



HighPoint Operating Corporation

Intermediate Post Job Report

RSU Anschutz Fed 4-62-02-4841CN

S:3 T:4N R:62W Weld CO

Quote #:

Execution #:



HighPoint Operating Corporation

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

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

Field Office 1716 East Allison Rd., Cheyenne WY, 82007
Phone: (307) 638-5585

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

Cementing Treatment



Start Date	7/17/18	Field Ticket#	08830-X4V4J40202-34225
End Date	7/17/18	Well	RSU ANSCHUTZ FED 4-62-02-4841CN
Client	HighPoint Operating Corporation	API#	05-123-46849
Client Field Rep.	Chris	County	WELD
Service Sup.	Brian Boyd	State/Province	CO
District	Cheyenne, WY	Rig	Savanna 803
Type of Job	Intermediate	Project ID	PRJ1008699
Execution ID	EXC-08830-X4V4J402		

WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)	Grade
Previous Casing	8.92	9.63	36.00	850.00	850.00		
Open Hole	8.75			6,770	6,123.00	25.00	
Casing	6.37	7.00	23.00	6,758	6,123.00		J-55

Shoe Length (ft): 42

HARDWARE

Top Plug Used?	Yes	Tool Type	Float Collar
Top Plug Provided By	Highpoint	Tool Depth (ft)	6716
Top Plug Size	7"	Max Casing Pressure - Rated (psi)	9180
Centralizers Used	Yes	Max Casing Pressure - Operated (psi)	7880
Centralizers Quantity	13	Pipe Movement	No
Centralizers Type	Bowman	Job Pumped Through	BJ head
Landing Collar Depth (ft)	6,716	Top Connection Thread	LTC
		Top Connection Size	7"

CIRCULATION PRIOR TO JOB

Well Circulated By	Savanna 803	PV Mud In	3
Circulation Prior to Job	Yes	YP Mud In	9
Circulation Time (min)	30	Solids Present at End of Circulation	No
Circulation Rate (bpm)	6	10 sec SGS	1
Circulation Volume (bbls)	120	10 min SGS	2
Lost Circulation Prior to Cement Job	No	Flare Prior to/during the Cement Job	No
Mud Density In (ppg)	10.2	Gas Present	No

TEMPERATURE

Ambient Temperature (°F)	89	Slurry Cement Temperature (°F)	80
Mix Water Temperature (°F)	71	Flow Line Temperature (°F)	102

Cementing Treatment



BJ FLUID DETAILS

Fluid Type	Fluid Name	Density (ppg)	Yield (Cu Ft/sk)	H2O Req. (gals/sk)	Planned Top of Fluid (Ft)	Length (Ft)	Vol (sk)	Vol (Cu Ft)	Vol (bbls)
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	11.0000			0.00				20.0000
Lead Slurry	BJCem I100.3.01C	12.5000	2.0735	11.83	600.00	4,400.00	400	822.0000	146.3000
Tail Slurry	BJCem I100.6.01C	15.8000	1.1550	4.98	5,000.00	1,781.00	300	344.0000	61.3000
Displacement Final	Water	8.3300			0.00			0.0000	265.3000

Fluid Type	Fluid Name	Component	Concentration	UOM
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	GELLANT WATER, GW-86	0.8000	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	SPACER SURFACTANT, SS-247	0.5000	GPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	SAND, S-8, Silica Flour, 200 Mesh	179.6000	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	RETARDER, SR-20	1.0200	PPB
Lead Slurry	BJCem I100.3.01C	CEMENT, ASTM TYPE III	100.0000	PCT
Lead Slurry	BJCem I100.3.01C	RETARDER, SR-20	0.4000	BWOB
Lead Slurry	BJCem I100.3.01C	BONDING AGENT, BA-60	0.3000	BWOB
Lead Slurry	BJCem I100.3.01C	FLUID LOSS, FL-24	0.3000	BWOB
Lead Slurry	BJCem I100.3.01C	FOAM PREVENTER, FP-25	0.3000	BWOB
Tail Slurry	BJCem I100.6.01C	DISPERSANT, CD-31	0.2000	BWOB
Tail Slurry	BJCem I100.6.01C	FOAM PREVENTER, FP-25	0.3000	BWOB
Tail Slurry	BJCem I100.6.01C	CEMENT, CLASS G	100.0000	PCT
Tail Slurry	BJCem I100.6.01C	BONDING AGENT, BA-60	0.2000	BWOB
Tail Slurry	BJCem I100.6.01C	FLUID LOSS, FL-24	0.2000	BWOB
Tail Slurry	BJCem I100.6.01C	RETARDER, R-6	0.1000	BWOB

