

Savonburg Field
Nelson No. RW-1
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April 22, 1998:

Using Company pulling unit and wash equipment, ran 1" and jet bit to 650'. Hit soft bridge and attached wash head. Washed from 650' to TD of 755'. Retained wash samples every 25'. Washed well clean and pulled jet bit up to 683'. Jetted lower perforations up to 672' with eight barrels field salt water.

Spotted 55 gallons of 28% HCl acid at 683', or bottom of perforations. Displaced acid out of 1" pipe. Pulled 1" and bit. Hooked well into injection line and displaced acid into formation with five barrels injection water. Shut well in overnight.

The following additives were used in acid treatment: one gallon Goldtreat, 1 gallon ESA-96, one quart ESA-91, 1 pint ESA-50. Also, one gallon ESA-50 was used in 22 barrels of field salt water for washing.

April 23, 1998:

12 bbls. @ 380 PSI

April 24, 1998:

12 bbls. @ 380 PSI

May 26, 1998:

Using Cornish Wireline, ran Delta Temperature Log.

June 2, 1998:

Using Cornish Wireline, re-logged after one week shut-in time.

December 16, 1998:

Using Company coil tubing unit, spotted 50 gallons 28% acid, one gallon Goldtreat, one gallon ESA-96, one quart ESA-91 and one pint ESA-50 on perforations. Let set overnight.

December 17, 1998:

Repeated above procedure. Resumed normal injection rate.

December 19, 1998:

24 bbls. @ 530 PSI

December 22, 1998:

40 bbls. @ 610 PSI