



# Cementing Service Report

9206249

Client Name Bonanza Creek Energy Operation Co, LLC	Well Name North Platte 21-24-34HNB	Rig Xtreme 22	Job Date September 14,2015	Call Sheet 1060772
Client Representative Mr. Tim Joel	Surface Well Location Sec 34:T5N:R63W	Down Hole Well Location	Job Type Intermediate Casing	Lead Supervisor Johnson, Quintin (23945)

## Well Profile

Well Type:	Oil
Maximum Treating Pressure (psi):	---
Predicted Bottom Hole Static Temperature (°F):	--- @ --
Bottom Hole Circulating Temperature (°F):	--- @ --
Bottom Hole Logged Temperature (°F):	--- @ --

## Open Hole

Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
8.750	--	0.000	6,938.000	--	--

## Casing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Internal Yield Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
7.000	26.000	P-110	6,210.0	9,520.0	265.08	6.276	7.656	0.0	6,928.0

## Products

### Stage 1

From Depth (ft): 0

To Depth (ft): 4377.2

Acids/Blends/Fluids :

Lead 1: 540 Sacks of 1-1-6 type III, Density = 12.5 lb/gal, Volume Pumped = 172.2 (bbl)

Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 60

+ 6 % of Gel (Preblend),

+ 0.8 % of CFL-2 (Preblend),

+ 0.4 % of AS-3 (Preblend),

+ 0.4 % of CDF-4P (Preblend),

+ 0.2 % of LTR (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend),

+ 0.1 % of LTR (Prehydrate)

### Stage 2

From Depth (ft): 4377.2

To Depth (ft): 6928

Acids/Blends/Fluids :

Tail: 345 Sacks of 1-1-2 G, Density = 14.6 lb/gal, Volume Pumped = 70 (bbl)

Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 60

+ 2 % of Gel (Preblend),

+ 0.6 % of CFL-8 (Preblend),

+ 0.2 % of ASM-5 (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend),

+ 0.1 % of LTR (Prehydrate)

## Fluid & Cement Data

Expected Cement Top: --

### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Feb 26, 2015 14:02

### Attachment & Tools

#### Tubular Plugs

<u>Tubular Plug Type</u>	<u>Size (in)</u>	<u>Supplier</u>
Rubber Top	7.000	Client

### Units & Personnel

<u>Units</u>							
<u>Truck Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Tractor Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Time On Location</u>	<u>Time Off Location</u>
201017	PICKUP	1 Ton	449087	TRAILER	Utility Trailer	09/14/2015 04:15	09/14/2015 12:30
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	09/14/2015 04:15	09/14/2015 12:30
446171	TRAILER	Bulker	746171	TRACTOR	Tandem - Tractor	09/14/2015 04:15	09/14/2015 12:30
446172	TRAILER	Bulker	746172	TRACTOR	Tandem - Tractor	09/14/2015 04:15	09/14/2015 12:30

#### Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Johnson, Quintin (23945)	09/14/2015 04:15	09/14/2015 12:30		
Pigg, Martin (28301)	09/14/2015 04:15	09/14/2015 12:30		
Martinez, Fernando (28421)	09/14/2015 04:15	09/14/2015 12:30		
Peterson, Ryan (28158)	09/14/2015 04:15	09/14/2015 12:30		

### Lab Testing

#### Fluid Compatibility Testing

Is Testing Required? Yes

Was Water Tested? Yes

Acid Titration (% HCL Equivalent): --

Stability:

Iron Control (Live Acid):

Emulsion Break Time

Live (Min.): --

Spent (Min.): --

Compatibility Tests

Mesh Size: --

Time and BHT (Min.): --

Live Acid: --

Spent Acid: --

Testing Comments

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Testing witnessed by \_\_\_\_\_ Signature \_\_\_\_\_

(Oil Company Representative)

