PIONEER
Pioneer Energy Services

RADIAL CEMENT BOND LOG WITH GAMMA RAY/CCL/VDL

Company	ENCANA OIL AND GAS
Well	LOCHBUIE 2E-31H D165
Field	WATTENBURG
County	WELD
State	CO

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Field WATTENBURG
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Location: API # : 05123378400
SEC 31 TWP 1N RGE 65W

Other Services

Permanent Datum GROUND LEVEL Elevation
Log Measured From KELLY BUSHING
Drilling Measured From KB=30'

Elevation
K.B. 5037'
D.F. 5037'
G.L. 5007'

Date	17 JAN 14
Run Number	ONE
Depth Driller	11846'
Depth Logger	7589'
Bottom Logged Interval	7580'
Top Log Interval	SURFACE
Open Hole Size	8.75"
Type Fluid	DRILLING MUD
Density / Viscosity	10.3
Max. Recorded Temp.	NA
Estimated Cement Top	SURFACE
Time Well Ready	4:00
Time Logger on Bottom	4:50
Equipment Number	96
Location	FT MORGAN
Recorded By	A. BELGUM
Witnessed By	NATE CURLEY

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9.625"	40	SURFACE	1320'
Prot. String				
Production String	7"	26	SURFACE	7622'
Liner				

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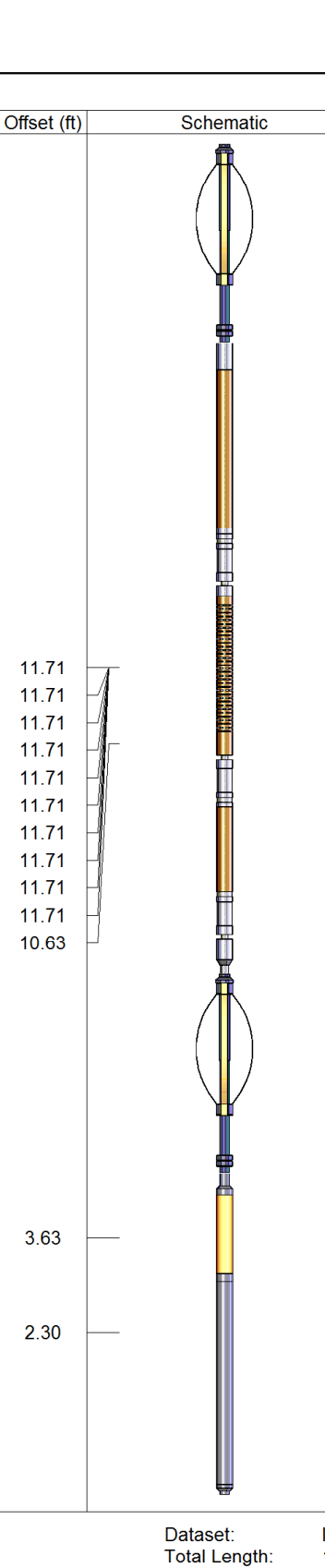
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			PTS275	2.83	2.75	
WVF3FT WVFCAL WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 WVF5FT	11.71 11.71 11.71 11.71 11.71 11.71 11.71 11.71 11.71 11.71 10.63		RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
			PTS275	2.83	2.75	
CCL	3.63					
GR	2.30		GR_CCL-Probe (111211) Probe Gamma CCL	4.54	2.75	100.00

Dataset: lochbuie_2e-31h-d165.db: field/well/run1/pass4
Total Length: 19.13 ft
Total Weight: 190.00 lb
O.D. 2.75 in

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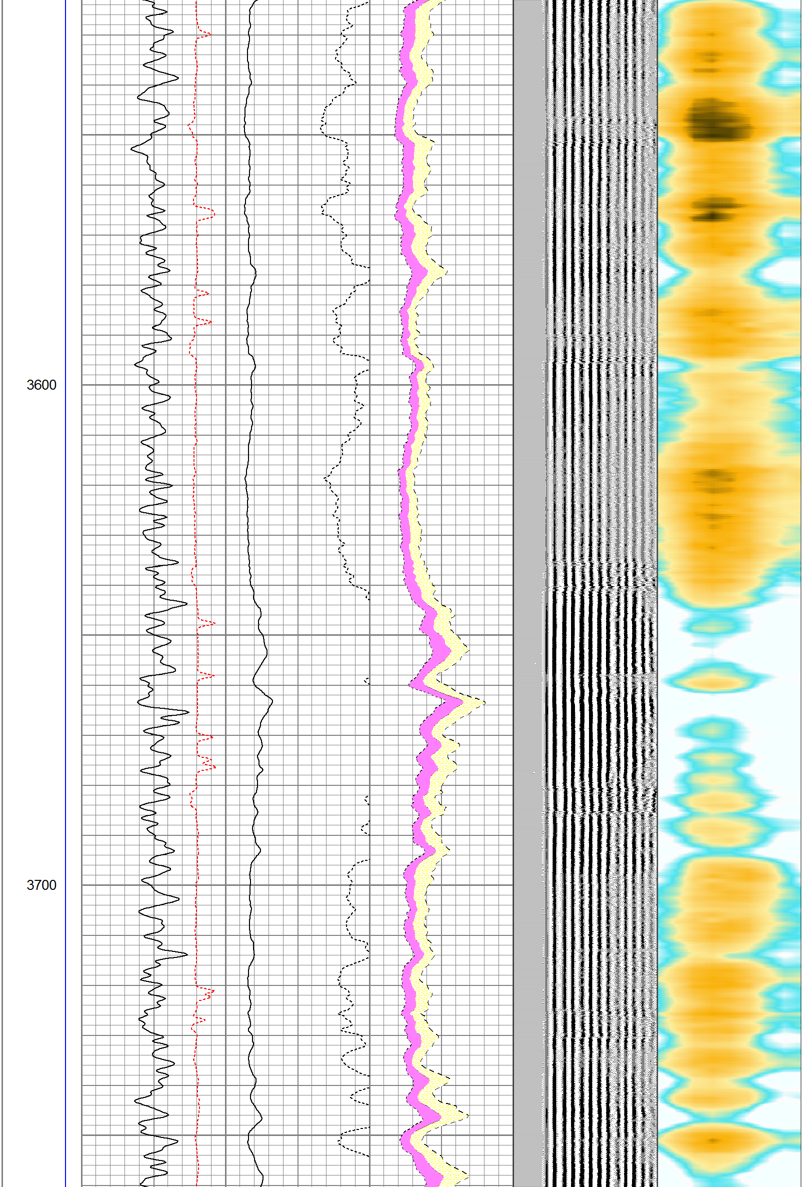
MAIN PASS

LOGGED WITH 0 PSI APPLIED AT SURFACE

Database File: lochbuie_2e-31h-d165.db
Dataset Pathname: pass4.1
Presentation Format: scbl02
Dataset Creation: Fri Jan 17 06:20:11 2014 by Calc SCH 120430
Charted by: Depth in Feet scaled 1:240

