Form 3160-5
(August 1999)

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.

5. Lease Serial No.
NMSF078913

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.
LINDRITH B UNIT 33

2. Name of Operator
CONOCOPHILLIPS CO.

Contact: DEBORAH MARBERRY
E-Mail: deborah.marberry@conocophillips.com

9. API Well No.
30-039-23798

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 DAKOTA WE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 21 T24N R3W NESE 1815FSL 560FEL

11. County or Parish, and State
RIO ARRIBA COUNTY, NM

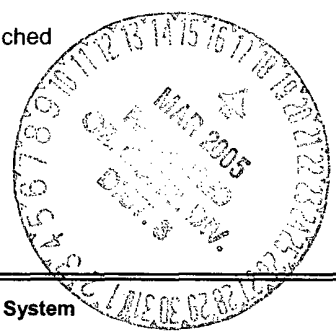
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☒ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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.)

In reference to
NMSF 078908 et al. (WC)
3162.3-2 (21110)

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



14. I hereby certify that the foregoing is true and correct.
Electronic Submission #54537 verified by the BLM Well Information System
For CONOCOPHILLIPS CO., sent to the Rio Puerco

Name *(Printed/Typed)* DEBORAH MARBERRY — Title SUBMITTING CONTACT

Signature (Electronic Submission) — Date 02/25/2005

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 24, 2005

Lindrith B Unit #33
West Lindrith – Gallup/Dakota
SE, Section 21, T24N, R3W, Rio Arriba County, New Mexico
API 30-039-23798 / Lat: 360 17' 37.0" N / Long: 107^ 9' 15.8" 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 which will be Class B due to bottom hole 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 with 249 joints 2.375" tubing and visually inspect. If necessary LD tubing and PU workstring. Round-trip 5.5" gauge ring or casing scraper to 7376', or as deep as possible.

3. **Plug #1 (Dakota perforations, 7376' – 7276'):** TIH and set 5.5" cement at 7376'. Pressure test tubing to 1000#. Load casing with water and circulate well clean. Pressure test casing to 800#. If the casing does not test, then spot or tag subsequent plugs as appropriate. Mix 17 sxs Class B cement and set a balanced plug above CR to isolate the Dakota perforations. PUH to 6050'.

6228 6128

4. **Plug #2 (Gallup top, ~~6050~~' – ~~5950~~'):** Mix 17 sxs Type II cement and spot balanced plug inside casing to cover the Gallup top. PUH to 4860'.

5. **Plug #3 (Mesaverde top, 4860' – 4760'):** Mix 15 sxs Type III cement and spot balanced plug inside casing to cover the Mesaverde top. PUH to 3350'.

6. **Plug #4 (8.625" Casing shoe and Pictured Cliffs, Fruitland, Kirtland, Ojo Alamo tops, 3350' – 2600'):** Mix 81 sxs Type III cement and spot balanced plug inside casing to cover through the Ojo Alamo top. TOH with tubing.

1496 - 1396

7. **Plug #5 (Nacimiento top, ~~1270~~' – ~~1170~~'):** Perforate 3 squeeze holes through the 5.5" and 8.625" casings at ~~1270~~ 1496'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 5.5" cement retainer at ~~1220~~'. Establish rate into squeeze holes. Mix and pump 78 sxs cement, squeeze 63 sxs outside the 8.625" casing into the 12.25" open hole annulus and leave 15 sxs inside the 5.5" casing. TOH and LD tubing.

8. **Plug #6 (13.375" casing shoe, 471' – Surface):** Perforate 3 squeeze holes through the 5.5" and 8.625" casings at 471'. Attempt to establish circulation to surface out the intermediate and bradenhead valves. Mix approximately 210 sxs cement and pump down the 5.5" casing to circulate cement to the surface out the bradenhead. If able, circulate cement out the intermediate valve also, filling the 5.5" X 8.625" annulus 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.

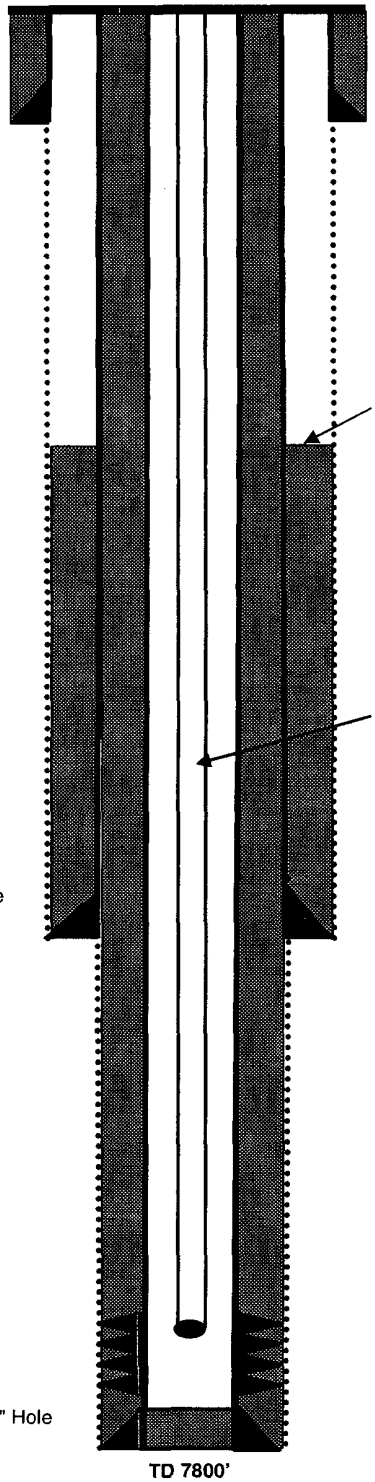
Lindrith B Unit #33
Current

West Lindrith - Gallup/Dakota

1815' FSL & 560' FEL, Section 21, T-24-N, R-3-W , Rio Arriba County, NM

Lat: N 36º 17' 37.0" / Long: W 107º 9' 15.8" / API 30-039-23798

Today's Date: **2/24/05**
Spud: 9/26/85
Comp: 12/9/85
Elevation: 7070' GL
7084' KB



