

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS

For: Lynn Cass & Abe Alexander

Date: Tuesday, February 07, 2017

TR 334-21-597 Surface PJR

API# 05-045-23349-00

Sincerely,

Grand Junction Cement Engineering

1.0 Real-Time Job Summary

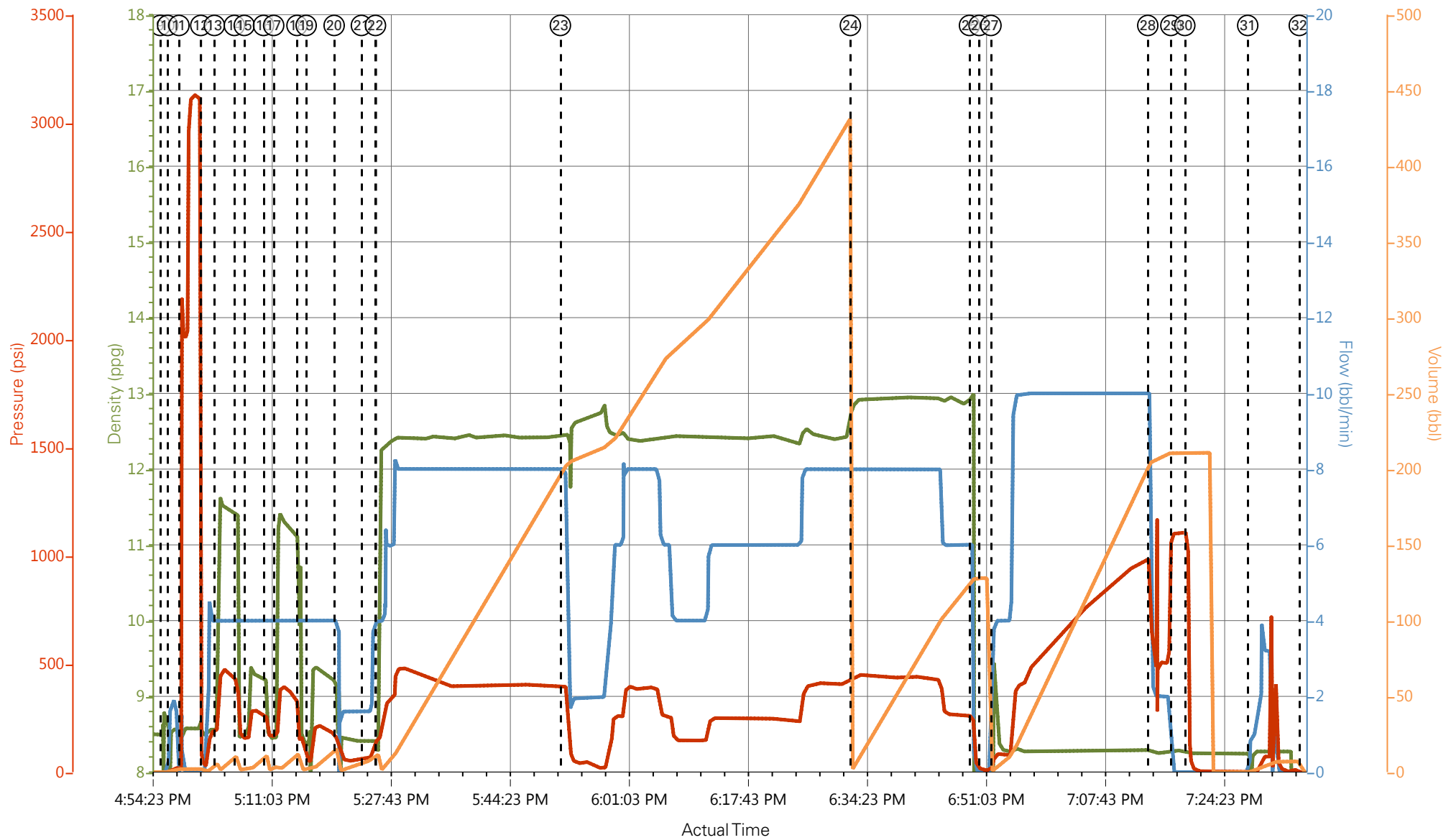
1.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	2/7/2017	01:00:00	USER					REQUESTED ON LOCATION AT 10:00 2/7/17
Event	2	Pre-Convoy Safety Meeting	2/7/2017	03:15:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	2/7/2017	03:30:00	USER					1- 550 PU, 1- ELITE PUMP, 1- SF TRANSPORT AND 1- COMPRESSOR TRACTOR
Event	4	Arrive At Loc	2/7/2017	08:00:00	USER					ALL TRUCKS ARRIVED TOGETHER
Event	5	Assessment Of Location Safety Meeting	2/7/2017	08:15:00	USER					MET WITH CO REP TO GO OVER NUMBERS AND JOB PROCEDURE. DID A WALK AROUND OF LOCATION AND COLLECTED WATER SAMPLE (PH-7, CHL-0, TEMP 61 & 84F) CASING CREW WAS GETTING READY TO RUN CASING
Event	6	Pre-Rig Up Safety Meeting	2/7/2017	12:15:00	USER					COMPLETED JSA AND PULLED TRUCKS ON LOCATION. ALL HES PRESENT
Event	7	Rig-Up Equipment	2/7/2017	12:30:00	USER					RIGGED UP WHAT WE COULD STAYING OUT OF THE RED ZONE. COMPLETED RIG UP WHEN CASING CREW WAS DONE
Event	8	Pre-Job Safety Meeting	2/7/2017	16:15:00	USER					MET WITH RIG CREW TO GO OVER JOB. ALL HES PRESENT
Event	9	Start Job	2/7/2017	16:55:52	COM5					TD 2814' TP 2817.6', SJ 27.8', CSG 9.625" J-55 36# 1874.97', 40# 942.63', OH 14.75", MW 8.8 VIS 55 YP 15. TOT 1736', LEAD TO SURFACE (194 BBLS) RIG CIRCULATED FOR ABOUT AN HOUR AT VARIOUS RATES BETWEEN .5 BBLS/MIN AND 7 BBLS/MIN. TOP PRESSURE ABOUT 350 PSI

