



# Bonanza Creek Energy

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## Surface Post Job Report

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Mustang B11-23-24XRLNB

S:22 T:4N R:63W Weld CO

Quote #:

Execution #:





# Bonanza Creek Energy

Attention: Mr. Joel Dill | (720) 633-5871 | [jdill@bonanzacrk.com](mailto:jdill@bonanzacrk.com)

Bonanza Creek Energy | 410 17th Street, 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](mailto: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



<b>Start Date</b>	11/21/2017	<b>Well</b>	Mustang B11-23-24XRLNB
<b>End Date</b>	11/22/2017	<b>County</b>	Weld
<b>Client</b>	BONANZA CREEK ENERGY	<b>State/Province</b>	CO
<b>Client Field Rep</b>	Dan Stone	<b>API</b>	05-123-45803
<b>Service Supervisor</b>	Travis Tolman	<b>Type of Job</b>	Surface
<b>Field Ticket No.</b>	1623		
<b>District</b>	Cheyenne, WY		

## WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)
Open Hole	13.50			1740.00	1740.00	30.00
Casing	8.92	9.63	36.00	1,730.00	1,730.00	

Shoe Length (ft): 44

## HARDWARE

<b>Bottom Plug Used?</b>	No	<b>Tool Type</b>	N/A
<b>Bottom Plug Provided By</b>	N/A	<b>Tool Depth (ft)</b>	N/A
<b>Bottom Plug Size</b>	N/A	<b>Max Tubing Pressure - Rated (psi)</b>	N/A
<b>Top Plug Used?</b>	Yes	<b>Max Tubing Pressure - Operated (psi)</b>	N/A
<b>Top Plug Provided By</b>	Bonanza Creek	<b>Max Casing Pressure - Rated (psi)</b>	2816psi
<b>Top Plug Size</b>	9.625	<b>Max Casing Pressure - Operated (psi)</b>	2000psi
<b>Centralizers Used</b>	Yes	<b>Pipe Movement</b>	No
<b>Centralizers Quantity</b>	16	<b>Job Pumped Through</b>	Head and Manifold
<b>Centralizers Type</b>	Bow Spring	<b>Top Connection Thread</b>	8RND
<b>Landing Collar Depth (ft)</b>	1,686	<b>Top Connection Size</b>	9.625

# Cementing Treatment



## CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	Solids Present at End of Circulation	No
Circulation Prior to Job	Yes	10 sec SGS	6
Lost Circulation Prior to Cement Job	No	10 min SGS	8
Mud Density In (ppg)	9.3	30 min SGS	12
Mud Density Out (ppg)	9.3	Flare Prior to/during the Cement Job	No
PV Mud In	19	Gas Present	No
YP Mud In	9		

## TEMPERATURE

Ambient Temperature (°F)	38	Flow Line Temperature (°F)	229
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## BJ FLUID DETAILS

Fluid Type	Fluid Name	Density (ppg)	Yield (Cu Ft/sk)	H2O Req. (gals/sk)	Vol (sk)	Vol (Cu Ft)	Vol (bbls)
Spacer / Pre Flush / Flush	Water (Pre-flush)	8.3308					20.0000
Tail Slurry	S100-X2 (Primary)	14.5000	1.3901	6.78	790	1,098.0000	196.0000
Top-Out / Scavenger Slurry	S100-X2 (Top-Out)	14.5000	1.3901	6.78	151	209.0000	37.2000
Displacement Final	Water (Final)	8.3308				0.0000	130.000

# Cementing Treatment



Fluid Type	Fluid Name	Component	Concentration	UOM
Tail Slurry	S100-X2 (Primary)	FOAM PREVENTER, FP-13L	0.03	GALS/SK
Tail Slurry	S100-X2 (Primary)	CEMENT, ASTM TYPE III	100.00	PCT
Top-Out / Scavenger Slurry	S100-X2 (Top-Out)	CEMENT, ASTM TYPE III	100.00	PCT
Top-Out / Scavenger Slurry	S100-X2 (Top-Out)	FOAM PREVENTER, FP-13L	0.03	GALS/SK

## TREATMENT SUMMARY

Fluid	Rate (bpm)	Fluid Vol. (bbls)
Water (Pre-flush)	5.00	20.00
S100-X2 (Primary)	5.00	196.00
S100-X2 (Top-Out)	5.00	37.20
Water (Final)	5.00	130.00

