

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**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.*

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well ☐ Oil Well ☒ Gas Well Other

2. Name of Operator  
CONOCO INC

3a. Address P. O. BOX 2197, DU 3066  
HOUSTON, TX 77252-2197

3b. Phone No. (include area code)  
281.293.1613

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

990FWL 1650FSL

L-14-26N-3W

5. Lease Serial No.  
CONT 98

6. If Indian, Allottee or Tribe Name  
JICARILLA

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

8. Well Name and No.  
APACHE 4

9. API Well No.  
3003920243

10. Field and Pool, or Exploratory Area  
BASIN DAKOTA/ WILDHORSE GALLUP

11. County or Parish, and State  
RIO ARRIBA 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 recomplate 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 files 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 site is ready for final inspection.)

Conoco proposes to Plug and Abandon this well as per attached procedure.

Electronic Submission #1769 verified by the BLM Well Information System for CONOCO INC Sent to the Rio Puerco Field Office  
Committed to AFMSS for processing by Angie Medina-Jones on 11/07/2000

Name (Printed/Typed) YOLANDA PEREZ

Title COORDINATOR

Signature

Date 10/19/2000

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

Approved By

Lands and Mineral Resources

Date 11/16/00

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

# Jicarilla Apache #4

Current

Wildhorse Gallup

SW, Section 19, T-26-N, R-03-W, Rio Arriba County, NM

Long N 36° 28.2' / Lat: 107° 11.5'

Today's Date: 10/16/00

Spud: 7/16/69

Completed: 10/8/69

Elevation: 7192' GI

12-1/4" hole

8-5/8" 24#, J-55 Csg set @ 248'  
Cmt w/175 sxs (Circulated to Surface)

## Well History

**May '95: T&A Dakota.** Pull both strings of 11/4" tubing; set 5-1/2" CIBP at 7756', then spot 10 sxs cement above; set packer at 7546' with 2-3/8" tubing.

Nacimiento @ 1330'

TOC Unknown

Ojo Alamo @ 3490'

2-3/8" Tubing set at 7546'  
(with Baker Packer at 7546')

Kirtland @ 3545'

Fruitland @ 3630'

Pictured Cliffs @ 3858'

DV Tool @ 3954'

Cmt with 325 sxs (900 cf), No mud returns.

Mesaverde @ 5505'

TOC Unknown

DV Tool @ 6145'

Cmt with 225 sxs (600 cf), No mud returns.

Gallup @ 6735'

TO C @ 6330' (Calc, 75%)

5-1/2" Baker Packer @ 7546'

Gallup Perforations: 7544' - 7550'

Dakota @ 8117'

**CIBP @ 7756', Capped with 10 sxs, (May '95)  
Model D packer at 7960'**

Dakota Perforations:  
8020' - 8201'

7-7/8" hole

5-1/2" 14, 15.5&17#, J-55 Casing set @ 8278'  
Cemented with 325 sxs (450 cf)  
1/3 Mud returns while cementing

TD 8280'

