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# **Bonanza Creek Energy**

## **SURFACE POST JOB REPORT**

State North Platte A-E-26HNB 05-123-44485  
S:26 T:5N R:63W Weld CO

CallSheet #: 1350  
Proposal #: 13941



**SURFACE Post Job Report**

**Attention:** Mr. Dan Stone | (303) 999-6840 | dstone@bonanzacrk.com  
Bonanza Creek Energy  
410 17th Street Suite 1400 | Denver, CO 80202

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Dear Mr. Stone,

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,

**Oscar Medrano**

Technical Specialist-II | (307) 996-6222 | Oscar.Medrano@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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## 1 Job Details & Summary

### 1.1 Geometry

Type	Function	OD (in)	ID (in)	Weight (lb/ft)	Thread	Top (ft)	Bottom (ft)	Excess (%)
Open Hole	Outer	n/a	13.5	n/a	n/a	0	1621	50
Casing	Inner	9.625	8.921	36	n/a	0	1621	0

### 1.2 Equipment / People

Unit Type	Unit	Power Unit	Employee #1	Mileage
Silo	193			
Bulk Trailer	PPC41309		Boyd, Brian	140
Cement Pump	C938		Montoya, Hector	140
Light Duty Pickups	3		Snyder, Albert	140
Light Duty Pickups	#34	y539	Casey Shubel	140

### 1.3 Timing

Event	Date/Time
Call Out	9/10/2017 18:00
Depart Facility	9/10/2017 19:30
On Location	9/10/2017 21:30
Rig Up Iron	12/30/1899 04:00
Job Started	9/11/2017 06:10
Job Completed	9/11/2017 08:16
Rig Down Iron	9/11/2017 09:30
Depart Location	9/11/2017 10:30

### 1.4 General Job Information

Metrics	Value
Well Fluid Density	8.33 lb/gal
Well Fluid Type	WBM
Rig Circulation Vol	300 bbls
Rig Circulation Time	1 hours
Calculated Displacement	122 bbls
Actual Displacement	122 bbls
Total Spacer to Surface	20 bbls
Total CMT to Surface	40 bbls
Well Topped Out	No

### 1.5 Job Details

Metrics	Value
Flare Prior to Job	No
Flare During Job	No
Flare at End of Job	No
Well Full Prior to Job	Yes
Well Fluid Density Into Well	8.33 lb/gal
Well Fluid Density Out of Well	8.33 lb/gal

### 1.6 Job Details (cont.)

Metrics	Value
BHCT	94 °F
BHST	120 °F



## 1.7 Circulation

Lost Circulation Experienced
No

## 1.10 Job Execution Information

Job	Fluid	Product	Function	Density (lb/gal)	Yield (ft <sup>3</sup> /sk)	Water Rq. (gal/sk)	Water Rq. (gal/bbl)	Volume (sk)	Volume (bbl)	Top (ft)
1	1	Water	Flush	8.33			42.00		20.00	0
1	2	S100-X2	Primary	14.50	1.39	6.76		870.00	215.12	0
1	3	OBM	DisplacementFinal	9.50			42.00		123.00	0

## 1.11 Job Fluid Details

Job	Fluid	Type	Fluid	Product	Function	Conc.	Uom	Start (gal)	End (gal)	Used (gal)
1	2	Primary	S100-X2	AC3-10	Cement	100.00	%			
1	2	Primary	S100-X2	ADF-20	Defoamer	0.03	gal/sk			0



## 2 Job Logs

Line	Event	Date (MM/DD/YY)	Time (HH:MM)	Density (lb/gal)	Pump Rate (bpm)	Pump Volume (bbls)	Pipe Pressure (psi)	Comment
1	callout	9/10/2017	02:30					original callout
2	requested on location	9/10/2017	08:30					original time requested
3	arrived on location	9/10/2017	06:30					arrived 2.5 hours early
4	released from location	9/10/2017	08:00					rig crew dropped bit downhole had to fish it out
5	Depart Location	9/10/2017	09:00					drive back to Cheyenne yard in a pickup
6	arrived at yard	9/10/2017	11:45					awaiting callout
7	callout	9/10/2017	18:00					called out from Cheyenne yard
8	Steacs journey	9/10/2017	19:30					discussed trip out to location
9	arrived on location	9/10/2017	21:30					arrived 3 hour early
10	requested on location	9/11/2017	00:30					still not running casing yet
11	steacs briefing	9/11/2017	04:00					discussed rigging up and waiting to stay away until rig was ready
12	Rig Up Iron	9/11/2017	04:30					rigged up using teamwork and safety
13	steacs briefing	9/11/2017	05:45					discussed job procedure
14	Test lines	9/11/2017	06:10	8.33	1	1	3000	lines tested good
15	Pump Spacer	9/11/2017	06:15	8.33	5	20	340	dyed water spacer micro motion quit working will scale cement every 10 bbls until done mixing
16	Pump Tail Cement	9/11/2017	06:37	14.5	5	215	200	mix and pump 870 sks of s100-x2 cement at 14.5# with 1.39 yield and 6.76 WR
17	drop plug /wash ontop	9/11/2017	07:32					used their plug
18	Pump Displacement	9/11/2017	07:35	8.33	6	40	300	good circulation with water
19	Pump Displacement	9/11/2017	07:45	8.33	6	80	350	Cement to the surface 40 bbls of cement
20	Pump Displacement	9/11/2017	07:50	8.33	6	100	560	good circulation with water
21	Pump Displacement	9/11/2017	07:53	8.33	6	110	800	slowed down to land the plug
22	land the plug	9/11/2017	07:56	8.33	3	122	1201	plug landed on calculated
23	Check Floats	9/11/2017	07:58					float is holding
24	casing pressure test	9/11/2017	08:01	8.33	1	1	1501	test to 1500 psi for 15 minutes
25	end of job	9/11/2017	08:16					
26	steacs briefing	9/11/2017	09:00					discussed rigging down



