

Meyer B-23 No. 5
Plug and Abandon
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3. Spot cement plug across top of salt:
 - A. Load hole with 4 bbls mud.
 - B. Pump 11 sx cement and displace with 9 bbls mud to spot plug from 1541' to 1650'.
 - C. POOH laying down WS.
4. Circulate cement up surface casing and set surface plug:
 - A. MIRU wireline services.
 - B. RIH with a 4" casing gun loaded 4 JSPF (120 degree phase, .4" EHD, centralized) and CCL.
 - C. Perforate 5-1/2" production casing @ 550'. POOH.
 - D. GIH w/1 joint 2-7/8" tubing. Close BOP. Pump 36 bbls mud to load hole and establish circulation up 8-5/8" x 5-1/2" annulus.
 - E. Pump 160 sx cement (20 sx excess) to fill up 8-5/8" x 5-1/2" annulus and set surface plug in 5-1/2" casing.

Note: If cement does not circulate to surface, pump 25 sx down 8-5/8" x 5-1/2" annulus.

 - F. POOH with tubing.
 - G. RD wireline and cement services.
5. 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 8-5/8" 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:

Meyer B-23 No. 5
Unit P, Sec. 23, T-22S, R-36E
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.