



Caerus Operating LLC

LONG STRING POST JOB REPORT

BJU B26 FED #11A-26-496 05-045-24437
S:26 T:4S R:96W Garfield CO

CallSheet #: 82604
Proposal #: 61799



LONG STRING Post Job Report

Attention: Mr. Cole Walton | (720) 880-6325 | cwalton@caerusoilandgas.com

Caerus Operating LLC

1001 17TH STREET | DENVER, CO 80202

Dear Mr. Cole Walton,

Thank you for the opportunity to provide cementing services on this well. American Cementing strives to achieve complete customer satisfaction. If you have any questions regarding the services or data provided, please contact American Cementing at any time.

Sincerely,

Krystal Schell

Field Engineer I | (719) 992-1830 | krystal.schell@americacementing.com

Field Office 28730 US-6, Rifle, CO 81650
Phone: (970) 657-1157

Job Details & Summary

Geometry

Type	Function	OD (in)	ID (in)	Weight (lb/ft)	Thread	Top (ft)	Bottom (ft)	Excess (%)
Casing	Outer	9.625	8.921	36	n/a	0	3003	0
Open Hole	Outer	n/a	8.75	n/a	n/a	3000	7095	25
Open Hole	Outer	n/a	8.75	n/a	n/a	7095	12098	0
Casing	Inner	4.5	4	11.6	n/a	0	12084.19	0

Equipment / People

Unit Type	Unit	Power Unit	Employee #1
AS Cement Trailer Float	CTF-9309	TRC(TRB)-115	Wall, Lynn
AS Cement Trailer Float	CTF-9299	TRC(TRB)-115	Wall, Lynn
AS Cement Trailer Float	CTF-9898	TRC(TRB)-090	Martin, Chuck
Field Storage Silo	FSS(CTS)-469		
Field Storage Silo	FSS(CTS)-468		
Cement Trailer Float	CTF-579	TRC(TRB)-053	Martin, Chuck
AS Cement Trailer Float	CTF-7145	TRH(TRB)-769	Martin, Chuck
Cement Pump Float	CPF-058	TRH-959	Hale, Jason
Light Duty Vehicles	LDV-063		Castillo, Francisco

Timing

Event	Date/Time
Call Out	7/26/2022 12:00
Depart Facility	7/26/2022 13:00
On Location	7/26/2022 14:20
Rig Up Iron	7/26/2022 14:30
Job Started	7/26/2022 22:04
Job Completed	7/27/2022 00:53
Rig Down Iron	7/27/2022 01:05
Depart Location	7/27/2022 02:00

General Job Information

Metrics	Value
Well Fluid Density	11 lb/gal
Well Fluid Type	WBM
Rig Circulation Vol	1200 bbls
Rig Circulation Time	2 hours
Calculated Displacement	186 bbls
Actual Displacement	186 bbls
Total Spacer to Surface	0 bbls
Total CMT to Surface	0 bbls
Well Topped Out	N/A

Job Details

Metrics	Value
Flare Prior to Job	No
Flare Prior to Job	0 units
Flare During Job	No
Flare During Job	0 units
Flare at End of Job	No
Flare at End of Job	0 units
Well Full Prior to Job	Yes
Well Fluid Density Into Well	11 lb/gal
Well Fluid Density Out of Well	11 lb/gal

Job Details (cont.)

Metrics	Value
BHCT	215 °F
BHST	282 °F

Water Analysis

Metrics	Value	Recommended
Water Source	Upright Rig Tank	
Temperature	77 °F	50-80 °F
pH Level	7	5.5-8.5
Chlorides	0 mg/L	0-3000 mg/L
Total Alkalinity	240	0-1000
Total Hardness	250 mg/L	0-500 mg/L
Carbonates	0 mg/L	0-100 mg/L
Sulfates	200 mg/L	0-1500 mg/L
Potassium	250 mg/L	0-3000 mg/L
Iron	0 mg/L	0-300 mg/L

Circulation

Lost Circulation Experienced	Losses into Spacer	Losses into Cement	Losses into Displacement
Yes	N/A	N/A	N/A

Circulation Details

STARTED PARASITE AIR AT THE BEGINNING OF MUD FLUSH SPACER, GOT RETURNS 68 BBLS INTO SCAVENGER, SHUT PARASITE AIR 100 BBLS INTO TAIL, LOST RETURNS 136 BBLS INT TAIL.

