

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS-EBUS

For: Terra

Date: Monday, November 13, 2017

SR 13-12 Surface PJR

API# 05-045-23454-00

Sincerely,

Grand Junction Cement Engineering

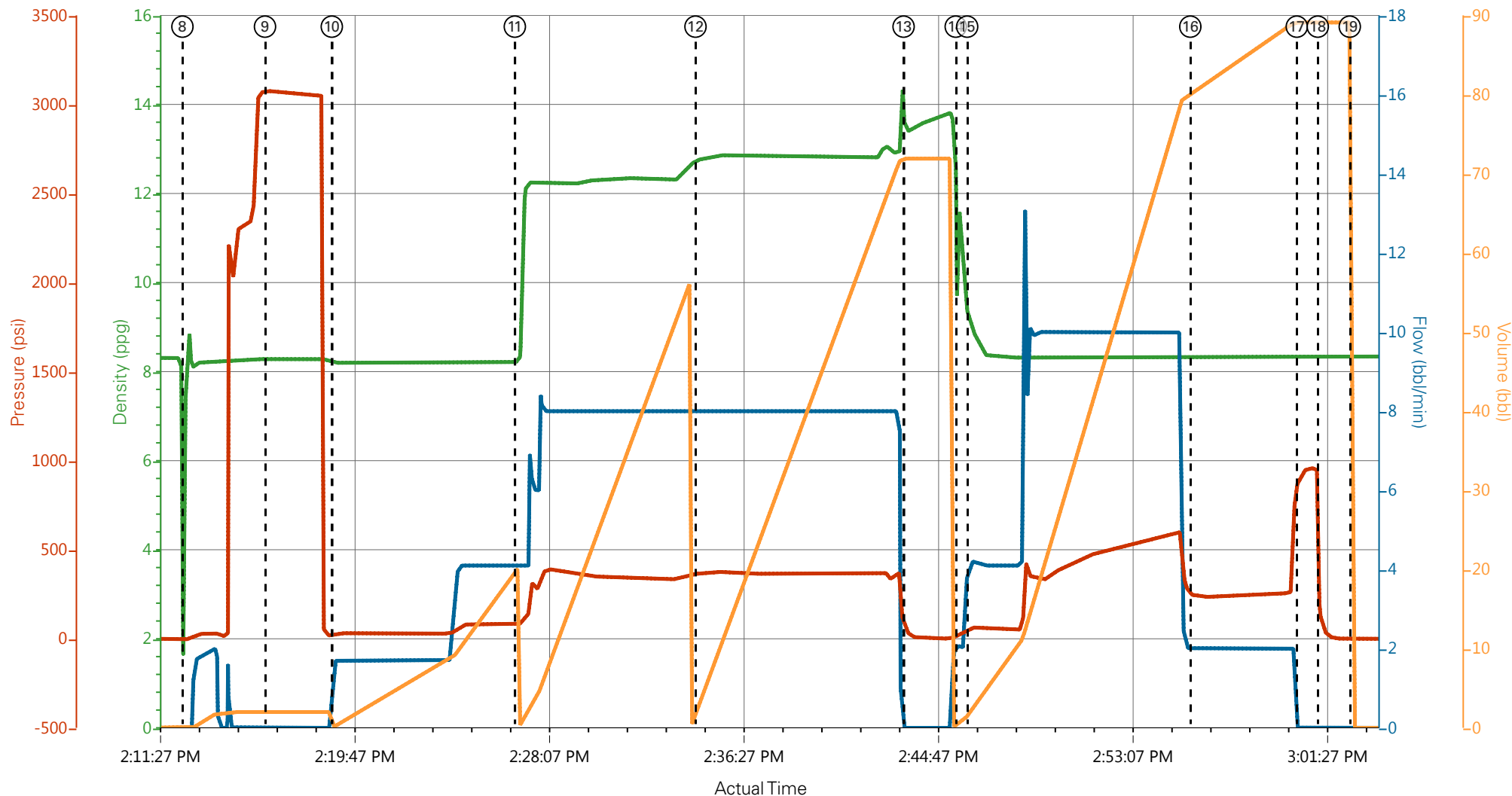
2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	11/13/2017	08:30:00	USER					
Event	2	Pre-Convoy Safety Meeting	11/13/2017	10:30:00	USER					WITH ALL HES PERSONNEL
Event	3	Crew Leave Yard	11/13/2017	11:00:00	USER					
Event	4	Arrive At Loc	11/13/2017	12:30:00	USER					RIG FINISHING UP RUNNING CASING, THEN CIRCULATED FOR 30 MINS
Event	5	Assessment Of Location Safety Meeting	11/13/2017	12:45:00	USER					WITH ALL HES PERSONNEL
Event	6	Pre-Rig Up Safety Meeting	11/13/2017	13:00:00	USER					WITH ALL HES PERSONNEL
Event	7	Pre-Job Safety Meeting	11/13/2017	14:00:00	USER					WITH ALL ON LOCATION PERSONNEL
Event	8	Start Job	11/13/2017	14:12:33	COM5					TP- 1134, TD-1142, S.J.-48, MUD#- 9.4#, HOLE-13.5
Event	9	Test Lines	11/13/2017	14:16:05	COM5			3075.00		PSI HELD AT 3075 PSI
Event	10	Pump Spacer 1	11/13/2017	14:18:57	COM5	8.33	4.00	85	20	FRESH WATER
Event	11	Pump Lead Cement	11/13/2017	14:26:47	COM5	12.30	8.00	360	52.9	125 SKS VARICEM 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK
Event	12	Pump Tail Cement	11/13/2017	14:34:31	COM5	12.80	8.00	375	65.8	175 SKS ARICEM, 12.8 PPG, 2.11 FT3/SK, 11.78 GAL/SK
Event	13	Shutdown	11/13/2017	14:43:26	USER					TO DROP TOP PLUG AND WASH UP ON TOP OF

