

# HALLIBURTON

iCem<sup>®</sup> Service

## **TERRA ENERGY PARTNERS**

**For: Terra Energy Partners**

Date: Saturday, November 18, 2017

**SR 423-12**

904444279 9.625 SURFACE

Job Date: Saturday, November 18, 2017

Sincerely,

**Grand Junction Cement Engineering**

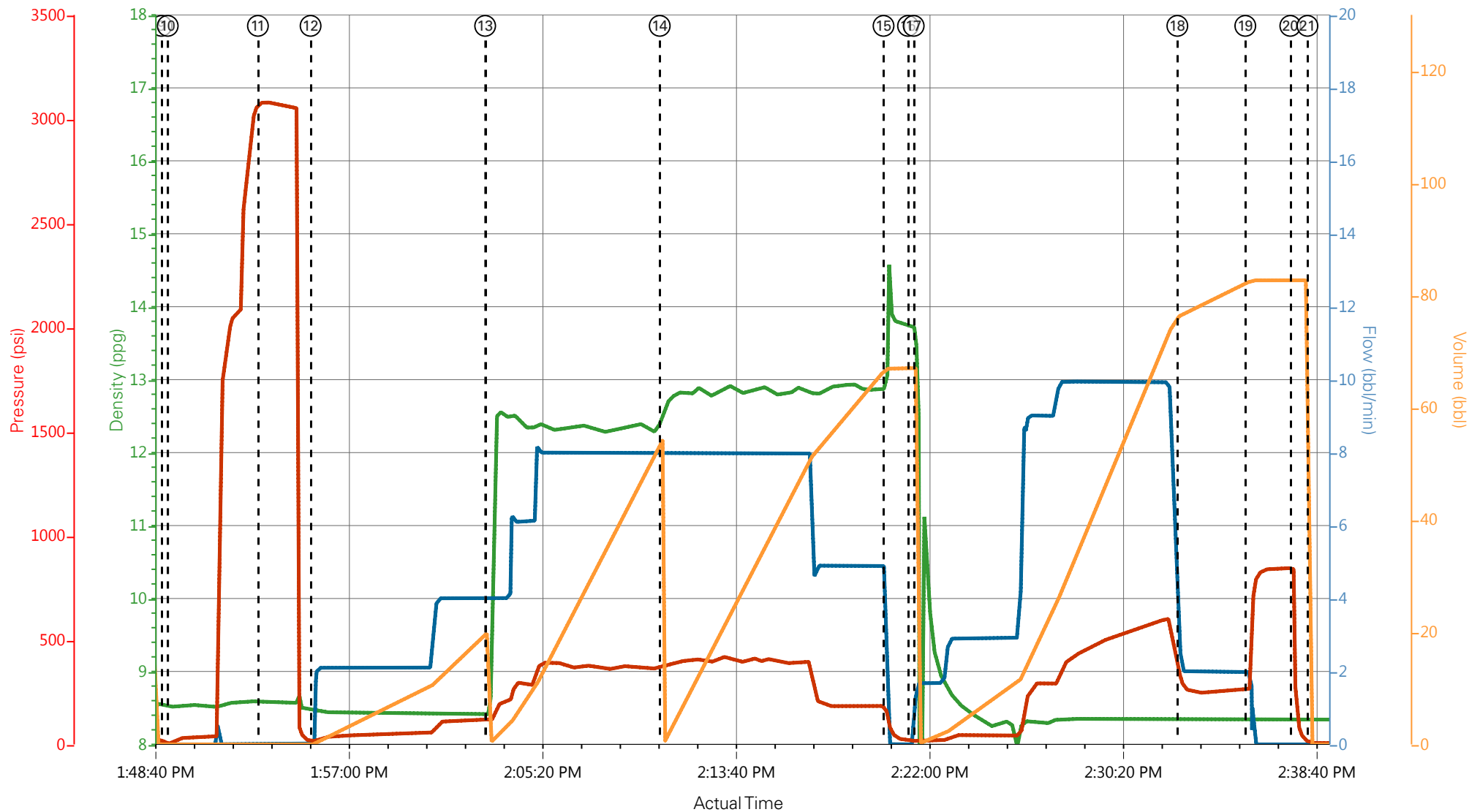
## 1.0 Real-Time Job Summary

## 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	11/18/2017	07:00:00	USER					ON LOCATION REQUESTED 13:00
Event	2	Pre-Convoy Safety Meeting	11/18/2017	09:00:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	11/18/2017	09:15:00	USER					
Event	4	Arrive at Location from Service Center	11/18/2017	12:00:00	USER					RIG RUNNING CASING
Event	5	Assessment Of Location Safety Meeting	11/18/2017	12:10:00	USER					MET WITH COMPANY REP DISCUSSED PROCEDURE, SDS OFFERED.
Event	6	Pre-Rig Up Safety Meeting	11/18/2017	12:30:00	USER					ALL HES PRESENT
Event	7	Rig-Up Completed	11/18/2017	13:00:00	USER					1-ELITE, 1-660 BULK TRAILER, 9.625" QL, 2" PUMP IRON, 4" SUCTION HOSE
Event	8	Pre-Job Safety Meeting	11/18/2017	13:15:00	USER					ALL HES AND RIG CREW PRESENT
Event	9	Start Job	11/18/2017	13:49:04	COM5	8.33	0.00	9.00	0.0	TD-1115', TP-1105', SJ-44.57', OH-13.5", MUD-9.3PPG, CSG- 9.625" 32.3# H40. RIG CIRCULATED 37 MINS 453GPM AT 250PSI.
Event	10	Prime Pumps	11/18/2017	13:49:20	COM5	8.33	2.00	32.00	2.0	FRESH WATER
Event	11	Test Lines	11/18/2017	13:53:13	COM5	8.58	0.00	3080.00	0.0	ALL PRESSURE HELD
Event	12	Pump Spacer 1	11/18/2017	13:55:29	COM5	8.39	4.00	114.00	20.0	FRESH WATER

Event	13	Pump Lead Cement	11/18/2017	14:03:00	COM5	12.30	8.00	380.00	53.0	VARICEM LEAD 125SKS, 12.3PPG, 2.38CF/SK, 13.77GAL/SK
