



Caerus Operating LLC

LONG STRING POST JOB REPORT

BJU G35 FED #14C-35-496 05-045-24340
S:35 T:4S R:96W Garfield CO

CallSheet #: 80902
Proposal #: 58996



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,

Michael Harold

Field Engineer II | (970) 773-3636 | michael.harold@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	3027	0
Open Hole	Outer	n/a	8.75	n/a	n/a	3000	6806	25
Open Hole	Outer	n/a	8.75	n/a	n/a	6806	11909	0
Casing	Inner	4.5	4	11.6	n/a	0	11891.13	0

Equipment / People

Unit Type	Unit	Power Unit	Employee #1	Employee #2
Field Storage Silo	FSS(CTS)-469			
Field Storage Silo	FSS(CTS)-468			
AS Cement Trailer	CTF-138	TRC(TRB)-202		
AS Cement Trailer	CTF-048	TRC(TRB)-194		
AS Cement Trailer	CTF(FTF)-148	TRC(TRB)-194		
AS Cement Trailer	CTF-7145	TRC(TRB)-202		
Cement Trailer	CTF-385	TRB-421	Bonin, Matthew	Bradbrook, Jeremy
Cement Pump	CPF-052	TRH-957	Richey, Steven	
Light Duty Vehicles	LDV-063		Castillo, Francisco	

Timing

Event	Date/Time
Call Out	4/11/2022 04:00
Depart Facility	4/11/2022 06:15
On Location	4/11/2022 07:30
Rig Up Iron	4/11/2022 07:55
Job Started	4/11/2022 10:17
Job Completed	4/11/2022 13:13
Rig Down Iron	4/11/2022 13:30
Depart Location	4/11/2022 14:30

General Job Information

Metrics	Value
Well Fluid Density	10.3 lb/gal
Well Fluid Type	WBM
Rig Circulation Vol	1500 bbls
Rig Circulation Time	2.5 hours
Calculated Displacement	183 bbls
Actual Displacement	183 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	10.5 lb/gal
Well Fluid Density Out of Well	10.5 lb/gal

Job Details (cont.)

Metrics	Value
BHCT	207 °F
BHST	271 °F

Water Analysis

Metrics	Value	Recommended
Water Source	None	
Temperature	55 °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

