

F. W. Kutter "D" #1

Drilled plug from 4015' to 4040'. Plugged back from 4040' to 3994' w/52 gals Hydromite by Halliburton. Spotted 10' mud blanket on top plug, washed open hole 3864' to 3984' w/500 gals mud acid. Swabbed 17 bbls water thru 2-3/8" tubing & swabbed dry. Treated w/3000 gals 15% LT NE acid by Chemical process. Inj time 41 min. Inj rate 73 gpm. Duration 49 min. Flushed w/17 bbls oil. Tubing pressure 1700-2200#. Casing pressure 800-1050#. Swabbed 17 bbls flush oil, 36 bbls new oil & 72 bbls acid water thru 2-3/8" tubing in 15 hrs. Acidized w/500 gals Dowell M38 acid. Inj rate 32 gpm. Inj time 37 min. Duration 45 min. Flushed w/15 bbls oil. Swabbed 11 bbls oil, no water in 2-1/4 hrs. Swabbed dry. Acidized w/2000 gals LT NE M-38 Dowell acid. Inj time 18 min. Avg inj rate 111 gpm. Duration 26 min. Tubing pressure 0 to 1800 psi. Casing pressure 150 to 1000#. Swabbed 25 bbls load oil plus 9 bbls new oil and 40 bbls acid water in 6 hrs. Swabbed dry.

Flowed 18 barrels oil, no water thru 2-3/8" tubing in 24 hrs. Gas volume 6.8 MCF. GOR 378. Tubing pressure 20#. Casing pressure 0# packer. Present allowable 40 BOPD.

