PIONEER

Pioneer Energy Services

RADIAL CEMENT BOND GAMMA RAY CCL

Company	ENCANA OIL & GAS (USA) INC
Well	DEVORE 1A-34H
Field	WATTENBERG
County	WELD
State	COLORADO

Company ENCANA OIL & GAS (USA) INC

Well DEVORE 1A-34H

Field WATTENBERG

County WELD State COLORADO

Location: API #: 05-123-37231

230' FNL & 1368' FEL

NENE

SEC 34 TWP 3N RGE 66W

Other Services

NONE

Permanent Datum	GL	Elevation	4961
Log Measured From	KB		
Drilling Measured From	KB		

Elevation

K.B. 4989.5

D.F. 4989.5

G.L. 4961

Date	26-OCT-2013
Run Number	ONE
Depth Driller	11977
Depth Logger	7649
Bottom Logged Interval	7649
Top Log Interval	SURFACE
Open Hole Size	8-3/4"
Type Fluid	WBM
Density / Viscosity	11.2 / 43
Max. Recorded Temp.	N/A
Estimated Cement Top	896
Time Well Ready	00:45
Time Logger on Bottom	01:45
Equipment Number	75
Location	FORT MORGAN
Recorded By	LEROY HOBBS SHAUN SCHUMAN
Witnessed By	MR. CHRIS CLEMONS

Borehole Record

Run Number	Bit	From	To

Tubing Record

Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9-5/8"	36#	SURFACE	1035
Prot. String				
Production String	7"	26#	SURFACE	7881
Liner				

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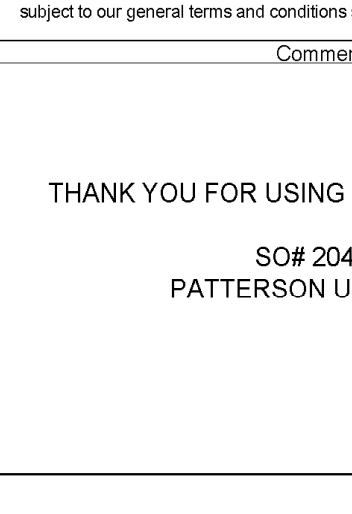
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

SO# 204671
PATTERSON UTI RIG 272.



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		PTS275	2.83	2.75	
WVF3FT	11.71	RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
WVFCAL	11.71				
WVFS1	11.71				
WVFS2	11.71				
WVFS3	11.71				
WVFS4	11.71				
WVFS5	11.71				
WVFS6	11.71				
WVFS7	11.71				
WVFS8	11.71				
WVF5FT	10.63				
		PTS275	2.83	2.75	
CCL	3.63				
		GR_CCL-Probe (111211) Probe Gamma CCL	4.54	2.75	100.00
GR	0.90				

Dataset: 204671 enc.db: field/well/run1/pass7
Total Length: 19.13 ft
Total Weight: 190.00 lb
O.D. 2.75 in

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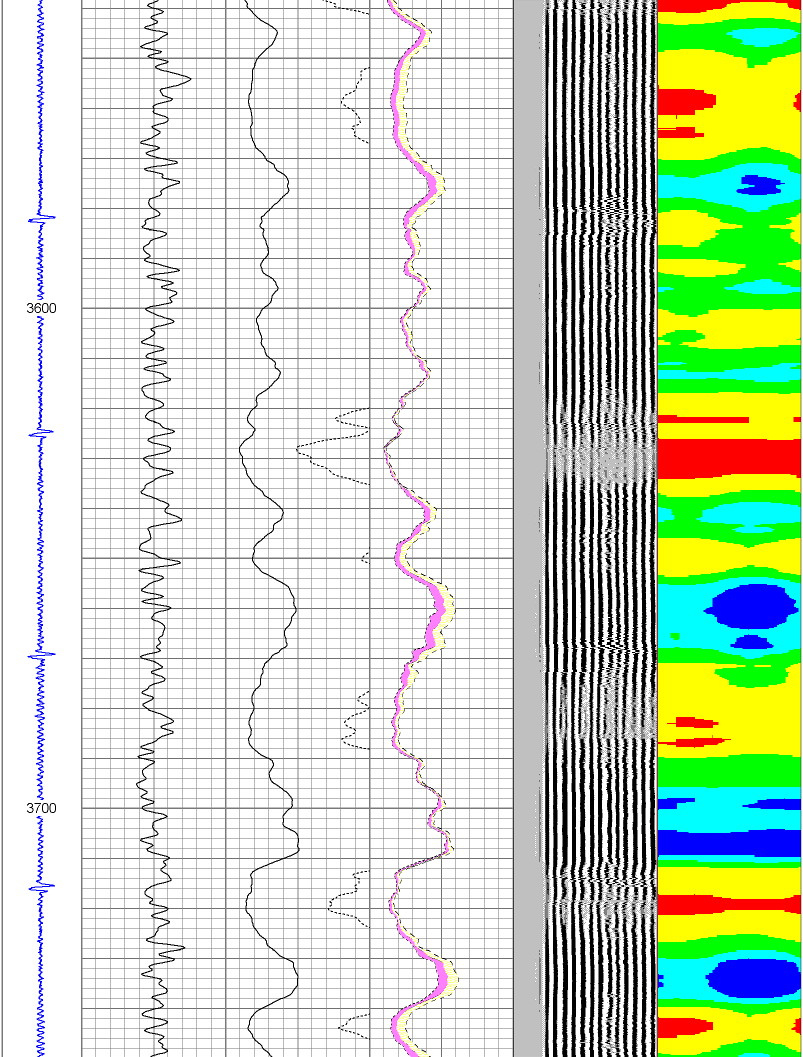
MAIN PASS

