

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS

For: Terra Energy

Ware SR 523-12

API # 05-045-23442-00

Ware SR 523-12 Surface

Job Date: Friday, December 29, 2017

Sincerely,

Grand Junction Cement Engineering

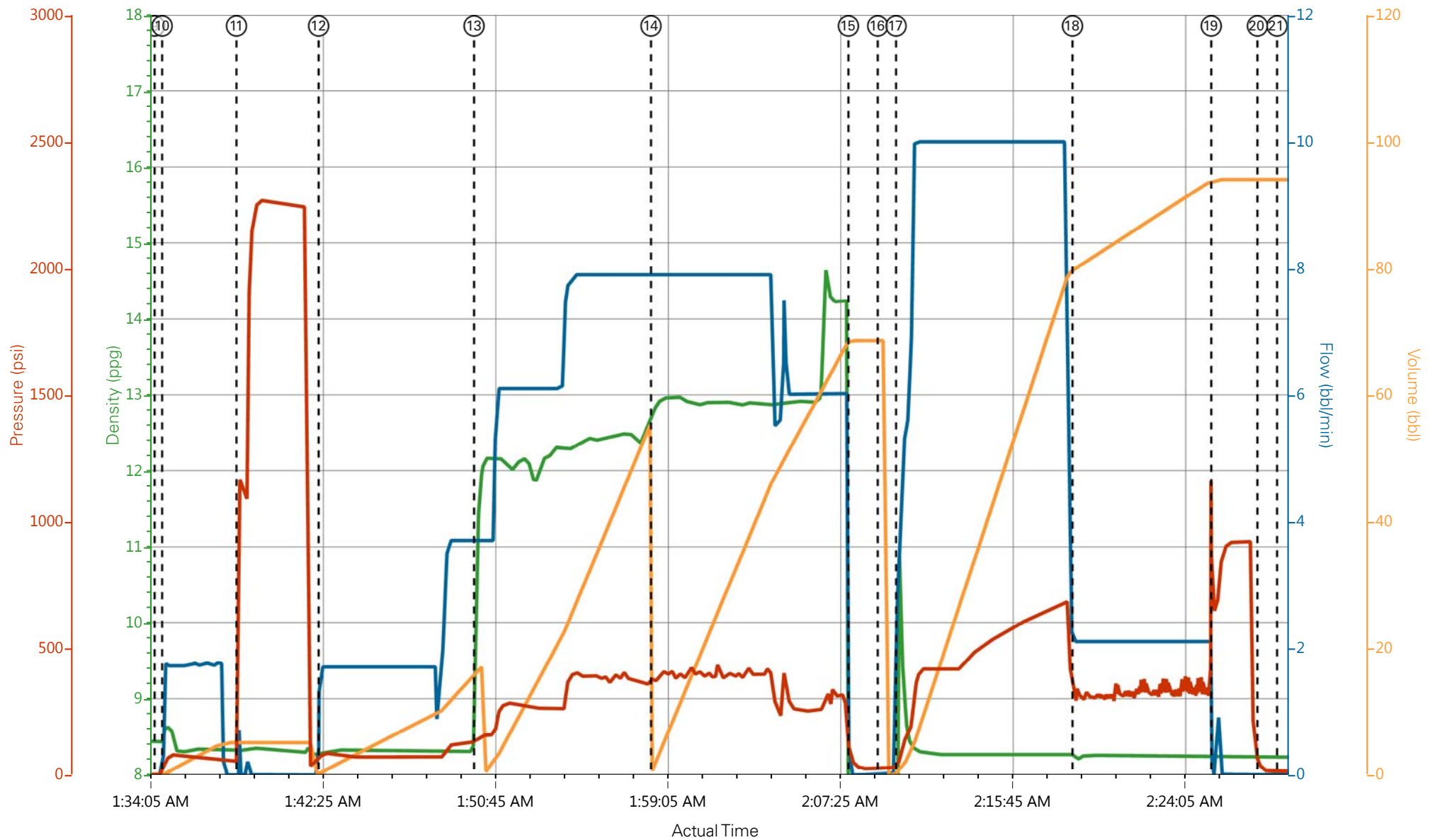
1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	Downhole Density (ppg)	Combined Pump Rate (bbl/min)	Pump Stage Total (bbl)	Driv-Side Pump Pressure (psi)	Comments
Event	1	Call Out	12/28/2017	19:30:00						Requested on Location @ 23:30
Event	2	Pre-Convoy Safety Meeting	12/28/2017	20:00:00						
Event	3	Arrive at Location from Other Job or Site	12/28/2017	23:30:00						Rig running casing
Event	4	Assessment Of Location Safety Meeting	12/28/2017	23:35:00						JSA completed - Customer offered/received SDS - water test pH 7.0, Cl <200, temp 50 degrees
Event	5	Pre-Rig Up Safety Meeting	12/28/2017	23:44:00						
Event	6	Rig-Up Equipment	12/28/2017	23:55:00						1 hardline to standpipe, water hoses to uprights, bulk hoses to 660.
Event	7	Other	12/29/2017	00:09:30						Rig Circulated 30 mins prior to cement job at 450 gpm 300 psi
Event	8	Pre-Job Safety Meeting	12/29/2017	01:30:00						All HES personnel, rig crew, and company rep
Event	9	Start Job	12/29/2017	01:34:26						TD 1141', TP 1135', SJ 37.74', MUD 9.0 ppg, OH 13.5", CSG 9 5/8" 32.3 #
Event	10	Fill Lines	12/29/2017	01:34:48		8.33	2	5	50	Fresh Water
Event	11	Test Lines	12/29/2017	01:38:23					2248	Held pressure 2 minutes no leaks
Event	12	Pump Spacer	12/29/2017	01:42:22		8.33	4	15	120	Fresh Water
Event	13	Pump Lead Cement	12/29/2017	01:49:52		12.3	8	53	400	125 sks, 12.3 ppg, 2.38 yield, 13.77 gal-sk

