

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS

For: Terra

Date: Saturday, June 30, 2018

PA 34-26 Surface PJR

API# 05-045-23724-00

Sincerely,

Grand Junction Cement Engineering

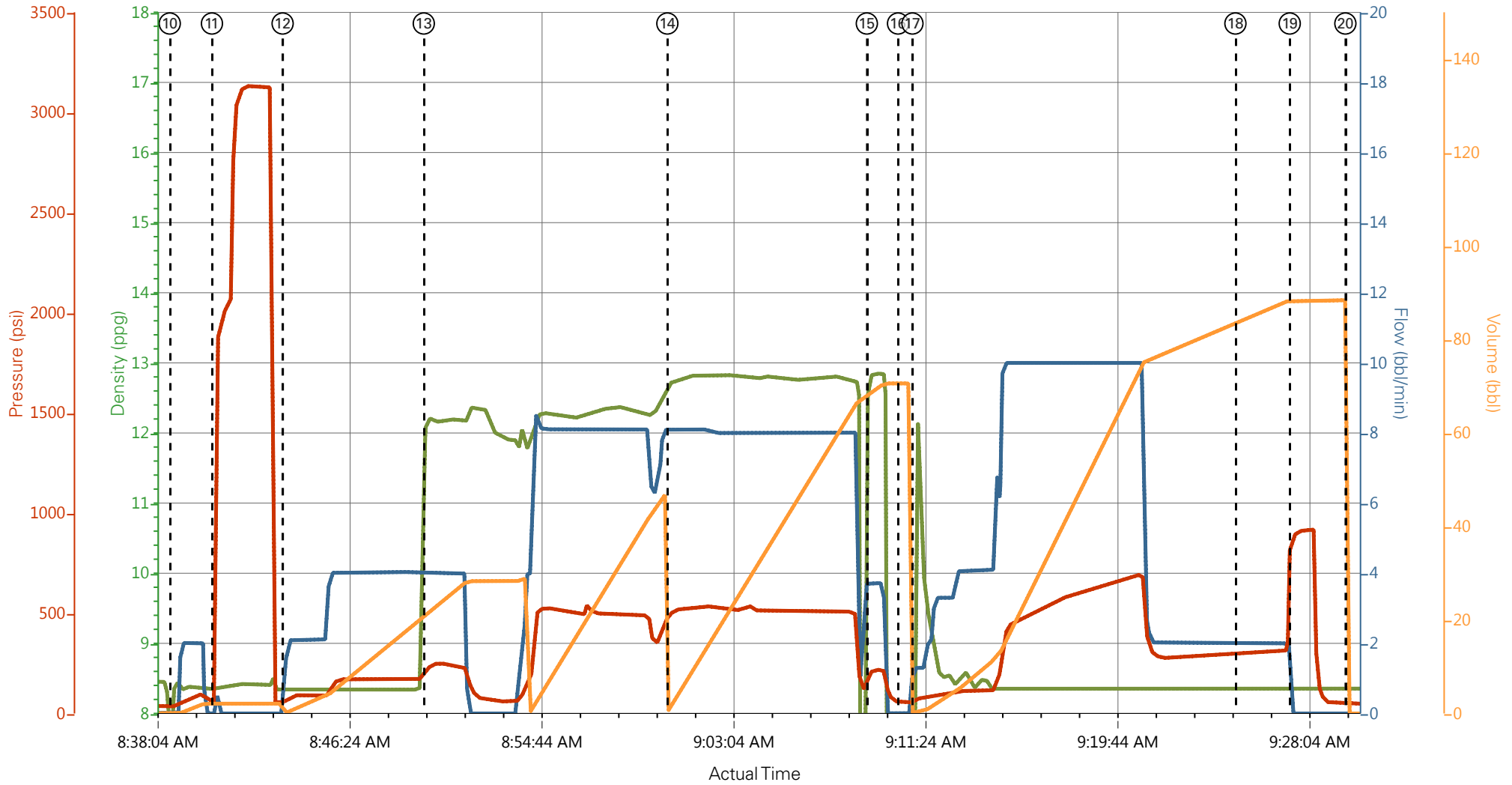
2.0 Real-Time Job Summary

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	6/30/2018	00:00:00	USER					
Event	2	Pre-Convoy Safety Meeting	6/30/2018	04:00:00	USER					
Event	3	Crew Leave Yard	6/30/2018	04:30:00	USER					
Event	4	Arrive At Loc	6/30/2018	04:45:00	USER					CREW WAS IN FIELD AWAITING CALLOUT, REQUESTED ON LOC TIME WAS 0600. RIG WAS RIGGING UP CASING CREW.
Event	5	Assessment Of Location Safety Meeting	6/30/2018	04:50:00	USER					
Event	6	Spot Equipment	6/30/2018	04:55:00	USER					
Event	7	Pre-Rig Up Safety Meeting	6/30/2018	05:00:00	USER					
Event	8	Rig-Up Equipment	6/30/2018	05:10:00	USER					
Event	9	Pre-Job Safety Meeting	6/30/2018	07:16:53	USER					
Event	10	Start Job	6/30/2018	08:38:44	COM5					TD: 1152 TP: 1143.8 SJ: 36.15 MW: 9.6PPG 9 5/8" 36#/FT CSG IN 13 1/2" OH WATER TEST: PH: 6.5 POTASSIUM: 700 CHLORIDES: 0 SULFATES: <200 TEMP: 68 DEGREES
Event	11	Test Lines	6/30/2018	08:40:34	COM5					3000 PSI TEST SUCCESSFUL
Event	12	Pump Spacer 1	6/30/2018	08:43:38	COM5	8.33	4.00	165.00	20.0	FRESH H2O SPACER

Event	13	Pump Lead Cement	6/30/2018	08:49:46	COM5	12.30	8.00	510.00	53.0	125 SKS @ 12.3 PPG 2.38 YLD 13.78 GAL/SK H2O
Event	14	Pump Tail Cement	6/30/2018	09:00:20	COM5	12.80	8.00	502.00	65.8	175 SKS @ 12.8 PPG 2.11 YLD 11.77 GAL/SK H2O
Event	15	Shutdown	6/30/2018	09:09:00	USER					
