

# HALLIBURTON

iCem<sup>®</sup> Service

## **URSA RESOURCES GROUP II LLC**

**For: Hans Wychgram**

Date: Wednesday, June 28, 2017

**BMC B 13B-18-07-95 Surface PJR**

API# 05-045-23322-00

Sincerely,

**Grand Junction Cement Engineering**

## 2.0 Real-Time Job Summary

## 2.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	Downhole Density (ppg)	Combined Pump Rate (bbl/min)	Pass-Side Pump Pressure (psi)	Pump Stage Total (bbl)	Comments
Event	1	Call Out	6/27/2017	19:00:00	USER					ALL HES PERSONNEL CALLED OUT AT 19:00
Event	2	Pre-Convoy Safety Meeting	6/27/2017	21:30:00	USER					JOURNEY CREATED, ALL HES INVOLVED IN SAFETY MEETING
Event	3	Crew Leave Yard	6/27/2017	21:45:00	USER					1-F-550 PICKUP, 1-ELITE PUMP TRUCK, 1-FRUEHAUFF
Event	4	Arrive At Loc	6/27/2017	23:30:00	USER					HES ARRIVED 2 HOURS EARLY, HES REP SPOKE WITH COMPANY REP PRIOR TO SPOTTING EQUIPMENT, AND RIGGING UP
Event	5	Assessment Of Location Safety Meeting	6/27/2017	23:45:00	USER					RIG WAS RUNNING CASING, HES SPOTTED EQUIPMENT AND HELD SAFETY MEETING
Event	6	Pre-Rig Up Safety Meeting	6/28/2017	00:05:00	USER					JSA FILLED OUT AND REVIEWED BY ALL HES
Event	7	Rig-Up Equipment	6/28/2017	00:10:00	USER					RIG-UP IRON TO THE FLOOR, WATER HOSE TO THE UPRIGHT AND DAY TANK, BULK HOSE TO BULK SILO
Event	8	Rig-Up Completed	6/28/2017	00:45:00	USER					RIG-UP COMPLETED SAFELY
Event	9	Pre-Job Safety Meeting	6/28/2017	01:25:00	USER					ALL HES, RIG CREW AND COMPANY REP IN ATTENDANCE TO DISCUSS JOB
Event	10	Start Job	6/28/2017	01:55:27	COM5					TD: 1777FT TP: 1754FT SJ: 45FT OH: 12.25 CSG: 8.625 32# J-55 MUD WT: 10PPG WTR TEST: TEMP-65 CHLOR: 0 PH-7
Event	11	Fill Lines	6/28/2017	01:57:49	USER	8.34	2	20	2	2BBLS OF WATER AHEAD TO FILL LINES, TO

## PRESSURE TEST

Event	12	Test Lines	6/28/2017	02:01:14	COM5			4225		PRESSURE TEST LINES TO 4225 PSI, PRESSURE TEST OK
Event	13	Fresh Water Spacer	6/28/2017	02:05:57	COM5	8.33	4	96	20	20 BBL FRESH WATER SPACER, RETURNS ESTABLISHED PRIOR TO MIXING UP LEAD CEMENT
Event	14	Check weight	6/28/2017	02:13:15	COM5	12.3				VERIFIED WEIGHT OF CEMENT
Event	15	Pump Lead Cement	6/28/2017	02:16:30	COM5	12.3	8	295	116.5	266 SKS OF VARICEM CEMENT (116.5BBLs) 12.3PPG 2.46YIELD 14.17GAL/SK WEIGHT OF LEAD CEMENT VERIFIED VIA MUD SCALES THROUGHOUT
Event	16	Pump Tail Cement	6/28/2017	02:33:34	COM5	12.8	8	180	46.9	121 SKS OF VARICEM CEMENT (46.9BBLs) 12.8PPG 2.18YIELD 12.11GAL/SK WEIGHT OF TAIL CEMENT VERIFIED VIA MUD SCALES THROUGHOUT
Event	17	Slow Rate	6/28/2017	02:37:00	USER					SLOW RATE TO END CEMENT AND KEEP DENSITY
Event	18	Drop Top Plug	6/28/2017	02:44:07	USER					TOP PLUG AWAY, NO PROBLEMS, HES WASHED UP ON TOP OF THE PLUG
Event	19	Pump Displacement	6/28/2017	02:44:41	COM5	8.34	10	693	96.6	FRESH WATER DISPLACEMENT, HES WASHED UP ON TOP OF PLUG PER COMPANY REP.
Event	20	Slow Rate	6/28/2017	02:57:07	USER	8.34	2	405	10	SLOW RATE TO LAND THE PLUG
Event	21	Bump Plug	6/28/2017	02:59:46	COM5	8.34	2	423	106.6	PLUG BUMPED ON CALCULATED DISPLACEMENT, BUMPED AT 423 PSI, TOOK TO 1020 PSI
Event	22	Check Floats	6/28/2017	03:01:59	COM5					FLOATS HELD .5BBL BACK TO TANKS, 40 BBLs OF CEMENT CIRCULATED TO SURFACE, RIG USED 40 POUNDS OF SUGAR
Event	23	End Job	6/28/2017	03:02:37	COM5					THANK YOU FOR CHOOSING HALLIBURTON CEMENT CARL KUKUS AND CREW
Event	24	Pre-Rig Down Safety Meeting	6/28/2017	03:10:00	USER					JSA REVIEWED BY ALL HES, ALL HES INVOLVED IN SAFETY MEETING

Event	25	Rig-Down Equipment	6/28/2017	03:18:51	USER	WASH UP AND BLOW DOWN PUMP TRUCK, RIG DOWN FLOOR AND ALL HARDLINES, WATER HOSES AND BULK EQUIPMENT
Event	26	Rig-Down Completed	6/28/2017	04:00:00	USER	RIG-DOWN COMPLETED SAFELY
Event	27	Pre-Convoy Safety Meeting	6/28/2017	04:10:00	USER	HES CREW WAS TOLD TO WAIT IN THE FIELD AFTER FINISHING CEMENT JOB PER COORDINATOR
Event	28	Crew Leave Location	6/28/2017	04:30:00	USER	1-F-550 PICKUP, 1-ELITE PUMP TRUCK, 1- FRUEHAUFF