

LAKEWOOD STATE NO. 1
Section 25-K, T19S, R27E
Eddy County, New Mexico

6/1/90
SAK

PROCEDURE TO PLUG AND ABANDON

SM

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 & 35 Vis). TOOH LD 1400' tbg.
5. TIH w/ freepoint tools for 4-1/2" 11.6 and 13.5 csg and obtain freepoint. 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 3050', spot 40 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 475'. Continue w/ step 6.
 - B. If freepoint is above 3100'; 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/ 40 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 475'.
6. Spot 40 sks Class H cmt @ 475'. TOOH.
7. Cut csg 4' below G.L. Spot 10 sk surface plug. Weld plate w/ abandoned well marker on csg stub. Marker to have a minimum diameter of 4" and extend 4' above G.L. The following is to be welded on marker.

Kerr-McGee Corporation
Lakewood State No. 1
Sec. 25-K, T19S, R27E
1980' FSL & 1980' FWL
Lease No. 2857

8. Reclaim location as necessary.

Note: Notify NMOCD at least 24 hrs before operations begin.
(M. B. Williams 505 - 748-1283).