

# HALLIBURTON

iCem<sup>®</sup> Service

## **TERRA ENERGY PARTNERS**

United States of America, COLORADO

### **For: Terra**

Date: Friday, March 01, 2019

### **FEDERAL SG 511-22 Surface**

### **API#05-045-24136-00**

GARFIELD, FEDERAL SG 511-22

905521766

Job Date: Friday, March 01, 2019

Sincerely,

**Grand Junction Cement Engineering**

## 2.0 Real-Time Job Summary

## 2.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	Comb Pump Rate (bbl/min)	DH Density (ppg)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	2/28/2019	16:30:00	USER					REQUESTED ON LOCATION 2/28/19 @ 22:00
Event	2	Depart Yard Safety Meeting	2/28/2019	18:25:00	USER					JSA COMPLETED
Event	3	Crew Leave Shop	2/28/2019	18:30:00	USER					
Event	4	Arrive At Loc	2/28/2019	20:00:00	USER					RIG HAD A MUD PUMP GO DOWN, PREPARING TO CIRCULATE AND TRIP OUT OF HOLE
Event	5	Assessment Of Location Safety Meeting	2/28/2019	20:15:00	USER					JSA COMPLETED
Event	6	Pre-Rig Up Safety Meeting	2/28/2019	20:55:00	USER					JSA COMPLETED
Event	7	Rig-Up Equipment	2/28/2019	21:00:00	USER					
Event	8	Pre-Job Safety Meeting	3/1/2019	01:00:00	USER					JSA COMPLETED, PRESSURIZED MUD SCALES CALIBRATED TO FRESH WATER
Event	9	Start Job	3/1/2019	02:28:00	COM4					9 5/8"-32.3# CASING IN 13 1/2" OH, TD 1045', TP 1038.5', ST 41.3', MUD 9.5 PPG, WATER TEMP 45, PH 7, CHLORIDES 0
Event	10	Test Lines	3/1/2019	02:30:00	USER			3000.00		TEST LINES TO 3000 PSI
Event	11	Pump Spacer 1	3/1/2019	02:33:56	COM4	4.00	8.33	150.00	20.00	20 BBLS FRESH WATER
Event	12	Pump Lead Cement	3/1/2019	02:41:57	COM4	8.00	12.30	600.00	42.40	42.4 BBLS LEAD CEMENT, 100 SKS @ 12.3 PPG / 2.38 YLD / 13.77 GAL/SK
Event	13	Pump Tail Cement	3/1/2019	02:48:39	COM4	8.00	12.80	630.00	65.80	65.8 BBLS TAIL CEMENT, 175 SKS @ 12.8 PPG / 2.11 YLD / 11.78 GAL/SK
Event	14	Drop Top Plug	3/1/2019	02:58:43	COM4					PLUG AWAY

Event	15	PUMP DISPLACEMENT	3/1/2019	02:59:43	COM4	10.00	8.33	600.00	78.50	78.5 BBLS FRESH WATER DISPLACEMENT, EVENT NOT SENT TO ZERO PUMPING STAGE TOTALS
Event	16	Bump Plug	3/1/2019	03:17:18	COM4	2.00	8.33	250.00	78.50	PLUG BUMPED AT CALCULATED, FINAL CIRCULATING PRESSURE 250 PSI @ 2 BBL/MIN, BROUGHT TO 900 PSI
Event	17	CHECK FLOATS	3/1/2019	03:21:05	COM4					FLOATS HELD, 1 BBL BACK TO PUMP
Event	18	End Job	3/1/2019	03:22:29	COM4					PIPE LEFT STATIC, GOOD RETURNS THROUGHOUT, 19 BBLS CEMENT TO SURFACE, 40# SUGAR USED, NO ADD HOURS CHARGED
Event	19	Pre-Rig Down Safety Meeting	3/1/2019	03:55:00	USER					JSA COMPLETED
Event	20	Rig-Down Equipment	3/1/2019	04:00:00	USER					
Event	21	Pre-Convoy Safety Meeting	3/1/2019	04:25:00	USER					JSA COMPLETED
Event	22	Crew Leave Location	3/1/2019	04:30:00	USER					THANK YOU FOR CHOOSING HALLIBURTON CEMENTING OF GRAND JUNCTION, CO - RYAN MARTIN AND CREW

## 3.0 Attachments

### 3.1 905521766-Custom Results.png

