



Caerus Operating LLC

SURFACE POST JOB REPORT

BJU G35 FED #15A-35-496 05-045-24333
S:35 T:4S R:96W Garfield CO

CallSheet #: 81028
Proposal #: 59223

Surface 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	20	19.5	53	n/a	0	130	0
Open Hole	Outer	n/a	14.75	n/a	n/a	100	2500	25
Open Hole	Outer	n/a	14.75	n/a	n/a	2500	3024	0
Casing	Inner	9.625	8.921	36	n/a	0	3024	0

Equipment / People

Unit Type	Unit	Power Unit	Employee #1	Employee #2
Field Storage Silo	FSS(CTS)-468			
Field Storage Silo	FSS(CTS)-469			
AS Cement Trailer	CTF-9309	TRC(TRB)-195		
AS Cement Trailer	CTF-9299	TRC(TRB)-194		
Cement Trailer	CTF-340	TRC(TRB)-201	Morales, Adrian	Richey, Steven
Cement Pump	CPF-052	TRH-957	Brady, Shawn	
Light Duty Vehicles	LDV-062		Lancaster, Stephen	

Timing

Event	Date/Time
Call Out	4/13/2022 06:00
Depart Facility	4/13/2022 13:00
On Location	4/13/2022 14:10
Rig Up Iron	4/13/2022 14:20
Job Started	4/13/2022 19:25
Job Completed	4/14/2022 01:57
Rig Down Iron	4/14/2022 02:20
Depart Location	4/14/2022 04:00

General Job Information

Metrics	Value
Well Fluid Density	9.4 lb/gal
Well Fluid Type	WBM
Rig Circulation Vol	341 bbls
Rig Circulation Time	0.75 hours
Calculated Displacement	226 bbls
Actual Displacement	226 bbls
Total Spacer to Surface	0 bbls
Total CMT to Surface	0 bbls
Well Topped Out	Yes
Top Out Volume	37 bbls

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	9.4 lb/gal
Well Fluid Density Out of Well	9.4 lb/gal

Job Details (cont.)

Metrics	Value
BHCT	90 °F
BHST	129 °F

Water Analysis

Metrics	Value	Recommended
Water Source	Upright Rig Tank	
Temperature	48 °F	50-80 °F
pH Level	6	5.5-8.5
Chlorides	200 mg/L	0-3000 mg/L
Total Alkalinity	100	0-1000
Total Hardness	200 mg/L	0-500 mg/L
Carbonates	0 mg/L	0-100 mg/L
Sulfates	0 mg/L	0-1500 mg/L
Potassium	0 mg/L	0-3000 mg/L
Iron	100 mg/L	0-300 mg/L

Circulation

Lost Circulation Experienced	Losses into Spacer	Losses into Cement	Losses into Displacement
No			

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	Water	Flush	8.34			42.00		40.00	786
2	Stage-1 Lead	Lead	12.00	2.52	14.80		490.00	220.14	1050
3	Stage-1 Tail	Tail	12.50	2.23	12.56		161.00	63.94	2500
4	Water	DisplacementFinal	8.34			42.00		229.00	0
1	Water	Flush	8.34			42.00		40.00	0
2	Stage-2 Primary	Primary	12.00	2.55	14.95		379.00	172.13	0
3	Water	DisplacementFinal	8.34			42.00		82.00	0

Job Fluid Details

Fluid	Type	Fluid	Product	Function	Conc.	Uom
2	Lead	Stage-1 Lead	ASTM TYPE I/II	Cement	100.00	%
2	Lead	Stage-1 Lead	A-10	Accelerator	5.00	%BWOB
2	Lead	Stage-1 Lead	A-2	Accelerator	3.00	lb/sk
2	Lead	Stage-1 Lead	FP-24	Defoamer	0.30	%BWOB
2	Lead	Stage-1 Lead	IntegraSeal PHENO	LostCirculation	0.50	lb/sk
2	Lead	Stage-1 Lead	IntegraSeal POLI	LostCirculation	0.25	lb/sk
2	Lead	Stage-1 Lead	R-7C	Retarder	0.30	%BWOB
2	Lead	Stage-1 Lead	STATIC FREE	Other	0.01	lb/sk
3	Tail	Stage-1 Tail	ASTM TYPE I/II	Cement	100.00	%
3	Tail	Stage-1 Tail	A-10	Accelerator	5.00	%BWOB
3	Tail	Stage-1 Tail	A-2	Accelerator	2.00	lb/sk
3	Tail	Stage-1 Tail	A-7P	Accelerator	2.00	lb/sk
3	Tail	Stage-1 Tail	FP-24	Defoamer	0.30	%BWOB
3	Tail	Stage-1 Tail	IntegraSeal PHENO	LostCirculation	0.50	lb/sk
3	Tail	Stage-1 Tail	IntegraSeal POLI	LostCirculation	0.25	lb/sk
3	Tail	Stage-1 Tail	STATIC FREE	Other	0.01	lb/sk
2	Primary	Stage-2 Primary	ASTM TYPE I/II	Cement	100.00	%
2	Primary	Stage-2 Primary	A-10	Accelerator	5.00	%BWOB
2	Primary	Stage-2 Primary	A-2	Accelerator	3.00	lb/sk
2	Primary	Stage-2 Primary	A-7P	Accelerator	2.00	lb/sk
2	Primary	Stage-2 Primary	FP-24	Defoamer	0.30	%BWOB
2	Primary	Stage-2 Primary	IntegraSeal POLI	LostCirculation	0.25	lb/sk
2	Primary	Stage-2 Primary	STATIC FREE	Other	0.01	lb/sk

