



Bonanza Creek Energy

Production Post Job Report

State North Platte U41-35-1XRLNB

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@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

Cementing Treatment



Start Date	5/6/18	Well	U41-35-1XRLNB STATE NORTH PLATTE
End Date	5/6/18	County	WELD
Client	BONANZA CREEK ENERGY	State/Province	CO
Client Field Rep	Kenny	API	05-123-46431
Service Supervisor	C. Johnson	Rig	Xtreme 19
District	Cheyenne, WY	Type of Job	Long String

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			16,809.00	6,275.00	12.50
Casing	4.89	5.50	17.00	16,798.00	6,275.00	

Shoe Length (ft): 42

HARDWARE

Top Plug Used?	Yes	Centralizers Type	Bowstring
Top Plug Provided By	Team Oil Tools	Landing Collar Depth (ft)	16,756
Top Plug Size	5.5"	Job Pumped Through	Cement head
Centralizers Used	Yes	Top Connection Thread	LTC
Centralizers Quantity	158	Top Connection Size	5.5"

CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	YP Mud Out	8
Circulation Prior to Job	Yes	Solids Present at End of Circulation	No
Lost Circulation Prior to Cement Job	No	10 sec SGS	6
Mud Density In (ppg)	9.6	10 min SGS	8
Mud Density Out (ppg)	9.6	30 min SGS	12
PV Mud In	11	Flare Prior to/during the Cement Job	No
PV Mud Out	11	Gas Present	No
YP Mud In	8		

TEMPERATURE

Ambient Temperature (°F)	70	Mix Water Temperature (°F)	60
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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	12.0000			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	11,849.94	2,071	3,060.0000	544.9000
Displacement 2	Retarded Water	8.3337			15,948.00	0.00	0	0.0000	20.0000
Displacement Final	Displacement Final (Water)	8.3308			0.00			0.0000	370.8000

Cementing Treatment



Fluid Type	Fluid Name	Component	Concentration	UOM
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-247	0.5000	GPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	EXTENDER, BENTONITE	5.0000	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	RETARDER, R-31	0.5100	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	SPACER SURFACTANT, SS-267	0.5000	GPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	GELLANT WATER, GW-86	1.0000	PPB
Lead Slurry	BJCem P100.3.01C	GELLANT WATER, GW-86	0.0500	BWOB
Lead Slurry	BJCem P100.3.01C	CEMENT, ASTM TYPE III	100.0000	PCT
Lead Slurry	BJCem P100.3.01C	Foam Preventer, FP-25	0.3000	BWOB
Lead Slurry	BJCem P100.3.01C	BONDING AGENT, BA-60	0.4000	BWOB
Lead Slurry	BJCem P100.3.01C	FLUID LOSS, FL-24	0.3000	BWOB
Lead Slurry	BJCem P100.3.01C	IntegraSeal CELLO	0.1300	LBS/SK
Lead Slurry	BJCem P100.3.01C	RETARDER, R-31	0.1500	BWOB
Tail Slurry	BJCem P50.6.02C	CEMENT, CLASS G	50.0000	PCT
Tail Slurry	BJCem P50.6.02C	GELLANT WATER, GW-86	0.1000	BWOB
Tail Slurry	BJCem P50.6.02C	FLUID LOSS, FL-66	0.2000	BWOB
Tail Slurry	BJCem P50.6.02C	RETARDER, SR-20	0.0700	BWOB
Tail Slurry	BJCem P50.6.02C	EXTENDER, BENTONITE	2.0000	BWOB
Tail Slurry	BJCem P50.6.02C	Foam Preventer, FP-25	0.3000	BWOB
Tail Slurry	BJCem P50.6.02C	Flyash (Rockies)	50.0000	PCT
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

TREATMENT SUMMARY

Fluid	Rate (bpm)	Fluid Vol. (bbls)
IntegraGuard EZ Spacer	3.00	60.00
BJCem P100.3.01C	6.00	232.70
BJCem P50.6.02C	6.00	544.90
Retarded Water	5.00	20.00
Displacement Final (Water)	8.00	370.80

