

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.  
NMSF 078913

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 28

2. Name of Operator  
CONOCO INC.

Contact: DEBORAH MARBERRY  
E-Mail: deborah.moore@usa.conoco.com

9. API Well No.  
30-039-23818

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

3b. Phone Nos. (include area code)  
Ph: 281.293.1005  
Fx: 281.293.5466

10. Field and Pool, or Exploratory  
LINDRITH GALLUP DAKOTA, WEST

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

Sec 16 T24N R3W NENW 610FNL 1880FWL

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 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.)

Conoco proposes to TA this well over the existing perms and test the casing to surface. If casing is good, Conoco requests to leave this well TA'd awaiting potential development. If the casing is bad we will continue with the full P&A. Attached are procedures for the TA & full P&A. Also attached is a proposed and current wellbore schematic.

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

**Electronic Submission #10296 verified by the BLM Well Information System  
For CONOCO INC., sent to the Rio Puerco**

Name (Printed/Typed) DEBORAH MARBERRY

Title SUBMITTING CONTACT

Signature (Electronic Submission)

Date 02/06/2002

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

/s/ Brian W. Davis

Approved By

Lands and Minerals Section  
Title

Date MAR 1 2002

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

## TEMPORARY ABANDONMENT OR PLUG AND ABANDONMENT PROCEDURE

1/28/02

### Lindrith B Unit #28

West Lindrith Gallup / Dakota  
660' FNL & 1880' FWL, (F) Section 16, T24N, R3W  
Rio Arriba County, New Mexico

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. All cement will be ASTM Type II, mixed at 15.6 ppg with a 1.18 cf/sx yield.

#### TEMPORARY ABANDONMENT:

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and Conoco safety regulations. MOL and RU daylight pulling unit. Conduct JSA meeting for all personnel on location. NU relief line. Blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. TOH and tally 261 joints 2-3/8" tubing and LD; there may be at **tubing anchor at 7252'**. Visually inspect tubing, if necessary LD tubing and PU and workstring.
3. **Plug #1 (Dakota perforations and top, 7244' – 6613')**: TIH and set a 5-1/2" cement retainer at 7244'. Pressure test tubing to 1200#. Load casing with water and circulate well clean. Pressure test casing to 800#. Mix 77 sxs cement and spot a balanced plug inside casing to isolate the Dakota perforations. PUH to 6610' and reverse circulate well clean. If casing leaked then WOC.
4. TIH with the 2-3/8" tubing and tag cement. Pressure test casing to 1000#, hold for 30 minutes. If P/T holds, TOH and LD tubing. May RU wireline company and run a CBL. ND BOP and NU wellhead. RD and MOL.

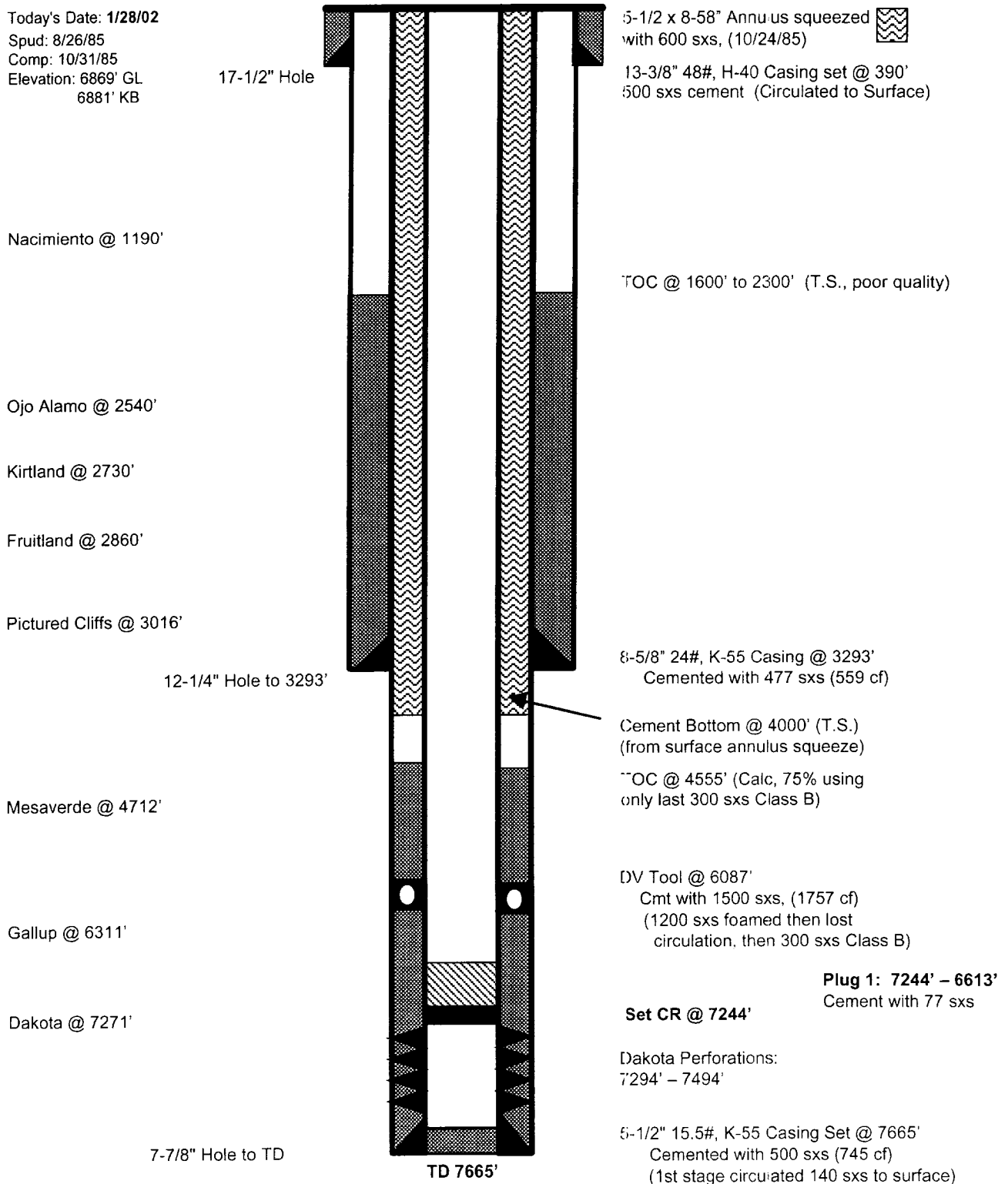
#### PERMANENT ABANDONMENT:

