

HALLIBURTON

iCem[®] Service

URSA RESOURCES GROUP II LLC

United States of America, COLORADO

For: URSA

Date: Saturday, September 08, 2018

BOIES RANCH B-19N 23B-19-2-97

API #: 05-103-12296

Sincerely,

Grand Junction Cement Engineering

1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	Comb Pump Rate (bbl/min)	DH Density (ppg)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comments
Event	1	CALL OUT	9/7/2018	17:00:00	USER					
Event	2	Pre-Convoy Safety Meeting	9/7/2018	18:00:00	USER					
Event	3	Crew Leave Yard	9/7/2018	18:05:00	USER					
Event	4	Arrive At Loc	9/7/2018	20:00:00	USER					CREW ARRIVED ON LOC @ 20:00, REQUESTED ON LOC TIME WAS 23:30 9/7/18
Event	5	Assessment Of Location Safety Meeting	9/7/2018	20:05:00	USER					
Event	6	SPOT EQUIPMENT	9/7/2018	20:10:00	USER					
Event	7	Pre-Rig Up Safety Meeting	9/7/2018	20:20:00	USER					
Event	8	Pre-Rig Up Safety Meeting	9/7/2018	20:25:00	USER					
Event	9	Pre-Job Safety Meeting	9/7/2018	23:00:00	USER					
Event	10	Start Job	9/8/2018	00:20:13	COM5					STAGE 1 TD: 3605 TP: 3584 SJ: 44.61 MW: 9.3 9 5/8" 36#/FT CSG IN 13 1/2" OH WATER TEST: PH: 7 CHLORIDES: 0 SULFATES: <200 POTASSIUM: 450 TEMP: 68 DEGREES. PRESSURIZED MUD SCALES VERIFIED ON DRINKING WATER PRIOR TO JOB.
Event	11	Test Lines	9/8/2018	00:22:24	COM5			3000.00		3000 PSI TEST SUCCESSFUL
Event	12	Pump Spacer 1	9/8/2018	00:29:07	COM5	4.00	8.33	140.00	20.00	FRESH H2O SPACER

Event	13	Pump Cement	9/8/2018	00:35:55	COM5	8.00	12.50	391.00	205.3	588 SKS @ 12.5 PPG 1.96 YLD 10.18 GAL/SK H2O
Event	14	Shutdown	9/8/2018	01:04:32	COM5					
Event	15	Drop Plug	9/8/2018	01:06:54	USER					DROP SHUTOFF PLUG, PUSHED PLUG INTO CSG WITH CO-REP
Event	16	Pump Displacement	9/8/2018	01:08:31	COM5	8.00	8.33	775.00	273.60	140 BBL FRESH H2O DISPLACEMENT FOLLOWED BY 133.3 BBL MUD DISPLACEMENT. SLOWED RATE @ 130 AWAY TO ALLOW PLUG TO PASS THROUGH TOOL.
Event	17	Slow Rate	9/8/2018	01:57:07	USER	2.00	9.30	546.00	260.00	
Event	18	Bump Plug	9/8/2018	02:00:41	COM5	2.00	9.30	1098.00	273.6	PLUG BUMPED @ CALCULATED DISPLACEMENT
Event	19	Check Floats	9/8/2018	02:03:10	COM5					FLOATS HELD, GAINED 1.5 BBL BACK TO PUMP
Event	20	Drop Opening Device For Multiple Stage Cementer	9/8/2018	02:08:00	USER					
Event	21	Open Multiple Stage Cementer	9/8/2018	02:16:55	COM5	3.00	9.30	200.00	10.00	STAGE TOOL OPENED SUCCESSFULLY @ 304 PSI, PUMPED RAMAINDER OF MUD ON PUMP TRUCK
Event	22	Shutdown	9/8/2018	02:23:15	USER					SHUTDOWN AND TURN OVER TO RIG TO CIRCULATED 4 HRS, GAINED 60 BBL CMT TO SURFACE DURING CIRCULATION
Event	23	Test Lines	9/8/2018	06:18:00	COM5			3000.00		START STAGE 2, 3000 PSI TEST SUCCESSFUL
Event	24	Pump Spacer 1	9/8/2018	06:22:37	COM5	4.00	8.33	127.00	20.00	FRESH H2O SPACER
Event	25	Pump Cement	9/8/2018	06:29:15	COM5	8.00	12.30	360.00	251.00	575 SKS @ 12.3 PPG 2.45 YLD 14.18 GAL/SK H2O
Event	26	Shutdown	9/8/2018	07:06:21	USER					DROP CLOSING PLUG, CO-REP WITNESSED
Event	27	Pump Displacement	9/8/2018	07:10:18	COM5	8.00	8.33	550.00	146.60	FRESH H2O DISPLACEMENT

Event	28	Slow Rate	9/8/2018	07:33:19	USER	2.00	8.33	430.00	135.00	
Event	29	Bump Plug	9/8/2018	07:36:56	COM5	2.00	8.33	1524.00	146.60	BUMP PLUG AND PRESSURE UP TO 1500 TO CLOSE MSC. PLUG BUMPED AT CALCULATED DISPLACEMENT
Event	30	Check Floats	9/8/2018	07:40:03	COM5					TOOL CLOSED SUCCESSFULLY, GAINED 1.5 BBL BACK TO PUMP
Event	31	End Job	9/8/2018	07:44:07	COM5					
Event	32	Post-Job Safety Meeting (Pre Rig-Down)	9/8/2018	08:00:00	USER					
Event	33	Rig-Down Equipment	9/8/2018	08:05:00	USER					GOOD CIRCULATION THROUGH MOST OF THE JOB, LOST CIRCULATION @ 160 BBL CMT AWAY ON FIRST STAGE, GAINED CIRCULATION @ 40 AWAY ON DISPLACEMENT. PIPE WAS LEFT STATIC THROUGHOUT JOB. 1 ADD HR CHARGED. NO SUGAR USED.
Event	34	Pre-Convoy Safety Meeting	9/8/2018	09:20:00	USER					
Event	35	Crew Leave Location	9/8/2018	09:30:00	USER					THANK YOU FOR CHOOSING HALLIBURTON CEMENTING OF GRAND JCT, CO ANTHONY ANDREWS AND CREW