

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>NMSF078895</b>	
2. Name of Operator <b>XTO ENERGY INC.</b>		6. If Indian, Allottee or Tribe Name <b>NAVAJO TRIBE (SURFACE)</b>	
3a. Address <b>382 CR 3100, AZTEC, NM 87410</b>	3b. Phone No. (include area code) <b>(505) 333-3630</b>	7. If Unit or CA/Agreement, Name and/or No.	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>990' FNL &amp; 990' FWL NWNW SEC. 7 (D) - T27N-R11W NMPM</b>		8. Well Name and No. <b>MUDGE A #6</b>	
		9. API Well No. <b>30-045-06741</b>	
		10. Field and Pool, or Exploratory Area <b>WEST KUTZ PICTURED CLIFFS</b>	
		11. County or Parish, State <b>SAN JUAN NM</b>	

## 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 type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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 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. Please see also the attached current and proposed wellbore diagrams.

Notify NMOC 24 hrs  
prior to beginning  
operations

RCVD AUG 23 '13  
OIL CONS. DIV.  
DIST. 3

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>SHERRY J. MORROW</b>		Title <b>REGULATORY ANALYST</b>
Signature <i>Sherry J. Morrow</i>		Date <b>8/14/2013</b>

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <b>Original Signed: Stephen Mason</b>	Title <b>AUG 21 2013</b>
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.

NMOCDA

# PLUG AND ABANDONMENT PROCEDURE

July 16, 2013

## Mudge A6

West Kutz Pictured Cliffs

990' FNL, 990' FWL, Section 7, T27N, R11W, San Juan County, New Mexico

API 30-045-06741 / Lat: \_\_\_\_\_ N Long: \_\_\_\_\_ W

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. This project requires the Operator to obtain an approved NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
3. Rods: Yes \_\_\_\_\_, No X, Unknown \_\_\_\_\_  
Tubing: Yes X, No \_\_\_\_\_, Unknown \_\_\_\_\_, Size 2-3/8", Length 1872'  
Packer: Yes \_\_\_\_\_, No X, Unknown \_\_\_\_\_, Type \_\_\_\_\_  
If well has rods or a packer, then modify the work sequence in Step #2 as appropriate. Round trip gauge ring or casing scraper as appropriate.

**Note: tubing was determined to be stuck 2/13 when rods and pump were pulled. Attempt to pull tubing free. If able to release then LD tubing and PU workstring. Continue to Plug #1. If unable to pull tubing, then determine free point and proceed with appropriate modified Plug #1 as approved by Operator, BLM and NMOCD.**

4. **Plug #1 (Pictured Cliffs perforations, 5.5" casing shoe, Pictured Cliffs and Fruitland top, 1904' – 1387')**: RIH with open ended tubing to 1800' or as deep as possible. Mix 43 sxs Class B cement (40% excess due to long plug) and spot a plug to isolate the PC and Fruitland intervals. PUH and WOC. TIH and tag TOC 50' above top of Fruitland. If tag is low spot additional cement as required. TOH. Note: if Plug #1 is set at the beginning of the day and a 4" wireline cement retainer is available then spot CR at 1756' and top with 25 sxs Class B cement. TOH and continue on to Plug #2.
5. **Plug #2 (Kirtland and Ojo Alamo tops: 798' – <sup>581</sup>595')**: Perforate 3 squeeze holes in 4" and 5.5" casings at 798'. Attempt to establish rate into 5.5" x 7-7/8" annulus. PU 4" wireline cement retainer and set at 748'. Establish rate into squeeze holes. Mix and pump ~~75~~ <sup>581</sup> sxs Class B cement, squeeze ~~60~~ sxs outside the 5.5" x 7.875" casing and leave ~~15~~ sxs inside 4" casing to cover the Kirtland and Ojo Alamo tops. PUH.
6. **Plug #3 (8.625" casing shoe and surface, 143' - Surface)**: Perforate 3 HSC holes at 143'. Mix and pump approximately 45 sxs cement down the 4" casing until good cement returns out annuli. Shut in well and WOC.

7. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

# Mudge A6

## Current

West Kutz Pictured Cliffs

990' FNL, 990' FWL, Section 7, T27N, R11W,

San Juan County, NM / API #30-045-06741

Lat \_\_\_\_\_ / Long \_\_\_\_\_

Today's Date: 7/16/13

Spud: 3/28/52

Completed: 4/11/52

Elevation: 6099' GL

6105' KB

12-1/4" hole

Ojo Alamo @ 645' \*est

Kirtland @ 748' \*est

Fruitland @ 1437' \*est

Pictured Cliffs @ 1793'

7-7/8" hole

4-3/4" hole

TD 1913'  
PBTD 1898'

4" TOC @ Surface

8.625" 24#, Casing set @ 93'  
Cement with 50sxs (Circulated to Surface)

2-3/8" tubing at 1872'  
(59 jts, 4.7#, J-55 with SN at 1852' and  
OPMA at 1872')

