Confluence DJ LLC
LONG STRING POST JOB REPORT

Bigfoot #11-5-4 05-123-51764
S:11 T:4N R:63W Weld CO

CallSheet #: 84754
Proposal #: 65298

LONG STRING Post Job Report

Attention: Justin Gale | (970) 590-7709 | jgale@confluencelp.com
Confluence DJ LLC
1670 Broadway Suite 2000 | Denver, CO 80202

Dear Justin Gale,

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,

Aimee Sankovich
Field Engineer I | (307) 689-0323 | aimee.sankovich@americancementing.com

Field Office 1716 E Allison Rd, Cheyenne, WY 82007
Phone: (307) 414-0049

Job Details & Summary

Geometry

Type	Function	OD (in)	ID (in)	Weight (lb/ft)	Top (ft)	Bottom (ft)	Excess (%)
Casing	Outer	9.625	8.921	36	0	1750	0
Open Hole	Outer		8.5		1750	2800	0
Open Hole	Outer		8.5		2800	11573	7
Casing	Inner	5.5	4.778	20	0	11573	0

Equipment / People

Unit Type	Unit
Field Storage Silo	FSS-449
Field Storage Silo	FSS-445
Cement Trailer Float	CTF-009
Cement Trailer Float	CTF-232
Cement Pump Float	CPF-184
Light Duty Vehicles	LDV-013

Timing

Event	Date/Time
Call Out	12/2/2022 21:00
Depart Facility	12/2/2022 23:30
On Location	12/3/2022 01:00
Rig Up Iron	12/3/2022 01:30
Job Started	12/3/2022 08:30
Job Completed	12/3/2022 11:30
Rig Down Iron	12/3/2022 12:00
Depart Location	12/3/2022 13:00

General Job Information

Metrics	Value
Well Fluid Density	10 lb/gal
Well Fluid Type	OBM
Rig Circulation Vol	2500 bbls
Rig Circulation Time	4 hours
Calculated Displacement	257 bbls
Actual Displacement	257 bbls
Total Spacer to Surface	35 bbls

Job Details

Metrics	Value
Flare Prior to Job	Yes
Flare Prior to Job	900 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 lb/gal
Well Fluid Density Out of Well	10 lb/gal

Job Details (cont.)

Metrics	Value
BHCT	240 °F
BHST	240 °F

Water Analysis

Metrics	Value	Recommended
Water Source	None	
Temperature	70 °F	50-80 °F
pH Level	7	5.5-8.5
Chlorides	0 mg/L	0-3000 mg/L
Total Alkalinity	140	0-1000
Total Hardness	100 mg/L	0-500 mg/L
Carbonates	60 mg/L	0-100 mg/L
Sulfates	200 mg/L	0-1500 mg/L
Potassium	450 mg/L	0-3000 mg/L
Iron	0.15 mg/L	0-300 mg/L

Circulation

Lost Circulation Experienced
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	IntegraGuard EZ	Spacer	12.50			28.44		145.00	0
2	Primary	Primary	14.50	1.47	6.60		1465.00	384.21	2800
3	Retarded Water	Displacement	8.35			41.81		20.00	10651
4	Water with Chems	DisplacementFinal	8.34			41.91		237.00	0

