

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Comments
Event	1	Call Out	Call Out	5/9/2019	16:00:00	USER	Crew called out and was requested to be on location @ 2100.
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	5/9/2019	17:50:00	USER	Crew discussed the route of travel.
Event	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	5/9/2019	18:00:00	USER	Crew left the yard.
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	5/9/2019	19:40:00	USER	Crew arrived on location early and the rig was running casing.
Event	5	Safety Meeting - Assessment of Location	Safety Meeting - Assessment of Location	5/9/2019	19:50:00	USER	Spotting in trucks and supervisor met with the customer and got the well information. TD-16,982' TP-16,961.6.' SJ-47.5' FC-16,914.1' Cas-5.5" 17# P110 PC-9.625" 36# Set @ 1949' Mud Weight-9.4 ppg OBM, TVD-6072' OH-8.5."
Event	6	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	5/9/2019	20:00:00	USER	Discussed rig up procedure and signed the JSA.
Event	7	Rig-Up Equipment	Rig-Up Equipment	5/9/2019	20:10:00	USER	Rigged up all HES equipment and lines.
Event	8	Rig-Up Completed	Rig-Up Completed	5/9/2019	21:00:00	USER	All HES equipment and lines rigged up safely.
Event	9	Casing on Bottom	Casing on Bottom	5/9/2019	22:20:00	USER	Casing on Bottom with the landing joint. The rig circulated @ 10. bpm 820 psi with a full bottoms up.

Event	10	Pre-Job Safety Meeting	Pre-Job Safety Meeting	5/9/2019	23:10:00	USER	Discussed the job procedure and pressures with all personnel involved with the cement job.
Event	11	Check Weight	Check Weight	5/9/2019	23:37:46	COM4	Checked the weight of the spacer with the pressurized mud scales scaled @ 11.5 ppg.
Event	12	Other	Other	5/9/2019	23:49:06	COM4	Fill lines with 5 bbls of water 3 bpm 230 psi.
Event	13	Test Lines	Test Lines	5/9/2019	23:53:28	COM4	Tested the rigs I BOP to 3000 psi and held for 1 min no leaks.
Event	14	Drop Bottom Plug	Drop Bottom Plug	5/9/2019	23:55:45	COM4	Stung out of the casing and loaded the first bottom plug, the customer and Halliburton rep witnessed the plug drop.
Event	15	Test Lines	Test Lines	5/9/2019	23:58:16	COM4	Tested HES lines to 4500 psi and held for 2 min no leaks.
Event	16	Pump Spacer 1	Pump Spacer 1	5/10/2019	00:00:12	COM4	Pumped 120 bbls of Tunes spacer @ 11.5 ppg 3.79 yield 23.9 gal/sk Used Musol A and Dual B added through out.
Event	17	Shutdown	Shutdown	5/10/2019	00:35:10	COM4	Shutdown and bled the psi off to the wash up tank and the driller stung out of the casing with the CRT.
Event	18	Drop Bottom Plug	Drop Bottom Plug	5/10/2019	00:37:05	COM4	Loaded the second bottom plug and the customer and halliburton rep witnessed the plug drop.
Event	19	Check Weight	Check Weight	5/10/2019	00:38:00	COM4	Checked the weight of the Cap Cement with the pressurized mud scales scaled @ 13.2 ppg.

Event	20	Pump Cap Cement	Pump Cap Cement	5/10/2019	00:40:14	COM4	Pumped 42 bbls of Cap Cement @ 13.2 ppg 1.68 yield 8.04 gal/sk (140 sks) 6 bpm 470 psi.
Event	21	Pump Lead Cement	Pump Lead Cement	5/10/2019	00:51:01	COM4	Pumped 135 bbls of Lead Cement @ 13.2 ppg 1.68 yield 8.06 gal/sk (451 sks) 8 bpm 540 psi.
Event	22	Check Weight	Check Weight	5/10/2019	00:51:26	COM4	Checked the weight of the Lead Cement with the pressurized mud scales scaled @ 13.2 ppg.
Event	23	Check Weight	Check Weight	5/10/2019	00:53:34	COM4	Checked the weight of the Lead Cement with the pressurized mud scales scaled @ 13.2 ppg.
Event	24	Pump Tail Cement	Pump Tail Cement	5/10/2019	01:15:18	COM4	Pumped 409 bbls of Tail Cement @ 13.2 ppg 2.04 yield 9.75 gal/sk (1126 sks) started pumping Tail cement @ 8 bpm no issues, when we got 80 bbls in tail the pumps started to cavitate so we slowed our rate down to 4 bpm to prevent from surging or from having irregular pressures.
Event	25	Check Weight	Check Weight	5/10/2019	01:15:50	COM4	Checked the weight of the Tail Cement with the pressurized mud scales scaled @ 13.1 ppg.
Event	26	Check Weight	Check Weight	5/10/2019	01:42:47	COM4	Checked the weight of the Tail Cement with the pressurized mud scales scaled @ 13.2 ppg.

Event	27	Shutdown	Shutdown	5/10/2019	03:35:29	COM4	Shutdown to rack back the pumps to the truck and when we racked back to the pump ,we had no cavitation but the customer was not comfortable with HES trying to pump displacement , so i made the call turn it over to the rig to displace enable to perform proper rate for the well.The rig circulated @ 10 bpm with 4288.85 strokes calculated to be pumped. The HMI gauge read 4323 strokes.. we watched for 5 min and checked the floats, the floats held we got 5.6 bbls back to tank 2, we started with 5.67.
Event	28	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	5/10/2019	04:20:00	USER	Crew held a safety meeting discussing the rig down procedure. Also all potential hazards associated with rigging down all HES equipment and lines.
Event	29	Rig Down Lines	Rig Down Lines	5/10/2019	04:30:00	USER	The crew rigged down all HES equipment and lines.
Event	30	End Job	End Job	5/10/2019	05:21:17	COM4	Cement Job complete calculated tops - TOTC-6937' TOLC #2-3628' TOCap-1393' We got interface of spacer back to surface.
Event	31	Rig-Down Completed	Rig-Down Completed	5/10/2019	05:30:00	USER	Rig down completed no one got hurt.
Event	32	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	5/10/2019	06:50:00	USER	The crew held a pre journey safety meeting discussing the route and potential hazards while driving.

Event	33	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	5/10/2019	07:00:00	USER	Kamereon White and crew would like to thank you for your business and choosing Halliburton Cement. Please give us a call if you have any questions.
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3.0 Attachments

3.1 Job Chart



