

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS

Rock Springs District, CO

For:

Date: Thursday, September 19, 2019

PA 522-24 Production

API# 05-045-23892

GARFIELD, PA 522-24

Case 1

Job Date: Thursday, September 19, 2019

Sincerely,
Rock Springs Engineering

1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	PS Pump Press <i>(psi)</i>	DH Density <i>(ppg)</i>	Comb Pump Rate <i>(bbl/min)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Call Out	9/19/2019	08:00:00	USER					REQUESTED ON LOCATION @ 15:00
Event	2	Pre-Convoy Safety Meeting	9/19/2019	10:00:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	9/19/2019	10:30:00	USER					1 HT 400 PUMP TRUCK, 1 660 BULK TRUCK, 1 550 SERVICE PICKUP
Event	4	Arrive At Loc	9/19/2019	13:00:00	USER					RIG RUNNING CASING WHEN HES ARRIVED AT LOCATION
Event	5	Assessment Of Location Safety Meeting	9/19/2019	13:30:00	USER					MET WITH COMP REP, AND WENT OVER NUMBERS AND JOB PROCEDURE. WALKED AROUND LOCATION AND COLLECTED WATER SAMPLE (PH-7.0, CHLORIDES-0, TEMP-65F). COMP REP WAS OFFERED SDS FOR ALL CHEMICALS USED BY HES. CALIBRATED MUD SCALES ON WATER.
Event	6	Pre-Rig Up Safety Meeting	9/19/2019	15:30:00	USER					ALL HES PRESENT
Event	7	Rig-Up Equipment	9/19/2019	15:45:00	USER					HES RIGGED UP 1 HT 400 PUMP TRUCK, 1 660 BULK TRUCK, 2 CEMENT SILOS, 2" DISCHARGE IRON, AND 4" SUCTION HOSE WITHOUT ENTERING RED ZONE.
Event	8	Pre-Job Safety Meeting	9/19/2019	17:30:00	USER					ALL HES EMPLOYEES AND RIG CREW PRESENT. RIG CIRCULATED @ 10 BPM PRIOR TO JOB. PRESSURE WAS 980 PSI.
Event	9	Start Job	9/19/2019	18:29:00	COM4					TD 8998', TP 8992.47', SJ 31.7', SURFACE CSG 9 5/8" 36#, PRODUCTION CSG 4 1/2" 11.6# P-110, OH 8 3/4", MUD 13.4 PPG
Event	10	Prime Pumps	9/19/2019	18:30:50	USER	301.00	8.33	2.00	2.00	8.33 PPG FRESH WATER
Event	11	Test Lines	9/19/2019	18:33:42	COM4	5215.00	8.33	0.50	0.50	ALL LINES HELD PRESSURE AT 5215 PSI
Event	12	Pump Spacer 1	9/19/2019	18:36:26	COM4	620.00	8.40	4.00	20.00	20 BBLS MUD FLUSH
Event	13	Pump Lead Cement	9/19/2019	18:44:31	COM4	1400.00	14.20	8.00	317.00	1030 SKS NEOCEM CMT 14.2PPG, 1.73 FT3/SK, 7.78 GAL/SK.
Event	14	Check Weight	9/19/2019	18:45:30	COM4					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES

Event	15	Shutdown	9/19/2019	19:12:50	USER					SHUTDOWN TO REPLACE IN LINE 2" VALVE. SEAL RUPTURED.
Event	16	Shutdown	9/19/2019	19:35:14	USER					END OF CEMENT
Event	17	Clean Lines	9/19/2019	19:36:09	COM4					WASH PUMPS AND LINES TO THE PIT
Event	18	Drop Top Plug	9/19/2019	19:42:31	COM4					PLUG WENT, VERIFIED BY CO REP.
Event	19	Pump Displacement	9/19/2019	19:43:04	COM4	3024.00	8.40	10.00	128.90	1 GAL MMCR IN FIRST 10 BBLS, 3 LBS BE-6 IN FIRST 30 BBLS, 1 50 LB. BAG KCL THROUGHOUT DISPLACEMENT
Event	20	Bump Plug	9/19/2019	19:59:36	COM4	2490.00	8.40	4.00	10.00	LANDED PLUG AT 2490 PSI, BROUGHT UP TO 3170 PSI
Event	21	Check Floats	9/19/2019	20:01:13	USER	3170.00	8.40	0.00	138.90	1.5 BBLS BACK TO TRUCK, FLOATS HELD
Event	22	End Job	9/19/2019	20:03:04	COM4					GOOD RETURNS THROUGHOUT JOB. PIPE WAS RECIPRICATED ONLY 10'. NO SUGAR USED. NO CEMENT TO SURFACE.
Event	23	Post-Job Safety Meeting (Pre Rig-Down)	9/19/2019	20:04:12	USER					ALL HES PRESENT
Event	24	Rig-Down Equipment	9/19/2019	20:20:00	USER					ALL HES PRESENT
Event	25	Pre-Convoy Safety Meeting	9/19/2019	20:45:00	USER					ALL HES PRESENT
Event	26	Crew Leave Location	9/19/2019	21:00:00	USER					THANK YOU FOR CHOOSING HALLIBURTON CEMENT, CHRIS SMITH AND CREW.

2.0 Attachments

2.1 CHART.png