Database File:	204671 enc.db
Dataset Pathname:	pass7
Presentation Format:	scbl02
Dataset Creation:	Sat Oct 26 02:45:58 2013 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240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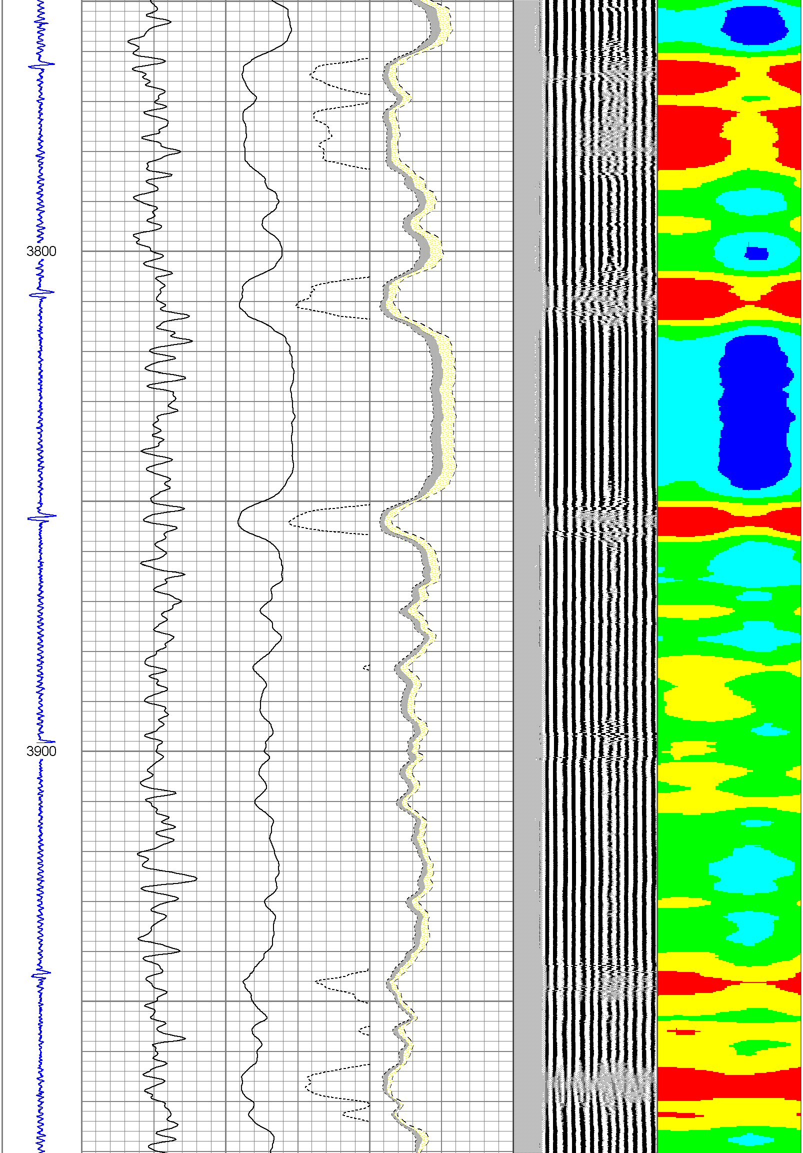
