

# HALLIBURTON

iCem<sup>®</sup> Service

## **TERRA ENERGY PARTNERS**

**For: Terra**

Date: Saturday, September 09, 2017

**SR 542-12 Surface PJR**

API #: 05-045-23293

Sincerely,

**Grand Junction Cement Engineering**

## 1.0 Real-Time Job Summary

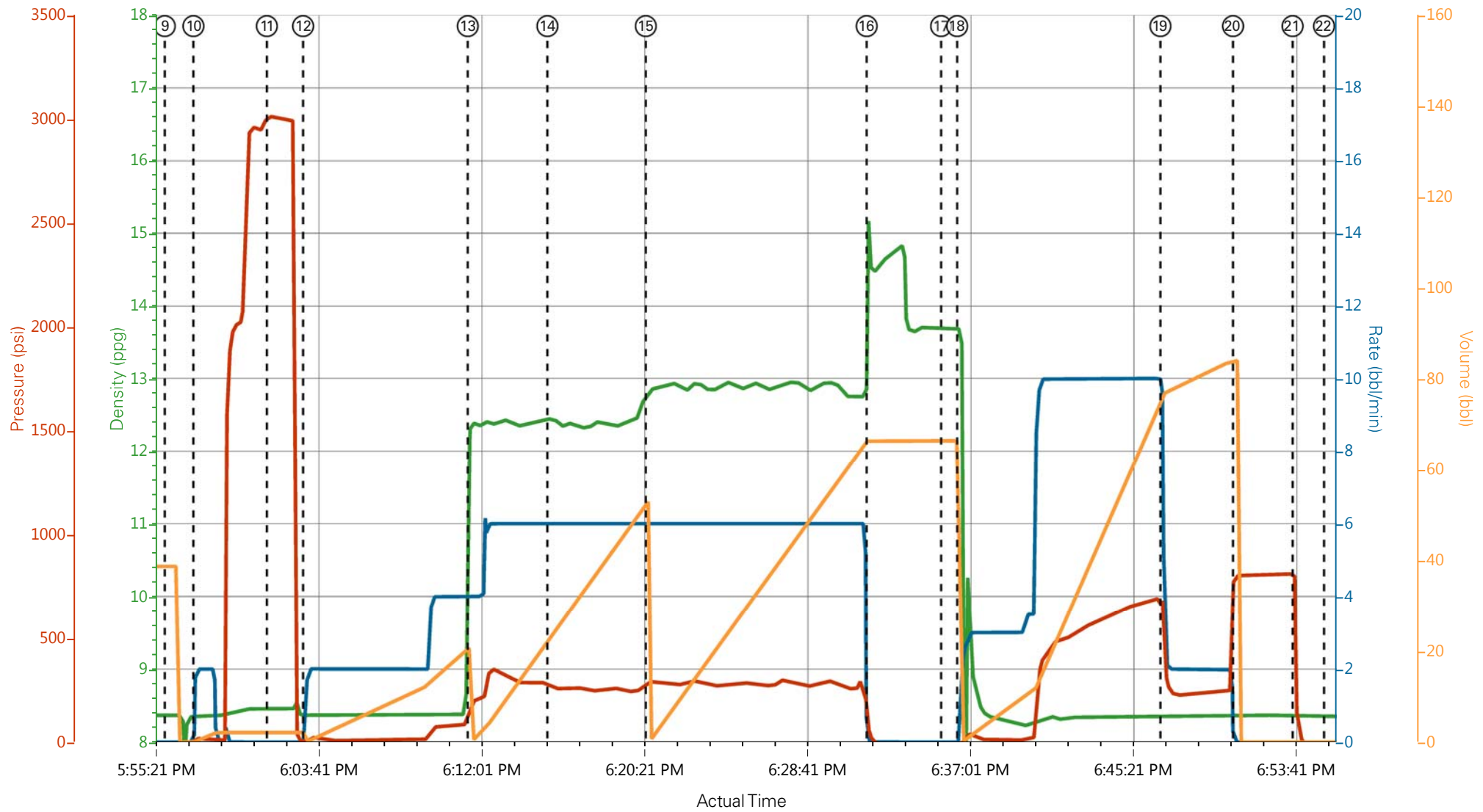
## 1.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	9/9/2017	09:00:00	USER					O/L time 1500 - crew already in field
Event	2	Pre-Convoy Safety Meeting	9/9/2017	11:45:00	USER					
Event	3	Crew Leave Yard	9/9/2017	12:00:00	USER					1 Elite, 1 660, 1 pickup
Event	4	Arrive At Location	9/9/2017	14:00:00	USER					Rig finishing pulling drill pipe
Event	5	Assessment Of Location Safety Meeting	9/9/2017	14:15:00	USER					JSA completed - customer offered/received SDS - water test pH 7.5, Cl 0, temp 70 degrees
Event	6	Pre-Rig Up Safety Meeting	9/9/2017	14:45:00	USER					
Event	7	Rig-Up Equipment	9/9/2017	15:00:00	USER					Hard line to standpipe, water hose to upright, bulk hose to 660
Event	8	Pre-Job Safety Meeting	9/9/2017	16:30:00	USER					All HES personnel, rig crew, and company rep - Rig circulating @ 9 bpm w/ 296 psi for 1/2 hr
Event	9	Start Job	9/9/2017	17:56:00	USER					TD 1136', TP 1129', SJ 43.87', Mud 9.6 ppg, 1' 3 1/2" OH, 9 5/8" 32# casing
Event	10	Prime Lines	9/9/2017	17:57:27	USER	8.33	2.0	30	2.0	Fresh water
Event	11	Test Lines	9/9/2017	18:01:13	COM5			3030		Pressure held well
Event	12	Pump H2O Spacer	9/9/2017	18:03:04	COM5	8.33	4.0	85	20.0	Fresh water - returns established
Event	13	Pump Lead Cement	9/9/2017	18:11:29	COM5	12.3	6.0	360	53.0	125 sks, 12.3 ppg, 2.38 yield, 13.77 gal/sk
Event	14	Check weight	9/9/2017	18:15:33	COM5	12.3				Recirc matched mud scales
Event	15	Pump Tail Cement	9/9/2017	18:20:35	COM5	12.8	6.0	320	65.8	175 sks, 12.8 ppg, 2.11 yield, 11.78

