

# HALLIBURTON

iCem<sup>®</sup> Service

## **TEP ROCKY MOUNTAIN LLC**

**For: Terra**

Date: Tuesday, November 28, 2017

**SR 433-12 Surface**

API #05-045-23456-00

Sincerely,

**Grand Junction Cement Engineering**

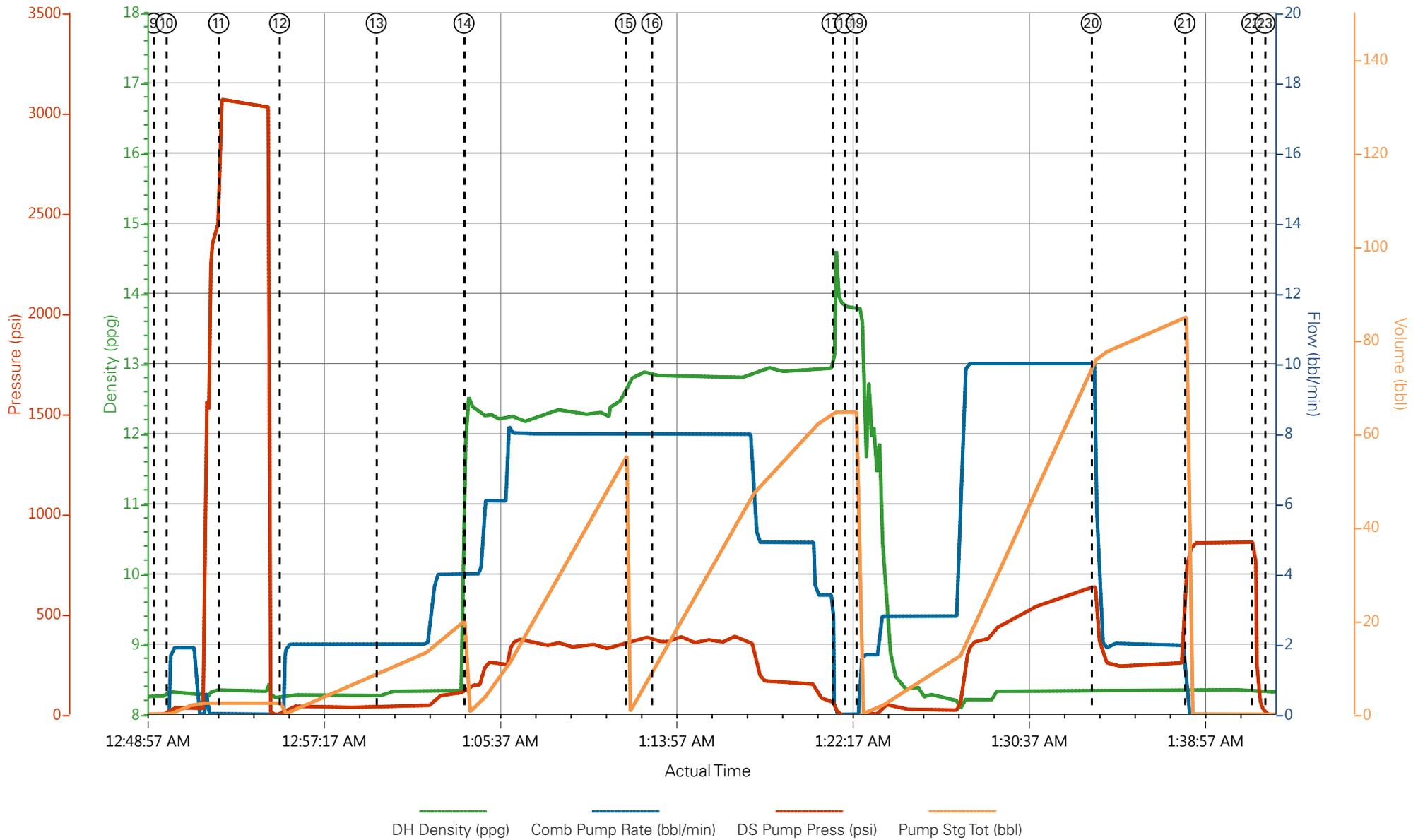
## 1.0 Real-Time Job Summary

### 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>	DS Pump Press <i>(psi)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Call Out	11/27/2017	15:00:00	USER					REQUESTED ON LOCATION @ 21:00
Event	2	Pre-Convoy Safety Meeting	11/27/2017	17:45:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	11/27/2017	18:00:00	USER					1 HT 400 PUMP TRUCK E1, 1 660 BULK TRUCK, 1 550 SERVICE PICKUP
Event	4	Arrive At Loc	11/27/2017	20:00:00	USER					HES ARRIVED 1 HOUR EARLY TO LOCATION. RIG PULLING DRILL PIPE
Event	5	Assessment Of Location Safety Meeting	11/27/2017	20:15:00	USER					MET WITH COMP REP, AND WENT OVER NUMBERS AND JOB PROCEDURE. WALKED AROUND LOCATION AND COLLECTED WATER SAMPLE (PH- 8, CHLORIDES- 0, TEMP- 55F). COMP REP WAS OFFERED SDS FOR ALL CHEMICLES USED BY HES.
Event	6	Spot Equipment	11/27/2017	20:30:00	USER					1 HT 400 PUMP TRUCK E1, 1 660 BULK TRUCK, 1 550 SERVICE PICKUP
Event	7	Pre-Rig Up Safety Meeting	11/27/2017	21:00:00	USER					ALL HES PRESENT
Event	8	Pre-Job Safety Meeting	11/28/2017	00:00:00	USER					ALL HES EMPLOYEES AND RIG CREW PRESENT, RIG CIRCULATED @ 12 BPM WITH 380 PSI
Event	9	Start Job	11/28/2017	00:49:23	USER					TP 1118.43', CSG 9 5/8" 32.3# H-40, SJ 41.1', FC 1080.43', OH 13 1/2", MUD 9.2 PPG
Event	10	Prime Lines	11/28/2017	00:49:58	USER	8.33	2.0	100	3	FRESH WATER
Event	11	Test Lines	11/28/2017	00:52:27	COM5			3380		PRESSURE HELD
Event	12	Pump H2O Spacer	11/28/2017	00:55:20	COM5	8.33	4.0	108	20	FRESH WATER
