

Attachment - C-103

Gulf Oil Corporation - G. C. Matthews No. 6-I, Sec. 6, T-20-S, R-37-E

medium Tuff Plug & 2% calcium chloride per sack. Had gas kick while drilling at 6803' due to casing leak. Ran Baker CI BP & set at 3605'. Ran Worth Well Delta Log. Indicated gas leak from Yates form to bottom of 9-5/8" csg at 2648'. Perf 7" csg 2720-2719' with 4, 1/2" JHPF. Set Baker CI retainer at 2535'. Cemented thru perfs 2720-2719' with total of 664 sx Incor mixed with 50# Pozmix. WOC 72 hrs. Tested csg with 1200# for 30 min. No drop. Opened annulus between 7" & 9-5/8" csg. OK. Drilled cement and retainer. Tested perfs 2719-20' with 1400# for 30 min. No drop. Drilled BP at 3605' and ~~was~~ drilled ahead. Lost circulation at 6913'. Recovered with 55 sx Incor cmt with 25# Gilsonite, 2# medium Tuff Plug, 1/4# Flocele & 2% calcium chloride per sack. WOC then spotted 35 sacks of same plus 2% HA-5 per sack. Reached 9920' (TD) 6-1-61. Ran Wellex logs. Ran 312 jts, 9908', 4 1/2" OD J-55 9.50 & 11.60# casing. Set and cemented at 9920' with total of 515 sx cmt in 2 stages. 1st stage with 240 sx 4% Gel Incor followed with 100 sx Incor Neat thru casing shoe. Plug at 9887'. Max. press. 2300#. Opened DV tool at 6212' & circulated out approx 30 sx cmt. Second stage with 175 sx Incor 16% Gel, 3% salt, 5/10% HR-7, 25# Gilsonite per sack thru DV tool. Max. press. 2500#. After 8 hrs, temp survey indicated cement top outside 4 1/2" casing at 2730'. WOC 36 hrs. Pressure tested 4 1/2" csg with 1600# for 30 min. No drop. Drilled DV tool and tested with 1500# for 30 min. No drop. Drilled bottom plug to 9872'. Pressure tested with 1500# for 30 min. No drop. Ran Wellex GR tie-in log. Perf 4 1/2" csg with Hornet jet perforator 9746-57', 9761-71', 9775-85', 9788-94', & 9800-12'. Ran 2-3/8" tbg and Guiberson HW packer. Hydrotested tbg to 5000#. Packer set at 9672', tbg at 9808'. Swabbed and well kicked off. Flowed to clean up.

Note: Two drill stem tests are reported on attachment to C-105.