NABORS
COMPLETION & PRODUCTION SERVICES CO.

Gamma Ray, Cement Bond, Variable Density, CCL

Company Petroleum Developement Corporation
Well Dalton 24L-441
Field Wattenberg
County Weld
State Colo Country USA

Company	Petroleum Developement Corporation
Well	Dalton 24L-441
Field	Wattenberg
County	Weld
State	Colo
Country	USA

Location: API # : 05-123-35824

250' FSL & 590' FWL
SW / SW

SEC 24 TWP 7N RGE 66W

Other Services

Permanent Datum	Ground Level	Elevation	4880'
Log Measured From	Kelley Bushing		
Drilling Measured From	Kelley Bushing		

Elevation
K.B. 4893'
D.F. 4892'
G.L. 4880'

Date	April 29, 2013		
Run Number	1		
Depth Driller	11,852'		
Depth Logger	7550'		
Bottom Logged Interval	7550'-3500'		
Top Log Interval	3500'-0'		
Open Hole Size			
Type Fluid	water		
Density / Viscosity			
Max. Recorded Temp.	n/a		
Estimated Cement Top			
Time Well Ready			
Time Logger on Bottom			
Equipment Number	3312 1 11/16 tit		
Location	WCRs35+78,E1/10,Ninto		
Recorded By	Jake Meisner		
Witnessed By	Kelly Lewis		

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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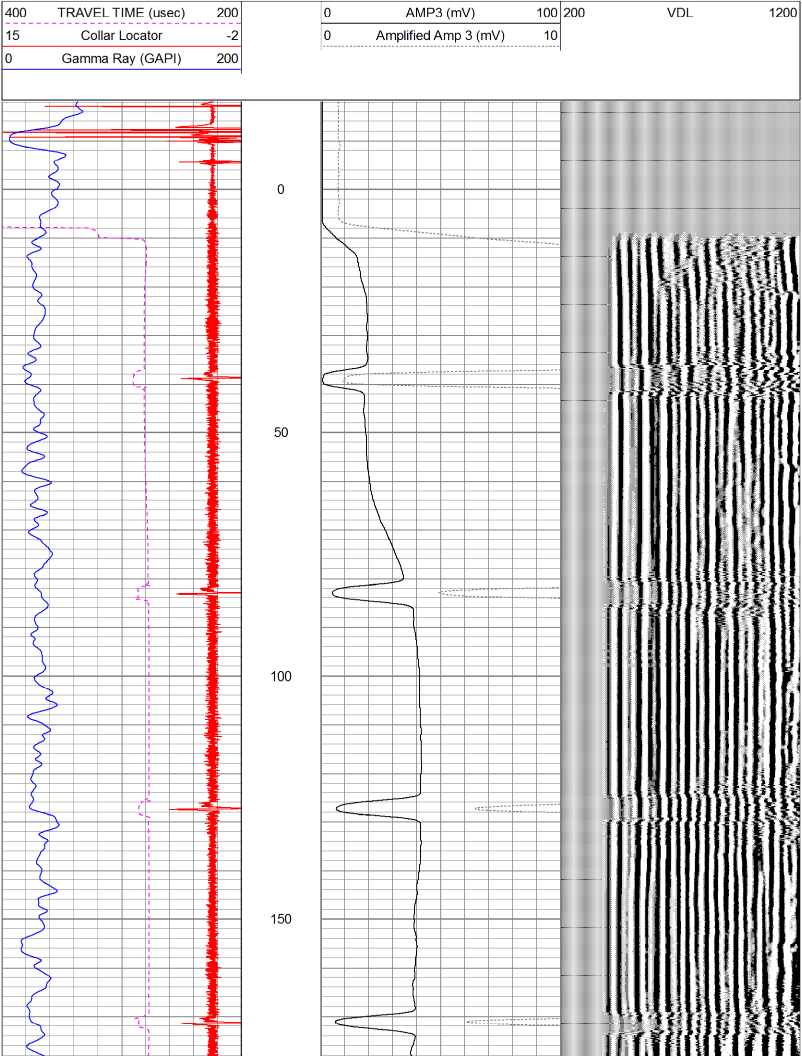
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

