

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires July 31, 1996

**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

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

CONOCO, INC.

3a. Address

P.O. BOX 2197 HOUSTON, TX 77252

3b. Phone No. (include area code)

(281)293-1005

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

835' FNL & 1810' FWL

Sec. 33, T28N, R11W

5. Lease Serial No.

SF 078863

6. If Indian, Allottee or Tribe Name

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

0820788630

8. Well Name and No.

Krause WN Federal 3E

9. API Well No.

30-045-24288

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, 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 recompleat horizontally, give subsurface locations 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 requests to plug this well using the attached procedure. Also attached is the current and proposed wellbore schematic.



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

Name (Printed/Typed)

DEBORAH MARBERRY

Title

REGULATORY ANALYST

Signature

Date

09/01/2000

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

Approved by

Title

Date

9/8/00

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

Title 18 U.S.C. Section 1001, makes 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.

(Instructions on reverse)

AMOC

## PLUG AND ABANDONMENT PROCEDURE

8/16/00

### **Krause WN Federal #3E**

Basin Dakota  
NW, Section 33, T28N, R11W  
San Juan 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.

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 safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. PU on tubing and attempt to TOH with packer (packer not set, will drag and may hang up at 4020'); attempt to work packer through bad casing. If able to pull packer, then attempt drive packer down to within 50' of top perforation at 6256'. Jet cut off the tubing above the packer and TOH with 199 joints 2-3/8" tubing (6207'). Visually inspect tubing, if necessary LD tubing and PU workstring.
3. **Plug #1 (Dakota interval, 6206' – 6150')**: If packer was removed, then RU wireline unit and set a 4-1/2" wireline CIBP at 6206'. TIH with open ended tubing and tag CIBP. Load casing with water and establish circulation. Attempt to pressure test casing to 500#, note rate and pressure of casing leak. If the casing does not test, then spot or tag subsequent plugs as appropriate. Mix 12 sxs Class B cement and spot a balanced plug inside casing above the CIBP to isolate the Dakota interval. TOH with tubing. If unable to recover packer body, then set a CR above and squeeze cement down to the perforations and spot 50' above the CR. TOH with tubing.
4. **Plug #2 (Gallup top, 5410' – 5310')**: Mix 12 sxs Class B cement and spot balanced plug inside casing to cover the Gallup top. TOH with tubing.
5. **Plug #2 (Mesaverde top, 3356' – 3256')**: Perforate 3 HSC squeeze holes at 3356'. Establish rate into squeeze holes if casing tested. Set 4-1/2" cement retainer at 3306'. Pressure test tubing to 1000#. Establish rate below retainer into squeeze holes. Mix 51 sxs Class B cement, squeeze 39 sxs cement outside 4-1/2" casing and leave 12 sxs cement inside casing to cover Mesaverde. PUH.
6. **Plug #3 (Pictured Cliffs and Fruitland tops, 1804' – 1438')**: Mix 32 sxs Class B cement and spot balanced plug inside casing to cover through the Fruitland top. TOH with tubing.
7. **Plug #4 (Kirtland and Ojo Alamo tops, 763' – 570')**: Perforate 3 HSC squeeze holes at 763'. Establish rate into squeeze holes if casing tested. Set 4-1/2" cement retainer at 713'. Establish rate below retainer into squeeze holes. Mix 94 sxs Class B cement, squeeze 75 sxs cement outside 4-1/2" casing and leave 19 sxs cement inside casing to cover Kirtland and Ojo Alamo. TOH & LD.
8. **Plug #5 (8-5/8" surface casing, 389' - surface)**: Perforate 3 HSC squeeze holes at 389'. Establish rate out bradenhead valve. Mix and pump approximately 105 sxs Class B cement down 4-1/2" casing and circulate good cement out bradenhead valve. Shut well in and WOC.
9. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

# Krause WN Federal #3E

Proposed P&A

Basin Dakota

NW, Section 33, T-28-N, R-11-W, San Juan County, NM

Lat: N 36° 37.4 / Long: W 108° 00.7

Today's Date: 08/14/00  
Spud: 7/3/80  
Completed: 8/11/80  
Elevation: 5864' GL

Ojo Alamo @ 620'

Kirtland @ 713'

Fruitland @ 1488'

Pictured Cliffs @ 1754'

