PIONEER
Pioneer Energy Services

GAMMA RAY CCL CEMENT BOND VDL SECTOR MAP

Company	EnCana Oil & Gas (USA) Inc.
Well	Jillson-East Rinn 3I-22H-N268
Field	Wattenberg
County	Weld
State	Colorado
Country	USA

Company EnCana Oil & Gas (USA) Inc.
Well Jillson-East Rinn 3I-22H-N268
Field Wattenberg
County Weld Country USA
State Colorado

Location: API #: 05-123-38004
SHL: 261' FSL & 2110' FWL SESW
SEC 22 TWP 2N RGE 68W

Other Services
None

Permanent Datum	GL	Elevation 4975
Log Measured From	KB	
Drilling Measured From	KB	

Elevation
K.B. 5000
D.F. 5000
G.L. 4975

Date	July 14, 2014
Run Number	1
Depth Driller	15040
Depth Logger	7664
Bottom Logged Interval	7663
Top Log Interval	0
Open Hole Size	8-3/4"
Type Fluid	WBM
Density / Viscosity	11.1 / 42
Max. Recorded Temp.	NA
Estimated Cement Top	544
Time Well Ready	2300 7/13/2014
Time Logger on Bottom	0000
Equipment Number	49
Location	Ft. Morgan, CO
Recorded By	Clint Christensen
Witnessed By	Jim Quesenbury

Borehole Record

Run Number	Bit	From	To

Tubing Record

Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	7"	26 lbs	0	7817'
Liner				

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

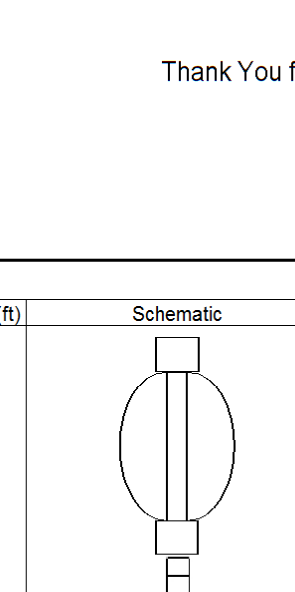
Comments

Depth Correlated to 7" Tally

H&P Rig 278

Thank You for using Pioneer Energy Services

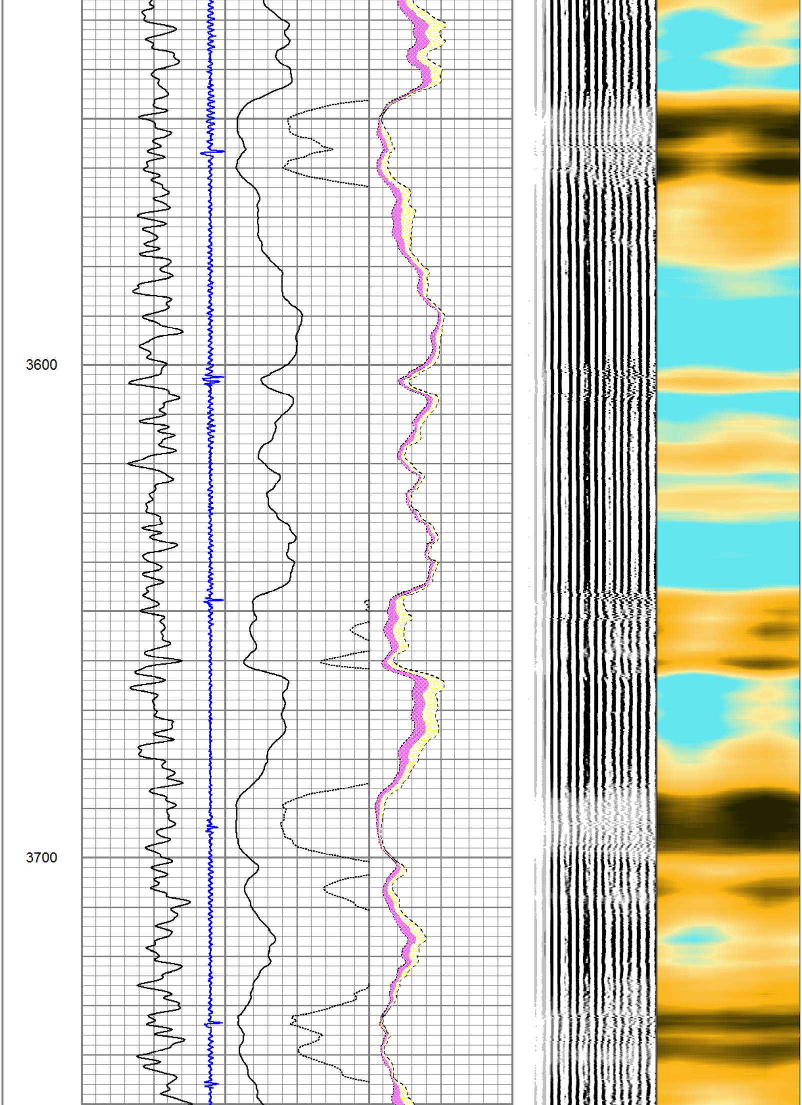
SO# 2-013608



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		CENT #2 -A (1)	2.83	2.75	20.00
IntTemp	14.66				
WVF3FT WVFCAL WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 WVF5FT	11.41 11.41 11.41 11.41 11.41 11.41 11.41 11.41 11.41 11.41 10.41	RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
		CENT-A (1)	2.83	2.75	20.00
CCL	3.92				
		GR-probe 2.75 (111205) proble Digital CCL Gamma	4.33	2.75	100.00
GR	1.13				

Dataset: 13608.db: field/well/run1/Final
Total Length: 18.91 ft
Total Weight: 230.00 lb
O.D. 2.75 in

