

# HALLIBURTON

iCem<sup>®</sup> Service

## **TERRA ENERGY PARTNERS**

**For: Terra**

Date: Wednesday, January 31, 2018

**SR 24-12 Surface**

API#05-045-23445

Sincerely,

**Grand Junction Cement Engineering**

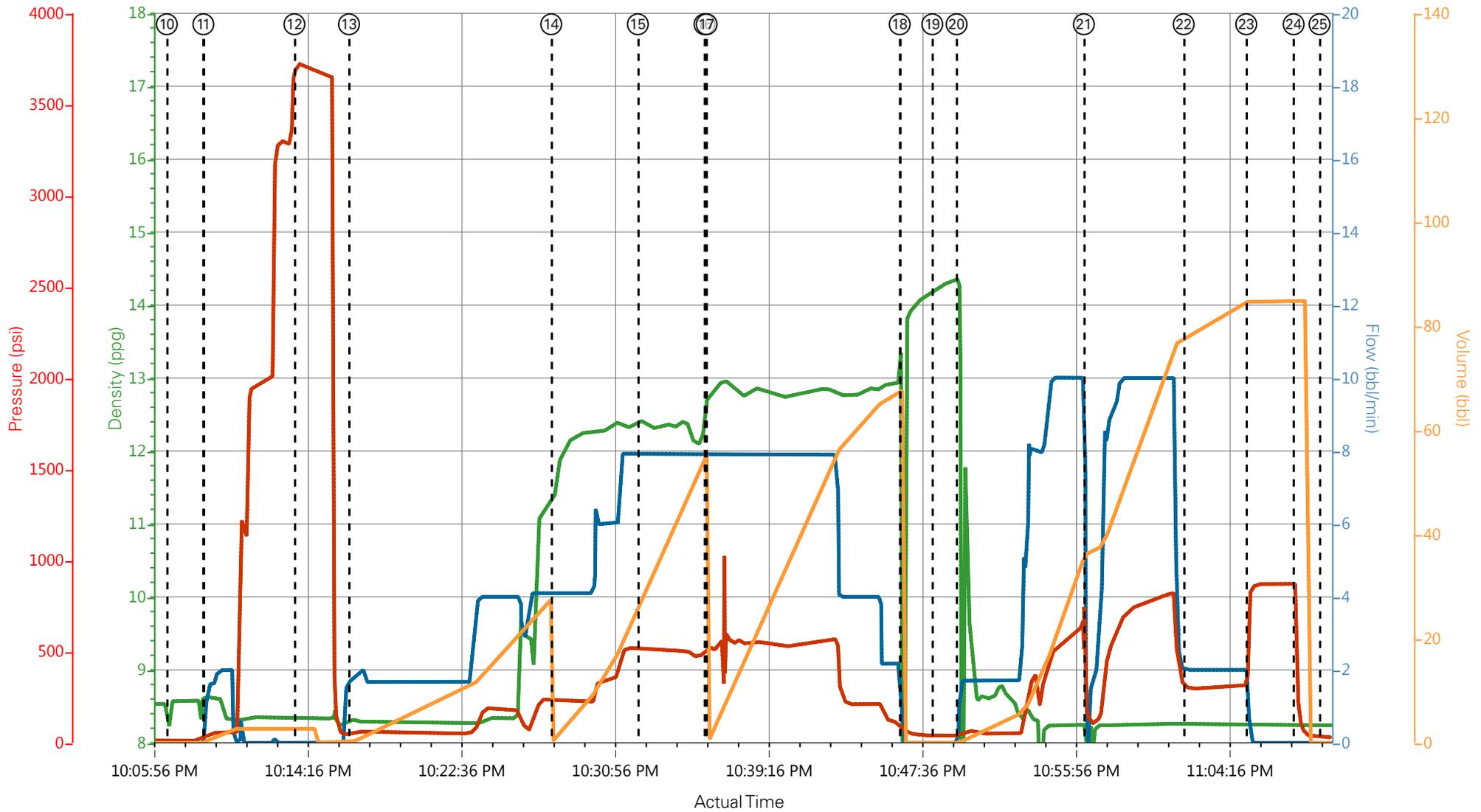
## 2.0 Real-Time Job Summary

### 2.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	DH Density <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	1/31/2018	15:00:00	USER					ON LOCATION REQUESTED 21:00
Event	2	Pre-Convoy Safety Meeting	1/31/2018	17:30:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	1/31/2018	17:45:00	USER					
Event	4	Arrive at Location from Service Center	1/31/2018	19:00:00	USER					RIG RUNNING CASING
Event	5	Assessment Of Location Safety Meeting	1/31/2018	19:05:00	USER					MET WITH COMPANY REP, DISCUSSED JOB PROCEDURE SDS OFFERED
Event	6	Pre-Rig Up Safety Meeting	1/31/2018	19:30:00	USER					ALL HES PRESENT
Event	7	Rig-Up Completed	1/31/2018	20:04:05	USER					1-ELITE, 1-660 BULK TRAILER, 9.625" QL, 2" PUMP IRON, 4" SUCTION HOSE
Event	8	Other	1/31/2018	21:40:00	USER					RIG CIRCULATED 1 HOUR 380 GPM 200 PSI.WATER:TEMP-71, CL-0, PH-7
Event	9	Pre-Job Safety Meeting	1/31/2018	21:45:00	USER					ALL HES AND RIG CREW PRESENT
Event	10	Start Job	1/31/2018	22:06:48	USER	8.40	0.00	12.00	0.0	TD-1137', TP-1120.55', SJ-42.49', CSG-9.625" 32.3# H40, OH-13.5", MUD-9.5PPG
Event	11	Prime Pumps	1/31/2018	22:08:46	USER	8.43	1.70	63.00	4.0	FRESH WATER
Event	12	Test Lines	1/31/2018	22:13:43	USER	8.35	0.00	3719.00	4.1	PRESSURE HELD NO LEAKS
Event	13	Pump Spacer 1	1/31/2018	22:16:40	COM5	8.32	4.00	187.00	20.0	FRESH WATER
Event	14	Pump Lead Cement	1/31/2018	22:27:39	USER	12.30	7.90	510.00	53.0	VARICEM 125SKS, 12.3PPG, 2.38CF/SK, 13.77GAL/SK
Event	15	Check weight	1/31/2018	22:32:20	COM5					WEIGHT VERIFIED BY PRESSURIZED MUD SCALES
Event	16	Pump Tail Cement	1/31/2018	22:35:57	COM5	12.80	7.90	555.00	65.8	VARICEM 175SKS, 12.8PPG, 2.11CF/SK, 11.78GAL/SK

Event	17	Check weight	1/31/2018	22:36:04	COM5						WEIGHT VERIFIED BY PRESSURIZED MUD SCALES
Event	18	Shutdown	1/31/2018	22:46:33	USER						WASHED UP ON TOP OF PLUG
