

Underreamed, ran liner, perforated liner and acid treated as follows:

1. Pulled tubing. Ran Gamma Ray neutron.
2. Plugged back from 3335-3838' with 116 gallons Hydromite. Ran 121 joints 2-3/8" tubing at 3834'. Swabbed. Pulled 2-3/8" tubing. Cleaned out from 383-3842' with sand pump. Plugged back from 3842-3825 with 16 gallons Hydromite.
3. Ran 120 joints 2-3/8" tubing open ended at 3823'. Swabbed. Pulled 2-3/8" tubing. Ran 2-3/8" tubing with 5-1/2" retrievable bridge plug and tested 5-1/2" casing at various depths, no drop in pressure. Pulled tubing and bridge plug. Ran caliper survey.
4. Ran 2-3/8" tubing with cement retainer at 3774'. Took injection rate below retainer 3.5 bbls per minute at 600#. Took injection rate below retainer 4 bbls per minute with 700#. Pumped 120 sacks sulphate resistant cement below retainer. Took injection rate 3 bbls per minute at 1500#. Pumped 62 sacks sulphate resistant cement and squeezed 25 sacks below retainer with 2800#. Picked up tubing and dumped 37 sacks on retainer. Pulled tubing. WOC.
5. Ran 115 joints 2-3/8" tubing at 3643'. Swabbed and well kicked off. Filled well with 90 bbls water. Pulled 2-3/8" tubing. Ran 2-7/8" tubing with 4-3/4" bit and drilled cement from 3643-3770'. Pulled 2-7/8" tubing and bit. Ran 2-7/8" tubing with 7" underreamer and reamed 4-3/4" to 7" hole from 3711-3742'. Pulled 2-7/8" tubing and underreamer. Ran 2-3/8" tubing with 4-3/4" bit and cleaned out from 3764-3770'. Pulled tubing and bit. Ran 119 joints 2-3/8" tubing at 3762'. Swabbed. Ran rods and pump.
6. Pulled tubing, rods and pump. Ran 2-3/8" tubing with 7" underreamer and reamed from 3646-3651'. Underreamed 4-3/4" to 7" hole from 3693-3711'. Pulled 2-3/8" tubing and underreamer. Ran 2-3/8" tubing and 4-3/4" bit and cleaned out to 3770'.
7. Ran 6 joints (12') 4-1/2" CD 12.60# FJ Hydrill liner set at 3752'. Cemented with 35 sacks cement. WOC. Pressured 5-1/2" casing with 200# for 30 minutes, OK.
8. Ran 118 joints 2-3/8" tubing with hookwall packer at 3543'. Ran rods and pump.
9. Perforated 4-1/2" casing from 3736-3742' with 4, 1/2" jet holes per foot. Ran 2-3/8" tubing with bridge plug at 3747' and parent packer 3711'. Swabbed dry. Treated formation thru perforations in 4-1/2" casing from 3736-3742' with 250 gallons 15% NE acid. Injection rate 63 gallons per minute. Swabbed.
10. Pulled tubing, bridge plug, and parent packer. Perforated 4-1/2" casing from 3710-3727' with 4, 1/2" jet holes per foot. Ran 2-3/8" tubing with bridge plug at 3731' and parent packer at 3681'. Swabbed dry. Treated formation thru perforations in 4-1/2" casing from 3710-3727' with 250 gallons 15% NE acid. Injection rate 84 gallons per minute. Swabbed.
11. Ran 2-3/8" tubing with 5-1/2" cement retainer at 3562'. Squeezed open hole from 3752-3770' and 4-1/2" casing perforations from 3710-3742' with 250 sacks cement. Maximum pressure 4000#. Raised tubing and circulated out approximately 60 sacks cement.
12. Well closed in, will abandon Monument Oil Zone and recomplet as Edmont Gas Well.