

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS-EBUS

For: Terra

Date: Friday, January 26, 2018

WARE SR 524-12Production

API# 05-045-23446

Sincerely,

Grand Junction Cement Engineering

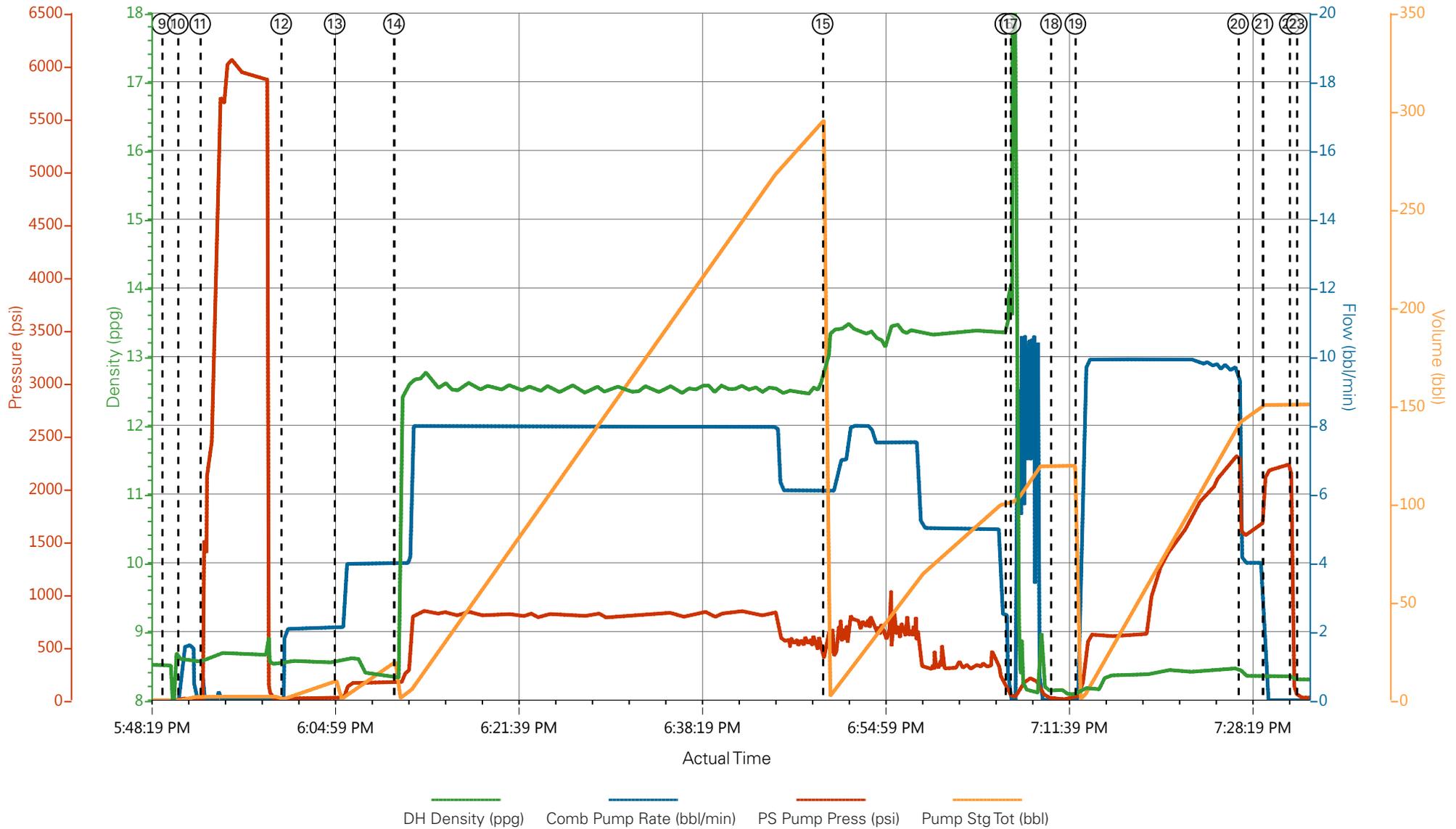
2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	Combined Pump Rate (bbl/min)	Downhole Density (ppg)	Pass-Side Pump Pressure (psi)	Pump Stage Total (bbl)	Comments
Event	1	Call Out	01/26/2018	00:00:00	USER					REQUESTED ON LOCATION TIME 1400, ELITE #1
Event	2	Pre-Convoy Safety Meeting	01/26/2018	11:30:00	USER					ALL HES EMPLOYEES
Event	3	Arrive At Loc	01/26/2018	13:30:00	USER					ARRIVED ON LOCATION 1/2 HOUR EARLY, RIG RUNNING CASING
Event	4	Meet With Company Rep	01/26/2018	13:45:00	USER					COMPANY REP OFFERED SDS / WATER TEST: TEMP: 52 PH: 7 CHLORIDES 500
Event	5	Assessment Of Location Safety Meeting	01/26/2018	14:00:00	USER					ALL HES EMPLOYEES
Event	6	Pre-Rig Up Safety Meeting	01/26/2018	14:10:00	USER					ALL HES EMPLOYEES
Event	7	Rig-Up Equipment	01/26/2018	14:20:00	USER					1 HT-400 PUMP TRUCK 1 660 BULK TRUCK 1 SILO 1 F-550 PICKUP
Event	8	Pre-Job Safety Meeting	01/26/2018	17:30:00	USER					ALL HES EMPLOYEES AN RIG CCREW RIG CIRCULATED @ 10 BPM WITH 1000 CFM AIR PRIOR TO JOB, GAS @ 19 PRIOR TO STARTING THE JOB
Event	9	Start Job	01/26/2018	17:49:33	COM5					TD:9761 TP: 9755 SJ: 27.53 CSG: 4 1/2 11.6# P-110 OH: 8 3/4 SURFACE SHOE @ 1139, 9 5/8 32.3# H-40 MUD WT: 9.2 PPG
Event	10	Prime Lines	01/26/2018	17:51:00	USER	2.0	8.33	25	3.0	PRIME LINES WITH 3 BBLs FRESH WATER
Event	11	Test Lines	01/26/2018	17:53:01	COM5	0.0	8.33	6011	3.0	PRESSURE TEST OK
Event	12	Pump Fresh Water Spacer	01/26/2018	18:00:22	COM5	2.0	8.33	60	10	PUMP 10 BBL FRESH WATER SPACER
Event	13	Pump Mud Flush III Spacer	01/26/2018	18:05:14	COM5	4.0	8.4	175	20	PUMP 20 BBL MUD FLUSH III SPACER

