

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations.
See also space 17 below.)
At surface

1650' FNL, 915' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, ST, GR, etc.)

6093' DF

5. LEASE DESIGNATION AND SERIAL NO.

SF-078194

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Ludwick LS

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Aztec PC

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 29, T30N R10W

12. COUNTY OR PARISH 13. STATE

San Juan

NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. 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.)*

Tenneco requests permission to run a production liner and foam frac according to the attached detailed procedure.

RECEIVED

NOV 15 1985

OIL CON. DIV./
DIST. 3

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

SIGNED

TITLE Senior Regulatory Analyst

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED

DATE 11/8/85

NOV 13 1985

DATE

FOR AREA / DISTRICT
FARMINGTON HEADQUARTERS

*See Instructions on Reverse Side

0596/

LEASE Ludwick LS

WELL NO. 1

CASING:

9 5/8 "OD, 40 LB, CSG.W/ 75 SX

TOC @ surf . HOLE SIZE DATE: 4/7/51

REMARKS

5 1/2 "OD, 14 LB, CSG.W/ 137 SX

TOC @ . HOLE SIZE DATE: 5/14/51

REMARKS

"OD, LB, CSG.W/ DATE: SX

TOC @ . HOLE SIZE DATE

REMARKS

TUBING:

1 "OD, 1.7 LB, GRADE, RD, CPLG

LANDED @ 2604' . SN, PACKER, ETC.

"OD, LB, GRADE, RD, CPLG

LANDED @ . SN, PACKER, ETC.

PUMP RODS ANCHOR

DETAILED PROCEDURE:

1. MIRUSU. Kill well if necessary.
2. NDWH. Install 5-1/2" x 3-1/2" casing head. NUBOP.
3. POOH laying down 1" tubing. Tally in hole w/4-3/4" bit and 2-3/8" tubing. Clean/Drill out to 2700' w/foam. POOH laying down 2-3/8" tubing and bit.
4. RIH w/3-1/2", 9.2#, J-55 NUE casing w/guide shoe and Omega latch down baffle on bottom to T.D.
5. Pump 5 BBL mud flush and cement 3-1/2" casing w/100 sx 50/50 POZMIX w/15% Diacel D and 4% CaCl₂ ± 12.4 ppg. Flush lines, drop plug and displace w/1 BBL acetic acid followed by 2% KCL water. Do not overdisplace.
6. NDBOP. Cut off 3-1/2" casing. Install 4-1/2" x 1-1/4" tubinghead. NUBOP. Pressure test casing to 2500 psi.

134'

2521'

2604'

2700'

DETAILED PROCEDURE

PAGE TWO

LUDWICK LS 1

7. Run temperature survey from surface to PBTD to determine TOC. Run GR/CNL/CCL from PBTD to 1000'. Telecopy log to Denver.
8. Tally in hole w/1-1/4", 2.4# tbg and tag PBTD. Circulate hole w/2% KCL water. Spot 150 gal. 7-1/2% DI HCL across interval to be perforated. POOH w/tubing.
9. Perforate PC as per G.E. recommendation w/2 JSPF.
10. Break down perfs and establish rate w/2% KCL water. Shut down and record ISIP. Acidize PC perfs w/ 40 gal per perf'd foot weighted 15% HCL and 25% excess ball sealers.
11. Roundtrip junkbasket on W.L. Load 5-1/2" x 3-1/2" annulus w/corrosion inhibited water and P.T. to 500 psi.
12. Frac the PC down casing w/70% Quality foamed 2% KCL water w/20# gel/1000 gal. Use attached graph for frac design. Call Denver to confirm volumes and rate. Maximum injection pressure = 2500 psi.
13. Shut in 2 hrs. and FTCU overnight through 1/2" tapped bull plug.
14. RIH w/1-1/4" tubing w/SN 1 jt off bottom. CO to PBTD w/foam. Land tubing @ \pm bottom of PC perfs. NDBOP. NUWH.
15. Kick well around w/N₂. RDMOSU. FTCU.