

# HALLIBURTON

iCem<sup>®</sup> Service

## **URSA RESOURCES GROUP**

**For: Hans Whychgram**

Date: Monday, August 08, 2016

**Tompkins 32B-08-07-95 Surface**

**API# 05-045-22475-00**

**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	8/8/2016	04:00:00	USER					O/L time 1100
Event	2	Pre-Convoy Safety Meeting	8/8/2016	05:45:00	USER					
Event	3	Crew Leave Yard	8/8/2016	06:00:00	USER					1 Elite, 1 pickup - cement already pre-loaded on location
Event	4	Arrive At Location	8/8/2016	07:30:00	USER					Rig just starting to run casing
Event	5	Assessment Of Location Safety Meeting	8/8/2016	07:45:00	USER					JSA completed - customer offered/received SDS - water test pH 6.5, Cl 0, temp 72 degrees
Event	6	Pre-Rig Up Safety Meeting	8/8/2016	09:45:00	USER					
Event	7	Rig-Up Equipment	8/8/2016	10:00:00	USER					1 hard line w/ standpipe to floor, water hose to upright, bulk hose to silo
Event	8	Pre-Job Safety Meeting	8/8/2016	11:30:00	USER					All HES personnel, rig crew, and company rep
Event	9	Start Job	8/8/2016	11:57:57	USER					TD 1870', TP 1854', SJ 44', Mud 10.0#, 12 1/4" OH, 8 5/8" 32# J-55 casing
Event	10	Prime Lines	8/8/2016	11:59:38	USER	8.33	2.0	64	2.0	Fresh water
Event	11	Test Lines	8/8/2016	12:02:46	COM5			3402		Pressure held well
Event	12	Pump H2O Spacer	8/8/2016	12:04:37	COM5	8.33	4.0	133	20.0	Fresh water ahead - returns established
Event	13	Pump Lead Cement	8/8/2016	12:15:04	COM5	12.3	8.0	303	124.9	285 sks, 12.3 ppg, 2.46 yield, 14.17 gal/sk
Event	14	Check weight	8/8/2016	12:16:58	COM5	12.30				Weight verified via mud scales - matched recirc
Event	15	Pump Tail Cement	8/8/2016	12:34:03	USER	12.8	8.0	259	46.6	120 sks, 12.8 ppg, 2.18 yield, 12.11 gal/sk
Event	16	Shutdown	8/8/2016	12:42:30	USER					Wash up on top of plug
Event	17	Drop Top Plug	8/8/2016	12:45:21	USER					Rig supplied non-rotating plug

Event	18	Pump Displacement	8/8/2016	12:46:33	COM5	8.33	8.0	588	110.2	Fresh water
Event	19	Slow Rate	8/8/2016	13:01:26	COM5	8.33	2.0	422	@ 100	Good returns throughout job
Event	20	Bump Plug	8/8/2016	13:05:22	COM5			448		50 bbls cement to surface
Event	21	Check Floats	8/8/2016	13:08:40	COM5			1140		Floats held- ½ bbl flowback
Event	22	End Job	8/8/2016	13:09:45	COM5					No HES plug, 40 lbs sugar used
Event	23	Pre-Rig Down Safety Meeting	8/8/2016	13:15:00	USER					
Event	24	Rig-Down Equipment	8/8/2016	13:30:00	USER					
Event	25	Pre-Convoy Safety Meeting	8/8/2016	13:45:00	USER					
Event	26	Crew Leave Location	8/8/2016	14:00:00	USER					Thank you for using Halliburton - Ed Deussen and crew