Event	14	Pump Tail Cement	12/29/2017	01:58:25	12.8	8	65.8	430	175 sks, 12.8 ppg, 2.11 yield, 11.78 gal-sk
Event	15	Shutdown	12/29/2017	02:07:58					Wash up on top of plug
Event	16	Drop Top Plug	12/29/2017	02:09:22					Co-Rep Verified
Event	17	Pump Displacement	12/29/2017	02:10:16	8.33	10		630	Fresh Water
Event	18	Slow Rate	12/29/2017	02:18:47	8.33	2	76	325	Slow Rate 10 bbls to calculated displacement
Event	19	Bump Plug	12/29/2017	02:25:29	8.33	2	86.4	915	Plug Bumped at 300 psi, Brought up to 915 psi
Event	20	Check Floats	12/29/2017	02:27:43					Floats Held, 1/2 bbl Back To Truck
Event	21	End Job	12/29/2017	02:28:40					good returns throughout job, 26 bbls of cement to surface.
Event	22	Pre-Rig Down Safety Meeting	12/29/2017	02:35:28					20 lbs sugar, No add hours
Event	23	Rig-Down Equipment	12/29/2017	02:37:40					
Event	24	Pre-Convoy Safety Meeting	12/29/2017	02:54:11					
Event	25	Crew Leave Location	12/29/2017	02:55:53					Thanks For Using Halliburton Cement. Chris Martinez And Crew

