

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

David R. Catanach, 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: 1/8/15

Well information:

frmWellFilterSub													
API-WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf. Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-29115-00-00	P O PIPKIN	005E	XTO ENERGY, INC	G	A	San Juan	F	J	7	27	N	10	W

Application Type:

- P&A   
  Drilling/Casing Change   
  Location Change  
 Recomplete/DHC (For hydraulic fracturing operations review EPA Underground injection control Guidance #84)  
 Other:

Conditions of Approval:

**Notify NMOCD 24hrs prior to beginning operations, casing & cement**

**See APD Conditions of approval regarding Hydraulic Fracturing, Oil base muds and Well-bore communication.**

Extend Plug #1 up to 5977?

\_\_\_\_\_  
NMOCD Approved by Signature

1/22/15  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**RECEIVED**

**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>NMSF-077875</b>
2. Name of Operator <b>XTO ENERGY INC</b>		6. If Indian, Allottee or Tribe Name
3a. Address <b>382 CR 3100, Aztec, NM 87410</b>	3b. Phone No. (include area code) <b>505-324-1090</b>	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1,780' FSL &amp; 1,450' FEL Sec 07, T27N, R10W "J"</b>		8. Well Name and No. <b>P.O. PIPKIN #5E</b>
		9. API Well No. <b>30-045-29115</b>
		10. Field and Pool, or Exploratory Area <b>BASIN DAKOTA</b>
		11. County or Parish, State <b>SAN JUAN NM</b>

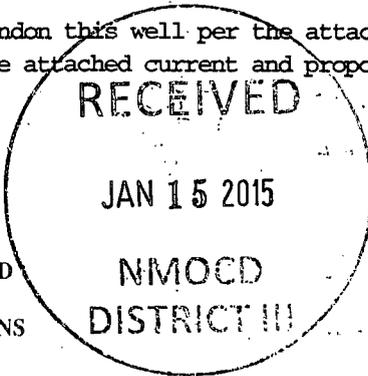
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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 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 shall 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 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 and surface reclamation plan.

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



H<sub>2</sub>S POTENTIAL EXIST

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>KRISTEN D. BABCOCK</b>		Title <b>REGULATORY ANALYST</b>
Signature <i>Kristen D. Babcock</i>		Date <b>1/8/2015</b>

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>Troy Salvors</i>	Title <b>PE</b>	Date <b>1/13/2015</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>	

**RECEIVED**

LWA \_\_\_\_\_  
MTG \_\_\_\_\_  
Approved \_\_\_\_\_

## PLUG AND ABANDONMENT PROCEDURE

December 5, 2014

### PO Pipkin 5E

Basin Dakota

1780' FSL and 1450' FEL, Section 7, T27N, R10W  
San Juan County, New Mexico / API 30-045-29115

Lat: \_\_\_\_\_ / Lat: \_\_\_\_\_

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. 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.
2. Rods: Yes \_\_\_\_\_, No X, Unknown \_\_\_\_\_.  
Tubing: Yes X, No \_\_\_\_\_, Unknown \_\_\_\_\_, Size 2.375", Length 6020'.  
Packer: Yes \_\_\_\_\_, No X, Unknown \_\_\_\_\_, Type \_\_\_\_\_.
3. **Plug #1 (Dakota interval, 6077' – 6027')**: Round trip 4.5" gauge ring to 6080' or as deep as possible. RIH and set 4.5" cement retainer at 6077'. Pressure test tubing to 1000 PSI. Circulate well clean. Casing will not test 3540-1731'. spot or tag subsequent plugs as appropriate. Mix 8 sxs Class B cement inside casing to isolate the Dakota perforations and top. PUH.  

