

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS

For: NATHAN BURR

Date: Sunday, November 11, 2018

CLOUGH NR 44-3 Surface PJR

API# 05-045-23902-00

Sincerely,

Grand Junction Cement Engineering

2.0 Real-Time Job Summary

2.1 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	11/11/2018	11:00:00	USER					REQUESTED ON LOCATION @ 16:30
Event	2	Pre-Convoy Safety Meeting	11/11/2018	13:00:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	11/11/2018	13:10:00	USER					1 HT 400 PUMP TRUCK E4, 1 660 BULK TRUCK, 1 550 SERVICE PICKUP
Event	4	Arrive At Loc	11/11/2018	14:45:00	USER					RIG PREPARING TO RUN CASING WHEN HES ARRIVED AT LOCATION
Event	5	Assessment Of Location Safety Meeting	11/11/2018	14:50:00	USER					MET WITH COMP REP, AND WENT OVER NUMBERS AND JOB PROCEDURE. WALKED AROUND LOCATION AND COLLECTED WATER SAMPLE (PH- 7.0, CHLORIDES- 500, TEMP- 52F). COMP REP WAS OFFERED SDS FOR ALL CHEMICLES USED BY HES.
Event	6	Pre-Rig Up Safety Meeting	11/11/2018	15:00:00	USER					ALL HES PRESENT
Event	7	Rig-Up Equipment	11/11/2018	15:10:00	USER					HES RIGGED UP 1 HT400 PUMP TRUCK, 1 660 BULK TRUCK, 2" DISCHARGE IRON, AND 4" SUCTION HOSE WITHOUT ENTERING RED ZONE.
Event	8	Pre-Job Safety Meeting	11/11/2018	19:45:00	USER					ALL HES EMPLOYEES AND RIG CREW PRESENT, RIG CIRCULATED @ 10 BPM PRIOR TO JOB PRESSURE @ 116 PSI. CALIBRATED MUD SCALES ON WATER.
Event	9	Start Job	11/11/2018	19:57:17	COM6					TD 1137', TP 1130.91' OF 9 5/8" 36# SURFACE CSG, FC @ 1087.75', OH 13.5", MUD 9.7 PPG
Event	10	Fill Lines	11/11/2018	19:58:28	COM6	8.33	2	37	2	FRESH WATER
Event	11	Test Lines	11/11/2018	19:59:59	COM6		3000			ALL LINES HELD PRESSURE AT 3000 PSI

Event	12	Pump H2O Spacer	11/11/2018	20:03:50	COM6	8.33	4	150	20	20BBLs FRESH WATER
Event	13	Pump Lead Cement	11/11/2018	20:10:47	COM6	12.3	8	530	53	125 SKS VARICEM CMT 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK
Event	14	Check Weight	11/11/2018	20:12:19	COM6					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	15	Pump Tail Cement	11/11/2018	20:17:45	COM6	12.8	8	550	66	175 SKS VARICEM CMT 12.8 PPG, 2.11 FT3/SK, 11.78 GAL/SK
Event	16	Check Weight	11/11/2018	20:20:20	COM6					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	17	Shutdown	11/11/2018	20:27:35	USER					END OF CEMENT, WASH UP ON TOP OF PLUG
Event	18	Pump Displacement	11/11/2018	20:31:15	COM6	8.33	10	730	84	FRESH WATER
Event	19	Drop Top Plug	11/11/2018	20:31:30	USER					VERIFIED BY FLAG INDICATOR
Event	20	Slow Rate	11/11/2018	20:42:20	USER	8.33	2	230	74	SLOW RATE TO 2 BPM TO BUMP PLUG
Event	21	Bump Plug	11/11/2018	20:47:42	COM6	8.33	2	260	84	LAND PLUG AT 260 PSI, BROUGHT UP TO 900 PSI
Event	22	Check Floats	11/11/2018	20:50:10	USER	8.22	0.00	885.30	87.90	FLOATS HELD .5BBL BACK TO TRUCK
Event	23	End Job	11/11/2018	20:50:17	USER	8.21	0.00	194.30	87.90	RETURNS THROUGHOUT JOB, 25 BBLs CMT TO SURFACE, 40# OF SUGAR USED.
Event	24	Post-Job Safety Meeting (Pre Rig-Down)	11/11/2018	21:00:00	USER					ALL HES PRESENT
Event	25	Rig Down Lines	11/11/2018	21:11:00	USER					ALL HES PRESENT
Event	26	Pre-Convoy Safety Meeting	11/11/2018	22:00:00	USER					ALL HES PRESENT
Event	27	Crew Leave Location	11/11/2018	22:15:00	USER					THANK YOU FOR CHOOSING HALLIBURTON CEMENT, SHAWN BLOSSOM AND CREW

Custom Results

