

State of New Mexico  
Energy, Minerals and Natural Resources Department

**Susana Martinez**  
Governor

**David Martin**  
Cabinet Secretary-Designate

**Brett F. Woods, Ph.D.**  
Deputy Cabinet Secretary

**Jami Bailey, Division Director**  
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions  
listed below are made in accordance with OCD Rule 19.15.7.11  
and are in addition to the actions approved by BLM on the  
following 3160-4 or 3160-5 form.

Operator Signature Date: February 11, 2014

Application Type:

☒ P&A    ☐ Drilling/Casing Change    ☐ Recomplete/DHC  
☐ Location Change    ☐ Other: \_\_\_\_\_

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf. Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-25725-00-00	FOOTHILLS A	001	XTO ENERGY, INC	G	A	San Juan	F	M	20	30	N	12	W

Conditions of Approval:

Notify NMOCD 24hrs prior to beginning operations

Add a Pictured Cliffs plug from 1728'-1828' this plug is not required to be tagged.

NMOCD Approved by Signature

3/11/14  
Date

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

FEB 11 2014

Farmington Field Office

Land Management

5. Lease Serial No.

MM-024158

6. If Indian, Allottee or Tribe Name

Fee Surface

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

MM-76367

8. Well Name and No.

FOOTHILLS A #1

9. API Well No.

300945-25725

10. Field and Pool, or Exploratory Area

WC FOOTHILLS FRUITLAND SAND

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

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☒ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

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 recompleat 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 recompleat 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 plug and abandon this well per the attached procedure and will be using a Closed Loop System. Please see also the attached current and proposed wellbore diagrams.

RCVD FEB 18 '14  
OIL CONS. DIV.  
DIST. 3

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

SHERRY J. MORROW

Title LEAD REGULATORY ANALYST

Signature

*Sherry J. Morrow*

Date 2/11/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

FEB 12 2014

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

13. **Perforation Isolation & Fruitland Coal Top Plug (1,391' – 1,140'):** Pump 10 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot balanced plug from 1,391' – 1,140' (volume calculated with 50' excess).
14. **Kirtland & Ojo Alamo Top Plug & Casing Shoe Plug (430' - Surface):** Pump 15 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 430' - Surface (volume calculated with 50' excess).
15. TOH & LD tubing.
16. RDMO cement truck.
17. WOC 4 hours.
18. Cut off WH. Fill in casing as needed with cement. Install above ground P&A marker.
19. Cut off anchors and reclaim location.

## **Checklist**

### **Regulatory:**

1. NOI to P&A on form C-103 & 3160-5
2. Submit a post-work sundry on form C-103 & 3160-5 which details the P&A work and location work within 30 days of completing all required restoration work.

### **Equipment:**

1. 1 flowback tank
2. 1,400' – 1-1/4" workstring
3. 1 – gauge ring
4. 1 – 2-7/8" Cement retainer
5. 25 sx Class "B" cement
6. 1 above ground marker

### **Services:**

1. Completion rig
2. Cement truck
3. WLU



# XTO - Wellbore Diagram

Current

Well Name: Foothills A 01

API/UWI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	County	State/Province
30045257250000	690.0	FWL	1,185.0	FSL	T30N-R12W-S20	WC Foothills Fruitland Sand	San Juan	New Mexico
Well Configuration Type	XTO ID B	Orig KB Elev (ft)	Gr Elev (ft)	KB-Grd (ft)	Spud Date	PBTD (All) (ftKB)	Total Depth (ftKB)	Method Of Production
Vertical	67988		5,679.00		5/23/1983	Original Hole - 1963.0	2,000.0	Flowing

