



Bonanza Creek Energy

SURFACE POST JOB REPORT

North Platte O24-K21-23HNB 05-123-44443
S:22 T:6N R:67W Weld CO



CallSheet #: 1351
Proposal #: 13919



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,

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	1678	50
Casing	Inner	9.625	8.921	36	n/a	0	1668	0

1.2 Equipment / People

Unit Type	Unit	Employee #1	Employee #2	Mileage
Cement Pump	C938	Beal, Scott		130
Light Duty Pickups	3	Bell, Wesley		130
Bulk Trailer	PPC41309	Gabel, Dustin	Hyde, Zack	130
Silo	193			130

1.3 Timing

Event	Date/Time
Call Out	9/12/2017 00:00
Depart Facility	9/12/2017 01:00
On Location	9/12/2017 03:00
Rig Up Iron	9/12/2017 11:00
Job Started	9/12/2017 12:05
Job Completed	9/12/2017 13:55
Rig Down Iron	9/12/2017 14:30
Depart Location	9/12/2017 15:00

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	125.5 bbls
Actual Displacement	125.5 bbls
Total Spacer to Surface	20 bbls
Total CMT to Surface	55 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		866.00	214.13	0
1	3	OBM	DisplacementFinal	9.50			42.00		0.00	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			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	Call Out	9/12/2017	00:00					Crew gets called out, on location time 6:00
2	Depart Facility	9/12/2017	01:00					Crew leaves facility
3	Arrive On Location	9/12/2017	03:00					Crew arrives on location, went and got numbers from customer
4	Wait	9/12/2017	03:30					Crew waits to spot equipment
5	Rig Up	9/12/2017	11:00					Crew rigs up iron and hoses
6	Wait	9/12/2017	11:30					Crew waits for rig to finish circulating
7	Safety Meeting	9/12/2017	11:45					Crew has safety meeting with rig crew and company man discussing job and safety
8	Fill Lines	9/12/2017	12:05	8.33	2	2	0	Fill lines with 2bbls
9	Pressure Test	9/12/2017	12:07					Pressure test 3500psi
10	Water Spacer	9/12/2017	12:09	8.33	5	20	100	20 bbls of water spacer 4 bpm, 100psi
11	Primary Cement	9/12/2017	12:15	14.5	5.5	213	350	Pumped 213 bbls of primary at 14.5ppg, 5.5bpm with 350psi(866sk,1.39yld,6.76gal/sk)
12	Shutdown	9/12/2017	12:58					Shutdown
13	Drop Plug	9/12/2017	13:03					Drop top plug
14	Displacement	9/12/2017	13:13	8.33	6	50	550	50 bbls away of displacement with fresh water 550psi, 6bpm
15	Displacement	9/12/2017	13:25	8.33	6	50	700	100 bbls away of fresh water displacement with 700psi, 6bpm, got cement to surface at 65bbls away
16	Displacement	9/12/2017	13:29	8.33	6	5	750	105 bbls away of fresh water displacement with 750 psi, slowed rate to 3 bpm
17	Shutdown	9/12/2017	13:29					Had to shut down rigs cellar pump tripped a fuse were only shutdown for 2 minutes
18	Displacement	9/12/2017	13:33	8.33	3	22.5	900	122.5 bbls away of fresh water displacement with 900psi, 3bpm
19	Land plug	9/12/2017	13:33					Landed plug 3 bbls early landed at 900psi brought it up to 1500psi for 3 minutes
20	Check Floats	9/12/2017	13:36					Checked floats got .5 bbls back
21	Casing Test	9/12/2017	13:37				1500	15 minute casing test with 1500 psi
22	Release Pressure	9/12/2017	13:52					Released pressure



23	Job Complete	9/12/2017	13:55					Job complete, got 55bbls cement to surface
24	Rig Down	9/12/2017	14:30					Crew rigs down iron and hoses
25	Depart Location	9/12/2017	15:00					Crew leaves 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

