NABORS
COMPLETION & PRODUCTION SERVICES CO.

Gamma Ray, Cement Bond, Variable Density, VDL

Company	PDC Energy
Well	Sorin 2R - 323
Field	Wattenberg
County	Weld
State	Colo
Country	

Location: API # : 05-123-37312
20' FNL & 1394' FEL
NW / NE
SEC 2 TWP 4N RGE 66W

Other Services

Permanent Datum GL Elevation 4671'
Log Measured From KB
Drilling Measured From KB

Elevation
K.B.
D.F.
G.L. 4671'

Date	November 14, 2014
Run Number	1
Depth Driller	11,523'
Depth Logger	7100'
Bottom Logged Interval	7100'-0'
Top Log Interval	
Open Hole Size	
Type Fluid	WATER
Density / Viscosity	
Max. Recorded Temp.	
Estimated Cement Top	
Time Well Ready	
Time Logger on Bottom	
Equipment Number	2-3/4" TeKco
Location	HWY394+35,W1/10,N1/10,Winto
Recorded By	Meisner
Witnessed By	Gardella

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	7"			
Liner				

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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

Thank You For Choosing Nabors Completion & Production Services!

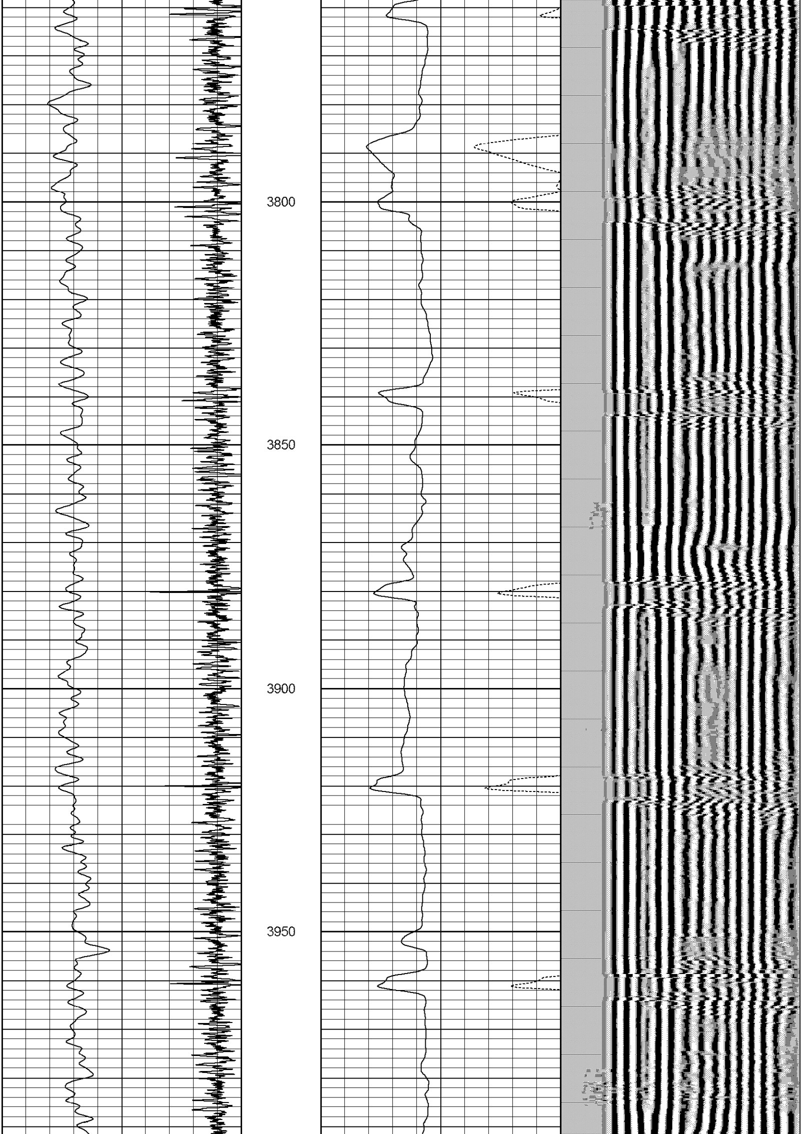
East Pad

<WEST> O X O O <EAST>

X = Sorin 2R - 323

Database File: pdcs2r323.db
Dataset Pathname: pass1
Presentation Format: nuexbond
Dataset Creation: Fri Nov 14 08:09:31 2014 by Log Open-Cased 071220
Charted by: Depth in Feet scaled 1:240