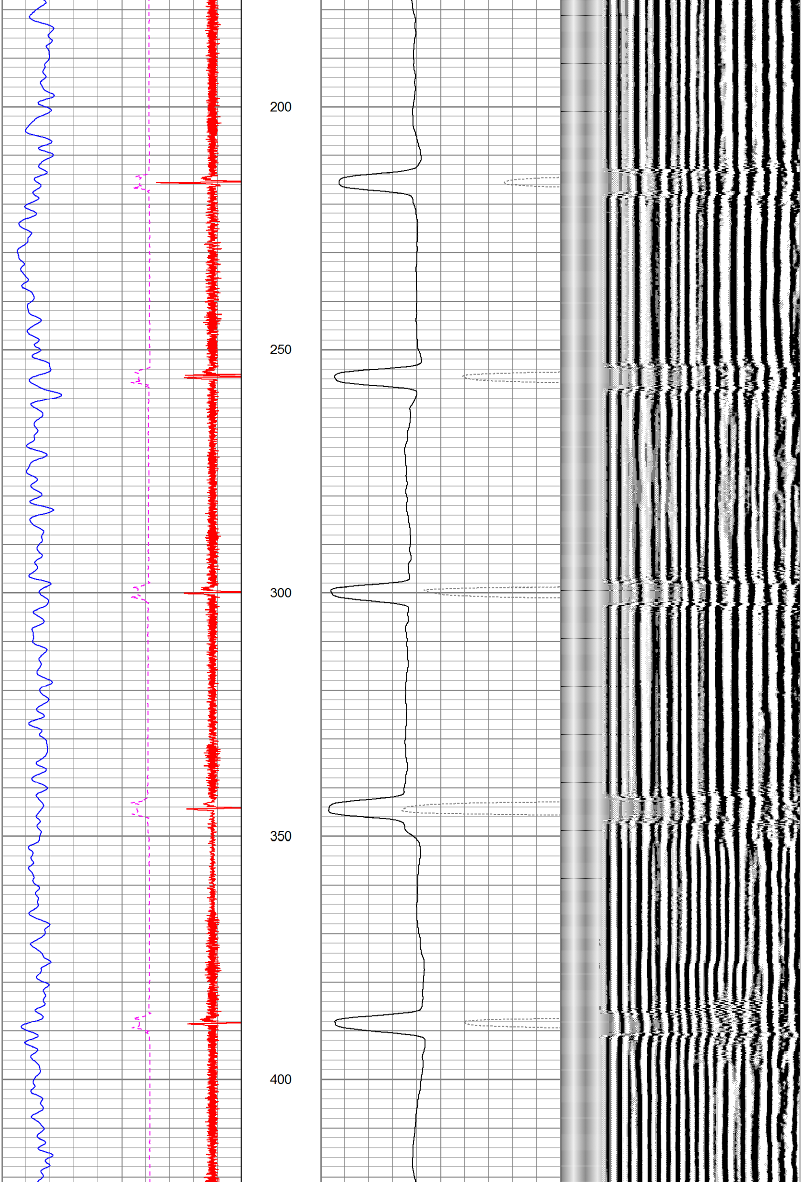
Comments

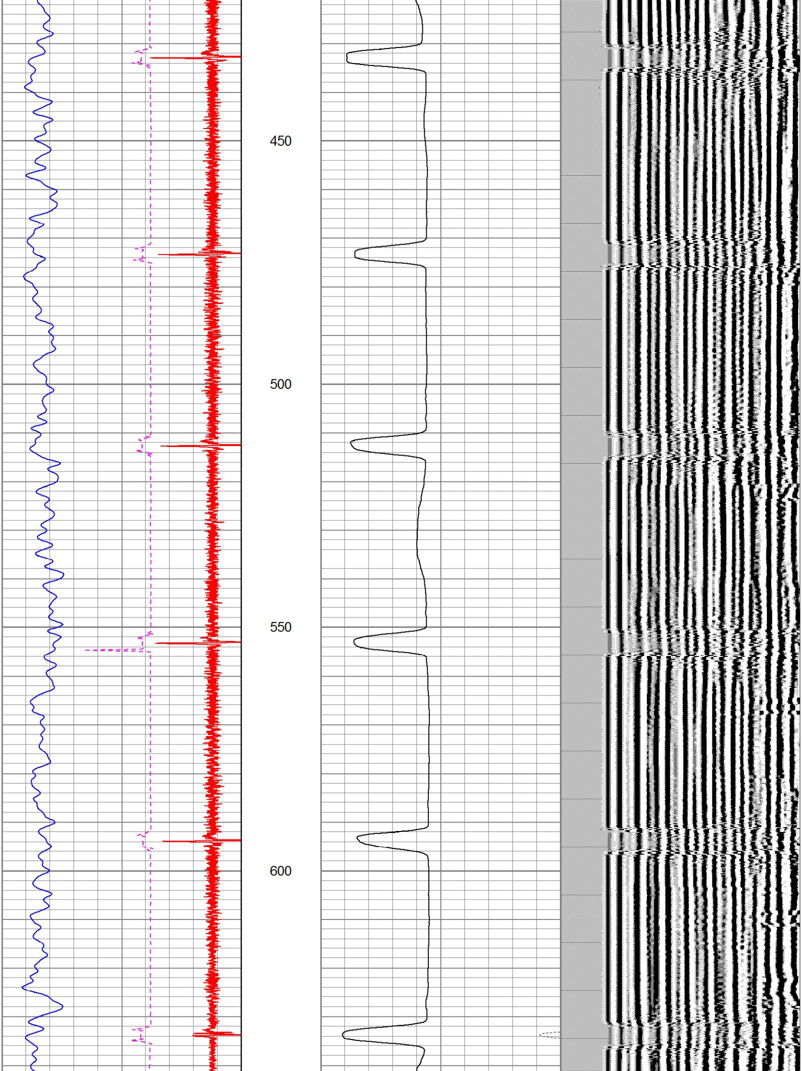
<WEST> X O <EAST>

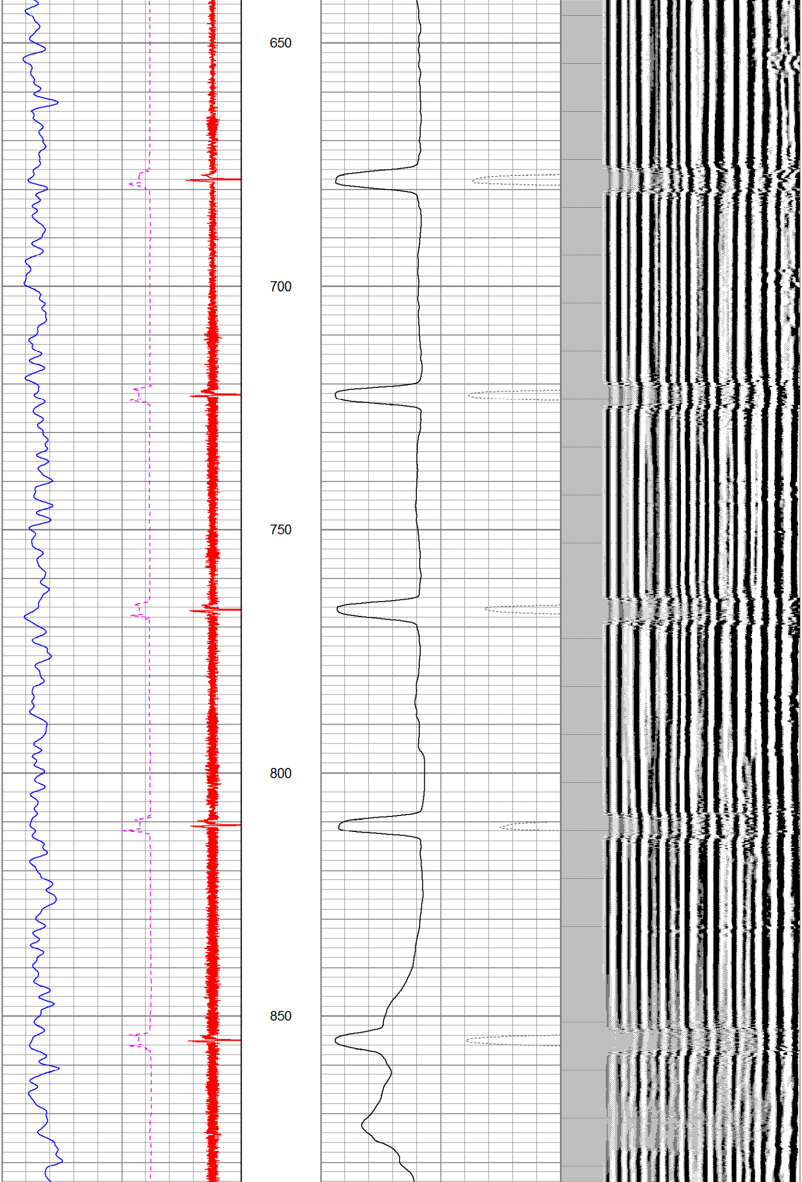
X = Dalton 24L-441

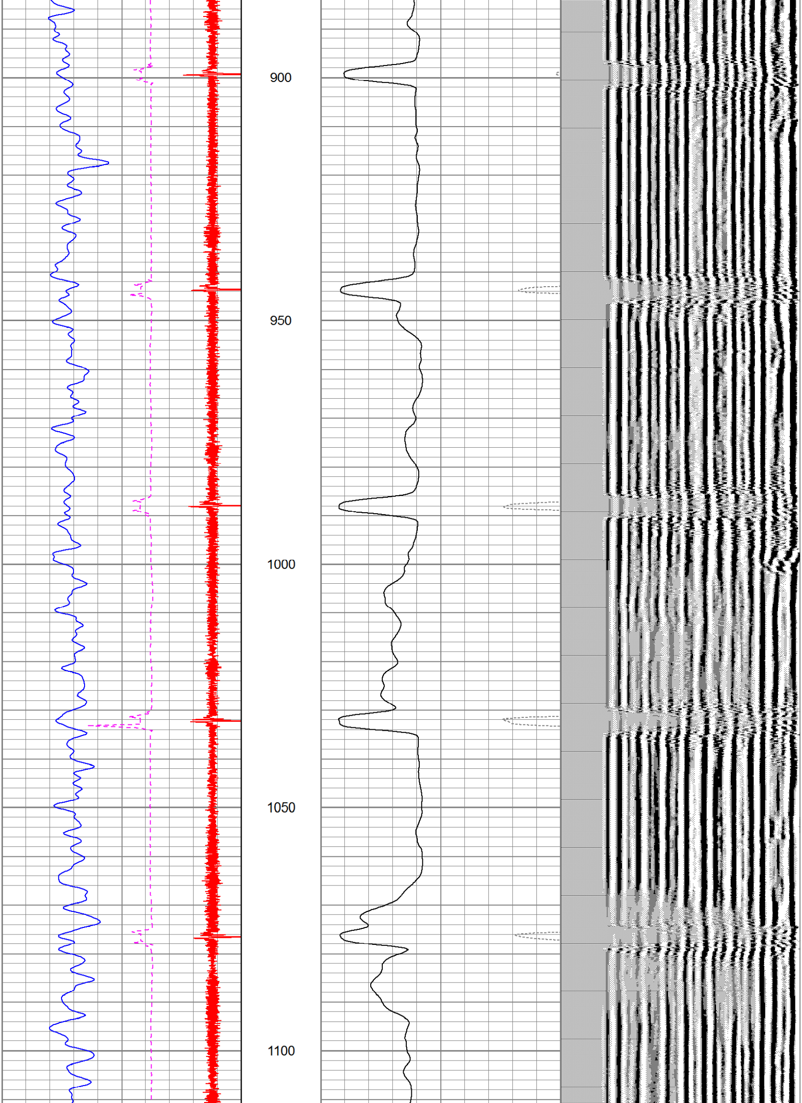
Database File:	pdcd24l441.db
Dataset Pathname:	pass3
Presentation Format:	cbl_drs
Dataset Creation:	Mon Apr 29 09:46:29 2013 by Log Std Casedhole 10081
Charted by:	Depth in Feet scaled 1:240