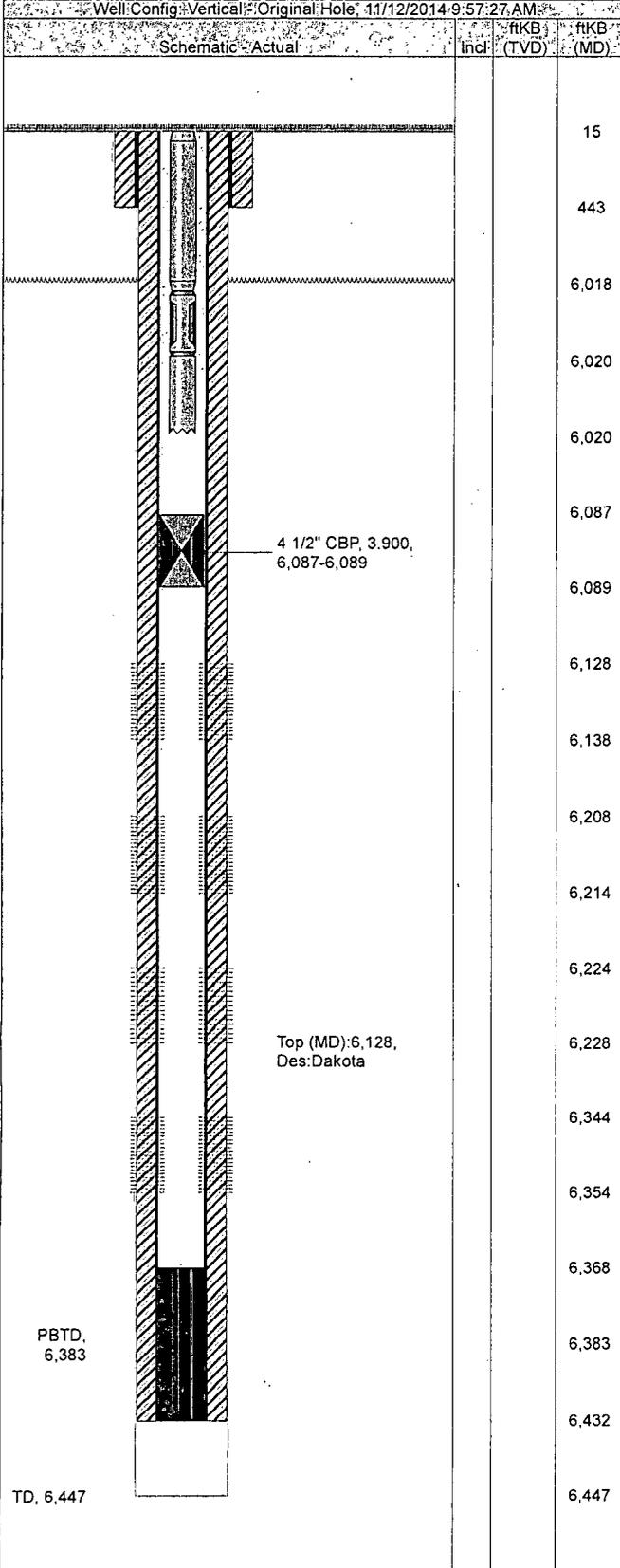
**See COA**
4. **Plug #2 (Mancos & Gallup top, 5279' – 4327')**: Spot 75 sxs Class B and spot a balanced plug inside casing to cover the Mancos and Gallup tops. PUH.
5. **Plug #3 (Chacra & Mesa Verde top, 3280' – 2564')**: Spot 57 sxs Class B and spot a balanced plug inside casing to cover the Chacra and Mesa Verde tops. PUH.
6. **Plug #4 (Fruitland & Pictured Cliffs top, 1752' – 1180')**: Spot 46 sxs Class B and spot a balanced plug inside casing to cover the Fruitland and Pictured Cliffs tops. PUH.
7. **Plug #5 (Ojo Alamo & Kirtland top, 826' – 600')**: Spot 21 sxs Class B and spot a balanced plug inside casing to cover the Ojo Alamo and Kirtland tops. PUH.
8. **Plug #6 (8.625" casing shoe, 493' – 0')**: Mix approximately 41 sxs cement and spot a balanced plug from 493' to surface. TOH and LD tubing. Shut well in and WOC
9. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations: RD, move off location, cut off anchors and restore location.



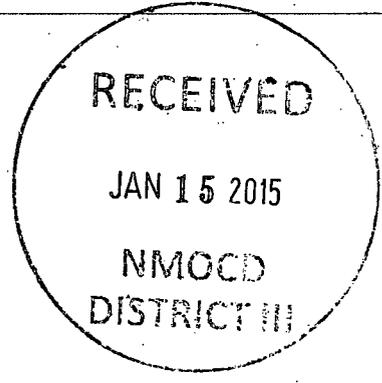
# XTO - Wellbore Diagram

**Well Name: PO Pipkin 05E**

API/UWI 30045291150000	E/W Dist (ft) 1,450.0	E/W Ref FEL	N/S Dist (ft) 1,780.0	N/S Ref FSL	Location T27N-R10W-S07	Field Name Basin Dakota	County San Juan	State/Province New Mexico
Well Configuration Type Vertical	XTO ID B 70863	Orig KB Elev (ft) 5,907.00	Gr Elev (ft) 5,891.00	KB-Grd (ft) 16.00	Spud Date 8/4/1994	PBTD (All) (ftKB) Original Hole - 6383.0	Total Depth (ftKB) 6,447.0	Method Of Production Plunger Lift