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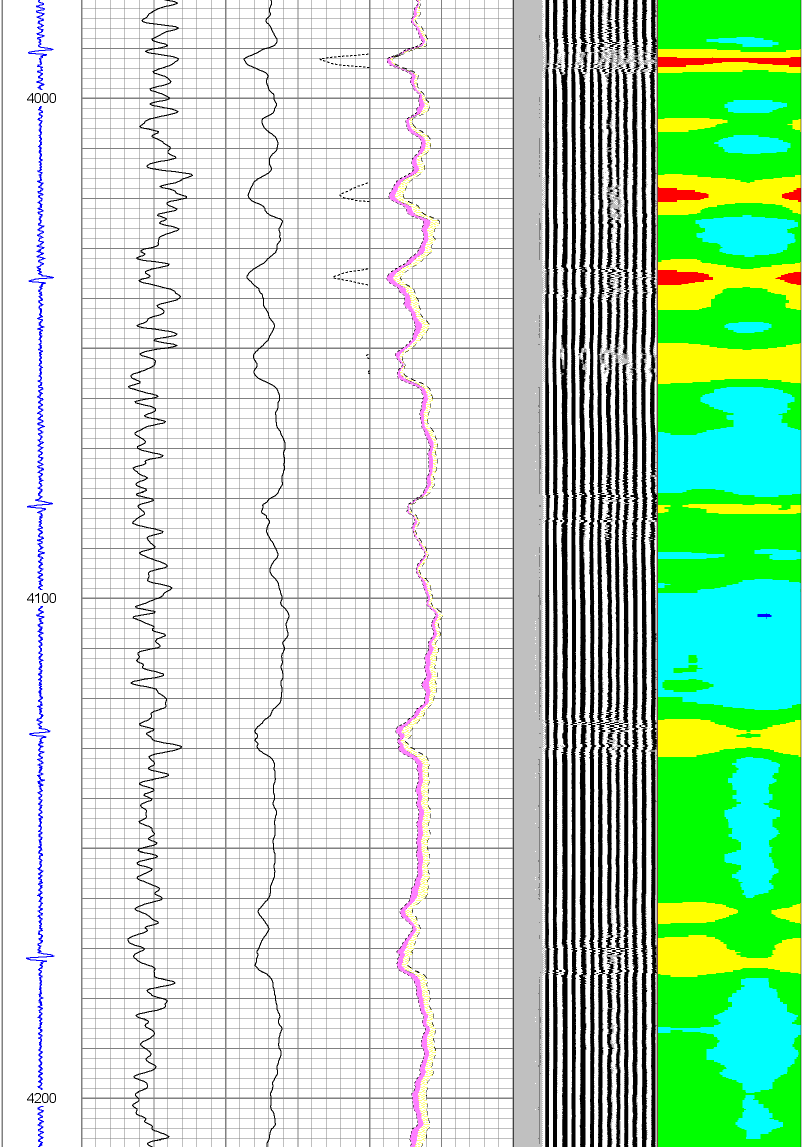
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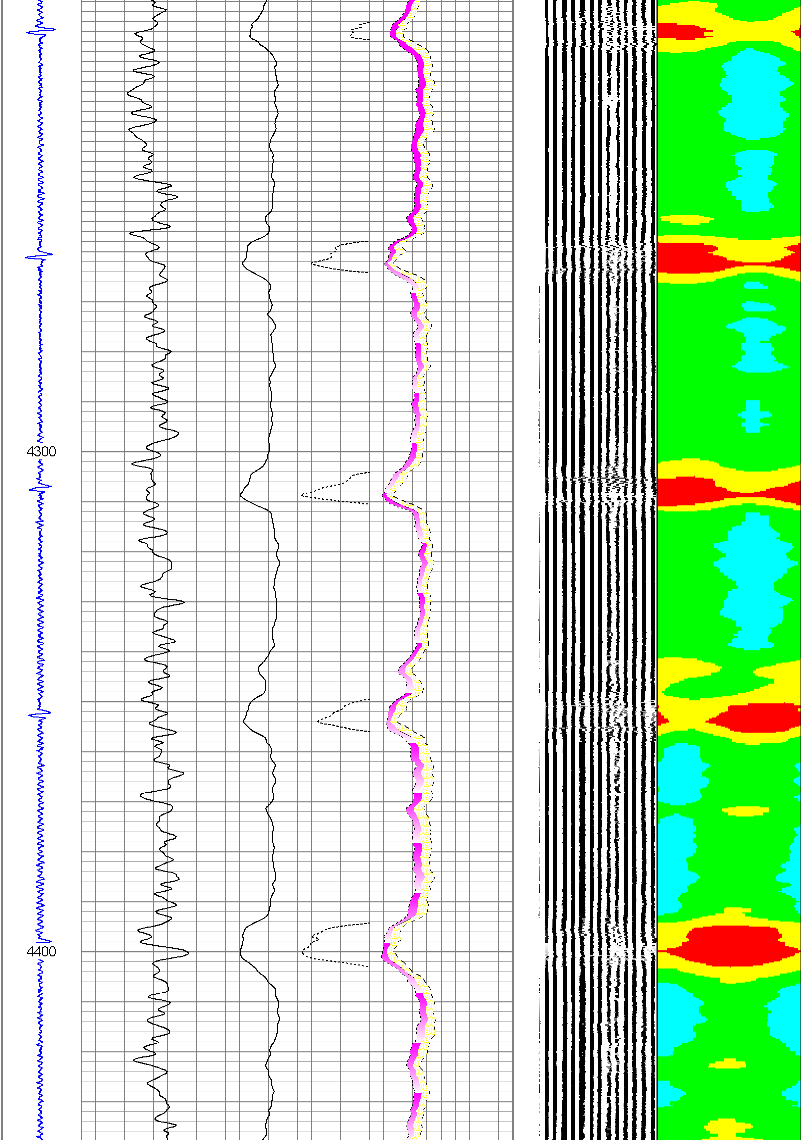
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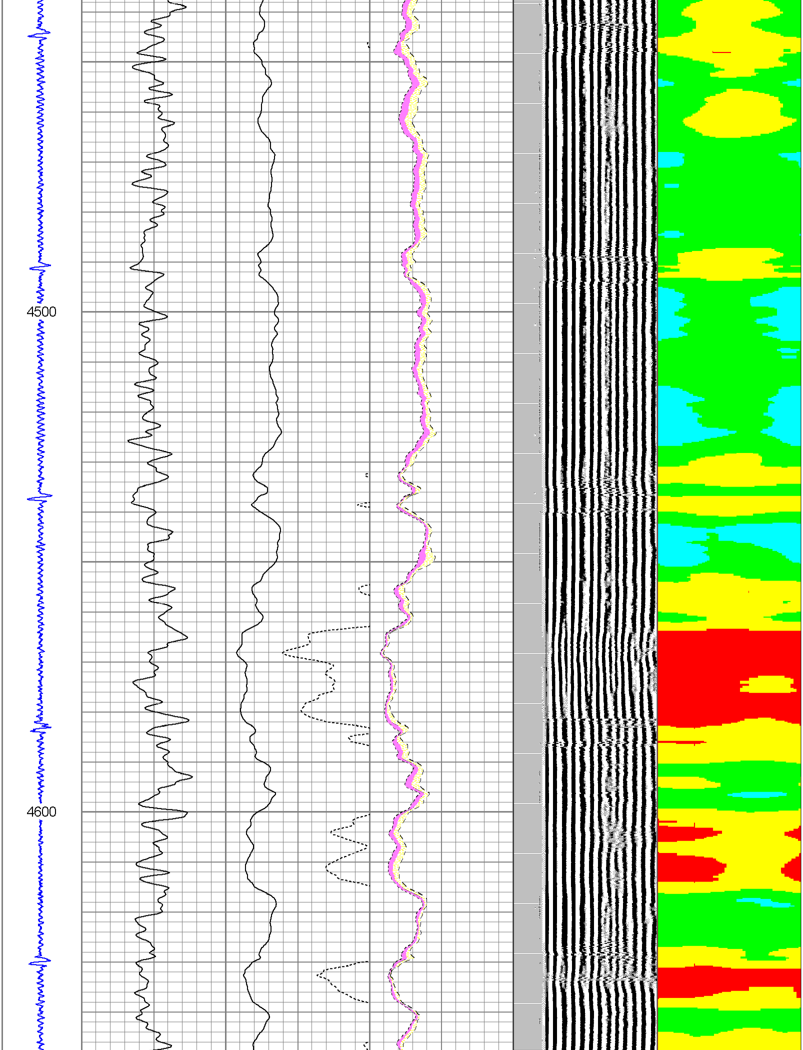
