Attachment - C-103

Gulf Oil Corporation - Graham State "C" No. 7-G. 25-19S-36E

Repaired 5-1/2" easing leak as fellows:

1. Pulled tubing and packer.

2. Ran 5-1/2" Baker Model H wire line bridge plug set at 3795'. Dumped 2 sacks coment on top of plug.

3. Ran HRC tool. Found leak in 5-1/2" easing between 55' and 87'.

4. Perforated 5-1/2" casing at 1265" with 2, 1/2" Jet Holes. Pressured 5-1/2" casing with 800#. Could not break circulation. Pressured 7-5/8" casing to 300#. Pressure dropped 100# in 50 seconds.

5. Reran HRC tool set at 1220'. Pressured 5-1/2" casing below HRC tool with 950#. Broke circulation on 7-5/8" bradenhead.

- 6. Ran 5-1/2" Howeo DM sement retainer set at 1214'. Pumped 150 sacks 4% Gel sement below retainer. Circulated estimated 25 sacks sement out 7-5/8" bradenhead.
- 7. Pressured 10-3/4" bradenhead with 200# for 30 minutes. No drop in pressure.

8. Waited on cement.

- 9. Pressured 5-1/2" easing with 500# for 30 minutes. No drop in pressure.
- 25. Pressured 7-5/8" casing with 300# for 30 minutes. He drop in pressure.
- 10. Drilled coment from 48' to 188'. Pressured 5-1/2" casing Rith 500# for 30 minutes. No drep in pressure. Brilled coment and retainer from 1208' to 1280'. Pressured 5-1/2" casing with 500#. Pressure dropped 200# in 5 seconds.

11. Ran 5-1/2" Heuce DM coment retainer set at 1204'. Pumped 250 sacks regular coment below retainer. Squeezed 197 sacks regular coment in 6 stages with 800%. Reversed out approximately 21 sacks coment.

12. Waited on cement.

13. Pressured 5-1/2" casing with 500# for 30 minutes. No drop in pressure. Pressured 7-5/8" casing with 300# for 30 minutes. No drop in pressure.

15. Drilled cement and retainer from 1198' to 1370'. Pressured 5-1/2" casing with 500# for 30 minutes. No drop in pressure. Drilled out cement and bridge plug and cleaned out to 3975' TD.

15. Reran tubing and packer. Returned well to preduction.