

# HALLIBURTON

iCem<sup>®</sup> Service

## **URSA RESOURCES GROUP II LLC**

**For: Hans Wychgram**

Date: Wednesday, October 11, 2017

**BMC D 31A-18-07-95 Surface PJR**

API# 05-045-23267-00

Sincerely,

**Grand Junction Cement Engineering**

## 2.0 Real-Time Job Summary

## 2.1 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	10/10/2017	21:30:00	USER					ELITE #8, REQUESTED ON LOCAITON TIME 0300
Event	2	Pre-Convoy Safety Meeting	10/10/2017	23:00:00	USER					ALL HES EMPLOYEES
Event	3	Arrive At Loc	10/11/2017	00:30:00	USER					ARRIVED ON LOCATION 2 1/2 HOURS EARLY, RIG RUNNING CASING
Event	4	Meet With Company Rep	10/11/2017	00:35:00	USER					COMPANY REP OFFERED SDS, WATER TEST: TEMP 51 PH: 7 CHLORIDES: 0
Event	5	Assessment Of Location Safety Meeting	10/11/2017	00:45:00	USER					ALL HES EMPLOYEES
Event	6	Pre-Rig Up Safety Meeting	10/11/2017	00:50:00	USER					ALL HES EMPLOYEES
Event	7	Rig-Up Equipment	10/11/2017	01:00:00	USER					1 HT-400 PUMP TRUCK 1 FREUHAUF 1 SILO 1 F-550 PICKUP
Event	8	Pre-Job Safety Meeting	10/11/2017	02:00:00	USER					ALL HES EMPLOYEES AND RIG CREW, RIG CIRCULATED FOR 30 MINUTES @ 333 GPM @ 110 PSI
Event	9	Start Job	10/11/2017	02:06:26	COM5					TD 1816', TP 1801', SJ 44', OH 12 1/4", MUD 10.4 PPG, CASING 8 5/8" 32# J55
Event	10	Prime Lines	10/11/2017	02:07:14	USER	8.33	2	75	2	PRIME LINES WITH 2 BBLS FRESH WATER
Event	11	Test Lines	10/11/2017	02:09:14	COM5	8.33	0	3216	2	PRESSURE HELD TOP WAS 3216 PSI
Event	12	Pump Fresh Water Spacer	10/11/2017	02:13:25	COM5	8.33	4	130	20	20 BBL FRESH WATER SPACER

Event	13	Pump Lead Cement	10/11/2017	02:20:50	COM5	12.3	8	375	121.8	278 SKS 12.3 PPG, 2.18 YIELD, 14.17 GAL/SK LEAD CEMENT WEIGHT VARIFIED VIA PRESSURIZED MUD SCALES.
Event	14	Pump Tail Cement	10/11/2017	02:36:40	COM5	12.8	8.00	315	47	121 SKS 12.8 PPG 2.18 YIELD 12.11 GAL/SK TAIL CEMENT WEIGHT VERIFIED VIA PRESSURIZED MUD SCALES
Event	15	Shutdown	10/11/2017	02:45:16	USER					SHUT DOWN TO DROP TOP PLUG.
Event	16	Drop Top Plug	10/11/2017	02:47:05	COM5					PLUG AWAY NO PROBLEMS.
Event	17	Pump Displacement	10/11/2017	02:47:39	COM5	8.33	10	675	107	FRESH WATER DISPLACEMENT. WASHED UP ON TOP OF THE PIUG
Event	18	Slow Rate	10/11/2017	03:00:30	USER	8.33	2	418	97	SLOWED RATE TO BUMP THE PLUG.
Event	19	Bump Plug	10/11/2017	03:04:23	COM5	8.33	2	1034	107	PSI BEFORE LANDING THE PLUG 418 PSI, BUMPED UP TO 1034 PSI.
Event	20	Check Floats	10/11/2017	03:06:19	USER					FLOATS HELD, 3/4 BBLs BACK TO THE DISPLACEMENT TANKS.
Event	21	End Job	10/11/2017	03:07:51	COM5					GOOD RETURNS THROUGHOUT JOB. 37 BBLs OF CEMENT TO SURFACE.
Event	22	Pre-Rig Down Safety Meeting	10/11/2017	03:10:00	USER					ALL HES EMPLOYEES
Event	23	Rig-Down Equipment	10/11/2017	03:15:00	USER					
Event	24	Pre-Convoy Safety Meeting	10/11/2017	04:20:00	USER					ALL HES EMPLOYEES
Event	25	Crew Leave Location	10/11/2017	04:45:00	USER					THANK YOU FOR USING HALLIBURTON CEMENT, DUSTIN SMITH AND CREW.