

SWIFT Services, Inc.

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DRUMMING & NELSON

WELL NO. 1-5

LEASE Oelkers-Werth

JOB TYPE cement long string

TICKET NO. 29593

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sk SA-2 cement w/ $\frac{1}{8}$ " floccle
								5 1/2" x 17" casing 90 jts TD = 3677
								total pipe = 3676' sbjt 20.48'
								Centralizer 1, 3, 5, 7, 9, 11 Bskt #2
	1700							on TRK 114
	1845							start 5 1/2" x 17" casing in well
	2030							Drop ball - circulate - ROTATE
	2053	3 1/2	12				200	Pump 500 gal mix flush
		3 1/2	20				200	Pump 20 bbl KCL flush
			7					Plug RH - MH 30 sk - 30 sk
	2108	4 1/2	35				200	mix SA-2 cement 125 sk @ 15.3 ppg
								Drop latch down plug
								wash out Pump & Line
	2127	6					200	Displace plug
		6	65				400	
		6	78				650	
	2145	6	84				1530	Land plug
								Release pressure to truck - closed up
	2150							wash truck
								Rock up
	2215							job complete
								Thanks
								Blaine Shore & F&N