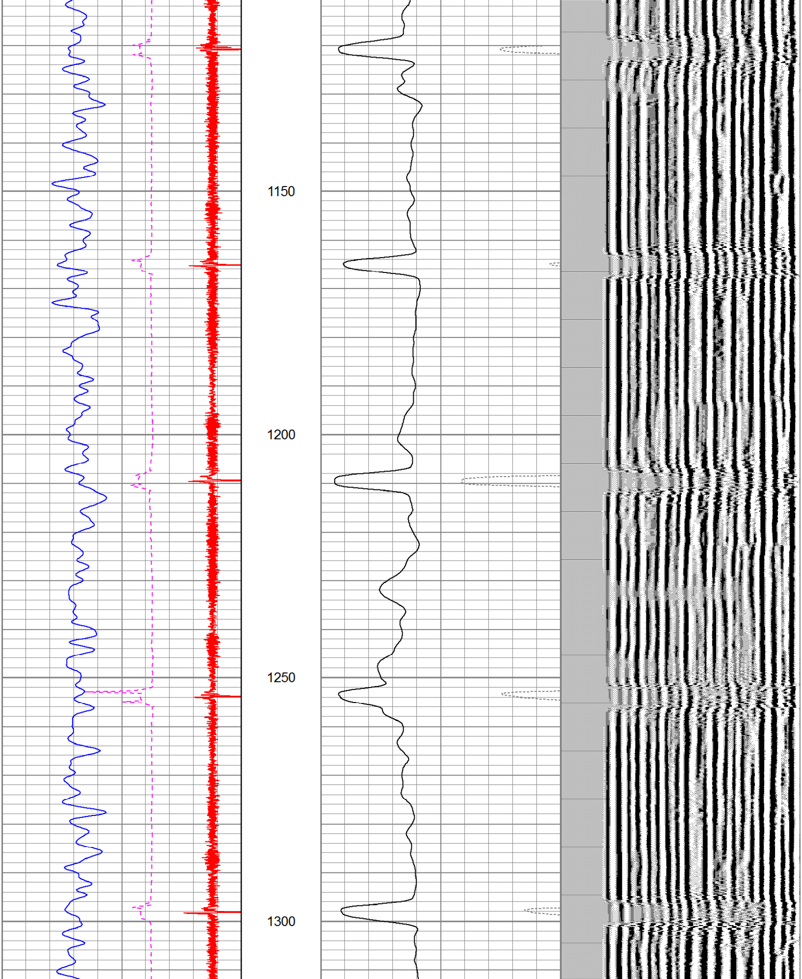


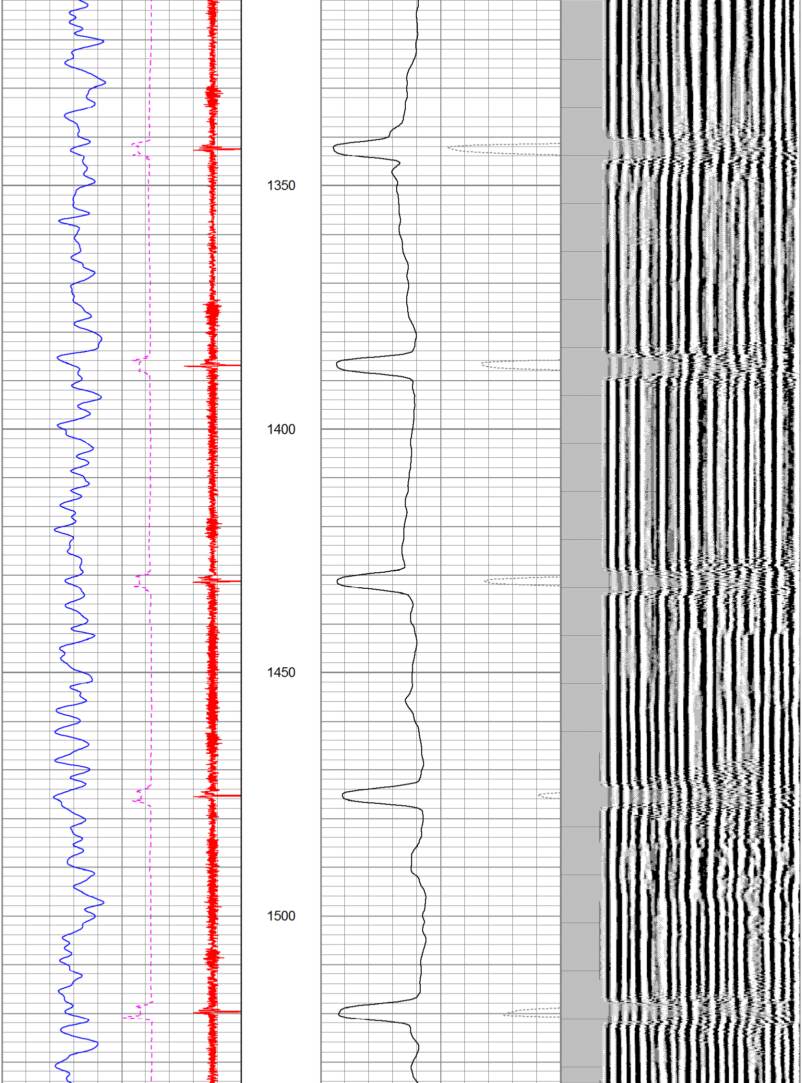


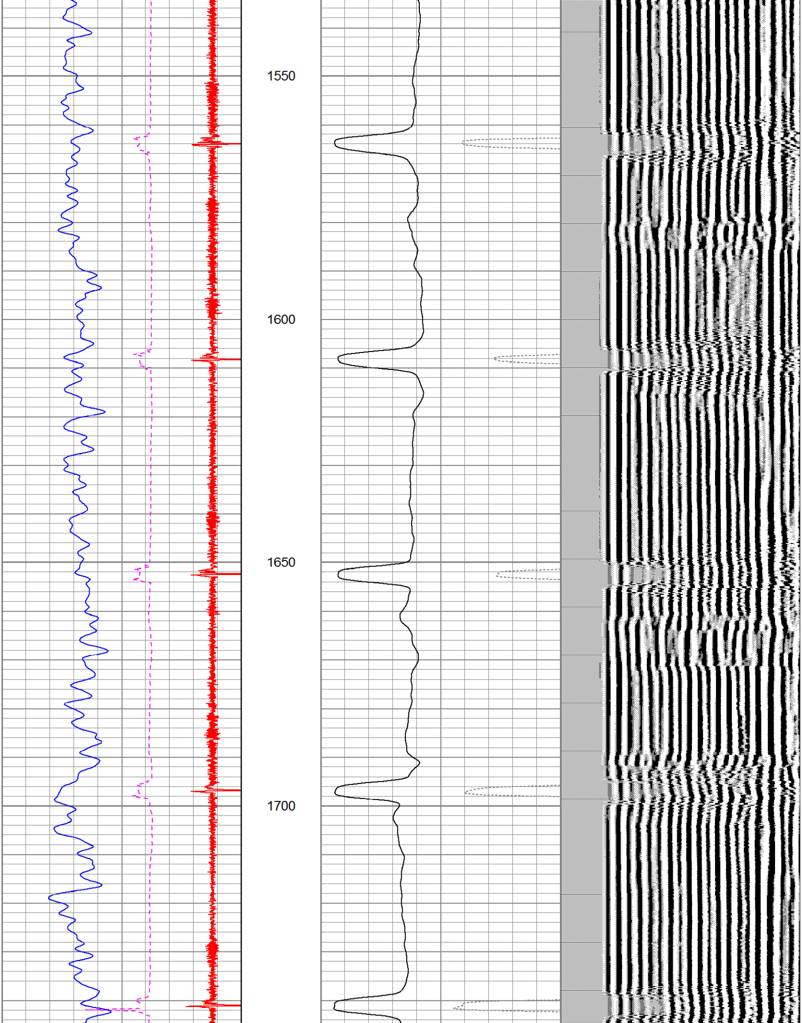


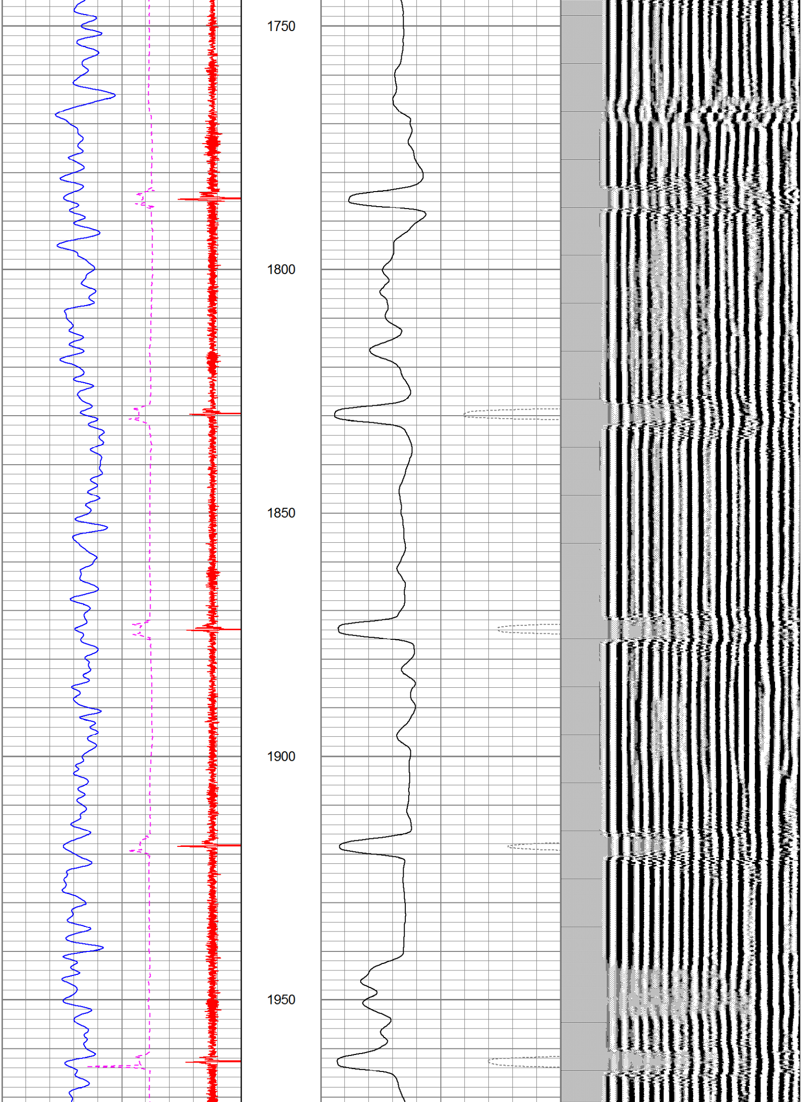


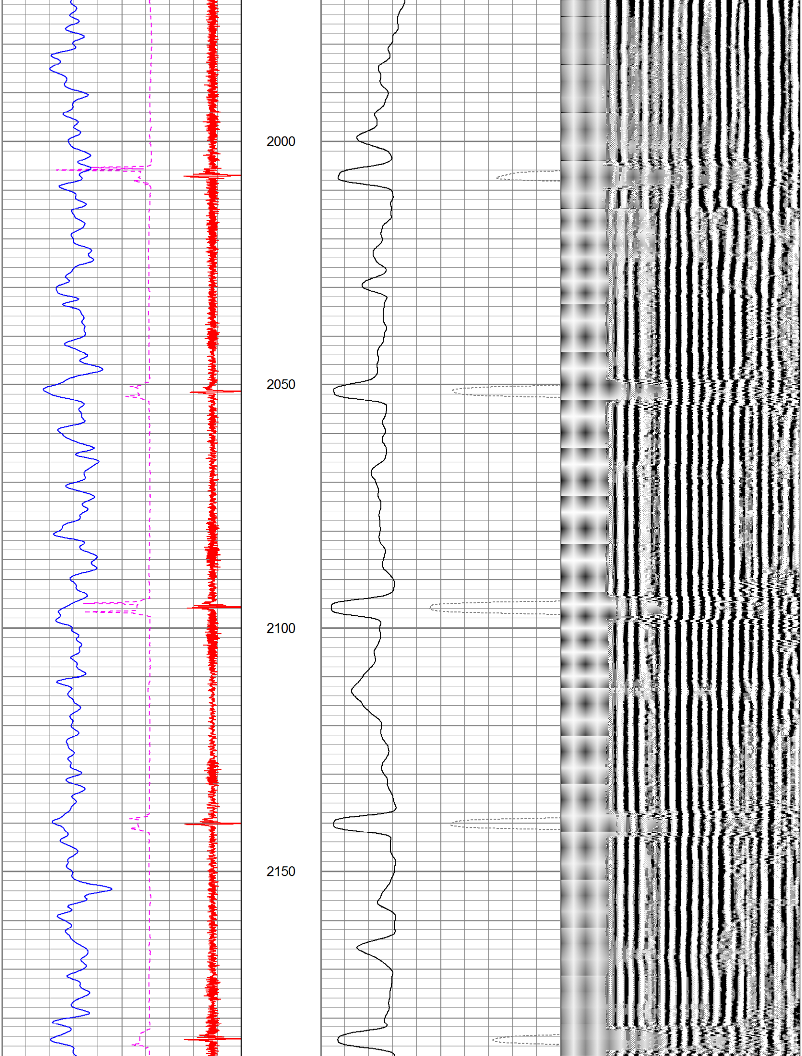


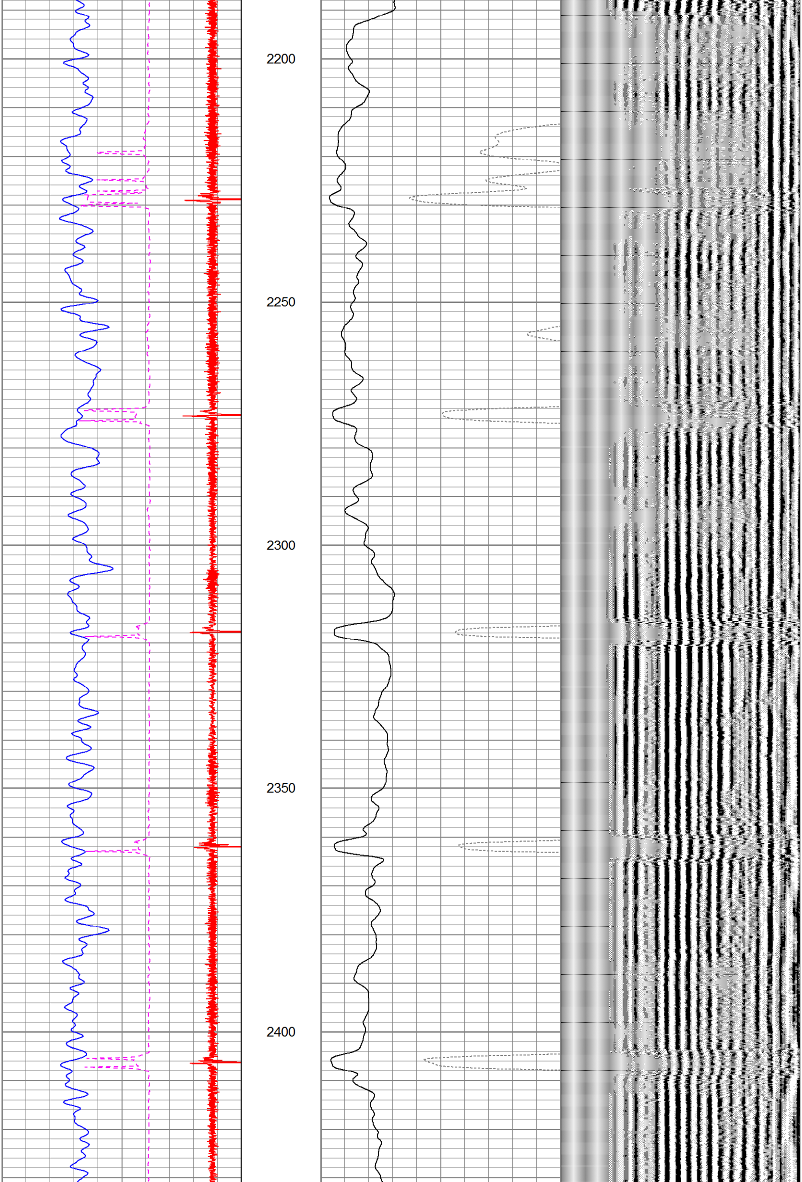


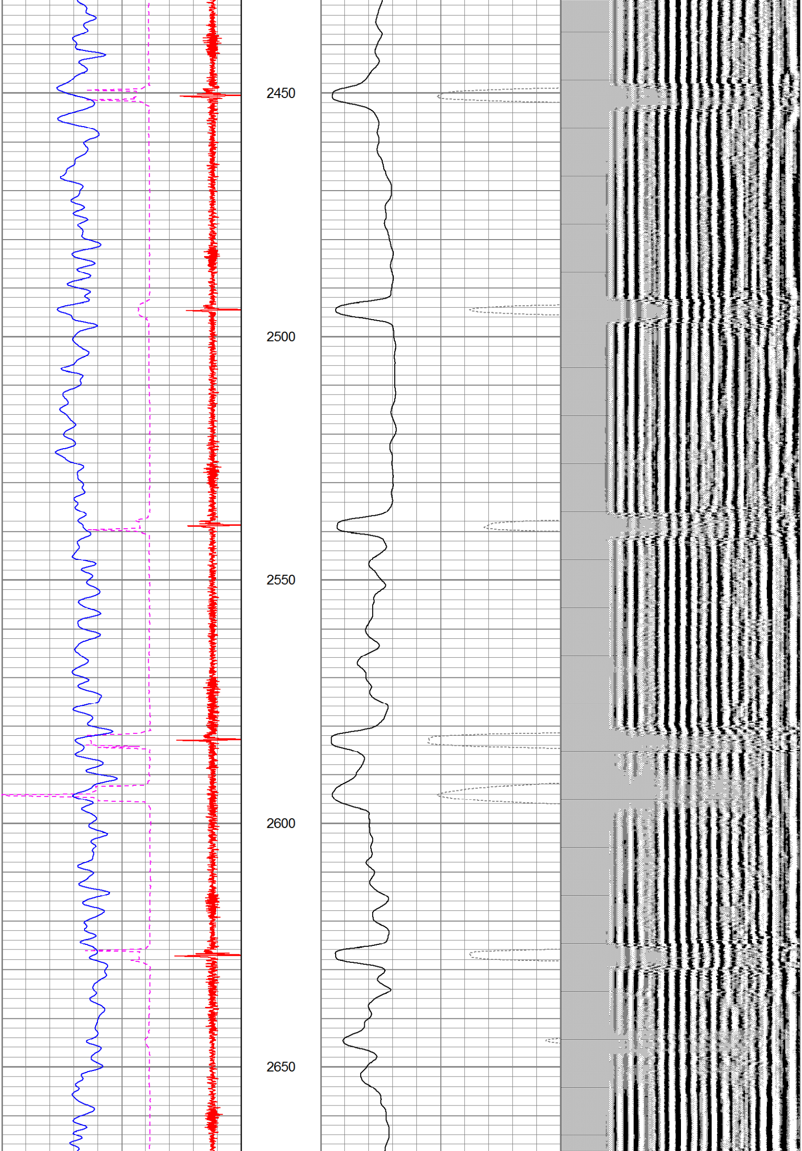


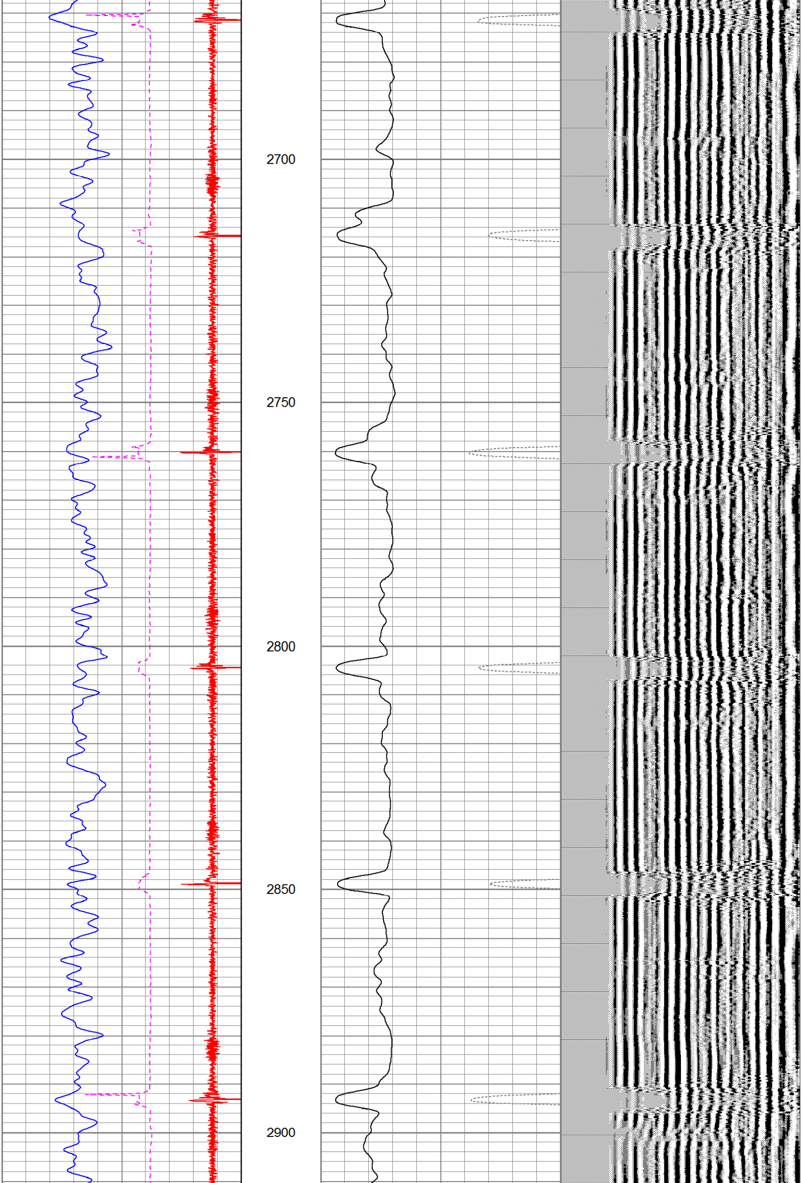


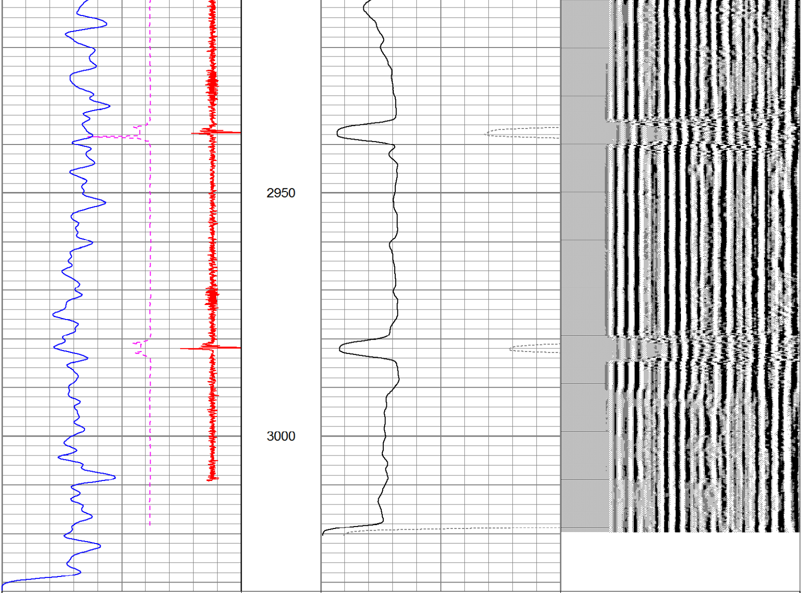








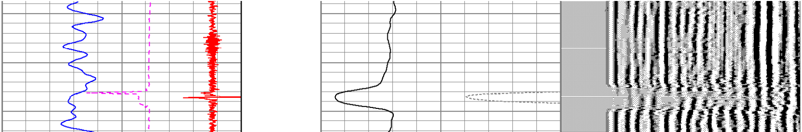


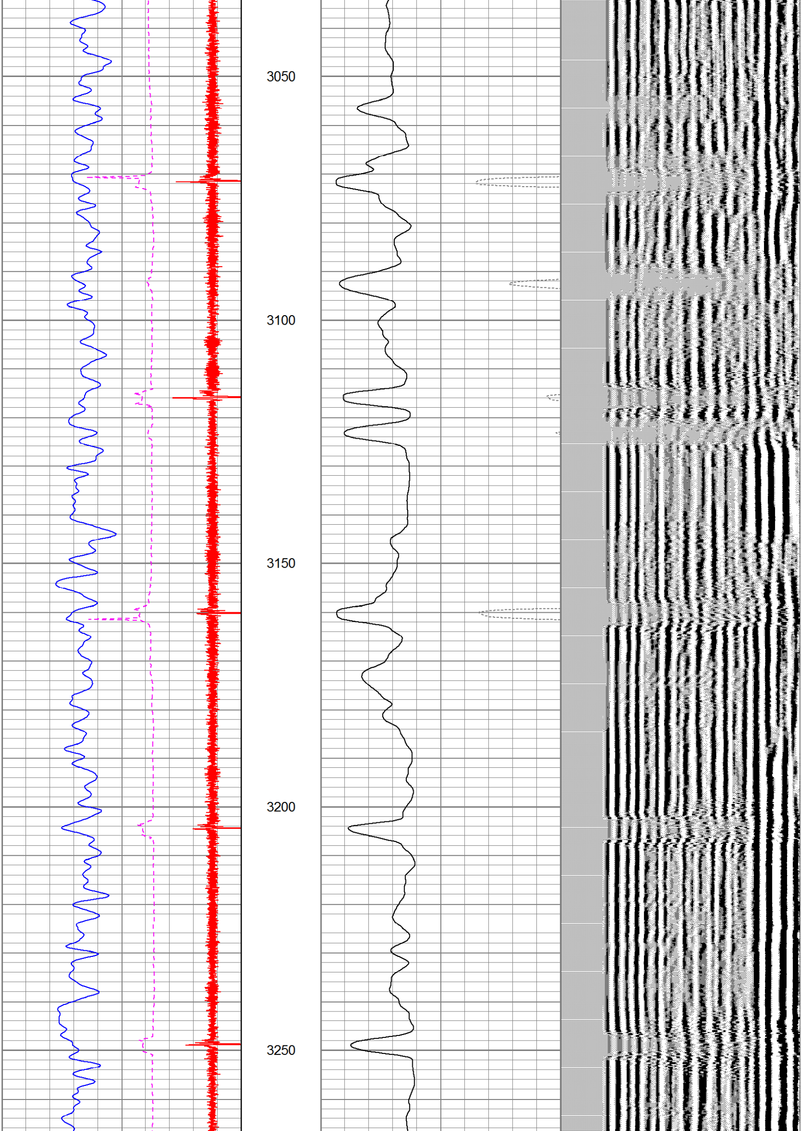


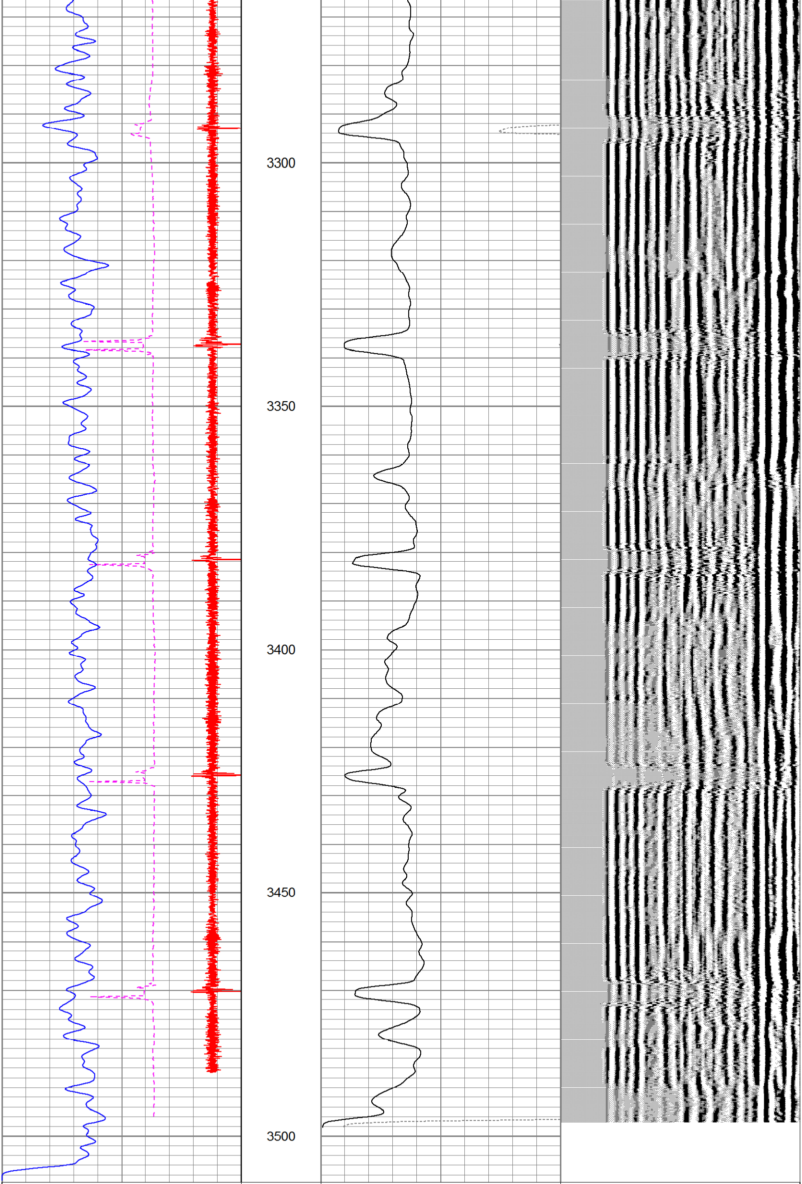
400 TRAVEL TIME (usec) 200	0 AMP3 (mV) 100	200 VDL 1200
15 Collar Locator -2	0 Amplified Amp 3 (mV) 10	
0 Gamma Ray (GAPI) 200		

Database File: pdcd24l441.db
Dataset Pathname: pass2
Presentation Format: cbl_drs
Dataset Creation: Mon Apr 29 09:28:12 2013 by Log Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240

400 TRAVEL TIME (usec) 200	0 AMP3 (mV) 100	200 VDL 1200
15 Collar Locator -2	0 Amplified Amp 3 (mV) 10	
0 Gamma Ray (GAPI) 200		







400 TRAVEL TIME (usec) 200
15 Collar Locator -2
0 Gamma Ray (GAPI) 200

0 AMP3 (mV) 100
0 Amplified Amp 3 (mV) 10

200 VDL 1200

Database File: pdcd24l441.db
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Presentation Format: cbl_drs
Dataset Creation: Mon Apr 29 08:46:57 2013 by Log Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240