0 Gamma Ray (GAPI) 200		0 Amplified Amplitude (mV) 30	200 VDL 1200
9 CCL -1		0 Amplitude (mV) 100	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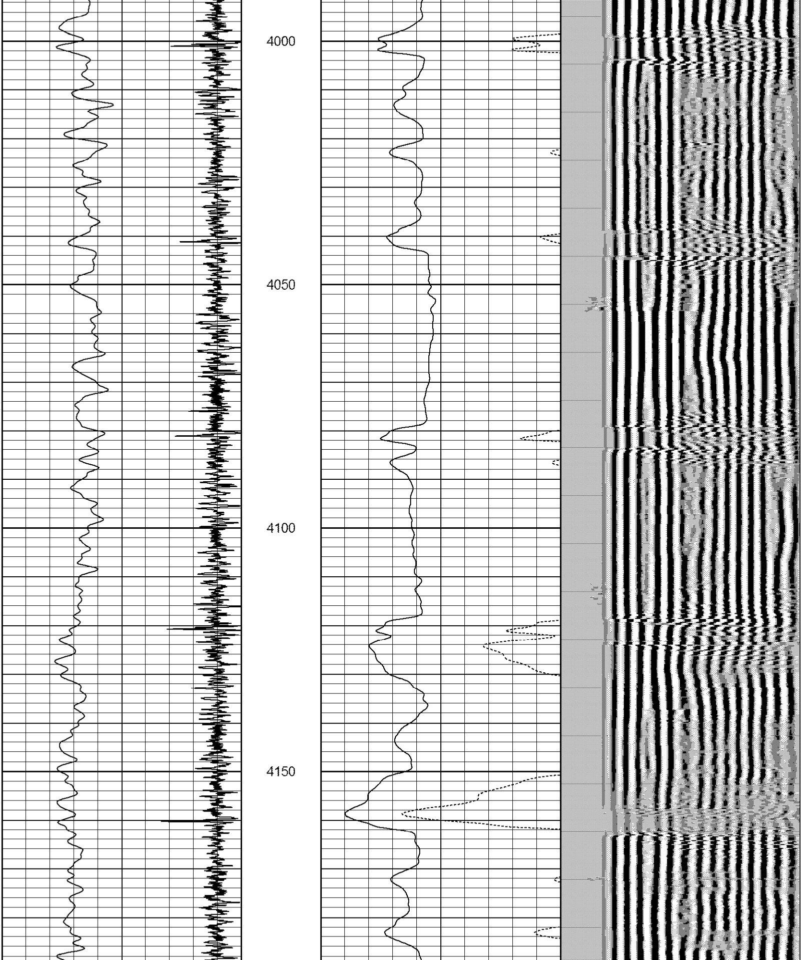
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