PIONEER
Pioneer Energy Services

V.D.L. C.C.L. GAMMA RAY CEMENT BOND LOG

Company	Bonanza Creek Energy
Well	Pronghorn 13-43-28 HNC
Field	Wattenberg
County	Weld
State	Colorado

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Well Pronghorn 13-43-28 HNC
Field Wattenberg
County Weld State Colorado

Location: API #: 05-123-41216
SHL: 1250' FSL X 429' FWL
SEC 28 TWP 5n RGE 61W

Other Services
None

Permanent Datum	GL	Elevation	4597'
Log Measured From	KB	17'	
Drilling Measured From	KB		

Elevation
K.B. 4614'
D.F. 4613'
G.L. 4597'

Date	9-Sept-2015
Run Number	One
Depth Driller	NA
Depth Logger	5889'
Bottom Logged Interval	5877'
Top Log Interval	Surface
Open Hole Size	NA
Type Fluid	Water
Density / Viscosity	8.34 LB/G
Max. Recorded Temp.	NA
Estimated Cement Top	NA
Time Well Ready	8:20
Time Logger on Bottom	11:40
Equipment Number	P109
Location	Fort Morgan
Recorded By	Randy Azevedo
Witnessed By	Kurt Dodge

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9.875"	36#	Surface	776'
Prot. String				
Production String	7"	26#	Surface	6577'
Liner	4.5"	11.6#	5711	NA

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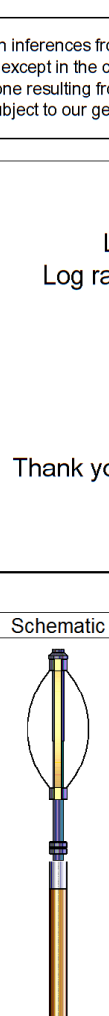
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

Log ran as per customer request
Log ran from Liner top to Surface.
Log ran with 0 PSI surface induced pressure
Log Measured from KB.
Liner top @ 5711'.
KOP @ 5749'.
Limited Header Info on location.

Thank you for choosing Pioneer Energy Services.
SO#2-310089



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		CENT-PTS275 (1)	2.88	2.75	
WVF3FT WVFCAL WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 WVF5FT	12.38 12.38 12.38 12.38 12.38 12.38 12.38 12.38 12.38 12.38 11.29	RBT-Probe (130433) Probe Radii Bond Tool with Digital Telemetry	8.77	2.75	90.00
		CENT-PTS275 (2)	2.88	2.75	
CCL GR	3.63 2.30	GR_CCL-Probe (110246) Probe Gamma CCL	5.17	2.75	100.00

Dataset: pronghorn 13-43-28 hnc cbl.db: field/well/run1/pass3
Total Length: 19.69 ft
Total Weight: 190.00 lb
O.D.: 2.75 in

