

Attachment - C-103

Gulf Oil Corporation - J. A. Elliott No. 1-P, 15-25-37

Plugged back and attempted to recomplete in the Jalnat Gas Pool as follows:

1. Pulled tubing. Ran Gamma Ray Neutron survey.
2. Set 5-1/2" Baker Model E-3 cast iron bridge plug on wire line at 3200'. Dumped 2 sacks cement on top of plug. Top cement at 3182'.
3. Ran tubing with HRC tool. Found hole in 5-1/2" casing between 2350-2382'. Pulled tubing and tool.
4. Ran tubing with 5-1/2" Howco DM retainer set at 2300'. Cemented below retainer with 500 sacks 4% Gel and 250 sacks Neat. ~~water~~ Staged last 40 sacks in 4 stages. Maximum pressure 100#. Raised tubing 6' and reversed out 5 sacks cement. Pulled tubing. WOC.
5. Ran tubing and bit. Drilled cement and retainer from 2294-2360'. Tested with 300# for 30 minutes. No drop in pressure. Ran tubing to PBD (3182'). Circulated to clean hole.
6. Perforated 5-1/2" casing from 2740-2715', 2690-2665' and 2650-2526' with 4, 1/2" jet holes per foot.
7. Ran 5-1/2" Baker Model D production packer on wire line set at 2488'. Ran 2-7/8" tubing, engaged production packer. Swabbed dry.
8. Treated perforations in 5-1/2" casing from 2526-2740' with 500 gallons mud acid. Injection rate 4 bbls per minute. Well swabbed dry. Treated same perforations with 15,000 gallons Petrojel with 1# sand per gallon. Average injection rate 12.4 bbls per minute. Well swabbed dry.

Commercial production was no obtained. Will submit C-102 for further work.