

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
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 reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No 14206031433
2. Name of Operator XTO ENERGY INC Contact: DOLENA (DEE) JOHNSON E-Mail: dee_johnson@xtoenergy.com		6. If Indian, Allottee or Tribe Name EASTERN NAVAJO
3a. Address 382 CR 3100 AZTEC, NM 87410	3b. Phone No. (include area code) Ph: 505-333-3164	7. If Unit or CA/Agreement, Name and/or No. NMNM75920
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 15 T25N R11W SWSE 0790FSL 1450FEL 36.39578 N Lat, 107.98680 W Lon		8. Well Name and No CANYON 7
		9. API Well No 30-045-21421-00-S1
		10. Field and Pool, or Exploratory <del>UNNAMED</del> Basin Mancos
		11. County or Parish, and State SAN JUAN COUNTY, NM

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<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 recompleate 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 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 site is ready for final inspection.)

XTO Energy Inc. proposes to recompleate the Basin Manco formation of this and put it on pump per the attached procedure. Please also see the attached C102 plat.

An E 1/2 CA will be required in the Mancos

RCVD MAR 23 '10

OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct Electronic Submission #82923 verified by the BLM Well Information System For XTO ENERGY INC, sent to the Farmington Committed to AFMSS for processing by JIM LOVATO on 03/19/2010 (10JXL0071SE)	
Name (Printed/Typed) DOLENA (DEE) JOHNSON	Title REGULATORY COMPLIANCE TECHNICI
Signature (Electronic Submission)	Date 03/18/2010

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By JIM LOVATO	Title PETROLEUM ENGINEER	Date 03/22/2010
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 Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

NMOCDO

**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**

<sup>1</sup> API Number 30-045-21421	<sup>2</sup> Pool Code 97232	<sup>3</sup> Pool Name BASIN MANCOS
<sup>4</sup> Property Code 022669	<sup>5</sup> Property Name CANYON	<sup>6</sup> Well Number 7
<sup>7</sup> OGRID No. 5380	<sup>8</sup> Operator Name XTO Energy, Inc.	<sup>9</sup> Elevation 6413'

<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
0	15	25-N	11-W		790'	SOUTH	1450'	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 acres	<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>I hereby certify that the information contained herein is true &amp; complete to the best of my knowledge &amp; 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</i>
	Signature 
	Printed Name DOLENA JOHNSON
	Title REGULATORY COMP TECH
	Date 03/18/2010
	<sup>18</sup> SURVEYOR CERTIFICATION <i>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 &amp; correct to the best of my belief.</i>
	Date of Survey 6/23/1984
	Original Survey Signed By: John A. Vukonich
	Certificate Number 14831

WFL \_\_\_\_\_  
TJF \_\_\_\_\_

**Canyon #7**  
**Sec 15, T 25 N, R 11 W**  
**San Juan County, New Mexico**

**Recomplete Mancos and PWOP**

**SURF CSG:** 8-5/8", 24#, K-55, STC CSG @ 617'. CIRC CMT TO SURF.

**PROD CSG:** 5-1/2", 15.5#, K-55, ST&C CSG @ 5,961'. DV TL @ 4,008'. PBD @ 5,930'.  
CAPACITY = 0.0238 BBLs/FT (0.1336 CUFT/FT).  
BURST = 4,810 PSI (TREATING @ 80% = 3,848 PSI)

**CEMENT:** 1ST STAGE W/ 146 SX 50:50 POZ. TAILED W/ 100 SX CLASS "A". GOOD CIRC.  
2ND STAGE W/ 450 SX 50:50 POZ. TAILED W/ 50 SX CLASS "A". CIRC TO SURF.