### Treatment Reports & Remarks



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Treatment Report								
Event #	Event Time	Event Description	Fluid Type	Rate (bbl/min)	Tubular Pressure (psi)	Annular Pressure (psi)	Stage Volume (bbl)	Total Volume (bbl)
1	Sep 14,2015 04:15	Arrive On Location		--	--	--	--	0.00
		Remarks: arrived ahead of schedule						
2	Sep 14,2015 04:25	Tailgate Meeting		--	--	--	--	0.00
		Remarks: talked about spotting trucks						
3	Sep 14,2015 04:45	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: talked about site hazards and how to mitigate them						
4	Sep 14,2015 07:30	Rig In		--	--	--	--	0.00
		Remarks: rigged in our trucks and to water and ground iron to rig floor						
5	Sep 14,2015 07:50	Rig in Complete		--	--	--	--	0.00
		Remarks: gather for safety meeting						
6	Sep 14,2015 09:00	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: talked about the job scope and safety concerns						
7	Sep 14,2015 09:01	Sign-off on Safety		--	--	--	--	0.00
		Remarks: signed thier and our JSA						
8	Sep 14,2015 09:37	Pressure Test Start	Water	2.00	360.0	--	2.00	2.00
		Remarks: filled lines for pressure testing						
9	Sep 14,2015 09:40	Pressure Test Lines	Water	0.00	4,000.0	--	0.00	2.00
		Remarks: pressured lines and they held good						
10	Sep 14,2015 09:41	Pressure Test Complete		--	--	--	--	2.00
		Remarks: opened up to pump job						
11	Sep 14,2015 09:43	Pump Preflush	Water	5.00	400.0	--	20.00	22.00
		Remarks: pumped Sapp and WS-30						
12	Sep 14,2015 09:46	Pump Spacer	Water	5.00	400.0	--	10.00	32.00
		Remarks: pumped fresh between Preflush and Slurry						
13	Sep 14,2015 09:48	Mix Cement	1-1-6 type III	5.00	800.0	--	172.20	204.20
		Remarks: mixed lead slurry at 12.5 Yield at 1.79 and water requirement at 9.37						
14	Sep 14,2015 10:27	Mix Cement	1-1-2 G	5.00	200.0	--	70.00	274.20
		Remarks: mixed tail slurry at 14.6, yield at 1.14 and water requirement at 4.81						
15	Sep 14,2015 10:48	Drop Plug		--	--	--	--	274.20
		Remarks: stop to drop 7" plug						
16	Sep 14,2015 10:52	Pump Displacement	Water	5.00	1,700.0	--	263.70	537.90
		Remarks: displaced plug to float collar						
17	Sep 14,2015 11:55	Bump Plug	Water	2.00	2,300.0	--	263.70	801.60
		Remarks: bumped plug at 500psi over treating pressure						
18	Sep 14,2015 11:57	Check Float	Water	--	--	--	--	801.60
		Remarks: check float and got 3 bbls back						
19	Sep 14,2015 12:01	Pressure Test	Water	1.00	1,500.0	--	1.50	803.10
		Remarks: pressure up casing to 1500 and held for 10 minutes						
20	Sep 14,2015 12:11	Stop		--	--	--	--	803.10
		Remarks: stopped for rigging out						
21	Sep 14,2015 11:00	Wash	Water	--	--	--	--	803.10
		Remarks: washed up down hole during displacement						



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Event #	Event Time	Event Description	Fluid Type	Rate (bbl/min)	Tubular Pressure (psi)	Annular Pressure (psi)	Stage Volume (bbl)	Total Volume (bbl)
22	Sep 14,2015 12:13	Rig Out Remarks: rigged out rig floor and our trucks and water lines		--	--	--	--	803.10
23	Sep 14,2015 12:25	Job Complete Remarks: do complete walk around and check pins and trailers		--	--	--	--	803.10
24	Sep 14,2015 12:30	Leave Location Remarks: go back to Sanjel yard		--	--	--	--	803.10

Did Float Hold: Yes

Fluid Returns : Yes

Type : Cement

Volume (bbl) : 80

Temperature (°F) : 65

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

### Material Transfer Sheet Number

Material Transfer Sheet Number

65739

65738

65737



Client	Bonanza Creek Energy	Client Rep	Mr. Tim Joel	Supervisor	Quintin Elmer Johnson
Ticket No.	9206249	Well Name	North Platte 21-24-34HNB	Unit No.	445052
Location	Sec 34: T5N: R63W	Job Type	Intermediate Casing	Service District	Fort Lupton
Comments	Pump As Per Design			Job Date	09/14/2015

