



HighPoint Operating Corporation

Intermediate Post Job Report

RSU Anschutz Fed 4-62-02-6457C

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	8/21/2018	Well	RSU ANSCHUTZ FED 4-62-02-6457C
End Date	8/21/2018	API#	05-123-46839
Client	HighPoint Operating Corporation	County	WELD
Service Sup.	Wesley Bell	State/Province	CO
District	Cheyenne, WY	Execution ID	EXC-10093-COM5T302
Type of Job	Intermediate	Project ID	PRJ1009858

WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)	Grade
Previous Casing	8.92	9.63	36.00	858.00	858.00		
Open Hole	8.75	0.00	0.00	6,564.00	6,138.00	25.00	
Casing	6.37	7.00	23.00	6,549.00	6,138.00		J-55

Shoe Length (ft): 42.00

HARDWARE

Top Plug Used?	Yes	Landing Collar Depth (ft)	6,455
Top Plug Provided By	Non BJ	Max Casing Pressure - Rated (psi)	4,360.00
Top Plug Size	7.000	Max Casing Pressure - Operated (psi)	2,260.00
Centralizers Used	Yes	Pipe Movement	None
Centralizers Quantity	13.00	Top Connection Thread	LTC
Centralizers Type	Bow	Top Connection Size	7"

CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	YP Mud In	2
Circulation Prior to Job	Yes	YP Mud Out	2
Lost Circulation Prior to Cement Job	No	Solids Present at End of Circulation	Yes
Mud Density In (ppg)	10.20	10 sec SGS	1.00
Mud Density Out (ppg)	10.20	10 min SGS	1.00
PV Mud In	4	Flare Prior to/during the Cement Job	No
PV Mud Out	4	Gas Present	No

TEMPERATURE

Ambient Temperature (°F)	75.00	Slurry Cement Temperature (°F)	80.00
Mix Water Temperature (°F)	70.00	Flow Line Temperature (°F)	114.00

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	4400	400	822.0000	147.8000
Tail Slurry	BJCem I100.6.01C	15.8000	1.1550	4.98	5,000.00	1497	250	291.0000	51.8000
Displacement Final	Water	8.3300			0.00			0.0000	258.0000

Fluid Type	Fluid Name	Component	Concentration	UOM
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	SAND, S-8, Silica Flour, 200 Mesh	180.4300	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	GELLANT WATER, GW-86	0.8000	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	RETARDER, SR-20	1.0200	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	SPACER SURFACTANT, SS-247	0.5000	GPB
Lead Slurry	BJCem I100.3.01C	FLUID LOSS, FL-24	0.3000	BWOB
Lead Slurry	BJCem I100.3.01C	BONDING AGENT, BA-60	0.3000	BWOB
Lead Slurry	BJCem I100.3.01C	FOAM PREVENTER, FP-25	0.3000	BWOB
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
Tail Slurry	BJCem I100.6.01C	FOAM PREVENTER, FP-25	0.3000	BWOB
Tail Slurry	BJCem I100.6.01C	RETARDER, R-6	0.1000	BWOB
Tail Slurry	BJCem I100.6.01C	BONDING AGENT, BA-60	0.2000	BWOB
Tail Slurry	BJCem I100.6.01C	CEMENT, CLASS G	100.0000	PCT
Tail Slurry	BJCem I100.6.01C	FLUID LOSS, FL-24	0.2000	BWOB
Tail Slurry	BJCem I100.6.01C	DISPERSANT, CD-31	0.2000	BWOB

TREATMENT SUMMARY

Fluid	Rate (bpm)	Fluid Vol. (bbls)
IntegraGuard EZ Spacer	3.00	20.00
BJCem I100.3.01C	5.00	147.80
BJCem I100.6.01C	4.00	51.80
Water	7.00	258.00

Cementing Treatment



DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amount of Cement Returned/Reversed	20.00
Calculated Displacement Volume (bbls)	258.00	Method Used to Verify Returns	Visual
Actual Displacement Volume (bbls)	258.00	Amount of Spacer to Surface	20.00
Did Float Hold?	Yes	Amount Bled Back After Job	2.00
Bump Plug	Yes	Total Volume Pumped (bbls)	477.60
Bump Plug Pressure (psi)	2,260.00	Top Out Cement Spotted	No
Were Returns Planned at Surface	Yes	Lost Circulation During Cement Job	No
Cement returns During Job	Full		

EVENT LOG



Customer Name: HighPoint Operating Corporation
Well Name: RSU ANSCHUTZ FED 4-62-02-6457C
Job Type: Intermediate
Quote ID: QUO-17704-G1Y0X9
Plan ID: ORD-10093-COM5T3 **District:** Cheyenne, WY
Execution ID: EXC-10093-COM5T302 **BJ Supervisor:** Wesley Bell

Seq.	Start Dt./Time	Event	Density (ppg)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
1	08/21/2018 14:40	Arrive on Location					Requested time was 15:00
2	08/21/2018 14:45	Rig Up					Spot and rig up all BJ equipment
3	08/21/2018 15:20	Customer					Wait for customer to finish running casing and circulating well
4	08/21/2018 17:00	Safety Meeting					STEACS briefing with rig crew and pump crew, review job procedure and job hazards
5	08/21/2018 17:18	Pressure Test	8.3400	2.00	2.00	5,800.00	Pressure test with fresh water, good test
6	08/21/2018 17:24	Pump Spacer	11.0000	2.50	20.00	100.00	Pump 20bbls of spacer at 11ppg
7	08/21/2018 17:30	Pump Lead Cement	12.5000	5.00	147.80	200.00	Pump 147.8bbls of Lead Cement at 12.5ppg, 400sks, Y; 2.074, WR: 11.83
8	08/21/2018 18:00	Pump Tail Cement	15.8000	5.00	51.40	350.00	Pump 51.4bbls of Tail cement at 15.8ppg, 250sks, Y: 1.155, WR: 4.98, Top of Tail at 4721'
9	08/21/2018 18:26	Drop Top Plug	8.3400				Drop top rubber plug 7"
10	08/21/2018 18:27	Pump Displacement	8.3400	7.00		150.00	Start displacement with fresh water
11	08/21/2018 18:44	Pump Displacement	8.3400	7.00	100.00	550.00	100bbls of displacement away
12	08/21/2018 18:57	Pump Displacement	8.3400	7.00	200.00	1,700.00	200bbls of displacement away
13	08/21/2018 19:09	Pump Displacement	8.3400	7.00	38.00	1,700.00	238bbls of displacement away, cement to surface, 20bbls to surface
14	08/21/2018 19:13	Land Plug	8.3400	2.00	20.00	1,800.00	258bbls of displacement away, bump pressure to 2260psi
15	08/21/2018 19:16	Check Floats	8.3400			0.00	Check floats, 2bbls back, floats held
16	08/21/2018 19:20	Pressure Test	8.3400	1.00		1,500.00	30min casing test at 1500psi, final pressure was 1691'
17	08/21/2018 19:55	Rig Down					Rig out all BJ equipment
18	08/21/2018 20:40	Leave Location					



JobMaster Program Version 4.02C1
Job Number:
Customer: Highpoint
Well Name: RSU Anschutz Fed 4-62-02-6457C