-4 CCL 1	0 GR (GAPI) 200	0 AMP (mV) 100	0 AMPAVG 150	200 VDL 1200	1 SECTOR MAP 8
	TT3FT	0 AMPx5 (mV) 20	0 AMPMAX 150		25 75
	362 (usec) 262		0 AMPMIN 150		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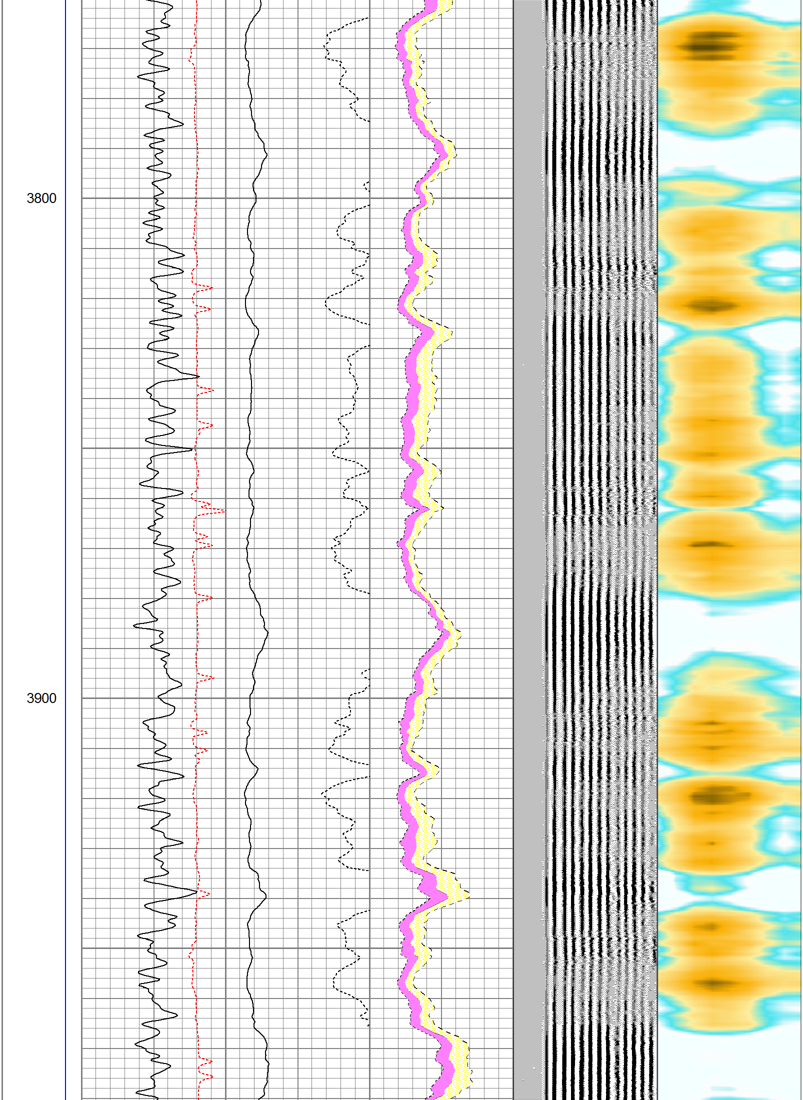
