

State of New Mexico  
Energy, Minerals and Natural Resources Department

**Susana Martinez**  
Governor

**David Martin**  
Cabinet Secretary-Designate

**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: 6/9/14

Application Type:

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

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf. Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-07276-00-00	J C DAVIDSON E	001	XTO ENERGY, INC	G	A	San Juan	F	M	22	28	N	10	W

Conditions of Approval:

Notify NMOCD 24hrs prior to beginning operations

2/13/1976 CBL on file shows a TOC in the 3 ½ at 1740' all plugs above this will need to be inside/outside plugs. Perforations should penetrate both the 3 ½ and 5 ½ casing strings to ensure formation isolation.

Extend top of Ojo Alamo plug to 910 feet

NMOCD Approved by Signature

7-15-14  
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**

5. Lease Serial No.  
**NMSF-077383**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
**JC DAVIDSON E #1**

9. API Well No.  
**30-045-07276**

10. Field and Pool, or Exploratory Area  
**FULCHER KUTZ PICTURED CLIFFS**

11. County or Parish, State  
**SAN JUAN NM**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**XTO ENERGY INC.**

3a. Address  
**382 CR 3100 AZTEC, NM 87410**

3b. Phone No. (include area code)  
**505-333-3630**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**990' FSL & 990' FWL SWSW SEC. 22 (M) - T28N-R10W N.M.P.M.**

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 and will be using a Closed Loop System. Please see also the attached current and proposed wellbore diagrams and surface reclamation plan.**

OIL CONS. DIV DIST. 3

JUN 18 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**



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

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) **SHERRY J. MORROW** Title **REGULATORY ANALYST**

Signature *Sherry J. Morrow* Date **6/9/2014**

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

Approved by *Troy Salvors* Title **Petroleum Engineer** Date **6/16/2014**

Office **FFO**

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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.

ML \_\_\_\_\_  
MTG \_\_\_\_\_  
Approved \_\_\_\_\_

## PLUG AND ABANDONMENT PROCEDURE

### J.C. Davidson E #1 AFE#1404843

Fulcher Kutz Pictured Cliffs

May 19, 2014

990 FSL', 990' FWL, Section 22, T28N, R10W, San Juan County, New Mexico

API 30-045-07276 / 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 \_\_\_\_\_, Unknown \_\_\_\_\_  
Tubing: Yes , No \_\_\_\_\_, Unknown \_\_\_\_\_, Size 2-3/8", Length 2184'  
Packer: Yes \_\_\_\_\_, No , Unknown \_\_\_\_\_, Type \_\_\_\_\_  
If well has rods or a packer, then modify the work sequence in Step #2 as appropriate.

**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 (Pictured Cliffs interval, 5.5" casing shoe and Fruitland top, 2087' – 1868')**: RIH with wireline and set 3.5" cement retainer (CIBP) at 2087'. Load casing with water and circulate well clean. Pressure test casing to 800#. If casing does not pressure test then spot or tag subsequent plugs as appropriate. Mix 8\12 sxs Class B cement above CR to isolate through the Fruitland top. PUH.
5. **Plug #2 (Kirtland top, 1248' – 1148')**: Mix and pump 8 sxs Class B cement and spot a balanced plug inside casing to cover the Kirtland top. TOH.
6. **Plug #3 (Ojo Alamo top, 1108' – 1008')**: Perforate 3 squeeze holes at 1108'. Attempt to establish rate if the casing pressure tested. Set 3.5" wireline cement retainer at 1058'. Establish rate into squeeze holes. Mix and pump 38 sxs Class B cement, squeeze 30 sxs outside 5.5" x 7-7/8" annulus and leave 8 sxs inside casing to cover the Ojo Alamo top. TOH and LD tubing.
7. **Plug #4 (Surface plug, 116' - Surface)**: Perforate 3 HSC holes at 116'. Mix and pump approximately 55 sxs cement down the 3.5" casing until good cement returns out casing, annuli and bradenhead. Shut in well and WOC.
8. 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.

# J.C. Davidson E #1

## Current

Fulcher Kutz Pictured Cliffs  
990' FSL, 990' FWL, Section 22, T-28-N, R-10-W,  
San Juan County, NM / API #30-045-07276  
Lat \_\_\_\_\_ / Long \_\_\_\_\_

