Form 3160-5
(November 1994)

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

5. Lease Serial No.
SF 078863

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
0820788630

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

8. Well Name and No.
Krause WN Federal #4

2. Name of Operator
CONOCO, INC.

9. API Well No.
30-045-07087

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

3b. Phone No. *(include area code)*
(281)293-1005

10. Field and Pool, or Exploratory Area
Basin Dakota

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
800' FNL & 1590' FEL
Sec.33, T28N, R11W, C

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			
☒ 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 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.)

Conoco plans to plug this well using the attached procedure. Also attached is a 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 9/6/00

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)

NMOCD

PLUG AND ABANDONMENT PROCEDURE

8/16/00

Krause WN Federal #4
Basin Dakota
800' FNL and 1590' FEL, Section 33, T28N, R11W
San Juan County, New Mexico
Lat: N 36° 37.4' / Long: 108° 0.3'

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 rig anchors. Prepare blow pit. Comply to all NMOCD, BLM and Conoco safety rules and regulations. Conduct safety meeting for all personnel on location.

2. 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. Tubing in well 199 joints 2-3/8", 6265'.

3. **Plug #1 (Dakota Interval, 6282' – 6182'):** Pick up one joint and tag CIBP. Load casing with water and circulate well clean. Attempt to pressure test casing to 500#. If casing does not test, spot or tag subsequent plug as appropriate. Mix 12 sxs Class B cement and spot a balanced plug on top of CIBP to isolate Dakota perforations. PUH to 5476'.

4. **Plug #2 (Gallup top, 5476' – 5376'):** Mix 12 sxs Class B cement and spot balanced plug inside casing to cover Gallup top. PUH to 3435'.

5. **Plug #3 (Mesaverde, 3435' – 3335'):** Mix 12 sxs Class B cement and spot balanced plug inside casing to cover Mesaverde top. PUH to 1890'.

6. **Plug #4 (Pictured Cliffs top, 1890' – 1790'):** Mix 12 sxs Class B cement and spot balanced plug inside casing to cover Pictured Cliffs top. TOH with tubing.

7. **Plug #5 (Fruitland top, 1590' – 1490'):** Perforate 3 HSC squeeze holes at 1590'. If casing tested, then establish rate into squeeze holes. Set 4-1/2" cement retainer at 1565'. Establish rate into squeeze holes. Mix 51 sxs Class B cement, squeeze 39 sxs outside casing and leave 12 sxs inside casing to cover over Fruitland top. TOH with tubing.

8. **Plug #6 (Kirtland and Ojo Alamo tops, 845' – 610'):** Perforate 3 HSC squeeze holes at 845'. If casing tested, establish rate into squeeze holes. Set 4-1/2" cement retainer at 795'. Establish rate into squeeze holes. Mix 51 sxs Class B cement, squeeze 39 sxs outside casing and leave 12 sxs inside casing to cover through Kirtland and Ojo Alamo tops. TOH and LD tubing.

9. **Plug #7 (8-5/8" casing shoe, 403' - Surface):** Perforate 3 HSC holes at 403'. Establish circulation out bradenhead. Mix and pump approximately 125 sxs cement and pump down the 4-1/2" casing, circulate good cement to surface.

10. 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.

Krause WN Federal #4

Current

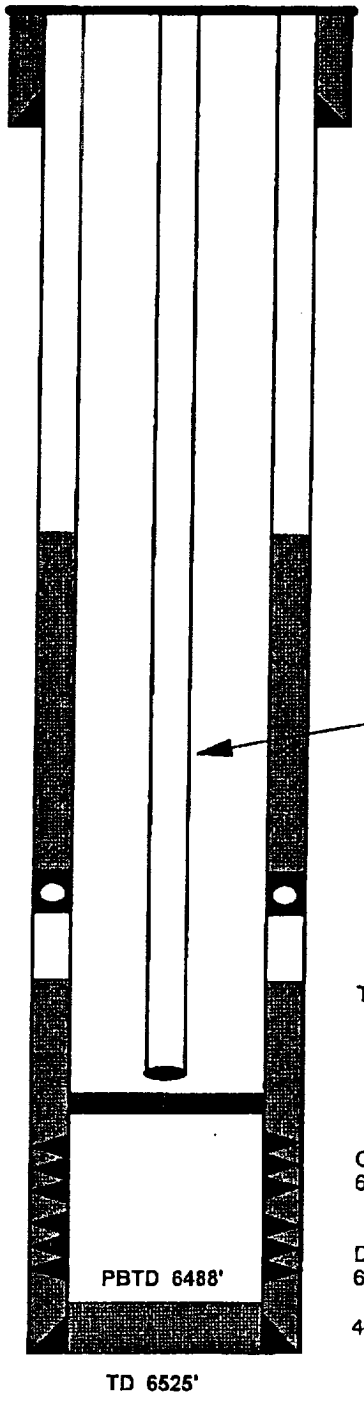
Basin Dakota

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

Lat: N 36° 37.4' / Lat: W 108° 0.3'

Today's Date: 08/15/00
Spud: 12/13/64
Completed: 2/26/65

Elevation: 5961' GL
5972' KB



8-5/8" 24#, J-55 Csg set @ 353'
240 sxs cement (Circulated to Surface)

WELL HISTORY

May '00: Attempt TA Pull tubing and packer, found scale on tubing from 3773'; set 4-1/2" CIBP at 6282'; attempt to pressure test caasing to 500#, bled off to 0# in 7 min; land tubing at 6265' and RD.