Event	19	Drop Plug	1/31/2018	22:48:19	USER						PLUG AWAY
Event	20	Pump Displacement	1/31/2018	22:49:38	USER	8.35	10.00	830.00	84.8		FRESH WATER
Event	21	Hit Kick Outs	1/31/2018	22:56:32	USER				36.0		
Event	22	Slow Rate	1/31/2018	23:01:57	USER	8.25	2.00	304.00	74.0		SLOW RATE LAST 10 BBLS
Event	23	Bump Plug	1/31/2018	23:05:20	USER	8.26	0.00	340.00	84.8		PLUG BUMPED
Event	24	Check Floats	1/31/2018	23:07:55	USER	8.26	0.00	875.00	84.8		FLOATS HELD .5 BBL BACK TO DISPLACEMENT TANK
Event	25	End Job	1/31/2018	23:09:19	COM5						GOOD RETURNS THROUGHOUT JOB, 26 BBLS CEMENT TO SURFACE
Event	26	Post-Job Safety Meeting (Pre Rig-Down)	1/31/2018	23:15:00	USER						ALL HES PRESENT
Event	27	Rig-Down Completed	1/31/2018	23:59:00	USER						
Event	28	Pre-Convoy Safety Meeting	2/1/2018	00:30:00	USER						ALL HES PRESENT
Event	29	Crew Leave Location	2/1/2018	00:35:00	USER						THANK YOU FOR CHOOSING HALLIBURTON, ANDREW BRENNECKE AND CREW

# TEP - SR 42-12 - 9.625" SURFACE



DH Density (ppg) 8.24    Comb Pump Rate (bbl/min) 0    PS Pump Press (psi) 30    Pump Stg Tot (bbl) 0

- |  |                             |                    |                      |                  |   |
|--|-----------------------------|--------------------|----------------------|------------------|---|
| ① Call Out                               | ⑥ Pre-Rig Up Safety Meeting | ⑪ Prime Pumps      | ⑯ Pump Tail Cement   | 21 Hit Kick Outs | 26 Post-Job Safety Meeting (Pre Rig-Down) |
| ② Pre-Convoy Safety Meeting              | ⑦ Rig-Up Completed          | ⑫ Test Lines       | ⑰ Check weight       | 22 Slow Rate     | 27 Rig-Down Completed                     |
| ③ Crew Leave Yard                        | ⑧ Other                     | ⑬ Pump Spacer 1    | ⑱ Shutdown           | 23 Bump Plug     | 28 Pre-Convoy Safety Meeting              |
| ④ Arrive at Location from Service Center | ⑨ Pre-Job Safety Meeting    | ⑭ Pump Lead Cement | ⑲ Drop Plug          | 24 Check Floats  | 29 Crew Leave Location                    |
| ⑤ Assessment Of Location Safety Meeting  | ⑩ Start Job                 | ⑮ Check weight     | 20 Pump Displacement | 25 End Job       |   |