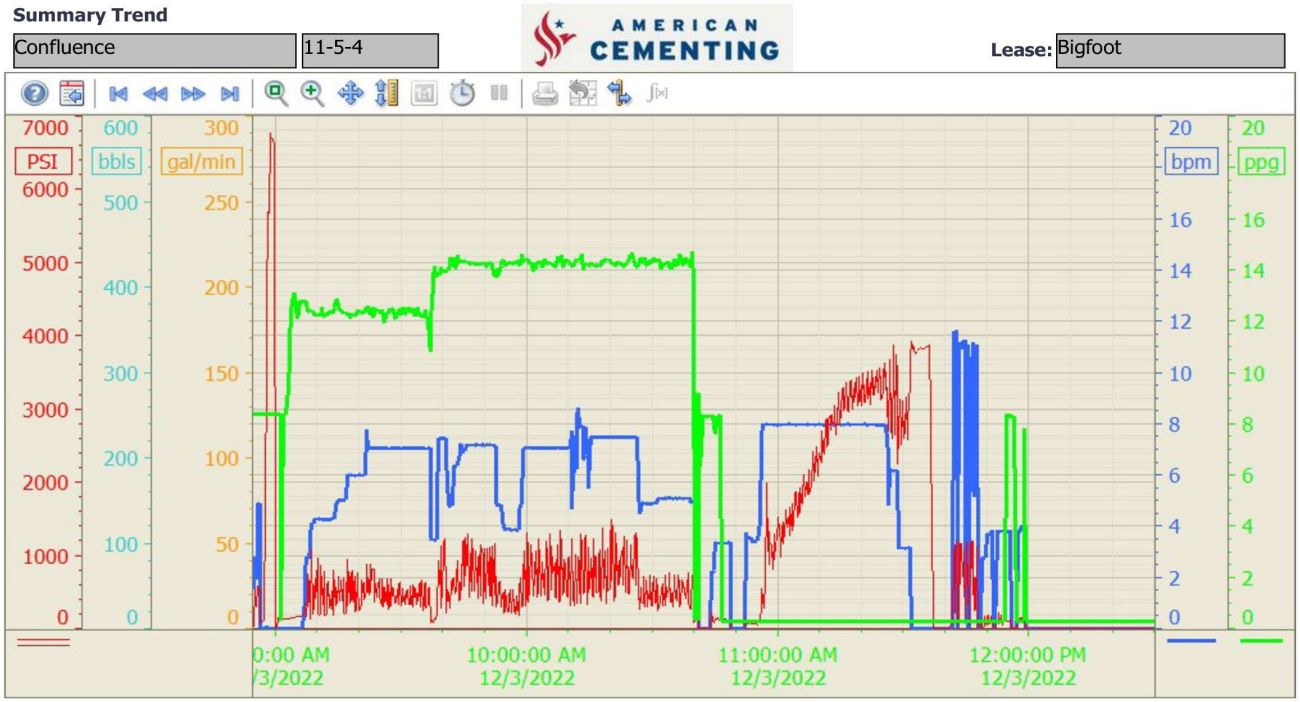
Job Fluid Details

Fluid	Type	Fluid	Product	Function	Conc.	Uom
1	Spacer	IntegraGuard EZ	WEIGHTING ADDITIVE, W-11	Heavyweight	275.83	lb/bbl
1	Spacer	IntegraGuard EZ	GW-86	Viscosifier	1.00	lb/bbl
1	Spacer	IntegraGuard EZ	R-31	Retarder	0.50	lb/bbl
1	Spacer	IntegraGuard EZ	R-7C	Retarder	2.00	lb/bbl
1	Spacer	IntegraGuard EZ	Surfactant, S-801c	Surfactant	1.00	gal/bbl
2	Primary	Primary	IntegraCem P25GF	Cement	100.00	%
2	Primary	Primary	EC-2	BondEnhancer	3.00	%BWOB
2	Primary	Primary	FL-24	FluidLoss	0.30	%BWOB
2	Primary	Primary	FL-66	FluidLoss	0.30	%BWOB
2	Primary	Primary	FP-24	Defoamer	0.30	%BWOB
2	Primary	Primary	GW-86	Viscosifier	0.10	%BWOB
2	Primary	Primary	S-8	StrengthRetrogression	20.00	%BWOB
2	Primary	Primary	SR-20	Retarder	0.05	%BWOB
2	Primary	Primary	STATIC FREE	Other	0.01	lb/sk
3	Displacement	Retarded Water	BIOCIDE,BIOC11139W	Biocide	0.01	gal/bbl
3	Displacement	Retarded Water	ResCare CS-2	ClayProtection	0.08	gal/bbl
3	Displacement	Retarded Water	SR-61L	Retarder	0.10	gal/bbl
4	DisplacementFinal	Water with Chems	BIOCIDE,BIOC11139W	Biocide	0.01	gal/bbl
4	DisplacementFinal	Water with Chems	ResCare CS-2	ClayProtection	0.08	gal/bbl

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	12/2/2022	21:00					Confluence Bigfoot 11-5-4 Long String Production called out. On location time 3:00 A.M.
2	Safety Meeting	12/2/2022	23:00					Meeting with crew and discussed hazards during travel.
3	Crew Leave Yard	12/2/2022	23:30					Gate Checks completed.
4	Arrive On Location	12/3/2022	01:00					Meeting with PIC on location and discussed cement volumes and job procedures.
5	Pre Rig Up Meeting	12/3/2022	01:15					Meeting with crew on location and discusses hazards during rig up.
6	Rig Up Equipment	12/3/2022	01:30					No equipment damage or injuries reported.
7	Wait On Rig	12/3/2022	03:30					Waiting on rig to run casing to bottom and circulate well.
8	Pre Job Meeting	12/3/2022	08:00					Meeting with cement and rig crew. Discussed hazards during pumping and cement volumes.
9	Fill Lines	12/3/2022	08:41	8.4	5	5	520	Pumped fresh water to fill lines and break circulation.
10	Pressure Test	12/3/2022	08:44					Pressure test lines to 6700 psi. No leaks.
11	Pump Spacer	12/3/2022	08:55	12.5	7	145	500	Mixed and pumped 145 bbls of tune spacer with surfactance @ 12.5 ppg.
12	Pump Cement	12/3/2022	09:25	14.5	7	384	500	Mixed and pumped 1465 sks of cement @ 14.5 ppg, 1.47 yld, 6.6 gal/sk.
13	Shutdown	12/3/2022	10:28					Alined valves to wash pumps and lines.
14	Wash Lines	12/3/2022	10:29	8.4				Washed lines to pit and loaded plug into plug container. PIC witnessed plug loaded.
15	Drop Plug	12/3/2022	10:33					PIC witnessed plug drop.
16	Pump Displacement	12/3/2022	10:39	8.4	8	220	3200	Pumped the 1st 10 bbls of displacement with SR-61. Pumped displacement @ 8 bpm.
17	Slow Rate	12/3/2022	11:10	8.4	3	37	2800	Slowed rate to 3 bpm to bump plug. FCP was 2800 psi.
18	Bump Plug	12/3/2022	11:19				3500	Bumped plug @ calculated displacement. Final pressure 3500 psi.
19	Shutdown	12/3/2022	11:19				3500	
20	Check FLoats	12/3/2022	11:23				0	3 bbls back and floats held. Circulated 35 bbls of spacer to surface.
21	Pre Rig Down Meeting	12/3/2022	11:30					Meeting with crew and discussed hazards during rig down.
22	Rig Down Equipment	12/3/2022	12:00					No injuries or equipment damage.
23	Crew Leave Location	12/3/2022	13:00					Thank you for using American Cementing.

Pump Diagrams



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