Zones		Zone	Top (ftKB)	Btm (ftKB)						
		Mancos								
		Dakota	6,128.0	6,354.0						
<b>Casing Strings</b>										
15	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
	Surface	8 5/8	32.00	K-55		443.0				
443	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
	Production	4 1/2	11.60	J-55		6,432.0				
<b>Cement</b>										
6,018	Description	Type	String							
	Surface Casing Cement	casing	Surface, 443.0ftKB							
	Comment									
	Cmtd w/310 sx CIA cmt. Circ 30 bbls cmt to surf.									
6,020	Description	Type	String							
	Production Casing Cement	casing	Production, 6,432.0ftKB							
	Comment									
	Cmtd w/1020 sx Howco, tail w/300 sx CIA cmt.									
6,020	<b>Perforations</b>									
	Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (ft)	Curr. Status	Zone		
6,087	9/10/1994	6,128.0	6,138.0	2.0				Dakota		
	9/10/1994	6,208.0	6,214.0	2.0				Dakota		
	9/10/1994	6,224.0	6,228.0	2.0				Dakota		
6,089	9/10/1994	6,344.0	6,354.0	2.0				Dakota		
<b>Tubing Strings</b>										
6,128	Tubing Description	Run Date	Set Depth (ftKB)							
	Tubing - Production	9/6/2013	6,020.0							
<b>Tubing Components</b>										
6,138	Item Description	Jts	Model	OD (in)	Wt (lbs/ft)	Gra	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
	Tubing	193	T&C Upset	2 3/8	4.70	J-55		6,003.43	15.1	6,018.5
6,208	Pump Seating Nipple	1		2 3/8				1.10	6,018.5	6,019.6
	Notched Collar	1		2 3/8				0.40	6,019.6	6,020.0
6,214	<b>Stimulations &amp; Treatments</b>									
	Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...)	ATP (psi)	MTP (psi)	ISIP (psi)	
6,224	Comment									
6,228	<div style="border: 2px solid black; border-radius: 50%; padding: 20px; text-align: center;"> <p>RECEIVED</p> <p>JAN 15 2015</p> <p>NMCCD</p> <p>DISTRICT III</p> </div>									
6,344										
6,354										
6,368										
6,383										
6,432										
6,447										

