

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

MAR 03 2011

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)
505-333-3176

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1850' FSL & 1115' FEL NESE SEC. 21 (I) -T27N-R10W N.M.P.M.

5. Lease Serial No.

NMSF-077386A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NMNM-73555 DK

8. Well Name and No.

JOHNSON GAS COM B #1E

9. API Well No.

30-045-24166

10. Field and Pool, or Exploratory Area
BASIN DAKOTA/BASIN MANCOS

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

- | | | | |
|---|---|--|--|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other <u>SQUEEZE</u> |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | <u>MANCOS FORMATION</u> |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> 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 squeeze the Basin Mancos formation per the attached procedure.

RCVD MAR 9'11

OIL CONS. DIV.

DIST. 3

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

TEENA M. WHITING

Title REGULATORY COMPLIANCE TECHNICIAN

Signature Teena M. Whiting

Date 3/2/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

MAR 04 2011

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

NMCCD

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.

**JOHNSON GAS COM B #1E
MANCOS SQUEEZE
SEC 21, T27N, R10W
SAN JUAN CO., NM**

SURF CSG: 8-5/8", 24#, K-55, ST&C CSG @ 307'. CMT'D W/300 SX CMT. CIRC 8 SXS TO SURF.

PROD CSG: 4-1/2", 10.5#, J-55, ST&C CSG @ 6,580'. CMT'D 1ST STAGE W/480 SX CMT. DID NOT CIRC CMT. CMT'D 2ND STAGE W/1,280 SX CMT. DID NOT CIRC CMT. PBTD @ 6,535'. DV TOOL @ 4,762'. DRIFT = 3.927". CAPACITY = 0.0159 BPF OR 0.6699 GPF. BURST = 4,790 PSIG.

TUBING: NC, SN, & 201 JTS 2-3/8", 4.7#, J-55, EUE, 8RD TBG. SN @ 6,296'. EOT @ 6,297'. CAPACITY = 0.00387 BPF OR 0.1624 GPF.

EXISTING PERFS: DAKOTA: 6,295' – 6,305', 6,331' – 6,337', 6,382' – 6,424' & 6,446' – 6,464' (2 JSPF, 0.38" EHD, 152 HOLES).
MANCOS: 5,562' – 5,745' (SELECT FIRE, 1 JSPF, 0.38" EHD, 15 HOLES)

EXISTING SQZ HOLES: CASING LEAK FROM 3,540' – 4,124'. SQZ'D W/311 SX CMT. PT DID NOT HOLD. SQZ'D W/1,000 GALS VORTEX SEAL MAKER. PT HELD (08/03/2006).

FORMATION: MANCOS (WELL # 68659, AFE # 1100829)

MANCOS SQUEEZE PROCEDURE

1. Confirm NOI Sundry to squeeze off the Mancos formation. Obtain NMOCD C-144 CLEZ Closed Loop System Permit for the use of a steel tank to handle waste fluids circulated from the well and cement wash up.
2. MIRU PU. Recover plunger equipment from tubing.
3. ND WH. NU BOP.
4. Pressure test tubing to 2,000 psig for 5".
5. TOH with 2-3/8" tbg and NC. LD NC.
6. TIH with 3-7/8" bit, 3-7/8" string mill and 2-3/8" tbg to 5,835'. TOH with tbg, string mill, and bit.
7. TIH with 4-1/2" CIBP and 2-3/8" tbg. Set 4-1/2" CIBP at 5,835' (collars at 5,816' & 5,858').

8. TIH with Weatherford 4-1/2" HD pkr and 2-3/8" tubing. Set pkr at 5,790' (collars at 5,774' & 5,816'). PT CIBP at 5,835' to 2,000 psig for 5" with pkr.
9. TOH with 2-3/8" tbg and pkr.
10. TIH with 4-1/2" CICR and 2-3/8" tbg. Set CICR at 5,458' (collars at 5,437' & 5,479'). Sting out fr/CICR.
11. Pump down tbg with fresh water to clear stinger. Sting into CICR.
12. MIRU BJ cementing equipment and crew.
13. **Squeeze Mancos perforations from 5,562' – 5,745' as follows:**
 - 5 bbls 2% KCl water to establish injection rate
 - 200 sacks of Type III cement + 2% CaCl₂ (14.6 ppg, 1.37 ft³/sack yield)
 - 22 bbls 2% KCl water displacement

Note: Have additional 200 sacks of Type III cement + 2% CaCl₂ on location if needed

14. Sting out from CICR. Reverse out tubing with freshwater.
15. TOH with 2-3/8" tbg and setting tool. SWI.
16. RDMO BJ cementing equipment and crew.
17. SD WOC.
18. TIH with 3-7/8" bit, XO, 4 – 3-1/8" DCs, XO, and 2-3/8" tbg. Tag TOC. RU pwr swivel.
19. DO cement from TOC to CICR at 5,458'. DO CICR. DO cement below CICR to BOC. Tag CIBP at 5,835'. Circ clean.
20. TOH with tbg, DCs, and bit.
21. TIH with Weatherford 4-1/2" HD pkr and 2-3/8" tbg. Set pkr at 5,500' (collars at 5,479' & 5,522').
22. PT Mancos cement squeeze to 550 psig for 30" with chart. Report results to Geoffrey Steiner.
23. TOH with 2-3/8" tubing and pkr.
24. TIH with 3-7/8" bit, XO, 4 – 3-1/8" DCs, XO, and 2-3/8" tbg.
25. MIRU AFU and unload well.
26. DO CIBP at 5,835'. CO fill to PBTD at 6,535'. Circ clean.
27. TOH with tbg, drill collars, and bit.
28. TIH w/NC, SN, and 2-3/8" tbg. Land EOT @ 6,351'. SN @ 6,350'.

29. ND BOP. NU WH.
30. Swab until well kicks off.
31. RDMO PU. RDMO AFU.
32. Report rates and pressures to Geoffrey Steiner.

Regulatory Requirements

Mancos Squeeze

NOI

C-144 CLEZ

Subsequent Reports

Services

- AFU
- BJ Cementing

Equipment List

- 1 – 400 bbl frac tank
- 1 flowback tank
- 1 – 4-1/2" CICR
- 1 – 4-1/2" CIBP
- 1 – Weatherford 4-1/2" HD packer
- 2 – 3-7/8" bits
- 4 – 3-1/8" drill collars
- 1 – 3-7/8" string mill
- 400 sacks of Type III cement + 2% CaCl₂ (14.6 ppg, 1.37 ft³/sack yield)