

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
860' FSL & 1050' FEL
Sec. 22, T-28N, R-11W

5. Lease Designation and Serial No.

NM 013365

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Phillips No. 2

9. API Well No.

30-45-07261

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

San Juan, NM

12. 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 Bradenhead Repair

- ☐ 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.)*

It is proposed to effect a bradenhead repair on this wellbore according to the attached procedure and diagrams. This procedure will circulate cement from 1100 feet to surface which will adequately relieve the small pressure on the bradenhead and protect the Ojo Alamo and all surface water sources.

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

Signed

[Signature]

Title

Sr. Conservation Coordinator

12/12/95

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

APPROVED

DEC 15 1995

DISTRICT MANAGER

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.

**Phillips No. 2
Bradenhead Repair
November 21, 1995**

Objective

Funds in the amount of \$10,500 gross are requested to repair the bradenhead on the Phillips 2. This well currently holds 150 psi on the bradenhead, and will not blow down when opened to atmosphere. The bradenhead flows water, initially, and then continuous gas. Recommended procedure is to rig up on the surface casing/production casing annulus with coiled tubing, run coiled tubing down to 640', and circulate cement to surface.

This project will not increase reserves, but will protect present production. The alternative to this repair is to abandon the wellbore, or risk environmental liability. This project is an attempt to prove up cost effective coiled tubing bradenhead repairs.

Notes:

Bradenhead test results: Initial bradenhead pressure was 150 psi. Pressure dropped to 45 psi in 30 minutes. Initially, 15 bbl of black water flowed, followed by a continuous gas stream. Casing pressure remained fairly constant (slight increase from 250 psi to 255 psi) indicating no communication.

Tubular Specs:

OD	GRADE	WT	ID/Drift	OD Cplg	BBL/FT	COLLAPSE	BURST	SF
9 5/8	J-55	32.3	9.001/ 8.845			1000	1590	70%
5 1/2	J-55	15.5	4.825	6.050	.0238	2825	3360	70%
2 3/8	J-55	4.7	1.995	3.063	.00387	6500	6160	80%

Annular Volumes:

9 5/8 X 5 1/2:	.0493 bbl/ft	.2769 ft ³ /ft
7 7/8 hole X 5 1/2:	.0309 bbl/ft	.1733 ft ³ /ft

PHILLIPS NO. 2
BRADENHEAD REPAIR
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1. **Pre Work**

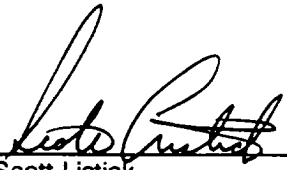
- A. Hold Safety Meeting and make sure all hot work permits are obtained before working on wellhead.
- B. Move onto well and dig out access to surface casing.
- C. Hot tap coiled tubing entry guide onto surface casing (see attached schematic).
- D. Prepare for pressure, fluids, and gas on bradenhead after hot tap.

2. **Rig Up Coiled Tubing Unit**

- A. Hold Safety Meeting before rigging up to discuss potential job hazards (job scope, coiled tubing safety, what happens if coiled tubing gets stuck?, etc.).
- B. Install pressure gauges on tubing and casing, and monitor pressures throughout job to ensure that there is no communication between bradenhead and casing or tubing.
- C. Before coiled tubing comes on location, make sure end of coiled tubing is cut at a 45 degree angle, and the sharp end is rounded off.
- D. MI Coiled tubing unit, and position over entry guide.
- E. Feed CT into surface casing/ production casing annulus. If CT will not go down, attempt to circulate water while running in hole.

3. **Cement Surface Casing/Production Casing Annulus**

- A. Attempt to RIH with coiled tubing to 1100' (Fruitland sands). Minimum depth to run coiled tubing is 590' (base of Ojo Alamo). If coiled tubing can not be run to 590', POOH and shut down.
- B. Establish circulation with H2O. Monitor tubing and casing pressure while pumping, to insure that water is not leaking into production casing. Make sure pressures do not exceed production casing collapse pressure.
- C. Hang and cut off coiled tubing (can use polished rod clamp as hanger). Move off coiled tubing unit.
- D. Rig up cementers.
- E. Pump cement down coiled tubing and circulate to surface.
- F. WOC. Rig down. Clean up location.

