

HALLIBURTON

iCem[®] Service

CAERUS OIL AND GAS LLC - EBUS

For: Steve Schmitz

Date: Tuesday, January 05, 2016

Puckett 14A-1 Surface PJR

API# 05-045-22616-00

Case 1

Job Date: Monday, January 04, 2016

Sincerely,

Grand Junction Cement Engineering

1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Activity	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	1/4/2016	12:00:00	USER					O/L time 1800
Event	2	Pre-Convoy Safety Meeting	1/4/2016	14:15:00	USER					
Event	3	Crew Leave Yard	1/4/2016	14:30:00	USER					2 660s, 1 transport, 1 pickup - pump on location
Event	4	Arrive At Loc	1/4/2016	17:45:00	USER					Rig still running casing
Event	5	Assessment Of Location Safety Meeting	1/4/2016	18:00:00	USER					JSA completed - company rep offered/received SDS - water test pH 7.5, Cl 0, temp 81 degrees
Event	6	Pre-Rig Up Safety Meeting	1/4/2016	18:45:00	USER					
Event	7	Rig-Up Equipment	1/4/2016	19:00:00	USER					1 hardline into cellar, 1 water line to day tank, bulk hoses to silo and 660
Event	8	Pre-Job Safety Meeting	1/4/2016	22:20:00	USER					All HES personnel, rig crew, and company rep
Event	9	Start Job	1/4/2016	22:40:13	COM5					TD 2550', TP 2532', SJ 46.75', Mud 9.2 ppg, 14 3/4" OH, 9 5/8" 36# csg
Event	10	Prime Pumps	1/4/2016	22:41:53	COM5	8.33	2.0	21	2.0	Fresh water
Event	11	Test Lines	1/4/2016	22:46:03	COM5			4485		Pressure held well
Event	12	Pump Spacer 1	1/4/2016	22:48:47	COM5	8.33	4.0	80	10.0	Fresh water
Event	13	Pump Spacer 2	1/4/2016	22:53:10	COM5	10.0	4.0	115	20.0	10.0 ppg
Event	14	Pump Spacer 1	1/4/2016	22:58:13	COM5	8.33	2.0	54	10.0	Fresh water

Event	15	Pump Lead Cement	1/4/2016	23:04:35	COM5	11.0	8.0	365	243.8	375 sks, 11.0 ppg, 3.65 yield, 23.08 gal/sk
Event	16	Pump Tail Cement	1/4/2016	23:37:30	COM5	12.8	8.0	387	62.1	160 sks, 12.8 ppg, 2.18 yield, 12.11 gal/sk
Event	17	Shutdown	1/4/2016	23:45:29	USER					Wash up on top of plug
Event	18	Drop Top Plug	1/4/2016	23:49:27	COM5					Plug launched
Event	19	Pump Displacement	1/4/2016	23:50:34	COM5	8.33	8.0	207	192.1	Fresh water
Event	20	Slow Rate	1/5/2016	00:19:53	USER		2.0	33	10.0	No returns during job
Event	21	Bump Plug	1/5/2016	00:23:34	COM5			110		
Event	22	Other	1/5/2016	00:24:28	COM5			1576		1500 psi for 30 minutes
Event	23	Check Floats	1/5/2016	00:54:00	USER					Floats held - 1 bbl flowback
Event	24	Pump Water	1/5/2016	01:09:45	USER					Clear parasite line
Event	25	Shutdown	1/5/2016	01:16:24	USER					Standby for annular fill
Event	26	Pump Water	1/5/2016	05:49:28	USER					Pump water ahead to flush line
Event	27	Pump Cement	1/5/2016	05:58:37	COM5	12.8	3.0	177	113.3	300 sks, 12.8 ppg, 2.12 yield, 11.15 gal/sk
Event	28	Shutdown	1/5/2016	06:14:50	USER					Cement delivery issue
Event	29	Pump Cement	1/5/2016	06:33:01	USER					Resume annular fill - add superflush
Event	30	Shutdown	1/5/2016	06:56:25	USER					No returns - standby for topout
Event	31	Pump Water	1/5/2016	09:16:51	USER					Pump water ahead to flush line
Event	32	Pump Cement	1/5/2016	09:18:02	USER	15.6	3.0	260	19.9	Topout - used approx 135 sks, 15.6 ppg, 1.16 yield, 5.02 gal/sk
Event	33	Shutdown	1/5/2016	09:25:14	USER					Cement to surface
Event	34	Pre-Rig Down Safety Meeting	1/5/2016	10:15:00	USER					
Event	35	Rig-Down Equipment	1/5/2016	10:30:00	USER					
Event	36	Pre-Convoy Safety	1/5/2016	11:45:00	USER					

Meeting

Event	37	Crew Leave Location	1/5/2016	12:00:00	USER	Thank you for using Halliburton - Ed Deussen and crew
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