

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS

United States of America, COLORADO

Date: Sunday, January 27, 2019

SG 314-15 Surface

Terra SG 314-15 Surface

API# 05-045-24127-00

Job Date: Sunday, January 27, 2019

Sincerely,

Grand Junction Cement Engineering

1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density <i>(ppg)</i>	Comb Pump Rate <i>(bbl/min)</i>	PS Pump Press <i>(psi)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Call Out	Call Out	1/27/2019	08:00:00	USER					
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	1/27/2019	10:50:00	USER					JOURNEY MANAGEMENT COMPLETE, AS WELL AS JSA
Event	3	Crew Leave Yard	Crew Leave Yard	1/27/2019	11:00:00	USER					
Event	4	Arrive At Loc	Arrive At Loc	1/27/2019	12:30:00	USER					JOURNEY MANAGEMENT CLOSED OUT. ARRIVED TO LOCATION EARLY, RIG WAS LOGGING HOLE.
Event	5	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	1/27/2019	13:00:00	USER					
Event	6	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	1/27/2019	13:30:00	USER					JSA COMPLETE
Event	7	Rig-Up Equipment	Rig-Up Equipment	1/27/2019	14:00:00	USER					
Event	8	Other	Other	1/27/2019	15:00:00	USER					WATER TEST: PH-7, CL-0, TEMP-88 WELL INFO: 9 5/8 36# CASING TOTAL 1031.59, TD-1038, S.J.-44.43, HOLE-13.5". MUD#- 9.4
Event	9	Other	Other	1/27/2019	15:10:00	USER					MUD SCALES CHECKED WITH WATER PRIOR TO JOB.
Event	10	Pre-Job Safety Meeting	Pre-Job Safety Meeting	1/27/2019	17:00:00	USER					JSA COMPLETE
Event	11	Start Job	Start Job	1/27/2019	17:59:00	USER					

Event	12	Test Lines	Test Lines	1/27/2019	18:06:38	USER			3408.00		3408 PSI
Event	13	Pump Spacer 1	Pump Spacer 1	1/27/2019	18:10:54	USER	8.33	4.10	200.00	20.00	FRESH WATER
Event	14	Pump Lead Cement	Pump Lead Cement	1/27/2019	18:17:38	USER	12.30	8.00	653.00	42.40	100 SKS VARICEM, 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK
Event	15	Pump Tail Cement	Pump Tail Cement	1/27/2019	18:24:09	USER	12.80	8.00	678.00	65.80	175 SKS VARICEM, 12.8 PPG, 2.11 FT3/SK, 11.78 GAL/SK
Event	16	Shutdown	Shutdown	1/27/2019	18:32:29	USER					TO BUMP PLUG, AND WASH UP ON TOP OF PLUG
Event	17	Drop Top Plug	Drop Top Plug	1/27/2019	18:35:29	USER					AWAY, USING POSITIVE DISPLACEMENT
Event	18	Pump Displacement	Pump Displacement	1/27/2019	18:35:51	USER	8.33	10.0	729.00	77.70	FRESH WATER
Event	19	Slow Rate	Slow Rate	1/27/2019	18:45:44	USER	8.33	2.10	272.00	67.70	TO BUMP PLUG
Event	20	Bump Plug	Bump Plug	1/27/2019	18:50:39	USER	8.33	2.10	287.00	77.70	PLUG BUMPED ON CALCULATED
Event	21	Check Floats	Check Floats	1/27/2019	18:52:12	USER				930.00	FLOATS HELD 0.5 BBLS BACK TO TRUCK
Event	22	End Job	End Job	1/27/2019	18:54:00	USER					GOOD CIRCULATION THROUGHOUT JOB, NO PIPE MOVEMENT, 17 GOOD BBLS OF CEMENT TO SURFACE
Event	23	Post-Job Safety Meeting (Pre Rig-Down)	Post-Job Safety Meeting (Pre Rig-Down)	1/27/2019	18:55:56	USER					
Event	24	Crew Leave Location	Crew Leave Location	1/27/2019	19:37:46	USER					THANK YOU FOR USING HALLIBURTON CEMENT, JAMES LEIST AND CREW

TERRA ENERGY - FEDERAL SG 314-15 - 9 5/8 SURFACE CASING