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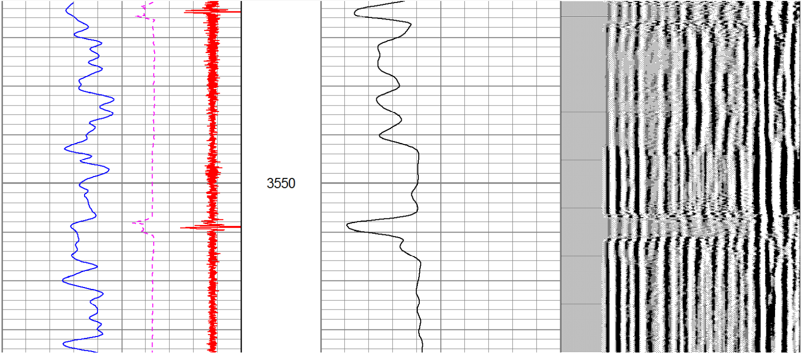
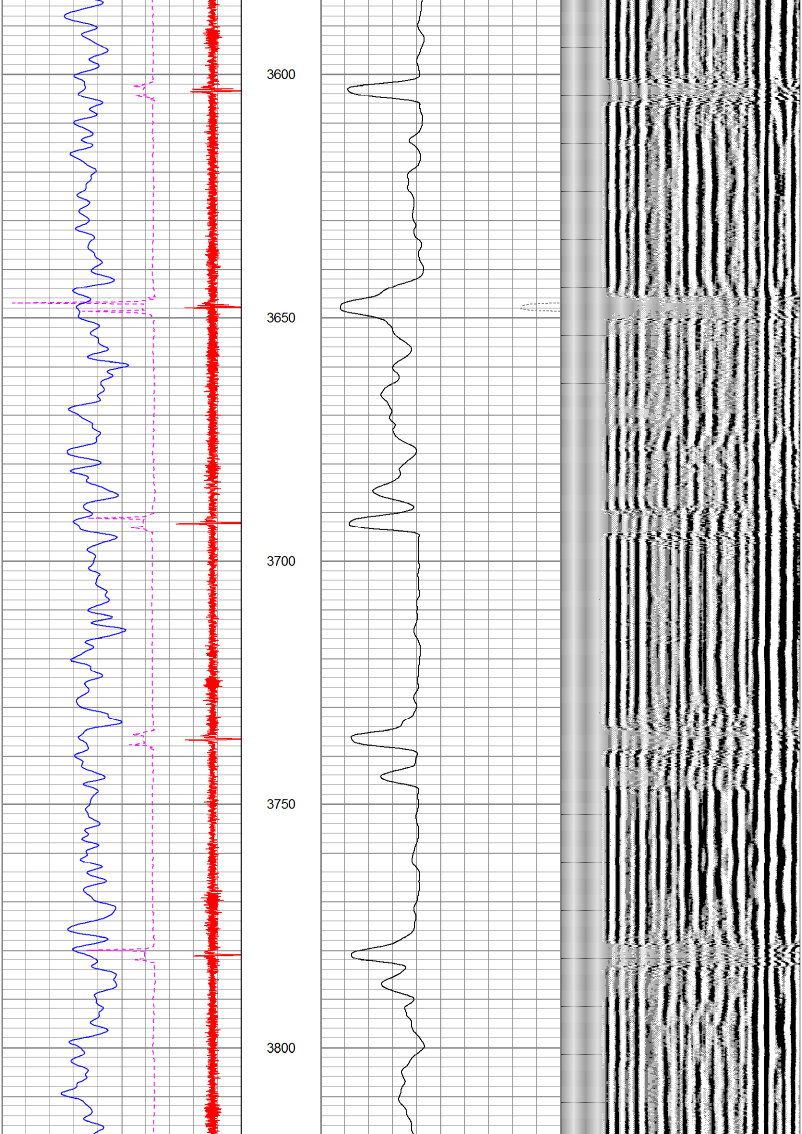
15 Collar Locator -2
0 Gamma Ray (GAPI) 200