Database File: 13608.db
Dataset Pathname: Final
Presentation Format: scbl02
Dataset Creation: Mon Jul 14 01:53:00 2014
Charted by: Depth in Feet scaled 1:240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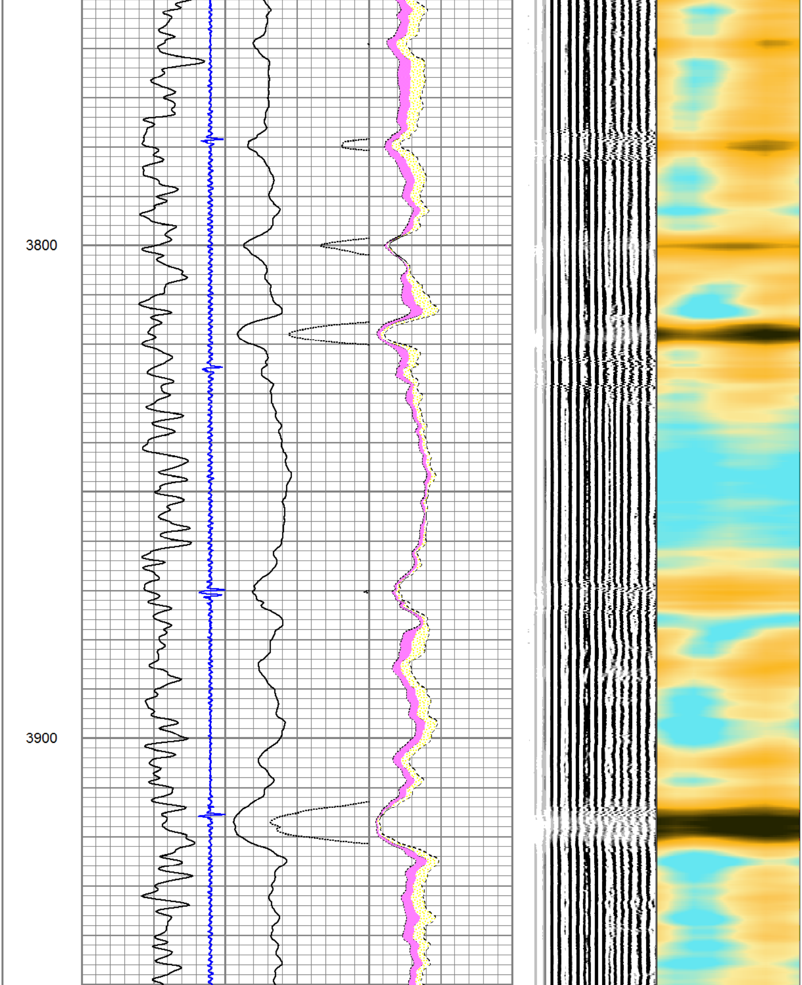
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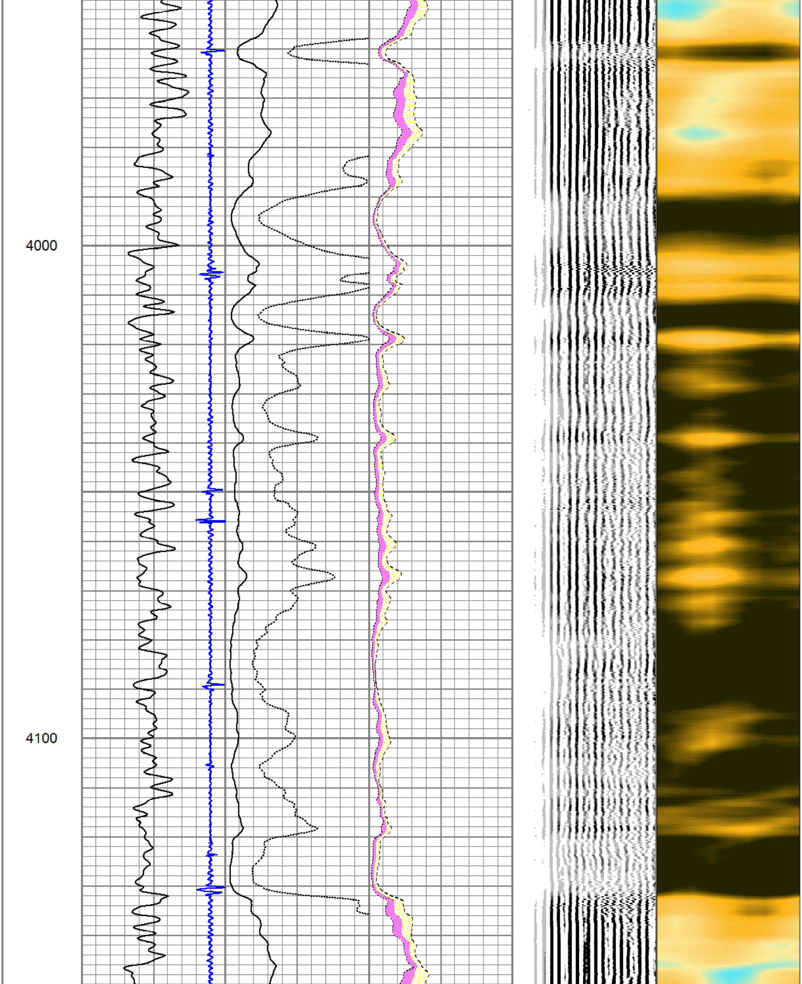