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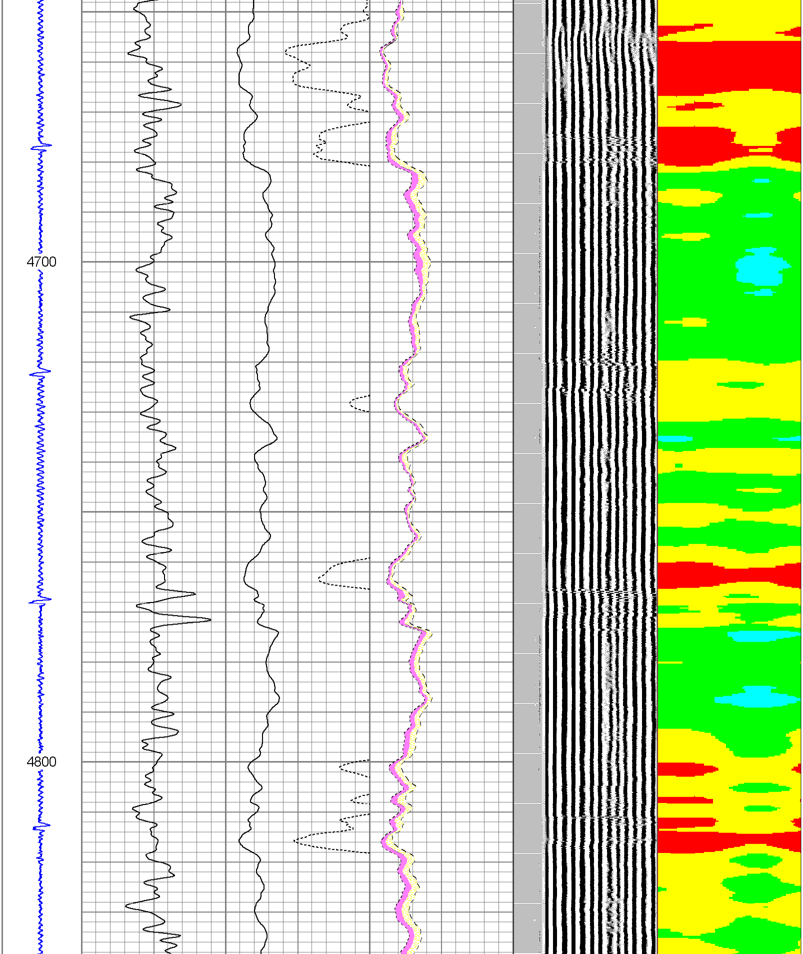
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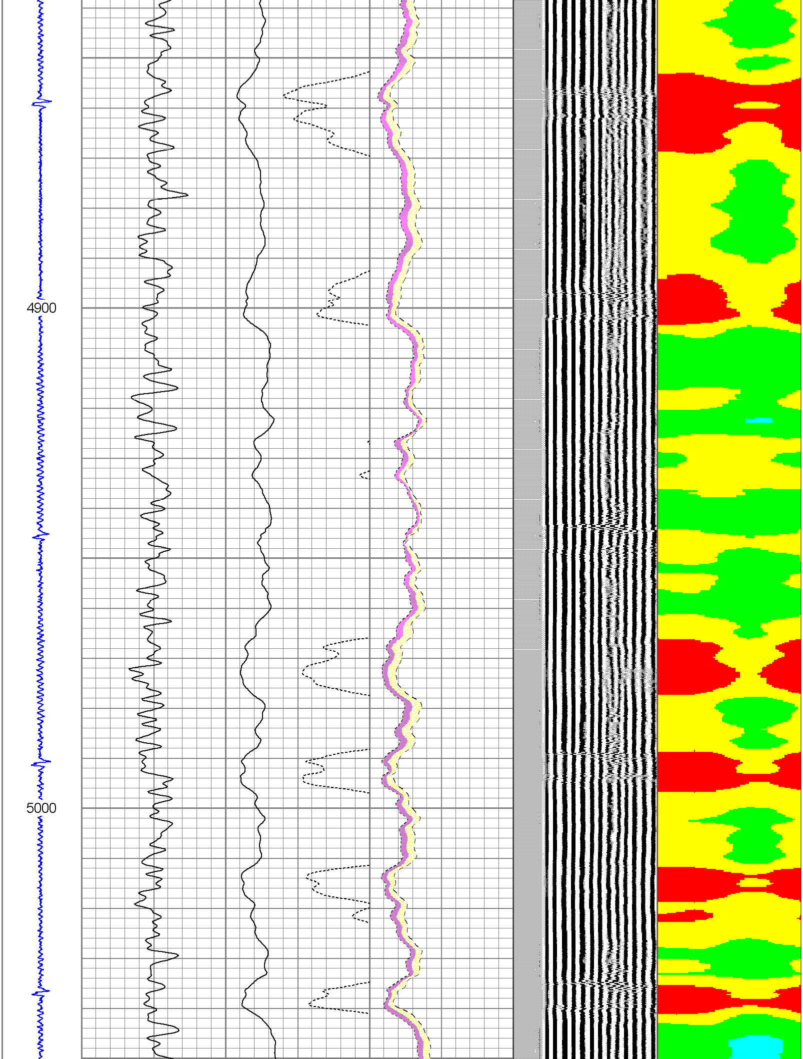
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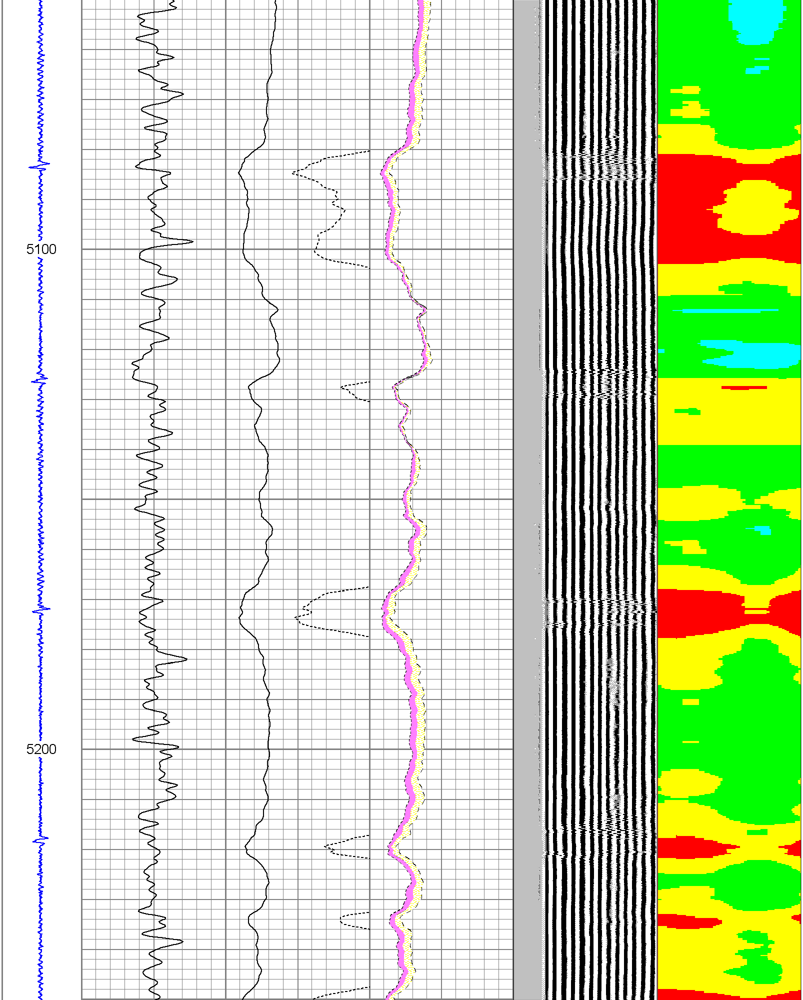
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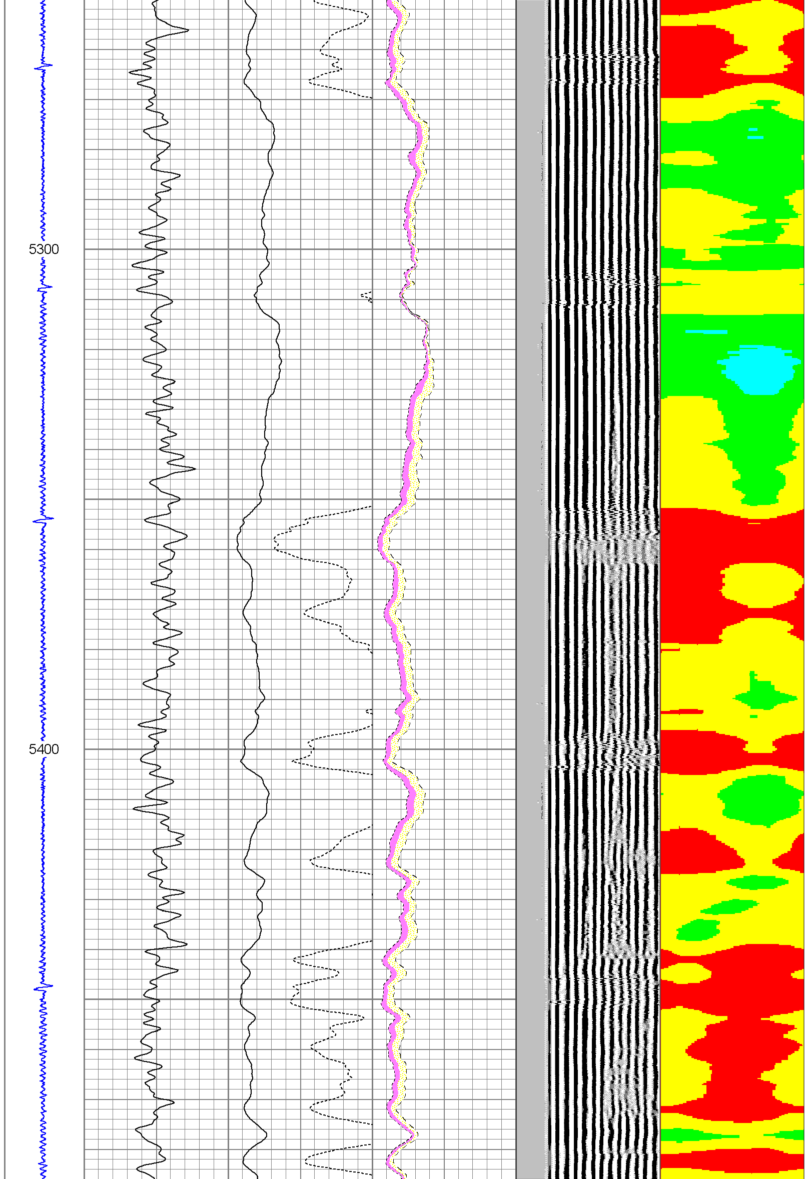