Event	10	Prime Pumps	2/7/2017	16:56:55	COM5	8.33	2	28	2	PRIME LINES FRESH WATER
Event	11	Test Lines	2/7/2017	16:58:30	COM5			3154		TESTED TO 3154 PSI. TESTED GOOD AND KO'S FUNCTIONING
Event	12	H2O Spacer	2/7/2017	17:01:33	COM5	8.33	4	450	5	5 BBLS FRESH WATER
Event	13	Superflush	2/7/2017	17:03:27	COM5	11.5	4	450	10	10 BBLS SUPERFLUSH
Event	14	H2O Spacer	2/7/2017	17:06:15	COM5	8.33	4	450	5	5 BBLS FRESH WATER
Event	15	Cal Chl Spacer	2/7/2017	17:07:38	COM5	8.4	4	450	10	10 BBLS CALCIUM CHLORIDE WATER
Event	16	H2O Spacer	2/7/2017	17:10:20	COM5	8.33	4	450	5	5 BBLS FRESH WATER
Event	17	Superflush	2/7/2017	17:11:45	COM5	11.5	4	450	10	10 BBLS SUPERFLUSH
Event	18	H2O Spacer	2/7/2017	17:15:01	COM5	8.33	4	450	5	5 BBLS FRESH WATER
Event	19	Cal Chl Spacer	2/7/2017	17:16:18	COM5	8.4	4	450	10	10 BBLS CALCIUM CHLORIDE WATER
Event	20	H2O Spacer	2/7/2017	17:20:13	COM5	8.33	4	450	10	10 BBLS FRESH WATER
Event	21	Check weight	2/7/2017	17:24:02	COM5	12.3				12.3 PPG
Event	22	Pump Lead Cement	2/7/2017	17:26:00	COM5	12.3	8	410	405	955 SKS (405 BBLS) 12.3 PPG, 2.38 FT3/SK, 13.76 GAL/SK WITH TUF FIBER
Event	23	Other	2/7/2017	17:51:53	USER					HAD TO CHANGE RATES DUE TO CELLAR PUMP NOT KEEPING UP. ONCE THEY GOT IT LINED OUT WE BROUGHT OUR RATE BACK UP
Event	24	Pump Tail Cement	2/7/2017	18:32:29	COM5	12.8	8	450	130	345 SKS (130 BBLS) 12.8 PPG, 2.11 FT3/SK, 11.78 GAL/SK
Event	25	Shutdown	2/7/2017	18:49:10	USER					END OF CEMENT
Event	26	Drop Plug	2/7/2017	18:50:30	USER					PLUG WENT. WITNESSED BY CO REP
Event	27	Pump Displacement	2/7/2017	18:52:10	COM5	8.33	10	1000	214.2	214.2 BBLS FRESH WATER
Event	28	Slow Rate	2/7/2017	19:14:07	USER	8.33	2	500	204	SLOWED TO 2 BBLS/MIN TO LAND THE PLUG
Event	29	Bump Plug	2/7/2017	19:17:21	COM5	8.33	2	500	214.2	LANDED AT 500 PSI AND WENT TO 1090 PSI