5. If casing does not pressure test after plug #1, then continue with well abandonment. TIH with tubing and tag cement. **Plug #2 (Gallup top, 6361' – 6261')**: Mix 18 sxs cement and spot balanced plug inside the casing to cover the Gallup top. PUH to 4362'.
6. **Plug #3 (Mesaverde top, 4762' – 4662')**: Mix 18 sxs cement and spot balanced plug inside the casing to cover the Mesaverde top. PUH to 3343'.
7. **Plug #4 (8-5/8" casing shoe, Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3343'-2490')**: Mix 102 sxs cement (in two stages) and spot balanced plug inside 5-1/2" casing to cover from casing shoe through the Ojo Alamo top. TOH with tubing.
8. **Plug #5 (Nacimiento top, 1240' – 1140')**: Perforate 3 HSC squeeze holes at 1240' through both 5-1/2" and 8-5/8" casings. If the casing tested after plug #4, then establish rate into squeeze holes. Set a 5-1/2" cement retainer at 1190'. Mix and pump 88 sxs cement, squeeze 70 sxs outside the 8-5/8" casing and leave 18 sxs inside the 5-1/2" casing to cover Nacimiento top. TOH and LD tubing.
9. **Plug #6 (10-3/4" casing shoe, 440' – Surface)**: Perforate 3 HSC squeeze holes at 440'. Establish circulation out bradenhead valve and attempt to circulate out the 5-1/2" X 8-5/8" annulus. Mix approximately 250 sxs cement and pump down the 5-1/2" casing, circulate cement to the surface. If able to circulate out the 5-1/2" x 8-5/8" annulus, then fill with cement. Shut in well and WOC. TIH and tag cement.

10. ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

**Lindrith B Unit #28**  
**Proposed Temporary Abandoned**  
 West Lindrith Gallup / Dakota  
 NW, Section 16, T-24-N, R-3-W, Rio Arriba County, NM  
 API #30-039-23818  
 Lat: N 36° 18' 56.8" / Long: W107° 9' 50.4"

Today's Date: 1/28/02  
 Spud: 8/26/85  
 Comp: 10/31/85  
 Elevation: 6869' GL  
 6881' KB



# Lindrith B Unit #28

Current

West Lindrith Gallup / Dakota

NW, Section 16, T-24-N, R-3-W, Rio Arriba County, NM

API #30-039-23818

Lat: N 36° 18' 56.8" / Long: W107° 9' 50.4"

Today's Date: 1/28/02

Spud: 8/26/85

Comp: 10/31/85

Elevation: 6869' GL  
6881' KB

17-1/2" Hole

Nacimiento @ 1190'

Ojo Alamo @ 2540'

Kirtland @ 2730'

Fruitland @ 2860'

Pictured Cliffs @ 3016'

12-1/4" Hole to 3293'

Mesaverde @ 4712'

Gallup @ 6311'

Dakota @ 7271'

7-7/8" Hole to TD

TD 7665'

5-1/2 x 8-58" Annulus squeezed  
with 600 sxs, (10/24/85)



3-3/8" 48#, H-40 Casing set @ 390'  
500 sxs cement (Circulated to Surface)

TOC @ 1600' to 2300' (T.S., poor quality)

2-3/8" Tubing at 7583'  
(261 joints, Tubing anchor @ 7248')

8-5/8" 24#, K-55 Casing @ 3293'  
Cemented with 477 sxs (559 cf)

