

5. Circulate cement up intermediate casing and set surface plugs:

- A. MIRU wireline services.
- B. RIH with a 4" casing gun loaded 4 JSPF (120° phase, .4" EHD) and CCL.
- C. Perforate 7" production casing @ 370'. POOH.
- D. GIH w/1 joint 2-7/8" tubing. Close BOP. Pump 15 bbls mud to load hole and establish circulation up 9-5/8" X 7" annulus.
- E. Pump 125 sx cement (16 sx excess) to fill up 9-5/8" X 7" annulus and set surface plug in 7" casing.

Note: If cement does not circulate to surface, pump 25 sx down 9-5/8" X 7" annulus. Do not exceed 1000 psi surface pressure.

- F. POOH with tubing.
- G. Pump 122 sx of cement (16 sx excess) to fill up 13-3/8" X 9-5/8" annulus from surface to 370'. Do not exceed 1000 psi surface pressure.
- H. RD wireline and cement services.

6. 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 13-3/8" 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.
 - 2. Marker must be capped and inscribed with the following well information:

SEMU Britt No. 61
Unit P, Sec. 15, T-20S, R-37E
Lea County, NM
Date

Note: 1/4" metal plate can be welded to marker and then to the casing after the marker is set in cement.