



# Bonanza Creek Energy

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## Surface Post Job Report

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**State Antelope T34-2-14XRLNB**

S:11 T:5N R:62W Weld CO

Quote #:

| Execution #:





# 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,  
Jason Creel  
Field Engineer I | (307) 256-0306 | jason.creel@bjsservices.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>	7/31/2018	<b>Field Ticket#</b>	FT-09342-H8W6S90201-130759393
<b>End Date</b>	7/31/2018	<b>Well</b>	STATE ANTELOPE T34-2-14XRLNB
<b>Client</b>	BONANZA CREEK ENERGY	<b>API#</b>	05-123-46745
<b>Client Field Rep.</b>	Tim	<b>County</b>	WELD
<b>Service Sup.</b>	Travis Tolman	<b>State/Province</b>	CO
<b>District</b>	Cheyenne, WY	<b>Project ID</b>	PRJ1009171
<b>Type of Job</b>	Surface	<b>Execution ID</b>	EXC-09342-H8W6S902

## WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)
Open Hole	13.50	0.00	0.00	1,634.00	1,550.00	30.00
Casing	8.92	9.63	36.00	1,624.00	1,550.00	

**Shoe Length (ft):** 42.00

## HARDWARE

<b>Top Plug Used?</b>	Yes	<b>Landing Collar Depth (ft)</b>	1,508
<b>Top Plug Provided By</b>	Rig	<b>Max Casing Pressure - Rated (psi)</b>	3,520.00
<b>Top Plug Size</b>	9.625	<b>Max Casing Pressure - Operated (psi)</b>	2,000.00
<b>Centralizers Used</b>	Yes	<b>Pipe Movement</b>	None
<b>Centralizers Quantity</b>	14.00	<b>Job Pumped Through</b>	Manifold
<b>Centralizers Type</b>	Bow		

## CIRCULATION PRIOR TO JOB

<b>Well Circulated By</b>	Rig	<b>YP Mud In</b>	5
<b>Circulation Prior to Job</b>	Yes	<b>Solids Present at End of Circulation</b>	No
<b>Circulation Time (min)</b>	30.00	<b>10 sec SGS</b>	6.00
<b>Circulation Rate (bpm)</b>	4.00	<b>10 min SGS</b>	7.00
<b>Lost Circulation Prior to Cement Job</b>	No	<b>30 min SGS</b>	9.00
<b>Mud Density In (ppg)</b>	8.80	<b>Flare Prior to/during the Cement Job</b>	No
<b>PV Mud In</b>	7	<b>Gas Present</b>	No

## TEMPERATURE

<b>Ambient Temperature (°F)</b>	58.00	<b>Flow Line Temperature (°F)</b>	177.00
<b>Mix Water Temperature (°F)</b>	69.00		

# Cementing Treatment



## BJ FLUID DETAILS

Fluid Type	Fluid Name	Density (ppg)	Yield (Cu Ft/sk)	H2O Req. (gals/sk)	Length (Ft)	Vol (sk)	Vol (Cu Ft)	Vol (bbls)
Spacer / Pre Flush / Flush	Water (Pre-flush)	8.3308						20.0000
Tail Slurry	BJCem S100.3.XC	14.5000	1.3901	6.78	1550	720	1,002.0000	178.2000
Displacement Final	Water	8.3300					0.0000	122.4000

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)
Water (Pre-flush)	5.00	20.00
BJCem S100.3.XC	5.00	178.00
Water	0.00	122.00

## DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amount of Cement Returned/Reversed	30.00
Calculated Displacement Volume (bbls)	122.40	Method Used to Verify Returns	Visual
Actual Displacement Volume (bbls)	122.00	Amount of Spacer to Surface	20.00
Did Float Hold?	Yes	Amount Bled Back After Job	1.00
Bump Plug	Yes	Total Volume Pumped (bbls)	320.00
Bump Plug Pressure (psi)	662.00	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:** BONANZA CREEK ENERGY  
**Well Name:** STATE ANTELOPE T34-2-14XRLNB  
**Job Type:** Surface  
**Quote ID:** QUO-16252-R2D9L3  
**Plan ID:** ORD-09342-H8W6S9      **District:** Cheyenne, WY  
**Execution ID:** EXC-09342-H8W6S902      **BJ Supervisor:** Travis Tolman

Seq.	Start Dt./Time	Event	Density (ppg)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
1	07/30/2018 18:00	Callout					Crew called out for On Location of 0000, crew prep equipment
2	07/30/2018 22:00	Leave Location					Crew head to location
3	07/30/2018 22:34	Arrive on Location					Crew arrived on location, met with company man to get numbers and discuss safety issues.
4	07/30/2018 23:00	Spot Units					Spotted equipment
5	07/30/2018 23:05	Safety Meeting					Held safety meeting with crew to discuss rig up and safety issues
6	07/30/2018 23:15	Rig Up					Rigged up from equipment to rig floor
7	07/31/2018 01:50	Safety Meeting					Held safety meeting with company man, rig hands and crew to discuss job and safety issues
8	07/31/2018 02:09	Start Pumping	8.3000	2.40	3.00	55.00	Load pump and lines with fresh water
9	07/31/2018 02:10	Pressure Test	8.3000			2,745.00	Pressure test pump and lines with fresh water
10	07/31/2018 02:12	Pump Spacer	8.3000	5.00	17.00	145.00	Pump fresh water spacer with dye, total 20bbls
11	07/31/2018 02:19	Pump Lead Cement	14.5000	5.00	178.00	238.00	Pump 720sks/178.2bbls of lead cement at 14.5#-1.39Y-6.81gps
12	07/31/2018 02:56	End Pumping					Shut down, wash up truck
13	07/31/2018 02:59	Drop Top Plug					Drop top plug witnessed by company man and BJ rep
14	07/31/2018 03:02	Pump Displacement	8.3000	6.20	110.00	727.00	Pump fresh water displacement
15	07/31/2018 03:22	Other (See comment)	8.3000	2.40	12.00	662.00	Slowed rate to land plug
16	07/31/2018 03:28	Land Plug	8.3000			1,156.00	Landed plug, got 30bbls of cement to surface, 122bbls total displacement
17	07/31/2018 03:29	Start Pumping	8.3000			1,550.00	Pressure up on pipe for casing test
18	07/31/2018 03:30	Pressure Test	8.3000			1,553.00	Held casing test for 5mins
19	07/31/2018 03:35	Check Floats	8.3000				Check float, got 1bbls back

# EVENT LOG



20	07/31/2018 03:37	Safety Meeting					Held safety meeting with crew to discuss rig down and safety issues
21	07/31/2018 03:45	Rig Down					Rigged down from rig floor to equipment
22	07/31/2018 05:30	Leave Location					Crew ready to leave location



JobMaster Program Version 4.02C1  
Job Number:  
Customer: Bonanza Creek  
Well Name: State Antelope T34-2-14XRLNB

