

# HALLIBURTON

iCem<sup>®</sup> Service

## **URSA RESOURCE GROUP II LLC**

**For: Hans Wychgram**

Date: Monday, September 19, 2016

**Monument Ridge B 31C-17-07-95 Surface**

**API# 05-045-22897-00**

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 <i>(ppg)</i>	Comb Pump Rate <i>(bbl/min)</i>	PS Pump Press <i>(psi)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Call Out	9/19/2016	07:00:00	USER					Requested on Location @ 12:30
Event	2	Pre-Convoy Safety Meeting	9/19/2016	09:00:00	USER					All HSE Present
Event	3	Crew Leave Yard	9/19/2016	09:15:00	USER					1 Elite, 1 Frue, 1 pickup
Event	4	Arrive At Location	9/19/2016	11:00:00	USER					ASSESSMENT OF LOCATION SAF
Event	5	Assessment Of Location Safety Meeting	9/19/2016	11:10:00	USER					JSA completed - Customer offered/received SDS - water test pH 7.0, CI <200, temp 68 degrees
Event	6	Pre-Rig Up Safety Meeting	9/19/2016	11:20:00	USER					All HES personnel Present
Event	7	Rig-Up Equipment	9/19/2016	13:10:41	USER					1 hardline and standpipe, water hoses to upright and day tank, bulk hoses to silo.
Event	8	Pre-Job Safety Meeting	9/19/2016	13:11:11	USER					All HES personnel, rig crew, and company rep
Event	9	Start Job	9/19/2016	13:54:53	COM6					TD 1895', TP 1879', SJ 45', OH 12.25", Csg 8.625" 32 lb/ft J-55, Mud 10 ppg.
Event	10	Test Lines	9/19/2016	13:59:22	COM6	8.4	0.00	3490	2.0	Held pressure 2 minutes no leaks
Event	11	Pump Spacer 1	9/19/2016	14:02:36	COM6	8.4	2.1	72.00	1.2	20 bbl Fresh water
Event	12	Check weight	9/19/2016	14:08:44	COM6	8.4	4	85.00	14.4	Verified with mud scales
Event	13	Pump Lead Cement	9/19/2016	14:10:50	COM6	12.4	4.1	158.00	0.5	292 Sks VariCem 12.3 ppg 2.46 yield 14.17 gal/sk
Event	14	Pump Tail Cement	9/19/2016	14:28:18	COM6	12.81	8.00	261.00	0.1	120 Sks VariCem 12.8 ppg 2.18 yield 12.11 gal/sk
Event	15	Check Weight	9/19/2016	14:29:33	USER	12.8	8.00	274.00	10	Verified with mud scales
Event	16	Shutdown	9/19/2016	14:35:00	USER	12.6	5.00	118.00	43.9	Wash up on top of plug
Event	17	Drop Top Plug	9/19/2016	14:39:00	USER					Verify Plug Launched

Event	18	Pump Displacement	9/19/2016	14:39:05	COM6	8.4	0.00	28	49.3	Fresh Water
Event	19	Slow Rate	9/19/2016	14:57:00	USER	8.4	2.00	412	104.5	Slow Rate 10 bbls to Calculated Displacement
Event	20	Bump Plug	9/19/2016	15:02:34	COM6	8.4	0.00	1034	115.1	Plug Bumped at 440 psi, Brought up to 1055 psi
Event	21	Check Floats	9/19/2016	15:03:40	USER	8.4	0.00	390	115.1	Floats held – ½ bbl back to the truck
Event	22	End Job	9/19/2016	15:06:00	USER					Good Returns Throughout job, Pipe was not reciprocated during cement, 30 bbls of Cement to surface
Event	23	Pre-Rig Down Safety Meeting	9/19/2016	15:07:20	USER					40 lbs sugar, No add hours, bottom plug not used
Event	24	Rig-Down Equipment	9/19/2016	15:12:16	USER					All HSE present
Event	25	Pre-Convoy Safety Meeting	9/19/2016	16:00:00	USER					All HSE present
Event	26	Crew leave Location	9/19/2016	16:30:00	USER					Thank you for using Halliburton – Ryan Muhlestein and crew.