

# HALLIBURTON

iCem<sup>®</sup> Service

## **URSA RESOURCES GROUP II LLC**

**For: Hans Wychgram**

Date: Wednesday, January 11, 2017

**B&V 23A-07-07-95 Surface**

**API#05-045-22710-00**

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 <i>(ppg)</i>	Combined Pump Rate <i>(bbl/min)</i>	Driv-Side Pump Pressure <i>(psi)</i>	Pump Stage Total <i>(bbl)</i>	Comments
Event	1	Call Out	1/11/2017	11:00:00	USER					ALL HES CALLED OUT
Event	2	Pre-Convoy Safety Meeting	1/11/2017	12:30:00	USER					JOURNEY CREATED, ALL HES INVOLVED IN SAFETY MEETING
Event	3	Crew Leave Yard	1/11/2017	13:00:00	USER					1-F-550 PICKUP, 1-CEMENT FRUEHAUFF
Event	4	Arrive At Loc	1/11/2017	14:30:00	USER					ALL HES ARRIVED 2 HOURS EARLY
Event	5	Assessment Of Location Safety Meeting	1/11/2017	14:45:00	USER					RIG WAS RUNNING CASING, HES REP WENT AND SPOKE WITH COMPANY REP
Event	6	Pre-Rig Up Safety Meeting	1/11/2017	15:00:00	USER					JSA FILLED OUT AND REVIEWED, ALL HES INVOLVED IN SAFETY MEETING
Event	7	Rig-Up Equipment	1/11/2017	15:20:00	USER					RIG UP IRON TO THE RIG, WATER HOSES TO BOTH UPRIGHT AND RIG TANK, BULK EQUIPMENT TO PUMP TRUCK
Event	8	Rig-Up Completed	1/11/2017	15:30:00	USER					RIG-UP COMPLETED
Event	9	Pre-Job Safety Meeting	1/11/2017	16:00:00	USER					ALL HES, RIG CREW AND COMPANY REP INVOLVED IN SAFETY MEETING
Event	10	Start Job	1/11/2017	16:42:00	USER					TD: 1805FT TP: 1791FT SJ: 45FT CSG: 8.625 32# J-55 OH: 12.25 MUD WT: 10PPG WTR TEST- TEMP: 60 CHLOR: 0 PH:7
Event	11	Fill Lines	1/11/2017	16:44:26	USER	8.40	2	60	2	FILL LINES WITH 2 BBLS OF WATER TO PRESSURE TEST
Event	12	Test Lines	1/11/2017	16:47:54	COM5			3312		PRESSURE TEST LINES TO 3312PSI, PRESSURE TEST OK
Event	13	Fresh Water Spacer	1/11/2017	16:50:54	COM5	8.34	4	150	20	20 BBL FRESH WATER SPACER PUMPED AT 4BBL/MIN
Event	14	Check weight	1/11/2017	16:54:16	COM5	12.3				WEIGHING UP FIRST TUB OF LEAD CEMENT, VERIFIED WEIGHT OF CEMENT VIA MUD SCALES
Event	15	Pump Lead Cement	1/11/2017	17:00:28	COM5	12.3	8	335	120	274 SKS OF VARICEM CEMENT ( 120BBLS) 12.3PPG

										2.46YIELD 14.17GAL/SK WEIGHT OF CEMENT VERIFIED VIA MUD SCALES THROUGHOUT LEAD CEMENT
Event	16	Pump Tail Cement	1/11/2017	17:15:10	COM5	12.8	8	330	46.6	120 SKS OF VARICEM CEMENT (46.6BBLS) 12.8PPG 2.18YIELD 12.11GAL/SK WEIGHT OF CEMENT VERIFIED VIA MUD SCALES THROUGHOUT TAIL CEMENT
Event	17	Shutdown	1/11/2017	17:23:39	USER	12.8			46.6	SHUTDOWN END OF CEMENT, READY TANKS FOR DISPLACEMENT
Event	18	Drop Top Plug	1/11/2017	17:26:12	COM5					PLUG AWAY NO PROBLEMS
Event	19	Pump Displacement	1/11/2017	17:26:51	COM5	8.34	8	640	96.3	HES WASHED UP ON TOP OF PLUG, FRESH WATER DISPLACEMENT
Event	20	Slow Rate	1/11/2017	17:41:15	USER	8.34	2	423	10	SLOW RATE TO BUMP THE PLUG
Event	21	Bump Plug	1/11/2017	17:45:08	USER	8.34	2	430	106.3	HES BUMPED THE PLUG AT 2BBL/MIN, PRESSURE WAS 430 PSI
Event	22	Check Floats	1/11/2017	17:47:50	USER			1400		FLOATS HELD .5BBL BACK TO TANKS, THERE WERE GOOD RETURNS THROUGHOUT CEMENT JOB, 28 BBLS OF CEMENT WAS BROUGHT TO SURFACE, THE RIG USED 40 POUNDS OF SUGAR
Event	23	End Job	1/11/2017	17:52:35	COM5					THANK YOU FOR CHOOSING HALLIBURTON CEMENT CARL KUKUS AND CREW
Event	24	Pre-Rig Down Safety Meeting	1/11/2017	17:55:00	USER					JSA REVIEWED, ALL HES INVOLVED IN SAFETY MEETING
Event	25	Rig-Down Equipment	1/11/2017	18:00:00	USER					BLOW DOWN PUMP TRUCK AND ALL LINES, PUMP TRUCK, IRON AND PLUG CONTAINER WILL REMAIN ON LOCATION FOR THE NEXT SURFACE
Event	26	Rig-Down Completed	1/11/2017	18:45:00	USER					ALL LINES AND EQUIPEMENT BLOWN DOWN SAFELY AND COMPLETED
Event	27	Pre-Convoy Safety Meeting	1/11/2017	18:50:00	USER					JOURNEY CREATED, ALL HES INVOLVED IN SAFETY MEETING
Event	28	Crew Leave Location	1/11/2017	19:00:00	USER					1-F-550 PICKUP, 1-CEMENT FREUHAUFF