

HALLIBURTON

iCem[®] Service

URSA RESOURCES GROUP II LLC

United States of America, COLORADO

For: URSA

Date: Friday, December 14, 2018

BR C-240 FED 2B-25-2-98 2 Stage Surface PJR

API #: 05-103-12336

Sincerely,

Grand Junction Cement Engineering

1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	PS Pump Press <i>(psi)</i>	DH Density <i>(ppg)</i>	Comb Pump Rate <i>(bbl/min)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Call Out	12/14/2018	01:00:00	USER					SSIII REQUESTED OL @ 00:00 TO RUN MSC. CREW REQUESTED ON LOCATION @ 0700.
Event	2	Pre-Convoy Safety Meeting	12/14/2018	03:15:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	12/14/2018	03:30:00	USER					1 F550, 1 PUMP TRUCK & 1 660 BULK TURCK
Event	4	Arrive at Location from Service Center	12/14/2018	06:15:00	USER					RIG CIRCULATION ON BOTTOM
Event	5	Assessment Of Location Safety Meeting	12/14/2018	06:20:00	USER					MET WITH COMP REP AND WENT OVER NUMBERS AND JOB PROCEDURE. WALKED AROUND LOCATION AND COLLECTED WATER SAMPLE (PH- 7, CHLORIDES-0, TEMP- 71F). COMP REP WAS OFFERED SDS FOR ALL CHEMICLES USED BY HES.
Event	6	Pre-Rig Up Safety Meeting	12/14/2018	07:00:00	USER					ALL HES PRESENT
Event	7	Rig-Up Completed	12/14/2018	09:00:00	USER					HES RIGGED UP EQUIPMENT WITHOUT ENTERING RED ZONE.
Event	8	Pre-Job Safety Meeting	12/14/2018	09:40:00	USER					ALL HES AND RIG CREW PRESENT
Event	9	Start Job	12/14/2018	10:06:00	COM8					TD 3795', TP 3773', SJ 43', OH 13.5'', CSG 9.625'' 36#, MUD 9.3 PPG, ES CEMENTER 1935'. GOOD CIRCULATION PRIOR TO STARTING BOTH STAGES.
Event	10	Prime Pumps	12/14/2018	10:08:17	USER	81.00	8.33	1.00	2.00	8.33 PPG FRESH WATER
Event	11	Test Lines	12/14/2018	10:12:21	COM8	3739.00	8.33	0.50	0.50	ALL LINES HELD PRESSURE AT 3736 PSI
Event	12	Pump Spacer 1	12/14/2018	10:18:02	COM8	145.00	8.33	4.00	20.00	8.33 PPG FRESH WATER (20 BBL)
Event	13	Pump 1st Stage Cement	12/14/2018	10:23:57	COM8	390.00	12.50	8.00	229.00	VERSACEM CEMENT 654 SKS (229 BBLS), 12.5 PPG, 1.96 FT3/SK, 10.18 GAL/SK

