Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.

5. Lease Serial No.
NOOC14203611

6. If Indian, Allottee or Tribe Name
EASTERN NAVAJO

7. If Unit or CA/Agreement, Name and/or No.
NMNM75814

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
CANYON 6

2. Name of Operator
XTO ENERGY INC
Contact: DOLENA (DEE) JOHNSON
E-Mail: dee_johnson@xtoenergy.com

9. API Well No
30-045-21300-00-S1

3a. Address
382 CR 3100
AZTEC, NM 87410

3b. Phone No. (include area code)
Ph: 505-333-3164

10. Field and Pool, or Exploratory
BASIN Mancos

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 11 T25N R11W SWSW 0800FSL 0800FWL
36.41037 N Lat, 107.97903 W Lon

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			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☒ Recomplete	☐ Other
	☐ 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 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 site is ready for final inspection.)

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

– A W/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 #82918 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 (10JXL0070SE)

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 ****

NMOCD

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	[2] Pool Code	[3] Pool Name
30-045-21300	97232	BASIN MANCOS

[4] Property Code	[5] Property Name	[6] Well Number
022669	CANYON	6

[7] OGRID No.	[8] Operator Name	[9] Elevation
5380	XTO Energy. Inc.	6340'

[10] Surface Location

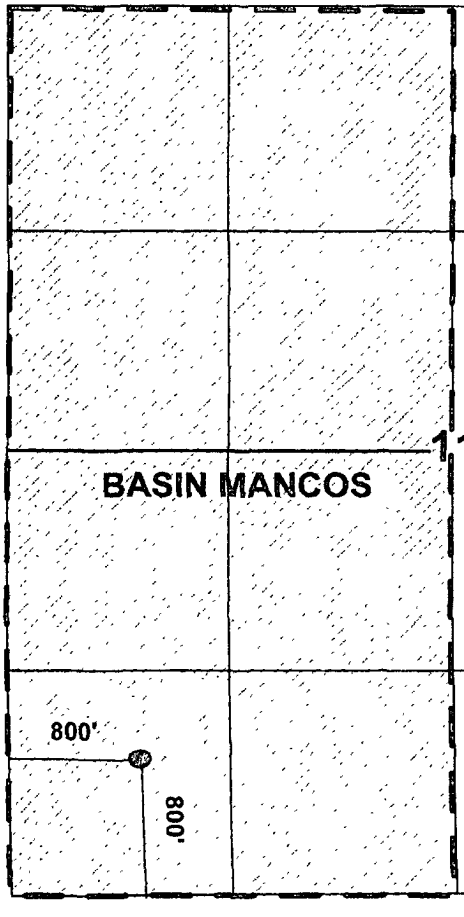
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	11	25-N	11-W		800'	SOUTH	800'	WEST	SAN JUAN

[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	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
MC: 320 acres			

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: Dolena Johnson

Printed Name: DOLENA JOHNSON

Title: REGULATORY COMP TECH

Date: 03/18/2010

[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.

6/23/1984
Date of Survey

Original Survey Signed By:

John A. Vukonich

14831
Certificate Number

WFL_____
TJF_____

Canyon #6
Sec 11, 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 @ 641'. CIRC CMT TO SURF.

PROD CSG: 5-1/2", 15.5#, K-55, ST&C CSG @ 5,933'. DV TL @ 2,144'. PBTD @ 5,902'.
CAPACITY = 0.0238 BBLS/FT (0.1336 CUFT/FT).
BURST = 4,810 PSI (TREATING @ 80% = 3,848 PSI)

CEMENT: 1ST STAGE W/ 300 SX CL "B", 50:50 POZ. 2ND STAGE W/ 275 SX 65:35 POZ. CIRC TO SURF.

TBG: 2-3/8" NC, 1 JT 2-3/8", 4.7#, J-55, EUE, 8RD TBG, SN, 186 JTS 2-3/8", 4.7#, J-55, EUE, 8RD TBG. EOT @ 5,870' KB. SN @ 5,840' KB.

PERFS: DAKOTA:
FR/5,855'-79' W/2 JSPF.
FR/5,889'-90' W/3 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 5,400', not a wireline gauge ring.

6) TIH with CBP and set at 5,400'

7) ND BOP. NU frac valve.

8) MIRU WL. RU full lubricator.

9) Perf Lower Mancos with 3-1/8" csg gun with 4 JSPF (Titan EXP-3323-361T, 22.7 gm, 0.36" dia., 35.63" pene, 33 holes) or equivalent performance charges. POH with csg gun.

Lower Mancos Perfs
5,324'- 5,316'

10) MIRU frac equipment. BD perfs with fresh water and EIR. Acidize Lower Mancos perfs with 750 gals of 15% NEFE HCl acid (FE control, surf & CL additives). Flush with 5,445 gals fresh water (3 bbls over flush). Record ISIP, 5", and 10" SIPs.

