

## 2.0 Real-Time Job Summary

### 2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Downhole Density (ppg)	Pass-Side Pump Pressure (psi)	Driv-Side Pump Rate (bbl/min)	Comments
Event	1	Safety Meeting - Service Center or other Site	Safety Meeting - Service Center or other Site	12/6/2016	09:15:00	USER				Journey Management Meeting with HES Crew prior to departing service center.
Event	2	Arrive At Loc	Arrive At Loc	12/6/2016	10:15:00	USER				Arrive on Location at 1015 (Requested O/L 0930) Late to location due to driver DOT HOS
Event	3	Safety Meeting - Pre Job	Safety Meeting - Pre Job	12/6/2016	11:00:00	USER				Pre-Job Safety Meeting with HES Crew and All 3rd Party Employees. Discussed Spotting of Trucks, Rig-up, Job Procedure, Emergency Procedures, and ways to mitigate risks.
Event	12	Other	Other	12/6/2016	11:40:00	USER	8.50	4.37	0.00	4 1/2" Csg. Cut off at 2500', Tubing set at 2506', ~10" OH, 8 5/8" Csg. set at 766'. Water Provided by Rig, Tested as Follows pH-8, Sulfates <200, Chlorides - 0
Event	21	Test Lines	Test Lines	12/6/2016	11:46:20	RTD Import	8.52	3290.86	0.00	Pressure Test Lines to 3290 PSI
Event	30	Pump Spacer 1	Pump Spacer 1*	12/6/2016	11:52:07	RTD Import	8.45	262.54	1.82	Pump 10 bbls Fresh Water (Establish Circulation at 6 bbls Away)
Event	33	Pump Spacer 2	Pump Spacer2*	12/6/2016	12:00:36	RTD Import	8.33	391.63	2.06	Pump 12 bbls Mud Flush
Event	38	Pump Spacer 1	Pump Spacer 1*	12/6/2016	12:05:37	RTD	8.31	411.41	2.06	Pump 10 bbls Fresh Water

		Import								
Event	48	Pump Cement	Pump Cement*	12/6/2016	12:10:56	RTD Import	8.29	287.98	2.08	Mix and Pump 150 sks (30.7 bbls) Class G Neat Cement @ 15.8 lb/gal (Density Verified by Pressurized Scales)
Event	77	Pump Displacement	Pump Displacement*	12/6/2016	12:21:52	RTD Import	10.72	479.25	2.22	Pump 8 bbls Fresh Water Displacement
Event	107	Shutdown	Shutdown	12/6/2016	12:25:45	USER	8.31	131.57	0.52	Shutdown, POOH to 869'
Event	122	Pump Spacer 1	Pump Spacer 1*	12/6/2016	13:12:17	RTD Import	8.36	61.85	2.03	Pump Fresh Water (Establish Circulation at 1 bbl Away)
Event	129	Pump Cement	Pump Cement*	12/6/2016	13:19:35	RTD Import	15.76	131.57	3.17	Pump 300 sks (61.4 bbls) Class G Neat Cement @ 15.8 lb/gal (Density Verified by Pressurized Scales)
Event	137	Cement Returns to Surface	Cement Returns to Surface	12/6/2016	13:33:25	USER	15.82	402.93	3.00	Cement Returns to Surface
Event	140	Shutdown	Shutdown	12/6/2016	13:35:53	USER	14.93	37.35	0.00	Shutdown, RDBOP
Event	180	Pump Cement	Pump Cement*	12/6/2016	14:25:13	RTD Import	16.24	21.33	0.44	Pump 3 bbls Cement, Top-out Well (Total Cement Used for Surface Plug 320 sks (65.5 bbls))
Event	181	Safety Meeting - Pre Rig-Down	Safety Meeting - Pre Rig-Down	12/6/2016	14:25:14	USER	16.25	20.39	0.43	Safety meeting prior to rigging down
Event	182	Safety Meeting - Departing Location	Safety Meeting - Departing Location	12/6/2016	14:25:15	USER	16.26	20.39	0.53	Journey Management Meeting with HES Crew prior to departing location