Job Execution Information

Fluid	Product	Function	Density (lb/gal)	Yield (ft ³ /sk)	Water Rq. (gal/sk)	Water Rq. (gal/bbl)	Volume (sks)	Volume (bbl)	Designed Top (ft)
1	Mud Flush	Flush	8.45			40.86		20.00	653
2	Scavenger	Scavenger	11.50	2.76	16.68		235.00	115.48	1000
3	Lead	Lead	12.70	2.00	11.00		735.00	262.08	3000
4	Tail	Tail	13.50	2.00	9.66		828.00	295.00	6829
5	Water + KCL Sub	DisplacementFinal	8.34			42.00		186.00	0

Job Fluid Details

Fluid	Type	Fluid	Product	Function	Conc.	Uom
1	Flush	Mud Flush	SAPP	Surfactant	10.00	lb/bbl
1	Flush	Mud Flush	SS-201	Surfactant	0.50	gal/bbl
2	Scavenger	Scavenger	ASTM TYPE I/II	Cement	100.00	%
2	Scavenger	Scavenger	BA-60	GasMigration	0.30	%BWOB
2	Scavenger	Scavenger	FP-24	Defoamer	0.30	%BWOB
2	Scavenger	Scavenger	GW-86	Viscosifier	0.20	%BWOB
2	Scavenger	Scavenger	IntegraSeal PHENO	LostCirculation	3.00	lb/sk
2	Scavenger	Scavenger	R-3	Retarder	0.50	%BWOB
2	Scavenger	Scavenger	STATIC FREE	Other	0.01	lb/sk
3	Lead	Lead	ASTM TYPE I/II	Cement	100.00	%
3	Lead	Lead	BA-60	GasMigration	0.30	%BWOB
3	Lead	Lead	FL-66	FluidLoss	0.50	%BWOB
3	Lead	Lead	FP-24	Defoamer	0.30	%BWOB
3	Lead	Lead	GW-86	Viscosifier	0.10	%BWOB
3	Lead	Lead	IntegraSeal PHENO	LostCirculation	3.00	lb/sk
3	Lead	Lead	R-3	Retarder	0.30	%BWOB
3	Lead	Lead	STATIC FREE	Other	0.01	lb/sk
4	Tail	Tail	CLASS G	Cement	70.00	%
4	Tail	Tail	FLY ASH (POZZOLAN)	Extender	30.00	%
4	Tail	Tail	BA-60	GasMigration	0.20	%BWOB

Fluid	Type	Fluid	Product	Function	Conc.	Uom
4	Tail	Tail	BENTONITE	Viscosifier	8.00	%BWOB
4	Tail	Tail	FL-24	FluidLoss	0.40	%BWOB
4	Tail	Tail	FP-24	Defoamer	0.30	%BWOB
4	Tail	Tail	IntegraSeal PHENO	LostCirculation	3.00	lb/sk
4	Tail	Tail	R-3	Retarder	0.25	%BWOB
4	Tail	Tail	S-8	StrengthRetrogression	25.00	%BWOB

Job Logs

Line	Event	Date (MM/DD/YY)	Time (HH:MM)	Density (lb/gal)	Pump Rate (bpm)	Pump Volume (bbls)	Pipe Pressure (psi)	Comment
1	CALLOUT	7/26/2022	12:00					ON LOCATION AT 17:00 HRS
2	LEAVE YARD	7/26/2022	13:00					CREW LEAVES THE YARD
3	ON LOCATION	7/26/2022	14:20					CREW ON LOCATION
4	RIG UP	7/26/2022	14:30					RIG UP MEETING, RIG UP
5	SAFETY MEETING	7/26/2022	21:41					PRE-JOB SAFETY MEETING
6	PRESSURE TEST	7/26/2022	22:00				5400	PRESSURE TEST LINES
7	PUMP SPACER	7/26/2022	22:04	8.9	6	20	775	MUD FLUSH SPACER, PARASITE AIR
8	SCAVENGER	7/26/2022	22:08	11.5	6	58	681	SCAV 235 SKS/116 BBLS AT 11.5 PPG
9	SCAVENGER	7/26/2022	22:17	11.5	6	58	413	116 BBLS SCAVENGER PUMPED, GOT RETURNS AT 68 BBLS
10	LEAD CEMENT	7/26/2022	22:28	12.7	6	50	517	LEAD 735 SKS/262 BBLS AT 12.7 PPG
11	LEAD CEMENT	7/26/2022	22:36	12.7	6	50	521	100 BBLS LEAD CEMENT PUMPED
12	LEAD CEMENT	7/26/2022	22:45	12.7	6	50	509	150 BBLS LEAD CEMENT PUMPED
13	LEAD CEMENT	7/26/2022	22:53	12.7	6	50	513	200 BBLS LEAD CEMENT PUMPED
14	LEAD CEMENT	7/26/2022	23:01	12.7	6	62	525	262 BBLS LEAD CEMENT PUMPED
15	TAIL CEMENT	7/26/2022	23:16	13.5	6	50	575	828 SKS/295 BBLS AT 13.5 PPG
16	TAIL CEMENT	7/26/2022	23:25	13.5	6	50	613	100 BBLS TAIL CEMENT PUMP, SHUT PARASITE AIR, LOST RETURNS AT 136 BBLS
17	TAIL CEMENT	7/26/2022	23:33	13.5	6	50	703	150 BBLS TAIL CEMENT PUMPED
18	TAIL CEMENT	7/26/2022	23:41	13.5	6	50	767	200 BBLS TAIL CEMENT PUMPED
19	TAIL CEMENT	7/26/2022	23:50	13.5	6	95	787	295 BBLS TAIL CEMENT PUMPED
20	SHUTDOWN	7/27/2022	00:14					WASH PUMP AND LINES, DROP PLUG
21	DISPLACEMENT	7/27/2022	00:20	8.34	6.5	50	755	DISPLACEMENT WATER + RESCARE
22	DISPLACEMENT	7/27/2022	00:29	8.34	6.5	50	1597	100 BBLS DISPLACEMENT PUMPED
23	DISPLACEMENT	7/27/2022	00:37	8.34	6.5	76	2517	176 BBLS DISPLACEMENT PUMPED
24	SLOW RATE	7/27/2022	00:49	8.34	4	10	2476	SLOW RATE
25	LAND PLUG	7/27/2022	00:53				3450	LAND PLUG
26	CHECK FLOATS	7/27/2022	00:56					FLOATS HELD, 2.5 BBLS FLOW BACK
27	RIG DOWN	7/27/2022	01:05					RIG DOWN MEETING, RIG DOWN
28	LEAVE LOCATION	7/27/2022	02:00					CREW LEAVE LOCATION
29	OTHER	7/27/2022	02:01					517 BBLS MUD RETURNS

