

3rd Stage - 3694' - 3730'. Formation broke and treated @ 1300 psig @ 1 BBL per minute. ISIP - 1000. 5 minute SDP - 600.

4th Stage - 3650' - 3653'. Formation began feeding @ 1200#. Treated @ 1 BBL per minute @ 1350 psi. ISIP - 950. 5 Minutes SDP - 850. 39 BBL load water and acid water to recover.

Released RBP and reset @ 3815'. Pulled tubing and packer out of hole. Started running exchange packer. Shut down @ 5:00 P.M. due to high winds.

3-14-77 Resumed running tubing and packer. Set packer @ 3620' KB. Swabbed 75 BBL load and acid water. Est. 59 BBL load water and 16 BBL oil in 5 1/2 hours. Fluid level 900' from surface @ start; 2300' @ end of swab test.

3-15-77 Swabbing

3-17-77 Ran fishing tools in hole. Unable to catch fish. Lay down fishing tools and pulled tubing and packer out of hole. Recovered fish. Re-ran tubing and packer in hole; re-set RBP @ 3769'. Attempted to set packer @ 3600'. Packer would not set. Rigged up swab and swab-tested perfs. 3650'-3766'. Swabbed 13 BBLS fluid (9 BBL water and 4 BBL oil) in 1 hour. Fluid level - 1100' at start and 1600' at end of test.

3-18-77 Ran swab in hole. While pulling swab, engine blew a hole in piston. Shut down to change out engine.

3-20-77 Shut down for engine repairs.

3-21-77 Finishing engine repairs. Prepare to change out sand line.

3-22-77 Swabbed 63 BBL fluid in 5 1/2 hours. Est. 18 BBL load water; 12 BBL formation water; 33 BBL oil. Fluid level 1400' from surface @ start 1800' at end of swabbing period. Last hour swabbed 15 BBL fluid - 4 BBL water and 11 BBL oil. Lay down swab. Released Baker packer. Latched on RBP. Pulled out 16 joints tubing. Packed off well and shut down for night.

3-23-77 Continuing to pull packer out of hole. Finished pulling tubing out of hole. Lay down Baker Packer and retrievable bridge plug. Re-ran tubing - 122 joints (3789') and hung @ 3798'. Pump seating nipple @ 3754' GL. Nippled up tubing head; ran pump and rods. Spaced out and clamped well off and rigged down well service unit.

3-24-77 Re-ran Baker Model R packer on 2 3/8" tubing to 3300'. Rigged up Western Company. Displace hole with 3% KCL water. Started breakdown of P-3 zone. Pressured tubing in stages of 1400, 1900, 2200, 2400, 2600, 2800, 3000, and 3200. Formation did not break. Released packer and ran tubing in hole to 3743'. Pumped 250 gal 20% regular acid to spot. Re-set packer @ 3600'. Formation started feeding at 2450 psig @ 1/2 bbl per min. Displaced 6 BBL acid. Final pump in pressure 2700 psig. ISDP 2650 psig; 10 minute SDP 2500 psig. 22 BBL load and acid water to recover. Bled pressure off well. Swabbed 14.5 BBL load and acid water in 1 hour. Fluid level at surface at start; 3450' at end of swab test. 7 1/2 BBL acid water to recover. Shut down for night.

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HOBBBS. TEL. M.