

June 30, 1992 Tuesday

Ran in hole with tubing, circulated hole with 10# brine. Rigged up dump bailer. Dumped 20 gals of Flo-check at 385'. Pulled out of hole, pushed 8 5/8 wiper plug down 8 5/8 and spotted it on top of Flo-check. Spotted 20 gals more of Flo-check on top of rubber plug. Dumped 5 sacks of cement and 3% calcium chloride on top of Flo-check. Pulled out of hole. Two hours later tagged cement plug at 368'. Shut down for WOC.

July 1, 1992 Wednesday

Ran in hole with 7 7/8" bit and found plug at 368'. Pulled out of hole, rigged up and ran a string of 5 1/2", 15.50# casing to 367'. Pumped 500 gals of Flo-check ahead of cement. Mixed cement @ 14.3# per gal. Pumped cement and Flo-check at 1 3/4 to 2 bbls per minute. Estimated 75% returns on Flo-check. When good cement began to circulate, mixed 6 bbls of 15.5# cement to leave bottom joint of 5 1/2" casing and around the bottom of the bottom two joints of 5 1/2" casing.

Dropped 5 1/2" top displacement plug. Displaced plug to a depth of 329'. Shut in WOC.

Pumped 100 sacks of class "C" 2% calcium chloride, and circulated 50 sacks of good cement to pit.

July 2, 1992 Thursday

Cut off 5 1/2" casing welded on 1/2" steel plate with 1" collar and valve to seal top of 8 5/8" casing to 5 1/2" casing. Purpose of valve to see if a leak developed between 8 5/8" casing and 5 1/2" casing welded on 5 1/2" bell nipple. Rigged up reverse unit and went in hole with 2 7/8" tubing and 4 3/4" bit. Tagged the plug.

Packed off well head and tested the casing to 550# and held for 30 minutes. (see attached chart) No bleed off was detected. Released the pressure and started drilling out cement in 5 1/2" casing. Drilled pilot hole to 441'. Pulled out of hole. Shut down for the day.

July 3, 1992 Friday

Picked up 3 1/2" collar and 4 3/4" bit. Went in the hole, started drilling. Drilled to 641'. Stopped drilling, picked up off bottom and set bottom of bit at 639'. Packed off well head and shut well in.

July 6, 1992 Monday

Opened well and started injecting fresh water down 2 7/8" at 70# psi. Six hours later began to have 10# brine returns.