

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS

Date: Friday, April 06, 2018

Federal PA 333-26

API #

TEP Federal PA 333-26 Surface

Job Date: Thursday, April 05, 2018

Sincerely,

Grand Junction Cement Engineering

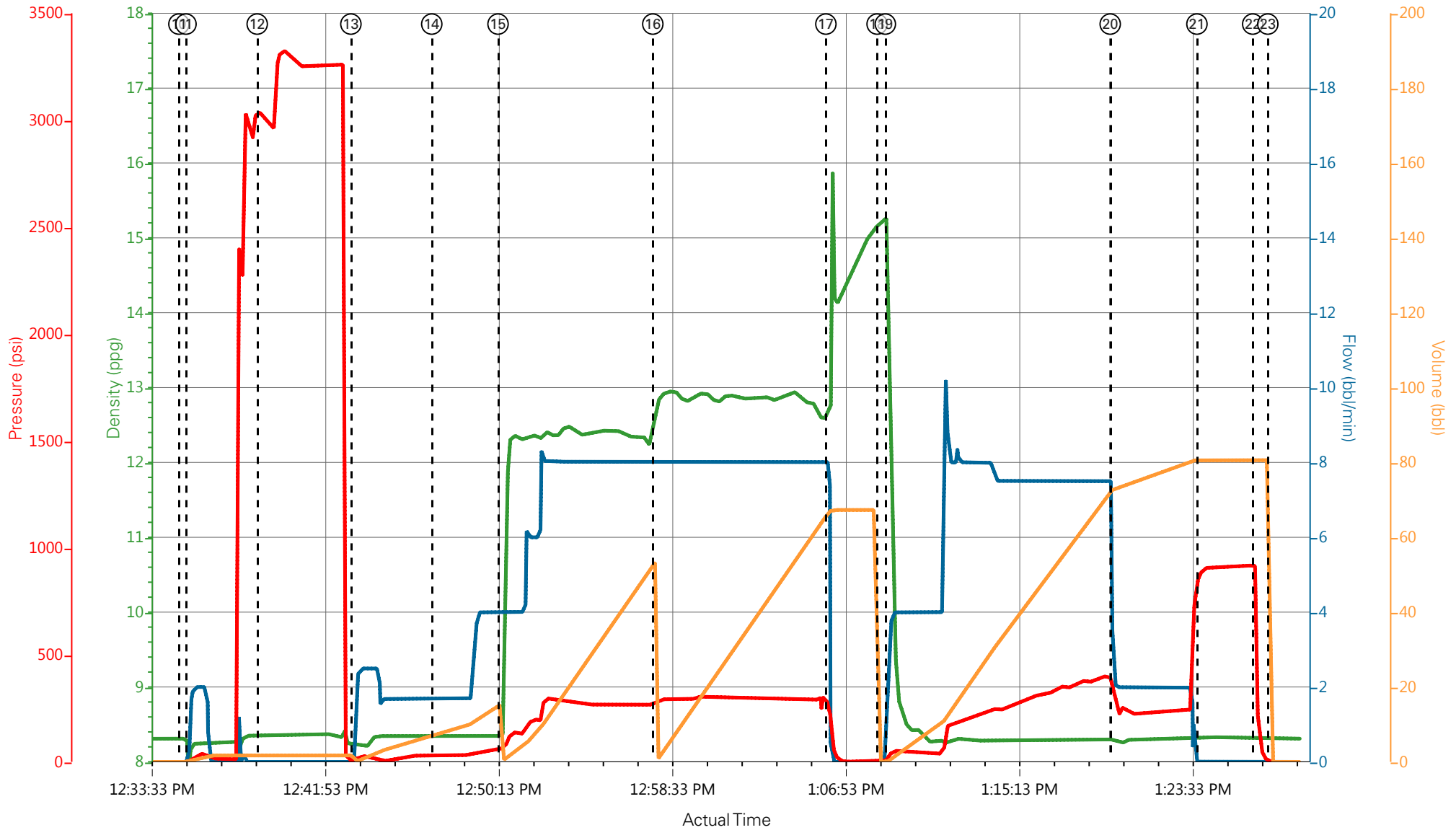
1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	Downhole Density <i>(ppg)</i>	Combined Pump Rate <i>(bbl/min)</i>	Pass-Side Pump Pressure <i>(psi)</i>	Pump Stage Total <i>(bbl)</i>	Comments
Event	1	Call Out	4/4/2018	10:00:00	USER					ON LOCATION 16:00
Event	2	Pre-Convoy Safety Meeting	4/4/2018	12:00:00	USER					JOURNEY CREATED - ALL HES INCLUDED IN SAFETY MEETING
Event	3	Crew Leave Yard	4/4/2018	12:30:00	USER					1-F-550 PICKUP, 1-ELITE PUMP TRUCK, 1-660 BULK TRUCK
Event	4	Arrive At Loc	4/4/2018	15:30:00	USER					HES ARRIVED 30MINS EARLY
Event	5	Assessment Of Location Safety Meeting	4/4/2018	15:45:00	USER					RIG WAS HAVING TOP DRIVE PROBLEMS
Event	6	Pre-Rig Up Safety Meeting	4/5/2018	10:45:00	USER					JSA CREATED - ALL HES INVOLVED IN SAFETY MEETING
Event	7	Rig-Up Equipment	4/5/2018	11:00:00	USER					RIG-UP IRON TO THE STAND PIPE, WATER HOSES TO RIG DAY TANK AND BULK TRUCK TO PUMP TRUCK
Event	8	Well Info/Water Test	4/5/2018	12:00:00	USER					TD: 1107FT TP: 1101FT SJ: 49.56FT OH: 13 1/2" CSG: 9.625 36# J-55 MUD WT: 9.9
Event	9	Rig-Up Completed	4/5/2018	12:30:00	USER					COMPLETED SAFELY
Event	10	Start Job	4/5/2018	12:35:01	COM5					START JOB
Event	11	Fill Lines	4/5/2018	12:35:21	USER	8.34	2	41	5	FILL LINES WITH 5BBLs OF FRESH WATER TO PRESSURE TEST
Event	12	Test Lines	4/5/2018	12:38:46	COM5			3276		PRESSURE TEST LINES TO 3276PSI - PRESSURE TEST GOOD
Event	13	Fresh Water Spacer	4/5/2018	12:43:16	COM5	8.34	4	78	15	15BBL FRESH WATER SPACER AHEAD PUMPED AT 4BPM PRESSURE WAS 78PSI

