C&J ENERGY SERVICES

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

Company PDC Energy
Well Harold 6Y-214
Field Wattenberg
County Weld State CO

Location: API #: 05-123-45754
502' FSL & 436' FEL
SE / SE
SEC 6 TWP 4N RGE 64W

Other Services

Permanent Datum Elevation 4804'
Log Measured From
Drilling Measured From

Elevation
K.B.
D.F.
G.L. 4804'

Company	PDC Energy
Well	Harold 6Y-214
Field	Wattenberg
County	Weld
State	CO

Date	February 25, 2019
Run Number	1
Depth Driller	11,857'
Depth Logger	7000'
Bottom Logged Interval	7000'-0'
Top Log Interval	
Casing Size	
Type Fluid	Water
Max. Recorded Temp.	240°
Estimated Cement Top	
Time Well Ready	
Time Logger On Bottom	
Unit Number	
Tool Size / ID Number	Probe 2-3/4" Radii
Location	WCRts48+49,E9/10,N
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	5.5"			
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.

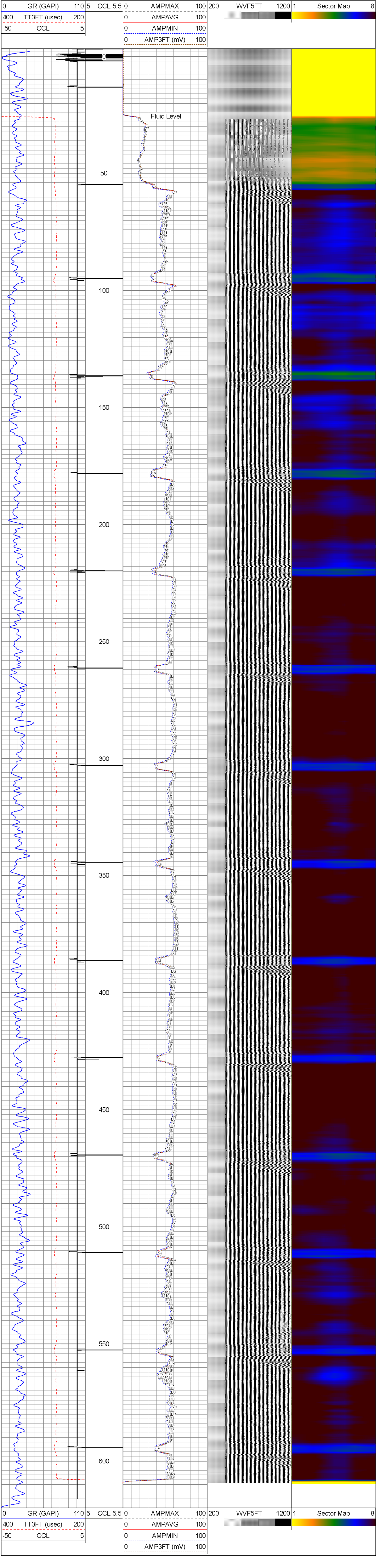
Comments

Harold 11 Well Pad

<NORTH> O O O O O O O O O X O <SOUTH>

X = Harold 6Y-214

Database File: pdch6y214.db
Dataset Pathname: pass2
