

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OIL CONS. DIV DIST. 3

DEC 24 2015

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.*

5. Lease Serial No.  
NMNM12759

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
CANYON SWD 1

9. API Well No.  
30-045-34454-00-S1

10. Field and Pool, or Exploratory  
BLANCO MESAVERDE

11. County or Parish, and State  
SAN JUAN COUNTY, NM

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well  
 Oil Well  Gas Well  Other: UNKNOWN OTH

2. Name of Operator  
XTO ENERGY INC  
Contact: RHONDA SMITH  
E-Mail: rhonda\_smith@xtoenergy.com

3a. Address  
ENGLEWOOD, CO 80155

3b. Phone No. (include area code)  
Ph: 505-333-3215

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 35 T26N R11W SESW 845FSL 1945FWL  
36.439580 N Lat, 107.975872 W Lon

**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 checked="" type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input 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 site is ready for final inspection.)

In regards to the recent failed Mechanical Integrity test XTO Energy Inc. proposes to repair the casing leak per the attached procedure. Please see attached Current Wellbore diagram.

NMOCD Reference #: RBDMS MPK1533831135

**Notify NMOCD 24 hrs  
prior to beginning  
operations**

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

**BLM'S APPROVAL OR ACCEPTANCE OF THIS  
ACTION DOES NOT RELIEVE THE LESSEE AND  
OPERATOR FROM OBTAINING ANY OTHER  
AUTHORIZATION REQUIRED FOR OPERATIONS  
ON FEDERAL AND INDIAN LANDS**

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #326642 verified by the BLM Well Information System  
For XTO ENERGY INC, sent to the Farmington  
Committed to AFMSS for processing by ABDELGADIR ELMADANI on 12/18/2015 (16AE0160SE)

Name (Printed/Typed) RHONDA SMITH Title REGULATORY CLERK

Signature (Electronic Submission) Date 12/17/2015

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By ABDELGADIR ELMANDANI Title PETROLEUM ENGINEER Date 12/18/2015

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 RV**

BRB \_\_\_\_\_  
MTG \_\_\_\_\_  
Approved \_\_\_\_\_

**Canyon SWD #1  
Sec 35, T 26 N, R 11 W  
San Juan County, New Mexico  
12/8/2015**

**Casing Repair Procedure**

**AFE Number:** 1507824  
**Spud Date:** 9/15/2009  
**Surface Casing:** 9-5/8", 36#, J-55 csg @ 1,234'. Cmt'd w/485 sx. Circ 60 bbls cmt to surf.  
**Production Casing:** 7", 26#, L-80 csg @ 4,202.5'. Cmt'd 1<sup>st</sup> stage w/180 sx Class G cmt. Circ 10 bbls cmt to surf. Cmt'd 2<sup>nd</sup> stage w/345 sx Class G cmt. Circ 20 bbls cmt to surf.  
*Capacity: .0382 bbls/ft or 1.607 gal/ft*  
**Production Tubing:** 2-7/8", L-80, IPC 505 string  
**Packer:** Baker Sabre mechanical w/on-off tl w/2.33" X-profile nip.  
**Nipples:** 2.31" XN-nip @ 3,856'. 2.31" X-nip @ 3,847'. 2.31" X-nip @ 3,799'.  
**Perforations:** Point Lookout: 3,937' – 4,072'  
**PBTD:** 4,170'

*\*Notify NMOCD & BLM 24 hours prior to cementing operations\**

1. Check for COA's and approved NOI before beginning operations.
2. Test rig anchors.
3. Set flowback tank.
4. MIRU completion rig. Review JSA.
5. Determine kill weight. Release on-off tool and circulate kill fluid. Relatch on-off tool.
6. ND WH. NU & FT BOP.
7. Unset packer and TOH. Send packer to be redressed.
8. TIH bit & string mill to 4,072'. TOH.
9. TIH RBP & pkr and isolate casing leak. Establish injection rate into leak. TOH.

*\*Contact engineer with results\**

Formation	Top of Formation (ft)
Ojo Alamo	477
Kirtland	586
Fruitland Coal	884
Pictured Cliffs	1460
Lewis	1731
Chacra	2303
Mesaverde	2969
Mancos	4126

10. TIH 7" CIBP and set within 100' of the bottom casing leak. TOH.
11. TIH 7" CICR and set within 50' of the top casing leak. Sting out of CR and circulate hole clean.

