

Attachment - C-103

Gulf Oil Corporation B. V. Gulp Well No. 7-A, 19-19S-37E

Repaired 5-1/2" casing leak as follows:

1. Pulled tubing.
2. Ran wire line bridge plug set at 3765'. Dumped 2 sacks cement on top of plug.
3. Ran HRC tool. Found top hole between 52' and 83'. Found bottom hole between 883' and 913'.
4. Perforated 5-1/2" casing with 2, 1/2" Jet Holes at 1375'.
5. Ran 5-1/2" DH cement retainer set at 1329'.
6. Pumped 139 sacks 4% Gel below retainer. Circulated approximately 15 sacks out 7-5/8" bradenhead.
7. Waited on cement.
8. Attempted pressuring 5-1/2" casing. Pressure did not hold. Ran tubing and bit. Found top cement at 357'. Drilled hard cement to 358'.
9. Cemented down 5-1/2" casing with 63 sacks regular cement. Circulated out 7-5/8" bradenhead approximately 10 sacks. Displaced 30' in 5-1/2" casing with 3/4 bbl water. Squeezed with 500#.
10. Waited on cement.
11. Pressured 5-1/2" casing with 500# for 30 minutes. No drop in pressure. Drilled cement from 17' to 1329'. Drilled retainer to 1331'. Drilled cement to 1405'. Pressured 5-1/2" casing with 500# for 30 minutes. No drop in pressure. Ran bit to 3746'. Drilled thru cement and bridge plug and cleaned out to 4007'.
12. Returned well to production.