# Jicarilla Apache #4

## Proposed P & A

Wildhorse Gallup

SW, Section 19, T-26-N, R-03-W, Rio Arriba County, NM

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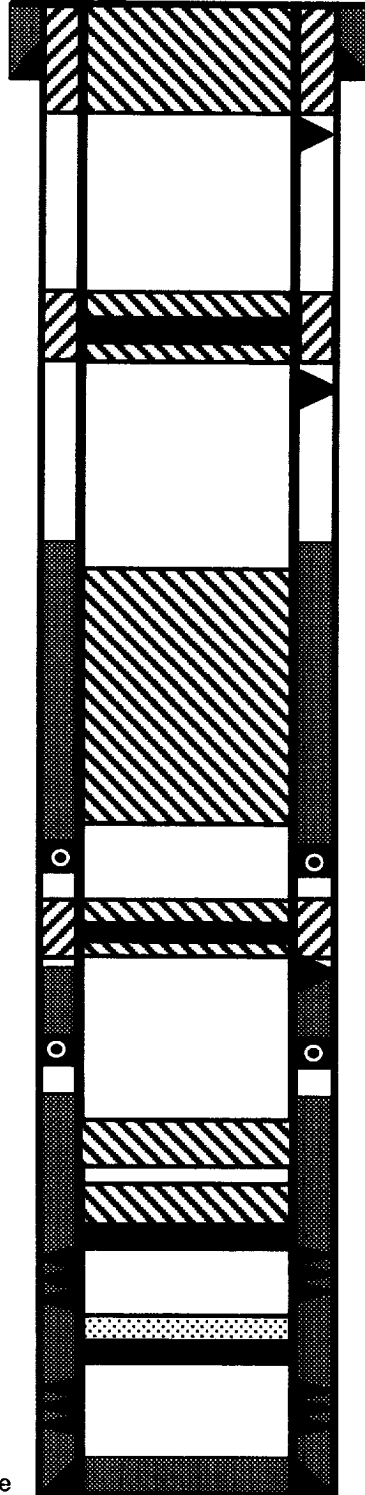
Pictured Cliffs @ 3858'

Mesaverde @ 5505'

Gallup @ 6735'

Dakota @ 8117'

7-7/8" hole



TD 8280'

8-5/8" 24#, J-55 Csg set @ 248'  
Cmt w/175 sxs (Circulated to Surface)

**Perforate @ 298'**

**Plug #6** 298' - Surf ✓  
Cmt with 90 sxs Class B

**Cmt Retainer @ 1330'**

**Perforate @ 1380'**

**Plug #5** 1380' - 1280' ✓  
Cmt with 47 sxs Class B,  
30 sxs outside casing  
and 17 sxs inside.

TOC Unknown

**Plug #4** 3908' - 3440' ✓  
Cmt with 60 sxs Class B

DV Tool @ 3954'  
Cmt with 325 sxs (900 cf), No mud returns.

**Cmt Retainer @ 5505'**

**Perforate @ 5555'**

TOC Unknown ✓  
DV Tool @ 6145'  
Cmt with 225 sxs (600 cf), No mud returns.

TO C @ 6330' (Calc, 75%)

**Plug #2** 6785' - 6685' ✓  
Cmt with 17 sxs Class B

**Set CIBP @ 7500'**

**Plug #1** 7500' - 7400' ✓  
Cmt with 17 sxs Class B

Gallup Perforations: 7544' - 7550'

**CIBP @ 7756', Capped with 10 sxs, (May '95)**  
**Model D packer at 7960'**

Dakota Perforations:  
8020' - 8201'

5-1/2" 14, 15.5&17#, J-55 Casing set @ 8278'  
Cemented with 325 sxs (450 cf)  
1/3 Mud returns while cementing

## PLUG AND ABANDONMENT PROCEDURE

10/16/00

### **Jicarilla Apache #4**

Wildhorse Gallup  
1650' FSL and 990' FWL, Section 19, T26N, R3W  
Rio Arriba County, New Mexico  
Long N 36° 28.2' / Lat W 107° 11.5'