## DISPLACEMENT AND END OF JOB SUMMARY

<b>Displaced By</b>	BJ	<b>Amount of Cement Returned/Reversed</b>	50bbls
<b>Calculated Displacement Volume (bbls)</b>	130bbls	<b>Method Used to Verify Returns</b>	Visual
<b>Actual Displacement Volume (bbls)</b>	130bbls	<b>Amount of Spacer to Surface</b>	20bbls
<b>Did Float Hold?</b>	Yes	<b>Pressure Left on Casing (psi)</b>	0psi
<b>Bump Plug</b>	Yes	<b>Amount Bled Back After Job</b>	0.75bbl
<b>Bump Plug Pressure (psi)</b>	1009psi	<b>Total Volume Pumped (bbls)</b>	331bbls
<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

## CEMENT PLUG

<b>Bottom of Cement Plug?</b>	No	<b>Wiper Balls Used?</b>	No
		<b>Plug Catcher</b>	No

Customer Name Bonanza Crek  
 Well Name Mustang B11-23-24XRLNB  
 Job Type Surface

District Cheyenne  
 Supervisor Travis Tolman  
 Engineer \_\_\_\_\_



Seq No.	Start Date/Time	Category	Event	Equipment	Event ID	Density (lb/gal)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
1	11-21-17 1300	Mobilization	Callout		1	0	0	0	0	Crew called in at 1300 for O/L of 1730. Short called
2	11-21-17 1400	Mobilization				0	0	0	0	Crew arrived at yard to pre trip equipment
3	11-21-17 1507	Mobilization				0	0	0	0	Crew left yard
4	11-21-17 1727	Mobilization	Arrive on Location		48	0	0	0	0	Crew arrived on location, just started to run casing. Meet with company to discuss job and get numbers.
5	11-21-17 1730	Operational	Spot Units		49	0	0	0	0	Spot equipment
6	11-21-17 1745	Operational	Safety Meeting		53	0	0	0	0	Held safety meeting with crew to discuss job and safety issues.
7	11-21-17 1800	Operational	Rig Up		50	0	0	0	0	Crew started rig up from truck to rig floor.
8	11-21-17 2130	Operational	Safety Meeting		53	0	0	0	0	Held safety meeting with company man and rig crew to discuss safety and job procedures.
9	11-21-17 2148	Operational	Start Pumping		55	8.33	2.5	2	36	Pump 2bbls to load pump and lines
10	11-21-17 2152	Operational	Pressure Test		54	8.33	0	0	3235	Pressure test pump and lines, held good
11	11-21-17 2155	Operational	Pump Spacer		56	8.33	2	18	25	Pump fresh water spacer
12	11-21-17 2211	Operational	Pumping Cement		61	14.5	4.8	191	87	Batch, weight and pump 14.5# cement
13	11-21-17 2302	Operational	Clean Pumps and Lines		62	0	0	0	0	Wash up tub and get ready for displacement
14	11-21-17 2306	Operational	Drop Top Plug		63	0	0	0	0	Drop top plug witnessed by company man and BJ supervisor
15	11-21-17 2309	Operational	Pump Displacement		64	9.3	6	100	400	Pump OBM displacement, first 10bbls fresh water. Got cement to surface at 80bbls away. Got 50bbls of cement to surface.
16	11-21-17 2329	Operational	Pump Displacement		64	9.3	3.5	20	600	Slowed rate, mud not staying up with rate
17	11-21-17 2334	Operational	Pump Displacement		64	8.33	3	10	391	Slowed rate to bump plug
18	11-21-17 2338	Operational	Land Plug		67	0	0	0	1009	Bump plug at 130bbls away
19	11-21-17 2341	Operational	Check Floats		68	0	0	0	989	Check float, float held .75bbl back at truck
20	11-21-17 2342	Operational	Start Pumping		55	8.33	1	0	560	Pressure up on casing for test, 15 mins
21	11-21-17 2357	Operational	Other (See comments)		76	0	0	0	550	Bleed of pressure, job done
22	11-22-17 0000	Operational	Safety Meeting		53	0	0	0	0	Held rig down safety meeting with crew
23	11-22-17 0015	Operational	Rig Down		73	0	0	0	0	Crew rigged down from rig floor to pump
24	11-22-17 0200	Mobilization	Leave Location		74	0	0	0	0	Leaving location



JobMaster Program Version 4.02C1  
Job Number: 1623  
Customer: Bonanza Creek  
Well Name: Mustang B11-23-24XRLNB

### Bonanza Creek Mustang B11-23-24XRLNB Surface

