

HALLIBURTON

iCem[®] Service

URSA RESOURCES GROUP

For: Hans Wychgram

Date: Monday, September 11, 2017

BMC D 41B-18-07-95 Surface PJR

API# 05-045-23278-00

Sincerely,

Grand Junction Cement Engineering

1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	Pass-Side Pump Pressure (psi)	Downhole Density (ppg)	Combined Pump Rate (bbl/min)	Pump Stage Total (bbl)	Comments
Event	1	Call Out	9/10/2017	23:15:00	USER					REQUESTED ON LOCATION @ 0630
Event	2	Pre-Convoy Safety Meeting	9/11/2017	01:00:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	9/11/2017	01:15:00	USER					1 F550, 1 PUMP TRUCK
Event	4	Arrive At Loc	9/11/2017	02:30:00	USER					RIG PULLING DRILL PIPE
Event	5	Assessment Of Location Safety Meeting	9/11/2017	05:30:00	USER					MET WITH COMP REP, R.MCNIEL, AND WENT OVER NUMBERS AND JOB PROCEDURE. WALKED AROUND LOCATION AND COLLECTED WATER SAMPLE (PH- 7, CHLORIDES- 0, TEMP- 62F). COMP REP WAS OFFERED SDS FOR ALL CHEMICLES USED BY HES.
Event	6	Pre-Rig Up Safety Meeting	9/11/2017	10:30:00	USER					ALL HES PRESENT
Event	7	Pre-Job Safety Meeting	9/11/2017	11:40:00	USER					ALL HES AND RIG CREW PRESENT
Event	8	Start Job	9/11/2017	12:31:00	USER					TD 1885', TP 1869', SJ 45', OH 12.25'', CSG 8.625'' 32#, MUD 10.2 PPG.
Event	9	Prime Pumps	9/11/2017	12:32:17	USER	38.00	8.27	0.00	0.0	8.33 PPG FRESH WATER
Event	10	Test Lines	9/11/2017	12:36:39	COM6	3253.00	8.36	0.50	0.5	ALL LINES HELD PRESSURE AT 3253 PSI
Event	11	Pump Spacer 1	9/11/2017	12:42:31	COM6	230.00	8.34	3.90	20.4	8.33 PPG FRESH WATER (20BBL)
Event	12	Pump Lead Cement	9/11/2017	12:53:35	COM6	230.00	12.30	8.00	127.0	VARICEM CEMENT 287 SKS (126 BBLS), 12.3 PPG, 2.46 FT3/SK, 14.17 GAL/SK

Event	13	Pump Tail Cement	9/11/2017	13:11:59	COM6	2450.00	12.80	8.00	47.0	VARICEM CEMENT 120 SKS (47 BBLS), 12.8 PPG, 2.18 FT3/SK, 12.11 GAL/SK.
Event	14	Shutdown	9/11/2017	13:18:01	USER					END OF CEMENT
Event	15	Drop Top Plug	9/11/2017	13:23:18	USER					WASH UP PUMPS AND LINES ON TOP OF PLUG
Event	16	Pump Displacement	9/11/2017	13:25:02	COM6	717.00	8.33	10.00	110.8	8.34 PPG FRESH WATER (111.1 BBLS)
Event	17	Slow Rate	9/11/2017	13:42:03	USER	443.00	8.41	2.00	10.0	SLOW RATE TO 2 BPM PER CO REP TO LAND PLUG
Event	18	Bump Plug	9/11/2017	13:46:54	USER	1005.00	8.47	0.00	111.1	LAND PLUG AT 393 PSI, BROUGHT UP TO 893 PSI
Event	19	Check Floats	9/11/2017	13:48:00	USER					FLOATS HELD, 1 BBL BACK TO TRUCK
Event	20	End Job	9/11/2017	13:49:36	USER					GOOD RETURNS THROUGHOUT THE JOB, PIPE WAS NOT RECIPROCATED, 40 BBL OF CEMENT BACK TO SURFACE, LOAD CEMENT FOR NEXT SURFACE JOB.
Event	21	Post-Job Safety Meeting (Pre Rig-Down)	9/11/2017	13:55:00	USER					ALL HES PRESENT
Event	22	Rig-Down Equipment	9/11/2017	14:05:00	USER					ALL HES PRESENT
Event	23	Pre-Convoy Safety Meeting	9/11/2017	15:00:00	USER					ALL HES PRESENT
Event	24	Crew Leave Location	9/11/2017	15:15:00	USER					THANK YOU FOR CHOOSING HALLIBURTON CEMENT, CHRIS SMITH AND CREW