

jts. 2-7/8" tubing and 10' 2-7/8" tubing subs. Reversed out 2 bbls. cement (9.2 sacks) to pit at 3,866'. TOH w/10 jts. 2-7/8" tubing and 10' 2-7/8" tubing sub. Tubing open-ended at 3,541'. Halliburton rigged down and moved out. Waiting on cement. TIH w/12 jts. 2-7/8" tubing. Tagged TOC at 3,897'. TOH w/125 jts. 2-7/8" tubing. Schlumberger moved in and rigged up. Perforated 7" 24# casing using 4" hogs from 3,788'-3,840' (52') 2 SPF, 180 degree phased, 105 total holes. Schlumberger rigged down and moved out. TIH w/FTI's sonic hammer and 125 jts. 2-7/8" tubing. Acidizing tool at 3,894'. Installed stripper head. Knox Services moved in and rigged up. Prewashed O.H. from 3,850' to 3,897' (47') and perforations from 3,788' to 3,840' (52') w/160 bbls. fresh water at 4.8 BPM at 100#. Note: broke circulation w/28 bbls. pumped. Spotted acid to tool and closed casing valve. Acidized perms. and O.H. w/5,000 gals. 15% NEFE DI HCL acid and 3% DP-77MX micellar solvent mixed in 2 stages: Stage 1 (3,788'-3,840'): acidized perms. w/2,500 gals. and displaced w/22 bbls. water. Min. inj. rate of .1 BPM-500# tubing and 500# casing, avg. inj. rate of 2.3 BPM-890# tubing and 400# casing, and max. inj. rate of 4.9 BPM-1,500# tubing and 400# casing. Stage 2 (3,850'-3,897'): acidized O.H. w/2,500 gals. avg. inj. rate of 4.9 BPM-1,420# tubing, 250# casing pressure. Flushed w/22 bbls. Dropped ball and sheared sleeve in tool. Load to recover 244 bbls. Knox Services rigged down and moved out. TOH w/2 jts. 2-7/8" tubing. Acidizing tool at 3,827'. Rig up swabbing equipment. Swabbed well. Bled 280# tubing and 170# casing pressure (all gas) off well. Swab well. Jarrel Services moved in and rigged up. Ran bomb to 3,816' and obtained static BHP of 848#. In 1 hour pressure increased, 1.5# to 849.5#. Found fluid level at 1,879'. Released and bled off tubing and casing pressure. Pumped 50 bbls. fresh water down casing to kill well. TOH w/122 jts. of 2-7/8" tubing and FTI Sonic Hammer. TIH w/8 4-3/4" drill collars. TOH L.D. 8 4-3/4" drill collars. TIH w/2-7/8" SN, 1 jt. 3-1/2" salt lined tubing, 4 jts. 2-7/8" tubing, 7" x 2-7/8" TAC, and 118 jts. of 2-7/8" tubing. Remove 6" 900 BOP. Set TAC at 3,701' w/18,000# of tension. SN OE at 3,865'. Nipple up wellhead. TIH w/2-1/2" x 1-1/4" RHBC 12' x 3' x S4 sucker rod pump #A-1192, 4 1-1/2" weight bars, 2 1-1/4" weight bars, 84-3/4" sucker rods, 63-7/8" sucker rods, and 1-1/4" x 22' polish rod w/1-1/2" x 12' polish rod liner. Load and test tubing to 500 psi. Held OK. Rigged down pulling unit and cleaned location. Resumed producing well.

Test (24 Hours): 188 BOPD, 8 BWPD and 111 MCFPD.