

REMEDIAL CEMENTING PROCEDURE

DANGLADE NO. 1
660' FWL, 1980' FSL
SECTION 13, T-22-S, R-37-E
BLINEBRY GAS FIELD
LEA COUNTY, NEW MEXICO

December 17, 1979

Well Data

Elevation:	3341' DF
Casing:	13 3/8" 40# @ 300' 9 5/8 36# @ 2695' 5 1/2" 15.5# @ 6486'
Tubing:	176 Jts 2 3/8", Guiberson K.V. Pkr. @ 5340', Lefthand Safety Jt. on top of Pkr; S.N. @ 5332'
T.D.:	6643'
PBTD:	5605' CIBP
Perfs:	5410'-5595', Perf'd 3815'-16' Squeezed w/275 sx cmt, 8-27-75 TOC @ 2740' (Temp Sur)

Note: NMOCD supervisor must be notified at least 24 hours prior to commencement of operations.

Procedure

1. MIRUPU. Kill well w/2% KCl water containing 1 gal/1000 Morflo II. Install BOP. POH w/Pkr and tubing.
2. GIH w/RBP, Pkr and tubing. Set RBP @ 5200'. Test RBP to 1500 psi. Spot 2 sx sand on RBP. Test csg to 1000 psi. If csg does not hold, procede w/step 10. Otherwise procede w/step 3.
3. RU CRC Western. Perforate 4 holes @ 2675' w/CRC Western Posi Jet 4" carrier gun (standard 19 gm charge, TTP 13.40", E.H.-0.48").
4. GIH w/cmt retainer and tubing. Set RET @ 2625'.
5. RU Halliburton. Mix and pump Class "C" cement until cement circulates. Close casing valve and squeeze last 20 sx (+) cement. Displace cmt w/2% KCl water, leaving + 2 bbls cmt in tubing. Pull out of retainer, reverse excess cmt out of tubing, POH w/tubing. WOC 24 hours. (If cmt does not circulate, RU CRC Western and run temperature survey after POH w/tubing to determine cmt top. Further steps to cement casing will be determined by results of temperature survey). Note: While pumping cement, hold 1000 psi on tubing-casing annulus; hold tubing pressure to 500 psi over pump-in pressure, not to exceed 3000 psi.