

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
720 S. Colo. Blvd., Denver, CO 80222

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
835'FWL & 980'FNL Unit D
AT SURFACE:
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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☐
☐
☐

recomplete

5. LEASE
09-000110

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Dulce, NM

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Jicarilla "A"

9. WELL NO.
9

10. FIELD OR WILDCAT NAME
Mesaverde/Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 20; T26N; R5W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6695'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.)*

Recomplete from Gallup into Mesaverde & Chacra according to procedure prescribed on attached well bore schematic. Rec'd verbal approval from James Sims 9/4/80. Request cancellation of plug and abandon request.

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

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

SIGNED Carly Matton TITLE Asst. Div. Admin. Manager

DATE 9/11/80

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE

APPROVED

NMOCC

*See Instructions on Reverse Side

SEP 24 1980
JAMES F. SIMS

DISTRICT OIL & GAS SUPERVISOR

LEASE Gibsonville "B"

WELL NO. 9

8 5/8 "OD, 32 LB, K-55 CSG.W/ 225 SX

TOC @ -

4 1/2 "OD, 10.5 LB, K-55 CSG.W/ 325/500 SX

TOC @ 5707'?

DETAILED PROCEDURE

- 1) Clean location. Dig pit. Install Blewby line. Blowdown well
- 2) MURUSU. Remove wellhead. Install BOP.
- 3) Release Lok-set pkr @ 6562 & POOH w/tbg.
- 4) RIH w/Baker Model K cement retainer on 2 3/8" tbg. Set retainer @ -5600'.
- 5) Test tbg to 2000 psi. Squeeze Gallup w/150 sx neat G cement. Displace cement only to retainer if no squeeze is obtained.
- 6) Sting out of retainer. Reverse out any excess cement. Circulate hole w/1% KCL water. Pull tbg to 5270'.
- 7) Test csg to 2500 psi. *Spt 500 gal 7 1/2% DI HCL. POOH w/tbg.*
- 8) Run GR-CCL-CBL from 5400' to 3400'. Check quality of bonding over proposed perforations.
- 9) Perforate Mesaverde w/3 1/8" csg gun using 2 jsps as follows:

5268-70	2'	5258-60	2'
5238-51	13'	5234-35	1'
5200-01	1'	5118-19	1'
5066-67	1'	Total 21', 42 holes	
- 10) Acidize w/1000 gal 15% HCL & 63 balls.
- 11) Round trip junk basket to 5300'.
- 12) Frac Mesaverde w/1% KCL water containing friction reducer and 20/40 sand as follows:

400 BW PAD	
150 BW @ 1/2	PPG 20/40 sand
150 BW @ 1	PPG 20/40 sand
150 BW @ 1 1/2	PPG 20/40 sand
400 BW @ 2	PPG 20/40 sand
80 BW flush	
Total Sand - 52,500#	
Total Water - 1,330 Barrels	
Desired Rate - 65 BPM	
- 13) RIH w/tbg, S/N & pump out plug. Check FBTD.
- 14) Land tbg @ - 5000'.
- 15) Kick well around w/nitrogen.
- 16) Flow to cleanup and test.
- 17) If Mesaverde is unproductive:
 - a. Kill w/water if necessary. POOH w/tbg.
 - b. RIH & set retainer @ 4800'.
 - c. Squeeze w/150 sx Class G cement. Sting out of retainer
 - d. Circulate hole w/2% KCL water.
 - e. POOH w/tbg. Fill hole. Pressure test to 3000 psi.
- If Mesaverde is productive:
 - a. Kill well w/2% KCL water. Check FBTD.
 - b. POOH w/tbg.
 - c. Set Model F pkr w/expendable plug @ - 4950'. Dump 1 sx sand.
 - d. Fill hole w/2% KCL water.
 - e. Pressure test to 3000 psi.

276'

DV Tool
@ 5707'

208 Jts
2-3/8
EUE +
Lok-Set
Pkr
@ 6562'

Perf'd
6710-6739
w/1 SPF
3-3/8"
Hyperjet
II

FBTD
6798'

6643'

- 18) Perforate Chacra w/3 1/8" csg gun using 2 jspf as follows:
4004-14 10'
3935-36 1'
3923-27 4' Total 15', 30 holes.
- 19) RIH w/pkr & 2 3/8" tbg. Hang pkr @ 3975'.
Spot 250 gal 15% HCL into annulus.
- 20) Breakdown & acidize perfs @ 3935-3923' down annulus.
- 21) Acidize perfs @ 4004-14 down tbg w/500 gal 15% HCL and 30 balls.
- 22) RIH to knock balls off perfs. POOH w/pkr.
- 23) Frac Chacra down csg w/70 quality foam and 20/40 sand as follows:
20,000 gal PAD
10,000 gal @ 1/2 FPG 20/40 sand
10,000 gal @ 1 FPG 20/40 sand
10,000 gal @ 1.5 FPG 20/40 sand
25,000 gal @ 2 FPG 20/40 sand
2,600 gal Flush
Totals: 23,280 gal 2% KCL water
80,000# 20/40 sand
77,600 gal foam
- 24) Flow back well through 1/2" tapped bull plug after frac trucks leave location.
- 25) Kill well w/2% KCL water.
- 26) Land production string as directed.
- 27) Flow to clean up.
- 28) Shut-in for AOP.