

(11-04-94 Thru 11-22-94) Continued

MX Chemical mixed in 2 stages:

Stage 1: 3,863'-3,926'; prewashed w/25 bbls. fresh water and acidized w/2,500 gals. 15% acid. Max. pp-1,240 psi, avg. pp-950 psi, avg. inj. rate 5.0 BPM, ISIP-0 psi. Flushed w/23 bbls. fresh water.

Stage 2: 3,795'-3,863'; prewashed w/25 bbls. fresh water and acidized w/2,500 gals. 15% acid. Max. pp-1,750 psi, avg. inj. rate-3.0 BPM w/530 psi casing pressure. ISIP-1,070' psi. 10 min. SIP-0 psi. Note: dropped ball and sheared sleeve in tool. Load to recover 219 bbls. TOH w/3 jts. 2-7/8" tubing. Tool at 3,767'. Rigged up and made 14 swab runs. Recovered 58 bbls. acid water. Initial fluid level at 600'; final fluid level at 2,300'. Rig up swabbing equipment. Made 29 runs w/swab and recovered 66 bbls. water. Initial fluid level-3,000'. Final fluid level at 3,700'. Load status minus 95 bbls. L.D. swabbing equipment. Rig up swabbing equipment. made 1 swab run and recovered 4 bbls. water. Fluid level at 3,100'. Load status (minus) 91 bbls. Rig down swabbing equipment. TOH l.d. w/120 jts. 2-7/8" tubing and sonic hammer acidizing tool. Unloaded and racked 115 jts. 2-3/8" poly-lined tubing. Changed BOP rams from 2-7/8" to 2-3/8" TIH off racks w/7" Baker loc-set packer w/1.50" "F" profile nipple and right hand release on-off tool (note: packer equipped w/pump out plug) and 114 jts. 2-3/8" J55 poly-lined (Pipe Rehab) tubing. Removed BOP, set packer at 3,732', got off packer, and packed off tubing. Displaced 7" 24# casing w/150 bbls. packer fluid. Got on packer and landed tubing w/13,000# tension. Pressure tested casing to 480 psi and charted 30 min. test. Note: no witness present w/NMOCD. Pressured tubing to 1,500# to blow pump out plug. Installed National 7-1/16"-3M inj. wellhead tree. Pressure tested flanges and seals to 3,000#. Held pressure. X-Pert Well Service rigged down, cleaned location and moved out. Well closed in waiting on injection line to be laid. C-103 to follow after date of first injection.