

Attachment - C-103

Gulf Oil Corporation - Arnett Ramsay "C" #11-I, 21-21-36, Eunice Pool

Plugged back, acid frac treated and repaired casing leak as follows:

1. Pulled rods, pump and tubing.
2. Cleaned out from 3862-3890' (TD).
3. Dumped 22 gallons hydromite. Plugged back to 3870'.
4. Set 5-1/2" Sweet hookwall packer at 3748', Sweet hydraulic holddown at 3745'. Treated open hole formation from 3790-3870' with 5000 gallons acid frac, 1# sand per gallon.
5. Reran tubing, rods and pump. Recovered all load. Pumped 27 bbls oil, 14 bbls water in 24 hours.
6. Pulled rods, pump and tubing.
7. Set 5-1/2" Baker Model 2-B magnesium bridge plug on wire line at 3775'. Dumped 1-1/2 sacks cement on top.
8. Ran HRC tool. Found bottom hole in casing at 2258', top hole at 972'.
9. Set Howco DM cement retainer at 2173'. Cemented below retainer with 240 sacks 4% Gel cement. Then pumped 74 sacks in 2 stages. Temperature survey indicated top cement behind 5-1/2" casing at 1765'.
10. Perforated 5-1/2" casing at 1725' with 2, 1/2" Jet Holes.
11. Set DM retainer at 1634'. Cemented below retainer with 279 sacks 4% Gel. Circulated 25 sacks cement out 7-5/8" bradenhead. Temperature survey indicated top cement behind 5-1/2" casing at 77'.
12. WOC.
13. Pressure tested casing with 500# for 30 minutes. No drop. Drilled cement and retainer from 1634-1990'. Tested with 400# for 30 minutes. No drop. Drilled cement and retainer from 2144-2395'. Tested with 400# for 30 minutes. No drop. Drilled cement and bridge plug from 3775-3700'. Cleaned out to 3861'.
14. Reran tubing, rods and pump. Returned well to production.