

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS

For: CARL SCHNIEDER

Date: Sunday, August 25, 2019

PA 413-24 Surface

API# 05-045-23896-00

Job Date: Monday, August 26, 2019

Sincerely,

Rock Springs 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	8/25/2019	13:00:00	USER					REQUESTED ON LOCATION @ 19:00
Event	2	Pre-Convoy Safety Meeting	8/25/2019	15:00:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	8/25/2019	15:10:00	USER					1 HT 400 PUMP TRUCK, 1 660 BULK TRUCK, 1 550 SERVICE PICKUP
Event	4	Arrive At Loc	8/25/2019	18:00:00	USER					RIG WAS GETTING READY TO START CASING WHEN HES ARRIVED AT LOCATION
Event	5	Assessment Of Location Safety Meeting	8/25/2019	18:10:00	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-72F). COMP REP WAS OFFERED SDS FOR ALL CHEMICALS USED BY HES. CALIBRATED MUD SCALES ON WATER.
Event	6	Pre-Rig Up Safety Meeting	8/25/2019	18:15:00	USER					ALL HES PRESENT
Event	7	Rig-Up Equipment	8/25/2019	18:20:00	USER					HES RIGGED UP 1 HT 400 PUMP TRUCK, 1 660 BULK TRUCK, 2" DISCHARGE IRON, AND 4" SUCTION HOSE WITHOUT ENTERING RED ZONE.
Event	8	Pre-Job Safety Meeting	8/25/2019	20:40:00	USER					ALL HES EMPLOYEES AND RIG CREW PRESENT. RIG CIRCULATED @ 10 BPM PRIOR TO JOB. PRESSURE WAS 150PSI.
Event	9	Start Job	8/25/2019	21:00:23	COM4					TD 1131', TP 1121' OF 9 5/8" 36# SURFACE CSG, FC @ 1080.77', OH 13.5", MUD 10 PPG
Event	10	Prime Lines	8/25/2019	21:01:33	COM4	8.33	2	67	2	FRESH WATER
Event	11	Test Lines	8/25/2019	21:03:03	COM4			3100		ALL LINES HELD PRESSURE AT 3100 PSI

Event	12	Pump H2O Spacer	8/25/2019	21:06:57	COM4	8.33	4	150	20	20BBLs FRESH WATER
Event	13	Check Weight	8/25/2019	21:13:35	COM4					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	14	Pump Lead Cement	8/25/2019	21:15:29	COM4	12.3	8	450	53	125 SKS VARICEM CMT 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK
Event	15	Pump Tail Cement	8/25/2019	21:22:48	COM4	12.8	8	530	66	175 SKS VARICEM CMT 12.8 PPG, 2.11 FT3/SK, 11.78 GAL/SK
Event	16	Check Weight	8/25/2019	21:24:11	COM4					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	17	Shutdown	8/25/2019	21:32:38	USER					END OF CEMENT, WASH UP ON TOP OF PLUG
Event	18	Pump Displacement	8/25/2019	21:35:36	COM4	8.33	7	440	83.6	FRESH WATER
Event	19	Drop Top Plug	8/25/2019	21:35:55	USER					VERIFIED BY FLAG INDICATOR
Event	20	Slow Rate	8/25/2019	21:50:00	USER	8.33	2	200	73.6	SLOW RATE TO 2 BPM TO BUMP PLUG
Event	21	Bump Plug	8/25/2019	21:55:12	COM4	8.33	2	260	83.6	LAND PLUG AT 260PSI, BROUGHT UP TO 890 PSI
Event	22	Check Floats	8/25/2019	21:57:25	USER					FLOATS HELD, 1 BBL BACK TO TRUCK
Event	23	End Job	8/25/2019	22:01:11	COM4					RETURNS THROUGHOUT JOB, 25 BBLs CMT TO SURFACE, 40# SUGAR USED.
Event	24	Post-Job Safety Meeting (Pre Rig-Down)	8/25/2019	22:10:00	USER					ALL HES PRESENT
Event	25	Rig-Down Equipment	8/25/2019	22:15:00	USER					ALL HES PRESENT
Event	26	Pre-Convoy Safety Meeting	8/25/2019	23:20:00	USER					ALL HES PRESENT
Event	27	Crew Leave Location	8/25/2019	23:30:00	USER					THANK YOU FOR CHOOSING HALLIBURTON CEMENT, SHAWN BLOSSOM AND CREW.

2.0 Attachments

2.1 CHART .png