LOST RETURNS AFTER SHUTING PARASITE AIR 160 BBLs INTO 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	658
2	Scav Cement	Scavenger	11.50	2.76	16.68		235.00	115.48	1005
3	Lead Cement	Lead	12.70	2.00	11.00		730.00	260.30	3000
4	Tail Cement	Tail	13.50	2.00	9.66		802.00	285.20	6806
5	Water + KCL Sub	DisplacementFinal	8.34			42.00		183.00	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	Scav Cement	ASTM TYPE I/II	Cement	100.00	%
2	Scavenger	Scav Cement	BA-60	GasMigration	0.30	%BWOB
2	Scavenger	Scav Cement	FP-24	Defoamer	0.30	%BWOB
2	Scavenger	Scav Cement	GW-86	Viscosifier	0.20	%BWOB
2	Scavenger	Scav Cement	IntegraSeal PHENO	LostCirculation	3.00	lb/sk
2	Scavenger	Scav Cement	R-3	Retarder	0.50	%BWOB
2	Scavenger	Scav Cement	STATIC FREE	Other	0.01	lb/sk
3	Lead	Lead Cement	ASTM TYPE I/II	Cement	100.00	%
3	Lead	Lead Cement	BA-60	GasMigration	0.30	%BWOB
3	Lead	Lead Cement	FL-66	FluidLoss	0.50	%BWOB
3	Lead	Lead Cement	FP-24	Defoamer	0.30	%BWOB
3	Lead	Lead Cement	GW-86	Viscosifier	0.10	%BWOB
3	Lead	Lead Cement	IntegraSeal PHENO	LostCirculation	3.00	lb/sk
3	Lead	Lead Cement	R-3	Retarder	0.30	%BWOB
3	Lead	Lead Cement	STATIC FREE	Other	0.01	lb/sk
4	Tail	Tail Cement	CLASS G	Cement	70.00	%
4	Tail	Tail Cement	FLY ASH (POZZOLAN)	Extender	30.00	%
4	Tail	Tail Cement	BA-60	GasMigration	0.20	%BWOB
4	Tail	Tail Cement	BENTONITE	Viscosifier	8.00	%BWOB
4	Tail	Tail Cement	FL-24	FluidLoss	0.40	%BWOB
4	Tail	Tail Cement	FP-24	Defoamer	0.30	%BWOB
4	Tail	Tail Cement	IntegraSeal PHENO	LostCirculation	3.00	lb/sk
4	Tail	Tail Cement	R-3	Retarder	0.25	%BWOB
4	Tail	Tail Cement	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	4/11/2022	04:00					ON LOCATION AT 08:00 HRS
2	LEAVE YARD	4/11/2022	06:15					CREW LEAVE THE YARD
3	ON LOCATION	4/11/2022	07:30					CREW ON LOCATION
4	RIG UP	4/11/2022	07:55					RIG UP MEETING, RIG UP
5	SAFETY MEETING	4/11/2022	09:41					PRE-JOB SAFETY MEETING
6	PRESSURE TEST	4/11/2022	10:13				5000	PRESSURE TEST LINES
7	PUMP SPACER	4/11/2022	10:17	9	5	20	173	MUD FLUSH SPACER
8	SCAVENGER	4/11/2022	10:25	11.5	5.5	58	279	SCAV 235 SKS/116 BBLS AT 11.5 PPG, GOT RETURNS 11 BBLS INTO SCAVENGER
9	SCAVENGER	4/11/2022	10:34	11.5	5.5	58	271	116 BBLS SCAVENGER PUMPED
10	LEAD CEMENT	4/11/2022	10:48	12.7	6.5	50	489	LEAD 730 SKS/260 BBLS AT 12.7 PPG, CALCULATED TOP OF LEAD 1,985'
11	LEAD CEMENT	4/11/2022	10:56	12.7	6.5	50	459	100 BBLS LEAD CEMENT PUMPED
12	LEAD CEMENT	4/11/2022	11:04	12.7	6.5	50	471	150 BBLS LEAD CEMENT PUMPED
13	LEAD CEMENT	4/11/2022	11:11	12.7	6.5	50	473	200 BBLS LEAD CEMENT PUMPED
14	LEAD CEMENT	4/11/2022	11:19	12.7	6.5	60	477	260 BBLS LEAD CEMENT PUMPED
15	TAIL CEMENT	4/11/2022	11:29	13.5	6.5	50	615	TAIL 802 SKS/285 BBLS AT 13.5, CALCULATED TOP OF TAIL 6,681'
16	TAIL CEMENT	4/11/2022	11:36	13.5	6.5	50	663	100 BBLS TAIL CEMENT PUMPED, SHUT PARASITE AIR
17	TAIL CEMENT	4/11/2022	11:44	13.5	6.5	50	665	150 BBLS TAIL CEMENT PUMPED, AT 160 BBLS LOST RETURNS
18	TAIL CEMENT	4/11/2022	11:52	13.5	6.5	50	671	200 BBLS TAIL CEMENT PUMPED
19	TAIL CEMENT	4/11/2022	11:59	13.5	5.5	85	545	285 BBLS TAIL CEMENT PUMPED, LAST 50 BBLS SUCTION VALVE SLAPPED SHUT
20	SHUTDOWN	4/11/2022	12:30					WASH PUMP AND LINES, DROP PLUG
21	DISPLACEMENT	4/11/2022	12:40	8.34	7.5	50	879	DISPLACEMENT WATER + RESCARE
22	DISPLACEMENT	4/11/2022	12:47	8.34	7	50	1487	100 BBLS DISPLACEMENT PUMPED
23	DISPLACEMENT	4/11/2022	12:54	8.34	6.5	73	2070	173 BBLS DISPLACEMENT PUMPED
24	SLOW RATE	4/11/2022	13:05	8.34	3	10	2051	SLOW RATE
25	LAND PLUG	4/11/2022	13:10				3067	LAND PLUG
26	CHECK FLOATS	4/11/2022	13:13					FLOATS HELD, 2.5 BBLS FLOW BACK
27	RIG DOWN	4/11/2022	13:30					RIG DOWN MEETING, RIG DOWN
28	LEAVE LOCATION	4/11/2022	14:30					CREW LEAVE LOCATION
29	OTHER	4/11/2022	14:31					532 BBLS MUD RETURNS

Pump Diagrams



JobMaster Program Version 5.01C1

Job Number: 80902

Customer: CAERUS

Well Name: FED 14C-35