0 AMP3 (mV) 100
0 Amplified Amp 3 (mV) 10

200 VDL 1200

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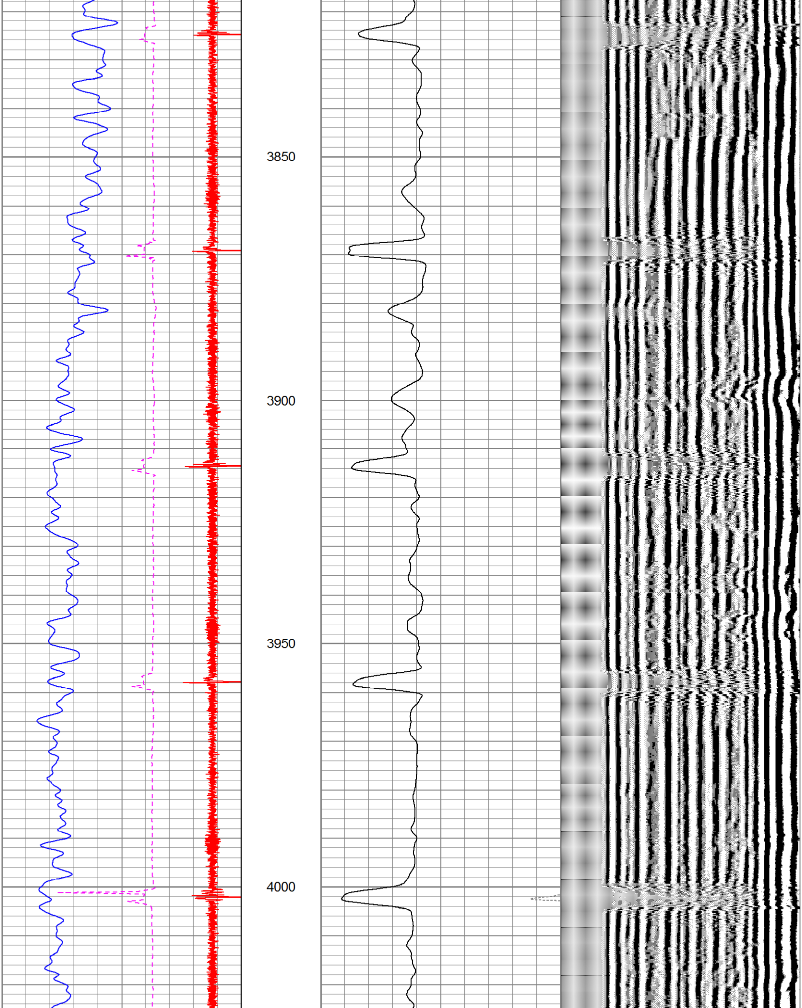
3700
3750
3800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3900
3950
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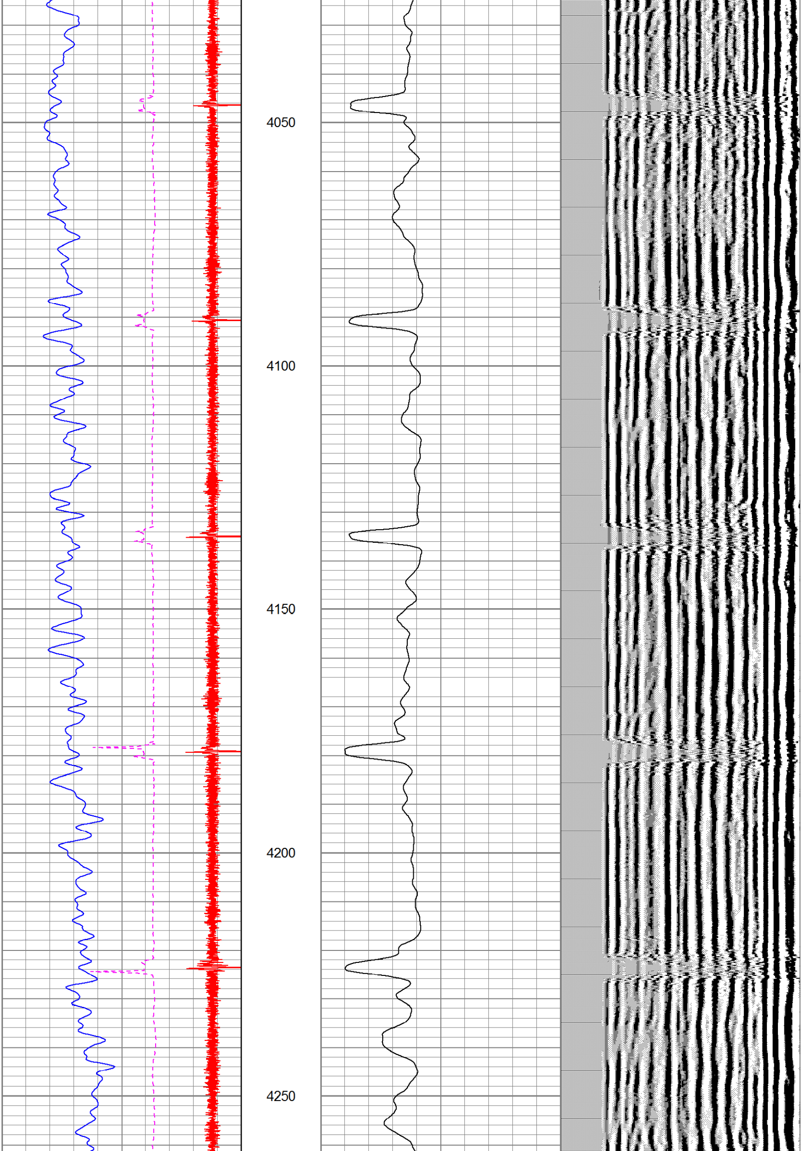
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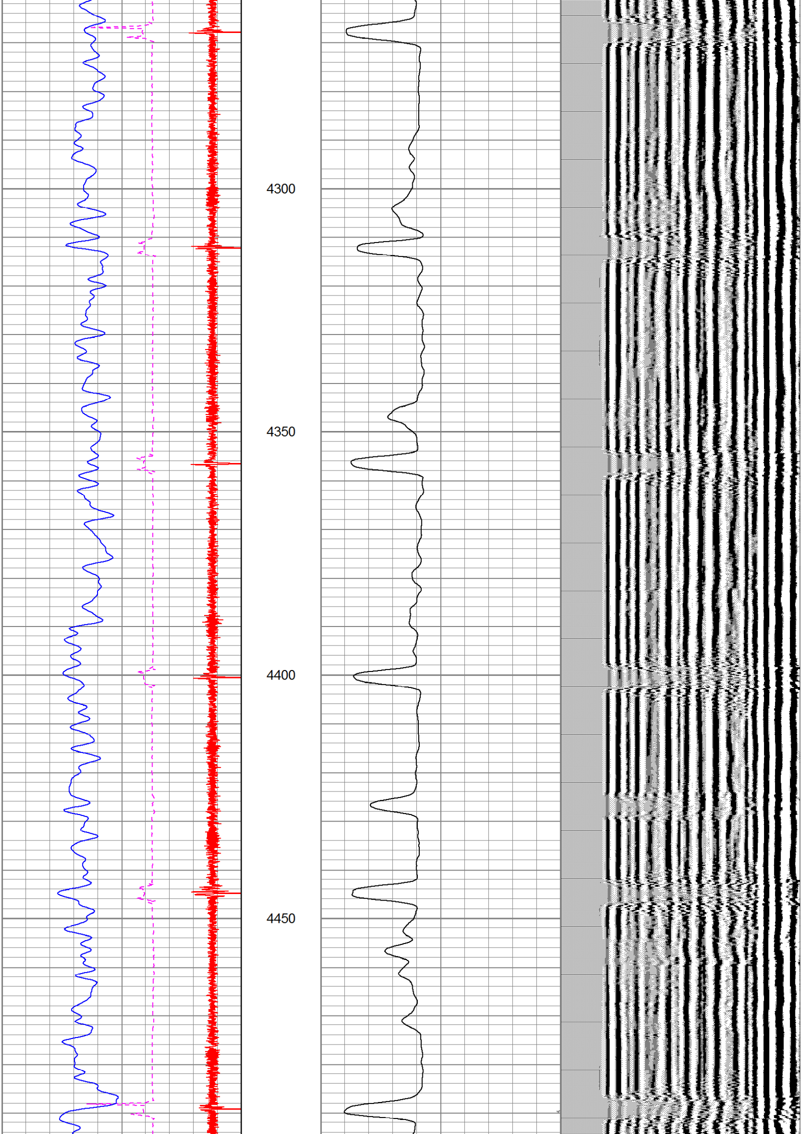
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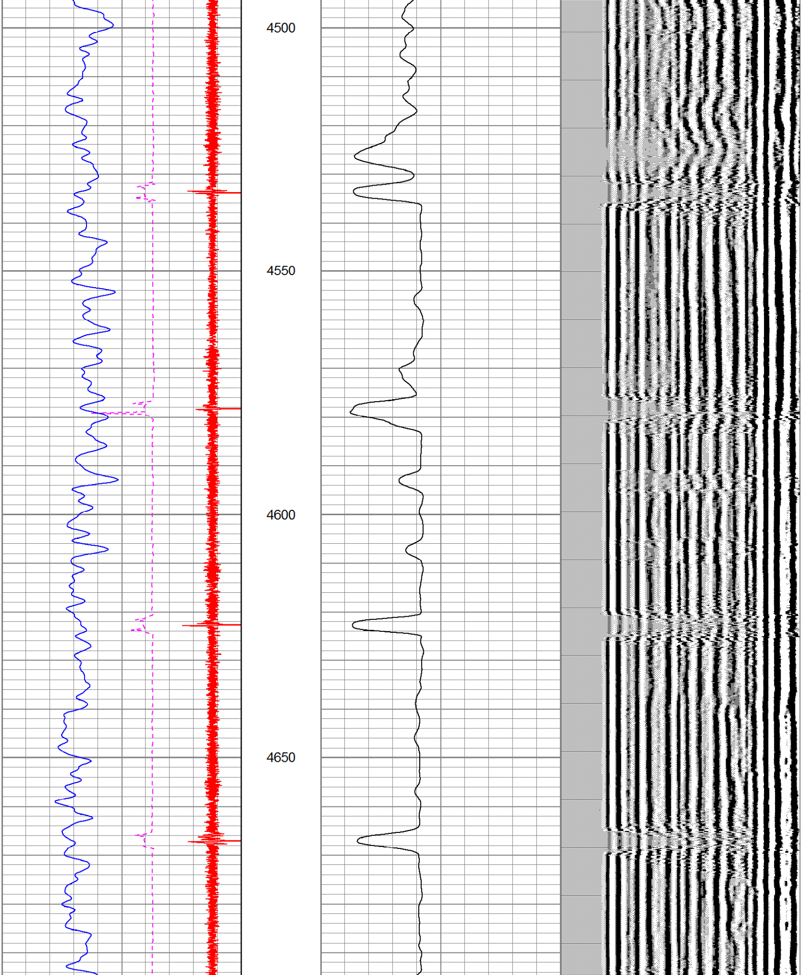
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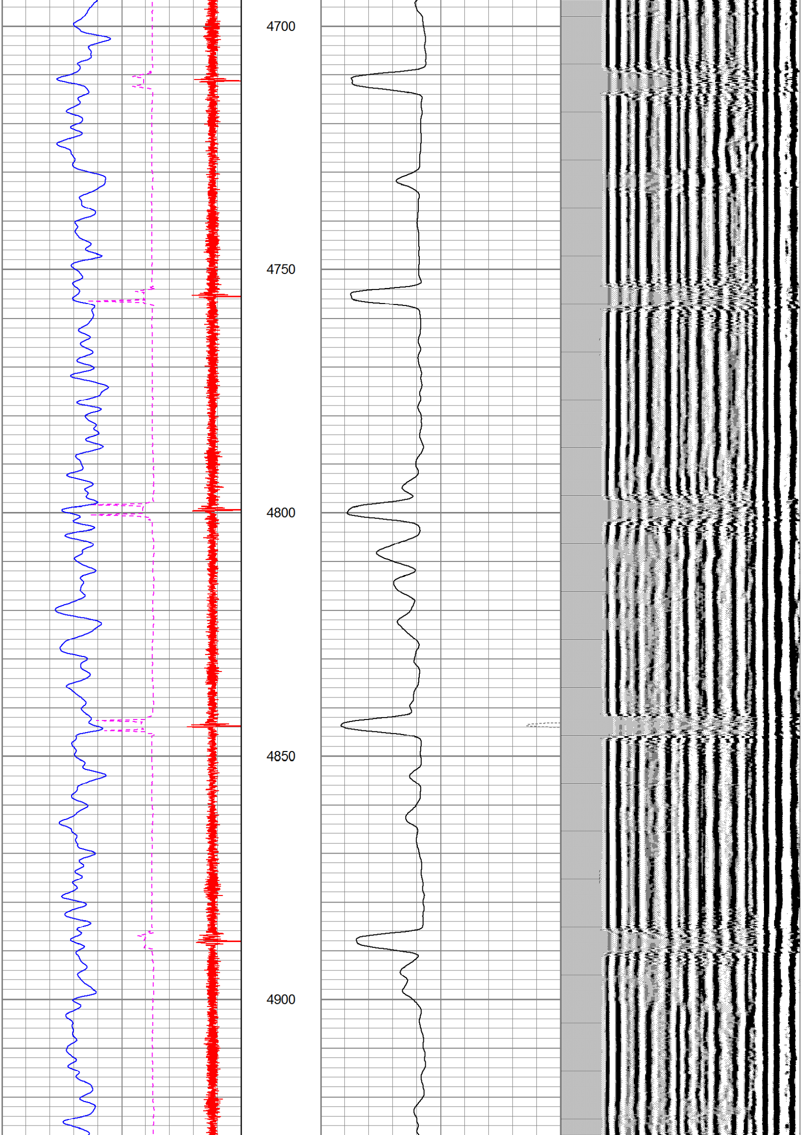