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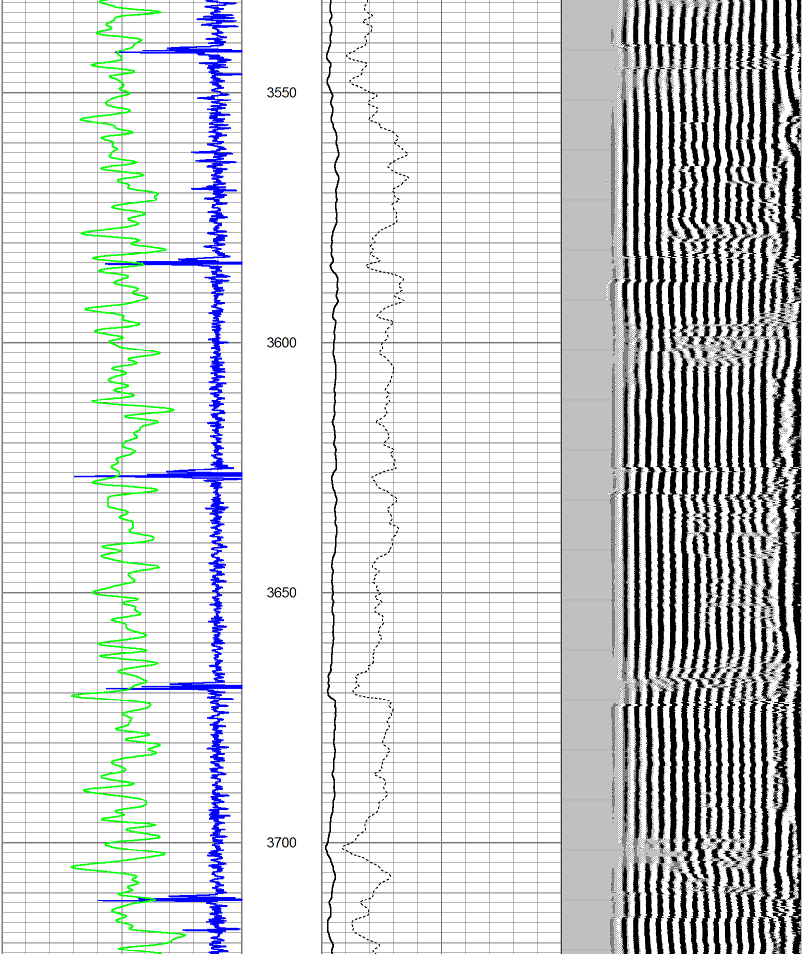
7" Main Pass

Log ran under 0 PSI surface induced pressure.

