Casedhole Solutions

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

Company	PDC Energy
Well	Brown 23X - 241
Field	Wattenberg
County	Weld
State	CO

Company PDC Energy
Well Brown 23X - 241
Field Wattenberg
County Weld State CO

Location: API #: 05-123-42655
1082' FSL & 1329' FEL
SW / SE
SEC 23 TWP 5N RGE 65W

Other Services

Permanent Datum	GL	Elevation 4643'	Elevation K.B. D.F. G.L. 4643'
Log Measured From	GL		
Drilling Measured From	KB		

Date	March 9, 2017
Run Number	1
Depth Driller	15,545'
Depth Logger	6900'
Bottom Logged Interval	6900'-0'
Top Log Interval	
Casing Size	
Type Fluid	WATER
Max. Recorded Temp.	N/A
Estimated Cement Top	
Time Well Ready	
Time Logger On Bottom	
Unit Number	923827
Tool Size / ID Number	2-3/4" Probe Radii
Location	WCRs54+74,W2/10,N2/10,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	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.

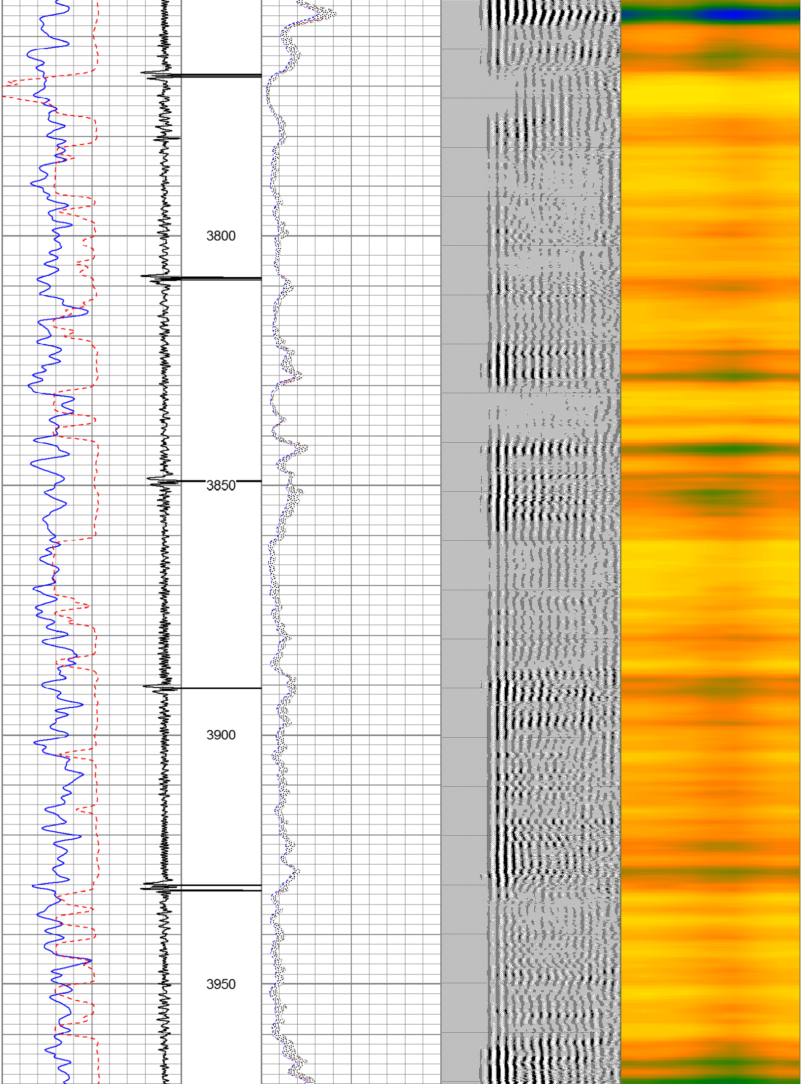
Comments

Brown 5N65W23D 8 Well Pad