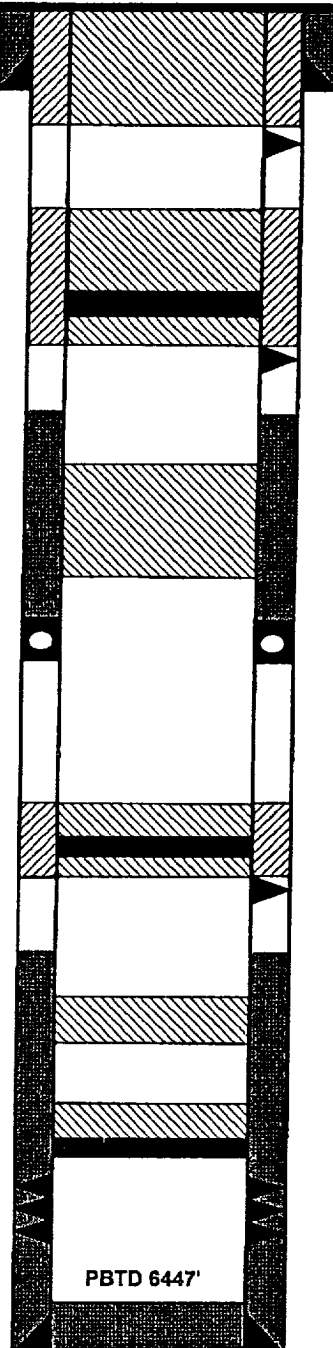
Mesaverde @ 3306'

Gallup @ 5360'

Dakota @ 6330'

12-1/4" hole

7-7/8" Hole



8-5/8" 24#, J-55 Csg set @ 339'  
200 sxs cement (Circulated to Surface)

Perforate @ 389' Plug #6 389' - Surface  
Cmt with 105 sxs Class B

Plug #5 763' - 570'  
Cmt with 94 sxs Class B,  
75 sxs outside casing  
and 19 sxs inside.

Cmt Retainer @ 713'

Perforate @ 763'

TOC @ 900' (CBL)

Plug #4 1804' - 1438'  
Cmt with 32 sxs Class B

DV Tool @ 2058'  
Cemented with 380 sxs, no circ  
with fair / poor cement bond 2100' to 900'

Cmt Retainer @ 3306'

Perforate @ 3356' Plug #3 3356' - 3256'  
Cmt with 51 sxs Class B,  
39 sxs outside casing  
and 12 sxs inside.

TOC @ 4186' (CBL)

Plug #2 5410' - 5310'  
Cmt with 12 sxs Class B

Set CIBP @ 6206'

Plug #1 6206' - 6150'  
Cmt with 12 sxs Class B

Granorous Perforations:  
6256' - 6282'  
Dakota Perforations:  
6338' - 6374'

4-1/2" 10.5#, J-55 Casing set @ 6471'  
Cemented with 605 sxs

TD 6471'

# Krause WN Federal #3E

Current

Basin Dakota

NW, Section 33, T-28-N, R-11-W, San Juan County, NM

Lat: N 36° 37.4 / Long: W 108° 00.7

Today's Date: 08/16/00  
Spud: 7/3/80  
Completed: 8/11/80  
Elevation: 5864' GL

12-1/4" hole

8-5/8" 24#, J-55 Csg set @ 339'  
200 sxs cement (Circulated to Surface)

## WELL HISTORY

May '00: Attempt T&A. MO, RU; Work tubing to release packer and start to TOH; packer hung up at 4020', assumed hole in casing or may be parted. TIH with tubing and packer; land at 6207'; unable to re-set packer due to possible damage while attempting to TOH. RD, MOL.

Ojo Alamo @ 620'

Kirtland @ 713'

Fruitland @ 1488'

Pictured Cliffs @ 1754'

TOC @ 900' (CBL)

2-3/8" Tubing Set at 6207'  
(199 joints)

DV Tool @ 2058'  
Cemented with 380 sxs, no circ  
with fair / poor cement bond 2100' to 900'

Mesaverde @ 3306'

TOC @ 4186' (CBL)

Gallup @ 5360'

Packer @ 6207'  
(not set)

Dakota @ 6330'

Granerous Perforations:  
6256' - 6282'  
Dakota Perforations:  
6338' - 6374'

PBTD 6447'

7-7/8" Hole

4-1/2" 10.5#, J-55 Casing set @ 6471'  
Cemented with 605 sxs

TD 6471'