

BY

10-31-81 T.D. 5555' Ran 140 jts. 4½" OD, 10.5#, K-55, 8 Rd, ST&C csg.
T.E. 5536' set at 5548' RKB.

Cemented first stage with 10 bbls CW-100 mud flush followed by 50 sx class "B" plus 8% gel with ¼# cello flake per sk followed by 125 sx class "B" with ¼# cello flake per sk. Had good mud returns and reciprocated csg. while cementing. Bumped plug with 1000 psi. Float failed to hold. Left shut in 40 minutes. No flow back. Dropped opening bomb and opened stage tool at 4408'. circulated with rig pump 1-3/4 hrs.

Cemented second stage with 10 bbls CW-100 followed by 450 sx 65-35 plus 12% gel and ¼# cello-flake per sk followed by 100 sx class "B" w/ ¼" cello flake per sk. Total cement slurry both stages 1537 cu.ft.) Good circulation throughout 2nd stage. estimated cement top 500'. Closed stage tool with 1800 psi. Held OK. Job complete 12:00 noon 10-30-81. Nippled down B.O.P. Set 4½" csg. slips. Released rig at 4:00 p.m. 10-30-81.