Presentation Format: sector2
Dataset Creation: Mon Feb 25 10:33:02 2019 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240



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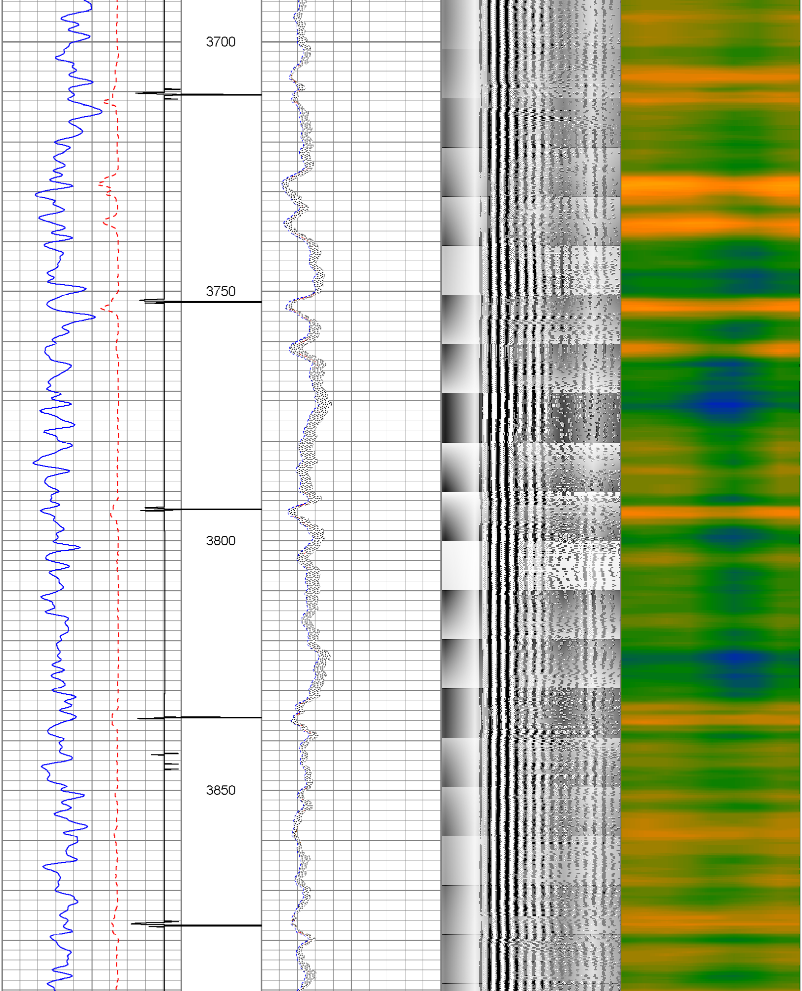
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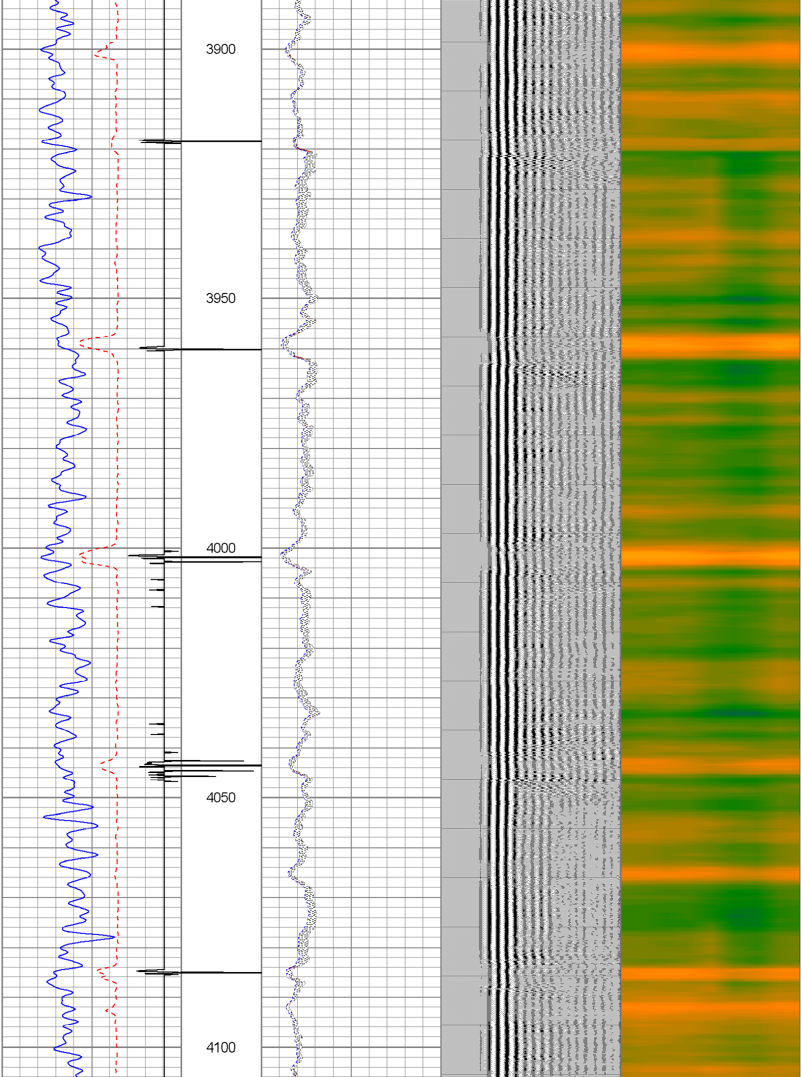
