

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

MAR 26 2010

**Bureau of Land Management
Farmington Field Office**

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)
935' FNL & 1845' FEL NWNE Sec. 8 (B) - T27N-R11W N.M.P.M.

5. Lease Serial No.

NMSF-080382A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

SCHWERTFEGER 8 2E

9. API Well No.

30-045-32230

10. Field and Pool, or Exploratory Area
BASIN DAKOTA

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 checked="" type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other RC BASIN |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | MANCOS & PWOP |
| <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 recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markets 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 recompleation 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 recompleate to the Basin Mancos formation and put this well on pump per the attached procedure. Please also see the attached MC C102 plat.

RCVD MAR 31 '10

**OIL CONS. DIV.
DIST. 3**

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

DOLENA JOHNSON

Title **REGULATORY COMPLIANCE TECHNICIAN**

Signature

Date **03/24/2010**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date **MAR 29 2010**

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

NMOCDB 4-7-10

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.

Schwerdtfeger 8 #2E
Unit B, Sec 8, T 27 N, R 11 W
San Juan County, New Mexico

Open the Mancos

SURF CSG: 8-5/8", 24#, J-55, CSG @ 374'. CIRC CMT TO SURF.

PROD CSG: 5-1/2", 15.5#, J-55, ST&C CSG @ 6,820'. DV TL @ 4,088'. PBTB @ 6,773'.
CAPACITY = 0.0238 BBL/FT (0.1336 CUFT/FT).
BURST = 4,810 PSI (TREATING @ 80% = 3,840 PSI)

TBG: NC, SN, 199 JTS 2-3/8" TBG. EOT SET @ 6,696'. SN SET @ 6,675'.

PERFS: DAKOTA:
FR/6,423'-6,638' (22 shots).

Workover Procedure

- 1) Install and test rig anchors. Comply with all New Mexico OCD, BLM and XTO safety rules and regulations. Conduct safety meeting for all personnel on location. MIRU daylight pulling unit.
- 2) MI 2 - 400 bbl frac tanks and 1 flow back tank. Fill the frac tanks with 2% KCL water. Note: Have frac company run preliminary fluid quality tests and add biocide.
- 3) ND WH. NU BOP and test the BOP (must be rated to 5,000 psi, if not, we will replace it).
- 4) TOH with BHA. LD TAC.
- 5) Round trip a 4-3/4" bit and 5-1/2" casing scraper to 6,100', not a wireline gauge ring.
- 6) TIH with CBP and set at 6,100'.
- 7) Perf Mancos with 3-1/8" csg gun with 2 JSPF (Titan EXP-3323-361T, 22.7 gm, 0.36" dia., 35.63" pene, 36 holes) or equivalent performance charges. POH with csg gun.

Mancos Perfs	
PERF	PERF
6,054'	5,756'
6,050'	5,753'
6,045'	5,739'
6,012'	5,693'
6,010'	5,691'
6,005'	5,687'
5,846'	5,659'
5,843'	5,613'
5,778'	5,605'

- 8) TIH with a retrievable tension packer (5 1/2" Baker Arrow-set Fullbore with SN and SV) on 3-1/2" N-80 work string and set at 5,500'. Load back side with KCl water.

3-1/2" N-80 workstring: Capacity-0.0087 bbls/ft Burst-8,100 psi (80% yield)

- 9) NU frac valve.

- 10) MIRU frac equipment. Install a pressure transducer on backside to monitor during stimulation job. PT surface equip to 7,000 psi. BD perfs with fresh water and EIR. Acidize Mancos perfs with 1,500 gals of 7.5% NEFE HCl acid (FE control, surf & CL additives) and 54 – Bio-balls @ 12 BPM down 3-1/2" work string. Flush with 3,960 gals fresh water (3 bbls over flush). Record ISIP, 5", and 10" SIPs.

- 11) Frac Mancos perfs fr/5,605'-6,054' down 3-1/2" work string at 30 BPM. Pump 60Q N2 foam gelled fluid (Delta-R Foam Frac) w/76,500# 20/40 BASF proppant followed by 13,500# 20/40 BASF proppant coated with Expedite Lite. Flush with 3,300 gals (2 bbls short of top perf). Est. TP 5,700' psig. Pump frac @ 30 BPM. Max TP @ 6,500 psig. Frac schedule:

