

HALLIBURTON

iCem[®] Service

CIVITAS RESOURCES-EBUS

Ft. Lupton District, Colorado

For: Josh Johnson

Date: Thursday, November 6, 2025

Civitas 5.5" Production Huron 5-65 13-18-17 1AH

Job Date: Thursday, November 6, 2025

Sincerely,

Jacob Chavez and Crew

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1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Civitas 5.5" Production Huron 5-65 13-18-17 1AH**. A pre-job safety meeting was held before the job where details of the job were discussed, potential safety hazards were reviewed, and environmental compliance procedures were outlined.

- **Quality of circulation – 100% THROUGHOUT JOB**
- **Final Circulating Pressure and Pump Rate 2450 Psi 4 bbl/min**
- **Returns to Surface 50 BBL OF CEMENT**
- **Any deviation from plan- PUMPED AS PLANNED**
- **Abnormalities on job chart- NONE**

Halliburton maintains a continuous quality improvement process and appreciates any comments or suggestions that you may have. Halliburton again thanks you for the opportunity to perform service work on this well. We hope to be your solutions provider for future projects.

Respectfully,

Halliburton Rockies Cement Team

1.1 Job Overview

API #:	05-005-07586
City, County:	Watkins, Arapahoe
SO#:	910434195

Job Times		
	Date (mm/dd/yyyy)	Time (hh:mm)
Requested Time On Location:	11/5/2025	23:00
Called Out Time:	11/5/2025	17:00
Arrived On Location:	11/5/2025	22:00
Job Started:	11/6/2025	07:06
Job Completed:	11/6/2025	10:23
Departed Location:	11/6/2025	11:30

	Description	Units	Value
1	Surface temperature at the time of the job	Degrees	50
2	Mud type (OBM, WBM, Synthetic, Water, Brine)	-	OBM
3	Mud density	ppg	9.2
4	Casing set depth (shoe)	ft	21788
5	TVD	ft	7775
6	Float collar depth	ft	21783
7	Length of rate hole	ft	7
8	Previous casing shoe depth	ft	3642
9	Pre-job mud circulation time	hh:mm	01:00

10	Pre-job mud circulation rate	bpm	11
11	Pre-job mud circulation volume	bbls	900
12	Mud circulation pressure at start of cement	psi	1100
13	Annual flow before the start of job	Y/N	Y
14	Pipe movement during cement job	Y/N	Y
15	Calculated displacement	bbls	483.1
16	Job displaced by	Rig/HES	HES
17	Estimated returns % during job	%	100
18	Fluid returns to surface	Spacer/Cement, bbls	50 BBL CEMENT
19	Final circulation pressure, rate prior to plug bump	psi @ bpm	2450 PSI 4BBL/MIN
20	Number of Centralizers	-	250
21	Number of bottom plugs	-	1
22	Number of trucks used preparing/during job	-	5
23	Add hours? If Yes, put #	Y/N and hours	4
24	NPT? If Yes, put #	Y/N and hours	N

	Recorded Value	Unit	Acceptable Limit	Potential Problems if Values Exceed the Limit
pH	7.0		6.0 - 8.0	Chemicals in water can cause severe retardation
Temperature	60	F	60 - 80 F	Can can pre-mature setting of cement
Chlorides	~100	ppm	3000 ppm	Can shorten thickening time

Stage 1

	Density (ppg)	Volume (bbbls)	Yield (ft3/sk)	Water Requirement (gal/sk)	Bulk Sacks (sks)	Total Water (gals)
Spacer Fluid	11.5	120	2.57	16.38	262.17	4294
Cap Cement	13	171.3	1.59	7.71	605	4664
Lead Cement	13	167.8	1.52	7.11	620	4408
Tail Cement	13.2	626.1	1.78	8.5	1975	16787
Top Plug	1					
Displacement Fluid	H2O	483.1				20290

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq No.	Activity	Graph Label	Date	Time	Source	Pump A Pressure (psi)	Dnwhol e Density (ppg)	Cmb Pump Rate (bbl/mi n)	Cmb Stg Total (bbl)	Comments
Event	1	Call Out	Call Out	11/5/2025	17:00:00	USER					CREW CALLED OUT FOR FOR JOB.
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	11/5/2025	20:55:00	USER					PRE-CONVOY SAFETY MEETING AT HES LOCATON TO DISCUSS ROUTE AND DRIVING HAZARDS.
Event	3	Crew Leave Yard	Crew Leave Yard	11/5/2025	21:00:00	USER					CREW DEPARTS HALLIBURTON FACILITIES FOR LOCATION.
Event	4	Arrive At Loc	Arrive At Loc	11/5/2025	22:00:00	USER					MET WITH CO MAN TO DISCUSS JOB. TD-21795' 8.5" OH, TP-21788' 5.5" 20# P-110, FC-21783', PC-3642' 9/58 36# J55, TVD-7775', 9.2 PPG OBM. 1 BTM PLUGS 1 TOP.