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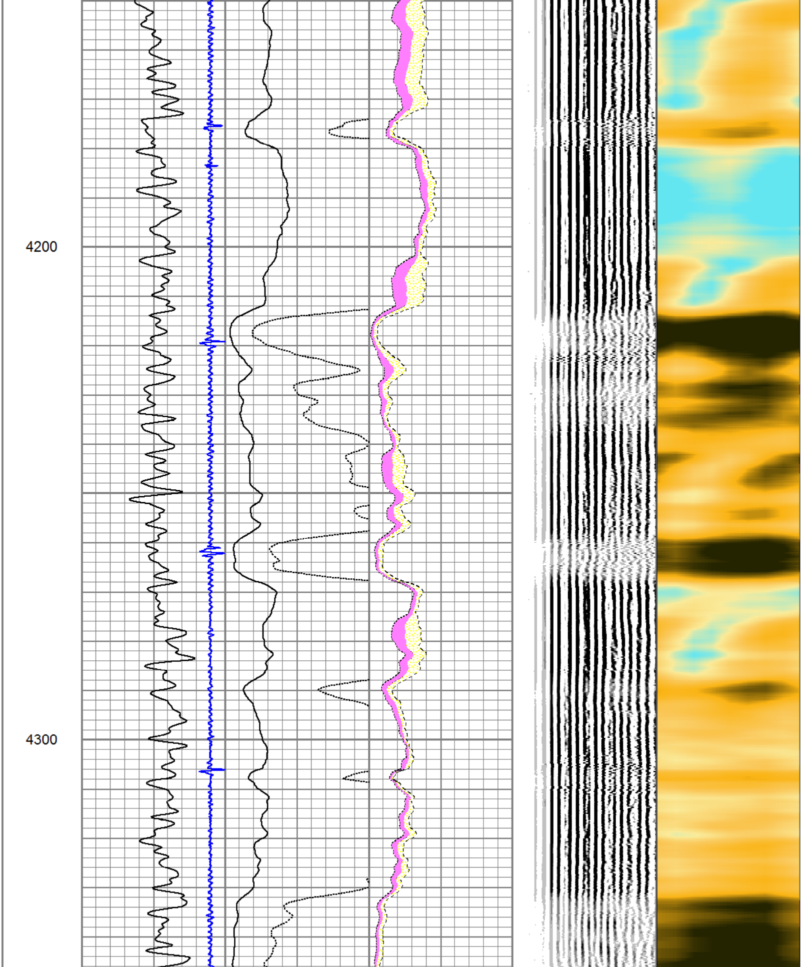
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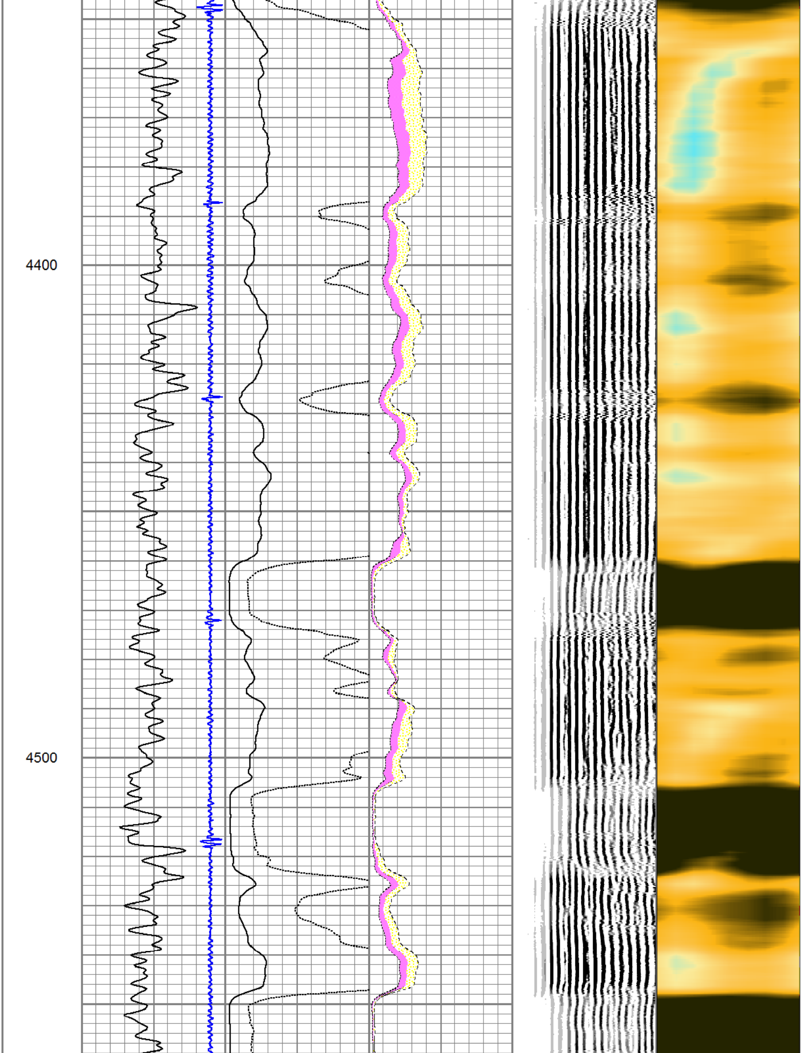
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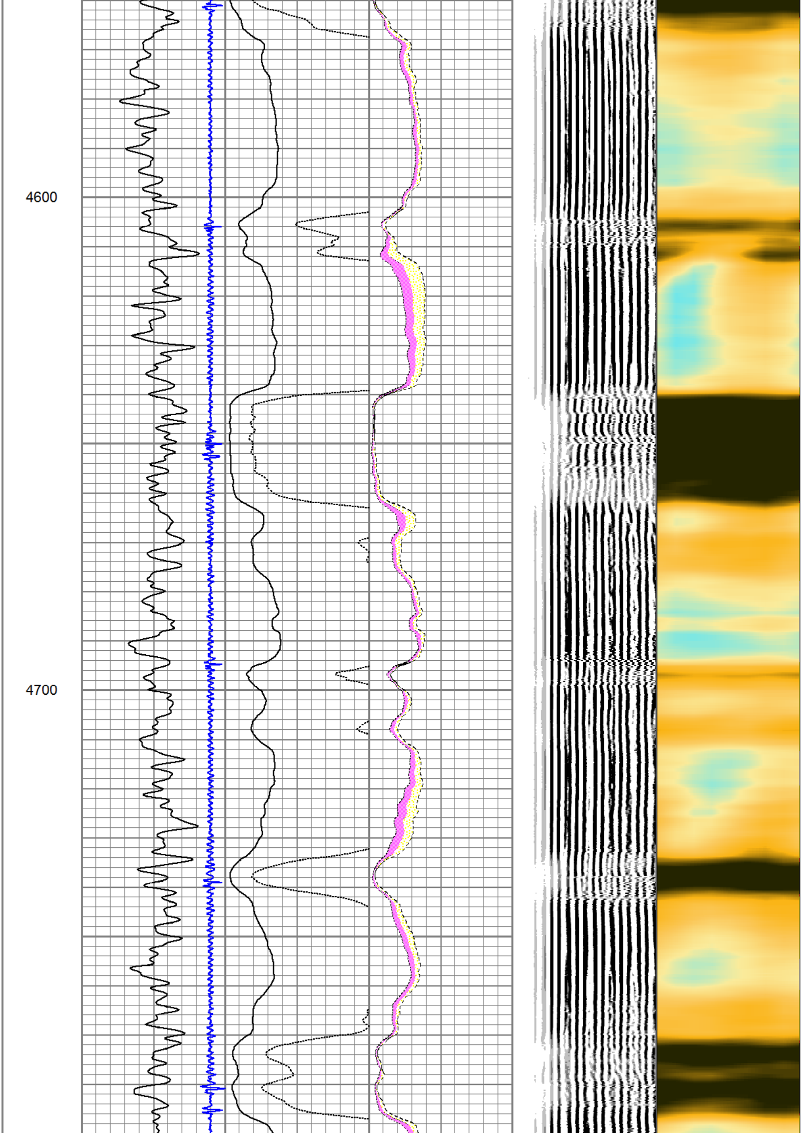
