

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:

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
30-045-31055-00-00	NV NAVAJO 21	003	XTO ENERGY, INC	G	A	San Juan	N	L	21	29	N	14	W

Conditions of Approval:

Notify NMOCD 24hrs prior to beginning operations

Add a plug from 978'-1078'. This plug is not required to be tagged

NMOCD Approved by Signature

FEB 19 2014

Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

## SUNDRY NOTICES AND REPORTS ON WELLS

JAN 16 2014

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

San Juan Field Office  
Bureau of Land Management

SUBMIT IN TRIPLICATE - Other instructions on page 2

## 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) 333-3630

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1660' FSL &amp; 710' FWL NWSW SEC. 21 (L) -T29N-R14W NMPM

## 5. Lease Serial No.

14206032199

## 6. If Indian, Allottee or Tribe Name

NAVAJO

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

## 8. Well Name and No.

NV NAVAJO 21 #3

## 9. API Well No.

30-045-31055

## 10. Field and Pool, or Exploratory Area

BASIN FRUITLAND COAL

## 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. intends 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 JAN 23 '14

OIL CONS. DIV.

DIST. 3

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

SHERRY J. MORROW

Title REGULATORY ANALYST

Signature

Date 1/14/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

JAN 21 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

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.

NMCCD PV

**NV Navajo 21 #3  
Sec 21, T 29 N, R 14 W  
San Juan County, New Mexico**

**Plug and Abandon Procedure**

**Spud Date:** 6/4/2005

**Surface Casing:** 8-5/8", 24#, J-55 csg @ 235'. Cmt'd w/112 sx. Circ 12 bbls cmt to surf.

**Production Casing:** 5-1/2", 15.5#, J-55 csg @ 1,159'. Cmt'd w/100 sx (lead) & 65 sx (tail). Circ 15 bbls cmt to surf. Ran CBL on 7/14/2005. Good cmt to surf.  
Capacity: .023802 bbls/ft or .9997 gal/ft

**Production Tubing:** 1 jt 2-3/8", 4.7#, J-55, 8rd EUE tbg, 2-3/8" x 6' tbg sub, 29 jts 2-3/8", 4.7#, J-55, 8rd EUE tbg & 2-3/8" x 2" x 16' TWE (DV) pmp w//1-1/4" strnr nip. EOT @ 1,006'.

**Rod String:** 1-1/4" x 22' PR w/10' lnr, 36 - 3/4" rods, 2 - 1-1/2" sbs, 21K shear tl, 1-1/2" sb, spiral rod guide & on-off tl.

**Perforations:** Fruitland Coal: 958' - 978'

**PBTD:** 1,124'

**Recent Production:** INA since 8/27/2009. 2 mcfpd, 100 bwpd

*\*Notify NMOCD & BLM 24 hours prior to beginning plugging 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. TOH rods & on-off tool. ND WH. NU & FT BOP. TOH & LD tubing and pump.
6. TIH with 4-3/4" bit & 4-3/4" string mill on 2-3/8" workstring to 958'. TOH.
7. TIH 5-1/2" CIBP and set @  $\pm 908'$ . Circulate hole clean.
8. PT casing and CIBP to 550 psig for 10 minutes. Record test on chart. If casing does not test, contact engineer.
9. MIRU cement truck. Review JSA.

10. **Perforation Isolation Plug (908' - 858')**: Pump 15 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot balanced plug from 908' - 858' (volume calculated with 50' excess).

~~11. Fruitland-~~Coal-Top~~ & Casing Shoe Plug (292' - Surface)~~: Pump 40 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from ~~292'~~ <sup>676' - 576'</sup> - Surface (volume calculated with 50' excess). <sup>285'</sup>

12. TOH & LD tubing.

13. RDMO cement truck.

14. WOC 4 hours.

15. Cut off WH. Fill in casing as needed with cement. Install above ground P&A marker.

16. Cut off anchors and reclaim location.

## Checklist

### REGULATORY:

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

### Equipment:

1. 1 flowback tank
2. 1,000' - 2-3/8" workstring
3. 1 - 4-3/4" bit
4. 1 - 4-3/4" string mill
5. 1 - 5-1/2" CIBP
6. 55 sx Class "B" cement
7. 1 above ground marker

### Services:

1. Completion rig
2. Cement truck



# Current

## XTO - Wellbore Diagram

Well Name: NV Navajo 21-03

API/UWI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	County	State/Province
30045310550000	710.0	FWL	1,660.0	FSL	T29N-R14W-S21	Basin Fruitland Coal	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	77474	5,600.00	5,590.00	10.00	6/4/2005	Original Hole - 1124.0	1,170.0	Beam

