

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS

United States of America, COLORADO

Date: Monday, May 21, 2018

RU 524-17

API # 05-045-23731-00

Terra RU 524-17 Surface

Job Date: Thursday, May 17, 2018

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)	DS Pump Press (psi)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	5/17/2018	09:00:00						ON LOCATION REQUESTED 15:00
Event	2	Pre-Convoy Safety Meeting	5/17/2018	11:50:00						ALL HES PRESENT
Event	3	Crew Leave Yard	5/17/2018	12:00:00						
Event	4	Arrive at Location from Service Center	5/17/2018	15:00:00						RIG ON BOTTOM CASING
Event	5	Assessment Of Location Safety Meeting	5/17/2018	15:02:00						MET WITH COMPANY REP SDS OFFERED
Event	6	Pre-Rig Up Safety Meeting	5/17/2018	15:10:00						1-ELITE, 1-660 BULK TRAILER, 9.625" QL, 2" PUMP IRON, 4" SUCTION HOSE
Event	7	Start Job	5/17/2018	15:42:00						TD 1150 13.5" OH, TP 1140 9.625" 32.3# CSG, SJ 41.72, MUD 9.3 #
Event	8	Test Lines	5/17/2018	15:44:29		8.33		2435		NO LEAKS
Event	9	Pump Spacer 1	5/17/2018	15:48:27		8.33	6	220	20	FRESH WATER
Event	10	Check Weight	5/17/2018	15:50:55						WEIGHT VERIFIED BY PRESSURIZED MUD SCALES
Event	11	Pump Lead Cement	5/17/2018	15:54:52		12.3	8	580	53	125 SKS, 12.3 PPG, 2.38 YIELD, 13.77 GAL/SK
Event	12	Check Weight	5/17/2018	15:58:49						WEIGHT VERIFIED BY PRESSURIZED MUD SCALES
Event	13	Pump Tail Cement	5/17/2018	16:02:29		12.8	8	580	65.8	175 SKS, 12.8 PPG, 2.11 YIELD, 11.78 GAL/SK
Event	14	Check Weight	5/17/2018	16:03:36						WEIGHT VERIFIED BY PRESSURIZED MUD SCALES

Event	15	Shutdown	5/17/2018	16:11:04						
Event	16	Drop Top Plug	5/17/2018	16:13:00						CO REP. VERIFIED
Event	17	Pump Displacement	5/17/2018	16:14:26	8.33	10	745	86.4		FRESH WATER
Event	18	Slow Rate	5/17/2018	16:23:34	8.33	2	317	76		
Event	19	Bump Plug	5/17/2018	16:27:14			1108			PLUG BUMPED AT 317 PSI, BROUGHT UP TO 1108 PSI
Event	20	Check Floats	5/17/2018	16:29:08						FLOATS HELD, ½ BBL BACK TO TRUCK
Event	21	End Job	5/17/2018	16:29:51						26 BBL OF CEMENT TO SURFACE, 0 ADD HOURS
Event	22	Post-Job Safety Meeting (Pre Rig-Down)	5/17/2018	16:36:11						40 LBS OF SUGAR USED
Event	23	Rig-Down Completed	5/17/2018	16:42:23						
Event	24	Pre-Convoy Safety Meeting	5/17/2018	16:44:00						ALL HES PRESENT
Event	25	Crew Leave Location	5/17/2018	16:45:31						THANK YOU FOR CHOOSING HALLIBURTON, CHRIS MARTINEZ AND CREW
Event	26	Bump Plug	5/17/2018	16:52:39						
Event	27	Pre-Job Safety Meeting	5/17/2018	16:53:14						ALL HES AND RIG CREW PRESENT

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