



6/16/82 George Mull Construction constructed a 300,000 gallon water storage reservoir five miles south-southwest of hole 28-18. Mull also began leveling the 28-18 site.

6/17/82 Mull completed site preparation. Southwest Drilling moved equipment onto location and began rigging up. Magcobar delivered trailer with mud and other drilling supplies. H&H Oil Tool Co. delivered BOP equipment.

6/18/82 Crew completed rigging up.

6/19/82 Crew began working two shifts. Drilled out cement and casing shoe. Cement from 218-408 feet.

6/20/82 Drilling with 6 1/2" hammer and 100' of 4 7/8" collars. Drilled 408-1,083 feet with penetration rates of 40-10 ft/hr. Penetration decreasing with depth. First water encountered at 600 feet, flowing 40 gpm at 960 feet, and 60 gpm at 1,083 feet. Collected 33°C water sample at 960 feet.

6/21/82 Unable to unload water from hole with air/foam, POH at 1,153. Brake failed while pulling out of hole, elevator and block dropped 40 feet into rotary table, five hours repairing equipment. Change to 6 1/4 button bit, RIH.

6/22/82 Stuck pipe at 1,140 while RIH, crew spent six hours working pipe free, POH. Remainder of day hauling water and mixing mud.

6/23/82 Mixing mud, condition hole, drill 1,153-1,158 feet.

6/24/82 Drilling with mud, drilled 1,158-1,188 feet with 5 feet/hour penetration, POH, put on button finger bit, RIH, drill 1,188-1,333 feet with penetration of 15-20 feet/hour.

6/25/82 Drilling 15 feet/hour from 1,333-1,408 feet. At 1,408 encountered hard fractured shales and chert and loss circulation, stuck rods, worked free, POH, mix mud. RIH and unload hole in stages with air/foam, unable to control water and caving, change back to mud. Considerable LC and caving.

6/26/82 Haul water, mix mud, attempt to condition hole and regain circulation. Numerous bridges below 1,160 feet and difficult to keep hole open from 1,250-1,408 feet. Severe loss circulation at 1,408 feet.

6/27/82 Crew on standby most of day, rig up to ream hole to 8 3/4" in preparation to running 7" casing.

6/28/82 Reaming hole to 8 3/4" from 323-963 feet, plugged bit twice, some caving problems. Losing approximately 10,000 gallons of drilling fluid/day.

6/29/82 Reaming hole to 8 3/4" from 963-1,263 feet, large wash out from 1,128-1,143 feet. Losing approximately 10,000 gallons of drilling fluids/day. H&H Oil Tool Co. delivered 7" elevators.

6/30/82 Reaming hole to 8 3/4" from 1,263-1,303 feet, lost all fluids at 1,303 feet, stuck pipe for four hours, POH. Run 7" casing to 1,165 feet.

7/1/82 RIH and clean hole below 7" casing to 1,290 feet, POH, set casing to 1,303 feet. 2 7/8" tubing arrived on location.

7/2/82 Drilling 1,408-1,448 feet with 6 1/4" button bit and air/foam. Crew having problems with severe vibrations in booster compressor.

7/3/82 Drilling 1,448-1,768 feet with 6 1/4" button bit and air/foam. Lost all returns at 1,620 feet, drill ahead blind. POH at end of shift.

7/4/82 Change bits, RIH, reamed hole from 1,460-1,768 feet and drilled blind from 1,768-1,948. Hole began sluffing in at 1,948 feet, stuck drill pipe, mixed mud, broke pipe free, POH.

7/5/82 RIH, hit bridge at 1,315 feet. Down for repair to booster compressor 0100-0800. Attempt to wash down with mud, unable to clean 1,320-1,328 feet section after six hours of conditioning. POH.

7/6/82 Run 1,904 feet of 2 7/8" tubing, remove BOPE, unable to remove 7" casing. Sand pack hole with 4 yards of sand slurry, release rig at 1430.