Database File: pronghorn 13-43-28 hnc cbl.db
Dataset Pathname: pass3
Presentation Format: cbl_drs
Dataset Creation: Wed Sep 09 11:41:37 2015 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240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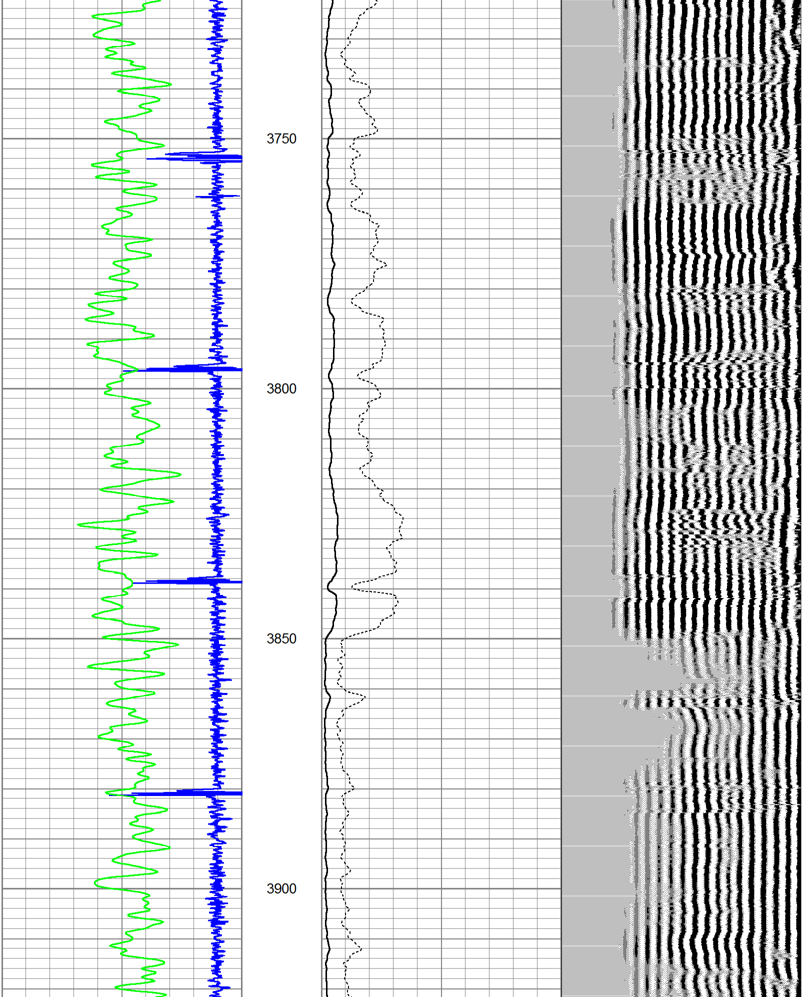
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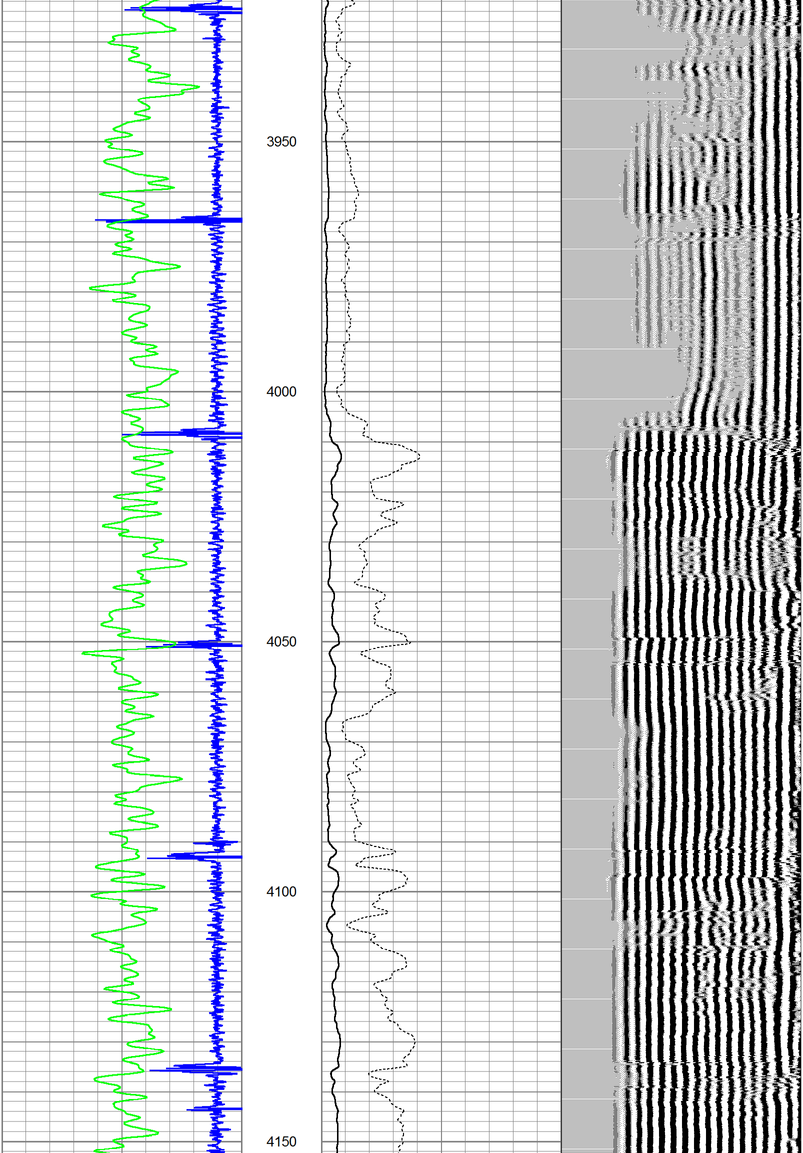
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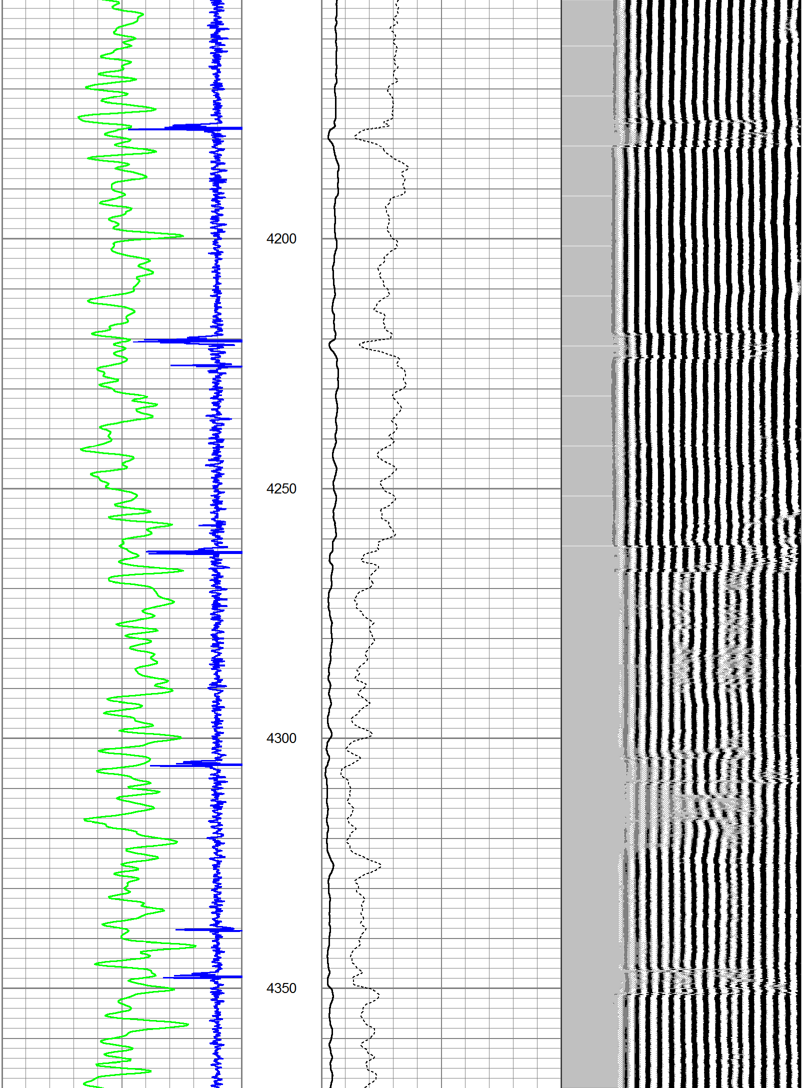