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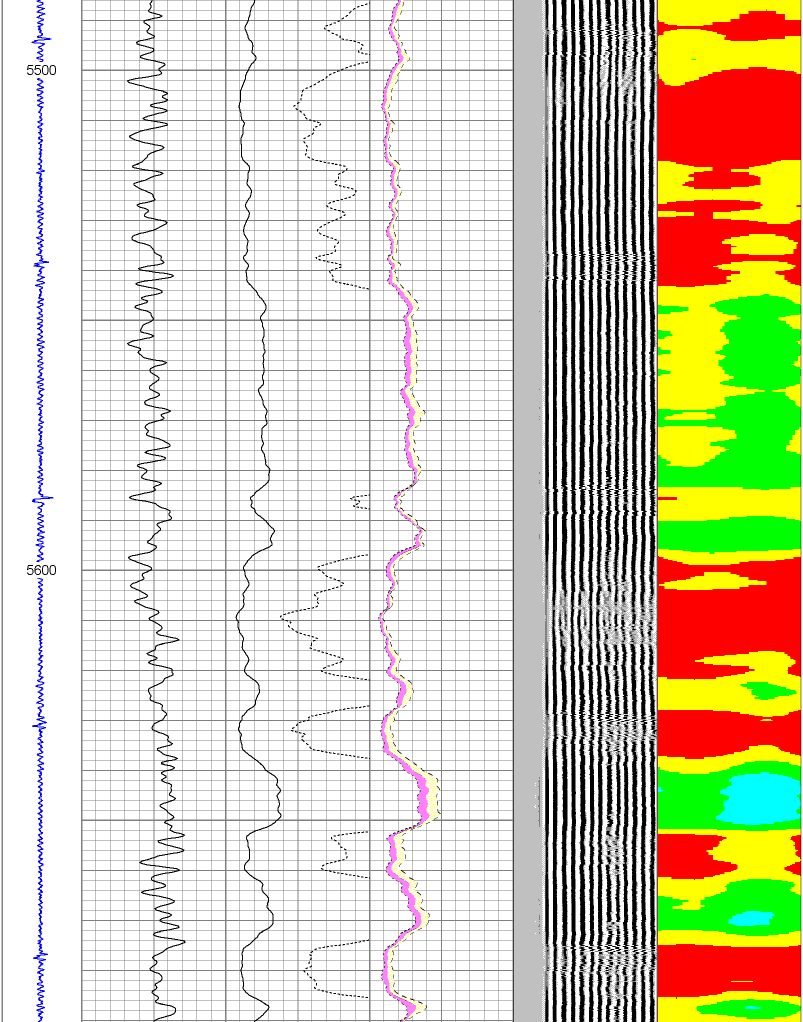
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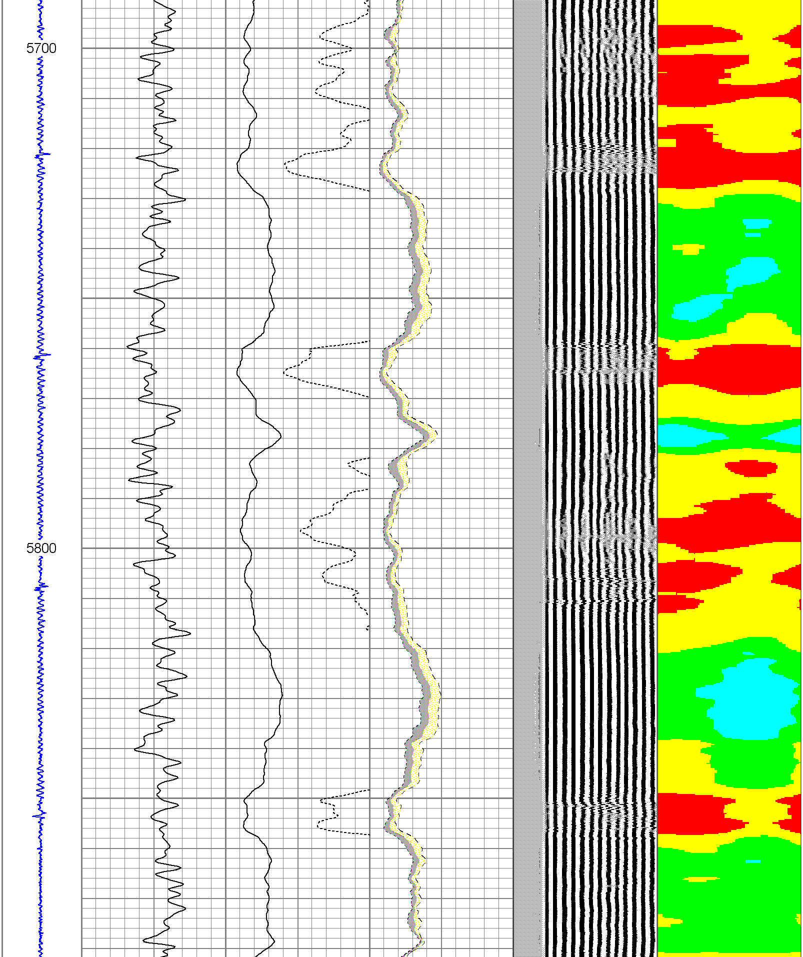
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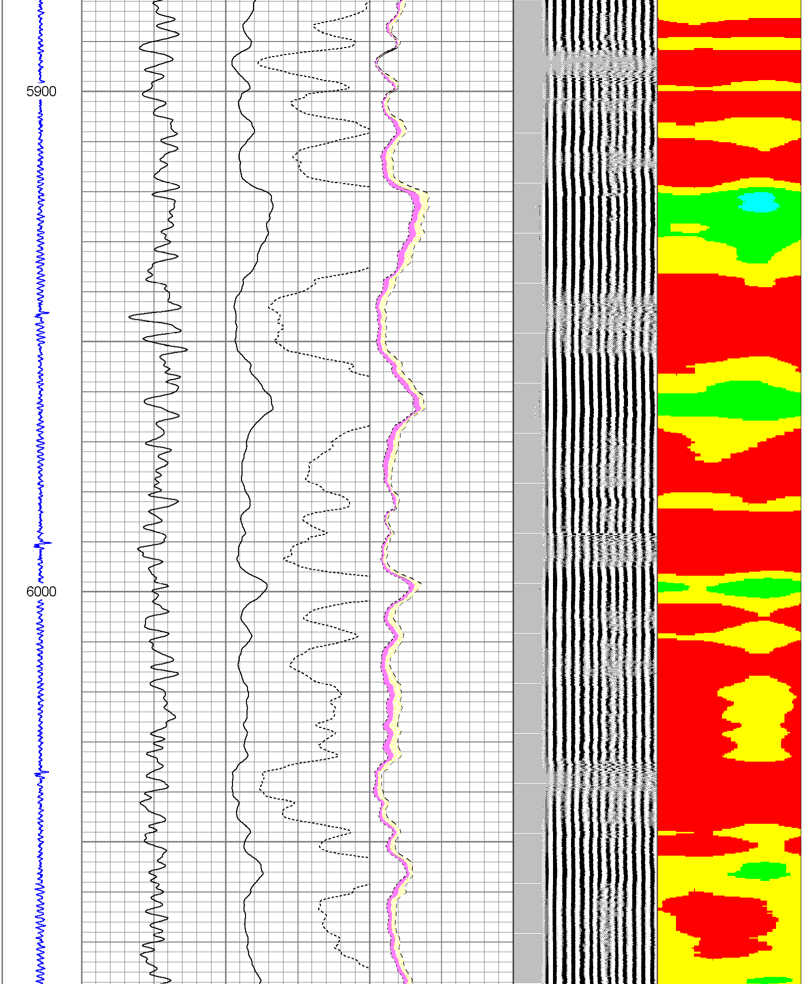
