

(07-27-94 Thru 08-16-94 Continued)

Drilled cement from 280' to 558'. Circ. hole clean. Drilled cement from 558' to 898' (340'). Circ. hole clean. Drilled cement from 989' to 1,252' (354'). Drill stringers to 1,270' and ran bit to 1,303'. Casing clear. Circ. hole clean. L.D. power swivel. TOH w/36 jts. 2-7/8" tubing, 6 3-1/2" drill collars, and 4-3/4" bit. TIH w/5-1/2" fullbore packer, SN and 40 jts. 2-7/8" tubing. Packer free at 1,252'. Displaced cement water w/clean fresh water at 1,252'. Set packer at 1,252'. Pressure tested annulus to 600 psi. Casing held. TIH w/8 jts. 2-7/8" tubing. Set packer at 1,499'. Casing held 600 psi. TIH w/3 jts. 2-7/8" tubing. Packer set at 1,590'. Casing held 600 psi. TIH w/4 jts. 2-7/8" tubing. Set packer at 1,714'. Casing failed. Pressure tested to 580 psi below packer. Held. TOH w/1 jt. 2-7/8" tubing. Set packer at 1,683'. Casing held 600 psi. Isolated 5-1/2" casing from 1,683' to 1,714'. Attempted to est. inj. rate. Pressured to 700 psi and lost 60 psi in 8 mins. TOH w/54 jts. 2-7/8" tubing, SN and 5-1/2" fullbore packer. TIH w/56 jts. 2-7/8" tubing. Tubing open ended at 1,737'. Halliburton moved in and rigged up. Spotted 20 sacks Micro-Matrix cement at 1,737'. TOH w/7 jts. 2-7/8" tubing. Reversed out at 1,520'. TOH w/49 jts. 2-7/8" tubing, TIH w/5-1/2" fullbore packer, SN and 48 jts. 2-7/8" tubing. Set packer at 1,491'. Pressured annulus to 400 psi. Squeezed cement w/1,000# pp 2 times. Held Pressure. Total displacement 1/2 bbl. Calc. TOC at 1,550'. TOH w/48 jts. 2-7/8" tubing, SN and 5-1/2" fullbore packer. TIH w/4-3/4" bit, P.U. 6 3-1/2" drill collars and 47 jts. 2-7/8" tubing. Tagged cement at 1,635'. P.U. power swivel and installed stripper head. Washed out cement from 1,635' to 1,651' and drilled soft cement from 1,651' to 1,671' (12' above leak interval). Drilled cement from 1,671' to 1,738' and fell out of cement. Drilled cement stringers to 1,743'. Ran bit to 1,794' and circ. hole clean. Pressure tested casing to 570 psi and charted 30 mins. Prior operator casing integrity test. Well passed test. TOH w/123 jts. 2-7/8" tubing, retrieving head, and 5-1/2" Model "G" RBP. ABC Rental moved in and rigged up foam unit. TIH w/4-3/4" bit, 6 3-1/2" drill collars, and 123 jts. 2-7/8" tubing. Tagged fill at 3,994'. P.U. power swivel and installed stripper head. Began pumping to break circ. Recovered 14 bbls. production water and foam. Drilled from 3,994' to 4,003'. Returns were formation, rubber, and metal. Note: Drilling on metal at 4,003'. Lost valve in compressor on foam unit. L.D. swivel and pulled bit into casing. TIH w/8 jts. 2-7/8" tubing. Tagged at 4,003'. P.U. power swivel and broke circ. w/air and foam. Drilled and made no hole. Returns w/rubber and pieces of wire. Note: Drilling on 4" OD Lynes inflatable packer at 4,003'. Circ. hole clean. L.D. swivel. ABC Rental rigged down foam unit. TOH L.D. w/123 jts. 2-7/8" tubing, 6 3-1/2" drill collars and 4-3/4" bit. TIH w/FTI Sonic Hammer, SN and 130 jts. 2-3/8" tubing. Serfco moved in and rigged up equipment. Pressure tested lines. Acidized OH from 3,836' to 4,003' w/5,000 gals. 15% NEFE DI acid w/3% DP-77MX chemical. Max pp-1,320 psi, Avg. pp-1,075 psi and ISIP-vacuum. Flushed casing w/30 bbls. fresh water. Load to recover -260 bbls. TOH w/126 jts. 2-3/8" tubing, SN and Sonic Hammer. TIH w/6 jts. 2-3/8" tubing, 5-1/2" fullbore packer, SN and 123 jts. 2-3/8" tubing. Tubing at 3,969' and packer at 3,786'. Rigged up swab equipment. Made 16 swab runs and

(07-27-94 Thru 08-16-94 Continued)

recovered 56 bbls. water and acid gas. Initial fluid level at 2,200' and final fluid level at 3,300'. Load status minus 204 bbls. Made 12 swab runs and recovered 12 bbls. water. Initial fluid level at 3,200'. Final fluid level at 3,500'. Load status minus-192 bbls. TOH w/123 jts. 2-3/8" tubing, SN, 5-1/2" fullbore packer, and 6 jts. 2-3/8" tubing. TIH w/2-3/8" 8rd SN, 1 jt. 2-7/8" Salta lined tbg., 5 jts. 2-3/8" tbg., 5-1/2" x 2-3/8" TAC, and 123 jts. 2-3/8" tubing. Removed BOP, set TAC at 3,782' w/16,000 psi, and flanged up wellhead. TIH w/10-125 RHBC 06-3-S4 (A-1117), 96-5/8" and 60-3/4" rods. Seated pump. Loaded and pressure tested tubing. Hung well on and resumed production. X-Pert Well Service rigged down, cleaned location and moved out. Resumed producing well.

Test (24 Hours): 5 BOPD, 28 BWPD, and 19 MCF

APPROVED

SEP - 6 1994