

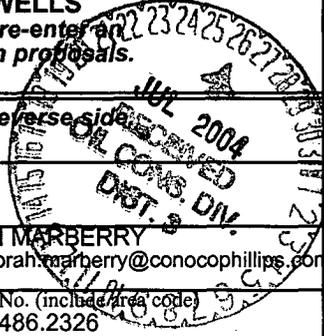
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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. JICARILLA 28 16	
2. Name of Operator CONOCOPHILLIPS CO.		9. API Well No. 30-039-21590	
3a. Address P.O. BOX 2197 WL3 6108 HOUSTON, TX 77252		10. Field and Pool, or Exploratory LINDRITH GALLUP DK WEST	
3b. Phone No. (include area code) Ph: 832.486.2326 Fx: 832.486.2764		11. County or Parish, and State RIO ARRIBA COUNTY, NM	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 34 T25N R4W SWNE 1650FNL 1650FEL			



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 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 site is ready for final inspection.)

ConocoPhillips requests approval to enter this well to try and free stuck tubing. If tubing can be recovered we plan to evaluate casing and possibly squeeze for a future recomplate and TA the well. If tubing cannot be recovered we will plug and abandon as per the attached P&A procedure. Also attached is a squeeze procedure, current wellbore schematic and proposed plugged wellbore schematic.

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

**Electronic Submission #32802 verified by the BLM Well Information System  
For CONOCOPHILLIPS CO., sent to the Rio Puerco  
Committed to AFMSS for processing by ANGIE MEDINA-JONES on 07/13/2004 ()**

Name (Printed/Typed) DEBORAH MARBERRY	Title SUBMITTING CONTACT
Signature (Electronic Submission)	Date 07/07/2004

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

Approved By	Division of Multi-Resources	JUL 2 2004
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	

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.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

## CASING EVALUATION PROCEDURE

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July 1, 2004

### Jicarilla 28 #16

West Lindrith Dakota / Gallup  
1650' FNL and 1650' FEL, Section 34, T25N, R4W  
Rio Arriba County, New Mexico, API 30-039-21590  
Lat: N 36° 21' 32.544" Long: W 107° 14' 9.24"

**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 ASTM Type III, mixed at 14.5 ppg with a 1.39 cf/sx yield.**

**Well Status:** January 2003, tubing found to be stuck. Free point results: 20% stuck at 2500', 60% stuck at 2750' and 80% stuck at 4000'.

**Workover Objective:** To determine if all or most of the tubing can be recovered. If below 3500' the tubing can not be recovered, then the lower part of the well would be P&A'ed and the upper part TA for possible completion in the Pictured Cliffs zone.

#### Casing Evaluation:

1. Install and test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and ConocoPhillips safety rules and regulations. Conduct safety 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. Record tubing, casing and BH pressures. Blow down BH and observe casing, blow down casing and observe tubing. Pump down tubing and determine if tubing is competent. RIH with wireline gauge ring to 7721' or as deep as possible. Pump down the tubing and attempt to work the tubing free. Attempt to determine if tubing is stuck in fill or collapsed casing.
3. If **able** to work tubing free, then TOH and inspect. PU and run a 5-1/2" casing scraper to 7612' or as deep as possible. Note: Casing may be collapsed or in poor condition, be careful when TIH with the casing scraper if the tubing is pulled from the well. If able, set a CIBP as deep as possible and then pressure test the casing to 800#. If the casing holds then Temporary Abandon the well. Load the casing with water based corrosion inhibitor. TOH and LD tubing
4. If the tubing is free and a CIBP is set as deep as possible, but the casing does not pressure test: Then PU a packer and isolate the casing failure. Consult with the ConocoPhillips engineer to determine if to repair the casing or plug back the well to the PC.
5. If **unable** to pull any of the tubing from this well and the deeper casing is in poor condition, then attempt to establish circulation to surface with water. If the lower part of the tubing is not free, then plug this lower part of this well with cement plugs squeezed through the tubing cut(s) at the appropriate depth(s) to cover formations tops as necessary per the steps listed below in the P&A Procedure. At whatever depth the tubing is removed from this well, then set a CIBP above the tubing stub and pressure test the casing above for the well to be possibly TA'ed.