Nacimiento @ 1220' *est

Ojo Alamo @ 2650' *est

Kirtland @ 2860' *est

Fruitland @ 2920' *est

Pictured Cliffs @ 3110' *est

Mesaverde @ 4810' *est

Gallup @ 6000' *est

Dakota @ 7398'

Circulated Cement to Surface

13.375" 48#, H-40 Casing set @ 421'
Cement with 527 cf, circulated to surface

Well History

Mar '00: Slick Line: Pull spring @ 7518' WLM, no scale. RI with 1.65 gauge ring and tag at 7750' WLM. Drop plunger back in well, left spring out.

Top of Cmt @ 1680' (T.S.)

2.375" Tubing set at 7530'
(249 joints, EUE)

8.625" 24#, J-55 Casing @ 3300'
Cement with 1800 sxs (2376 cf)

Dakota Perforations:
7426' – 7626'

5.5" 15.5#, K-55 Casing @ 7800'
Cemented with 2040 sxs (2479 cf),
Circulated 150 sxs to surface.

Lindrith B Unit #33

Proposed P&A

West Lindrith - Gallup/Dakota

1815' FSL & 560' FEL, Section 21, T-24-N, R-3-W , Rio Arriba County, NM

Lat: N 36º 17' 37.0" / Long: W 107º 9' 15.8" / API 30-039-23798

Today's Date: **2/24/05**
Spud: 9/26/85
Comp: 12/9/85
Elevation: 7070' GL
7084' KB

17.25" Hole

Nacimiento @ ~~1220~~' *est
1496

Ojo Alamo @ ~~2650~~' *est
2720

Kirtland @ ~~2860~~' *est
2929

Fruitland @ ~~2920~~' *est
3044

Pictured Cliffs @ 31~~10~~' *est
97

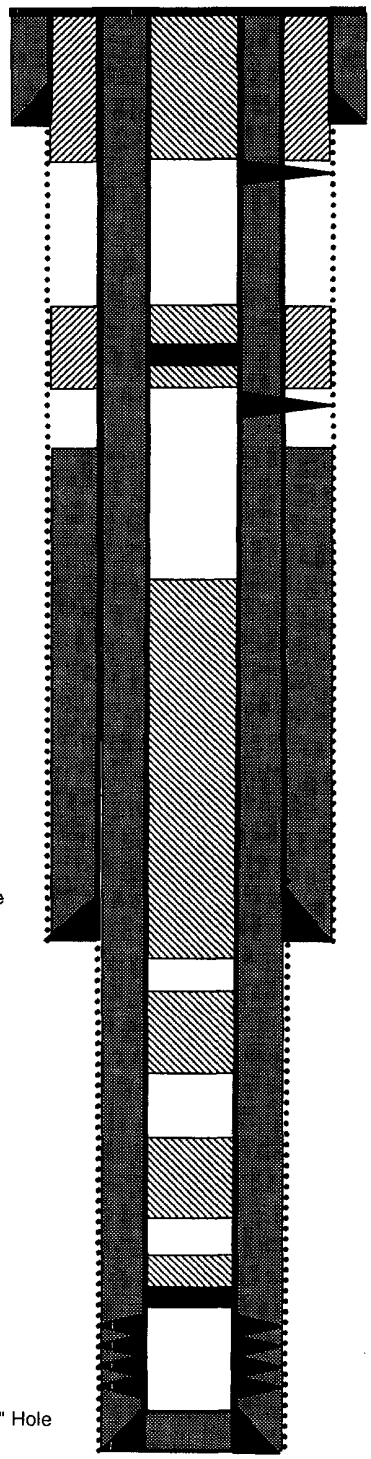
12.25" Hole

Mesaverde @ 4810' *est

Gallup @ ~~6000~~' *est
6178

Dakota @ 7398'

7.875" Hole



TD 7800'
PBTD 7775'

Circulated Cement to Surface

13.375" 48#, H-40 Casing set @ 421'
Cement with 527 cf, circulated to surface

Perforate @ 471'

Plug #6: 471' – ~~371~~' surface
Type III cement, 210 sxs
471/2.483(1.32) = 98 sxs
50/2.429(1.32) = 16 sxs
421/2.101 (1.32) = 87 sxs
201 sxs

Cmt Ret @ 1220'

1496 1396

Perforate @ 1270'

Plug #5: ~~1270~~' – ~~1170~~'
Type III cement, 78 sxs
63 sxs in 5.5" x 12.25" and
15 sxs inside 5.5" casing.

Top of Cmt @ 1680' (T.S.) 200/2.429(1.32) = 63 sxs

Plug #4: 3350' – 2600'
Type III cement, 81 sxs

3350 - 2600 / 7.483(1.32) = 76 sxs

8.625" 24#, J-55 Casing @ 3300'
Cement with 1800 sxs (2376 cf)

Plug #3: 4860' – 4760'
Type III cement, 15 sxs

6228 6128

Plug #2: ~~6050~~' – ~~5950~~'
Type III cement, 15 sxs
15(7.483).1.32 = 148'

Set Cmt Ret @ 7376'

Plug #1: 7376' – 7276'
Class B cement, 17 sxs

Dakota Perforations:
7426' – 7626'

17(7.483) 1.32 = 168'

5.5" 15.5#, K-55 Casing @ 7800'
Cemented with 2040 sxs (2479 cf),
Circulated 150 sxs to surface.