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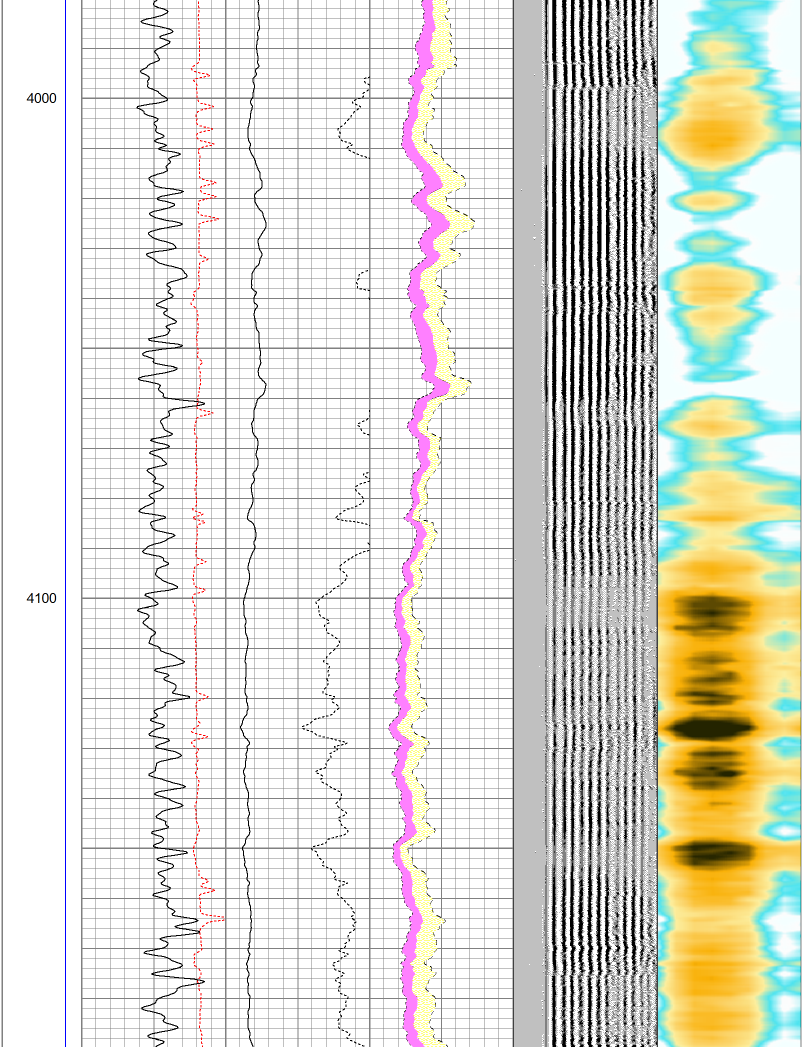
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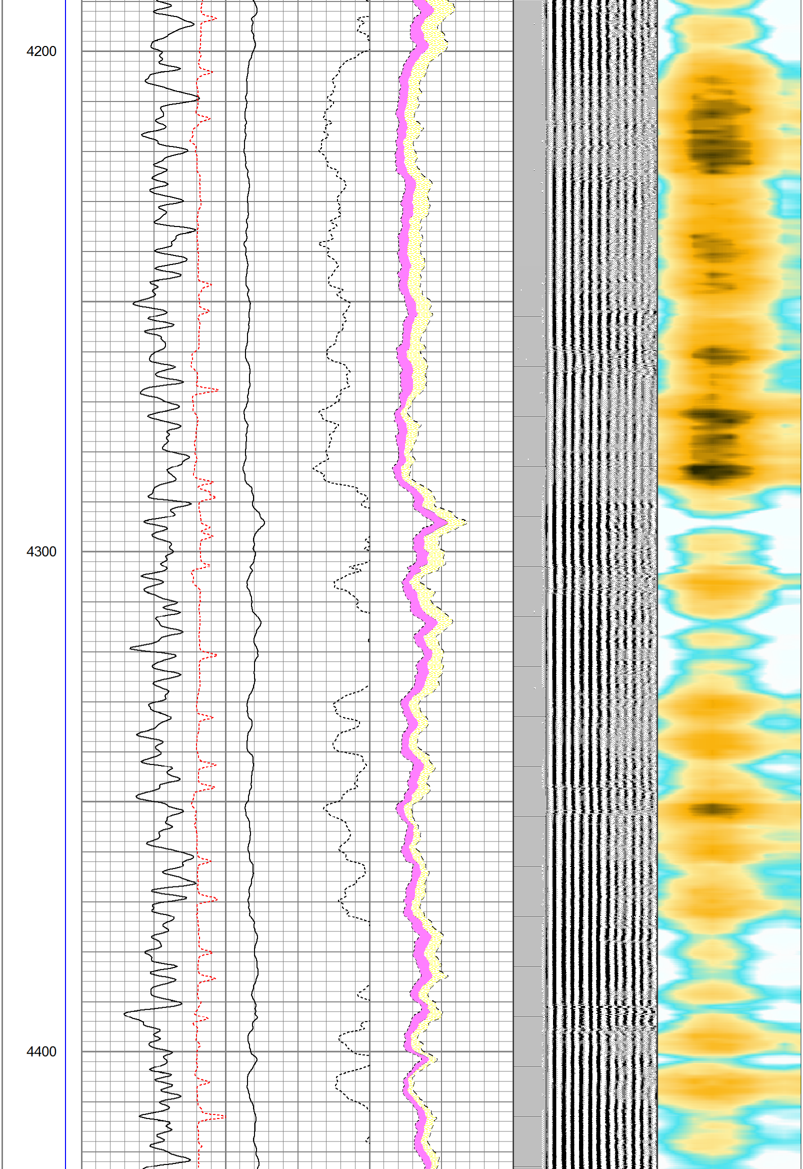
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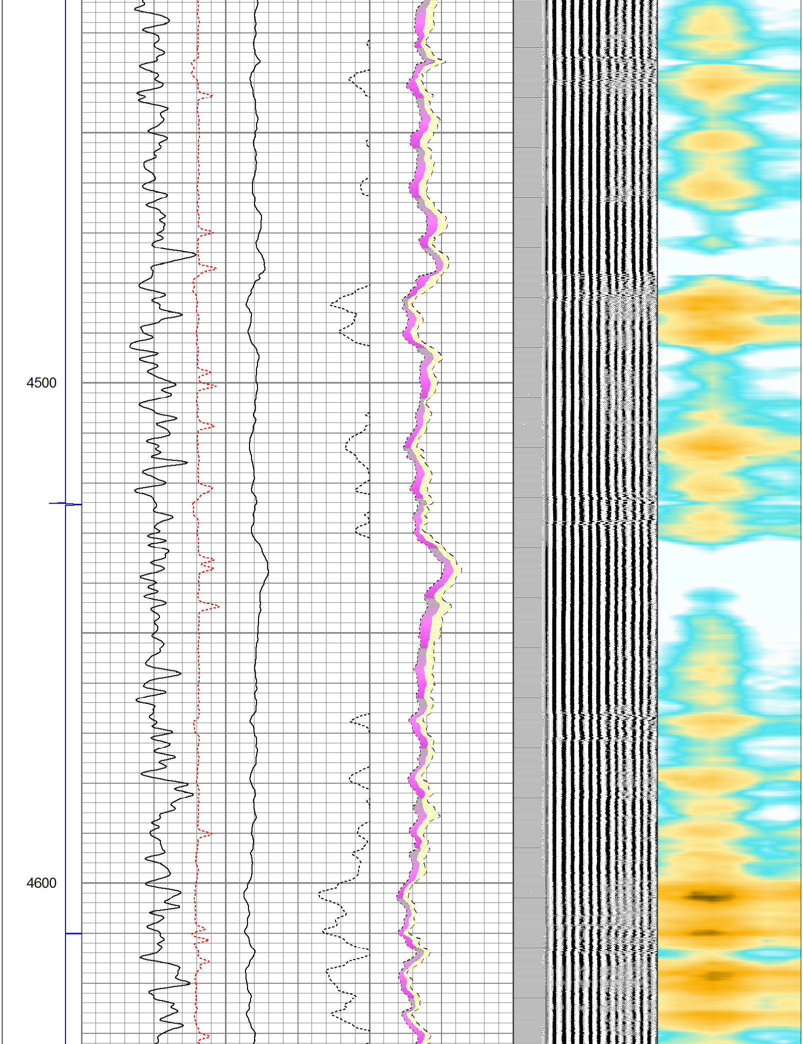
