

## Fields Com #4E Recompletion Procedure

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### Procedure:

Note: The 7" casing was set near the bottom of the Menefee. A GR/TDT log will be run to determine the perforation interval and number of frac stages.

1. Check anchors. MIRU.
  2. Check and record tubing, casing, and bradenhead pressures.
  3. Blow down well. If necessary, kill with 2% KCL water.
  4. Nipple down WH. NU BOPs. Pressure test to 500 psi.
  5. Tally OH with 2-3/8" production tubing set at 7650'.
  6. TIH with bit and scraper for 4-1/2" casing to 5800'.
  7. TIH with tubing-set CIBP. Set CIBP at 7510'.
  8. Load hole with 2% KCL and spot 100' cement plug from 7410' - 7510'. TOH to 6175'.  
Spot 100' cement plug from 6075' - 6175' across Gallup formation. Use 50% excess cement for balanced plug. TOH.
  9. RU WL. Run CBL over MV interval (4500' - 5750') to ensure zonal isolation across the MV.
  10. Run GR/TDT log over MV interval (4500' - 5750') to determine perforation interval.
  11. RIH with CIBP. Set CIBP at 5750'.
  12. Pressure test casing to 1500 psi.
  13. RIH with 3-1/8" casing guns with Schlumberger's Prospector, select-fire charge. Perforate Menefee/Point Lookout formations.
- Note: Perforations and number of frac stages will be determined after logging results are obtained.
14. RU frac equipment and install wellhead isolation tool. Use 2% KCL/N2 foam in fracture stimulation.
  15. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule.