

Submit 3 Copies To Appropriate District  
 Office  
 District I  
 1625 N. French Dr., Hobbs, NM 87240  
 District II  
 1301 W. Grand Ave., 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 and Natural Resources

Form C-103  
 June 19, 2008

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

WELL API NO. <b>30-045-30083</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: <b>RUBY</b>
8. Well Number <b>#1</b>
9. OGRID Number <b>5380</b>
10. Pool name or Wildcat <b>AZTEC PICTURED CLIFFS</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>5575' GR</b>

**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**

4. Well Location  
 Unit Letter **C** : **790** feet from the **NORTH** line and **1930** feet from the **WEST** line  
 Section **25** Township **30N** Range **12W** NMPM **NMPM** County **SAN JUAN**

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 COMPL   
 DOWNHOLE COMMINGLE

SUBSEQUENT REPORT OF:

REMEDIAL WORK  ALTERING CASING   
 COMMENCE DRILLING OPNS.  P AND A   
 CASING/CEMENT JOB

OTHER:  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.

XTO Energy Inc. proposes to plug and abandon this well per the attached procedure and will be using a Closed Loop System. Please see also the attached current and proposed wellbore diagrams.

*Adjust Fruitland plug to 1495 - 1545*  
*Adjust top of Ojo Alam plug to cover top at 255 Ft.*

OIL CONS. DIV DIST. 3  
 MAY 30 2014

Notify NMOCD 24 hrs prior to beginning operations

Spud Date:

Rig Release Date:

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

SIGNATURE *Sherry J. Morrow* TITLE LEAD REGULATORY ANALYST DATE 5/29/2014  
sherry\_morrow@xtoenergy.com

Type or print name SHERRY J. MORROW E-mail address: sherry\_morrow@xtoenergy.com PHONE 505-333-3630

Deputy Oil & Gas Inspector,  
 District #3

For State Use Only  
 APPROVED BY *Paul Roll* TITLE AV DATE 6-13-14

Conditions of Approval (if any):

**Ruby #1**  
**Sec 25, T 30 N, R 12 W**  
**San Juan County, New Mexico**  
**5/27/2014**

**Plug and Abandon Procedure**

**AFE Number:** 1405055  
**Spud Date:** 2/20/2000  
**Surface Casing:** 7", 23#, J-55 csg @ 130'. Cmt'd w/60 sx. Circ 5 bbls to surf.  
**Production Casing:** 4-1/2", 10.5#, J-55 csg @ 1,951'. Cmt'd w/181 sx. Circ 3 bbls to surf.  
*Capacity: .0159 bbls/ft or .6699 gal/ft*  
**Production Tubing:** 2-3/8" string  
**Rod String:** 3/4" string  
**Pump:** 1-1/4" insert pump  
**Perforations:** Pictured Cliffs: 1,794' – 1,824'  
**PBTD:** 1,925'  
**Recent Production:** INA since 7/27/2012. 0 mcfpd, 0 bwpd (downhole failure).

*\*Notify NMOCD & BLM 24 hours prior to beginning plugging operations\**

1. Check for COA's and approved NOI before beginning operations.
2. Test rig anchors.
3. Set flowback tank.
4. MIRU completion rig. Review JSA.
5. Kill well.
6. TOH & LD rods and pump.
7. ND WH. NU & FT BOP.
8. TOH & LD tubing.
9. TIH 3-7/8" bit & 3-7/8" string mill to 1,794' on 2-3/8" workstring. TOH.
10. TIH 4-1/2" CR and set @ ±1,760'. PT tubing. Sting out of CR and circulate hole clean.

11. PT casing and CR to 550 psig. If casing does not test, contact engineer.
12. MIRU cement truck. Review JSA.
13. **Perforation Isolation Plug (1,760' – 1,710')**: Pump 10 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 1,760' – 1,710' (volume calculated with 50' excess).
14. **Fruitland Coal Top Plug (1,342' – 1,242')**: Pump 15 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 1,342' – 1,242' (volume calculated with 50' excess).
15. **Kirtland & Ojo Alamo Top Plug (544' – 297')**: Pump 25 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 544' – 297' (volume calculated with 50' excess).
16. **Surface Plug (180' – Surface)**: Pump 20 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 180' – Surface (volume calculated with 50' excess).
17. TOH & LD tubing.
18. RDMO cement truck.
19. WOC 4 hours.
20. Cut off WH. Fill in casing as needed with cement. Install above ground P&A marker.
21. Cut off anchors and reclaim location.