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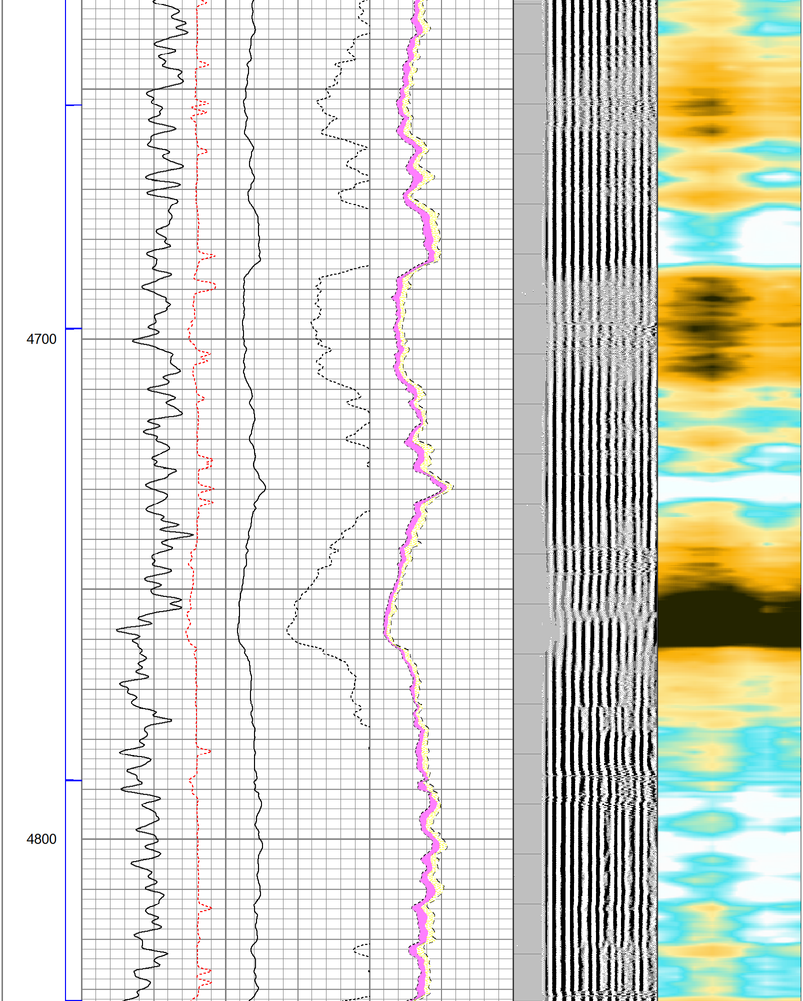
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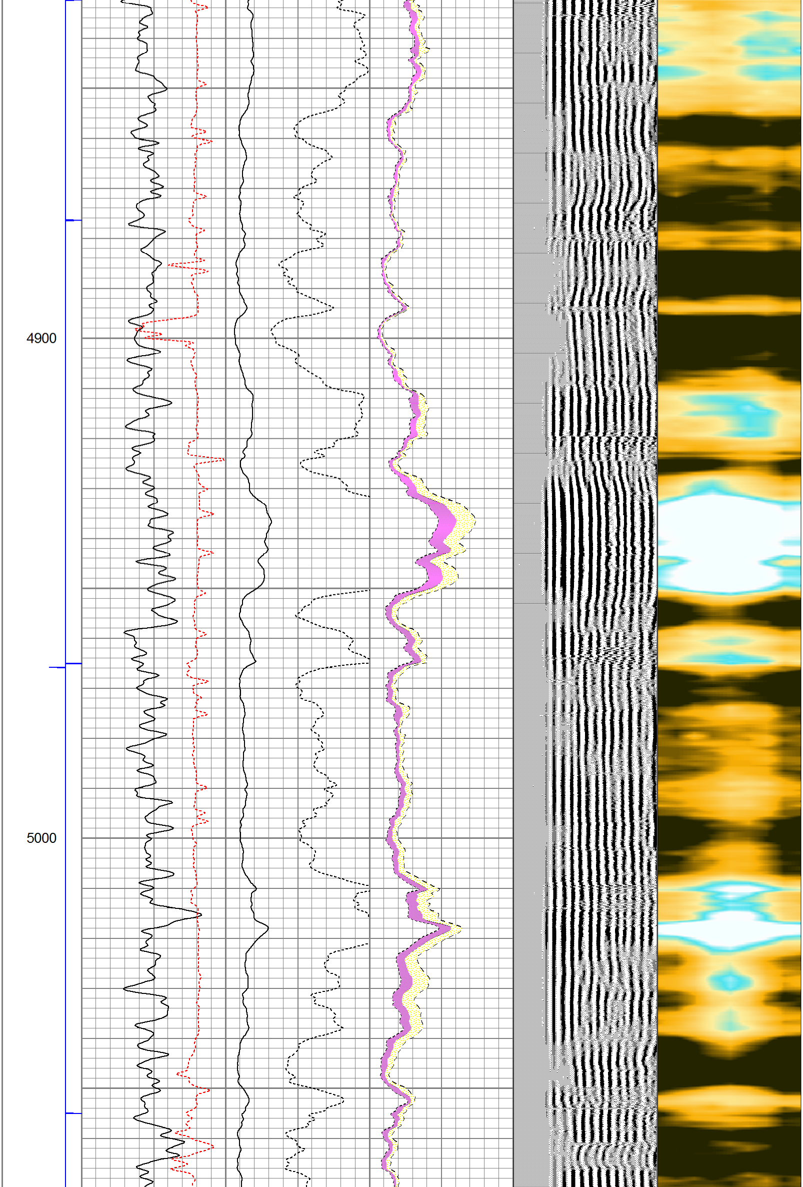
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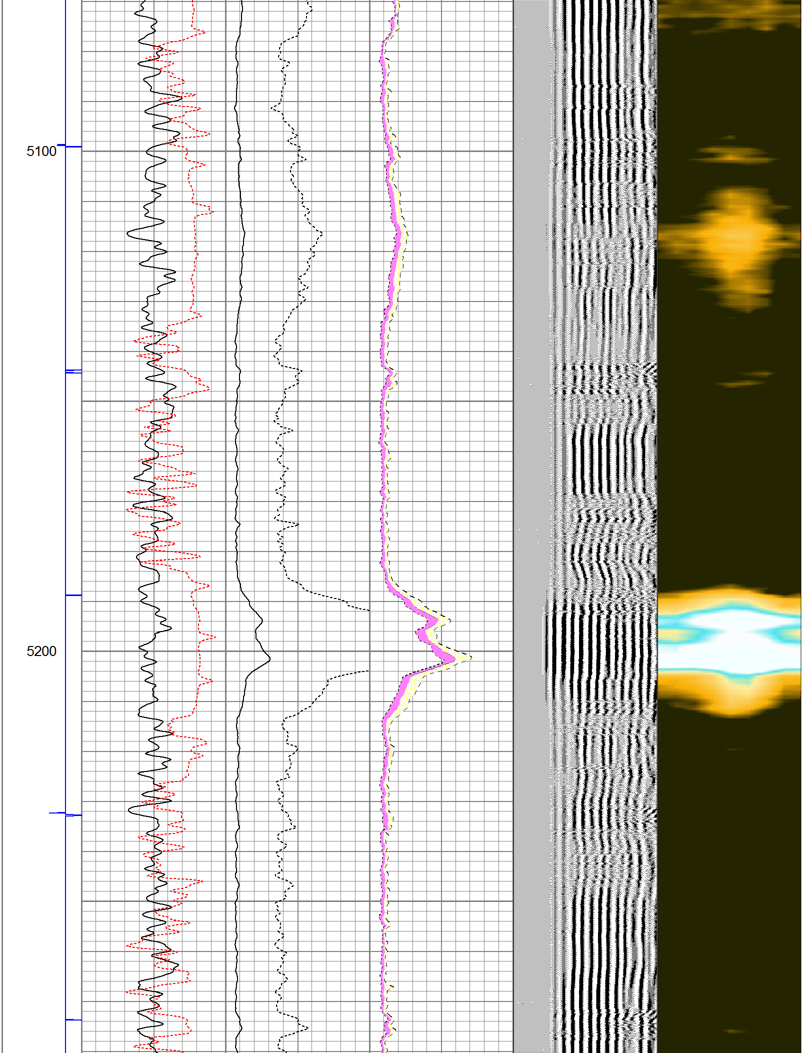
