

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
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)
835' FSL x 890' FEL in Sec 15, T26N, R11W

5. Lease Serial No.

NMNM03153

6. If Indian, Allottee or Tribe Name

N/A

RCVD NOV 6 '07

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

N/A

OIL CONS. DIV.

8. Well Name and No.

OH Randel #17S

DIST. 3

9. API Well No.

30-045-32950

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 chg from vertical |
| ☒ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | drill to horizontal |
| ☐ 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Upon further review, XTO would like to change the drilling plan on the above listed well from a vertical drill to a horizontal drill. Please see attached revised plat w/BH location and revised drilling plan and horizontal drill plan.

BH: 700' FNL x 1900' FEL

RECEIVED

OCT 30 2007

Bureau of Land Management
Farmington Field Office

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

HOLD C104 FOR

1 directional gravel
2 as drilled C102

3 Change in status to OH Randel #12
4 Change in plans for OH Randel #165 & #17

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

Kyla Vaughan

Title Regulatory Compliance

Signature

Kyla Vaughan

Date

10/24/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Troy L. Salvors

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.

Title PE

Office FFO

Date

11/02/2007

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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 page 2)

NMCCD

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

DISTRICT II
1301 W Grand Avenue, 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 87504-2088

Form C-102

Revised October 12, 2005

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-32950	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code	⁵ Property Name O H RANDEL	⁶ Well Number 17S
⁷ GRID No. 5380	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 6387'

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
P	15	26-N	11-W		835	SOUTH	890	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
B	15	26-N	11-W		700	NORTH	1900	EAST	SAN JUAN

¹² Dedicated Acres 2 320	¹³ Joint or Infit	¹⁴ Consolidation Code	¹⁵ Order No.
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16 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 GLO 1930 700' BHL F_c 1900' BOTTOM HOLE LOCATION LAT: 36.49334° N. (NAD 83) LONG: 107.98876° W. (NAD 83) 15 SURFACE LOCATION LAT: 36°28'59" N. (NAD 27) LONG: 107°59'05" W. (NAD 27) LAT: 36.48312° N. (NAD 83) LONG: 107.98536° W. (NAD 83) QTR. CORNER FD 2 1/2" BC GLO 1930 S 89-06-53 W 2629.4' (M) 835' SEC. CORNER FD 2 1/2" BC GLO 1930 890' N 00-07-28 E 2649.5' (M)	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 undivided 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. <i>Kyla Vaughan</i> 10/24/07 Signature Date Regulatory Compliance Title 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. JUNE 15, 2007 Date of Survey Signature and Seal of <i>KEITH MEYER</i> Professional Land Surveyor 4-07 Certificate Number
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XTO ENERGY INC.

OH Randel #17S

APD Data

October 10, 2007

Location: 835' FSL & 890' FEL, Sec. 15, T26N, R11W County: San Juan

State: New Mexico

Bottomhole Location: 700' FNL & 1900' FEL Sec 15, T26N, R11W

GREATEST PROJECTED TVD: 1692'

APPROX GR ELEV: 6387'

GREATEST PROJECTED MD: 5240'

Est KB ELEV: 6399' (12' AGL)

OBJECTIVE: Fruitland Coal

1. MUD PROGRAM:

INTERVAL	0' to 225'	225' to 1955'	1955' 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 $\pm 1955'$ MD, 1692' 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'-1955'	1955'	23.0#	J-55	ST&C	3270	4360	284	6.366	6.241	4.04	5.39	6.32

Production Casing: 4.5" casing to be set at $\pm 5240'$ MD, 1692' 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
1955'-5240'	3285'	10.5	J-55	ST&C	4010	4790	132	4.052	3.927			

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 225'.
195 ft³

- B. Production Casing: 7", 23#/ft, J-55, ST&C casing to be set at ~~±1800'~~ MD, ~~1494'~~ TVD in 8.75" hole.
± 1955' 1692'

LEAD:

± 105 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 380 ft³.

- C. Production Liner: 4.5", 10.5#/ft, J-55, ST&C casing is to be set at ~~5125'~~ MD, ~~1494'~~ TVD in 6.125" hole.
5240' 1692'

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:**

Please see directional plan for anticipated formation tops.

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

7. **COMPANY PERSONNEL:**

Name	Title	Office Phone	Home Phone
John Egelston	Drilling Engineer	505-564-6734	505-330-6902
Jerry Lacy	Drilling Superintendent	505-566-7917	505-320-6543
John Klutsch	Project Geologist	817-885-2800	--

JWE
10/10/07

XTO Energy

San Juan Basin (NAD 83)

OH Randel #17S

OH Randel #17S ✓

OH Randel #17S

Plan: Sundry'd Wellbore

Standard Planning Report

28 August, 2007

XTO Energy, Inc.

Planning Report

Database: EDM 2003.14 Single User Db
Company: XTO Energy
Project: San Juan Basin (NAD 83)
Site: OH Randel #17S
Well: OH Randel #17S
Wellbore: OH Randel #17S
Design: Sundry'd Wellbore

Local Co-ordinate Reference: Well OH Randel #17S
TVD Reference: Rig KB @ 6399.0ft (AWS #507)
MD Reference: Rig KB @ 6399.0ft (AWS #507)
North Reference: True
Survey Calculation Method: Minimum Curvature

Project: San Juan Basin (NAD 83), San Juan Co, NM, Directional wells in T30N, R12W (NAD 83)

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

Site: OH Randel #17S, T26N, R11W

Site Position: Northing: 1,995,196.44 ft Latitude: 36° 28' 59.232 N
From: Lat/Long Easting: 2,678,399.95 ft Longitude: 107° 59' 7.296 W
Position Uncertainty: 0.0 ft Slot Radius: " Grid Convergence: -0.09 "

Well: OH Randel #17S, Fruitland Coal Horizontal

Well Position: +N/-S 0.0 ft Northing: 1,995,196.44 ft Latitude: 36° 28' 59.232 N
 +E/-W 0.0 ft Easting: 2,678,399.95 ft Longitude: 107° 59' 7.296 W
Position Uncertainty: 0.0 ft Wellhead Elevation: 6,387.0 ft Ground Level: 6,387.0 ft

Wellbore: OH Randel #17S

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	8/14/2007	10.41	63.29	50,956

Design: Sundry'd 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	344.96

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	
819.0	0.00	0.00	819.0	0.0	0.0	0.00	0.00	0.00	0.00	
820.0	0.05	344.96	820.0	0.0	0.0	5.00	5.00	0.00	-15.04	
1,619.0	40.00	344.96	1,555.6	258.9	-69.5	5.00	5.00	0.00	0.00	OH Randel #17S -- R
1,620.0	40.15	344.96	1,556.3	259.5	-69.7	15.00	15.00	0.00	0.00	
1,952.3	90.00	344.96	1,692.0	541.5	-145.5	15.00	15.00	0.00	0.00	OH Randel #17S -- R
5,244.0	90.00	344.96	1,692.0	3,720.5	-999.4	0.00	0.00	0.00	0.00	OH Randel #17S -- R

XTO Energy, Inc.

