

**NOTE:**

1. All cement slurry used in this procedure shall be Class "C" neat cement mixed @ 14.8 PPG.
  2. All mud shall be a salt gel mud consisting of 10 ppg brine w/25 pounds of gel per bbl.
  3. Call Jerry Hoover @ (915) 686-6548 in the Midland office prior to MIRU to ensure there is regulatory approval.
  4. Notify BLM prior to commencing any work.
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1. MIRU. Kill well w/ 9 lb. brine if necessary.
  2. POOH w/ rods and pump.
  3. NU BOP.
  4. Tag for fill w/ 2-3/8" tubing and tally out of hole.
  5. PU & RIH W/ 5-1/2" cement retainer on 2-3/8" tubing. Set the retainer @ 3,600'.
  6. Squeeze perforations with 75 sacks of Class "C" neat cement. (Plug No. 1). Displace cement thru retainer. Sting out of retainer and place excess cement on top of retainer. PUH w/ 2-3/8" tubing. WOC 4 hours.
  7. Run down hole w/ 2-3/8" tubing and tag top of cement.
  8. Load casing w/ +/- 88 bbls of salt gel mud consisting of 10 ppg brine w/ 25 pounds of gel per bbl.
  9. PUH to 1,600' w/ 2-3/8" tubing. Spot cement plug across the top of the salt section by Pumping 25 sacks of Class "C" neat cement but not less than 100' of plug. (Plug No. 2). Displace w/ 4.5 bbls of 10 ppg PA mud.
  10. PUH w/ 2 3/8" tubing and WOC for 4 hours. Run down hole w/ tubing and tag top of cement. POOH.
  11. RU perforators. PU & RIH with 4" perforating gun and perforate 4 JSPF at 412'. POOH with perforating gun.
  12. RIH w/ 2-3/8" tubing to +/- 410'. Attempt to establish circulation up the casing/casing annulus w/ produced water.
  13. Pump 100 sacks of Class "C" neat cement. (Plug No. 3). Displace cement to fill at least 100' of the 5-1/2" casing and circulate cement up the casing/casing annulus. If circulation of the cement is not obtained pump cement down the casing/casing annulus to fill. POOH w/ tubing and WOC for 4 hours.
  14. RIH w/tubing and tag top of cement. POOH.
  15. Cut off all casing strings at the base of cellar or 3' below final restored ground level (whichever is deeper).
  16. Fill casing from cement plug to 50' w/ suitable material (cement, sand, gravel, etc.).
  17. Fill the remaining casing from 50' to surface with cement.
  18. Cover wellbore w/ a metal plate at least 1/4" thick, welded in place or a cement cap extending at least 12" beyond the 8-5/8" surface casing and at least 4" thick.
  19. Erect abandonment marker w/ at least 4" pipe and 10' long. Embed the marker in cement w/ 4" above the ground.
  20. Marker must be capped and inscribed with the following well information:  
  
South Eunice Unit No. 21  
Unit L Sec 22, T-22S, R-36E  
Lea County, NM  
Date
  21. Cut off deadman anchors below the ground and remove markers.
  22. Fill in cellar and workover pit.
  23. Remove all equipment not in use.
  24. Clean and restore location to its natural condition. Reseed according to BLM requirements.
  25. Send a copy of well servicing report to Bill Keathly in Midland so the proper forms can be filed.