

# HALLIBURTON

iCem<sup>®</sup> Service

## **URSA RESOURCES GROUP II LLC**

**For: Hans Wychgram**

Date: Monday, October 17, 2016

**Monument Ridge B 24D-08-07-95 Surface**

**API# 05-045-22908-00**

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	10/17/2016	05:00:00	USER					REQUESTED ON LOCATION AT 06:30 10/17/16
Event	2	Pre-Convoy Safety Meeting	10/17/2016	05:15:00	USER					ALL HES PRESENT
Event	3	Crew Leave Location	10/17/2016	05:30:00	USER					1 - ELITE PUMP AND 1 - 550 PU
Event	4	Arrive at Location from Other Job or Site	10/17/2016	06:00:00	USER					ALL TRUCKS TOGETHER ARRIVED 30 MIN EARLY. CASING CREW JUST FINISHING UP
Event	5	Assessment Of Location Safety Meeting	10/17/2016	06:05:00	USER					MET WITH CO REP TO GO OVER JOB PROCEDURE AND NUMBERS. DID A WALK AROUND OF LOCATION AND COLLECTED WATER SAMPLE (PH-7, CHL-0, TEMP 54F)
Event	6	Pre-Rig Up Safety Meeting	10/17/2016	06:10:00	USER					FILLED OUT JSA AND PULLED TRUSKS ON LOCATION
Event	7	Rig-Up Equipment	10/17/2016	06:15:00	USER					RIGGED UP RIGHT AWAY DUE TO CASING CREW BEING OUT OF THE WAY
Event	8	Pre-Job Safety Meeting	10/17/2016	07:00:00	USER					MET WITH RIG CREW TO GO OVER JOB. ALL HES PRESENT
Event	9	Start Job	10/17/2016	07:16:21	COM5					TD 1894', TP 1879', SJ 1834', CSG 8.625" 32# J-55, OH 12.25" MW 10. TOT 1276', LEAD TO SURFACE. CALCULATED 36 BBLS
Event	10	Prime Pumps	10/17/2016	07:16:45	COM5	8.33	2	32	2	2 BBLS FRESH WATER
Event	11	Test Lines	10/17/2016	07:18:24	COM5			3038		TESTED TO 3038 PSI. TESTED GOO KO'S FUNCTIONING
Event	12	Pump Spacer 1	10/17/2016	07:22:12	COM5	8.33	4	150	20	20 BBLS FRESH WATER. VERIFIED RETURNS AND MIXED CEMENT
Event	13	Pump Lead Cement	10/17/2016	07:27:20	COM5	12.3	8	290	130	296 SKS VariCem (130 BBLS) 12.3 PPG, 2.46 FT3/SK, 14.17 GAL/SK
Event	14	Pump Tail Cement	10/17/2016	07:44:47	COM5	12.8	8	300	47	120 SKS VariCem (47 BBLS) 12.8 PPG, 2.18 FT3/SK,

										12.11 GAL/SK
Event	15	Slow Rate	10/17/2016	07:46:45	USER	12.8	6	233	30	SLOWED TO FINISH OFF SILO
Event	16	Shutdown	10/17/2016	07:52:38	COM5	12.8				END OF CEMENT
Event	17	Drop Top Plug	10/17/2016	07:54:13	COM5					PLUG WENT WITNESSED BY CO REP
Event	18	Pump Displacement	10/17/2016	07:55:21	COM5	8.33	8	580	111.7	111.7 BBLS FRESH WATER
Event	19	Slow Rate	10/17/2016	08:11:12	COM5	8.33	2	430	100	SLOWED TO 2 BBLS/MIN TO LAND PLUG
Event	20	Bump Plug	10/17/2016	08:15:16	COM5	8.33	2	450	111.7	LANDED AT 450 PSI AND WENT UP TO 1000 PSI
Event	21	Check Floats	10/17/2016	08:17:04	COM5	8.33		1000	111.7	FLOATS HELD. .5 BBLS FLOWBACK TO TRUCK
Event	22	End Job	10/17/2016	08:17:57	COM5					GOOD RETURNS THROUGHOUT JOB. 40 BBLS OF LEAD CEMENT TO SURFACE.
Event	23	Pre-Rig Down Safety Meeting	10/17/2016	08:25:00	USER					ALL HES PRESENT
Event	24	Rig Down Lines	10/17/2016	08:30:00	USER					
Event	25	Pre-Convoy Safety Meeting	10/17/2016	09:15:00	USER					ALL HES PRESENT
Event	26	Crew Leave Location	10/17/2016	09:30:00	USER					THANK YOU FOR USING HALLIBURTON CEMENT. CLIFF SPARKS AND CREW.