



## Cementing Service Report

9208140

Client Name Bonanza Creek Energy Operation Co, LLC	Well Name State Pronghorn V-32-31 MRLNB	Rig Xtreme 22	Job Date November 11,2015	Call Sheet 1062416
Client Representative Mr. Tim Joel	Surface Well Location Sec 32:T5N:R61W	Down Hole Well Location	Job Type Miscellaneous Pumping	Lead Supervisor Prigmore, Dominic (27161)

### 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	1,425.000	--	--

### 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	109.39	8.921	10.625	0.0	1,415.0

### Products

#### Stage 1

From Depth (ft): 0

To Depth (ft): 1425

Acids/Blends/Fluids :

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

Water Temperature(°F) = 45 , Bulk Temperature(°F) = 45 , Slurry Temperature(°F) = 55

+ 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>
Float Collar	1,370.000	Third Party
Guide/Float Shoe	1,415.000	Third Party

#### Tubular Plugs

<u>Tubular Plug Type</u>	<u>Size (in)</u>	<u>Supplier</u>
Rubber Top	9.625	Client



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>
449083	TRAILER	Utility Trailer	201401	PICKUP	1 Ton	11/11/2015 11:00	11/11/2015 20:00
445046	TRAILER	SCM Twin	745046	TRACTOR	Tandem - Tractor	11/11/2015 11:00	11/11/2015 20:00
446200	TRAILER	Bulker	746200	TRACTOR	Tandem - Tractor	11/11/2015 11:00	11/11/2015 20:00
446201	TRAILER	Bulker	746201	TRACTOR	Tandem - Tractor	11/11/2015 11:00	11/11/2015 20:00
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>		<u>Second End Shift</u>		
Prigmore, Dominic (27161)	11/11/2015 11:00	11/11/2015 20:00					
Pigg, Martin (28301)	11/11/2015 11:00	11/11/2015 20:00					
Curtner, Jerry (28310)	11/11/2015 11:00	11/11/2015 20:00					
Davila, Israel (28152)	11/11/2015 11:00	11/11/2015 20:00					

Treatment Reports & Remarks									
Treatment Report									
Event #	Event Time	Event Description	Fluid Type	Rate	Tubular Pressure	Annular Pressure	Stage Volume	Total Volume	
				(bbl/min)	(psi)	(psi)	(bbl)	(bbl)	
1	Nov 11,2015 11:00	Arrive On Location		--	--	--	--	0.00	
2	Nov 11,2015 11:10	Crew Briefing (Rig in)		--	--	--	--	0.00	
3	Nov 11,2015 13:00	Rig in Complete		--	--	--	--	0.00	
4	Nov 11,2015 13:45	Crew Briefing (Pre Job)		--	--	--	--	0.00	
5	Nov 11,2015 16:37	Pressure Test Start	Water	--	2,500.0	--	--	0.00	
6	Nov 11,2015 16:40	Pressure Test Complete	Water	--	2,500.0	--	--	0.00	
Remarks: Pressure Held. Good Pressure Test									
7	Nov 11,2015 16:40	Establish Circulation	Water	6.00	100.0	--	15.00	15.00	
Remarks: Circulation Achieved. Pumped WG-1L and polyflake.									
8	Nov 11,2015 16:46	Mix Cement	0:1:0 Type III	3.00	150.0	--	164.00	179.00	
Remarks: Cement to surface.									
9	Nov 11,2015 18:06	Stop		--	--	--	--	179.00	
10	Nov 11,2015 18:06	Drop Plug		--	--	--	--	179.00	
11	Nov 11,2015 18:09	Displace Fluid	Water	5.00	200.0	--	106.00	285.00	
Remarks: 40 bbls. back to surface.									
12	Nov 11,2015 18:39	Bump Plug	Water	--	1,400.0	--	--	285.00	
13	Nov 11,2015 18:40	Check Float		--	--	--	--	285.00	
Remarks: .50 bbl back									
14	Nov 11,2015 18:42	Hold Pressure	Water	--	1,600.0	--	--	285.00	
Remarks: 1600 for 15 min. Pressure held good.									
15	Nov 11,2015 19:30	Job Complete		--	--	--	--	285.00	
16	Nov 11,2015 19:45	Leave Location		--	--	--	--	285.00	
Did Float Hold:									
Fluid Returns :		Yes							
Type :		Cement							
Volume (bbl) :		40							
Temperature (°F) :		59							
FDAS Functioning Correctly : Yes									
Was the Program Followed As Per Design? : Yes									
Material Transfer Sheet Number									
Material Transfer Sheet Number									
63765									
63764									
63763									