

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

RECEIVED

JAN 28 2008

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

XTO Energy Inc.

Bureau of Land Management
Farmington Field Office

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)

1130' FSL & 1975' FEL SEC 20"O"-T28N-R10W

5. Lease Serial No.

NMSF-047039A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

JF DAY D #1F

9. API Well No.

30-045-34381

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

- | | | | |
|---|---|--|--|
| ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other <u>SQUEEZE CMT</u> |
| ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| ☐ 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. intends to squeeze cement on this well per the attached procedure.

Cement Stringers to $\pm$ 3870'
- See amendments on Pg. 4.

RCVD FEB 8 '08
OIL CONS. DIV.

DIST. 3

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

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

LORRI D BINGHAM

Title REGULATORY COMPLIANCE TECH

Signature

Date 1/23/08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Office

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

NMOC

JF DAY D #1F
MC COMPLETION & CMT REMEDIATION
SEC 20, T28N, R10W
SAN JUAN CO., NM

RNL _____
TAL _____
DLC _____

AFE # / Acct Code: 713433 / 77387(MC)
Prod. Csg: 5-1/2", 15.5#, J-55 csg @ 6,885'.
Capacity: 0.0238 bpf or 0.9997 gpf
PBTD: 6,840'
Tbg: NC, SN & 2-3/8" tbg
Perfs: DK: 6,511'-6,665'

1. Once Dakota production tests are sufficient for allocation purposes, MIRU PU. TOH w/tbg.
2. MIRU WL trk & mast trk.
3. RIH w/ CBP & set plug @ 5,980' (Collars @ 5,952' & 5,996'). POH & LD setting tl.
4. Set 3 - 400 bbl frac tnks & 1 flowback tnk. Fill frac tnks w/2% KCl wtr. **NOTE:** Have frac co. test wtr for compatibility prior to frac & add biocide. Heat wtr in the frac tnks so that wtr temperature @ frac time is $\pm 80^{\circ}$ F. Hot oil trk must be clean to avoid contaminating the frac wtr.
5. Install 5,000 psig frac valve.
6. Press tst 5-1/2" csg & frac vlv to 1,500 psig for 15". Press tst csg & frac vlv to 3,000 psig for 5".
7. Perf MC w/3-1/8" csg gun loaded Owen HSC-3125-302 charges or equivalent performance charges (10 gm, 0.34" EHD, 21.42" pene, ttl 24 holes)

Perf	CCL	Perf	CCL	Perf	CCL	Perf	CCL	Perf	CCL
5,942'		5,921'		5,893'		5,854'		5,763'	
5,935'		5,909'		5,891'		5,846'		5,761'	
5,933'		5,904'		5,889'		5,844'		5,759'	
5,929'		5,897'		5,864'		5,790'		5,757'	
5,925'		5,895'		5,862'		5,788'			

8. RDMO WLU & Mast trk.
9. MIRU Stinger trk. Install 10,000 psig Stinger WH isolation tool.
10. MIRU frac & acid equip & Praxair CO2 transports.
11. BD perfs. EIR w/2% KCl wtr. Max press 3,850 psig. Switch to acid. Acidize DK perfs fr/5,757- 5,942' w/1,250 gals 15% NEFE HCl acid (FE control, surf & Cl additives) + 40 - 7/8" 1.1 SG Green Bio balls. Flush acid 3 bbls past btm perf

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SAN JUAN CO., NM

w/145 bbls 2% KCl wtr or until ball off. Pump flush @ ± 12 BPM. Record ISIP, 5". Surge off balls. Begin CO2 cool down.

12. Frac MC perms fr/5,757- 5,942' down csg w/ 71,000 gals 70Q CO2 Purgel III LT CO2 Foam Frac fluid (zirconium XL, 25# guar gel, 2% KCl wtr) carrying 120,000# sd (99,000# 20/40 BASF sd + 21,000# 20/40 Super LC resin coated sd). Flush w/70Q CO2 foamed XL frac fluid & unfoamed gel wtr. Total flush volume 5,629 gals(3 bbls short of top perf). Est CO2 Volume 218 tons downhole. Est TP 1,800 psig. Pmp frac @ 35 BPM. MaxTP @ 3,000 psig. Frac schedule:

Stage	Stage Clean Vol.	Fluid	Stage Proppant	Cum Proppant
Load	-	2% KCl wtr	0#	0#
Acid	1,250 gals	15% NEFE HCl	0#	0#
Flush	6,090 gals	2% KCL wtr	0#	0#
Pre-pad	500 gals	70Q XL CO2	0#	0#
Pad	12,000 gals	70Q XL CO2	0#	0#
1 ppg	20,000 gals	70Q XL CO2	20,000# 20/40 BASF	20,000#
2 ppg	17,000 gals	70Q XL CO2	34,000# 20/40 BASF	54,000#
3 ppg	15,000 gals	70Q XL CO2	45,000# 20/40 BASF	99,000#
3 ppg	7,000 gals	70Q XL CO2	21,000# 20/40 SLC	120,000#
Flush	5,129 gals	70Q CO2	0#	120,000#
Flush	500 gals	Gel wtr.	0#	120,000#
Total Sand 120,000#			71,000gal 70Q CO2 Purgel III LT	

Record ISIP & 5" SIP's. SWI. RDMO frac equip. Remove Stinger WH isolation tool. Leave well SI 4 hrs.