Event	30	Check Floats	2/7/2017	19:19:18	USER	8.33		1090		FLOATS HELD. 1 BBL FLOWBACK TO TRUCK
Event	31	Clean Lines	2/7/2017	19:28:07	COM5	8.33	3	600	6	PUMPED 6 BBLS SUGAR WATER THROUGH PARASITE. OPENED UP AT 600 PSI AND CIRCULATED AT 300 PSI
Event	32	End Job	2/7/2017	19:35:20	COM5					GOOD RETURNS DURING CEMENT THEN LOST THEM AT THE END OF TAIL. NO RETURNS THROUGHOUT DISPLACEMENT
Event	33	Pre-Rig Down Safety Meeting	2/7/2017	19:45:00	USER					ALL HES PRESENT
Event	34	Rig Down Lines	2/7/2017	20:00:00	USER					
Event	35	Pre-Convoy Safety Meeting	2/7/2017	21:15:00	USER					ALL HES PRESENT
Event	36	Crew Leave Location	2/7/2017	21:30:00	USER					THANK YOU FOR USING HALLIBURTON CEMENT. CLIFF SPARKS AND CREW

TEP CHEVRON TR 334-21-597 9.625" SURFACE



DH Density (ppg) 8.29 Comb Pump Rate (bbl/min) 6.1 PS Pump Press (psi) 361 Pump Stg Tot (bbl) 20.8

⑨ Start Job ⑪ Test Lines ⑬ Superflush ⑮ Cal Chl Spacer ⑰ Superflush ⑲ Cal Chl Spacer 21 Check weight 23 Other 25 Shutdown 27 Pump Displacement
 eting ⑩ Prime Pumps ⑫ H2O Spacer ⑭ H2O Spacer ⑯ H2O Spacer ⑱ H2O Spacer 20 H2O Spacer 22 Pump Lead Cement 24 Pump Tail Cement 26 Drop Plug 28 Slow Rate

