

03-14-88 Well had approx. 50 psi on casing head flowed small volume to tank - TIH with cement retainer - set retainer at 4986' - RU Dowell Schlumberger and squeeze manifold - pressure test lines to 2500 psi - pump 5.8 Bbl produced water down tubing to establish circ. - pump 10 Bbl fresh water spacer, mix and pump 40 sx 12-3 RFC displace with 28.5 Bbl fresh water - closing back side valve on last 2 Bbl pressure increased 150 psi, - Sting out of retainer and began reverse circulating with 135 Bbl produced water (only partial returns, Williamson taking water), circ. small volume slurry, gas and oil followed by clean water - SI, charged up formation flowing back - TOH, SIFN.

Daily cost: \$5576.00  
Cumulative cost: \$187,893.00

03-15-88 Open casing to pit, blew small volume of gas and oil - RU Petco Reversing Unit - TIH with 4 3/4" mill tooth bit, bit sub, scraper, four 3 1/2" collars, top sub and 2 7/8" tubing - Tubing flowed gas, oil and water throughout trip - Drilled cement retainer and nine feet hard cement from 4986-97' - Drilled crust on sand at 5015 and circulate sand out 5015-34' - Charged up Williamson zone flowing back - TOH with tubing and drilling assembly - Rig down Petco PU 5 1/2" Elder model "R" packer and retrieving tool - TIH to RBP at 5036' released RBP tool moved upward freely but would not move down - Worked with RBP for one hour without success. SIFN.

Daily cost: \$5576.00  
Cumulative cost: \$187,893.00

03-16-88 50 psi tubing head pressure - 50 psi casing head pressure - Blew down gas plus some oil and water from tubing - Tried moving RBP down - still malfunctioning - TOH - Plug was full of sand - TIH with model "R" packer - Pressure test lines to 6000 psi - Set packer @ 5804' - Frac Castle sand as follows:

2500 gal pad	-	8 bbls/min @ 1600 psi
20/40 sand @ 1 ppg	-	8 bbls/min @ 1230 psi
20/40 sand @ 2 ppg	-	8 bbls/min @ 1100 psi
20/40 sand @ 3 ppg	-	8 bbls/min @ 960 psi
12/20 sand @ 3 ppg	-	8 bbls/min @ 900 psi

Screened out with approx. 20 bbls of 12/20 in formation - (pressure rose quickly indicating that sand fall out may have covered perms.) - Unable to pump in or flow back - Waited nine hours - attempted flowing well back and flowed with insufficient rate to clean sand out - SIFN.

Daily cost: \$8383.00  
Cumulative cost: \$196,276.00