

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO 1004-0137  
Expires July 31, 2010

**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.*

5 Lease Serial No

**MM-03551**

6 If Indian, Allottee or Tribe Name

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

8 Well Name and No

**BREECH E #87**

9 API Well No

**30-039-06687**

10 Field and Pool, or Exploratory Area

**S BLANCO PICTURED CLIFFS**

11 County or Parish, State

**RIO ARRIBA**

**NM**

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

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)

**1795' FSL & 1510' FEL NWSE SEC. 04 (J) -T26N-R6W N.M.P.M.**

RECEIVED

AUG 18 2009

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other **FMO**

**DEEPEN**

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.)

**XTO Energy Inc., proposes to do a full body makeover and deepen the S Blanco Pictured Cliffs formation of this well. See attached procedure.**

RCVD AUG 21 '09

OIL CONS. DIV.

DIST. 3

*(Current perforations 2913-3003)*

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**BARBARA J CONDER**

Title **REGULATORY CLERK**

Signature

*Barbara J Conder*

Date **08/17/09**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

**Original Signed: Stephen Mason**

Title

Date

**AUG 20 2009**

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.

**NR0000**

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, 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.

LWF \_\_\_\_\_  
TWD \_\_\_\_\_  
DLC \_\_\_\_\_

BREECH E #87  
SEC 4J, T 26 N, R 06 W  
RIO ARRIBA COUNTY, NEW MEXICO

Formation: South Blanco Pictured Cliffs  
Surface csg: 8-5/8", 24# csg @ 414'.  
Production csg: 5-1/2" csg @ 2,916'. TOC 1,836' by CBL.  
Openhole: 2,916'-3,003'.  
Tbg: 1-1/2", 2.9#, J-55, EUE tbg w/Baker R-3 pkr @ 2,782'.  
Fish: 7 jts 1" tbg. Est TOF @ 2,800'.  
Current Status: F. 0 BO, 0 BW, 20 MCFPD

- 1) MIRU PU with pump, pit and 3-1/2" power swivel.
- 2) MI 3 – 400 bbl tanks, 97 jts 2-7/8" work string, 4 – 3-1/8" DC's, 3,130' – 4", 10.7#, J-55 flush joint casing and 97 joints 2-1/16", 3.25#, J-55, IJ, 10rd tubing.
- 3) Blow well down. ND WH. NU BOP. TOH and lay down tubing and Baker R-3 packer.
- 4) TIH with 5-1/2" RBP and 2-7/8" tubing to 700'. Set RBP at 700'. TOH with 2-7/8" tubing. Pressure test casing and RBP to 300 psig for 5 minutes. Blow well down. ND WH.
- 5) Cut off 8-5/8" and 5-1/2" casing. Install new or reconditioned WHI Larkin 5-1/2" x 4" fig R weld on casinghead.
- 6) NU BOP. PU and TIH with 2-7/8" tubing. Release RBP. TOH with RBP and tubing.
- 7) TIH with overshot and 2-7/8" tubing. Recover 1" tubing if possible. TOH and lay down 1" tubing and overshot.
- 8) TIH with 4-3/4" Rock bit, 4 – 3-1/8" DC's and 2-7/8" tubing. MIRU AFU. Clean out openhole to 3,003'. Drill new hole from 3,003' to 3,130' with A/F mist.
- 9) **Notify BLM and NMOCD of cementing operations.**
- 10) Circulate hole with Baroid Ez Drill mud (liquid polymer). If circulation is lost or not attainable call Loren W Fothergill for revised cement program.
- 11) TOH and lay down 2-7/8" tubing, DC's and bit. TIH with 4", 10.7#, J-55 flush joint casing to 3,130' as follows:
  - A. Texas Pattern Guide Shoe
  - B. One (20') joint 4"
  - C. 4" Flapper float collar
  - D. 4", 10.7#, J-55 flush joint casing to surface.
- 12) RU the cementing head and circulate a minimum of two casing volumes. Circulate red dye to determine the volume of cement required. Cement casing to surface with  $\pm 50$  sx Type V cement with 3% super-Sil and 2% CaCl<sub>2</sub> (11.5 #/gals, 2.81 cuft/sk). Tail in with 30 sx 50:50 Poz cement with 8% Bentonite, 1/4#/sx Super Flake and 10% Gypsum (12.5 #/gals, 1.87

cuft/sx). Displace cement with fresh water. Bump plug to 500 psig over final displacement pressure. **Do not over displace. WOC 48 hours.**

