

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.

RECEIVED

SUBMIT IN TRIPLICATE - Other instructions on page 2

JUL 13 2010

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)

1846' FNL & 1850' FEL SWNE SEC.17 (G) -T28N-R10W N.M.P.M.

5 Lease Serial No

NMSF-047039B

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

FEDERAL E #1

9 API Well No.

30-045-07481

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 type="checkbox"/> Other          |
| <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |   |
| <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 recomplete 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 recompletion 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 recomplete this well to the Basin Mancos zone per the attached procedure.

Please also see the attached C-102 plat for the Basin Mancos.

RCVD JUL 15 '10

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 7/12/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

JUL 13 2010

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.

**Federal E#1  
Sec 17, T28N, R10W  
San Juan County, New Mexico**

**Recomplete Mancos and PWOP**

**SURF CSG:** 10-3/4", 32.75#, H-40, CSG @ 260'. CIRC CMT TO SURF.

**INTER CSG:** 7-5/8" 26.4#, N-80 CSG @ 4,480'. DV TL @ 2,236. CMT 1<sup>ST</sup> STAGE W/ 200 SX, TOC UNKNOWN. CMT 2<sup>ND</sup> STAGE W/ 150 SX, TOC @ 1,604' (TEMP SURVEY)

**PROD CSG:** 5-1/2", 15.5#, J-55 **LINER** FR/4,365'-6,600'. PBTD @ 6,568'. CMT W/ 350 SX, TOC @ 4,605' (TEMP SURVEY).  
CAPACITY = 0.0159 BBLS/FT (0.0895 CUFT/FT).  
BURST = 4,790 PSI (TREATING @ 80% = 3,830 PSI)

**TBG:** 203 JTS 2-3/8" J-55, 6.4# SET @ 6,466'

**PERFS:** DAKOTA:  
FR/6,309'-6,560'

**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 3 - 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. TOH with BHA and tbg.
- 4) Round trip a 4-3/4" bit and 5-1/2" casing scraper to 5,950'.
- 5) TIH with CBP and set at 5,950'.
- 6) Perf Mancos with 3-1/8" csg gun at 1 JSPF (Titan EXP-3323-361T, 22.7 gm, 0.36" dia., 35.63" pene, 25 holes) or equivalent performance charges. POH with csg gun.

Mancos Perfs					
5,861'		5,790'		5,667'	5,559'
5,852'		5,778'		5,660'	5,551'
5,826'		5,748'		5,639'	5,540'
5,816'		5,728'		5,637'	5,531'
5,800'		5,687'		5,600'	5,522'

- 7) TIH with a retrievable tension packer (5-1/2" Baker Arrow-set Fullbore with SN and SV) on 3-1/2" workstring and set at 5,400'. Load backside with 2% KCl water

- 3-1/2" N-80, 9.2#, workstring: Capacity- 0.0087 bls/ft Burst- 8,400 (80% yield)

8) NU 5K frac valve.

9) MIRU frac equipment. BD perms with 2% KCl water and EIR. Acidize Mancos perms with 1,500 gals of 15% NEFE HCl acid (FE control, surf & CL additives) and 38 - 1.1 SG Bioballs @ 12 BPM down tubing. Flush with 2,410 gals 2% KCl water (3 bbls over flush). Record ISIP, 5", and 10" SIPs. Wait for 30 min for Bioballs to dissolve.

10) Frac Mancos perms fr/5,495'-5,861' down tubing at 20 BPM. Pump 65Q N2 foam gelled fluid (Delta-140 Foam Frac) w/106,250# 20/40 BASF proppant followed by 18,750# 20/40 BASF proppant coated with Expedite Lite. Flush with 2,005 gals (0.75 bbls short of top perf). Est. TP 4,700 psig. Pump frac @ 20 BPM. Max TP @ 5,000 psig. Frac schedule:

