

Attachment - C-103

Gulf Oil Corporation - Graham State "C" No. 1-J, 24-19-36

Dually completed as an Oil-Gas well in the Monument Oil and the Eumont Gas Zones as follows:

1. Pulled tubing. Ran Gamma Ray Neutron survey.
2. Ran tubing with 6-1/4" bit. Cleaned out from 4002-4040'. Pulled tubing.
3. Set 7" Baker Model D production packer on wire line at 3800'. Ran tubing set at 4023', 1 circulating valve at 3990'. Pulled tubing above packer.
4. Ran HRC tool. Tested 7" casing at 500', 1000', 1500', 2000' & 2500' with 1000#, 900#, 800#, 700# & 600# respectively. Rm Casing tested all right. Pulled HRC tool.
5. Perforated 7" casing from 3536-3678' with 2, 1/2" Jet Holes per foot. Ran 2-7/8" tubing with Baker retrievable bridge plug set at 3700', parent packer at 3520'.
6. Washed perforations from 3536-3678' with 500 gallons mud acid. Swabbed and well kicked off. Gas volume 609,000 cu ft.
7. Treated same perforations with 14,000 gallons 24 gravity oil with 1# sand per gallon. Average injection rate 8.63 bbls per minute. Swabbed and well kicked off. Gas volume 4,460,000 cu ft.
8. Pulled tubing, bridge plug and parent packer. Reran 2-3/8" tubing set into production packer at 3800', circulating valve at 3760'. Swabbed and well kicked off. Flowed at rate of 7,500,000 cu ft with back pressure of 840#. Estimated open flow potential 19,000,000 cu ft.
9. Cleaned out sand to 4000'. Opened lower circulating valve (after closing upper valve). Well kicked off. Flowed 21 bbls oil, no water in 11 hours. No change in penalized allowable.