

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: 7/16/14

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf. Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-31604-00-00	UTE INDIANS A	036	XTO ENERGY, INC	G	A	San Juan	U	P	27	32	N	14	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

Add Entrada plug from 3570 to 3470

Extend Dakota plug to 2172 to cover Graneros top

Add Gallup plug from 1540 to 1440

NMOCD Approved by Signature

9-16-14

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		5. Lease Serial No. <b>14-20-604-62</b>
2. Name of Operator <b>XTO ENERGY INC.</b>		6. If Indian, Allottee or Tribe Name <b>Ute Mountain Ute Tribe</b>
3a. Address <b>382 CR 3100 AZTEC, NM 87410</b>	3b. Phone No. (include area code) <b>505-333-3630</b>	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>932' FSL &amp; 845' FEL SESE Sec.27 (P) -T32N-R14W</b>		8. Well Name and No. <b>UTE INDIANS A #36</b>
		9. API Well No. <b>30-045-31604</b>
		10. Field and Pool, or Exploratory Area <b>AK/BC/DC/IS</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 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. 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.

ROVD AUG 18 '14

OIL CONS. DIV.

DIST. 3

SEE ATTACHED  
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 <i>[Signature]</i>	Title <b>WISC</b>	Date <b>8/12/14</b>
Office <b>TRES RIOS FIELD OFFICE</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.		
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.		

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

**NOTE: 2% H2S in well in 2003**

**PLUG AND ABANDONMENT PROCEDURE**

April 29, 2014

**Ute Indian A #36**

Barker Dome Paradox/Akah/Desert Creek/Ismay  
932' FSL and 845' FEL, Section 27, T32N, R14W  
San Juan County, New Mexico / API 30-045-31604  
Lat: N \_\_\_\_\_ / Lat: W \_\_\_\_\_

Note: All cement volumes use 10% excess per 1000 foot of depth or 100% excess outside pipe and 50' excess inside pipe, whichever is greater. 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 will use 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 Colorado BLM, NMOCD 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. ND wellhead and NU BOP. Function test BOP.
3. Rods: Yes \_\_\_\_\_, No X, Unknown \_\_\_\_\_;  
Tubing: Yes X, No \_\_\_\_\_, Unknown \_\_\_\_\_, Size 2-3/8", Length 6469';  
Packer: Yes X, No \_\_\_\_\_, Unknown \_\_\_\_\_, Type Model R @ 4085'.  
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.
4. **Plug #1** (<sup>Paradox/Hermosa</sup> ~~Dakota perforations and top, 8180' – 6350'~~): Round trip gauge ring or casing scraper to 6400' or as deep as possible. TIH and set 5.5" cement retainer at 6400'. Pressure test tubing to 1000 PSI. Circulate well clean. Pressure test casing to 800 PSI. If casing does not test then spot or tag subsequent plugs as appropriate. Sting into CR and establish injection. Mix 328 sxs Class B cement, squeeze 300 sxs below CR to isolate Paradox and Hermosa intervals and cover fish, then leave 28 above CR. PUH.
5. **Plug #2 (Chinle top, 4071' – 4171')**: Mix and pump 17 sxs Class B cement and spot a balanced plug inside casing to cover the Chinle top. PUH.
6. **Plug #3 (Morrison and Dakota tops, 2590' – 2234')**: Mix and pump 46 sxs Class B cement and spot a balanced plug inside casing to cover through the Dakota top. PUH.
7. **Plug #4 (8.625" casing shoe, Mancos top, 900' – 535')**: Mix and pump 47 sxs Class B cement and spot a balanced plug inside casing to cover through the Mancos top. PUH with tubing.

8. **Plug #5 (surface, 100'– 0')**: Attempt to pressure test the bradenhead annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix approximately 15 sxs cement and spot a balanced plug from 100' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut well in and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the casing from 100' and the annulus from the squeeze holes to surface. Shut in well and WOC.
9. 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.

