Attachment - G-103

Gulf Gil Corporation - B. V. Culp No. 4-G, 19-19S-37E

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

- 1. Pulled tubing.
- 2. Ran 5-1/2" Baker magnesium bridge plug set at 3725'.
- 3. Ran HRC tool. Found top hole between 531' and 563'. Bottom hole between 1547' and 1579'.
- 4. Ran 5-1/2" Howco DM sement retainer set at 1606".
- 5. Pumped 537 sacks 4% Gel below retainer. Circulated estimated 25 sacks out 7-5/8" bradenhead. Pumped 50 sacks 4% Gel down 10-3/4" casing.
- 6. Waited on sement.
- 7. Ran bit to 1606'. Pressured 5-1/2" casing. Pressure dropped from 500# to 200# in 3 seconds.
- 8. Drilled to 1780'.
- 9. Perforated 5-1/2" casing at 1650' with 2, 1/2" Jet holes. Perforated 5-1/2" easing at 1325' with 2, 1/2" Jet Holes.
- 10. Set DM coment retainer at 1247'.
- 11. Pumped 275 sacks 4% Gel below retainer.
- 12. Waited on coment.
- 13. Tested 5-1/2" easing with 500# for 30 minutes. No drop in pressure.
- 14. Drilled out coment and retainer. Tested 5-1/2" easing with 500# for 30 minutes. We drep in pressure. Drilled out bridge plug.
- 15. Returned well to production.