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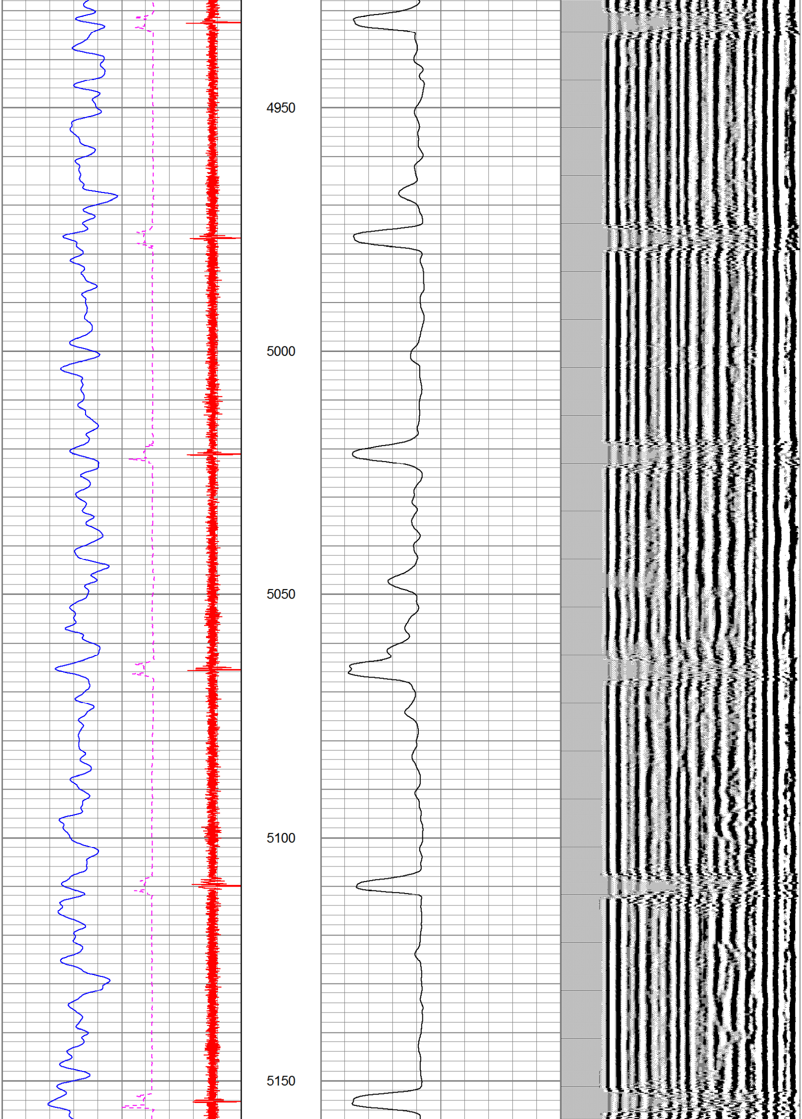
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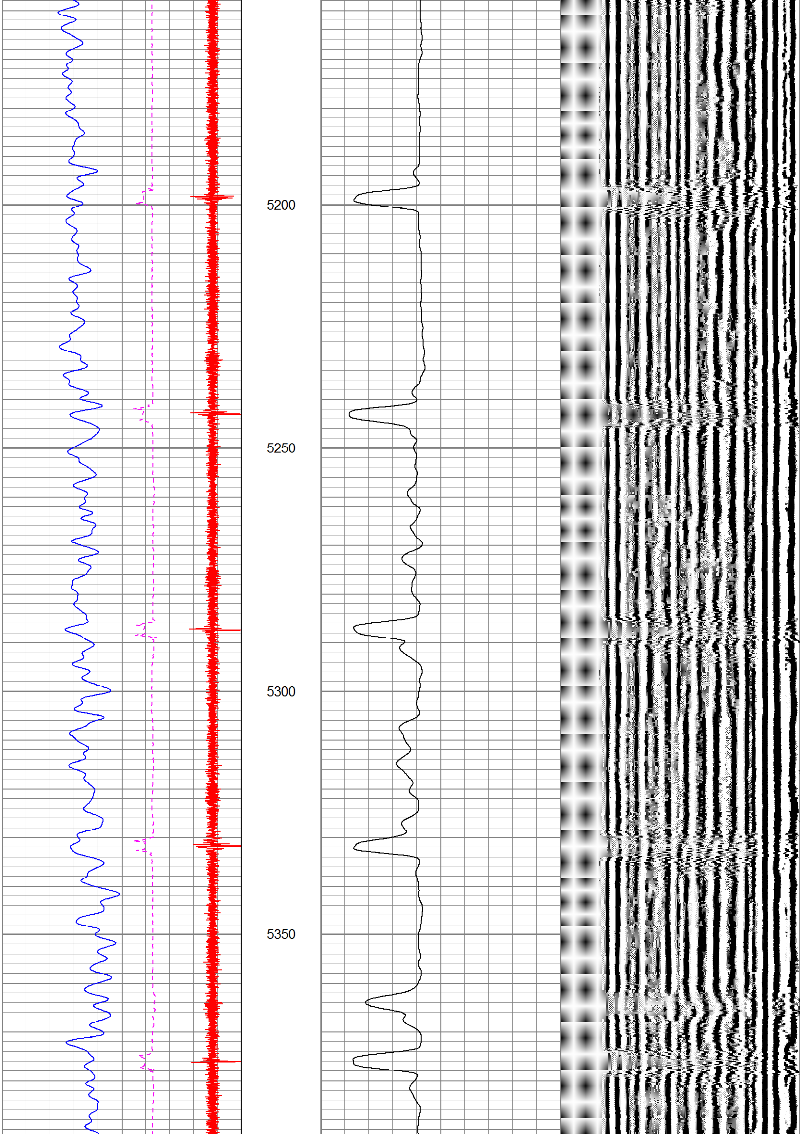
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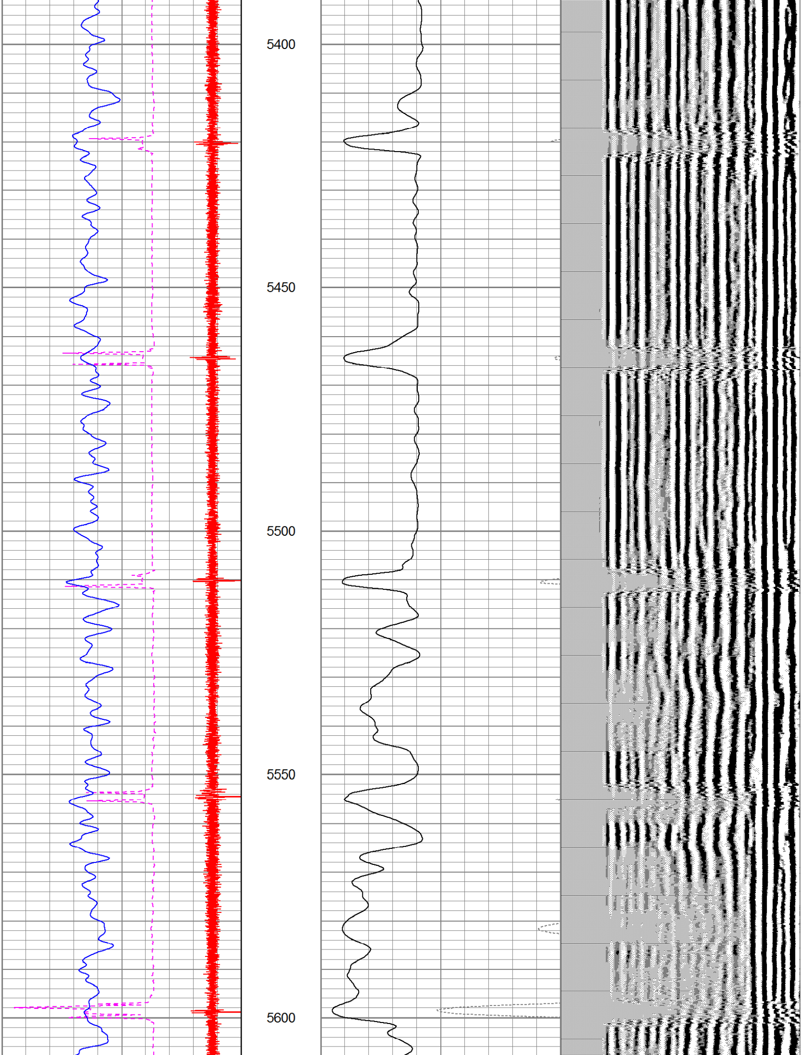
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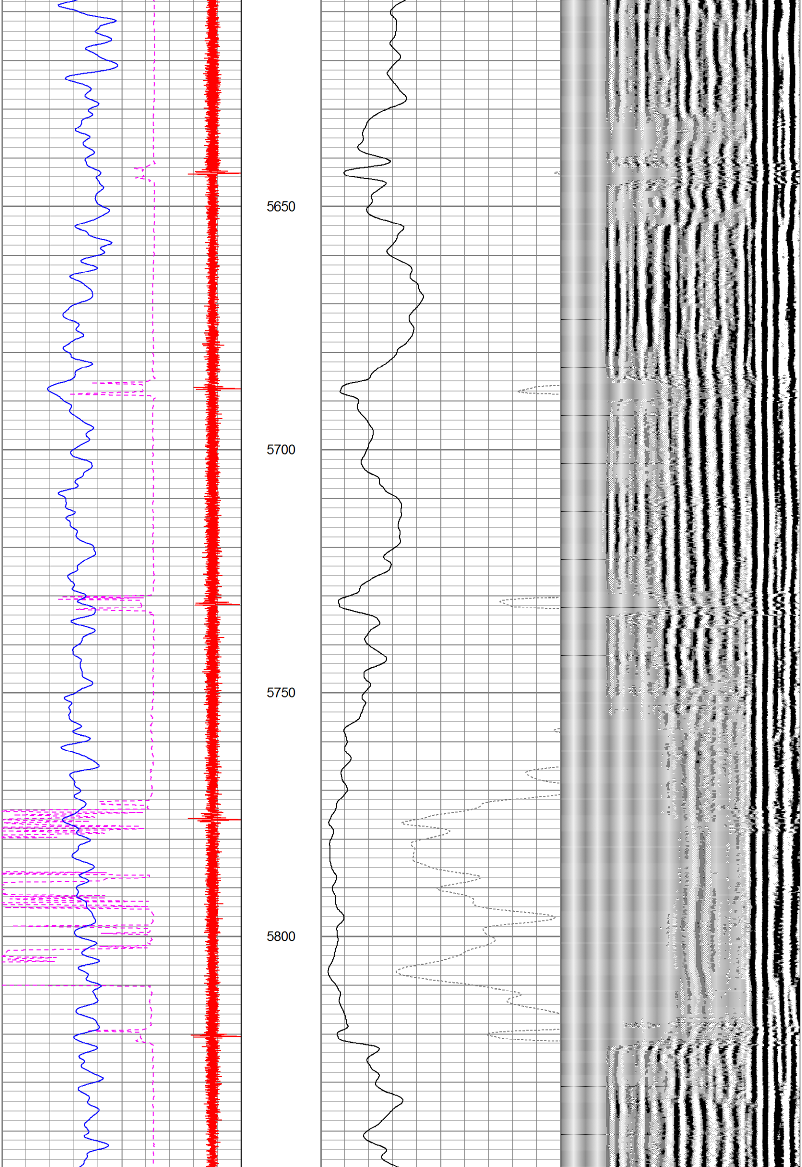
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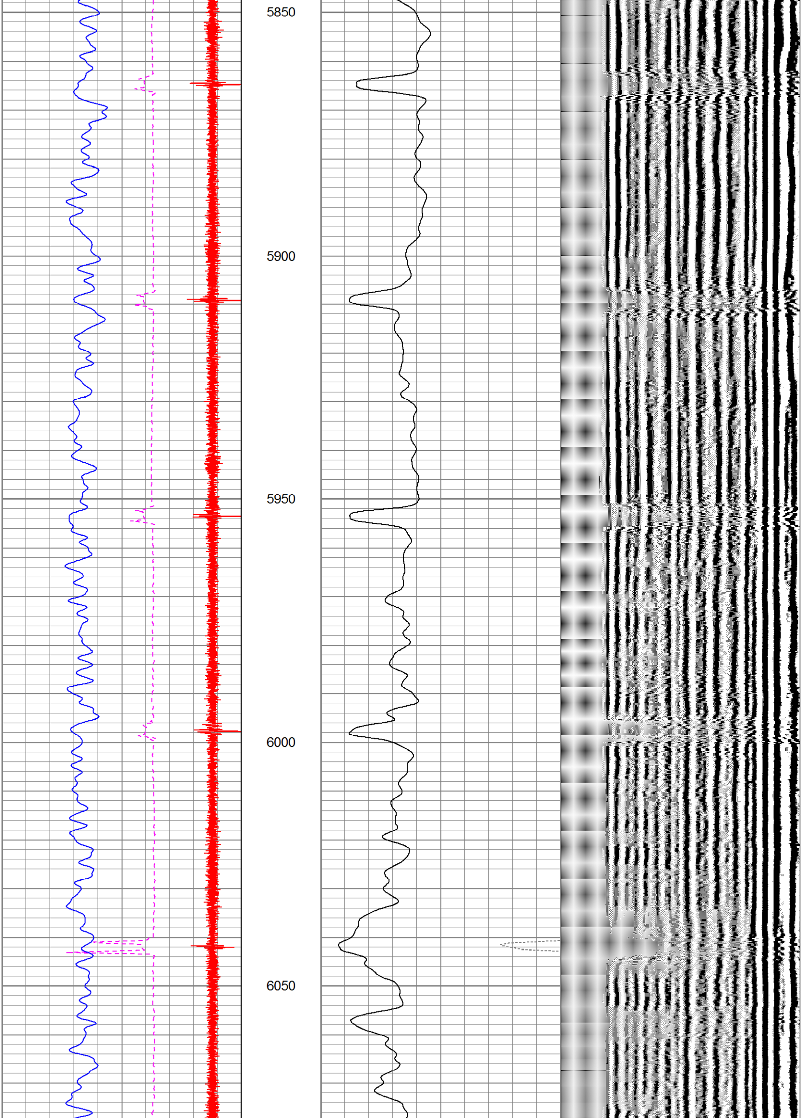
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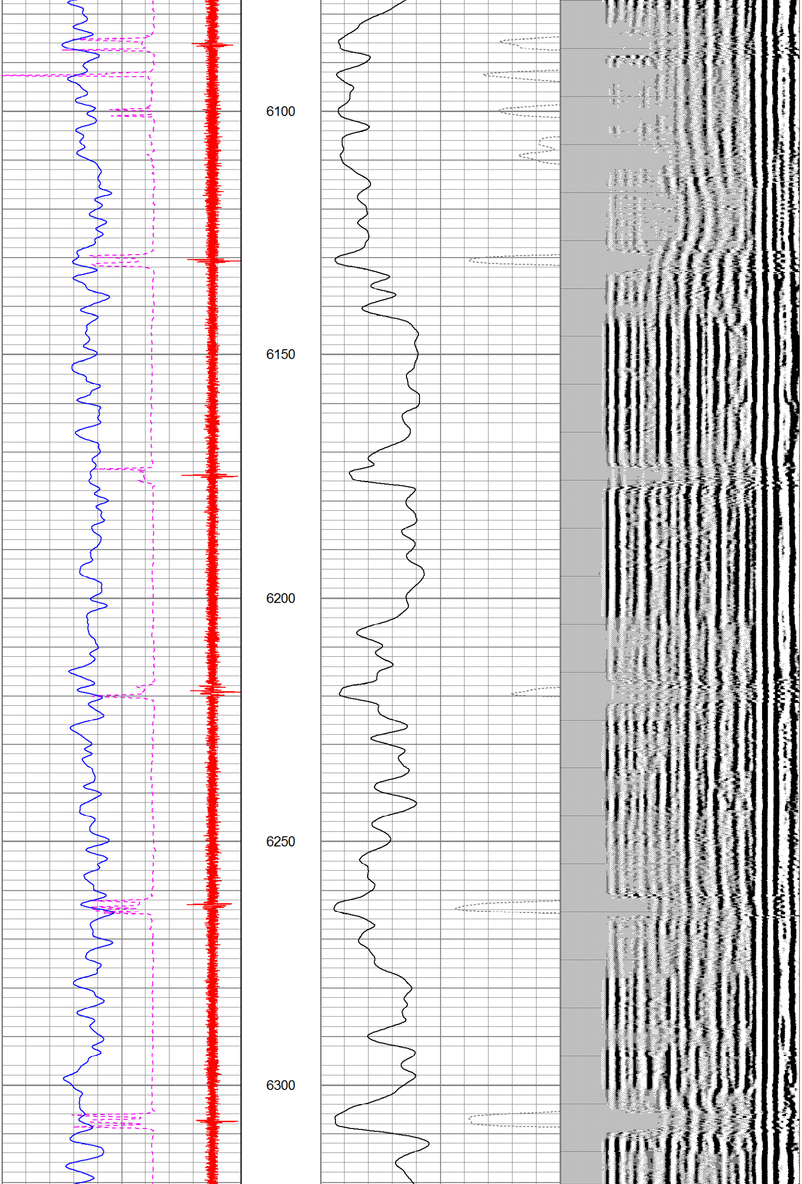
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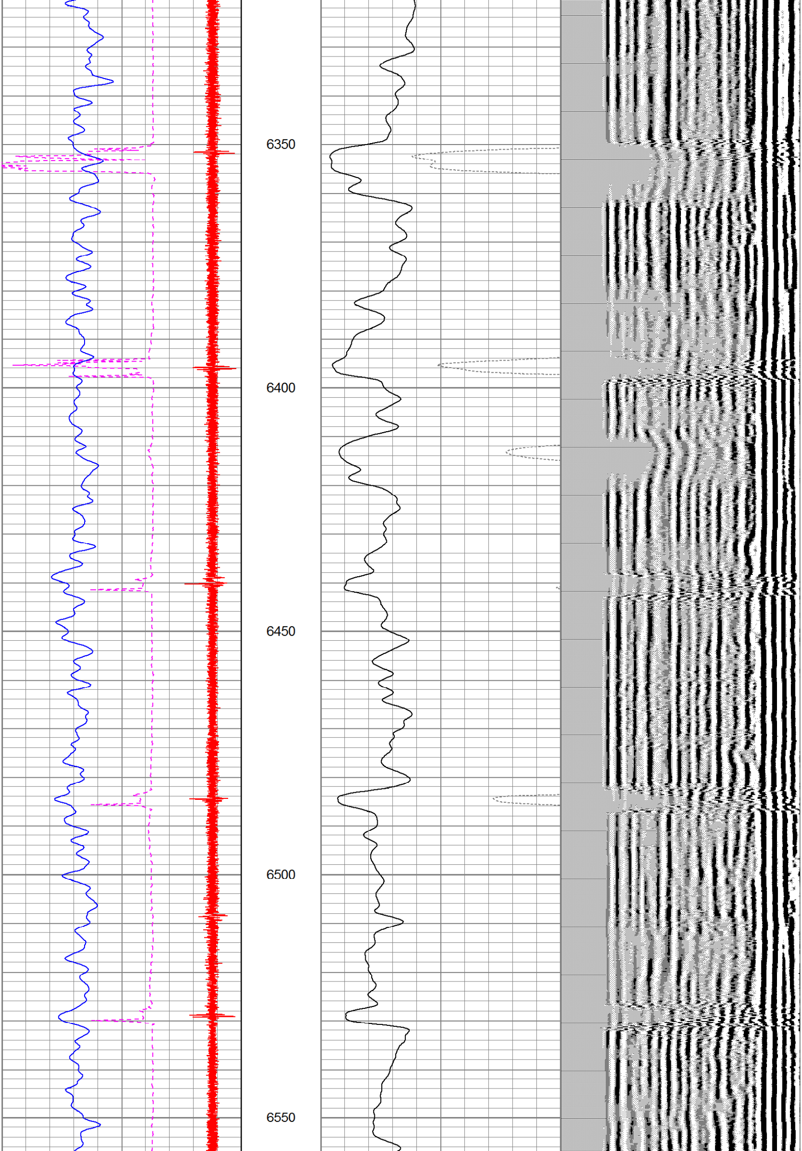
