

G. L. ERWIN "a" WELL NO. 1

Ran string No. 1, (Blaine) 7170' of 2 7/8" O.D. casing, 6.70 lb., J-55, 8-R, and cemented at 7180'.

Ran string No. 2, (Siluro-Devonian) 7170' of 2 7/8" O.D. casing, 6.70 lb., J-55, 8-R, and cemented at 7180'.

Ran string No. 3, (Drinkard) 6302' of 2 3/8" O.D. casing, 4.70 lb., J-55, 8-R, and cemented at 6312'.

Cemented above strings of casing with 1600 sx El Toro 35 mixed with pozzolan and 1% LWL. Flushed ahead of cement with 100 bbls. fresh water.

Top of cement by temperature survey, 2400'.

String No. 1 Ran 1 5/8" CP with Otis opening and closing tools. Open sleeve at 6897'. Pumped in at 2000#. Squeeze with 20 sx reg neat. Maximum pressure 4000#. Closed sleeve. Reversed out 17 sx. Tested string to 4000# O.K. Open sleeve at 6141'. Pumped in at 1500#. Squeeze with 20 sx reg neat. Maximum pressure 3000#. Closed sleeve. Reversed out 3 sx. Tested string to 3000# O.K. Open sleeve at 5980'. Tested to 1800# 15 minutes o.k. Closed sleeve. Tested string to 3000# and broke to 2000# at 1/4 BPM. Pulled 1 5/8" DP to check opening and closing tools. Change PU -- pole to derrick. Ran DP and closed sleeve at 5980'. Tested string to 3000# O.K. Open sleeve at 5980'. Pumped in at 2000# with 1/4 BPM. Squeeze with 20 sx neat with 0.5% LWL. Maximum pressure 2500#. Closed sleeve. Reversed out 12 sx. Tested string to 3000# O.K. Open sleeve at 5730'. Pumped in at 1700# with 1/3 BPM. Squeeze with 20 sx neat. Maximum pressure 2500#. Closed sleeve. Reversed out 9 sx cement. Tested string to 3000# 5 minutes O.K. Open sleeve at 5402'. Pumped in at 2100# with 1/4 BPM. Squeeze with 20 sx neat. Maximum pressure 2700#. Closed sleeve. Reversed out cement. Tested string with 3000# 10 minutes O.K. Pulled DP. Ran sand line to 6174'. Ran bit DOC 6143- to 6732'. Circulate to 7157'. Tested string to 1800# 5 minutes O.K. Ran 1 5/8" DP with closed tool and closed sleeve at 6897'. Tested string to 3000# 5 minutes O.K. Complete 9:00 a.m. April 6, 1962.