

# HALLIBURTON

iCem<sup>®</sup> Service

## **TERRA ENERGY PARTNERS**

Date: Friday, August 24, 2018

### **PA 612-26**

Terra PA 612-26 Surface

API # 05-045-23712-00

Job Date: Saturday, July 21, 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	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	7/21/2018	01:00:00	USER					REQUESTED ON LOCATION @ 07:00
Event	2	Depart Yard Safety Meeting	7/21/2018	03:00:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	7/21/2018	03:30:00	USER					1 HT 400 PUMP TRUCK E,4 1 660 BULK TRUCK, 1 550 SERVICE PICKUP
Event	4	Arrive At Loc	7/21/2018	05:00:00	USER					ARRRIVED TO LOCATION 2 HOURS EARLY, RIG STILL DRILLING
Event	5	Assessment Of Location Safety Meeting	7/21/2018	05:15:00	USER					MET WITH COMP REP, WENT OVER NUMBERS AND JOB PROCEDURE. WALKED AROUND LOCATION AND COLLECTED WATER SAMPLE. COMP REP WAS OFFERED SDS FOR ALL CHEMICLES USED BY HES.
Event	6	Spot Equipment	7/21/2018	05:30:00	USER					1 HT 400 PUMP TRUCK E,4 1 660 BULK TRUCK, 1 550 SERVICE PICKUP
Event	7	Pre-Rig Up Safety Meeting	7/21/2018	06:00:00	USER					ALL HES PRESENT
Event	8	Pre-Job Safety Meeting	7/21/2018	13:00:00	USER					ALL HES EMPLOYEES AND RIG CREW PRESENT, RIG CIRCULATED @ 12 BPM WITH 250 PSI THROUGH CRT
Event	9	Start Job	7/21/2018	13:17:45	USER					TD 1128', TP 1118', OH 13 ½", CSG 9 5/8" 36# J-55, FC @ 1076.18', MUD 9.8 PPG
Event	10	Prime Lines	7/21/2018	13:18:11	USER	8.33		85		FRESH WATER VIA 6X5
Event	11	Test Lines	7/21/2018	13:20:59	COM5			3750		PRESSURE HELD
Event	12	Pump H2O Spacer	7/21/2018	13:28:07	COM5	8.33	4.0	100	20	FRESH WATER

Event	13	Pump Lead Cement	7/21/2018	13:34:05	COM5	12.3	8.0	400	53	125 SKS VARICEM CMT 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK.
Event	14	Pump Tail Cement	7/21/2018	13:41:41	COM5	12.8	8.0	360	65.8	175 SKS VARICEM CMT 12.8 PPG, 2.11 FT3/SK, 11.78 GAL/SK
Event	15	Shutdown	7/21/2018	13:50:51	USER					END OF CEMENT
Event	16	Drop Top Plug	7/21/2018	13:53:11	USER					VERIFIED BY FLAG INDICATOR
Event	17	Pump Displacement	7/21/2018	13:53:35	COM5	8.33	10.0	500	73.2	FRESH WATER
Event	18	Slow Rate	7/21/2018	14:06:13	USER	8.33	2.0	240	10	SLOWED TO BUMP PLUG
Event	19	Bump Plug	7/21/2018	14:11:07	COM5	8.33	2.0	260	83.2	PLUG BUMPED
Event	20	Check Floats	7/21/2018	14:14:09	USER			940		FLOATS HELD .5 BBL FLOWED BACK TO TRUCK
Event	21	End Job	7/21/2018	14:14:40	USER					RETURNS THROUGHOUT JOB. 23 BBL CMT TO SURFACE. NO SUGAR FROM HALLIBURTON.
Event	22	Post-Job Safety Meeting (Pre Rig-Down)	7/21/2018	14:30:00	USER					ALL HES PRESENT
Event	23	Pre-Convoy Safety Meeting	7/21/2018	15:15:00	USER					ALL HES PRESENT
Event	24	Depart Location	7/21/2018	15:30:00	USER					THANK YOU FOR CHOOSING HALLIBURTON CEMENT, DUSTIN HYDE AND CREW

# TERRA - PA 612-26 - 9 5/8" SUFRACE

