

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS

For: Terra

Date: Monday, August 28, 2017

GM 33-10 Surface PJR

API#: 05-045-22700-00

Sincerely,

Grand Junction Cement Engineering

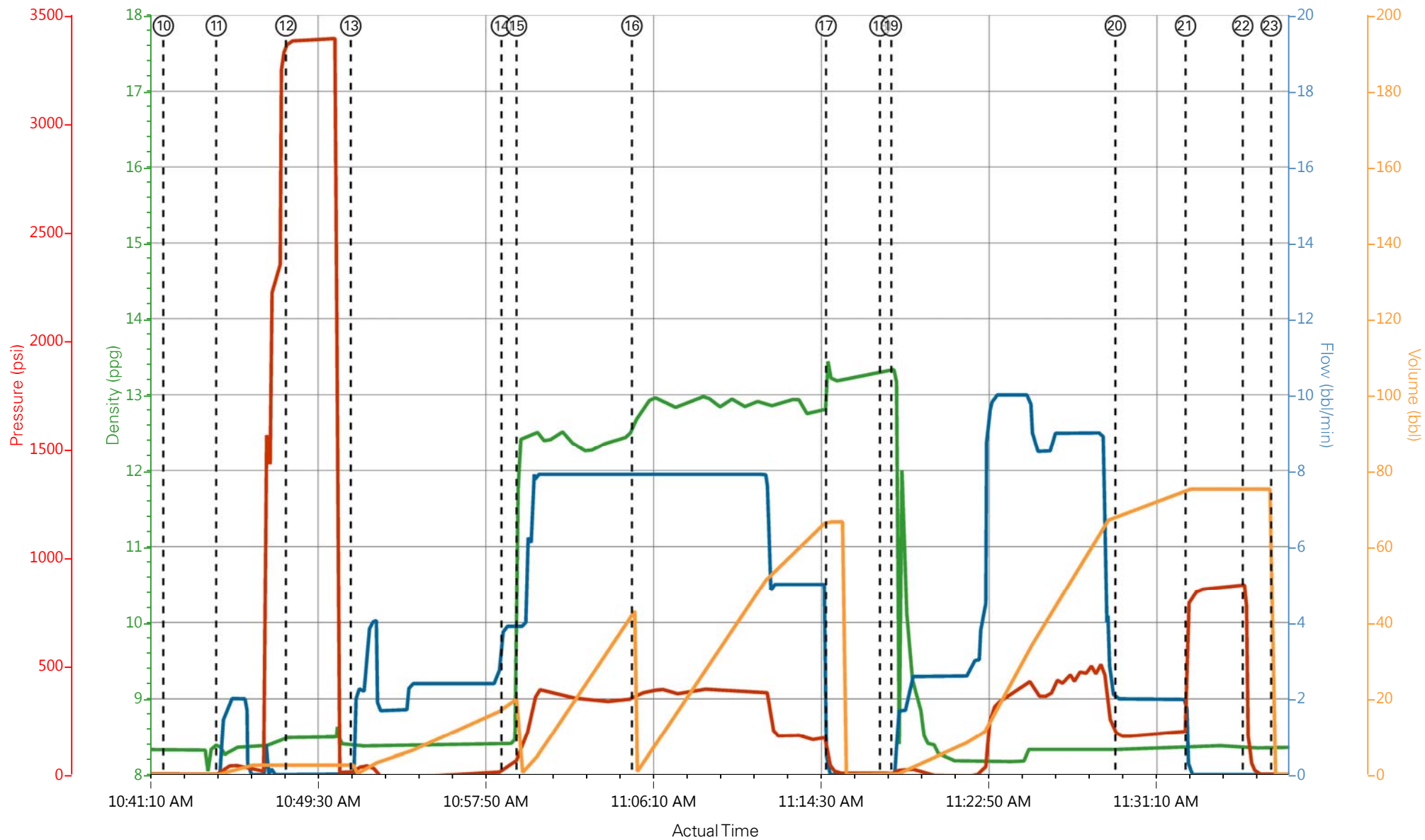
2.0 Real-Time Job Summary

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 | 8/29/2017 | 03:00:00 | USER | | | | | ON LOCATION 9:00, CREW WAITING IN FIELD |
| Event | 2 | Pre-Convoy Safety Meeting | 8/29/2017 | 06:45:00 | USER | | | | | ALL HES PRESENT |
| Event | 3 | Crew Leave Location | 8/29/2017 | 07:00:00 | USER | | | | | |
| Event | 4 | Arrive At Loc | 8/29/2017 | 07:45:00 | USER | | | | | RIG HAD NOT STARTED CASING |
| Event | 5 | Assessment Of Location Safety Meeting | 8/29/2017 | 08:00:00 | USER | | | | | MET WITH COMPANY REP DISCUSSED PROCEDURES. SDS OFFERED |
| Event | 6 | Pre-Rig Up Safety Meeting | 8/29/2017 | 09:11:48 | USER | | | | | ALL HES PRESENT |
| Event | 7 | Rig-Up Completed | 8/29/2017 | 09:45:00 | USER | | | | | 1-ELITE, 1-660 BULK TRAILER, 9.625" QUICK LATCH, 2" PUMP IRON, 4" SUCTION HOSE |
| Event | 8 | Pre-Job Safety Meeting | 8/29/2017 | 10:25:00 | USER | | | | | ALL HES AND RIG CREW PRESENT |
| Event | 9 | Other | 8/29/2017 | 10:30:00 | USER | | | | | WATER: TEMP-68, CL-0, PH-7. RIG CIRCULATED 2 BOTTOMS UP AT 400 GPM, 160 PSI. |
| Event | 10 | Start Job | 8/29/2017 | 10:42:00 | COM5 | 8.33 | 0.00 | 4.00 | 0.0 | TD-1015', TP-1013.6', SJ-45.57', OH-13.5", MUD-9.1PPG, CSG-9.625" 32.3# |
| Event | 11 | Prime Pumps | 8/29/2017 | 10:44:37 | COM5 | 8.39 | 2.00 | 42.00 | 3.0 | FRESH WATER |

