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# **Bonanza Creek Energy**

## **SURFACE POST JOB REPORT**

State North Platte A11-E14-26HNC 05-123-44486  
S:26 T:5N R:63W Weld CO

CallSheet #: 1355  
Proposal #: 13940



**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,

**Jacob Ojeda**

Field Engineer | (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  
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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	1678	30
Casing	Inner	9.625	8.921	36	n/a	0	1668	0

### 1.2 Equipment / People

Unit Type	Unit	Employee #1	Mileage
Bulk Trailer	PPC41309	Gabel, Dustin	140
Silo	193		
Cement Pump	102	Beal, Scott	140
Light Duty Pickups	7	Bell, Wesley	140

### 1.3 Timing

Event	Date/Time
Call Out	9/15/2017 21:00
Depart Facility	9/15/2017 23:00
On Location	9/16/2017 01:00
Rig Up Iron	9/16/2017 03:30
Job Started	9/16/2017 06:33
Job Completed	9/16/2017 08:01
Rig Down Iron	9/16/2017 08:05
Depart Location	9/16/2017 08:45

### 1.4 General Job Information

Metrics	Value
Well Fluid Density	8.4 lb/gal
Well Fluid Type	Water
Rig Circulation Time	1 hours
Calculated Displacement	125.5 bbls
Actual Displacement	125 bbls
Total Spacer to Surface	0 bbls
Total CMT to Surface	25 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	8.4 lb/gal
Well Fluid Density Out of Well	8.4 lb/gal

### 1.6 Job Details (cont.)

Metrics	Value
BHCT	94 °F
BHST	120 °F

### 1.7 Circulation

Lost Circulation Experienced
No

**1.8 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		749.00	185.20	0
1	3	Water	DisplacementFinal	8.34			42.00		125.00	0
1	4	S100-X2	Topout	14.50	1.39	6.79		150.00	37.09	0

**1.9 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	5	4	1
1	4	Topout	S100-X2	AC3-10	Cement	100.00	%			



## 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	Arrive on location	9/16/2017	01:00					arrive on location, requested time was 04:30
2	Rig In	9/16/2017	03:30					spot and rig in pump unit, bulk lines, water lines, treating iron
3	Waiting	9/16/2017	04:30					Wait for rig to finish running casing and circulating the well.
4	Safety Meeting	9/16/2017	05:20					Hold pre-job meeting with rig crew and pump crew, review job procedures and job hazards
5	Fill Lines	9/16/2017	06:33	8.34	2	2	100	Fill lines with 2bbls of fresh water
6	Pressure Test	9/16/2017	06:35	8.34			3500	Pressure test lines to 3500psi, good test/no leaks
7	Pump Preflush	9/16/2017	06:38	8.34	5	20	300	Pump 20bbls of fresh water with red dye
8	Pump Cement	9/16/2017	06:42	14.5	6.5	185	550	Mix and pump 185bbls of Cement at 14.5ppg, 750sk, Y: 1.39, WR: 6.76,
9	Shut Down/Drop Plug	9/16/2017	07:16					Drop 9 5/8" top rubber plug
10	Displace	9/16/2017	07:20	8.34				Displace a calculated 125.5bbls of water
11	Pump	9/16/2017	07:28	8.34	7	50	500	50bbls of displacement away
12	Pump	9/16/2017	07:36	8.34	7	50	1200	100bbls of displacement away, cement to surface
13	Slow Rate	9/16/2017	07:37	8.34	3	105	700	Slow rate for last 20bbls of displacement to 3bpm
14	Land Plug	9/16/2017	07:42	8.34	3	20	900	land plug, final circulating pressure was 900psi, bumped plug upto 1500psi.
15	Check Floats	9/16/2017	07:45	8.34				floats held, .5bbls back to surface
16	Casing Test	9/16/2017	07:46	8.34	1.5	0.5	1700	casing test at 1700psi for 15minutes, good test, no bleed off. Floats held again after bleeding off pressure.
17	Job Complete	9/16/2017	08:01					
18	Rig Out	9/16/2017	08:05					
19	Leave Location	9/16/2017	08:45					



### 3 Pump Diagrams