Pump Diagrams

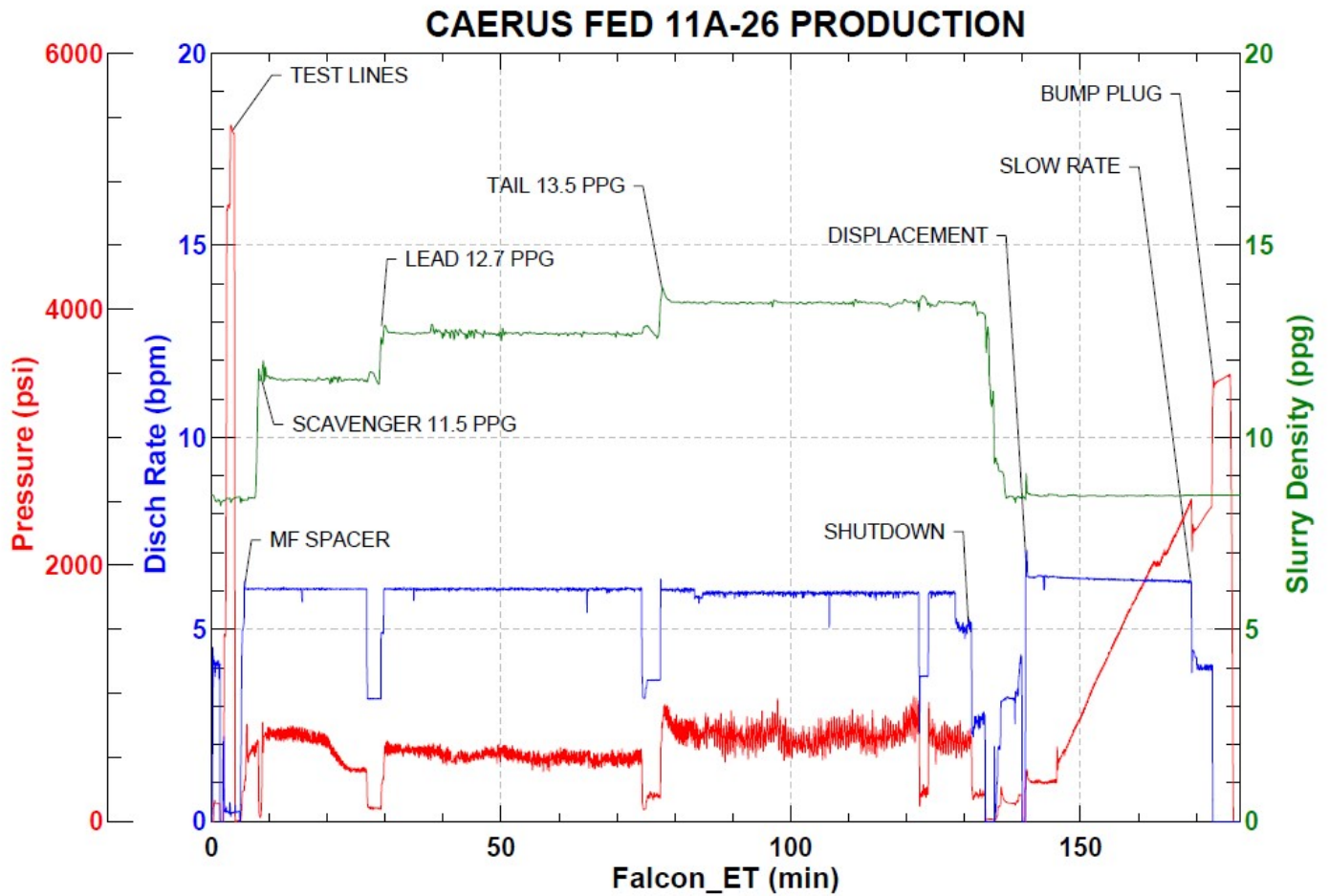


JobMaster Program Version 5.01C1

Job Number: 82604

Customer: CAERUS

Well Name: FED 11A-26



Job Start: Tuesday, July 26, 2022