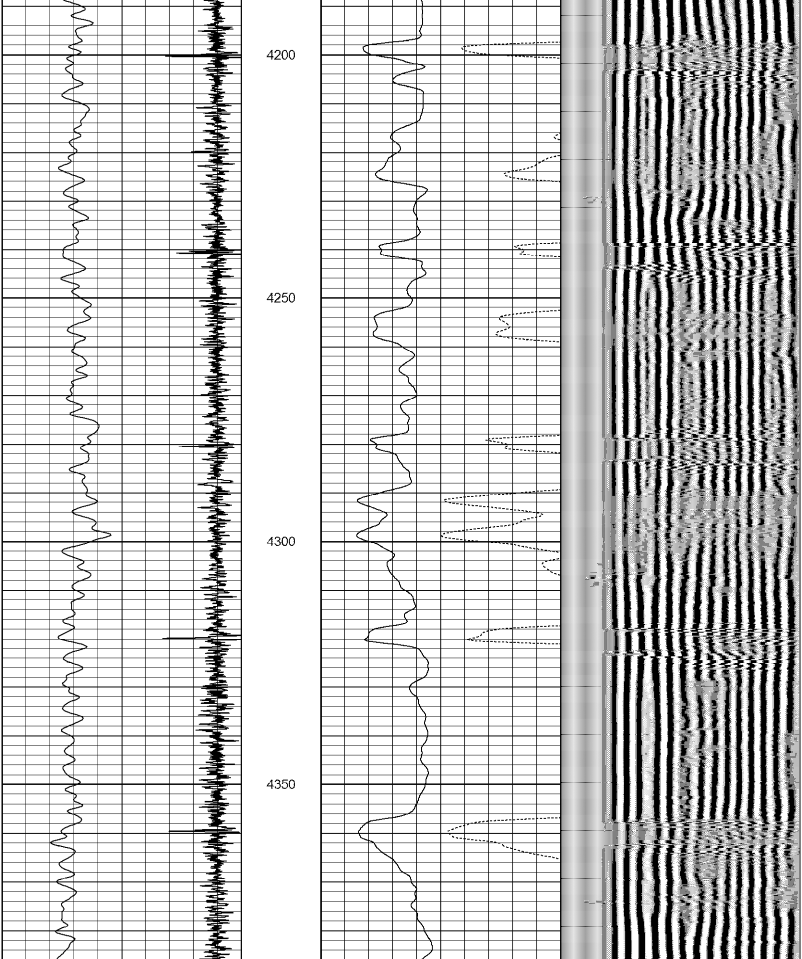
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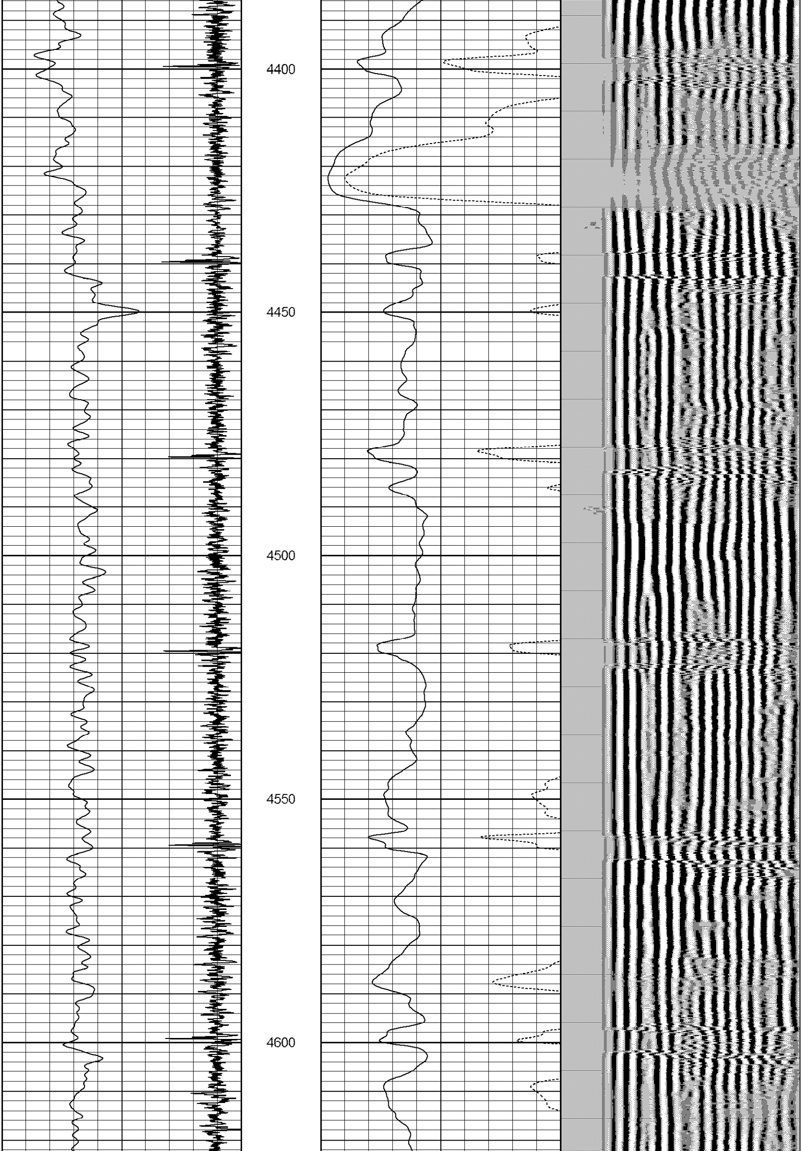
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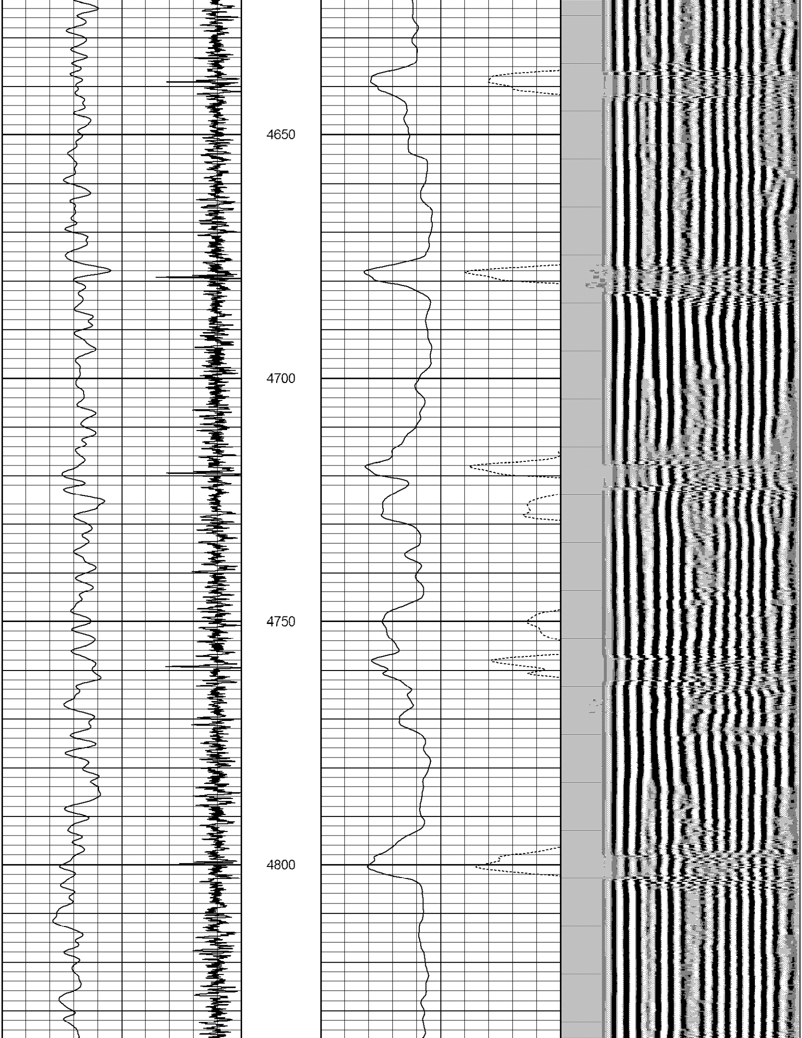
