Company ENCANA OIL & GAS
Well MCCONAHAY 4C-34H-P266
Field WATTENBERG
County WELD
State CO

PIONEER
Pioneer Energy Services

RADIAL CEMENT BOND LOG WITH GAMMA RAY/CCL/VDL AND CEMENT MAP

Company ENCANA OIL & GAS
Well MCCONAHAY 4C-34H-P266
Field WATTENBERG
County WELD State CO

Location: API # : 05 123 37975 00
SEC 34 TWP 2N RGE 66W

Other Services

Permanent Datum	GROUND LEVEL	Elevation	Elevation
Log Measured From	KELLY BUSHING		K.B. 5090'
Drilling Measured From	KB=13'		D.F. 5090'
			G.L. 5077'

Date	29 JAN 2014
Run Number	ONE
Depth Driller	12098'
Depth Logger	7006'
Bottom Logged Interval	6996'
Top Log Interval	SURFACE
Open Hole Size	8.75"
Type Fluid	DRILLING MUD
Density / Viscosity	11.2#
Max. Recorded Temp.	NA
Estimated Cement Top	520'
Time Well Ready	14:00
Time Logger on Bottom	14:50
Equipment Number	53
Location	FORT MORGAN
Recorded By	ANDREW BELGUM
Witnessed By	DAVE HILDRETH

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	1126'
Prot. String				
Production String	7"	26	SURFACE	7898'
Liner	4.5"	13.5	7598'	12098'

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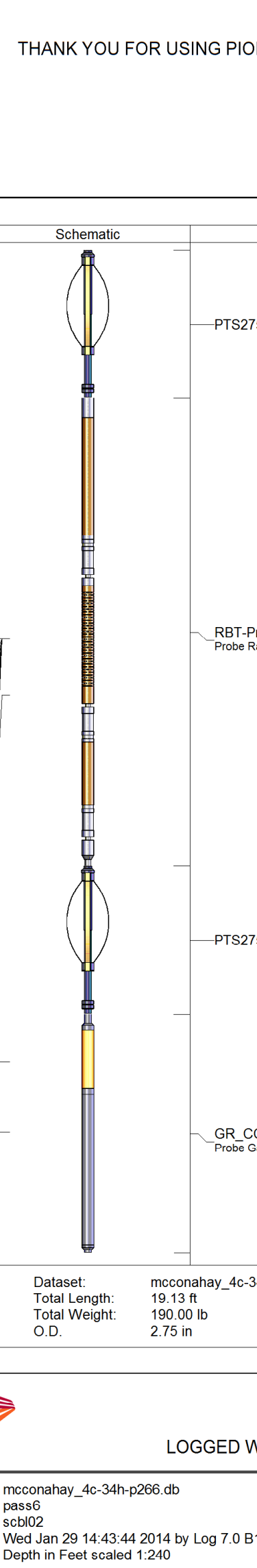
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 GR	3.63 2.30		GR_CCL-Probe (111211) Probe Gamma CCL	4.54	2.75	100.00

Dataset: mcconahay_4c-34h-p266.db: field/well/run1/pass6
Total Length: 19.13 ft
Total Weight: 190.00 lb
O.D. 2.75 in

