

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)
1190' FSL & 1625' FWL
Sec.28, T28N, R11W N

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 #5

9. API Well No.
30-045-07206

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 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 requests to plug this well using the attached procedure. Also attached are 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

9/4/00

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)

BLM/BLM

PLUG AND ABANDONMENT PROCEDURE

8/15/00

Krause WN Federal #5

Basin Dakota

1190' FSL and 1625' FWL, Section 28, T28N, R11W

San Juan County, New Mexico

Lat: N 36° 37.8' / Long: W 108° 0.7'

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 with all NMOCD, BLM and Conoco 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. PU on tubing and attempt to release Halliburton R-4 Packer at 6169'. TOH with 195 joints 2-3/8" tubing (6300') and LD packer. If unable to pull packer and the tubing does not leak, then pump plug #1 down tubing and WOC. Determine freepoint by stretch and jet cut tubing above the packer. Then TOH and visually inspect the tubing; PU workstring if necessary
3. **Plug #1 (Dakota Interval, 6149' – 6049')**: Set a wireline 4-1/2" CIBP or CR at 6149'. TIH with open ended tubing and tag CIBP. Load casing with water and circulate clean. Pressure test casing to 500#. If casing does not test, spot or tag subsequent plugs as appropriate. Mix 12 sxs Class B cement and spot a balanced plug on top CIBP to isolate Dakota interval and cover top. PUH to 3260'.
4. **Plug #2 (Gallup top, 5348' – 5248')**: Mix 12 sxs Class B cement and spot balanced plug inside casing to cover Gallup top. PUH to 3260'.
5. **Plug #3 (Mesaverde top, 3260' – 3160')**: Mix 12 sxs Class B cement and spot balanced plug inside casing to cover Mesaverde top. TOH with tubing.
6. **Plug #4 (Pictured Cliffs and Fruitland tops, 1724' – 1420')**: Perforate 3 HSC squeeze holes at 1724'. If casing tested, then establish rate into squeeze holes. Set 4-1/2" cement retainer at 1674'. Establish rate into squeeze holes. Mix 145 sxs Class B cement, squeeze 112 sxs outside casing and leave 27 sxs inside casing to cover Pictured Cliffs and Fruitland tops. TOH w/tubing.
7. **Plug #5 (Kirtland and Ojo Alamo tops, 690' – 480')**: Perforate 3 HSC squeeze holes at 690'. If casing tested, then establish circulation out bradenhead. Set 4-1/2" cement retainer at 640'. Establish rate into squeeze holes. Mix 101 sxs Class B cement, squeeze 81 sxs outside casing and leave 20 sxs inside casing to cover over Kirtland and Ojo Alamo tops. TOH and LD tubing.
8. **Plug #6 (8-5/8" casing shoe, 422' - Surface)**: Perforate 3 HSC holes at 422'. Establish circulation out bradenhead. Mix approximately 130 sxs cement and pump down the 4-1/2" casing, circulate good cement to surface.
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.

Krause WN Federal #5

Current

Basin Dakota

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

Lat: N 36° 37.8' / Long: W 108° 0.7'

Today's Date: 08/15/00

Spud: 2/4/65

Completed: 3/6/65

Elevation: 5814' GL
5825' KB

Ojo Alamo @ 530'

Kirtland @ 640'

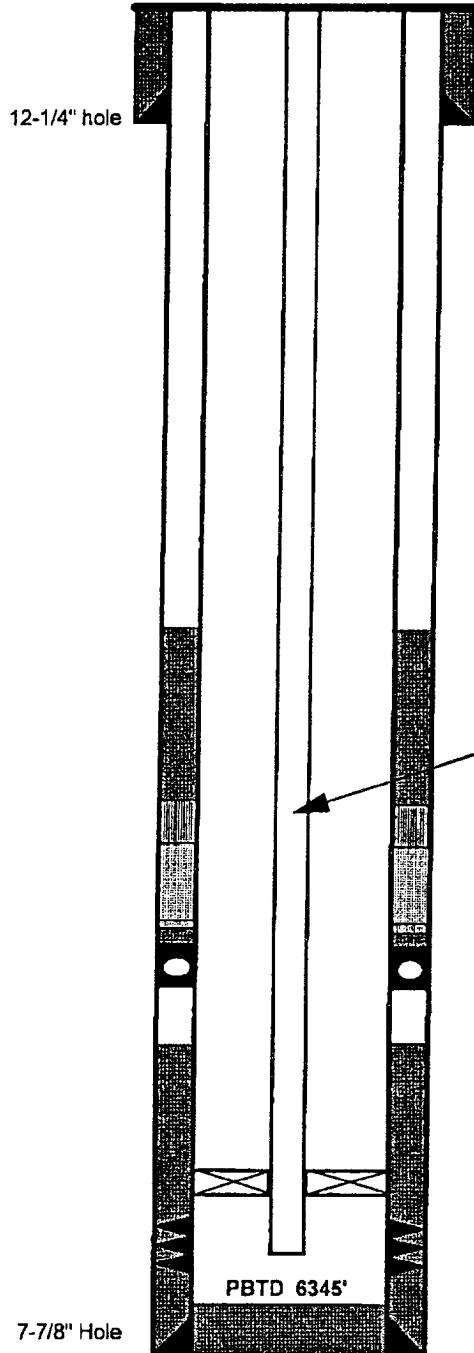
Fruitland @ 1470'

