



Bonanza Creek Energy

SURFACE POST JOB REPORT

North Platte #24-21-23HNC 05-123-44438
S:26 T:5N R:63W Weld CO

CallSheet #: 1347
Proposal #: 13918



SURFACE Post Job Report

Attention: Mr. Dan Stone | (303) 999-6840 | dstone@bonanzacrk.com
Bonanza Creek Energy
730 17th Street, Suite 610 | Denver, CO 80202

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
Phone: (281) 408-2361



Table of Contents

1 Job Details & Summary	3
1.1 Geometry	3
1.2 Equipment / People	3
1.3 Timing	3
1.4 General Job Information	3
1.5 Job Details	3
1.6 Job Details (cont.)	3
1.7 Circulation	4
1.8 Job Execution Information	4
1.91 Job Fluid Details	4
2 Job Logs	5
3 Water Analysis	6
4 Pump Diagrams	6

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	1680	50
Casing	Inner	9.625	8.921	36	n/a	0	1670	0

1.2 Equipment / People

Unit Type	Unit	Employee #1	Employee #2	Mileage
Cement Pump	102	Beal, Scott		130
Light Duty Pickups	7	Hyde, Zack	Bell, Wesley	130
Bulk Trailer	PPC41309	Gabel, Dustin		130
Silo	193			130

1.3 Timing

Event	Date/Time
Call Out	9/13/2017 08:00
Depart Facility	9/13/2017 09:30
On Location	9/13/2017 12:30
Rig Up Iron	9/13/2017 14:30
Job Started	9/13/2017 16:25
Job Completed	9/13/2017 18:00
Rig Down Iron	9/13/2017 18:30
Depart Location	9/13/2017 19:00

1.4 General Job Information

Metrics	Value
Well Fluid Density	8.4 lb/gal
Well Fluid Type	Water
Rig Circulation Vol	200 bbls
Rig Circulation Time	1 hours
Calculated Displacement	125.8 bbls
Actual Displacement	125.8 bbls
Total Spacer to Surface	20 bbls
Total CMT to Surface	60 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 ³ /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		860.00	212.65	0
1	3	OBM	DisplacementFinal	9.50			42.00		126.00	0
1	4	S100-X2	Topout	14.50	1.39	6.79		150.00	37.09	0

1.91 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	0	0
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	Call Out	9/13/2017	08:00					Crew gets called out, Customer requested crew on location at 14:00
2	Depart Facility	9/13/2017	09:30					Crew departs facility
3	Arrive on Location	9/13/2017	12:30					Crew arrives on location, Talked to the customer about numbers
4	Wait	9/13/2017	13:00					Crew has to wait until casing truck moves in order to spot equipment
5	Rig Up	9/13/2017	14:30					Crew rigs up iron and hoses
6	Wait	9/13/2017	15:00					Crew waits for rig to finish circulating
7	Safety Meeting	9/13/2017	16:00					Crew has a safety meeting with rig crew and customer discussing job and safety
8	Fill Lines	9/13/2017	16:25	8.33	2	2		Fill lines with 2 bbls of fresh water, 2 bpm
9	Pressure Test	9/13/2017	16:27					Pressure test 3500psi
10	Water Spacer	9/13/2017	16:29	8.33	5	20	200	Pumped 20 bbls of fresh water, 5 bpm
11	Primary Cement	9/13/2017	16:33	14.5	6	213	200	Pumped 213 bbls of Primary cement at 14.5 ppg(860sk,1.39yld,6.76gal/sk)6bpm
12	Shutdown	9/13/2017	17:09					Shutdown
13	Drop Plug	9/13/2017	17:13					Drop top plug
14	Displacement	9/13/2017	17:13	8.33	7	50	300	50 bbls away of fresh water displacement 7 bpm,300psi
15	Displacement	9/13/2017	17:24	8.33	7	50	1000	100 bbls away of fresh water displacement 7 bpm, 1000psi, Got cement to surface at 60 bbls into displacement
16	Displacement	9/13/2017	17:33	8.33	7	5	1000	105 bbls away of fresh water displacement 7bpm, 1000psi
17	Slow Rate	9/13/2017	17:33					Slowed rate to 3 bpm for the last 20 bbls of displacement
18	Displacement	9/13/2017	17:37	8.33	3	20.8	800	125.8 bbls away of fresh water displacement 3 bpm, 800psi
19	Land Plug	9/13/2017	17:37					Landed plug at 900 psi brought it up to 1400psi for 3 mins
20	Check Floats	9/13/2017	17:40					Checked floats
21	Casing Test	9/13/2017	17:41					15-minute casing test 1500psi
22	Release Pressure	9/13/2017	17:56					Release pressure
23	Job Complete	9/13/2017	18:00					Job complete, 60 bbls of cement to surface
24	Rig Down	9/13/2017	18:30					Crew rigs down iron and hoses
25	Depart location	9/13/2017	19:00					Depart location



3 Water Analysis

Metrics	Value	Recommended
Water Source	Upright Rig Tank	
Temperature	70 °F	50-80 °F
pH Level	7	5.5-8.5
Chlorides	0 mg/L	0-3000 mg/L
Total Alkalinity	90	0-1000
Total Hardness	0 mg/L	0-500 mg/L
Carbonates	0 mg/L	0-100 mg/L
Sulfates	<200 mg/L	0-1500 mg/L
Potassium	5 mg/L	0-3000 mg/L
Iron	0 mg/L	0-300 mg/L

4 Pump Diagrams

