

## 2.0 Real-Time Job Summary

## 2.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	12/21/2017	18:00:00	USER					REQUESTED ON LOCATION TIME 0700 12/22/17
Event	2	Pre-Convoy Safety Meeting	12/21/2017	21:30:00	USER					ALL HES EMPLOYEES
Event	3	Arrive At Loc	12/22/2017	01:30:00	USER					RIG DRILLING
Event	4	Meet With Company Rep	12/22/2017	05:00:00	USER					COMPANY REP OFFERED SDS / WATER TEST
Event	5	Assessment Of Location Safety Meeting	12/22/2017	05:20:00	USER					ALL HES EMPLOYEES
Event	6	Pre-Rig Up Safety Meeting	12/22/2017	05:30:00	USER					ALL HES EMPLOYEES
Event	7	Rig-Up Equipment	12/22/2017	05:45:00	USER					1 HT-400 PUMP TRUCK (ELITE#2) ON LOCATION FROM PREVIOUS JOB 1 FREUHAUF 1 F-550 PICKUP
Event	8	Pre-Job Safety Meeting	12/22/2017	08:00:00	USER					ALL HES EMPLOYEES AND RIG CREW RIG CIRCULATED @ 432 GPM @ 112 PSI PRIOR TO THE JOB
Event	9	Start Job	12/22/2017	08:08:00	COM6					TD: 890 TP: 874 SJ: 44 CSG: 8 5/8 32# J-55 OH: 12 1/4 MUD WT: 9.3 PPG
Event	10	Prime Lines	12/22/2017	08:09:30	COM6	8.33	1.0	100	2.0	PRIME LINES WITH 2 BBLs FRESH WATER
Event	11	Test Lines	12/22/2017	08:12:26	COM6	8.33	0.0	3702	2.0	PRESSURE TEST OK
Event	12	Pump Fresh Water Spacer	12/22/2017	08:15:56	COM6	8.33	4.0	120	20	PUMP 20 BBL FRESH WATER SPACER
Event	13	Pump Lead Cement	12/22/2017	08:25:27	COM6	12.3	8.0	400	37.2	85 SKS 12.3 PPG 2.46 YIELD 14.17 GAL/SK LEAD CEMENT WEIGHT VERIFIED VIA PRESSURIZED MUD SCALES
Event	14	Pump Tail Cement	12/22/2017	08:30:15	COM6	12.8	8.0	390	50.5	130 SKS 12.8 PPG 2.18 YIELD 12.11 GAL/SK TAIL WEIGHT VERIFIED VIA PRESSURIZED MUD SCALES

Event	15	Shutdown	12/22/2017	08:38:55	COM6					SHUTDOWN TO DROP TOP PLUG
Event	16	Drop Top Plug	12/22/2017	08:41:31	COM6					PLUG AWAY NO PROBLEM, WASHED UP ON TOP OF THE PLUG
Event	17	Pump Displacement	12/22/2017	08:43:05	COM6	8.33	8.0	500	50.5	FRESH WATER DISPLACEMENT
Event	18	Slow Rate	12/22/2017	08:50:00	USER	8.33	2.0	210	40	SLOW RATE TO BUMP PLUG
Event	19	Bump Plug	12/22/2017	08:55:16	COM6	8.33	2.0	867	50.5	PSI BEFORE BUMPING PLUG @ 210 BUMPED PLUG UP TO 867 PSI
Event	20	Check Floats	12/22/2017	08:57:23	COM6					FLOATS HELD, 1/2 BBL BACK TO DISPLACEMENT TANKS
Event	21	End Job	12/22/2017	08:59:00	COM6					GOOD RETURNS THROUGHOUT JOB, PIPE STATIC THROUGHOUT JOB 16 BBLs OF CEMENT TO SURFACE
Event	22	Pre-Rig Down Safety Meeting	12/22/2017	09:10:00	USER					ALL HES EMPLOYEES
Event	23	Rig-Down Equipment	12/22/2017	09:15:00	USER					
Event	24	Pre-Convoy Safety Meeting	12/22/2017	10:55:00	USER					ALL HES EMPLOYEES
Event	25	Crew Leave Location	12/22/2017	11:00:00	USER					THANK YOU FOR USING HALLIBURTON CEMENT, DUSTIN SMITH AND CREW