

03-17-88 500 psi tubing head pressure - Open tank on 3/4" choke, flowed for 45 min. recovered 6 Bbl of frac load, made four swab runs, recovered 29.5 bbl load - FL returned to 500' each pull - Waited 45 min with no flow to surface - RIH with swab, tagged fluid at 400' began swab pull from 1100' and stuck swab in sand, attempted reverse circulation and pump down tubing to free swab with no success - Dropped wire line cutter, cut wire line at 600' - TOH with tubing cutting approx. 450' sand line recovered swab tools with 24 stands out SIFN.

Daily cost: \$2578.00
Cumulative cost: \$198,854.00

03-18-88 TIH with Hydrostatic Bailer with 1000' of cavity - set down at 5733' - started working bailer - Bailer sticking after working about 20' of fill - Annulus flow increased indicated that Castle inflow was surging sand around Bailer - Worked tubing free in 30 min. and called for kill truck and water to attempt to reverse circulate sand out - TOH with tubing and bailer recovered 3 1/2 stands (217') of sand - TIH with open ended 2 7/8" tubing - Annulus flowing oil and gas too hard to continue trip with 47 stands in, pump 60 bbl produced water down tubing to circulate oil off annulus - 20 bbl down annulus to kill - TIH to sand fill at approx. 5720', started reverse circulating - Lowering tubing into sand fill. As hydrostatic load increased in tubing, with uphole sands began taking fluid. With 200 bbl pumped - No sand had reached surface - Stopped pumping - TOH with 15 stands and SIFN.

Daily cost: \$2430.00
Cumulative cost: \$201,284

03-19-88 Opened tubing to pit flowed frac water and gas for about 45 minutes. Casing dead. TOOH with tubing with flow continuing. Decided to call coiled tubing unit because of apparent inflow from Castle making bailing too risky. PU Model "R" packers TIH set packer at 5743'. Rig up flowback line for nitrogen, rigged up NOWSCO coiled tubing unit and began TIH pumping 450 SCF/min. N₂. Leak in coiled tubing occurred with 3860' in well. POOH with coiled tubing. Rigged down NOWSCO. SIFN.

Daily cost: \$1,034.00
Cumulative cost: \$202,318.00

03-20-88 400 psi tubing head pressure open well to pit, flowed small volume gas and green oil (Castle). Rigged up NOWSCO cleaned out to PBTD @ 6102'. Made 16 swab runs, recovering 64.5 Bbl liquid. Estimated load recovery 160 Bbl. 32.5 BLTR. SIFN.

Daily cost: \$5981.00
Cumulative cost: \$208,299.00