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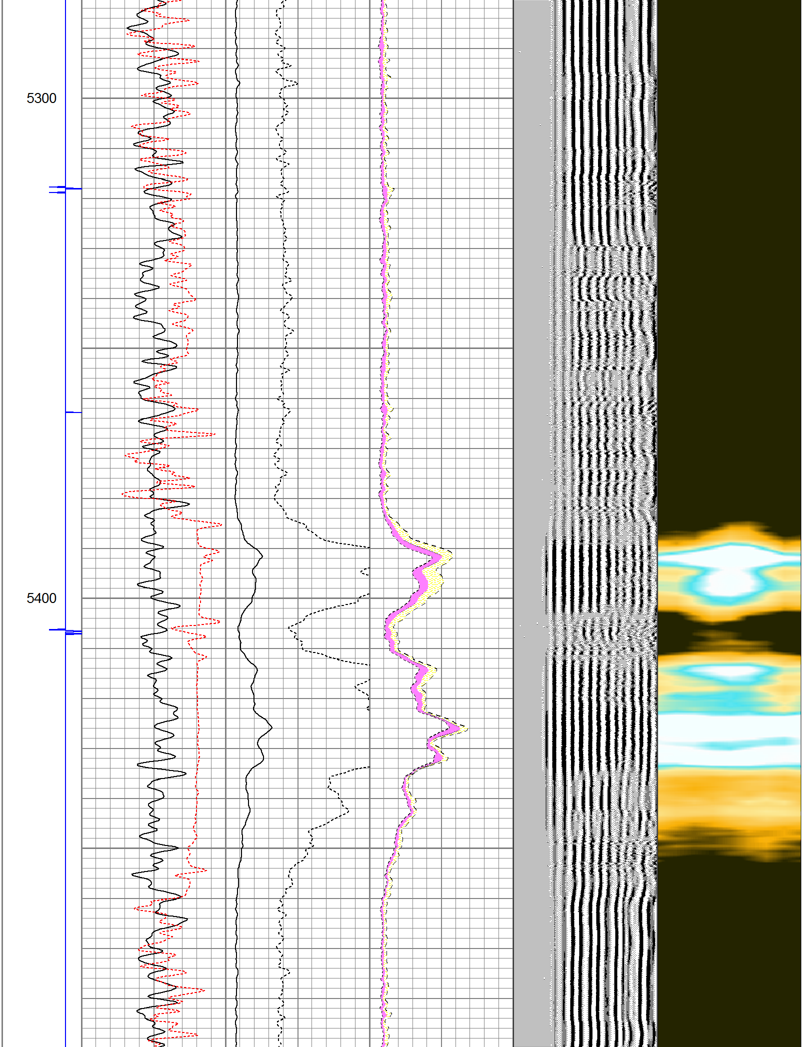
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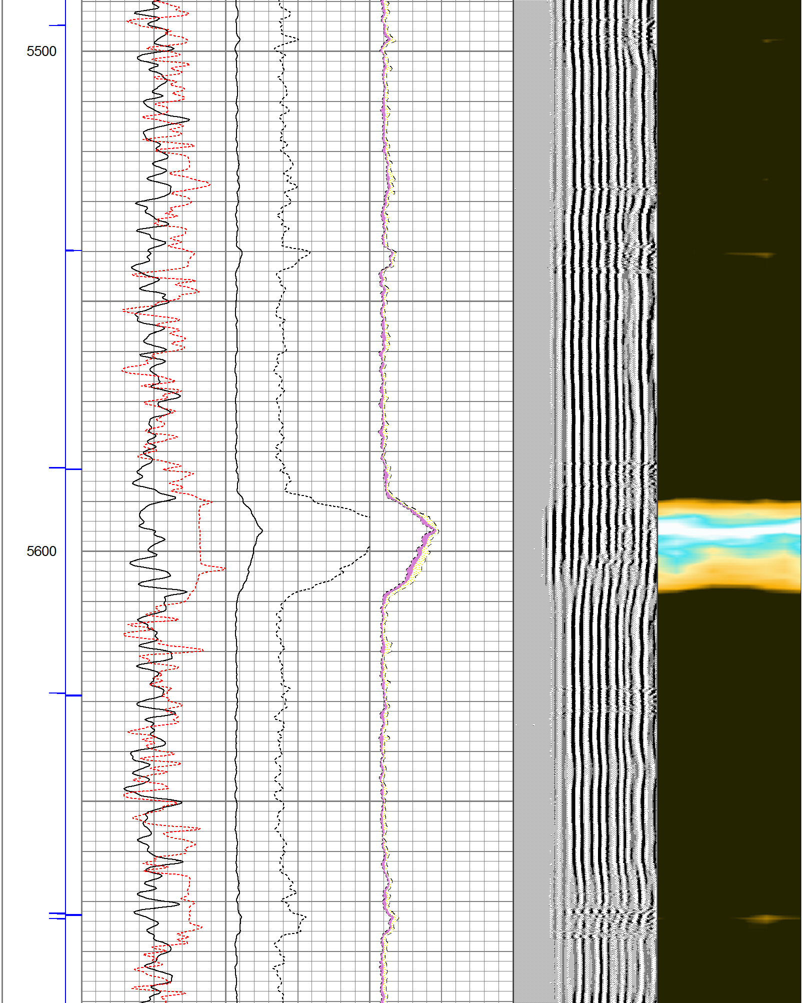
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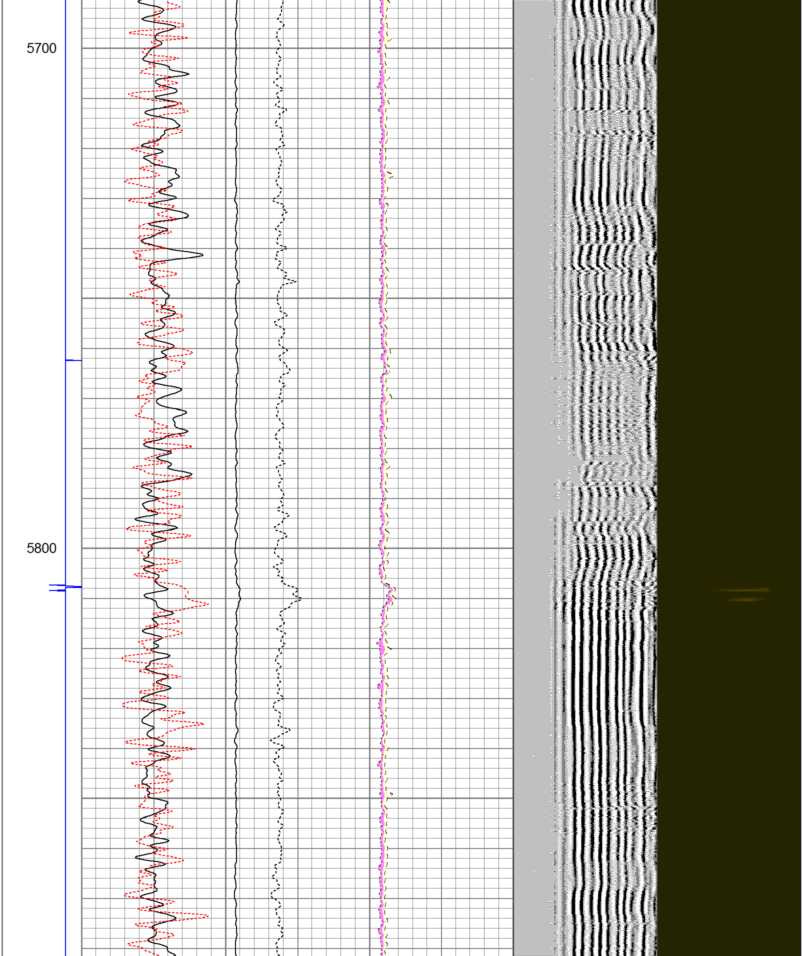
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