

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. LINDRITH B UNIT 3
2. Name of Operator CONOCOPHILLIPS CO.		9. API Well No. 30-039-22278
3a. Address P O BOX 2197 WL3 6108 HOUSTON, TX 77252	3b. Phone No. (include area code) Ph: 832-486-2326	10. Field and Pool, or Exploratory LINDRITH GALLUP DK WEST
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 21 T24N R3W SWSW 790FSL 1065FWL		11. County or Parish, and State RIO ARRIBA 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 checked="" 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.)

ConocoPhillips proposes to plug and abandon this well as per the attached procedure. Also attached is a proposed and current wellbore schematic.



14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #54423 verified by the BLM Well Information System For CONOCOPHILLIPS CO., sent to the Farmington</b>	
Name (Printed/Typed) DEBORAH MARBERRY	Title SUBMITTING CONTACT
Signature (Electronic Submission)	Date 02/23/2005

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

Approved By	Title PE	Date MAR 16 2005
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 FDO

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 \*\***

**NMOCD**

## PLUG AND ABANDONMENT PROCEDURE

February 23, 2005

### Lindrith B Unit #3

Chacon Dakota Associated

SW, Section 21, T24N, R3W, Rio Arriba County, New Mexico

API 30-039-22278 / Lat: 36° 17' 26.6" N / Long: 107° 10.0' 0.1" 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 ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield (except plug #1 will be Class B due to high temperature).

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. TOH and tally 2.375" tubing and visually inspect. If necessary LD tubing and PU workstring. Round-trip 4.5" wireline gauge ring or casing scraper to 7131'.
3. **Plug #1 (Dakota perforations, 7131' – 7031')**: TIH and set 4.5" cement at 7131'. Pressure test tubing to 1000#. Load casing with water and circulate well clean. Pressure test casing to 800#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 11 sxs Class B cement and set a balanced plug above retainer to cover the Dakota perforations. PUH to 6265'.  
6006 5906
4. **Plug #2 (Gallup top, 6265' – 6165')**: Mix 11 sxs Type III cement and spot balanced plug inside casing to cover the Gallup top. TOH with tubing.
5. **Plug #3 (Mesaverde top, 4678' – 4578')**: Perforate 3 squeeze holes at 4678'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set a 4.5" cement retainer at 4628'. Establish injection rate below cement retainer. Mix and pump 46 sxs Type III cement, squeeze 35 sxs outside the 4.5" casing and leave 11 sxs inside casing to cover the Mesaverde top. TOH.
6. **Plug #4 (Pictured Cliffs, Fruitland, Kirtland, Ojo Alamo tops, 3040' – 2475')**: Perforate 3 squeeze holes through the 4.5" casing at 3040'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 4.5" cement retainer at 2990'. Establish rate into the 4.5" X 8.625" annulus. Mix and pump 158 sxs cement, squeeze 116 sxs outside the 4.5" casing and leave 42 sxs inside the casing. TOH with tubing.
7. **Plug #5 (Nacimiento top, 1275' – 1175')**: Perforate 3 squeeze holes through the 4.5" casing at 1275'. Attempt to establish rate into squeeze holes if the casing pressure tested. TIH with tubing to 1275'. Mix and spot 39 sxs cement in the 4.5" casing; PU to 500' and squeeze 28 sxs outside the 4.5" casing and leave 11 sxs inside the casing. If the casing did not test before perforating, then use a 4.5" cement retainer at 1225' to set plug. TOH with tubing.  
89 89
8. **Plug #6 (8-5/8" casing shoe, 363' – Surface)**: Perforate 3 squeeze holes through the 4.5" and 8.625" casings at 363'. Attempt to establish circulation to surface out the intermediate and bradenhead valves. Mix approximately 240 sxs cement and pump down 4.5" casing to circulate good cement out 4.5" X 8.625" annulus and the bradenhead. 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.

# Lindrith B Unit #3

## Current

Chacon Dakota Associated  
790' FSL & 1065' FWL, Section 21, T-24-N, R-3-W  
Rio Arriba County, NM / API #30-039-22278  
Lat: N 36° 17.26' / Long: W 107° 10.0'

Today's Date: 2/23/05  
Spud: 3/20/80  
Comp: 5/14/80  
Elevation: 6927' GL  
6940' KB

17-1/2" Hole

13.375" 48#, H-40 Casing set @ 313'  
Cement with 350 sxs, circulated to surface.

