

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Amended

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

DEC 10 2012
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. MM-19163
2. Name of Operator XTO ENERGY INC.		6. If Indian, Allottee or Tribe Name
3a. Address 382 CR 3100 AZTEC, NM 87410	3b. Phone No. (include area code) 505-333-3630	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 915' FSL & 1600' FWL SESW SEC. 20 (N) - T30N-R14W N.M.P.M.		8. Well Name and No. WF FEDERAL 20 #1
		9. API Well No. 30-045-29649
		10. Field and Pool, or Exploratory Area BASIN FRUITLAND COAL/TWIN MOUNDS FRUITLAND SAND PC
		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			
<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.

XTO Energy Inc. plans to use the C-144 CIEZ Permit #7475 that was approved on 1/14/2011 for the P&A.

RCVD DEC 12 '12
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 <i>Sherry J. Morrow</i>	Date 12/6/12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason	Title	Date DEC 10 2012
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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

MMOCD

PLUG AND ABANDONMENT PROCEDURE

December 3, 2012

WF Federal 20 #1

Twin Mounds Pictured Cliffs / Basin Fruitland Coal
915' FSL and 1600' FWL, Section 20, T30N, R14W
San Juan County, New Mexico / API 30-045-29649
Lat: N _____ / Long: W _____

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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:

1. This project requires a 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. Rods: Yes X, No _____, Unknown _____.
Tubing: Yes X, No _____, Unknown _____, Size 2.375", Length 1171'.
Packer: Yes _____, No X, Unknown _____, Type _____.
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.
1. Comply with all applicable **MSHA**, NMOCD, BLM and BHP Billiton safety regulations. Conduct safety meeting for all personnel on location. MOL and RU daylight pulling unit. Lay relief line to the waste pit and blow well down, kill well with water as necessary. ND wellhead and NU BOP. Test BOP. Pull rod and tubing from well if present.
2. PU a 3.875" bit and tally a 2.375" tubing workstring. TIH and clean out to PBTB (1247') or as deep as possible. Circulate well clean with water. **Rig up Jet West wireline and run a Gamma - Neutron log and a directional survey log. Adjust the milling intervals as appropriate from these logs.**
3. **Plug #1 (Pictured Cliffs perforations and Fruitland perforations, 1079' to 1247')**: TIH with open ended workstring to PBTB. Load the well with water 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 Pictured Cliffs perforations. TOH with the workstring, load the casing with water, shut in well and then squeeze approximately 30 sxs (6.3 bbls cement) into the perforations; squeeze the TOC down to approximately 1097'. (Note: This is not the final abandonment of the Fruitland perforations. The intent is to fill the PC perforations with cement. WOC.

PLUG AND ABANDONMENT PROCEDURE

December 3, 2012

WF Federal 20 #1

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Procedure Continued:

4. While WOC, pick up a 3.875" mill tooth bit, 6 - 3-1/8" drill collars and TIH to 800'. Finish WOC and then TIH and tag cement. Drill out the cement inside the casing to 1105' (Note: TOC must be 5 to 8' below the bottom of the planned milled interval (1096') to allow for the nose of the section mill tool). TOH with this BHA and LD the bit.
5. PU a flat bottom mill, the 3.875" section milling tool and the 6 - 3-1/8" drill collars (this is the under reaming bottom hole assembly, BHA). TIH with BHA and 2.375" drill pipe to 1072'. Rig up drilling equipment and establish circulation with high vis mud.
6. **Note: The intervals to be mill out below are from ground level - not KB.**
7. **Mill out the 4.5" casing from 1072' to 1096'.** Start milling out the 4.5" casing at 1072'. Mill per the tool hands instructions for weight on mill, circulation rate and power swivel's RPM. Circulate well clean with mud. TOH with 2.375" pipe and the BHA. LD section mill toll and the TIH with bit to clean out to 1105' or as deep as possible.
8. Rig up a wireline truck and run a caliper log through the milled interval to insure all the 4.5" casing from the planned milling depths (1072' – 1096') has been removed. Re-mill as appropriate. Re-log as necessary.
9. **Perforate the 4.5" casing with 3 SPF from 991' – 992' and 985' to 986'.** This is to isolate Coal Seam #9 and the depths should be modified as appropriate from the logs run in step #2.
10. **Plug #2 (Pictured Cliffs and Fruitland Coal interval, 1105' to 583')**: TIH with 2.375" workstring to 1105' (drill out depth in step #4.) and circulate the well clean. Then pump a 5 bbls fresh water spacer ahead of the cement. Mix 44 sxs cement with 18% salt (by weight of water) and spot a balanced plug from 1106' to 583' to fill the milled interval and to cover the Fruitland top. TOH with tubing. Squeeze cement into Fruitland interval to 1000 PSI.
11. WOC. Then TIH with tubing and tag cement. Pressure test the 4.5" casing to 800#. Spot Plug #3 based on cement tag.
12. **Plug #3 (Fruitland top and 7" Surface casing shoe, from 178' to Surface)**: Connect the pump line to the bradenhead valve. Pressure test the BH annulus to 300#; note the fluid volume to load. If the BH annulus tests, then mix approximately 15 sxs cement with or without 18% salt cement and spot a balanced plug inside the 4.5" casing from 178' to surface to cover the Fruitland top and 7" surface casing shoe. TOH and LD the tubing. If the BH annulus does not test, then perforate at the appropriate depth and fill the bradenhead annulus and 4.5" casing with cement to surface. TOH and LD tubing. Shut in well and WOC.
13. ND BOP and cut off wellhead below surface. Install P&A marker with cement to comply with regulations. RD, MOL. Cut off anchors and clean up location.



