



# HighPoint Operating Corporation

SIEBRING 63-32-2424BN

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API # 05-123-50647

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## Production

March 10, 2020

Quote #: QUO-43245-H0Y4G3

Execution #: EXC-25024-V3H8M602



# HighPoint Operating Corporation

Attention: Mr. Matthew Schwartz | (303) 312-8142 | mschwartz@hpres.com

HighPoint Operating Corporation | 1099 18th St. | Denver, CO. 80202

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Dear Mr. Matthew Schwartz,

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

Sincerely,  
Jason Creel  
Field Engineer I | (307) 365-9038 | jason.creel@bjservices.com

Field Office 1716 East Allison Rd., Cheyenne WY, 82007  
Phone: (307) 459-6487

Sales Office 999 18th St. Suite 1200 Denver, CO 80202  
Phone: (281) 408-2361

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# BJ Cementing Treatment Report

SERVICE SUPERVISOR	Eric Dewit	RIG	Cade 23
DISTRICT	Cheyenne, WY	COUNTY	WELD
SERVICE	Cementing	STATE / PROVINCE	CO

## WELL GEOMETRY

TYPE	ID (in)	OD (in)	WEIGHT (lb/ft)	MD (ft)	TVD (ft)	EXCESS (%)	GRADE	THREAD
Previous Casing	8.92	9.63	36.00	1,576.00	1,576.00			
Casing	4.00	4.50	11.60	12,322.00	6,367.00			
Open Hole	6.13	0.00	0.00	12,328.00	6,367.00	15.00	N-80	LTC

## HARDWARE

Bottom Plug Used?	No	Tool Type	Float Collar
Top Plug Used?	Yes	Tool Depth (ft)	12,309.00
Top Plug Provided By	Non BJ	Max Casing Pressure - Rated (psi)	6224.00
Top Plug Size	4.500	Max Casing Pressure - Operated (psi)	5000.00
Centralizers Used	Yes	Pipe Movement	None
Centralizers Type	Rigid	Job Pumped Through	No Manifold
Landing Collar Depth (ft)	12,309.00	Top Connection Thread	LTC
		Top Connection Size	4.5

## CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	PV Mud Out	21
Circulation Prior to Job	Yes	YP Mud In	13
Circulation Time (min)	70.00	YP Mud Out	13
Circulation Rate (bpm)	8.00	Solids Present at End of Circulation	No
Circulation Volume (bbls)	560.00	10 sec SGS	2
Lost Circulation Prior to Cement Job	No	10 min SGS	9
Mud Density In (ppg)	10.00	Flare Prior to / during the Cement Job	No
Mud Density Out (ppg)	10.00	Gas Present	No
PV Mud In	21		

## TEMPERATURE

Ambient Temperature (°F)	43.00	Slurry Cement Temperature (°F)	51.00
Mix Water Temperature (°F)	50.00		

## FLUID DETAILS

FLUID TYPE	FLUID NAME	DENSITY (ppg)	YIELD (Cu Ft/sk)	H <sub>2</sub> O REQ (gals/sk)	PLN TOP FLD (ft)	LENGTH (ft)	VOL (sk)	VOL (Cu Ft)	VOL (bbls)
Spacer / Pre Flush / Flush	Fresh Water	8.3300			1,442.00				40.0000
Lead Slurry	BJCem P100.3.01C	12.5000	2.1547	12.23	3,500.00	2,283.00	115	248.0000	44.0000
Tail Slurry	BJCem P50.6.02C	13.5000	1.4772	7.45	5,783.00	6,584.00	485	717.0000	127.6000
Displacement 2	Retarded Water	8.3337			13,244.00	0.00	0	0.0000	20.0000
Displacement Final	Water + Chems	8.3308			0.00			0.0000	172.1000

FLUID TYPE	FLUID NAME	COMPONENT	CONCENTRATION	UOM
Lead Slurry	BJCem P100.3.01C	CEMENT, ASTM TYPE III	100.0000	PCT
Lead Slurry	BJCem P100.3.01C	IntegraGuard GW-86	0.2000	BWOB
Lead Slurry	BJCem P100.3.01C	IntegraSeal POLI	0.1300	LBS/SK
Lead Slurry	BJCem P100.3.01C	BONDING AGENT, BA-60	0.4000	BWOB
Lead Slurry	BJCem P100.3.01C	EXTENDER, BENTONITE	4.0000	BWOB
Lead Slurry	BJCem P100.3.01C	FLUID LOSS, FL-24	0.3000	BWOB
Lead Slurry	BJCem P100.3.01C	RETARDER, SR-20	0.5000	BWOB
Lead Slurry	BJCem P100.3.01C	FOAM PREVENTER, FP-25	0.3000	BWOB
Tail Slurry	BJCem P50.6.02C	CEMENT, FLY ASH (ROCKIES)	50.0000	PCT
Tail Slurry	BJCem P50.6.02C	CEMENT, CLASS G	50.0000	PCT
Tail Slurry	BJCem P50.6.02C	FLUID LOSS, FL-66	0.2000	BWOB
Tail Slurry	BJCem P50.6.02C	FOAM PREVENTER, FP-25	0.3000	BWOB
Tail Slurry	BJCem P50.6.02C	EXTENDER, BENTONITE	2.0000	BWOB
Tail Slurry	BJCem P50.6.02C	RETARDER, SR-20	0.0700	BWOB
Tail Slurry	BJCem P50.6.02C	IntegraGuard GW-86	0.1000	BWOB
Displacement 2	Retarded Water	RETARDER, SR-61L	0.1000	GPB
Displacement Final	Water + Chems	CORROSION INHIBITORS, CI-27	0.2100	GPB
Displacement Final	Water + Chems	BIOCIDE, BIOC11139W	0.0210	GPB
Displacement Final	Water + Chems	OXYGEN SCAVENGER, OS-30	0.1680	GPB

## DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amt of Cement Returned / Reversed	0.00
Calculated Displacement Vol (bbls)	191.00	Method Used to Verify Returns	Visual
Actual Displacement Vol (bbls)	191.00	Amt of Spacer to Surface	0.00
Did Float Hold?	Yes	Pressure Left on Casing (psi)	0.00
Bump Plug	Yes	Amt Bled Back After Job	0.50
Bump Plug Pressure (psi)	1831.00	Total Volume Pumped (bbls)	405.00
Were Returns Planned at Surface	No	Top Out Cement Spotted	No
Cement Returns During Job	None	Lost Circulation During Cement Job	No

# BJ Cementing Event Log

Long String - Cheyenne, WY - Eric Dewit

SEQ	START DATE / TIME	EVENT	DENSITY (ppg)	PUMP RATE (bpm)	PUMP VOL (bbls)	PIPE PRESSURE (psi)	COMMENTS
1	03/09/2020 12:00	Callout					Customer calls with an OL time of 18:00 on 3/9/20 Crew gets equipment and materials ready to travel to location
2	03/09/2020 15:40	Depart for Location					
3	03/09/2020 17:50	Arrive on Location					Arrive on location (rig running casing) Pre-rig up safety meeting
4	03/09/2020 18:00	Spot Units					Spot pump and bulk truck
5	03/09/2020 18:10	Rig Up					Rig up water, bulk, and treating line to the stand pipe
6	03/09/2020 18:50	Rig					Waiting on rig to finish running casing before we can finish rigging up
7	03/09/2020 21:30	Rig Up					Casing on bottom (rig starts circulating) spot 2nd bulk truck, finish rig up
8	03/09/2020 22:00	Rig					Waiting on rig to finish circulating
9	03/09/2020 22:25	STEACS Briefing					Pre-job safety meeting with BJ crew, Rig Crew, Tool Hand, and Company Man
10	03/09/2020 22:40	Rig Up					Rig up floor (pumping through a swedge)
11	03/09/2020 22:47	Other (See comment)	8.3400	2.30	3.00	550.00	Load lines with 3 bbls of fresh water
12	03/09/2020 22:50	Pressure Test	8.3400	0.00	0.00	5382.00	Test pumps and lines
13	03/09/2020 22:54	Pump Spacer	8.3400	5.60	40.00	1094.00	Pump 40 bbls fresh water ahead
14	03/09/2020 23:03	Pump Lead Cement	12.5000	5.60	44.00	1441.00	Pump 115 sks of lead cement @12.5 ppg
15	03/09/2020 23:11	Pump Tail Cement	13.5000	5.60	127.00	1190.00	Pump 485 sks of tail cement @13.5 ppg
16	03/09/2020 23:39	Drop Top Plug					Shut down wash pumps and lines/drop plug
17	03/09/2020 23:54	Pump Displacement	8.3400	4.60	0.00	68.00	Send plug start fresh water displacement + Chems (first 20 bbls retarded water) valve on the chem tote was clogged took 5 min. to clear it before we could start displacement
18	03/09/2020 23:59	Pump Displacement	8.3400	5.60	20.00	329.00	Bring rate up to 5.6 bbls/min (started catching pressure)
19	03/10/2020 00:17	Pump Displacement	8.3400	5.60	120.00	1612.00	
20	03/10/2020 00:26	Pump Displacement	8.3400	2.80	170.00	1110.00	Drop rate to land the plug
21	03/10/2020 00:32	Land Plug	8.3400	2.80	191.00	1831.00	Land plug, final lift pressure was 1,208 psi

Client: HighPoint Operating Corporation

Well Name / API: SIEBRING #63-32-2424BN / 05-123-50647

Well MD: 12367



Quote #: QUO-43245-H0Y4G3

Plan #: ORD-25024-V3H8M6

Execution #: EXC-25024-V3H8M602

22	03/10/2020 00:34	Other (See comment)	8.3400	1.10	0.00	3270.00	Pressure up to sheer plug
23	03/10/2020 00:36	Other (See comment)	8.3400	3.90	2.00	1437.00	Pump 2 bbl wet shoe
24	03/10/2020 00:37	Check Floats	8.3400	0.00	0.00	0.00	Floats held (.5 bbls back)
25	03/10/2020 00:39	STEACS Briefing					Pre-rig down safety meeting
26	03/10/2020 00:45	Rig Down					Rig everything down
27	03/10/2020 01:30	Leave Location					





JobMaster Program Version 5.00C1

Job Number:

Customer: HighPoint

Well Name: Siebring 63-32-2424BN

