

# HALLIBURTON

iCem<sup>®</sup> Service

## **URSA RESOURCES GROUP II LLC**

**For: Hans Wychgram**

Date: Friday, October 14, 2016

**Monument Ridge B 21A-17-07-95 Surface**

**API# 05-045-22893-00**

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>	PS Pump Press <i>(psi)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Call Out	10/14/2016	02:00:00	USER					REQUESTED ON LOCATION @ 08:30 10/14/16
Event	2	Pre-Convoy Safety Meeting	10/14/2016	03:45:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	10/14/2016	04:00:00	USER					1 - ELITE PUMP AND 1 - 550 PU. ALL TRUCKS LEFT TOGETHER
Event	4	Arrive At Loc	10/14/2016	05:00:00	USER					ARRIVED TOGETHER. RIG CREW WAS PULLING DRILL PIPE. CO REP SAID THEY HAD 400' LEFT TO PULL
Event	5	Assessment Of Location Safety Meeting	10/14/2016	05:05:00	USER					MET WITH CO REP AND WENT OVER NUMBERS AND JOB PROCEDURE. DID A WALK AROUND OF LOCATION AND COLLECTED WATER SAMPLE (PH - 7, CHL - 0, TEMP - 50F) CUSTOMER OFFERED / RECEIVED SDS. LEFT TRUCKS OFF LOCATION UNTIL SPOTTING AREA WAS CLEAR
Event	6	Pre-Rig Up Safety Meeting	10/14/2016	08:00:00	USER					ALL HES PRESENT
Event	7	Rig-Up Equipment	10/14/2016	08:15:00	USER					RIGGED UP WHAT WE COULD WHILE STAYING OUT OF THE RED ZONE. FINISHE RIGGING UP WHEN CASING WAS FINISHED AT 11:00
Event	8	Pre-Job Safety Meeting	10/14/2016	11:30:00	USER					MET WITH RIG CREW TO GO OVER JOB. ALL HES PRESENT
Event	9	Start Job	10/14/2016	11:43:16	COM5					TD 1980', TP 1963', FC 1919', SJ 44', OH 12.25", CSG 8.625" 32# J-55, MW 10 PPG, TOT 1361', LEAD TO SURFACE
Event	10	Prime Pumps	10/14/2016	11:43:43	COM5	8.33	2	60	2	2 BBLS FRESH WATER
Event	11	Test Lines	10/14/2016	11:45:31	COM5			3267		TESTED TO 3267 PSI. KO'S FUNCTIONING. TESTED GOOD

Event	12	Pump Spacer 1	10/14/2016	11:50:17	COM5	8.33	4	120	20	20 BBLS FRESH WATER. VERIFIED RETURNS WITHIN THE FIRST BBL
Event	13	Check weight	10/14/2016	11:53:31	COM5	12.3				12.3 PPG
Event	14	Pump Lead Cement	10/14/2016	11:59:25	COM5	12.3	8	350	133.6	305 SKS VariCem (133.6 BBLS) 12.3 PPG, 2.46 FT3/SK, 14.17 GAL/SK
Event	15	Pump Tail Cement	10/14/2016	12:17:25	COM5	12.8	8	300	47	121 SKS VariCem (47 BBLS) 12.8 PPG, 2.18 FT3/SK, 12.11 GAL/SK
Event	16	Shutdown	10/14/2016	12:25:20	COM5					END OF CEMENT
Event	17	Drop Plug	10/14/2016	12:27:46	COM5					PLUG WENT VERIFIED BY CO REP
Event	18	Pump Displacement	10/14/2016	12:28:53	COM5	8.33	8	580	117	117 BBLS FRESH WATER
Event	19	Slow Rate	10/14/2016	12:45:35	COM5	8.33	2	440	107	SLOWED TO 2 BBLS/MIN TO LAND PLUG
Event	20	Bump Plug	10/14/2016	12:49:04	COM5	8.33	2	420	117	LANDED AT 440 PSI AND WENT TO 940 PSI
Event	21	Check Floats	10/14/2016	12:50:25	COM5	8.33	0	940	117	FLOATS HELD 1 BBLS BACK TO TRUCK
Event	22	End Job	10/14/2016	12:51:30	COM5	8.22	0.00	39.00	0.0	GOOD RETURNS THROUGHOUT JOB. 37 BBLS OF CEMENT TO SURFACE
Event	23	Pre-Rig Down Safety Meeting	10/14/2016	12:55:00	USER					ALL HES PRESENT
Event	24	Rig Down Lines	10/14/2016	13:10:00	USER					
Event	25	Pre-Convoy Safety Meeting	10/14/2016	13:45:00	USER					ALL HES PRESENT
Event	26	Crew Leave Location	10/14/2016	14:00:00	USER					THANK YOU FOR USING HALLIBURTON CEMENT. CLIFF SPARKS AND CREW.