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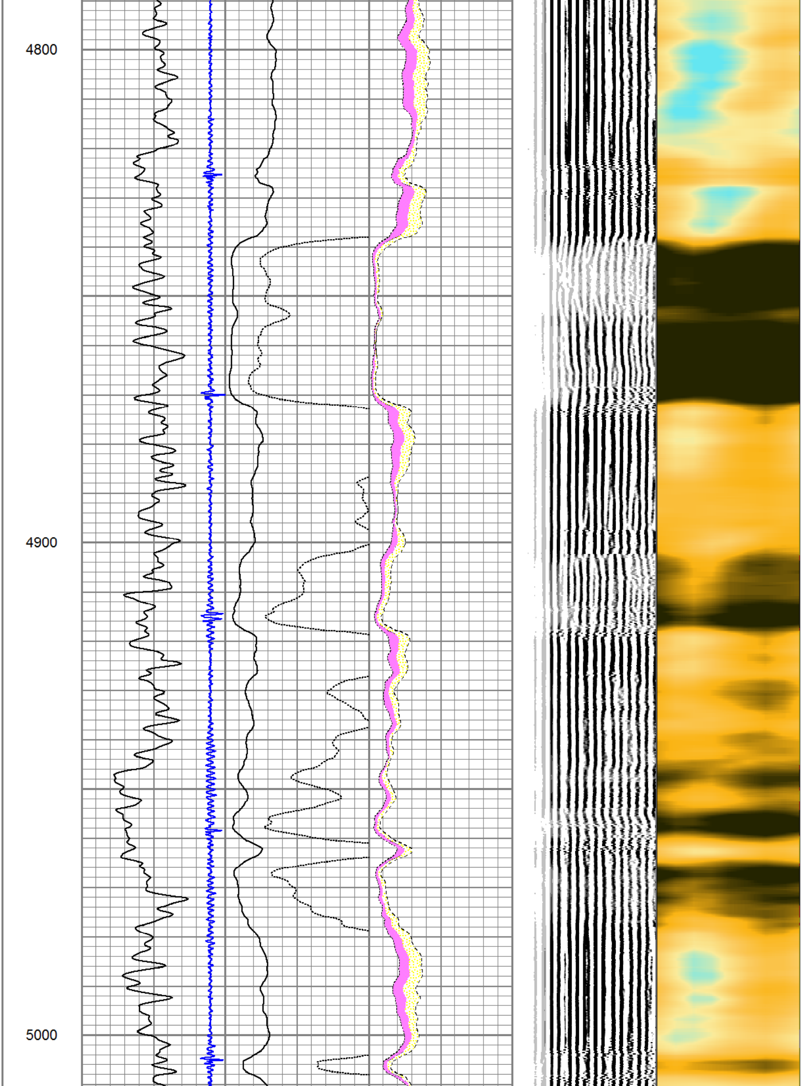
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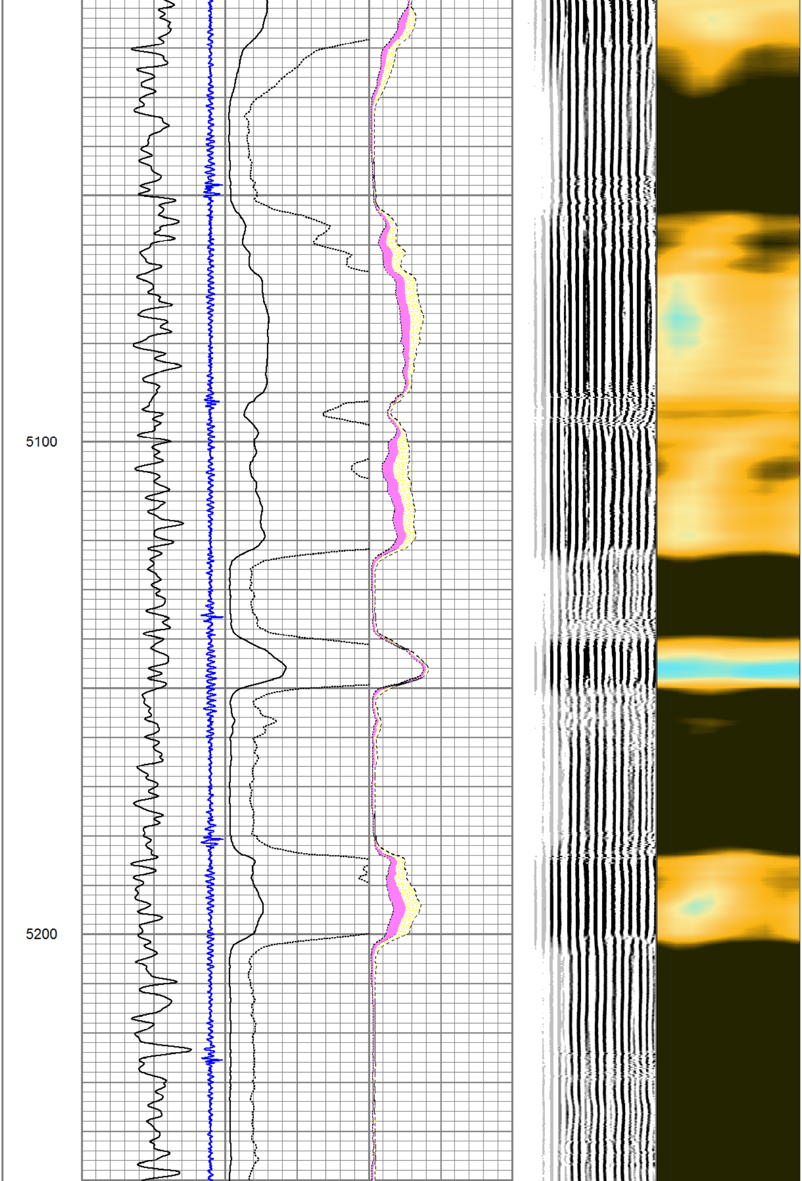
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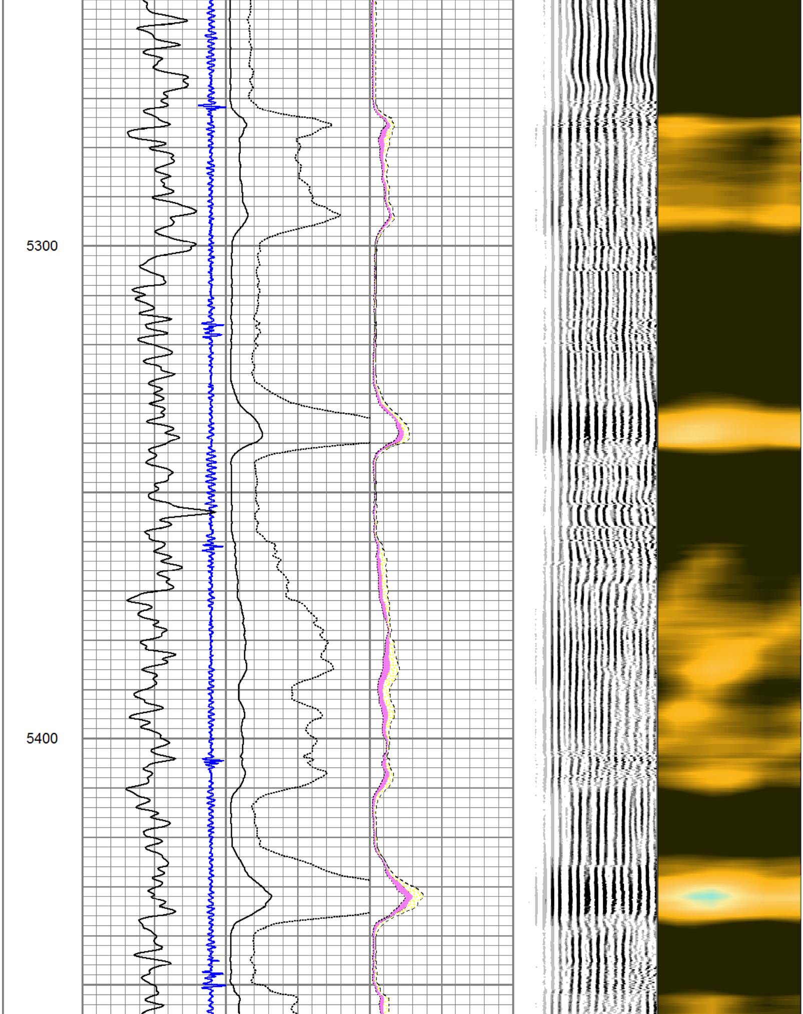
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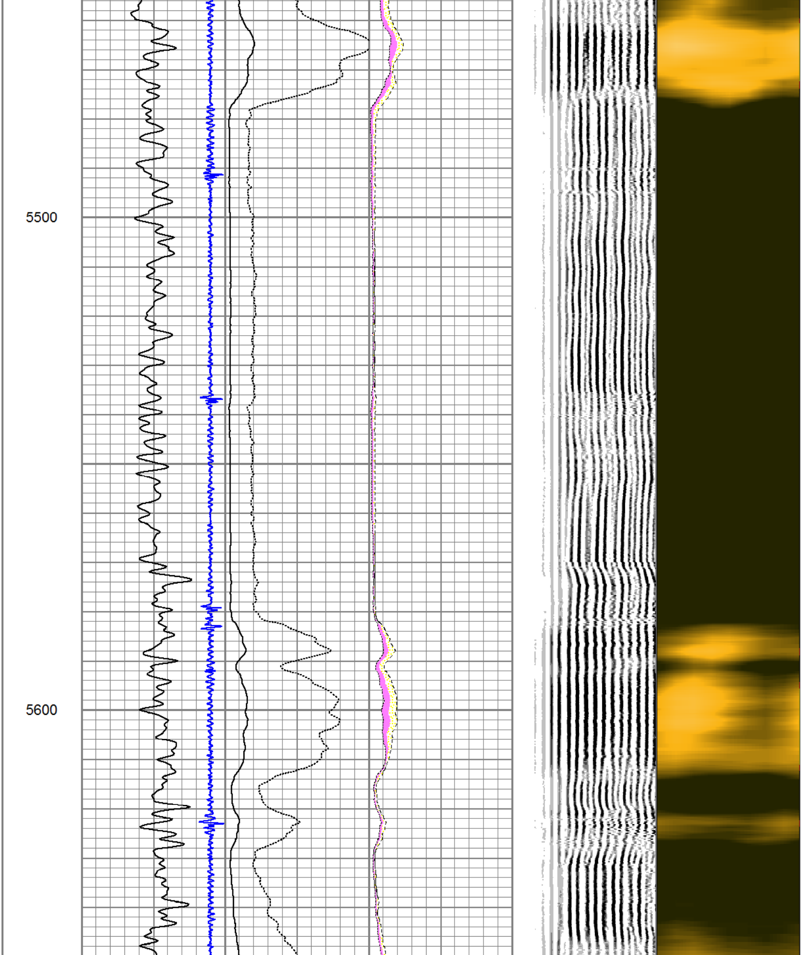
