

cont'g .3% low wtr loss, .2% friction reducer, 5#/sk potassium chloride. BP prematurely w/7 bbls cmt left to displace. Final pump press 4500#. JC @ 7:18 AM 5/21/78. PO of hanger w/ 30,000# over wt to clear cmt in 7-5/8" annulus. POH w/3-1/2" DP. WOC. RIH w/bit, drld cmt 4482-6501', found top of 4-1/2" liner @ 6562'. Press tested csg to 3000# 1 hr, OK. POH w/bit. DO cmt & cmt stringers to 10,850'. Press tested 4-1/2" liner & 7-5/8" csg to 3000# 1 hr OK. Ran GR-CBL 10,844-6400' OK. RIH w/2-3/8" tbg, circ hole w/400 bbls 2% KCL wtr cont'g C-198 inhibitor. POH w/tbg. RIH w/Vann perf gun, firing head, Lok-set pkr, 345 jts 2-3/8" OD EUE tbg. Ran Corr log, set pkr @ 10,645', tstd tbg to 7000# OK. Perf'd 4-1/2" csg opposite Morrow Gas 10,685-10,753' & 10,760-10,765' w/1 JSPF (73 - .50" holes). GTS in 1:55 mins. Flwd well to pit 4-1/2 hrs on 3/4" ck, FTP 1500#, flow calc @ 22 MMCFD, no wtr. SWI 30 mins, SITP 3000#. Stabilized flow, tested 1 hr, FTP 2800#, 20/64" ck, flow rate 4.1 MMCFD, rec 5 bbls dist, no wtr. SI for 4-point test. On 4-point test 6/15/78 CAOF = 61,145 MCFD. Shut in, WOPLC.