*\*Contact NMOCD and BLM with plan of action\**

12. MIRU Cementing Services. Review JSA.
13. Reestablish injection rate into leak.
14. Mix and pmp 300 sx of Class B neat cement into leak.
15. Sting out of CR and reverse circulate to pit. TOH tbg.

*\*WOC for 24 hours\**

16. TIH bit and DO CR and cement to below leaks.
17. Attempt to pressure test casing to surface to 550 psig with chart for 30 minutes. If casing doesn't pressure test, contact engineer.

*\*Submit chart to NMOCD and BLM for approval\**

18. Continue DO through CIBP. TOH.
19. TIH same tubing design as before. **Set packer 2 jts lower @ ±3,905'**. Use 2-7/8", L-80, TK-99 fr/XTO's yard. EOT @ ±3,922'.
20. Release on-off tl and circulate packer fluid. Relatch on-off tool.

*\*Contact NMOCD to witness TCA MIT\**

21. Attempt to pressure test the TCA to 550 psig with chart for 30 minutes. If casing doesn't pressure test, contact engineer.
22. ND BOP. NU WH.
23. RDMO completion rig.
24. RWTI

## Checklist

### Regulatory:

1. Submit a post-work sundry on form C-103.

### Equipment:

1. 1 flowback tank
2. bit and string mill
3. 7" Packer
4. 7" RBP
5. 7" cement retainer
6. 7" CIBP
7. 300 sx Class "B" cement

### Services:

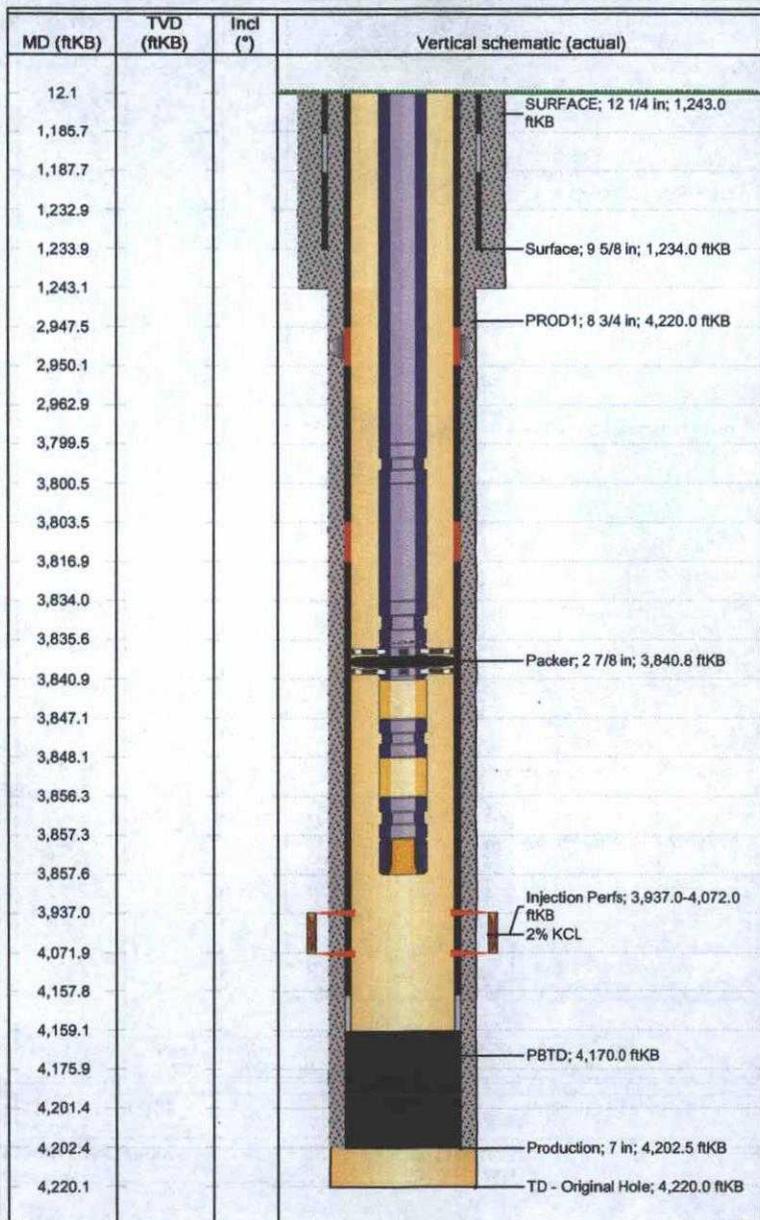
1. Completion rig
2. Cement truck



## Downhole Well Profile - with Schematic

Well Name: Canyon SWD 01

API/UWI 30045344540000	XTO Accounting ID 701188	Permit Number	State/Province New Mexico	County San Juan
Location T26N-R11W-S35	Spud Date 9/15/2009 19:45	Original KB Elevation (ft) 6,341.00	Ground/Corrected Ground Elevation (ft) 6,329.00	KB-Ground Distance (ft) 12.00