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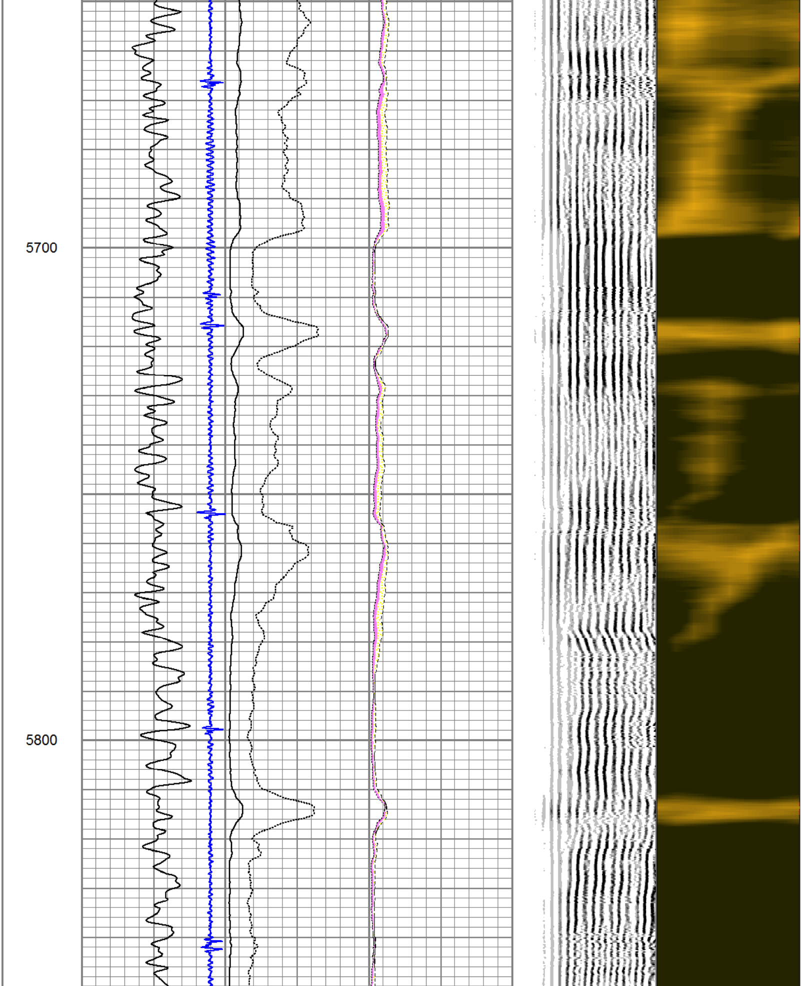
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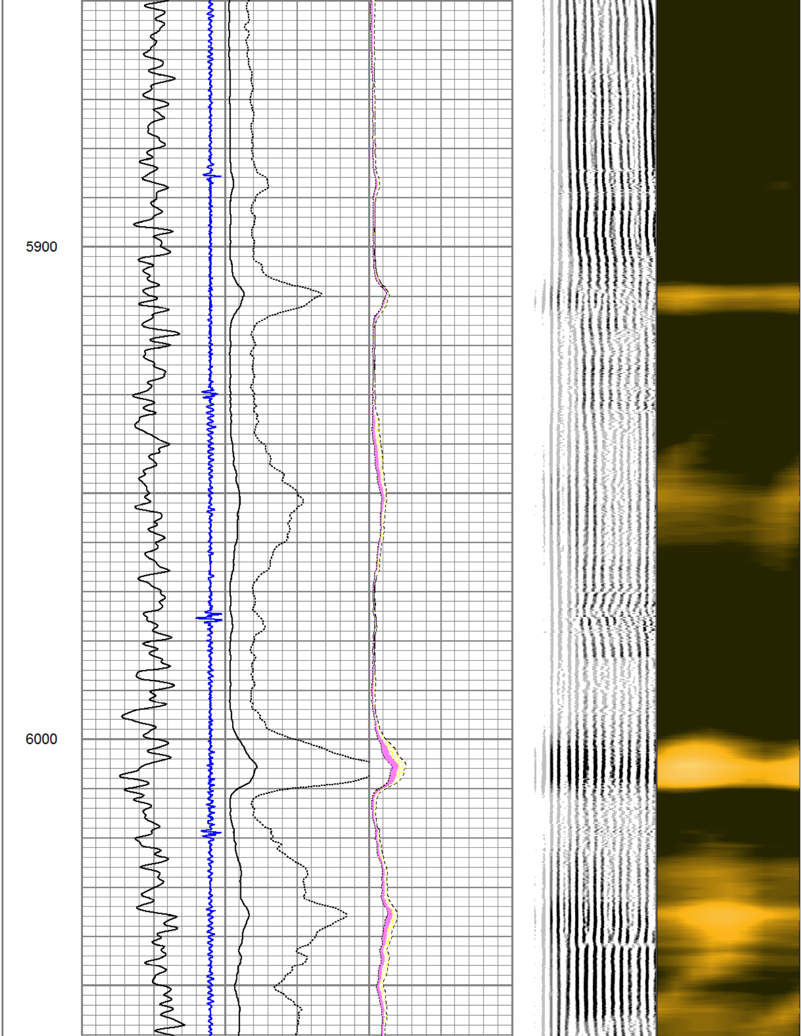
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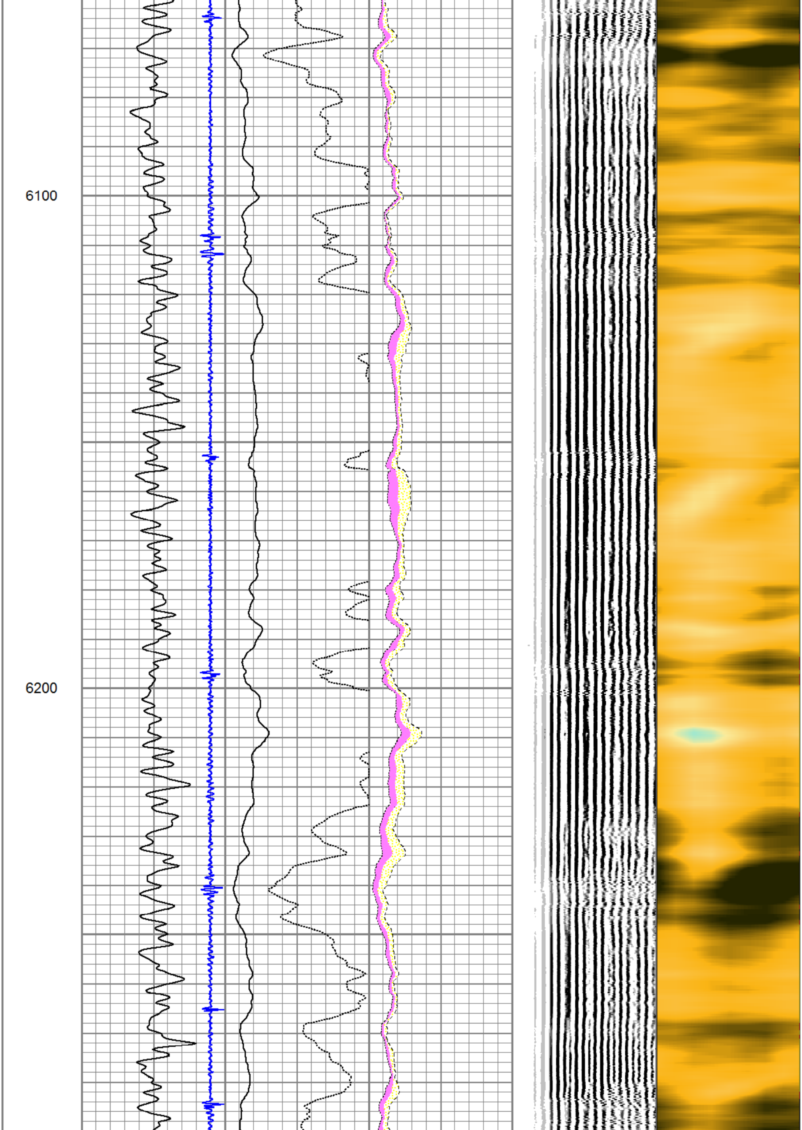