▼ **HALLIBURTON** | iCem® Service

Created: 2017-02-07 09:53:23, Version: 4.2.393

Edit

Customer : TERRA ENERGY PARTNERS

Job Date : 2/7/2017 3:25:41 PM

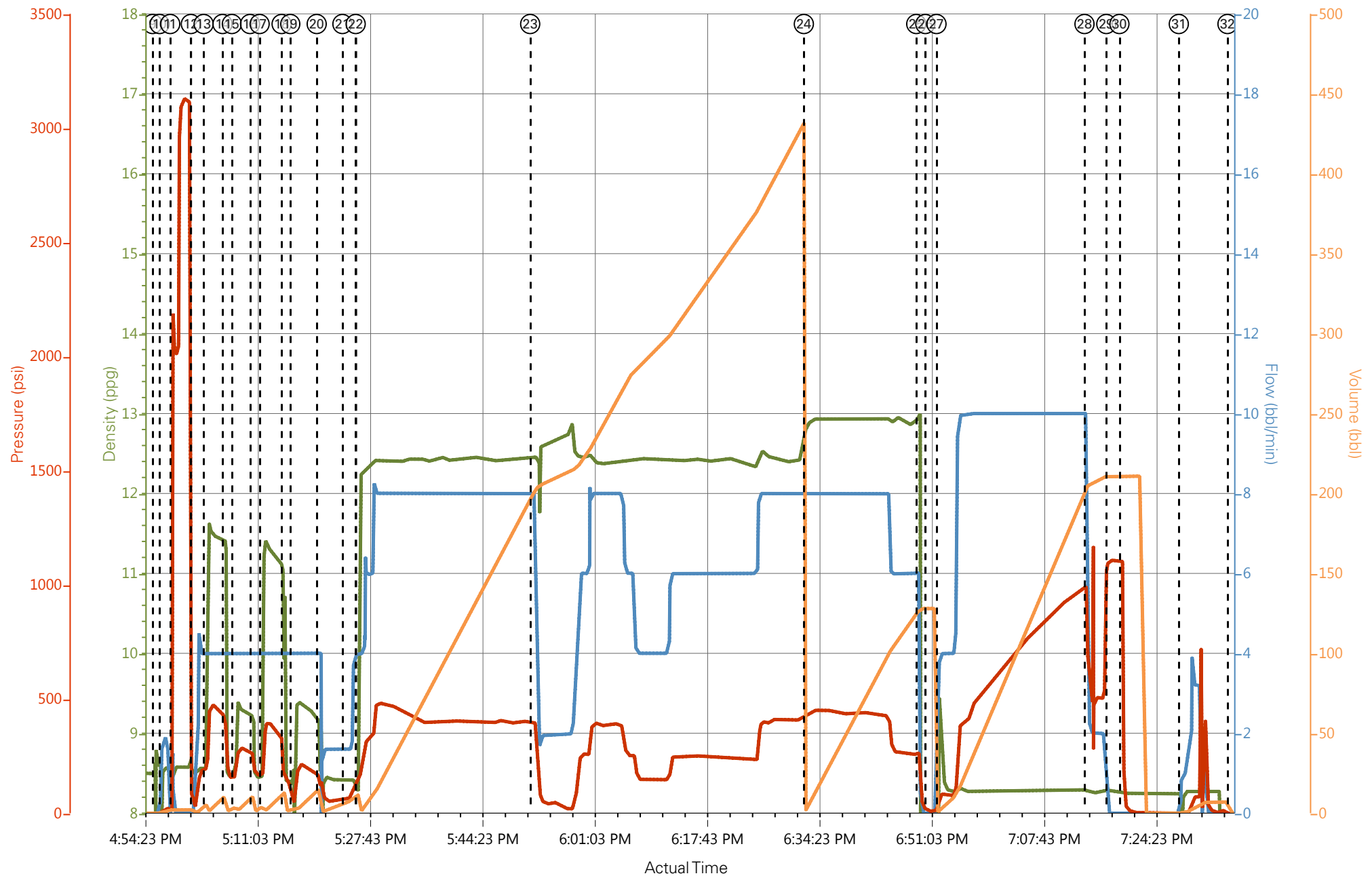
Well : TR 334-21-597

Representative : GARRETT WADE

Sales Order # : 903827276

ELITE - 1 : CLIFF SPARKS /TRAVIS BROWN

TEP CHEVRON TR 334-21-597 9.625" SURFACE



DH Density (ppg) 8.29 Comb Pump Rate (bbl/min) 6.1 PS Pump Press (psi) 361 Pump Stg Tot (bbl) 20.8