

Attachment C-103

Gulf Oil Corporation, Graham State "D" # 2, Sec 19, 19-8, 37-E.

Pulled tubing and tools. Ran 4-3/4" bit, one 3-1/2" drillcollar on 2-3/8" tubing. Drilled on cement ret at 2000'. Retainer was shoved to 2195'. Ran Baker FB packer on 2-3/8" tubing and set at 1998'. Tested 5-1/2" casing perforations at 2106', IR 2-1/4 bpm at 1000#. Mixed and pumped 200 sacks Dowell flac cement staging same. Unable to squeeze. Mixed and pumped 150 sacks Dowell flac cement and staged 4 hours, unable to squeeze. Mixed and pumped 100 sacks neat cement containing 1-1/2# Gilsonite per sack, staging 4 hours. Pressure tested 5-1/2" casing and squeeze job at 2106' with 2000#. No drop. Raised Baker FB packer and set at 1180'. Broke down casing perfs at 1405' with 1000# pressure, 2.5 bpm. Mixed and pumped 200 sacks Dowell flac cement and staged into 5-3/2" casing perfs at 1405'. Unable to attain squeeze. Mixed and pumped 100 sacks regular neat cement with 1-1/2# Gilsonite per sack, staged for 15 min. Attained 2000# squeeze. Reversed out 20 sacks. After waiting on cement 8 1/2 hours, ran 4-3/4" bit, casing scraper and DCs on 2-3/8" tubing to 1150'. Tested 5-1/2" casing with 800#. OK. Drilled cement to 1450'. Tested with 800#. No drop. Drilled cement 1450' to 1460', found no cement from 1460' to 2000'. Tested 5-1/2" casing with 800#. No drop. Drilled cement 2000' to 2425' and tested 5-1/2" casing with 800#. OK. Ran 2-3/8" tubing to top of BP 3725'. Drilled BP at 3725'. Cleaned out to TD 4004'. Pulled tubing, DCs and bit. Ran Baker FB packer on 2-3/8" tubing. Spotted acid 4004' to 3850' and set packer at 3787'. Treated open hole formation with 1000 Gals 15% NEA. TP 1800 - 1000#. AIR 3 bpm. Flushed with 17 bbls lease oil. Pulled tubing and packer. Ran 2-3/8" tubing and rods. Returned well to production

