

Attachment - C-103

Gulf Oil Corporation - Arnett Ramsay "C" No. 13-F, 21-21-36

Plugged back to shut off water and dually completed as follows:

1. Pulled rods, pump and tubing.
2. Ran steel line measurement. Found cavings at 3892'. Cleaned out to 3902' (TD), with sand pump.
3. Dumped 8 gallons hydromite. Plugged back from 3902' to 3892'.
4. Ran 5-1/2" Sweet hookwall packer set at 3757', Guiberson Type H holddown set at 3755'. Treated open hole formation from 3782-3892' with 6000 gallons Petrofrac with 1# sand per gallon. Average injection rate 6.5 bbls per minute. Swabbed and well kicked off.
5. Pulled tubing, packer and holddown. Ran Baker Model D production packer set at 3730'. Ran 3849' 2-3/8" tubing set at 3857'. Circulating valve at 3825'. Pulled tubing above packer. Reran 2-3/8" tubing with 5-1/2" Baker parent packer. Tested casing above packer at intervals as follows: 991', 1514', 2006', 2498', 3018' with 1100#, 850#, 600#, 400# and 200# respectively for 30 minutes each. No drop in pressure.
6. Perforated 5-1/2" casing from 3270-3240', 3215-3190', 3170-3110' and 3045-3030' with 2, 1/2" Jet Holes per foot.
7. Ran 2-3/8" tubing with 5-1/2" Baker retrievable bridge plug set at 3294', parent packer set at 2995'. Treated perforations in 5-1/2" casing from 3030-3270' with 1000 gallons mud acid. Average injection rate 34 gallons per minute. Swabbed and well kicked off.
8. Treated same perforations with 10,000 gallons 24 gravity oil with 1# sand per gallon. Average injection rate 6.8 bbls per minute.
9. Pulled tubing, parent packer and bridge plug. Ran 3720' 2-3/8" tubing with circulating valve at 3693'. Latched into packer at 3728'. Swabbed and well kicked off. Flowed at rate of 5,850 MCF gas with 650# back pressure (Eumont Gas).