27	Rig Down Iron	9/11/2017	09:10					used team work and rigged down without incident
28	move off location	9/11/2017	09:30					moved to clear for rig move
29	after action review	9/11/2017	10:00					Discussed entire job
30	steacs journey	9/11/2017	10:20					discussed journey
31	Depart Location	9/11/2017	10:30					

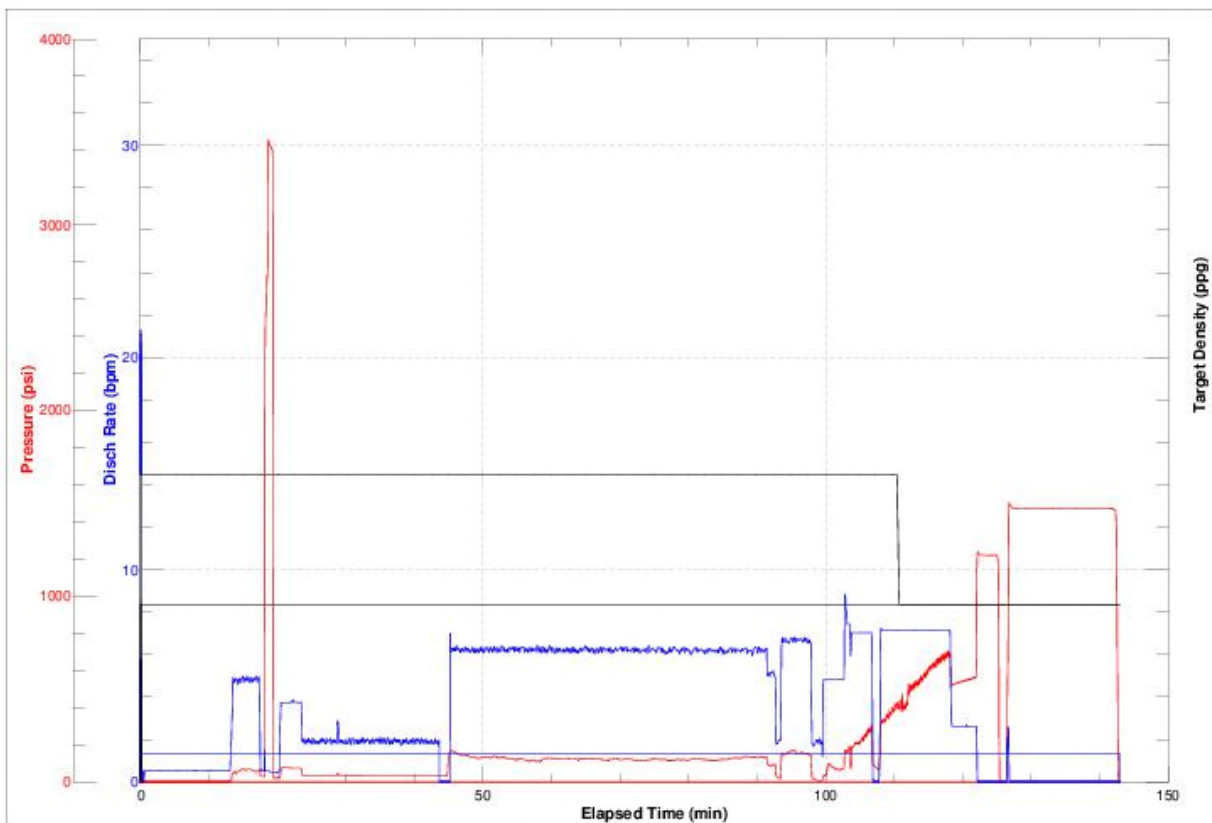
### 3 Water Analysis

Metrics	Value	Recommended
Water Source	Upright Rig Tank	
Temperature	75 °F	50-80 °F
pH Level	7	5.5-8.5
Chlorides	213 mg/L	0-3000 mg/L
Total Alkalinity	240	0-1000
Total Hardness	25 mg/L	0-500 mg/L
Carbonates	100 mg/L	0-100 mg/L
Sulfates	<200 mg/L	0-1500 mg/L
Potassium	1500 mg/L	0-3000 mg/L
Iron	0 mg/L	0-300 mg/L

### 4 Pump Diagrams



JobMaster Program Version 4.02C1  
Job Number: 1322  
Customer: BONANZA CREEK  
Well Name: NORTH PLATTE A-E-26HNB



BJ Services

Job Start: Monday, September 11, 2017