

Attachment - C-103

W. D. Grimes (West) No. 7 - Gulf Oil Corporation

Repaired leak in 7" casing and replaced packer as follows:

1. Ran caliper survey and Gamma Ray Neutron log.
2. Ran 7" bridge plug set at 3840'. Dumped 2 sacks cement on top of plug.
3. Ran MRC tool set at 568'. Tested casing above tool with 1000# for 30 minutes. No drop in pressure. Set tool at 1208'. Injection rate with water above tool, 4 barrels per minute. Tested below tool with 1000# for 30 minutes. No drop in pressure.
4. Ran tubing open ended to 1208'. Pumped 385 sacks cement down tubing. Circulated out 9-5/8" casing head approximately 15 sacks. Closed 9-5/8" head and opened 7" head. Circulated approximately 10 sacks out. Pulled tubing. Pumped 250 sacks cement down 13-3/8" casing head.
5. Waited on cement.
6. Found top cement in 7" casing at 43'. Drilled cement from 43' to 865'. Tested 7" casing with 1000# for 30 minutes each 100' from surface to 800'. No drop in pressure.
7. Drilled cement from 865' to 1199'. Tested 7" casing with 1000# each 100' for 30 minutes. No drop in pressure.
8. Ran tubing and bit to 3830'. Found cement at 3830'. Tested 7" casing at 3830' with 1000# for 30 minutes. No drop in pressure. Drilled retainer at 3840'. Cleaned out and circulated hole to 4153'.
9. Ran 2-3/8" tubing set at 4153'.
10. Returned well to production.