

State of New Mexico  
Energy, Minerals and Natural Resources Department

Susana Martinez  
Governor

David Martin  
Cabinet Secretary

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: 7/24/2014

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf. Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-29618-00-00	TIGER	007	XTO ENERGY, INC	G	A	San Juan	F	B	34	30	N	13	W

Application Type:

- P&A   
  Drilling/Casing Change   
  Recomplete/DHC  
 Location Change   
  Other:

Conditions of Approval:

Notify NMOCD 24hrs prior to beginning operations

Bring Fruitland plug to 1290 feet

NMOCD Approved by Signature

7-25-14  
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**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		JUL 18 2014	
2. Name of Operator <b>XTO Energy Inc.</b>			
3a. Address <b>382 CR 3100 Aztec, NM 87410</b>	3b. Phone No. (include area code) <b>505-333-3630</b>		
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1025' FNL &amp; 1850' FEL SEC.34 (B) -T30N-R13W</b>			
5. Lease Serial No. <b>NMSF-078214A</b>		6. If Indian, Allottee or Tribe Name <b>Fee Surface - First Assembly of God</b>	
7. If Unit or CA/Agreement, Name and/or No. <b>NMM-102941</b>		8. Well Name and No. <b>TIGER #7</b>	
9. API Well No. <b>30-045-29618</b>		10. Field and Pool, or Exploratory Area <b>BASIN FRUITLAND COAL</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 recompleate 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 recompleation 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.**

**OIL CONS. DIV DIST. 3**

**JUL 24 2014**

**BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS**

**SEE ATTACHED FOR CONDITIONS OF APPROVAL**

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>7/16/2014</b>

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by <b>Troy Salvors</b>	Title <b>Petroleum Engineer</b>	Date <b>7/22/2014</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 <b>FFO</b>	

**NMOCDA**

BRB \_\_\_\_\_  
MTG \_\_\_\_\_  
Approved \_\_\_\_\_

**Tiger #7**  
**Sec 34, T 30 N, R 13 W**  
**San Juan County, New Mexico**  
**6/26/2014**

**Plug and Abandon Procedure**

**AFE Number:** 1406008  
**Spud Date:** 7/8/1998  
**Surface Casing:** 7", 23#, J-55 csg @ 290'. Cmt'd w/115 sx. Circ 10 bbls to surf.  
**Production Casing:** 4-1/2", 10.5#, J-55 csg @ 1,824'. Cmt'd w/205 sx. Circ 7 bbls to surf.  
*Capacity: .0159 bbls/ft or .6699 gal/ft*  
**Production Tubing:** 2-3/8" string  
**Rod String:** 3/4" string  
**Pump:** 1-1/2" insert pump  
**Perforations:** Fruitland Coal: 1,557' – 1,646'  
**PBTD:** 1,774'  
**Recent Production:** INA since 6/30/2010. 0 mcfd, 0 bwpd (downhole failure).

*\*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. Kill well.
6. TOH & LD rods and pump.
7. ND WH. NU & FT BOP.
8. TOH & LD tubing.
9. TIH 3-7/8" bit & 3-7/8" string mill to 1,557' on 2-3/8" workstring. TOH.
10. TIH 4-1/2" CR and set @ ±1,520'. PT tubing. Sting out of CR and circulate hole clean.

11. PT casing and CR to 550 psig. If casing does not test, contact engineer.
12. MIRU cement truck. Review JSA.
13. **Perforation Isolation Plug (1,520' – 1,470')**: Pump 10 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 1,520' – 1,470' (volume calculated with 50' excess).
14. **Fruitland Coal Top Plug (1,080' – 980')**: Pump 15 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 1,080' – 980' (volume calculated with 50' excess).  
**See COA**
15. **Kirtland Top & Surface Plug (340' – Surface)**: Pump 30 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 340' – surface (volume calculated with 50' excess).
16. TOH & LD tubing.
17. RDMO cement truck.
18. WOC 4 hours.
19. Cut off WH. Fill in casing as needed with cement. Install above ground P&A marker.
20. 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. 1,600' 2-3/8" workstring
3. 4-1/2" cement retainer
4. 3-7/8" string mill
5. 55 sx Class "B" cement
6. 1 above ground marker

