



## Pumping Service Report

**9204332**

Client Name Bonanza Creek Energy Operation Co, LLC	Well Name State Pronghorn X44 - 32 - 31 - MRLNC	Rig Xtreme 20	Job Date May 19,2015	Call Sheet 1057838
Client Representative Mr. Kenny Graham	Surface Well Location SE SE Sec 32:T5N:R61W	Down Hole Well Location	Job Type Surface Casing	Lead Supervisor Hansen, Kevin (27592)

### 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	457.000	--	--

### Casing

<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Collapse Pressure</u>	<u>Internal Yield Pressure</u>	<u>Capacity</u>	<u>I.D.</u>	<u>O.D.</u>	<u>Depth From</u>	<u>Depth To</u>
<u>(in)</u>	<u>(lb/ft)</u>		<u>(psi)</u>	<u>(psi)</u>	<u>(bbl)</u>	<u>(in)</u>	<u>(in)</u>	<u>(ft)</u>	<u>(ft)</u>
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):	457

Acids/Blends/Fluids :

Tail: 225 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 53 (bbl)  
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 65  
+ 1 % of CaCl<sub>2</sub> (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

#### Down Hole Tools

<u>Tool Type</u>	<u>Depth (ft)</u>	<u>Supplier</u>
Guide Shoe	447.000	Client
Float Collar	403.000	Client

#### 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>
201025	PICKUP	1 Ton	449095	TRAILER	Utility Trailer	05/19/2015 18:30	05/19/2015 23:30
445051	TRAILER	SCM Twin	745051	TRACTOR	Tandem - Tractor	05/19/2015 18:30	05/19/2015 23:30
446200	TRAILER	Bulker	746200	TRACTOR	Tandem - Tractor	05/19/2015 18:30	05/19/2015 23:30
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>		<u>End Shift</u>	<u>Second Start Shift</u>		<u>Second End Shift</u>	
Hansen, Kevin (27592)	05/19/2015 18:30		05/19/2015 23:30				
Schroeder, Stephen (25442)	05/19/2015 18:30		05/19/2015 23:30				
Hansen, Ted (29055)	05/19/2015 18:30		05/19/2015 23:30				
Vitera, John (29843)	05/19/2015 18:30		05/19/2015 23:30				
Hilt, Brandon (30128)	05/19/2015 18:30		05/19/2015 23:30				



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### 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 18:30	Arrive On Location		--	--	--	--	0.00
2	May 19,2015 18:40	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: Discussed spotting trucks and filled out JSA						
3	May 19,2015 19:55	Rig in Complete		--	--	--	--	0.00
4	May 19,2015 21:15	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Discussed job and safety concerns with rig crew and signed JSA						
5	May 19,2015 21:35	Pressure Test Start	Water	2.00	50.0	--	2.00	2.00
		Remarks: Filled lines for pressure test						
6	May 19,2015 21:39	Pressure Test Complete		--	2,000.0	--	--	2.00
		Remarks: Pressure test good						
7	May 19,2015 21:40	Pump	Water	4.00	80.0	--	10.00	12.00
		Remarks: Pumped Gel and Polyflake						
8	May 19,2015 21:43	Pump Spacer	Water	4.00	85.0	--	10.00	22.00
		Remarks: Fresh water spacer						
9	May 19,2015 21:46	Mix Cement	0:1:0 Type III	4.00	100.0	--	53.00	75.00
		Remarks: Pumped @ D-14.8, Y-1.33, WR-6.34						
10	May 19,2015 22:34	Drop Plug		--	--	--	--	75.00
11	May 19,2015 22:36	Displace Fluid	Water	4.00	300.0	--	31.00	106.00
12	May 19,2015 22:45	Bump Plug		--	800.0	--	--	106.00
		Remarks: Bumped 500 over						
13	May 19,2015 22:49	Check Float		--	--	--	--	106.00
		Remarks: Floats held .5 bbl back						
14	May 19,2015 22:50	Job Complete		--	--	--	--	106.00
15	May 19,2015 22:55	Wash		--	--	--	--	106.00
16	May 19,2015 23:13	Rig Out		--	--	--	--	106.00
17	May 19,2015 23:25	Pre-Departure Meeting		--	--	--	--	106.00
		Remarks: Discussed journey management						
18	May 19,2015 23:30	Leave Location		--	--	--	--	106.00

Did Float Hold: Yes

Fluid Returns : Yes

Type : Cement

Volume (bbl) : 10

Temperature (°F) : 70

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

#### Material Transfer Sheet Number

Material Transfer Sheet Number

57910

57911



Client	Bonanza Creek Energy	Client Rep	Kenny Graham	Supervisor	Kevin Hansen
Ticket No.	9204332	Well Name	State Pronghorn X44-32-31-MRNLC	Unit No.	745051, 445052
Location	SE SE Sec 32:T5N:R61W	Job Type	Surface Casing	Service District	Fort Lupton
Comments	225 sacks type III 53bbl @ D-14.8, Y-1.33, WR- 6.34			Job Date	05/19/2015