# Ute Indian A #36 Current

Barker Dome Paradox / Akah/Desert Creek/Ismay

932' FSL, 845' FEL, Section 27, T-32-N, R-14-W

San Juan County, NM, API #30-045-31604

Today's Date: 4/29/14

Spud: 4/28/03

Paradox Completed: 8/15/03

Akah Completed: 8/29/03

Elevation: 5983' GL

Mancos @ 585' \*est

12.25" hole

Dakota @ 2284'

Morrison @ 2540'

Chinle @ 4021'

Hermosa @ 6572'

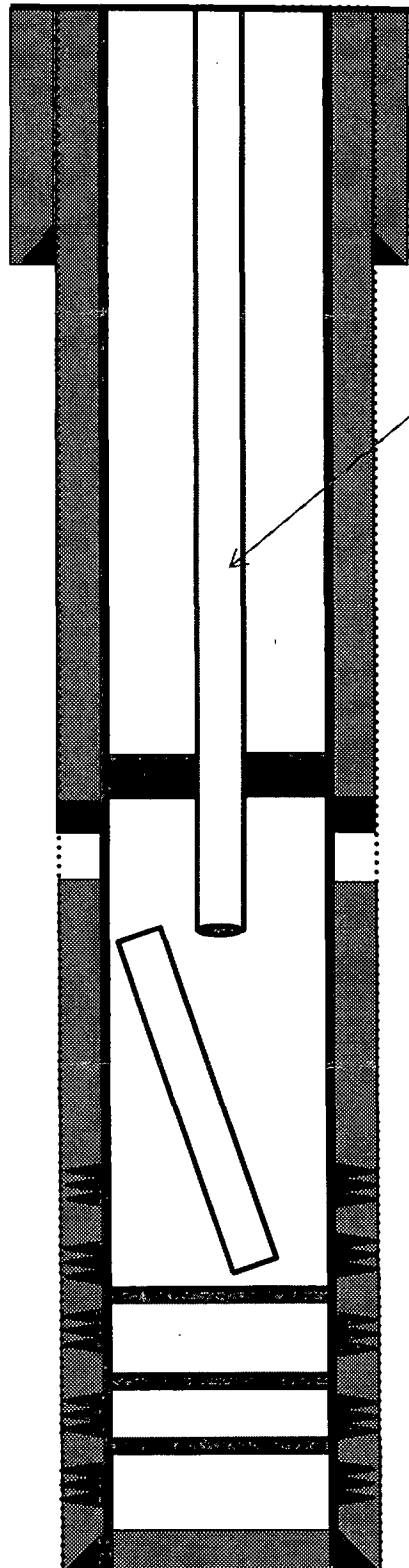
Paradox @ 7691'

Existing CIBP @ 8180'

Existing CIBP @ 8270'

Existing CIBP @ 8480'

7-7/8" hole



Cement circulated to surface during completion (1981)

8.625" 24#, K-55 Casing set @ 850'  
Cement with 360 sxs, circulated

2-3/8" tubing at 6469'  
(197 joints, packer at 4085', SN @ 6469'  
and notched collar at 6470')

5.5" Model R Packer @ 4085'

DV Tool at 4127'  
2nd Stage: Cement with 730 sxs  
Circulated 127 bbls to surface.

TOC @ 5100' (CBL 2003)

Hole in casing from 6556' - to 6565'

3 separate fish in hole to 6566';  
Numerous attempts to fish failed.  
(2003)

Ismay Perforations:  
7716' - 7854'

Desert Creek Perforations:  
7897' - 8003'

Upper Barker Creek Perforations:  
8203' - 8241'

Lower Barker Creek Perforations:  
8288' - 8406'

Alkali Gulch Perforations:  
8540' - 8544'

5.5", 17#, K-55 Casing set @ 8729'  
1st Stage: Cement with 770 sxs

TD 8678'  
PBT 8731'