5.5" TOC @ 1244' (Calc, 75%)

5.5", 14#, Casing set @ 1798'  
Cement with 108 sxs

Pictured Cliffs Perforations:  
1806' - 1854'

4", 10.46# FJ Casing set @ 1904'  
Cement with 300 sxs (circulated to surface)

# Mudge A6

## Proposed P&A

West Kutz Pictured Cliffs

990' FNL, 990' FWL, Section 7, T27N, R11W,

San Juan County, NM / API #30-045-06741

Lat \_\_\_\_\_ / Long \_\_\_\_\_

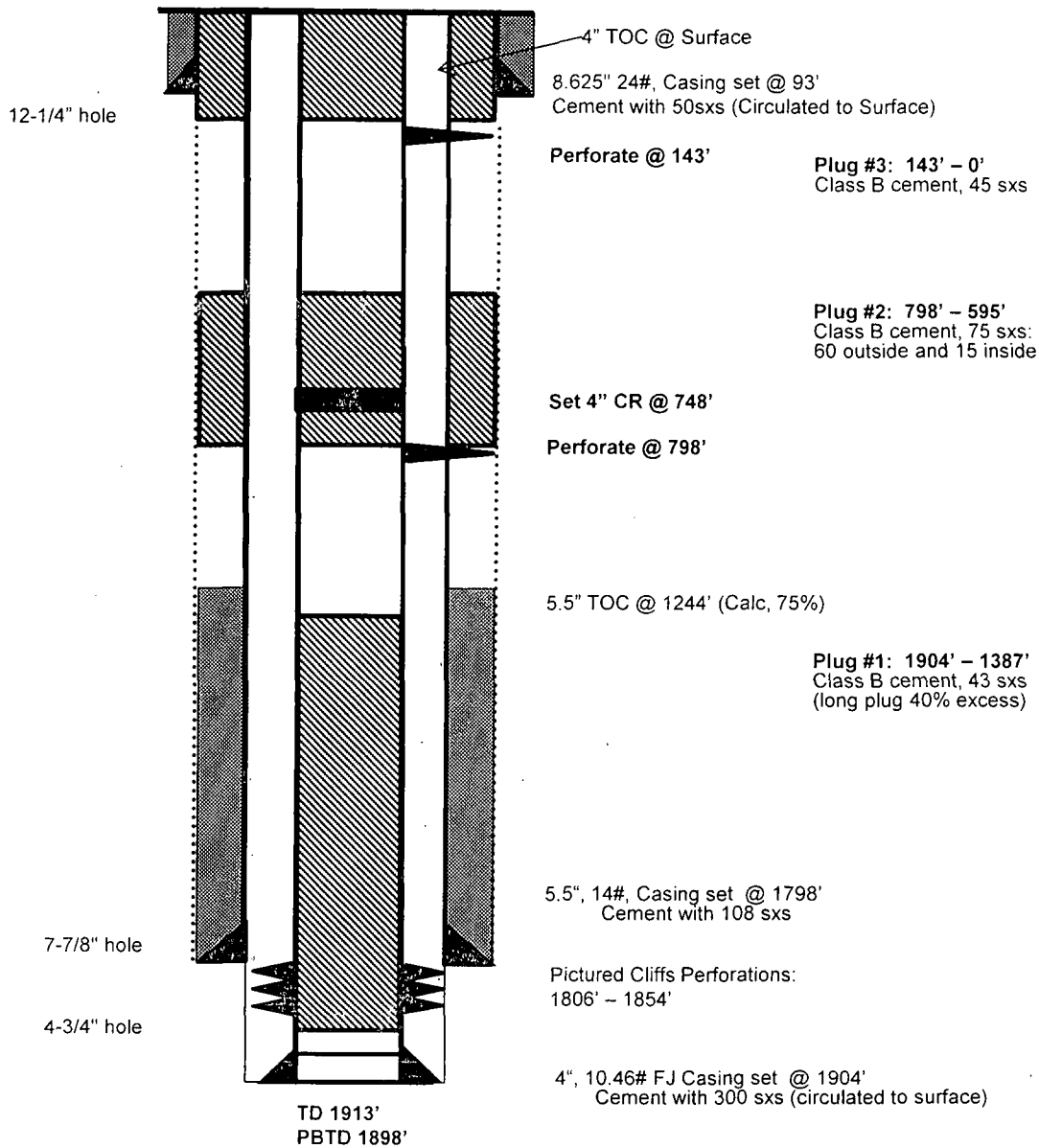
Today's Date: 7/16/13

Spud: 3/28/52

Completed: 4/11/52

Elevation: 6099' GL

6105' KB



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: 6 Mudge A

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 Kirtland/Ojo Alamo plug from 798' – 581' inside the 4" casing and outside the 5½" casing.

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

Office Hours: 7:45 a.m. to 4:30 p.m.