

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. LEASE DESIGNATION AND SERIAL NO.

SF-078497A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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

JAN 24 1986

1. OIL ☐ GAS ☒ OTHER

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155 BUREAU OF LAND MANAGEMENT

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

1850' FSL, 990' FWL

7. UNIT AGREEMENT NAME

San Juan 28-7 Unit

8. FARM OR LEASE NAME

9. WELL NO.

30

10. FIELD AND POOL, OR WILDCAT

Blanco Mesaverde

11. SEC., T., R., E., OR S.E. AND
SUBDIVISION OR AREA

Sec. 18, T28N-R7W

12. COUNTY OR PARISH

13. STATE

Rio Arriba

NM

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANE

(Other) Case - Restimulate

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 case and re-stimulate according to the attached detailed procedure..

RECEIVED
JAN 28 1986
OIL CON. DIV.
DIST. 2

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

SIGNED

Scott McKinnis

TITLE Senior Regulatory Analyst

DATE 1-21-86

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

JAN 27 1986

M. MILLENBACH
AREA MANAGER

*See Instructions on Reverse Side

NMOCC

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES: (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations. (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2). (3) Analyze future applications to drill or modify operations in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

LEASE San Juan 28-7 Unit
WELL NO. 30

CASING:

9 5/8 "OD, 25.4 LB, ARMCO SPRIAL WELD CSG.W/ 125 SX

TOC @ surf . HOLE SIZE 13 3/4 DT: 5/23/55

REMARKS PT to 500 PSI for 30 min.

7 "OD, 20 & 23B, J-55 CSG.W/ 500 SX

TOC @ 2509 . HOLE SIZE 8 3/4 DT: 6/4/55

REMARKS PT to 1000 PSI for 30 min

"OD, _____ LB, _____ CSG.W/ _____ DT: _____ SX

TOC @ _____ . HOLE SIZE _____ DATE _____

REMARKS _____

TUBING:

2 3/8 "OD, 4.7 LB, J-55 GRADE, 8 RD, EUE CPLG

LANDED @ 5722 . SN, PACKER, ETC. _____

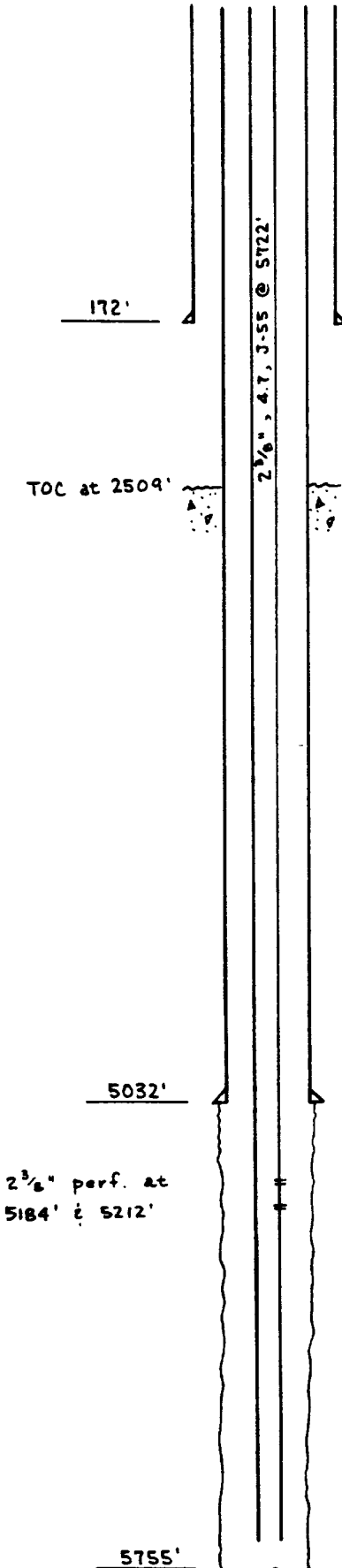
"OD, _____ LB, _____ GRADE, _____ RD, _____ CPLG

LANDED @ _____ . SN, PACKER, ETC. _____

PUMP _____ RODS _____ ANCHOR _____

DETAILED PROCEDURE:

1. Prepare location by blading and installing anchors, if necessary. Install blowdown lines and blow well down.
2. MIRUSU. Kill tbg w/1% KCL water.
3. NDWH. NU 6" 3000 psi BOPE.
4. POOH laying down tubing. Visually inspect tbg on trip out. Note: If tbg is stuck, do not pull over 40K# as tbg may be in very poor condition RIH w/ jet cutter and attempt first shot at least 100 ' below the 7" csg shoe.



