

# HALLIBURTON

iCem<sup>®</sup> Service

## **URSA RESOURCES GROUP II LLC**

United States of America, COLORADO

### **For: URSA**

Date: Monday, July 16, 2018

### **Boies Ranch C-240 #FED 32B-24-2-98 Surface PJR**

API #: 05-103-12281

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	7/15/2018	18:30:00	USER					
Event	2	Pre-Convoy Safety Meeting	7/15/2018	20:10:00	USER					JOURNEY MANAGEMENT COMPLETE, AS WELL AS JSA
Event	3	Crew Leave Yard	7/15/2018	20:30:00	USER					
Event	4	Arrive At Loc	7/15/2018	23:30:00	USER					JOURNEY MANAGEMENT CLOSED OUT. RIG RUNNING CASING
Event	5	Assessment Of Location Safety Meeting	7/16/2018	00:30:00	USER					JSA COMPLETE, CHECKED WATER, PH-7, TEMP-68, CL-0
Event	6	Pre-Rig Up Safety Meeting	7/16/2018	00:45:00	USER					JSA COMPLETE
Event	7	Rig-Up Equipment	7/16/2018	01:00:00	USER					
Event	8	Other	7/16/2018	03:00:00	USER					TP- 3947+21 FT STICKUP, TD-3965, HOLE-13 1/2, MSC SET @ 1795, MUD# - 9.4
Event	9	Pre-Job Safety Meeting	7/16/2018	07:30:00	USER					JSA COMPLETE
Event	10	Start Job	7/16/2018	08:03:13	COM5					
Event	11	Prime Pumps	7/16/2018	08:04:40	COM5					FRESH WATER
Event	12	Test Lines	7/16/2018	08:09:24	COM5					3090 PSI
Event	13	Pump Spacer 1	7/16/2018	08:13:18	COM5	8.33	4.00	182	20.00	FRESH WATER
Event	14	Pump Cement	7/16/2018	08:22:45	COM5	12.50	8.00	420.0	264.3	761 SKS VERSACEM, 12.5 PPG, 1.95 FT3/SK, 10.17 GAL/SK

Event	15	Shutdown	7/16/2018	09:01:36	COM5					TO CLEAN UP PUMP ON TOP OF PLUG, AND DROP FIRST STAGE TOP PLUG
Event	16	Drop Top Plug	7/16/2018	09:05:54	COM5					AWAY
Event	17	Pump Displacement	7/16/2018	09:05:58	COM5	8.33	8.00	900	301.7	PUMPED 173 BBLS FRESH WATER, AND 129 BBLS MUD
Event	18	Slow Rate	7/16/2018	09:52:58	COM5	9.40	2.00	670.00	290.0	SLOW RATE TO BUMP PLUG
Event	19	Bump Plug	7/16/2018	09:55:25	COM5	9.40	2.00	680.0	301.7	PLUG BUMPED ON CALULATED
Event	20	Check Floats	7/16/2018	09:58:54	COM5			1182.0		FLOATS HELD 1.5 BBLS BACK TO TRUCK
Event	21	Open Multiple Stage Cementer	7/16/2018	10:20:21	COM5	9.40	3.30	320.0	20.0	TOOL OPENED AT 320 PSI, CIRCULATED 20 BBLS OF MUD, THEN TURNED OVER TO RIG TO CIRCULATE. RIG CIRCULATED 90 BBLS OF CMT OFF TOP OF STAGE TOOL.
Event	22	Shutdown	7/16/2018	10:27:53	COM5					
Event	23	Wait on Cement	7/16/2018	10:41:49	USER					WAIT FOR 4 HOURS FROM BUMP PLUG TO START 2ND STAGE
Event	24	Prime Pumps	7/16/2018	14:10:02	COM5	8.33	2.00	39.00	3.0	FRESH WATER
Event	25	Test Lines	7/16/2018	14:15:18	COM5			3828.00		3828 PSI
Event	26	Pump Spacer 1	7/16/2018	14:18:13	COM5	8.33	4.00	100.0	20.00	FRESH WATER
Event	27	Pump Cement	7/16/2018	14:28:20	COM5	12.30	8.00	234.7	380.0	538 SKS VARICEM, 12.3 PPG, 2.45 FT3/SK, 14.18 GAL/SK
Event	28	Shutdown	7/16/2018	15:03:50	COM5					TO DROP CLOSEING PLUG
Event	29	Drop Plug	7/16/2018	15:06:55	COM5					CLOSEING PLUG FOR MSC AWAY

Event	30	Pump Displacement	7/16/2018	15:07:17	COM5	8.33	8.00	560.0	138.7	FRESH WATER
Event	31	Slow Rate	7/16/2018	15:29:39	COM5	8.33	2.00	380.0	128.0	
Event	32	Bump Plug	7/16/2018	15:36:12	COM5	8.33	2.00	4100	138.7	PLUG BUMPED AT CALULATED
Event	33	Check Flow	7/16/2018	15:38:23	COM5			1616		CHECK FOR FLOW AFTER CLOSING MSC. NO FLOW MSC CLOSED. 90 BBLS OF CMT TO SURFACE
Event	34	Comment	7/16/2018	16:10:32	USER					GET READY FOR TOP OUT JOBS