH	700	WEST	SAN JUAN

¹² Dedicated Acres W/2 320	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, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Kyla Vaughan 1/28/08
Signature Date
Kyla Vaughan
Printed Name

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.

AUGUST 11
Date of Survey
Signature and Seal of Professional Surveyor
01/28/08
PROFESSIONAL LAND SURVEYOR
Certificate Number

XTO ENERGY INC.

State Gas Com BJ #3R

APD Data

January 28, 2008

Location: 2515' FNL x 1935' FWL Sec 2, T30N, R13W County: San Juan
Bottomhole Location: 700' FNL x 700' FWL Sec 2, T30N, R13W

State: New Mexico

GREATEST PROJECTED TVD: 1785'

APPROX GR ELEV: 5902'

GREATEST PROJECTED MD: 3680'

Est KB ELEV: 5908' (6' AGL)

OBJECTIVE: Fruitland Coal

1. MUD PROGRAM:

INTERVAL	0' to 225'	225' to 2055'	2055' 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 12.25" 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 $\pm 1800'$ MD, 1494' 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'-2055'	2055'	23.0#	J-55	ST&C	3270	4360	284	6.276	6.151	4.58	6.10	6.86

Production Casing: 4.5" casing to be set at $\pm 5125'$ MD, 1494' 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
1990'-3680'	1690'	10.5	J-55	ST&C	4010	4790	132	4.052	3.927	6.14	6.70	3.78

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.

102 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 141 ft³, 100% excess of calculated annular volume to 300'.

- B. Production Casing: 7", 23#/ft, J-55, ST&C casing to be set at $\pm 2055'$ MD, 1785' TVD in 8.75" hole.

LEAD:

± 124 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 423 ft³.

- C. Production Liner: 4.5", 10.5#/ft, J-55, ST&C casing is to be set at 3680' MD, 1785' 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 Plan.

7. **COMPANY PERSONNEL:**

Name	Title	Office Phone	Home Phone
Justin Niederhofer	Drilling Engineer	505-333-3199	505-320-0158
Jerry Lacy	Drilling Superintendent	505-333-3177	505-320-6543
John Klutsch	Project Geologist	817-885-2800	--

JN

1/28/08

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 10 min.