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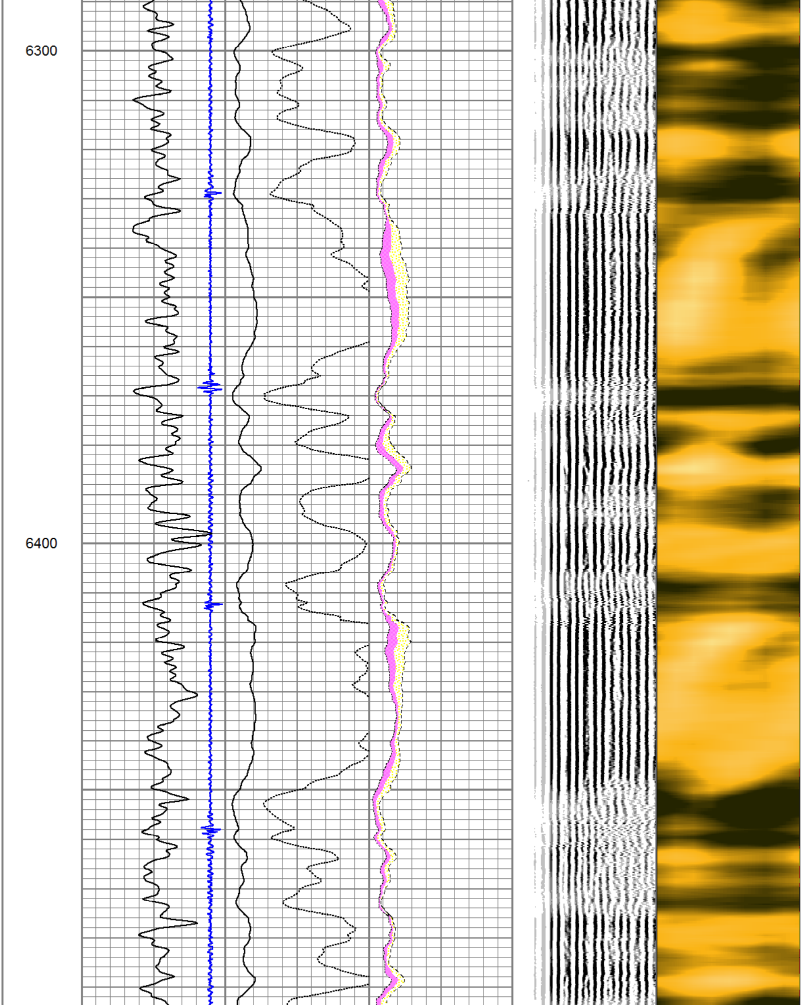
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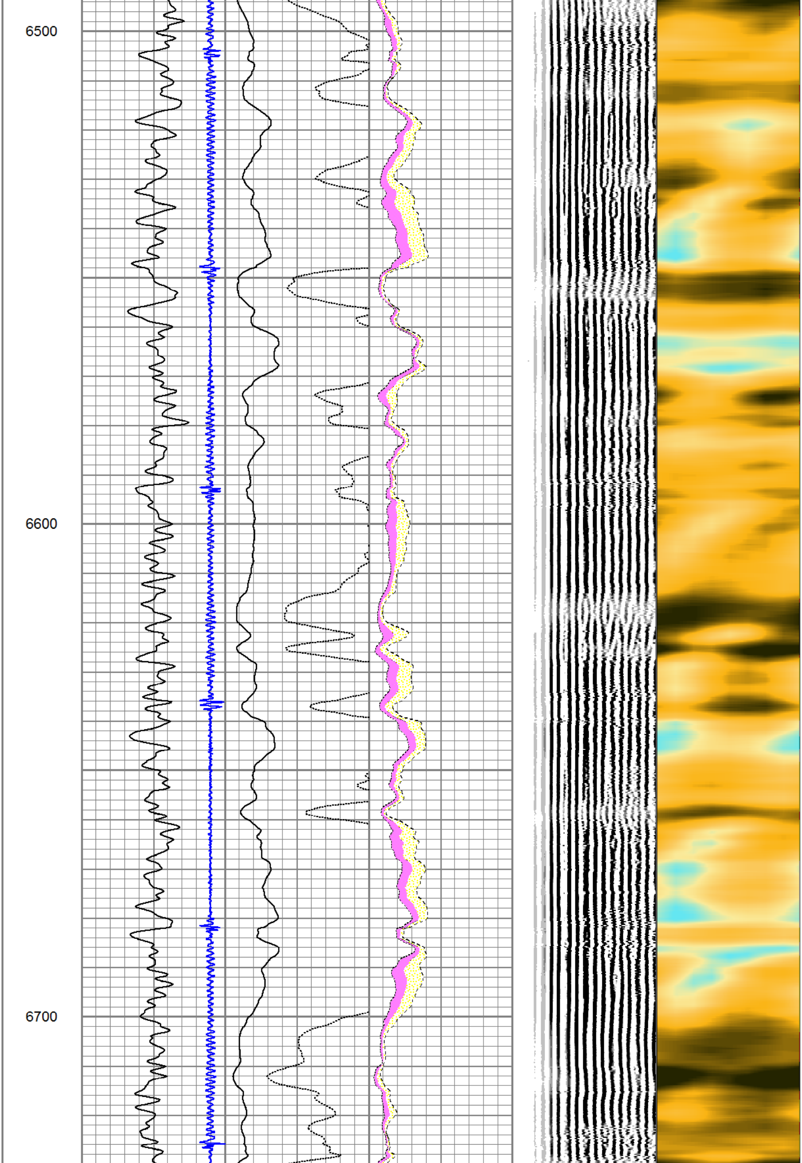
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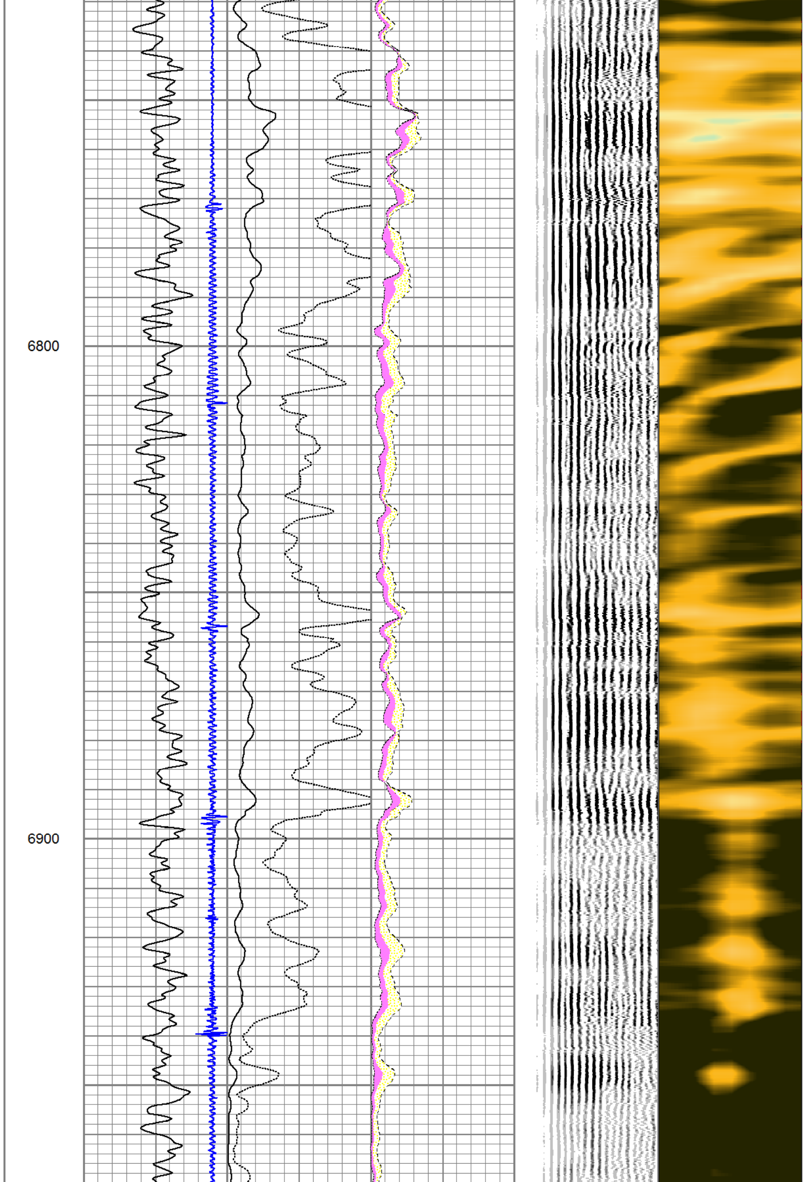
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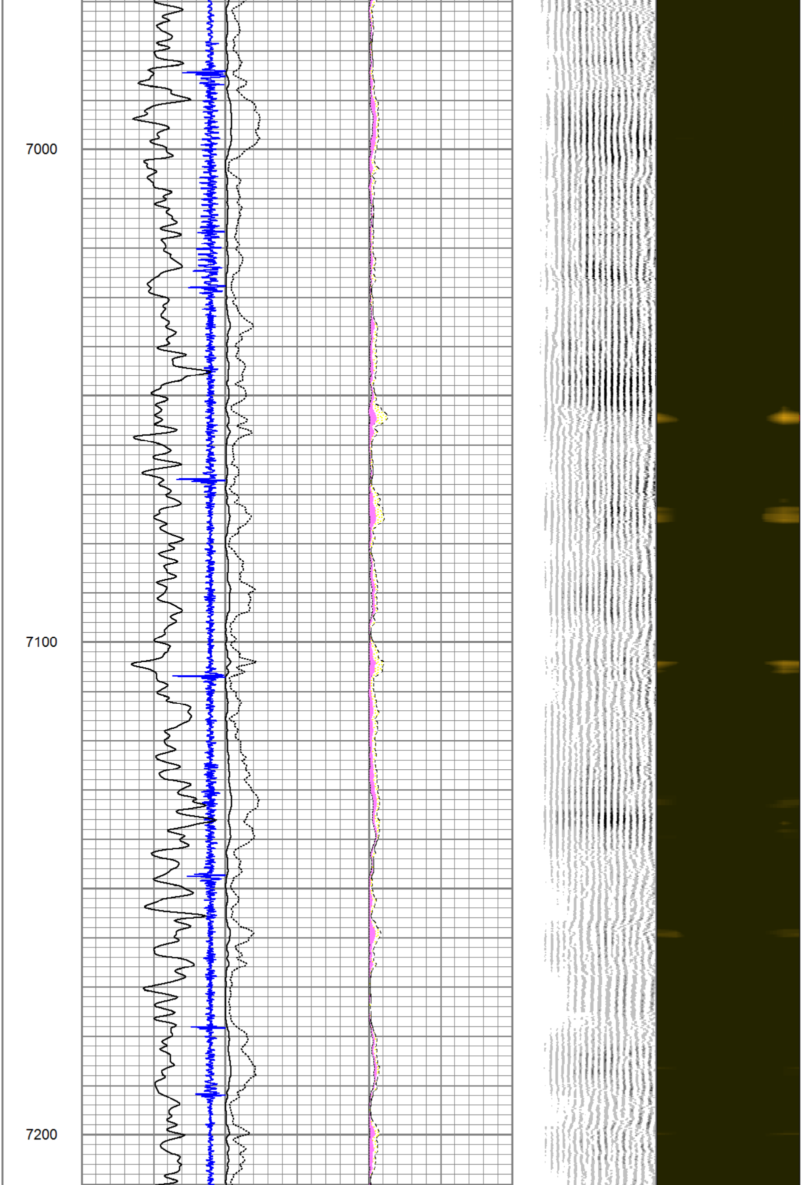