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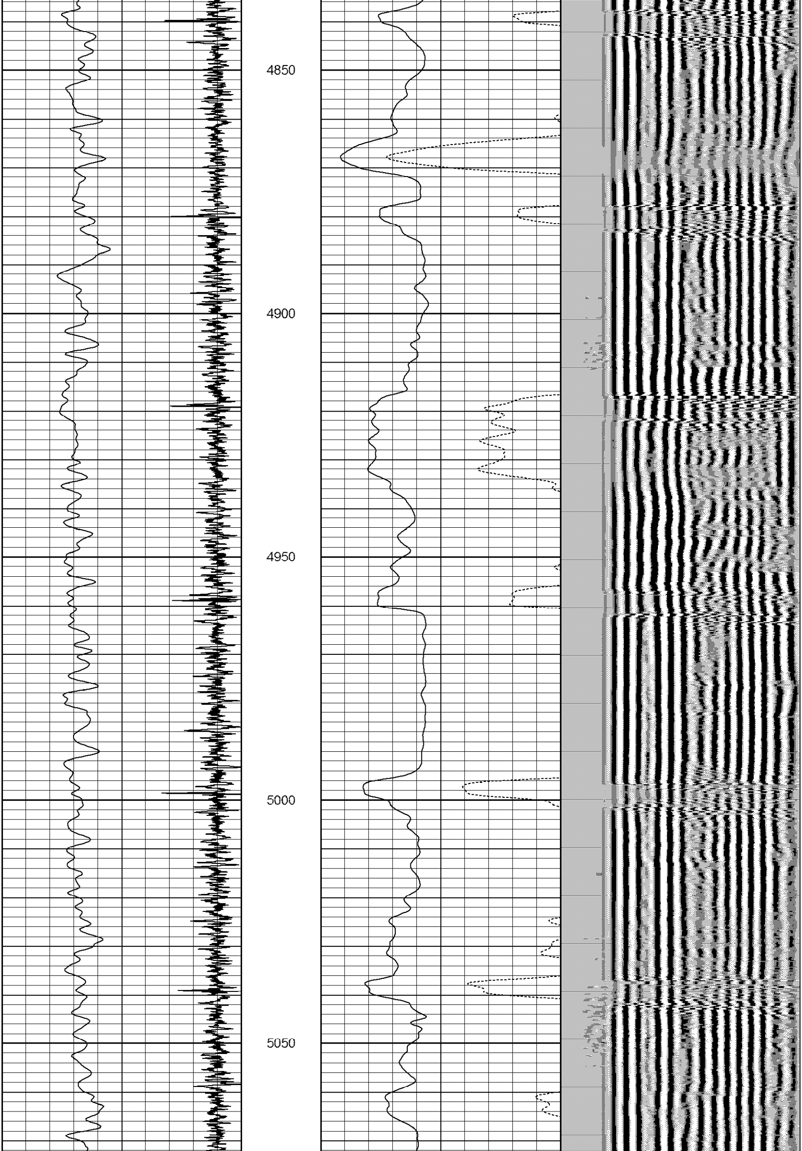
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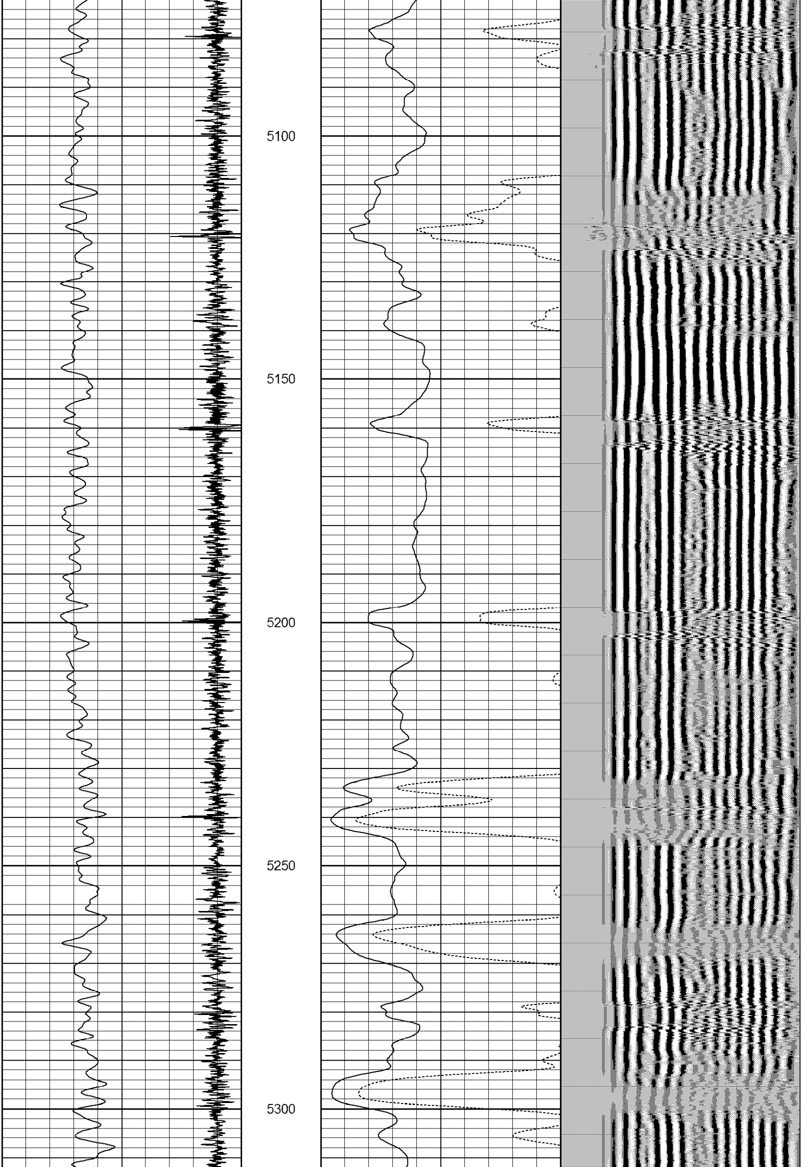