Cementing Treatment



DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amount of Cement Returned/Reversed	90
Calculated Displacement Volume (bbls)	388	Method Used to Verify Returns	Visual
Actual Displacement Volume (bbls)	388	Amount of Spacer to Surface	60
Did Float Hold?	Yes	Pressure Left on Casing (psi)	0
Bump Plug	Yes	Amount Bled Back After Job	4.5
Bump Plug Pressure (psi)	2200	Total Volume Pumped (bbls)	1232
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 U41-35-1XRLNB
 Job Type Long String

District Cheyenne
 Supervisor C. Johnson
 Engineer _____



Start Date/Time	Category	Event	Event ID	Density (lb/gal)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
5/6/18 0300	Mobilization	Callout	1					Crew called out requested on location at 1100
5/6/18 0930	Mobilization	Arrive on Location	48					Crew arrived on location
5/6/18 0940	Operational	Safety Meeting	53					Safety meeting
5/6/18 0955	Operational	Spot Units	49					Spotted all units
5/6/18 1005	Operational	Rig Up	50					Rigged up all equipment
5/6/18 1200	Operational	Safety Meeting	53					Safety meeting
5/6/18 1250	Operational	Prime Up	52	8.34	2	5	150	Fill lines with 5 bbls fresh water
5/6/18 1254	Operational	Pressure Test	54					Pressure test lines to 5000 psi
5/6/18 1304	Operational	Pump Spacer	56	12	3	60	250	Pump 20 bbls spacer at 12 ppg, pump 20 bbls spacer at 11.5 ppg, pump 20 bbls spacer at 11 ppg
5/6/18 1323	Operational	Pump Lead Cement	58	12.5	6	233	300	Pump 233 bbls lead cement at 12.5 ppg (630 sks, 2.08 Y, 11.84 gal/sk)
5/6/18 1404	Operational	Pump Tail Cement	60	13.5	6	546	150	Pump 546 bbls tail cement at 13.5 ppg (2071 sks, 1.48 Y, 7.45 gal/sk)
5/6/18 1539	Operational	Other (See comments)	76					Shutdwn
5/6/18 1541	Operational	Clean Pumps and Lines	62					Clean pumps and lines to the pit
5/6/18 1552	Operational	Drop Top Plug	63					Drop third party plug
5/6/18 1553	Operational	Pump Displacement	64	8.34	370	370	1700	Pump 388 bbls water displacement
5/6/181622	Operational	Spacer Back to Surface	65					Spacer back to surface at 235 bbls away, 60 bbls spacer to surface
5/6/18 1632	Operational	Cement Back to Surface	66					Cement back to surface at 295 bbls away, 90 bbls cement back to surface
5/6/18 1641	Operational	Other (See comments)	76	8.34	18	18	2000	Slow pump rate to 5 bpm at 370 bbls away
5/6/18 1644	Operational	Land Plug	67				2200	Land plug at 2200 psi took to 3200 psi
5/6/18 1647	Operational	Check Floats	68					Check floats, floats holding, 4.5 bbls back
5/6/18 1700	Operational	Safety Meeting	53					Safety meeting
5/6/18 1715	Operational	Rig Down	73					Rigged down all equipment
5/6/18 1830	Mobilization	Leave Location	74					Crew departed location

Customer: Bonanza Creek
 Well Number: U41-35-1XRLNB
 Lease Info: State North Platte



Print Date/Time

5/6/2018 5:07:56 PM



	Name	Y value	X value/time stamp	Tag name Y
1	DS - Press (PSI)	3306.4	5/6/2018 4:39:26 PM	Cementer\DS_DISCHARGE_PRESS_DIAL
2	DH - Density (PPG)	8.22	5/6/2018 4:39:36 PM	Cementer\DENSITY2_ACTUAL_RATE
3	Combined Rate (BPM)	0.00 i.	5/6/2018 4:39:29 PM i.	Cementer\Flow_Combined
4				
5				

Source: Control1 5:07:50 PM