

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS

For: Terra

Date: Wednesday, January 31, 2018

SR 24-12 Surface

API#05-045-23445

Sincerely,

Grand Junction Cement Engineering

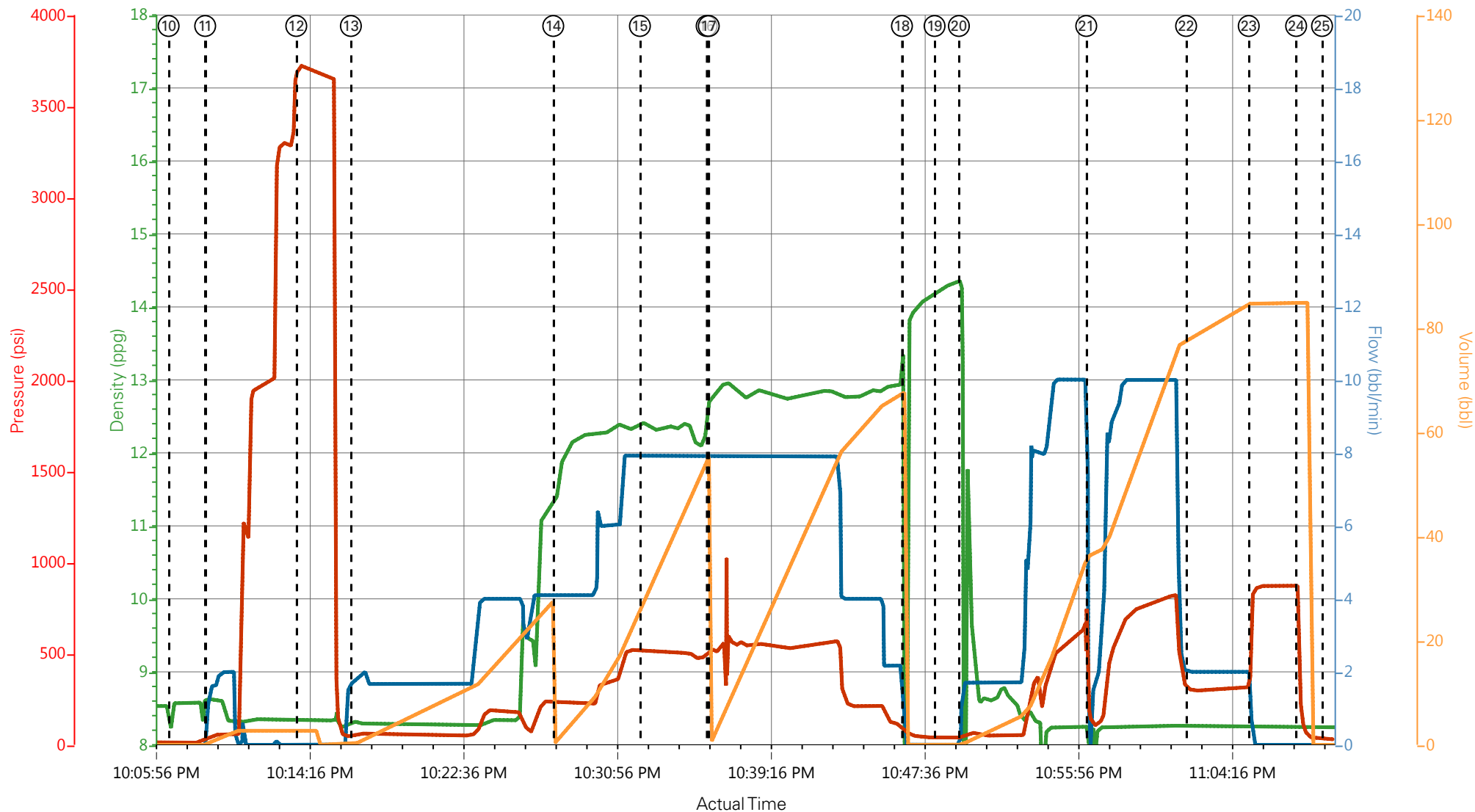
2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	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

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|--|-----------------------------|--------------------|----------------------|------------------|---|
| 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

Job Date : 1/31/2018 8:47:18 PM

Well : SR 24-12

Representative : NATHAN BURR

Sales Order # : 904609501

ELITE #1 : J.DIAMANTI/A.BRENNECKE

TEP - SR 42-12 - 9.625" SURFACE