Event	13	Check weight	11/28/2017	00:59:54	COM5					WEIGHT VERIFIED VIA PRISSEREIZED MUD SCALES

Event	14	Pump Lead Cement	11/28/2017	01:04:03	COM5	12.3	8.0	360	53	125 SKS VARICEM CMT 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK
Event	15	Pump Tail Cement	11/28/2017	01:11:41	COM5	12.8	8.0	380	65.8	175 SKS VARICEM CMT 12.8 PPG, 2.11 FT3/SK, 11.78 GAL/SK
Event	16	Check weight	11/28/2017	01:12:56	COM5					WEIGHT VERIFIED VIA PRISSEREIZED MUD SCALES
Event	17	Shutdown	11/28/2017	01:21:27	USER					END OF CEMENT. WASH UP ON TOP OF PLUG
Event	18	Drop Top Plug	11/28/2017	01:22:04	USER					VERIFIED BY FLAG INDICATOR
Event	19	Pump Displacement	11/28/2017	01:22:36	COM5	8.33	10.0	640	75	FRESH WATER
Event	20	Slow Rate	11/28/2017	01:33:43	USER	8.33	2.0	250	10	SLOWED TO BUMP PLUG
Event	21	Bump Plug	11/28/2017	01:38:08	COM5	8.33	2.0	250	75	PLUG BUMPED
Event	22	Check Floats	11/28/2017	01:41:18	USER			860		FLOATS HELD .5 BBL FLOW BACK TO TRUCK
Event	23	End Job	11/28/2017	01:41:55	USER					GOOD RETURNS THROUGHOUT. 25 BBLs CEMENT TO SURFACE USED 20 LBS SUGAR
Event	24	Post-Job Safety Meeting (Pre Rig-Down)	11/28/2017	01:50:00	USER					ALL HES PRESENT
Event	25	Pre-Convoy Safety Meeting	11/28/2017	02:45:00	USER					ALL HES PRESENT
Event	26	Crew Leave Location	11/28/2017	03:00:00	USER					THANK YOU FOR CHOOSING HALLIBURTON CEMENT, DUSTIN HYDE AND CREW

# TERRA - SR 433-12 - 9 5/8" SURFACE



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

▼ **HALLIBURTON** | iCem® Service

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[Edit](#)

Customer : TEP ROCKY MOUNTAIN LLC  
 Representative : JOSH PHILLIPS

Job Date : 11/27/2017  
 Sales Order # : 904461731

Well : SR 433-12  
 ELITE 1 : HYDE / ANGELO

TERRA - SR 433-12 - 9 5/8" SURFACE

