

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

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,

3b. Phone No. (include area code)

505-324-1090

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

885' ENL x 1110' FEL in Sec 9, T26N, R11W Surf
1900' ENL x 2400' FEL in Sec 9, T26N, R11W Bottom

5. Lease Serial No.

NMS-003153

6. If Indian, Allottee or Tribe Name

N/A

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

N/A

8. Well Name and No.

OH Randel #13

9. API Well No.

30-045-32961

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 | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☐ Other |
| ☒ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | <u>horizontal drill</u> |
| ☐ 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 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.)

Upon further engineering review, XTO would is requesting to drill this well horizontally instead of vertical.

Please see attached revised C-102, drilling program and deviated well plan.

2006 FEB 21 PM 2 24
RECEIVED
OTO FARMINGTON NM

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

Kyla Vaughan

Title

Regulatory Compliance Tech

Date 02/16/06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Reg. Eng

Date

6/9/06

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

NMOC

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

OIL CONSERVATION DIVISION

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

Submit to Appropriate District Office

State Lease - 4 Copies
Fee Lease - 3 Copies

2006 FEB 21 PM 2 24
RECEIVED
070 FARMINGTON NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED
REPORT

¹ API Number 30-045-32961	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code 22857	⁵ Property Name OH RANDEL	⁶ Well Number 13
⁷ OGRID No. 167067	⁸ Operator Name XTO Energy, Inc.	⁹ Elevation 6417'

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	9	26W	11W		855	NORTH	1110	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
G	9	26W	11W		1900'	NORTH	2400'	EAST	SAN JUAN

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

Qtr Corner FD 2 1/2" BC 1930 USGLO N-89-46-16W 2635.9' (M) Lat: 36°30'25" N (NAD 27) Long: 108°00'11" W (NAD 27)	855' 1110' Surf Hole Loc	1900' Btm Hole Loc 2400'	N 10-17-35 E 2609.2' (M)	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Holly C. Perkins</i> Signature
				Holly C. Perkins Printed Name Regulatory Compliance Tech Title 6/2/2004 Date
				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. 6/2/2004 Date of Survey
				Original Survey Signed By: JOHN A. VUKONICH 14831 Certificate Number

Jo

XTO ENERGY INC.

OH Randel #13

Sundry Notice

February 15, 2006

Surface Location: 855' FNL x 1110' FEL Sec 9, T26N, R11W

Bottomhole Location: 1900' FNL x 2400' FEL Sec 9, T26N, R11W

County: San Juan Co.

State: New Mexico

GREATEST PROJECTED TVD: 1784'

APPROX GR ELEV: 6417'

GREATEST PROJECTED MD: 3220'

Est KB ELEV: 6429' (12' AGL)

OBJECTIVE: Fruitland Coal

2. CASING PROGRAM:

Surface Casing: 9.625" casing to be set at $\pm 225'$ in a 12-1/4" hole filled with 8.40 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'-225'	225'	36.0#	J-55	ST&C	2020	3520	394	8.921	8.765	20.6	35.8	48.6

Intermediate Casing: 7" casing to be set at $\pm 1950'$ MD, 1765' TVD in a 8.75" 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	SF Burst	SF Ten
0'-1950'	1950'	20#	J-55	ST&C	2270	3740	234	6.456	6.331	2.940	4.850	6.000

Production Casing: 4.5" casing to be set at $\pm 3220'$ MD, 1784' TVD in 6.25" hole filled with 8.40 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'-3220'	3220'	11.6#	J-55	ST&C	4960	5350	154	4	3.875	6.370	6.870	4.120

3. WELLHEAD:

- 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.
- 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 surface and intermediate 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 ¹⁹⁵~~177~~ ft³, 100% excess of calculated annular volume to 225'.

B. Intermediate: 7", 20#/ft, J-55, ST&C casing to be set at $\pm 1950'$ MD, 1765' TVD in 8.75" hole.

LEAD:

± 84.79 sx of Premium Lite High Strength FM + 2% bwow Potassium Chloride + 0.5 lbs/sack Cello Flake + 0.2% bwoc CD-32 + 0.5% bwoc FL-52 + 2% bwoc Pheno Seal (Mixed at 12.5 ppg, 2.01 cuft/sk, 10.55 gal water/sk)

TAIL:

150.00 sx Type III Cement + 0.25 lbs/sack Cello Flake + 0.3% bwoc CD-32 + 0.2% bwoc FL-52 + 5% bwoc A-10 + 2% bwoc Pheno Seal (Mixed at 14.2 ppg, 1.54 cuft/sk, 7.51 gal Water/sk)

Total estimated slurry volume for the 7" production casing is ⁴⁰¹~~428.96~~ ft³.

