

Howco cemented as follows:

First Stage: 1000 sxs. Lite w/ .6% Halad 9, 3# gel, 1/4# flocele and tailed in w/ 200 sxs.
Class "H" cement w/ .8% Halad 9.
Plug down @ 2:20 PM
Total cement-1200 sxs
Circulated 40 sxs. cement

Second Stage: 2050 sxs lite w/.6% Halad 9, 3# gel, 1/4# flocele. Tailed in w/ 200 sxs.
Class "H" cement w/ .8% Halad 9.
Plug down @ 12:20 AM-cement did not circulate.
Total cement-2250 sxs.

Cement 1st Stage - 1200 sxs-Circ. 40 sxs.

Cement 2nd Stage - 2250 sxs-Circ. 0 sxs.

TOTAL . 3450 sxs-Circ. 40 sxs.

2-5-82 Ran temperature survey and found top of cement @ 5600'.