

7/4 & 5/83 Down, holiday.

7/6/83 Resumed milling, worked pipe & pump for 1 hr, couldn't unplug mill or make any progress, POH, mill was 75% plugged & change over @ 4½" DC was plugged, metal cuttings & strips of tbg up to 3½" x ½", ran 4½" magnet on sand line w/l std of tbg, didn't recover any metal, old mill was worn out, ran new 4-11/16" cutrite mill /DC's, set dn @ 152.48', mill stuck, couldn't get through tight spot, pulled free & POH, shopped mill & turned to 4-5/8", ran back in hole w/DC's, SDFN.

7/7/83 Started milling @ 7:30 AM @ 8394', milled 7½ hrs & made 9' to 8403', 6' of progress, was getting cmt and metal, having trouble keeping mill unplugged, progress stopped, POH & S.L.M, new strap was 8' longer than previous depth, made 8' correction, new depth 8411', SDF dark.

7/8/83 Ran new (#3) 4-5/8" flat btm mill w/l, 4½" DC, 4, 3½" DC's on 2-3/8" N80 tbg milled 3½ hrs, mill plugging severely, made 1' progress to 8412', POH, mill had an inverted cone impression in center, ½" deep & 7/8" diameter, had circular impression outside of cone, returns were cmt & metal cuttings, ran 4½" magnet 3 times on sand line w/l std of tbg, got 3 large pieces of tbg & some smaller pieces, ran new 4-5/8" (#4) flat btm cut rite mill w/l, 4½" collar, 4, 3½" collars & 1 std of tbg, SDF dark.

7/9/83 Finished TIH w/mill, resumed milling @ 9:15 AM (ran rabbit through all jts on trip in), milled 2½ hrs, made 2½', mixing gel and lime while milling, started getting plugging @ mill, @ that time had 35 viscosity mud, continued milling & mixing mud, milled 6 more hrs, & made 2½ more ft to 8417', still having sever plugging, returns were cmt & metal, mixed 150 sx gel & 14 sx lime, mud viscosity 43 seconds, progress stopped, put 10,000# on mill, torque didn't increase, pump press inc. from 950 psi to 2000 psi, blew stripper rubber @ that pressure, circ btms up, pulled 12 stds tbg & SDFN.

7/10/83 Finished TOH w/mill and assembly, mill had a cone indentation in center & also marked by tbg, ran new 4-5/8" cutrite mill & milling assembly on 2-3/8" tbg, resumed milling @ 12:15, circ 10" prior to milling, rate 3½ BPM @ 1500 psi, viscosity of mud 44 secs., depth 8417', milled 7 hrs, made 10½' to 8427½', last hr made 6" progress, cuttings were generally smaller & in better shape, got back some large pieces of metal, the cmt was very fine and mostly suspended in mud, LD 2 jts tbg & SDFD.

7/11/83 Down Sunday.

7/12/83 POH w/mill & assembly, mill had cone shaped indentation 3/4" deep x 1½" dia & faint impression of tbg on btm, centered, ran new flat btm mill & assembly to 8427½", circ 10" @ 3½ BPM @ 1200 psi, mud viscosity 52 secs., resumed milling @ 12:00 noon, milled 7 hrs, made 7' to 8434½', mill plugged only 1 time, circ btms up, LD 1 jt of tbg & SDFD.