

# HALLIBURTON

iCem<sup>®</sup> Service

**URSA RESOURCES GROUP II LLC**

United States of America

**For: Hans Wychgram**

Date: Tuesday, October 18, 2016

**Monument Ridge B 44D-08-07-95 Surface**

**API# 05-045-22917-00**

Sincerely,

**Grand Junction Cement Engineering**

## 1.0 Real-Time Job Summary

### 1.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	PS Pump Press <i>(psi)</i>	DH Density <i>(ppg)</i>	Comb Pump Rate <i>(bbl/min)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Call Out	10/18/2016	06:30:00	USER					REQUESTED ON LOCATION @ 1130
Event	2	Pre Convoy Safety Meeting	10/18/2016	08:55:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	10/18/2016	09:00:00	USER					1 F550, 1 PUMP TRUCK & 2 BULK TURCKS
Event	4	Arrive At Location	10/18/2016	10:00:00	USER					RIG RUNNING CASING
Event	5	Assessment Of Location	10/18/2016	10:10:00	USER					MET WITH COMP REP,R.MCNEILL, AND WENT OVER NUMBERS AND JOB PROCEDURE. WALKED AROUND LOCATION AND COLLECTED WATER SAMPLE (PH- 7, CHLORIDES- 0, TEMP- 65F). COMP REP WAS OFFERED SDS FOR ALL CHEMICLES USED BY HES.
Event	6	Pre Rig Up Safety Meeting	10/18/2016	10:30:00	USER					ALL HES PRESENT
Event	7	Rig Up Equipment	10/18/2016	10:45:00	USER					HES RIGGED UP EQUIPMENT WITHOUT ENTERING RED ZONE.
Event	8	Pre Job Safety Meeting	10/18/2016	11:50:00	USER					ALL HES AND RIG CREW PRESENT
Event	9	Start Job	10/18/2016	12:07:00	COM6					TD 1765', TP 1750', SJ 45', OH 12.25'', CSG 8.625'' 32#, MUD 10 PPG. RIG CIRCULATED WELL @ APPROX 10 BPM WITH 414 PSI FOR APPROX 1 HRS.
Event	10	Fill Lines	10/18/2016	12:07:34	USER	68.00	8.53	1.70	0.40	8.33 PPG FRESH WATER
Event	11	Test Lines	10/18/2016	12:11:51	COM6	3615.00	8.60	0.00	1.80	ALL LINES HELD PRESSURE AT 3615 PSI
Event	12	Pump Spacer 1	10/18/2016	12:16:08	COM6	47.00	8.52	1.70	0.10	8.33 PPG FRESH WATER (20BBL)
Event	13	Check Weight	10/18/2016	12:21:30	COM6					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	14	Pump Lead Cement	10/18/2016	12:25:50	COM6	154.00	12.24	4.00	0.90	VARICEM CEMENT 263 SKS (115 BBLS), 12.3 PPG, 2.46 FT3/SK, 14.17 GAL/SK

Event	15	Pump Tail Cement	10/18/2016	12:41:27	COM6	277.00	12.87	8.00	2.30	VARICEM CEMENT 120 (47 BBLs), 12.8 PPG, 2.18 FT3/SK, 12.11 GAL/SK.
Event	16	Check Weight	10/18/2016	12:42:19	COM6					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	17	Shutdown	10/18/2016	12:48:15	USER					END OF CEMENT
Event	18	Drop Plug	10/18/2016	12:50:08	USER					PLUG WENT, VERIFIED BY CO REP, WASH UP PUMPS AND LINES ON TOP OF PLUG
Event	19	Pump Displacement	10/18/2016	12:50:57	COM6	-12.00	20.28	0.00	48.30	8.34 PPG FRESH WATER (103.8 BBLs)
Event	20	Slow Rate	10/18/2016	13:05:04	COM6					SLOW RATE TO 2 BPM PER CO REP TO LAND PLUG
Event	21	Bump Plug	10/18/2016	13:11:40	COM6	976.00	8.26	0.00	107.50	LAND PLUG AT 523 PSI, BROUGHT UP TO 994 PSI
Event	22	Check Floats	10/18/2016	13:13:03	USER	994.00	8.26	0.00	107.50	FLOATS HELD, 1 BBL BACK TO TRUCK
Event	23	End Job	10/18/2016	13:14:01	COM6					RETURNS THROUGHOUT JOB, PIPE WAS NOT RECIPROCATED DURING THE JOB, 40 BBL OF SPACER OR CEMENT BACK TO SURFACE
Event	24	Post Job Safety Meeting	10/18/2016	13:20:00	USER					ALL HES PRESENT
Event	25	Rig Down Equipment	10/18/2016	13:25:00	USER					ALL HES PRESENT
Event	26	Pre Convoy Safety Meeting	10/18/2016	13:30:00	USER					ALL HES PRESENT
Event	27	Crew Leave Location	10/18/2016	15:00:00	USER					THANK YOU FOR CHOOSING HALLIBURTON CEMENT, CHRIS SMITH AND CREW