Mancos Frac Schedule						
Stage	BPM	Fluid	Foam Vol.	Clean Vol. (gal)	Prop	Cum Prop
Water	5	2% KCl Water	-	500	-	-
Acid	5	15% HCL Acid	-	1,500	-	-
Flush	12	2% KCl Water	-	2,410	-	-
Pad	20	Delta-R Foam Frac (13)	15,220	4,570	-	-
0.5 ppg	20	Delta-R Foam Frac (13)	25,000	7,500	12,500# 20/40	12,500# 20/40
1 ppg	20	Delta-R Foam Frac (13)	12,500	3,750	12,500# 20/40	25,000# 20/40
2 ppg	20	Delta-R Foam Frac (13)	15,625	4,690	31,250# 20/40	56,250# 20/40
3 ppg	20	Delta-R Foam Frac (13)	16,700	5,010	50,000# 20/40	106,250# 20/40
3 ppg	20	Delta-R Foam Frac (13)	6,250	1,875	18,750# 20/40 w/ Expedite Lite	125,000# 20/40
Flush	20	2% KCl Water	-	2,005	-	-
Total		91,300 gals Delta-R		33,810		125,000# 20/40

Record ISIP & 5" SIP.

11) Install flowback manifold. Flow back well through 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.

12) ND frac valve.

13) Release packer and TOH.

14) MIRU AFU. TIH w/4-3/4" bit, bit sub, and 2-3/8" tubing. CO to CBP (5,950'). DO CBP and CO to PBTB (6,568'). DO 20' for new PBTB of 6,588'. Circulate wellbore clean. RDMO AFU. TOH w/tbg & bit.

15) TIH with tubing & BHA as follows:

- 1- 20'- 2-3/8" jt w/ 1/2" vent hole located 1' from top
- 2- 2-3/8" (1.78" ID) API SN
- 10 - jts 2-3/8" tbg
- 1 - 5-1/2" TAC
- ±196 jts - 2-3/8" tubing to surface, EOT @ 6,565', SN @ 6,545', TAC @ 6,240.

16) ND BOP. NU WH.

17) TIH with rod assembly as follows:

- 2" X 1-1/4" X 16' X 2' RWAC pump
- 3/4" X 4' Guided rod sub w/ mold-on guides
- 3/4" – 21,000lb HF shear tool
- 6 - 1-1/4" API K sinker bars with stabilizer rods
- 26 - 3/4" API D Molded Guide Rods w/ T-couplings
- 230- 3/4" API D Rods w/ T-couplings
- 1-1/4" X 22' Polished Rod w/ 10' liner

18) Space out pump with spacer subs. Load tubing and long stroke with rig to ensure good pump action. HWO.

19) RDMO PU.

20) Set a used Lufkin C-160-200-74 pumping unit with an Arrow C-96 engine (or equivalent) & cement base.

21) Set unit in crank hole & sheave meter so it will pump @ 3 x 74" spm.

22) Set 4-3CRO counter weights 8.5" from the end.

23) Gauge tanks. Shoot FL and run dynamometer during pumping unit startup. Start well pumping at 3 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 Mancos
2. Acquire approval of DHC allocations

**Equipment:**

- 4-3/4" bit & bit sub and AFU
- 1 – 5-1/2" CBP
- 5-1/2" retrievable tension packer on 5,400' 3-1/2" workstring
- Used C-160-200-74 pumping unit with an Arrow C-96 engine (or equivalent) & cement base.
- 5K frac valve

**Rods:**

- 2" X 1-1/4" X 16' X 2' RWAC pump
- 3/4" X 4' Guided rod sub w/ mold-on guides
- 3/4" – 21,000lb HF shear tool
- 6 - 1-1/4" API K sinker bars with stabilizer rods
- 26 - 3/4" API D Molded Guide Rods w/ T-couplings
- 230- 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 &amp; 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

<sup>1</sup> API Number 30-045-07481	<sup>2</sup> Pool Code 97232	<sup>3</sup> Pool Name BASIN MANCOS
<sup>4</sup> Property Code 022700	<sup>5</sup> Property Name FEDERAL E	<sup>6</sup> Well Number #1
<sup>7</sup> OGRID No. 5380	<sup>8</sup> Operator Name XTO Energy, Inc.	<sup>9</sup> Elevation 5,888

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	17	28N	10W		1846'	NORTH	1,850'	EAST	SAN JUAN

<sup>11</sup> 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									

<sup>12</sup> Dedicated Acres MC 320 AC	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

	<sup>17</sup> 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 TEENA M. WHITING
	Title REGULATORY COMP TECH
	Date 7/12/2010
	<sup>18</sup> 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. Vukovich
	Certificate Number 14831