

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS-EBUS

For: Terra

Date: Monday, February 05, 2018

SR 514-12 Surface PJR

API #: 05-045-23435

Sincerely,

Grand Junction Cement Engineering

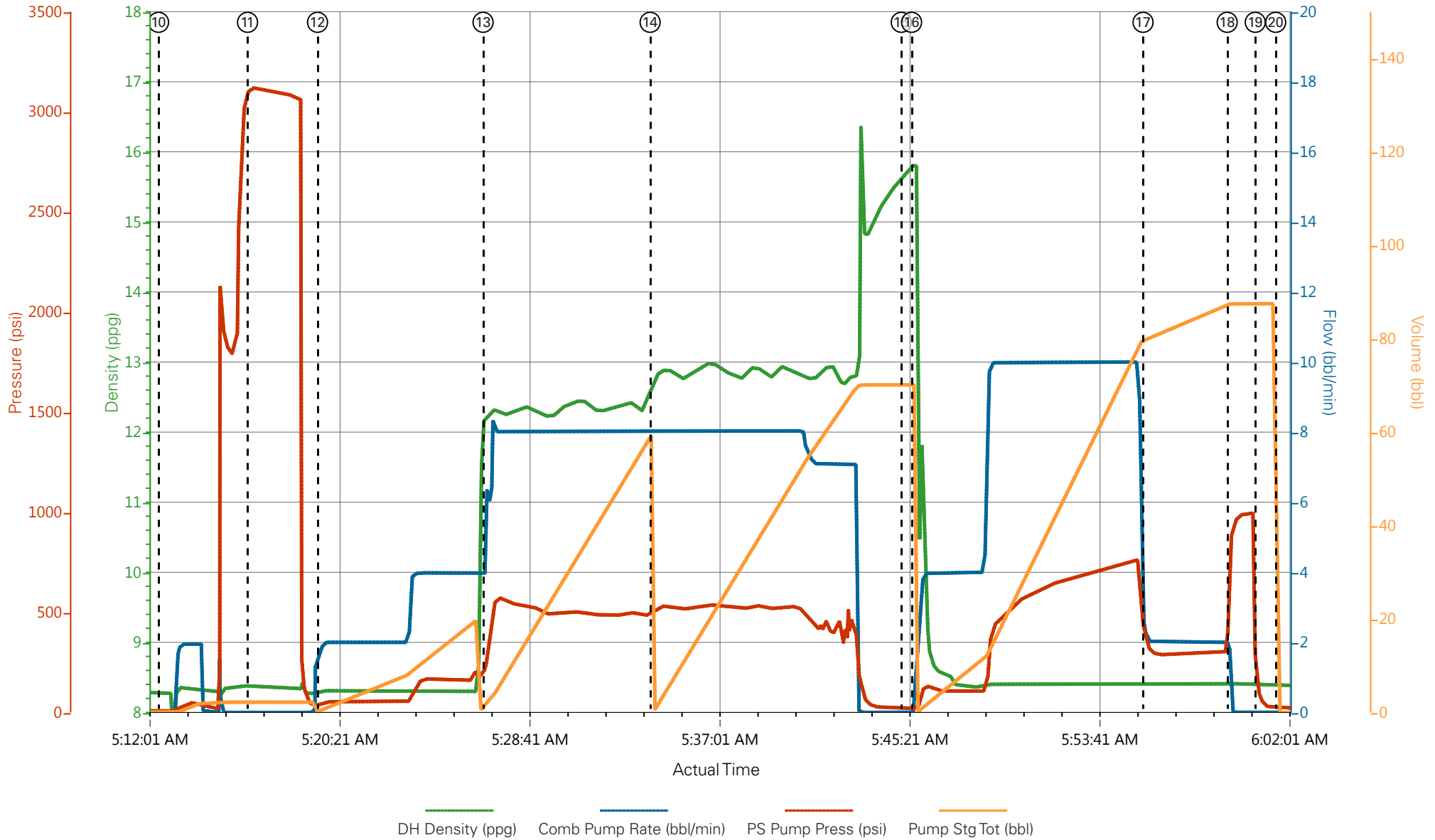
2.0 Real-Time Job Summary

2.1 Job Event Log

| Type | Seq. No. | Graph Label | Date | Time | Source | DH Density <i>(ppg)</i> | Comb Pump Rate <i>(bbl/min)</i> | PS Pump Press <i>(psi)</i> | Pump Stg Tot <i>(bbl)</i> | Comments |
|-------|----------|---------------------------------------|----------|----------|--------|----------------------------|------------------------------------|-------------------------------|------------------------------|---|
| Event | 1 | Call Out | 2/4/2018 | 22:00:00 | USER | | | | | |
| Event | 2 | Pre-Convoy Safety Meeting | 2/5/2018 | 00:01:00 | USER | | | | | |
| Event | 3 | Crew Leave Yard | 2/5/2018 | 00:10:00 | USER | | | | | |
| Event | 4 | Arrive At Loc | 2/5/2018 | 01:30:00 | USER | | | | | ORS SIGNED WOC, RIG STARTING TO RUN CASING |
| Event | 5 | Assessment Of Location Safety Meeting | 2/5/2018 | 02:00:00 | USER | | | | | WATER TEST: PH-6.8, CL-0, TEMP- 62 |
