

HALLIBURTON

iCem[®] Service

Terra Energy Partners

For: Terra

Date: Monday, July 10, 2017

SR 322-12 Surface PJR

API# 05-045-23428-00

Sincerely,

Grand Junction Cement Engineering

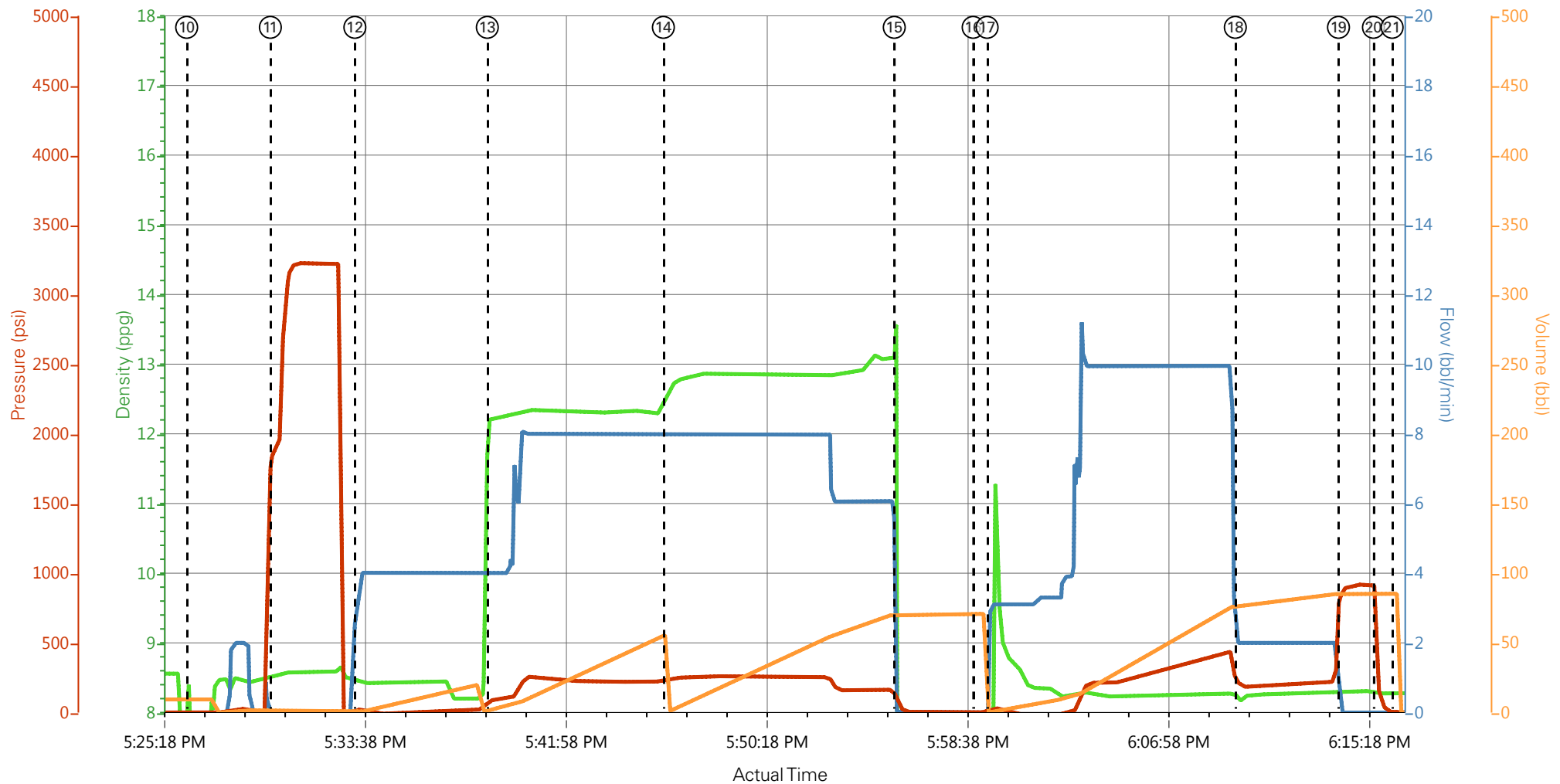
2.0 Real-Time Job Summary

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	7/10/2017	08:00:00	USER					
Event	2	Pre-Convoy Safety Meeting	7/10/2017	12:15:00	USER					
Event	3	Crew Leave Location	7/10/2017	12:30:00	USER					
Event	4	Arrive At Loc	7/10/2017	14:00:00	USER					
Event	5	Assessment Of Location Safety Meeting	7/10/2017	14:05:00	USER					
Event	6	Spot Equipment	7/10/2017	14:10:00	USER					
Event	7	Pre-Rig Up Safety Meeting	7/10/2017	14:15:00	USER					
Event	8	Rig-Up Equipment	7/10/2017	14:30:00	USER					
Event	9	Pre-Job Safety Meeting	7/10/2017	17:00:00	USER					
Event	10	Start Job	7/10/2017	17:26:23	COM5					TD: 1126 TP: 1092.39 SJ: 46.39 MW: 9.7 9 5/8" 32.3#/FT CSG IN 13 1/2" OH WATER TEST: PH: 6.5 POTASSIUM: 700 SULFATES: <200 CHLORIDES: 0 TEMP: 70 DEGREES
Event	11	Test Lines	7/10/2017	17:29:51	COM5	8.33	0.00	3000.00	0.0	3000 PSI TEST
Event	12	Fresh H2O Spacer	7/10/2017	17:33:21	COM5	8.33	4.00	65.00	20.0	FRESH H2O SPACER
Event	13	Pump Lead Cement	7/10/2017	17:38:51	COM5	12.30	8.00	120.00	53.0	125 SKS @ 12.3 PPG 2.38 YLD 13.77GAL/SK H2O

Event	14	Pump Tail Cement	7/10/2017	17:46:09	COM5	12.80	8.00	210.00	65.8	175 SKS @ 12.8 PPG 2.11 YLD 11.78 GAL/SK H2O
Event	15	Shutdown	7/10/2017	17:55:44	USER					
Event	16	Drop Top Plug	7/10/2017	17:59:01	COM5					PLUG AWAY
Event	17	Pump Displacement	7/10/2017	17:59:35	COM5	8.33	10.0	240.00	82.3	FRESH H2O DISPLACEMENT
Event	18	Slow Rate	7/10/2017	18:09:53	USER	8.33	2.00	221.00	72.0	
