

2-8-79

Finished going in hole with bit to +2730'. Did not hit any cement stringers. Pulled out of hole with bit. Rigged up Schlumberger. Ran temperature survey from 2730' to surface. Survey indicated possible channel behind the pipe. Went in hole with Howco RTTS set at 1807'. Attempted to pump in formation at 2500 psi. Unable to establish rate. Spotted 200 gallons 15% acid to packer, put away in formation. When acid hit formation, estimated rate of 2 1/2 barrels per minute at 1900 psi. Pulled out of hole with RTTS. Went in hole with cement retainer set at 1805'. Mixed and pumped 200 sx Howco "Thix-Set" cement with 2% CaCl<sub>2</sub> 1/4# per sack Flocele. After getting 50 sacks of cement into formation, pressure locked up to 2900 psi. (Pressure build-up began with approximately 15 sacks of cement in formation). Stung out of retainer, reversed out 125 sacks cement and pulled out of hole. Present operation: waiting on cement.

2-9-79

Finished waiting on cement. Went in hole with bit and began drilling retainer at 1805' and cement below. Present operations: drilling cement at 1857'.

2-10-79

Finished drilling cement. Fell out cement at +1920'. Circulated hole clean, checked for back flow, had small stream. Pulled out of hole with bit. Went in hole with RTTS, set at 1990'. Rigged up Schlumberger, perforated at 2058' with 4 jet shots per foot. Checked for waterflow through drill pipe, did not have any. Attempted to break down perforations, unable to do so at 2500 psi. Unset packer, lowered to 2077'. Spotted 200 gallons, 15% acid. Reset packer at 1990'. Still unable to break down perforations at 2500 psi. Reversed acid out, reset packer at 1990'. Checked water flow on back side; had flow rate of 0.8 barrels per hour. Present operations: obtaining shut in pressure from water flow on back side.

2-11-79

Finished shut in pressure from waterflow. Final shut in pressure: 750 psi after 4 hours. Unset and pulled out of hole with packer. Went in hole with bit and drilled out bottom cast iron bridge plug at 2805'. Continued in hole with bit to 7235'. Finished drilling up cast iron bridge plug. Pulled out of hole. Went in hole with bladed junk mill and junk basket. Milled on junk. Present operation: pulling out of hole with mill.

2-12-79

Went in hole with mill tooth bit and 2 junk baskets. Drilled from 7235-7266' and quit making hole. Present operation: pulling out of hole to change bit and empty junk basket.

