



Cementing Service Report

9208116

Client Name Bonanza Creek Energy Operation Co, LLC	Well Name State Pronghorn 42 - 32 - 31 MRLNB	Rig Xtreme 22	Job Date November 10,2015	Call Sheet 1062382
Client Representative Mr. Tim Joel	Surface Well Location Sec 32:T5N:R61W	Down Hole Well Location	Job Type Intermediate 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>
8.750	30.000	0.000	6,549.000	--	--

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>
7.000	26.000	L-80	5,410.0	7,240.0	250.19	6.276	7.656	0.0	6,539.0

Products

Stage 1

From Depth (ft): 5000

To Depth (ft): 0

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) = 50 , Slurry Temperature(°F) = 78

+ 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): 6549

To Depth (ft): 5000

Acids/Blends/Fluids :

Tail: 265 Sacks of 1-1-2 G, Density = 14.6 lb/gal, Volume Pumped = 54.5 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 78

+ 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

<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
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	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	200925	PICKUP	1 Ton	11/10/2015 14:00	11/10/2015 19:20
445045	TRAILER	SCM Twin	745046	TRACTOR	Tandem - Tractor	11/10/2015 14:00	11/10/2015 19:20
446200	TRAILER	Bulker	746200	TRACTOR	Tandem - Tractor	11/10/2015 14:00	11/10/2015 19:20
446201	TRAILER	Bulker	746201	TRACTOR	Tandem - Tractor	11/10/2015 14:00	11/10/2015 19:20
201346	PICKUP	1/2 Ton				11/10/2015 14:00	11/10/2015 19:20

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)	11/10/2015 14:00	11/10/2015 19:20		
Pigg, Martin (28301)	11/10/2015 14:00	11/10/2015 19:20		
Wilson, Johnny (30052)	11/10/2015 14:00	11/10/2015 19:20		
Decenick, Scott (30083)	11/10/2015 14:00	11/10/2015 19:20		
Joyner, Barlen (28603)	11/10/2015 14:00	11/10/2015 19:20		



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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	Nov 10,2015 14:00	Arrive On Location		--	--	--	--	0.00	
2	Nov 10,2015 14:10	Crew Briefing (Rig in)		--	--	--	--	0.00	
3	Nov 10,2015 16:00	Rig in Complete		--	--	--	--	0.00	
4	Nov 10,2015 16:20	Crew Briefing (Pre Job)		--	--	--	--	0.00	
5	Nov 10,2015 16:40	Pressure Test Start		--	4,000.0	--	--	0.00	
6	Nov 10,2015 16:41	Pressure Test Complete		--	--	--	--	0.00	
7	Nov 10,2015 16:42	Pump Preflush	Water	5.00	800.0	--	5.00	5.00	
8	Nov 10,2015 16:44	Pump Preflush	Water	5.00	400.0	--	20.00	25.00	
		Remarks: mud flush							
9	Nov 10,2015 16:48	Pump Preflush	Water	5.00	300.0	--	5.00	30.00	
10	Nov 10,2015 16:50	Pump	1-1-6 type III	5.00	250.0	--	168.00	198.00	
		Remarks: WR: 9.5 Yield: 1.80 Density: 12.5							
11	Nov 10,2015 17:17	Pump	1-1-2 G	5.00	300.0	--	54.50	252.50	
		Remarks: WR: 4.83 Yield: 1.15 Density: 14.6							
12	Nov 10,2015 17:37	Drop Plug		--	--	--	--	252.50	
13	Nov 10,2015 17:39	Displace Fluid	Water	6.50	2,000.0	--	148.70	252.50	
14	Nov 10,2015 18:36	Stop		--	--	--	--	252.50	
15	Nov 10,2015 18:39	Check Float		--	--	--	--	252.50	
		Remarks: float held							
16	Nov 10,2015 18:40	Rig Out		--	--	--	--	252.50	
17	Nov 10,2015 19:00	Job Complete		--	--	--	--	252.50	
18	Nov 10,2015 19:10	Pre-Departure Meeting		--	--	--	--	252.50	
19	Nov 10,2015 19:20	Leave Location		--	--	--	--	252.50	
Did Float Hold: Yes									
Fluid Returns : Yes									
Type : Cement									
Volume (bbl) : 60									
Temperature (°F) : 78									
FDAS Functioning Correctly : Yes									
Was the Program Followed As Per Design? : Yes									
Material Transfer Sheet Number									
Material Transfer Sheet Number									
6737									
6736									
6738									