Welch-State #3-Y

Form C-103

Drilled to 2184' T.D. with 8" bit. On May 26, 1965 ran Lane-Wells Gamma-Ray-Density log. Ran 67 joints 5-1/2" 14" used casing with HOWCO guide shoe and float collar and 3 centralizers 2179.41'. Top float collar at 2166.14'. Cemented with 100 sacks neat cement. WOC. Tested casing to 2000 psi for 30 minutes. Held O.K. On May 31, ran Lane-Wells tie-in Gamma Ray - Collar log. Perforated following intervals with 2 bullets per foot: 2019-22. 2026-39, 2133-40. On June 2, broke down each zone individually, top down annulus and bottom below packer. Frac down casing using 300 gallons acid, 300# Gypban, 8000# 10-20 mesh sand, 20 ball sealers, and 20,000 gallons fresh water. Maximum pressure 2500#, average 1800#, ISIP 1100#, 10 min. SIP 850#, average rate 20.6 B/M. June 3, ran 63 joints 2" EUE 8 rd tubing with 25' mud On anchor, perf. nipple, and seating nipple, total length 2088'. Pump at 2063'. Ran 81-5/8" rods, 2-6' subs, 1-2' sub, 1-4' sub, and BMW BHD 10' x l_2^{\pm} " insert pump with 6' gas anchor. Put on pump.

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