**Jicarilla 28 #16**  
West Lindrith Dakota / Gallup

**Plug Back Procedure:**

6. If some of the tubing is recovered (all above 3600') then P&A the lower part of this well per the P&A procedure steps to plug the Dakota, Gallup and Mesaverde zones. Then set a 5-1/2" CIBP at 3600' and pressure test the casing to 800#. Record on paper chart and call the BLM to witness. Load the casing with inhibited fluid and then TOH and LD the tubing.

**PLUG & ABANDONMENT PROCEDURE:**

7. **Plug #1 (Dakota perforations, 7828' – 7562')**: If the tubing is competent and able to pump water into the perforations or circulate to surface but not free, then mix and displace cement down the tubing. Cement volume will be from 30 to 60 sxs Type III (no excess to 100% excess), depending on the displacement rate and injection pressure when pumping the plug to avoid a pressure "lockup", leaving the TOC high in the tubing. Suggested volume pressure guide: pump 60 sxs if pressure is less than 500#, 45 sxs if pressure is 500# to 1000# and 30 sxs if pressure is greater than 1000#. Displace cement to 7400' and shut in tubing at surface. WOC and tag cement with wireline. If unable to get a flow or blow out the casing when pumping down the tubing, then perforate the tubing at 7612' to spot a cement above the Dakota perforations from 7612' to 7400' inside and outside the tubing.  
*6687 6400 -*
8. **Plug #2 (Gallup perforations, ~~6737~~ – 6968')**: Jet cut tubing at 6787' (at top Gallup perforations). Work tubing and attempt to pull free. If unable to pull tubing, then pump 50 bbls water down the tubing. Cement volume will be from 30 to 60 sxs Type III (no excess to 100% excess), depending on the displacement rate and injection pressure when pumping the plug to avoid a pressure "lockup", leaving the TOC high in the tubing. Suggested volume pressure guide: pump 60 sxs if pressure is less than 500#, 45 sxs if pressure is 500# to 1000# and 30 sxs if pressure is greater than 1000#. Displace cement to 6500' and shut in. WOC and tag cement with wireline.  
*5040 - 4940*
9. **Plug #3 (Mesaverde top, ~~5140~~ – 5040')**: Jet cut tubing at 5140'. Work the tubing and attempt to pull free. If unable to pull tubing, then establish circulation to surface with water. Mix and spot 15 sxs Type III cement down tubing to cover Mesaverde top inside the casing, displace to 5000'. WOC and tag cement with wireline.  
*4455 4360 - 4260*
10. **Plug #4 (Chacra top, ~~4405~~ – 4305')**: Jet cut tubing at 4405'. PU on tubing and attempt to pull free. If unable to pull tubing, then establish circulation to surface with water. Mix and spot 15 sxs Type III cement down tubing to cover the Chacra top, displace to 4200'. WOC and tag cement with wireline.

## PLUG AND ABANDONMENT PROCEDURE

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July 1, 2004

### Jicarilla 28 #16

11. **Plug #5 (2-3/8" tubing stub and Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3480' - 2856')**: Jet cut the tubing at 3480'. PU on tubing and attempt to pull free. If the tubing is free then TOH and visually inspect, if necessary use a workstring to finish the job. If unable to pull tubing, then establish circulation to surface with water. Pressure test casing to 500#. If casing does not test, then spot or tag subsequent plus as appropriate. Mix and spot 65 sxs Type III cement inside casing to cover the tubing stub and the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops. WOC and tag cement if casing did not test. PUH to 1531'.
12. **Plug #6 (Nacimiento top, 1531' - 1431')**: Mix and spot 15 sxs Type III cement inside casing to cover Nacimiento top. PUH to 1050'.
13. **Plug #7 (8-5/8" casing shoe, 1050' - 950')**: Mix and spot 15 sxs Type III cement inside casing to cover 8-5/8" casing shoe. TOH and LD tubing.
14. **Plug #8 (Surface)**: Pressure test the bradenhead annulus to 300#. Note the volume of fluid necessary to fill the BH annulus. If the BH annulus tests, then perforate 2 squeeze holes at 50' or the appropriate deeper depth calculated from the BH annulus fill volume. Establish circulation to surface out bradenhead with water. Pump approximately 25 sxs cement down the 5-1/2" casing to circulate good cement out the bradenhead valve. Shut well in and WOC.
15. ND BOP and cut off wellhead below surface. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

# Jicarilla 28 #16

## Current

West Lindrith Dakota / Gallup

1650' FNL & 1650' FEL, Section 34, T-25-N, R-4-W, Rio Arriba County, NM

Lat: N 36° 21' 32.54" / Long: W 107° 14' 9.24" / API #30-039-21590

Today's Date: 6/14/04

Spud: 4/23/78

Completed: 7/21/78

Elevation: 7170' GL

12-1/4" hole

Nacimiento est. @ 1481'

