

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
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 reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. P O PIPKIN 2E
2. Name of Operator XTO ENERGY INC		9. API Well No. 30-045-25105-00-S1
3a. Address ENGLEWOOD, CO 80155	3b. Phone No. (include area code) Ph: 505-333-3206	10. Field and Pool, or Exploratory BASIN DAKOTA
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 8 T27N R10W SWNW 1680FNL 0810FWL 36.592390 N Lat, 107.924470 W Lon		11. County or Parish, and State SAN JUAN COUNTY, 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 site is ready for final inspection.)

XTO Energy Inc. proposes to plug and abandon this well per the attached procedure. XTO will be using a Closed Loop System. Please see attached Current and Proposed Wellbore Diagrams.

Per Onshore Order 1 Sec. III.D.4.j & Sec. XII, XTO Energy is amending the original reclamation plan that was approved with this wells original APD. The attached plan will supersede/replace all other plan/s on record.

OIL CONS. DIV DIST. 3

NOV 09 2015

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

Notify NMOCD 24 hrs  
prior to beginning  
operations

**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**

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #321257 verified by the BLM Well Information System For XTO ENERGY INC, sent to the Farmington Committed to AFMSS for processing by JACK SAVAGE on 11/03/2015 (16JWS0022SE)	
Name (Printed/Typed) KRISTEN D LYNCH	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 10/23/2015

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

Approved By JACK SAVAGE	Title PETROLEUM ENGINEER	Date 10/23/2015
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 Farmington		

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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

**NMOCD**

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KC



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

**PLUG AND ABANDONMENT PROCEDURE**

December 15, 2014

**P.O. Pipkin #2E**

Basin Dakota

1680' FNL, 810' FWL, Section 8, T27N, R10W, San Juan County, New Mexico

API 30-045-25105 / 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 \_\_\_\_\_, Length \_\_\_\_\_  
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 to 6306'.

**NOTE: BLM requires a CBL log to be run on all wells where the cement did not circulate to surface or where a T.S. or CBL log was not previously run. This procedure is prepared with the understanding that it may be modified based on the TOC from the CBL.**

4. **Plug #1 (Dakota perforations and top and 2.875" casing shoe, 6286' – 6148')**: TIH and set 2.875" wireline set CIBP at 6286'. Load casing with water and circulate well clean. Pressure test casing to 1000#. *If casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 10 sxs Class B cement above CIBP to isolate the Dakota interval. PUH.
5. **Plug #2 (Gallup top, 5500' – 5400')**: mix 10 sxs Class B cement and spot a balanced plug inside casing to cover the Gallup top. PUH.
6. **Plug #3 (Mancos top, 4640' – 4540')**: <sup>See COA</sup> mix 10 sxs Class B cement and spot a balanced plug inside casing to cover the Mancos top. PUH.
7. **Plug #4 (Mesaverde top, 3386' – 3286')**: <sup>See COA</sup> mix 10 sxs Class B cement and spot a balanced plug inside casing to cover the Mesaverde top. PUH.

8. **Plug #5 (Chacra top: 2870' – 2670'):** mix 10 sxs Class B cement and spot a balanced plug inside casing to cover the Chacra top. TOH.
9. **Plug #6 (Pictured Cliffs top, 1615' - 1515'):** Perforate 3 squeeze holes through 2-7/8" casing and 4.5" annulus at 1615'. Attempt to establish rate into annulus. PU 2.875" wireline cement retainer and set at 1904'. Establish rate into squeeze holes. Mix and pump 51 sxs Class B cement, squeeze 39 sxs outside the 4.5" x 7.875" casing, 8 sxs in annulus and leave 5 sxs inside 2.875" casing to cover the Pictured Cliffs top. TOH.
10. **Plug #7 (Fruitland top, 1488' – 1388'):** Perforate 3 squeeze holes through 2-7/8" casing and 4.5" annulus at 1488'. Attempt to establish rate into annulus. PU 2.875" wireline cement retainer and set at 1438'. Establish rate into squeeze holes. Mix and pump 51 sxs Class B cement, squeeze 39 sxs outside the 4.5" x 7.875" casing, 8 sxs in annulus and leave 5 sxs inside 2.875" casing to cover the Fruitland top. TOH.
11. **Plug #8 (Kirtland and Ojo Alamo tops, 1088' – 839'):** Perforate 3 squeeze holes through 2-7/8" casing and 4.5" annulus at 1088'. Attempt to establish rate into annulus. PU 2.875" wireline cement retainer and set at 1038'. Establish rate into squeeze holes. Mix and pump 112 sxs Class B cement, squeeze 96 sxs outside the 4.5" x 7.875" casing, 12 sxs in annulus and leave 9 sxs inside 2.875" casing to cover through the Ojo Alamo top. TOH.
12. **Plug #9 (Surface plug, 340' - Surface):** Perforate 3 HSC holes at 340'. Mix and pump approximately 85 sxs cement down the 2.875" casing until good cement returns out annuli and bradenhead. Shut in well and WOC.
13. **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.