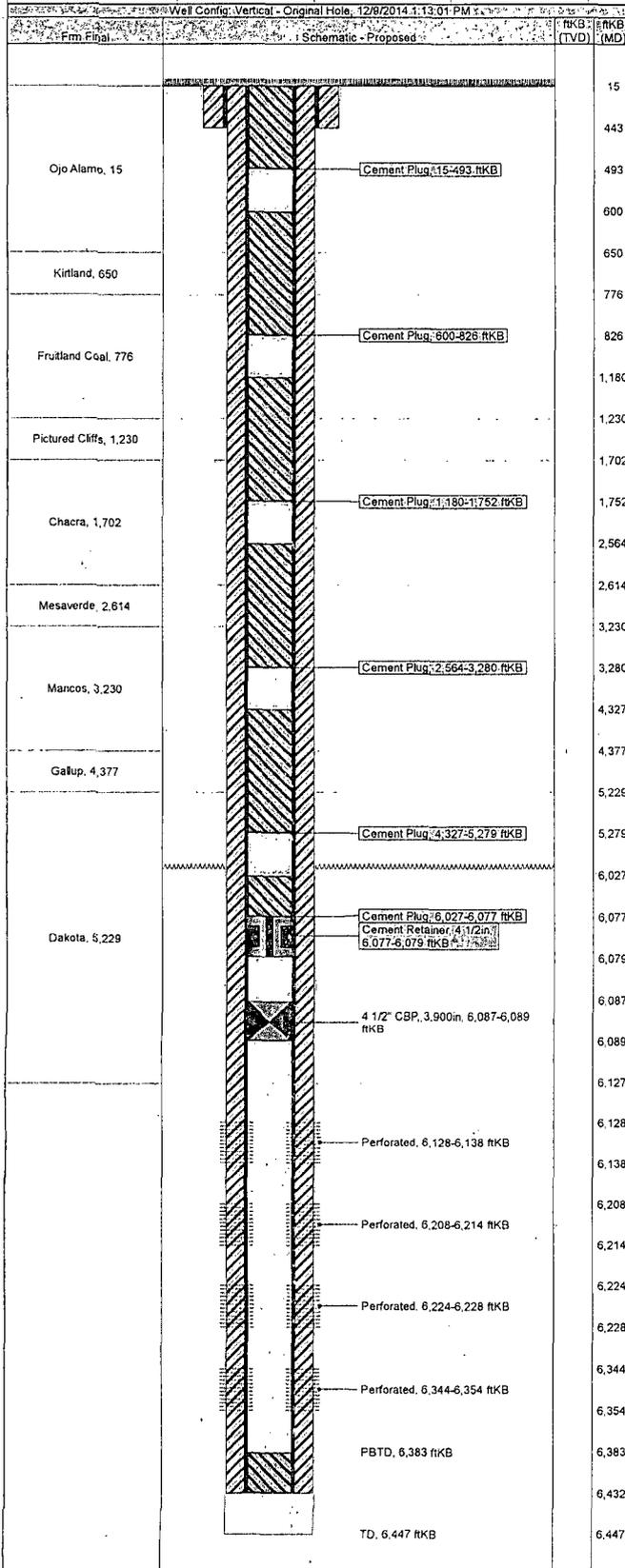




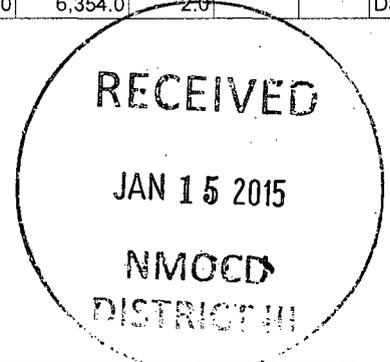
# XTO - Proposed P&A Wellbore Diagram

**Well Name: PO Pipkin 05E**

API/UWI 30045291150000	E/W Dist (ft) 1,450.0	E/W Ref FEL	N/S Dist (ft) 1,780.0	N/S Ref FSL	Location T27N-R10W-S07	Field Name Basin Dakota	County San Juan	State/Province New Mexico
Well Configuration Type Vertical	XTO ID B 70863	Orig KB Elev (ft) 5,907.00	Gr Elev (ft) 5,891.00	KB-Grd (ft) 16.00	Spud Date 8/4/1994	PBTD (All) (ftKB) Original Hole - 6383.0	Total Depth (ftKB) 6,447.0	Method Of Production Plunger Lift



Zones						
Zone	Top (ftKB)	Bottom (ftKB)				
Mancos						
Dakota	6,128.0	6,354.0				
Casing Strings						
Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)	
Surface	8 5/8	32.00	K-55		443.0	
Production	4 1/2	11.60	J-55		6,432.0	
Cement						
Description	Type	String				
Cement Plug		Production, 6,432.0ftKB				
Comment						
Plug 1: Pump 50 sx fr 6,077' - 6,027'.						
Plug 2: Pump 75 sx fr/ 5,279' - 4,327'.						
Plug 3: Pump 57 sx fr 3,280' - 2,564'.						
Plug 4: Pump 46 sx from 1,752' - 1,180'.						
Plug 5: Pump 21 sx from 826' - 600'.						
Plug 6: Pump 41 sx from 493' - surface.						
Cmtd w/310 sx CIA cmt. Circ 30 bbls cmt to surf.						
Cmtd w/1020 sx Howco, tail w/300 sx CIA cmt.						
Other in Hole						
Description	OD (in)	Top (ftKB)				
4 1/2" CBP	3.9	6,087.0				
Cement Retainer	4 1/2	6,077.0				
Perforations						
Date	Top (ftKB)	Botm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Prasing (%)	Zone
9/10/1994	6,128.0	6,138.0	2.0			Dakota
9/10/1994	6,208.0	6,214.0	2.0			Dakota
9/10/1994	6,224.0	6,228.0	2.0			Dakota
9/10/1994	6,344.0	6,354.0	2.0			Dakota



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: PO Pipkin #5E

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) Bring the top of plug #2 to 4308 ft. to cover the Mancos top. Adjust cement volume accordingly.

Note: H<sub>2</sub>S has not been reported in this section; however, low concentrations of H<sub>2</sub>S (3 ppm - 10ppm GSV) have been reported in wells within a 1 mile radius of this location

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.