

HOBBS OFFICE OCC

1955 AUG 17 PM 3:59

Attachment - C-103

Gulf Oil Corporation - Graham State "D" No. 1-P, 19-19-37

Repaired casing leak as follows:

1. Pulled tubing. Ran with 7" Baker retrievable bridge plug at 3745' and parent packer at 3714'. Tested casing between bridge plug and parent packer with 500# for 30 minutes. No drop in pressure.
2. Reset packer at 1350'. Tested casing below packer with 1100# for 30 minutes. No drop. Reset packer at 1032'. Tested above packer with 1100# for 30 minutes. No drop. Tested 7" casing from 1032-1350' with 1100#. Pressure dropped 800# in one minute. Pulled bridge plug, parent packer and tubing.
3. Set 7" Baker magnesium bridge plug at 3740' on wire line. Perforated 7" casing with 2, 1/2" Jet Holes at 1375'.
4. Ran tubing and MW tool. Found top hole between 334' and 364'.
5. Set 7" Howco magnesium cement retainer at 1361'. Pumped 250 sacks 4% Gel cement below retainer. Circulated cement to surface on 9-5/8" bradenhead. Backwashed 15 sacks cement. Pumped 40 sacks 4% Gel cement down 13-3/8" casing.
6. WOC.
7. Drilled cement, retainer and bridge plug. Tested with 1000# for 30 minutes. No drop in pressure.
8. Ran tubing to 3940'; 7" Lane Wells hookwall packer at 3671'.
9. Returned well to production.

Due to condition of casing, this well will not be dually completed as was originally reported. (DC-210).