Event	14	Pump Lead Cement	01/26/2018	18:10:37	COM5	8.0	12.5	850	280	810 SKS 12.3 PPG 1.94 YIELD 9.6 GAL/SK LEAD CEMENT WEIGHT VERIFIED VIA PRESSURIZED MUD SCALES
Event	15	Pump Tail Cement	01/26/2018	18:49:33	COM5	8.0	13.3	760	81.6	265 SKS 13.3 PPG 1.73 YIELD 7.81 GAL/SK TAIL CEMENT WEIGHT VERIFIED VIA PRESSURIZED MUD SCALES
Event	16	Shutdown	01/26/2018	19:06:09	COM5					SHUTDOWN TO CLEAN PUMPS AND LINES
Event	17	Clean Lines	01/26/2018	19:06:37	USER		8.33		10	CLEAN PUMPS AND LINES TO PIT AND BLOW AIR FROM RIG FLOOR TO PIT
Event	18	Drop Top Plug	01/26/2018	19:10:18	COM5					PLUG AWAY NO PROBLEMS
Event	19	Pump Displacement	01/26/2018	19:12:31	COM5	10.0	8.4	2300	150.8	1 GAL MMCR 3 #S BE-6 14 BAGS KCL, FRESH WATER DISPLACEMENT
Event	20	Slow Rate	01/26/2018	19:27:18	USER	4.0	8.4	1690	140	SLOW RATE TO BUMP PLUG
Event	21	Bump Plug	01/26/2018	19:29:31	USER	4.0	8.4	2232	150.8	PSI BEFORE BUMPING PLUG @ 1690 BUMPED PLUG UP TO 2232 PSI
Event	22	Check Floats	01/26/2018	19:32:00	USER					FLOATS HELD, 1 1/4 BBL BACK TO DISPLACEMENT TANKS
Event	23	End Job	01/26/2018	19:32:37	COM5					MAINTAINED RETURNS THROUGHOUT JOB, PIPE STATIC THROUGHOUT JOB
Event	24	Pre-Rig Down Safety Meeting	01/26/2018	19:50:00	USER					ALL HES EMPLOYEES
Event	25	Rig-Down Equipment	01/26/2018	19:55:00	USER					
Event	26	Pre-Convoy Safety Meeting	01/26/2018	20:55:00	USER					ALL HES EMPLOYEES
Event	27	Crew Leave Location	01/26/2018	21:00:00	USER					THANK YOU FOR USING HALLIBURTON CEMENT, DUSTIN SMITH AND CREW

TEP - WARE SR 524-12 - 4 1/2 PRODUCTION



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

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|---|---------------------------|-----------------------------|--------------------------------|------------------------------|
| ① Call Out | ⑦ Rig-Up Equipment | ⑬ Pump Mud Flush III Spacer | ⑲ Pump Displacement | 25 Rig-Down Equipment |
| ② Pre-Convoy Safety Meeting | ⑧ Pre-Job Safety Meeting | ⑭ Pump Lead Cement | 20 Slow Rate | 26 Pre-Convoy Safety Meeting |
| ③ Arrive At Loc | ⑨ Start Job | ⑮ Pump Tail Cement | 21 Bump Plug | 27 Crew Leave Location |
| ④ Meet With Company Rep | ⑩ Prime Lines | ⑯ Shutdown | 22 Check Floats | |
| ⑤ Assessment Of Location Safety Meeting | ⑪ Test Lines | ⑰ Clean Lines | 23 End Job | |
| ⑥ Pre-Rig Up Safety Meeting | ⑫ Pump Fresh Water Spacer | ⑱ Drop Top Plug | 24 Pre-Rig Down Safety Meeting | |

▼ **HALLIBURTON** | iCem® Service

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Edit

Customer : TERRA ENERGY PARTNERS-EBUS
 Representative : ROBERT BROWN / NATHAN BURR

Job Date : 1/26/2018 3:20:48 PM
 Sales Order # : 0904590438

Well : WARE SR 524-12
 ELITE# 1 : DUSTIN SMITH / JAMES LEIST

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