<WEST> O O O O O O O X <EAST>

X = Brown 23X - 241

Database File:	pdcb23x241.db
Dataset Pathname:	pass1.1
Presentation Format:	sector2
Dataset Creation:	Thu Mar 09 08:01:49 2017 by Calc 7.0 B1
Charted by:	Depth in Feet scaled 1:240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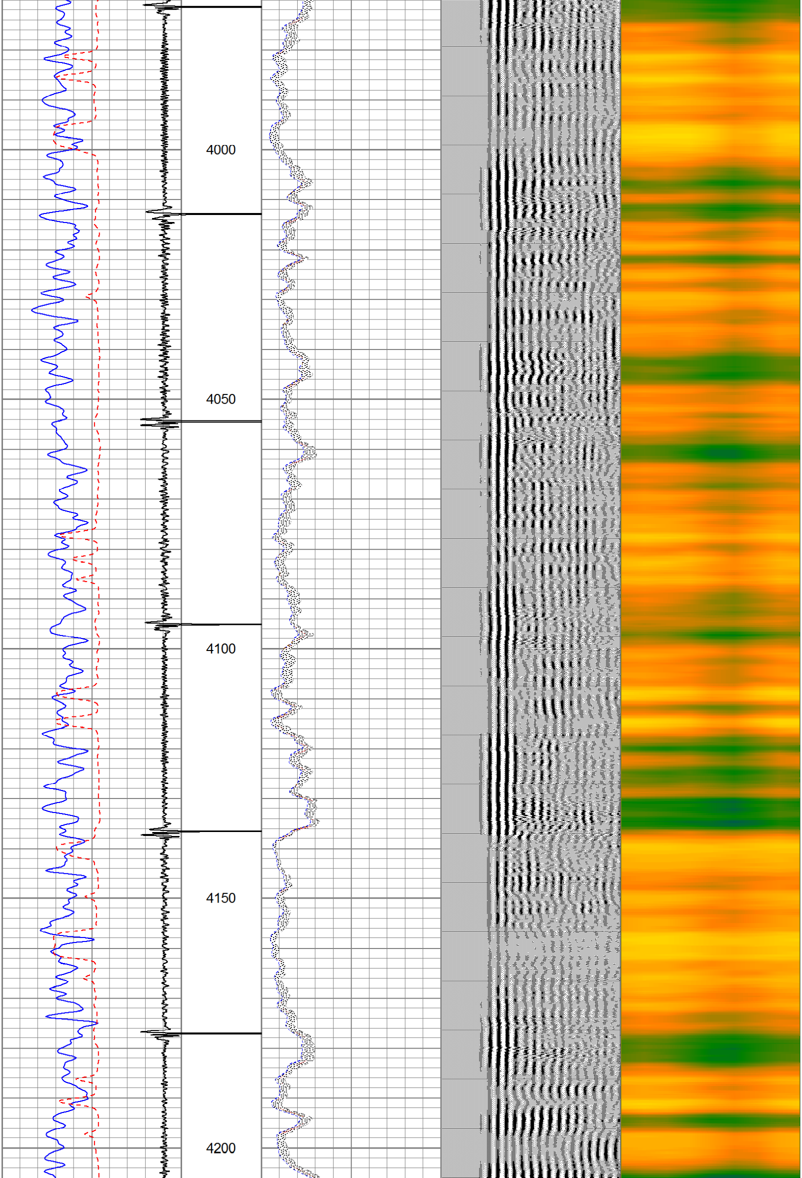