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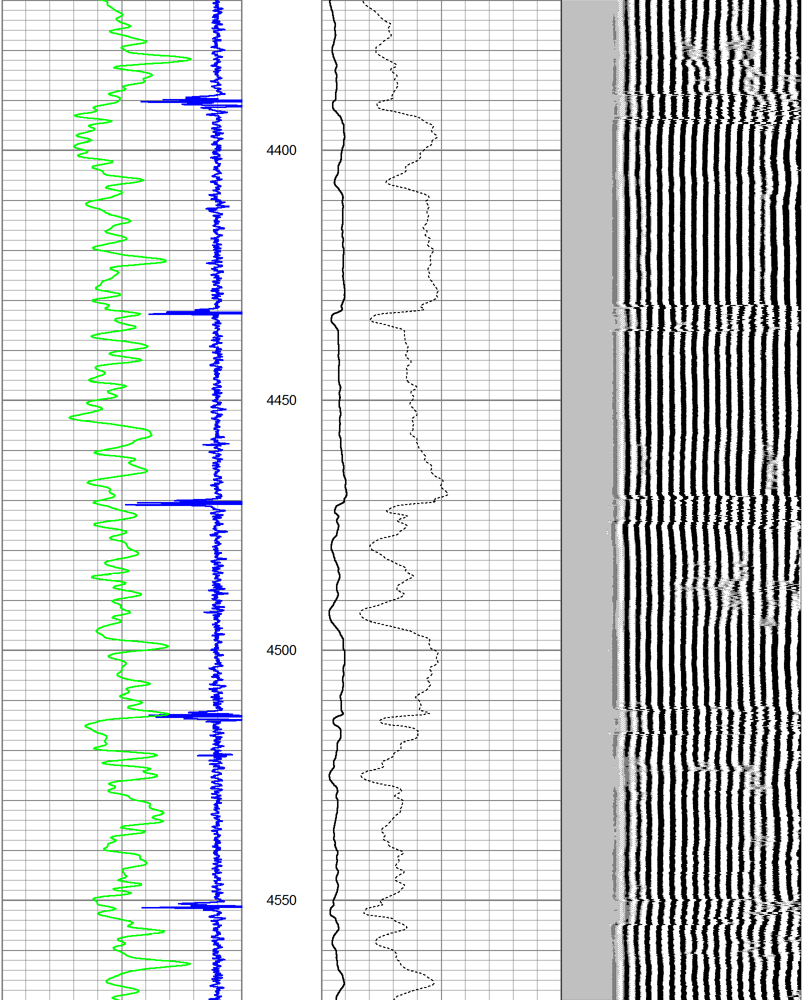
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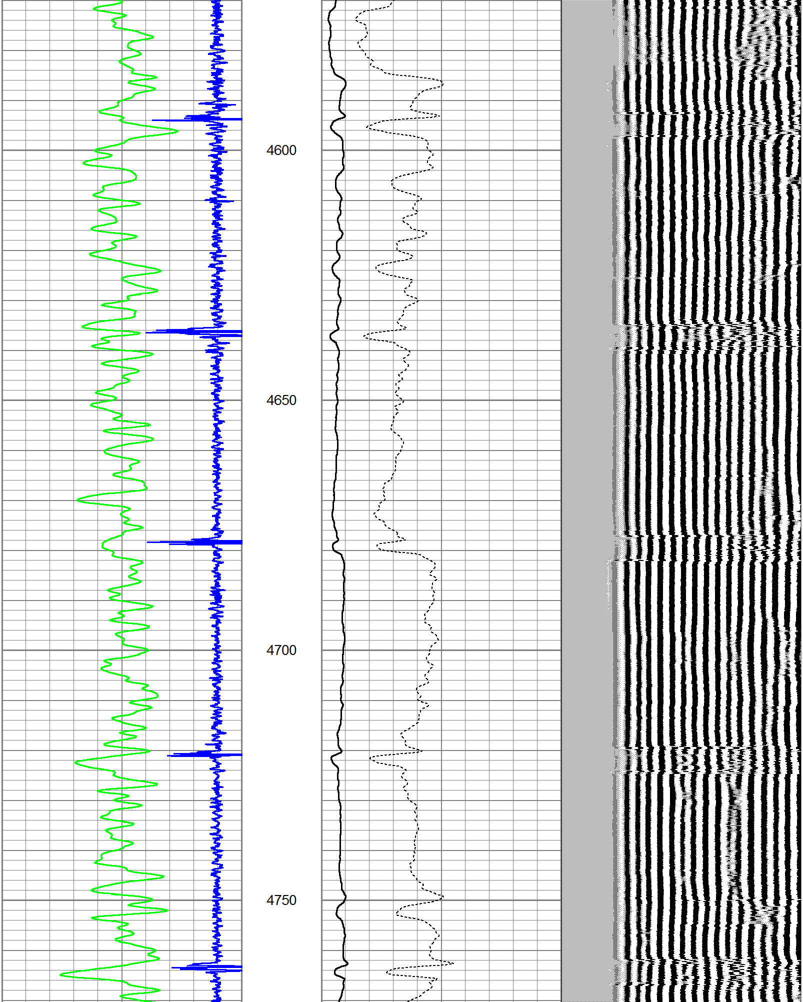
