



Pumping Service Report

9206203

Client Name Bonanza Creek Energy Operation Co, LLC	Well Name State Pronghorn X44-32-31 MRLNC	Rig Xtreme 20	Job Date May 22,2015	Call Sheet 1057903
Client Representative Mr. Kenny Graham	Surface Well Location SE SE Sec 32:T5N:R61W	Down Hole Well Location	Job Type Intermediate Casing	Lead Supervisor Maguire, Matthew (26325)

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	--	--	--	--

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)
9.625	36.000	J-55	2,020.0	3,520.0	34.40	8.921	10.625	0.0	445.0
7.000	26.000	P-110	6,210.0	9,520.0	252.26	6.276	7.656	0.0	6,593.0

Products

Stage 1

From Depth (ft):	0
To Depth (ft):	4925

Acids/Blends/Fluids :

Lead 1: 550 Sacks of 1-1-6 type III, Density = 12.5 lb/gal, Volume Pumped = 175.3 (bbl)
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 50
+ 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):	4925
To Depth (ft):	6593

Acids/Blends/Fluids :

Tail: 300 Sacks of 1-1-2 G, Density = 14.6 lb/gal, Volume Pumped = 60.9 (bbl)
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 50
+ 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

Acidizing • Cementing • Coiled Tubing • Fracturing • Nitrogen

Canada • USA • International

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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>
201173	PICKUP	1 Ton	449095	TRAILER	Utility Trailer	05/22/2015 02:30	05/22/2015 10:30
445052	TRAILER	SCM Twin	745052	TRACTOR	Tandem - Tractor	05/22/2015 02:30	05/22/2015 10:30

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Maguire, Matthew (26325)	05/22/2015 02:30	05/22/2015 10:30		
Devine, Richard (29733)	05/22/2015 02:30	05/22/2015 10:30		
Dunsbergen, Scott (29737)	05/22/2015 02:30	05/22/2015 10:30		
Peterson, Ryan (28158)	05/22/2015 02:30	05/22/2015 10:30		

Treatment Reports & Remarks



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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 22,2015 02:30	Arrive On Location		--	--	--	--	0.00
		Remarks: Signed in at lease entrance, checked in with company rep Mr. Jason Kough.						
2	May 22,2015 02:55	Tailgate Meeting		--	--	--	--	0.00
		Remarks: Filled out JSA.						
3	May 22,2015 04:00	Crew Briefing (Rig in)		--	--	--	--	0.00
4	May 22,2015 05:30	Rig in Complete		--	--	--	--	0.00
5	May 22,2015 05:45	Crew Briefing (Pre Job)		--	--	--	--	0.00
6	May 22,2015 06:00	STEACS Briefing		--	--	--	--	0.00
7	May 22,2015 06:15	Sign-off on Safety		--	--	--	--	0.00
8	May 22,2015 06:23	Start - Fluid	Water	2.00	600.0	--	2.00	2.00
		Remarks: Filled lines.						
9	May 22,2015 06:25	Pressure Test Start	Water	--	4,000.0	--	--	2.00
10	May 22,2015 06:26	Pressure Test Complete	Water	--	4,000.0	--	--	2.00
		Remarks: All lines held pressure.						
11	May 22,2015 06:27	Establish Circulation	Water	4.00	600.0	--	10.00	12.00
		Remarks: Water + Polyflake for indicator marker.						
12	May 22,2015 06:32	Pump Spacer	Water	5.00	800.0	--	20.00	32.00
		Remarks: Fresh water spacer.						
13	May 22,2015 06:36	Mix Cement	1-1-6 type III	5.00	600.0	--	175.30	207.30
		Remarks: LEAD:						
14	May 22,2015 07:08	Mix Cement	1-1-2 G	5.00	300.0	--	60.90	268.20
		Remarks: TAIL:						
15	May 22,2015 07:21	Stop		--	--	--	--	268.20
16	May 22,2015 07:27	Drop Plug		--	--	--	--	268.20
17	May 22,2015 07:28	Displace Fluid	Water Based Mud	5.00	2,230.0	--	247.00	515.20
18	May 22,2015 08:25	Bump Plug	Water Based Mud	--	2,230.0	--	--	515.20
		Remarks: Bumped plug 500psi over.						
19	May 22,2015 08:25	Check Float		--	2,230.0	--	--	515.20
		Remarks: Held pressure for 3 minutes, float held, 2.5 bbls back to truck when pressure released.						
20	May 22,2015 08:29	Stop		--	--	--	--	515.20
21	May 22,2015 08:45	Wash	Water	1.50	100.0	--	20.00	515.20
22	May 22,2015 09:45	Rig Out		--	--	--	--	515.20
		Remarks: Revisit JSA.						
23	May 22,2015 10:10	Pre-Departure Meeting		--	--	--	--	515.20
24	May 22,2015 10:20	Job Complete		--	--	--	--	515.20
25	May 22,2015 10:30	Leave Location		--	--	--	--	515.20
		Remarks: Revisiit JSA, leave location safely.						



Treatment Reports & Remarks

Did Float Hold: Yes
Fluid Returns : Yes
Type : Cement
Volume (bbl) : 47
Temperature (°F) : 50
FDAS Functioning Correctly : Yes
Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

57921

57922

57923



Client	Bonanza Creek Energy Operation Co. LLC	Client Rep	Jason Kough	Supervisor	Matthew Maguire
Ticket No.	9206203	Well Name	State Pronghorn X44-32-31 MRLNC	Unit No.	445052, 745051
Location	SE SE Sec 32:TN:R61W	Job Type	Intermediate Casing	Service District	505
Comments	Fill lines, PT 4000psi, 10 bbls WG-1L + Polyflake (indicator marker), 20 bbls fresh water spacer, LEAD: 17.3 bbls, WR=9.37, Y=1.79, D=12., Sk Wt=89.18, 122.7 bbls mix water, TAIL: 60.9 bbls slurry, WR=4.81, Y=1.14, D=14.6, Sk Wt=85.06, 34.4 bbls mix water, stop, drop plug, 20 bbls displacement, bump plug, check float for 5 min, stop.			Job Date	05/22/2015

