

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

RECEIVED
SEP 30 1999
OIL CON. DIV.
DET. 8

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

5. Lease Designation and Serial No.

SF 078416A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

7940004280

8. Well Name and No.

Hardie #1E

9. API Well No.

30-045-24983

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

San Juan, NM

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Conoco Inc

3. Address and Telephone No.

P.O. Box 2197 DU-3066 Houston, TX 77252-2197 (281) 293-1005

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

K Sec. 26, T-29N, R-8W
1520' FSL & 2120' FWL

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

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☒ Casing Repair

☐ Altering Casing

☐ Other Downhole Commingle

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

Note: Report results of multiple completion on 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 test and repair casing using the attached procedure.

RECEIVED
OIL CON. DIV.
SEP 20 AM 11:27
DET. 8

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

Signed Wayne Townsend

Title Regulatory Analyst

(281) 293-1005

Date 08/17/99

(This space for Federal or State office use)

Approved by WAYNE TOWNSEND

Title A. T. L.

Date 9-28-99

Conditions of approval if any:

BLM(6), NMOC(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

44000

Hardie TE
API# 300452498300
Test and Repair Casing
September 8, 1999

AFE# 2493

Location: Sec. 26, T-29N, R-8W, Quarter NE SW, 1520' FSL, 2120' FWL, San Juan County.

Work Plan

The operator of this well has reported finding what appears to be drilling mud in the separator. We want to pull the tubing, set a retrievable bridge plug at 7200' over producing interval (7224' - 7475') test the casing, and if necessary, repair by cement squeeze if possible. If the well does not appear to be repairable by this method then we propose to produce under packer to determine if the well has been damaged and will recover.

Completion Data:

Spud date: 5/10/81 Completion: 7/30/81

TD = 7,557' PBDT = 7,508' KB-Grd = 12' Elev. Grd = 6389'

Surface Casing: 9-5/8", 36#, 8 jts. set @ 216' (cmt. to surface)

Intermediate Casing: 7", 20#, K-55, 79 jts. set @ 3167', w/635.5 cu.ft. cmt. (est. TOC @ 100')

Production Casing: 4-1/2", 10.5#, J-55 8rd, 165 jts. to 6,740' (est. TOC @ 2,000'.)
4-1/2", 11.6#, J-55 8rd, 20 jts. to 7557' (files show 789 cu.ft. cement)

Production Tubing: 2-3/8", 4.7#, J-55 8rd, 236 jts. landed @ 7325' w/1.78" ID SN on bottom.

Perforations: Dakota - 7224', 26', 28', 30', 32', 34', 37', 39', 97', 99', (10 holes) &
7,404', 06', 08', 43', 45', 47', 49', 51', 53', 55', 73', 75' (12 holes).

PROCEDURE

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 with minimum amount of 1% KCl. NU BOP's.
 - b. POOH 236 jts 2-3/8", 4.7#, J-55, EUE tubing w/SN on bottom standing back.
 - c. Rig up lay down tank to blow surface pipe to, etc...
3. **Test Casing, Isolate Leak**
 - a. RIH with RBP and multi set packer on tubing string.
 - b. Set RBP and 7200', set packer and test plug, fill casing with water and test to 500 psi.
 - c. Move up the well with packer testing above and below until leak is isolated.

Hardie 1E
API# 300452498300
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PROCEDURE (continued)

3. **Cement squeeze casing leak, test, drill out, retest.**

- a. Set packer just above leak, make sure RBP is covered with sand.
- b. Rig up cementers and establish injection rate with 1% KCl and cement squeeze leaks.
- b. WOC, test casing, drill out, and retest casing and POOH with work string and bit.
- c. RIH with RBP pulling tool, circulate sand off top of RBP and pull, POOH.

4. **Run production tubing and land at top perforation.**

- a. RIH with mule shoe and SN on bottom of 2-3/8" tubing string, hang tubing @ 7224' (+ or - a joint). Be careful not to over torque tubing connections.
- b. Make a drift run with sand line to SN nipple to ensure there are no tight spots.
- c. ND BOP's and NU Tree, install plunger lubricator and equipment.

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.

San Juan East Team (DRW & CEM)

cc: Central Records, 3 Copies to (Farmington, New Mexico) Linda Hernandez, FPS, & Project Lead.