

- E. PU and TIH w/4-5/8" overshot, 3-3/4" bumper sub and jars, 6 3-1/2" drill collars, and 2-7/8" workstring. Latch on tubing and jar packer loose. POOH laying down tools and packer.
- F. PU and TIH w/4-3/4" bit, 5-1/2" casing scraper, and 2-7/8" workstring to 3000'. POOH.

2. Pump bottom cement plugs:

- A. MIRU cement services.
- B. GIH w/5-1/2" cement retainer, setting tool, and WS. Set cement retainer @ 2970'.
  - 1. Test tubing to 1000 psi.
  - 2. Sting out of retainer and circulate hole with 65 bbls mud. Test casing to 500 psi.
  - 3. Sting back into retainer. Establish pump-in rate.
- C. Pump 75 sx cement to fill up 5-1/2" casing and open hole from 2970' to 3575'. Maximum surface pressure is 1000 psi.
- D. Sting out of retainer and spot 25 sx of cement on top from 2970' to 2720'. Displace cement in tubing with 15 bbls mud.
- E. POOH laying down WS to 1800'. Load hole with 2 bbls mud.
- F. Pump 15 sx cement and displace with 9 bbls mud to spot plug across top of salt from 1800' to 1650'.
- G. POOH laying down WS to 385'.

3. Circulate cement and set surface plug in 5-1/2" casing:

- A. Close BOP. Pump 3 bbls mud to load hole and establish circulation out 5-1/2" annulus.
- B. Pump 35 sx cement to fill up 2-7/8" WS and 5-1/2" annulus.
- C. POOH laying down WS. Pump 10 sx additional cement to fill up 5-1/2" casing to the surface.
- D. RD cement services.

4. Prepare surface location for abandonment:

- A. ND BOP and cut off all casing strings at the base of the cellar or 3' below the final restored ground level (whichever is deeper). RDMO pulling unit.
- B. Fill the casing strings (if necessary) from the cement plug to surface with cement.
- C. Cover the wellbore with a metal plate at least 1/4" thick, welded in place, or a cement cap extending radially at least 12" beyond the 10-3/4" casing and at least 4" thick.
- D. Erect an abandonment marker according to the following specifications:
  - 1. Marker must be at least 4" diameter pipe, 10' long with 4' above restored ground level, and embedded in cement.