

CHARLES LING FEDERAL COM #214H
30-025-45083

HOLE SIZE	SIZE/GRADE	WEIGHT	TOP	BOTTOM	STAGE TOOL	SACKS & TYPE	SLURRY VOLUME	CEMENT TOP	PRESSURE TEST/LENGTH
24"	20" J55	106.5#		120'		450 SX		Surface	
17-1/2"	13-3/8" J55 BT&C	54.6#		1349'		1140 sx	327	Circulate	1500 psi for 30 mins, OK
12-1/4"	9-5/8" J55 BT&C	40#		5213'		1810 sx	528	Circulate	1500 psi for 30 mins, OK
8-3/4"	7-5/8" HTFNR	29.7		11890'		740 sx	274	No cmt to surf	2820 psi for 30 mins, OK
6-3/4"	5-1/2" P110 TCP Buttress	20#		011000'					
	5-1/2" P110 DWC-IS Plus	20#	11000	17092'		870 sx	268	8818' by CBL	5688 psi for 30 mins, OK

Hit tight spot at 11619' while RH with casing. Worked pipe down to 11890' and hit tight spot. Worked pipe - unable to work pipe free. Spotted 80 bbl lube pill followed by 70 bbl diesel pill (diesel pill ~ 230 bbls behind slick pill). Circulate 70 bbl diesel pill out of system. Decision made to cement casing at 11890'.