

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS

United States of America, COLORADO

Date: Sunday, November 18, 2018

CLOUGH NR 344-3 Surface

Terra CLOUGH NR 344-3 Surface

API# 05-045-23917-00

Job Date: Sunday, November 18, 2018

Sincerely,

Grand Junction Cement Engineering

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	11/18/2018	04:00:00	USER					
Event	2	Pre-Convoy Safety Meeting	11/18/2018	06:30:00	USER					JOURNEY MANAGEMENT COMPLETE, AS WELL AS JSA
Event	3	Crew Leave Yard	11/18/2018	07:00:00	USER					
Event	4	Arrive At Loc	11/18/2018	09:00:00	USER					JOURNEY MANAGEMENT CLOSED OUT. RIG POOH WITH DP
Event	5	Assessment Of Location Safety Meeting	11/18/2018	09:30:00	USER					
Event	6	Pre-Rig Up Safety Meeting	11/18/2018	09:45:00	USER					JSA COMPLETE
Event	7	Rig-Up Equipment	11/18/2018	10:00:00	USER					1 ELITE, 1 660, 2 UPRIGHT WATER TANKS
Event	8	Other	11/18/2018	10:10:00	USER					WATER TEST: PH-7, CL-0, TEMP-57 WELL INFO: 9 5/8 36# SET @ 1114, TD- 1124, F.C. @ 1070.36, HOLE- 13.5, MW- 9.5
Event	9	Other	11/18/2018	10:30:00	USER					MUD SCALES CHECKED WITH WATER PRIOR TO JOB.
Event	10	Pre-Job Safety Meeting	11/18/2018	15:00:00	USER					JSA COMPLETE
Event	11	Start Job	11/18/2018	15:38:00	COM5					
Event	12	Test Lines	11/18/2018	15:44:06	COM5			3049.00		3049 PSI
Event	13	Pump Spacer 1	11/18/2018	15:47:09	COM5	8.33	4.00	224.00	20.00	FRESH WATER
Event	14	Pump Lead Cement	11/18/2018	15:55:30	COM5	12.30	8.00	588.00	53.00	125 SKS VARICEM, 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK
Event	15	Pump Tail Cement	11/18/2018	16:02:45	COM5	12.80	8.00	598.00	65.80	175 SKS VARICEM, 12.8 PPG, 2.11 FT3/SK, 11.78 GAL/SK

Event	16	Shutdown	11/18/2018	16:12:56	USER					TO DROP TOP PLUG, AND WASH UP ON TOP OF PLUG
Event	17	Drop Top Plug	11/18/2018	16:14:29	USER					AWAY USING POSITIVE DISPLACEMENT
Event	18	Pump Displacement	11/18/2018	16:14:47	COM5	8.33	10.00	770.00	83.00	FRESH WATER
Event	19	Slow Rate	11/18/2018	16:26:32	USER	8.33	2.00	270.00	73.50	TO BUMP PLUG
Event	20	Bump Plug	11/18/2018	16:30:20	USER	8.33	2.00	287.00	83.00	PLUG BUMPED ON CALULATED
Event	21	Check Floats	11/18/2018	16:33:50	USER			799.00		FLOATS HELD, 0.5 BBLS BACK TO TRUCK
Event	22	End Job	11/18/2018	16:35:00	COM5					GOOD RETURNS THROUGH OUT JOB, NO PIPE MOVEMENT, 30 BBLS CMT TO SURFACE
Event	23	Post-Job Safety Meeting (Pre Rig-Down)	11/18/2018	17:00:00	USER					
Event	24	Crew Leave Location	11/18/2018	18:00:00	USER					THANK YOU FOR USING HALLIBURTON CEMENT, JAMES LEIST AND CREW

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