Top of Cmt @ 900' (Calc, 75%)

Nacimiento @ 1225'

### Well History

Jan '95: Change out tubing; land at 7367'.

Mar '00: Slick line: Recover spring at 7283',  
no scale. RIH with 1.65 gauge ring and tag  
at 7456', drop plunger back in well, left  
spring out.

Ojo Alamo @ 2525'

Kirtland @ 2720'

Fruitland @ 2780'

Pictured Cliffs @ 2990'

2.375" Tubing set at 7367'  
(?? Joints, EUE with seating nipple)

11" Hole

8.625" 32&24#, K-55 Casing @ 3905'  
Cemented with 675 sxs (1020 cf)  
No cement to surface, did recover  
cement colored water.

Mesaverde @ 4628'

TOC @ 5200' (T.S.)'

Gallup @ 6215'

DV Tool @ 6392'  
Cemented with 400 sxs (637 cf)

Dakota @ 7180'

Dakota Perforations:  
7181' - 7397'

7-7/8" Hole

TD 7600'  
PBSD 7545'

4.5" 10.5&11.6#, K-55 Casing @ 7598'  
Cemented with 350 sxs, Circulate  
cement to surface before 2nd stage.

# Lindrith B Unit #3

## Proposed P&A

Chacon Dakota Associated

790' FSL & 1065' FWL, Section 21, T-24-N, R-3-W

Rio Arriba County, NM / API #30-039-22278

Lat: N 36° 17' 26.6" / Long: W 107° 10' 0.1"

$$\begin{aligned} 363 / 11.167 (1.32) &= 25 \text{ sxs} \\ 363 / 4.046 (1.32) &= 68 \text{ sxs} \\ 50 / 3.9337 (1.32) &= 10 \text{ sxs} \\ 313 / 2.101 (1.32) &= 113 \text{ sxs} \\ &= 216 \text{ sxs} \end{aligned}$$

Today's Date: 2/23/05

Spud: 3/20/80

Comp: 5/14/80

Elevation: 6927' GL  
6940' KB

17-1/2" Hole

Nacimiento @ 1225'  
39

Ojo Alamo @ 2528'  
7

Kirtland @ 2720'  
4

Fruitland @ 2780'  
2852

Pictured Cliffs @ 2990'  
4

11" Hole

Mesaverde @ 4628'

Gallup @ 6245'  
5956

Dakota @ 7180'  
78

7-7/8" Hole

TD 7600'  
PBTD 7545'

13.375" 48#, H-40 Casing set @ 313'  
Cement with 350 sxs, circulated to surface.

Perforate @ 363'

Plug #6: 363' - Surface  
Type III cement, 240 sxs

Top of Cmt @ 900' (Calc, 75%)

Perforate @ 1275'

Plug #5: 1275' - 1178'  
Type III cement, 39 sxs:  
28 outside 4.5" casing  
and 11 sxs inside.

$$28 (4.046) 1.32 = 150'$$

Plug #4: 3040' - 2475'  
Type III cement, 158 sxs:  
116 outside casing  
and 42 inside.

Cmt Ret @ 2990'

$$\begin{aligned} 3040 - 2475 + 50 / 11.167 (1.32) &= 42 \text{ sxs} \\ (3040 - 2475) / 4.046 (1.32) &= 106 \text{ sxs} \end{aligned}$$

Perforate @ 3040'

8.625" 32&24#, K-55 Casing @ 3905'  
Cemented with 675 sxs (1020 cf)  
No cement to surface, did recover  
cement colored water.

Cmt Ret @ 4628'

Plug #3: 4678' - 4578'  
Type III cement, 46 sxs  
35 outside and 11 inside

Perforate @ 4678'

$$200 / 4.3899 (1.32) = 35 \text{ sxs}$$

TOC @ 5200' (T.S.)

Plug #2: 6265' - 6165'  
Type III cement, 11 sxs

DV Tool @ 6392'

Cemented with 400 sxs (637 cf)

Set CR @ 7131'

Plug #1: 7131' - 7031'  
Class B cement, 12 sxs

Dakota Perforations:  
7181' - 7397'

$$12 (11.167) 1.32 = 177'$$

4.5" 10.5&11.6#, K-55 Casing @ 7598'  
Cemented with 350 sxs, Circulate  
cement to surface before 2nd stage.