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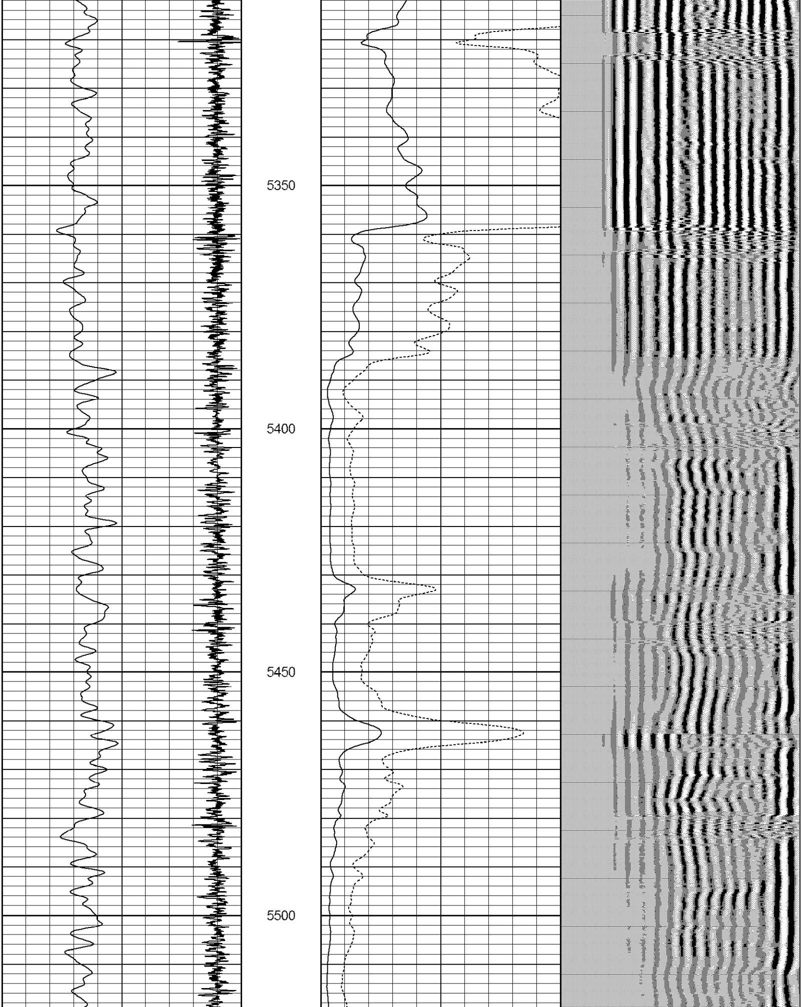
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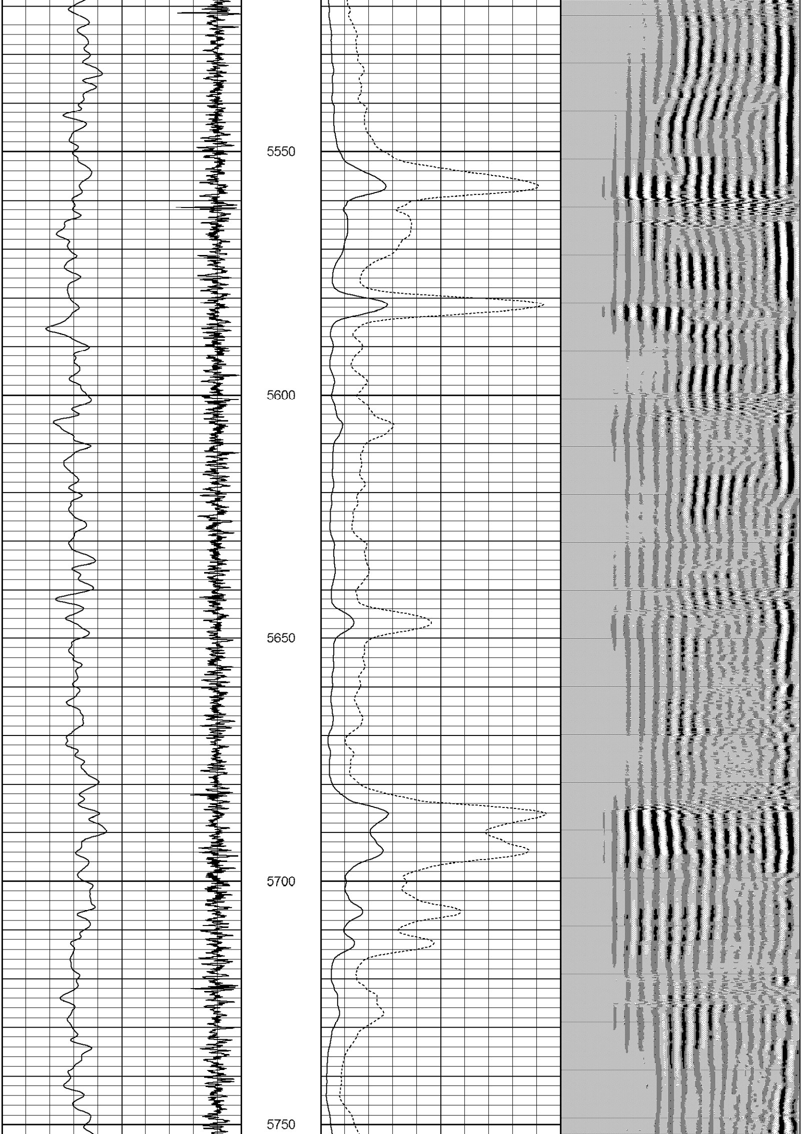
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