



Bonanza Creek Energy

Surface Post Job Report

North Platte K21-O24-28HNB

S:28 T:5N R:63W Weld CO

Quote #:

17818

I Execution #:

10196



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	8/21/2018	Field Ticket#	FT-10196-T8J5H60202-61668
End Date	8/21/2018	Well	NORTH PLATTE K21-O24-28HNB
Client	BONANZA CREEK ENERGY	API#	05-123-46915
Client Field Rep.	Sam	County	WELD
Service Sup.	Roger Acuna	State/Province	CO
District	Cheyenne, WY	Execution ID	EXC-10196-T8J5H602
Type of Job	Surface	Project ID	PRJ1009951

WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)	Grade	Thread
Open Hole	13.50	0.00	0.00	1,550.00	1,639.00	30.00		
Casing	8.92	9.63	36.00	1,550.00	1,639.00		J-55	LTC

Shoe Length (ft): 42.00

HARDWARE

Top Plug Used?	Yes	Tool Type	Float Collar
Top Plug Provided By	Non BJ	Tool Depth (ft)	1,597.00
Top Plug Size	9.625	Max Casing Pressure - Rated (psi)	2,020.00
Centralizers Used	Yes	Max Casing Pressure - Operated (psi)	1,500.00
Centralizers Quantity	16.00	Pipe Movement	None
Centralizers Type	Bow	Job Pumped Through	Manifold
Landing Collar Depth (ft)	1,508	Top Connection Thread	LTC
		Top Connection Size	9.625

CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	Mud Density In (ppg)	8.80
Circulation Prior to Job	Yes	Mud Density Out (ppg)	8.80
Circulation Time (min)	60.00	Solids Present at End of Circulation	No
Circulation Rate (bpm)	4.00	Flare Prior to/during the Cement Job	No
Circulation Volume (bbls)	240.00	Gas Present	No
Lost Circulation Prior to Cement Job	No		

TEMPERATURE

Ambient Temperature (°F)	75.00	Slurry Cement Temperature (°F)	65.00
Mix Water Temperature (°F)	65.00		

Cementing Treatment



BJ FLUID DETAILS

Fluid Type	Fluid Name	Density (ppg)	Yield (Cu Ft/sk)	H2O Req. (gals/sk)	Length (Ft)	Vol (sk)	Vol (Cu Ft)	Vol (bbls)
Spacer / Pre Flush / Flush	Water (Pre-flush)	8.3308						20.0000
Tail Slurry	BJCem S100.3.XC	14.5000	1.3901	6.78	1550	720	1,002.0000	178.4000
Displacement Final	Water	8.3300					0.0000	123.5000

Fluid Type	Fluid Name	Component	Concentration	UOM
Tail Slurry	BJCem S100.3.XC	CEMENT, ASTM TYPE III	100.0000	PCT
Tail Slurry	BJCem S100.3.XC	FOAM PREVENTER, FP-13L	0.0300	GALS/SK

TREATMENT SUMMARY

Fluid	Rate (bpm)	Fluid Vol. (bbls)
Water (Pre-flush)	5.00	20.00
BJCem S100.3.XC	5.00	178.40
Water	5.00	116.60

DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amount of Cement Returned/Reversed	33.00
Calculated Displacement Volume (bbls)	123.50	Method Used to Verify Returns	Visual
Actual Displacement Volume (bbls)	123.50	Amount of Spacer to Surface	20.00
Did Float Hold?	Yes	Amount Bled Back After Job	1.00
Bump Plug	Yes	Total Volume Pumped (bbls)	315
Bump Plug Pressure (psi)	1,500.00	Top Out Cement Spotted	No
Were Returns Planned at Surface	Yes	Lost Circulation During Cement Job	No
Cement returns During Job	Full		

EVENT LOG



Customer Name: BONANZA CREEK ENERGY

Well Name: NORTH PLATTE K21-O24-28HNB

Job Type: Surface

Quote ID: QUO-17818-S1P9Q4

Plan ID: ORD-10196-T8J5H6

Execution ID: EXC-10196-T8J5H602

District: Cheyenne, WY

BJ Supervisor: Roger Acuna

Seq.	Start Dt./Time	Event	Density (ppg)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
1	08/21/2018 07:00	Callout					CALLED OUT RTS 13:00
2	08/21/2018 08:45	Safety Meeting					JOURNEY MANAGEMENT
3	08/21/2018 09:00	Leave Location					DEPART CHEYENNE WY
4	08/21/2018 12:30	Arrive on Location					ARRIVE ON LOCATION
5	08/21/2018 13:00	Customer					WAITING ON RIG TO FINISH RUNNING CASING AND CIRCULATING
6	08/21/2018 15:30	Safety Meeting					STEACS RIG UP
7	08/21/2018 15:45	Rig Up					RIG UP IRON AND HOSES
8	08/21/2018 16:15	Safety Meeting					PRE JOB SAFETY MEETING
9	08/21/2018 16:36	Start Pumping	8.3300	3.00	3.00	50.00	FILL LINES 3BBLS DYE WATER
10	08/21/2018 16:38	Pressure Test				2,500.00	TEST LINES
11	08/21/2018 16:45	Pump Spacer	8.3300	5.00	20.00	100.00	PUMP FRESH WATER SPACER
12	08/21/2018 16:48	Pump Lead Cement	14.5000	5.00	178.00	150.00	PUMP 178BBLS BJCEM S100.3.XC @ 14.5PPG (720SKS 1.39YLD 6.78GPS)
13	08/21/2018 17:24	End Pumping					SHUTDOWN
14	08/21/2018 17:29	Drop Top Plug					DROP TOP PLUG
15	08/21/2018 17:29	Pump Displacement	8.3300	5.00	103.00	300.00	PUMP FRESH WATER DISPLACEMENT
16	08/21/2018 17:55	Cement Back to Surface					CEMENT TO SURFACE @ 90BBLS INTO DISPLACEMENT
17	08/21/2018 17:57	Pump Displacement	8.3300	3.00	20.50	500.00	SLOW RATE TO LAND PLUG