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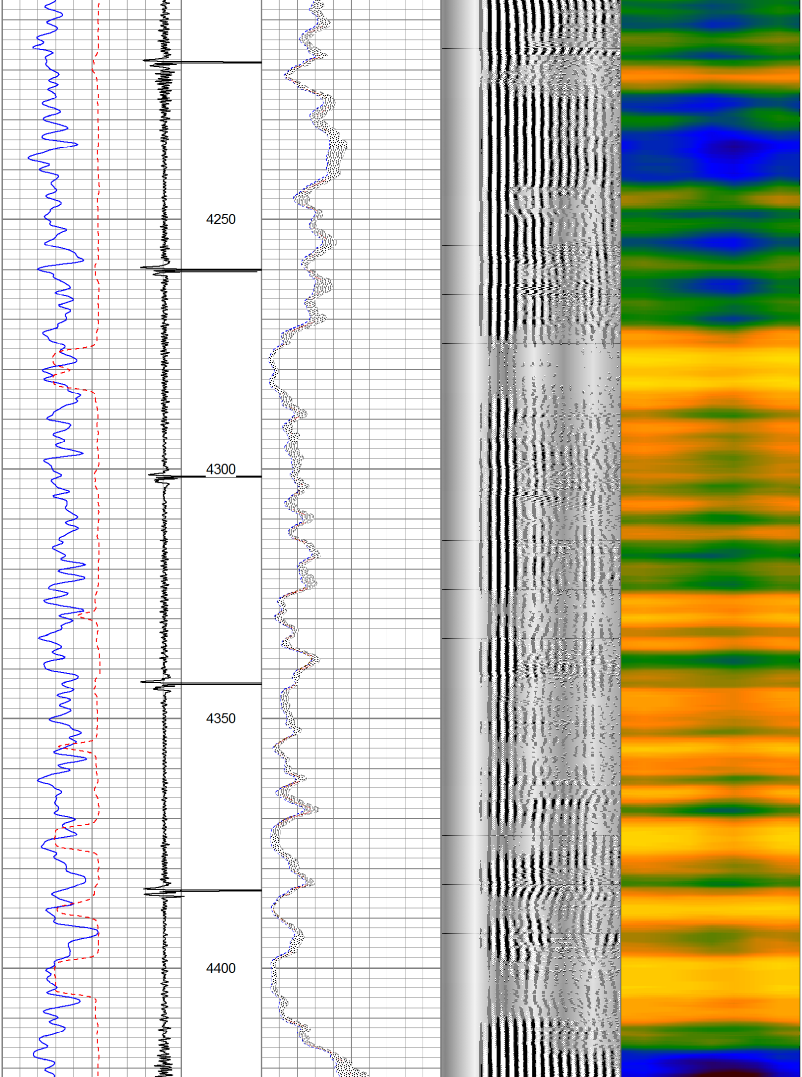
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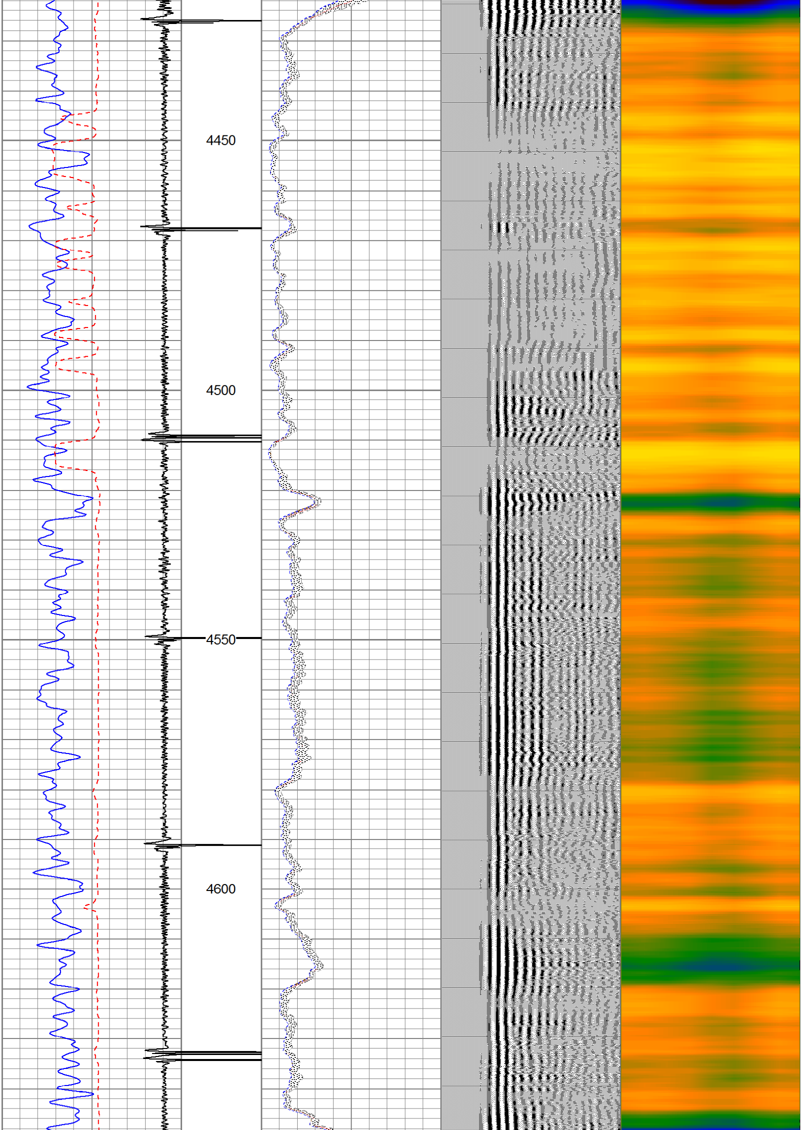
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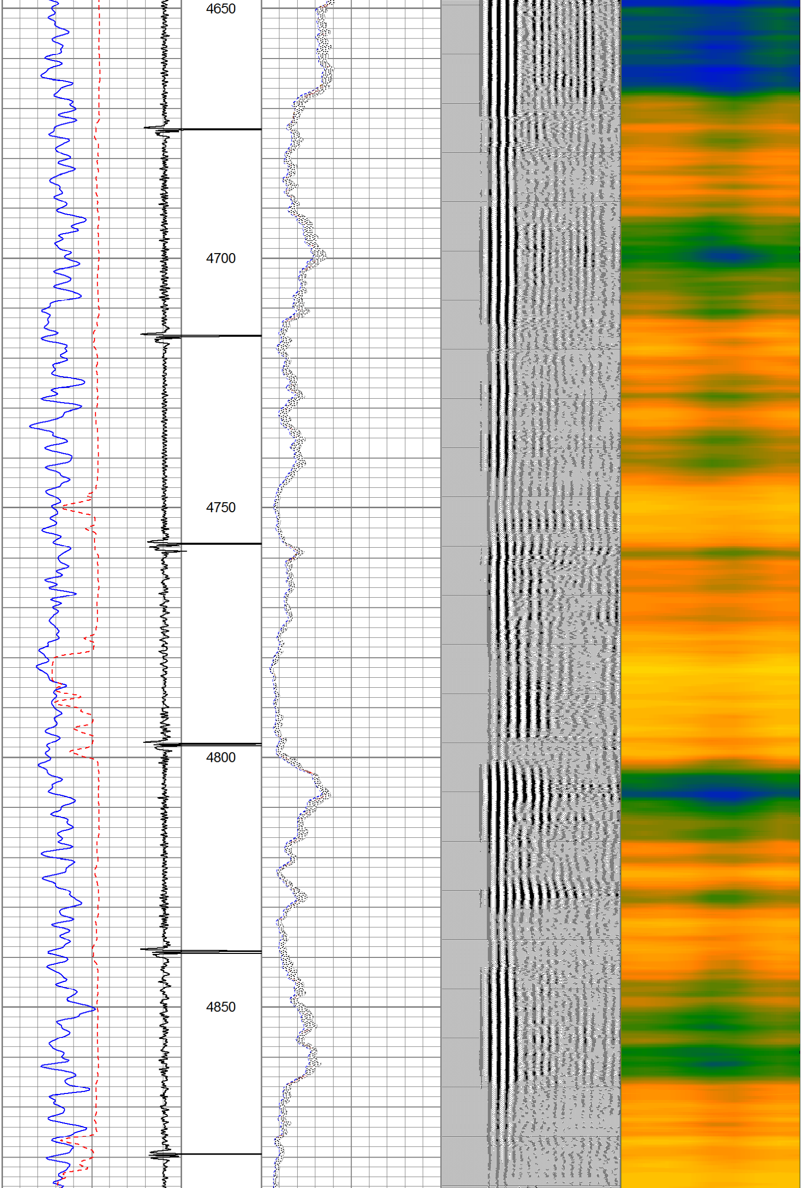
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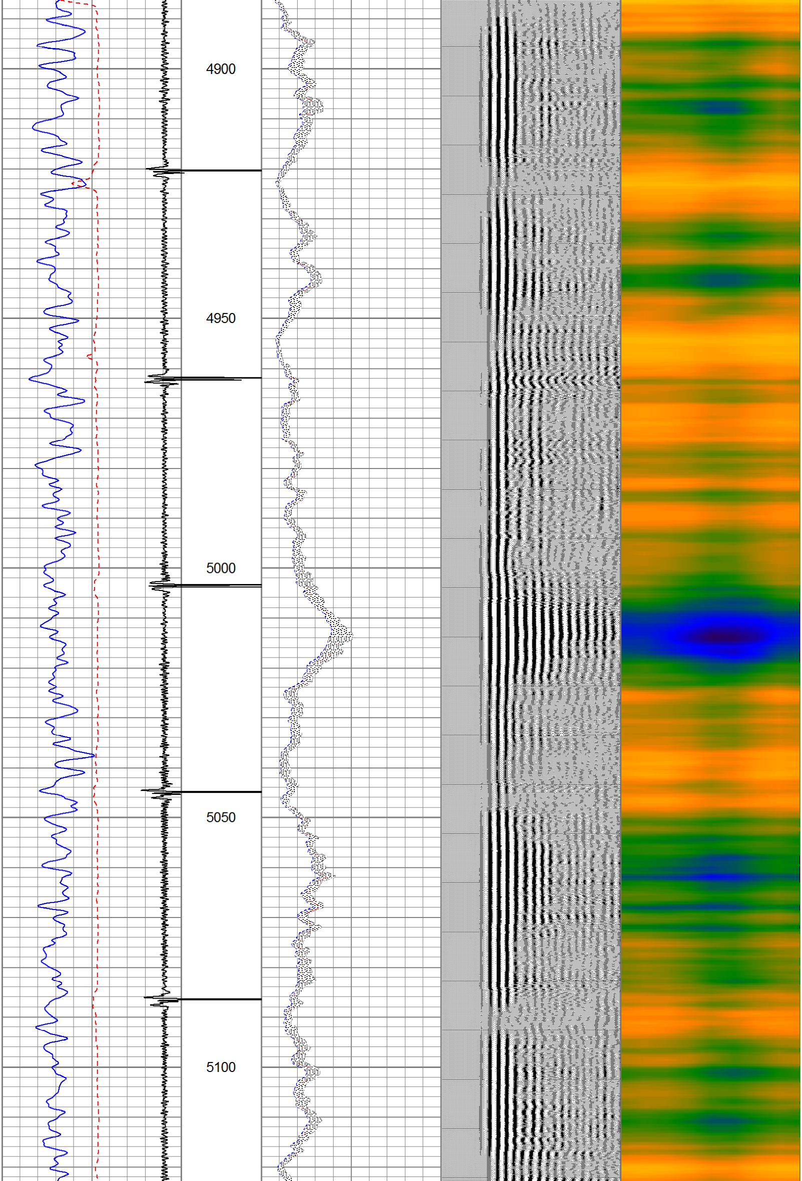