# P.O. Pipkin #2E

Current

Basin Dakota

1680' FNL, 810' FWL, Section 8, T-27-N, R-10-W,

San Juan County, NM / API #30-045-25105

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

Today's Date: 12/15/14

Spud: 11/8/81

Completed: 12/16/81

Elevation: 6072' GL  
6085' KB

Ojo Alamo @ 889'

Kirtland @ 1038'

Fruitland @ 1438'

Pictured Cliffs @ 1904'

Chacra @ 2820'

Mesaverde @ 3448'

Mancos @ 4590'

Gallup @ 5450'

Dakota @ 6248'

12.25" hole

7.875" hole

8.625" 24#, Casing set @ 290'  
Cement with 315 sxs (Circulated to Surface)

4.5" TOC @ unknown, did not circulate

2-7/8" TOC unknown, did not circulate

NOTE: casing leaks 1630' - 2012' (2013)

NOTE: casing leaks 3974' - 4038' (2013)

DV Tool @ 4761'

2<sup>nd</sup> stage: Cement with 1070 sxs

4.5" TOC unknown, did not circulate

External Casing Packer @ 6324' (2013)

2.875", 6.4#, J-55 Casing set @ 6422'  
Cement with 150 sxs (288 cf)

Dakota Perforations:

6336' - 6474'

4.5", 10.5#, K-55 Casing set @ 6612'  
1<sup>st</sup> stage: Cement with 490 sxs

TD 6612'  
PBTD 6566'

# **P.O. Pipkin #2E** **Proposed P&A**

Basin Dakota

1680' FNL, 810' FWL, Section 8, T-27-N, R-10-W,

San Juan County, NM / API #30-045-25105

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

Today's Date: 12/15/14

Spud: 11/8/81

Completed: 12/16/81

Elevation: 6072' GL  
6085' KB

12.25" hole

Ojo Alamo @ 889'

Kirtland @ 1038'

Fruitland @ 1438'

NOTE: casing leaks 1630' - 2012' (2013)

Pictured Cliffs @ 1904'

Chacra @ 2820'

Mesaverde @ 3448'

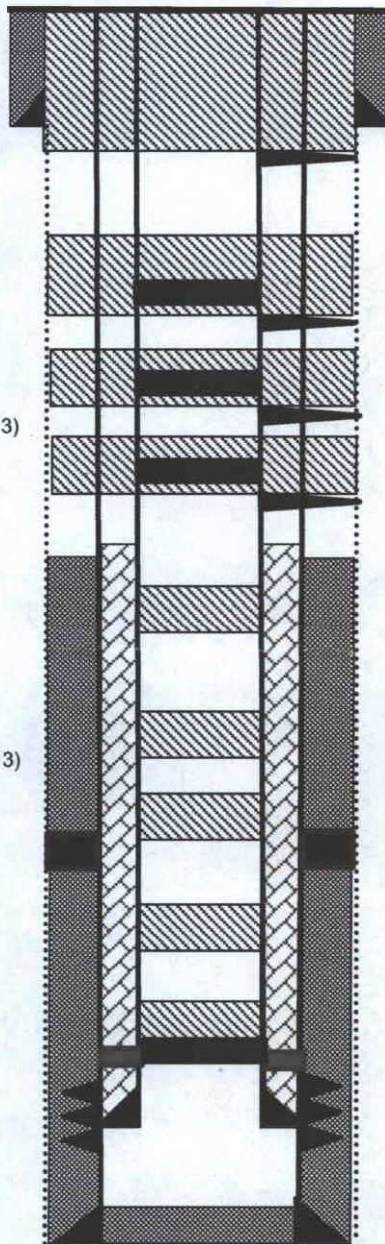
NOTE: casing leaks 3974' - 4038' (2013)