## **Checklist**

### Regulatory:

1. NOI to P&A on form C-103
2. Submit a post-work sundry on form C-103 which details the P&A work and location work within 30 days of completing all required restoration work.

### Equipment:

1. 1 flowback tank
2. 1,800' 2-3/8" workstring
3. 4-1/2" cement retainer
4. 3-7/8" string mill
5. 70 sx Class "B" cement
6. 1 above ground marker

### Services:

1. Completion rig
2. Cement truck



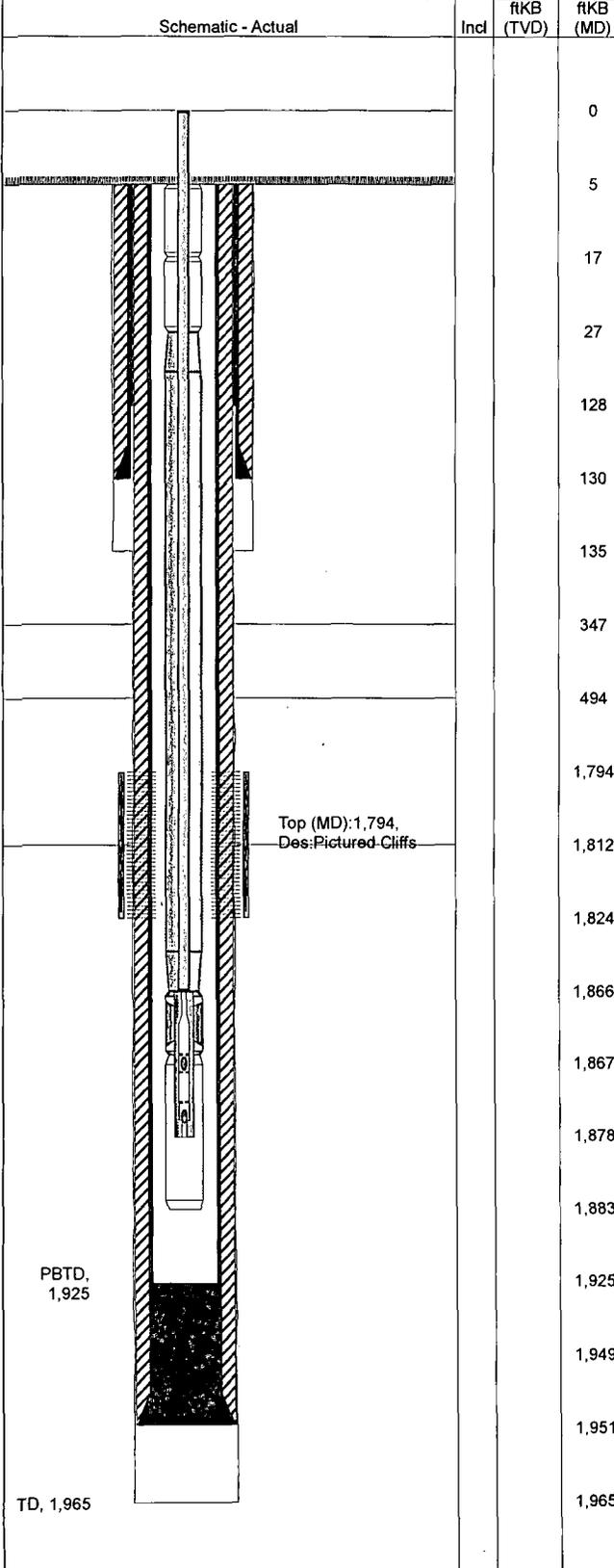
# XTO - Wellbore Diagram

## Current

Well Name: Ruby 01

API/UWI 30045300830000	E/W Dist (ft) 1,930.0	E/W Ref FWL	N/S Dist (ft) 790.0	N/S Ref FNL	Location T30N-R12W-S25	Field Name Aztec Pictured Cliffs	County San Juan	State/Province New Mexico
Well Configuration Type Vertical	XTO ID B 72229	Orig KB Elev (ft) 5,579.00	Gr Elev (ft) 5,574.00	KB-Grd (ft) 5.00	Spud Date 2/19/2000	PBTD (All) (ftKB) Original Hole - 1925.0	Total Depth (ftKB) 1,965.0	Method Of Production Beam