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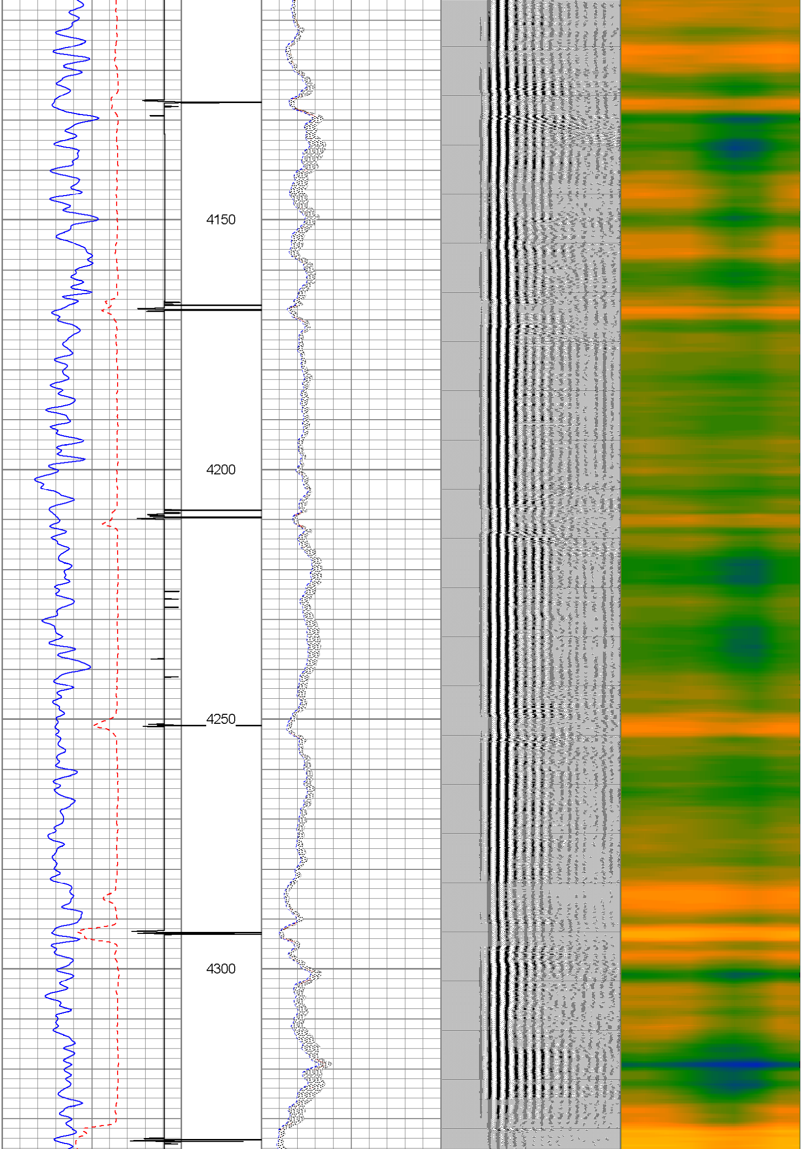
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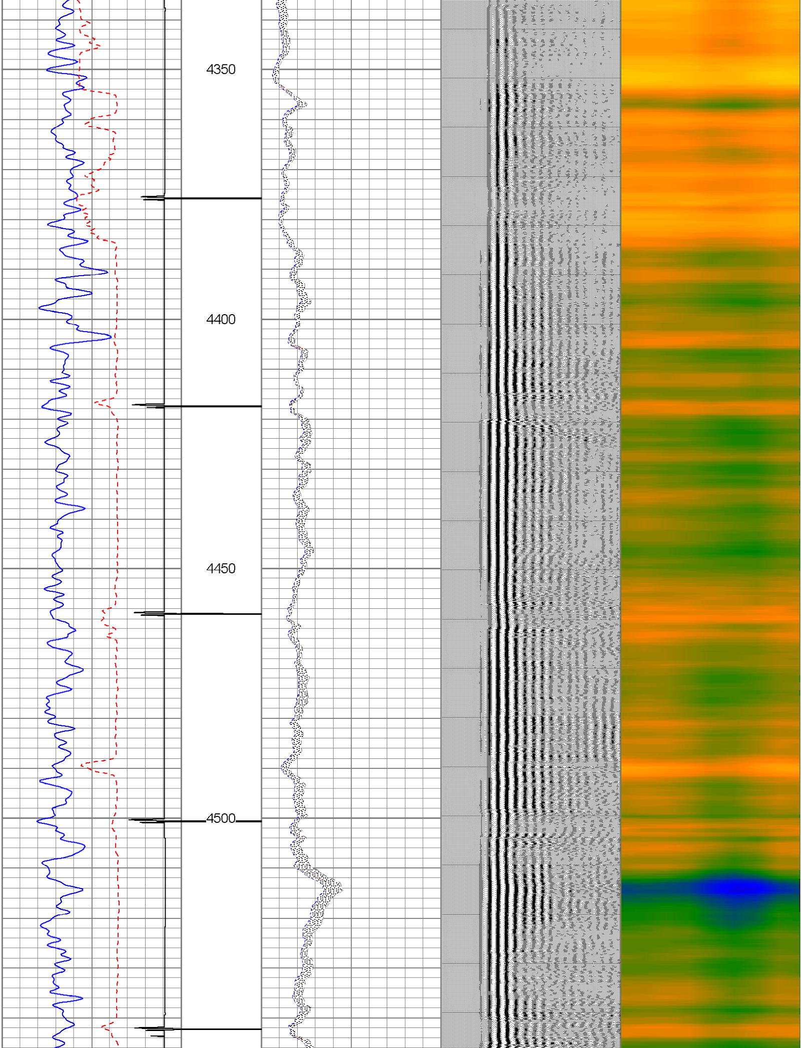
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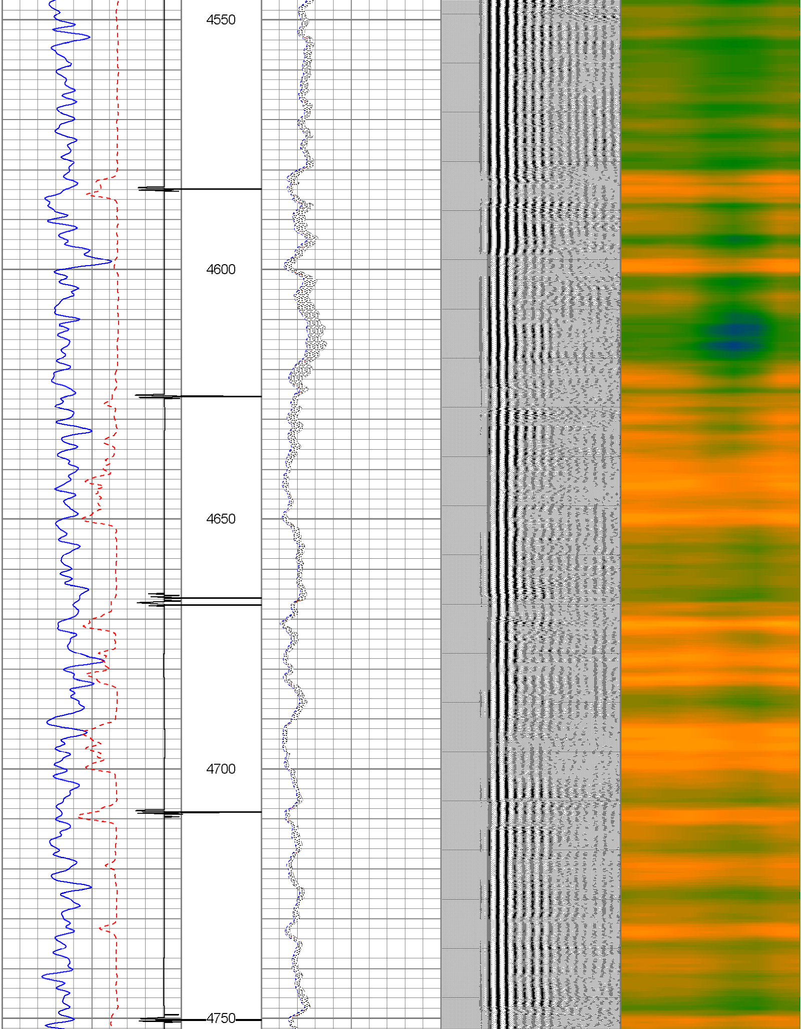
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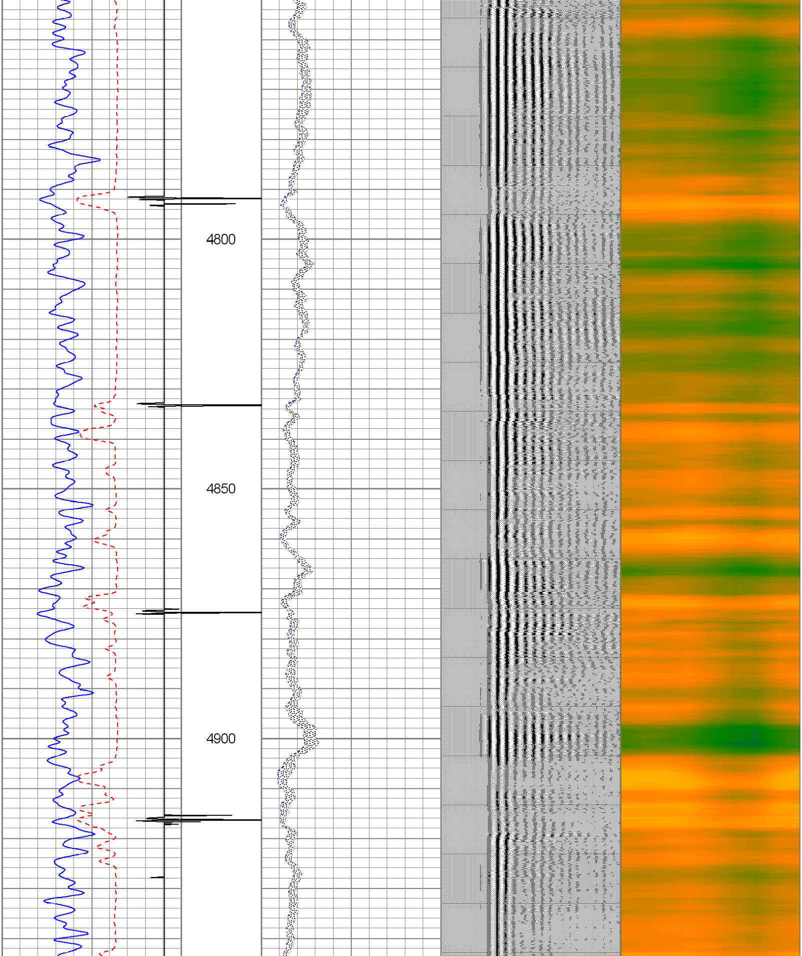
