

HALLIBURTON

iCem[®] Service

Terra Energy Partners

For: Terra

Date: Friday, July 07, 2017

SR 41-12 Surface PJR

API# 05-045-23294-00

Sincerely,

Grand Junction Cement Engineering

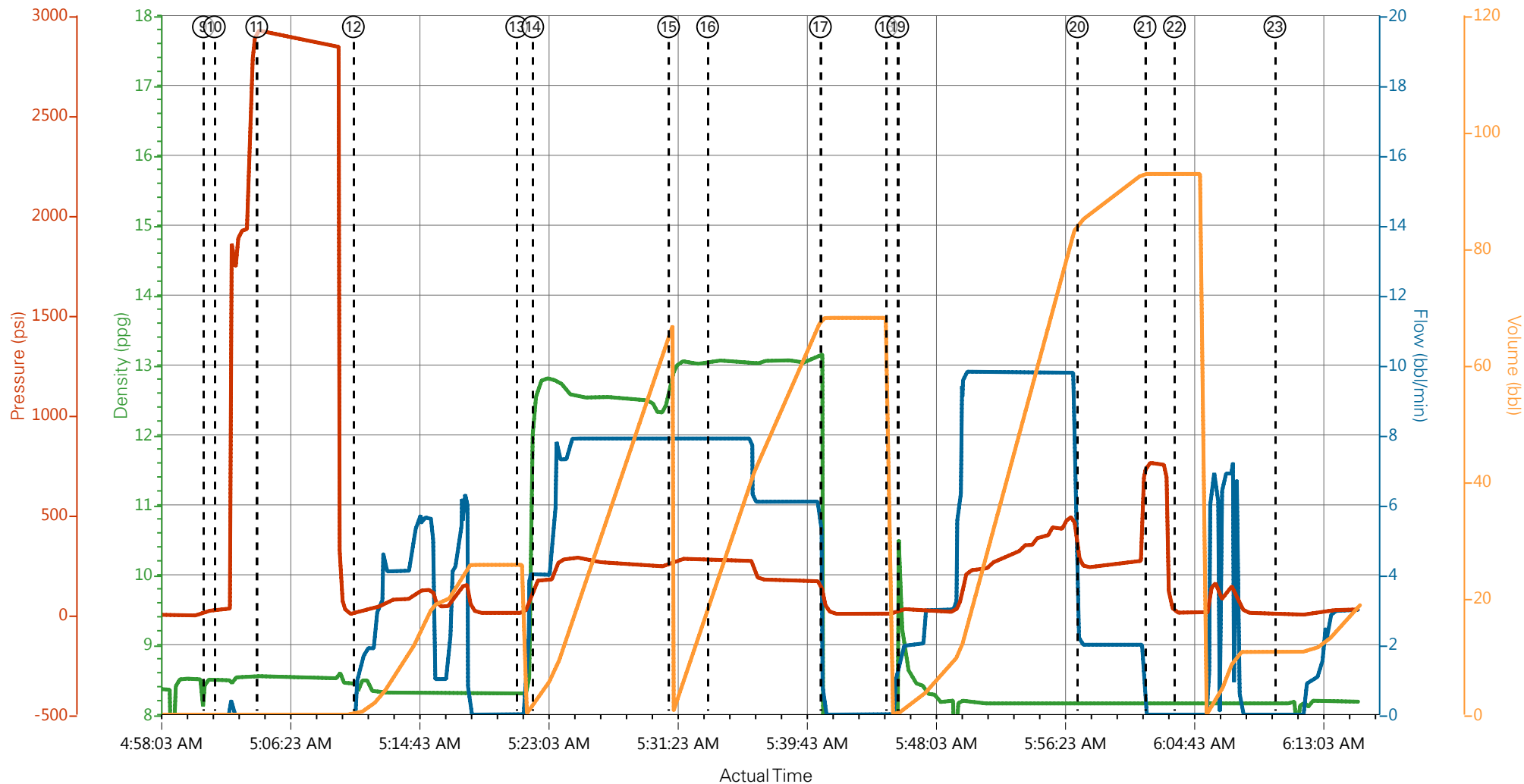
1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	Pass-Side Pump Pressure (psi)	Downhole Density (ppg)	Combined Pump Rate (bbl/min)	Pump Stage Total (bbl)	Comments
Event	1	Call Out	7/6/2017	05:24:31	USER					REQUESTED ON LOCATION @ 2300
Event	2	Pre-Convoy Safety Meeting	7/6/2017	05:24:42	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	7/6/2017	05:25:06	USER					1 F550, 1 PUMP TRUCK & 1 660 BULK TRUCK
Event	4	Arrive At Loc	7/6/2017	05:25:16	USER					RIG DRILLING
Event	5	Assessment Of Location Safety Meeting	7/6/2017	05:25:24	USER					MET WITH COMP REP, B.OAKS, AND WENT OVER NUMBERS AND JOB PROCEDURE. WALKED AROUND LOCATION AND COLLECTED WATER SAMPLE (PH- 7, CHLORIDES- 0, TEMP- 57F). COMP REP WAS OFFERED SDS FOR ALL CHEMICLES USED BY HES.
Event	6	Pre-Rig Up Safety Meeting	7/6/2017	05:25:43	USER					ALL HES PRESENT
Event	7	Rig-Up Equipment	7/6/2017	05:25:53	USER					HES RIGGED UP EQUIPMENT WITHOUT ENTERING RED ZONE.
Event	8	Pre-Job Safety Meeting	7/7/2017	04:25:00	USER					ALL HES AND RIG CREW PRESENT
Event	9	Start Job	7/7/2017	05:01:00	USER					TD 1202', TP 1201.1', SJ 45.3', OH 13.5'', CSG 9.625" 32.3#, MUD 9.3 PPG. RIG CIRCULATED WELL FOR APPROX 1 HRS.
Event	10	Prime Pumps	7/7/2017	05:01:42	USER	23.00	8.41	1.00	1.0	8.33 PPG FRESH WATER
Event	11	Test Lines	7/7/2017	05:04:26	COM6	2929.00	8.35	0..50	0.5	ALL LINES HELD PRESSURE AT 2929 PSI
Event	12	Pump Spacer 1	7/7/2017	05:10:40	COM6	125.00	8.39	4.00	20.1	8.33 PPG FRESH WATER (20BBL)