Event	19	Bump Plug	7/10/2017	18:14:10	COM5	8.33	0.00	871.00	82.3	PLUG BUMPED AT CALCULATED DISPLACEMENT
Event	20	Check Floats	7/10/2017	18:15:37	COM5					FLOATS HELD
Event	21	End Job	7/10/2017	18:16:24	COM5					
Event	22	Post-Job Safety Meeting (Pre Rig-Down)	7/10/2017	18:30:00	USER					GOOD CIRCULATION THROUGHOUT JOB. OOFFLINE SURFACE PUMPED THROUGH CASING SWAGE. CIRCULATED 3 BBL CEMENT TO SURFACE,USED 20# SUGAR, NO ADD HOURS CHARGED.
Event	23	Rig-Down Equipment	7/10/2017	18:35:00	USER					
Event	24	Pre-Convoy Safety Meeting	7/10/2017	19:25:00	USER					
Event	25	Crew Leave Location	7/10/2017	19:30:00	USER					THANK YOU FOR CHOOSING HALLIBURTON CEMENTING OF GRAND JUNCTION, COLORADO ANTHONY ANDREWS AND CREW

TEP - YOUNBERG SR 322-12 - 9 5/8" SURFACE



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

① Call Out n/a;n/a;n/a;n/a	⑧ Rig-Up Equipment n/a;n/a;n/a;n/a	⑮ Shutdown 3.33;0;59;70.8	22 Post-Job Safety Meeting (Pre Rig-Down) n/a;n/a;n/a;n/a
② Pre-Convoy Safety Meeting n/a;n/a;n/a;n/a	⑨ Pre-Job Safety Meeting 8.56;0;1;9.4	⑯ Drop Top Plug 0.15;0;2;70.8	23 Rig-Down Equipment n/a;n/a;n/a;n/a
③ Crew Leave Location n/a;n/a;n/a;n/a	⑩ Start Job 7.55;0;0;9.4	⑰ Pump Displacement 0.83;3.1;7;0.2	24 Pre-Convoy Safety Meeting n/a;n/a;n/a;n/a
④ Arrive At Loc n/a;n/a;n/a;n/a	⑪ Test Lines 8.54;0;1882;1.6	⑱ Slow Rate 8.14;2;221;76.9	25 Crew Leave Location n/a;n/a;n/a;n/a
⑤ Assessment Of Location Safety Meeting n/a;n/a;n/a;n/a	⑫ Fresh H2O Spacer 8.48;3.55;24.5;0.05	⑲ Bump Plug 8.3;0;871;85.2	
⑥ Spot Equipment n/a;n/a;n/a;n/a	⑬ Pump Lead Cement 12.25;4;88;1.9	20 Check Floats 8.31;0;328;85.2	
⑦ Pre-Rig Up Safety Meeting n/a;n/a;n/a;n/a	⑭ Pump Tail Cement 12.57;8;233.09;0.15	21 End Job 8.28;0;-1;85.2	

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