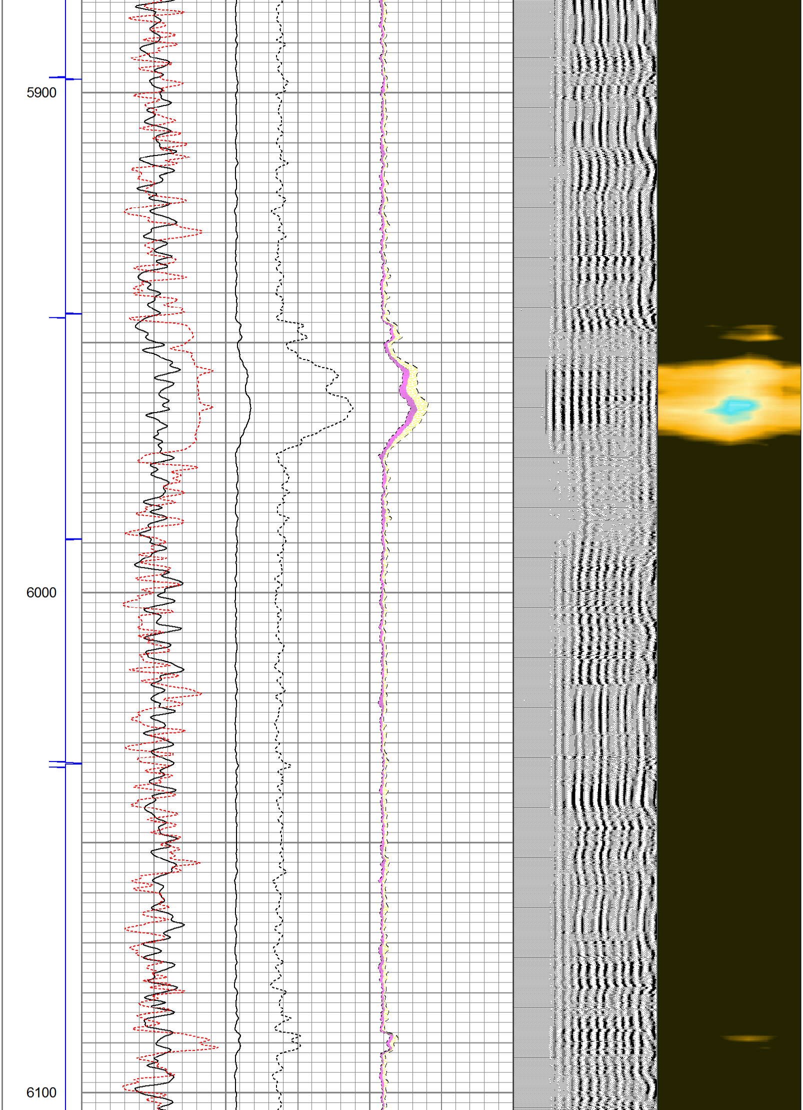
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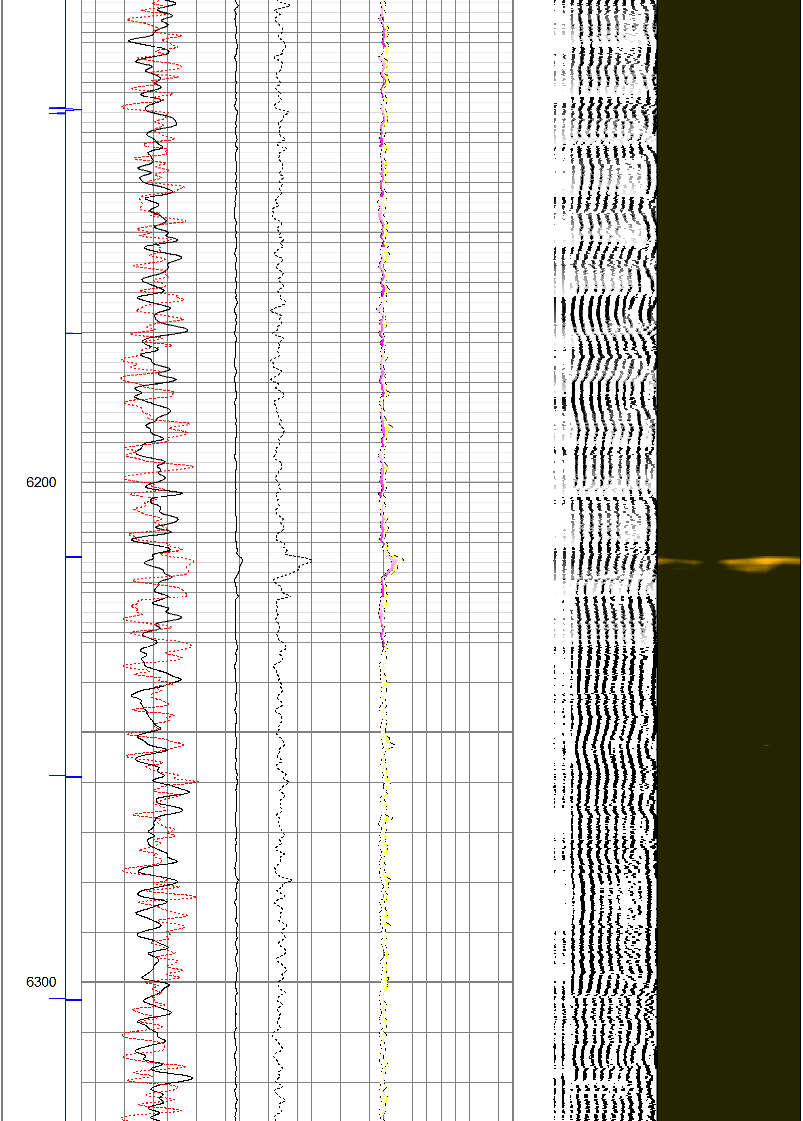
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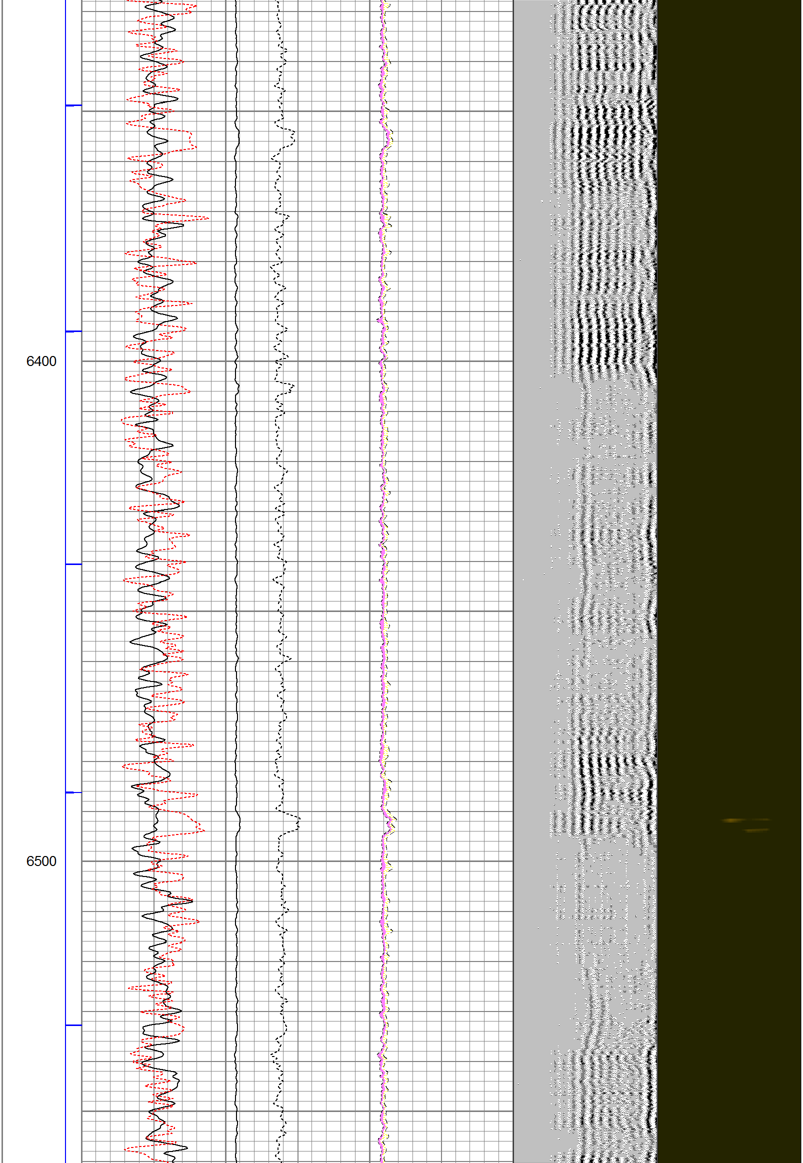
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