



Bonanza Creek Energy

Production Post Job Report

State North Platte K-35-36MRLNB

S:26 T:5N R:63W Weld CO

Quote #:

| Execution #:



Bonanza Creek Energy

Attention: Mr. Joel Dill | (720) 633-5871 | JDill@bonanzacrk.com

Bonanza Creek Energy | 410 17th St Suite 1400 | Denver, CO. 80202

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@bjsservices.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

Cementing Treatment



Start Date	4/16/18	Well	State North Platte K-35-36MRLNB
End Date	4/16/18	State/Province	CO
Client	BONANZA CREEK ENERGY	API	05-123-46387
Client Field Rep	Dan Stone	Rig	Xtreme 19
Service Supervisor	Anthony Staples	Type of Job	Long String
District	Cheyenne, WY		

WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)
Previous Casing	8.92	9.63	36.00	1,502.00	1,502.00	
Open Hole	8.50			14,080.52	6,300.00	12.50
Casing	4.89	5.50	17.00	14,067.52	6,300.00	

Shoe Length (ft): 42

HARDWARE

Top Plug Used?	Yes	Max Casing Pressure - Operated (psi)	3500
Top Plug Provided By	Customer	Pipe Movement	None
Top Plug Size	5.5	Job Pumped Through	Head
Landing Collar Depth (ft)	14,025	Top Connection Thread	8RND
Max Casing Pressure - Rated (psi)	10860	Top Connection Size	5.5

CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	PV Mud Out	17
Circulation Prior to Job	Yes	YP Mud In	8
Circulation Time (min)	150	YP Mud Out	8
Circulation Rate (bpm)	10	Solids Present at End of Circulation	No
Circulation Volume (bbls)	1500	10 sec SGS	6
Lost Circulation Prior to Cement Job	No	10 min SGS	10
Mud Density In (ppg)	9.6	30 min SGS	13
Mud Density Out (ppg)	9.6	Flare Prior to/during the Cement Job	No
PV Mud In	17	Gas Present	No

TEMPERATURE

Ambient Temperature (°F)	50	Slurry Cement Temperature (°F)	58
Mix Water Temperature (°F)	53		

Cementing Treatment



BJ FLUID DETAILS

Fluid Type	Fluid Name	Density (ppg)	Yield (Cu Ft/sk)	H2O Req. (gals/sk)	Planned Top of Fluid (Ft)	Length (Ft)	Vol (sk)	Vol (Cu Ft)	Vol (bbls)
Spacer/Pre Flush / Flush	IntegraGuard EZ Spacer	11.5000			0.00				60.0000
Lead Slurry	BJCem P100.3.01C	12.5000	2.0751	11.84	0.00	5,000.00	630	1,307.0000	232.7000
Tail Slurry	BJCem P50.6.02C	13.5000	1.4772	7.45	5,000.00	9,089.52	1,590	2,348.0000	418.2000
Displacement 2	Retarded Water	8.3337			13,188.00	0.00	0	0.0000	20.0000
Displacement Final	Displacement Final (Water)	8.3308			0.00			0.0000	306.6000

Fluid Type	Fluid Name	Component	Concentration	UOM
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	GELLANT WATER, GW-86	0.9000	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	RETARDER, R-31	0.5100	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	SAND, S-8, Silica Flour, 200 Mesh	208.5300	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	SPACER SURFACTANT, SS-267	0.5000	GPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	EXTENDER, BENTONITE	5.0000	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	Spacer Surfactant, SS-247	0.5000	GPB
Lead Slurry	BJCem P100.3.01C	GELLANT WATER, GW-86	0.0500	BWOB
Lead Slurry	BJCem P100.3.01C	IntegraSeal CELLO	0.1300	LBS/SK
Lead Slurry	BJCem P100.3.01C	Foam Preventer, FP-25	0.3000	BWOB
Lead Slurry	BJCem P100.3.01C	RETARDER, R-31	0.1500	BWOB
Lead Slurry	BJCem P100.3.01C	CEMENT, ASTM TYPE III	100.0000	PCT
Lead Slurry	BJCem P100.3.01C	FLUID LOSS, FL-24	0.3000	BWOB
Lead Slurry	BJCem P100.3.01C	BONDING AGENT, BA-60	0.4000	BWOB
Tail Slurry	BJCem P50.6.02C	FLUID LOSS, FL-66	0.2000	BWOB
Tail Slurry	BJCem P50.6.02C	Flyash (Rockies)	50.0000	PCT
Tail Slurry	BJCem P50.6.02C	GELLANT WATER, GW-86	0.1000	BWOB
Tail Slurry	BJCem P50.6.02C	Foam Preventer, FP-25	0.3000	BWOB
Tail Slurry	BJCem P50.6.02C	EXTENDER, BENTONITE	2.0000	BWOB
Tail Slurry	BJCem P50.6.02C	CEMENT, CLASS G	50.0000	PCT
Tail Slurry	BJCem P50.6.02C	RETARDER, SR-20	0.0700	BWOB
Displacement 2	Retarded Water	RETARDER, R-8L	0.5000	GPB
Displacement 2	Retarded Water	BIOCIDE, BIOC11139W	0.0100	GPB
Displacement Final	Displacement Final (Water)	BIOCIDE, BIOC11139W	0.0100	GPB

