

# HALLIBURTON

iCem<sup>®</sup> Service

## **URSA RESOURCES GROUP LLC-EBUS**

**For: Ursa**

Date: Sunday, July 30, 2017

**BMC B 42C-13-07-96 Surface**

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 <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	7/30/2017	00:00:00	USER					
Event	2	Pre-Convoy Safety Meeting	7/30/2017	01:55:00	USER					
Event	3	Crew Leave Yard	7/30/2017	02:00:00	USER					
Event	4	Pre-Job Safety Meeting	7/30/2017	02:22:54	USER					
Event	5	Arrive At Loc	7/30/2017	03:00:00	USER					
Event	6	Assessment Of Location Safety Meeting	7/30/2017	08:55:00	USER					
Event	7	Spot Equipment	7/30/2017	09:00:00	USER					
Event	8	Pre-Rig Up Safety Meeting	7/30/2017	09:05:00	USER					
Event	9	Rig-Up Equipment	7/30/2017	09:10:00	USER					
Event	10	Start Job	7/30/2017	11:14:00	COM5					TD: 1810 TP: 1791 SJ: 45' MW: 10.2PPG 8 5/8" 32#/FT CSG IN 12 1/4" OH WATER TEST: PH: 7 POTASSIUM: 450 CHLORIDES: 0 SULFATES: <200 TEMP: 68DEGREES
Event	11	Test Lines	7/30/2017	11:16:50	COM5					3000 PSI TEST
Event	12	Pump Spacer 1	7/30/2017	11:19:54	COM5	8.33	4.00	65.00	20.0	FRESH H2O SPACER
Event	13	Pump Lead Cement	7/30/2017	11:26:25	COM5	12.30	8.00	196.00	116.5	266 SKS @ 12.3 PPG 2.46 YLD 14.17 GAL/SK H2O
Event	14	Pump Tail Cement	7/30/2017	11:42:32	COM5	12.8	8.00	178.00	47.0	121 SKS @ 12.8 PPG 2.18 YLD 12.11 GAL/ SK H2O
Event	15	Shutdown	7/30/2017	11:50:26	USER					
Event	16	Drop Top Plug	7/30/2017	11:53:46	COM5					PLUG AWAY
Event	17	Pump Displacement	7/30/2017	11:54:08	COM5	8.33	8.00	256.00	106.3	FRESH H2O DISPLACEMENT

Event	18	Slow Rate	7/30/2017	12:07:33	USER	8.33	2.00	369.00	96.0	
Event	19	Bump Plug	7/30/2017	12:12:31	COM5	8.33	2.00	1040.00	106.3	PLUG BUMPED AT CALCULATED DISPLACEMENT
Event	20	Check Floats	7/30/2017	12:14:50	USER					FLOATS HELD.
Event	21	End Job	7/30/2017	12:15:45	COM5					
Event	22	Post-Job Safety Meeting (Pre Rig-Down)	7/30/2017	12:30:00	USER					
Event	23	Rig-Down Equipment	7/30/2017	12:35:00	USER					GOOD CIRCULATION THROUGHOUT JOB. PIPE WAS LEFT STATIC. CIRCULATED 26 BBL CEMENT TO SURFACE. NO ADD HOURS CHARGED, NO SUGAR USED.
Event	24	Pre-Convoy Safety Meeting	7/30/2017	13:25:00	USER					
Event	25	Crew Leave Location	7/30/2017	13:30:00	USER					THANK YOU FOR CHOOSING HALLIBURTON CEMENTING OF GRAND JUNCTION, COLORADO ANTHONY ANDREWS AND CREW