13. RU flowback manifold & flowline to flowback tnk. OWU on 1/4" ck. Have larger ck sizes available. Adjust ck size as needed to unload well w/o bringing excessive sd back. Flow back until sd & CO2 cleans up. SWI.

14. MIRU PU. MIRU WL trk.

15. MI 4 – Drill Collars.

16. Refill frac tanks w/2% KCl wtr as needed.

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Plan amendment per
discussions w/
Ryan Laverne on
2/7/08

17. PU & RIH w/5-1/2" CIBP. Set plug @ ~~4,318'~~ (Collars @ 4,307' & 4,351') using lubricator w/o blowing well down (If SICP is to high to lubricate in CIBP then blow well dwn as needed). POH & LD setting tl.

Stg. total @ $\pm 4396'$
w/ cement stringers
to 3850'; free pipe
from 3850' to surface

18. RU flowline. Bd csg.

19. ND frac vlv. NU BOP.

20. Load csg w/2% KCl wtr (pmp slowly to let gas work out csg). PT csg & CIBP to 2,000 psig.

21. Perf 4 sqz holes w/90° phasing @ ~~4,289'~~ 3850'

22. RDMO WL trk

$\pm 3830'$

23. TIH w/5-1/2" CIBP & 2-3/8" tbg to ~~4,250'~~ (Collars @ 4,218' & 4,261'). Pmp dwn tbg & circ out TCA to confirm CIBP is clear & csg is loaded.

24. Set CIBP @ ~~4,250'~~ $\pm 3830'$

25. PT TCA to 500 psig. Rls press.

26. BD sqz holes & EIR w/fresh wtr. Max allowable surface press 6,000 psig (80% of tubing yield strength). Chk for circ out 5-1/2" x 8-5/8" annulus. **NOTE:** Cmt vol in step 26 will be based on inj rate, inj press & circ.

27. Notify BLM & OCD of cementing operations.

28. RU cmt services. Pmp 1,170 cuft of cmt (25% over openhole caliper vol fr/4,400' to surface csg shoe & 200' overlap into surface csg) as follows: 10 bbls fresh wtr, 368 sx Econolite cmt or similar (mixed at 11.2 ppg & 2.8 cuft/sx) tailed with 100 sx Class 'G' cmt or similar w/sufficient fluid loss control (mixed at 14.2 ppg & 1.4 cuft/sx). Displace w/fresh wtr +/- 1 bbl short of CIBP. Sting out of CIBP and dump +/- 1 bbl cmt on top of CIBP. Rev circ tbg clean. RDMO cmt services.

29. TOH w/2-3/8" tbg. LD setting tl. WOC min 24 hrs before drillout.

IF CMT IS CIRCULATED TO SURF THEN SKIP TO STEP 33, OTHERWISE:

30. MIRU WL trk.

31. Load hole w/2% KCl wtr.

32. Run GR/CCL/CBL log w/500 psig to determine TOC. **NOTE:** If TOC is not above surface csg shoe another squeeze will be required. TOC must be into the surface csg. RDMO WL trk.

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33. MIRU AFU. TIH with 4-3/4" bit, 4 – DC's & 2-3/8" tbg. DO CICR and cmt. CO to CIBP @ 4,250'. DO CIBP @ 4,250'. CO to CBP @ 5,980'. **DO NOT DRILL OUT CBP @ 5,980'**. Circ well clean w/2% KCl wtr.

34. TOH & LD DC's & bit.

35. TIH w/NC, SN & 2-3/8" tbg.

36. ND BOP. NU WH. Land EOT @ 5,880'.

37. RU to flow to tst tnk.

38. Swab well until well KO.

39. Flow tst min 3 hrs on fixed choke for IP tst. Record liq vols, FTP, SICP & choke size. SWI. Report rates and pressures to Ryan Lavergne

40. RDMO PU.

41. Schedule 1st delivery.

Flow well for min of 30 days and apply for DHC. DHC well once approved.

42. MIRU PU. ND WH. NU BOP

43. TOH w/NC, SN & 2-3/8" tbg.

44. TIH w/bit & 2-3/8" tbg. Tag fill if any (Report any fill to Ryan Lavergne). DO CBP @5,980'. Clean out to 6,840' PBTD.

45. TOH w/tbg & bit

46. TIH w/NC, SN & 2-3/8" tbg.

47. ND BOP. NU WH. Land EOT @ 6,600'

48. RDMO PU.

49. RWTP.

**JF DAY D #1F
MC COMPLETION & CMT REMEDIATION
SEC 20, T28N, R10W
SAN JUAN CO., NM**

Regulatory Requirements

New drill completion

Remedial workover sundry

Completion Report

Request for Allowable

DHC

Services

AFU

WL truck to perf, run plugs & logs

Acid & frac equip

Cmt services

Equipment List

3 – 400 bbl frac tnks

1 flowback tnk

4-DC's

4-3/4" bit

CBP

CIBP

CICR



