

Prep to run temp svy. Jet perf's 2 0.48" holes at 2800'. Pumped 130 bbls 9.0#/gal cut BW. Mixed and pumped 525 sx Class H w/1/4# Floccle, 0.5 of 1% CFR-2 and 5# salt/sack. Displaced down 7" csg to 2600' PD at 1255 MDT 8-29-76. Cmt did not circ. Had full circ throughout job.

Ran temp survey. Tagged cmt inside 7" @ 2340'. No cmt indication outside 7".

WOC last 24 hrs.

Tagged cmt inside 7" @ 2385'. Closed rams and press tested to 1000#/15 mins - ok. Drld hard cmt 2385-2803'.

Press tested cmt job to 1000#/15 mins - ok. Washed 10' sand off CIBP 3890-3900'. Drld 15 mins on CIBP @ 3900'. Plug dropped 6" and lost circ. Pumped 180 bbls 9.0#/gal cut BW w/o returns and a slight blow started from 7" X 9" annulus.

Set RTTS @ 3685' and press tested RBP to 1000# - ok. Released RTTS and closed rams. Press'd up on 7" to 1000#. Bled to zero in 2 mins and broke circ out the 7" X 9" annulus. Pulled RTTS and set @ 2707'. Press to 1000# below RTTS - ok. Leaked above. Reset RTTS @ 1287', 636' 447' and 405'. In each instance press to 1000# below RTTS - ok. Leaked above. Set RTTS at 383'. Held press above RTTS. Leaked below. Isolated lead between 383-405'. Pumped in leak at 1/8 B/M at 800# w/circ out 7" X 9" annulus.

Run in hole w/OE'd 3-1/2" EUE tbg to 3707'. Spotted 3 sx sand on top of RBP set @ 3707' (plugged back to 3692'). Closed rams. Mixed and pumped 70 sx Class H w/2% CaCl. Leak squeezed to max press 1800# w/8 sx in annulus between 7" and 9" and 62 sx in 7". Job complete at 1200 MDT 9-3-76. WOC 3 Hrs. Drlg cmt @ 4:00 pm. Hit wooden plug @ 12'.

Drld wooden plug and cmt 12'-65'. No blow on 9" X 7" annulus.

Drld hard cmt inside 7" csg 65-215'. No blow on 9" X 7" annulus.

Drld cmt 215-335'. Fell free and lowered to 420'. Tested 7" csg to 500# 0 15 mins - ok. No blow on 7" X 9" annulus. Ran csg scraper to 420'. Run in hole w/Halliburton retrieving tool and tagged sand at 3694'. Washed sand off RBP and released RBP. Well went on vac when RBP was released.

Going in hole to drill CIBP. Tagged at 3902'. Drld 1/2 of BP in 3 hrs without circ. Plug released. Pushed body of BP to TD 4212'.

Run pump w/3-1/2" tbg.

Well pumping.