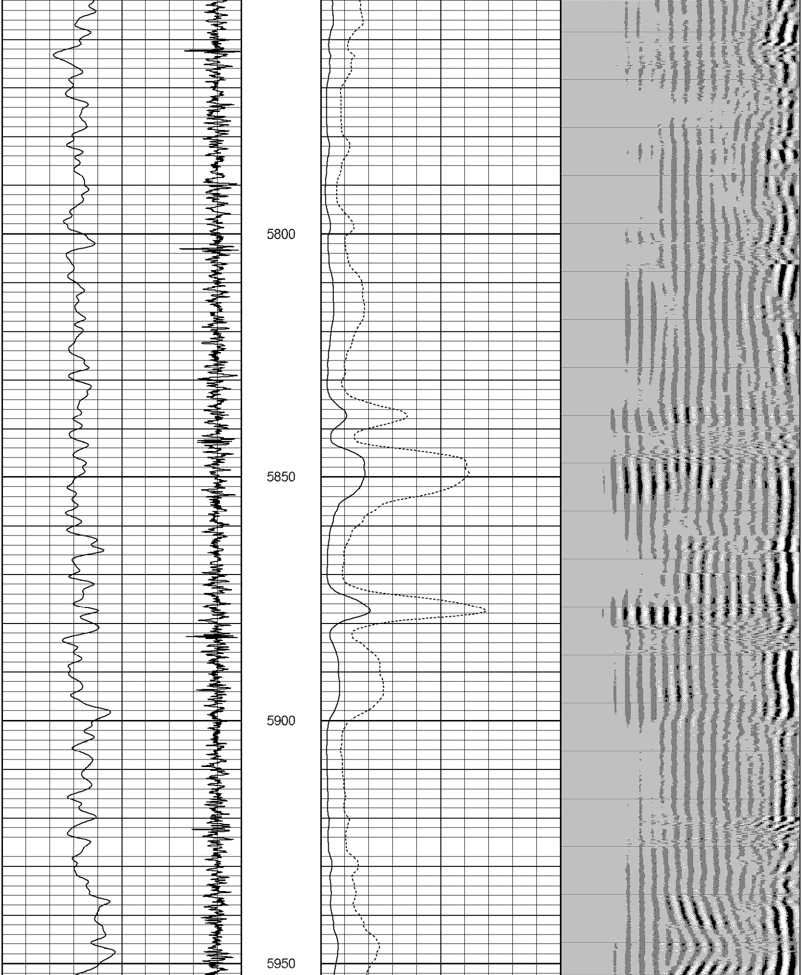
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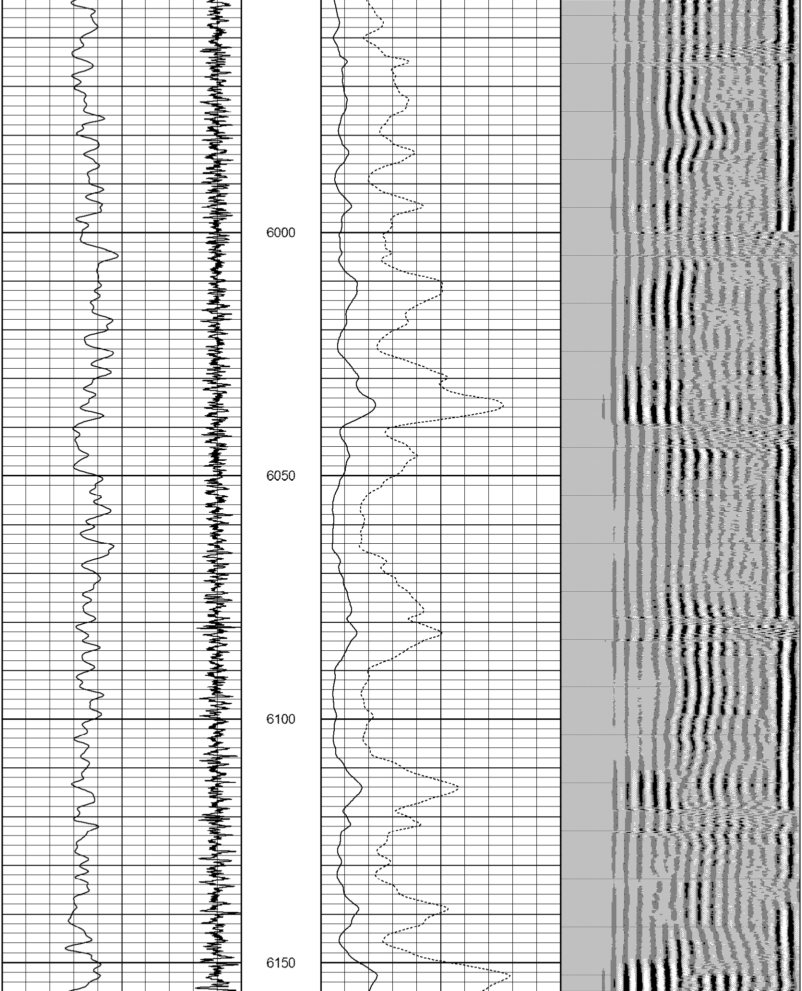
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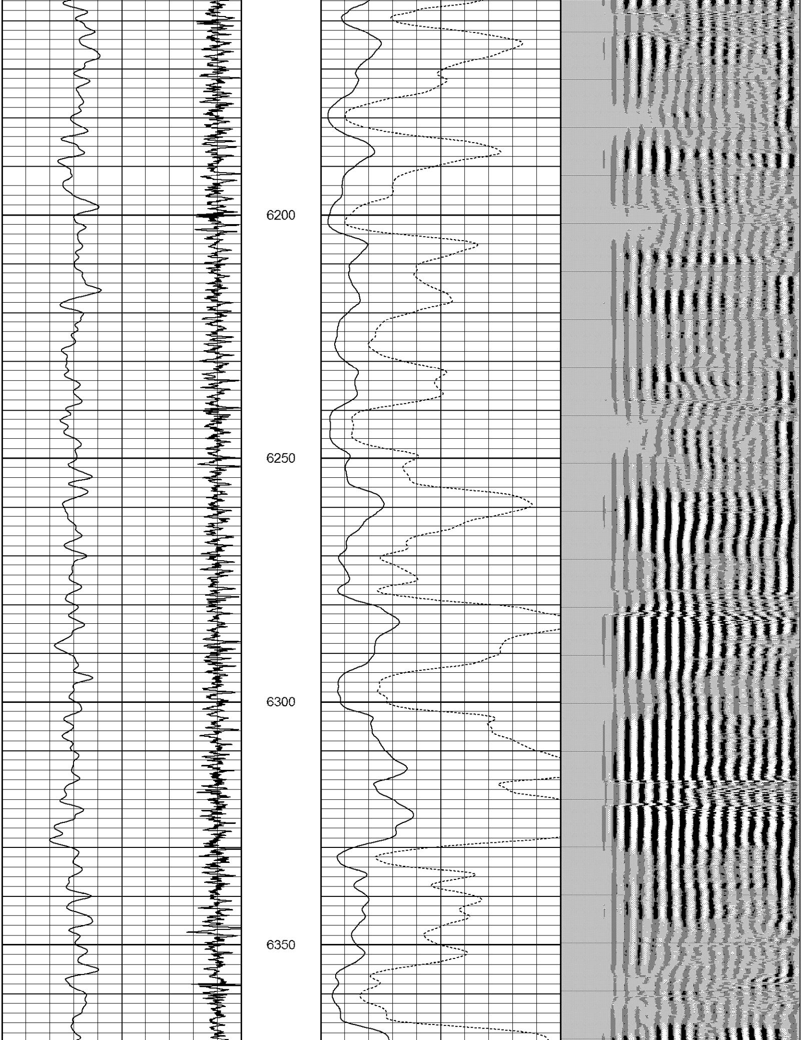