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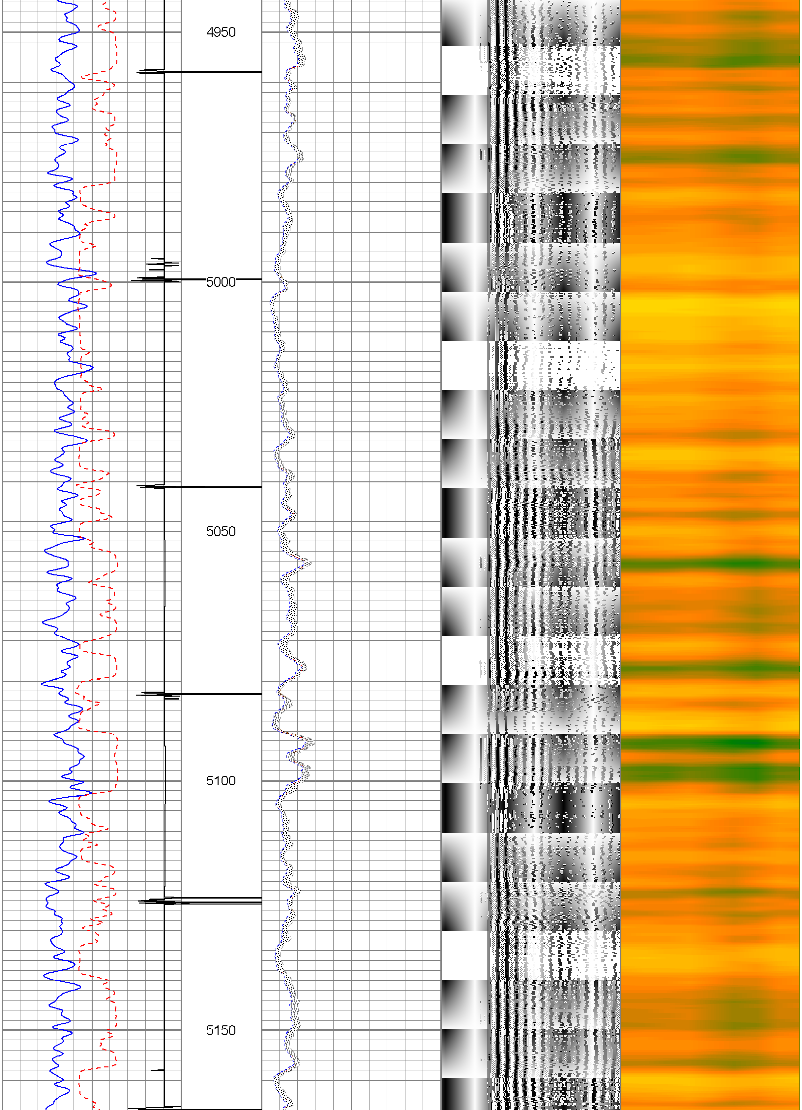
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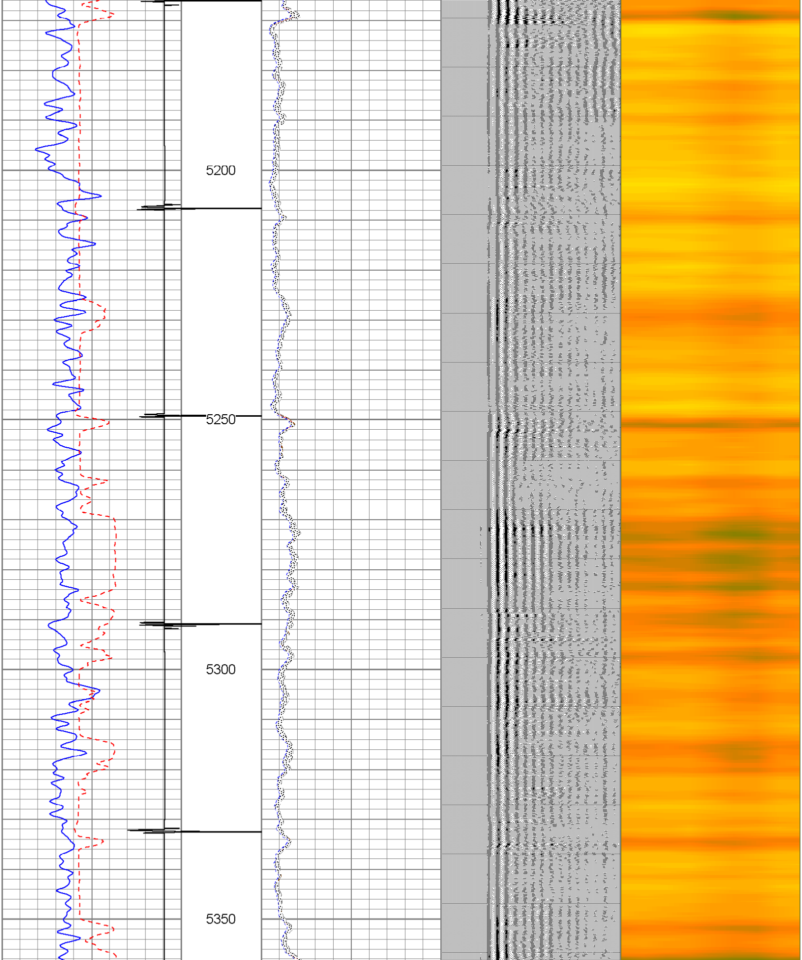
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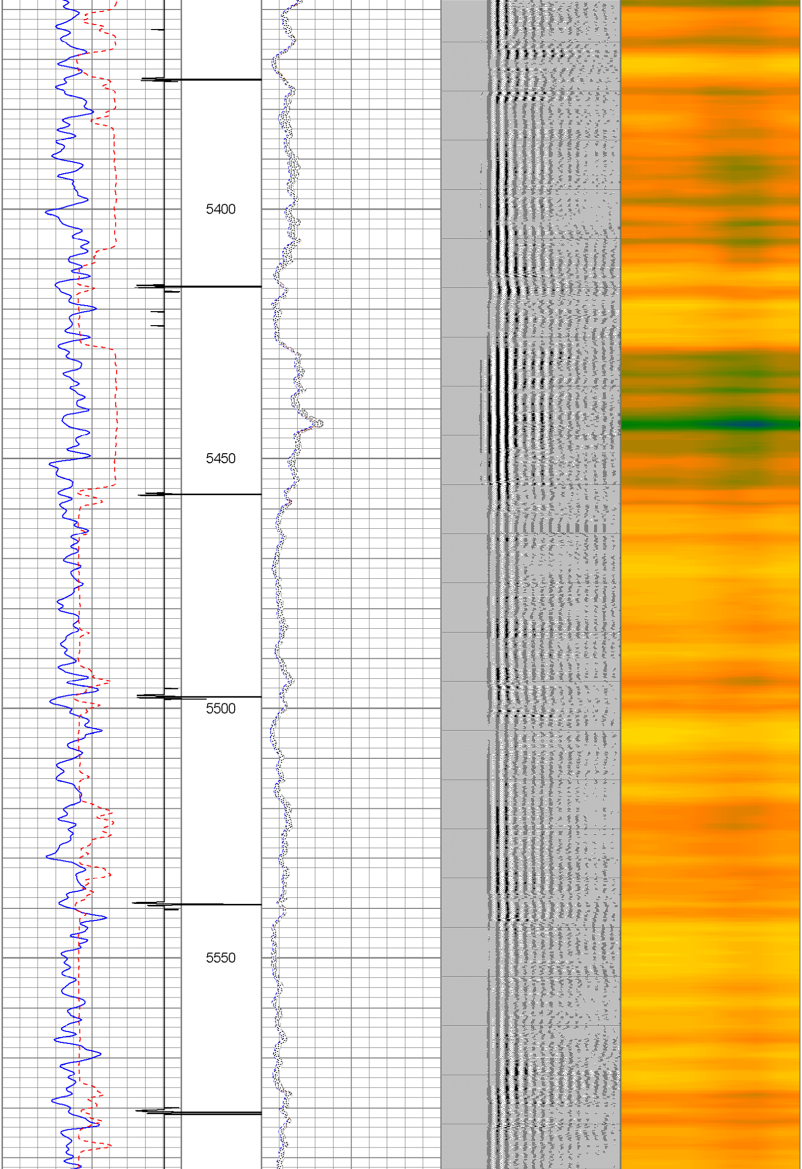
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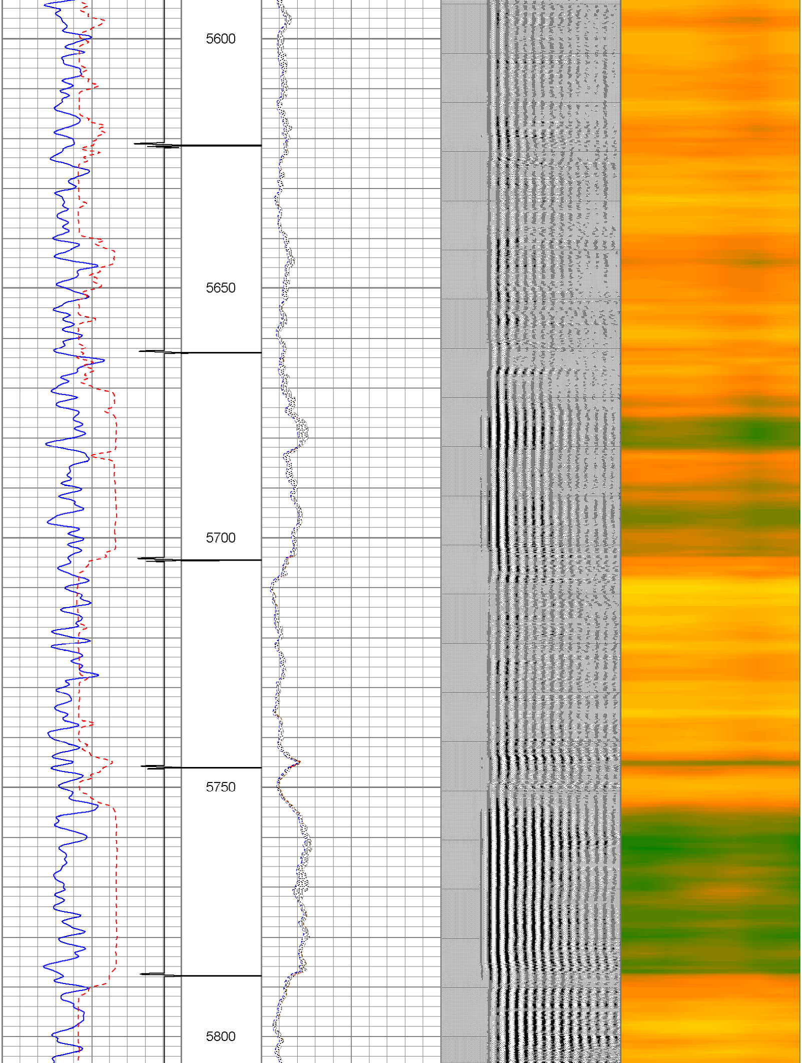