Cementing Treatment



TREATMENT SUMMARY

Fluid	Rate (bpm)	Fluid Vol. (bbls)
IntegraGuard EZ Spacer	5.00	60.00
BJCem P100.3.01C	6.00	232.70
BJCem P50.6.02C	6.00	418.20
Retarded Water	5.00	20.00
Displacement Final (Water)	8.00	306.60

DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amount of Cement Returned/Reversed	76
Calculated Displacement Volume (bbls)	326	Method Used to Verify Returns	Visual
Actual Displacement Volume (bbls)	326	Amount of Spacer to Surface	55
Did Float Hold?	Yes	Pressure Left on Casing (psi)	0
Bump Plug	Yes	Amount Bled Back After Job	2
Bump Plug Pressure (psi)	2300-3100	Total Volume Pumped (bbls)	1,034
Were Returns Planned at Surface	Yes	Top Out Cement Spotted	No
Cement returns During Job	Yes	Lost Circulation During Cement Job	No

Customer Name Bonanza Creek
 Well Name State North Platte K-35-36 MRLNB
 Job Type Long String

District Cheyenne
 Supervisor Anthony Staples



Seq No.	Start Date/Time	Category	Event	Equipment	Event ID	Density (lb/gal)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
1	4/16/2018 10:00	Mobilization	Callout		1					Job Called Out For an RTS of 16:00
2	4/16/2018 11:00	Mobilization								Arrived at Yard, Got Equipment Ready
3	4/16/2018 13:45	Mobilization								Left The Yard
4	4/16/2018 16:07	Mobilization	Arrive on Location		48					Arrived on Location Rig was on Bottom and Starting to Circulate
5	4/16/2018 16:15	Operational	Spot Units	Cement Pump Truck	49					Got The Units Spotted For the Job
6	4/16/2018 16:20	Operational	Safety Meeting		53					Held STEACS with Crew and Assigned Tasks
7	4/16/2018 16:30	Operational	Rig Up		50					Got Rigged Up
8	4/16/2018 18:30	Operational	Safety Meeting		53					Held STEACS with all Personnel on Location For the Job
9	4/16/2018 18:45	Operational	Rig Up		50					Rigged Up Head
10	4/16/2018 19:05	Operational	Prime Up	Cement Pump Truck	52	8.34	2	2	157	Primed Pump and Loaded Lines
11	4/16/2018 19:07	Operational	Pressure Test	Cement Pump Truck	54	8.34			4614	Performed PSI Test
12	4/16/2018 19:11	Operational	Pump Spacer	Cement Pump Truck	56	11.5	4.6	55	212	Batched Up 11.5# Spacer
13	4/16/2018 19:30	Operational	Pump Lead Cement	Cement Pump Truck	58	12.5	5	232	318	Batched, Weighed and Pumped 630 sks of 12.5# Lead Cement with a YP of 2.07 (232 Bbls)
14	4/16/2018 20:27	Operational	Pump Tail Cement	Cement Pump Truck	60	13.5	5	4.19	340	Pumped 1590 sks of 13.5# Tail Cement with a YP of 1.48 (419 Bbls) Top Of Cement @ 3822ft
15	4/16/2018 22:00	Operational	Clean Pumps and Lines	Cement Pump Truck	62	8.34	3	10	60	Shut Down and Washed Up Pump and Lines
16	4/16/2018 22:10	Operational	Drop Top Plug	Cement Pump Truck	63	8.34	5	1	50	Plug Away and Verified by Tool Guy.
17	4/16/2018 22:11	Operational	Pump Displacement	Cement Pump Truck	64	8.34	7	1	60	Pick Up Rate For Displacing
18	4/16/2018 22:20	Operational	Pump Displacement	Cement Pump Truck	64	8.34	7	48	1008	50 Bbls Away
19	4/16/2018 22:27	Operational	Pump Displacement	Cement Pump Truck	64	8.34	7	50	1730	100 Bbls Away
20	4/16/2018 22:45	Operational	Pump Displacement	Cement Pump Truck	64	8.34	7	100	2400	200 Bbls Away
21	4/16/2018 22:56	Operational	Cement Back to Surface	Cement Pump Truck	66	8.34	5.4	150	2400	250 Bbls Away Got Cement To Surface
22	4/16/2018 23:05	Operational	Pump Displacement	Cement Pump Truck	64	8.34	4.5	50	2300	300 Bbls Away Slowed Rate
23	4/16/2018 23:10	Operational	Land Plug	Cement Pump Truck	67	8.34	4	26	3000	Landed Plug, Pressure Fell Off Reset Kickouts to 3100 and Attempted to Bump Again
24	4/16/2018 23:12	Operational	Land Plug	Cement Pump Truck	67	8.34	5		3100	Bumped Again to 3100 Pressure Fell off to 2100psi
25	4/16/2018 23:15	Operational	Check Floats	Cement Pump Truck	68	8.34				Floats Held 2 Bbls Back
26	4/16/2018 23:20	Operational	Safety Meeting	Cement Pump Truck	53					Pre-Rig Down Meeting
27	4/16/2018 23:30	Operational	Rig Down	Cement Pump Truck	73					Rig Down Equipment
28	4/17/2018 0:30	Mobilization	Leave Location	Cement Pump Truck	74					



JobMaster Program Version 4.02C1
Job Number: 4675
Customer: Bonanza Creek
Well Name: State Platte North K-35-36 MRLNB