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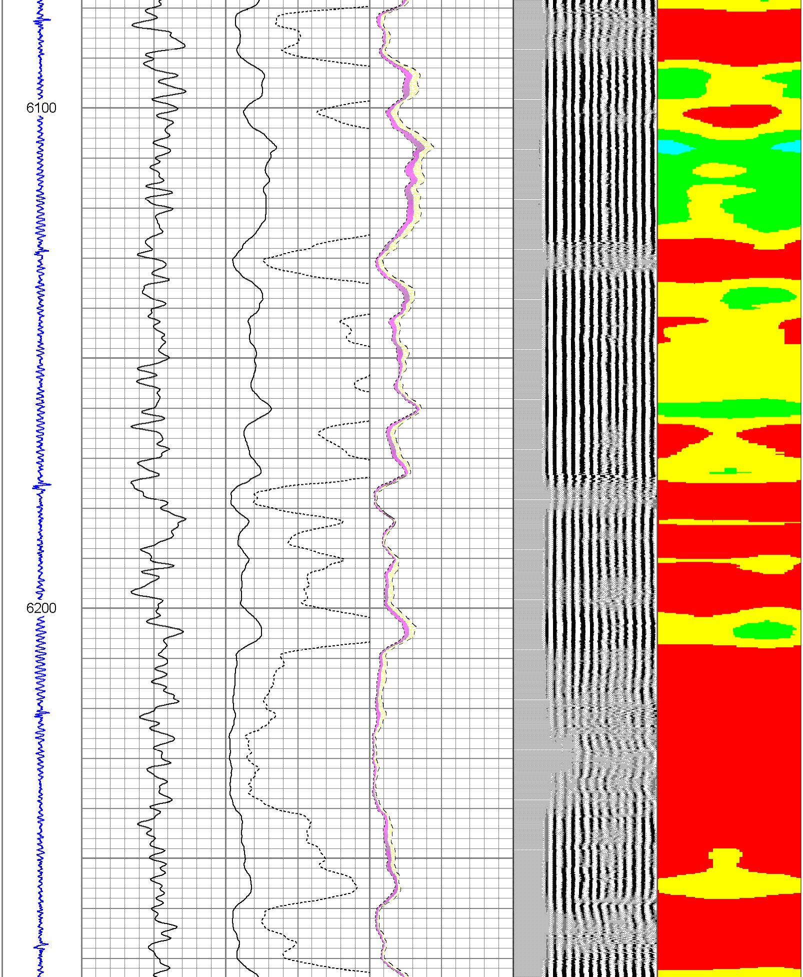
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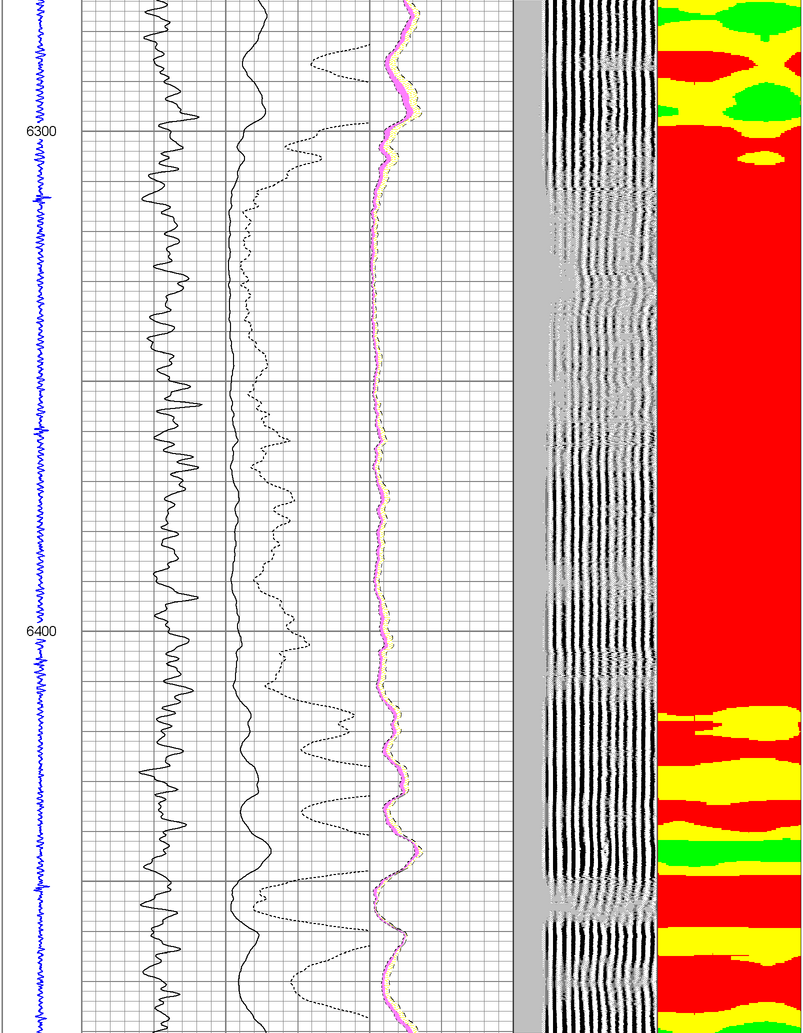
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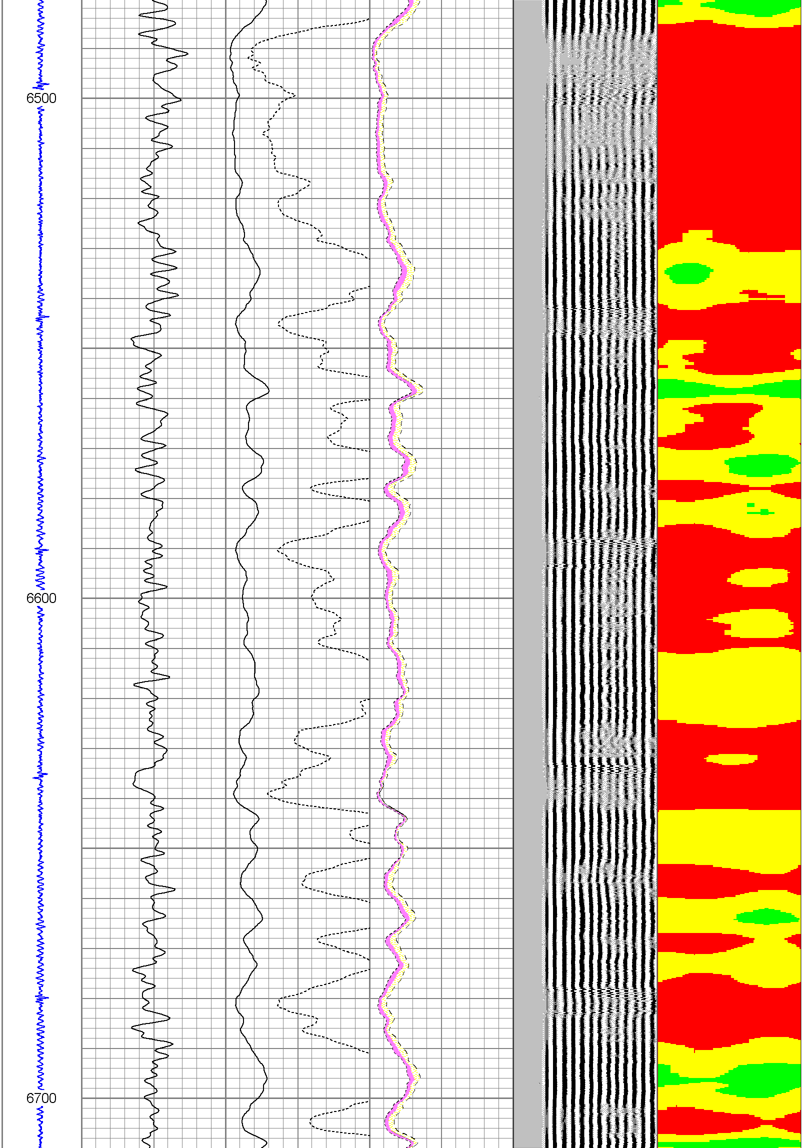

