

ATTACHMENT - C-103

Elbert Shipp No. 1

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

1. Set bridge plug at 3600' and dumped 2 sacks cement on top of plug.
2. Ran HRC tool and found top hole at 388' and bottom hole at 805'.
3. Perforated 5-1/2" casing with 2, 1/2" Jet Holes at 1200'. Set cement retainer at 1175' and cemented with 170 sacks cement. After cement circulated out 5-1/2" - 7-5/8" annulus performed bradenhead squeeze.
4. Ran bit to top cement at 487'. Pressured up on 5-1/2" casing. Broke circulation between 5-1/2" and 7-5/8" casing. Ran tubing to 463' then pumped cement down tubing and circulated cement out 5-1/2" - 7-5/8" annulus. Closed 7-5/8" bradenhead and filled 2" tubing - 5-1/2" casing annulus from 463' back to surface. Used a total of 126 sacks of cement. Pulled tubing and waited on cement.
5. Drilled cement from 27' to 465'. Pressured 5-1/2" casing with 1000# for 30 minutes. No drop in pressure. Pressured 5-1/2" casing at 1193' with 1000# for 30 minutes. No drop in pressure. Drilled out cement at 1205'. Tested casing with 1000# for 30 minutes. No drop in pressure. Tested 7-5/8" - 5-1/2" annulus with 1000# for 30 minutes. No drop in pressure.
6. Drilled bridge plug at 3600' and pushed plug to bottom.