Event	14	Check weight	4/5/2018	12:47:09	COM5					VERIFIED WEIGHT OF FIRST TUB OF CEMENT VIA PRESSURIZED MUD SCALES
Event	15	Pump Lead Cement	4/5/2018	12:50:20	COM5	12.3	8	295	52.9	175SKS OF VARICEM CEMENT (52.9BBL) 12.3PPG 2.38YIELD 13.77GAL/SK WEIGHT OF CEMENT VERIFIED VIA PRESSURIZED MUD SCALES THROUGHOUT LEAD CEMENT
Event	16	Pump Tail Cement	4/5/2018	12:57:46	COM5	12.8	8	305	65.7	125SKS OF VARICEM CEMENT (65.7BBL) 12.8PPG 2.11YIELD 11.77GAL/SK WEIGHT OF CEMENT VERIFIED VIA PRESSURIZED MUD SCALES THROUGHOUT TAIL CEMENT
Event	17	Shutdown	4/5/2018	13:06:05	USER	12.8			65.7	SHUTDOWN END OF CEMENT - HES WASHED UP ON TOP OF THE PLUG - READY TANKS FOR DISPLACEMENT
Event	18	Drop Top Plug	4/5/2018	13:08:33	USER					TOP PLUG LAUNCHED NO PROBLEMS
Event	19	Pump Displacement	4/5/2018	13:08:56	COM5	8.34	7.5	400	71.7	FRESH WATER DISPLACEMENT
Event	20	Slow Rate	4/5/2018	13:19:44	USER	8.34	2	230	10	SLOW RATE TO BUMP THE PLUG - PRESSURE PRIOR TO SLOWING WAS 400 PSI AT 7.5BPM - PRESSURE AFTER SLOWING WAS 230 PSI AT 2BPM
Event	21	Bump Plug	4/5/2018	13:23:54	COM5	8.34	2	250	81.7	BUMPED PLUG AT CALCULATED DISPLACEMENT
Event	22	Check Floats	4/5/2018	13:26:35	USER			916		FLOATS HELD 1/4BBL BACK TO TANKS - 20BBL OF CEMENT TO SURFACE - RIG USED 40 POUNDS OF SUGAR
Event	23	End Job	4/5/2018	13:27:19	COM5					THANK YOU FOR CHOOSING HALLIBURTON CEMENT CARL KUKUS AND CREW
Event	24	Pre-Rig Down Safety Meeting	4/5/2018	13:30:00	USER					JSA REVIEWED - ALL HES INVOLVED IN SAFETY MEETING
Event	25	Rig-Down Equipment	4/5/2018	13:35:00	USER					WASH UP AND BLOW DOWN PUMP TRUCK - RIG DOWN ALL LINES AND EQUIPMENT
Event	26	Rig-Down Completed	4/5/2018	14:35:00	USER					COMPLETED SAFETLY
Event	27	Pre-Convoy Safety Meeting	4/5/2018	14:40:00	USER					JOURNEY CREATED - ALL HES INVOLVED IN SAFETY MEETING
Event	28	Crew Leave Location	4/5/2018	14:45:00	USER					1-F-550 PICKUP, 1-ELITE PUMP TRUCK, 1-660 BULK TRUCK

