

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.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF-078500-4
2. NAME OF OPERATOR Tenneco Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 3249, Englewood, CO 80155		7. UNIT AGREEMENT NAME San Juan Unit 28-7
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1680' FSL, 850' FWL		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO. 32
15. ELEVATIONS (Show whether OF, FT, GS, etc.) 6326' GL		10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde
BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 19, T28N R7W
		12. COUNTY OR PARISH Rio Arriba
		13. STATE NM

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DEC 16 1985

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

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☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETION

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other) plug off, sidetrack

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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(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 plug off, sidetrack and refrac the existing zone according to the attached detailed procedure.

RECEIVED
DEC 20 1985
OIL CON. DIV.
DIST. 3

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

SIGNED

Scott M. King

TITLE Senior Regulatory Analyst

DATE 12/10/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

NMOCC

630 /
LEASE San Juan 28-7
WELL NO. 32

CASING:

9 5/8 "OD, 25.4 LB, _____ CSG.W/ 125 _____ SX

TOC @ surf . HOLE SIZE _____ DATE: 4/30/55

REMARKS PT to 500 psi for 30 min ok

7 "OD, 20&23 LB, _____ CSG.W/ 500 _____ SX

TOC @ 1360 . HOLE SIZE _____ DATE: 5/10/55

REMARKS PT to 1000 PSI for 30 min ok

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

TOC @ _____ . HOLE SIZE _____ DATE _____

REMARKS _____

TUBING:

2 3/8 "OD, 4.7 LB, _____ GRADE, _____ RD, _____ CPLG

LANDED @ 5154 . 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 tbq w/1% KCL water.
3. NDWH. NU 6" 3000 psi BOPE.
4. POOH laying down tubing. Visually inspect tbq on trip out. Note: If tbq is stuck, do not pull over 40K# as tbq may be in very poor condition RIH w/ jet cutter and attempt first shot at least 100 ' below the 7" csg shoe.

2 3/8" , 4.7 #/FT @ 5154'

172'

4482'

5220'

5. Set Baker cement retainer at 4280' (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 on following page. 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