

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS

For: Lynn Cass/Abraham Alexander/Mark Mewshaw

Date: Sunday, August 28, 2016

RU 323-7 Surface

API# 05-045-23133-00

Sincerely,
Grand Junction Cement Engineering

1.0 Real-Time Job Summary

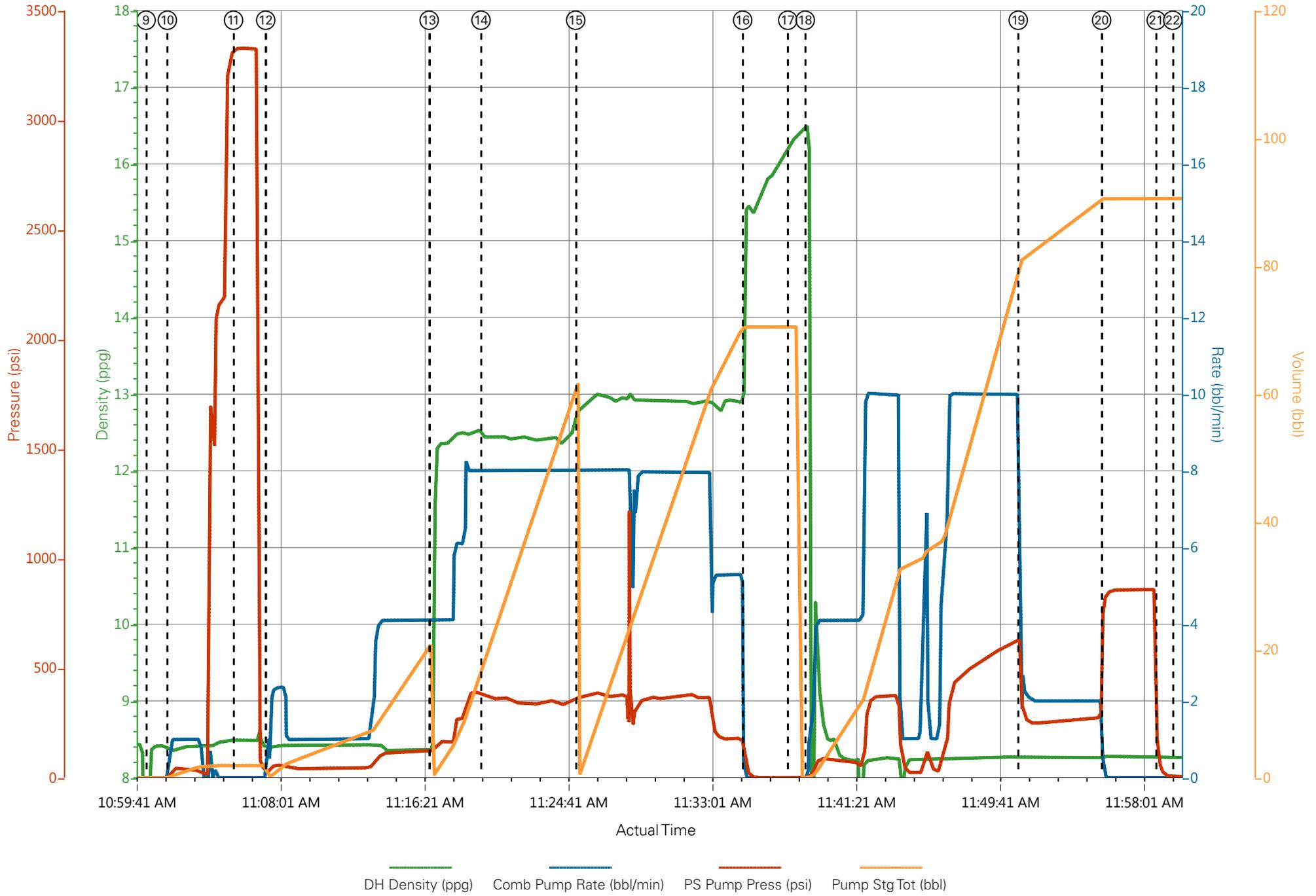
1.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	DH Density <i>(ppg)</i>	Comb Pump Rate <i>(bbl/min)</i>	PS Pump Press <i>(psi)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Call Out	8/28/2016	01:00:00	USER					O/L time 0700
Event	2	Pre-Convoy Safety Meeting	8/28/2016	02:45:00	USER					
Event	3	Crew Leave Yard	8/28/2016	03:00:00	USER					1 Elite, 1 660, 1 pickup
Event	4	Arrive At Location	8/28/2016	04:30:00	USER					Rig finishing pulling drill pipe
Event	5	Assessment Of Location Safety Meeting	8/28/2016	04:45:00	USER					JSA completed - customer offered/received SDS - water test pH 7.0, Cl 0, temp 64 degrees
Event	6	Pre-Rig Up Safety Meeting	8/28/2016	05:00:00	USER					
Event	7	Rig-Up Equipment	8/28/2016	05:15:00	USER					Hard line to standpipe, water hose to upright, bulk hose to 660
Event	8	Pre-Job Safety Meeting	8/28/2016	10:45:00	USER					All HES personnel, rig crew, and company rep
Event	9	Start Job	8/28/2016	11:00:23	USER					TD 1183', TP 1177.27', SJ 46.55', Mud 9.5#, 13 1/2" OH, 9 58" 32.3# H40 casing
Event	10	Prime Lines	8/28/2016	11:01:36	USER	8.33	2.0	55	2.0	Fresh water
Event	11	Test Lines	8/28/2016	11:05:26	COM5			3341		Pressure held well
Event	12	Pump H2O Spacer	8/28/2016	11:07:18	COM5	8.33	4.0	130	20.0	Fresh water
Event	13	Pump Lead Cement	8/28/2016	11:16:46	COM5	12.3	8.0	375	55.1	130 sks, 12.3 ppg, 2.38 yield, 13.77 gal/sk
Event	14	Check weight	8/28/2016	11:19:46	COM5	12.3				Recirc matched mud scales
Event	15	Pump Tail Cement	8/28/2016	11:25:15	COM5	12.8	8.0	388	65.8	175 sks, 12.8 ppg, 2.11 yield, 11.78

