

# HALLIBURTON

iCem<sup>®</sup> Service

## **TERRA ENERGY PARTNERS**

United States of America, COLORADO

### **For: Terra**

Date: Monday, September 10, 2018

### **FEDERAL PA 334-24 Surface**

API#05-045-23782

Sincerely,

**Grand Junction Cement Engineering**

## 2.0 Real-Time Job Summary

## 2.1 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	9/10/2018	07:30:00	USER					
Event	2	Pre-Convoy Safety Meeting	9/10/2018	09:30:00	USER					JOURNEY MANAGEMENT COMPLETE, AS WELL AS JSA
Event	3	Crew Leave Yard	9/10/2018	10:00:00	USER					
Event	4	Arrive At Loc	9/10/2018	11:00:00	USER					JOURNEY MANAGEMENT CLOSED OUT. RIG RUNNING CASING
Event	5	Assessment Of Location Safety Meeting	9/10/2018	11:30:00	USER					
Event	6	Other	9/10/2018	11:35:00	USER					WATER TEST: PH-7, TEMP-70, CL-0 WELL INFO: TP- 9 5/8 36# 1128, TD- 1135, F.C. @ 1082, MUD#- 9.5, HOLE- 13.5
Event	7	Pre-Rig Up Safety Meeting	9/10/2018	12:00:00	USER					JSA COMPLETE
Event	8	Rig-Up Equipment	9/10/2018	12:20:00	USER					
Event	9	Pre-Job Safety Meeting	9/10/2018	13:00:00	USER					JSA COMPLETE
Event	10	Start Job	9/10/2018	14:45:00	COM5					
Event	11	Prime Pumps	9/10/2018	14:45:48	COM5					FRESH WATER
Event	12	Test Lines	9/10/2018	14:52:15	COM5	8.33	0.00	3165.00	2.10	3165 PSI
Event	13	Pump Spacer 1	9/10/2018	14:58:32	COM5	8.33	2.00	65	20.00	FRESH WATER
Event	14	Pump Lead Cement	9/10/2018	15:08:22	COM5	12.30	8.00	340	53.0	125 SKS VARICEM, 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK
Event	15	Pump Tail Cement	9/10/2018	15:16:22	COM5	12.80	8.00	261.00	65.8	175 SKS VARICEM, 12.8 PPG, 2.11 FT3/SK, 11.78 GAL/SK
Event	16	Shutdown	9/10/2018	15:26:32	COM5					TO WASH UP ON TOP OF PLUG, AND DROP TOP PLUG

Event	17	Drop Top Plug	9/10/2018	15:28:57	COM5					AWAY
Event	18	Pump Displacement	9/10/2018	15:29:17	COM5	8.33	10.00	586.00	83.6	FRESH WATER
Event	19	Slow Rate	9/10/2018	15:41:46	COM5	8.33	2.00	221.00	73.0	SLOW TO BUMP PLUG
Event	20	Bump Plug	9/10/2018	15:47:13	COM5	8.33	2.00	250.0	83.6	PLUG BUMPED
Event	21	Check Floats	9/10/2018	15:47:46	COM5			980.0		FLOATS HELD, 0.5 BBLS BACK TO TRUCK
Event	22	End Job	9/10/2018	15:48:43	COM5					GOOD RETURNS THROUGHOUT JOB, NO PIPE MOVEMENT, 16 BBLS CMT TO SURFACE
Event	23	Post-Job Safety Meeting (Pre Rig-Down)	9/10/2018	16:01:39	USER					JSA COMPLETE
Event	24	Crew Leave Location	9/10/2018	17:00:00	USER					THANK YOU FOR USING HALLIBURTON CEMENT, JAMES LEIST AND CREW

3.0 Attachments

3.1 CHART.png

