

# HALLIBURTON

iCem<sup>®</sup> Service

## **TERRA ENERGY PARTNERS**

**For: TEP**

Date: Monday, November 26, 2018

**NR 334-3 Surface PJR**

API #: 05-045-23909

Sincerely,

**Grand Junction Cement Engineering**

## 1.0 Real-Time Job Summary

## 1.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	PS Pump Press (psi)	DH Density (ppg)	Comb Pump Rate (bbl/min)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	11/26/2018	03:00:00	USER					REQUESTED ON LOCATION @ 1000
Event	2	Pre-Convoy Safety Meeting	11/26/2018	06:30:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	11/26/2018	06:45:00	USER					1 F550, 1 PUMP TRUCK & 1 660 BULK TURCK
Event	4	Arrive at Location from Service Center	11/26/2018	08:30:00	USER					RIG PULLING DRILL PIPE
Event	5	Assessment Of Location Safety Meeting	11/26/2018	08:40:00	USER					MET WITH COMP REP AND WENT OVER NUMBERS AND JOB PROCEDURE. WALKED AROUND LOCATION AND COLLECTED WATER SAMPLE (PH- 7, CHLORIDES- 0, TEMP- 71F). COMP REP WAS OFFERED SDS FOR ALL CHEMICLES USED BY HES.
Event	6	Pre-Rig Up Safety Meeting	11/26/2018	08:50:00	USER					ALL HES PRESENT
Event	7	Rig-Up Completed	11/26/2018	09:30:00	USER					HES RIGGED UP EQUIPMENT WITHOUT ENTERING RED ZONE.
Event	8	Pre-Job Safety Meeting	11/26/2018	13:45:00	USER					ALL HES AND RIG CREW PRESENT
Event	9	Start Job	11/26/2018	14:17:00	COM6					TD 1118', TP 1108', SJ 42.5', OH 13.5'', CSG 9.625'' 36#, MUD 9.9 PPG. RIG CIRCULATED WELL FOR APPROX 1 HRS.
Event	10	Prime Pumps	11/26/2018	14:18:29	USER	100.00	8.33	1.00	2.00	8.33 PPG FRESH WATER
Event	11	Test Lines	11/26/2018	14:24:16	COM6	3190.00	8.33	0.5	0.5	ALL LINES HELD PRESSURE AT 3190 PSI
Event	12	Pump Spacer 1	11/26/2018	14:29:35	COM6	130.00	8.33	4.00	20.00	8.33 PPG FRESH WATER (20 BBL)
Event	13	Check Weight	11/26/2018	14:30:34	COM6					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	14	Pump Lead Cement	11/26/2018	14:34:50	COM6	580.00	12.30	8.00	53.00	VARICEM CEMENT 125 SKS (53 BBLs), 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK

Event	15	Check Weight	11/26/2018	14:42:35	COM6					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	16	Pump Tail Cement	11/26/2018	14:42:50	COM6	580.00	12.80	8.00	66.00	VARICEM CEMENT 175 SKS (66 BBLs), 12.8 PPG, 2.11 FT3/SK, 11.78 GAL/SK.
Event	17	Shutdown	11/26/2018	14:53:37	USER					END OF CMT
Event	18	Drop Top Plug	11/26/2018	14:56:18	USER					PLUG WENT, VERIFIED BY CO REP
Event	19	Pump Displacement	11/26/2018	14:56:38	COM6	650.00	8.33	10.00	72.4	8.34 PPG FRESH WATER (82.3 BBLs)
Event	20	Slow Rate	11/26/2018	15:07:31	USER	241.00	8.33	2.00	10.00	SLOW RATE TO 2 BPM CO REP TO LAND PLUG
Event	21	Bump Plug	11/26/2018	15:11:54	COM6	850.00	8.33	2.00	82.40	LAND PLUG AT 250 PSI, BROUGHT UP TO 850 PSI
Event	22	Check Floats	11/26/2018	15:14:30	USER					FLOATS HELD, .5 BBL BACK TO TRUCK
Event	23	End Job	11/26/2018	15:16:12	COM6					RETURNS THROUGHOUT JOB, 22 BBL OF CEMENT BACK TO SURFACE. 40 LBS OF SUGAR USED
Event	24	Post-Job Safety Meeting (Pre Rig-Down)	11/26/2018	15:22:42	USER					ALL HES PRESENT
Event	25	Rig-Down Completed	11/26/2018	16:20:00	USER					ALL HES PRESENT
Event	26	Pre-Convoy Safety Meeting	11/26/2018	16:30:00	USER					ALL HES PRESENT
Event	27	Crew Leave Location	11/26/2018	16:40:00	USER					THANK YOU FOR CHOOSING HALLIBURTON CEMENT, CHRIS SMITH AND CREW

# TEP - NR 334-3 - 9.625" SURFACE

