

# HALLIBURTON

iCem<sup>®</sup> Service

## **TERRA ENERGY PARTNERS**

**For: Terra**

Date: Monday, May 21, 2018

**PA 433-26 Surface PJR**

API #: 05-045-23729

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	5/21/2018	12:30:00	USER					REQUESTED ON LOCATION @ 0400
Event	2	Pre-Convoy Safety Meeting	5/21/2018	15:00:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	5/21/2018	15:15:00	USER					1 F550, 1 PUMP TRUCK & 1 660 BULK TURCK
Event	4	Arrive at Location from Service Center	5/21/2018	16:45:00	USER					RIG RUNNING CASING
Event	5	Assessment Of Location Safety Meeting	5/21/2018	17:00:00	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	5/21/2018	17:05:00	USER					ALL HES PRESENT
Event	7	Rig-Up Completed	5/21/2018	17:40:00	USER					HES RIGGED UP EQUIPMENT WITHOUT ENTERING RED ZONE.
Event	8	Pre-Job Safety Meeting	5/21/2018	19:00:00	USER					ALL HES AND RIG CREW PRESENT
Event	9	Start Job	5/21/2018	19:53:00	COM6					TD 1135', TP 1127.7', SJ 43.21', OH 13.5", CSG 9.625" 36#, MUD 9.5 PPG. RIG CIRCULATED ONE BOTTOMES UP.

Event	10	Prime Pumps	5/21/2018	19:53:49	USER	50.00	8.33	1.00	2.00	8.33 PPG FRESH WATER
Event	11	Test Lines	5/21/2018	19:56:47	COM6	3249.00	8.33	0.50	0.50	ALL LINES HELD PRESSURE AT 3301 PSI
Event	12	Pump Spacer 1	5/21/2018	20:01:16	COM6	20.00	8.33	4.00	20.00	8.33 PPG FRESH WATER (20 BBL)
Event	13	Pump Lead Cement	5/21/2018	20:08:59	COM6	530.00	12.30	8.00	53.00	VARICEM CEMENT 125 SKS (53 BBLS), 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK
Event	14	Pump Tail Cement	5/21/2018	20:17:36	COM6	545.00	12.80	8.00	66.00	VARICEM CEMENT 175 SKS (66 BBLS), 12.8 PPG, 2.11 FT3/SK, 11.78 GAL/SK.
Event	15	Check Weight	5/21/2018	20:19:09	COM6					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	16	Shutdown	5/21/2018	20:25:51	USER					END OF CMT
Event	17	Drop Top Plug	5/21/2018	20:27:44	COM6					WASH UP PUMPS AND LINES ON TOP OF PLUG
Event	18	Pump Displacement	5/21/2018	20:28:16	COM6	740.00	8.33	10.00	73.80	8.34 PPG FRESH WATER (83.8 BBLS)
Event	19	Slow Rate	5/21/2018	20:39:16	USER	277.00	8.37	2.00	10.00	SLOW RATE TO 2 BPM PER CO REP TO LAND PLUG
Event	20	Bump Plug	5/21/2018	20:43:33	USER	290.00	8.38	2.00	83.90	LAND PLUG AT 290 PSI, BROUGHT UP TO 1007 PSI
Event	21	Check Floats	5/21/2018	20:44:20	USER	1014.00	8.39	0.00	83.90	FLOATS HELD, 1 BBL BACK TO TRUCK
Event	22	End Job	5/21/2018	20:45:52	COM6					RETURNS THROUGHOUT JOB, 17 BBL OF CEMENT BACK TO SURFACE
Event	23	Post-Job Safety Meeting (Pre Rig-Down)	5/21/2018	20:54:40	USER					ALL HES PRESENT
Event	24	Rig-Down Completed	5/21/2018	21:25:00	USER					ALL HES PRESENT
Event	25	Pre-Convoy Safety	5/21/2018	21:30:00	USER					ALL HES PRESENT

Meeting						THANK YOU FOR CHOOSING HALLIBURTON CEMENT, CHRIS SMITH AND CREW
Event	26	Crew Leave Location	5/21/2018	21:35:00	USER	

# TEP - PA 433-26 - 9.625" SURFACE

