

Form C-103

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L. Van Etten No. 3

- 10) Resqueezed perforations 3737-3766' with 2000 gallons Bengum and 300 sacks expanding cement with 10# Gilsonite in first 100 sacks and 1/4# Flocele in second 200 sacks; failed.
- 11) Resqueezed with 250 sacks Class "C" cement with 2% calcium chloride; failed to squeeze.
- 12) After WOC 17 hours, pulled packer. Set cement retainer at 3621' and attempted to pump into perforations; unable to pump in with 3000#.
- 13) Drilled out retainer at 3621' and circulated hole clean.
- 14) Set cement retainer at 3500' and resqueezed perforations 3737-3766' with 450 sacks, with the first 50 sacks 50-50 Cal-seal and cement and the last 400 sacks expanding cement with 10# Gilsonite and 1/4# Flocele per sack.
- 15) After WOC 19-1/4 hours, resqueezed perforations with 600 sacks--the first 100 sacks expanding cement with 2# Unibeads and 2% calcium chloride per sack; followed with 300 sacks expanding cement with 10# Gilsonite, 10# sand and 1/2# Flocele per sack; then 200 sacks expanding cement. Pumped cement to 3500'.
- 16) Drilled out retainer at 3500' and drilled cement to 3600'. Tested casing to 500# for 30 minutes; held OK. Drilled and cleaned out to 3777'. Tested squeeze job to 600#; held OK.
- 17) Spotted 150 gallons 7-1/2% acid inside 7" OD casing 3760-3684'. Perforated 7" OD casing at 3754', 3755', 3756', 3757', 3758', 3759', and 3760'.
- 18) Set packer at 3500' and treated perforations 3754-3760' with 750 gallons 7-1/2% acid using 5 ball sealers.
- 19) Treated perforations 3754-3760' with 1000 gallons 15% acid. Flushed with 24 bbls. water.
- 20) Reset packer at 3505' and tested.
- 21) Returned well to production status on March 28, 1972, flowing 118 bbls. oil, no water and 109 MCF gas per day (GOR 929:1) through 7" OD casing perforations 3754-3760' of the Grayburg-San Andres formation.