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

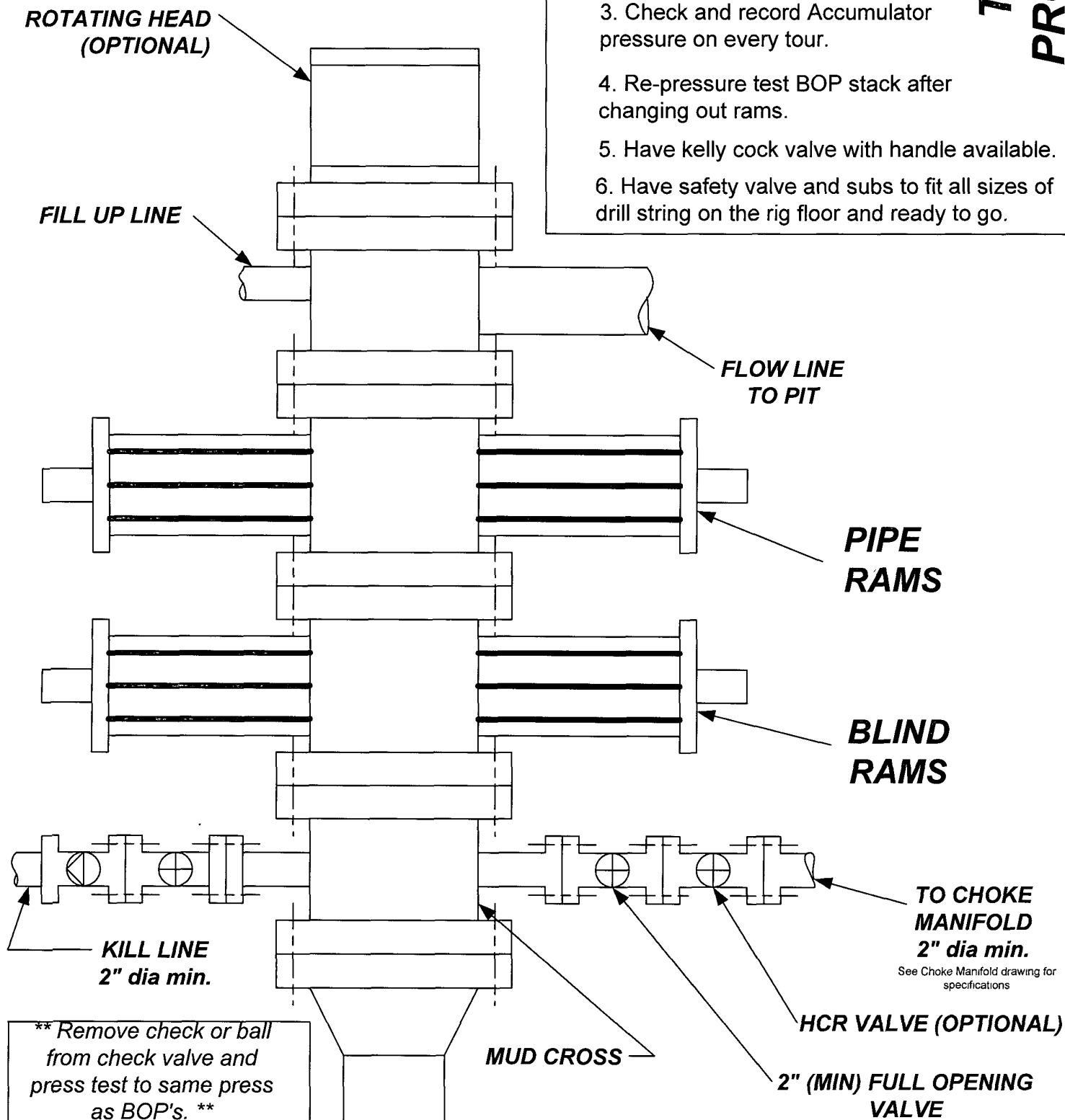
2. Test operation of (both) rams on every trip.

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.