C. Production: 4.5", 11.6#/ft, K-55, ST&C casing is to be set at 3220' MD, 1784' TVD in 6.25" hole.

The production string will not be cemented in place.

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

6. **FORMATION TOPS:**

Est. KB Elevation: 6429'

FORMATION	TV Sub-Sea	TVD	Measured Depth
Ojo Alamo SS	5654	775	790
Kirtland Shale	5558	871	889
Farmington SS			
Fruitland Formation	5150	1279	1,304
Lower Fruitland Coal*	4629	1800	1837
TD	4645	1784	3137

* Primary Objective

** Secondary Objective

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

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.

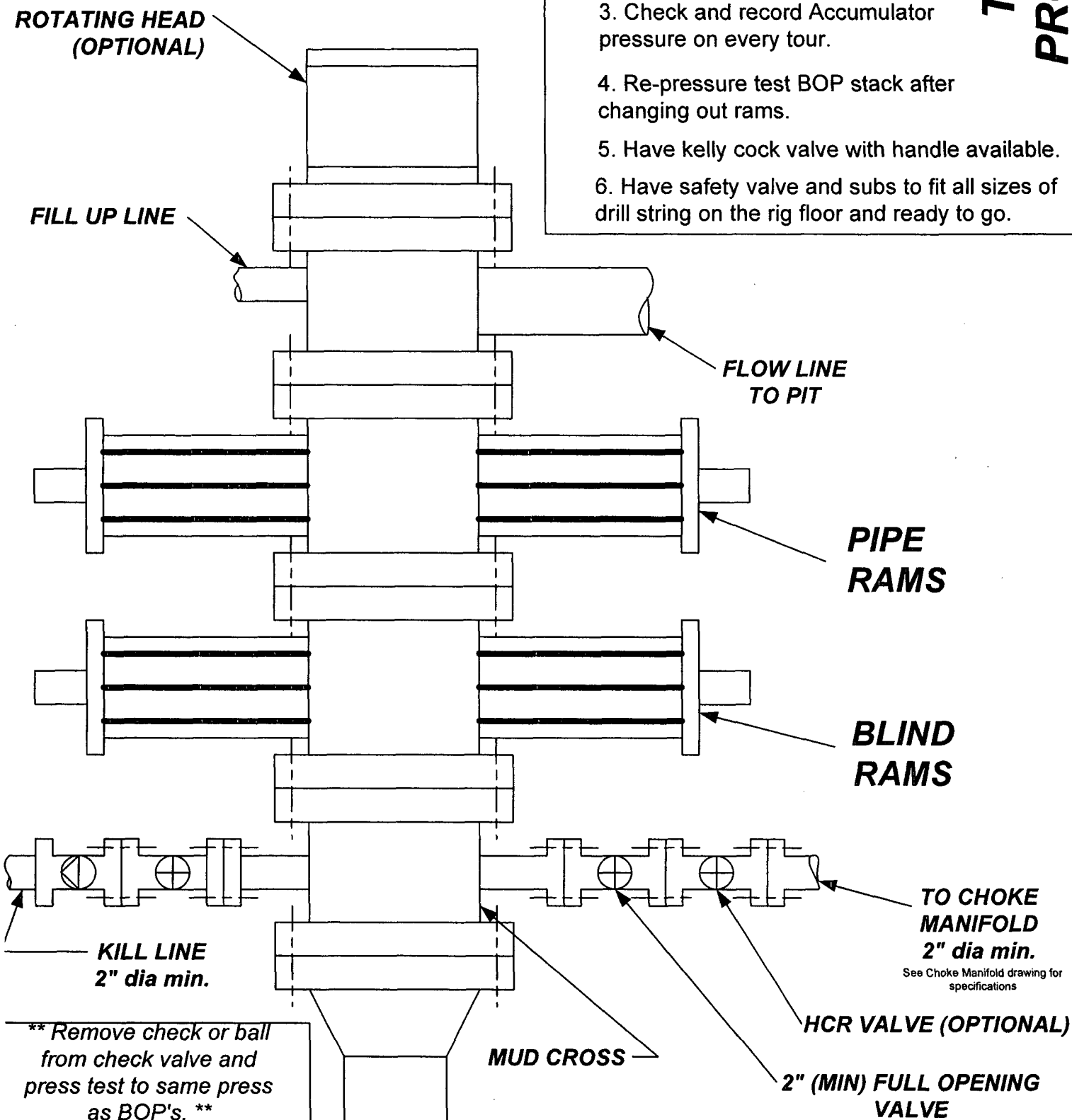
2. Test operation of (both) rams on every trip.