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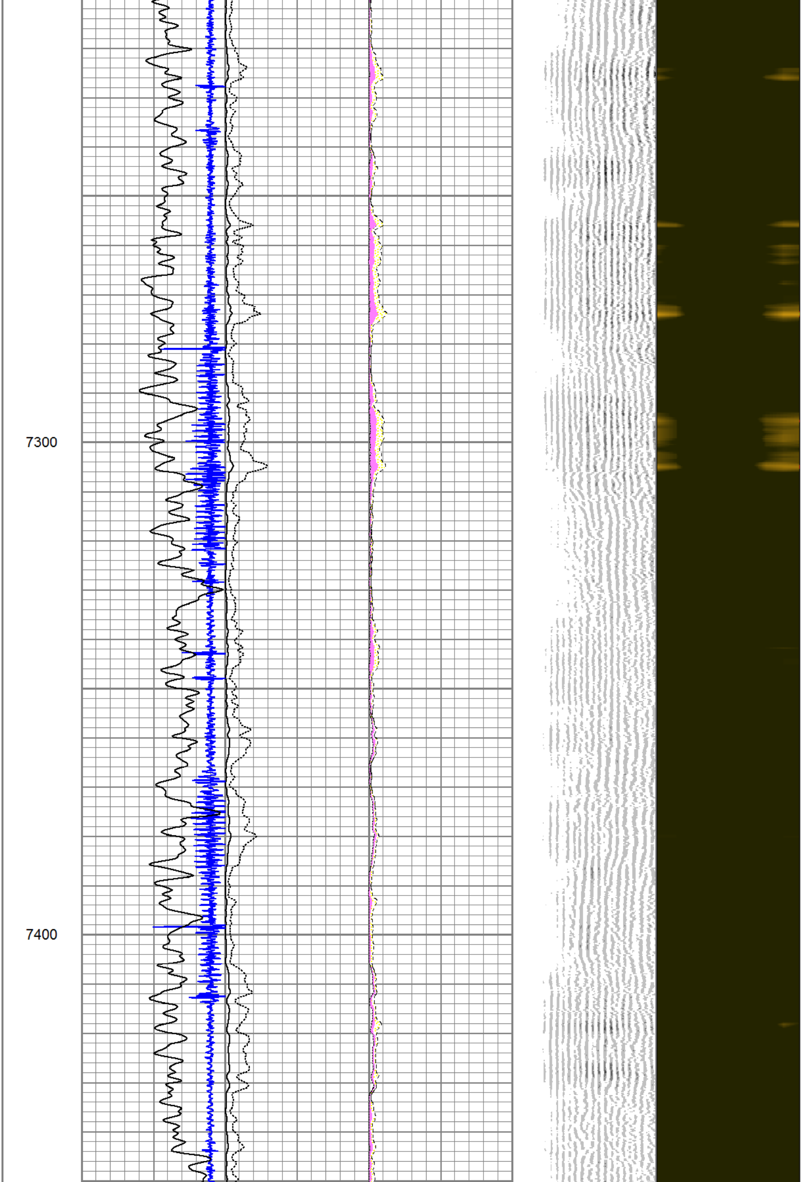
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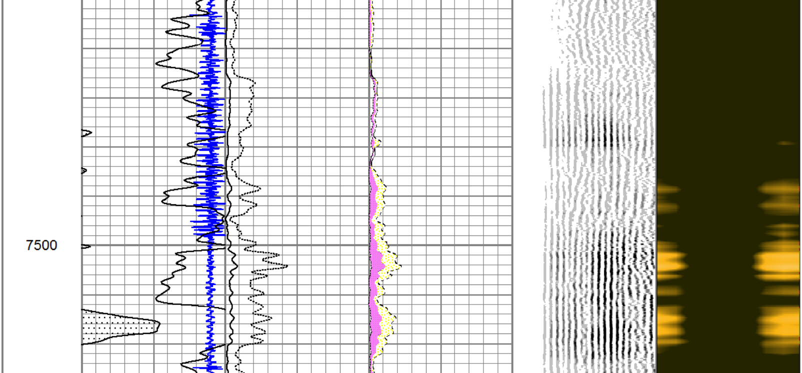
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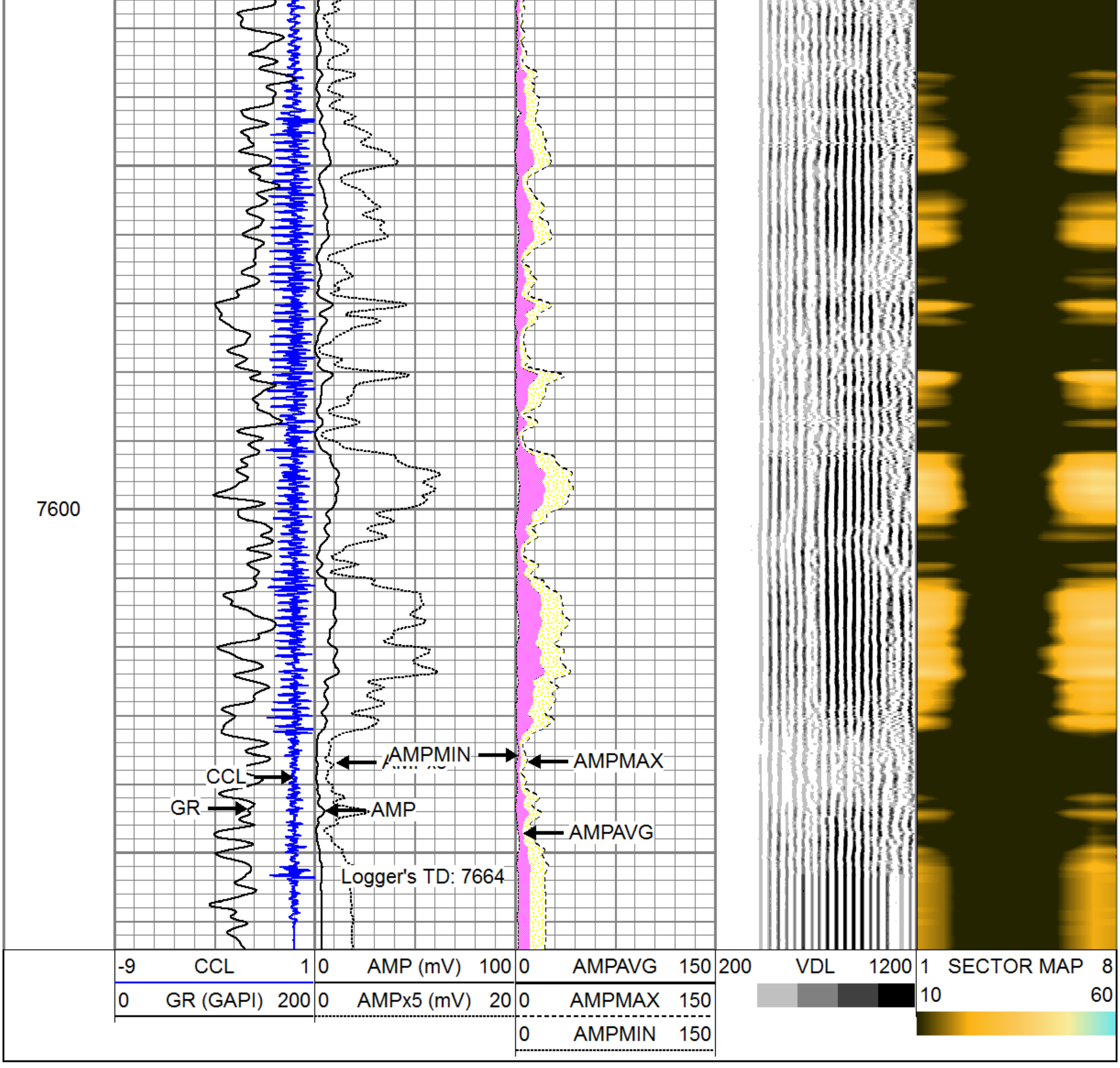