Event	16	Drop Top Plug	6/30/2018	09:10:21	COM5					PLUG AWAY
Event	17	Pump Displacement	6/30/2018	09:10:58	COM5	8.33	10.00	241.00	85.6	FRESH H2O DISPLACEMENT
Event	18	Slow Rate	6/30/2018	09:25:00	USER	8.33	2.00	330.00	70.0	
Event	19	Bump Plug	6/30/2018	09:27:21	COM5	8.33	2.00	876.00	85.6	PLUG BUMPED AT CALCULATED DISPLACEMENT. FINAL CIRCULATING PRESSURE WAS 330PSI, PRESSURED UP TO 850 PSI
Event	20	End Job	6/30/2018	09:29:46	COM5					
Event	21	Post-Job Safety Meeting (Pre Rig-Down)	6/30/2018	09:40:00	USER					GOOD CIRCULATION THROUGHOUT JOB. PIPE WAS LEFT STATIC. CIRCULATED 34 BBLS CMT TO SURFACE. NO ADD HOURS CHARGED. NO SUGAR USED.
Event	22	Rig-Down Equipment	6/30/2018	09:50:00	USER					
Event	23	Pre-Convoy Safety Meeting	6/30/2018	10:40:00	USER					
Event	24	Crew Leave Location	6/30/2018	10:45:00	USER					THANK YOU FOR CHOOSING HALLIBURTON CEMENTING OF GRAND JCT, CO ANTHONY ANDREWS AND CREW

TEP - PA 34-26 - 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 | ⑦ Pre-Rig Up Safety Meeting | ⑬ Pump Lead Cement | ⑰ Bump Plug |
| ② Pre-Convoy Safety Meeting | ⑧ Rig-Up Equipment | ⑭ Pump Tail Cement | ⑳ End Job |
| ③ Crew Leave Yard | ⑨ Pre-Job Safety Meeting | ⑮ Shutdown | ㉑ Post-Job Safety Meeting (Pre Rig-Down) |
| ④ Arrive At Loc | ⑩ Start Job | ⑯ Drop Top Plug | ㉒ Rig-Down Equipment |
| ⑤ Assessment Of Location Safety Meeting | ⑪ Test Lines | ⑰ Pump Displacement | ㉓ Pre-Convoy Safety Meeting |
| ⑥ Spot Equipment | ⑫ Pump Spacer 1 | ⑱ Slow Rate | ㉔ Crew Leave Location |

TEP - PA 34-26 - 9 5/8" SURFACE