Well Config: Vertical - Original Hole, 5/27/2014 3:16:56 PM



Zones		Zone	Top (ftKB)	Btm (ftKB)					
Pictured Cliffs			1,794.0	1,824.0					
<b>Casing Strings</b>									
Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftK...)				
Surface	7	23.00	J-55		130.0				
Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftK...)				
Production	4 1/2	10.50	J-55		1,951.0				
<b>Cement</b>									
Description	Type	String							
Surface Casing Cement	casing	Surface, 130.0ftKB							
Comment									
Cmt'd w/60 sxs (70.80 cuft) Class B cmt w/2% CaCl2. Circ 5 bbls cmt to surf.									
Description	Type	String							
Production Casing Cement	casing	Production, 1,951.0ftKB							
Comment									
Cmt'd w/130 sxs (268 cuft) of Class B cmt + 2% SMS & 1/4 pps celloflake lead slurry followed by 51 sxs (60 cuft) Class B cmt w/1/4 pps celloflake. Circ 3 bbls cmt to surface.									
<b>Perforations</b>									
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Curr... Status	Zone		
4/25/2000	1,794.0	1,824.0	2.0	0.340		Ac...	Pictured Cliffs		
<b>Tubing Strings</b>									
Tubing Description	Run Date	Set Depth (ftKB)							
Tubing - Production	4/15/2004	1,883.0							
<b>Tubing Components</b>									
Item Description	Jts	Model	OD (in)	Wt (lbs/...)	Gra...	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Sub		T&C Upset	2 3/8	4.70	J-55		12.00	5.0	17.0
Tubing Sub		T&C Upset	2 3/8	4.70	J-55		10.00	17.0	27.0
Tubing	59	T&C Upset	2 3/8	4.70	J-55		1,839.00	27.0	1,866.0
Seat Nipple			2 3/8				1.00	1,866.0	1,867.0
Tubing Sub		T&C Upset	2 3/8	4.70	J-55		16.00	1,867.0	1,883.0
<b>Rods</b>									
Rod Description	Run Date	String Length (ft)	Set Depth (ftKB)						
Rod String	4/15/2004	1,878.00	1,878.0						
<b>Rod Components</b>									
Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)		
Sucker Rod			3/4	D	1,866.00	0.0	1,866.0		
Rod Insert Pump			1 1/4		12.00	1,866.0	1,878.0		
<b>Stimulations &amp; Treatments</b>									
Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) [...]	Total Prop...	AIR (b...)	ATP (psi)	MTP (psi)	ISIP (psi)	
2/27/2000	1794	1824		68,660.0	30		1,30...	1,220.0	
Comment									
Acidized w/500 gals 15% HCl ac + BS. Frac 70Q N2 foam frac (20# XL gelled 2% KCl wtr) carrying 68,660# 16-30 Brady sd. DH sd conc 1, 2, 3 & 4 ppg.									

PBTD, 1,925

TD, 1,965

Ruby #1  
 Sec 25, T 30 N, R 12 W  
 San Juan County, New Mexico

Proposed P&A Diagram

KB: 5,579'  
 GL: 5,574'  
 KB CORR: 5'

8-3/4" HOLE

7", 23#, J-55 CSG @ 130'  
 CMT'D W/60 SX  
 CIRC 5 BBL CMT TO SURF.

6-1/4" HOLE

**PLUG #4: CMT FR/180' - SURFACE  
 (20 SX)**

OJO ALAMO TOP @ 347'

**PLUG #3: CMT FR/544' - 297' (25 SX)**

KIRTLAND TOP @ 494'

FRUITLAND COAL TOP @ 1,292'

**PLUG #2: CMT FR/1,342' - 1,242' (15 SX)**

**PLUG #1: CMT FR/1,760' - 1,710' (10 SX)**

PICTURED CLIFFS TOP @ 1,806'

**CR @ 1,760'**

PC FR/1,794' - 1,824'

PBTD 1,925'  
 TD 1,965'

4-1/2", 10.5#, J-55 CSG @ 1,951'  
 CMT'D W/181 SX  
 CIRC 3 BBL CMT TO SURF.