Mancos @ 4590'

Gallup @ 5450'

Dakota @ 6248'

7.875" hole



TD 6612'  
PBTD 6566'

8.625" 24#, Casing set @ 290'  
Cement with 315 sxs (Circulated to Surface)

Perforate @ 340'

Plug #9: 340' - 0'  
Class B cement, 85 sxs

CR @ 1038'

Plug #8: 1088' - 839'  
Class B cement, 112 sxs:  
9 inside, 12 annulus and  
96 outside 4.5"

Perforate @ 1088'

CR @ 1438'

Plug #7: 1488' - 1388'  
Class B cement, 51 sxs:  
5 inside, 8 annulus and 39  
outside 4.5"

Perforate @ 1488'

CR @ 1904'

Plug #6: 1954' - 1854'  
Class B cement, 51 sxs:  
5 inside, 8 annulus and 39  
outside 4.5"

Perforate @ 1954'

4.5" TOC @ unknown, did not circulate

2-7/8" TOC unknown, did not circulate

Plug #5: 2870' - 2670'  
Class B cement, 10 sxs

Plug #4: 3498' - 3398'  
Class B cement, 10 sxs

DV Tool @ 4761'

2<sup>nd</sup> stage: Cement with 1070 sxs

Plug #3: 4640' - 4540'  
Class B cement, 10 sxs

Plug #2: 5500' - 5400'  
Class B cement, 10 sxs

4.5" TOC unknown, did not circulate

External Casing Packer @ 6324' (2013)

Set CR @ 6286'

Plug #1: 6286' - 6186'  
Class B cement, 10 sxs

2.875", 6.4#, J-55 Casing set @ 6422'  
Cement with 150 sxs (288 cf)

Dakota Perforations:  
6336' - 6474'

4.5", 10.5#, K-55 Casing set @ 6612'  
1<sup>st</sup> stage: Cement with 490 sxs



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: P.O. Pipkin #02E

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 plug #3 (4668-4568) ft. to cover the Mancos top. BLM picks top of Mancos at 4618 ft.
- b) Set plug #4 (3500-3400) ft. to cover the Mesaverde top. BLM picks top of Cliff House at 3450 ft.
- c) Set plug #6 (1973-1873) ft. inside/outside to cover the Pictured Cliffs top. BLM picks top of Pictured Cliffs at 1923 ft.
- d) Set plug #7 (1658-1558) ft. inside/outside to cover the Fruitland top. BLM picks top of Fruitland at 1608 ft.

H<sub>2</sub>S has not been reported at this location, however, low concentrations of H<sub>2</sub>S (3 ppm GSV) have been reported in the SESW/4 Sec. 8, 27N, 10W.

Operator will run a CBL to verify cement top. Submit the electronic copy of the log for verification to the following addresses: [jwsavage@blm.gov](mailto:jwsavage@blm.gov) [tsalyers@blm.gov](mailto:tsalyers@blm.gov) [Brandon.Powell@state.nm.us](mailto:Brandon.Powell@state.nm.us)

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.

**GENERAL REQUIREMENTS FOR  
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES  
FARMINGTON FIELD OFFICE**

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured. (densimeter/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

4.6 **A cement bond log (CBL) is required to be ran if one had not been previously ran or cement did not circulate to surface during the primary cement job or subsequent cement job.**



5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.

5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.

5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.

5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. Short or long term venting may be necessary to evacuate trapped gas. **If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.**

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.

6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H<sub>2</sub>S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.