gal/sk

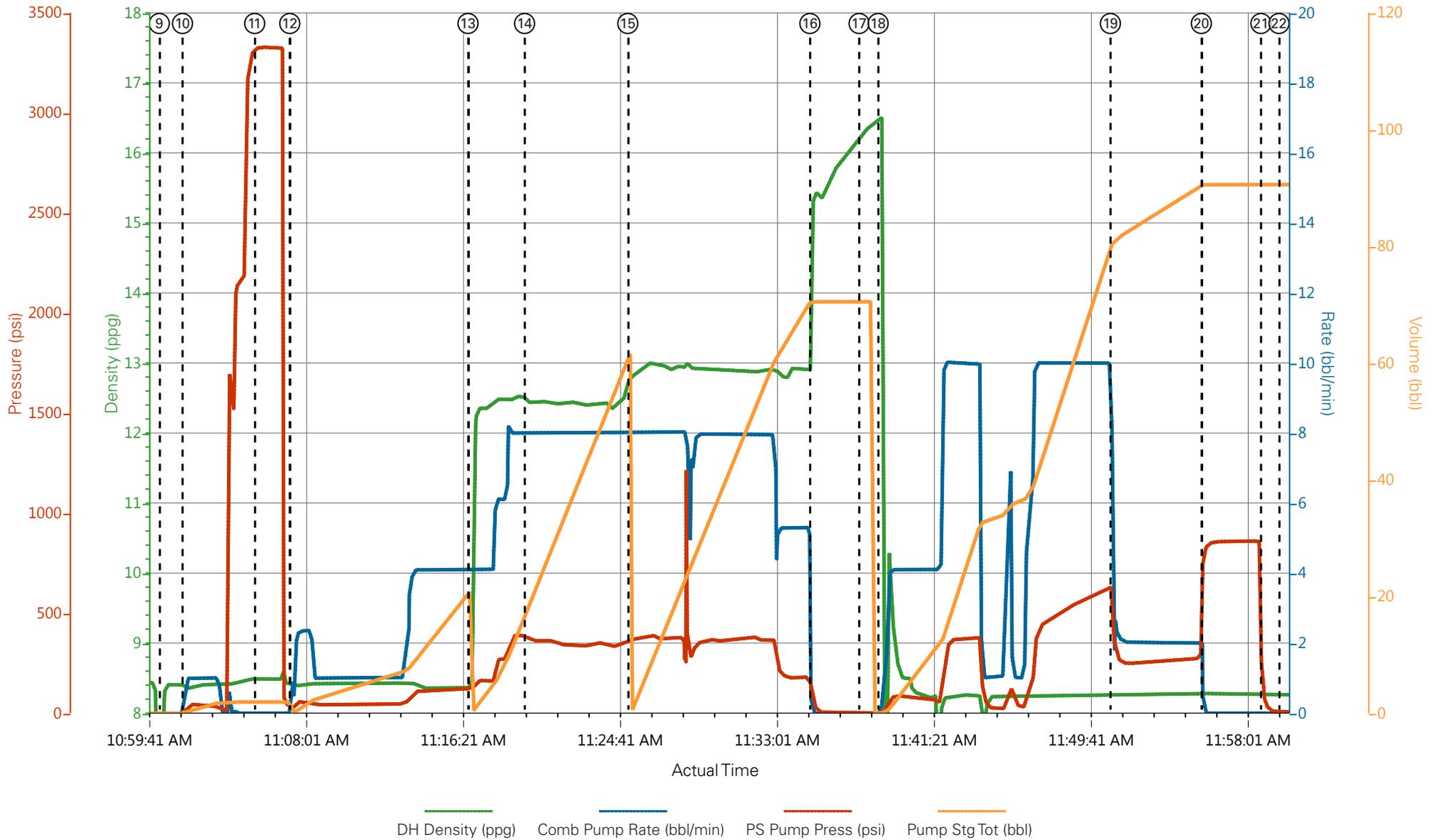
Event	16	Shutdown	8/28/2016	11:34:55	USER						Wash up on top of plug
Event	17	Drop Top Plug	8/28/2016	11:37:32	USER						Plug launched
Event	18	Pump Displacement	8/28/2016	11:38:33	COM5	8.33	10.0	645	89.0		Fresh water
Event	19	Slow Rate	8/28/2016	11:50:53	COM5	8.33	2.0	263	@80		Slowed during displacement to correct a small leak – Good returns throughout job
Event	20	Bump Plug	8/28/2016	11:55:43	USER			288			Approx 15 bbls cement to surface
Event	21	Check Floats	8/28/2016	11:58:52	COM5			860			Floats held – ½ bbl flow back
Event	22	End Job	8/28/2016	11:59:50	COM5						40 lbs sugar
Event	23	Pre-Rig Down Safety Meeting	8/28/2016	12:10:00	USER						
Event	24	Rig-Down Equipment	8/28/2016	12:20:00	USER						
Event	25	Pre-Convoy Safety Meeting	8/28/2016	12:50:00	USER						
Event	26	Crew Leave Location	8/28/2016	13:00:00	USER						Thank you for using Halliburton - Ed Deussen and crew

TERRA ENERGY - RU 323-7 - 9 5/8" Surface



— DH Density (ppg)
 — Comb Pump Rate (bbl/min)
 — PS Pump Press (psi)
 — Pump Stg Tot (bbl)

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|---|-----------------------------|--------------------|---------------------|-------------------------------|-----------------------|
| ① Call Out | ⑥ Pre-Rig Up Safety Meeting | ⑪ Test Lines | ⑯ Shutdown | ⑳ Check Floats | ⑳ Crew Leave Location |
| ② Pre-Convoy Safety Meeting | ⑦ Rig-Up Equipment | ⑫ Pump H2O Spacer | ⑰ Drop Top Plug | ㉑ End Job | |
| ③ Crew Leave Yard | ⑧ Pre-Job Safety Meeting | ⑬ Pump Lead Cement | ⑱ Pump Displacement | ㉒ Pre-Rig Down Safety Meeting | |
| ④ Arrive At Location | ⑨ Start Job | ⑭ Check weight | ㉓ Slow Rate | ㉔ Rig-Down Equipment | |
| ⑤ Assessment Of Location Safety Meeting | ⑩ Prime Lines | ⑮ Pump Tail Cement | ㉔ Bump Plug | ㉕ Pre-Convoy Safety Meeting | |