

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS

United States of America, COLORADO

Date: Wednesday, June 06, 2018

RU 324-17

API # 05-045023746-00

Laramie RU 324-17 Surface

Job Date: Saturday, May 26, 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	5/26/2018	12:00:00						ON LOCATION REQUESTED 17:00
Event	2	Pre-Convoy Safety Meeting	5/26/2018	14:00:00						ALL HES PRESENT
Event	3	Crew Leave Yard	5/26/2018	14:30:00						
Event	4	Arrive at Location from Service Center	5/26/2018	17:00:00						RIG RUNNING CASING
Event	5	Assessment Of Location Safety Meeting	5/26/2018	17:10:00						JSA completed - Customer offered/received SDS - water test pH 7.0, Cl <200, temp 65 degrees
Event	6	Pre-Rig Up Safety Meeting	5/26/2018	17:30:00						1-ELITE, 1-660 BULK TRAILER, 9.625" QL, 2" PUMP IRON, 4" SUCTION HOSE
Event	7	Rig-Up Completed	5/26/2018	17:55:00						
Event	8	Pre-Job Safety Meeting	5/26/2018	18:55:38						ALL HES AND RIG CREW PRESENT
Event	9	Start Job	5/26/2018	19:24:00						TD 1146, 13.5" OH, TP 1139.48 9.625 H-40 32.3#, SJ 44.49, MUD# 9.4
Event	10	Fill Lines	5/26/2018	19:24:09		8.33	2	48	5	FRESH WATER
Event	11	Test Lines	5/26/2018	19:27:21				2655		ALL PRESSURE HELD
Event	12	Pump Spacer 1	5/26/2018	19:30:04		8.33	4	122	15	FRESH WATER
Event	13	Check Weight	5/26/2018	19:35:13						WEIGHT VERIFIED BY PRESSURIZED MUD SCALES
Event	14	Pump Lead Cement	5/26/2018	19:37:38		12.3	8	605	53	125SKS, 12.3PPG, 2.38CF/SK, 13.77GL/SK

Event	15	Pump Tail Cement	5/26/2018	19:44:55	12.8	8	620	65.8	175 SKS, 12.8 PPG, 2.11 YIELD, 11.78 GAL/SK
Event	16	Check Weight	5/26/2018	19:46:57					
Event	17	Shutdown	5/26/2018	19:53:15					
Event	18	Drop Top Plug	5/26/2018	19:55:47					
Event	19	Pump Displacement	5/26/2018	19:56:44	8.33	10	650	86.2	Fresh Water, Wash UP On Top Plug
Event	20	Slow Rate	5/26/2018	20:07:42	8.33	2	245	76	Slow Rate 10 bbls to calculated displacement
Event	21	Bump Plug	5/26/2018	20:12:45			810		Plug Bumped at 245 psi, Brought up to 810 psi
Event	22	Check Floats	5/26/2018	20:14:04					Floats held – 1 bbl back to the truck
Event	23	End Job	5/26/2018	20:14:30					good returns throughout job, 26 bbls of cement to surface.
Event	24	Post-Job Safety Meeting (Pre Rig-Down)	5/26/2018	20:22:15					40 lbs sugar, No add hours
Event	25	Rig-Down Completed	5/26/2018	20:24:55					
Event	26	Pre-Convoy Safety Meeting	5/26/2018	20:27:15					ALL HES PRESENT
Event	27	Crew Leave Location	5/26/2018	20:29:23					THANK YOU FOR CHOOSING HALLIBURTON, CHRIS MARTINEZ AND CREW.

2.0 Attachments

2.1 RU 324-17 -Custom Results.png

