

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS

For: Terra

Date: Saturday, November 03, 2018

5-MILE RANCH SG 533-26 SURFACE

API# 05-045-23941-00 / SO# 905254402

Job Date: Saturday, November 03, 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)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	11/2/2018	15:30:00	USER					REQUESTED ON LOCATION @ 21:30. HES IN ROUTE TO LOCATION WHEN ON LOCATION TIME CHANGED TO 01:30
Event	2	Depart Yard Safety Meeting	11/2/2018	17:45:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	11/2/2018	18:00:00	USER					1 HT 400 PUMP TRUCK E4, 1 660 BULK TRUCK, 1 550 SERVICE PICKUP
Event	4	Arrive At Loc	11/2/2018	19:30:00	USER					HES ARRIVED 6 HOURS EARLY TO LOCATION. RIG DRILLING
Event	5	Assessment Of Location Safety Meeting	11/2/2018	19:45:00	USER					WALKED AROUND LOCATION AND COLLECTED WATER SAMPLE.
Event	6	Spot Equipment	11/2/2018	20:00:00	USER					1 HT 400 PUMP TRUCK E4, 1 660 BULK TRUCK, 1 550 SERVICE PICKUP
Event	7	Pre-Rig Up Safety Meeting	11/2/2018	20:15:00	USER					ALL HES PRESENT.
Event	8	Other	11/3/2018	01:00:00	USER					MET WITH COMP REP, WENT OVER NUMBERS AND JOB PROCEDURE. COMP REP WAS OFFERED SDS FOR ALL CHEMICLES USED BY HES.
Event	9	Pre-Job Safety Meeting	11/3/2018	04:40:00	USER					ALL HES EMPLOYEES AND RIG CREW PRESENT, RIG CIRCULATED @ 10.5 BPM WITH 100 PSI THROUGH CRT
Event	10	Fill Lines	11/3/2018	05:14:25	COM5					FRESH WATER
Event	11	Start Job	11/3/2018	05:15:00	USER					PRESSURIZED MUD SCALES WERE CALIBRATED TO DRINKING WATER PRIOR TO JOB. TD 1044', TP 1036.9', OH 13 1/2", CSG 9 5/8" 32.3#, SJ 39.81', MUD 9.0 PPG
Event	12	Test Lines	11/3/2018	05:18:41	COM5			3040		PRESSURE HELD
Event	13	Pump H2O Spacer	11/3/2018	05:22:25	COM5	8.33	4.0	110	20	FRESH WATER
Event	14	Check Weight	11/3/2018	05:28:09	COM5					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	15	Pump Lead Cement	11/3/2018	05:30:51	COM5	12.3	8.0	390	42.4	100 SKS VARICEM CMT 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK.

Event	16	Pump Tail Cement	11/3/2018	05:36:42	COM5	12.8	8.0	430	65.8	175 SKS VARICEM CMT 12.8 PPG, 2.11 FT3/SK, 11.78 GAL/SK
Event	17	Check Weight	11/3/2018	05:39:16	COM5					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	18	Shutdown	11/3/2018	05:46:48	USER					END OF CEMENT. WASHING UP ON TOP OF PLUG
Event	19	Drop Top Plug	11/3/2018	05:49:17	USER					VERIFIED BY FLAG INDICATOR
Event	20	Pump Displacement	11/3/2018	05:49:53	COM5	8.33	10	600	68.5	FRESH WATER
Event	21	Slow Rate	11/3/2018	05:59:56	USER	8.33	2.0	250	10	SLOWED TO BUMP PLUG
Event	22	Bump Plug	11/3/2018	06:04:33	COM5	8.33	2.0	250	78.5	PLUG BUMPED
Event	23	Check Floats	11/3/2018	06:05:35	USER			910		FLOATS HELD .5 BBL FLOWED BACK TO TRUCK
Event	24	End Job	11/3/2018	06:06:29	COM5					RETURNS THROUGHOUT JOB. 16 BBL CEMENT TO SURFACE USED 40 LBS SUGAR. LEFT 7 JOINTS OF IRON AND 3 SINGLES ON LOCATION.
Event	25	Post-Job Safety Meeting (Pre Rig-Down)	11/3/2018	06:15:00	USER					ALL HES PRESENT
Event	26	Pre-Convoy Safety Meeting	11/3/2018	06:45:00	USER					ALL HES PRESENT
Event	27	Depart Location	11/3/2018	07:00:00	USER					THANK YOU FOR CHOOSING HALLIBURTON CEMENT, DUSTIN HYDE AND CREW

2.0 Attachments

2.1 CHART.png

