



# Bonanza Creek Energy

## Surface Post-Job Report

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North Platte 21-24-28HNC

S:21 T:5N R:63W Weld, CO

Quote #:

18517

| Execution #:

10838

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## Bonanza Creek Energy, Inc.

Attn: Adam Conry | (720) 225-6663 | [aconry@bonanzacrk.com](mailto:aconry@bonanzacrk.com)

Bonanza Creek Energy, Inc. | 410 17th St. Ste 1400 | Denver, CO 80202

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Dear Mr. Conry,

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,  
Karl Griesser  
Field Engineer I | (713) 829-7498 | [karl.griesser@bjservices.com](mailto:karl.griesser@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

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# Cementing Treatment



<b>Start Date</b>	9/8/2018	<b>Execution ID</b>	EXC-10838-K6L2L502
<b>End Date</b>	9/8/2018	<b>Project ID</b>	PRJ1010561
<b>Client</b>	BONANZA CREEK ENERGY	<b>Well</b>	NORTH PLATTE 21-24-28HNC
<b>Service Sup.</b>	Anthony Staples	<b>API#</b>	05-123-47009
<b>District</b>	Cheyenne, WY	<b>County</b>	WELD
<b>Type of Job</b>	Surface	<b>State/Province</b>	CO

## WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)
Open Hole	13.50	0.00	0.00	1,612.00	1,612.00	30.00
Casing	8.92	9.63	36.00	1,602.00	1,602.00	

**Shoe Length (ft):** 42.00

## HARDWARE

<b>Bottom Plug Used?</b>	No	<b>Landing Collar Depth (ft)</b>	1,560
<b>Top Plug Used?</b>	Yes	<b>Tool Type</b>	Float Collar
<b>Top Plug Provided By</b>	Non BJ	<b>Tool Depth (ft)</b>	1,560.00
<b>Top Plug Size</b>	9.625	<b>Pipe Movement</b>	None
<b>Centralizers Used</b>	Yes	<b>Job Pumped Through</b>	Manifold
<b>Centralizers Quantity</b>	16.00	<b>Top Connection Thread</b>	8 RND
<b>Centralizers Type</b>	Bow	<b>Top Connection Size</b>	9.625

## CIRCULATION PRIOR TO JOB

<b>Well Circulated By</b>	Rig	<b>Mud Density In (ppg)</b>	8.50
<b>Circulation Prior to Job</b>	Yes	<b>Mud Density Out (ppg)</b>	8.50
<b>Circulation Time (min)</b>	60.00		
<b>Circulation Rate (bpm)</b>	10.00	<b>Solids Present at End of Circulation</b>	No
<b>Circulation Volume (bbls)</b>	600.00	<b>Flare Prior to/during the Cement Job</b>	No
<b>Lost Circulation Prior to Cement Job</b>	No	<b>Gas Present</b>	No

## TEMPERATURE

<b>Ambient Temperature (°F)</b>	58.00	<b>Slurry Cement Temperature (°F)</b>	60.00
<b>Mix Water Temperature (°F)</b>	60.00		

# 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	Water (Pre-flush)	8.3308			0.00				20.0000
Tail Slurry	BJCem S100.3.XC	14.5000	1.3901	6.78	0.00	1650	766	1,066.0000	189.0000
Displacement Final	Water	8.3300			0.00			0.0000	117.3000

Fluid Type	Fluid Name	Component	Concentration	UOM
Tail Slurry	BJCem S100.3.XC	CEMENT, ASTM TYPE III	100.0000	PCT
Tail Slurry	BJCem S100.3.XC	FOAM PREVENTER, FP-13L	0.0300	GALS/SK

## TREATMENT SUMMARY

Fluid	Rate (bpm)	Fluid Vol. (bbls)	Pipe Pressure (psi)
Water (Pre-flush)	5.00	20.00	260
BJCem S100.3.XC	5.00	189.00	506
Water	0.00	117.30	670

## DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amount of Cement Returned/Reversed	39.00
Calculated Displacement Volume (bbls)	117.30	Method Used to Verify Returns	Visual
Actual Displacement Volume (bbls)	117.30	Amount of Spacer to Surface	20.00
Did Float Hold?	Yes	Pressure Left on Casing (psi)	0.00
Bump Plug	Yes	Amount Bled Back After Job	0.50
Bump Plug Pressure (psi)	1,260.00	Total Volume Pumped (bbls)	326.3
Were Returns Planned at Surface	Yes	Top Out Cement Spotted	No
Cement returns During Job	Full	Lost Circulation During Cement Job	No

# EVENT LOG



**Customer Name:** BONANZA CREEK ENERGY

**Well Name:** NORTH PLATTE 21-24-28HNC

**Job Type:** Surface

**Quote ID:** QUO-18517-G4L2J6

**Plan ID:** ORD-10838-K6L2L5

**Execution ID:** EXC-10838-K6L2L502

**District:** Cheyenne, WY

**BJ Supervisor:** Anthony Staples

Seq.	Start Dt./Time	Event	Density (ppg)	Pump Rate (bpm)	Pump Vol(bbls)	Pipe Pressure(psi)	Comments
1	09/08/2018 01:00	Callout					Customer Called and Request a Crew For 0600 Surface Job
2	09/08/2018 02:00	Callout					Crew Notified of On Location Time
3	09/08/2018 03:00	Arrive on Location					Arrived On Location, Casing Crew Rigging Up
4	09/08/2018 05:15	Spot Units					Trucks Spotted In.
5	09/08/2018 05:30	Safety Meeting					Held STEACS With Crew on Rigging Up
6	09/08/2018 05:45	3rd Party Other					Had To Wait on Ground Rig Up Due to Casing Equipment
7	09/08/2018 07:50	Rig Up					Rigging Up Ground Equipment
8	09/08/2018 08:40	Safety Meeting					Held Pre-Job STEACS
9	09/08/2018 08:50	Rig Up					Rigged Up Floor Equipment
10	09/08/2018 09:00	Pressure Test	8.3400	2.00	2.00	3,300.00	Loaded Lines and Conducted Pressure Test
11	09/08/2018 09:10	Pump Spacer	8.3400	3.60	18.00	260.00	H2O Spacer + Dye
12	09/08/2018 09:20	Pump Tail Cement	14.5000	4.80	189.00	506.00	Batch, Weighed, and Pumped 766 Sks of 14.5# CMT (189 Bbls)
13	09/08/2018 10:12	Clean Pumps and Lines	8.3400				Washed Up Mixing Tub
14	09/08/2018 10:20	Drop Top Plug	8.3400	5.00	1.00		Plug Away and Verified By Customer
15	09/08/2018 10:21	Pump Displacement	8.3400	6.00	99.00	555.00	100 Bbls Away, Staging Down
16	09/08/2018 10:39	Pump Displacement	8.3400	3.00	17.00	670.00	117 Bbls Away

# EVENT LOG



17	09/08/2018 10:47	Land Plug	8.3400			1,091.00	Landed Plug On Calculated, 39 Bbls CMT to Surface
18	09/08/2018 10:48	Check Floats	8.3400				Floats Held, .5 Bbls Back
19	09/08/2018 10:50	Other (See comment)	8.3400			575.00	15 Min Casing Test
20	09/08/2018 11:07	Safety Meeting					Bled off Psi and Conducted Rig Down STEACS
21	09/08/2018 11:15	Rig Down					All Equipment Blown Down, Rigged Down
22	09/08/2018 12:00	Leave Location					



JobMaster Program Version 4.02C1  
Job Number: 9168  
Customer: Bonanza Creek  
Well Name: North Platte 21-24-28HNC

