

# HALLIBURTON

iCem<sup>®</sup> Service

## **TERRA ENERGY PARTNERS**

United States of America, COLORADO

Date: Friday, March 8, 2019

### **Trail Ridge 543-22-597 Surface**

Terra Trail Ridge 543-22-597 Surface

API# 05-045-23687-00

Job Date: Tuesday, February 12, 2019

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	2/11/2019	13:30:00	USER					
Event	2	Pre-Convoy Safety Meeting	2/11/2019	14:45:00	USER					JOURNEY MANAGEMENT COMPLETE, AS WELL AS JSA
Event	3	Crew Leave Yard	2/11/2019	15:00:00	USER					
Event	4	Arrive At Loc	2/11/2019	20:00:00	USER					JOURNEY MANAGEMENT CLOSED OUT.
Event	5	Assessment Of Location Safety Meeting	2/11/2019	20:30:00	USER					
Event	6	Other	2/11/2019	21:30:00	USER					WATER TEST: PH-7, CL-0, TEMP-67  WELL INFO: 9 5/8" 36# SET AT 2820', TD-2820', S.J.-29.9', HOLE- 14 3/4, MUD#- 9.3
Event	7	Other	2/11/2019	21:35:00	USER					MUD SCALES CHECKED WITH WATER PRIOR TO JOB.
Event	8	Pre-Rig Up Safety Meeting	2/11/2019	22:00:00	USER					JSA COMPLETE
Event	9	Rig-Up Equipment	2/11/2019	22:30:00	USER					TIED INTO 3 UPRIGHT WATER TANKS, 1 ELITE, 1 660, 3 CEMENT SILOS
Event	10	Pre-Job Safety Meeting	2/12/2019	00:30:00	USER					JSA COMPLETE
Event	11	Start Job	2/12/2019	01:11:06	COM5					
Event	12	Test Lines	2/12/2019	01:17:16	COM5			3140.00		3140 PSI
Event	13	Pump Spacer	2/12/2019	01:20:20	USER	8.33	4.00	80.00	5.00	FRESH WATER
Event	14	Pump Spacer 1	2/12/2019	01:21:51	COM5	11.7	4.00	101.00	10.0	SUPERFLUSH
Event	15	Pump Spacer 2	2/12/2019	01:24:55	COM5	8.33	4.00	217.00	5.00	FRESH WATER

Event	16	Pump Spacer 1	2/12/2019	01:26:04	COM5	9.7	4.00	131.00	10.00	CALCIUM CHLORIDE 50 LBS/BBL
Event	17	Pump Spacer 2	2/12/2019	01:28:48	COM5	8.33	4.00	136.00	5.00	FRESH WATER
Event	18	Pump Spacer 1	2/12/2019	01:29:48	COM5	11.7	4.00	139.00	10.00	SUPERFLUSH
Event	19	Pump Spacer 2	2/12/2019	01:32:31	COM5	8.33	4.00	197.00	5.00	FRESH WATER
Event	20	Pump Spacer 1	2/12/2019	01:34:16	COM5	9.7	4.00	111.00	10.0	CALCIUM CHLORIDE 50 LBS/BBL
Event	21	Pump Spacer 2	2/12/2019	01:37:13	COM5	8.33	1.60	68.00	10.0	FRESH WATER
Event	22	Pump Lead Cement	2/12/2019	01:42:26	COM5	12.30	8.00	500.00	396.8	940 SKS VARICEM, 12.3 PPG, 2.37 FT3/SK, 13.74 GAL/SK
Event	23	Other	2/12/2019	02:27:16	USER					HAD TO SHUT DOWN DO TO NOT GETTING ANY WATER.
Event	24	Pump Tail Cement	2/12/2019	02:37:14	COM5	12.80	8.00	537.00	129.6	345 SKS VARICEM, 12.8 PPG, 2.11 FT3/SK, 11.75 GAL/SK
Event	25	Shutdown	2/12/2019	03:00:05	USER					TO WASH UP ON TOP OF PLUG AND DROP TOP PLUG
Event	26	Drop Top Plug	2/12/2019	03:01:07	COM5					PLUG AWAY
Event	27	Pump Displacement	2/12/2019	03:01:09	COM5	8.33	10.00	940.0	215.7	
Event	28	Slow Rate	2/12/2019	03:25:56	USER	8.33	2.00	399.00	205.50	TO BUMP PLUG
Event	29	Bump Plug	2/12/2019	03:28:28	COM5	8.33	2.00	500.00	215.70	
Event	30	Check Floats	2/12/2019	03:32:02	USER			1078.00		
Event	31	Pump WATER	2/12/2019	03:39:30	USER	8.33	2.00	120.00	10.00	PUMPED 10 BBLS OF SUGAR WATER THROUGH PARISITE STRING
Event	32	Other	2/12/2019	05:26:36	COM5	8.33	2.00	40.00	1.00	PUMP FRESH WATER TO CLEAR IRON
Event	33	Pump Cement	2/12/2019	05:29:57	COM5	15.60	2.00	88.00	20.0	95 SKS TOP OUT, 15.6 PPG, 1.19 FT3/SK, 5.24 GAL/SK
Event	34	Shutdown	2/12/2019	05:43:56	USER					
Event	35	End Job	2/12/2019	05:45:50	USER					CMT TO SURFACE ON TOP OUT, NO RETURNS THROUGHOUT JOB
Event	36	Post-Job Safety Meeting (Pre Rig-Down)	2/12/2019	06:00:00	USER					
Event	37	Crew Leave Location	2/12/2019	07:00:00	USER					THANK YOU FOR USING HALLIBURTON CEMENT, JAMES LEIST AND CREW

# TERRA ENERGY - CHEVRON TR 543-22-597 - 9 5/8" SURFACE CASING

