

# HALLIBURTON

iCem<sup>®</sup> Service

## **URSA RESOURCE GROUP II LLC**

**For: Hans Wychgram**

Date: Saturday, December 03, 2016

**B&V 14D-07-07-95 Surface PJR**

API# 05-045-22715-00

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	12/3/2016	10:00:00	USER					Requested on Location @ 16:00
Event	2	Crew Leave Yard	12/3/2016	12:00:00	USER					1 Elite, 1 Frue, 1 pickup
Event	3	Arrive At Loc	12/3/2016	13:00:00	USER					Rig still running casing
Event	4	Assessment Of Location Safety Meeting	12/3/2016	13:30:00	USER					JSA completed - Customer offered/received SDS - water test pH 7.0, Cl <200, temp 68 degrees
Event	5	Rig-Down Equipment	12/3/2016	14:00:00	USER					1 hardline to standpipe, water hoses to upright and day tank, bulk hoses to silo.
Event	6	Pre-Job Safety Meeting	12/3/2016	16:00:00	USER					All HES personnel, rig crew, and company rep
Event	7	Start Job	12/3/2016	16:06:00	COM6					TD 1850', TP 1838', SJ 46', OH 12 1/4", Csg 8.625" 32 lb/ft J-55-40, Mud 10.1 ppg.
Event	8	Fill Lines	12/3/2016	16:07:48	COM6	8.4	2	86	2	Fill with fresh water
Event	9	Test Lines	12/3/2016	16:11:42	COM6	8.4	.5	3545	.5	Pressure test held at 3545 psi
Event	10	Pump Spacer 1	12/3/2016	16:13:55	COM6	8.4	4	130	20	20 bbl water spacer
Event	11	Check weight	12/3/2016	16:17:03	COM6	12.3				Verified with mud scales
Event	12	Pump Lead Cement	12/3/2016	16:23:38	COM6	12.3	8	400	123.1	281 Sks 12.3 ppg 2.46 yield 14.17 gal/sk
Event	13	Pump Tail Cement	12/3/2016	16:40:29	COM6	12.8	8	320	46.6	120 Sks 12.8 ppg 2.18 yield 12.11 gal/sk
Event	14	Shutdown	12/3/2016	16:48:26	COM6					Wash up on top of plug
Event	15	Drop Plug	12/3/2016	16:51:00	USER					Verify Plug Launched
Event	16	Pump Displacement	12/3/2016	16:51:57	COM6	8.4	8	640	109.1	109 bbl Fresh Water
Event	17	Slow Rate	12/3/2016	17:07:33	COM6	8.4	2	450	99.1	Slow Rate 10 bbls to Calculated Displacement
Event	18	Bump Plug	12/3/2016	17:11:38	COM6	8.4	2	460	109.1	Plug Bumped at 460 psi, Brought up to psi 1059

Event	19	Check Floats	12/3/2016	17:13:00	USER	Floats held – ¼ bbl back to the truck
Event	20	End Job	12/3/2016	17:13:36	USER	Good Returns Throughout job, Pipe was not reciprocated during cement, 25 bbls of Cement to surface
Event	21	Other	12/3/2016	17:20:00	USER	Rig Circulated 1 hr prior to cement job at 8.5 bpm 93 psi
Event	22	Post-Job Safety Meeting	12/3/2016	17:25:00	USER	40 pounds sugar, No add hours, Bottom plug not used
Event	23	Rig-Down Equipment	12/3/2016	17:30:00	USER	
Event	24	Pre-Convoy Safety Meeting	12/3/2016	18:30:00	USER	
Event	25	Crew Leave Location	12/3/2016	18:45:00	USER	Thank you for using Halliburton – Ryan Muhlestein and crew.