### Services:

1. Completion rig
2. Cement truck



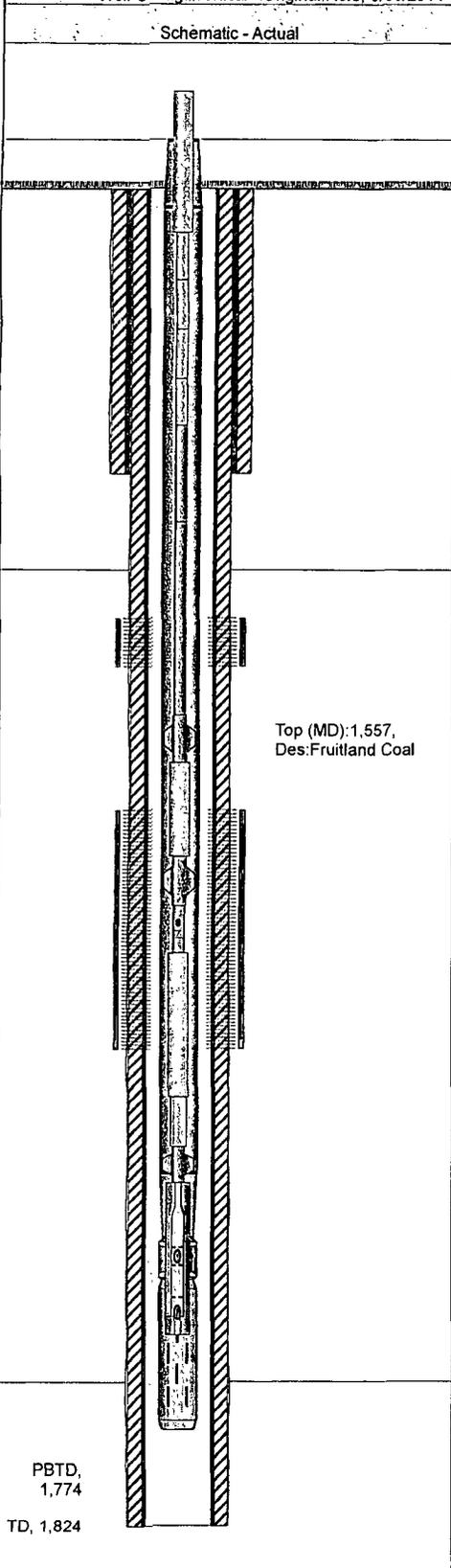
# XTO - Wellbore Diagram

## Current

Well Name: Tiger 07

API/UWI 30045296180000	E/W Dist (ft) 1,850.0	E/W Ref FEL	N/S Dist (ft) 1,025.0	N/S Ref FNL	Location T30N-R13W-S34	Field Name Basin Fruitland Coal	County San Juan	State/Province New Mexico
Well Configuration Type Vertical	XTO ID B 68148	Orig KB Elev (ft) 6,719.00	Gr Elev (ft) 6,715.00	KB-Grd (ft) 4.00	Spud Date 7/8/1998	PBTD (All) (ftKB) Original Hole - 1774.0	Total Depth (ftKB) 1,824.0	Method Of Production Hydraulic