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.

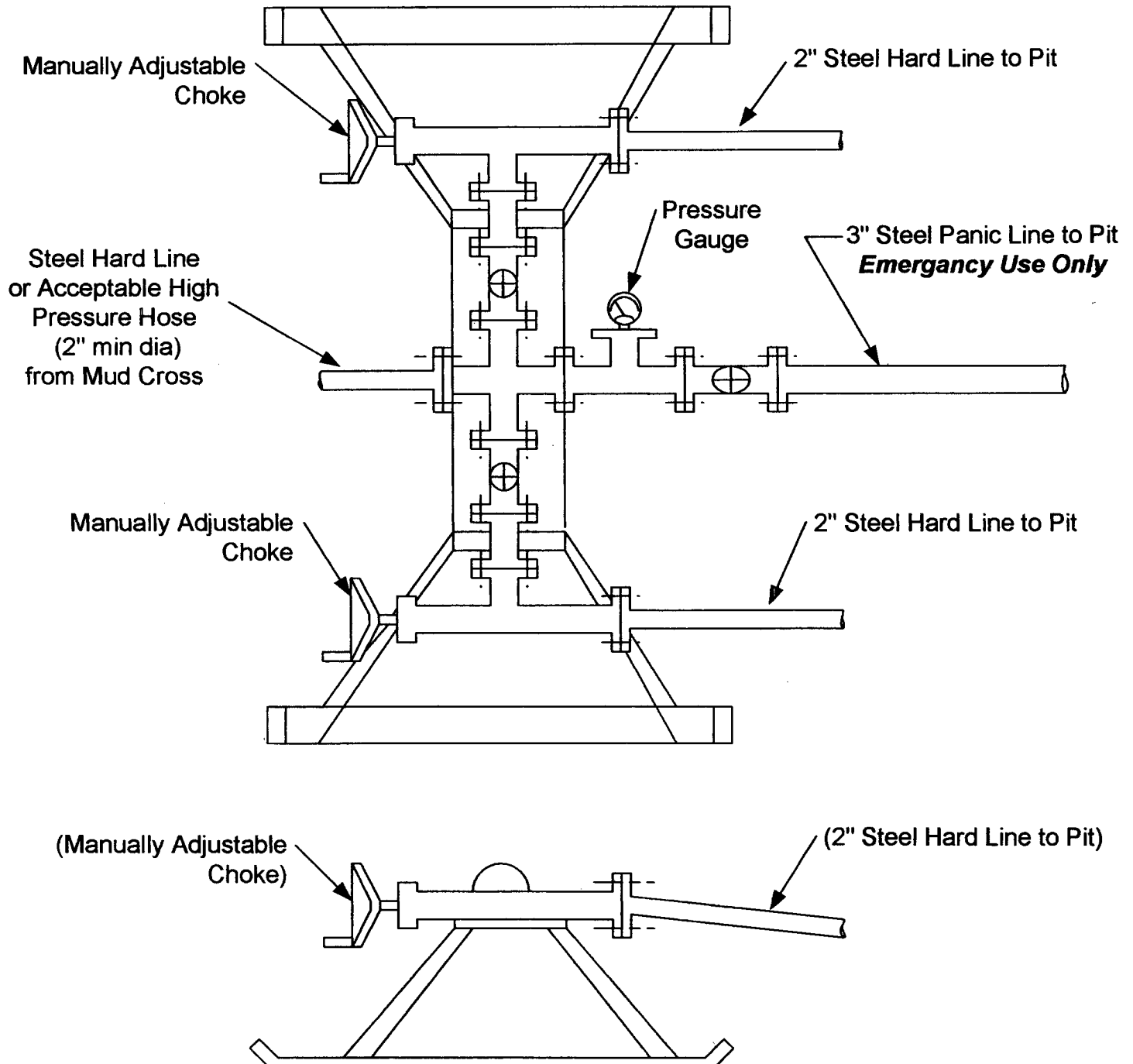
6. Have safety valve and subs to fit all sizes of drill string on the rig floor and ready to go.



