



HighPoint Operating Corporation

SIEBRING 63-32-4040B

API # 05-123-50646

Production

February 14, 2020

Quote #: QUO-42261-P7D8N0

Execution #: EXC-24494-N2R0F802



HighPoint Operating Corporation

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

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

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@bjsservices.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

BJ Cementing Treatment Report

SERVICE SUPERVISOR	Chad Johnson	FORMATION	NIOBRARA
DISTRICT	Cheyenne, WY	RIG	Cade 23
SERVICE	Cementing	COUNTY	WELD
		STATE / PROVINCE	CO

WELL GEOMETRY

TYPE	ID (in)	OD (in)	WEIGHT (lb/ft)	MD (ft)	TVD (ft)	EXCESS (%)
Casing	4.00	4.50	11.60	12,226.00	6,365.00	
Open Hole	6.75	0.00	0.00	12,229.00	6,365.00	10.00
Previous Casing	8.92	9.63	36.00	1,577.00	1,500.00	

HARDWARE

Bottom Plug Used?	No	Centralizers Type	Rigid
Top Plug Used?	Yes	Landing Collar Depth (ft)	12,213
Top Plug Provided By	Non BJ	Pipe Movement	None
Top Plug Size	4.500	Job Pumped Through	Manifold
Centralizers Used	Yes	Top Connection Thread	LTC
Centralizers Quantity	101.00	Top Connection Size	4.5

CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	Mud Density In (ppg)	9.80
Circulation Prior to Job	Yes	Mud Density Out (ppg)	9.80
Circulation Time (min)	60.00	Solids Present at End of Circulation	No
Circulation Rate (bpm)	7.00	Flare Prior to / during the Cement Job	No
Circulation Volume (bbls)	420.00	Gas Present	No
Lost Circulation Prior to Cement Job	No		

TEMPERATURE

Ambient Temperature (°F)	15.00	Mix Water Temperature (°F)	70.00
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FLUID DETAILS

FLUID TYPE	FLUID NAME	DENSITY (ppg)	YIELD (Cu Ft/sk)	H ₂ 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			1,874.00				40.0000
Lead Slurry	BJCem P100.3.01C	12.5000	2.1547	12.23	3,500.00	3,300.00	235	507.0000	90.2000
Tail Slurry	BJCem P50.6.02C	13.5000	1.4772	7.45	6,800.00	5,500.00	570	843.0000	150.0000
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	171.1000

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

DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amt of Cement Returned / Reversed	0.00
Calculated Displacement Vol (bbls)	189.00	Method Used to Verify Returns	Visual
Actual Displacement Vol (bbls)	190.50	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)	1300.00	Total Volume Pumped (bbls)	476.00
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 - Chad Johnson

SEQ	START DATE / TIME	EVENT	DENSITY (ppg)	PUMP RATE (bpm)	PUMP VOL (bbls)	PIPE PRESSURE (psi)	COMMENTS
1	02/14/2020 02:00	Callout					Crew called out requested on location for 0700
2	02/14/2020 06:15	Arrive on Location					Crew arrived on location
3	02/14/2020 06:20	STEACS Briefing					Safety meeting
4	02/14/2020 06:40	Spot Units					Spotted all units
5	02/14/2020 06:50	Rig Up					Rigged up all equipment
6	02/14/2020 07:45	Client					Waiting on rig to finish running casing and circulate the well
7	02/14/2020 09:45	STEACS Briefing					Safety meeting
8	02/14/2020 10:22	Prime Up	8.3400	3.00	5.00	300.00	Fill lines
9	02/14/2020 10:25	Pressure Test					Pressure test lines to 5000 psi
10	02/14/2020 10:30	Pump Spacer	8.3400	6.00	40.00	800.00	Pump water spacer
11	02/14/2020 10:40	Pump Lead Cement	12.5000	6.00	90.00	600.00	Pump lead cement (235 sks, 2.15Y, 12.23 gal/sk)
12	02/14/2020 10:58	Pump Tail Cement	13.5000	6.00	150.00	300.00	Pump tail cement (570 sks, 1.48 Y, 7.45 gal/sk)
13	02/14/2020 11:35	Other (See comment)					Shutdown
14	02/14/2020 11:38	Wash Pumps and Lines					Wash pumps and lines to pit
15	02/14/2020 11:45	Drop Top Plug					Drop top plug
16	02/14/2020 11:46	Pump Displacement	8.3400	6.00	170.00	1500.00	Pump displacement
17	02/14/2020 12:15	Other (See comment)	8.3400	3.00	19.00	1300.00	Slow rate
18	02/14/2020 12:21	Land Plug					Land plug at 1300 psi, took to 2000 psi, hold for 3 min, pressure up to 3500 psi to rupture wet shoe, pump 1.5 bbls, shutdown
19	02/14/2020 12:24	Check Floats					Check floats, floats holding, 0.5 bbls back
20	02/14/2020 12:27	STEACS Briefing					Safety meeting
21	02/14/2020 12:45	Rig Down					Rigged down all equipment
22	02/14/2020 14:00	Leave Location					Crew departed location

Client: HighPoint Operating Corporation

Well Name / API: SIEBRING #63-32-4040B / 05-123-50646

Well MD: 12229



Quote #: QUO-42261-P7D8N0

Plan #: ORD-24494-N2R0F8

Execution #: EXC-24494-N2R0F802



JobMaster Program Version 5.00C1

Job Number:

Customer: High Point

Well Name: Siebring 63-32-4040B

