

DETAILS OF WORK

Humble Oil & Refining Co.

Federal Popeano Well No. 1

Eunice-Monument Field

Ran Baker Model "DA" packer on Wellex line and set at 3660'. Tested packer standing valve and casing with 1500# and tested OK. Tested tubing with 1800# in compression and tested OK. Perforated 5-1/2" casing 3410-3600' with 760 shots, 4 shots per foot.

Set 2" tubing at 3660' with Baker seal nipple in packer at 3660'. Well blew in from Queen Formation and tested 1 hour on open 2" tubing at rate of 3120 Mcf/day. Ran Cameco blanking valve and set in Cameco type "M" Mandrel at 3600'. Tested for communication by blowing casing pressure to 250# with 600# on tubing. No drop in tubing. Tested through 2" casing outlet for 1 hour at rate of 3100 Mcf per day for potential test as gas well on 2-4-53, (Grayburg).

On March 1, 1953 drilled out Baker packer. On March 3, 1953 ran Baker Model DAB Dual Completion packer on Lane Wells Line, set at 3660'. Set 2" tubing at 3660' with Baker no left turn latching sub and 7000# tension in tubing. Ran pad standing valve and Cameco blanking tool. Tested 2" tubing, Baker seal nipples and standing valve with 1800# for 10 minutes. No drop in pressure. Tested upper Queens sand for 2 hours through open 2" tubing at rate of 2930 Mcf per day with spray of wash water. Flowing casing pressure 400#.

Treated 3700-3850' with 1000 gallons HOWCO mud cleanout agent, maximum and minimum tubing pressures 1200 and 800#. 1000# gas pressure on casing during treatment. Injection rate, 70 GPM.

Tested 15 hours on 16/64" choke, produced 15.60 barrels fluid, 20% water, 12.48 barrels oil. Tubing pressure 30#. (Grayburg)
Casing pressure 1100#. (Queens Sand).

