

# HALLIBURTON

iCem<sup>®</sup> Service

## **URSA RESOURCES GROUP II LLC**

**For: Hans Wychgram**

Date: Friday, December 09, 2016

**B&V 11B-18-07-95 Surface**

**API# 05-045-22845-00**

Sincerely,

**Grand Junction Cement Engineering**

## 2.0 Real-Time Job Summary

### 2.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	DH Density <i>(ppg)</i>	Comb Pump Rate <i>(bbl/min)</i>	PS Pump Press <i>(psi)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Call Out	12/8/2016	13:30:00	USER					ELITE #4
Event	2	Pre-Convoy Safety Meeting	12/8/2016	15:45:00	USER					ALL HES EMPLOYEES
Event	3	Arrive At Loc	12/8/2016	18:00:00	USER					ARRIVED 2 1/2 HRS EARLY DID NOT START CHARGING HOURS UNTIL REQUEST ON LOCATION TIME
Event	4	Assessment Of Location Safety Meeting	12/8/2016	18:15:00	USER					ALL HES EMPLOYEES
Event	5	Pre-Rig Up Safety Meeting	12/8/2016	18:30:00	USER					ALL HES EMPLOYEES
Event	6	Rig-Up Equipment	12/8/2016	18:45:00	USER					1-HT400 PUMP TRUCK (ELITE #4) 2 660 BULK TRUCKS 1 F-550 PICKUP
Event	7	Comment	12/8/2016	18:55:00	USER					CUSTOMER WAS OFFERED SDS WATER TEMP @ 59 F PH: 7 CHLORIDES: 0 PPM
Event	8	Pre-Job Safety Meeting	12/9/2016	00:00:00	USER					ALL HES EMPLOYEES AND RIG CREW RIG CIRCULATED @ 4 BBL/MIN FOR 30 MIN PRIOR TO JOB
Event	9	Start Job	12/9/2016	00:31:38	COM5					TD:1895 TP: 1880 CSG: 8 5/8 32# J-55 SJ:45 OH 12 1/4 MW: 10.0 PPG
Event	10	Prime Lines	12/9/2016	00:32:39	COM5	8.33	2.0	135	2.0	PRIME LINES FRESH WATER
Event	11	Test Lines	12/9/2016	00:35:46	COM5	8.33		3114	2.0	PRESSURE TEST OK
Event	12	Fresh Water Spacer	12/9/2016	00:37:56	COM5	8.4	4.0	180	20.0	20 BBL FRESH WATER SPACER
Event	13	Pump Lead Cement	12/9/2016	00:46:13	COM5	12.3	8.0	390	128.8	294 SKS VariCem (128.8 BBLS) 12.3 PPG 2.46 YIELD 14.17 GAL/SK LEAD CEMENT WEIGHT VERIFIED VIA PRESSURIZED MUD SCALES
Event	14	Pump Tail Cement	12/9/2016	01:03:57	COM5	12.8	8.0	310	46.6	120 SKS VariCem (46.6 BBLS) 12.8 PPG 2.18 YIELD 12.11 GAL/SK TAIL CEMENT WEIGHT VERIFIED VIA

PRESSURIZED MUD SCALES

Event	15	Shutdown	12/9/2016	01:11:52	USER						
Event	16	Drop Top Plug	12/9/2016	01:15:56	COM5						PLUG AWAY NO ISSUES
Event	17	Pump Displacement	12/9/2016	01:18:09	COM5	8.4	8.0	640	111.7		FRESH WATER DISPLACEMENT
Event	18	Slow Rate	12/9/2016	01:32:55	USER	8.4	2.0	460	101.7		SLOW RATE PRIOR TO BUMPING PLUG
Event	19	Bump Plug	12/9/2016	01:37:15	COM5	8.4	2.0	460	111.7		PRESSURE PRIOR TO BUMPING PLUG @ 460 PSI BUMPED PLUG UP TO 1060 PSI
Event	20	Check Floats	12/9/2016	01:38:38	COM5	8.4		1060	111.7		1/2 BBLS BACK TO TRUCKS TANK
Event	21	End Job	12/9/2016	01:39:50	COM5						GOOD RETURNS THROUGHOUT JOB PIPE WAS STATIC THROUGHOUT JOB CIRCULATED 40 BBLS CEMENT TO SURFACE
Event	22	Pre-Rig Down Safety Meeting	12/9/2016	02:00:00	USER						ALL HES EMPLOYEES
Event	23	Rig-Down Equipment	12/9/2016	02:15:00	USER						
Event	24	Pre-Convoy Safety Meeting	12/9/2016	02:45:00	USER						ALL HES EMPLOYEES
Event	25	Crew Leave Location	12/9/2016	03:00:00	USER						THANK YOU FOR USING HALLIBURTON CEMENT DAVID CAMPBELL AND CREW