

# HALLIBURTON

iCem<sup>®</sup> Service

## **URSA RESOURCES GROUP**

**For: Hans Wychgram**

Date: Friday, August 12, 2016

**Tompkins 42B-08-07-95 Surface**

**API# 05-045-22473-00**

Sincerely,

**Grand Junction Cement Engineering**

## 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	8/11/2016	21:00:00	USER					O/L time 0300 8/12/16
Event	2	Pre-Convoy Safety Meeting	8/11/2016	22:45:00	USER					
Event	3	Crew Leave Yard	8/11/2016	23:00:00	USER					1 Elite, 1 pickup - cement pre-loaded on location
Event	4	Arrive At Location	8/12/2016	00:30:00	USER					Rig pulling drill pipe
Event	5	Assessment Of Location Safety Meeting	8/12/2016	00:45:00	USER					JSA completed - customer offered/received SDS - water test pH 6.5, Cl 0, temp 72 degrees
Event	6	Pre-Rig Up Safety Meeting	8/12/2016	02:15:00	USER					
Event	7	Rig-Up Equipment	8/12/2016	02:30:00	USER					1 hard line w/ standpipe to floor, water hose to upright, bulk hose to silo
Event	8	Pre-Job Safety Meeting	8/12/2016	04:40:00	USER					All HES personnel, rig crew, and company rep
Event	9	Start Job	8/12/2016	04:58:11	USER					TD 1830', TP 1813', SJ 45', Mud 9.5#, 12 1/4" OH, 8 5/8" 32# J55 casing
Event	10	Prime Lines	8/12/2016	05:00:05	COM5	8.33	2.0	60	2.0	Fresh water
Event	11	Test Lines	8/12/2016	05:03:02	COM5			3245		Pressure held well
Event	12	Pump H2O Spacer	8/12/2016	05:05:09	COM5	8.33	4.0	145	20.0	Fresh water - returns established
Event	13	Pump Lead Cement	8/12/2016	05:14:56	COM5	12.3	8.0	330	121.8	278 sks VariCem, 12.3 ppg, 2.46 yield, 14.17 gal/sk
Event	14	Pump Tail Cement	8/12/2016	05:31:53	COM5	12.8	8.0	277	46.6	120 sks VariCem, 12.8 ppg, 2.18 yield, 12.11 gal/sk
Event	15	Shutdown	8/12/2016	05:38:13	COM5					Wash up
Event	16	Drop Top Plug	8/12/2016	05:39:39	COM5					Rig supplied plug

Event	17	Pump Displacement	8/12/2016	05:40:25	COM5	8.33	8.0	545	107.7	Fresh water
Event	18	Slow Rate	8/12/2016	05:53:29	USER	8.33	2.0	380	@ 97	Good returns throughout job
Event	19	Bump Plug	8/12/2016	05:59:01	COM5			422		Approx 20 bbls cement to surface
Event	20	Check Floats	8/12/2016	06:00:32	USER			980		Floats held – ½ bbl flowback
Event	21	End Job	8/12/2016	06:02:00	USER					No HES plug – 40 lbs sugar used
Event	22	Pre-Rig Down Safety Meeting	8/12/2016	06:15:00	USER					
Event	23	Rig-Down Equipment	8/12/2016	06:30:00	USER					
Event	24	Pre-Convoy Safety Meeting	8/12/2016	07:15:00	USER					
Event	25	Crew Leave Location	8/12/2016	07:30:00	USER					Thank you for using Halliburton - Ed Deussen and crew