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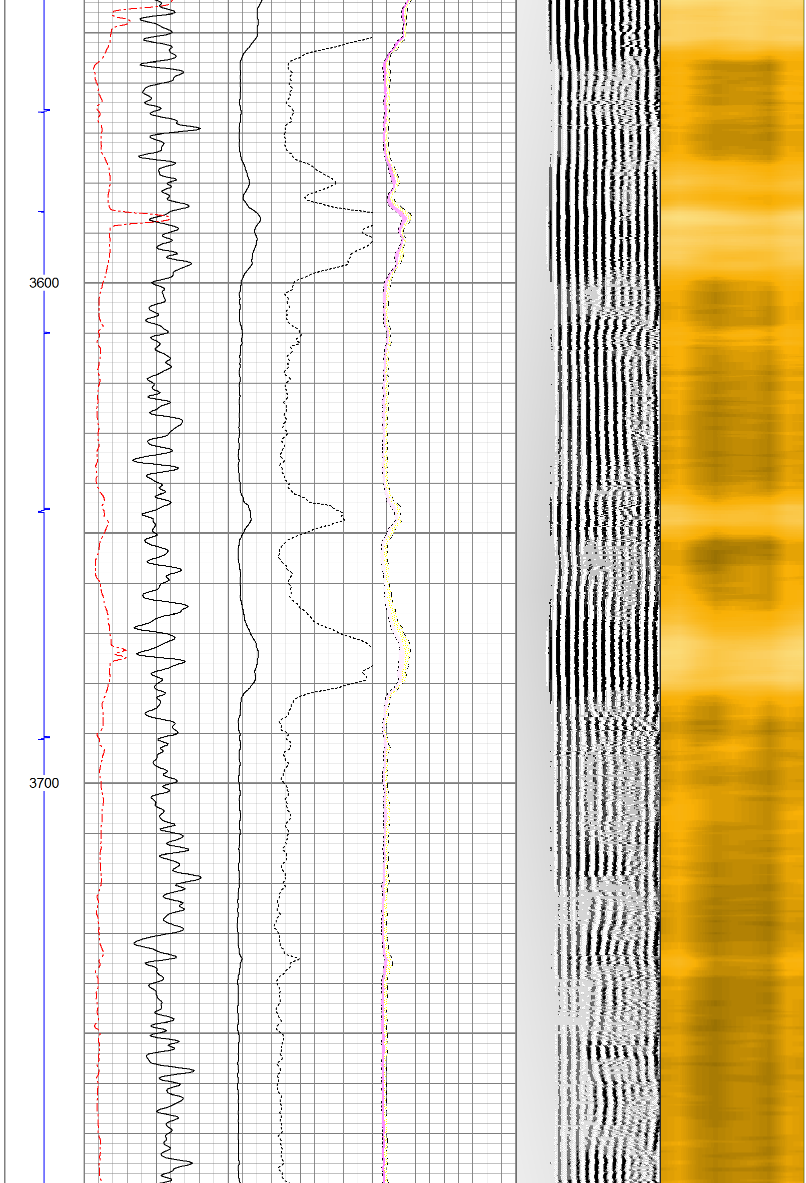
MAIN PASS

LOGGED WITH 0 PSI APPLIED AT SURFACE

Database File: mcconahay_4c-34h-p266.db
Dataset Pathname: pass6
Presentation Format: scbl02
Dataset Creation: Wed Jan 29 14:43:44 2014 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