Wellbores							
Wellbore Name Original Hole		Parent Wellbore Original Hole		Wellbore API/UWI 30-045-34454			
Start Depth (ftKB) 12.0		Profile Type Vertical		Kick Off Depth (ftKB)			
Section Des	Size (in)	Act Top (ftKB)		Act Btm (ftKB)			
SURFACE	12 1/4	12.0		1,243.0			
PROD1	8 3/4	1,243.0		4,220.0			
Zones							
Zone Name	Top (ftKB)	Btm (ftKB)		Current Status			
Point Lookout	3,937.0	4,072.0					
Casing Strings							
Csg Des	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade			
Surface	1,234.0	9 5/8	36.00	J-55			
Production	4,202.5	7	26.00	L-80			
Cement							
Des	Type		String				
Surface Casing Cement	Casing		Surface, 1,234.0ftKB				
Production Casing Cement	Casing		Production, 4,202.5ftKB				
Tubing Strings							
Tubing Description		Run Date		Set Depth (ftKB)			
Tubing - Injection (IPC)		11/4/2010		3,857.8			
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	2 7/8	6.40	L-80		3,787.43	12.0	3,799.4
X Nipple	2 7/8			1	1.10	3,799.4	3,800.5
Tubing	2 7/8	6.40	L-80	1	33.42	3,800.5	3,833.9
On-Off Tool	2 7/8			1	1.82	3,833.9	3,835.8
Packer	2 7/8			1	5.00	3,835.8	3,840.8
Tubing Sub	2 7/8	6.50	L-80	1	6.20	3,840.8	3,847.0
X Nipple	2 7/8			1	1.10	3,847.0	3,848.1
Tubing Sub	2 7/8	6.50	L-80	1	8.14	3,848.1	3,856.2
XN Nipple	2 7/8			1	1.10	3,856.2	3,857.3
Wireline Guide	2 7/8			1	0.45	3,857.3	3,857.8
Rod Strings							
Rod Description		Run Date		Set Depth (ftKB)			
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Other In Hole							
Run Date	Des	OD (in)	Top (ftKB)		Btm (ftKB)		
Perforations							
Date	Top (ftKB)	Btm (ftKB)		Zone			
2/12/2010	3,937.0	4,072.0		Point Lookout, Original Hole			



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MD (ftKB)	TVD (ftKB)	Incl (°)	Vertical schematic (actual)
12.1			
1,185.7			
1,187.7			
1,232.9			
1,233.9			
1,243.1			
2,947.5			
2,950.1			
2,962.9			
3,799.5			
3,800.5			
3,803.5			
3,816.9			
3,834.0			
3,835.6			
3,840.9			
3,847.1			
3,848.1			
3,856.3			
3,857.3			
3,857.6			
3,937.0			
4,071.9			
4,157.8			
4,159.1			
4,175.9			
4,201.4			
4,202.4			
4,220.1			

Stimulations & Treatments						
Frac #	Top Perf (ftKB)	Bottom Perf (ftKB)	AIR (bbf/min)	MIR (bbf/min)	TWP (bbf)	Total Proppant (lb)
1.00	3937	4072	61.2		2,613.3	225,080.0

## **BLM CONDITION OF APPROVAL**

### ***CASING REPAIR, WORKOVER AND RECOMPLETION OPERATIONS:***

1. If casing repair operations are needed, obtain prior approval from this office before commencing repairs. If a CBL or other logs are run, provide this office with a copy.
2. After any casing repair operations, test cement squeeze to a minimum of 500# for 30 minutes with no more than 10 % pressure fall off in the 30 minute test period. Provide test chart with your subsequent report of operations
3. A properly functioning BOP and related equipment must be installed prior to commencing workover, casing repair, and/or recompletion operations.
4. **Contact this office at (505) 564-7750 prior to conducting any cementing operations**

### ***SPECIAL STIPULATIONS:***

1. **Pits will be fenced during work-over operation.**
2. **All disturbance will be kept on existing pad.**
3. **All pits will be pulled and closed immediately upon completion of the recompletion and work-over activities.**
4. **Pits will be lined with an impervious material at least 12 mils thick.**