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test rig anchors. Prepare blow pit. Comply to all NMOCD, BLM and Conoco safety rules and regulations. Conduct JSA meeting for all personnel on location. MOL and RU daylight pulling unit. NU relief line and blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.
2. Release Baker packer at 7546'. TOH with 2-3/8" tubing and LD packer. workstring
3. **Plug #1 (Gallup perforations, 7500' – 7400')**: Set a wireline 5-1/2" CIBP or cement retainer at 7500'. TIH with open-ended tubing and tag. Load casing with water and circulate clean. Pressure test casing to 500#. If casing does not test, spot or tag subsequent plugs as appropriate. Mix 17 sxs Class B cement and spot a plug inside the casing above the CIBP to isolate the Gallup perforations. PUH to 6740'.
4. **Plug #2 (Gallup top, 6785' – 6685')**: Mix 17 sxs Class B cement and spot balanced plug inside casing to cover Gallup top. TOH with tubing.
5. **Plug #3 (Mesaverde, 5555'- 5455')**: Perforate 3 HSC squeeze holes at 5555'. If casing tests, then establish a rate into squeeze holes. Set a 5-1/2" cement retainer at 5505'. Pressure test the tubing to 1000#. Mix 47 sxs Class B cement, squeeze 30 sxs outside the casing and leave 17 sxs inside casing to cover Mesaverde top. PUH to 3908'.
6. **Plug #4 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3908' – 3440')**: Mix 60 sxs Class B cement and spot balanced plug inside casing to cover through Ojo Alamo top. TOH.
7. **Plug #5 (Nacimiento top, 1380' – 1280')**: Perforate 3 HSC squeeze holes at 1380'. If casing tests, then establish a rate into squeeze holes. Set a 5-1/2" cement retainer at 1330'. Mix 47 sxs Class B cement, squeeze 30 sxs outside the casing and leave 17 sxs inside casing to cover over Nacimiento top. TOH and LD tubing.
8. **Plug #6 (8-5/8" Surface casing, 298' to Surface)**: Perforate 3 HSC holes at 298'. Establish circulation out bradenhead. Mix approximately 90 sxs cement and pump down the 5-1/2" casing, circulate good cement to surface.
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.

## BLM CONDITIONS OF APPROVAL

The following surface rehabilitation Conditions of Approval must be complied with as applicable, before this well can be approved for final abandonment (see 43 CFR 3162.3-4). Surface rehabilitation work shall be completed within one year of the actual plugging date. Notification for completion of this work can be submitted with a Sundry Notice. Questions? Call Pat Hester at (505) 761-8786.

1. All fences, production equipment, purchaser's equipment, concrete slabs, deadman (anchors), flowlines, risers, debris and trash must be removed from the location. Non-retrieved flowlines and pipelines will be abandoned in accordance with State Rule 714. Information supporting the non-retrieval will be included in the subsequent report or final abandonment Sundry Notice.

2. Production pits will be closed according to the Unlined Surface Impoundment Closure Guidelines, as approved in the Environmental Assessment of December 1993. Any oil stained soils can be remediated on-site according to these guidelines or disposed of in an approved facility.

3. The well pad will be shaped to the natural terrain and left as rough as possible. All compacted areas and areas devoid of vegetation shall be ripped to a minimum of 12" in depth before reseeding.

4. Access roads will be shaped to conform to the natural terrain and left as rough as possible to deter vehicle travel. Access will be ripped to a minimum of 12" in depth, water barred and reseeded. All erosion problems created by the development must be corrected prior to acceptance of release. Water bars should be spaced as shown below along the fall line of the slope:

% Slope	Spacing Interval
Less than 20%	200'
2 to 5 %	150'
6 to 9 %	100'
10 to 15 %	50'
Greater than 15%	30'

5. All disturbed areas will be seeded with the prescribed certified seed mix (reseeding may be required). Seed mix must be certified weed free to avoid the introduction of noxious weeds. Refer to the original APD for seed mix.

6. Notify Surface Managing Agency seven (7) days prior to seeding so that they may be present to witness.

7. The period of liability under the bond of record will not be terminated until the well is inspected and the surface rehabilitation approved.

Other Surface Managing Agencies (SMA's) may vary slightly in their restoration requirements. It is your responsibility, as the operator, to obtain surface restoration requirements from other SMA's. We need to be provided with a copy of these requirements. Any problems concerning stipulations received from other SMA's should be brought to us.

On private land, a letter from the fee owner stating that the surface restoration is satisfactory will be provided to the office. Questions? Call Pat Hester at (505) 761-8786.