Planning Report

Database: EDM 2003.14 Single User Db
Company: XTO Energy
Project: San Juan Basin (NAD 83)
Site: OH Randel #17S
Well: OH Randel #17S
Wellbore: OH Randel #17S
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TVD Reference: Rig KB @ 6399.0ft (AWS #507)
MD Reference: Rig KB @ 6399.0ft (AWS #507)
North Reference: True
Survey Calculation Method: 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)
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
668 0	0 00	0.00	668 0	0 0	0 0	0 0	0 00	0 00	0 00
Ojo Alamo SS									
700 0	0 00	0.00	700 0	0 0	0 0	0 0	0 00	0 00	0 00
777 0	0 00	0.00	777 0	0 0	0 0	0 0	0 00	0 00	0 00
Kirtland Shale									
800 0	0 00	0.00	800 0	0 0	0 0	0 0	0 00	0 00	0 00
819 0	0 00	0.00	819 0	0 0	0 0	0 0	0 00	0 00	0 00
820 0	0 05	344.96	820 0	0 0	0 0	0 0	5.00	5 00	0.00
900 0	4 05	344.96	899 9	2 8	-0.7	2 9	5.00	5 00	0.00
1,000 0	9 05	344.96	999 2	13 8	-3.7	14 3	5.00	5 00	0.00
1,100 0	14 05	344.96	1,097 2	33 1	-8.9	34 3	5.00	5.00	0.00
1,136 0	15 85	344.96	1,132 0	42 1	-11.3	43 6	5.00	5 00	0.00
Fruitland Formation									
1,200 0	19 05	344.96	1,193 0	60 6	-16.3	62.8	5.00	5 00	0.00
1,300 0	24 05	344.96	1,286 0	96 1	-25.8	99 5	5.00	5 00	0.00
1,400 0	29 05	344.96	1,375 4	139 2	-37.4	144 2	5.00	5 00	0.00
1,500 0	34 05	344.96	1,460 6	189 7	-51.0	196 5	5.00	5 00	0.00
1,600 0	39 05	344.96	1,540 9	247 2	-66.4	256 0	5.00	5.00	0.00
1,619 0	40 00	344.96	1,555 6	258 9	-69.5	268 1	5.00	5 00	0.00
OH Randel #17S -- Requested BHL									
1,620 0	40 15	344.96	1,556 3	259 5	-69.7	268.7	15.00	15 00	0.00
1,625 0	40 90	344.96	1,560 1	262 7	-70.6	272 0	15.00	15.00	0.00
1,650 0	44 65	344.96	1,578 5	279 1	-75.0	289 0	15.00	15.00	0.00
1,675 0	48 40	344.96	1,595 7	296.6	-79.7	307 1	15.00	15.00	0.00
1,700 0	52 15	344.96	1,611 7	315 2	-84.7	326 3	15.00	15.00	0.00
1,725 0	55 90	344.96	1,626 3	334 7	-89.9	346 6	15.00	15.00	0.00
1,750 0	59 65	344.96	1,639 7	355 1	-95.4	367 7	15.00	15.00	0.00
1,775 0	63 40	344.96	1,651 6	376 3	-101.1	389 7	15.00	15.00	0.00
1,800 0	67 15	344.96	1,662.1	398 3	-107.0	412 4	15.00	15.00	0.00
1,825 0	70 90	344.96	1,671 0	420 8	-113.0	435 7	15.00	15.00	0.00
1,850 0	74 65	344.96	1,678 4	443 9	-119.2	459 6	15.00	15.00	0.00
1,875 0	78 40	344.96	1,684 2	467.3	-125.5	483 9	15.00	15.00	0.00
1,900 0	82 15	344.96	1,688 4	491 1	-131.9	508 5	15.00	15.00	0.00
1,925 0	85 90	344.96	1,691 0	515 1	-138.4	533 4	15.00	15.00	0.00
1,947 9	89 34	344.96	1,692 0	537 2	-144.3	556 3	15.00	15.00	0.00
Lower Fruitland Coal									
1,952 3	90 00	344.96	1,692 0	541 5	-145.5	560 7	15.00	15.00	0.00
1,955 0	90 00	344.96	1,692 0	544 1	-146.1	563 4	0.00	0.00	0.00
7"									
2,000 0	90 00	344.96	1,692 0	587 5	-157.8	608.4	0.00	0.00	0.00
2,100 0	90.00	344.96	1,692 0	684.1	-183.8	708.4	0.00	0.00	0.00
2,200 0	90.00	344.96	1,692 0	780.7	-209.7	808.4	0.00	0.00	0.00
2,300 0	90 00	344.96	1,692 0	877 3	-235.6	908.4	0.00	0.00	0.00
2,400 0	90.00	344.96	1,692 0	973.8	-261.6	1,008.4	0.00	0.00	0.00

XTO Energy, Inc.

Planning Report

Database: EDM 2003.14 Single User Db
Company: XTO Energy
Project: San Juan Basin (NAD 83)
Site: OH Randel #17S
Well: OH Randel #17S
Wellbore: OH Randel #17S
Design: Sundry'd Wellbore