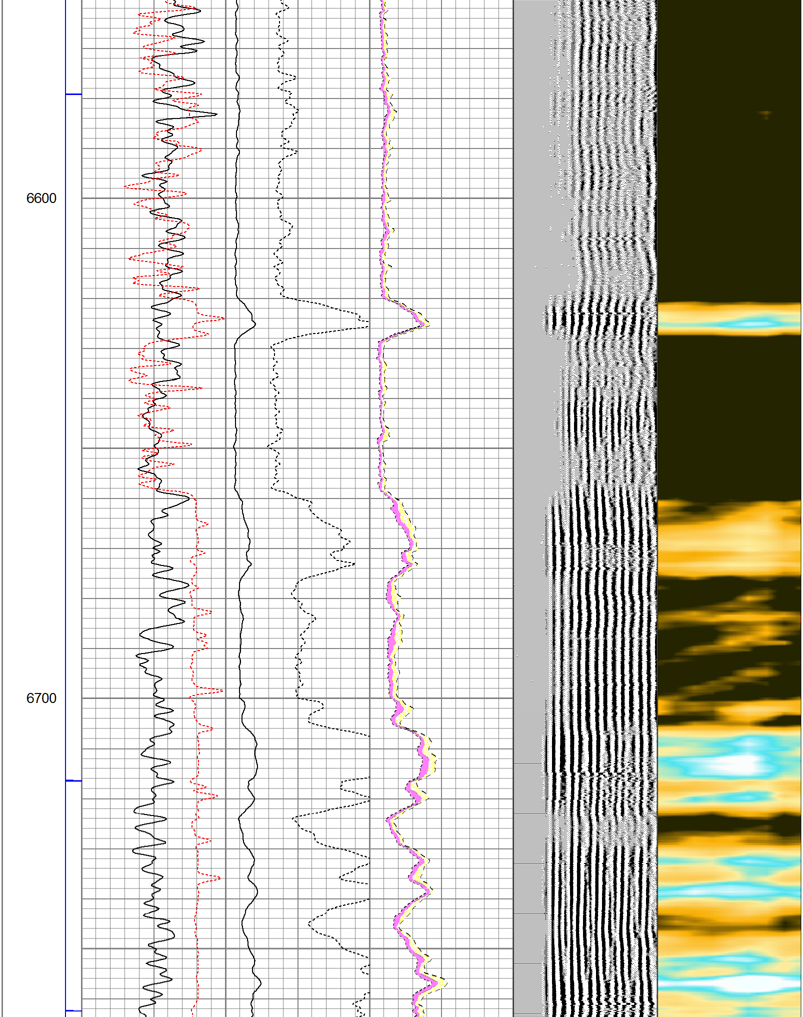
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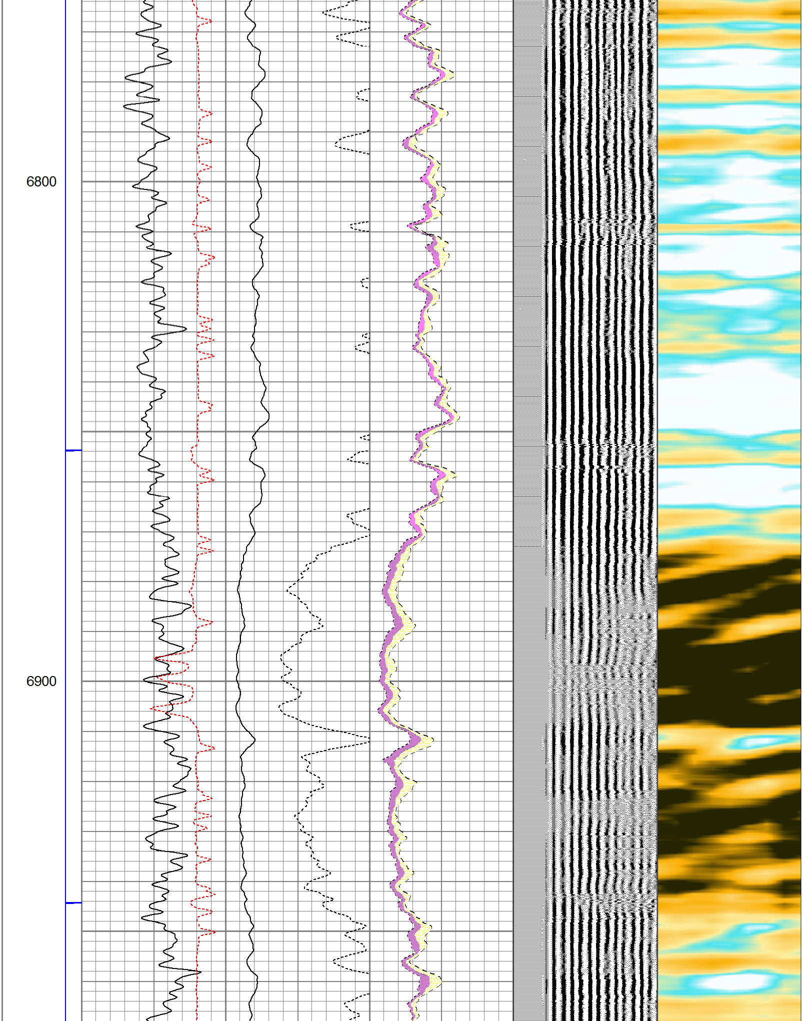
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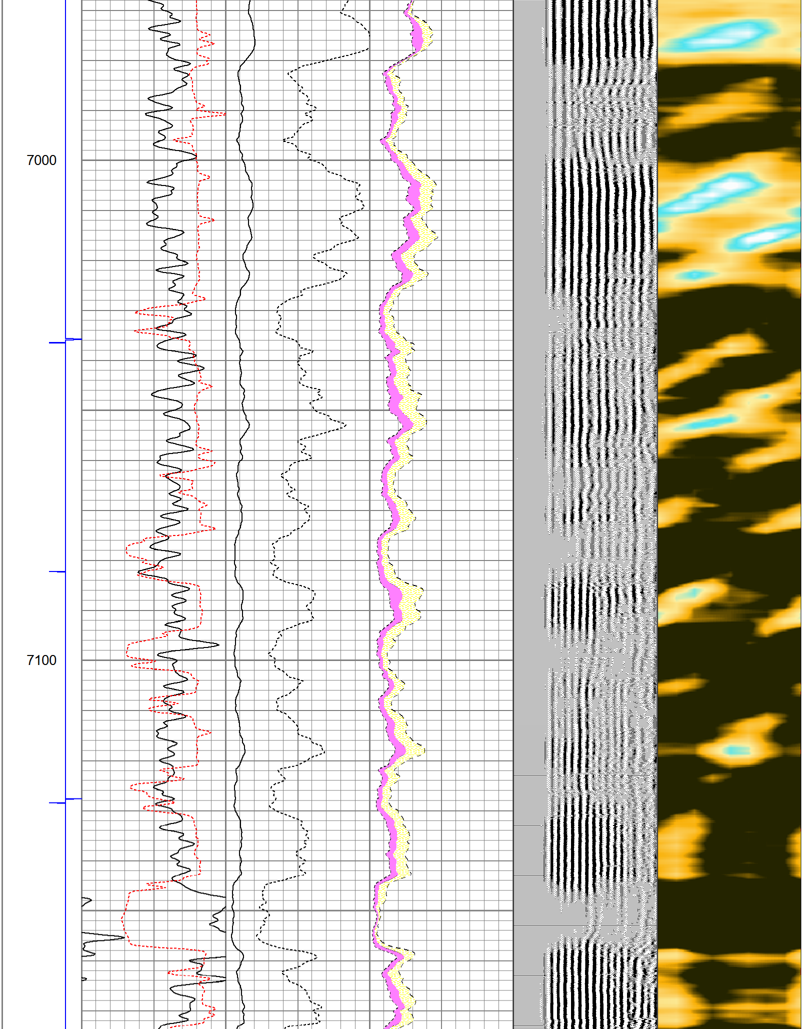
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