 11/21/95
Scott Listiak
Engineer (915) 686-6139

cc: Well File, Milo Hernandez (Farmington), Tommy Brooks (Farmington)

WELL COMPLETION SKETCHES

WELL

PHILLIPS #2

FIELD

BASIN- DAKOTA

DATE

5-3-93



PRESENT COMPLETION



SUGGESTED COMPLETION

PERMANENT WELL BORE DATA

KB 5618' (10' AGL)

SURFACE CASING - 9 5/8" O.D.
323# H-40 BR STIC SET AT
237' W/ 135 SKS CMT TO
SURFACE (12 1/4" HOLE) 10-9.001

DV TOOL - 1833'
W/ 150 SX (690 GEL CMT)
TOC?

TOC=1

PBTD - 6219'
PRODUCTION CASING - 5 1/2"
O.D. 15.5# J-55 BR STIC
SET AT 6234' W/ 225 SKS
CMT IN 1ST STAGE AND 150
SKS IN 2ND STAGE THRU DV
TOOL AT 1833' (7 7/8" HOLE)

DATA ON THIS COMPLETION

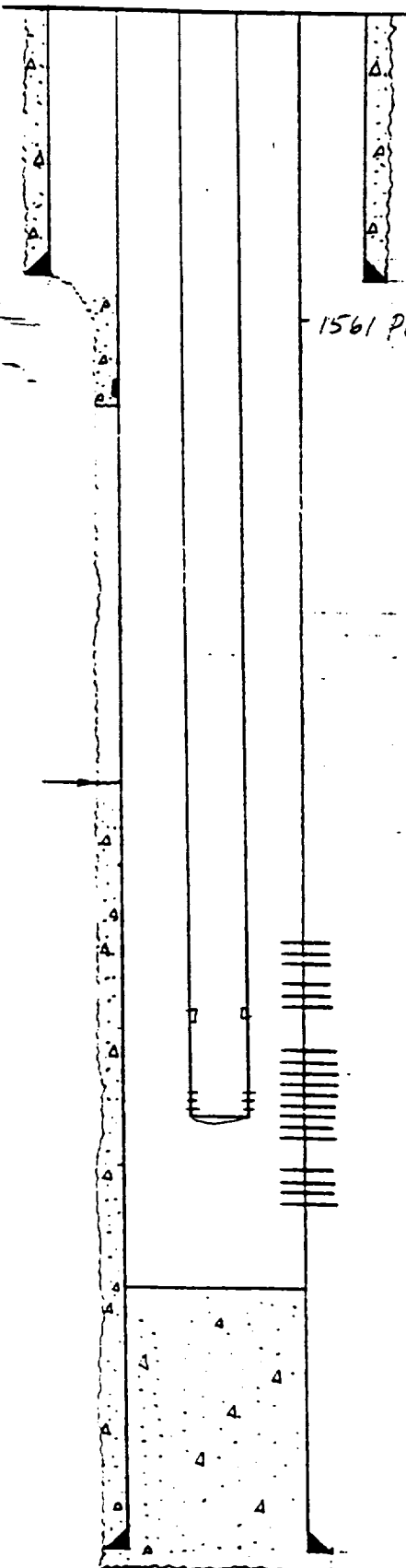
LOCATION: 860' FSL & 105
FEL SECTION 22-T2BN-R11W

1561 PC

TUBING STRING - 2 3/8" O.D.
4.7# J-55 BR EUE SET A
6141'. 3111 PLUGGED PERFE
SUB DV BOTTOM.
COLLAR STOP @ 6138'

DAKOTA PERFORATIONS:

6031-44' W/ 2 JSPE
6057-70' W/ 2 JSPE
6110-57' W/ 2 JSPE
6183-6203' W/ 2 JSPE



Coiled Tubing Bradenhead Repair