| Event | 6 | Pre-Rig Up Safety Meeting | 2/5/2018 | 02:30:00 | USER | | | | | JSA COMPLETE |
| Event | 7 | Rig-Up Equipment | 2/5/2018 | 03:00:00 | USER | | | | | 1 ELITE, 1 660, RIGGED INTO BOTH WATER TANKS |
| Event | 8 | Pre-Job Safety Meeting | 2/5/2018 | 04:30:00 | USER | | | | | JSA COMPLETE |
| Event | 9 | Other | 2/5/2018 | 04:45:00 | USER | | | | | 9 5/8 32.3# TP-1168, TD-1175, S.J.-38.48, HOLE- 13 1/2, MUD#- 9.4 |
| Event | 10 | Start Job | 2/5/2018 | 05:12:33 | COM5 | | | | | |
| Event | 11 | Test Lines | 2/5/2018 | 05:16:27 | COM5 | 8.33 | 0.00 | 3120.00 | 2.2 | 3120 PSI |
| Event | 12 | Pump Spacer 1 | 2/5/2018 | 05:19:31 | COM5 | 8.33 | 4.00 | 160 | 20.0 | FRESH WATER |
| Event | 13 | Pump Lead Cement | 2/5/2018 | 05:26:47 | COM5 | 12.30 | 8.00 | 490 | 57.5 | 135 SKS 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK |
| Event | 14 | Pump Tail Cement | 2/5/2018 | 05:34:07 | COM5 | 12.80 | 8.00 | 520.0 | 65.8 | 175 SKS, 12.8 PPG, 2.11 FT3/SK, 11.78 GAL/SK |
| Event | 15 | Drop Top Plug | 2/5/2018 | 05:45:08 | COM5 | | | | | AWAY, USING POSITIVE |