-7 CCL 7	0 GR (GAPI) 200 360 TT (usec) 260	0 AMP (mV) 100 0 AMPx5 (mV) 20	0 AMPAVG 150 0 AMPMAX 150 0 AMPMIN 150	200 VDL 1200	1 SECTOR MAP 8 0 100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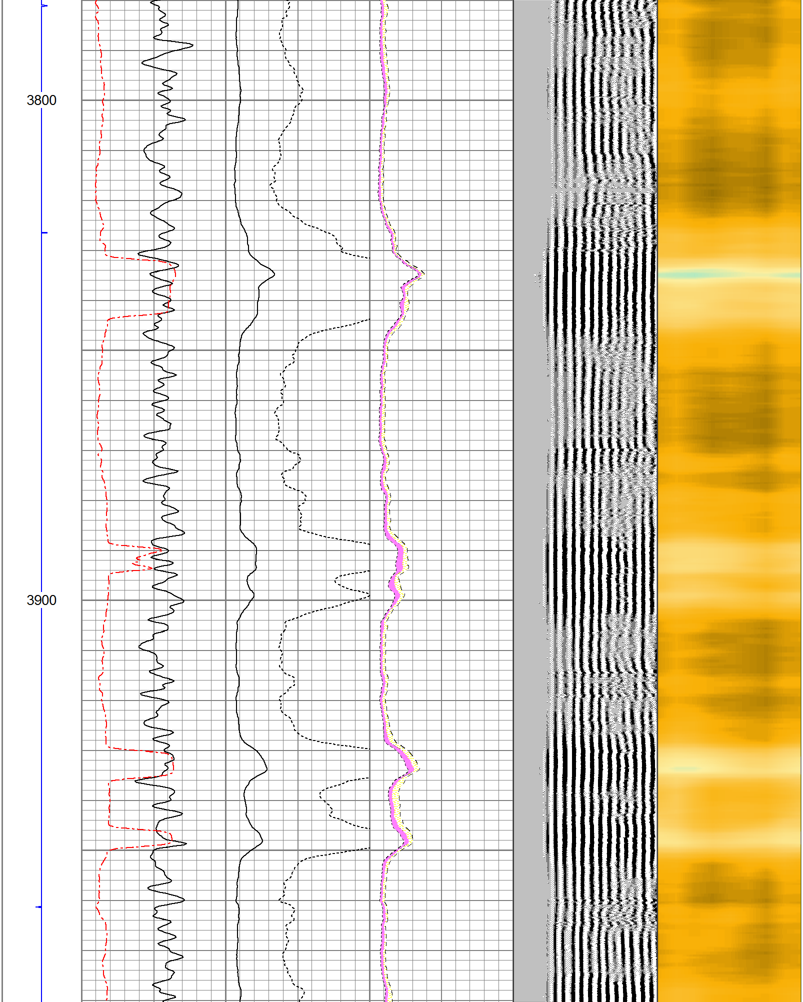
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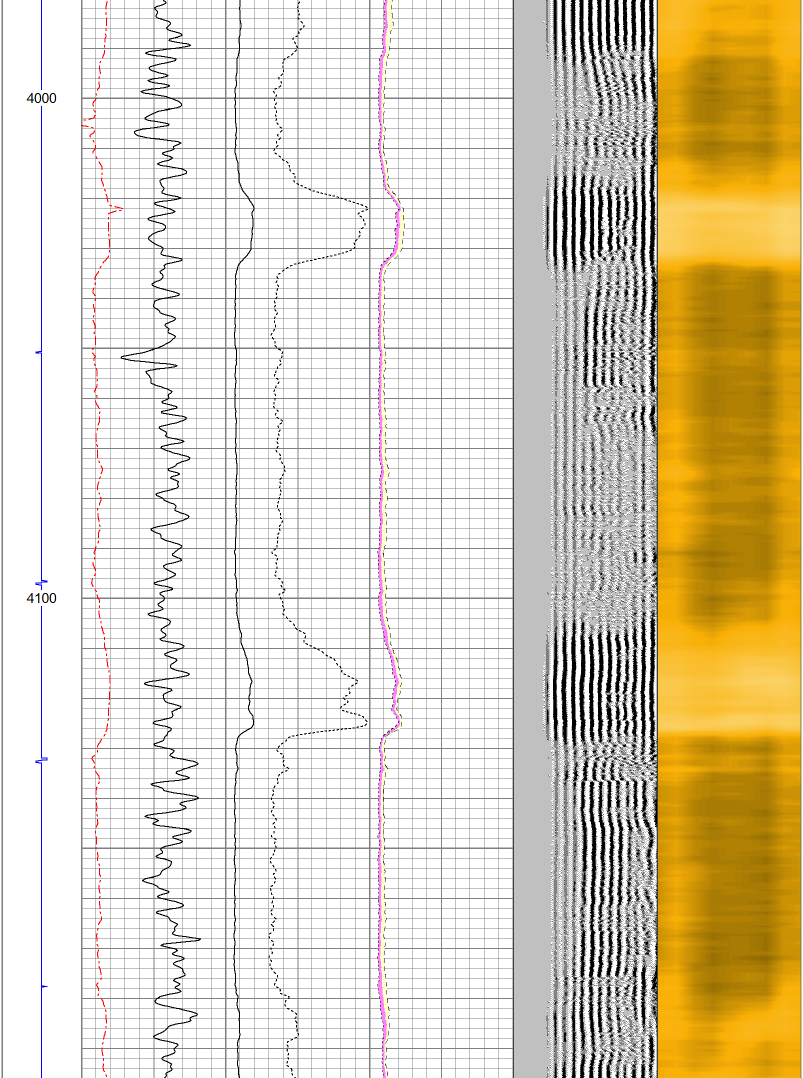
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