Mancos Frac Schedule						
Stage	BPM	Fluid	Foam Vol.	Clean Vol. (gal)	Prop	Cum. Prop
Water	5	2% KCl Water	-	500	-	-
Acid	12	7.5% HCL Acid	-	1,500	-	-
Flush	12	2% KCl Water	-	3,960	-	-
Pad	30	Delta-R Foam Frac (13)	11,000	4,400	-	-
0.5 ppg	30	Delta-R Foam Frac (13)	18,000	7,200	9,000# 20/40	9,000# 20/40
1 ppg	30	Delta-R Foam Frac (13)	9,000	3,600	9,000# 20/40	18,000# 20/40
2 ppg	30	Delta-R Foam Frac (13)	11,250	4,500	22,500# 20/40	40,500# 20/40
3 ppg	30	Delta-R Foam Frac (13)	12,000	4,800	36,000# 20/40	76,500# 20/40
3 ppg	30	Delta-R Foam Frac (13)	4,500	1,800	13,500# 20/40 w/ Expedite Lite	90,000# 20/40
Flush	30	2% KCl Water	-	3,300	-	-
Total		65,750 gals Delta-R		35,560		90,000# 20/40

Record ISIP & 5" SIP.

- 12) RDMO frac equipment.

- 13) Install flowback manifold. Flowback well thru a choke manifold to flowback tank. Start with an 8/64" choke. Increase choke size as appropriate. Record the final shut in pressure to be used for the C-104.

- 14) ND frac valve.

- 15) Release packer and TOH.

- 7
- 16) TIH w/4-3/4" bit, bit sub, and 2-3/8" tubing. CO to CBP (6,100). DO CBP @ 6,100'. CO to 6,773' (PBTD). Circulate wellbore clean. TOH w/tbg & bit.
 - 17) TIH with tubing BHA as follows:
 - a) 1- 5-1/2" TECH TAC, open ended
 - b) 1- 2-3/8" jt w/ 1/2" vent hole located 1' from top
 - c) 2-3/8" (1.78" ID) API SN
 - d) \pm 205 jts - 2-3/8" tubing to surface, EOT @ 6,680', SN @ 6,650'. TAC @ 6,680'
 - 18) ND BOP. NU WH.
 - 19) TIH with rod assembly as follows:
 - 2" X 1-1/4" X 14' RHAC pump w/1" x 1' stnr nip
 - 1 - 1-1/4" API K sinker bar with stabilizer rod
 - 3/4" - 21K shear tool
 - 5 - 1-1/4" API K sinker bars with stabilizer rods
 - 24 - 3/4" API D Molded Guide Rods w/ T-couplings
 - 236 - 3/4" API D Rods w/ T-couplings
 - 1-1/4" X 22' Polished Rod w/ 10' liner
 - 20) Space out pump with spacer subs. Load tubing and long stroke with rig to ensure pump action. HWO.
 - 21) RDMO PU.
 - 22) Set 4 - 3CRO counter weights 7.4" from the end of crank. (see attached S-rod run)
 - 23) Gauge tanks. Shoot FL and run dynamometer during pumping unit startup. Start well pumping at 4 SPM and 74" SL for 24 hours. Check fluid level and tank gauges.
 - 24) Report pre and post start up data to Derick Lucas

Regulatory:

1. Acquire approval to recomplete to the Gallup
2. DHCM Dakota & Mancos
3. Acquire approval of C-144

Equipment:

- 4-3/4" bit & bit sub
- 1 – 5-1/2" Composite Bridge Plug
- 5-1/2" Baker Arrow-set Fullbore with SN and SV (on 3-1/2" work-string)
- 3-1/2" N-80 work-string (5,500')

Rods:

- 2" X 1-1/4" X 14' RHAC pump w/1" x 1' stnr nip
- 1 – 1-1/4" API K sinker bar with stabilizer rod
- 3/4" – 21K shear tool
- 5 - 1-1/4" API K sinker bars with stabilizer rods
- 24 - 3/4" API D Molded Guide Rods w/ T-couplings
- 236 – 3/4" API D Rods w/ T-couplings
- 1-1/4" X 22' Polished Rod w/ 10' liner

District I
1625 N. French Dr., Hobbs, NM 88240

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
Fee Lease - 3 Copies
State Lease - 4 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-32230		² Pool Code 97232		³ Pool Name BASIN MANCOS	
⁴ Property Code 030340		⁵ Property Name SCWERDTFEGER 8			⁶ Well Number 2E
⁷ OGRID No. 5380		⁸ Operator Name XTO Energy, Inc.			⁹ Elevation 6136'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	8	27-N	11-W		935'	NORTH	1845'	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
SAME									

¹² Dedicated Acres MC: 320 acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true & complete to the best of my knowledge & belief and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
	Signature
	Printed Name DOLENA JOHNSON
	Title REGULATORY COMP TECH
	Date 03/24/2010
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true & correct to the best of my belief.
	Date of Survey 6/23/1984
	Original Survey Signed By: John A. Vukonich
	Certificate Number 14831