5. Set Baker cement retainer at 4832' (approx. 200' above the 7" csg shoe.) PU stinger, crossover, 2-7/8" drill pipe and TIH. Fill hole and PT BS to 1000 psi.
6. Squeeze open hole w/300 sxs Class B w/1% CaCl₂ (sidetrack plug). Sting out and reverse tbg clean. TOOH and LD stinger.
7. NDBOP and tbghd, NU 11"-2M x 11"-2M casing spool and BOPE. PT stack, blind and pipe rams to 1000 psi.
8. TIH w/6-1/4" bit and drill collars. Unload hole w/N₂. Drill out cement retainer, and dress off open hole plug to 15' below the 7" csg shoe. Blow hole clean and TOOH.
9. RU to drill w/gas. PU knuckle joint kick-off assembly. TIH. Survey as needed, make kickoff and angle building run.
10. Open hole to 6-1/4". Drill to TD w/air or foam. POOH for logs.
11. RUWL and run GR-DIL and GR-CDL-Caliper over entire open hole. TIH to TD, blow hole clean, POOH laying down, and RU to run csg.
12. Run 4-1/2" 10.5# K-55 STC csg as a long string as follows: guide shoe, float collar one jt up with 3 centralizers.
13. Cement as follows: Precede cement w/10 BBLS mud flush. Cement 4-1/2" in place using sufficient volume of 50:50 pozmix + 1/4# /sx flocele to raise cement to $\pm$ 2500'.
14. Set slips w/full csg weight. NDBOP and cut off 4-1/2" csg. NU tubinghead.
15. Load BS w/corrosion inhibited water and PT to 1000 psi. RDMORT.
16. MIRUSU. NUBOPE.
17. PU 3-7/8" bit, csg scraper, 2-3/8" 4.7# J-55 EUE 8 rd tbg and tally in hole. Roll hole w/ 1% KCL water. PT csg to 3500 psi.
18. Spot a sufficient quantity of 7-1/2% DI HCL to cover the perforated interval + 200'. POOH. LD bit and scraper.
19. RUWL. Run GR-CCL fr PBTD to 150' above the highest pay. Perf the Lower Mesaverde under lubricator from the top interval down using a 3-1/8" hollow carrier csg gun loaded 2 JSPF @ 120° phasing.
20. Acidize down csg w/20 gal per perf of 15% wgt'd HCL containing 600# NaCl/1000 gal & 1.5 l.l SG RCN ball sealers per perforation. Displace at maximum rate w/MSP less than 3500 psi.

21. RIH w/junk basket on WL to recover ball slrs.
22. RU & frac Lower Mesaverde w/slickwater containing 1% KCL, 15#/1000 gal friction reducer & 2500#/ft 20/40 sand @ 1 BPM/perf; fluid/sand design below. Flush to 10 BBLS shy of top perf & close blind rams ASAP.
23. RUWL and RIH w/Baker 4-1/2" RBP. Set approx. 50' above top perf. Dump 2 sx frac sand on RBP, load csg w/1% KCL water. PT RBP to 3500 psi.
24. TIH w/2-3/8" tbg to approx 10' above the RBP and spot a sufficient quantity of 7-1/2% DI HCL to cover the top perf + 200'. POOH.
25. RUWL. Perforate the Upper Mesaverde under lubricator from the top interval down using a 3-1/8" hollow carrier csg gun loaded w/2 JSPF @ 120° phasing.
26. Acidize down csg w/20 gal per perf of 15% wgt'd HCL containing 600# NaCl/1000 gal & 1.5 l.l SG RCN ball sealers per perforation. Displace at max rate w/MSP less than 3500 psi.
27. RIH w/junk basket on wireline to recover ball sealers.
28. RU and frac Upper Mesaverde w/slickwater containing 1% KCL, 15#/1000/friction reducer, and 2500#/ft 20/40 sand @ 1 BPM/perf; fluid/sand design below. Flush to 10 BBLS shy of top perf. Shut blind rams ASAP.
29. Retrieve RBP.
30. TIH w/2-3/8" production string w/ pump out plug on bottom and SN 1 jt up.
31. CO to PBTD w/nitrogen foam. PU and set bottom of tbg within 20' of lowest perforation. Land tbg and NUWH.
32. Kick well around w/nitrogen and FTCU.
33. RDMOSU.

MESAVERDE FRAC DESIGN:

1. 2500# 20/40 sand per ft net pay.
2. 2 BPM per ft net pay
3. Fluid to contain 1% KCL, 15#/1000 gal friction reducer.
4. Schedule
30% pad
1 csg volume @ 1/2 ppg 20/40 sand
1 csg volume @ 1 ppg 20/40 sand
1 csg volume @ 1-1/2 ppg 20/40 sand
Remains @ 2 ppg 20/40 sd