

## 2.0 Real-Time Job Summary

### 2.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	Downhole Density <i>(ppg)</i>	Combined Pump Rate <i>(bbl/min)</i>	Pass-Side Pump Pressure <i>(psi)</i>	Pump Stage Total <i>(bbl)</i>	Comments
Event	1	Call Out	12/8/2017	20:00:00	USER					HES CREW CALLED - ON LOCATION 02:00
Event	2	Pre-Convoy Safety Meeting	12/8/2017	22:30:00	USER					JOURNEY CREATED - ALL HES INVOLVED IN SAFETY MEETING
Event	3	Crew Leave Yard	12/8/2017	22:45:00	USER					1-F-550 PICKUP, 1-ELITE PUMP TRUCK, 2-660 BULK TRUCKS
Event	4	Arrive At Loc	12/9/2017	01:00:00	USER					HES ARRIVED 1 HOUR EARLY
Event	5	Assessment Of Location Safety Meeting	12/9/2017	01:10:00	USER					RIG WAS RIGGING UP WIRELINE TO LOG HOLE - HES REP SPOKE WITH COMPANY REP AND GOT WOC SIGNED
Event	6	Pre-Rig Up Safety Meeting	12/9/2017	03:30:00	USER					JSA FILLED OUT AND REVIEWED BY ALL HES
Event	7	Rig-Up Equipment	12/9/2017	03:45:00	USER					RIG UP IRON TO THE RIG FLOOR - WATER HOSES TO RIG UPRIGHT - BULK EQUIPMENT TO PUMP TRUCK
Event	8	Rig-Up Completed	12/9/2017	04:45:00	USER					COMPLETED SAFELY
Event	9	Pre-Job Safety Meeting	12/9/2017	05:00:00	USER					ALL HES, RIG CREW AND COMPANY REP INVOLVED IN SAFETY MEETING
Event	10	Other	12/9/2017	05:00:01	USER					TD: 840FT TP: 825FT OH: 12.25 CSG: 8.625 32# J-55 MUD WT: 9.1 - WATER TEST: TEMP- 45 CHLOR- 0 PH-7
Event	11	Start Job	12/9/2017	06:45:52	COM5					START JOB
Event	12	Fill LINES	12/9/2017	06:48:27	USER	8.34	2	92	2	FILL LINES WITH 2BBLs OF WATER TO PRESSURE TEST
Event	13	Test Lines	12/9/2017	06:51:31	COM5			3350		PRESSURE TEST LINES TO 3350 PSI, PRESSURE TEST GOOD
Event	14	Fresh Water Spacer	12/9/2017	06:53:33	COM5	8.34	4	190	20	20 BBL FRESH WATER SPACER
Event	15	Check weight	12/9/2017	06:57:31	COM5	12.3				VERIFIED WEIGHT OF FIRST TUB OF CEMENT

Event	16	Pump Lead Cement	12/9/2017	07:04:27	COM5	12.3	7	320	35.9	82SKS OF VARICEM CEMENT (35.9BBLS) 12.3PPG 2.46YIELD 14.17GAL/SK WEIGHT OF CEMENT VERIFIED VIA PRESSURIZED MUD SCALES THROUGHOUT LEAD CEMENT
Event	17	Pump Tail Cement	12/9/2017	07:10:22	COM5	12.8	7	310	50.5	130SKS OF VARICEM CEMENT (50.5BBLS) 12.8PPG 2.18YIELD 12.11GAL/SK WEIGHT OF CEMENT VERIFIED VIA PRESSURIZED MUD SCALES THROUGHOUT TAIL CEMENT
Event	18	Shutdown	12/9/2017	07:17:28	USER					SHUTDOWN END OF CEMENT - HES WASHED UP ON TOP OF THE PLUG
Event	19	Drop Top Plug	12/9/2017	07:20:50	USER					TOP PLUG AWAY - NO PROBLEMS
Event	20	Pump Displacement	12/9/2017	07:21:12	COM5	8.34	10	545	37.7	FRESH WATER DISPLACEMENT
Event	21	Slow Rate	12/9/2017	07:26:19	USER	8.34	2	210	10	SLOW RATE TO LAND THE PLUG - PRESSURE PRIOR TO SLOWING WAS 545 PSI AT 10 BPM - PRESSURE AFTER SLOWING WAS 210 PSI AT 2 BPM
Event	22	Bump Plug	12/9/2017	07:31:40	COM5	8.34	2	264	47.7	PLUG BUMPED AT 264 PSI AT 2BPM TOOK TO 935 PSI
Event	23	Check Floats	12/9/2017	07:32:12	COM5			935		FLOATS HELD .5BBL BACK TO TANKS - 18 BBLS OF CEMENT TO SURFACE - RIG USED NO SUGAR
Event	24	End Job	12/9/2017	07:32:58	COM5					THANK YOU FOR CHOOSING HALLIBURTON CEMENT CARL KUKUS AND CREW
Event	25	Pre-Rig Down Safety Meeting	12/9/2017	07:40:00	USER					JSA REVIEWED - ALL HES INVOLVED IN SAFETY MEETING
Event	26	Rig-Down Equipment	12/9/2017	07:45:00	USER					WASH UP AND BLOW DOWN PUMP TRUCK - RIG DOWN ALL IRON, WATER HOSE AND BULK EQUIPMENT - 8 5/8" PLUG CONTAINER WAS LEFT ON THE RIG FLOOR FOR THE NEXT SURFACE
Event	27	Rig-Down Completed	12/9/2017	08:30:00	USER					COMPLETED SAFELY
Event	28	Pre-Convoy Safety Meeting	12/9/2017	08:45:00	USER					JOURNEY CREATED - ALL HES INVOLVED IN SAFETY MEETING
Event	29	Crew Leave Location	12/9/2017	09:00:00	USER					1-F-550 PICKUP, 1-ELITE PUMP TRUCK, 2-660 BULK TRUCKS