Calibration Report

Database File: 13608.db
Dataset Pathname: Final
Dataset Creation: Mon Jul 14 01:53:00 2014

Gamma Ray Calibration Report

Serial Number: 111205
Tool Model: probe 2.75
Performed: Sun Jul 13 23:33:42 2014

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: 415.110 ft

Master Calibration, performed Sun Jul 13 23:49:03 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.012	0.861	0.000	62.200	67.956	-0.359
CAL	0.012	1.015				
5'	0.012	0.934	0.000	62.200	71.897	-0.444
SUM						
S1	0.005	0.969	0.000	100.000	92.750	-0.663
S2	0.012	0.953	0.000	100.000	93.348	-0.727
S3	0.012	0.843	0.000	100.000	93.569	-0.582
S4	0.012	0.764	0.000	100.000	93.765	-0.413
S5	0.012	0.747	0.000	100.000	93.348	-0.429
S6	0.012	0.760	0.000	100.000	93.273	-0.437
S7	0.012	0.821	0.000	100.000	93.129	-0.782
S8	0.012	0.887	0.000	100.000	92.219	-0.260

Internal Reference Calibration, performed Tue Nov 21 12:42:07 2006:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.012	1.015	1.000	0.000

Air Zero Calibration, performed Thu Apr 24 09:23:40 2008:

	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