

HALLIBURTON

iCem[®] Service

TERRA ENERGY PARTNERS

For: Terra

Date: Wednesday, April 11, 2018

PA 332-26 Surface PJR

API#: 05-045-23725

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)	DS Pump Press (psi)	Pump Stg Tot (bbl)	Comments
Event	1	Pre-Convoy Safety Meeting	4/11/2018	08:50:00						
Event	2	Crew Leave Yard	4/11/2018	09:00:00						1 Elite, 1 660, 1 pickup
Event	3	Call Out	4/11/2018	10:00:00						Requested on Location @ 11:00
Event	4	Arrive at Rig	4/11/2018	11:00:00						Rig drilling
Event	5	Assessment Of Location Safety Meeting	4/11/2018	11:05:00						JSA completed - Customer offered/received SDS - water test pH 7.0, Cl <200, temp 56 degrees
Event	6	Pre-Rig Up Safety Meeting	4/11/2018	11:15:00						
Event	7	Rig-Up Equipment	4/11/2018	11:30:00						1 hardline to standpipe, water hoses to upright, bulk hose to 660.
Event	8	Other	4/11/2018	15:00:00						Rig Circulated 30 mins prior to cement job at 450 gpm 300 psi
Event	9	Pre-Job Safety Meeting	4/11/2018	16:27:01						All HES personnel, rig crew, and company rep
Event	10	Start Job	4/11/2018	17:05:28						TD 1137', TP 1128, SJ 44.5', FC 1083.5 OH 13.5'', Csg 9.625'' 36#, Mud 9.3 ppg.
Event	11	Fill Lines	4/11/2018	17:06:51		8.33	2	75	5	Fresh Water
Event	12	Test Lines	4/11/2018	17:09:10				3026		Held pressure 2 minutes no leaks

Event	13	Pump Spacer	4/11/2018	17:13:05	8.33	6	250	15	Fresh Water
Event	14	Pump Lead Cement	4/11/2018	17:20:55	12.3	8	670	53	125 Sks 12.3 ppg 2.38 yield 13.77 gal/sk
Event	15	Pump Tail Cement	4/11/2018	17:28:14	12.8	8	720	65.8	175 Sks 12.8 ppg 2.11 yield 11.78 gal/sk
Event	16	Shutdown	4/11/2018	17:36:52					Wash up on top of plug
Event	17	Drop Top Plug	4/11/2018	17:38:15					Co-Rep Verify Plug Launched
Event	18	Pump Displacement	4/11/2018	17:39:40	8.33	10	870	83.8	Fresh Water
Event	19	Slow Rate	4/11/2018	17:48:01		2	300	73	Slow Rate 10 bbls to calculated displacement
Event	20	Bump Plug	4/11/2018	17:51:38			1010	83.8	Plug Bumped at 300 psi, Brought up to 1010 psi
Event	21	Check Floats	4/11/2018	17:52:54					Floats held – 3/4 bbl back to the truck
Event	22	End Job	4/11/2018	17:53:17					good returns throughout job, 23 bbls of cement to surface.
Event	23	Pre-Rig Down Safety Meeting	4/11/2018	18:00:47					40 lbs sugar, No add hours
Event	24	Rig-Down Equipment	4/11/2018	18:09:36					
Event	25	Pre-Convoy Safety Meeting	4/11/2018	18:11:30					
Event	26	Crew Leave Location	4/11/2018	18:15:17					Thanks For Using Halliburton Cement. Chris Martinez And Crew.

Custom Results

