

Attachment - C-103

Gulf Oil Corporation - Lola Martin No. 2-P, 25-198-36E

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

1. Pulled tubing and formation packer.
2. Ran 5-1/2" Baker Model B-2 magnesium bridge plug on wire line set at 3743'. Dumped 2 sacks cement on top of plug.
3. Ran HRC tool. Found hole between 216' and 248'. Above 216' and below 248' tested O.K.
4. Perforated 5-1/2" casing with 2 Jet holes at 1210'.
5. Ran 5-1/2" Howco DM cement retainer set at 1159'. Pumped 115 sacks 4% Gel cement below retainer. Circulated out 7-5/8" bradenhead estimated 20 sacks cement. Pumped 23 sacks 4% Gel down 7-5/8" bradenhead. Closed 5-1/2" casing and squeezed 7-5/8" casing and 5-1/2" casing with 200#.
6. Waited on cement.
7. 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.
8. Drilled cement to 335'. Pressured 5-1/2" casing with 500# for 30 minutes. No drop in pressure. Drilled cement and retainer from 1127' to 1282'. Pressured with 500# for 30 minutes. No drop.
9. Drilled out cement and bridge plug. Cleaned out to 3955' TD.
10. Reran tubing with hookwall packer. Returned well to production.