

assembly and COOH. Found packer seal assembly badly worn, thus invalidating previous tests of perforations below the packer. Ran tubing to packer, opened flapper valve in packer and set tubing with 12,000 pounds on tubing string. Tested packer seals, OK. Started swabbing from below packer at 10,445'. After swabbing fluid level to 6000' well began gassing with a 2' to 6' flare going continuously. Recovering water with small show oil and mud. Estimated swabbing at 2-3 BOPH, swabbed 2 days same rate with 8' flare.

Acidized with 4000 gallons MCA acid, 5-6 BPM @ 4200 psi. Flowed load back and tested by running rods and putting well back on pump. After load recovered well pumped 3 BOPD with 15 BWPD when pumping.

February 14, 1977  
March 9, 1977

Moved in pulling unit, pulled rods and pump. Swabbed perforations 10,860'-10,602'. (Bone Spring). Swabbed dry in 4 hours. Periodical runs of swab calculated well was pumping all of fluid entering well bore. When shut in well would build up to 100 psi. Pulled tubing and went in hole with a Baker Retrieromatic packer and set at 9426'.. Started swabbing to test perforations 9632-9524'. After 4 days of swabbing determined fluid entry at 71 BFPD cutting from 20% to 80% oil. Moved packer up the hole to 9137' and started swabbing again. Shut in over weekend and SITP was 150 psi. Opened well to tanks and well flowed 6.5 BO in 30 min. Fluid level at 1200' FS. Started swabbing and packer unseated, re-set at 8948' and started swabbing again. Swabbed 8 BFPD cut 5% oil. Next day swabbed formation water. Pulled tubing to squeeze. Set EZdrill bridge plug at 9460' and ran retainer on tubing and set at 9000'. Squeezed perfs between 9000' and 9460' with 200 sax Incor cement. Squeezed at 3400 psi, dumped 2 bbls cement on top of retainer. Pulled 64 stands tubing and rigged up for bradenhead squeezed on casing lap at 4998'. Pumped 150 sax Incor cement into lap at 1600 psi, SI at 450 psi. Locked up overnight. Rigged up reverse drilling rig and found top of cement at 4822'. Drilled out cement and cleaned out hole to 10,000'. Rigged up tubing, ran rods, and put back on pump to test perforations 9632-9524'.

March 9, 1977  
December 28, 1977

The well was put on the pump and was never economic. Occasionally the well would head up and recover about 20-30 barrels of oil, but would go for several weeks making no oil no oil or at most 2 BOPD. The pumping unit was removed and the tubing and rods pulled. The well is currently temporarily abandoned pending a decision to test further in the Bone Spring or make a completion attempt in the Atoka.