Cement Bottom @ 4000' (T.S.)  
(from surface annulus squeeze)

TOC @ 4555' (Calc, 75% using  
only last 300 sxs Class B)

DV Tool @ 6087'  
Cmt with 1500 sxs (1757 cf)  
(1200 sxs foamed then lost  
circulation, then 300 sxs Class B)

Dakota Perforations:  
7294' - 7494'

5-1/2" 15.5#, K-55 Casing Set @ 7665'  
Cemented with 500 sxs (745 cf)  
(1st stage circulated 140 sxs to surface)

# Lindrith B Unit #28

## Proposed P&A

West Lindrith Gallup / Dakota

NW, Section 16, T-24-N, R-3-W, Rio Arriba County, NM

API #30-039-23818

Lat: N 36° 18' 56.8" / Long: W107° 9' 50.4"

Today's Date: 1/28/02

Spud: 8/26/85

Comp: 10/31/85

Elevation: 6869' GL

6881' KB

17-1/2" Hole

Nacimiento @ 1190'

Ojo Alamo @ 2540'

Kirtland @ 2730'

Fruitland @ 2860'

Pictured Cliffs @ 3016'

12-1/4" Hole to 3293'

Mesaverde @ 4712'

Gallup @ 6311'

Dakota @ 7271'

7-7/8" Hole to TD

TD 7665'

5-1/2 x 8-58" Annulus squeezed  
with 600 sxs, (10/24/85)



13-3/8" 48#, H-40 Casing set @ 390'  
500 sxs cement (Circulated to Surface)

Perforate @ 440'

**Plug 6: 440' - Surface**  
Cement with 250 sxs

Cmt Retainer @ 1190'

Perforate @ 1240'

**Plug 5: 1240' - 1140'**  
Cement with 88 sxs,  
70 sxs outside 8-5/8"  
and 18 sxs inside 5-1/2".

TOC @ 1600' to 2300' (T.S., poor quality)

**Plug 4: 3343' - 2490'**  
Cement with 102 sxs  
(2 stages)

8-5/8" 24#, K-55 Casing @ 3293'  
Cemented with 477 sxs (559 cf)

Cement Bottom @ 4000' (T.S.)  
(from surface annulus squeeze)

TOC @ 4555' (Calc, 75% using  
only last 300 sxs Class B)

**Plug 3: 4762' - 4662'**  
Cement with 18 sxs

DV Tool @ 6087'

Cmt with 1500 sxs, (1757 cf)  
(1200 sxs foamed then lost  
circulation, then 300 sxs Class B)

**Plug 2: 6361' - 6261'**  
Cement with 18 sxs

Set CR @ 7244'

**Plug 1: 7244' - 6613'**  
Cement with 77 sxs

Dakota Perforations:  
7294' - 7494'

5-1/2" 15.5#, K-55 Casing Set @ 7665'  
Cemented with 500 sxs (745 cf)  
(1st stage circulated 140 sxs to surface)

# Form Status Menu

## Sundry Notice

This Sundry Notice was received by the BLM Well Information System and will be processed by the Rio Puerco BLM office.

Current status of Transaction Number **10296**:

Sundry Notice Type: **NOTICE OF INTENT-Plug and Abandonment**

Date Sent: **2/6/2002**

Current status of submission: **RECVD**

Sent to BLM office: **Rio Puerco**

Lease number: **NMSF 078913**

Submitted attachments: **4**

Well name(s) and number(s):

**LINDRITH B UNIT #28**

To edit, view, or add a note, [click here](#)

To use this Sundry Notice to file another   [click here.](#)

To view or print this Sundry Notice, [click here.](#)

To add/view or remove attachments previously submitted for this Sundry Notice, [click here.](#)

To return to the Previous Submissions screen, [click here.](#)

To return to the Operator Main Menu, [click here.](#)

IN REPLY REFER TO  
3162.3-1 (017)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT  
Albuquerque Field Office  
435 Montano N.E.  
Albuquerque, New Mexico 87107

Company Conoco Inc.

Well No. Lindrith B Unit 28

Location 610' FNL & 1080' FWL Sec.16, T24N, R3W, NMPM

Lease No. NMSF 078913

Government Contacts:

Bureau of Land Management, Albuquerque Field Office Office 505.761.8700

Manager: Steve Anderson, Assistant Field Manager 505.761.8982

Petroleum Engineer: Brian W. Davis 505.761.8756, Home 505.323-8698.  
Pager 505.969.0146, Cell 505.249.7922.

Petroleum Engineering Technician: **Al Yepa 505.321.4426 cell and 505.289.3748**

BLM Geology / Environmental Contact: Patricia M. Hester 505.761.8786

**GENERAL REQUIREMENTS**  
**FOR**  
**OIL AND GAS OPERATIONS ON FEDERAL AND INDIAN LEASES**

1. Plugging operations authorized are subject to the "General Requirements for Permanent Abandonment of Wells on Federal and Indian Leases."

2. Blowout prevention equipment is required.

3. The sundry is approved with the following change:

n/a



## 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 should 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.