XTO - Wellbore Diagram

Well Name: **WF Federal 20-01**

API/UWI 30045296490000	E/W Dist (ft) 1,600.0	E/W Ref FWL	N/S Dist (ft) 915.0	N/S Ref FSL	Location T30N-R14W-S20	Field Name Twin Mounds Pictured Cliffs	County San Juan	State New Mexico
Well Configuration Type Vertical	XTO ID B 77602	Orig KB Elev (ft) 5,592.00	Gr Elev (ft) 5,587.00	KB-Grd (ft) 5.00	Spud Date 7/24/1998	PBTD (All) (ftKB) Original Hole - 1247.0	Total Depth (ftKB) 1,300.0	Method Of Production Beam

Well Config: Vertical - Original Hole: 8/15/2012 1:55:51 PM

Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Zones	
					Zone Top (ftKB) Btm (ftKB)	
					Fruitland Coal 1,079.0 1,089.0	
					Pictured Cliffs 1,100.0 1,110.0	
Casing Strings						
-10	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection Set Depth (ftKB)	
	Surface	7	20.00	J-55	128.0	
5	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection Set Depth (ftKB)	
	Production	4 1/2	10.50	J-55	1,300.0	
Cement						
11	Description	Type	String			
	Surface Casing Cement	casing	Surface, 128.0ftKB			
Comment Cmt w/50 sx. Circ cmt to surf.						
128	Description	Type	String			
	Production Casing Cement	casing	Production, 1,300.0ftKB			
Comment Cmt w/130 sx. Circ cmt to surf.						
Perforations						
1,079	Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in) Phasing (?) Curr. Status Zone	
	3/23/1999	1,079.0	1,089.0	3.0		Fruitland Coal
1,089	3/18/1999	1,100.0	1,110.0	3.0		Pictured Cliffs
Tubing Strings						
1,100	Tubing Description	Run Date	Set Depth (ftKB)			
	Tubing - Production	1/25/2008	1,170.2			
Tubing Components						
1,110	Item Description	Jts	Model	OD (in)	Wt (lbs/ft) Grade	Top Thread Len (ft) Top (ftKB) Btm (ftKB)
	Tubing	36	T&C Upset	2 3/8	4.70 J-55	1,134.08 5.0 1,139.1
1,112	Seat Nipple	1		2 3/8		1.10 1,139.1 1,140.2
	OEMA	1		2 3/8	4.70 J-55	30.00 1,140.2 1,170.2
Rods						
1,137	Rod Description	Run Date	String Length (ft)		Set Depth (ftKB)	
	Rod String	1/26/2008	1,163.00		1,152.5	
Rod Components						
1,138	Item Description	Jts	Model	OD (in)	Grade	Len (ft) Top (ftKB) Btm (ftKB)
	Polished Rod	1		1 1/4		22.00 -10.5 11.5
	Sucker Rod	42		3/4	D	1,050.00 11.5 1,061.5
1,139	Sinker Bar	2		1 1/2	K	50.00 1,061.5 1,111.5
	Shear Coupling	1		1 1/2		1.00 1,111.5 1,112.5
	Sinker Bar	1		1 1/2	K	25.00 1,112.5 1,137.5
	Lift Sub	1		1		1.00 1,137.5 1,138.5
1,139	Spiral Rod Guide	1		3/4		1.00 1,138.5 1,139.5
	Rod Insert Pump	1		1 1/2		12.00 1,139.5 1,151.5
	Strainer Nipple	1		1		1.00 1,151.5 1,152.5
Stimulations & Treatments						
1,152	Frac Start Date	Top Perf (ft)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b... ATP (psi) MTP (psi) ISIP (psi)
	3/18/1999	1100	1110		40,360.0	29 1,610.0 3,94... 1,010.0
Comment 20# linear gel pre-pad & 70Q N2 foamed 20# linear gel carrying 40,360# 16/30 AZ sd						
1,153	Frac Start Date	Top Perf (ft)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b... ATP (psi) MTP (psi) ISIP (psi)
	3/23/1999	1079	1089		22,684.0	22 1,672.0 4,29... 4,298.0
Comment 20# linear gel pre-pad & 70Q N2 foamed 20# linear gel carrying 22,684# 20/40 AZ sd.						
1,170	Screen out on 3 ppg sand stage. Design was 40,000# sd (1 - 4 ppg).					
	PBTD, 1,247					
	TD, 1,300					

WF Federal 20-1

Proposed P&A

Twin Mounds Pictured Cliffs / Basin Fruitland Coal
915' FSL & 1600' FWL, Section 20, T-30-N, R-14-W
San Juan County, NM / API 30-045-29649

Lat: N _____ / Long: W _____

Today's Date: 12/03/12
Spud: 7/24/98
Completed: 3/25/99
Elevation: 5587' GL