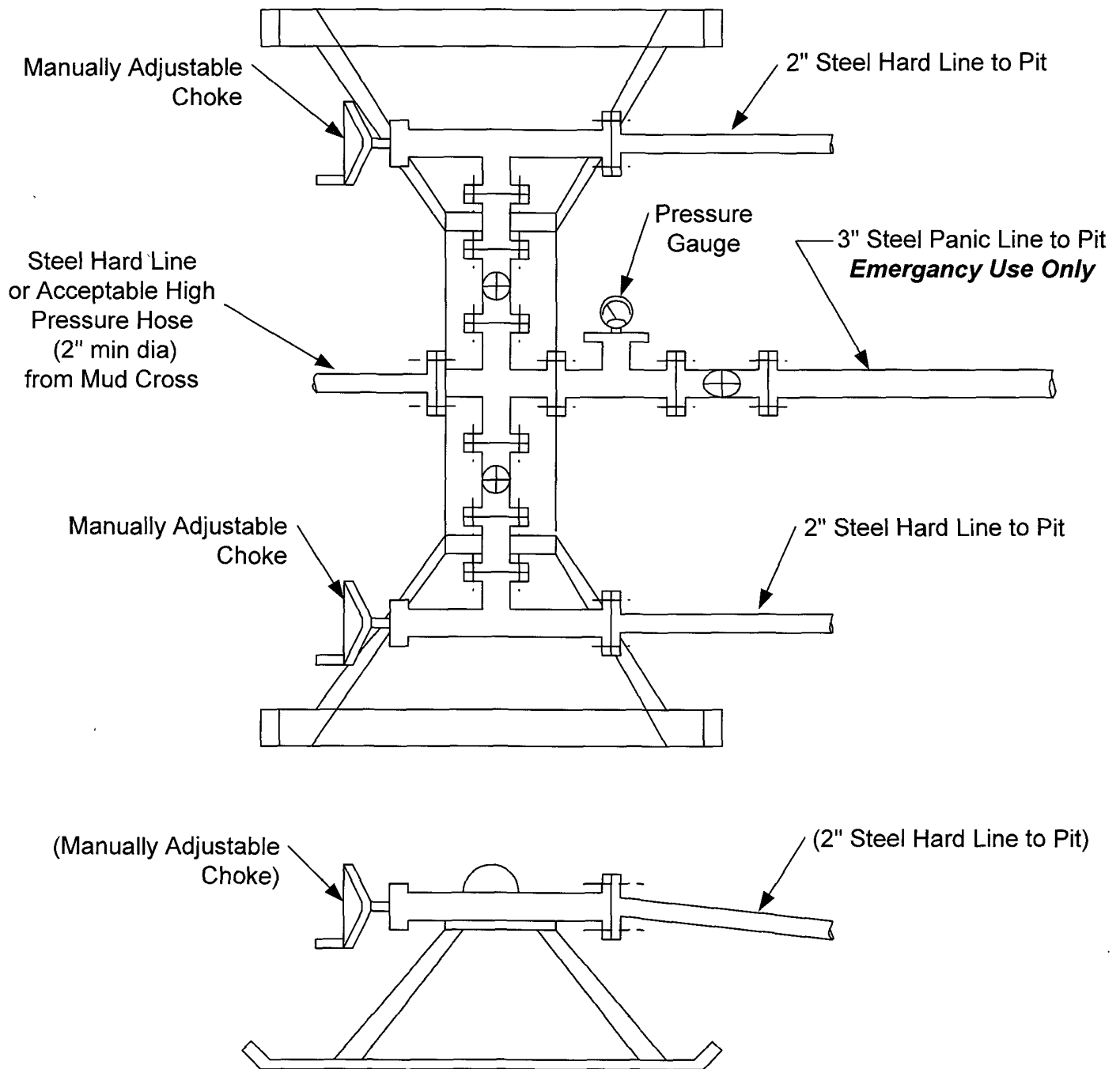
6. Have safety valve and subs to fit all sizes of drill string on the rig floor and ready to go.



CHOKES 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)

State Gas Com BJ #3R

State Gas Com BJ #3R

State Gas Com BJ #3R

Plan: Permitted Wellbore

Standard Planning Report

15 January, 2008

XTO Energy, Inc.
Planning Report

Database:	EDM 2003.14 Single User Db	Local Co-ordinate Reference:	Well State Gas Com BJ #3R
Company:	XTO Energy	TVD Reference:	Rig KB @ 5914.0ft (AWS #507)
Project:	San Juan Basin (NAD 83)	MD Reference:	Rig KB @ 5914.0ft (AWS #507)
Site:	State Gas Com BJ #3R	North Reference:	True
Well:	State Gas Com BJ #3R	Survey Calculation Method:	Minimum Curvature
Wellbore:	State Gas Com BJ #3R		
Design:	Permitted Wellbore		

Project	San Juan Basin (NAD 83), San Juan Co., NM, Directional wells in T30N, R12W (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site	State Gas Com BJ #3R, T30N, R13W				
Site Position:		Northing:	2,125,951.03 ft	Latitude:	36° 50' 30.804 N
From:	Lat/Long	Easting:	2,622,676.94 ft	Longitude:	108° 10' 35.400 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	-0.21 °

Well	State Gas Com BJ #3R, FC Horizontal Well					
Well Position	+N/-S	0 0 ft	Northing:	2,125,951 03 ft	Latitude:	36° 50' 30.804 N
	+E/-W	0 0 ft	Easting:	2,622,676 94 ft	Longitude:	108° 10' 35 400 W
Position Uncertainty		0 0 ft	Wellhead Elevation:	5,902 0 ft	Ground Level:	5,902 0 ft

Wellbore	State Gas Com BJ #3R				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	1/15/2008	10.48	63.56	51,100

