

# HALLIBURTON

iCem<sup>®</sup> Service

## **URSA RESOURCES GROUP II LLC**

**For: Hans Wychgram**

Date: Friday, October 21, 2016

**Monument Ridge B 24C-08-07-95 Surface**

**API # 05-045-22907**

Sincerely,

**Grand Junction Cement Engineering**

## 1.0 Real-Time Job Summary

## 1.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	DS Pump Press (psi)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	10/20/2016	14:00:00	USER					REQUESTED ON LOCATION @ 20:00
Event	2	Pre-Convoy Safety Meeting	10/20/2016	14:45:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	10/20/2016	15:00:00	USER					1 HT 400 PUMP TRUCK E8, 2 660 BULK TRUCKS, 1 550 SERVICE PICKUP
Event	4	Arrive At Loc	10/20/2016	16:00:00	USER					RIG RIGGING UP CASER UPON HES ARRIVAL
Event	5	Assessment Of Location Safety Meeting	10/20/2016	18:00:00	USER					MET WITH COMP REP, AND WENT OVER NUMBERS AND JOB PROCEDURE. WALKED AROUND LOCATION AND COLLECTED WATER SAMPLE (PH- 7.0, CHLORIDES- 0, TEMP- 56F). COMP REP WAS OFFERED SDS FOR ALL CHEMICLES USED BY HES.
Event	6	Spot Equipment	10/20/2016	19:00:00	USER					1 HT 400 PUMP TRUCK E8, 2 660 BULK TRUCKS, 1 550 SERVICE PICKUP
Event	7	Pre-Rig Up Safety Meeting	10/20/2016	19:30:00	USER					ALL HES PRESENT
Event	8	Pre-Job Safety Meeting	10/20/2016	22:10:00	USER					ALL HES EMPLOYEES AND RIG CREW PRESENT, RIG CIRCULATED @ 8.7 BPM PRIOR TO JOB. PRESSURE @ 140 PSI
Event	9	Start Job	10/20/2016	22:55:06	USER					TD 1850', TP 1837', SJ 43', OH 12 1/4", CSG 8 5/8" 32# J-55, MUD 10 PPG
Event	10	Fill Lines	10/20/2016	22:55:35	COM5	8.33	2.0	65	2	FRESH WATER
Event	11	Test Lines	10/20/2016	22:58:05	COM5			3020		PRESSURE HELD
Event	12	Pump H2O Spacer	10/20/2016	23:00:54	COM5	8.33	2.0	40	11	FRESH WATER

Event	13	PumpH2O Spacer	10/20/2016	23:07:15	COM5	8.33	4.00	124	9	FRESH WATER (OPERATER ERROR) 20 BBL TOTAL H2O SPACER PUMPED
Event	14	Check weight	10/20/2016	23:07:28	COM5					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	15	Pump Lead Cement	10/20/2016	23:09:49	COM5	12.3	8.0	345	126	287 SKS OF VARICEM CMT 12.3 PPG, 2.46 FT3/SK, 14.17 GAL/SK
Event	16	Slow Rate	10/20/2016	23:26:30	USER					SLOWED DUE TO POOR BULK DELIVERY
Event	17	Pump Tail Cement	10/20/2016	23:29:37	COM5	12.8	6.5	250	47	120 SKS VARICEM CMT 12.8 PPG, 2.18 FT3/SK, 12.11 GAL/SK
Event	18	Check weight	10/20/2016	23:31:06	COM5					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	19	Slow Rate	10/20/2016	23:34:53	USER					SLOWED TO END CMT
Event	20	Shutdown	10/20/2016	23:38:06	USER					END OF CMT
Event	21	Drop Top Plug	10/20/2016	23:40:46	USER					HES PLUG WENT, VERIFIED BY FLAG INDICATOR
Event	22	Pump Displacement	10/20/2016	23:41:40	COM5	8.33	8.0	620	99.6	FRESH WATER
Event	23	Slow Rate	10/20/2016	23:58:27	USER	8.33	2.0	650	10	SLOWED TO BUMP PLUG
Event	24	Bump Plug	10/21/2016	00:04:02	COM5	8.33	2.0	460	109.6	PLUG BUMPED
Event	25	Check Floats	10/21/2016	00:08:29	USER			950		FLOATS HELD .5 BBL FLOWBACK
Event	26	End Job	10/21/2016	00:09:27	USER					30 BBLS CMT TO SURFACE, 40 LBS SUGAR USED
Event	27	Post-Job Safety Meeting (Pre Rig-Down)	10/21/2016	00:26:28	USER					ALL HES PRESENT
Event	28	Pre-Convoy Safety Meeting	10/21/2016	01:45:00	USER					ALL HES PRESENT. TOOK COMPRESSOR TRAILER AND BULK HOSES BACK TO YARD
Event	29	Crew Leave Location	10/21/2016	02:00:00	USER					THANK YOU FOR USING HALLIBURTON CMT, DUSTIN HYDE AND CREW