

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)

1090' ENL & 1090' FWL

5. Lease Serial No.

JIC154

6. If Indian, Allottee or Tribe Name

JICARILLA APACHE TRIBE

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

8. Well Name and No.

JICARILLA APACHE 5

9. API Well No.

30-039-06339

10. Field and Pool, or Exploratory Area

S BLANCO 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

☐ 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 COMPLETE

WORKOVER

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 complete workover on this well per attached documents.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

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

Name (Printed/Typed)

HOLLY S. PERKINS

Title

REGULATORY COMPLIANCE TECH

Date 10/4/04

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Petr. Eng.

Date

10/18/04

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

NMOC

JICARILLA APACHE #5  
SEC 28, T 26 N, R 5 W  
RIO ARRIBA, NEW MEXICO

Formation: South Blanco Pictured Cliffs  
Surface csg: 10-3/4", 32.75#, H-40 csg @ 172'.  
Production csg: 7", 20#, J-55 csg @ 2,852'.  
Openhole: 2,852'-2,929'.  
Tbg: 4' x 2-3/8" tbg sub, 91 jts 2-3/8", 4.7#, J-55, EUE 8rd tbg & 2-3/8" MA.  
EOT @ 2,902'.  
Current Status: SI

- 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) MI 3 – 400 bbl frac tanks, 1 flowback tank, 95 jts 2-7/8" work string, 4 – 3-1/2" DC's, 3,100' – 4-1/2", 10.5#, J-55, ST&C casing, 7" x 4-1/2" casing spool, 120 - 3/4" grade "D" rods and adequate pony rods to space out pump. **All completion fluids shall be captured in the flowback tank.**
- 4) Blow well down. ND WH. NU BOP.
- 5) TOH, tally and inspect tubing. PU and TIH with 7" casing scraper to 2,852'. TOH and lay down casing scraper. If warranted lay down 2-3/8" tubing string. MI 94 joints 2-3/8", 4.7#, J-55, EUE, 8rd tubing.
- 6) **Notify BLM and NMOCD of cementing operations, 24 hours prior to pumping cement. BLM 505-599-8900. NMOCD 505-334-6178.**
- 7) PU and TIH with 6-1/4" bit, 4 – 3-1/2" DC's and 2-7/8" tubing. MIRU AFU. Clean out openhole to 2,929'. Drill new hole from 2,929'-3,050'. RDMO AFU.
- 8) Circulate hole with Baroid Ez Drill mud (liquid polymer). If circulation is lost or not attainable call Loren W Fothergill for revised cement program.
- 9) TOH and lay down 2-7/8" tubing, DC's and bit. NU BOP's with 4-1/2" rams. TIH with 4-1/2", 10.5#, J-55, ST&C casing to 3,050' as follows:
  - A. Regular Cement Nose Guide Shoe
  - B. One (20') joint 4-1/2"
  - C. 4-1/2" Float collar, non-auto fill
  - D. 4-1/2", 10.5#, J-55 casing to surface. Note: Place 1 – 4-1/2" x 15' marker joint at  $\pm 2,800'$ .Place one turbolizing centralizer 10' above the guide shoe using a stop ring. Place a second turbolizing centralizer on the first collar above the float collar, then every collar for 8 joints. Place one bowspring centralizer on every fourth joint to surface.

Interval	Approximate # of Jts	Turbolizers	Centralizers
TD-3,050'	8	2	6
3,050'-surface	65	0	16
Total	73	0	18