Local Co-ordinate Reference: Well OH Randel #17S
TVD Reference: Rig KB @ 6399.0ft (AWS #507)
MD Reference: Rig KB @ 6399.0ft (AWS #507)
North Reference: True
Survey Calculation Method: 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)
2,500.0	90.00	344.96	1,692.0	1,070.4	-287.5	1,108.4	0.00	0.00	0.00
2,600.0	90.00	344.96	1,692.0	1,167.0	-313.5	1,208.4	0.00	0.00	0.00
2,700.0	90.00	344.96	1,692.0	1,263.6	-339.4	1,308.4	0.00	0.00	0.00
2,800.0	90.00	344.96	1,692.0	1,360.2	-365.4	1,408.4	0.00	0.00	0.00
2,900.0	90.00	344.96	1,692.0	1,456.7	-391.3	1,508.4	0.00	0.00	0.00
3,000.0	90.00	344.96	1,692.0	1,553.3	-417.2	1,608.4	0.00	0.00	0.00
3,100.0	90.00	344.96	1,692.0	1,649.9	-443.2	1,708.4	0.00	0.00	0.00
3,200.0	90.00	344.96	1,692.0	1,746.5	-469.1	1,808.4	0.00	0.00	0.00
3,300.0	90.00	344.96	1,692.0	1,843.0	-495.1	1,908.4	0.00	0.00	0.00
3,400.0	90.00	344.96	1,692.0	1,939.6	-521.0	2,008.4	0.00	0.00	0.00
3,500.0	90.00	344.96	1,692.0	2,036.2	-546.9	2,108.4	0.00	0.00	0.00
3,600.0	90.00	344.96	1,692.0	2,132.8	-572.9	2,208.4	0.00	0.00	0.00
3,700.0	90.00	344.96	1,692.0	2,229.3	-598.8	2,308.4	0.00	0.00	0.00
3,800.0	90.00	344.96	1,692.0	2,325.9	-624.8	2,408.4	0.00	0.00	0.00
3,900.0	90.00	344.96	1,692.0	2,422.5	-650.7	2,508.4	0.00	0.00	0.00
4,000.0	90.00	344.96	1,692.0	2,519.1	-676.7	2,608.4	0.00	0.00	0.00
4,100.0	90.00	344.96	1,692.0	2,615.6	-702.6	2,708.4	0.00	0.00	0.00
4,200.0	90.00	344.96	1,692.0	2,712.2	-728.5	2,808.4	0.00	0.00	0.00
4,300.0	90.00	344.96	1,692.0	2,808.8	-754.5	2,908.4	0.00	0.00	0.00
4,400.0	90.00	344.96	1,692.0	2,905.4	-780.4	3,008.4	0.00	0.00	0.00
4,500.0	90.00	344.96	1,692.0	3,002.0	-806.4	3,108.4	0.00	0.00	0.00
4,600.0	90.00	344.96	1,692.0	3,098.5	-832.3	3,208.4	0.00	0.00	0.00
4,700.0	90.00	344.96	1,692.0	3,195.1	-858.3	3,308.4	0.00	0.00	0.00
4,800.0	90.00	344.96	1,692.0	3,291.7	-884.2	3,408.4	0.00	0.00	0.00
4,900.0	90.00	344.96	1,692.0	3,388.3	-910.1	3,508.4	0.00	0.00	0.00
5,000.0	90.00	344.96	1,692.0	3,484.8	-936.1	3,608.4	0.00	0.00	0.00
5,100.0	90.00	344.96	1,692.0	3,581.4	-962.0	3,708.4	0.00	0.00	0.00
5,200.0	90.00	344.96	1,692.0	3,678.0	-988.0	3,808.4	0.00	0.00	0.00
5,240.0	90.00	344.96	1,692.0	3,716.6	-998.3	3,848.4	0.00	0.00	0.00
4 1/2"									
5,244.0	90.00	344.96	1,692.0	3,720.5	-999.4	3,852.4	0.00	0.00	0.00

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									
OH Randel #17S -- Reqi	0.00	0.00	1,692.0	3,720.5	-999.4	1,998,918.50	2,677,406.45	36° 29' 36.024 N	107° 59' 19.536 W
- plan hits target									
- Point									

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
1,955.0	1,692.0	7"	7	8-3/4
5,240.0	1,692.0	4 1/2"	4-1/2	6-1/8

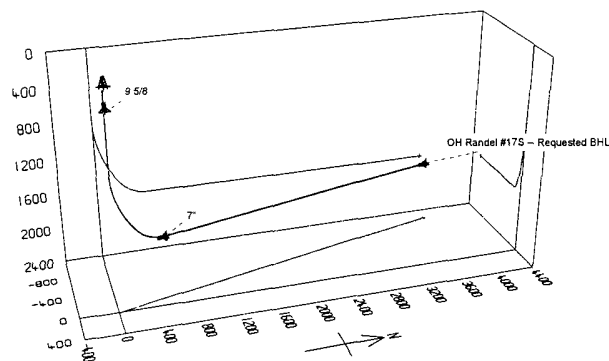
XTO Energy, Inc.

Planning Report

Database: EDM 2003.14 Single User Db
Company: XTO Energy
Project: San Juan Basin (NAD 83)
Site: OH Randel #17S
Well: OH Randel #17S
Wellbore: OH Randel #17S
Design: Sundry'd Wellbore

Local Co-ordinate Reference: Well OH Randel #17S
TVD Reference: Rig KB @ 6399.0ft (AWS #507)
MD Reference: Rig KB @ 6399.0ft (AWS #507)
North Reference: True
Survey Calculation Method: Minimum Curvature

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
668.0	668.0	Ojo Alamo SS	Sandstone	0.00	0.00	
777.0	777.0	Kirtland Shale	Shale	0.00		
1,136.0	1,132.0	Fruitland Formation		0.00		
1,947.9	1,692.0	Lower Fruitland Coal	Coal	0.00		