THE PLUG									
Event	14	Drop Top Plug	11/13/2017	14:45:40	COM5				AWAY
Event	15	Pump Displacement	11/13/2017	14:46:10	COM5	8.33	10.00	580	FRESH WATER, 28 BBLS CEMENT BACK TO SURFACE
Event	16	Slow Rate	11/13/2017	14:55:43	USER	8.33	2.00	235.00	TO BUMP PLUG
Event	17	Bump Plug	11/13/2017	15:00:17	COM5	8.33	0.00	240	BLUG BUMPED
Event	18	Check Floats	11/13/2017	15:01:11	USER	8.33	0.00	920	0.5 BBLS BACK TO TRUCK AFTER FLOATS HELD
Event	19	End Job	11/13/2017	15:02:33	COM5				THANK YOU FOR USING HALLIBURTON CEMENT, JAMES LEIST AND CREW
Event	20	Post-Job Safety Meeting (Pre Rig-Down)	11/13/2017	15:10:00	USER				WITH ALL HES PERSONNEL
Event	21	Pre-Convoy Safety Meeting	11/13/2017	15:45:00	USER				WITH ALL EHS PERSONNEL
Event	22	Crew Leave Location	11/13/2017	16:00:00	USER				

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

- | | | | |
|---|--------------------------|---------------------|---|
| ① Call Out | ⑦ Pre-Job Safety Meeting | ⑬ Shutdown | ⑲ End Job |
| ② Pre-Convoy Safety Meeting | ⑧ Start Job | ⑭ Drop Top Plug | 20 Post-Job Safety Meeting (Pre Rig-Down) |
| ③ Crew Leave Yard | ⑨ Test Lines | ⑮ Pump Displacement | 21 Pre-Convoy Safety Meeting |
| ④ Arrive At Loc | ⑩ Pump Spacer 1 | ⑯ Slow Rate | 22 Crew Leave Location |
| ⑤ Assessment Of Location Safety Meeting | ⑪ Pump Lead Cement | ⑰ Bump Plug | |
| ⑥ Pre-Rig Up Safety Meeting | ⑫ Pump Tail Cement | ⑱ Check Floats | |

▼ **HALLIBURTON** | iCem® Service

Created: 2017-11-13 10:33:39, Version: 4.2.393

Edit

Customer : TERRA ENERGY PARTNERS-EBUS
Representative : ROBERT BROWN

Job Date : 11/13/2017 1:41:05 PM
Sales Order # : 904434344

Well : sr 13-12
ELITE 8 : TRAVIS BROWN

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