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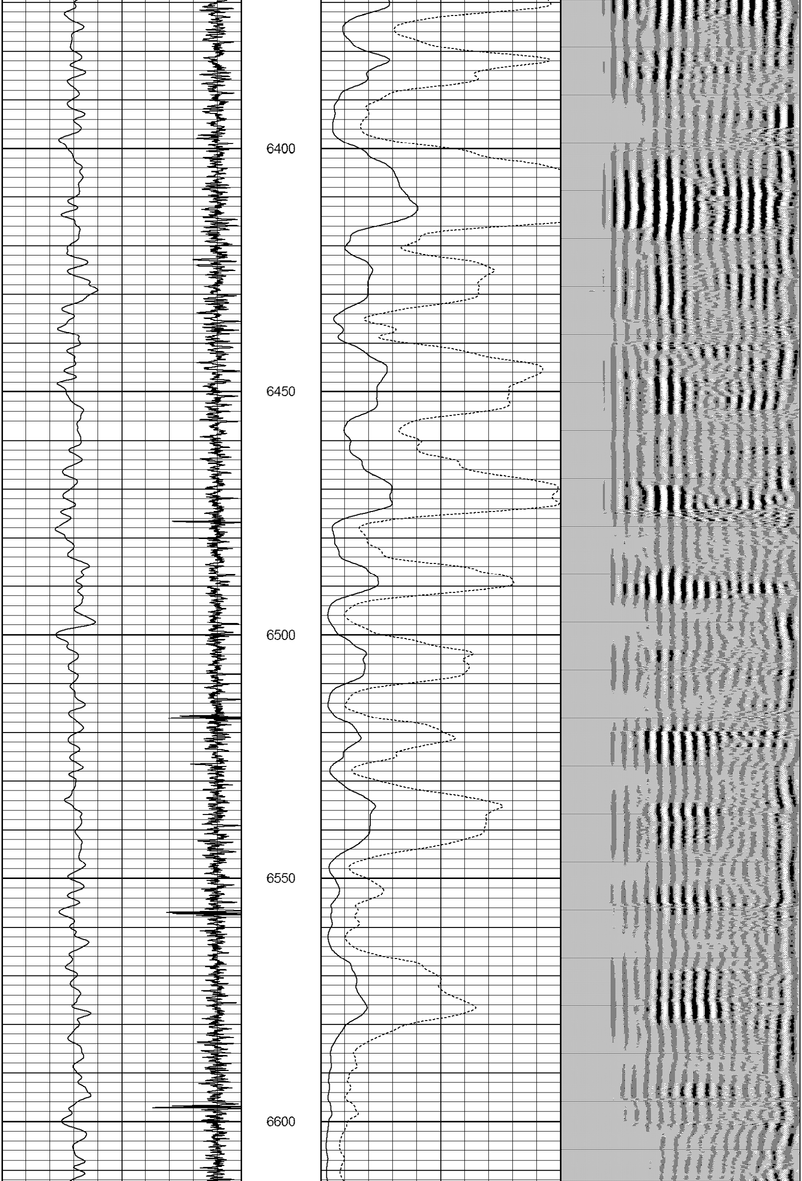
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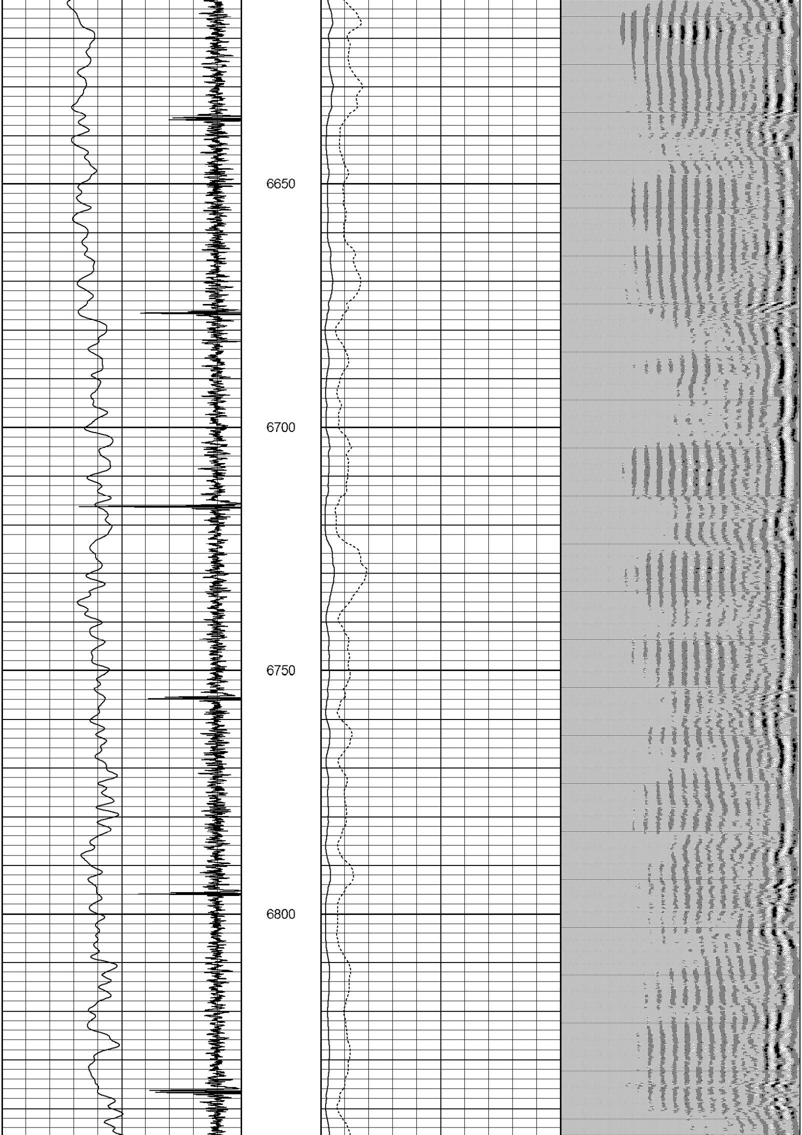
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