Well Config: Vertical - Original Hole, 2/10/2014 10:51:15 AM

Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Zones
					Zone Top (ftKB) Btm (ftKB)
					Fruitland Sand 1,441.0 1,580.0
					<b>Casing Strings</b>
					Casing Description OD (in) Wt (lbs/ft) String Grade Top Connection Set Depth (ftKB)
					Surface 7 20.00 J-55 101.0
					Casing Description OD (in) Wt (lbs/ft) String Grade Top Connection Set Depth (ftKB)
					Production 2 7/8 6.40 J-55 1,996.0
					<b>Cement</b>
					Description Type String
					Production Casing Cement casing Production, 1,996.0ftKB
					Comment
					101 Description Type String
					Surface Casing Cement casing Surface, 101.0ftKB
					Comment
					<b>Perforations</b>
					Date Top (ftKB) Btm (ftKB) Shot Dens (shots/ft) Hole Diameter (in) Phasing (°) Curr Status Zone
					1,441.0 1,447.0 2.0 Fruitland Sand
					1,572.0 1,580.0 2.0 Fruitland Sand
					<b>Tubing Strings</b>
					Tubing Description Run Date Set Depth (ftKB)
					<b>Tubing Components</b>
					Item Description Jts Model OD (in) Wt (lbs/ft) Gra Top Thread Len (ft) Top (ftKB) Btm (ftKB)
					1,572
					<b>Rods</b>
					Rod Description Run Date String Length (ft) Set Depth (ftKB)
					<b>Rod Components</b>
					Item Description Jts Model OD (in) Grade Len (ft) Top (ftKB) Btm (ftKB)
					1,580
					<b>Stimulations &amp; Treatments</b>
					Frac Start Date Top Perf (ft) Bottom Pe... V (slurry) ( ... Total Prop... AIR (b... ATP (psi) MTP (psi) ISIP (psi)
					1441 1580
					Comment
					24,433 gal foam; 16,073 lb 10/20 sand
					1,658
					1,762
					1,963
					1,996
					2,000

Top (MD): 1,441,  
Des: Fruitland Sand

PBTD,  
1,963

TD, 2,000

**Proposed P&A**  
**Foothills A #1**

**Wildcat Fruitland Sand**  
**1.185' FSL. 690' FWL. Section 20. T-30-N. R-12-W.**  
**San Juan County, NM / API #30-045-25725**

Today's Date: 02/17/10  
Spud: 05/23/83  
Completed: 03/23/84  
Elevation: 5,679' GI

8.75" hole

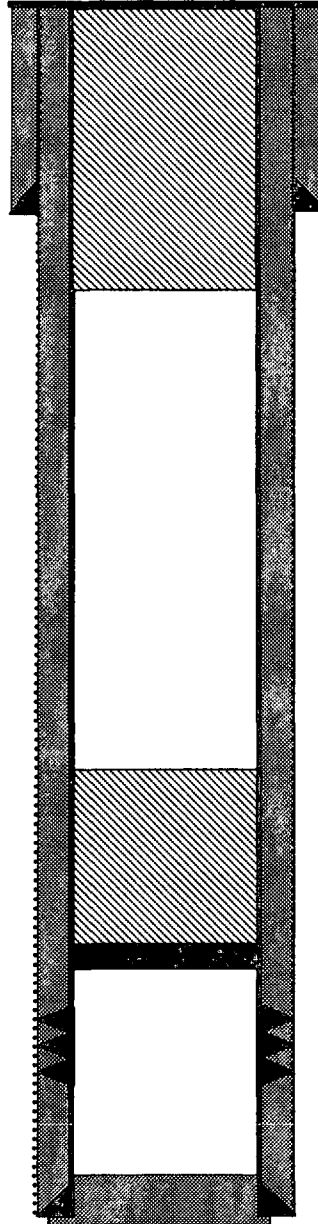
Ojo Alamo @ 260'

Kirtland @ 380'

Fruitland @ 1,190'

Pictured Cliffs @ 1,775'

5.25" hole



7" 20#, J-55 Casing set @ 101'  
Cement w/35 sxs  
Circ 3 sx cmt to Surface

**Plug #2: 430' - 0'**  
Class B Cement, 15 sxs

**Plug #1: 1,391' - 1,140'**  
Class B Cement, 10 sxs

**Set CR @ 1,391'**

Fruitland Sand Perforations:  
1,441' - 1,580'

2.875", 6.4# Casing set @ 1,996'  
Cement with 390 sxs  
Circ 70 sx cmt to surface.

**TD 2,000'**  
**PBTD 1,963'**