

bit, sub, and 60 jts. of 2-3/8" tubing. Bit at 1,864'. Did not feel tight spot at 1,832'. TOH w/60 jts. of 2-3/8" tubing, sub, and 6-1/8" bit. TIH w/6-1/4" OD tapered mill, sub, and 59 jts. of 2-3/8" tubing. Tagged tight spot at 1,832'. P.U. power swivel and installed stripper head. Broke circ. and milled out 7" casing from 1,832' to 1,835' and fell through. Ran mill to 1,862'. L.D. swivel. Note: returns were metal shavings. TOH w/60 jts. of 2-3/8" tubing, sub, and 6-1/4" OD tapered mill. TIH w/7" fullbore packer, SN, and 60 jts. of 2-3/8" tubing. Packer went through spot with no trouble. Set packer at 1,870'. Pressure down tubing to 540 psi. Casing and RBP held. TOH w/2 jts. 2-3/8" tubing. Set packer at 1,808'. Pressured 7" leak interval from 1,827'-1,835' to 540 psi. Lost 60 psi in 6 mins. Pressure to 840 psi and lost 150 psi in 10 mins. TOH w/58 jts. of 2-3/8" tubing, SN and 7" fullbore packer. TIH w/SN and 60 jts. of 2-3/8" tubing. Tubing open-ended at 1,860'. Halliburton moved in and rigged up. Pumped 10 bbl. fresh water pad and broke circ. Mixed and spotted 40 sacks Micro-Matrix cement at 1,860'. TOH w/8 jts. of 2-3/8" tubing and reversed out at 1,612'. TOH w/52 jts. of 2-3/8" tubing and SN. TIH w/7" fullbore packer, SN and 48 jts. of 2-3/8" tubing. Broke circ., set packer at 1,495' and pressured annulus to 5,000 psi. Squeezed 1 bbl., 4.6 sacks, into leak in 4 attempts. Max. pp-1,400 psi. Calc. top of cement at 1,655'. Closed in waiting on cement. TOH w/48 jts. 2-3/8" tubing, SN & 7" fullbore packer. Removed BOP and loaded 7" casing w/fresh water. Cut off 7" casing head. Speared & picked up 7" casing. Cut off 9-5/8" casing head. Installed 9-5/8" SJ 8rd collar. Installed 7" SJ 8rd collar. Installed 11" 3M 9-5/8" NSCO casing head and 7" stub casing. Set 50,000# on 10" x 7" casing slips and cut off 7" casing and installed seals. Installed 11" 3M x 7-1/16" 3M National DP-70 tubing spool and 6" 900 BOP. Pressure tested flanges and seals. Test OK. TIH w/6-1/8" bit, 6 4-3/4" drill collars, and 49 jts. 2-3/8" tubing. Tagged cement at 1,701'. P.U. power swivel and installed stripper head. Drilled cement from 1,701'-1,857' and fell through. Drilled stringers to 1,861' and ran bit to 1,889'. Circ. well clean. L.D. swivel. Pressure 7" 24# casing to 550 psi and charted 32 min. casing integrity test. Casing passed test. TOH w/55 jts. 2-3/8" tubing, 6 4-3/4" drill collars and 6-1/8" bit. TIH w/retrieving head, SN and 123 jts. 2-3/8" tubing. Tagged at 3,786'. P.U. power swivel, broke circ., circ. sand off, and released BP. L.D. swivel. TOH w/123 jts. 2-3/8" tubing, SN, retrieving head and 7" Model "G" RBP. TIH w/6-1/8" bit, 6 4-3/4" drill collars, and 122 jts. of 2-3/8" tubing. Tagged fill at 3,921' (34'). P.U. power swivel and installed stripper head. Pumped 145 bbls. fresh water to gain circ. Drilled out fill from 3,931'-3,955'. Returns w/formation, rubber and paraffin. Drilled new hole from 3,955'-3,980'. Circ. hole clean. Note: Lost 130 bbls. during drilling. L.D. power swivel and removed stripper head. TOH w/123 jts. of 2-3/8" tubing., L.D. 6 4-3/4" drill collars and 6-1/8" bit. TIH w/FTI's Sonic Hammer, SN w/SV in place, 128 jts. of 2-3/8" tubing and 10' 2-3/8" subs. Pressure tested tubing to 1,700 psi. Tubing held. Tagged TD at 3,980'. No fill. Fished SV. TOH w/4 jts. of 2-3/8" tubing and installed stripper head. Knox Services moved in and rigged up. Acidized O.H. from 3,816' to 3,980' w/5,000 gals. 15% NEFE DI HCL acid w/3% DP-77MX chemical mixed in 3 stages. Washed O.H. interval with total of 150 bbls.

fresh water at 5.0 BPM and 2,100 psi tubing pressure. Note: Well circ. w/87 bbls. pumped. Closed casing valve. Stage 1 (3,914'-3,980') pumped 1890 gals. acid at 1.5 BPM. 750# tubing and 500# casing pressure. Flushed w/15 bbls. fresh water. Stage 2 (3,851'-3,914') pumped 1890 gals. acid at 1.9 BPM. 900# tubing and 520# casing pressure. Flushed w/15 bbls. fresh water. Stage 3 (3,816'-3,851') pumped 1220 gals. acid at 2.4 BPM. 1,100# tubing and 500# casing pressure. Flushed w/15 bbls. fresh water. Dropped ball and opened sleeve on acidizing tool. Load to recover (239 bbls.). Knox rigged down and moved out. TOH w/1 jt. of 2-3/8" tubing, SN at 3,805' and tool at 3,809'. Rig up swabbing equipment. Made 22 swab runs and recovered 79 bbls. fluid. Initial fluid level at 900'. Final fluid level at 2,700'. Load status minus 160 bbls. L.D. swabbing equipment. Found 80# tubing pressure. Rig up swabbing equipment. made 21 swab runs and recovered 47 bbls. total fluid. Initial fluid level at 2,800'. Final fluid level at 3,800'. Last run sample showed 8% oil cut. Rig down swabbing equipment. TIH w/6 jts. of 2-3/8" tubing. Tagged TD at 3,974' (6' fill). TOH w/129 jts. of 2-3/8" tubing, SN and Sonic Hammer. L.D. 3 jts. on TOH. TIH w/2-3/8" 8rd SN, 1 jt. 2-7/8" Salta Lined, 5 jts. 2-3/8" tubing, 7" x 2-3/8" TAC, and 121 jts. of 2-3/8" tubing. Removed 6" 900 BOP, set TAC at 3,747' w/18,000#, and flanged up tubing hanger. TIH w/20-125 RHBC 10-3-SO (A-1136), 95-5/8", and 60-3/4" inspected "C" rods. Note: l.d. 53-5/8" and P.U. 55-3/4" rods on TIH. Seated pump. Loaded tubing and L.S. pump to 500 psi. Pumped OK. X-Pert Well Service and Star Tool rigged down and moved out. Well closed in. Will build wellhead and reset pumping unit. Set pumping unit and hooking up electricity. Well pumping. Cleaned location.

Well Test: 02-13-95 (24 hours) 2 BOPD, 26 BWPD, and 21 MCFPD

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