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
 Field: San Juan County, NM
 Site: OH Randal #13
 Well: OH Randal #13
 Wellpath: OH
 Plan: Plan #1

COMPANY DETAILS
 XTO Energy
 Calculation Method: Minimum Curvature
 Error System: Systematic Ellipse
 Scan Method: Closest Approach 3D
 Error Surface: Elliptical Conic
 Warning Method: Error Ratio



WELL DETAILS

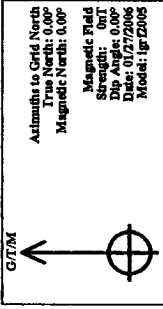
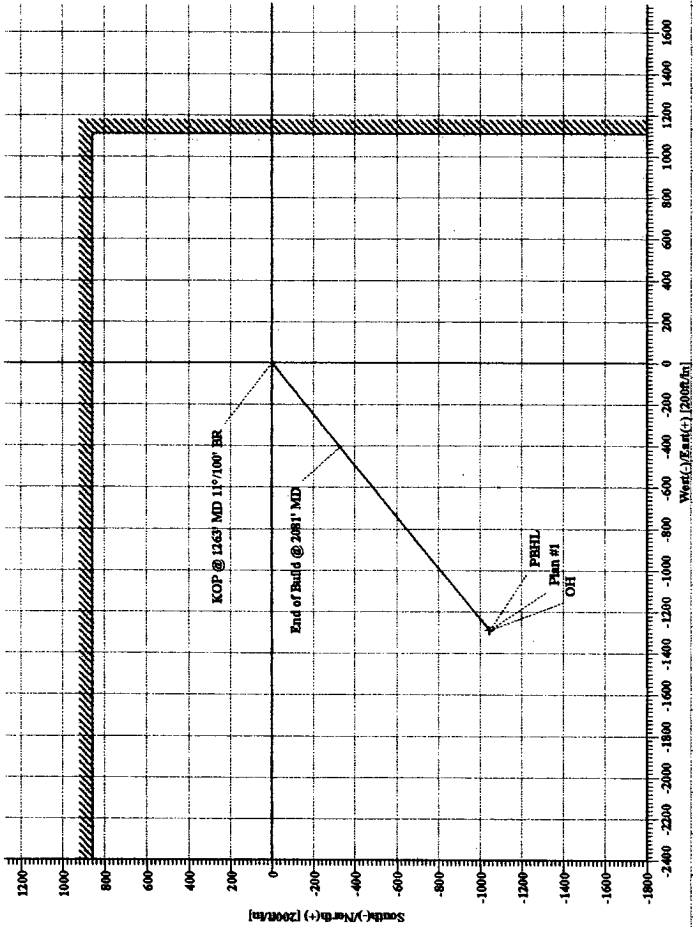
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
OH Randal #13	0.00	0.00	0.00	0.00	30°59'24.512N	105°55'44.137W	N/A

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1263.13	0.00	0.00	1263.13	0.00	0.00	0.00	0.00	0.00	0.00
3	2081.31	90.00	230.99	1784.00	-327.87	-404.73	11.00	230.99	520.87	520.87
4	3220.60	90.00	230.99	1784.00	-1045.00	-1290.00	0.00	0.00	1660.16	1660.16