Event	13	Check weight	7/7/2017	05:21:13	COM6					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	14	Pump Lead Cement	7/7/2017	05:22:15	COM6	167.00	12.38	8.00	62.3	VARICEM CEMENT 145 (62 BBLS), 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK
Event	15	Pump Tail Cement	7/7/2017	05:31:01	COM6	263.00	12.82	7.90	66.7	VARICEM CEMENT 175 SKS (65.8 BBLS), 12.8 PPG, 2.11 FT3/SK, 11.78 GAL/SK.
Event	16	Check weight	7/7/2017	05:33:32	COM6					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	17	Shutdown	7/7/2017	05:40:49	USER					END OF CEMENT
Event	18	Drop Plug	7/7/2017	05:45:04	USER					WASH UP PUMPS AND LINES ON TOP OF PLUG
Event	19	Pump Displacement	7/7/2017	05:45:48	COM6	477.00	8.30	10.00	80.6	8.34 PPG FRESH WATER (91 BBLS)
Event	20	Slow Rate	7/7/2017	05:57:24	USER	268.00	8.36	2.00	10.4	SLOW RATE TO 2 BPM PER CO REP TO LAND PLUG
Event	21	Bump Plug	7/7/2017	06:01:46	USER	759.00	8.38	2.00	91.0	LAND PLUG AT 268 PSI, BROUGHT UP TO 760 PSI
Event	22	End Job	7/7/2017	06:03:39	USER					RETURNS THROUGHOUT JOB, JOB WAS PUMPED OFF LINE, 8 BBL OF CEMENT BACK TO SURFACE
Event	23	Safety Meeting - Pre Rig-Down	7/7/2017	06:10:09	USER					ALL HES PRESENT
Event	24	Rig-Down Equipment	7/7/2017	06:30:00	USER					CREW RIG DOWN EQUIPMENT
Event	25	Pre-Convoy Safety Meeting	7/7/2017	07:10:11	USER					ALL HES PRESENT
Event	26	Crew Leave Location	7/7/2017	07:16:31	USER					CREW LEAVE LOCATION

TEP - SR 41-12 - 9.625" SURFACE



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

① Call Out n/a;n/a;n/a;n/a	⑧ Pre-Job Safety Meeting 8.39;0;-4;0	⑮ Pump Tail Cement 12.82;7.9;263;66.7	22 End Job 8.16;0;10;92.8
② Pre-Convoy Safety Meeting n/a;n/a;n/a;n/a	⑨ Start Job 8.49;0;16;0	⑯ Check weight 13.03;7.9;279;19.9	23 Safety Meeting - Pre Rig-Down 8.16;0;5;10.8
③ Crew Leave Yard n/a;n/a;n/a;n/a	⑩ Prime Pumps 8.51;0;23;0	⑰ Shutdown 1.45;0;68;68.1	24 Rig-Down Equipment n/a;n/a;n/a;n/a
④ Arrive At Loc n/a;n/a;n/a;n/a	⑪ Test Lines 8.55;0;2929;0	⑱ Drop Plug -0.14;0;5;0	25 Pre-Convoy Safety Meeting n/a;n/a;n/a;n/a
⑤ Assessment Of Location Safety Meeting n/a;n/a;n/a;n/a	⑫ Pump Spacer 1 8.39;1;6;0.1	⑲ Pump Displacement 9.4;2;29;0.6	26 Crew Leave Location n/a;n/a;n/a;n/a
⑥ Pre-Rig Up Safety Meeting n/a;n/a;n/a;n/a	⑬ Check weight 8.3;0;10;25.7	20 Slow Rate 8.16;2;258;84.7	
⑦ Rig-Up Equipment n/a;n/a;n/a;n/a	⑭ Pump Lead Cement 12.58;4;167;2.3	21 Bump Plug 8.18;0;759;92.8	

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Edit

Customer: TERRA ENERGY LTD.
Representative: B.OAKS

Job Date: 7/6/2017
Sales Order #: 904149818

Well: SR 41-12
ELITE 4: C.SMITH/ S.LEWIS

TEP - SR 41-12 - 9.625" SURFACE