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	325.77

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	
912.0	0.00	0.00	912.0	0.0	0.0	0.00	0.00	0.00	0.00	
913.0	0.05	325.77	913.0	0.0	0.0	5.00	5.00	0.00	325.77	
1,712.0	40.00	325.77	1,648.6	221.6	-150.8	5.00	5.00	0.00	0.00	State Gas Com BJ #3
1,713.0	40.15	325.77	1,649.3	222.2	-151.2	15.00	15.00	0.00	0.00	
2,045.3	90.00	325.77	1,785.0	463.6	-315.4	15.00	15.00	0.00	0.00	State Gas Com BJ #3
3,680.0	90.00	325.77	1,785.0	1,815.0	-1,235.0	0.00	0.00	0.00	0.00	State Gas Com BJ #3

XTO Energy, Inc.
Planning Report

Database:	EDM 2003 14 Single User Db	Local Co-ordinate Reference:	Well State Gas Com BJ #3R
Company:	XTO Energy	TVD Reference:	Rig KB @ 5914 0ft (AWS #507)
Project:	San Juan Basin (NAD 83)	MD Reference:	Rig KB @ 5914 0ft (AWS #507)
Site:	State Gas Com BJ #3R	North Reference:	True
Well:	State Gas Com BJ #3R	Survey Calculation Method:	Minimum Curvature
Wellbore:	State Gas Com BJ #3R		
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
700 0	0 00	0 00	700 0	0 0	0 0	0 0	0 00	0 00	0 00
800 0	0 00	0 00	800 0	0 0	0 0	0 0	0 00	0 00	0 00
900 0	0 00	0 00	900 0	0 0	0 0	0 0	0 00	0 00	0 00
912 0	0 00	0 00	912 0	0 0	0 0	0 0	0 00	0 00	0 00
913 0	0 05	325 77	913 0	0 0	0 0	0 0	5 00	5 00	0 00
1,000 0	4 40	325 77	999 9	2 8	-1 9	3 4	5 00	5 00	0 00
1,100 0	9 40	325 77	1,099 2	12 7	-8 7	15 4	5 00	5 00	0 00
1,200 0	14 40	325 77	1,197 0	29 8	-20 3	36 0	5 00	5 00	0 00
1,300 0	19 40	325 77	1,292 6	53 8	-36 6	65 1	5 00	5 00	0 00
1,400 0	24 40	325 77	1,385 4	84 6	-57 6	102 3	5 00	5 00	0 00
1,500 0	29 40	325 77	1,474 5	122 0	-83 0	147 6	5 00	5 00	0 00
1,600 0	34 40	325 77	1,559 4	165 7	-112 7	200 4	5 00	5 00	0 00
1,700 0	39 40	325 77	1,639 3	215 3	-146 5	260 4	5 00	5 00	0 00
1,712 0	40 00	325 77	1,648 6	221 6	-150 8	268 1	5 00	5 00	0 00
State Gas Com BJ #3R -- Requested BHL									
1,713 0	40 15	325 77	1,649 3	222 2	-151 2	268 7	15 00	15 00	0 00
1,725 0	41 95	325 77	1,658 4	228 7	-155 6	276 6	15 00	15 00	0 00
1,750 0	45 70	325 77	1,676 4	243 0	-165 4	293 9	15 00	15 00	0 00
1,762 5	47 57	325 77	1,685 0	250 5	-170 5	303 0	15 00	15 00	0 00
Fruitland Formation									
1,775 0	49 45	325 77	1,693 3	258 3	-175 7	312 4	15 00	15 00	0 00
1,800 0	53 20	325 77	1,708 9	274 4	-186 7	331 9	15 00	15 00	0 00
1,825 0	56 95	325 77	1,723 2	291 3	-198 2	352 4	15 00	15 00	0 00
1,850 0	60 70	325 77	1,736 2	309 0	-210 3	373 8	15 00	15 00	0 00
1,875 0	64 45	325 77	1,747 7	327 4	-222 7	396 0	15 00	15 00	0 00
1,900 0	68 20	325 77	1,757 7	346 3	-235 6	418 8	15 00	15 00	0 00
1,925 0	71 95	325 77	1,766 2	365 7	-248 8	442 3	15 00	15 00	0 00
1,950 0	75 70	325 77	1,773 2	385 6	-262 4	466 4	15 00	15 00	0 00
1,975 0	79 45	325 77	1,778 6	405 7	-276 1	490 8	15 00	15 00	0 00
2,000 0	83 20	325 77	1,782 3	426 2	-290 0	515 5	15 00	15 00	0 00
2,025 0	86 95	325 77	1,784 5	446 8	-304 0	540 4	15 00	15 00	0 00
2,040 9	89 34	325 77	1,785 0	459 9	-312 9	556 3	15 00	15 00	0 00
Top of Fruitland Coal									
2,045 3	90 00	325 77	1,785 0	463 6	-315 4	560 7	15 00	15 00	0 00
2,055 0	90 00	325 77	1,785 0	471 6	-320 9	570 4	0 00	0 00	0 00
7"									
2,100 0	90 00	325 77	1,785 0	508 8	-346 2	615 4	0 00	0 00	0 00
2,200 0	90 00	325 77	1,785 0	591 4	-402 4	715 4	0 00	0 00	0 00
2,300 0	90 00	325 77	1,785 0	674 1	-458 7	815 4	0 00	0 00	0 00
2,400 0	90 00	325 77	1,785 0	756 8	-514 9	915 4	0 00	0 00	0 00
2,500 0	90 00	325 77	1,785 0	839 5	-571 2	1,015 4	0 00	0 00	0 00
2,600 0	90 00	325 77	1,785 0	922 1	-627 5	1,115 4	0 00	0 00	0 00
2,700 0	90 00	325 77	1,785 0	1,004 8	-683 7	1,215 4	0 00	0 00	0 00
2,800 0	90 00	325 77	1,785 0	1,087 5	-740 0	1,315 4	0 00	0 00	0 00