EVENT LOG



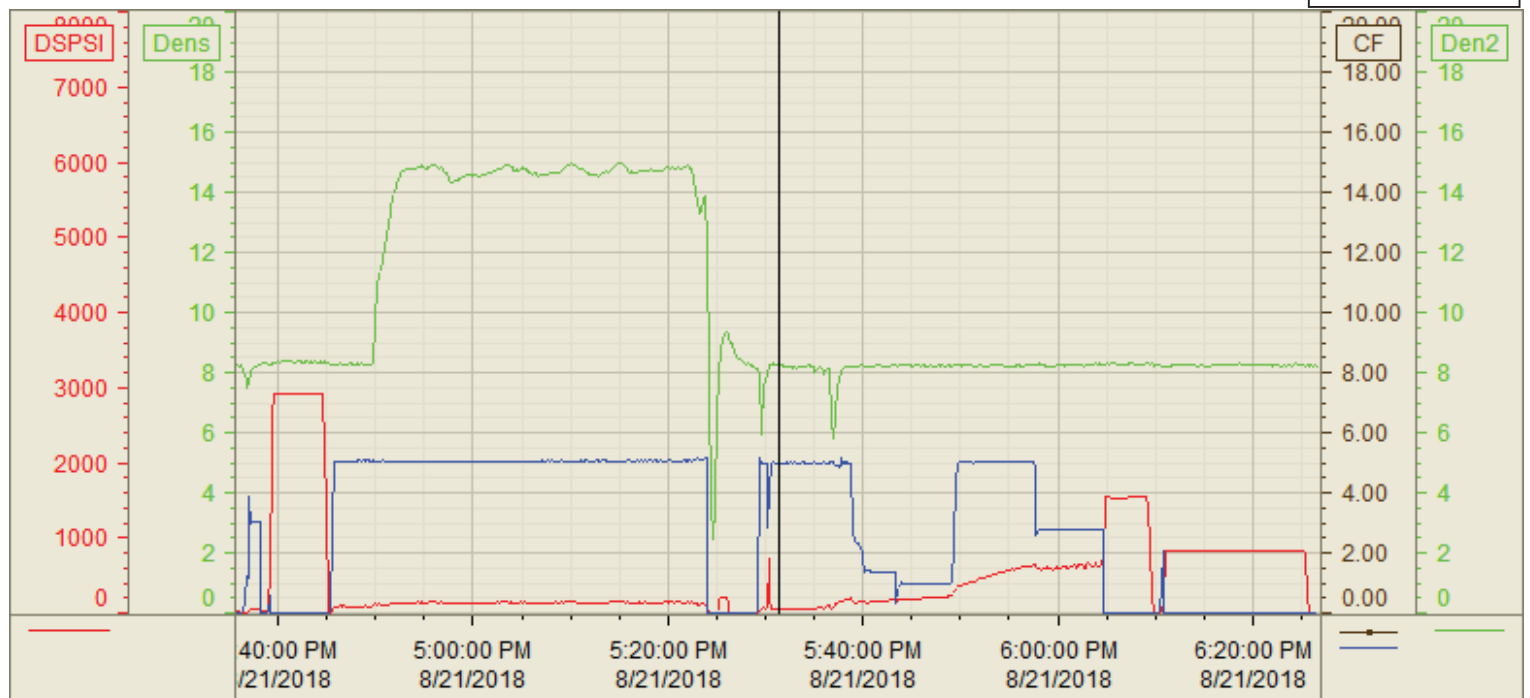
18	08/21/2018 18:04	Land Plug				1,500.00	LAND PLUG 500PSI OVER FINAL CIRCULATING PRESSURE
19	08/21/2018 18:10	Check Floats					CHECK FLOATS, FLOATS HELD GETTING 1BBL BACK TO THE PUMP
20	08/21/2018 18:10	Pressure Test				500.00	TEST CASING 500PSI FOR 15 MIN
21	08/21/2018 18:25	End Pumping					END JOB
22	08/21/2018 18:30	Safety Meeting					STEACS RIG DOWN
23	08/21/2018 18:45	Rig Down					RIG DOWN IRON AND HOSES
24	08/21/2018 19:30	Safety Meeting					JOURNEY MANAGEMENT
25	08/21/2018 19:45	Leave Location					DEPART LOCATION

Customer: BONANZA CREEK
Well Number: K21-O24-28HNB
Lease Info: NORTH PLATTE



Print Date/Time

8/21/2018 6:32:38 PM



	Name	Y value	X value/time stamp	Tag name Y
1	Combined Flow		8/21/2018 5:31:21 PM i.	Flow_Combined
2	DH - Density (PPG)	8.25	8/21/2018 5:31:20 PM	CementerDENSITY2_ACTUAL_RATE
3	Flow Total (BBLs)	4.99	8/21/2018 5:31:22 PM	CementerFlow_Combined
4	DS - Press (PSI)	52.3	8/21/2018 5:31:18 PM	CementerDS_DISCHARGE_PRESS_DIAL
5				

Source: Control1 6:32:38 PM