Well Name OH Randal #17S						
Plan Description 5 deg/100' to 40 deg & 15 deg/100' to 90 deg						
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
OH Randal #17S -- Requested BHL	1692 0	3720 5	-999 4	36° 29' 36 024 N	107° 59' 19 536 W	Point

Project	San Juan Basin (NAD 83)
Site	OH Randal #17S
Well	OH Randal #17S
Wellbore	OH Randal #17S
	Sundry'd Wellbore

FORMATION TOP DETAILS

TVDPathMDPath	Formation
668 0 668 0	Ojo Alamo SS
777 0 777 0	Kirtland Shale
1132 0 1136 0	Fruitland Formation
1692 0 1947 9	Lower Fruitland Coal

CASING DETAILS

TVD	MD	Name	Size
225 0	225 0	9 5/8"	9-5/8
1692 0	1955 0	7"	7
1692 0	5240 0	4 1/2"	4-1/2

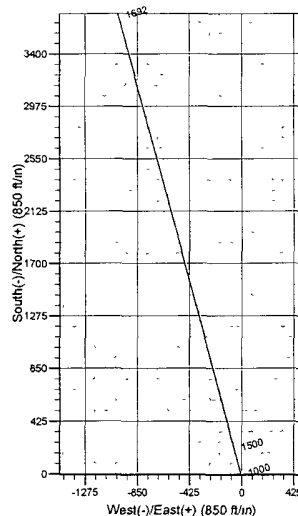
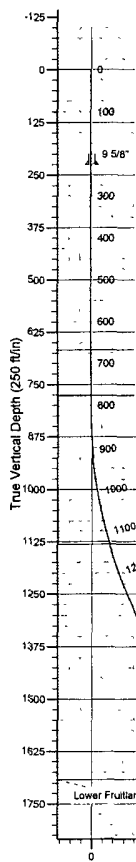
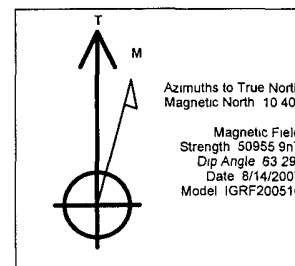
PROJECT DETAILS: San Juan Basin (NAD 83)

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

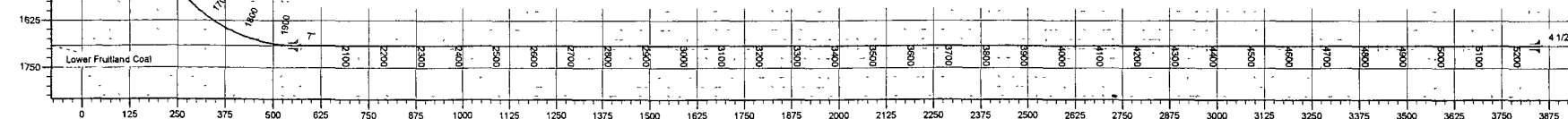
System Datum Mean Sea Level

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	819 0	0 00	0 00	819 0	0 0	0 0	0 00	0 00	0 0	
3	820 0	0 05	344 96	820 0	0 0	0 0	5 00	-15 04	0 0	
4	1619 0	40 00	344 96	1555 6	258 9	-69 5	5 00	0 00	268 1	OH Randal #17S -- Requested BHL
5	1620 0	40 15	344 96	1556 3	259 5	-69 7	15 00	0 00	268 7	
6	1952 3	90 00	344 96	1692 0	541 5	-145 5	15 00	0 00	560 7	OH Randal #17S -- Requested BHL
7	75244 0	90 00	344 96	1692 0	3720 5	-999 4	0 00	0 00	3852 4	OH Randal #17S -- Requested BHL



Vertical Section at 344.96° (250 ft/in)



DRILLING CONDITIONS OF APPROVAL

Operator: XTO Energy Inc.
Lease No.: NMNM-03153
Well Name: OH Randel #17S
Well Location: Sec. 15, T26N, R11W; 835' FSL & 890' FEL

- 1) Centralizers must be run on the bottom (3) three joints on the surface casing according to Onshore Order No. 2 *Casing and Cementing Requirements* and NTL – FRA 90-1 *Requirements to Operate on Federal and Indian Leases: Casing and Cementing Requirements*.
- 2) Centralizers to impart a swirling action around the casing (such as turbolators) are required just below and into the base of the lowest usable water zone.
- 3) Since no BOPE test pressures were proposed, it is recommended that XTO Energy test the BOP and related equipment according to Onshore Order No. 2 *Minimum Standards and Enforcement Provisions For Well Control Equipment Testing*.