

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS-EBUS

For: Terra

Date: Thursday, April 26, 2018

PA 532-26 Surface PJR

API# 05-045-23707

Sincerely,

Grand Junction Cement Engineering

2.0 Real-Time Job Summary

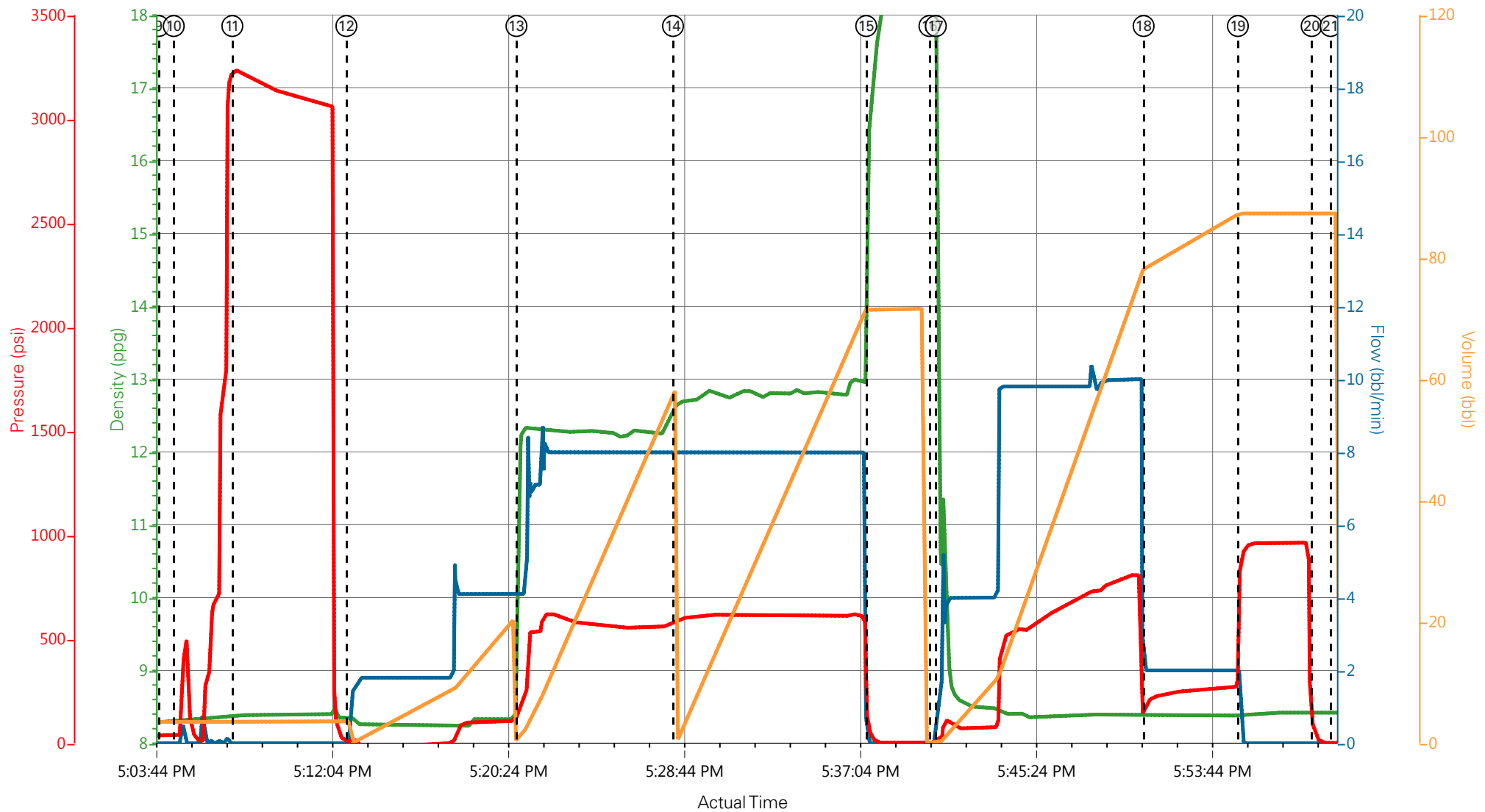
2.1 Job Event Log

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	4/26/2018	08:00:00	USER					REQUESTED ON LOCATION @ 14:00
Event	2	Pre-Convoy Safety Meeting	4/26/2018	09:45:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	4/26/2018	10:00:00	USER					1 HT 400 PUMP TRUCK E8, 1 660 BULK TRUCKS, 1 450 SERVICE PICKUP
Event	4	Arrive At Loc	4/26/2018	12:00:00	USER					ARRIVED 2 HOUR EARLY. RIG GETTING READY TO START RUNNING CASING
Event	5	Assessment Of Location Safety Meeting	4/26/2018	12:05:00	USER					MET WITH COMP REP, AND WENT OVER NUMBERS AND JOB PROCEDURE. WALKED AROUND LOCATION AND COLLECTED WATER SAMPLE (PH- 7.0, CHLORIDES- 500, TEMP- 58F). COMP REP WAS OFFERED SDS FOR ALL CHEMICLES USED BY HES.
Event	6	Pre-Rig Up Safety Meeting	4/26/2018	12:10:00	USER					ALL HES PRESENT
Event	7	Rig-Up Equipment	4/26/2018	12:15:00	USER					HES RIGGED UP EQUIPMENT WITHOUT ENTERING RED ZONE.
Event	8	Pre-Job Safety Meeting	4/26/2018	16:45:00	USER					ALL HES EMPLOYEES AND RIG CREW PRESENT, RIG CIRCULATED @ 10 BPM PRIOR TO JOB, PRESSURE @250 PSI