ANNOTATIONS

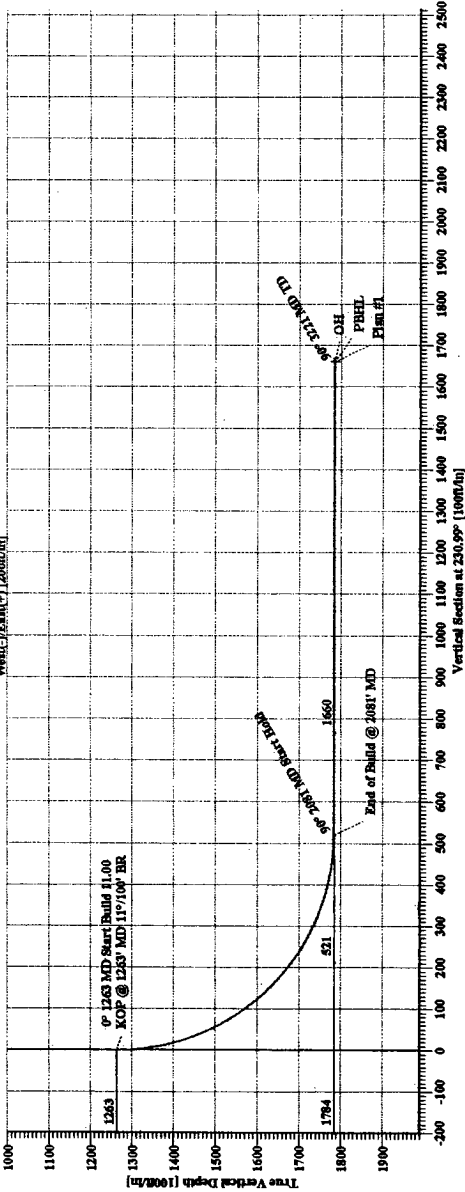
No.	TVD	MD	Annotation
1	1263.13	1263.13	KOP @ 1263' MD 11°/100' BR
2	1784.00	2081.31	End of Build @ 2081' MD



WELLPATH DETAILS

OH

Ref. Datum:	Rig:	SITE	6425.00ft
V. Section Angle	Origin	From TVD	
230.99°	+N/-S	0.00	0.00



SITE DETAILS

OH Randal #13
 Ground Level: 6417.00
 Positional Uncertainty: 0.00
 Curve gauge: 0.00

LEGEND

— OH
 — Plan #1

Plan: Plan #1 (OH Randal #13/OH)

Created By: Matthew Routh

Date: 01/27/2006

PathFinder Energy Services

Pathfinder Lease Lines Report

Company: XTO Energy Field: San Juan County, NM Site: OH Randel #13 Well: OH Randel #13 Wellpath: OH		Date: 01/27/2006 Time: 15:54:30 Page: 1 Co-ordinate(NE) Reference: Well: OH Randel #13, Grid North Vertical (TVD) Reference: SITE 6429.0 Section (VS) Reference: Well (0.00N,0.00E,230.99Azi) Survey Calculation Method: Minimum Curvature Db: Sybase								
Plan: Plan #1 Principal: Yes		Date Composed: 01/27/2006 Version: 1 Tied-to: From Surface								
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, Eastern Zone Coordinate System: Well Centre Geomagnetic Model: igrf2005								
Site: OH Randel #13										
Site Position: From: Lease Line Position Uncertainty: 0.00 ft Ground Level: 6417.00 ft		Northing: ft Easting: ft Latitude: Longitude: North Reference: Grid Grid Convergence: 0.00 deg								
Well: OH Randel #13 Slot Name:										
Well Position: +N/-S 0.00 ft Northing: 0.00 ft +E/-W 0.00 ft Easting: 0.00 ft		Latitude: 30 59 24.512 N Longitude: 105 55 44.137 W								
Position Uncertainty: 0.00 ft										
Wellpath: OH		Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 0.00 deg Mag Dip Angle: 0.00 deg								
Current Datum: SITE Height: 6429.00 ft Magnetic Data: 01/27/2006 Field Strength: 0 nT Vertical Section: Depth From (TVD) ft		+N/-S ft +E/-W ft Direction deg								
0.00		0.00 0.00 230.99								
Casing Points										
MD	TVD	Diameter	Hole Size	Name						
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1263.13	0.00	0.00	1263.13	0.00	0.00	0.00	0.00	0.00	0.00	
2081.31	90.00	230.99	1784.00	-327.87	-404.73	11.00	11.00	0.00	230.99	
3220.60	90.00	230.99	1784.00	-1045.00	-1290.00	0.00	0.00	0.00	0.00	PBHL
Survey										
MD ft	Incl deg	Azim deg	TVD ft	Subsea ft	N/S ft	E/W ft	LLNS ft	LLEW ft		
0.00	0.00	0.00	0.00	-6429.00	0.00	0.00	855.00	1110.00		
100.00	0.00	0.00	100.00	-6329.00	0.00	0.00	855.00	1110.00		
200.00	0.00	0.00	200.00	-6229.00	0.00	0.00	855.00	1110.00		
300.00	0.00	0.00	300.00	-6129.00	0.00	0.00	855.00	1110.00		
400.00	0.00	0.00	400.00	-6029.00	0.00	0.00	855.00	1110.00		
500.00	0.00	0.00	500.00	-5929.00	0.00	0.00	855.00	1110.00		
600.00	0.00	0.00	600.00	-5829.00	0.00	0.00	855.00	1110.00		
700.00	0.00	0.00	700.00	-5729.00	0.00	0.00	855.00	1110.00		
800.00	0.00	0.00	800.00	-5629.00	0.00	0.00	855.00	1110.00		
900.00	0.00	0.00	900.00	-5529.00	0.00	0.00	855.00	1110.00		
1000.00	0.00	0.00	1000.00	-5429.00	0.00	0.00	855.00	1110.00		
1100.00	0.00	0.00	1100.00	-5329.00	0.00	0.00	855.00	1110.00		