XTO Energy, Inc.
Planning Report

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Site:	State Gas Com BJ #3R	North Reference:	True
Well:	State Gas Com BJ #3R	Survey Calculation Method:	Minimum Curvature
Wellbore:	State Gas Com BJ #3R		
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)
2,900 0	90 00	325 77	1,785 0	1,170.2	-796 2	1,415.4	0 00	0.00	0 00
3,000 0	90 00	325 77	1,785 0	1,252 8	-852 5	1,515 4	0.00	0 00	0 00
3,100 0	90 00	325 77	1,785 0	1,335 5	-908 7	1,615 4	0 00	0 00	0 00
3,200 0	90 00	325.77	1,785 0	1,418 2	-965 0	1,715 4	0 00	0 00	0 00
3,300.0	90 00	325 77	1,785 0	1,500 9	-1,021 3	1,815 4	0.00	0 00	0 00
3,400 0	90.00	325 77	1,785 0	1,583 5	-1,077 5	1,915 4	0 00	0.00	0 00
3,500 0	90 00	325.77	1,785.0	1,666 2	-1,133.8	2,015 4	0 00	0 00	0 00
3,600 0	90 00	325 77	1,785 0	1,748 9	-1,190 0	2,115 4	0.00	0 00	0 00
3,680 0	90 00	325.77	1,785 0	1,815 0	-1,235 0	2,195 4	0 00	0 00	0 00
4 1/2"									

