



Cementing Service Report

9208138

Client Name Bonanza Creek Energy Operation Co, LLC	Well Name State Pronghorn w-32-31 MRLNB	Rig Xtreme 22	Job Date November 07,2015	Call Sheet 1062290
Client Representative Mr. Tim Joel	Surface Well Location Sec 32:T5N:R61W	Down Hole Well Location	Job Type Intermediate Casing	Lead Supervisor Klosterman, Austin (27698)

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	30.000	1,411.000	6,776.000	--	--

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	J-55	4,330.0	4,980.0	259.26	6.276	7.656	0.0	6,776.0

Products

Stage 1

From Depth (ft): 0

To Depth (ft): 4630.5

Acids/Blends/Fluids :

Lead 1: 525 Sacks of 1-1-6 type III, Density = 12.5 lb/gal, Volume Pumped = 168 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 66

+ 6 % of Gel (Preblend),

+ 0.8 % of CFL-2 (Preblend),

+ 0.4 % of ASM-3 (Preblend),

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

+ 0.2 % of LTR (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

Stage 2

From Depth (ft): 4630.5

To Depth (ft): 6776

Acids/Blends/Fluids :

Tail: 290 Sacks of 1-1-2 G, Density = 14.6 lb/gal, Volume Pumped = 59 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 66

+ 2 % of Gel (Preblend),

+ 0.6 % of CFL-8 (Preblend),

+ 0.2 % of ASM-5 (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

Fluid & Cement Data

Expected Cement Top: Surface

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Feb 26, 2015 14:02
Water Based Mud	--	--	--	--	Mar 02, 2015 20:51

**Attachment & Tools****Tubular Plugs**

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

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>
446200	TRAILER	Bulker	746200	TRACTOR	Tandem - Tractor	11/07/2015 15:30	11/07/2015 22:30
446201	TRAILER	Bulker	746201	TRACTOR	Tandem - Tractor	11/07/2015 15:30	11/07/2015 22:30
201017	PICKUP	1 Ton				11/07/2015 15:30	11/07/2015 22:30
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	11/07/2015 15:30	11/07/2015 22:30

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Vitera, John (29843)	11/07/2015 15:30	11/07/2015 23:00		
Meisner, Jeremy (27681)	11/07/2015 15:30	11/07/2015 23:00		
Prigmore, Dominic (27161)	11/07/2015 15:30	11/07/2015 23:00		
Schroeder, Stephen (25442)	11/07/2015 15:30	11/07/2015 23:00		
Leue, David (28684)	11/07/2015 15:30	11/07/2015 23:00		

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 07,2015 15:30	Arrive On Location		--	--	--	--	0.00	
2	Nov 07,2015 17:30	Crew Briefing (Rig in)		--	--	--	--	0.00	
3	Nov 07,2015 18:30	Rig in Complete		--	--	--	--	0.00	
4	Nov 07,2015 19:15	Crew Briefing (Pre Job)		--	--	--	--	0.00	
5	Nov 07,2015 19:46	Pressure Test Start	Water	--	4,000.0	--	--	0.00	
6	Nov 07,2015 19:47	Pressure Test Complete	Water	--	4,000.0	--	--	0.00	
		Remarks: Good test. psi held.							
7	Nov 07,2015 19:50	Pump Preflush	Water	5.00	500.0	--	20.00	20.00	
8	Nov 07,2015 19:56	Mix Cement	1-1-6 type III	6.00	485.0	--	168.00	188.00	
		Remarks: Lead slurry to surface. (41 bbls)							
9	Nov 07,2015 20:26	Mix Cement	1-1-2 G	5.00	330.0	--	59.00	247.00	
		Remarks: T.O.C 4,630.50'							
10	Nov 07,2015 20:41	Stop		--	--	--	--	247.00	
11	Nov 07,2015 20:47	Drop Plug	Water	--	--	--	--	247.00	
12	Nov 07,2015 20:48	Displace Fluid	Water	7.50	1,500.0	--	260.00	507.00	
13	Nov 07,2015 21:28	Bump Plug	Water	--	2,500.0	--	--	507.00	
14	Nov 07,2015 21:30	Check Float	Water	--	--	--	--	507.00	
		Remarks: 2.5 bbls back							
15	Nov 07,2015 21:31	Hold Pressure	Water	--	1,550.0	--	2.00	509.00	
		Remarks: Held psi for 15 min.							
16	Nov 07,2015 22:05	Job Complete		--	--	--	--	509.00	
17	Nov 07,2015 22:30	Leave Location		--	--	--	--	509.00	
Did Float Hold: Yes Fluid Returns : Yes Type : Cement Volume (bbl) : 40 Temperature (°F) : 66 FDAS Functioning Correctly : Yes Was the Program Followed As Per Design? : Yes									
Material Transfer Sheet Number <u>Material Transfer Sheet Number</u> 63715 63711 63716									