▼ **HALLIBURTON** | iCem® Service

Created: 2018-01-31 19:56:22, Version: 4.2.393

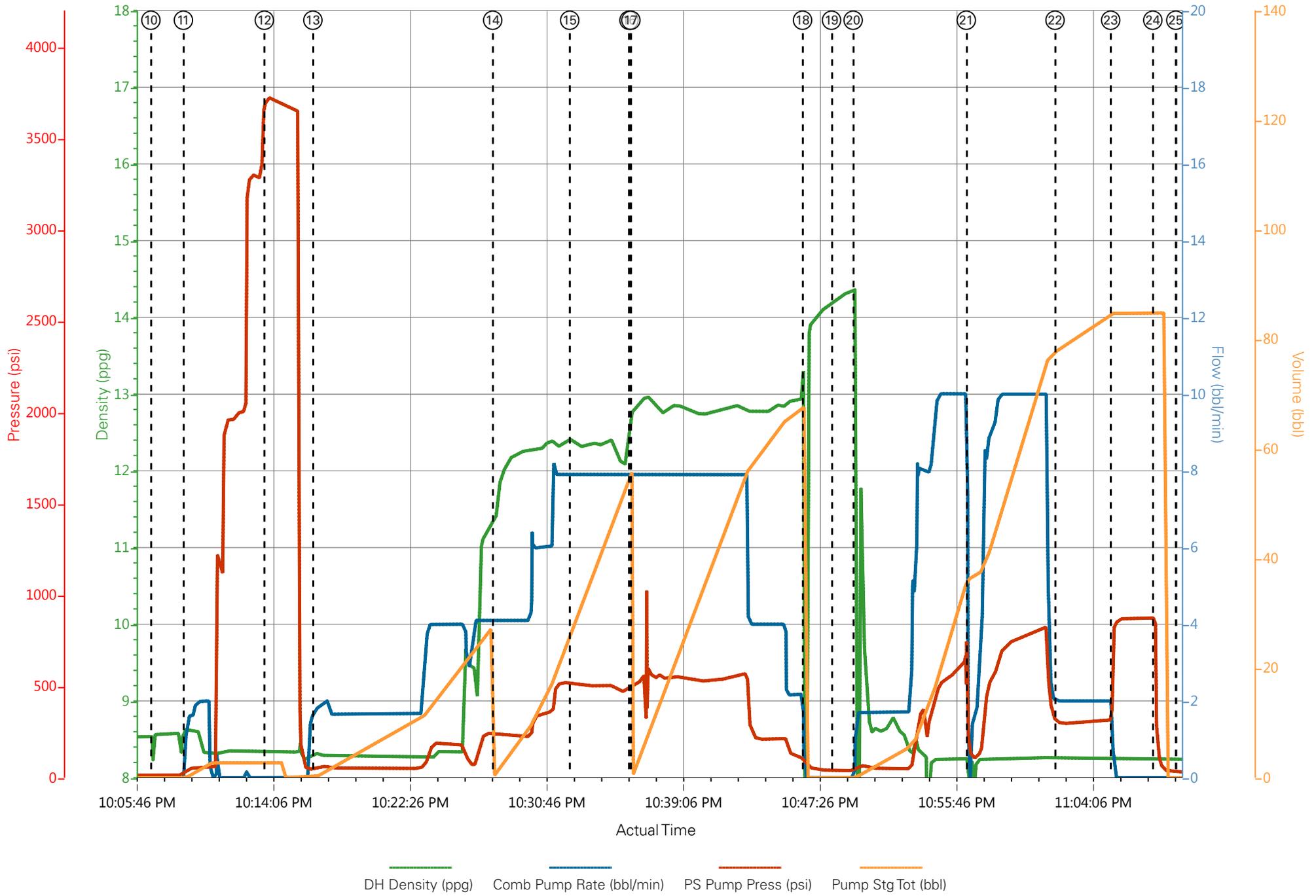
[Edit](#)

Customer : TERRA ENERGY PARTNERS  
 Representative : NATHAN BURR

Job Date : 1/31/2018 8:47:18 PM  
 Sales Order # : 904609501

Well : SR 24-12  
 ELITE #1 : J.DIAMANTI/A.BRENNECKE

# TEP - SR 42-12 - 9.625" SURFACE



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