

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,

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

990' FNL & 1650' FEL; UL B-SEC 09-T27N-R11W

3b. Phone No. (include area code)

5. Lease Serial No.

14080012437

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

RIDDLE 2 #1

9. API Well No.

30-045-06713

10. Field and Pool, or Exploratory Area

BLANCO SOUTH PICTURED CLIFFS

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 COMPLETE

☐ Change Plans

☐ Plug and Abandon

☐ Temporarily Abandon

WORKOVER

☐ 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.)

XTO Energy Inc. proposes to deepen, case, fracture stimulate and put the Riddle 2 #1 on pump. Attached is our proposed procedure for this work.

— Upon well bore abandonment,  
backside isolation will be required.

CONDITIONS OF APPROVAL

Adhere to previously issued stipulations.

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

Name (Printed/Typed)

HOLLY C. PERKINS

Title

REGULATORY COMPLIANCE TECH

Date 4/20/05

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Petr. Eng

Date

5/3/05

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 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.

NMUCD

RIDDLE 2 #1  
SEC 9, T 27 N, R 9 W  
SAN JUAN COUNTY, NEW MEXICO

Formation: South Blanco Pictured Cliffs  
Surface csg: 9-5/8", 32# csg @ 94'.  
Production csg: 5-1/2", 10.5#, J-55 csg @ 2,320'.  
Openhole: 2,320'-72'.  
Tbg: 1" tbg. Set @ 2,342'  
Current Status: Flwg.  
Workover Reason: FBMO.

- 1) Locate and test rig anchors. Install and test rig anchors if required.
- 2) MIRU PU with pump, pit and 3-1/2" power swivel.
- 3) Blow well down. ND WH. NU BOP.
- 4) TOH and lay down 1" tbg. PU and TIH with 5-1/2" casing scraper and 2-7/8" tubing to 2,320'. TOH and lay down casing scraper.
- 5) TIH with 5-1/2" RBP to 700'. Set RBP at 700'. Pressure test casing and RBP to 500 psig for 5 minutes. Blow well down. ND WH.
- 6) Cut off 8-5/8" and 5-1/2" casing. Install new or reconditioned WHI W-92, 8-5/8" x 5-1/2" slip and seal casinghead and WHI WR, 5-1/2" casing spool.
- 7) TIH with RBP release tool and tubing. Release RBP and TOH with tubing and RBP.
- 8) **Notify BLM and NMOCD of cementing operations, 24 hours prior to pumping cement. BLM 505-599-8900. NMOCD 505-334-6178.**
- 9) PU and TIH with 4-3/4" bit, 4 - 3-1/8" DC's and 2-7/8" tubing. MIRU AFU. Clean out openhole to 2,372'. Drill new hole from 2,372'-2,500'. RDMO AFU.
- 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. NU BOP's with 4" rams. TIH with 4", 10.46#, J-55, FJ casing to 2,500' as follows:
  - A. Regular Cement Nose Guide Shoe
  - B. One (20') joint 4"
  - C. 4" Flapper float collar
  - D. 4", 10.46#, J-55 casing to surface. Note: Place 1 - 4" x 15' marker joint at  $\pm 2,200'$ .
- 12) RU the cementing head and circulate a minimum of two casing volumes. Circulate red dye to determine the volume of cement required. MIRU Schlumberger cement trucks and cement casing to surface with 50 bbls 2% KCl water, 145 sx cl "G" cmt w/1/4# cello-flakes, 0.2%

Anti-foamer (pwr), 0.05% Anti-foamer (liquid), 3% Extender (first 100 sx w/CemNet), 90 sx 50/50 Poz w/2% CaCl<sub>2</sub>, 1/4# cello-flake, 5# Gilsonite, 2% Bentonite, CemNet (13.5 ppg, 1.28 yel). Displace cement with fresh water. Bump plug to 500 psig over final displacement pressure. **Do not over displace.** RDMO Schlumberger cement trucks.

- 13) Land 4" casing in casing spool. WOC 24 hrs.
- 14) Weld on bell nipple. NU tubing hanger. ND BOP. NU 5,000 psig WP frac valve.
- 15) MIRU WL. Run GR/Compensated Neutron log from PBTD to 2,000' and GR/CCL/CBL from PBTD to 100' above TOC. Correlate depth with Riddle 2 #1 Schlumberger Electrical Log dated January 1, 1956. **NOTE: If cement is circulated to surface, do not run CBL.**
- 16) Pressure test casing to 2,000 psig for 30 minutes and then to 3,800 psig for 5 minutes.
- 17) Perforate PC with 2" spiral strip csg gun (Owen STP-2125-401NT, 14 gm chrgs, 0.27" dia, 24" pen, 102 holes) from 2,320'-54' with 3 JSPF. **Note: Perforations will be picked based upon the results of the GR/Compensated Neutron log.**
- 18) MIRU acid and pump trucks. BD PC perforations from 2,320'-54' with 1,000 gals 15% HCl acid and 30 - 7/8" RCN ball sealers. Surge balls off perforations. Over displace acid by 3 bbls. RIH with junk basket and knock off balls. RDMO WL. RDMO acid and pump trucks.
- 19) MIRU frac equipment. Frac the Pictured Cliffs perforations from 2,320'-54' down 4" casing with 64,000 gallons 17# linear gelled 70 Q foamed 2% KCl water and 110,000# 16-30 Brady sand with 20,000# Super LC resin coated sd in 4 ppg stage as follows:

Stage	BPM	Fluid	Vol Gals	Prop Conc	Prop
Pad	40	17# 70Q foam	14,000		
2	40	17# 70Q foam	10,000	1	10,000# 16/30 Brady sd
3	40	17# 70Q foam	12,000	2	24,000# 16/30 Brady sd
4	40	17# 70Q foam	16,000	3	48,000# 16/30 Brady sd
5	40	17# 70Q foam	7,000	4	28,000# 16/30 Brady sd
6	40	17# 70Q foam	5,000	4	20,000# 16/30 Super LC RC sd
Flush	40	17# linear gel	1,831		

- 20) RDMO frac equipment. SWI for a minimum of 4 hours. ND 5,000 psig frac valve.
- 21) Flow back well thru a choke manifold to pit. Start with 8/64" ck. Increase the choke size as appropriate.
- 22) Upon well loading up. ND WH. NU BOP. MIRU air/foam unit. TIH with NC, SN and 2-1/16" tubing. CO to PBTD. RDMO air/foam unit.
- 23) Swab well until clean fluid is obtained.
- 24) TOH with tubing.
- 25) TIH with 30' x 2-1/16" OEMA with 1/8" weep hole, SN and 2-3/8" tubing. Tag PBTD. ND BOP. PU and land tubing as deep as possible. NU WH.

- 26) TIH with 1-1/2" x 1-1/4" x 10' RWAC-Z-DV pump with 3/4" strainer nipple, RHBO tool, 1' lift sub and 3/4" grade "D" rods to surface.
- 27) Space out pump. HWO.
- 28) Load tubing and check pump action.
- 29) RDMO PU.
- 30) MI and set C-50-89-42 ppg unit with min ECB of 6,080 lbs and Kohler engine.
- 31) Start well ppg at 3 SPM and 42" SL.
- 32) Report rates and pressures to Loren Fothergill.