											WATER 60* 7.0 PH, 0 CHLORIDES.
Event	5	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	11/5/2025	22:05:00	USER					PRE-RIG UP SAFTEY MEETING WITH ALL HES EMPLOYEES TO DISCUSS HAZARDS OF LOCATION AND DISCUSS RIG UP SEQUENCE.
Event	6	Rig-up Lines	Rig-up Lines	11/5/2025	22:10:00	USER					RIG UP PUMPS AND LINES.
Event	7	Pre-Job Safety Meeting	Pre-Job Safety Meeting	11/6/2025	01:00:00	USER	35.14	0.04	0.00	0.00	SAFTEY NMEETING WITH HES, COMPANY MAN, AND RIG HANDS.
Event	8	Start Job	Start Job	11/6/2025	07:06:59	NONE	36.73	0.06	0.00	0.00	START JOB DATA RECORDING.
Event	9	Other	Fill Lines	11/6/2025	07:07:00	USER	36.73	0.06	0.00	0.00	FILL LINES WITH 3BBLS OF FW.
Event	10	Test Lines	Test Lines	11/6/2025	07:08:08	NONE	171.17	8.39	0.00	1.42	PRESSURE TESTED LINES TO 5500 PSI, 500 EKO TEST AT 600 PSI, 5TH GEAR STALL AT 2700 PSI.

Event	11	Drop Bottom Plug	Drop Bottom Plug	11/6/2025	07:12:41	NONE	113.12	8.35	0.00	1.48	PLUG LEFT PLUG CONTAINER, VERIFIED BY COMPANY MAN.
Event	12	Pump Spacer 1	Pump Spacer 1	11/6/2025	07:12:46	NONE	112.66	8.35	0.00	0.00	PUMPED 120 BBLS OF 11.5 PPG TUNED SPACER. 2.57 CUFT/SK AND 16.38GAL/SK VERIFIED WEIGHT WITH PRSSURIZED MUD SCALES.
Event	13	Pump Cap Cement	Pump Lead Cement	11/6/2025	07:34:12	NONE	513.84	12.70	10.37	0.17	PUMPED 171.3 BBLS OF 13 PPG ELASTI CEM 605 SKS 1.59 CUFT/SK, 7.71 GAL/SK. VERIFIED BY PRESSURISED MUD SCALES. TOC ESTIMATED AT SURFACE.
Event	14	Pump Lead Cement	Pump Lead Cement	11/6/2025	07:52:27	NONE	1058.76	12.94	10.33	0.17	PUMPED 167.8 BBLS OF 13 PPG ISOBOND 620 SKS 1.52 CUFT/SK, 7.11 GAL/SK. VERIFIED BY PRESSURISED MUD SCALES. TOC ESTIMATED AT 2525'.

Event	15	Pump Tail Cement	Pump Tail Cement	11/6/2025	08:11:05	NONE	1171.16	12.99	10.41	0.17	PUMPED 626.1 BBLS OF 13.2 PPG ELASTICEM 1975 SKS 1.78 CUFT/SK, 8.50 GAL/SK. VERIFIED BY PRESSURISED MUD SCALES. TOC ESTIMATED AT 6443'.
Event	16	Shutdown	Shutdown	11/6/2025	09:25:00	USER	87.32	8.38	2.54	9.30	SHUTDOWN TO DROP TOP PLUG.
Event	17	Clean Lines	Clean Lines	11/6/2025	09:26:00	USER	74.79	8.22	2.52	11.84	CLEAN PUMPS AND LINES WITH 10 BBL FRESH WATER
Event	18	Drop Top Plug	Drop Top Plug	11/6/2025	09:28:23	NONE	65.94	8.21	0.00	15.29	PLUG LEFT PLUG CONTAINER, VERIFIED BY COMPANY MAN.
Event	19	Pump Displacement	Pump Displacement	11/6/2025	09:28:26	NONE	65.44	8.21	0.00	0.00	BEGIN PUMPING DISPLACEMENT, 483.1 BBLS FRESH WATER, FIRST 20 BBLS OF DISPLACEMENT WITH 10-GAL MMCR, 10 GAL OF BIOCIDES THROUGHOUT THE REST OF DISPLACEMENT.
Event	20	Other	Other	11/6/2025	10:21:05	NONE	3046.00	8.36	4.02	499.23	PRESSURE UP AND PUMP 5BBL WET SHOE

Event	21	Other	Check Floats	11/6/2025	10:22:20	NONE	2329.65	8.35	0.00	503.81	CHECK FLOATS, REALESED PRESSURE BACK TO TRUCK, 3.5 BBL BACK.
Event	22	End Job	End Job	11/6/2025	10:23:26	NONE	93.23	8.23	0.00	0.00	END JOB DATA RECORDING
Event	23	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	11/6/2025	12:00:00	USER					PRE-RIG DOWN SAFTEY MEETING TO DISCUSS HAZRDS OF LOCATION AND SEQUENCE OF RIG DOWN.
Event	24	Rig Down Lines	Rig Down Lines	11/6/2025	12:05:00	USER					RIG DOWN PUMPS AND LINES.
Event	25	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	11/6/2025	12:10:00	USER					PRE-CONVOY SAFETY MEETING ON LOCATON TO DISCUSS ROUTE AND DRIVING HAZARDS.
Event	26	Crew Leave Location	Crew Leave Location	11/6/2025	12:15:00	USER					CREW DEPARTS LOCATION, THANK YOU FOR CHOOSING HES. JACOB CHAVEZ AND CREW.

3.0 Attachments

3.1 job chart.png

