

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 ☐ gas ☒ 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: 970' FSL 870' FWL "M"
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

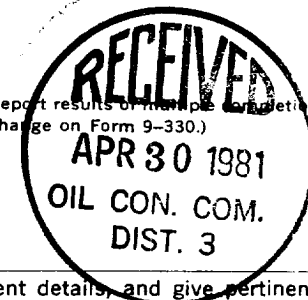
TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☒
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☐
☐
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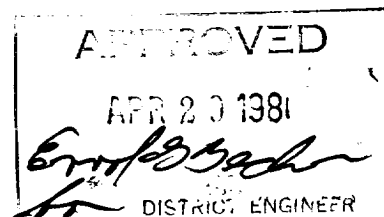
5. LEASE
SF-080245
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
~~Hamer~~ Hamner
9. WELL NO.
3E
10. FIELD OR WILDCAT NAME
Basin Dakota
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 29 T29N R9W
12. COUNTY OR PARISH
San Juan
13. STATE
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
5761' gr.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)



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 proposes to complete this well in the Chacra as well as the Dakota per the attached detailed procedure.



Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED [Signature] TITLE Asst.Div.Adm.Mgr. DATE 4-23-81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

al 3-

NMOCC

LEASE Hamner
WELL NO. 3E

9 5/8" OD, 36 LB, K-55 CSG W/ 250 SX
TOC @ Surface

7" OD 23 LB, K-55 CSG W/ 650 SX
TOC @ Lst Rtns.

4 1/2" OD, 10.5&11.6 LB, K-55 CSG W/ 510 SX
TOC @ 2527 R/o 5bbls cmt.

283

2527
2700

3105
Chacra
3234

6484
Dakota
6631

6658

1. MIRUSU. Install BOP.
 2. DO to w/10' of shoe.
 3. Test csg to 3500 psi.
 4. Circulate hole w/1% KCL water. Spot 500 gals 7 1/2% HCL @ 6331.
 5. POOH w/tbg.
 6. Run GR/CCL.
 7. Perforate Dakota as follows w/3-1/8" premium charge csg gun using 2 jspf:
6484-6491
6535-6556
6594-6598
6603-6607
6623-6631
Total of 44' or 88 holes.
 8. Establish rate w/1% KCL water.
 9. Acidize w/1800 gals 15% weighted HCL and 132 1.1 S.G. ball sealers down casing.
 10. Roundtrip junk basket to PBTD.
 11. Frac w/30# cross-linked gel in 1% KCL water as follows:
10,000 gal pad
10,000 gal w/1 ppg 20/40 sd
15,000 gal w/2 ppg 20/40 sd
5,000 gal w/2 ppg 10/20 sd
10,000 gal pad w/44 balls
10,000 gal w/1 ppg 20/40 sd
15,000 gal w/2 ppg 20/40 sd
5,000 gal w/3 ppg 10/20 sd
Run RA SD thruout 2nd stage
1 millicurie/3000#
Total of 18 millicuries
- Flush to top perf. Desired pressure = 3000 psi.
Total sand: 80,000# 20/40.
25,000# 10/20.
Total gel: 80,000 gal.
12. SI overnight.
 13. RIH w/tbg, SN & pump out plug.
 14. CO to PBTD w/foam.
 15. Land tbg. Tbg just above top of perfs. Run GR log.
 16. Kick well around w/N₂.
 17. Flow until clean-up.

LEASE Hammer

WELL NO. 3E

9 5/8 "OD, 36 LB, K-55 CSC.W/ 250 SX

TOC @ surface

7" OD, 23 LB, K-55 Csg w/ 650 sx

TOC @ Lst Rtns.

4 1/2 "OD, 10.5, 11.6 LB, K-55 CSC.W/ 510 SX

TOC @ 2527 R/o 5 bbls cmt.

DETAILED PROCEDURE

18. Kill DK w/1% KCL wtr. Check PBD. C/O if necessary. POOH.
19. Set Model F packer w/expandable plug @6460 on W/L.
20. Drop 1sx sand on packer.
21. Fill hole w/2% KCL wtr and pressure test to 3000 psi.
22. Perf. Chacra using 3 1/8" premium charge csg gun w/2 jspf as follows:
3105 - 3110
3127 - 3134
3208 - 3234
Total of 38' or 76 holes
23. RIH w/tbg and 4 1/2" retrievable packer set @ 3050'.
24. Acidize Chacra w/1600 gals weighted 15% HCL and 114-1.1 S.G. balls down tbg.
25. Release packer. Knock balls off. Blow hole dry W/N₂. POOH.
25. Frac Chacra down csg w/70 quality foamed 2% KCL as follows:
20,000 Gal pad
3105 10,000 gal w/1/2 ppg 20/40 sd
10,000 gal w/1 ppg 20/40 sd
Chacra 10,000 gal w/1 1/2 ppg 20/40 sd
3234 25,000 gal w/2 ppg 20/40 sd
Flush to top perf w/foam
Total 80,000# 20/40 sd
75,000 gal foam
27. Flow to clean up thru 1/2" choke and test rate.
28. Kill Chacra with 2% KCL wtr.
29. RIH w/muleshoe, production tube, seal assy, sliding sleeve, F-nipple and retrievable pump thru plug on 2 3/8" tbg and blast joints. Position seal assy and blast jts as required for Chacra.
30. Clean sand off Model F w/foam. Kick Chacra off w/N₂ land long string.
31. NDBOP and NUWH. Retrieve tbg plug.
32. Swab in Dakota.
33. Flow to cleanup.
34. SI for AOF.

283

2527

2700

6484

Dakota

6631

6658