



Cementing Service Report

9209078

Client Name Bonanza Creek Energy Operation Co, LLC	Well Name State Pronghorn 41-32-31 MRLNB	Rig Xtreme 22	Job Date November 14,2015	Call Sheet 1062488
Client Representative Mr. Tim Joel	Surface Well Location Sec 32:T5N:R61W	Down Hole Well Location	Job Type Surface Casing	Lead Supervisor Svoboda, Miloslav (28226)

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

<u>Size (in)</u>	<u>Excess (%)</u>	<u>TMD From (ft)</u>	<u>TMD To (ft)</u>	<u>TVD From (ft)</u>	<u>TVD To (ft)</u>
13.500	30.000	0.000	1,423.000	--	--

Casing

<u>Size</u> <u>(in)</u>	<u>Weight</u> <u>(lb/ft)</u>	<u>Grade</u>	<u>Collapse Pressure</u> <u>(psi)</u>	<u>Internal Yield Pressure</u> <u>(psi)</u>	<u>Capacity</u> <u>(bbl)</u>	<u>I.D.</u> <u>(in)</u>	<u>O.D.</u> <u>(in)</u>	<u>Depth From</u> <u>(ft)</u>	<u>Depth To</u> <u>(ft)</u>
9.625	36.000		--	--	--	8.921	--	0.0	1,413.0

Products

Stage 1

From Depth (ft): 0

To Depth (ft): 1413

Acids/Blends/Fluids :

Tail: 630 Sacks of 0:1:0 Type III, Density = 14.2 lb/gal, Volume Pumped = 164 (bbl)

Water Temperature(°F) = 50 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 56

+ 1 % of CaCl₂ (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

Stage 2

From Depth (ft):

To Depth (ft):

Acids/Blends/Fluids :

Fluid & Cement Data

Expected Cement Top: Surface

Wellbore Fluid

<u>Fluid Type</u>	<u>Viscosity (cP)</u>	<u>Density (lbs/gal)</u>	<u>Yield Point (psi)</u>	<u>Temperature (°F)</u>	<u>Recorded@</u>
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 Bottom	9.625	Client
Rubber Top	9.625	Client



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Units & Personnel**Units**

<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>
449095	TRAILER	Utility Trailer	201191	PICKUP	1 Ton	11/14/2015 11:15	11/14/2015 19:00
445046	TRAILER	SCM Twin	745046	TRACTOR	Tandem - Tractor	11/14/2015 11:15	11/14/2015 19:00
446172	TRAILER	Bulker	746172	TRACTOR	Tandem - Tractor	11/14/2015 11:15	11/14/2015 19:00
446173	TRAILER	Bulker	746173	TRACTOR	Tandem - Tractor	11/14/2015 11:15	11/14/2015 19:00

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Svoboda, Miloslav (28226)	11/14/2015 08:30	11/14/2015 23:44		
Pigg, Martin (28301)	11/14/2015 08:30	11/14/2015 23:44		
Faircloth, Branden (29706)	11/14/2015 08:30	11/14/2015 23:44		
Peterson, Ryan (28158)	11/14/2015 08:30	11/14/2015 23:44		

Treatment Reports & Remarks

Treatment Reports & Remarks

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	Nov 14,2015 10:25	Arrive On Location		--	--	--	--	0.00
		Remarks: sing in						
2	Nov 14,2015 10:45	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: tailgate meeting						
3	Nov 14,2015 14:35	Rig in Complete		--	--	--	--	0.00
4	Nov 14,2015 15:00	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: JSA with OSR, rigcrew						
5	Nov 14,2015 15:10	Drop Plug		--	0.0	--	--	0.00
		Remarks: bottom plug						
6	Nov 14,2015 15:44	Pressure Test Start		2.00	3,500.0	--	2.00	0.00
7	Nov 14,2015 15:46	Pressure Test Complete		--	--	--	--	0.00
		Remarks: pressure held						
8	Nov 14,2015 15:47	Pump Spacer	Water	6.00	100.0	--	20.00	0.00
		Remarks: fresh water						
9	Nov 14,2015 15:50	Mix Cement	0:1:0 Type III	5.50	150.0	--	164.00	0.00
		Remarks: mixed & pumped away						
10	Nov 14,2015 16:45	Drop Plug		--	0.0	--	--	0.00
		Remarks: top plug						
11	Nov 14,2015 16:48	Displace Plug	Water	5.50	400.0	--	106.00	0.00
12	Nov 14,2015 17:21	Bump Plug	Water	2.00	1,400.0	--	--	0.00
13	Nov 14,2015 17:23	Check Float		--	--	--	--	0.00
		Remarks: .5 bbl back						
14	Nov 14,2015 17:25	Pressure Test		--	1,500.0	--	--	0.00
		Remarks: casing test for 15 min						
15	Nov 14,2015 17:40	Stop		--	--	--	--	0.00
16	Nov 14,2015 17:55	Wash		--	--	--	--	0.00
		Remarks: wash pump						
17	Nov 14,2015 18:00	Rig Out		--	--	--	--	0.00
18	Nov 14,2015 18:10	Job Complete		--	--	--	--	0.00
19	Nov 14,2015 18:35	Pre-Departure Meeting		--	--	--	--	0.00
		Remarks: AAR						
20	Nov 14,2015 19:00	Leave Location		--	--	--	--	0.00

Did Float Hold: Yes
 Fluid Returns : Yes
 Type : Cement
 Volume (bbl) : 48
 Temperature (°F) : 65
 FDAS Functioning Correctly : Yes
 Was the Program Followed As Per Design? : Yes



Treatment Reports & Remarks	
Material Transfer Sheet Number	
<u>Material Transfer Sheet Number</u>	
	63802
	63803
	63804