- 13) Land the 4" flush joint mandrel in casing spool. RDMO PU.
- 14) ND BOP. NU WH. NU 5,000 psig WP frac valve.
- 15) MIRU WL. Run GR/CCL/CBL from PBTD to 500'. NOTE: If cement is circulated to surface, do not run CBL. Confirm the perforations depths before perforating.
- 16) Pressure test casing to 2,000 psig for 30 minutes and then to 3,850 psig for 5 minutes.
- 17) Perforate PC with a 2" Go Winder DP from 2,916'-3,003' with 1 JSPF (40 holes, 0.27" diam, 25.05" pent).
- 18) MIRU frac equipment. BD PC perforations from 2,916'-3,003' with 1,500 gals 15% HCl acid. Flush with 1540 gals 2% KCl water (over displace acid by 3 bbls).
- 19) Frac the Pictured Cliffs from 2,916'-3,003' down 4" casing at 45 BPM with 66,000 gals 70Q, N<sub>2</sub> foamed, 17# linear gelled, 2% KCl water carrying 82,000# 16/30 Brady sand and 20,000# 16/30 Super LC RC sand. Do not exceed 3,850 psig. Flush with 963 gals 70Q, N<sub>2</sub> foamed, 17# linear gel (3 bbl under flush). Record ISIP and 5" SIP's.

**Pictured Cliffs Schedule**

| Stage | BPM | Fluid        | Vol<br>Gals | Prop<br>Conc | Prop                            |
|-------|-----|--------------|-------------|--------------|---------------------------------|
| Pad   | 45  | 17# 70Q foam | 7,800       |              |                                 |
| 2     | 45  | 17# 70Q foam | 9,000       | 1            | 9,000# 16/30 Brady              |
| 3     | 45  | 17# 70Q foam | 9,000       | 2            | 18,000# 16/30 Brady             |
| 4     | 45  | 17# 70Q foam | 9,000       | 3            | 27,000# 16/30 Brady             |
| 5     | 45  | 17# 70Q foam | 7,000       | 4            | 28,000# 16/30 Brady             |
| 6     | 45  | 17# 70Q foam | 5,000       | 4            | 20,000# 16/30 Super LC<br>RC sd |
| Flush | 35  | 17# 70Q foam | 1370        |              |                                 |

- 20) RDMO frac equipment. SWI for a minimum of 4 hours.
- 21) Flow back well thru a choke manifold to pit. Start with 8/64" ck. Increase choke size as appropriate.
- 22) TIH with hydrostatic bailer, SN and 2-3/8" tubing. CO to 3,110'.
- 23) TOH with bailer and tubing.
- 24) TIH with NC, SN and 2-1/16" tubing. Tag PBTD. PU and land tubing at 2,960'. SN at 2,959'.
- 25) If necessary, swab well to KO well.
- 26) RDMO PU.
- 27) Report rates and pressures to Loren Fothergill.

**REGULATORY REQUIREMENTS:**

1. BLM approval to deepen well, run casing and fracture stimulate well.

**SERVICES:**

1. Halliburton Frac.
2. Cement: None specified.
3. Perforating company: None specified.
4. Stinger 5,000 psig WP frac valve.

**EQUIPMENT LIST:**

1. 97 jts (3,130') 2-7/8" work string and 4 – 3-1/8" DC's.
2. Wellhead: WHI Larkin 5-1/2" x 4" fig R weld on casinghead.
3. Csg: 3,130' 4", 10.7#, J-55 flush joint casing
4. Tbg: 97 jts (3,110') 2-1/16", 3.25#, J-55, IJ, 10rd tbg.