

HALLIBURTON

iCem[®] Service

Terra Energy Partners

For: Terra

Date: Wednesday, December 06, 2017

PA 42-26 Surface PJR

API #: 05-045-23642

Sincerely,

Grand Junction Engineering Team

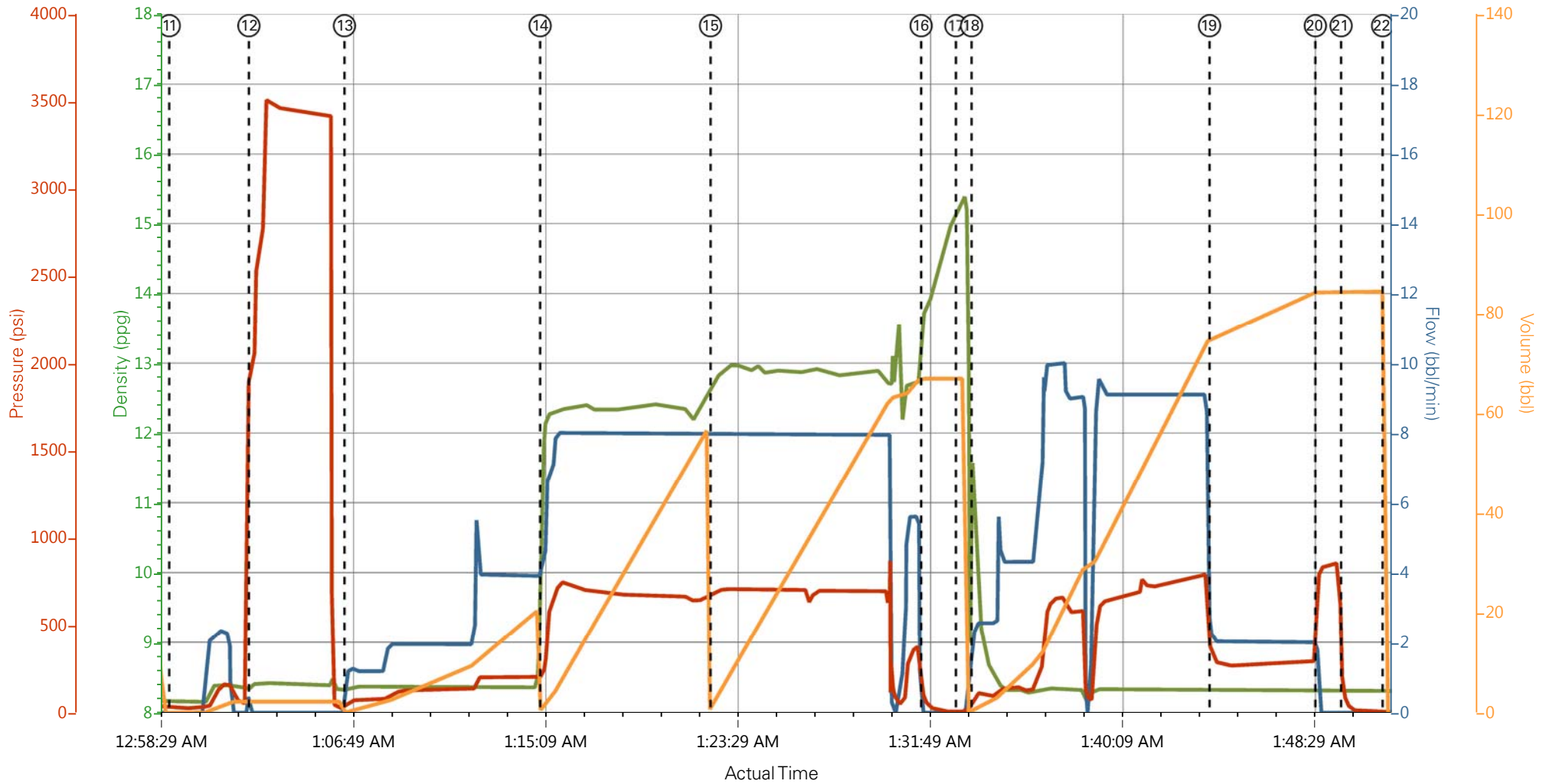
2.0 Real-Time Job Summary

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	12/5/2017	15:00:00	USER					
Event	2	Pre-Job Safety Meeting	12/5/2017	16:53:36	USER					
Event	3	Pre-Convoy Safety Meeting	12/5/2017	17:15:00	USER					
Event	4	Crew Leave Yard	12/5/2017	17:30:00	USER					
Event	5	Arrive At Loc	12/5/2017	19:00:00	USER					
Event	6	Assessment Of Location Safety Meeting	12/5/2017	19:05:00	USER					
Event	7	Spot Equipment	12/5/2017	19:10:00	USER					
Event	8	Pre-Rig Up Safety Meeting	12/5/2017	19:15:00	USER					
Event	9	Rig-Up Equipment	12/5/2017	19:20:00	USER					
Event	10	Pre-Job Safety Meeting	12/6/2017	00:30:00	USER					
Event	11	Start Job	12/6/2017	00:59:00	COM5					TD: 1147 TP: 1137 SJ: 44.4 MW: 9.2 9 5/8" 32.3#/FT CSG IN 13 1/2" OH WATER TEST: PH: 6.5 POTASSIUM: 450 CHLORIDES: 0 SULFATES: <200 TEMP: 54 DEGREES.
Event	12	Test Lines	12/6/2017	01:02:27	COM5	8.33	0.00	3500.00	2.0	3500 PSI TEST
Event	13	Pump Spacer 1	12/6/2017	01:06:36	COM5	8.33	4.00	110.00	20.0	FRESH H2O SPACER
Event	14	Pump Lead Cement	12/6/2017	01:15:04	COM5	12.30	8.00	690.00	53.0	125 SKS @ 12.3 PPG 2.38 YLD 13.77 GAL/SK H2O

Event	15	Pump Tail Cement	12/6/2017	01:22:27	COM5	12.80	8.00	675.00	65.8	175 SKS @ 12.8 PPG 2.11 YLD 11.78 GAL/SK H2O
Event	16	Shutdown	12/6/2017	01:31:34	USER					