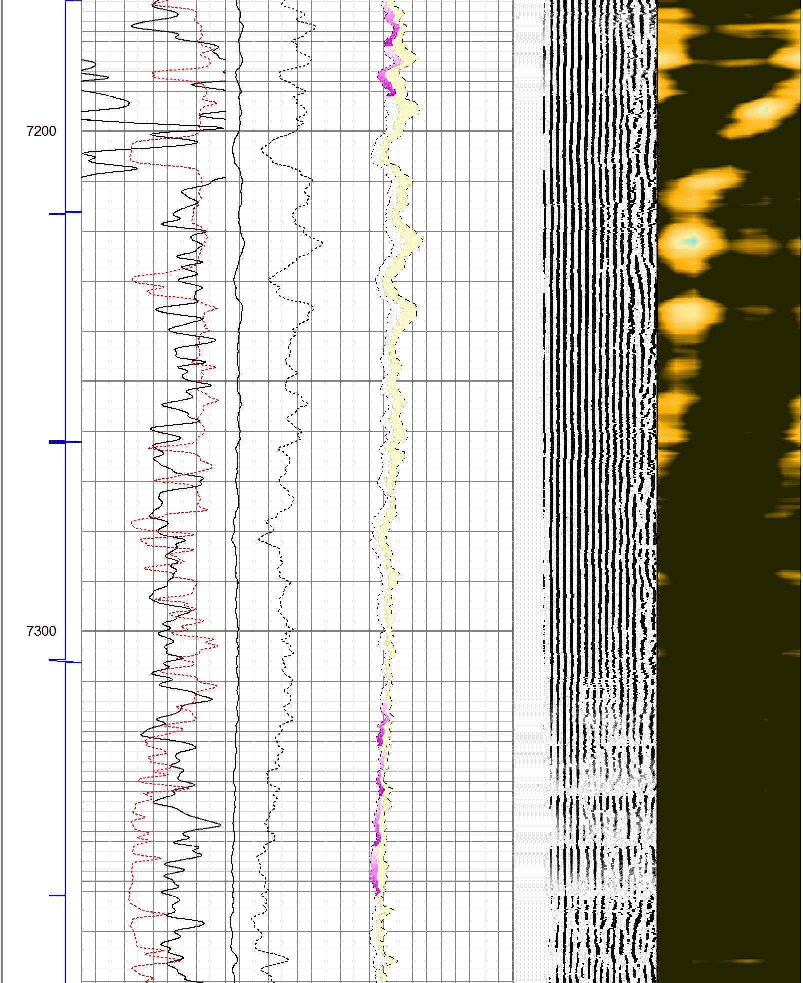
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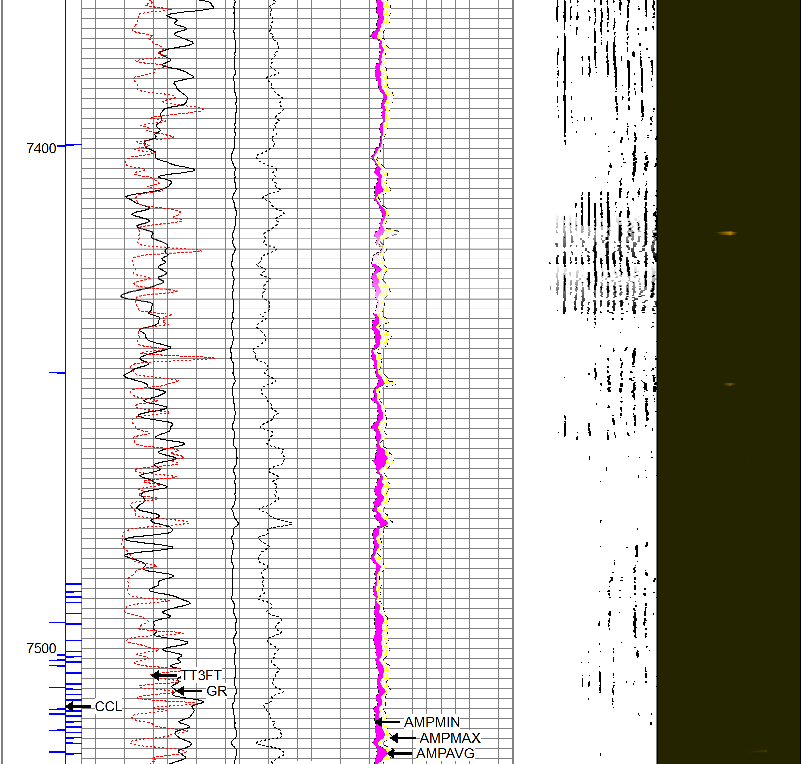
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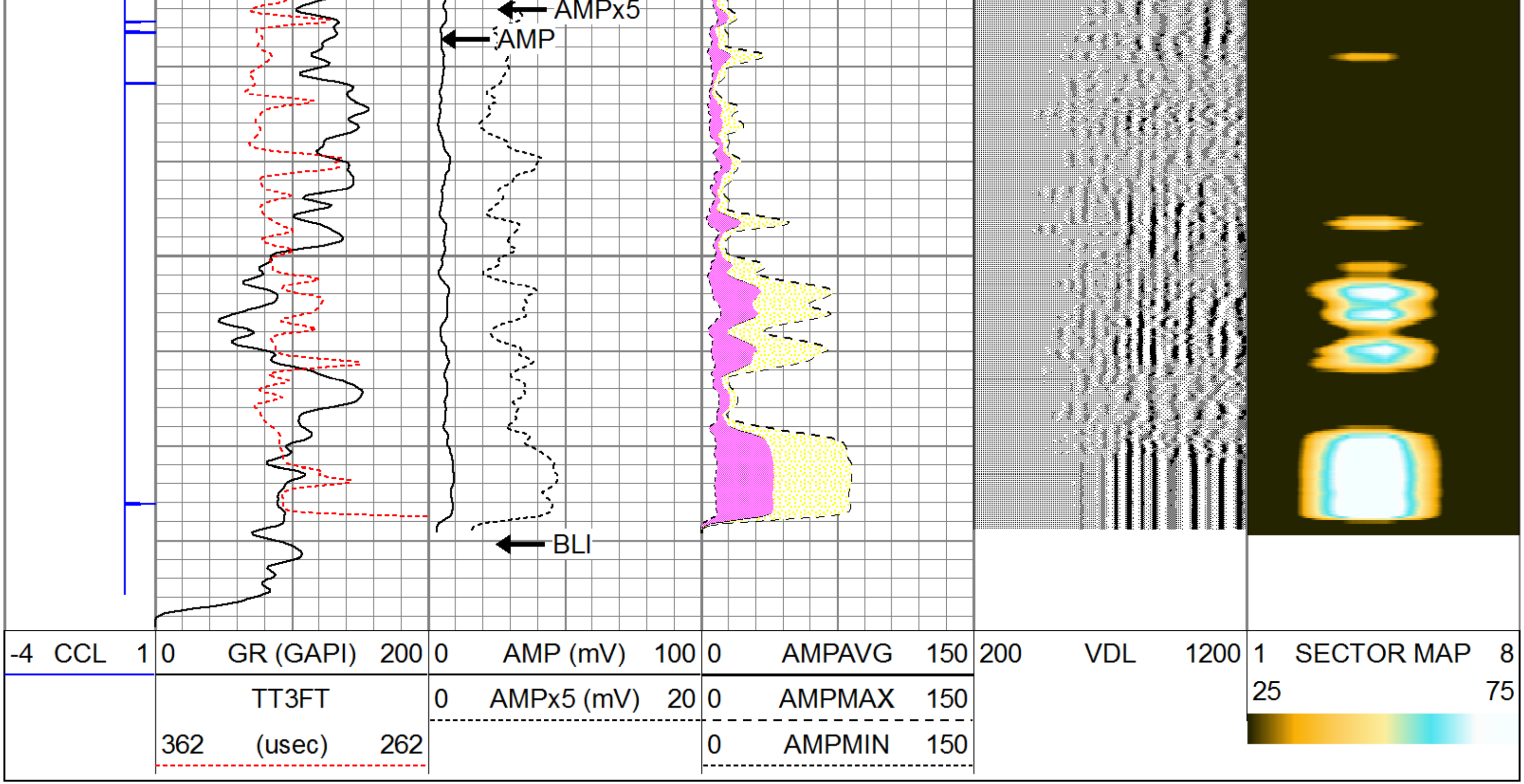

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