

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

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 & 1850' FWL

5. Lease Designation and Serial No

NM 02491

6. If Indian, Allottee or Tribe Name

7. If Unit or C.A. Agreement Designation

8. Well Name and No

Federal A #1

9. API Well No.

30-045-09192

10. Field and Pool, or Exploratory Area

Basin Dakota (71599)

11. County or Parish, State

San Juan, New Mexico

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: Report 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.)*

It is proposed to repair the casing leak in this well using the attached procedure.

RECEIVED
JUN 4 1998

OIL CON. DIV.
DIST. 3

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

Signed Kay Maddox Title Regulatory Agent Date May 27, 1998

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
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
Slim Hole/Casing Leak Repair
May 21, 1998**

API# 300450919200

**Location: Sec. 27, Twn. 30N, Rge. 11W, Quarter NW SE NW, 1850' FSL, 1850' FEL,
San Juan County.**

We request funds in the amount of \$65,000 to pull retrievable bridge plug, run and cement 2-7/8" slim hole completion 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. The well is currently temporarily abandoned and should recover to above 100 Mcfgd. The well now needs casing repair in the form of slim hole to be in compliance with regulations pertaining to wells with casing leaks.

Work Plan

Casing leaks were isolated between 745' and 808' and determined to be non-repairable with conventional cement squeeze methods. We propose to run 2-7/8" EUE 8rd tubing with Arrow Completion System Watson-440 full bore packer and set packer 200' above top perforation and end of tubing just above top perforation at 6,790'. We will cement the 2-7/8" slim hole string from above packer to surface, drill out cement and plugs, set a collar stop spring near bottom, and optimize production with plunger lift.

Completion Data:

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

TD = 6,930' PBSD = 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.

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May 21, 1998**

1. Pre Work

- A. Locate and test deadman anchors. Spot flow back pit (20x20) and prepare. Inform operator of work to be done and time frame. Check for location size and equipment placement. Identify any hazards (power lines, H2S, tight equipment fits).
- B. Have pressure gauges on both casing and tubing when necessary (during acid, frac, testing).
- C. Hold Safety Meeting before rigging up to discuss potential hazards and meeting place in case of an emergency.

2. Pull Tubing

- A. RU. Blow well down and kill with minimum amount of 1% KCl. NU BOP's. The well should be dead as it is under a RBP.
- B. POOH 210 jts. 2-3/8", 4.7#, J-55, EUE tubing w/SN on bottom.
- C. RIH with work string and over shot and pull RBP @ 6,700'.
- D. POOH work string standing back.

3. RIH , Scrape Casing, Tag Fill, & Clean Out

- A. RIH with work string, casing scraper, tag fill, clean out to bottom with 3-7/8" bit (PBSD 6903') circulating with nitrogen. (4.5", 11.6#, csg. has drift of 3.875)
- B. POOH work string laying down.

4. SLIM HOLE

- A. TIH, run three 2-7/8" pup joints on bottom, pick up Watson-440 packer at 200',
- B. Run aluminum blank disc in collar above packer with short ported nipple above it. TIH to set EOT @ 6,790', top perforation is at 6,790'
- C. Set packer 200' above top perforation with end of tubing at or just above 6,790'.
NOTE: Check set load and cement load to prevent packer shear release.
- D. Pump 38 barrels dyed water ahead of cement, annular cement volume between 2-7/8", 6.5# tubing & 4-1/2", 10.5# casing is 52 bbls. or 292.6 cu. ft.. When dyed water reaches surface drop displacement plug.

6. Return Well to Production

Notify operator to install plunger lift on 2.875" casing/tubing 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.

San Juan West Team

cc: Well File, Tom Lentz(Farmington), Greg Vick (Farmington)