Event	17	Drop Top Plug	12/6/2017	01:33:05	COM5					PLUG AWAY
Event	18	Pump Displacement	12/6/2017	01:33:45	COM5	8.33	10.00	690.00	86.0	FRESH H2O DISPLACEMENT
Event	19	Slow Rate	12/6/2017	01:44:04	USER	8.33	2.00	275.00	76.0	PRESSURE JUST PRIOR TO SLOW DOWN WAS 690, PRESSURE AT 2 BPM 275PSI.
Event	20	Bump Plug	12/6/2017	01:48:39	COM5	8.33	2.00	792.00	86.0	PLUG BUMPED AT CALCULATED DISPLACEMENT, FINAL CIRCULATING PRESSURE WAS 290 PSI, PRESSURED UP TO 845 PSI
Event	21	Check Floats	12/6/2017	01:49:45	USER					FLOATS HELD, GAINED 1/2 BBL BACK TO PUMP
Event	22	End Job	12/6/2017	01:51:33	COM5					
Event	23	Post-Job Safety Meeting (Pre Rig-Down)	12/6/2017	01:55:00	USER					GOOD CIRCULATION THROUGHOUT JOB. PIPE WAS LEFT STATIC. CIRCULATED 18 BBL CEMENT TO SURFACE. 40# SUGAR USED, NO ADD HOURS CHARGED.
Event	24	Rig-Down Equipment	12/6/2017	02:00:00	USER					
Event	25	Pre-Convoy Safety Meeting	12/6/2017	02:55:00	USER					THANK YOU FOR CHOOSING HALLIBURTON CEMENTING OF GRAND JUNCTION, COLORADO
Event	26	Crew Leave Location	12/6/2017	03:00:00	USER					ANTHONY ANDREWS AND CREW

TEP - PA 42-26 - 9 5/8" SURFACE



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

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

▼ **HALLIBURTON** | iCem[®] Service

Created: 2017-12-05 16:50:18, Version: 4.2.393

Edit

Customer : TEP ROCKY MOUNTAIN LLC-EBUS
 Representative : COY BURR

Job Date : 12/6/2017 12:07:53 AM
 Sales Order # : 904485993

Well : PA 42-26
 ELITE 2 : TRAVIS BROWN/ ANTHONY ANDREWS

TEP - PA 42-26 - 9 5/8" SURFACE