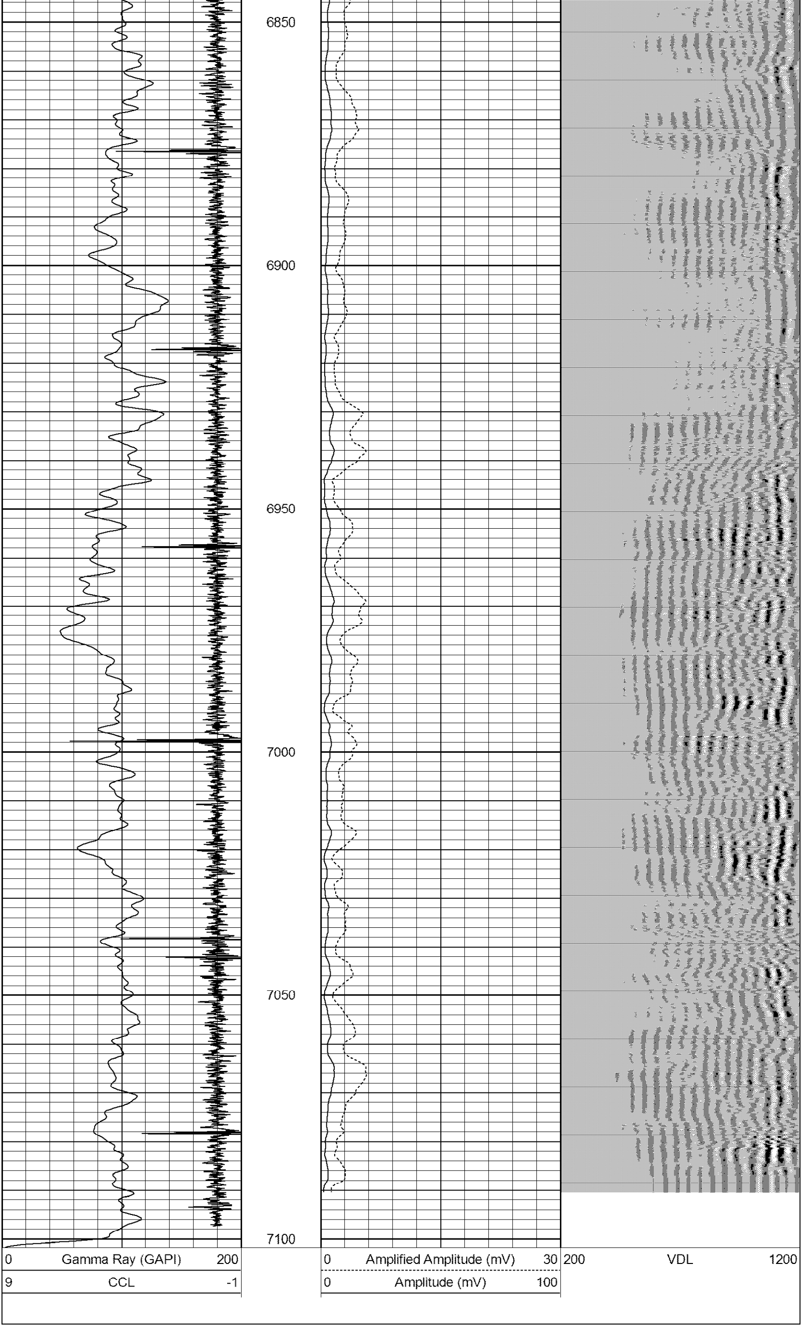
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6900
6950
7000
7050
7100
0
Gamma Ray (GAPI)
200
9
CCL
-1
0
Amplified Amplitude (mV)
30
0
Amplitude (mV)
100
200
VDL
1200