Well Config: Vertical - Original Hole, 6/30/2014 9:50:48 AM



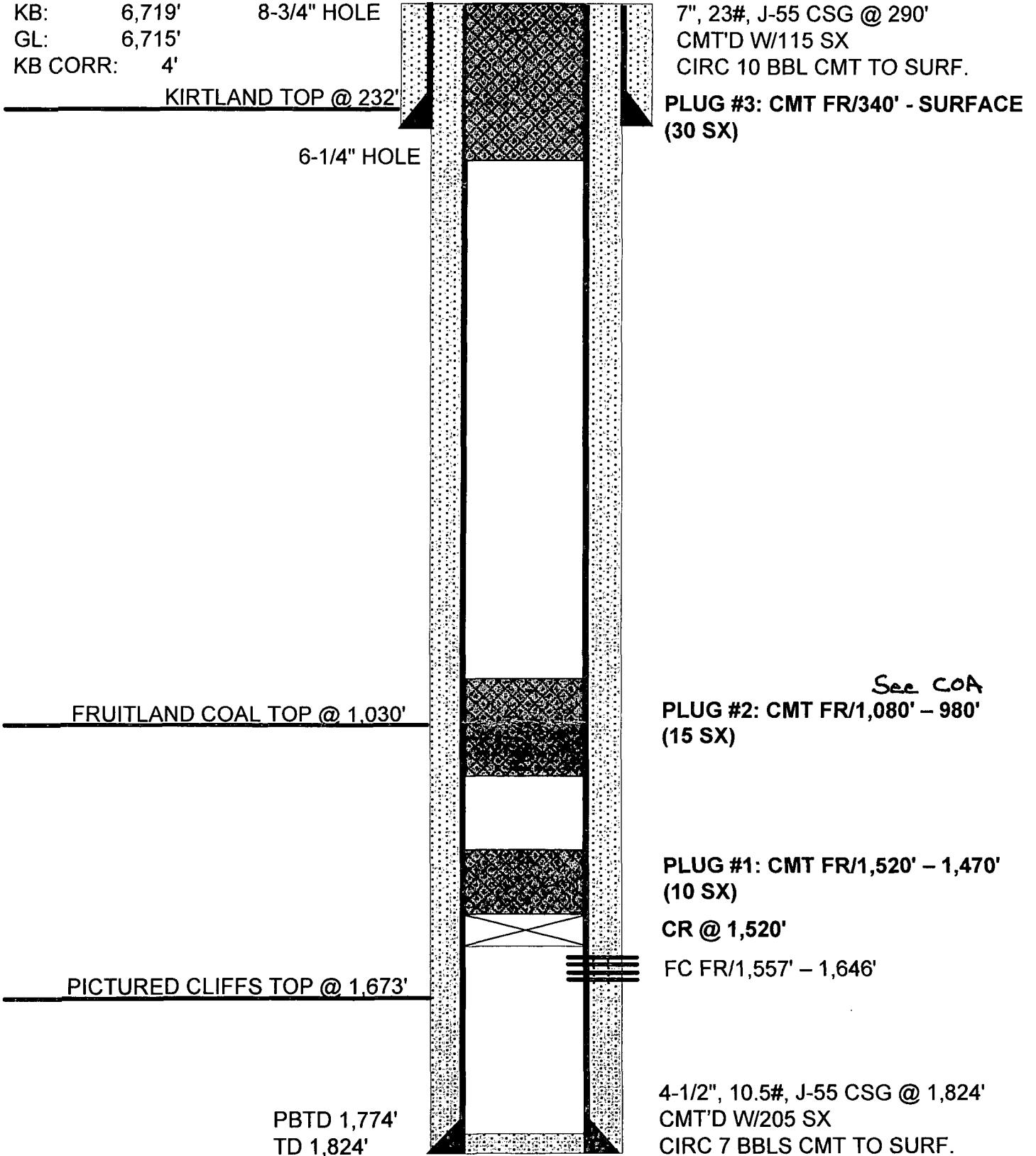
Top (MD): 1,557,  
Des: Fruitland Coal

PBTD,  
1,774  
TD, 1,824

Zones		Zone	Top (ftKB)	Btm (ftKB)						
Fruitland Coal			1,557.0	1,646.0						
Casing Strings										
-16	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
0	Surface	7	23.00	J-55		290.0				
4	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
4	Production	4 1/2	10.50	J-55		1,824.0				
Cement										
6	Description	Type	String							
6	Production Casing Cement	casing	Production, 1,824.0ftKB							
7	Description	Type	String							
9	Surface Casing Cement	casing	Surface, 290.0ftKB							
Perforations										
25	Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (")	Curr. Status	Zone		
290	8/12/1998	1,557.0	1,566.0	2.0				Fruitland Coal		
1,224	8/12/1998	1,625.0	1,646.0	2.0				Fruitland Coal		
Tubing Strings										
1,338	Tubing Description	Run Date	Set Depth (ftKB)							
1,338	Tubing - Production	3/3/2010	1,690.6							
Tubing Components										
1,566	Item Description	Jts	Model	OD (in)	Wt (lbs/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
1,566	Tubing	51	T&C Upset	2 3/8	4.70	J-55		1,660.50	0.0	1,660.5
1,599	Seat Nipple	1	T&C Upset	2 3/8	4.70	J-55		1.10	1,660.5	1,661.6
1,603	OEMA	1	T&C Upset	2 3/8	4.70	J-55		29.00	1,661.6	1,690.6
Rods										
1,629	Rod Description	Run Date	String Length (ft)		Set Depth (ftKB)					
1,629	Insert Pump	3/3/2010	1,688.50		1,672.0					
Rod Components										
1,634	Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)		
1,634	Polished Rod	1		1 1/4		22.00	-16.5	5.5		
1,641	Rod Sub	1		3/4	D	1.00	5.5	6.5		
1,641	Rod Sub	1		3/4	D	2.00	6.5	8.5		
1,641	Rod Sub	1		3/4	D	8.00	8.5	16.5		
1,646	Rod Sub	1		3/4	D	8.00	16.5	24.5		
1,658	Sucker Rod	48		3/4	D	1,200.00	24.5	1,224.5		
1,658	Sucker Rod w/Molded Guides	15		3/4	D	375.00	1,224.5	1,599.5		
1,659	Stabilizer Rod	1		7/8	D	4.00	1,599.5	1,603.5		
1,660	Sinker Bar	1		1 1/4	K	25.00	1,603.5	1,628.5		
1,660	Stabilizer Rod	1		7/8	D	4.00	1,628.5	1,632.5		
1,660	Shear Tool - 21K	1		3/4		1.00	1,632.5	1,633.5		
1,660	Sinker Bar	1		1 1/4	K	25.00	1,633.5	1,658.5		
1,662	Lift Sub	1		1		1.00	1,658.5	1,659.5		
1,662	Spiral Rod Guide	1		3/4		0.50	1,659.5	1,660.0		
1,672	Rod Insert Pump	1		1 1/2		12.00	1,660.0	1,672.0		
Stimulations & Treatments										
1,675	Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)	
1,675	8/13/1998	1625	1646							
1,691	Comment									
1,774	Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)	
1,774	8/13/1998	1557	1566							
1,824	Comment									

Tiger #7  
Sec 34, T 30 N, R 13 W  
San Juan County, New Mexico

Proposed P&A Diagram



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: Tiger #7

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) Set the Fruitland Coal top plug (1425-1325) ft. to cover the Fruitland top. BLM picks top of Fruitland Coal at 1375 ft.

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.