11) Frac Lower Mancos perfs fr/5,324'-5,316' down casing at 30 BPM. Pump Water Frac G – R (15) fluid w/34,000# 20/40 BASF proppant followed by 6,000# 20/40 BASF proppant coated with Expedite Lite. Flush with 5,230 gals (2 bbls short of top perf). Est. TP 1,600 psig. Pump frac @ 30 BPM. Max TP @ 3,800 psig. Frac schedule:

Lower Mancos Frac Schedule					
Stage	BPM	Fluid	Clean Vol. (gal)	Prop	Cum. Prop
Water	5	2% KCl Water	500	-	-
Acid	12	15% HCL Acid	750	-	-
Flush	12	2% KCl Water	5,445	-	-
Pad	30	Water Frac G - R (15)	4,860	-	-
0.5 ppg	30	Water Frac G - R (15)	8,000	4,000# 20/40	4,000# 20/40
1 ppg	30	Water Frac G - R (15)	4,000	4,000# 20/40	8,000# 20/40
2 ppg	30	Water Frac G - R (15)	5,000	10,000# 20/40	18,000# 20/40
3 ppg	30	Water Frac G - R (15)	5,330	16,000# 20/40	34,000# 20/40
3 ppg	30	Water Frac G - R (15)	2,000	6,000# 20/40 w/ Expedite Lite	40,000# 20/40
Flush	30	2% KCl Water	5,230	-	-
Total				40,000# 20/40	

Record ISIP & 5" SIP.

12) TIH with a 5-1/2" CBP on wireline and set @ 5,075'.

13) Perf Upper Mancos with 3-1/8" csg gun with 2 JSPF (Titan EXP-3323-361T, 22.7 gm, 0.36" dia., 35.63" pene, 26 holes) or equivalent performance charges. POH with csg gun.

Upper Mancos Perfs	
PERF	PERF
5,023'	4,906'
5,021'	4,902'
4,967'	4,848'
4,959'	4,816'
4,914'	4,813'
4,911'	4,810'
4,908'	

14) MIRU frac equipment. BD perfs with fresh water and EIR. Acidize Upper Mancos perfs with 1,500 gals of 15% NEFE HCl acid (FE control, surf & CL additives) and 39 - 1.1 SG RCN BS @ 12 BPM

down casing. Flush with 5,140 gals fresh water (3 bbls over flush). Record ISIP, 5", and 10" SIPs. RIH w/gauge ring and junk basket past perfs.

15) Frac Upper Mancos perfs fr/5,023'-4,810' down casing at 30 BPM. Pump 70Q N2 foam gelled fluid (Delta-140 Foam Frac) w/76,500# 20/40 BASF proppant followed by 13,500# 20/40 BASF proppant coated with Expedite Lite. Flush with 4,724 gals (2 bbls short of top perf). Est. TP 3,400 psig. Pump frac @ 30 BPM. Max TP @ 3,830 psig. Frac schedule:

Upper Mancos Frac Schedule						
Stage	BPM	Fluid	Foam Vol.	Clean Vol. (gal)	Prop	Cum. Prop
Water	5	2% KCl Water	-	500	-	-
Acid	12	15% HCL Acid	-	1,500	-	-
Flush	12	2% KCl Water	-	5,140	-	-
Pad	30	Delta-R Foam Frac	11,000	3,300	-	-
0.5 ppg	30	Delta-R Foam Frac	18,000	5,400	9,000# 20/40	9,000# 20/40
1 ppg	30	Delta-R Foam Frac	9,000	2,700	9,000# 20/40	18,000# 20/40
2 ppg	30	Delta-R Foam Frac	11,250	3,400	22,500# 20/40	40,500# 20/40
3 ppg	30	Delta-R Foam Frac	12,000	3,600	36,000# 20/40	76,500# 20/40
3 ppg	30	Delta-R Foam Frac	4,500	1,400	13,500# 20/40 w/ Expedite Lite	90,000# 20/40
Flush	30	2% KCl Water	-	4,724	-	-
Total	65,750 gals Delta-R			31,600	90,000# 20/40	

Record ISIP & 5" SIP.

16) 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.

17) ND frac valve. NU BOP.

18) TIH w/4-3/4" bit, bit sub, and 2-3/8" tubing. CO to CBP (5,075'). DO CBP @ 5,075'. CO to CBP (5,400'). DO CBP @ 5,400'. CO to 5,902' (PBTD). DO shoe joint to 5,920' (New PBTD). Circulate wellbore clean. TOH w/tbg & bit.

19) TIH with tubing & BHA as follows:
   a) 1- 10'- 2-3/8" jt w/ 1/2" vent hole located 1' from top (open ended)
   b) 2-3/8" (1.78" ID) API SN
   c) 5- jts 2-3/8" tbg
   d) 1- 5-1/2" TECH TAC
   e) ±178 jts - 2-3/8" tubing to surface, EOT @ 5,900 ', SN @ 5,890', TAC @ 5,710'.

20) ND BOP. NU WH.

21) 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
    - 155- 3/4" API D Rods w/ T-couplings
    - 50- 7/8" API D Rods w/ T-couplings
    - 1-1/4" X 22' Polished Rod w/ 10' liner

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

23) RDMO PU.

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

25) Set unit in crank hole & sheave meter so it will pump @ 4 x 74" spm. Set 4 3-CRO counter weights 16" away from end of crank.

26) 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.

27) Report pre and post start up data to Derick Lucas

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" CIBP
- 2 – 5-1/2" CBP

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
- 155- 3/4" API D Rods w/ T-couplings

- 50- 7/8" API D Rods w/ T-couplings
- 1-1/4" X 22' Polished Rod w/ 10' liner