

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS

Date: Saturday, November 3, 2018

PA 333-24 Surface

Terra PA 333-24 SURFACE

API#05-045-23788-00

Job Date: Wednesday, October 24, 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	10/23/2018	20:00:00	USER					REQUESTED ON LOCATION @ 23:30
Event	2	Pre-Convoy Safety Meeting	10/23/2018	22:00:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	10/23/2018	22:10:00	USER					1 HT 400 PUMP TRUCK E8, 1 660 BULK TRUCK, 1 550 SERVICE PICKUP
Event	4	Arrive At Loc	10/23/2018	23:30:00	USER					RIG RUNNING CASING WHEN HES ARRIVED AT LOCATION
Event	5	Assessment Of Location Safety Meeting	10/23/2018	23:40:00	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- 48F). COMP REP WAS OFFERED SDS FOR ALL CHEMICLES USED BY HES.
Event	6	Pre-Rig Up Safety Meeting	10/23/2018	23:45:00	USER					ALL HES PRESENT
Event	7	Rig-Up Equipment	10/23/2018	23:50:00	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	10/24/2018	01:30:33	USER					ALL HES EMPLOYEES AND RIG CREW PRESENT, RIG CIRCULATED @ 8 BPM PRIOR TO JOB PRESSURE @ 270 PSI. CALIBRATE MUD SCALES ON WATER.
Event	9	Start Job	10/24/2018	01:45:15	COM6					TD 1137', TP 1129.97' OF 9 5/8" 36# SURFACE CSG, FC @ 1085.72', OH 13.5", MUD 9.1 PPG

Event	10	Fill Lines	10/24/2018	01:46:09	COM6	8.33	2	50	2	FRESH WATER
Event	11	Test Lines	10/24/2018	01:47:33	COM6			2800		ALL LINES HELD PRESSURE AT 2800 PSI
Event	12	Pump H2O Spacer	10/24/2018	01:54:30	COM6	8.33	4	140	20	20BBLS FRESH WATER
Event	13	Pump Lead Cement	10/24/2018	02:01:45	COM6	12.3	8	600	53	125 SKS VARICEM CMT 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK
Event	14	Check Weight	10/24/2018	02:02:29	COM6					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	15	Pump Tail Cement	10/24/2018	02:09:05	COM6	12.8	6	400	66	175 SKS VARICEM CMT 12.8 PPG, 2.11 FT3/SK, 11.78 GAL/SK
Event	16	Check Weight	10/24/2018	02:10:31	COM6					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	17	Slow Rate	10/24/2018	02:12:00	USER					SLOWED RATE FOR CELLAR PUMP TO KEEP UP.
Event	18	Shutdown	10/24/2018	02:19:07	USER					END OF CEMENT, WASH UP ON TOP OF PLUG
Event	19	Pump Displacement	10/24/2018	02:22:25	COM6	8.33	8	560	84	FRESH WATER
Event	20	Drop Top Plug	10/24/2018	02:22:29	USER					VERIFIED BY FLAG INDICATOR
Event	21	Slow Rate	10/24/2018	02:33:54	USER	8.33	2	240	74	SLOW RATE TO 2 BPM TO BUMP PLUG
Event	22	Bump Plug	10/24/2018	02:39:19	COM6	8.33	2	265	84	LAND PLUG AT 265 PSI, BROUGHT UP TO 815 PSI
Event	23	Check Floats	10/24/2018	02:42:09	USER					FLOATS HELD, .5 BBL BACK TO TRUCK
Event	24	End Job	10/24/2018	02:43:09	COM6					RETURNS THROUGHOUT JOB, 20 BBLs CMT TO SURFACE, 40# OF SUGAR USED.
Event	25	Post-Job Safety Meeting (Pre Rig-Down)	10/24/2018	02:45:00	USER					ALL HES PRESENT
Event	26	Rig Down Lines	10/24/2018	02:50:00	USER					ALL HES PRESENT
Event	27	Pre-Convoy Safety Meeting	10/24/2018	03:50:00	USER					ALL HES PRESENT
Event	28	Crew Leave Location	10/24/2018	04:00:00	USER					THANK YOU FOR CHOOSING HALLIBURTON CEMENT, SHAWN BLOSSOM AND CREW

TERRA PA 333-24, 9 5/8" SURFACE

