

LAKEWOOD STATE NO. 1
SECTION 25-K, T19S, R27E
EDDY COUNTY, NEW MEXICO

PROCEDURE TO PLUG AND ABANDON

1. MIRU plugging unit. ND wellhead. NU BOP.
2. Release Baker Model "A-3" pkr, TOOH LD pkr.
3. RU wireline. Set CIBP @ 10,100'. Dump 10 sks Class H cmt on CIBP using dump bailer.
4. Strap in open-ended w/ 2-3/8" tbg to PBTD. Circ hole w/ mud laden fluid (9.5 lb/gal and 35 Vis). POOH to 8995'. Spot 10 sks Class H cmt from 8995-8895'. TOOH LD 1400' tbg.
5. TIH w/ freepoint tools for 4-1/2" 11.6# and 13.5# csg and obtain freepoint, (anticipated freepoint at or just above top of Wolfcamp @ 8478'). Then as follows:
 - A. If freepoint is below 3100', cut csg just above freepoint. TOOH LD 4-1/2" csg. TIH w/ 2-3/8" tbg to csg stub. Spot a 100' in and out plug (50' in and 50' out) using 40 sks Class H cmt w/ 2% CaCl. POOH 500'. WOC 4 hrs (minimum). TIH and tag top of cmt. (Respot if necessary). POOH to 5950', spot 100' (40 sk) cmt from 5950-5850'. POOH to 3270', spot 100' (40 sk) cmt from 3270-3170'. POOH to 3050', spot 50 sks Class H cmt w/ 2% CaCl. POOH 500', WOC 4 hrs (minimum). TIH and tag top of cmt. (Cmt top to be at or above 2950', respot if necessary). POOH to 2420'. Continue w/ Step 6.
 - B. If freepoint is above 3100', TIH w/ 2-3/8" tbg to 8528'. Spot 100' (10 sk) cmt from 8528-8428'. POOH 5950', spot 100' (10 sk) cmt from 5950-5850'. POOH to 3270', spot 100' (10 sk) cmt from 3270-3170'. TOOH. Perf squeeze holes in 4-1/2" csg @ 3050'. PU 4-1/2" tension pkr, TIH to 2850', set pkr. Establish rate and pressure. Squeeze w/ 50 sks Class H cmt w/ 2% CaCl and displace to 2900'. Release pkr, TOOH LD pkr. WOC 4 hrs (minimum). TIH and tag top of cmt (top of cmt to be at or above 2950', respot if necessary). TOOH w/ tbg. Cut 4-1/2" csg just above top of cmt. TOOH LD csg. TIH w/ tbg to 2420'. Continue w/ Step 6.
6. Spot 100' (40 sks) cmt from 2420-2320'. POOH to 1525'. Spot 100' (40 sks) cmt from 1525-1425'. POOH to 475', spot 100' (40 sks) cmt from 475-375'. TOOH.