Today's Date: 5/19/14

Spud: 12/3/49

Comp: 12/30/49

Elevation: 6090' GL  
6094' KB

Ojo Alamo @ 1058' \*est

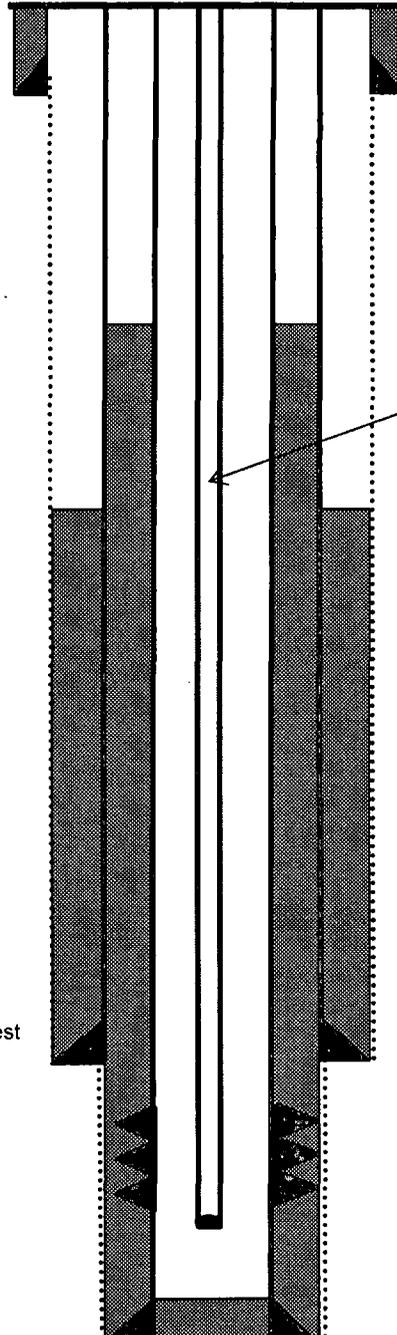
Kirtland @ 1198' \*est

Fruitland @ 1918' \*est

7-7/8" hole to 2131' \*est

Pictured Cliffs @ 2137' \*est

4" hole to 2209' est'



9-5/8", 36#, H-40 Casing set @ 66'  
Cement with 40 sxs (Circulated to Surface)

3.5" TOC @ 883' (Calc, 75%)

2-3/8" tubing at 2184'  
(65 jts, SN with rods and pump)

5.5" TOC @ 1109' (Calc, 75%)

5.5", 15.5#, J-55 Casing set @ 2131'  
Cement with 200 sxs

Pictured Cliffs Perforations:  
2137' - 2155'

3.5", 9.3#, J-55 casing set @ 2208'  
Cement with 100 sxs

TD 2209'  
PBTD 2195'

# J.C. Davidson E #1 Proposed P&A

Fulcher Kutz Pictured Cliffs  
990' FSL, 990' FWL, Section 22, T-28-N, R-10-W,  
San Juan County, NM / API #30-045-07276  
Lat \_\_\_\_\_ / Long \_\_\_\_\_

Today's Date: 5/19/14  
Spud: 12/3/49  
Comp: 12/30/49  
Elevation: 6090' GL  
6094' KB

12-1/4" hole

Ojo Alamo @ 1058' \*est

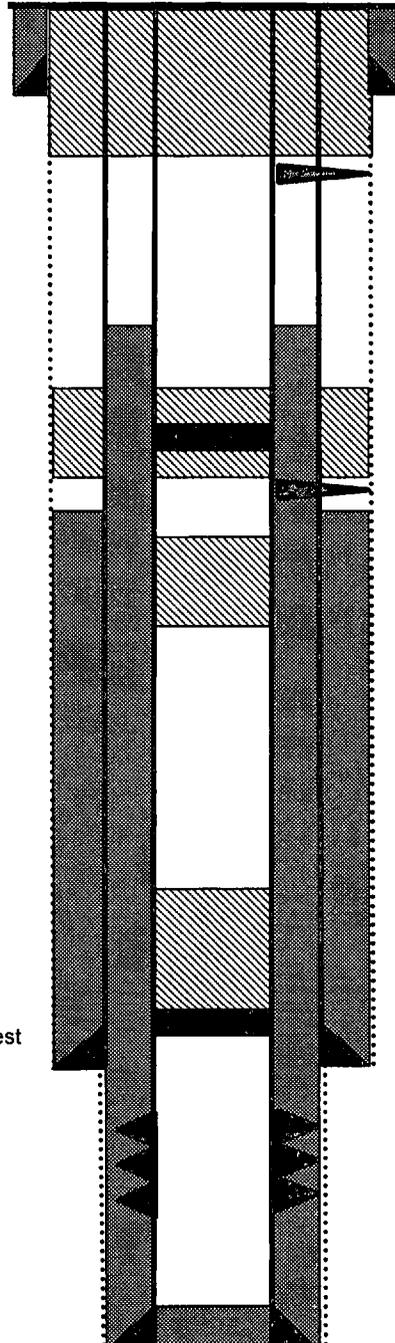
Kirtland @ 1198' \*est

Fruitland @ 1918' \*est

7-7/8" hole to 2131' \*est

Pictured Cliffs @ 2137' \*est

4" hole to 2209' est'



9-5/8", 36#, H-40 Casing set @ 66'  
Cement with 40 sxs (Circulated to Surface)

Perforate @ 116'

Plug #4: 116'- 0'  
Class B cement, 55 sxs

3.5" TOC @ 883' (Calc, 75%)

Set CR @ 1058'

Plug #3: 1108' - 1008'  
Class B cement, 38 sxs:  
8 inside and 30 outside 5.5"  
by 7-7/8"

Perforate @ 1108'

5.5" TOC @ 1109' (Calc, 75%)

Plug #2: 1248' - 1148'  
Class B cement, 8 sxs

Plug #1: 2087' - 1868'  
Class B cement, 12 sxs

Set CR @ 2087'

5.5", 15.5#, J-55 Casing set @ 2131'  
Cement with 200 sxs

Pictured Cliffs Perforations:  
2137' - 2155'

3.5", 9.3#, J-55 casing set @ 2208'  
Cement with 100 sxs

TD 2209'  
PBTD 2195'

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: JC Davidson E #1

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 modification(s) to your plugging program are to be made:
  - a) Bring the top of plug #1 up to 1844 ft. to cover the Fruitland Coal top. Adjust cement volume accordingly.
  - b) Set Plug #2 from (1239-1139) ft. to cover Kirtland top.
  - c) Bring the top of plug #3 up to 973 ft. inside/outside to cover the Ojo Alamo top. Adjust cement volume accordingly.

**Operator will run a CBL to verify cement top. Submit electronic copy of the log for verification to the following BLM address: [tsalyers@blm.gov](mailto:tsalyers@blm.gov)**

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.