

# HALLIBURTON

iCem<sup>®</sup> Service

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

**For: Hans Wychgram**

Date: Sunday, November 12, 2017

**Tompkins 41AWI-08-07-95 Surface PJR**

API# 05-045-22551-00

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	11/11/2017	19:00:00	USER					ON LOCATION REQUESTED 23:30
Event	2	Pre-Convoy Safety Meeting	11/11/2017	20:00:00	USER					BULK TRUCKS TO MEET CREW ON LOCATION
Event	3	Crew Leave Yard	11/11/2017	20:15:00	USER					
Event	4	Arrive at Location from Other Job or Site	11/11/2017	21:30:00	USER					RIG HAD NOT STARTED CASING
Event	5	Assessment Of Location Safety Meeting	11/11/2017	21:45:00	USER					MET WITH COMPANY REP DISCUSSED PROCEDURE, SDS OFFERED
Event	6	Pre-Rig Up Safety Meeting	11/12/2017	04:00:00	USER					ALL HES PRESENT
Event	7	Rig-Up Completed	11/12/2017	04:45:00	USER					1-ELITE, 1-660 BULK TRAILER, 1-400 BODY LOAD, 9.625" QL, 2" PUMP IRON, 4" SUCTION HOSE
Event	8	Pre-Job Safety Meeting	11/12/2017	05:15:00	USER					ALL HES AND RIG CREW PRESENT
Event	9	Other	11/12/2017	05:20:00	USER					WATER:TEMP-48, CL-500, PH-7. RIG CIRCULATED 1 HR ON BOTTOM, 277 GPM 206 PSI
Event	10	Start Job	11/12/2017	05:47:31	USER	8.43	0.00	12.00	0.0	TD-1747', TP-1724', SJ-42', OH-12.25", CNDT-16" 15.124"ID, 77', CSG-9.625" 36#, MUD-10.2PPG
Event	11	Prime Pumps	11/12/2017	05:47:49	COM5	8.40	2.00	94.00	2.0	FRESH WATER
Event	12	Test Lines	11/12/2017	05:52:27	COM5	8.46	0.00	3174.00	2.0	PRESSURE HELD

Event	13	Pump Spacer 1	11/12/2017	05:54:19	COM5	8.40	4.00	208.00	20.1	FRESH WATER
Event	14	Pump Lead Cement	11/12/2017	06:01:56	COM5	12.30	8.00	508.00	90.3	VARICEM LEAD 206SKS, 12.3PPG, 2.46CF/SK, 14.17GAL/SK
Event	15	Pump Tail Cement	11/12/2017	06:17:16	COM5	12.80	6.00	358.00	36.9	VARICEM TAIL 95SKS, 12.8PPG, 2.18CF/SK, 12.11GAL/SK
Event	16	Shutdown	11/12/2017	06:26:16	USER					
Event	17	Drop Top Plug	11/12/2017	06:27:05	COM5					PLUG AWAY VERIFIED BY TATTLE TAIL
Event	18	Pump Displacement	11/12/2017	06:27:43	COM5	8.33	8.00	1560.00	130.0	FRESH WATER.
Event	19	Slow Rate	11/12/2017	06:35:47	USER	8.34	2.80	565.00	35.6	SLOW RATE DUE TO BRIDGING. AVERAGE PUMP RATE AFTER KICKOUT 2.8 BBLS
Event	20	Bump Plug	11/12/2017	07:20:38	COM5	8.36	1.00	923.00	130.0	PLUG BUMPED
Event	21	Check Floats	11/12/2017	07:22:37	USER	8.37	0.00	1674.00	130.0	FLOATS HELD 1 BBLS BACK
Event	22	End Job	11/12/2017	07:23:46	COM5					RETURNS THROUGH OUT JOB, 5 BBLS CEMENT TO SURFACE
Event	23	Post-Job Safety Meeting (Pre Rig-Down)	11/12/2017	07:26:00	USER					ALL HES PRESENT
Event	24	Rig-Down Completed	11/12/2017	08:30:00	USER					
Event	25	Pre-Convoy Safety Meeting	11/12/2017	08:35:00	USER					ALL HES PRESENT
Event	26	Crew Leave Location	11/12/2017	08:40:00	USER					THANK YOU FOR CHOOSING HALLIBURTON, ANDREW BRENNECKE AND CREW