



HighPoint Operating Corporation

SIEBRING 63-32-0801BS

API # 05-123-50650

Production

March 15, 2020

Quote #: QUO-43488-R4V7L4

Execution #: EXC-25164-T9Z3D602



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@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

BJ Cementing Treatment Report

SERVICE SUPERVISOR	Aldo Espinoza Galindo	FORMATION	NIOBRARA
CLIENT FIELD REPRESENTATIVE	Matt Schwartz	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 (%)
Previous Casing	8.92	9.63	36.00	1,576.00	1,576.00	
Casing	4.00	4.50	11.60	11,286.00	6,370.00	
Open Hole	6.13	0.00	0.00	11,286.00	6,370.00	15.00

HARDWARE

Bottom Plug Used?	No	Tool Type	Float Collar
Top Plug Used?	Yes	Tool Depth (ft)	11,267.61
Top Plug Provided By	Non BJ	Max Casing Pressure - Rated (psi)	10,690.00
Centralizers Used	Yes	Max Casing Pressure - Operated (psi)	3,500.00
Centralizers Quantity	88.00	Pipe Movement	None
Centralizers Type	Rigid	Job Pumped Through	No Manifold
Landing Collar Depth (ft)	11,268.00	Top Connection Thread	LTC
		Top Connection Size	4.5

CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	Mud Density In (ppg)	10.40
Circulation Prior to Job	Yes	Mud Density Out (ppg)	10.40
Circulation Time (min)	60.00	Solids Present at End of Circulation	No
Circulation Rate (bpm)	6.00	Flare Prior to / during the Cement Job	No
Circulation Volume (bbls)	360.00	Gas Present	No
Lost Circulation Prior to Cement Job	No		

TEMPERATURE

Ambient Temperature (°F)	32.00	Slurry Cement Temperature (°F)	62.00
Mix Water Temperature (°F)	60.00	Flow Line Temperature (°F)	62.00

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			1,442.00				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	5,553.00	410	606.0000	107.9000
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	156.1000

FLUID TYPE	FLUID NAME	COMPONENT	CONCENTRATION	UOM
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	IntegraGuard GW-86	0.2000	BWOB
Lead Slurry	BJCem P100.3.01C	FLUID LOSS, FL-24	0.3000	BWOB
Lead Slurry	BJCem P100.3.01C	CEMENT, ASTM TYPE III	100.0000	PCT
Lead Slurry	BJCem P100.3.01C	RETARDER, SR-20	0.5000	BWOB
Lead Slurry	BJCem P100.3.01C	IntegraSeal POLI	0.1300	LBS/SK
Lead Slurry	BJCem P100.3.01C	EXTENDER, BENTONITE	4.0000	BWOB
Tail Slurry	BJCem P50.6.02C	CEMENT, FLY ASH (ROCKIES)	50.0000	PCT
Tail Slurry	BJCem P50.6.02C	FOAM PREVENTER, FP-25	0.3000	BWOB
Tail Slurry	BJCem P50.6.02C	CEMENT, CLASS G	50.0000	PCT
Tail Slurry	BJCem P50.6.02C	EXTENDER, BENTONITE	2.0000	BWOB
Tail Slurry	BJCem P50.6.02C	IntegraGuard GW-86	0.1000	BWOB
Tail Slurry	BJCem P50.6.02C	FLUID LOSS, FL-66	0.2000	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	BIOCIDE, BIOC11139W	0.0210	GPB
Displacement Final	Water + Chems	CORROSION INHIBITORS, CI-27	0.2100	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)	174.60	Method Used to Verify Returns	Visual
Actual Displacement Vol (bbls)	174.00	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)	1,800.00	Total Volume Pumped (bbls)	366.50
Were Returns Planned at Surface	No	Top Out Cement Spotted	No
Cement Returns During Job	Full	Lost Circulation During Cement Job	No

BJ Cementing Event Log

Long String - Cheyenne, WY - Aldo Espinoza Galindo

SEQ	START DATE / TIME	EVENT	DENSITY (ppg)	PUMP RATE (bpm)	PUMP VOL (bbls)	PIPE PRESSURE (psi)	COMMENTS
1	03/15/2020 01:45	Callout					Crew called out
2	03/15/2020 07:15	Arrive on Location					On location, spot equipment, rig up equipment
3	03/15/2020 08:30	STEACS Briefing					Safety meeting with company man and rig crew
4	03/15/2020 08:45	Pressure Test	8.3400	0.20	0.20	5800.00	Pressure test lines to 5800 psi
5	03/15/2020 08:46	Pump Spacer	8.3400	5.00	40.00	900.00	Pump 40 bbl of water as spacer
6	03/15/2020 08:54	Pump Lead Cement	12.5000	5.00	44.00	1200.00	Pump 115 sk/ 44 bbl lead slurry @ 12.5 #/ yield 2.15/ mix water 12.23/ 34 bbl
7	03/15/2020 09:04	Pump Tail Cement	13.5000	5.00	107.90	400.00	Pump 410 sk/ 107.9 bbl tail slurry @ 13.5 #/ yield 1.47/ mix water 7.45/
8	03/15/2020 09:28	Drop Top Plug					Drop plug, wash pumping lines to pit
9	03/15/2020 09:34	Pump Displacement	8.3400	5.00	20.00	300.00	Start displacement with 20 bbl of water retarder sr-61l
10	03/15/2020 09:41	Pump Displacement	8.3400	7.00	20.00	1400.00	40 bbl on to displacement, catch cement 1400 psi
11	03/15/2020 09:44	Pump Displacement	8.3400	7.00	10.00	1500.00	50 bbl on to displacement, 1500 psi
12	03/15/2020 09:49	Pump Displacement	8.3400	7.00	30.00	1850.00	80 bbl on to displacement, 1850 psi
13	03/15/2020 09:52	Pump Displacement	8.3400	7.00	20.00	2100.00	100 bbl on to displacement, 2100 psi
14	03/15/2020 10:00	Pump Displacement	8.3400	3.00	50.00	1200.00	150 bbl on to displacement, slow down to 3 bpm to land plug
15	03/15/2020 10:10	Land Plug	8.3400	3.00	24.00	1300.00	174 bbl on to displacement, bump plug from 1300 to 1800 psi
16	03/15/2020 10:13	Other (See comment)	8.3400	2.00	1.50	3200.00	Get back on it to bump plug 3200 psi, pump 1.5 bbl extra
17	03/15/2020 10:15	Check Floats					Check floats 0.5 bbl back
18	03/15/2020 10:17	Rig Down					Rig equipment down

Client: HighPoint Operating Corporation

Well Name / API: SIEBRING #63-32-0801BS
/ 05-123-50650

Well 11336
MD:



Quote #: QUO-43488-R4V7L4

Plan #: ORD-25164-T9Z3D6

Execution #: EXC-25164-T9Z3D602



JobMaster Program Version 5.00C1

Job Number:

Customer: HighPoint

Well Name: Siebring 63-32-0801BS