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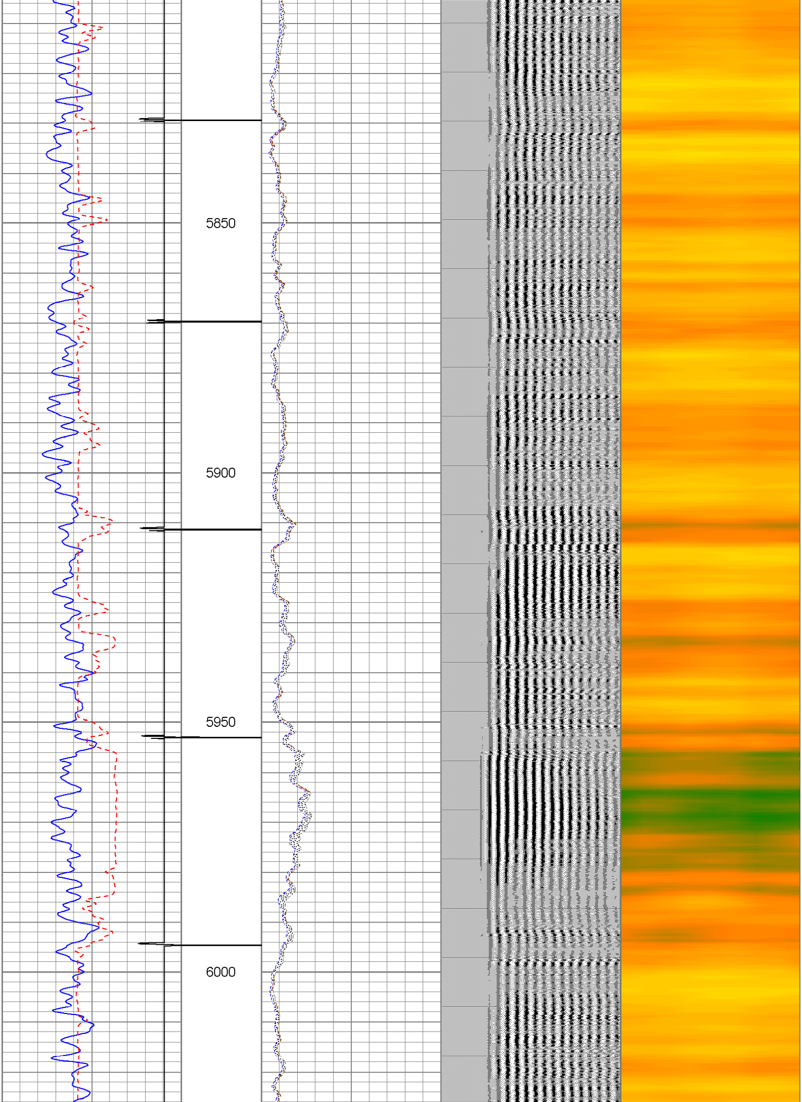
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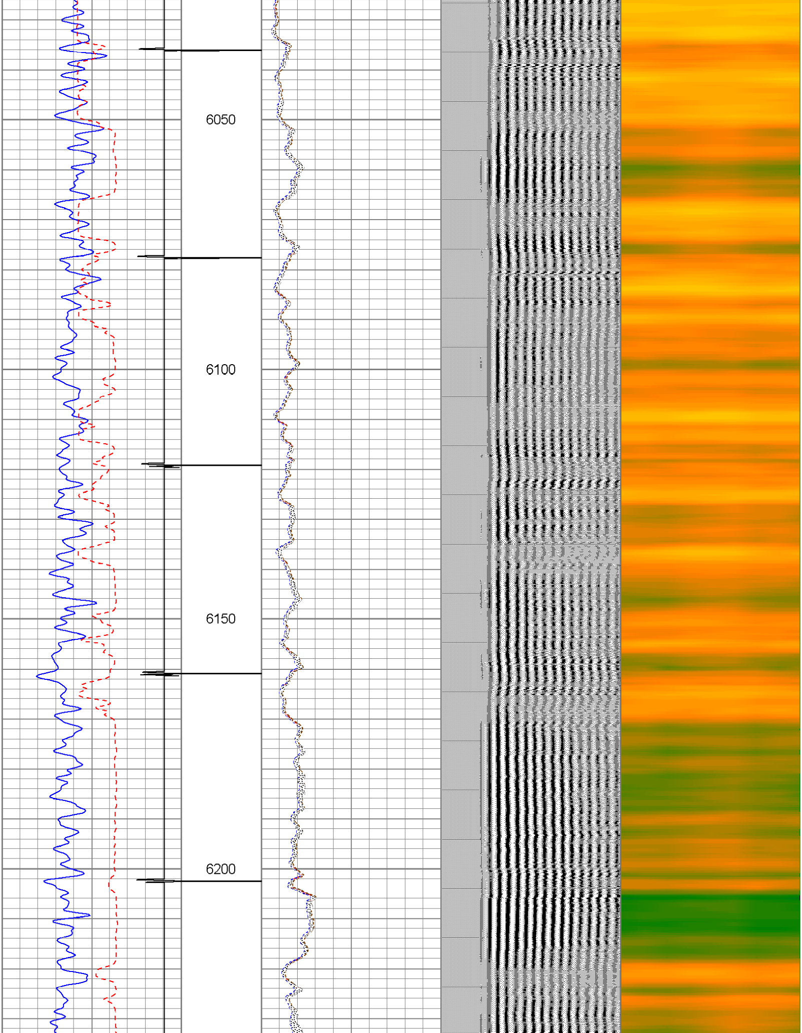
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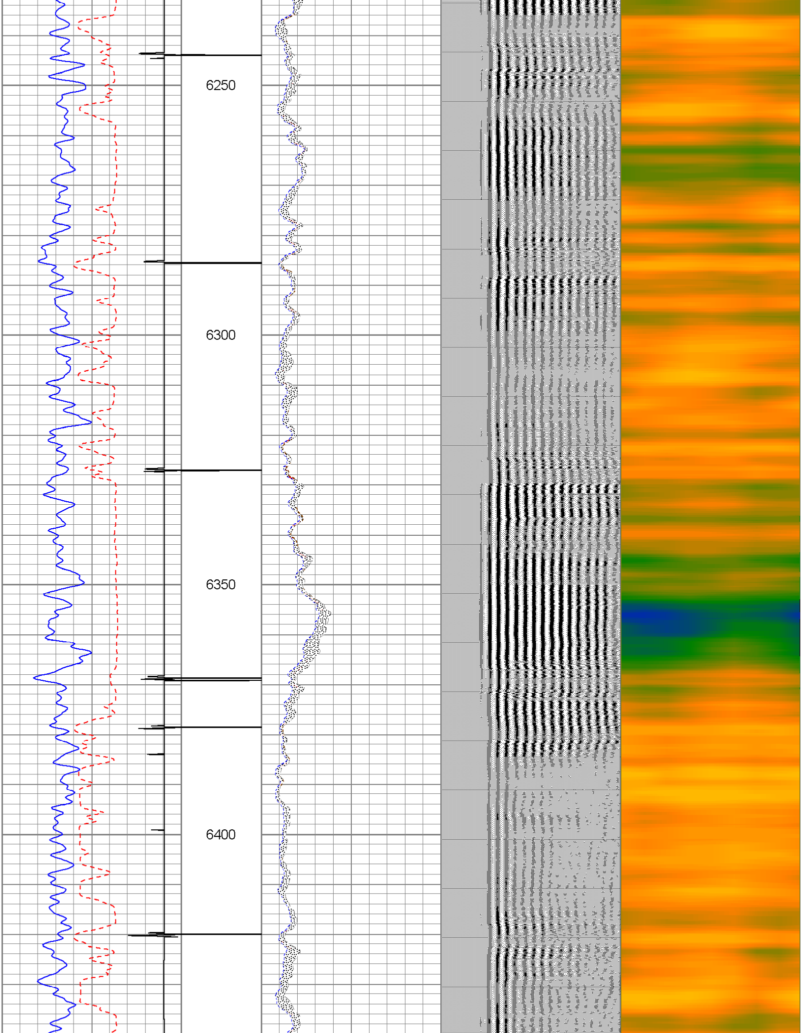
