

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	Downhole Density (ppg)	Combined Pump Rate (bbl/min)	Pass-Side Pump Pressure (psi)	Pump Stage Total (bbl)	Comments
Event	1	Call Out	11/22/2017	04:00:00	USER					ALL HES CALLED OUT - ON LOCATION 09:00
Event	2	Pre-Convoy Safety Meeting	11/22/2017	05:45:00	USER					JOURNEY CREATED - ALL HES INVOLVED IN SAFETY MEETING
Event	3	Crew Leave Yard	11/22/2017	06:15:00	USER					1-F-550 PICKUP WITH COMPRESSOR TRAILER, 1-ELITE PUMP TRUCK, 1-660 BULK TRUCK
Event	4	Arrive At Loc	11/22/2017	08:30:00	USER					HES ARRIVED ON TIME
Event	5	Assessment Of Location Safety Meeting	11/22/2017	08:45:00	USER					RIG WAS BEGINNING TO RUN CASING - HES REP SPOKE WITH COMPANY REP
Event	6	Pre-Rig Up Safety Meeting	11/22/2017	09:00:00	USER					JSA FILLED OUT AND REVIEWED BY ALL HES
Event	7	Rig-Up Equipment	11/22/2017	09:30:00	USER					SPOT IN AND LOAD CEMENT SILO - SPOT PUMP TRUCK, RIG UP IRON TO THE RIG FLOOR, WATER HOSE TO RIG UPRIGHT AND BULK HOSE TO CEMENT SILO
Event	8	Rig-Up Completed	11/22/2017	10:30:00	USER					COMPLETED
Event	9	Pre-Job Safety Meeting	11/22/2017	10:45:00	USER					ALL HES, RIG CREW AND COMPANY REP INVOLVED IN PRE-JOB SAFETY MEETING
Event	10	Start Job	11/22/2017	12:18:01	COM5					TD: 840FT TP: 827FT SJ: 41FT OH: 12.25" CSG: 8.625 32# J-55 MUD WT: 9.3 WTR TEST- TEMP: 60 CHLOR: 0 PH: 7
Event	11	Test Lines	11/22/2017	12:19:40	COM5			3220		PRESSURE TEST LINES TO 3000 PSI - HAD SOME TROUBLE GETTING PRESSURE TO HOLD FOUND OUT IT WAS LEAKING BY THE 2" LO-TORC ON THE PLUG CONTAINER - FIXED PROBLEM PRESSURE TEST WAS GOOD
Event	12	Fresh Water Spacer	11/22/2017	12:26:17	COM5	8.34	4	75	20	20 BBL FRESH WATER SPACER AHEAD PUMPED AT 4

										BBLs/MIN PRESSURE WAS 75 PSI
Event	13	Pump Lead Cement	11/22/2017	12:33:20	COM5	12.3	8	345	30.2	69SKS OF VARICEM CEMENT (30.2BBLs) 12.3PPG 2.46YIELD 14.17GAL/SK WEIGHT OF CEMENT VERIFIED VIA MUD SCALES THROUGHOUT LEAD CEMENT
Event	14	Pump Tail Cement	11/22/2017	12:37:29	COM5	12.8	8	325	50.5	130SKS OF VARICEM CEMENT (50.5BBLs) 12.8PPG 2.18YIELD 12.11GAL/SK WEIGHT OF CEMENT VERIFIED VIA MUD SCALES THROUGHOUT TAIL CEMENT
Event	15	Shutdown	11/22/2017	12:45:57	USER					SHUTDOWN END OF CEMENT - HES WASHED UP ON TOP OF THE PLUG - READY TANKS FOR DISPLACEMENT
Event	16	Drop Top Plug	11/22/2017	12:48:12	COM5					TOP PLUG AWAY NO PROBLEMS
Event	17	Pump Displacement	11/22/2017	12:48:20	COM5	8.34	8	360	37.8	HES WASHED UP ON TOP OF THE PLUG - FRESH WATER DISPLACEMENT
Event	18	Slow Rate	11/22/2017	12:55:01	USER	8.34	2	170	10	SLOW RATE TO BUMP THE PLUG - PRESSURE PRIOR TO SLOWING WAS 360 PSI AT 8 BBLs/MIN
Event	19	Bump Plug	11/22/2017	13:00:26	COM5	8.34	2	200	47.8	PLUG BUMPED AT CALCULATED DISPLACEMENT - PLUG BUMPED AT 2BBLs/MIN PRESSURE WAS 200 PSI TOOK TO 790 PSI
Event	20	Check Floats	11/22/2017	13:01:38	USER			790		FLOATS HELD 1/4 BBL BACK TO TANKS - 10BBLs OF CEMENT TO SURFACE - RIG USED NO SUGAR
Event	21	End Job	11/22/2017	13:03:24	COM5					THANK YOU FOR CHOOSING HALLIBURTON CEMENT CARL KUKUS AND CREW
Event	22	Pre-Rig Down Safety Meeting	11/22/2017	13:10:00	USER					JSA REVIEWED - ALL HES IN ATTENDANCE FOR SAFETY MEETING
Event	23	Rig-Down Equipment	11/22/2017	13:15:00	USER					WASH UP AND BLOW DOWN PUMP TRUCK - RIG DOWN ALL IRON, WATER HOSES AND BULK EQUIPMENT
Event	24	Rig-Down Completed	11/22/2017	14:15:00	USER					COMPLETED
Event	25	Pre-Convoy Safety Meeting	11/22/2017	14:20:00	USER					CREW WILL BE WAITING IN THE FIELD TO CATCH NEXT SURFACE JOB
Event	26	Crew Leave Location	11/22/2017	14:30:00	USER					1-F-550 PICKUP WITH COMPRESSOR TRAILER, 1-ELITE PUMP TRUCK, 1-FRUEHAUFF