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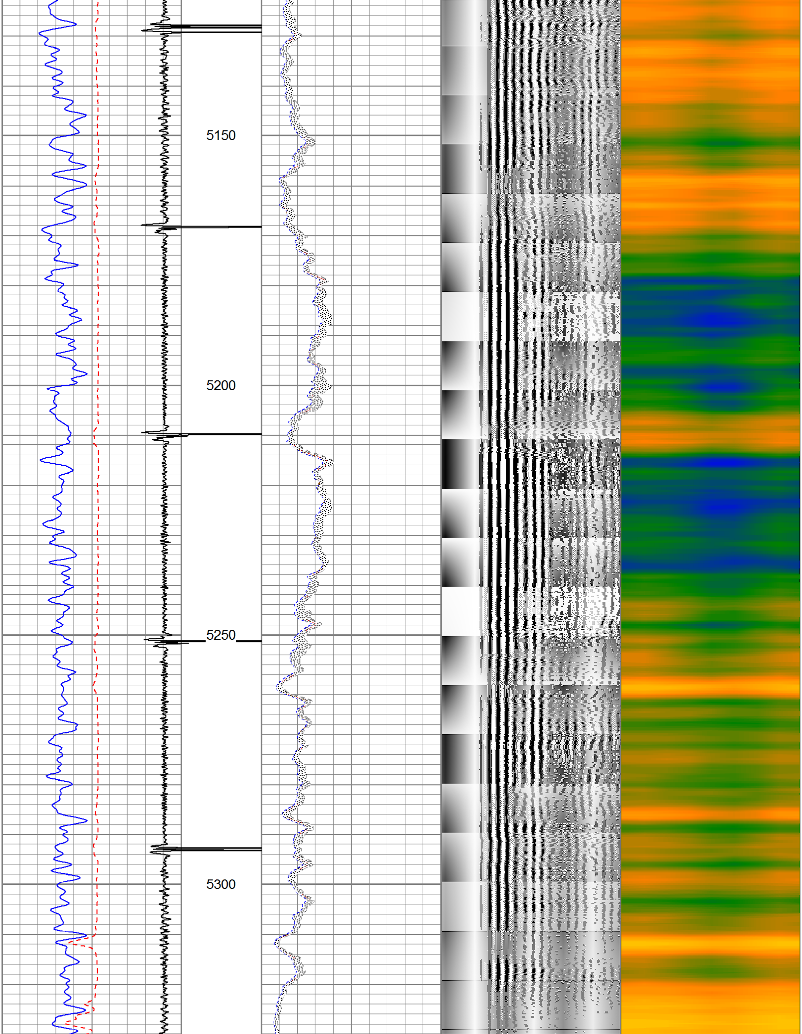
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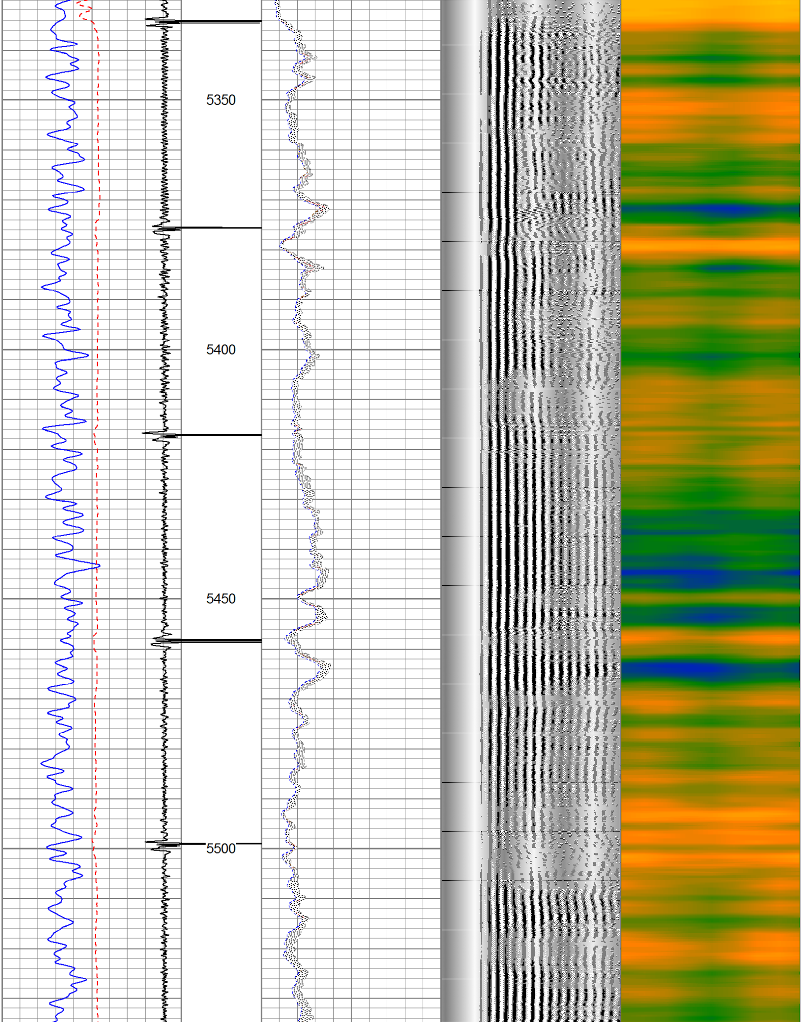
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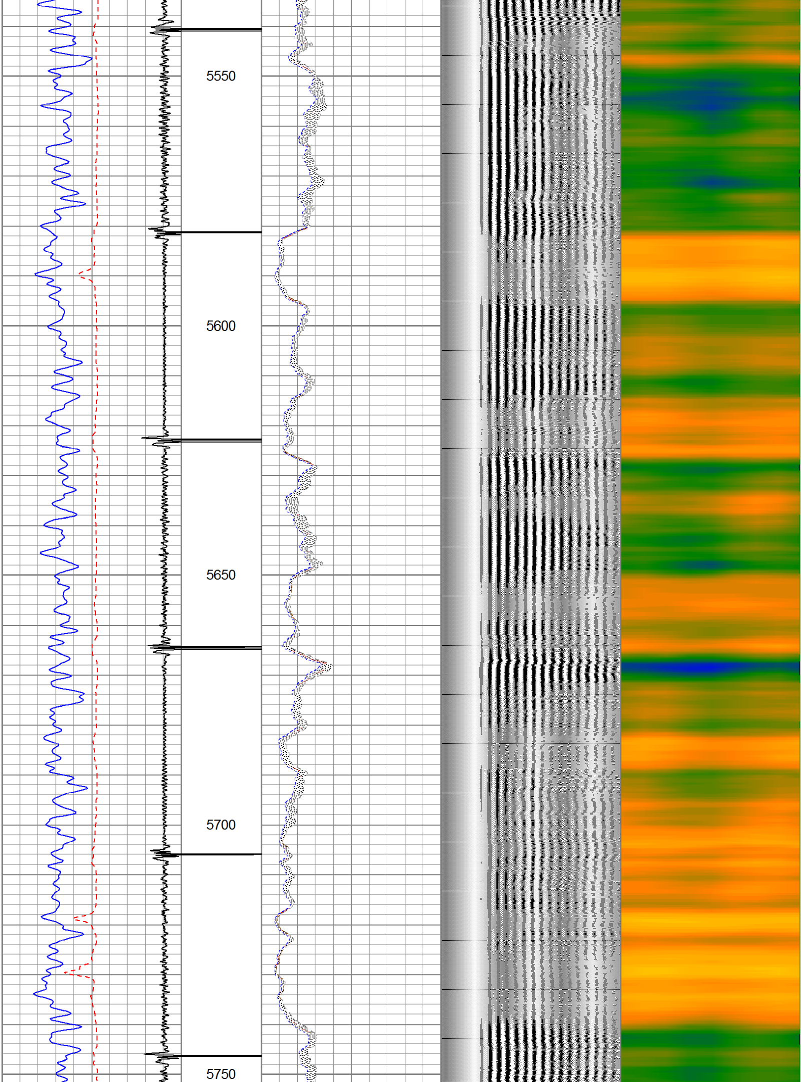