PathFinder Energy Services

Pathfinder Lease Lines Report

Company: XTO Energy
Field: San Juan County, NM
Site: OH Randel #13
Well: OH Randel #13
Wellpath: OH

Date: 01/27/2006 **Time:** 15:54:30 **Page:** 2
Co-ordinate(NE) Reference: Well: OH Randel #13, Grid North
Vertical (TVD) Reference: SITE 6429.0
Section (VS) Reference: Well (0.00N,0.00E,230.99Azi)
Survey Calculation Method: Minimum Curvature **Db:** Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	Subsea ft	N/S ft	E/W ft	LLNS ft	LLEW ft
1200.00	0.00	0.00	1200.00	-5229.00	0.00	0.00	855.00	1110.00
1263.13	0.00	0.00	1263.13	-5165.87	0.00	0.00	855.00	1110.00
1300.00	4.06	230.99	1299.97	-5129.03	-0.82	-1.01	855.82	1111.01
1400.00	15.06	230.99	1398.43	-5030.57	-11.25	-13.89	866.25	1123.89
1500.00	26.06	230.99	1491.92	-4937.08	-33.32	-41.13	888.32	1151.13
1600.00	37.06	230.99	1577.00	-4852.00	-66.21	-81.74	921.21	1191.74
1700.00	48.06	230.99	1650.55	-4778.45	-108.72	-134.21	963.72	1244.21
1800.00	59.06	230.99	1709.86	-4719.14	-159.28	-196.62	1014.28	1306.62
1900.00	70.06	230.99	1752.76	-4676.24	-216.03	-266.68	1071.03	1376.68
2000.00	81.06	230.99	1777.67	-4651.33	-276.89	-341.81	1131.89	1451.81
2081.31	90.00	230.99	1784.00	-4645.00	-327.87	-404.73	1182.87	1514.73
2100.00	90.00	230.99	1784.00	-4645.00	-339.63	-419.26	1194.63	1529.26
2200.00	90.00	230.99	1784.00	-4645.00	-402.58	-496.96	1257.58	1606.96
2300.00	90.00	230.99	1784.00	-4645.00	-465.52	-574.66	1320.52	1684.66
2400.00	90.00	230.99	1784.00	-4645.00	-528.47	-652.37	1383.47	1762.37
2500.00	90.00	230.99	1784.00	-4645.00	-591.41	-730.07	1446.41	1840.07
2600.00	90.00	230.99	1784.00	-4645.00	-654.36	-807.77	1509.36	1917.77
2700.00	90.00	230.99	1784.00	-4645.00	-717.30	-885.48	1572.30	1995.48
2800.00	90.00	230.99	1784.00	-4645.00	-780.25	-963.18	1635.25	2073.18
2900.00	90.00	230.99	1784.00	-4645.00	-843.20	-1040.88	1698.20	2150.88
3000.00	90.00	230.99	1784.00	-4645.00	-906.14	-1118.59	1761.14	2228.59
3100.00	90.00	230.99	1784.00	-4645.00	-969.09	-1196.29	1824.09	2306.29
3200.00	90.00	230.99	1784.00	-4645.00	-1032.03	-1273.99	1887.03	2383.99
3220.60	90.00	230.99	1784.00	-4645.00	-1045.00	-1290.00	1900.00	2400.00