Event	14	Pump Tail Cement	11/18/2017	14:10:31	COM5	12.80	8.00	410.00	65.8	VARICEM TAIL 175SKS, 12.8PPG, 2.11CF/SK, 11.78GAL/SK
Event	15	Shutdown	11/18/2017	14:20:09	USER					WASHED UP ON TOP OF PLUG
Event	16	Drop Top Plug	11/18/2017	14:21:12	COM5					PLUG AWAY
Event	17	Pump Displacement	11/18/2017	14:21:27	COM5	8.34	10.00	600.00	83.5	FRESH WATER
Event	18	Slow Rate	11/18/2017	14:32:48	USER	8.34	2.10	317.00	73.5	SLOW RATE LAST 10 BBLS
Event	19	Bump Plug	11/18/2017	14:35:44	COM5	8.35	2.00	270.00	83.5	PLUG BUMPED 270 PSI
Event	20	Check Floats	11/18/2017	14:37:40	USER	8.36	0.00	846.00	83.5	FLOATS HELD .5 BBL BACK
Event	21	End Job	11/18/2017	14:38:24	COM5	8.34	0.00	9.00	0.0	GOOD RETURNS THROUGH OUT JOB, 25 BBLS CEMENT TO SURFACE
Event	22	Post-Job Safety Meeting (Pre Rig-Down)	11/18/2017	14:43:00	USER					ALL HES PRESENT
Event	23	Rig-Down Completed	11/18/2017	15:20:00	USER					
Event	24	Pre-Convoy Safety Meeting	11/18/2017	15:30:00	USER					ALL HES PRESENT
Event	25	Crew Leave Location	11/18/2017	15:40:00	USER					THANK YOU FOR CHOOSING HALLIBURTON, ANDREW BRENNECKE AND CREW

# TEP - SR 423-12 - 9.625" SURFACE



DH Density (ppg) 8.34    Comb Pump Rate (bbl/min) 0    PS Pump Press (psi) 5    Pump Stg Tot (bbl) 0

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

▼ **HALLIBURTON** | iCem® Service

Created: 2017-11-18 13:15:03, Version: 4.2.393

Edit

Customer : TERRA ENERGY PARTNERS  
Representative : DARRELL LEATHERMAN

Job Date : 11/18/2017 1:17:03 PM  
Sales Order # : 904444279

Well : SR 423-12  
ELITE#1 : A.BRENNECKE/S.BLOSSOM

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