gal/sk

Event	16	Shutdown	9/9/2017	18:31:52	USER					Wash up on top of plug
Event	17	Drop Top Plug	9/9/2017	18:35:41	USER					Plug launched - verified by company rep
Event	18	Pump Displacement	9/9/2017	18:36:30	COM5	8.33	10.0	690	85.4	Fresh water
Event	19	Slow Rate	9/9/2017	18:46:54	USER	8.33	2.0	255	@ 75	Good returns throughout job
Event	20	Bump Plug	9/9/2017	18:50:36	COM5			270		Approx 28 bbls cement to surface
Event	21	Check Floats	9/9/2017	18:53:39	USER			820		Floats held – ½ bbl flowback
Event	22	End Job	9/9/2017	18:55:15	COM5					30 lbs sugar used
Event	23	Pre-Rig Down Safety Meeting	9/9/2017	19:15:00	USER					
Event	24	Rig-Down Equipment	9/9/2017	19:30:00	USER					
Event	25	Pre-Convoy Safety Meeting	9/9/2017	19:45:00	USER					
Event	26	Crew Leave Location	9/9/2017	20:00:00	USER					Thank you for using Halliburton - Ed Deussen and crew

# TERRA ENERGY - SR 542-12 - 9 5/8" Surface



- |   |                             |                    |                     |                                |                        |
|---|-----------------------------|--------------------|---------------------|--------------------------------|------------------------|
| ① Call Out                              | ⑥ Pre-Rig Up Safety Meeting | ⑪ Test Lines       | ⑯ Shutdown          | 21 Check Floats                | 26 Crew Leave Location |
| ② Pre-Convoy Safety Meeting             | ⑦ Rig-Up Equipment          | ⑫ Pump H2O Spacer  | ⑰ Drop Top Plug     | 22 End Job                     |                        |
| ③ Crew Leave Yard                       | ⑧ Pre-Job Safety Meeting    | ⑬ Pump Lead Cement | ⑱ Pump Displacement | 23 Pre-Rig Down Safety Meeting |                        |
| ④ Arrive At Location                    | ⑨ Start Job                 | ⑭ Check weight     | ⑲ Slow Rate         | 24 Rig-Down Equipment          |                        |
| ⑤ Assessment Of Location Safety Meeting | ⑩ Prime Lines               | ⑮ Pump Tail Cement | 20 Bump Plug        | 25 Pre-Convoy Safety Meeting   |                        |

▼ **HALLIBURTON** | iCem® Service

Created: 2017-09-09 13:04:41, Version: 4.2.393

Edit

Customer : TERRA ENERGY PARTNERS

Job Date : 9/9/2017 4:35:04 PM

Well : SR 542-12

Representative : Nathan Burr

Sales Order # : 904284399

Elite #1 : Ed Deussen / Adam Angelo

# TERRA ENERGY - SR 542-12 - 9 5/8" Surface

