

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE\*  
(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  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 requirements.\*  
See also space 17 below.)  
At surface

1090' FSL, 890' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DT, ST, GR, etc.)  
6741' GL

RECEIVED

DEC 16 1985

5. LEASE DESIGNATION AND SERIAL NO.  
SF-078415

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Roelofs LS

9. WELL NO.  
3

10. FIELD AND POOL, OR WILDCAT  
Blanco MV

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 15, T29N R8W

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:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(Other) sidetrack

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

RECEIVED  
DEC 19 1985  
OIL CON. DIV.  
DIST. 3

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

SIGNED [Signature] TITLE Senior Regulatory Analyst

DATE 12/10/85

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

NMOCC

4418/3

LEASE ROELOFS LS

WELL NO. 3

170'

CASING:

9 5/8" OD, 25.4 LB. <sup>SPRAL</sup> WELD CSG. W/ 150 SX

TOC @ SURF. HOLE SIZE          DATE 2-4-53

REMARKS         

7" OD, 23 LB,          CSG. W/ 300 SX

TOC @ 3390'. HOLE SIZE          DATE 3-9-53

REMARKS TOC BY TEMP. SURVEY

TUBING:

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

LANDED @ 4910'. SN, PACKER, ETC.         

4925'

2 3/8" 4.7 #/FT @ 4910'

5773'

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 4725' (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% CaCl<sub>2</sub> (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/N<sub>2</sub>. 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 ± 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 PBSD 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 1.1 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 PBDT 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