REMEDIAL CEMENTING PROCEDURE
WILL CARY NO. 7
BLINEBRY OIL
1874' FNL & 2086' FWL
SEC. 22, T-22-S, R-37-E
LEA COUNTY, NEW MEXICO

7. Circulate the cement into the perfs as follows:
   (a) Pump 80 sx. Class "C" cement containing .6% Halad-22 and 6# salt/sk. through the perfs at 3440'-41'. (Water Req.: 6.3 gals./sk., Slurry Wt.: 15.4 ppg, Yield: 1.32 cu.ft./sk., Thickening Time: 2 hours).
   (b) Follow the Class "C" Slurry with 50 sx. Class "H" with 6# salt/sk. (Water Req.: 4.3 - 5.2 gals./sk., Slurry Wt.: 17.1 - 16.2 ppg, Yield: 1.06 - 1.18 cu.ft./sk.).
   (c) After the 80 sx. of Class "C" cement is put away, close the Braden-head valve and squeeze the 50 sx. of Class "H" to 500 psi above the pump-in pressure, not to exceed 3000 psi maximum holding 500 psi on tubing-casing annulus. If unable to obtain a squeeze, displace Class "H" cement to the cement retainer, with pumping time not to exceed 1 hour.
   (d) Pull out of cement retainer and reverse out excess cement, and POH w/tubing.
   (e) Proceed to Step 9.

8. (a) Perforate w/2 SPF @ 3100' & 3101' (total of 4 shots) using a 4" casing gun w/Big Hole Burr Free, 20 gm., charges (.76" hole size).
   (b) Attempt to break circulation. If able to circulate, pump 80 sx. Class "C" cement containing .6% Halad-22 and 6# salt/sk. and displace cement to the retainer. If unable to circulate, contact Midland Engineering.
   (c) Pull tubing out of retainer and above upper perforations, reverse out excess cement, and pull tubing.
   (d) Proceed to Step 9.

9. WOC 24 hours. 8-12 hours after pumping, run Worth Well Temperature Survey from 2500' to cement retainer. Relay results to Midland Engineering and to NMOCC.

10. RU reverse equipment and GIH w/bit and drill collars on workstring and drill out retainer and cement test perfs to 1000 psi. If cemented perfs won't hold 1000 psi, contact Midland Engineering.

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August 7, 1975

11. Reverse sand off the RBP, displace the drilling fluids with 2% KCl water with 3 gals. Morflo II per 1000 gals. and pull RBP.

12. Run production equipment and place on production.

MLS:cs
cc: West Area
C. Engleman

6/13/75