Well Config: Vertical - Original Hole, 1/13/2014 2:36:31 PM

Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Zones									
					Zone		Top (ftKB)		Btm (ftKB)					
					Fruitland Coal		958.0		978.0					
					Casing Strings									
				0	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
					Surface	8 5/8	24.00	J-55		235.0				
				5	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
					Production	5 1/2	15.50	J-55		1,159.0				
					Cement									
				9	Description	Type	String							
					Surface Casing Cement	casing	Surface, 235.0ftKB							
				10	Comment									
				22	Description	Type	String							
					Production Casing Cement	casing	Production, 1,159.0ftKB							
				43	Comment									
					Perforations									
				49	Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (")	Curr... Status	Zone		
				235	7/14/2005	958.0	958.0	3.0				Fruitland Coal		
					7/14/2005	963.0	978.0	3.0				Fruitland Coal		
				236	Tubing Strings									
					Tubing Description	Run Date	Set Depth (ftKB)							
				922	Tubing - Production	2/12/2009	1,006.2							
					Tubing Components									
				924	Item Description	Jts	Model	OD (in)	Wt (lbs/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
				958	Tubing	1	T&C Upset	2 3/8	4.70	J-55	8RD EUE	32.55	10.0	42.5
				963	Tubing Sub	1	T&C Upset	2 3/8	4.70	J-55	8RD EUE	6.10	42.5	48.6
				972	Tubing	27	T&C Upset	2 3/8	4.70	J-55	8RD EUE	875.58	48.6	924.2
				972	Tubing	2	T&C Upset	2 3/8	4.70	J-55	8RD EUE	65.95	924.2	990.2
				978	Tubing Barrel Pump	1		2 3/8			8RD EUE	16.00	990.2	1,006.2
					Rods									
				983	Rod Description	Run Date	String Length (ft)		Set Depth (ftKB)					
					Rod String	2/12/2009	998.40		998.4					
				990	Rod Components									
					Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)		
					Polished Rod	1		1 1/4		22.00	0.0	22.0		
				997	Sucker Rod	36	WCN-78	3/4	D	900.00	22.0	922.0		
					Sinker Bar	2		1 1/2	K	50.00	922.0	972.0		
				997	Shear Tool - 21K	1		3/4		0.50	972.0	972.5		
					Sinker Bar	1		1 1/2	K	25.00	972.5	997.5		
				998	Spiral Rod Guide	1		3/4		0.40	997.5	997.9		
					On-Off Tool	1		3/4		0.50	997.9	998.4		
				998	Stimulations & Treatments									
					Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)	
				999	7/18/2005					40	947.0			
					Comment									
				1,006										
				1,124										
				1,159										
				1,170										

Top (MD):958,  
Des:Fruitland Coal

PBTD,  
1,124

TD, 1,170

Top (MD):958,  
Des:Fruitland Coal

PBTD,  
1,124

TD, 1,170

Proposed WB Diagram

KB: 5,600'  
GL: 5,590'  
KB CORR: 10'

12-1/4" HOLE

7-7/8" HOLE

FRUITLAND COAL TOP @ 242'

8-5/8", 24#, J-55, CSG @ 235'  
CMT'D W/112 SX  
CIRC 12 BBLS CMT TO SURF.

PLUG #2: CMT FR/292' - SURFACE  
(40 SX)

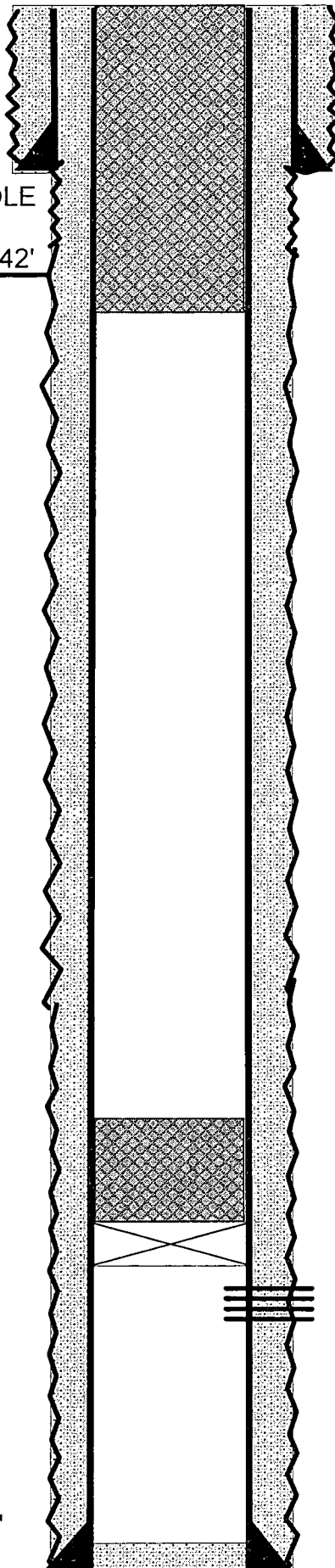
PLUG #1: CMT FR/908' - 858' (15 SX)

CIBP @ 908'

FC FR/958' - 978'

PBTD 1,124'  
TD 1,170'

5-1/2", 15.5#, J-55, CSG @ 1,159'  
CMT'D W/165 SX  
CIRC 15 BBLS CMT TO SURF.



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
6251 COLLEGE BLVD.  
FARMINGTON, NEW MEXICO 87402

Attachment to notice of  
Intention to Abandon:

Re: Permanent Abandonment  
Well: 3 NV Navajo 21

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.
3. The following modifications to your plugging program are to be made:
  - a) Place the Fruitland plug from 676' - 576'.
  - b) Place the Surface plug from 285' to surface.
  - c) High H<sub>2</sub>S has been encountered in the area, therefore you are required to have H<sub>2</sub>S personal and equipment on location during plugging operations.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.