Event	14	Check Weight	12/14/2018	10:28:57	COM8					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	15	Shutdown	12/14/2018	10:55:00	USER					END OF CMT
Event	16	Drop 1st Stage Plug	12/14/2018	11:00:02	USER					PLUG WENT, HES MANUALLY PUSHED THE PLUG PAST THE PIN, VERIFIED BY CO REP
Event	17	Pump Displacement	12/14/2018	11:01:10	COM8	917.00	9.3	7.00	278.50	9.3 PPG WATER BASED MUD (130), 8.34 PPG FRESH WATER (30 BBLs), 9.3 PPG WATER BASED MUD (128.5)
Event	18	Slow Rate	12/14/2018	11:22:37	USER	800.00	9.3	4.00	10.00	SLOW RATE TO 4 BPM FOR 1ST STAGE PLUG TO PASS THROUGH THE MSC.
Event	19	Bump Plug	12/14/2018	11:44:37	COM8	1597.00	9.3	4.00	288.50	LAND PLUG AT 800 PSI, BROUGHT UP TO 1595 PSI
Event	20	Check Floats	12/14/2018	11:47:44	USER	1597.00	9.3	0.00	288.50	FLOATS HELD, 1.5 BBL BACK TO TRUCK
Event	21	Drop Opening Device For Multiple Stage Cements	12/14/2018	11:53:17	USER					DROP OPENING DEVICE AND WAIT 15 MIN. LOAD SECOND STAGE CLOSING PLUG
Event	22	Open Multiple Stage Cements	12/14/2018	12:11:21	COM8	350.00	9.33	2.00	10.00	HES CIRCULATE THROUGH MULTI STAGE CEMENTER FOR 10 BBL @ 450 PSI.
Event	23	Rig Circulate Well	12/14/2018	12:16:20	USER					RIG CIRCULATED THROUGH MULTISTAGE CEMENTER FOR 3.5 HRS AT 8 BPM 90 BBL OF CEMENT TO SURFACE.
Event	24	Clean Lines	12/14/2018	12:17:32	USER					WASH UP PUMPS AND LINES
Event	25	Prime Pumps	12/14/2018	15:47:16	USER					8.33 PPG FRESH WATER
Event	26	Pump Spacer 1	12/14/2018	15:51:18	COM8	135.00	8.33	4.00	20.00	8.33 PPG FRESH WATER (20 BBL)
Event	27	Pump 2nd Stage Cement	12/14/2018	15:59:59	COM8	350.00	12.3	8.00	245.00	VARICEM CEMENT 561 SKS (245 BBLs) 12.3 PPG, 2.45 FT3/SK, 14.18 GAL/SK
Event	28	Check Weight	12/14/2018	16:04:07	COM8					WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	29	Shutdown	12/14/2018	16:31:35	USER					END OF CEMENT
Event	30	Drop 2nd Stage Closing Plug	12/14/2018	16:36:44	USER					PLUG WENT, VERIFIED BY CO REP
Event	31	Pump Displacement	12/14/2018	16:37:35	COM8	800.00	9.33	10.00	138.60	8.34 PPG FRESH WATER (149.6 BBLs)
Event	32	Slow Rate	12/14/2018	16:55:09	USER	520.00	8.33	4.00	10.00	SLOW RATE TO 4 BPM PER CO REP TO LAND PLUG

Event	33	Bump Plug	12/14/2018	16:57:00	USER	1596.00	8.33	4.00	148.60	LAND PLUG AT 500 PSI, BROUGHT UP TO 1600 PSI TO CLOSE MLTI STAGE CEMENTER.
Event	34	Close Multiple Stage Cementer	12/14/2018	17:03:41	COM8	1830.00	8.33	0.00	148.50	CUSTOMER REQUESTED WE BUMP IT AGAIN AND HES PUT 1800 PSI ON THE MSC. IT APPREARED TO BE CLOSED.
Event	35	Check Tool/ Floats	12/14/2018	17:06:39	USER					TOOL/ FLOATS HELD, 1 BBL BACK TO TRUCK
Event	36	End Job	12/14/2018	17:07:48	USER					RETURNS THROUGHOUT, PIPE WAS NOT RECIPROCATED, 90 BBL OF CEMENT TO SURFACE ON FIRST STAGE, 80 BBL TO SURFACE ON SECOND STAGE. RIG FELT THEY GOT CMT IN THIER PITS AND TOOK 100 LBS OF SUGAR, SERVICE SUPERVISOR III ON LOCATON 17 HRS TO RUN THE TOOL AND SUPERVISE THE JOB.
Event	37	Post-Job Safety Meeting (Pre Rig-Down)	12/14/2018	17:15:00	USER					ALL HES PRESENT
Event	38	Rig-Down Completed	12/14/2018	18:00:00	USER					ALL HES PRESENT
Event	39	Pre-Convoy Safety Meeting	12/14/2018	18:30:00	USER					ALL HES PRESENT
Event	40	Crew Leave Location	12/14/2018	18:45:00	USER					THANK YOU FOR CHOOSING HALLIBURTON CEMENT, CHRIS SMITH AND CREW