



Cementing Service Report

9208115

Client Name Bonanza Creek Energy Operation Co, LLC	Well Name State Pronghorn 42-32-31 MRLNB	Rig Xtreme 22	Job Date November 08,2015	Call Sheet 1062321
Client Representative Mr. Tim Joel	Surface Well Location Sec 32:T5N:R61W	Down Hole Well Location	Job Type Surface Casing	Lead Supervisor Douglass, Brian (23898)

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	35.000	0.000	1,425.000	--	--

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	J-55	2,020.0	3,520.0	109.38	8.921	10.625	0.0	1,414.9

Products

Stage 1

From Depth (ft): 1425
To Depth (ft): 0

Acids/Blends/Fluids :

Tail: 630 Sacks of 0:1:0 Type III, Density = 14.2 lb/gal, Volume Pumped = 164 (bbl)
Water Temperature(°F) = 55 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 78
+ 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 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>
200925	PICKUP	1 Ton	449083	TRAILER	Utility Trailer	11/08/2015 14:00	11/09/2015 01:20
445046	TRAILER	SCM Twin	745046	TRACTOR	Tandem - Tractor	11/08/2015 14:00	11/09/2015 01:20
446171	TRAILER	Bulker	746171	TRACTOR	Tandem - Tractor	11/08/2015 14:00	11/09/2015 01:20
446172	TRAILER	Bulker	746172	TRACTOR	Tandem - Tractor	11/08/2015 14:00	11/09/2015 01:20
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>		<u>Second End Shift</u>		
Douglass, Brian (23898)	11/08/2015 14:00	11/09/2015 01:20					
Schroeder, Stephen (25442)	11/08/2015 14:00	11/09/2015 01:20					
Laeger, Kacey (25046)	11/08/2015 14:00	11/09/2015 01:20					
Decenick, Scott (30083)	11/08/2015 14:00	11/09/2015 01:20					
Devine, Richard (29733)	11/08/2015 14:00	11/09/2015 01:20					

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 08,2015 14:00	Arrive On Location		--	--	--	--	0.00	
2	Nov 08,2015 14:10	Crew Briefing (Rig in)		--	--	--	--	0.00	
3	Nov 08,2015 22:00	Rig in Complete		--	--	--	--	0.00	
4	Nov 08,2015 22:05	Crew Briefing (Pre Job)		--	--	--	--	0.00	
5	Nov 08,2015 22:28	Pressure Test Start		--	2,000.0	--	--	0.00	
6	Nov 08,2015 22:30	Pressure Test Complete		--	--	--	--	0.00	
7	Nov 08,2015 22:32	Pump	Water	5.00	--	--	20.00	20.00	
8	Nov 08,2015 22:37	Pump	0:1:0 Type III	3.00	125.0	--	164.00	184.00	
		Remarks: WR. 7.32 Yield. 1.46 Density. 14.2							
9	Nov 08,2015 23:55	Drop Plug		--	--	--	--	184.00	
10	Nov 08,2015 23:57	Displace Fluid	Water	6.00	500.0	--	106.00	290.00	
11	Nov 09,2015 00:30	Bump Plug		--	--	--	--	290.00	
12	Nov 09,2015 00:33	Check Float		--	--	--	--	290.00	
		Remarks: float held							
13	Nov 09,2015 00:35	Stop		--	1,500.0	--	--	290.00	
		Remarks: casing test for 15 mins							
14	Nov 09,2015 00:50	Rig Out		--	--	--	--	290.00	
15	Nov 09,2015 01:10	Job Complete		--	--	--	--	290.00	
16	Nov 09,2015 01:15	Pre-Departure Meeting		--	--	--	--	290.00	
17	Nov 09,2015 01:20	Leave Location		--	--	--	--	290.00	
Did Float Hold: Yes Fluid Returns : Yes Type : Cement Volume (bbl) : 38 Temperature (°F) : 78 FDAS Functioning Correctly : Yes Was the Program Followed As Per Design? : Yes									
Material Transfer Sheet Number <u>Material Transfer Sheet Number</u> 63730 63729 63731									