# Ute Indian A #36

## Proposed P&A

Barker Dome Paradox / Akah/Desert Creek/Ismay

932' FSL, 845' FEL, Section 27, T-32-N, R-14-W

San Juan County, NM, API #30-045-31604

Today's Date: 4/29/14

Spud: 4/28/03

Paradox Completed: 8/15/03

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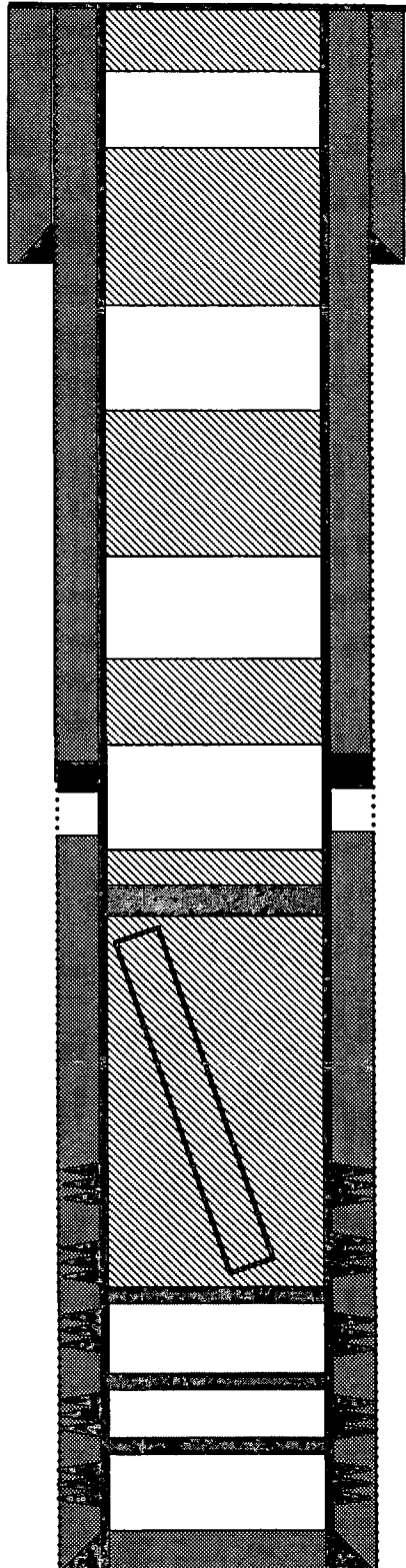
Paradox @ 7691'

Existing CIBP @ 8180'

Existing CIBP @ 8270'

Existing CIBP @ 8480'

7-7/8" hole



Cement circulated to surface during completion (1981)

**Plug #5: 100' – 0'**  
Class B cement, 15 sxs

8.625" 24#, K-55 Casing set @ 850'  
Cement with 360 sxs, circulated

**Plug #4: 900' – 535'**  
Class B cement, 47 sxs

**Plug #3: 2590' – 2234'**  
Class B cement, 46 sxs

**Plug #2: 4071' – 4171'**  
Class B cement, 17 sxs

DV Tool at 4127'  
2nd Stage: Cement with 730 sxs  
Circulated 127 bbls to surface.

TOC @ 5100' (CBL 2003)

Set CR @ 6400'

Hole in casing from 6556' – to 6565'

**Plug #1: 8180' – 6350'**  
Class B cement, 328 sxs  
300 sxs below  
and 28 sxs above

3 separate fish in hole to 6566';  
Numerous attempts to fish failed.  
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Ismay Perforations:  
7716' – 7854'

Desert Creek Perforations:  
7897' – 8003'

Upper Barker Creek Perforations:  
8203' – 8241'

Lower Barker Creek Perforations:  
8288' – 8406'

Alkali Gulch Perforations:  
8540' – 8544'

5.5", 17#, K-55 Casing set @ 8729'  
1st Stage: Cement with 770 sxs

TD 8678'  
PBTD 8731'

**XTO Energy, Inc.**  
**Tribal Lease: 14-20-604-62**  
**Well: Ute Indians A #36**  
**Location: 932' FSL & 845' FEL**  
**Sec. 27, T. 32 N., R. 14W.**  
**San Juan County, NM**

