

Attachment - C-102

Gulf Oil Corporation - J. B. Phillips No. 1

Propose to Repair 5-1/2" Casing Leak as Follows:

1. Pull tubing.
2. Set wire line magnesium bridge plug in base of 5-1/2" casing.
3. Run Halliburton HRC tool and locate leak interval.
4. Run magnesium cement retainer and set retainer 50' above leak interval.
5. Pump cement through leak interval until cement circulates to surface of 5-1/2" - 7-5/8" annulus and then close 5-1/2" - 7-5/8" annulus and squeeze cement until the remaining 5-1/2" - 7-5/8" annular volume has been displaced with cement.
6. Wait on Cement.
7. Drill out cement retainer and cement.
8. Pressure test 5-1/2" casing with 1000 psi for 30 minutes.
9. If pressure holds drill out bridge plug and return well to production.