



Cementing Service Report

9204340

Client Name Bonanza Creek Energy Operation Co, LLC	Well Name Pronghorn 13-43-28 HNC	Rig Craig 4	Job Date June 21,2015	Call Sheet 1058535
Client Representative Mr. Jason Kough	Surface Well Location SW SW Sec 28: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	100.000	0.000	770.000	--	--

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	58.60	8.921	10.625	0.0	758.0

Products

Stage 1

From Depth (ft):	0
To Depth (ft):	758

Acids/Blends/Fluids :

Tail: 422 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 100 (bbl)
Water Temperature(°F) = 98 , Bulk Temperature(°F) = 98 , Slurry Temperature(°F) = 101
+ 1 % of CaCl₂ (Preblend),
+ 0.25 lb/sack of Polyflake (Preblend),
+ 0.2 % of CDF-4P (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	716.000	Client
Guide Shoe	758.000	

Tubular Plugs

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



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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>
201017	PICKUP	1 Ton				06/21/2015 17:00	06/21/2015 20:00
445051	TRAILER	SCM Twin	745051	TRACTOR	Tandem - Tractor	06/21/2015 17:00	06/21/2015 20:00
446172	TRAILER	Bulker	746172	TRACTOR	Tandem - Tractor	06/21/2015 17:00	06/21/2015 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>
Hansen, Kevin (27592)	06/21/2015 17:00		06/21/2015 20:00				
Svoboda, Miloslav (28226)	06/21/2015 17:00		06/21/2015 20:00				
Hilt, Brandon (30128)	06/21/2015 17:00		06/21/2015 20:00				
Bark, Eric (28944)	06/21/2015 17:00		06/21/2015 20:00				

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	Jun 21,2015 17:00	Arrive On Location		--	--	--	--	0.00	
2	Jun 21,2015 17:10	Crew Briefing (Rig in)		--	--	--	--	0.00	
		Remarks: Discussed spotting of trucks and filled out JSA							
3	Jun 21,2015 17:30	Rig in Complete		--	--	--	--	0.00	
4	Jun 21,2015 17:35	Crew Briefing (Pre Job)		--	--	--	--	0.00	
		Remarks: Discussed job and safety concerns with rig crew							
5	Jun 21,2015 17:45	Pressure Test Start		2.00	50.0	--	2.00	2.00	
		Remarks: Filled lines for pressure test							
6	Jun 21,2015 17:49	Pressure Test Complete		--	2,000.0	--	--	2.00	
		Remarks: Pressure test good							
7	Jun 21,2015 17:50	Pump	Water	4.00	50.0	--	10.00	12.00	
		Remarks: Pumped Gel and Polyflake							
8	Jun 21,2015 17:53	Pump Spacer	Water	4.00	35.0	--	10.00	22.00	
		Remarks: Pumped fresh water spacer							
9	Jun 21,2015 19:12	Mix Cement	0:1:0 Type III	4.00	55.0	--	100.00	122.00	
		Remarks: Pumped 422 sacks- 100 bbl @ D-14.8, Y-1.33, WR-6.34							
10	Jun 21,2015 19:14	Mix Cement		--	--	--	--	122.00	
		Remarks: Weigh mud on scale to verify weight							
11	Jun 21,2015 18:22	Drop Plug		--	--	--	--	122.00	
12	Jun 21,2015 18:23	Displace Fluid	Water	4.00	300.0	--	56.00	178.00	
13	Jun 21,2015 18:43	Bump Plug		--	800.0	--	--	178.00	
		Remarks: Bumped 500 over							
14	Jun 21,2015 18:48	Check Float		--	--	--	--	178.00	
		Remarks: Floats held .5 bbl back							
15	Jun 21,2015 18:50	Job Complete		--	--	--	--	178.00	
16	Jun 21,2015 19:00	Wash		--	--	--	--	178.00	
17	Jun 21,2015 19:30	Rig Out		--	--	--	--	178.00	
18	Jun 21,2015 19:55	Pre-Departure Meeting		--	--	--	--	178.00	
		Remarks: Discussed journey management							
19	Jun 21,2015 20:00	Leave Location		--	--	--	--	178.00	
Did Float Hold: Yes Fluid Returns : Yes Type : Cement Volume (bbl) : 30 Temperature (°F) : 105 FDAS Functioning Correctly : Yes Was the Program Followed As Per Design? : Yes									
Material Transfer Sheet Number <u>Material Transfer Sheet Number</u> 57188 57190									



Client	Bonanza Creek	Client Rep	Jason Kough	Supervisor	Kevin Hansen
Ticket No.	9204340	Well Name	Pronghorn 13-43-28 HNC	Unit No.	745051
Location	sw sw sec 28:T5N:R61W	Job Type	Surface Casing	Service District	D505
Comments	422 sacks of tail 0:1:0 Type III @14.8 ppg			Job Date	06/21/2015

