

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

NM 02491

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
CONOCO INC
CONOCO INC.

3. Address and Telephone No.

10 DESTA DR. STE. 100W, MIDLAND, TX. 79705-4500 (915) 686-5424

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

Section 27, T-30-N, R-11-W, (F)
1850' FNL & 1190' FWL
19-10

8. Well Name and No.

Federal A #1

9. Well No.

30-045-09192

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

San Juan, NM

RECEIVED
JUL 22 1999
OIL CON. DIST. 3

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Repon
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☒ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracrunng
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Repon results of multiple completion well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Conoco, Inc proposes to repair the casing leaks in this well using the attached procedure.

RECEIVED
BLM
99 JUL -8 PM 1:03
070 FARMINGTON, NM

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

Signed Kay Maddox

Title Kay Maddox
-Regulatory Agent

Date July 7, 1999

(This space for Federal or State Office use)

Approved by /S/ Duane W. Spencer

Title Team Lead, Petroleum Engineering

Date JUL 20 1999

Conditions of approval if any:

BLM(6), NMOCD(1), SHEAR, PONCA, COST ASST, FILE ROOM

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.

*See Instruction on Reverse Side

NMOCD

**Federal A #1
Casing Leak Repair
Cement Squeeze Leaks
June 30, 1999**

API# 300450919200

**Location: Sec. 27, Twn. 30N, Rge. 11W, Quarter NW SE NW, 1850' ^{FNL} ~~FSL~~, 1850' ^{FWL} ~~FEL~~,
San Juan County.**

We request funds in the amount of \$50,000 to run a cement bond log, perform casing tests, repair leaks by replacement or squeezing or both. Once done we will pull retrievable bridge plug set @ 6700', run production tubing, and resume plunger lifted production on the Federal A #1. The Federal A #1 well is under plug due to a previous casing leak to prevent fluid invasion from a wet upper zone. Additional information leads us to believe that a near surface leak is what prevented the leak to be repaired upon discovery. The well is currently temporarily abandoned, has 850 MMcf reserves and should recover to above 100 Mcfgd once it is repaired.

Work Plan

Casing leaks were isolated between 745' and 808' and determined to be non-repairable with conventional cement squeeze methods. Additional information leads us to believe that a near surface leak is what prevented the leak to be repaired upon discovery. We want to evaluate casing cement and condition and repair if possible or produce under packer to determine if the well has been damaged and is worth slimhole completion..

Completion Data:

Spud date: 12/22/63 Completion: 01/02/64

TD = 6,930' PBD = 6,903' KB-Grd = 12' Elev. Grd = 5,933'

Surface Casing: 8-5/8", 24#, 10 jts. set @ 314' (cmt. to surface)

Production Casing: 4-1/2", 11.6#, J-55 8rd, 1 jt. to 22'
4-1/2", 10.5#, J-55 8rd, 214 jts. to 6,729' (TOC unknown. DV@ 2,461'.)
4-1/2", 11.6#, J-55 8rd, 6 jts. to 6,929' (1st stg 150 sx, 2nd stg 550 sx.)

RBP - Halliburton R-4 Plug @ 6,703' inside 4-1/2", 10.5#, J-55 8rd, casing.

Production Tubing: 2-3/8", 4.7#, J-55 8rd, 210 jts. hung @ 6,628' w/1.78" ID SN on bottom.

Perforations: Dakota - 6,790' - 6,810', & 6,840' - 6,885'
(4 spf @ 6881-85, 2 spf @ 6840-50, all in 500 G 7-1/2% MCA)

Note: Casing leak isolated between 745' and 808', able to circulate to surface pipe, unable to blow down surface pipe. Recommend pumping tubing displacement volume of dyed water ahead of

cement when cementing 2-7/8" slim hole string. Drop displacement plug when dyed water reaches surface.

**Federal A #1
Casing Leak Repair
Cement Squeeze Leaks
June 30, 1999**

1. Move in workover rig, hold safety meeting, note prevailing wind direction at location, designate muster point, review procedure, identify potential hazards, isolate lines and facilities, blow down lines, lock out tag out, spot equipment, rig up, WORK SAFELY
2. Pull Tubing
 - a. RU. kill by circulating with 1% KCl. NU BOP's.
The well is under a RBP.
 - b. POOH 210 jts. 2-3/8", 4.7#, J-55, EUE tubing w/SN on bottom.
 - c. Rig up lay down tank to blow surface pipe to, etc...
3. Run CBL from RBP to surface
 - a. Keep hole full of water if possible.
 - b. Rig up wireline and run CBL from RBP to surface.
4. Test casing
 - a. RIH with RBP (Halliburton R-4) pulling tool and Multi set packer.
 - b. Set packer at 100', pressure up annulus to check for near surface leak.
 - c. Set packer above 745' pressure up annulus to check for near surface leak.
 - d. check for leak
 - e. Set packer below 808', pressure test below packer for casing leaks.
Contact engineering with CBL and casing test results
 - f. If additional leaks detected isolate as much as possible.
5. If near surface leaks are found, repair near surface leaks
 - a. Back off casing and replace if possible. Back off below all leaks if possible and replace.
6. Cement squeeze casing leaks and test
 - a. Establish circulation to surface and cement squeeze leaks if no additional lower leaks are found.
 - b. WOC, drill out, and retest casing.
 - c. Circulate sand off top of RBP and pull, POOH.
 - d. RIH with mule shoe and SN on bottom of 2-3/8" tubing string, hang tubing @ 6790'
7. Return Well to Production

Notify operator to install plunger lift and resume production. Watch fluids production and optimize plunger lift. Monitor well for rate at least one week. Change orifice plate, check separating/compression facilities-- notify engineering for assistance, if needed, in making equipment changes.