



Cementing Service Report

9204353

Client Name Bonanza Creek Energy Operation Co, LLC	Well Name State Pronghorn 44-32- 31MRLNB	Rig Xtreme 20	Job Date May 19,2015	Call Sheet 1057822
Client Representative Mr. Kenny Graham	Surface Well Location Sec 32:T5N:R64W	Down Hole Well Location	Job Type Intermediate Casing	Lead Supervisor Lopez, Armando (29064)

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	35.000	447.000	6,458.000	--	--

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	247.09	6.276	7.656	0.0	6,458.0
9.625	36.000	J-55	2,020.0	3,520.0	34.56	8.921	10.625	0.0	447.0

Products

Stage 1

From Depth (ft): 0

To Depth (ft): 4516

Acids/Blends/Fluids :

Lead 1: 560 Sacks of 1-1-6 type III, Density = 12.5 lb/gal, Volume Pumped = 178 (bbl)

Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 80

+ 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)

Stage 2

From Depth (ft): 4616

To Depth (ft): 6458

Acids/Blends/Fluids :

Tail: 275 Sacks of 1-1-2 G, Density = 14.6 lb/gal, Volume Pumped = 56 (bbl)

Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 80

+ 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****Down Hole Tools**

<u>Tool Type</u>	<u>Depth (ft)</u>	<u>Supplier</u>
Guide Shoe	6,458.000	Third Party
Guide/Float Shoe	6,415.000	Third Party

Tubular Plugs

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

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>
449087	TRAILER	Utility Trailer	201168	PICKUP	1 Ton	05/19/2015 02:00	05/19/2015 08:00
445051	TRAILER	SCM Twin	745051	TRACTOR	Tandem - Tractor	05/19/2015 02:00	05/19/2015 08:00
201168	PICKUP	1 Ton				05/19/2015 02:00	05/19/2015 08:00

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Lopez, Armando (29064)	05/19/2015 02:00	05/19/2015 08:00		
Lindsay, Kevin (27589)	05/19/2015 02:00	05/19/2015 08:00		
Cox, Brandon (27419)	05/19/2015 02:00	05/19/2015 08:00		
Martinez, Fernando (28421)	05/19/2015 02:00	05/19/2015 08:00		
Schroeder, Stephen (25442)	05/19/2015 02:00	05/19/2015 08:00		

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	May 19,2015 02:00	Arrive On Location		--	--	--	--	0.00	
2	May 19,2015 02:10	Crew Briefing (Rig in)		--	--	--	--	0.00	
3	May 19,2015 03:50	Rig in Complete		--	--	--	--	0.00	
4	May 19,2015 04:00	Crew Briefing (Pre Job)		--	--	--	--	0.00	
5	May 19,2015 04:24	Start - Fluid	Water	2.00	150.0	--	2.00	2.00	
		Remarks: Fill lines							
6	May 19,2015 04:26	Pressure Test Start		--	5,000.0	--	--	0.00	
7	May 19,2015 04:27	Pressure Test Complete		--	--	--	--	0.00	
8	May 19,2015 04:28	Pump Spacer	Water	5.00	250.0	--	20.00	22.00	
		Remarks: Water with Poly flake and WS30							
9	May 19,2015 04:38	Pump Spacer	Water	5.00	200.0	--	5.00	27.00	
10	May 19,2015 04:39	Mix Cement	1-1-6 type III	7.00	800.0	--	177.00	204.00	
		Remarks: Pumped 560 sacks Density 12.5 Yield 1.78 Water 9.34							
11	May 19,2015 05:04	Mix Cement	1-1-2 G	4.00	200.0	--	58.00	262.00	
		Remarks: Pumped 275 sacks Density 14.6 Yield 1.14 Water 4.81							
12	May 19,2015 05:15	Drop Plug		--	--	--	--	262.00	
		Remarks: 3rd party plug							
13	May 19,2015 05:20	Displace Fluid	Water	6.00	100.0	--	246.00	508.00	
14	May 19,2015 06:06	Bump Plug		--	--	--	--	508.00	
		Remarks: Before plug landed pressure was 1730 psi landed plug with 2420 psi.							
15	May 19,2015 06:11	Check Float		--	--	--	--	508.00	
		Remarks: Got 2 bbls back							
16	May 19,2015 06:15	Stop		--	--	--	--	0.00	
		Remarks: Got 12 bbls 37 sacks of cement to surface							
17	May 19,2015 06:20	Wash		--	--	--	--	0.00	
18	May 19,2015 06:50	Rig Out		--	--	--	--	0.00	
19	May 19,2015 07:40	Job Complete		--	--	--	--	0.00	
20	May 19,2015 07:45	Pre-Departure Meeting		--	--	--	--	0.00	
21	May 19,2015 08:00	Leave Location		--	--	--	--	0.00	
Did Float Hold: Yes Fluid Returns : Yes Type : Cement Volume (bbl) : 12 Temperature (°F) : 70 FDAS Functioning Correctly : Yes Was the Program Followed As Per Design? : Yes									
Material Transfer Sheet Number									
Material Transfer Sheet Number									
57903									
57905									
57904									



Client	Bonanza Creek	Client Rep	Kenny Graham	Supervisor	Armando Lopez
Ticket No.	9204353	Well Name	State Pronghorn 44-32-31 MRLNB	Unit No.	745051, 445052
Location	Sec32:T5N:R64W	Job Type	Intermediate Casing	Service District	Ft Lupton Co
Comments				Job Date	05/19/2015

