

CAP UNIT #31-2, LEA COUNTY, NEW MEXICO

9-9-60 Pulled and ran tubing to circulate.  
9-10-60 Hole taking water. Did not circulate. Ran Halliburton dump bailer to dump sand. Set umbrella on top of 3" liner. Dumped 4 gals. Cal-seal. Had 6' fill up in 4½" liner. Set plug at 2716'.  
9-12-60 Cemented top of 4½" liner with 150 sacks 50-50 Pozmix. Top of 4½" liner at 2783. Plug stopped at 2771. Had 13' cement on top of 4½" liner.  
9-14-60 Ran tubing to drill plug in 5½" at 2771'. Drilled plug down to top of 4½" at 2784'. Tested cement - 1260#. Set 30 min. O.K. Pulled tubing.  
9-15-60 Ran tubing. Drilled plug in 4½" liner at 2784 to 2316'. Pressure up on liner 1260#. Set 30 min. O.K. Pulled tubing - put on 2-7/8" bit. Ran tubing in hole.  
9-16-60 Drilling on plug in top of 3" liner with 2-7/8" bit at 2316'.  
9-17-60 Pulled tubing. Bit bad. Put on new 2-7/8" fish tail bit. Ran tubing - drilling on umbrella plug.  
9-18-60 Pulled tubing. Put on flat bottom mill. Ran tubing. Milling on umbrella plug.  
9-19-60 Drilled out umbrella plug. Pulled tubing - put on fish tail 2-7/8" bit. Ran tubing.  
9-20-60 Drilled and reversed out sand to 3018'. Pressure up on casing to 1800. Set 30 min. O.K. Reversed out sand to 3030. Tubing plugged with paraffin. Pulled tubing.  
9-21-60 Ran tubing. Set up hot oil unit. Reversed fresh water to clean out paraffin. Reversed to 3030. Well taking water O.K. Pulled tubing. Pulling unit rigged down and moved off.  
9-22-60 Ran tubing with packer. Tagged bottom with tail pipe. Packer seated. Well won't take water. Tubing set on bottom.  
10-14-60 McCullough Tool Company moved in and set up unit. Started cutting 2" tubing with S.M. 179 chemical tubing cutter. Cut tubing under packer.  
10-15-60 Pulled tubing. Tubing backed off top of packer.  
10-20-60 Went in hole with tubing spear. Took hold of fish. Pulled tubing W/2 points drag. No fish.  
10-21-60 Went in hole with 2-3/8" regular tubing spear. Pulled 45000#, slipped out. Pulled 4 times. Pulled out of hole. Stripped plastic out of packer.  
10-22-60 Went in hole. Picked up packer and 7 joints 2" regular pipe. Left 15.20' in hole.  
10-23-60 Went in hole. Stopped 90' off bottom. Pushed fish down 77'. Stuck tubing. Worked loose. Pulled 10½ jts. 2-3/8" tubing. Stuck. Worked loose. Broke slip on tubing spear.  
10-24-60 Went in hole. Picked up top of fish 7.82' off bottom. Worked tubing. Fish stuck. Released spear and pulled out of hole.  
10-26-60 Went in hole with spear, picked up fish and pulled tubing. Got fish.  
10-27-60 Went in hole with 2" tubing and 8 jts. 2" drill pipe with 2-7/8" flat bottom mill. Milled from 3005 to 3030'. Hole clean. Pulled 3 jts. tubing.  
10-28-60 Pulled 2" tubing and mill. Ran 224.02' of 2" tubing and 2785.99' of 2" EUE 8 Rd. cement lined tubing. Ran 18.30' 2" EUE 8 Rd tubing sub with 4½" packer. Packer 2.09' and swedge .80' long. Set tubing at 3027.31'. Tubing out of hole 1'. Started injecting water. No pressure.