

# HALLIBURTON

iCem<sup>®</sup> Service

## **URSA RESOURCES GROUP II LLC**

**For: Hans Wychgram**

Date: Wednesday, October 19, 2016

**Monument Ridge B 34C-08-07-95 Surface**

**API # 05-045-22911-00**

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 <i>(ppg)</i>	Comb Pump Rate <i>(bbl/min)</i>	DS Pump Press <i>(psi)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Call Out	10/19/2016	08:30:00	USER					REQUESTED ON LOCATION @ 14:30
Event	2	Pre-Convoy Safety Meeting	10/19/2016	10:45:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	10/19/2016	11:00:00	USER					1 HT 400 PUMP TRUCK E8, 1 550 SERVICE PICKUP
Event	4	Arrive At Loc	10/19/2016	12:00:00	USER					RIG RUNNING CASING UPON HES ARRIVAL
Event	5	Assessment Of Location Safety Meeting	10/19/2016	12:15:00	USER					MET WITH COMP REP, AND WENT OVER NUMBERS AND JOB PROCEDURE. WALKED AROUND LOCATION AND COLLECTED WATER SAMPLE (PH- 7, CHLORIDES- 0, TEMP- 64F). COMP REP WAS OFFERED SDS FOR ALL CHEMICLES USED BY HES.
Event	6	Spot Equipment	10/19/2016	12:30:00	USER					1 HT 400 PUMP TRUCK E8, 1 550 SERVICE PICKUP
Event	7	Pre-Rig Up Safety Meeting	10/19/2016	12:45:00	USER					ALL HES PRESENT
Event	8	Pre-Job Safety Meeting	10/19/2016	14:37:54	USER					ALL HES EMPLOYEES AND RIG CREW PRESENT, RIG CIRCULATED @ 8 BPM PRIOR TO JOB. PRESSURE 130 PSI
Event	9	Start Job	10/19/2016	15:41:19	USER					TD 1810', TP 1795', SJ 45', 12 1/4" OH, 8 5/8" 32# J-55 SURFACE CSG, 9.9PPG MUD
Event	10	Prime Lines	10/19/2016	15:42:35	USER	8.33	2.0	65	2	FRESH WATER
Event	11	Test Lines	10/19/2016	15:46:05	USER			3000		PRESSURE HELD
Event	12	Pump H2O Spacer	10/19/2016	15:50:41	USER	8.33	4.0	130	20	FRESH WATER
Event	13	Check weight	10/19/2016	15:53:53	COM5					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	14	Pump Lead Cement	10/19/2016	15:58:44	COM5	12.3	8.0	345	119	273 SKS VARICEM CMT, 12.3 PPG, 2.449 FT3/SK, 14.1 GAL/SK

Event	15	Pump Tail Cement	10/19/2016	16:13:51	COM5	12.8	8.0	400	46.6	120 SKS VARICEM CMT, 12.8 PPG, 2.175 FT3/SK, 12.05 GAL/SK
Event	16	Slow Rate	10/19/2016	16:15:47	USER					SLOWED TO END CMT
Event	17	Shutdown	10/19/2016	16:23:52	USER					END OF CMT
Event	18	Drop Top Plug	10/19/2016	16:25:06	USER					HES PLUG DROPED VERIFIED BY FLAG INDICATOR
Event	19	Pump Displacement	10/19/2016	16:26:56	COM5	8.33	8.0	620	96.6	FRESH WATER
Event	20	Slow Rate	10/19/2016	16:42:17	USER	8.33	2.0	420	10	SLOWED TO BUMP PLUG
Event	21	Bump Plug	10/19/2016	16:47:31	COM5	8.33	2.0	440	106.6	PLUG BUMPED
Event	22	Check Floats	10/19/2016	16:51:37	USER			1030		FLOATS HELD .5 BBL FLOWBACK
Event	23	End Job	10/19/2016	16:52:03	USER					35 BBL CMT TO SURFACE. USED 40 BBLS SUGAR
Event	24	Post-Job Safety Meeting (Pre Rig-Down)	10/19/2016	17:00:00	USER					ALL HES PRESENT
Event	25	Pre-Convoy Safety Meeting	10/19/2016	17:00:01	USER					1 HT 400 PUMP TRUCK E8, 1 550 SERVICE PICKUP
Event	26	Crew Leave Location	10/19/2016	17:00:02	USER					THANK YOU FOR USING HALLIBURTON CMT, DUSTIN HYDE AND CREW