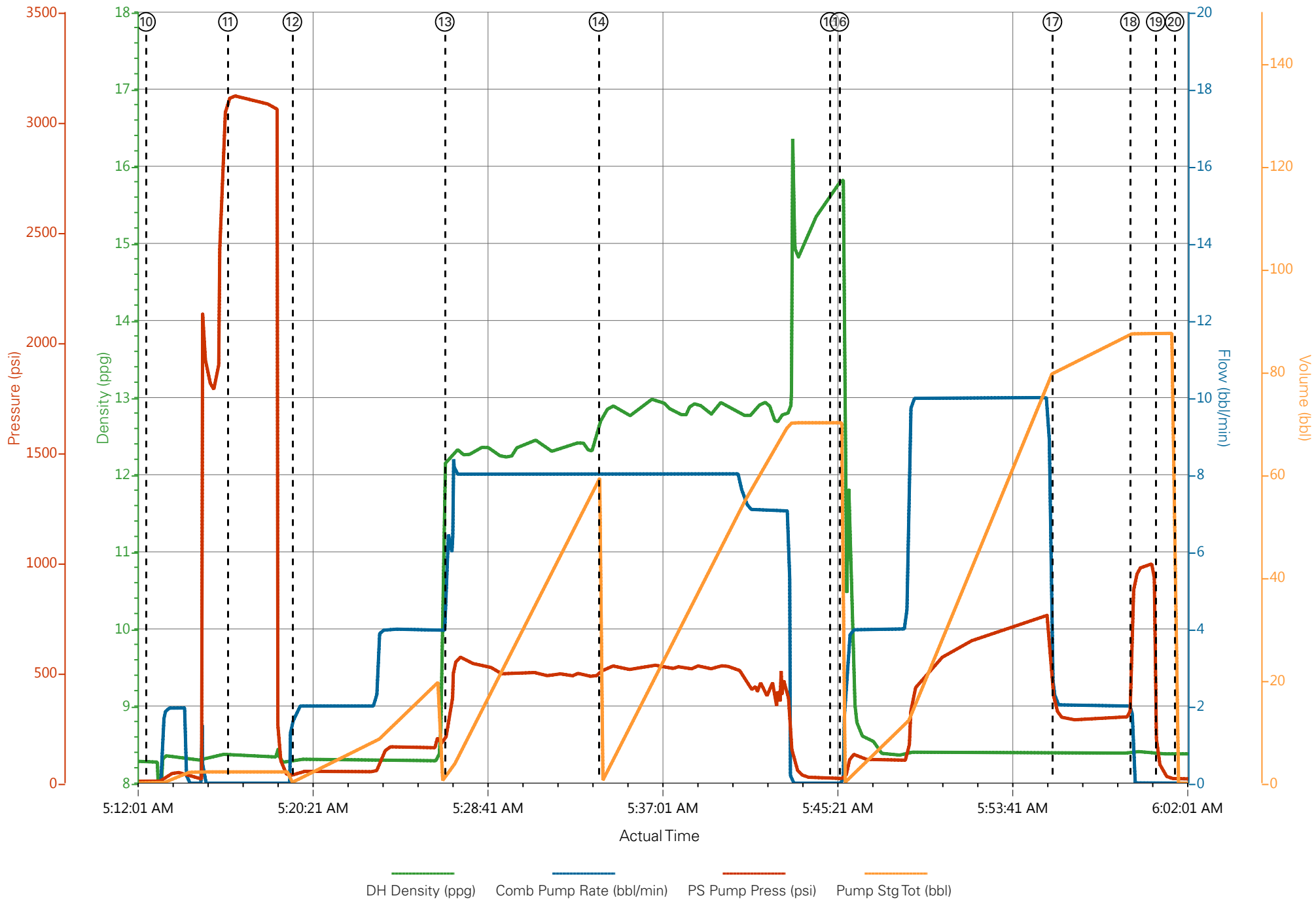
| | | | | | | | | | | DISPLACEMENT |
|-------|----|--|----------|----------|------|------|------|-----|------|--|
| Event | 16 | Pump Displacement | 2/5/2018 | 05:45:35 | COM5 | 8.33 | 10.0 | 768 | 88.7 | FRESH WATER, 48 BBLS OF CEMENT TO SURFACE |
| Event | 17 | Slow Rate | 2/5/2018 | 05:55:44 | USER | 8.33 | 2.00 | 295 | 78 | TO BUMP PLUG |
| Event | 18 | Bump Plug | 2/5/2018 | 05:59:25 | COM5 | 8.33 | 2.00 | 300 | 88.7 | PLUG BUMPED |
| Event | 19 | Check Floats | 2/5/2018 | 06:00:39 | USER | | | 985 | | FLOATS HELD, 0.5 BBLS BACK TO TRUCK |
| Event | 20 | End Job | 2/5/2018 | 06:01:33 | COM5 | | | | | GOOD RETURNS THROUGHOUT JOB, NO PIPE MOVEMENT |
| Event | 21 | Post-Job Safety Meeting (Pre Rig-Down) | 2/5/2018 | 06:10:00 | USER | | | | | |
| Event | 22 | Rig Down Lines | 2/5/2018 | 06:50:00 | USER | | | | | |
| Event | 23 | Crew Leave Location | 2/5/2018 | 08:00:00 | USER | | | | | THANK YOU FOR USING HALLIBURTON CEMENT, JAMES LEIST AND CREW |

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

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