Ojo Alamo est. @ 2906'

Kirtland est. @ 3076'

Fruitland est. @ 3232'

Pictured Cliffs @ 3430'

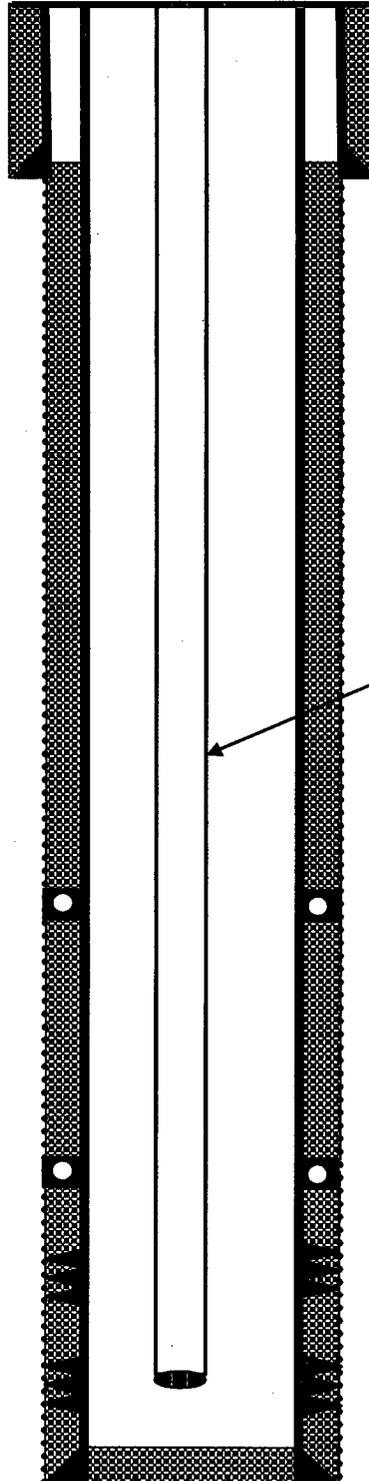
Chacra @ 4305'

Mesaverde @ 5090'

Gallup @ 6742'

Dakota @ 7610'

7-7/8" hole



TD 8042'  
PBD 7861'

8-5/8" 24#, K-55 Csg set @ 1000'  
Cmt with 600 sxs (Circulated to Surface)

### Well History:

Jan '98: Clean out: Bail out fill from 7730' to 7746'.

Oct '99: Pull rods and pump. Pull tubing, found holes, change out 3 joints. Land tubing.

Jan '03: Pull rods and pump. Attempt to pull tubing, stuck. Freepoint tubing: 80% free at 2500'; 40% free at 2750'; 20% at 4000'. LD rods. Plan to P&A.

2-3/8" Tubing set at @ 7722'  
(Total 245 joints, TAC at 6698'  
with 213 joint above and 32 below)

DV Tool @ 4003'  
Cmt with 850 sxs (1402 cf),  
TOC calculates at surface, 75%;  
However, cement did not circulate.

DV Tool @ 6364'  
Cmt with 650 sxs,  
Circulate 120 sxs to surface.

Gallup Perforations:  
6787' - 6968'

Dakota Perforations:  
7612' - 7828'

5-1/2" 15.5& 17#, K-55 Casing set @ 8042'  
Cement with 600 sxs,  
Circulate 150 sxs to surface.

## **SQUEEZE PROCEDURE**

### **Jicarilla 28 #16**

West Lindrith Dakota / Gallup  
1650' FNL and 1650' FEL, Section 34, T25N, R4W  
Rio Arriba County, New Mexico, API 30-039-21590  
Lat: N 36° 21' 32.544" Long: W 107° 14' 9.24"

### **PROCEDURE:**

1. RIH with CIBP and set at depth decided by COPC engineer. Dump two sacks of sand on top of plug.
2. RIH with retrievable packer set at depth to be decided by COPC engineer.
3. Squeeze per Service company recommendation and shut-in with 500 psi on the tubing.
4. POOH with tubing and retrievable packer.
5. PU drill-collars and drill-out cement.
6. Pressure test casing to 800#. (If needed run an isolation tool for test)
7. If well tests then T&A for future recomplete. If the pressure-test fails, then return to P&A procedure.

