

The well was plugged back from a total depth of 5743' to 5592' by setting a Baker CI bridge plug on wire line at 5600 and dumping 1 sack cement (8') on top of plug. 5½" casing was perforated from 5440' to 5517' (77') with 4 jet shots per foot. Ran tubing and swabbed 20 barrel of salty water in 2 hours. Tubing was pulled in order to squeeze off perforations from 5440' to 5517'. Baker CI retainer was set at 5407', squeezed 120 sacks cement under retainer, 5 sacks on top and reversed out 25 sacks. Plug back total depth was checked at 5397'.

The 5½" casing was perforated from 5165-80' (15') and 5190 to 5215' with 4 jet shots per foot. Ran 2" tubing to 5225' and swabbed tubing load in two hours and well swabbed dry. Acidized well with 3000 gallon of Dowell reg. 15% acid and recovered load and acid water. Well swabbed 20 barrels per hour, 18% oil and 82% water. Oil increased to 20%. Tubing was pulled and tubing re-run with packer set at 5185' with bottom perforations blanked off. The well was then swabbed for 12 hours at the rate of 20 barrel per hour and recovered almost 100% water.

The tubing and packer was then pulled and went into the hole with a drillable retainer set at 5150 to squeeze off perforations from 5165' to 5215'. Squeezed 95 sacks below retainer and reversed out 30 sacks. Waited 12 hours before starting to drill retainer. Drilled retainer and cement to 5204'.

The 5½" casing was perforated from 5190' to 5198' (8') with 4 jet shots per foot. Acidized with 500 gallon mud acid, recovered oil load and 10 barrel acid water. Swabbed 1/2 bbl fluid per hour, 40% oil with fluid level holding at 100'. Re-acidized with 1000 gallon 15% low tension acid. Swabbed tubing load and 50% of acid water and started to make oil. In the first three hours, swabbed 6.6 bbls oil and 4.5 barrel acid water. In the next four hours, swabbed 2.4 barrel of oil and 1.4 acid water.

The tubing was pulled and 5½" casing was perforated 5197'-5201' (4') with 4 jet shots per foot and re-perforated 5190-5198' with 2 jet shots per foot. Acidized with 2000 gallon of 15% low tension acid. Swabbed well 9 hours, recovered tubing load, most of acid water and 14 barrels new fluid.

Pulled tubing; drilled out cement to 5224'; perforated 5½" casing from 5201' to 5215' (14') w/4 jet shots per foot; re-ran tubing to 5214'; set packer at 5117'; and acidized well with 3500 gallon of 15% low tension acid. The well was swabbed 16 1/2 hours and recovered tubing and acid load plus 89.1 bbl new oil. The last four hours, production averaged 4.7 barrel of oil and 0.8 barrel water per hour through perforations from 5190 to 5215 in the Paddock Zone.

The well was then dually completed by perforating the Queen section from 3207' to 3355' (148') with 2 jet shots per foot. This section was acidized with 3000 gallon of 15% low tension acid, swabbed to clean-up and allowed to flow through tubing, then switched to casing. A packer leakage test was completed.