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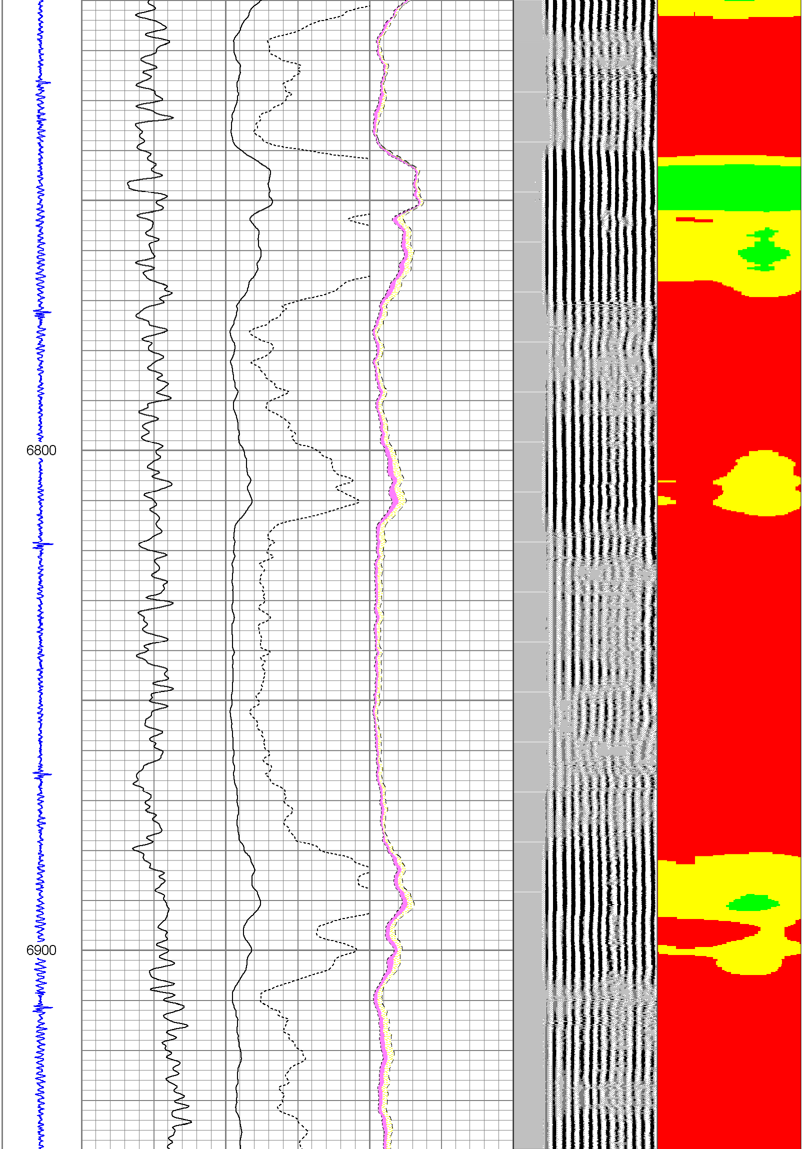
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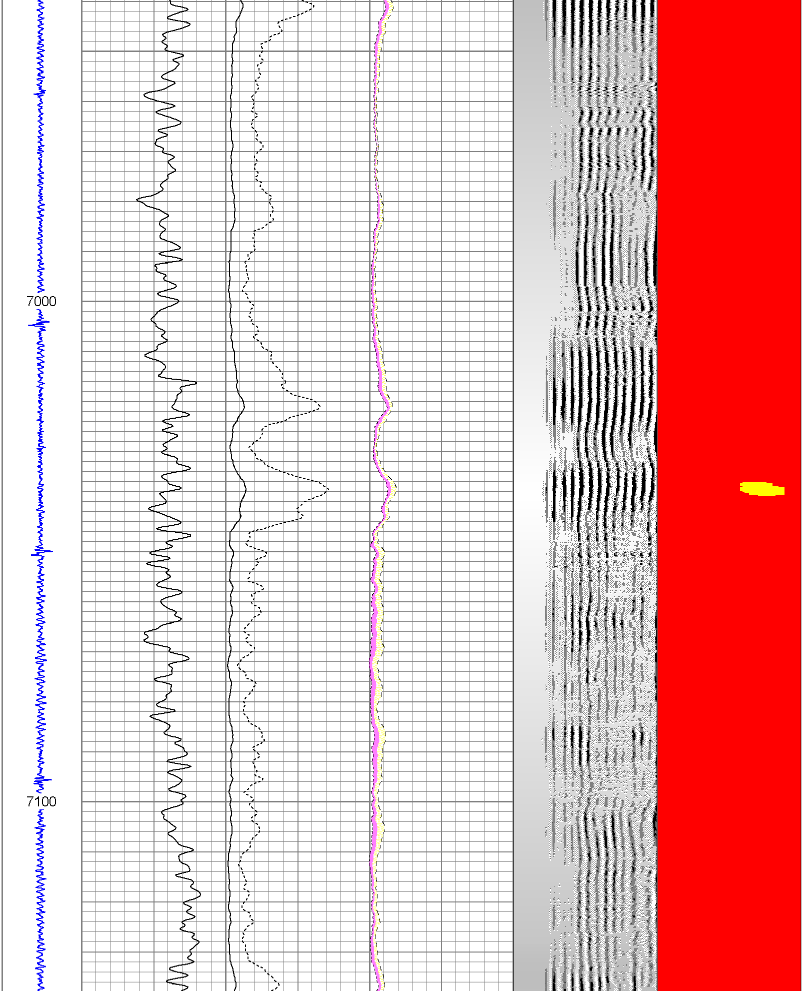
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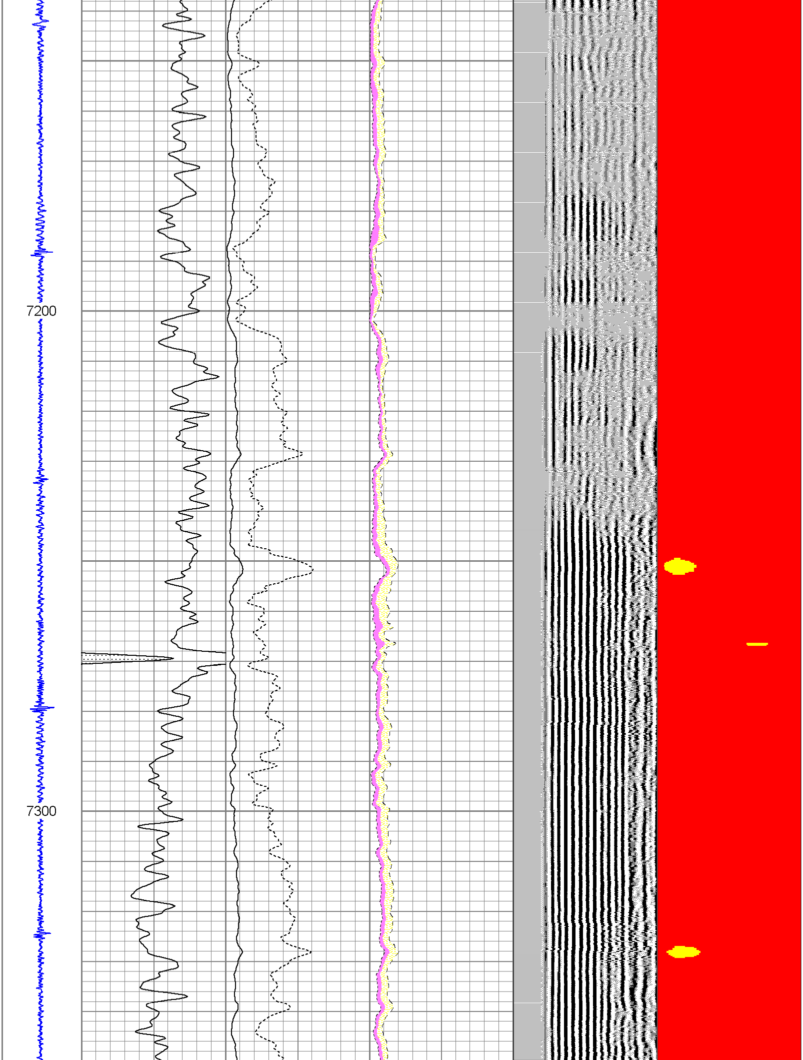
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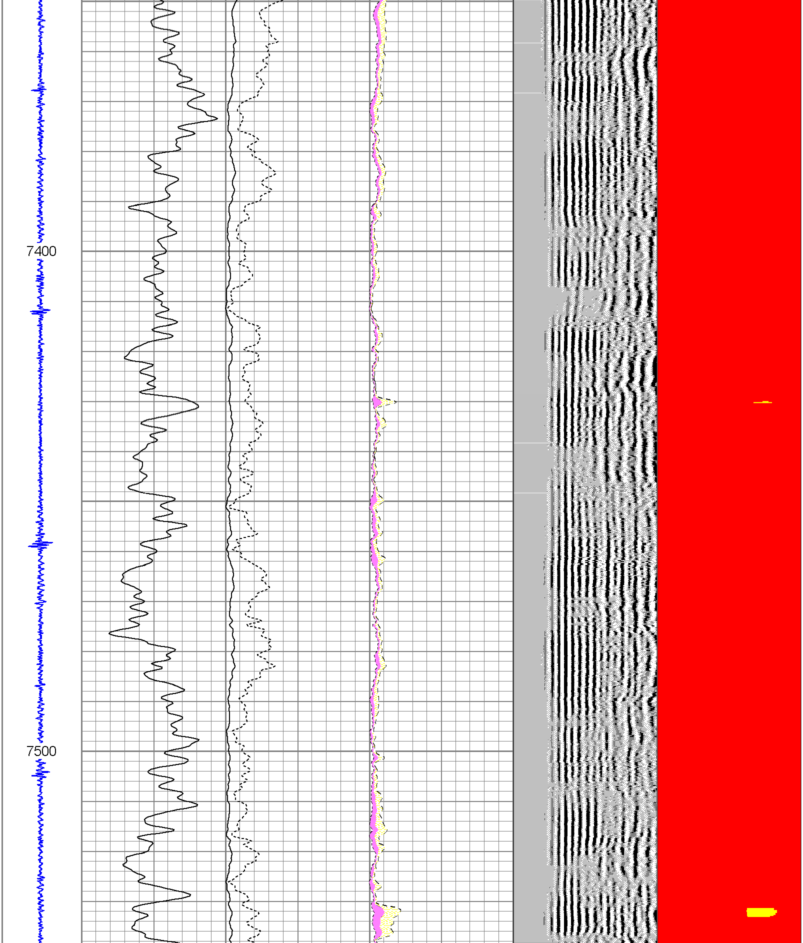
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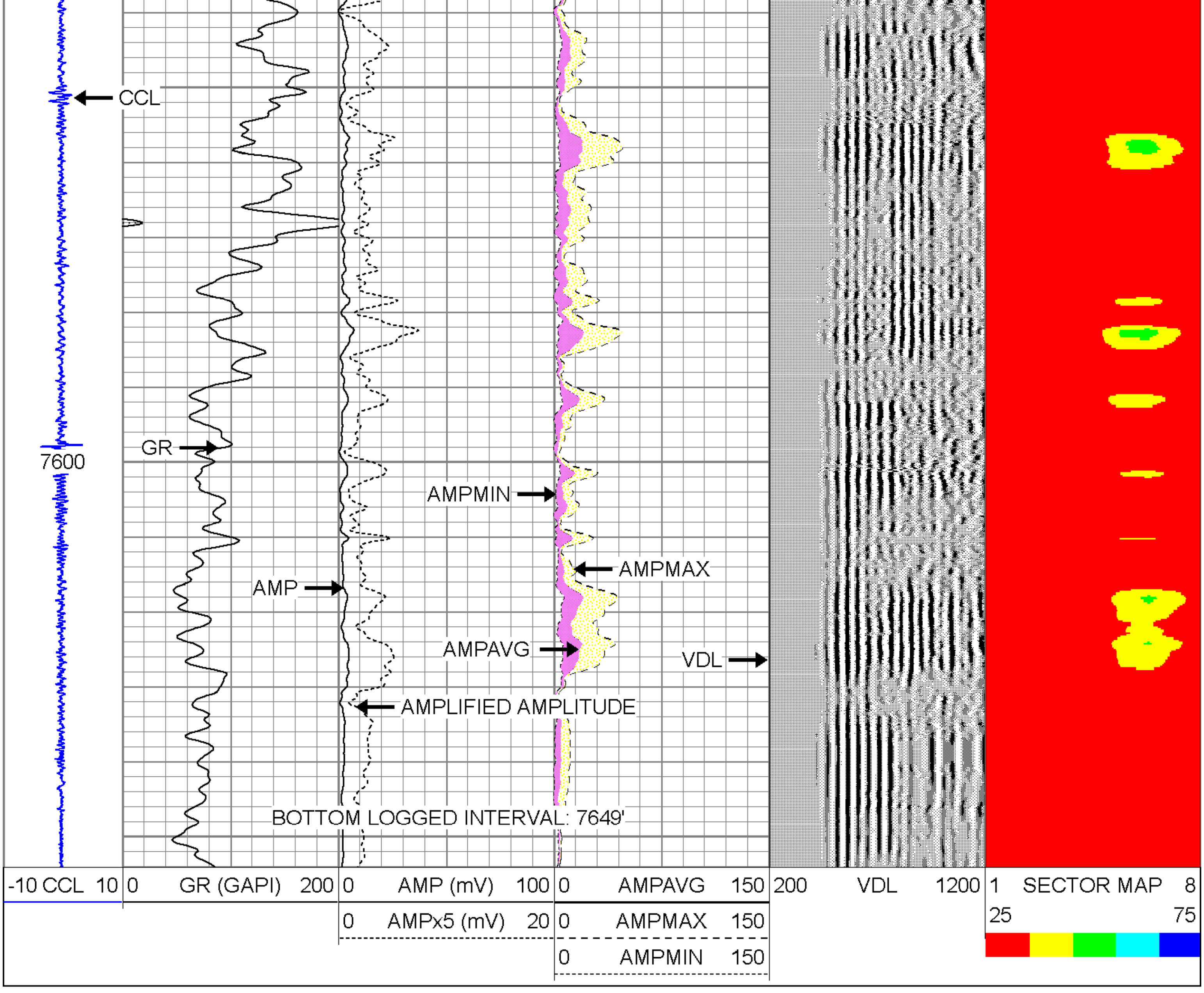