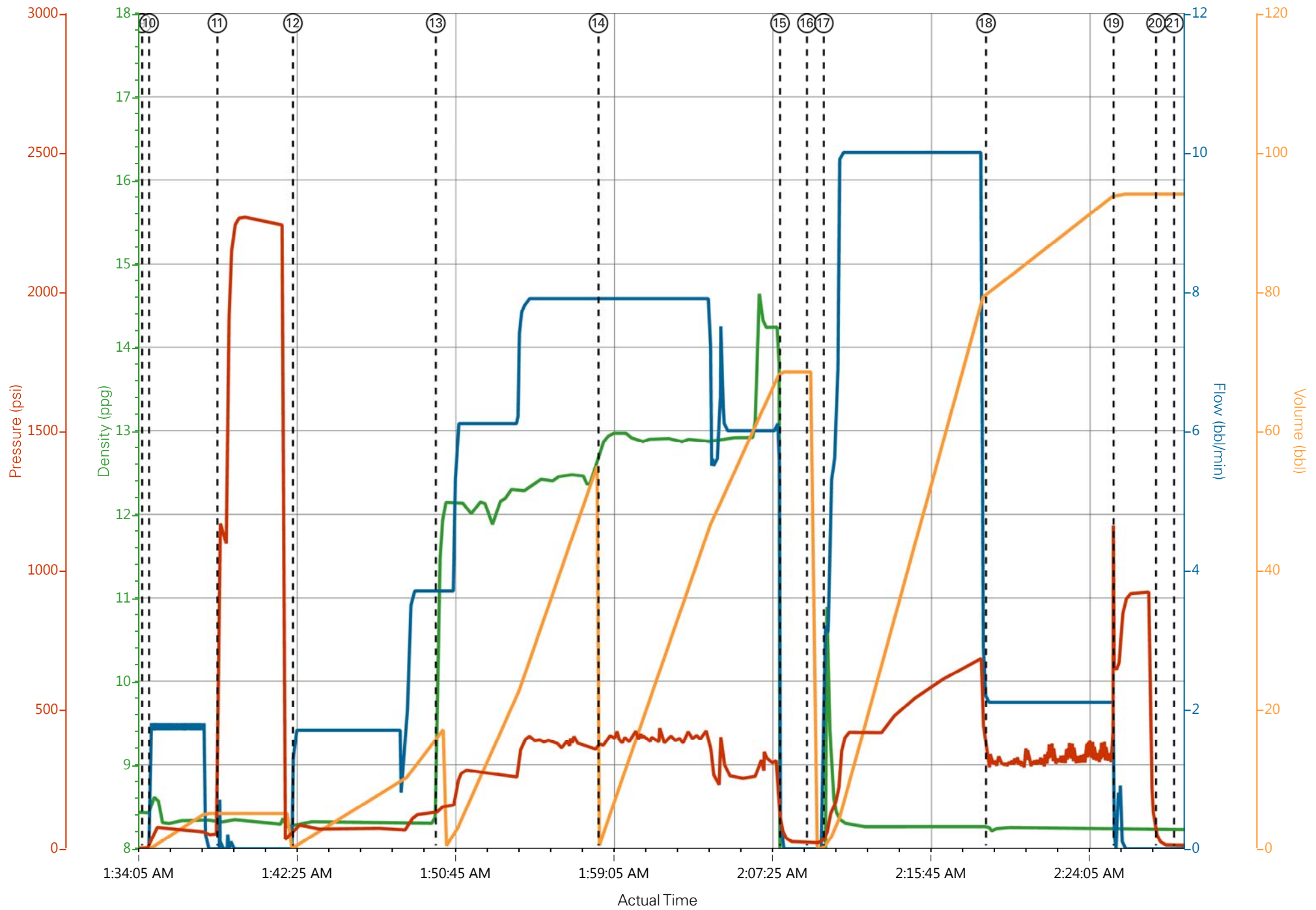
SR 523-12 Surface



DH Density (ppg) -0.16 Comb Pump Rate (bbl/min) 0 DS Pump Press (psi) 40 Pump Stg Tot (bbl) 0

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|---|---|-------------------------------|---------------------------------------|--|
| ① Call Out n/a;n/a;n/a;n/a | ⑤ Pre-Rig Up Safety Meeting n/a;n/a;n/a;n/a | ⑨ Start Job 8.43;0;1;0 | ⑬ Pump Lead Cement 11.17;3.7;136;16.3 | ⑰ Pump Displacement 11.17;3.7;136;16.3 |
| ② Pre-Convoy Safety Meeting n/a;n/a;n/a;n/a | ⑥ Rig-Up Equipment n/a;n/a;n/a;n/a | ⑩ Fill Lines 8.65;1.7;40;0.2 | ⑭ Pump Tail Cement 12.81;7.9;371;1.5 | ⑱ Slow Rate 8.26;2.1;290;0.2 |
| ③ Arrive at Location from Other Job or Site n/a;n/a;n/a;n/a | ⑦ Other n/a;n/a;n/a;n/a | ⑪ Test Lines 8.29;0;1162;5 | ⑮ Shutdown 0.19;0;57;68.5 | ⑲ Bump Plug 8.25;0;647;0.2 |
| ④ Assessment Of Location Safety Meeting n/a;n/a;n/a;n/a | ⑧ Pre-Job Safety Meeting 8.46;0;0;0 | ⑫ Pump Spacer 8.28;1.7;79;0.3 | ⑯ Drop Top Plug -0.06;0;21;68.5 | ⑳ Check Floats 8.23;0;290;0.2 |

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