Ojo Alamo @ 660'

Kirtland @ 795'

Fruitland @ 1565'

TOC @ 1600' (Conoco's Records)

Pictured Cliffs @ 1840'

2-3/8" Tubing Set at 6265'
(201 joints)

Mesaverde @ 3385'

DV Tool @ 4565'
Cemented with 1106 cf

TOC @ 4971' (Calc, 75%)

Gallup @ 5426'

CIBP @ 6282' (May '00)

Granerous Perforations:
6339' - 6343'

Dakota @ 6310'

Dakota Perforations:
6398' - 6434'

4-1/2" 10.5#, J-55 Casing set @ 6523'
Cemented with 400 sxs

Krause WN Federal #4

Proposed P&A

Basin Dakota

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

Lat: N 36° 37.4' / Lat: W 108° 0.3'

Today's Date: 08/15/00
Spud: 12/13/64
Completed: 2/26/65

Elevation: 5961' GL
5972' KB

Ojo Alamo @ 660'

Kirtland @ 795'

Fruitland @ 1565'

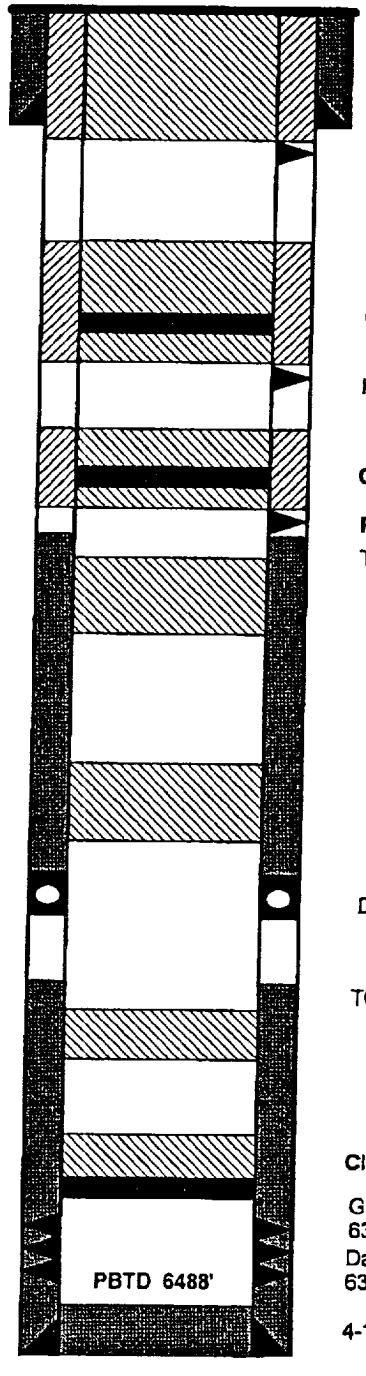
Pictured Cliffs @ 1840'

Mesaverde @ 3385'

Gallup @ 5426'

Dakota @ 6310'

12-1/4" hole



7-7/8" Hole

TD 6525'

8-5/8" 24#, J-55 Csg set @ 353'
240 sxs cement (Circulated to Surface)

Perforate @ 403'

Plug #7 403' - Surface
Cmt with 125 sxs Class B

Plug #6 845' - 610'
Cmt with 113 sxs Class B,
91 sxs outside casing and
22 sxs inside.

Cmt Retainer @ 795'

Perforate @ 845'

Plug #5 1590' - 1490'
Cmt with 51 sxs Class B,
39 sxs outside casing
and 12 sxs inside.

Cmt Retainer @ 1565'

Perforate @ 1590'

TOC @ 1600' (Conoco's Records)

Plug #4 1890' - 1790'
Cmt with 12 sxs Class B

Plug #3 3435' - 3335'
Cmt with 12 sxs Class B

DV Tool @ 4565'
Cemented with 1106 cf

TOC @ 4971' (Calc, 75%)

Plug #2 5476' - 5376'
Cmt with 12 sxs Class B

Plug #1 6282' - 6182'
Cmt with 12 sxs Class B

CIBP @ 6282' (May '00)

Granerous Perforations:
6339' - 6343'

Dakota Perforations:
6398' - 6434'

4-1/2" 10.5#, J-55 Casing set @ 6523'
Cemented with 400 sxs