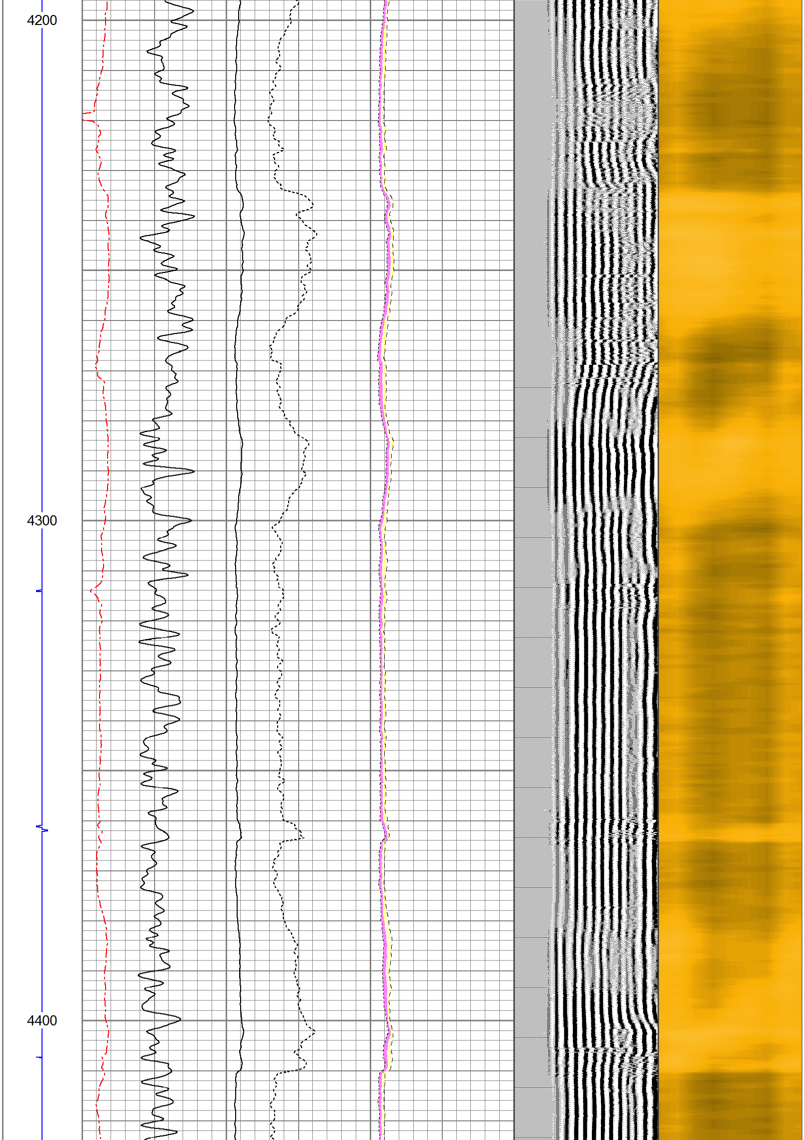
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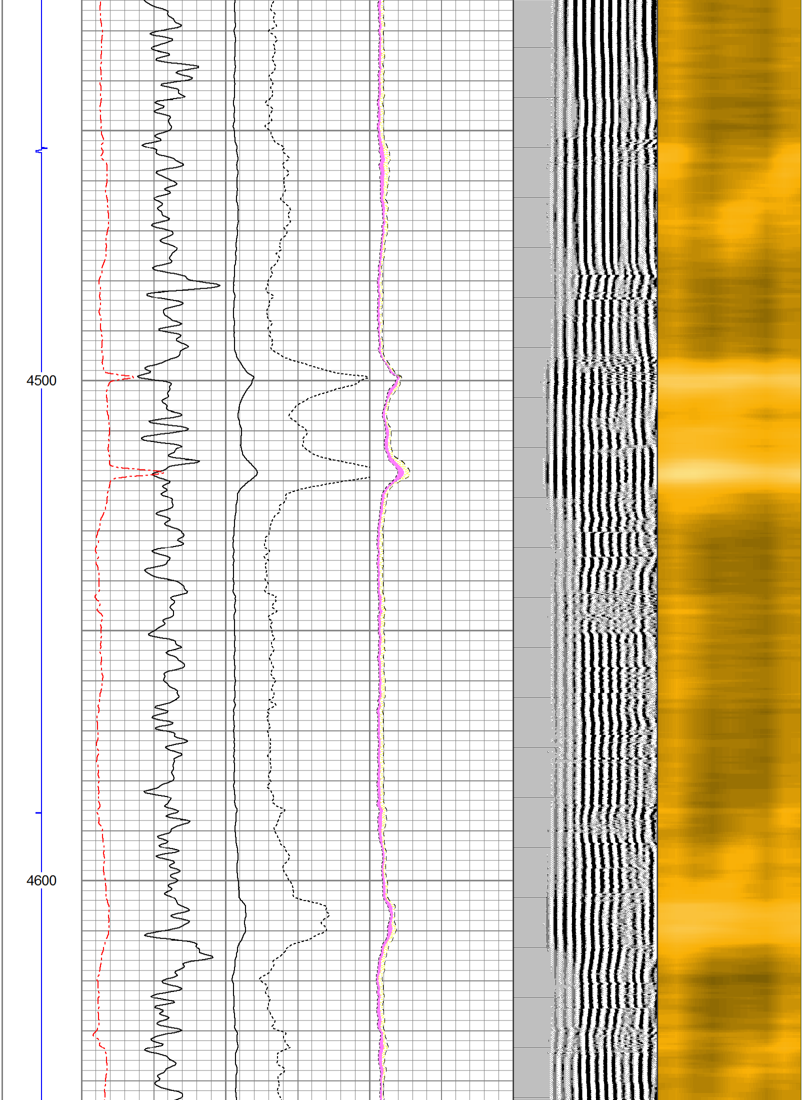
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