

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 27 2014

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.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
XTO Energy by San Juan Coal

3a. Address  
382 CR 3100, Axtec, NM 87410

3b. Phone No. (include area code)  
505-333-3462

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1698' FSL & 1931' FWL, NESW Unit K, Section 19, T30N, R14W

5. Lease Serial No.  
NMNM - 19163

6. Indian, Allottee or Tribe Name

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

8. Well Name and No.  
WF Federal 19 #3

9. API Well No.  
30-045-30067 31067

10. Field and Pool or Exploratory Area  
Basin Fruitland Coal / Twin Mounds PC

11. Country or Parish, State  
San Juan NM

12. CHECK THE 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 checked="" type="checkbox"/> Other Re-enter and re-plug
	<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 must 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 must be filed once testing has been completed. Final Abandonment Notices must 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 2012 San Juan Coal plugged and abandoned this well under a contract with XTO. This well was plugged per standard BLM requirements and extra requirements determined by MSHA including the milling of the 4.5" casing in the basal Fruitland Coal zone and perforating above.

Recently, San Juan Coal has been directed by MSHA to re-enter the well and perforate below the original Pictured Cliffs completion perforations.

San Juan Coal requests approval of the attached re-entry and re-plugging procedure.

A steel pit will be used for waste fluid handling.

RCVD MAR 4 '14  
OIL CONS. DIV.  
DIST. 3

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

Eric Herth

Title Mine Geologist

Signature

Date 02/26/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

FEB 27 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, 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.

(Instructions on page 2)

NMOCDA

## RE-ENTRY AND RE-PLUG PROCEDURE

February 26, 2014

### WF Federal 19-3

Twin Mounds Pictured Cliffs / Basin Fruitland Coal  
1698' FNL and 1931' FWL, Section 19, T30N, R14W  
San Juan County, New Mexico / API 30-045-31067

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Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be water or drilling mud with sufficient weight to balance all exposed formation pressures. Cement is Class B mixed at 15.6 ppg with 1.18 cf/sxs yield or Class B with 18% salt by weight of water (for expansion, MSHA requirement through the Fruitland Coal zone).

### PROCEDURE:

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1. Comply with all applicable **MSHA**, NMOCD, BLM and San Juan Coal / BHP Billiton safety regulations. Conduct safety meeting for all personnel on location.
2. Check the wellsite with a gas monitor and write a hot work permit. Dig out the underground steel plate p&a marker and remove. Dress off the 8.625" and 4.5" casing stubs and install a weld on collar on the 4.5" casing. Install a 4.5" casing extension to bring the tubing head above ground level. Level off location as needed and set a base beam, mud pit and steel waste pit.
3. MOL and RU well servicing unit. Lay relief line to the waste pit. NU BOP. Test BOP. Then rig up a drilling system with pit, pump and power swivel.
4. PU a 3.875" insert type bit and tally and caliper one 3.125" drill collar. Establish circulation with water and drill out the cement inside the 4.5" casing using 8 - 3.125" drill collars and then 2.875" slim hole drill pipe down to 1150'.
5. Circulate well clean at PBTD (1150'). May be necessary to mud up and / or use loss circulation material when drilling through the milled coal zone from 963' to 988' (GL). Circulate well clean with water. TOH and LD BHA and drill pipe. Prepare a 2.375" tubing workstring.
6. Perforate the 4.5" casing with 6 holes per foot at 1132' and 1082' and 1032'. TIH with 3.875" bit and workstring to 1150' and circulate well clean. TOH and LD bit.
7. **Plug #1 (Pictured Cliffs existing and new perforations and Fruitland interval, 1150'- 700'):** TIH with open ended tubing to 1150' and establish injection rate into the perforations. Mix 50 sxs cement with 18% salt (by weight of water) and spot a balanced plug inside the 4.5" casing to cover **all Pictured Cliffs perforations** and the milled section of the coal zone. TOH with the workstring, load the casing with water, shut in well and then squeeze approximately 20 sxs into the perforations; squeeze the TOC down to approximately 800'. WOC. TIH with 2.375" workstring and tag cement. Dress off TOC if it is lower than 800'. PUH to 400'.

## RE-ENTRY AND RE-PLUG PROCEDURE

February 26, 2014

### WF Federal 19-3

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8. **Plug #2 (Fruitland formation top, 672' to Surface):** Mix 51 sxs cement and spot a balanced plug to cover the upper Fruitland zones. TOH with tubing. TOH and LD the tubing. . Shut in well and WOC.
9. ND BOP and cut off wellhead below surface. Install P&A plate with cement to comply with regulations. RD and MOL. Clean up location.

# WF Federal 19-3

## As Plugged in 2012

Twin Mounds Pictured Cliffs / Basin Fruitland Coal

1698' FNL & 1931' FWL, Section 19, T-30-N, R-14-W

San Juan County, NM / API 30-045-31067

Lat: N \_\_\_\_\_ / Long: W \_\_\_\_\_

Today's Date: 2/26/14

Spud: 6/24/02

Completed: 8/27/03

Elevation: 5525' GL

5530' KB

8.75" Hole

TOC at Surface,  
Circulate cement per tower report

7" 20#, J-55 Casing set @ 133'  
60 sxs cement, Circulated to surface

Plug #3: 396' - Surface  
Class B cement, 34 sxs

Fruitland Top @ 339'

Plug #2: 1040' - 197'  
Class B cement with 18%  
salt, 64 sxs, squeeze  
cement down; tag at 396'.

Fruitland Coal Seam #9' -

Perforate @ 869'

Perforate @ 916'

Fruitland Coal Perforations:  
870' - 984'

Fruitland Coal Seam #8: 969' - 982'

Mill out casing from 963' to 988' (GL)

Pictured Cliffs @ 985'

Pictured Cliffs Perforations:  
989' - 990'

Plug #1: 1150' - 491'  
Class B cement with 18%  
salt, 50 sxs; Tag at 515'  
and drill out down to 1040'

6.25" Hole

4.5" 10.5# J-55 Casing set @ 1149'  
Cemented with 140 sxs (166 cf)  
cement circulated per tower report.

TD 1200'  
PBTD 1150'