

RECOMPLETION PROCEDURE
FIELDS 3

DEC. 30, 1992 (ORIGINAL VERSION)

1. Record TP, SICP, and SIBHP.
2. MIRUSU.
3. Blow down well.
4. Install BOP.
5. TOH with 2 3/8" tubing.
6. TIH with CIBP and set at 7400'. Cap with 5 sacks of cement.
7. Pressure test casing to 3500 psi.
8. Make a scraper run inside the 4 1/2" liner to 7400'.
9. Run a GR/CCL/CBL from 5000' to surface while holding 1000 psi, and determine TOC for both the 4 1/2" liner and the 7" casing. Relay CBL info to Paul Edwards in Denver, and verify whether squeeze work will be necessary prior to the second MV fracture treatment.
10. Swab fluid level down to 4800'.
11. Correlate the GR/CCL/CBL with Gearhart's Induction/GR Log dated 11/25/80. TIH with 3 3/8" casing gun and perforate the following MV intervals with 2 JSPF, 90 deg. phasing and 15 g charges.

PERFORATE

5338' - 54' 5367' - 5404' 5414' - 16' 5434' - 42'

12. Fracture stimulate these perfs according to the attached Frac Schedule 'A'.
13. TIH with RBP and set at 5000'. Cap with 5 sacks of sand.
14. TIH with 3 3/8" casing gun and perforate 4 squeeze holes at ????. The depth of the squeeze perfs will depend on the results of the CBL from step 8, check with Paul Edwards.
15. TIH with retainer and set 500' above the squeeze perfs.
16. Establish circulation between squeeze perfs and liner top. Using a dye calculate annular volume behind liner.
17. Pump 200% of calculated annular volume of cement through retainer.
18. TOH with tubing. WOC.
19. Drill out retainer and cement to RBP at 5000'.
20. Run a CBL from 5000' to 3436'. Determine TOC, contact Paul Edwards if TOC is not above 4600'.
21. Swab fluid level down to 4000'.
22. TIH with 3 3/8" casing gun and perforate the following MV intervals with 2 JSPF, 90 deg. phasing, and 15 g charges.

PERFORATE

4712' - 17' 4886' - 92' 4921' - 23'
4720' - 25' 4898' - 4911' 4927' - 39'
4810' - 31' 4915' - 18' 4942' - 61'

23. Fracture stimulate these upper perfs according to the attached Frac Schedule 'B'.
24. Open well slowly 4 hours after the frac. Flow back overnight.
25. Clean out with N2 to RBP and TOH with same.
26. Clean out sand to PBTD (7400') with N2.
27. TIH with RBP and set at 3400' inside 7" casing, cap with 5 sacks of sand.
28. Perforate 2 squeeze holes within 100' of the TOC in the 7" casing.

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29. Conduct cement squeezes until cement is brought to surface. Run CBLs, shoot additional squeeze perfs, and contact Paul Edwards as necessary.
30. TOH with RBP set at 3400'.
31. Land tubing at 5450' with a seating nipple one joint off of bottom and continue to flow back load until well is capable of producing against 350 psi.
32. Tie well back into surface equipment and turn over to production.