**TBG:** 180 JTS 2-3/8" SET @ 5,797'

**PERFS:** DAKOTA:  
FR/5,789'-5,800', 5,809'-20' W/2 JSPF.

**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.
- 4) TOH with BHA.
- 5) Round trip a 4-3/4" bit and 5-1/2" casing scraper to 5,300', not a wireline gauge ring.
- 6) TIH with CBP and set at 5,300'
- 7) ND BOP. NU frac valve.
- 8) RDMO PU.
- 9) Perf Mancos with 3-1/8" csg gun with 2 JSPF (Titan EXP-3323-361T, 22.7 gm, 0.36" dia., 35.63" pene, 22 holes) or equivalent performance charges. POH with csg gun.

Mancos Perfs
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PERF	PERF
4,941'	4,835'
4,939'	4,833'
4,886'	4,830'
4,879'	4,752'
4,877'	4,750'
4,837'	

- 10) MIRU frac equipment. BD perfs with 2% KCl water and EIR. Acidize Mancos perfs with 1,500 gals of 15% NEFE HCl acid (FE control, surf & CL additives) and 33 - 1.1 SG RCN BS @ 12 BPM down casing. Flush with 5,390 gals 2% KCl water (3 bbls over flush). Record ISIP, 5", and 10" SIPs. RIH w/junk basket past perfs.
- 11) Frac Mancos perfs fr/4,941'-4,750' down casing at 30 BPM. Pump 70Q N2 foam gelled fluid (Delta-140 Foam Frac) w/72,250# 20/40 BASF proppant followed by 12,750# 20/40 BASF proppant coated with Expedite Lite. Flush with 4,660 gals (2 bbls short of top perf). Est. TP 3,000 psig. Pump frac @ 30 BPM. Max TP @ 3,830 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	7.5% HCL Acid	-	1,500	-	-
Flush	12	2% KCl Water	-	5,390	-	-
Pad	30	Delta-R Foam Frac (13)	10,335	3,101	-	-
0.5 ppg	30	Delta-R Foam Frac (13)	17,000	5,101	8,500# 20/40	8,500# 20/40
1 ppg	30	Delta-R Foam Frac (13)	8,500	2,550	8,500# 20/40	17,000# 20/40
2 ppg	30	Delta-R Foam Frac (13)	10,625	3,188	21,250# 20/40	38,250# 20/40
3 ppg	30	Delta-R Foam Frac (13)	11,300	3,390	34,000# 20/40	72,250# 20/40
3 ppg	30	Delta-R Foam Frac (13)	4,250	1,275	12,750# 20/40 w/ Expedite Lite	85,000# 20/40
Flush	30	2% KCl Water	-	4,660	-	-
Total		65,750 gals Delta-R		30,655		85,000# 20/40

Record ISIP & 5" SIP.

- 12) 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.
- 13) MIRU PU. ND frac valve. NU BOP.
- 14) TIH w/4-3/4" bit, bit sub, and 2-3/8" tubing. CO to CBP (5,300'). DO CBP @ 5,300'. CO to 5,930' (PBSD). Circulate wellbore clean. TOH w/tbg & bit.
- 15) TIH with tubing & BHA as follows:

- a) 1- 5-1/2" TECH TAC (open ended)
- b) 1- 30'- 2-3/8" jt w/ 1/2" vent hole located 1' from top
- c) 2-3/8" (1.78" ID) API SN
- d)  $\pm 183$  jts - 2-3/8" tubing to surface, EOT @ 5,885', SN @ 5,850', TAC @ 5,880'.

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
- 24 - 3/4" API D Molded Guide Rods w/ T-couplings
- 204- 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 pump action.  
HWO

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

20) Set unit in crank hole & sheave meter so it will pump @ 4 x 74" spm

21) Set 4- 3CRO counter weights 16.4" from end of crank (see attached S-rod run).

22) RDMO PU.

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

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**Regulatory:**

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

**Equipment:**

- 4-3/4" bit & bit sub
- 1 – 5-1/2" Cast Iron Bridge Plug

**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
- 24 - 3/4" API D Molded Guide Rods w/ T-couplings
- 204- 3/4" API D Rods w/ T-couplings
- 1-1/4" X 22' Polished Rod w/ 10' liner