



# Bonanza Creek Energy

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## Surface Post Job Report

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State Antelope O-2-14XRLNB

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

Quote #:

16251

Execution #:

09410



# 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@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** 8/1/18 **Well** STATE ANTELOPE O-2-14XRLNB  
**End Date** 8/2/18 **API#** 05-123-46743  
**Client** BONANZA CREEK ENERGY **County** WELD  
**Client Field Rep.** Tim **State/Province** CO  
**Service Sup.** Anthony J Staples **Rig** Xtreme 19  
**District** Cheyenne, WY  
**Type of Job** Surface  
**Execution ID** EXC-09410-P9B6Q502  
**Project ID** PRJ1009214

## WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)
Open Hole	13.50			1,650.00	1,650.00	30.00
Casing	8.92	9.63	36.00	1,640.00	1,640.00	

**Shoe Length (ft):** 41

## HARDWARE

**Bottom Plug Used?** No **Max Casing Pressure - Rated (psi)** 2500  
**Top Plug Used?** Yes **Max Casing Pressure - Operated (psi)** 1500  
**Top Plug Provided By** Customer **Pipe Movement** none  
**Top Plug Size** 9.625 **Job Pumped Through** Head  
**Centralizers Used** Yes **Top Connection Thread** 8RND  
**Centralizers Quantity** 14 **Top Connection Size** 9.625  
**Centralizers Type** Bow  
**Landing Collar Depth (ft)** 1,599

# Cementing Treatment



## CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	Mud Density In (ppg)	9.5
Circulation Prior to Job	Yes	Mud Density Out (ppg)	9.5
Circulation Time (min)	30	Solids Present at End of Circulation	No
Circulation Rate (bpm)	8	Flare Prior to/during the Cement Job	No
Circulation Volume (bbls)	240	Gas Present	No
Lost Circulation Prior to Cement Job	No		

## TEMPERATURE

Ambient Temperature (°F)	68	Slurry Cement Temperature (°F)	68
Mix Water Temperature (°F)	65		

## 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	1,550.00	720	1,002.0000	178.4000
Displacement Final	MUD	9.500			0.00			0.0000	123.6000

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

# Cementing Treatment



## DISPLACEMENT AND END OF JOB SUMMARY

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<b>Displaced By</b>	BJ	<b>Amount of Cement Returned/Reversed</b>	15
<b>Calculated Displacement Volume (bbls)</b>	123.6	<b>Method Used to Verify Returns</b>	Visual
<b>Actual Displacement Volume (bbls)</b>	123	<b>Amount of Spacer to Surface</b>	20
<b>Did Float Hold?</b>	Yes	<b>Pressure Left on Casing (psi)</b>	0
<b>Bump Plug</b>	Yes	<b>Amount Bled Back After Job</b>	1
<b>Bump Plug Pressure (psi)</b>	1260	<b>Total Volume Pumped (bbls)</b>	321
<b>Were Returns Planned at Surface</b>	Yes	<b>Top Out Cement Spotted</b>	No
<b>Cement returns During Job</b>	Yes	<b>Lost Circulation During Cement Job</b>	No



## Event Log

**Customer Name:** BONANZA CREEK ENERGY  
**Well Name:** STATE ANTELOPE O-2-14XRLNB  
**Job Type:** Surface  
**TMD (ft):** 1640

**District:** Cheyenne, WY  
**Field Leader:** Anthony Staples  
**Quote ID:** QUO-16251-W0J9R3  
**Plan ID:** ORD-09410-P9B6Q5  
**Execution ID:** EXC-09410-P9B6Q502

Seq.	Start Dt./Time	Event	Equipment	Density (ppg)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
1	08/01/2018 13:00	Callout						Customer Called For a Crew For a 9.625 Surface Cement Job on Location by 1900
2	08/01/2018 19:00	Arrive on Location						Arrived On Location, Casing Being Run
3	08/01/2018 19:05	Spot Units						All Equipment Spotted in for the Cement Job
4	08/01/2018 19:15	Safety Meeting						Had STEACS With Crew on Rig Up and Assigned Tasks
5	08/01/2018 19:30	Rig Up						Rigging Up Iron and Hoses
6	08/01/2018 20:50	Safety Meeting						Held a STEACS Meeting with all Present on The 9.625 Surface Cement Job
7	08/01/2018 21:00	Rig Up						Rigged In the Floor
8	08/01/2018 21:07	Pressure Test		8.3400			4,363.00	Conducted Pressure Test
9	08/01/2018 21:13	Pump Spacer		8.3400	5.00	20.00	210.00	Pumped 20 Bbls of H2O +Dye
10	08/01/2018 21:24	Pumping Cement		14.5000	4.50	178.00	263.00	Batch, Weighed, and Pumped 720 sks of 14.5# Cement
11	08/01/2018 22:16	Clean Pumps and Lines		8.3400				Washed Up Mixing Tub On Pump Truck
12	08/01/2018 22:23	Drop Top Plug		8.3400	2.00	1.00	0.00	Plug Left Head and Verified
13	08/01/2018 22:24	Pump Displacement		8.3400	6.00	109.00	835.00	110 bbls into Displacement
14	08/01/2018 22:47	Pump Displacement		8.3400	2.50	12.00	660.00	Dropped Rate to Land Plug
15	08/01/2018 22:52	Land Plug		8.3400			1,260.00	Plug Landed 123 Bbls Into Displacement. Got 15 Bbls of CMT to Surface
16	08/01/2018 22:54	Other (See comment)		8.3400			1,521.00	Increased PSI for a 1500psi Casing Test
17	08/01/2018 23:04	Check Floats		8.3400				Checked Floats and got 1 Bbl Back
18	08/01/2018 23:10	Safety Meeting						Had Rig Down Safety Meeting
19	08/02/2018 01:30	Leave Location						Left Location
20	08/02/2018 23:25	Rig Down						Worked With Rig Crew To Blow Down all MUD Lines Prior to Rigging Down



JobMaster Program Version 4.02C1  
Job Number: 7868  
Customer: Bonanza Creek  
Well Name: State Antelope 0-2-14XRLNB

