



# Bonanza Creek Energy

## Surface Post Job Report

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State Pronghorn W42-29-30XRLNB API (05-123-44114)

S:28 T:5N R:61W Weld CO

Quote #:

| Execution #:

0



## Bonanza Creek Energy

Attention: Mr. Joel Dill | (720) 633-5871 | JDill@bonanzacrk.com

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

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Dear Mr. Joel Dill,

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,

Jacob Ojeda

Field Engineer I | (763) 516-3012 | jacob.ojeda@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



Start Date	2/23/18	Well	W42-29-30XRLNB State Pronghorn
End Date	2/24/18	County	WELD
Client	BONANZA CREEK ENERGY	State/Province	CO
Client Field Rep	Josh	API	05-123-44114
Service Supervisor	Brian Boyd	Formation	
Field Ticket No.	3366	Rig	Xtreme 19
District	Cheyenne, WY	Type of Job	Surface

### WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)
Open Hole	13.50			1,639.00	1,639.00	30.00
Casing	8.92	9.63	36.00	1,629.00	1,629.00	

Shoe Length (ft): 46

### HARDWARE

Bottom Plug Used?	No	Tool Type	Float Collar
Top Plug Used?	Yes	Tool Depth (ft)	1583
Top Plug Provided By	Bonanza Creek	Max Casing Pressure - Rated (psi)	3520
Top Plug Size	9 5/8"	Max Casing Pressure - Operated (psi)	1291
Centralizers Used	Yes	Pipe Movement	No
Centralizers Quantity	16	Job Pumped Through	Bj Services Head
Centralizers Type	Stickman	Top Connection Thread	LTC
Landing Collar Depth (ft)	1,583	Top Connection Size	9 5/8"

## Cementing Treatment



### CIRCULATION PRIOR TO JOB

Well Circulated By	Xtreme 19	Solids Present at End of Circulation	No
Circulation Prior to Job	Yes	Flare Prior to/during the Cement Job	No
Circulation Time (min)	60	Gas Present	No
Circulation Rate (bpm)	6		
Circulation Volume (bbls)	300		
Lost Circulation Prior to Cement Job	No		
Mud Density In (ppg)	8.6		
Mud Density Out (ppg)	8.6		

### TEMPERATURE

Ambient Temperature (°F)	30	Slurry Cement Temperature (°F)	70
Mix Water Temperature (°F)	63	Flow Line Temperature (°F)	85

### 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	S100-X2 (Primary)	14.5000	1.3901	6.78	0.00	1,629.00	744	1,034.0000	184.1000
Displacement Final	Water	8.3300			0.00			0.0000	122

Fluid Type	Fluid Name	Component	Concentration	UOM
Tail Slurry	S100-X2 (Primary)	FOAM PREVENTER, FP-13L	0.0300	GALS/SK
Tail Slurry	S100-X2 (Primary)	CEMENT, ASTM TYPE III	100.0000	PCT

## Cementing Treatment



### TREATMENT SUMMARY

Time	Fluid	Rate (bpm)	Fluid Vol. (bbls)	Pipe Pressure (psi)
0:50	Water (Pre-flush)	3.00	20.00	125
1:08	S100-X2 (Primary)	5.00	184.10	430
2:07	Water	6.00	122	813

### DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	Bj Services	Amount of Cement Returned/Reversed	42 bbls
Calculated Displacement Volume (bbls)	122	Method Used to Verify Returns	Visual
Actual Displacement Volume (bbls)	122	Amount of Spacer to Surface	20 bbls
Did Float Hold?	Yes	Pressure Left on Casing (psi)	0
Bump Plug	Yes	Amount Bled Back After Job	.5
Bump Plug Pressure (psi)	1291	Total Volume Pumped (bbls)	326
Were Returns Planned at Surface	Yes	Top Out Cement Spotted	No
Cement returns During Job	Yes	Lost Circulation During Cement Job	No

Customer Name Bonanza Creek Energy  
 Well Name W42-29-30XRLNB State Pronghorn  
 Job Type Surface

District Cheyenne  
 Supervisor Brian Boyd  
 Engineer \_\_\_\_\_



Seq No.	Start Date/Time	Category	Event	Event ID	Density (lb/gal)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
1	2/23/2018 15:11		Call Out						Customer requested crew to be on location at 21:00
2	2/23/2018 16:00		Depart Shop						Crew has journey mangement and departs for location
3	2/23/2018 18:30		Arrive On Location	48					Crew arrives on location meet with customer for numbers
4	2/23/2018 18:40		Waiting On Rig						Waiting on rig to finish running casing and for casing crew to rig down to spot equiment
5	2/23/2018 23:00		Rig Lands Casing						Rig lands casing and rig up Bj head to well and circulate through Bj head
6	2/23/2018 23:20		Steacs						Steacs breifing with BJ crew over rigging up iron and hoses
7	2/23/2018 23:30		Rig Up Iron						BJ crew rigs up iron and hoses
8	2/24/2018 0:00		Steacs						Steacs breifing with BJ crew, rig crew and company man over job produre and hazards of job
9	2/24/2018 0:40		Fill Pumps And Lines		8.33	3	5	52	Fill pumps and lines
10	2/24/2018 0:46		Pressure Test	54	8.33	0.5	0.5	3000	Pressure test iron and head to 3000 PSI
11	2/24/2018 0:50		Pump Flush		8.33	3	20	125	Pump 20 bbls of fresh water with red dye
12	2/24/2018 1:08		Pump Primary Cement		14.5	5	184	430	Pump 184 bbls Of 14.5 PPG Primary Cement 5 bpm ( 744 Sks, 1.3901 Yield, 6.78 Gals/Sks, Silo 675)
13	2/24/2018 2:01		Shut Down						Shut down pumping
14	2/24/2018 2:06		Drop Top Plug	63					Job top plug with company man to verify plug went down hole
15	2/24/2018 2:07		Pump Displacement	64	8.33	6	122	328	Pump 122 bbls of fresh water displacement
16	2/24/2018 2:21		Cement To Surface		8.33	6	42	651	80 bbls away into displacement got cement to surface for totla of 42 bbls to surface
17	2/24/2018 2:28		Slow Rate		8.33	2.5	112	813	112 bbls into displacement slow rate to 2.5 bpm
18	2/24/2018 2:32		Land Plug	67	8.33		122	1291	Bump plug at 122 bbls FCP of 813 bump up to 1291
19	2/24/2018 2:35		Check Floats	68					Hold for 3 mins check floats and got .5 bbl back to truck
20	2/24/2018 2:37		Casing Test		8.33	0.5	0.5	571	Perform 15 min casing test pressured up to 500 PSI
21	2/24/2018 2:52		Bleed Off						Bleed pressure off
22	2/24/2017 2:59		Steacs						Steacs with BJ crew over rigging down iron and hoses
23	2/24/2018 3:05		Rig Down Iron						BJ crew rigs down iron and hoses
24	2/24/2018 3:50		Depart Location						BJ crew has journey mangement and departs from location



**JobMaster Program Version 4.02C1**  
**Job Number: 3290**  
**Customer: Bonanza Creek**  
**Well Name: State Pronghorn W42-29-30XRLNB**