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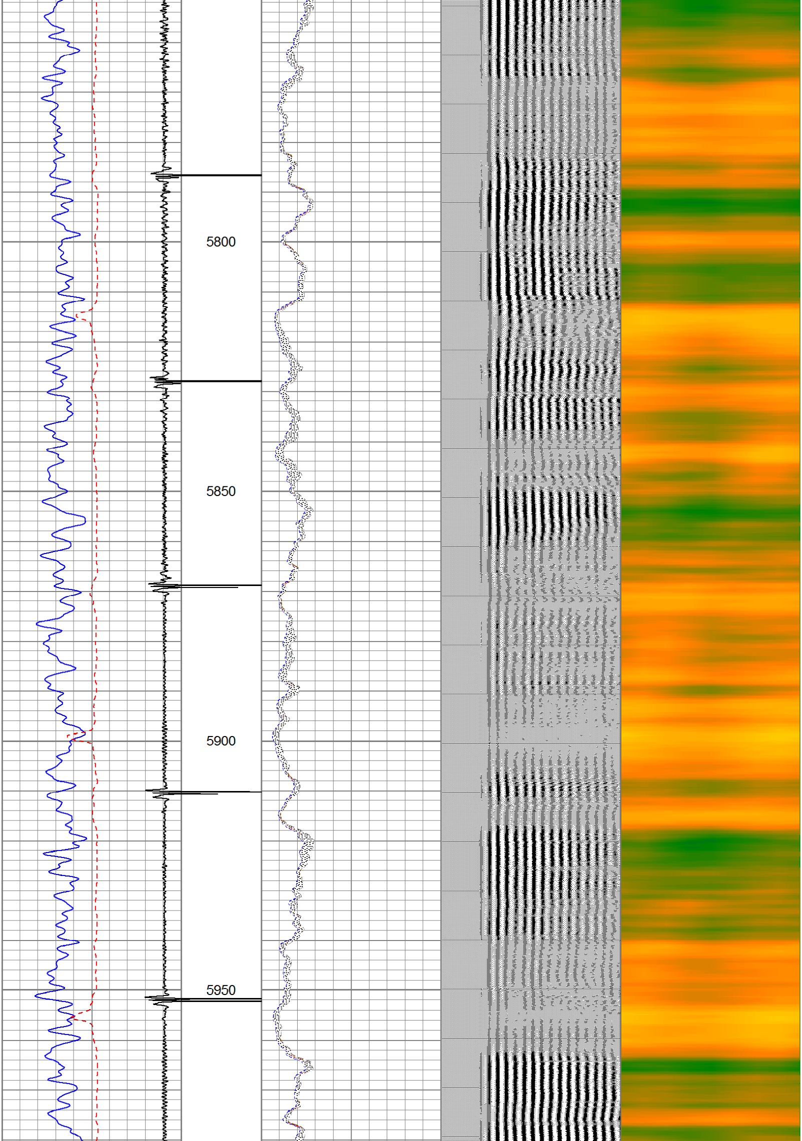
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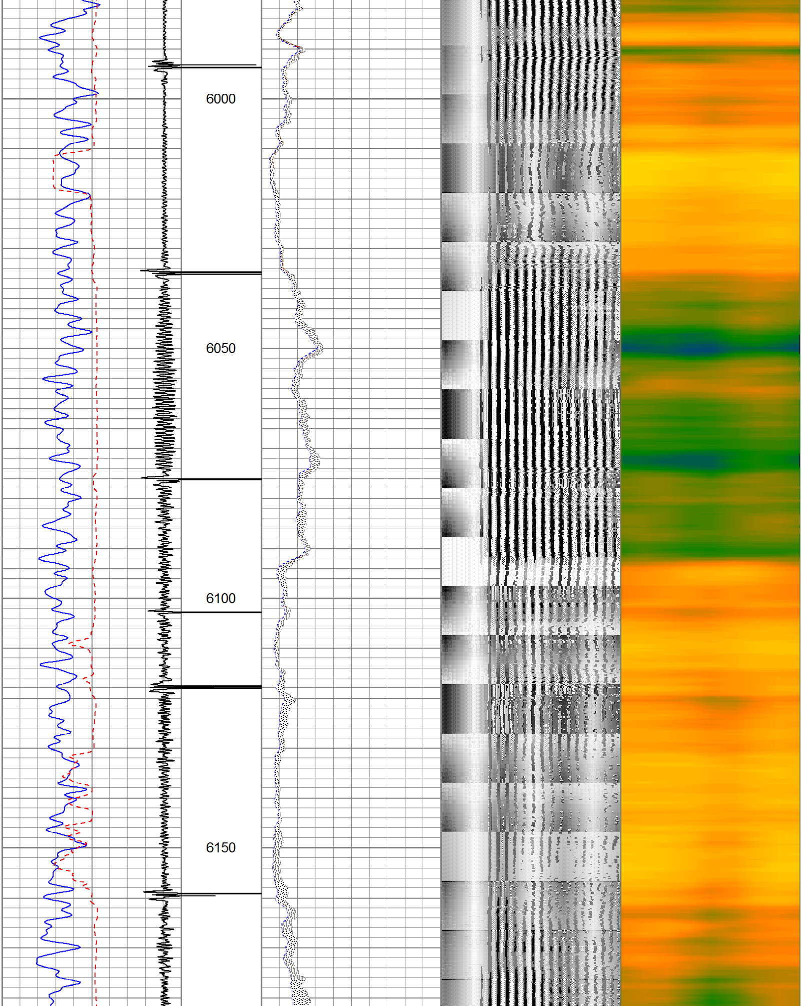
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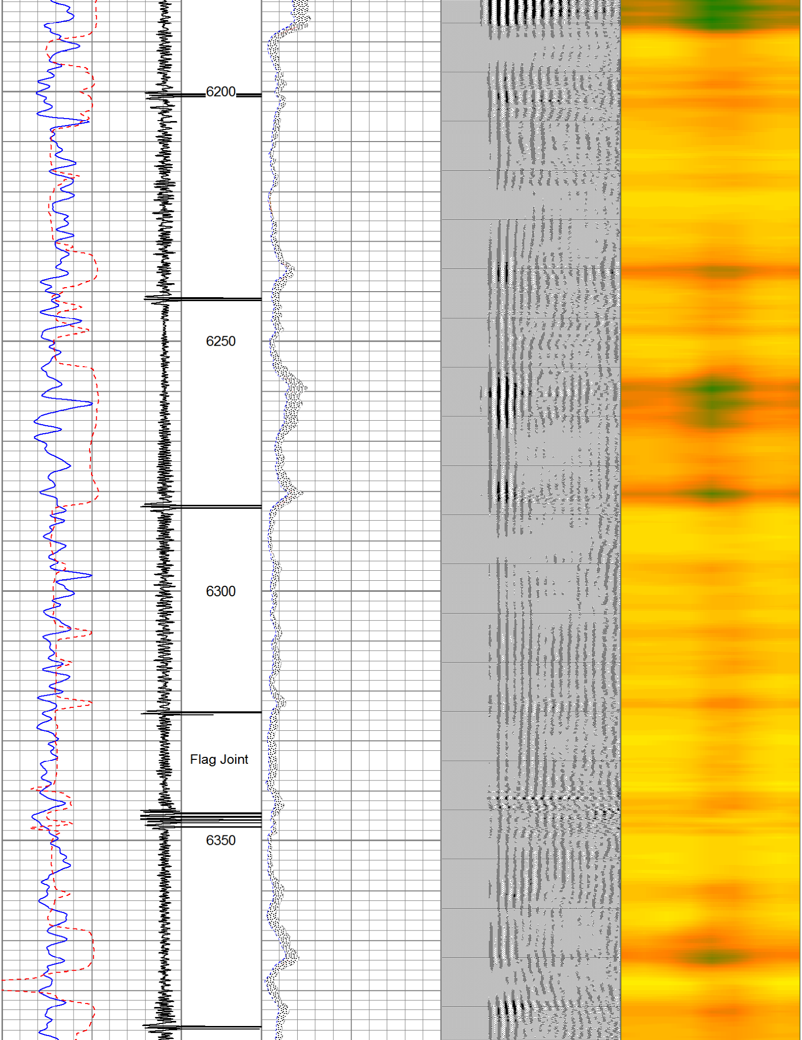