**Conditions of Approval - Notice of Intent to Abandon:**

1. Notify this office at least **72 hours** prior to commencing plugging operations.

**For Notification, Operators must talk to BLM personnel directly. Do not leave messages on answering machines. Contact Dan Rabinowitz, BLM Petroleum Engineer: office: 970-385-1363, or Rod Brashear: office: 970-385-1347, or cell: 970-799-1244.**

2. Approval of this Notice of Intent to Abandon (NIA) is for down hole plugging only.
3. Materials used will be accurately measured.
4. A tank or approved pit must be used for containment of any fluids from the wellbore during plugging operations. All unattended pits are to be fenced.
5. Pits are not to be used for disposal of any unauthorized materials.
6. All cement plugs are to be placed through a work string. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

**6a). Cement plugs placed to fill an open hole shall have sufficient volume to fill a minimum of 100 ft. of open hole, plus 10% excess volume per 1000 ft. of depth. Onshore Order #2.III.G.2.**

**6b). Cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100 ft. of the casing or annular void(s) between casings, plus 10% excess volume per 1000 ft. of depth. Onshore Order #2.III.G.2.ii.**

**6c). Surface plugs must be a minimum of 50 ft. within casing and annular voids. Onshore Order #2.III.G.6.**

**6d). Add an additional 100 ft. plug (both inside and outside the casing) at approximately 4613 ft. This will break up a long run that has no cement inside and outside the production casing.**

**6e. Tag Balanced plug #4.**

Continued on Page 2.

7. The well must be filled with a wellbore mud sufficient to stabilize the wellbore. In the absence of any formation pressure data provided by the operator, this mud will have a minimum weight of **9 ppg**. The mud must be left between all plugs.

8. A blowout preventer and related equipment shall be installed and tested prior to working in a wellbore with any exposed zones (a) that are overpressured, (b) where pressures are unknown, or (c) known to contain H<sub>2</sub>S.

9. Within 30 days after plugging of the well, file 5 copies of a Subsequent Report of Abandonment (SRA) via Sundry Notice. This report should include the following information:

- a. Date(s) of plugging operations.
- b. Procedure used to plug the well.
- c. Depth of plugs.
- d. Type and volume of plugs set.
- e. Casing types/lengths left in the well.

### **Surface Use Directions:**

**This approval is for the completion of the downhole plugging only. Surface reclamation must be completed, weed free vegetation established, and site accepted by the BIA prior to closure and bond release.**

### **NOTIFICATION:**

- **The BLM Colorado Minerals Division – Physical Scientist/Natural Resources Specialist (970) 385-1242 shall be notified 5 days prior to the onset of pad/road surface reclamation activity.**
- **The BLM Colorado Minerals Division – Physical Scientist/Natural Resources Specialist (970) 385-1242 shall be notified at least 48 hours prior to commencement of final surface reclamation activities.**

### **REQUIREMENTS AT ALL SITES:**

- 1. All tanks on-pad, used in plugging or reclamation activities will employ the use of earthen berms or another appropriate form of secondary containment, capable of holding a minimum of 110% of the contained tank volume(s).**
- 2. Any cement wash or other fluids shall be placed in a self-contained tank, surrounded by containment dike of 110% of contained volumes for storage and removed for disposal at an approved location off-site.**



3. **Any free liquid accumulating should be vacuumed off to insure a minimum of 2ft. of freeboard on all tanks consistently and removed to an approved facility with receipts for chain of custody submitted to BLM –Minerals Division.**
4. **All stormwater mitigations will be in accordance with BLM gold book BMP standards and practices.**

According to the regulations in 43 CFR 3162.3-4, a well site is to be reclaimed and re-vegetated directly following plugging. Onshore Orders #1 stipulates that **surface reclamation** be completed within 180 days of final plugging operation completion. Once notified of plugging, a field inspection will be arranged between the Operator, UMU Tribe, the BLM and the respective BIA agency, so that the well pad can be inspected for reclamation requirements and BLM approval, before release from bond liability.