Targets

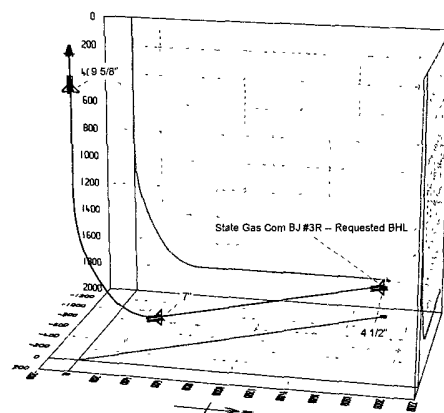
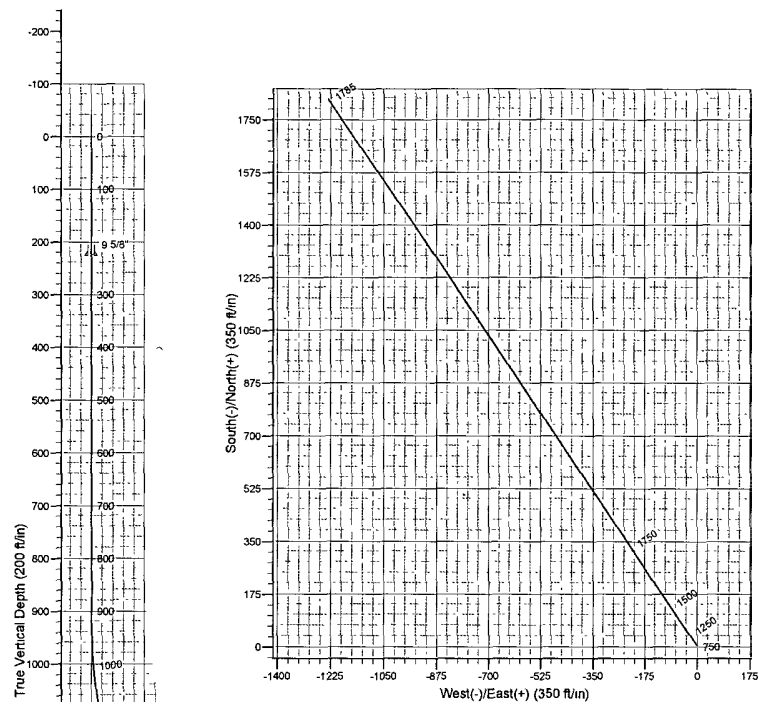
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
State Gas Com BJ #3R	0.00	0 00	1,785 0	1,815 0	-1,235.0	2,127,770 45	2,621,448 47	36° 50' 48 751 N	108° 10' 50 595 W
- plan hits target									
- Rectangle (sides W40.0 H40 0 D11 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
2,055 0	1,785.0	7"	7	8-3/4
3,680.0	1,785 0	4 1/2"	4-1/2	6-1/8

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,762 5	1,685 0	Fruitland Formation		0 00	
2,040 9	1,785 0	Top of Fruitland Coal	Coal	0 00	
	1,796 0	Bottom of Fruitland Coal	Coal	0 00	



Well Name State Gas Com BJ #3R

Plan Description FC Hzi Well

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
State Gas Com BJ #3R -- Requested BHL	1785 0	1815 0	-1235 0	36° 50' 48 751 N 108° 10' 50 595 W	Rectangle (Sides L40 0 W40 0)	

Project San Juan Basin (NAD 83)
 Site State Gas Com BJ #3R
 Well State Gas Com BJ #3R
 Wellbore State Gas Com BJ #3R
 Permitted Wellbore

FORMATION TOP DETAILS

TVDPathMDPath	Formation
1685 0 1762 5	Bottom of Fruitland Coal
1785 0 2040 9	Top of Fruitland Coal

CASING DETAILS

TVD	MD	Name	Size
225 0	225 0	9 5/8"	9-5/8
1785 0	2055 0	7"	7
1785 0	3680 0	4 1/2"	4-1/2

PROJECT DETAILS San Juan Basin (NAD 83)

Geodetic System US State Plane 1983
 Datum North American Datum 1983
 Ellipsoid GRS 1980
 Zone New Mexico Western Zone

System Datum Mean Sea Level

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0 0	0 00	0 00	0 0	0 0	0 0	0 00	0 00	0 0	
2	912 0	0 00	0 00	912 0	0 0	0 0	0 00	0 00	0 0	
3	913 0	0 05	325 77	913 0	0 0	0 0	5 00	325 77	0 0	
4	1712 0	40 00	325 77	1648 6	221 6	-150 8	5 00	0 00	268 1	State Gas Com BJ #3R -- Requested BHL
5	1713 0	40 15	325 77	1649 3	222 2	-151 2	15 00	0 00	268 7	
6	2045 3	90 00	325 77	1785 0	483 6	-315 4	15 00	0 00	560 7	State Gas Com BJ #3R -- Requested BHL
7	73680 0	90 00	325 77	1785 0	1815 0	-1235 0	0 00	0 00	2195 3	State Gas Com BJ #3R -- Requested BHL