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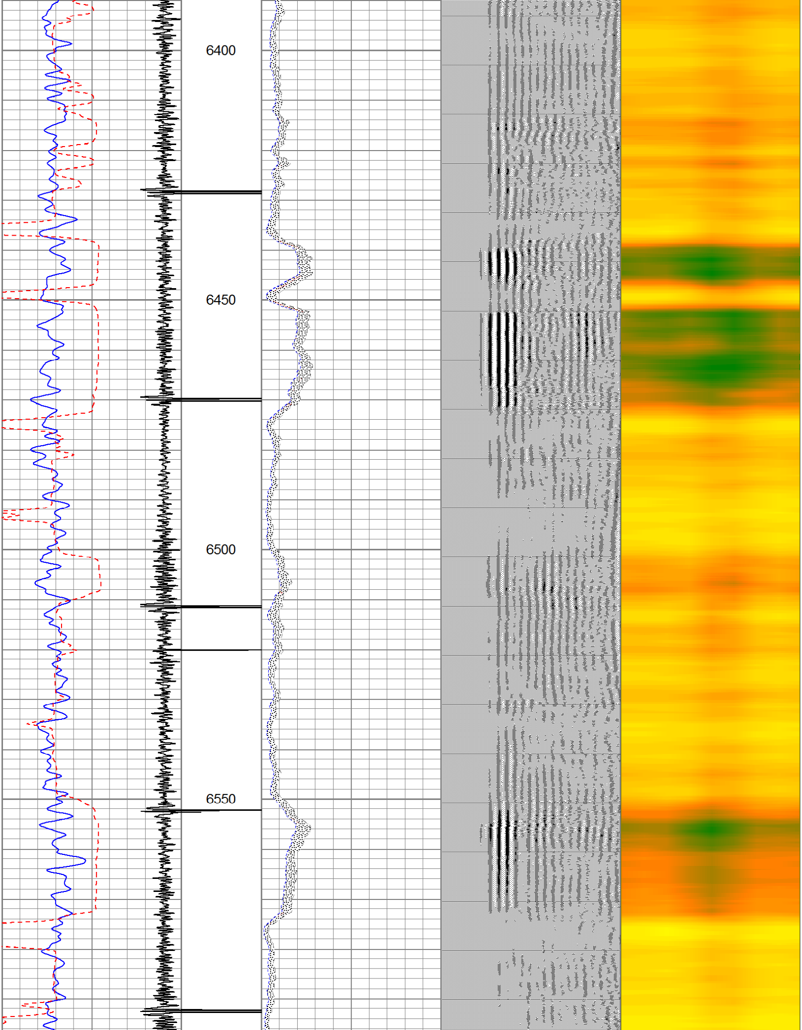
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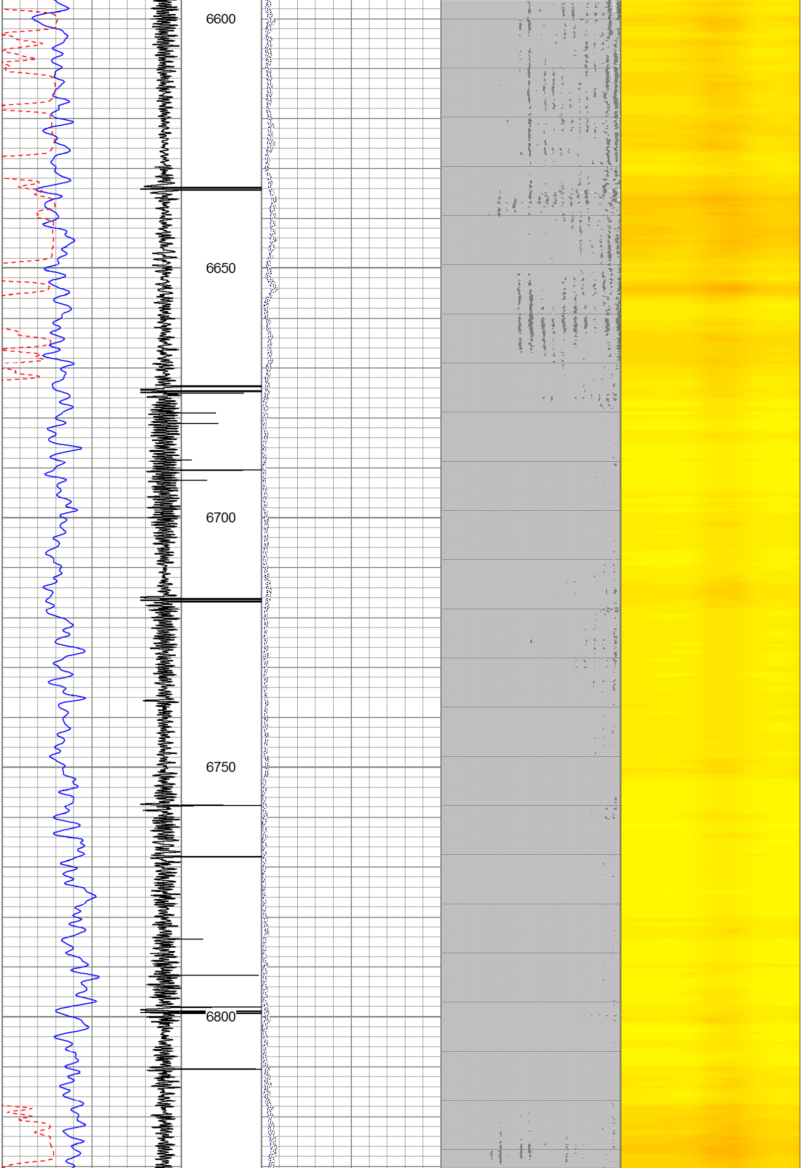
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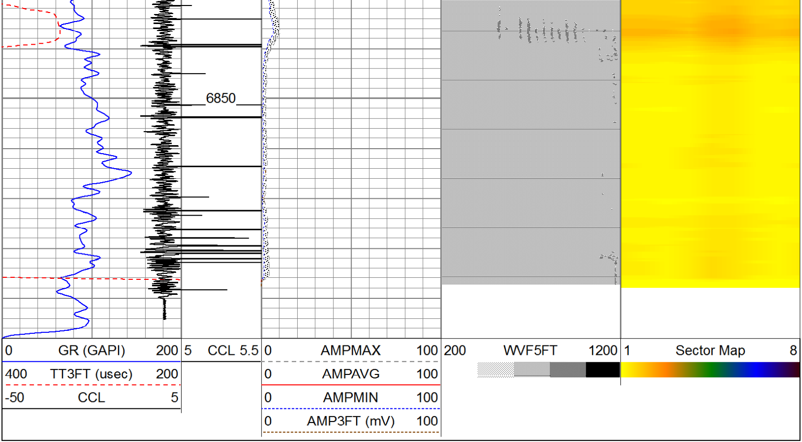
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200 WVF5FT 1200
1 Sector Map 8