# Jicarilla 28 #16

## Current

West Lindrith Dakota / Gallup

1650' FNL & 1650' FEL, Section 34, T-25-N, R-4-W, Rio Arriba County, NM

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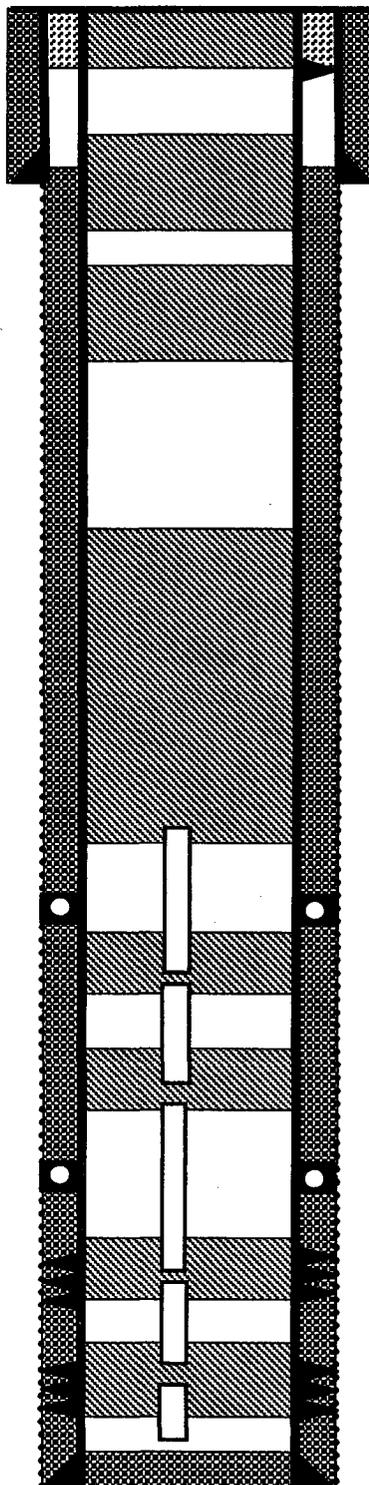
Chacra @ 4305'

Mesaverde @ 5090'

Gallup @ 6742'

Dakota @ 7610'

7-7/8" hole



TD 8042'  
 PBTD 7861'

Plug #8: 50' - Surface  
 Type III cement, 25+ sxs

Perforate @ 50' or deeper

8-5/8" 24#, K-55 Csg set @ 1000'  
 Cmt with 600 sxs (Circulated to Surface)

Plug #7: 1050' - 950'  
 Type III cement, 15 sxs

Plug #6: 1531' - 1431'  
 Type III cement, 15 sxs

Plug #5: 3480' - 2856'  
 Type III cement, 65 sxs

DV Tool @ 4003'  
 Cmt with 850 sxs (1402 cf),  
 TOC calculates at surface, 75%;  
 However, cement did not circulate.

Plug #4: 4405' - 4305'  
 Type III cement, 15 sxs

Plug #3: 5140' - 5040'  
 Type III cement, 15 sxs

DV Tool @ 6364'  
 Cmt with 650 sxs,  
 Circulate 120 sxs to surface.

Gallup Perforations:  
 6787' - 6968'  
 Plug #2: 6968' - 6737'  
 Type III cement,  
 with 30 to 60 sxs

Dakota Perforations:  
 7612' - 7828'  
 Plug #1: 7828' - 7562'  
 Type III cement,  
 with 30 to 60 sxs

5-1/2" 15.5 & 17#, K-55 Casing set @ 8042'  
 Cement with 600 sxs,  
 Circulate 150 sxs to surface.

CONDITIONS OF APPROVAL FOR PERMANENT ABANDONMENT

Operator ConocoPhillips Company

Well Name Jicarilla 28 16

1. Plugging operations authorized are subject to the "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. For wells on Federal leases, Alfonso Atencio with the Cuba Field Office is to be notified at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 289-3748. Office hours are 7:45 a.m. to 4:30 p.m.

For wells on Jicarilla leases notify Bryce Hammond with the Jicarilla Apache Tribe at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 759-1783.

3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made :

Plug #6: The Nacimiento top is estimated at 2240 feet. This plug must be placed from 2290' to 2190'.

Plug #5: The Ojo Alamo top is estimated at 2700 feet. This plug must be placed from 2750' to 2650'.