

HALLIBURTON

iCem[®] Service

URSA RESOURCES GROUP

For: Hans Wychgram

Date: Wednesday, February 15, 2017

B&V 23C-07-07-95 Surface

API# 05-045-22707-00

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	2/14/2017	16:00:00	USER					O/L time 2000
Event	2	Pre-Convoy Safety Meeting	2/14/2017	17:45:00	USER					
Event	3	Crew Leave Yard	2/14/2017	18:00:00	USER					1 Elite, 1 compressor tractor, 1 pickup
Event	4	Arrive At Location	2/14/2017	19:00:00	USER					Rig running casing
Event	5	Assessment Of Location Safety Meeting	2/14/2017	19:15:00	USER					JSA completed - customer offered/received SDS - water test pH 6.5, CL 0, temp 64 degrees
Event	6	Pre-Rig Up Safety Meeting	2/14/2017	20:15:00	USER					
Event	7	Rig-Up Equipment	2/14/2017	20:30:00	USER					Hard line to floor w/ standpipe, water hose to upright, bulk hose to silo
Event	8	Pre-Job Safety Meeting	2/14/2017	23:15:00	USER					Waited for replacement pump to arrive - Elite #1 went down during start up – down 1 ½ hours - All HES personnel, rig crew, and company rep present for meeting
Event	9	Start Job	2/14/2017	23:35:55	USER					TD 1805', TP 1792', SJ 44', Mud 10.4 ppg, 12 1/4" OH, 8 5/8" 32# J55 casing
Event	10	Prime Lines	2/14/2017	23:37:38	USER	8.33	2.0	52	2.0	Fresh water
Event	11	Test Lines	2/14/2017	23:40:30	USER			3087		Pressure held well
Event	12	Pump H2O Spacer	2/14/2017	23:42:24	USER	8.33	4.0	230	20.0	Fresh water ahead - returns established
Event	13	Pump Lead Cement	2/14/2017	23:50:55	USER	12.3	8.0	530	119.6	273 sks VariCem, 12.3 ppg, 2.46 yield, 14.17 gal/sk
Event	14	Check weight	2/14/2017	23:54:14	COM5	12.3				Recirc matched mud scales
Event	15	Pump Tail Cement	2/15/2017	00:07:15	USER	12.8	8.0	455	46.6	120 sks VariCem, 12.8 ppg, 2.18 yield, 12.11 gal/sk
Event	16	Shutdown	2/15/2017	00:13:50	USER					Wash up on top of plug

Event	17	Drop Top Plug	2/15/2017	00:17:53	USER					Plug launched
Event	18	Pump Displacement	2/15/2017	00:19:03	USER	8.33	8.0	704	106.5	Fresh water
Event	19	Slow Rate	2/15/2017	00:34:03	USER	8.33	2.0	430	@ 96	Good returns throughout job
Event	20	Bump Plug	2/15/2017	00:38:18	USER			455		28 bbls cement to surface
Event	21	Check Floats	2/15/2017	00:40:37	USER			1120		Floats held – 1/2 bbl flowback
Event	22	End Job	2/15/2017	00:41:56	USER					40 lbs sugar used
Event	23	Pre-Rig Down Safety Meeting	2/15/2017	01:30:00	USER					
Event	24	Rig-Down Equipment	2/15/2017	01:45:00	USER					
Event	25	Pre-Convoy Safety Meeting	2/15/2017	02:00:00	USER					
Event	26	Crew Leave Location	2/15/2017	02:30:00	USER					Thank you for using Halliburton - Ed Deussen and crew