Job Logs

Line	Event	Date (MM/DD/YY)	Time (HH:MM)	Density (lb/gal)	Pump Rate (bpm)	Pump Volume (bbls)	Pipe Pressure (psi)	Annular Pressure (psi)	Comment
1	Callout	4/13/2022	06:00						Crew called for job , yard time 11 am ,, On location time 15:00
2	Safety Meeting	4/13/2022	12:00						Journey Management meeting
3	Depart Yard	4/13/2022	12:15						Leave Rifle yard for location
4	Arrive on Location	4/13/2022	14:10						Arrived on location, Still had a lot of casing to run. Got with co rep on job numbers
5	Safety Meeting	4/13/2022	14:15						Rig up safety meeting
6	Rig Up Iron	4/13/2022	14:20						Rig up iron
7	Finish rigging up iron	4/13/2022	15:10						Crew on standby while rig finishes running casing
8	Safety Meeting	4/13/2022	19:25						Pre job meeting with all crews involved with cement job
9	Fill Lines	4/13/2022	19:50	8.34	2.5	10	70	70	Fill lines for press test
10	Pressure Test	4/13/2022	19:55	8.34	1	10	3080	3080	
11	Pump Spacer	4/13/2022	20:05	8.34	5	20	180	180	Pump 20 bbls fresh water
12	Lead Cement	4/13/2022	20:10	12	5	10	230	230	392 BBLS Lead CMT – 12 # 2.52 Y 14.8 MW 869 sks 10 bbls away
13	Lead Cement	4/13/2022	20:22	12	5	50	210	210	50 bbls pumped
14	Lead Cement	4/13/2022	20:33	12	5	100	182	182	100 bbls pumped
15	Lead Cement	4/13/2022	20:44	12	3.6	150	68	68	150 bbls pumped
16	Lead Cement	4/13/2022	20:49	12	6	200	240	240	200 bbls pumped
17	Lead Cement	4/13/2022	20:57	12	6	220	249	249	220 swapped to primary cement
18	Primary Cement	4/13/2022	21:01	12	6	20	258	258	20 bbls pumped
19	Primary Cement	4/13/2022	21:07	12	6	50	251	251	50 bbls pumped
20	Primary Cement	4/13/2022	21:14	12	6	100	256	256	100 bbls pumped
21	Primary Cement	4/13/2022	21:24	12	6	150	248	248	150 bbls pumped
22	Primary Cement	4/13/2022	21:29	12	6	172	247	247	177 bbls pumped Swapped to tail
23	Pump Tail Cement	4/13/2022	21:32	12.5	6	20	263	263	20 bbls tail pumped
24	Pump Tail Cement	4/13/2022	21:39	12.5	4.4	64	187	187	64 bbls tail pumped
25	Drop Top Plug	4/13/2022	21:41						Drop plug
26	Pump Displacement	4/13/2022	21:43	8.34	5	10	148	148	10 bbls pumped
27	Pump Displacement	4/13/2022	21:51	8.34	7	50	530	530	50 bbls pumped
28	Pump Displacement	4/13/2022	21:59	8.34	7	100	554	554	100 bbls pumped Full Returns
29	Pump Displacement	4/13/2022	22:06	8.34	7	150	620	620	150 bbls pumped Lost returns
30	Pump Displacement	4/13/2022	22:13	8.34	7	200	776	776	200 bbls pumped No Returns
31	Pump Displacement	4/13/2022	22:17	8.34	4	220	676	676	220 bbls pumped
32	Land Plug	4/13/2022	22:17				1165	1165	Land Plug 1165 psi FCP 676
33	Check Floats	4/13/2022	22:18						Go 1 bbl back Floats held
34	Pump thru Parasite	4/13/2022	22:27	8.34	2	10	575	575	Broke over @ 575 psi
35	Press up on cancel plug	4/13/2022	22:43	8.34	1.5	2	2356	2356	Press up on cancellation plug to 2356 psi



Line	Event	Date (MM/DD/YY)	Time (HH:MM)	Density (lb/gal)	Pump Rate (bpm)	Pump Volume (bbls)	Pipe Pressure (psi)	Annular Pressure (psi)	Comment
36	Waiting	4/13/2022	22:44						Stand By for 2 hours to pump top out
37	Start top out cement	4/14/2022	01:32	12	2	35	112	112	Topped out with 30bbls cement 5 bbls to surface
38	End Job	4/14/2022	01:57						Cement to surface @ 1:57am
39	Wash truck	4/14/2022	02:05						Wash truck and lines to cellar
40	Rig Down Iron	4/14/2022	02:20						Rig down iron
41	Depart Location	4/14/2022	04:00						Depart Location

Pump Diagrams



JobMaster Program Version 5.01C1
 Job Number: 81028
 Customer: CAERUS
 Well Name: BJU G35 FED#15A-35-496

