

# HALLIBURTON

iCem<sup>®</sup> Service

## **URSA RESOURCES GROUP**

**For: Hans Wychgram**

Date: Saturday, June 11, 2016

**TOMPKINS 31D-08-07-95 Surface**

**API#05-045-22483-00**

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	6/11/2016	11:30:00	USER					REQUESTED ON LOCATION @ 1700
Event	2	Pre-Convoy Safety Meeting	6/11/2016	13:00:00	USER					ALL HES PRESENT
Event	3	Crew Leave Yard	6/11/2016	13:10:00	USER					1 F550, 1 PUMP TRUCK & 1 TRACTOR WITH COMPRESSOR
Event	4	Arrive at Location from Service Center	6/11/2016	15:00:00	USER					RIG RUNNING CASING
Event	5	Assessment Of Location Safety Meeting	6/11/2016	15:15:00	USER					MET WITH COMP REP, NATE GILL, AND WENT OVER NUMBERS AND JOB PROCEDURE. WALKED AROUND LOCATION AND COLLECTED WATER SAMPLE (PH- 7, CHLORIDES- 125, TEMP- 70F). COMP REP WAS OFFERED SDS FOR ALL CHEMICLES USED BY HES.
Event	6	Pre-Rig Up Safety Meeting	6/11/2016	15:45:00	USER					ALL HES PRESENT
Event	7	Rig-up Lines	6/11/2016	16:00:00	USER					HES RIGGED UP EQUIPMENT WITHOUT ENTERING RED ZONE.
Event	8	Pre-Job Safety Meeting	6/11/2016	17:44:16	USER					ALL HES AND RIG CREW PRESENT
Event	9	Start Job	6/11/2016	20:10:00	USER					TD 1830', TP 1810', SJ 44', OH 12.25'', CSG 8.625'' 32#, MUD 9.5 PPG
Event	10	Prime Pumps	6/11/2016	20:12:00	USER	94.00	8.34	1.70	0.3	8.33 PPG FRESH WATER
Event	11	Test Lines	6/11/2016	20:15:30	COM6	2802.00	8.40	0.00	1.5	ALL LINES HELD PRESSURE AT 2802 PSI
Event	12	Pump Spacer 1	6/11/2016	20:19:20	COM6	95.00	8.33	2.00	0.8	8.33 PPG FRESH WATER (20 BBL)
Event	13	Check weight	6/11/2016	20:21:56	COM6	91.00	8.33	1.90	5.8	WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	14	Pump Lead Cement	6/11/2016	20:27:47	COM6	228.00	12.28	4.90	2.7	VARICEM CEMENT 280 SKS (122.7 BBLS), 12.3 PPG, 2.46 FT3/SK, 14.17 GAL/SK

Event	15	Check weight	6/11/2016	20:35:13	COM6	342.00	12.52	8.00	53.5	WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	16	Pump Tail Cement	6/11/2016	20:45:06	COM6	350.00	12.98	8.00	5.6	VARICEM CEMENT 120 SKS (46.6 BBLs), 12.8 PPG, 2.18 FT3/SK, 12.11 GAL/SK.
Event	17	Check weight	6/11/2016	20:47:27	COM6	350.00	12.9	8.00	24.3	WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES
Event	18	Shutdown	6/11/2016	20:52:53	USER	38.00	12.9	0.00	52.9	WASH UP PUMPS AND LINES ON TOP OF PLUG
Event	19	Drop Top Plug	6/11/2016	20:56:36	USER					PLUG WENT VERIFIDE BY CO REP
Event	20	Pump Displacement	6/11/2016	20:57:41	COM6	43.00	8.36	1.70	0.0	8.34 PPG FRESH WATER (107.6 BBLs)
Event	21	Slow Rate	6/11/2016	21:13:01	USER	598.00	8.34	8.00	97.9	SLOW RATE TO 4 BPM WITH PRESSURE, SLOW RATE TO 4 BPM PER CO REP TO LAND PLUG
Event	22	Bump Plug	6/11/2016	21:16:41	COM6	1182.00	8.36	0.00	111.2	LAND PLUG AT 470 PSI, BROUGHT UP TO 1190 PSI
Event	23	Check Floats	6/11/2016	21:18:59	USER	1196.00	8.36	0.00	111.2	FLOATS HELD, 1 BBL BACK TO TRUCK
Event	24	End Job	6/11/2016	21:21:00	USER	36.00	8.34	0.00	111.2	RETURNS THROUGHOUT JOB, PIPE WAS NOT RECIPROCATED DURING THE JOB, 20 BBL OF CEMENT BACK TO SURFACE
Event	25	Post-Job Safety Meeting (Pre Rig-Down)	6/11/2016	21:45:00	USER					ALL HES PRESENT
Event	26	Rig Down Equipment	6/11/2016	22:00:00	USER					ALL HES PRESENT
Event	27	Pre-Convoy Safety Meeting	6/11/2016	22:55:00	USER					ALL HES PRESENT
Event	28	Crew Leave Location	6/11/2016	23:00:00	USER					THANK YOU FOR CHOOSING HALLIBURTON CEMENT, CHRIS SMITH AND CREW