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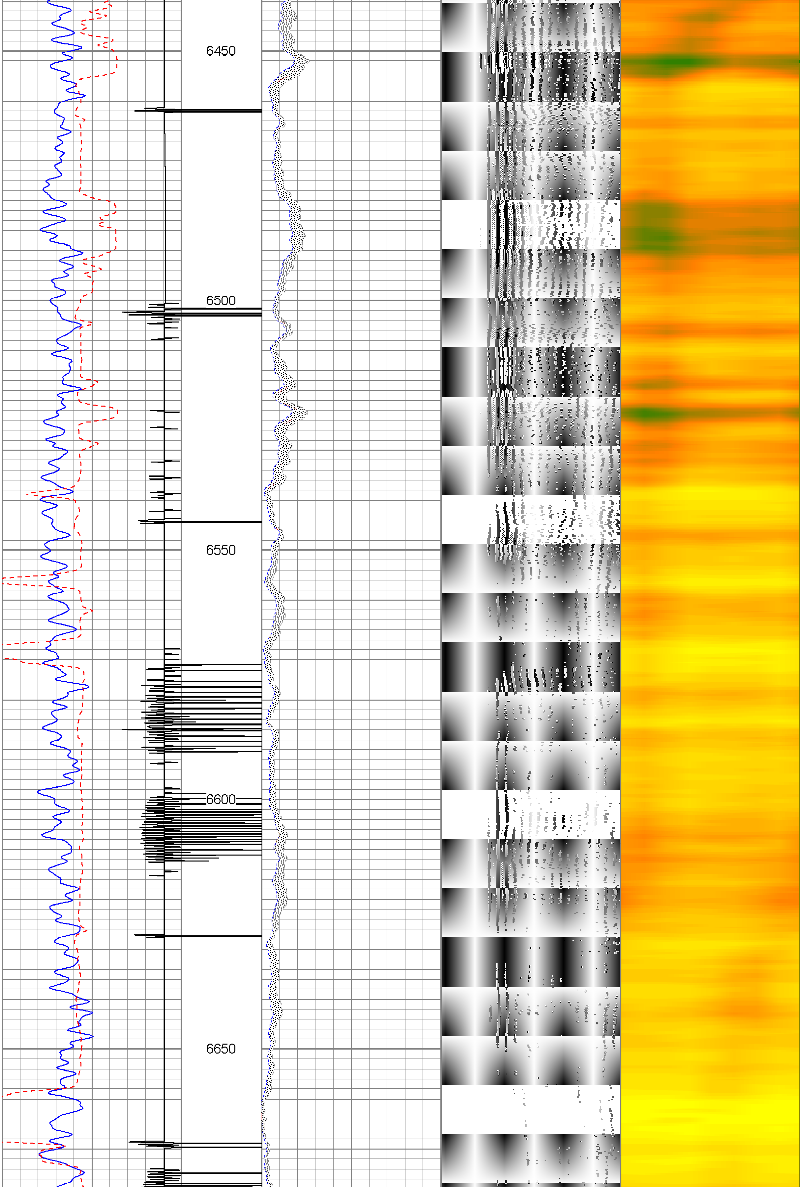
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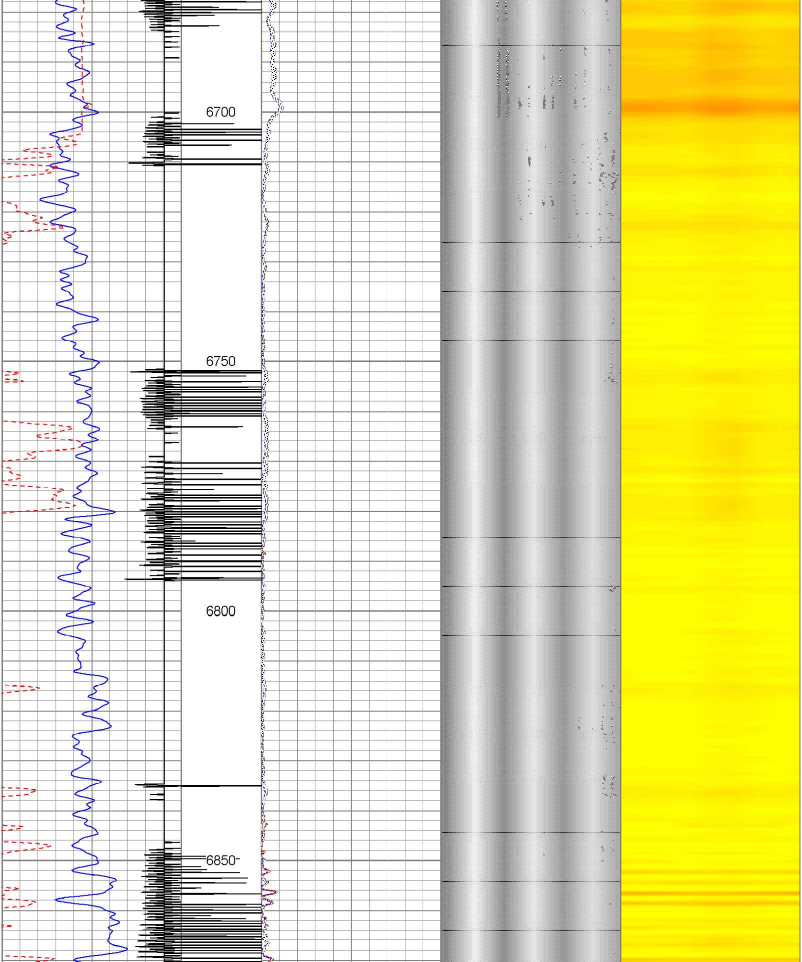
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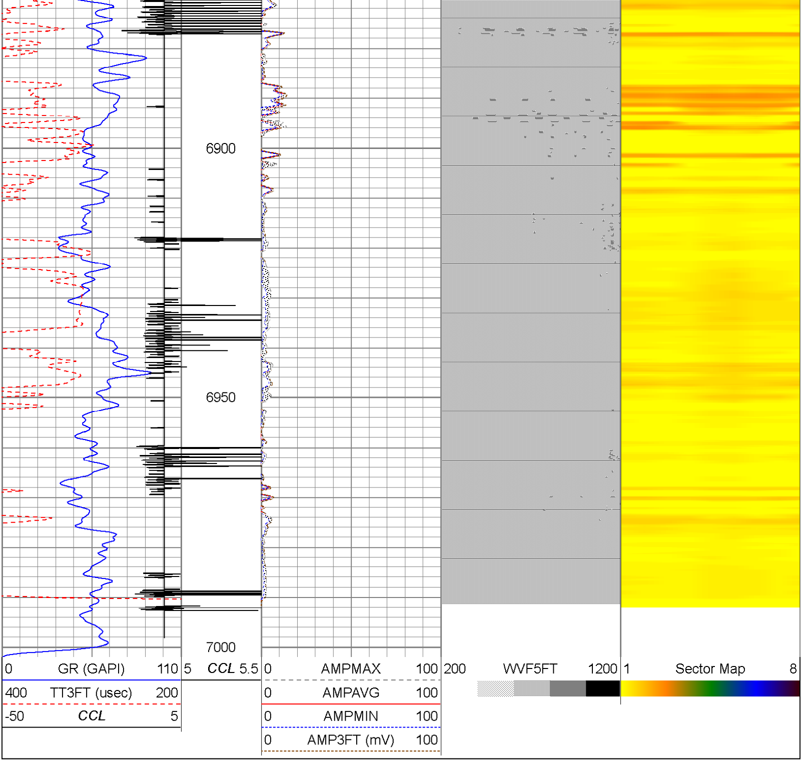
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0 AMP3FT (mV) 100
200 WVF5FT 1200
1 Sector Map 8