TEP - FEDERAL PA 333-26 - 904760802 - 9 5/8" SURFACE

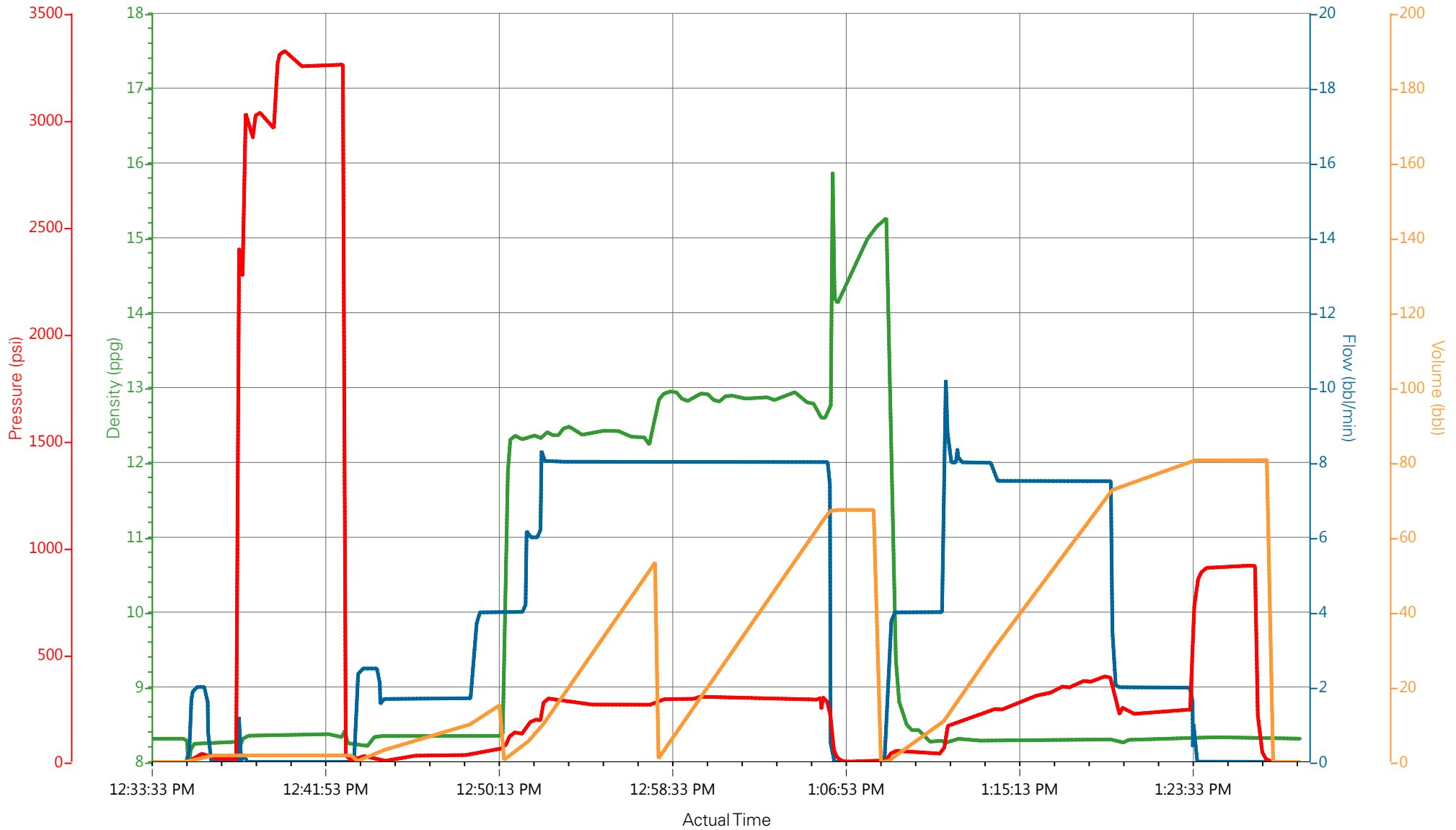


DH Density (ppg) Comb Pump Rate (bbl/min) PS Pump Press (psi) Pump Stg Tot (bbl)

- ① Call Out ③ Crew Leave Yard ⑤ Assessment Of Location Safety Meeting ⑦ Rig-Up Equipment ⑨ Rig-Up Completed ⑪ Fill Lines ⑬ Fresh Water Spacer ⑮ Pump Lead Ce
- ② Pre-Convoy Safety Meeting ④ Arrive At Loc ⑥ Pre-Rig Up Safety Meeting ⑧ Well Info/Water Test ⑩ Start Job ⑫ Test Lines ⑭ Check weight ⑯ Pump Tail Cem



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