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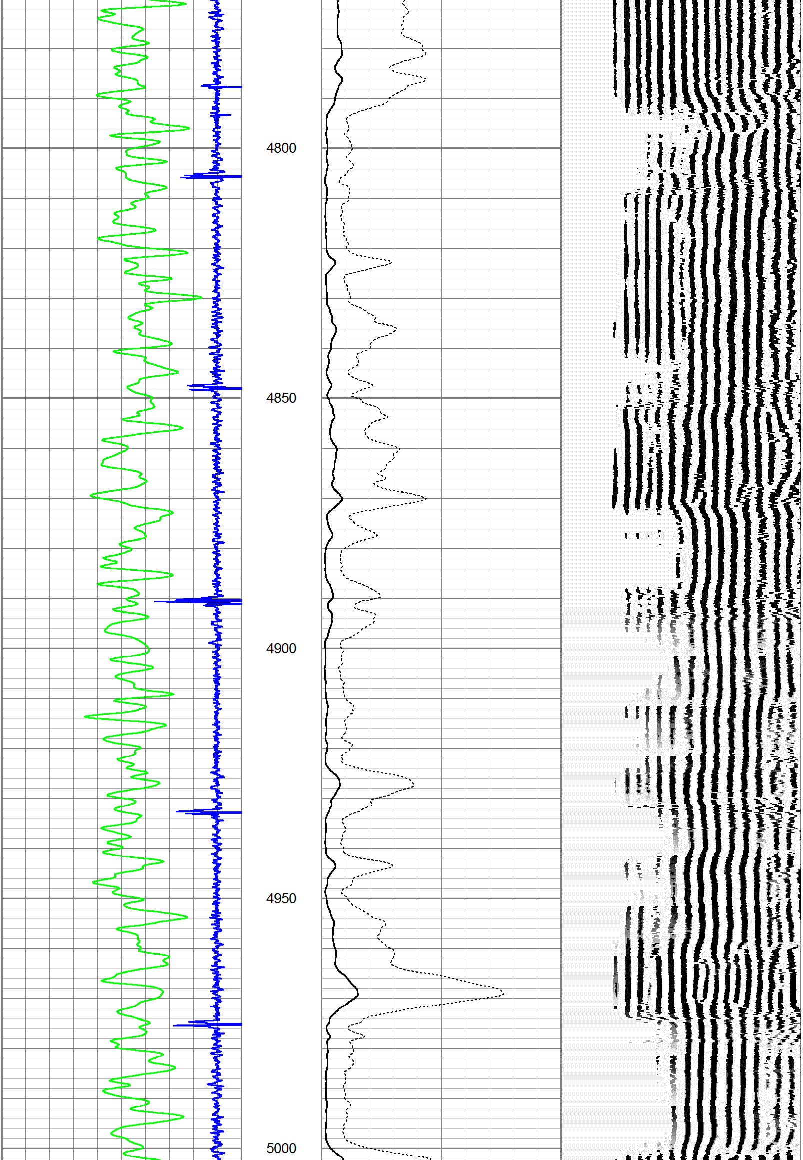
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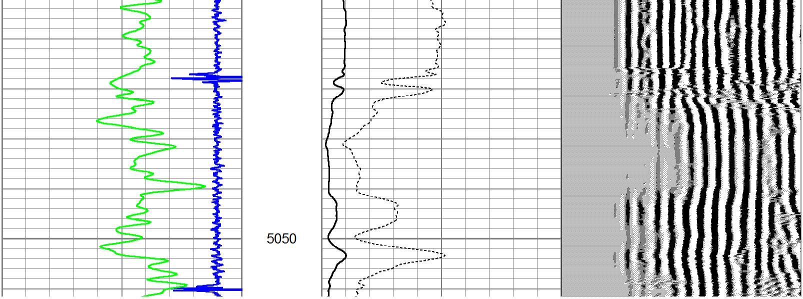
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