

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**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 Form 9-331-C 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. See space 17 below.)  
AT SURFACE: 1060' FSL, 1680' FEL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐  
(other) \_\_\_\_\_

SUBSEQUENT REPORT OF:

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☐  
☐  
☐  
☐  
☐

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MAR 29 1984

NOTE: Report results of multiple completion or zone change on Form 9-330.)  
BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA

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 request permission to dual the above referenced well by re-completing in the Fruitland Coal Formation to the attached detailed procedure.

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OIL CON. DIV.  
DIST. 3

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED John McKinney TITLE Sr. Prod. Analyst DATE 3/22/84

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

AG

\*See Instructions on Reverse Side

NMOCC

APPROVED

MAR 29 1984  
M. MILLENBACH  
AREA MANAGER

2665

LEASE FloranceWELL NO. 48A9-5/8 "OD, 36 LB, K-55 CSG.W/225 SXTOC @ Surface7 "OD, 23 LB, K-55 CSG.W/425 SXTOC @ Surface4-1/2 "OD, 10.5 LB, K-55 CSG.W/265 SXTOC @ T.O.L.DETAILED PROCEDURE:

1. MIRUSU. Kill Mesaverde w/1% KCl wtr. NDWH. NUBOP.
2. Check PBD. <sup>POOH</sup> CO, if necessary. POOH w/tbg.
3. Run GR/neutron log from surface <sup>CSG</sup> to T.O.L. (telecopy results to Denver).
4. RIH w/7" Model "D" pkr w/expendable plug on W.L. set, @ 3000' ± (exact depth determined from log run).
5. PT csg & pkr to 3000 psi. Dump 2 sx sand on top. *Change out wellhead.*
6. Perforate Fruitland Coal w/1 JSPF using 4" csg gun & premium jets in following intervals:  
2975-2986, 2948-2965 (31' total).

Note: These intervals are based on offset logs, actual depths will depend on results of log run.

7. RIH w/tbg & 7" pkr & S.N. Set @ 2900' ±.
8. Establish rate w/1% KCl wtr, then acidize perfs w/800 gal 15% HCl nitrified w/500 scf/bbl.
9. FTCU thru 1/2" tapped bull plug. Swab in if necessary. Test well.
10. POOH w/tbg & pkr.
11. Frac well down csg if necessary w/70% quality foamed N<sub>2</sub> w/30# gel. Pump @ 20 BPM w/max STP = 3000 psi as follows:  
8,000 gal PAD  
3,000 gal 1 ppg 20/40  
5,000 gal 2 ppg 20/40  
8,000 gal 3 ppg 20/40  
10,000 gal 4 ppg 20/40  
Total volumes 34,000 gal foam & 77,000 # sd.
12. SI for 2 hrs, then FTCU overnight thru 1/2" tapped bull plug. ~~POOH~~ RIH w/tbg. <sup>POOH</sup> C.O. TEST WELL
13. RIH w/wireline set - Tbg RBP set @ 2938'.  
(Exact depth to be determined from log.)
14. PT. BP to 3000 psi. Then dump 2 sx sd on top.
15. Perforate Upper Coal 1 JSPF using 4" csg gun & premium charges in the following intervals:  
2906-2916, 2866-2898, 2892-2854 (54' total).
16. RIH w/tbg, 7" pkr & S.N. Set @ 2800' ±.
17. Establish rate w/1% KCl wtr, then acidize Upper Coal w/1400 gal 15% HCl, nitrify w/500 scf/bbl.
18. FTCU thru 1/2" tapped bull plug. Swab in if necessary. Test well.
19. POOH w/tbg & pkr.
20. If necessary, frac upper Coal down csg using 70% quality foamed N<sub>2</sub> w/30 # gel. Pump @ 20 BPM w/max STP = 3000 psi as follows:  
15,000 gal PAD  
7,000 gal 1 PPG 20/40  
8,000 gal 2 ppg 20/40  
10,000 gal 3 ppg 20/40  
12,000 gal 4 ppg 20/40  
Total volumes 52,000 gal foam & 101,000# sd.

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ON CON. DIV.  
DIST. 3

2 1/2" TBG @ 5392 w/34.

T.O.L. = 3123

4780

5822

6112

5392

PBD = 5473

MESAVERT PERFS

5276

5516

2665

LEASE Florance

WELL NO. 48A

9-5/8 "OD, 36 LB, K-55 CSG.W/225 SX

TOC @ Surface

7 "OD, 23 LB, K-55 CSG.W/425 SX

TOC @ Surface

4-1/2 "OD, 10.5 LB, K-55 CSG.W/265 SX

TOC @ T.O.L.

DETAILED PROCEDURE:

-2-

21. SI for 2 hrs. Then FTCU thru 1/2" tapped bull plug overnight.
22. RIH w/tbg & retrieving head. <sup>Test</sup> Co to BP @ 2938' w/foam. Release & POOH w/BP.
23. RIH w/2-3/8" long string w/seal assy, blast jts., S.N. & pmp-thru expendable check. CO to Model "D", knock out pkr plug. Land tbg @ 5398' ±.
24. RIH w/2-3/8" short string w/S.N. & pmp-out plug in orange-peeled perf'd sub. Land @ 2950'.
25. Drop ball & pmp out long string plug. Return MV to prod. <sup>Sub if necessary</sup>
26. Pump out short string plug, kick around w/N<sub>2</sub>.
27. Flow Coal to clean up, then shut in for AOF.
28. Run rods & install pumping unit if Coal is wet.