Pictured Cliffs @ 1674'

Mesaverde @ 3210'

Gallup @ 5298'

Dakota @ 6284'



8-5/8" 24#, J-55 Csg set @ 372'
230 sxs cement (Circulated to Surface)

WELL HISTORY

Nov '86: Suspected casing leak; pulled tubing, set CIBP and PT, OK; DO plug and then set packer and PT casing again, OK; swab tested for 4 days then pulled packer; landed tubing.

Mar '94: Plugged tubing repair: found casing leak at 3435'; set packer and landed tubing.

Apr '94: Casing Repair: Pull tubing and set RBP; isolate leaks from 3435' to 3965'; sqz with 100 sxs; tag at 2970' then drill out to 4000'; re-squeeze with ? sxs; drill out and PT to 600#; recover RBP; land tubing at 6300' with Model "R" packer at 6169'.

Apr '00: Attempt T&A: Load casing with 4-1/2 bbls water, unable to P/T. RD move off.

TOC @ 2012' (Calc, 75%)
(Note Conoco record's report
TOC at surface.)

2-3/8" Tubing Set at 6300'
(195 joints with Halliburton R-4 Packer at 6169')

Sqz casing holes 3435' - 3965'
w/100 sxs.
Sqz casing holes from 4039' - 3051'
unknown amount. (Apr '94)

DV Tool @ 4440'
Cemented with 625 sxs

TOC @ 4836' (Calc, 75%)

Granerous Perforations:
6199' - 6227'
Dakota Perforations:
6283' - 6321'

4-1/2" 10.5#, J-55 Casing set @ 6379'
Cemented with 400 sxs

TD 6380'

Krause WN Federal #5

Proposed P&A

Basin Dakota

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

Lat: N 36° 37.8' / Long: W 108° 0.7'

Today's Date: 08/15/00

Spud: 2/4/65

Completed: 3/6/65

Elevation: 5814' GL

5825' KB

12-1/4" hole

Ojo Alamo @ 530'

Kirtland @ 640'

Fruitland @ 1470'

Pictured Cliffs @ 1674'

Mesaverde @ 3210'

Gallup @ 5298'

Dakota @ 6284'

7-7/8" Hole

PBTD 6345'

TD 6380'

8-5/8" 24#, J-55 Csg set @ 372'
230 sxs cement (Circulated to Surface)

Perforate @ 422'

Plug #6 422' - Surface
Cmt with 130 sxs Class B

Cmt Retainer @ 640'

Perforate @ 690'

Plug #5 690' - 480'
Cmt with 101 sxs Class B,
81 sxs outside casing
and 20 sxs inside.

Cmt Retainer @ 1674'

Perforate @ 1724'

Plug #4 1724' - 1420'
Cmt with 145 sxs Class B,
118 sxs outside casing
and 27 sxs inside.

TOC @ 2012' (Calc, 75%)
(Note Conoco record's report
TOC at surface.)

Plug #3 3260' - 3160'
Cmt with 12 sxs Class B

Sqz casing holes 3435' - 3965'
w/100 sxs.
Sqz casing holes from 4039' - 3051'
unknown amount. (Apr '94)

DV Tool @ 4440'
Cemented with 625 sxs

TOC @ 4836' (Calc, 75%)

Plug #2 5348' - 5248'
Cmt with 12 sxs Class B

Set CIBP @ 6149'

Plug #1 6149' - 6049'
Cmt with 12 sxs Class B

Granerous Perforations:
6199' - 6227'
Dakota Perforations:
6283' - 6321'

4-1/2" 10.5#, J-55 Casing set @ 6379'
Cemented with 400 sxs