| | | | | | | | | | | |
|-------|----|-----------------------------|-----------|----------|------|-------|-------|---------|------|---|
| Event | 12 | Test Lines | 8/29/2017 | 10:48:05 | COM5 | 8.49 | 0.00 | 3377.00 | 3.0 | ALL PRESSURE HELD ON LINES |
| Event | 13 | Pump Spacer 1 | 8/29/2017 | 10:51:18 | COM5 | 8.40 | 4.00 | 52.00 | 20.0 | FRESH WATER |
| Event | 14 | Check weight | 8/29/2017 | 10:58:47 | COM5 | | | | | WEIGHT VERIFIED BY PRESSURIZED MUD SCALES |
| Event | 15 | Pump Lead Cement | 8/29/2017 | 10:59:32 | COM5 | 12.30 | 8.00 | 357.00 | 42.4 | VARICEM LEAD 100 SKS, 12.3PPG, 2.38CF/SK, 13.77GAL/SK |
| Event | 16 | Pump Tail Cement | 8/29/2017 | 11:05:16 | COM5 | 12.80 | 8.00 | 392.00 | 65.7 | VARICEM TAIL 175 SKS, 12.8 PPG, 2.11 CF/SK, 11.78 GAL/SK |
| Event | 17 | Shutdown | 8/29/2017 | 11:14:55 | USER | | | | | END OF CEMENT |
| Event | 18 | Drop Top Plug | 8/29/2017 | 11:17:35 | USER | | | | | PLUG AWAY, WASHED UP ON TOP OF PLUG |
| Event | 19 | Pump Displacement | 8/29/2017 | 11:18:09 | COM5 | 8.33 | 10.00 | 515.00 | 77.2 | FRESH WATER |
| Event | 20 | Slow Rate | 8/29/2017 | 11:29:17 | USER | 8.33 | 2.00 | 182.00 | 67.0 | SLOW RATE LAST 10 BBLS |
| Event | 21 | Bump Plug | 8/29/2017 | 11:32:46 | COM5 | 8.36 | 2.00 | 515.00 | 77.2 | PLUG BUMPED 201 PSI |
| Event | 22 | Check Floats | 8/29/2017 | 11:35:37 | USER | 8.38 | 0.00 | 873.00 | 77.2 | FLOATS HELD 1/2 BBL BACK |
| Event | 23 | End Job | 8/29/2017 | 11:37:02 | COM5 | 8.36 | 0.00 | 0.00 | 0.0 | GOOD RETURNS THROUGH OUT JOB, 32 BBLS CEMENT TO SURFACE |
| Event | 24 | Pre-Rig Down Safety Meeting | 8/29/2017 | 11:42:00 | USER | | | | | ALL HES PRESENT |
| Event | 25 | Rig-Down Completed | 8/29/2017 | 12:15:00 | USER | | | | | |
| Event | 26 | Pre-Convoy Safety Meeting | 8/29/2017 | 12:35:00 | USER | | | | | ALL HES PRESENT |
| Event | 27 | Crew Leave Location | 8/29/2017 | 12:40:00 | USER | | | | | THANK YOU FOR CHOOSING HALLIBURTON, ANDREW BRENNECKE AND CREW |

TEP - GM 33-10 - 9.625" SURFACE



- ① Call Out
- ② Pre-Convoy Safety Meeting
- ③ Crew Leave Location
- ④ Arrive At Loc
- ⑤ Assessment Of Location Safety Meeting
- ⑥ Pre-Rig Up Safety Meeting
- ⑦ Rig-Up Completed
- ⑧ Pre-Job Safety Meeting
- ⑨ Other
- ⑩ Start Job
- ⑪ Prime Pumps
- ⑫ Test Lines
- ⑬ Pump Spacer 1
- ⑭ Check weight
- ⑮ Pump Lead Cen
- ⑯ Pump Tail Ceme

HALLIBURTON | iCem® Service

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Edit

Customer : TERRA ENERGY PARTNERS

Job Date : 8/29/2017 9:44:43 AM

Well : GM 33-10

Representative : ADAM ABFALL

Sales Order # : 904265587

ELITE 1 : A.BRENNECKE/D.BRENNECKE

TEP - GM 33-10 - 9.625" SURFACE

