

Attachment - C-103

Gulf Oil Corporation - G. C. Matthews Well No. 3-P, 6-20S-37E

Repaired leaks in 5-1/2" and 7-5/8" casing as follows:

1. Set wire line bridge plug at 3694'.
2. Ran 2-3/8" tubing with HRC tool. Found holes at 617', between 1244' and 1276', and between 1337' and 1367'.
3. Set Baker Model K magnesium cement retainer at 1211'.
4. Mixed and pumped 154 sacks 4% Gel below retainer. Circulated approximately 10 sacks out 5-1/2" - 7-5/8" and 7-5/8" - 10-3/4" annuli. Closed bradenheads and squeezed 10 sacks Gel in stages at 200# on bradenheads. Pressure dropped from 200# to 130# in 20 minutes. Released tubing from retainer and left approximately 10 sacks cement on top of retainer.
5. Waited on cement.
6. Tested 5-1/2" casing with 1000# for 30 minutes. No drop in pressure. Ran 2-3/8" tubing with bit. Drilled cement and retainer from 1144' to 1330'. Tested 5-1/2" casing with 1000# for 30 minutes. No drop in pressure. Drilled bridge plug and cleaned out to 3815'.
7. Reran tubing. Returned well to production.