

Attachment - C-103

Gulf Oil Corporation - Arnott Ramsay (NCT-D) #14-H, Sec. 33-21S-36E, Buamont Pool.

Reset PB packer & squeezed into formation. IR 2 bpm. Max. press. 2000#, min 500#. Following shut down, well went on vacuum. Swabbed & tested. Pumped 8 bbls oil down 2-3/8" tbg. Checked casing for communications. Perfs 3939' communicated with perfs 3917' & 3922'. Raised packer & set at 3912'. Pumped 11 bbls oil down tbg. No communications. Released packer. Raised BP & set at 3912', pkr set at 3887'. Straddled perfs 3893' & 3903'. Loaded tbg with 10 bbls oil. Pumped into formation 1 1/2 bpm at 650#. No communication on casing. Swabbed perfs 3893-3903'. Swabbed dry. Raised BP & set at 3887', pkr at 3866'. Straddled perfs 3872'. Pumped 10 bbls oil down 2-3/8" tbg. No communications. Swabbed dry. Straddled perfs 3844' & 3852'. Communicated thru perfs 3826-3835'. Raised pkr & set at 3820'. Pumped 10 bbls oil thru perfs 3785-3804'. Raised pkr & set at 3780'. Communicated thru 3768' & 3852'. Raised pkr & set at 3750'. Communicated thru 3744-3852'. Set BP at 3946', pkr at 3912'. Straddled perfs 3939-3917'. Pumped 30 bbls oil down casing-tubing annulus. Pumped 1000 gals 15% NE acid down tbg. IR 1 bpm at 1000#. Swabbed & well kicked off. Pumped 271 bbls water down 2-3/8" tbg into perfs 3917', 3922' & 3939'. No communication. Straddled 3893-3903'. Pumped 110 bbls water down tbg. No communication. Pumped 1000 gals 15% NE acid down tbg thru perfs 3893-3903'. IR 2.9 bpm at 700-1000#. Swabbed and tested. Straddled perfs 3872'. Pumped 33 bbls water down tbg. No communication. Pumped 1000 gals 15% NE acid down tbg. IR 3.1 bpm at 600#. Swabbed & tested. Ran Delta log. Ran 4" magnesium retainer on wire line set at 3795'. Dumped 2500# 20-40 sand down 4 1/2" csg. Filled to 3776'. Dumped 2900# 20-40 sand down casing. Filled to 3704'. Pressured csg to 2000#. Ran 2-3/8" tbg. Reversed sand out 3704-3738'. Pressured 4 1/2" csg to 1800#. Pulled tbg. Ran 3-way radial jet shot. Perf 4 1/2" csg at 3737'. Ran 2-3/8" tbg. Spotted 250 gals 15% NE acid down tbg over csg perfs at 3737'. Pumped into formation 1800# to 0#. Casing & tbg on vacuum. Pumped 25 sacks Dowell's flac cement. ~~Attempted~~ Attempted to squeeze into perfs at 3737'. Unable to obtain squeeze pressure. Pulled tbg. Ran 2-3/8" tbg with bit & drill collar. Drilled cement 3494-3722'. Pulled tbg. Perf 4 1/2" csg at 3721' with 3-way radial shot. Ran Baker retrievable cementer on 2-3/8" tbg. Spotted 250 gals 15% NE acid over perfs at 3721'. Squeezed into formation. Raised pkr & set at 3600'. Pumped 150 sacks Portland cement with 150# Halad-9 & 3 ax calcium chloride into perfs at 3721'. Unable to squeeze. Pumped 150 sacks regular Neat cement down tbg thru perfs at 3721'. Squeezed with 4000#. Reversed out 35 sacks. Pulled tbg. WOC. Drilled out cement to 3722'. Tested perfs at 3721' & 3737' with 400#. No drop in pressure. Drilled cement & sand to 3750'. Pumped into perfs at 3744'. IR 2 bpm at 800#. Drilled sand to 3795'. Raised bit to 3610'. Swabbed & tested. Reversed sand to 3795'. Drilled out retainer. Installed test pumping equipment.