- 10) RU the cementing head and circulate a minimum of two casing volumes. Circulate red dye to determine the volume of cement required. MIRU BJ Services cement trucks and cement casing to surface with 40 bbls 2% KCl water, 10 bbls CaCl<sub>2</sub>, 5 bbls FW, 10 bbls Flow Guard, 5 bbls FW, 20 sx Premium LHS cmt with 3#/sk CSE, 0.2% CD-32, 0.7% FL-52, 5% A-10, 3% Pheno Seal & 1/4#/sk Celloflake (10.5 ppg, yield 4.06) as scavenger cement, 227 sx Premium cmt with 3#/sk CSE, 0.2% CD-32, 0.7% FL-52, 5% A-10, 3% Pheno Seal & 1/4#/sk Celloflake (12.5 ppg, yield 12.5). Displace cement with fresh water. Bump plug to 500 psig over final displacement pressure. **Do not over displace.** RDMO BJ cement trucks. *~2.06 or 30% excess to circ. to surf.*
- 11) Land 4-1/2" casing in casing spool. WOC 24 hrs.
- 12) Weld on bell nipple. NU tubing hanger. ND BOP. NU 5,000 psig WP frac valve.
- 13) MIRU WL. Run GR/Compensated Neutron log from PBTD to 2,500' and GR/CCL/CBL from PBTD to 500'. Correlate depth with Jicarilla Apache #5 Schlumberger GR/Induction log dated January 3, 1956. NOTE: If cement is circulated to surface, do not run CBL.
- 14) Pressure test casing to 2,000 psig for 30 minutes and then to 3,800 psig for 5 minutes.
- 15) Perforate PC with 3-1/8" casing guns (Owen HSC 3125-306, 16 gm charges, 0.33" dia., 15.4" pene., ±19 holes) from 2,862'-66', and 2,888'-2,904' with 1 JSPF. **Note: Perforations will be picked based upon the results of the GR/Compensated Neutron log.**
- 16) MIRU acid and pump trucks. BD PC perforations from 2,862'-2,904' with 1,000 gals 15% HCl acid and 29 - 7/8" RCN ball sealers. Surge balls off perforations. Over displace acid by 1 bbl. RIH with junk basket and knock off balls. RDMO WL. RDMO acid and pump trucks.
- 17) MIRU frac equipment. Frac the Pictured Cliffs perforations from 2,862'-2,904' down 4-1/2" casing with 64,000 gallons 25# linear gelled 2% KCl water and 110,000# 20-40 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	25# 70Q foam	14,000		
2	40	25# 70Q foam	10,000	1	10,000# 20/40 Brady sd
3	40	25# 70Q foam	12,000	2	24,000# 20/40 Brady sd
4	40	25# 70Q foam	16,000	3	48,000# 20/40 Brady sd
5	40	25# 70Q foam	7,000	4	28,000# 20/40 Brady sd
6	40	25# 70Q foam	5,000	4	20,000# 20/40 Super LC RC sd
Flush	40	25# linear gel	1,791		
Total					

**Clean up equipment to flowback tank. Do not dump chemicals into pits.**

- 18) RDMO frac equipment. SWI for a minimum of 4 hours. ND 5,000 psig frac valve.
- 19) Flow back well thru a choke manifold to pit. Start with 8/64" ck. Increase the choke size as appropriate.
- 20) Upon well loading up. ND WH. NU BOP. MIRU air/foam unit. TIH with NC, SN and 2-3/8" tubing. CO to 3,030'. RDMO air/foam unit.
- 21) Swab well until clean fluid is obtained.
- 22) TOH with tubing.
- 23) TIH with 20' x 2-3/8" slotted OPMA, SN and 2-3/8" tubing. Tag PBTD. ND BOP. PU and land tubing as deep as possible. NU WH.
- 24) TIH with 2" x 1-1/2" x 10' RWAC-Z-DV pump with 3/4" x 5' GAC, RHBO tool, 1' lift sub and 3/4" grade "D" rods to surface.
- 25) Space out pump. HWO.
- 26) Load tubing and check pump action.
- 27) RDMO PU.
- 28) MI and set C-80-119-64 ppg unit with min ECB of 5,840 lbs and C-46 engine.
- 29) Start well ppg at 6 SPM and 54" SL.
- 30) Report rates and pressures to Loren Fothergill.

## **BLM CONDITIONS OF APPROVAL**

**Operator XTO Energy Inc.**

**Well Name Jicarilla Apache # 5**

**Legal Location 1090 FNL / 1090 FWL**

**Sec 28, T. 26N, R. 5W**

**Lease Number JIC 154**

- 1 Pits will be fenced during workover operation**
- 2. All disturbances will be kept on existing pad.**
- 3. Pits will be lined with an impervious material at least 12 mils thick.**
- 4. Empty and reclaim pit after work completed.**