Event	9	Start Job	4/26/2018	17:04:00	COM6					TD 1135', TP 1127.98' OF 9 5/8" 36# SURFACE CSG, FC @ 1084.76', OH 13.5", MUD 9.5 PPG
Event	10	Prime Lines	4/26/2018	17:04:43	USER	8.33	2	40	3	FRESH WATER
Event	11	Test Lines	4/26/2018	17:07:29	COM6	8.33	0	3185	0	ALL LINES HELD PRESSURE AT 3185 PSI
Event	12	Pump H2O Spacer	4/26/2018	17:12:53	COM6	8.33	4	120	20	FRESH WATER
Event	13	Pump Lead Cement	4/26/2018	17:20:56	COM6	12.3	8	600	53	125 SKS VARICEM CMT 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK
Event	14	Pump Tail Cement	4/26/2018	17:28:21	COM6	12.8	8	650	65.8	175 SKS VARICEM CMT 12.8 PPG, 2.11 FT3/SK, 11.78 GAL/SK
Event	15	Shutdown	4/26/2018	17:37:30	USER					END OF CEMENT, WASH UP ON TOP OF PLUG
Event	16	Drop Top Plug	4/26/2018	17:40:30	USER					VERIFIED BY FLAG INDICATOR
Event	17	Pump Displacement	4/26/2018	17:40:48	COM6	8.33	10	820	83.9	FRESH WATER
Event	18	Slow Rate	4/26/2018	17:50:38	USER	8.33	2	240	73.9	SLOW RATE TO 2 BPM TO BUMP PLUG
Event	19	Bump Plug	4/26/2018	17:55:06	COM6	8.33	2	270	83.9	LAND PLUG AT 270 PSI, BROUGHT UP TO 960 PSI
Event	20	Check Floats	4/26/2018	17:58:36	USER					FLOATS HELD, 1 BBL BACK TO TRUCK
Event	21	End Job	4/26/2018	17:59:29	COM6					RETURNS THROUGHOUT JOB, 23 BBLS CMT TO SURFACE, 40# OF SUGAR USED.
Event	22	Post-Job Safety Meeting (Pre Rig-Down)	4/26/2018	18:01:00	USER					ALL HES PRESENT
Event	23	Rig-Down Equipment	4/26/2018	18:05:00	USER					ALL HES PRESENT

Event	24	Pre-Convoy Safety Meeting	4/26/2018	18:50:00	USER	ALL HES PRESENT
Event	25	Crew Leave Location	4/26/2018	19:00:00	USER	THANK YOU FOR CHOOSING HALLIBURTON CEMENT, SHAWN BLOSSOM AND CREW

TERRA PA 532-26, 9 5/8" SURFACE



DH Density (ppg) 0.14 Comb Pump Rate (bbl/min) 0 PS Pump Press (psi) 1 Pump Stg Tot (bbl) 0

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|---|-----------------------------|--------------------|---------------------|---|
| ① Call Out | ⑥ Pre-Rig Up Safety Meeting | ⑪ Test Lines | ⑯ Drop Top Plug | 21 End Job |
| ② Pre-Convoy Safety Meeting | ⑦ Rig-Up Equipment | ⑫ Pump H2O Spacer | ⑰ Pump Displacement | 22 Post-Job Safety Meeting (Pre Rig-Down) |
| ③ Crew Leave Yard | ⑧ Pre-Job Safety Meeting | ⑬ Pump Lead Cement | ⑱ Slow Rate | 23 Rig-Down Equipment |
| ④ Arrive At Loc | ⑨ Start Job | ⑭ Pump Tail Cement | ⑲ Bump Plug | 24 Pre-Convoy Safety Meeting |
| ⑤ Assessment Of Location Safety Meeting | ⑩ Prime Lines | ⑮ Shutdown | 20 Check Floats | 25 Crew Leave Location |

▼ **HALLIBURTON** | iCem® Service

Created: 2018-04-26 09:40:33, Version: 4.2.393

Edit

Customer : TERRA ENERGY PARTNERS-EBUS
Representative : GARRETT WADE

Job Date : 4/26/2018
Sales Order # : 904805671

Well : PA 532-26
ELITE 8 : P.SALAZAR/S.BLOSSOM

TERRA PA 532-26, 9 5/8" SURFACE