TREATMENT SUMMARY

Fluid	Rate (bpm)	Fluid Vol. (bbls)
IntegraGuard EZ Spacer	5.00	20.00
BJCem I100.3.01C	5.00	146.30
BJCem I100.6.01C	5.00	61.30
Water	5.00	265.30

Cementing Treatment



DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ services	Amount of Cement Returned/Reversed	22 bbls
Calculated Displacement Volume (bbls)	264	Method Used to Verify Returns	Visual
Actual Displacement Volume (bbls)	252	Amount of Spacer to Surface	20 bbls
Did Float Hold?	Yes	Amount Bled Back After Job	2
Bump Plug	Yes	Total Volume Pumped (bbls)	493
Bump Plug Pressure (psi)	2318	Top Out Cement Spotted	No
Were Returns Planned at Surface	Yes	Lost Circulation During Cement Job	No
Cement returns During Job	Yes		

EVENT LOG



Customer Name: HighPoint Operating Corporation
Well Name: RSU ANSCHUTZ FED 4-62-02-4841CN
Job Type: Intermediate
Quote ID: QUO-15446-V9N9S0
Plan ID: ORD-08830-X4V4J4
Execution ID: EXC-08830-X4V4J402

District: Cheyenne, WY
BJ Supervisor: Brian Boyd

Seq.	Start Dt./Time	Event	Density (ppg)	Pump Rate (bpm)	Pump Vol(bbls)	Pipe Pressure(psi)	Comments
1	07/17/2018 13:28	Callout					Customer requested crew to be on location at 19:30
2	07/17/2018 16:00	Leave Location					BJ crew has journey management and departs from shop
3	07/17/2018 18:00	Arrive on Location					BJ crew arrives on location and meet with customer
4	07/07/2018 18:10	Safety Meeting					BJ crew has steacs over spotting equipment
5	07/17/2018 18:15	Rig Up					BJ crew rigs up iron and hoses
6	07/17/2018 20:40	Safety Meeting					Steacs briefing with BJ crew, rig crew and company man over job and hazards
7	07/17/2018 20:56	Start Pumping	8.3300	2.00	4.00	125.00	Fill pumps and lines
8	07/17/2018 20:58	Pressure Test	8.3300	0.50	0.50	5,280.00	Pressure test iron and head to 5000 PSI
9	07/17/2018 21:00	Start Pumping	8.3300	2.00	20.00	130.00	Pump 20 bbls of fresh water ahead
10	07/17/2018 21:11	Pump Spacer	11.0000	2.50	20.00	236.00	Pump 20 bbls of 11 PPG spacer
11	07/17/2018 21:19	Pump Lead Cement	12.5000	5.00	146.00	439.00	Pump 146 bbls of 12.5 PPG lead cement (400 sks, 2.07 yield, 11.83 Gals/Sks)
12	07/17/2018 21:48	Pump Tail Cement	15.8000	5.00	61.00	367.00	Pump 61 bbls of 15.8 PPG Tail cement (300 sks, 1.15 yield, 4.98 Gals/Sks)

EVENT LOG



13	07/17/2018 22:02	End Pumping						Shut down
14	07/17/2018 22:13	Drop Top Plug						Drop top plug with company man to verify plug went down hole
15	07/17/2018 22:13	Pump Displacement	8.3300	7.00	252.00	312.00		Pump 252 bbls of fresh water displacement
16	07/17/2018 23:00	Cement Back to Surface	8.3300	2.00	230.00	1,800.00		230 bbls into displacement got 22 bbls of cement back to surface
17	07/17/2018 23:10	Land Plug			252.00	2,318.00		Bump plug to 2318 PSI, FCP of 1837 PSI total displacement of 252 bbls
18	07/17/2018 23:10	Check Floats						Check floats got 2 bbls back to truck
19	07/17/2018 23:20	Pressure Test	8.3300	0.50	0.50	1,557.00		15 min 1500 PSI casing test
20	07/17/2018 23:35	Safety Meeting						BJ crew has steacs over rigging down iron and hoses
21	07/17/2018 23:40	Rig Down						BJ crew rigs down iron and hoses
22	07/18/2018 00:30	Leave Location						BJ crew has journey management and departs from location



JobMaster Program Version 4.02C1
Job Number: 21461
Customer: Highpoint
Well Name: RSU Asnschutz Fed 4-62-02-4841CN