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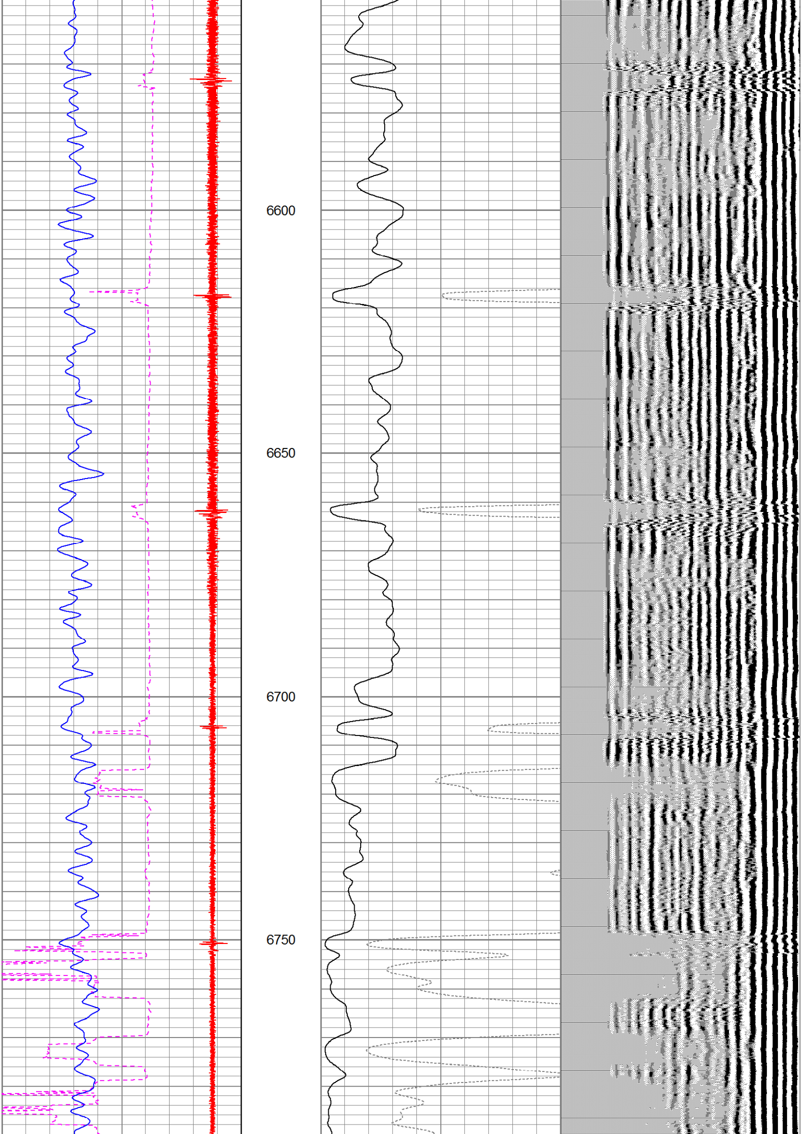
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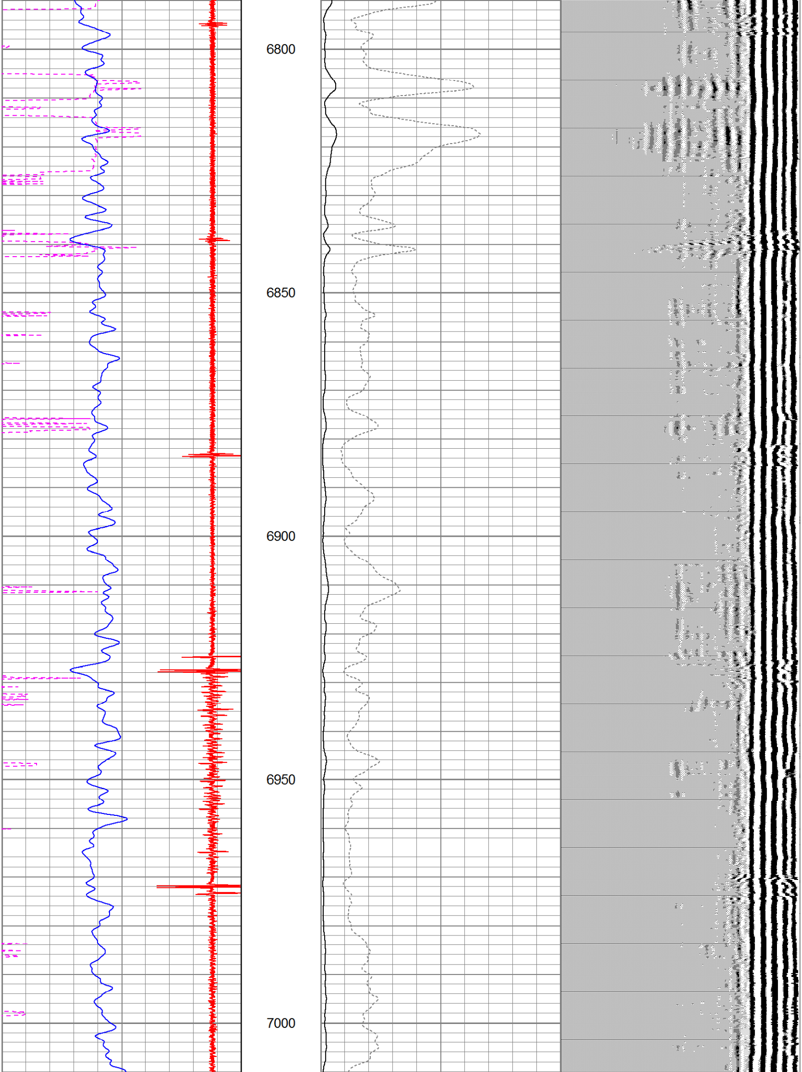
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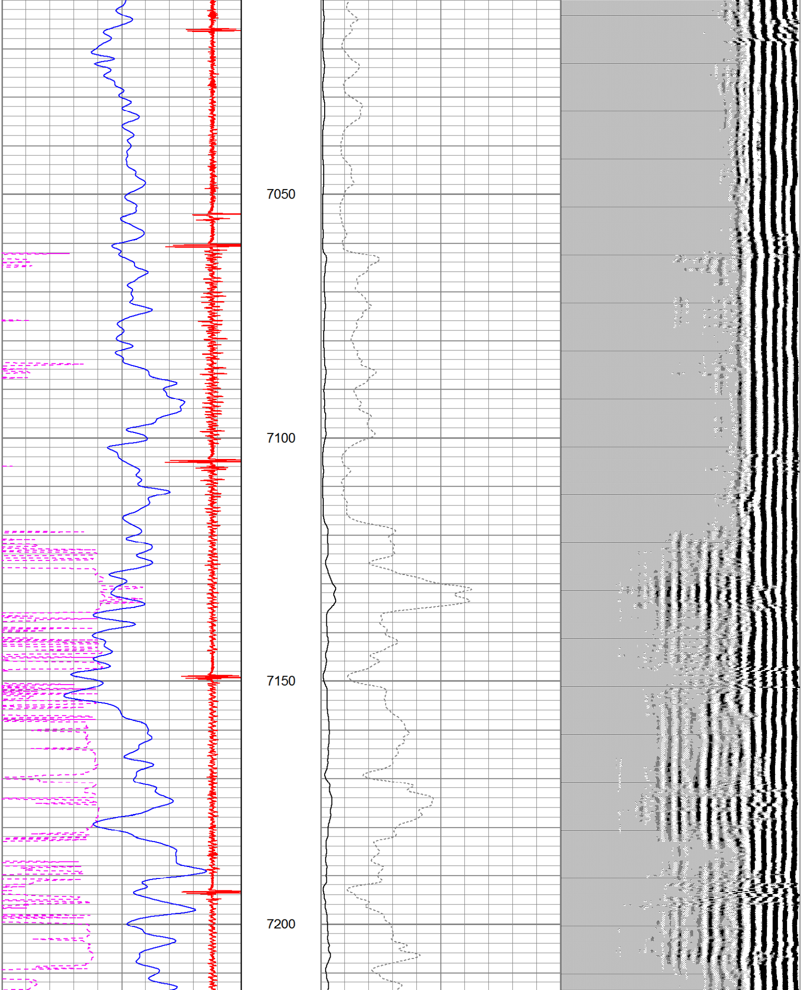
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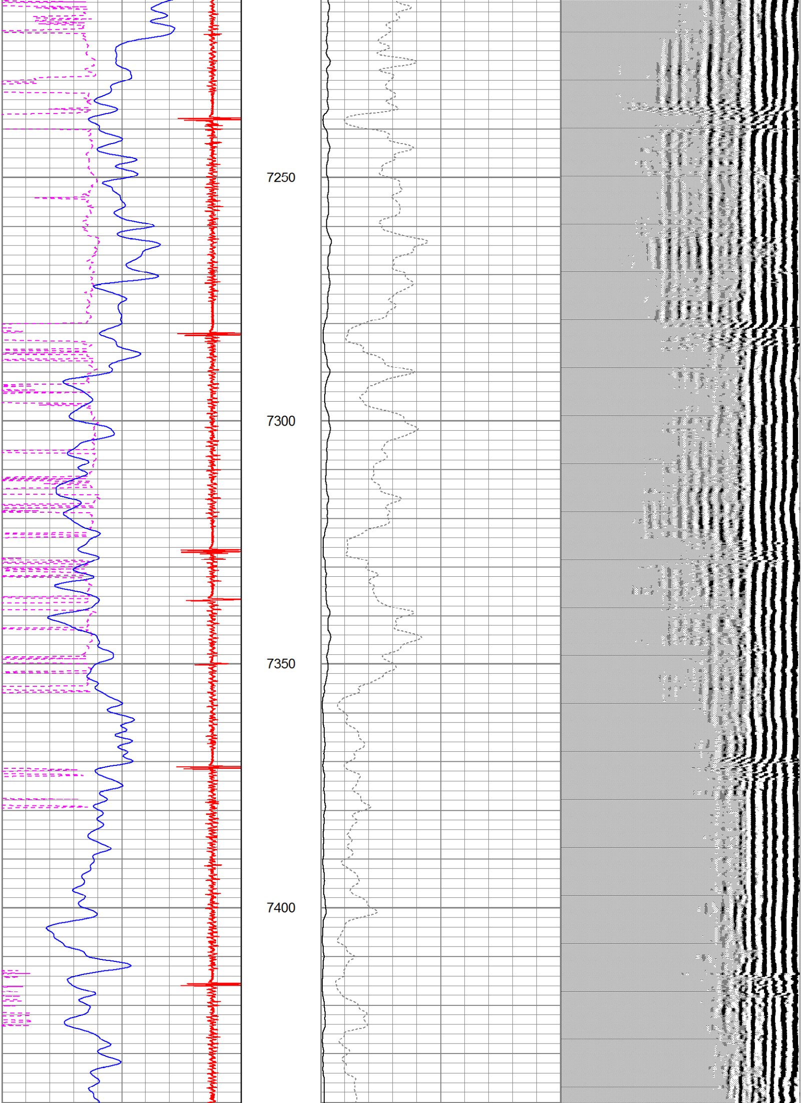
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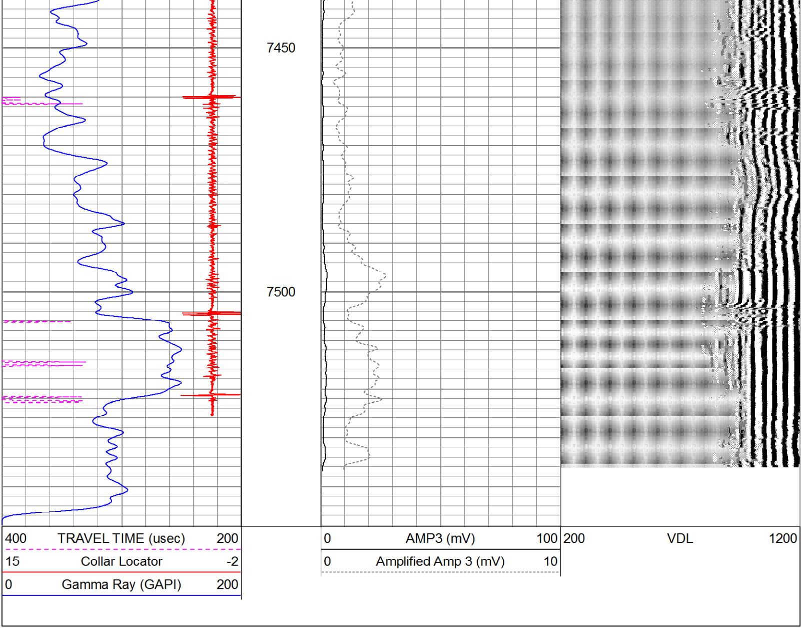
7450
7500
400 TRAVEL TIME (usec) 200
15 Collar Locator -2
0 Gamma Ray (GAPI) 200
0 AMP3 (mV) 100
0 Amplified Amp 3 (mV) 10
200 VDL 1200