



HighPoint Operating Corporation

Fox Creek #33-0362D

API # 05-123-48706

Surface

July 28, 2019

Quote #: QUO-34526-T4G5N2

Execution #: EXC-19908-N1R8S102



HighPoint Operating Corporation

Attention: Mr. Tim Brown | (303) 312-8756 | tibrown@hpres.com

HighPoint Operating Corporation | 555 17th Street, Suite 3700 | Denver, CO. 80202

Dear Mr. Tim Brown,

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) 256-0306 | jason.creel@bjservices.com

Field Office 1716 East Allison Rd., Cheyenne WY, 82007
Phone: (307) 222-3975

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

BJ Cementing Treatment Report

SERVICE SUPERVISOR	John Kelsey	COUNTY	WELD
DISTRICT	Cheyenne, WY	STATE / PROVINCE	CO
SERVICE	Cementing		

WELL GEOMETRY

TYPE	ID (in)	OD (in)	WEIGHT (lb/ft)	MD (ft)	TVD (ft)	EXCESS (%)	GRADE	THREAD
Open Hole	13.50	0.00	0.00	1,637.00	1,637.00	15.00		
Casing	8.92	9.63	36.00	1,637.00	1,637.00			LTC
Previous Casing	15.50	16.00	42.05	40.00	40.00			

HARDWARE

Bottom Plug Used?	No	Tool Depth (ft)	1,595.50
Top Plug Used?	Yes	Max Casing Pressure - Rated (psi)	3950.00
Top Plug Provided By	Non BJ	Max Casing Pressure - Operated (psi)	2500.00
Top Plug Size	9.625	Pipe Movement	None
Centralizers Used	No	Job Pumped Through	No Manifold
Landing Collar Depth (ft)	1,608	Top Connection Thread	LTC
Tool Type	Float Collar	Top Connection Size	9.625

CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	Lost Circulation Prior to Cement Job	No
Circulation Prior to Job	Yes	Solids Present at End of Circulation	No
Circulation Time (min)	60.00	Flare Prior to / during the Cement Job	No
Circulation Rate (bpm)	5.00	Gas Present	No
Circulation Volume (bbls)	300.00		

TEMPERATURE

Ambient Temperature (°F)	63.00	Slurry Cement Temperature (°F)	67.00
Mix Water Temperature (°F)	60.00	Flow Line Temperature (°F)	70.00

Client: HighPoint Operating Corporation

Well: FOX CREEK #33-0362D

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Start Date: 7/28/2019

End Date: 7/28/2019



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	Water	8.3337			0.00				20.0000
Lead Slurry	BJCem S100.03.1C	12.0000	2.5298	14.86	0.00	1,150.00	260	656.0000	116.7000
Tail Slurry	BJCem S100.03.1C	12.5000	2.2255	12.59	1,042.00	500.00	135	299.0000	53.2000
Displacement Final	Water	8.3337			0.00			0.0000	123.3000

FLUID TYPE	FLUID NAME	COMPONENT	CONCENTRATION	UOM
Spacer / Pre Flush / Flush	Water	Fresh Water	100.0000	PCT
Lead Slurry	BJCem S100.03.1C	CEMENT, ASTM TYPE III	100.0000	PCT
Lead Slurry	BJCem S100.03.1C	FOAM PREVENTER, FP-25	0.3000	BWOB
Lead Slurry	BJCem S100.03.1C	CEMENT EXTENDER, GYPSUM, A-10	5.0000	BWOB
Lead Slurry	BJCem S100.03.1C	IntegraSeal POLI	0.1300	LBS/SK
Lead Slurry	BJCem S100.03.1C	Cement Additive, Sodium Metasilicate A-2	2.0000	LBS/SK
Lead Slurry	BJCem S100.03.1C	ACCELERATOR, SALT, CHLORIDE, CALCIUM, A-7P, PELLETS	2.0000	LBS/SK
Tail Slurry	BJCem S100.03.1C	Cement Additive, Sodium Metasilicate A-2	2.0000	LBS/SK
Tail Slurry	BJCem S100.03.1C	CEMENT, ASTM TYPE III	100.0000	PCT
Tail Slurry	BJCem S100.03.1C	IntegraSeal POLI	0.1300	LBS/SK
Tail Slurry	BJCem S100.03.1C	ACCELERATOR, SALT, CHLORIDE, CALCIUM, A-7P, PELLETS	2.0000	LBS/SK
Tail Slurry	BJCem S100.03.1C	FOAM PREVENTER, FP-25	0.3000	BWOB
Tail Slurry	BJCem S100.03.1C	CEMENT EXTENDER, GYPSUM, A-10	5.0000	BWOB
Displacement Final	Water	Fresh Water	100.0000	PCT

DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amt of Cement Returned / Reversed	24.00
Calculated Displacement Vol (bbls)	123.30	Method Used to Verify Returns	Visual
Actual Displacement Vol (bbls)	123.30	Amt of Spacer to Surface	20.00
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)	1129.00	Total Volume Pumped (bbls)	404.00
Were Returns Planned at Surface	Yes	Top Out Cement Spotted	No
Cement Returns During Job	Full	Lost Circulation During Cement Job	No

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Start Date: 7/28/2019

End Date: 7/28/2019



BJ Cementing Event Log

Surface - Cheyenne, WY - John Kelsey

SEQ	START DATE / TIME	EVENT	DENSITY (ppg)	PUMP RATE (bpm)	PUMP VOL (bbls)	PIPE PRESSURE (psi)	COMMENTS
1	07/27/2019 20:00	Callout					BJ crew called to prepare for surface cement job. RTS is 23:00. All times in MST.
2	07/27/2019 22:00	Arrive on Location					Talk to company man
3	07/27/2019 22:10	STEACS Briefing					Rig in meeting
4	07/27/2019 22:15	Spot Units					Spot BJ equipment
5	07/27/2019 22:20	Rig Up					Rig in BJ equipment
6	07/27/2019 23:00	Rig					Rig is running casing
7	07/28/2019 06:15	STEACS Briefing					Pre job meeting
8	07/28/2019 06:30	Prime Up	8.3400	5.20	2.00	91.00	Load lines for psi test
9	07/28/2019 06:32	Pressure Test	8.3400	1.00	1.00	3500.00	Psi test pump and lines to well
10	07/28/2019 06:36	Pump Spacer	8.3400	7.40	20.00	188.00	Fresh flush with dye
11	07/28/2019 06:38	Pump Lead Cement	12.0000	7.30	116.70	289.00	Sks-260, y-2.5298, mw-14.86
12	07/28/2019 06:53	Pump Tail Cement	12.5000	7.30	53.20	220.00	Sks-135, y-2.2255, mw-12.59
13	07/28/2019 07:02	Wash Pumps and Lines					Wash mix system
14	07/28/2019 07:10	Drop Top Plug	8.3400	7.50	10.00	204.00	Drop plug, start displacement, 10 away
15	07/28/2019 07:18	Pump Displacement	8.3400	7.40	40.00	273.00	50 away
16	07/28/2019 07:25	Pump Displacement	8.3400	7.40	50.00	273.00	100 away slow rate to 4.8
17	07/28/2019 07:28	Pump Displacement	8.3400	3.50	13.30	457.00	123.3 away
18	07/28/2019 07:31	Land Plug				1129.00	Bump
19	07/28/2019 07:34	Check Floats					.5 bbls back, floats held
20	07/28/2019 07:35	STEACS Briefing					Rig down meeting
21	07/28/2019 07:40	Rig Down					Rig down BJ equipment
22	07/28/2019 08:00	Leave Location					Ticket signed, BJ leaves location



JobMaster Program Version 4.02C1
Job Number:
Customer: HighPoint
Well Name: Fox Creek #33-0362D