Calibration Report

Database File:	204671 enc.db
Dataset Pathname:	pass7
Dataset Creation:	Sat Oct 26 02:45:58 2013 by Log 7.0 B1

Gamma Ray Calibration Report

Serial Number:	111211	
Tool Model:	Probe	
Performed:	Sat Oct 19 12:52:11 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	Base	
Tool Model:	Probe	
Calibration Casing Diameter:	7.000	in
Calibration Depth:	883.567	ft

Master Calibration, performed Sat Oct 26 02:08:21 2013:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.013	0.908	0.000	62.165	69.447	-0.892
CAL	0.013	0.914				
5'	0.013	0.835	0.000	62.165	75.666	-0.987
SUM						
S1	0.013	0.903	0.000	100.000	112.301	-1.444
S2	0.013	0.935	0.000	100.000	108.424	-1.361
S3	0.013	0.939	0.000	100.000	107.930	-1.393
S4	0.013	0.944	0.000	100.000	107.402	-1.361
S5	0.013	0.947	0.000	100.000	106.991	-1.349
S6	0.013	0.917	0.000	100.000	110.610	-1.391
S7	0.013	0.886	0.000	100.000	114.508	-1.508
S8	0.013	0.890	0.000	100.000	114.023	-1.470

Internal Reference Calibration, performed Wed Aug 21 11:08:58 2013:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.013	0.914	1.000	0.000

Air Zero Calibration, performed Wed Aug 21 10:24:02 2013:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

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Company	ENCANA OIL & GAS (USA) INC
Well	DEVROE 1A-34H
Field	WATTENBERG
County	WELD
State	CO