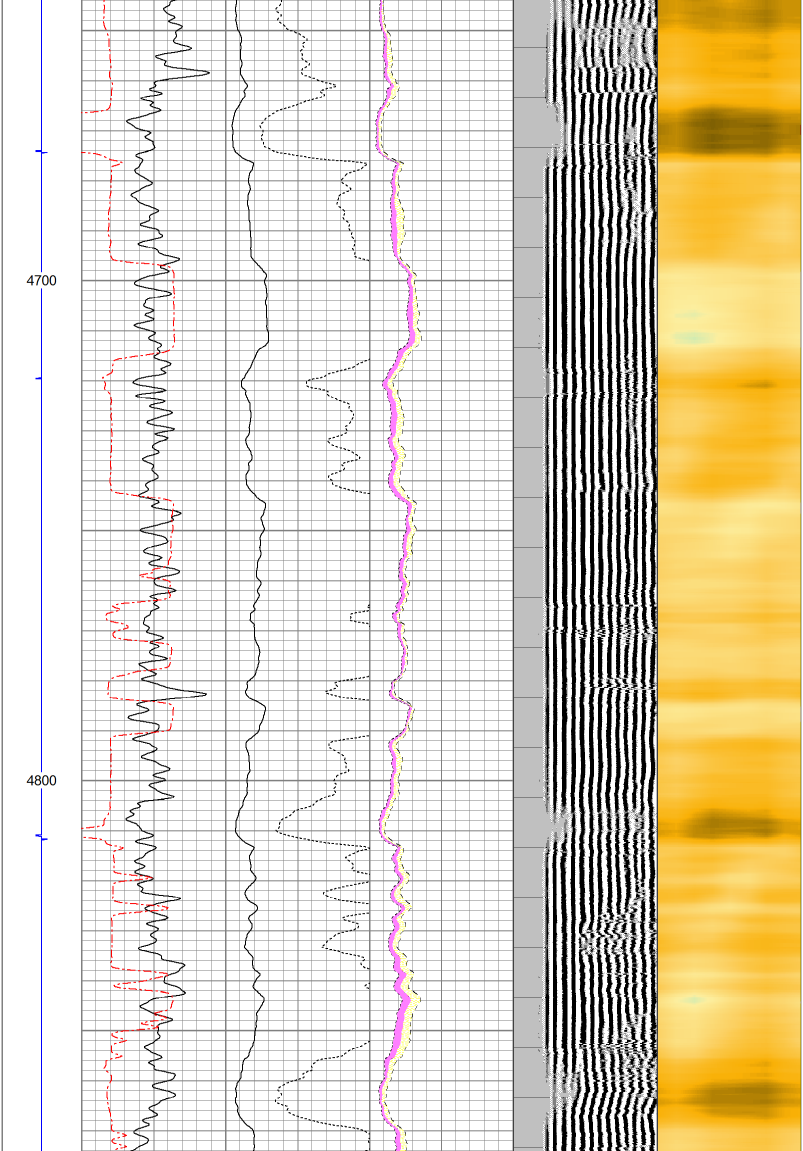
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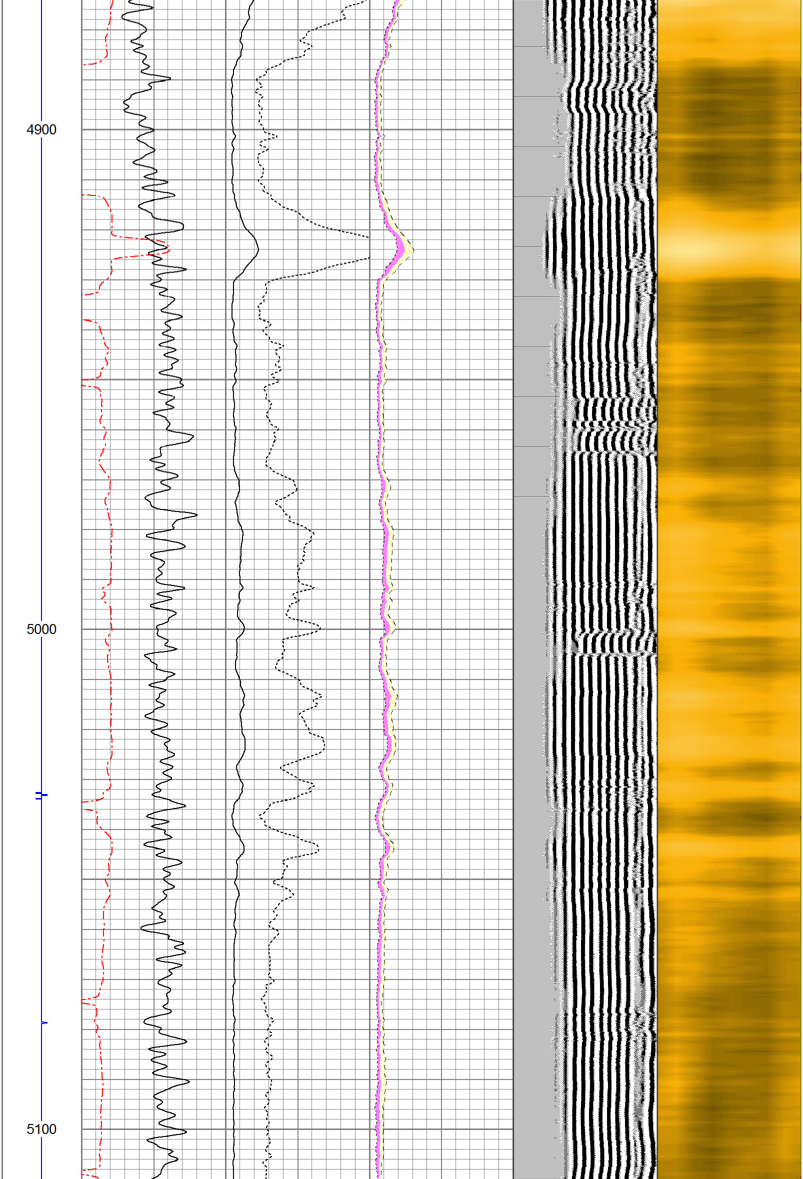
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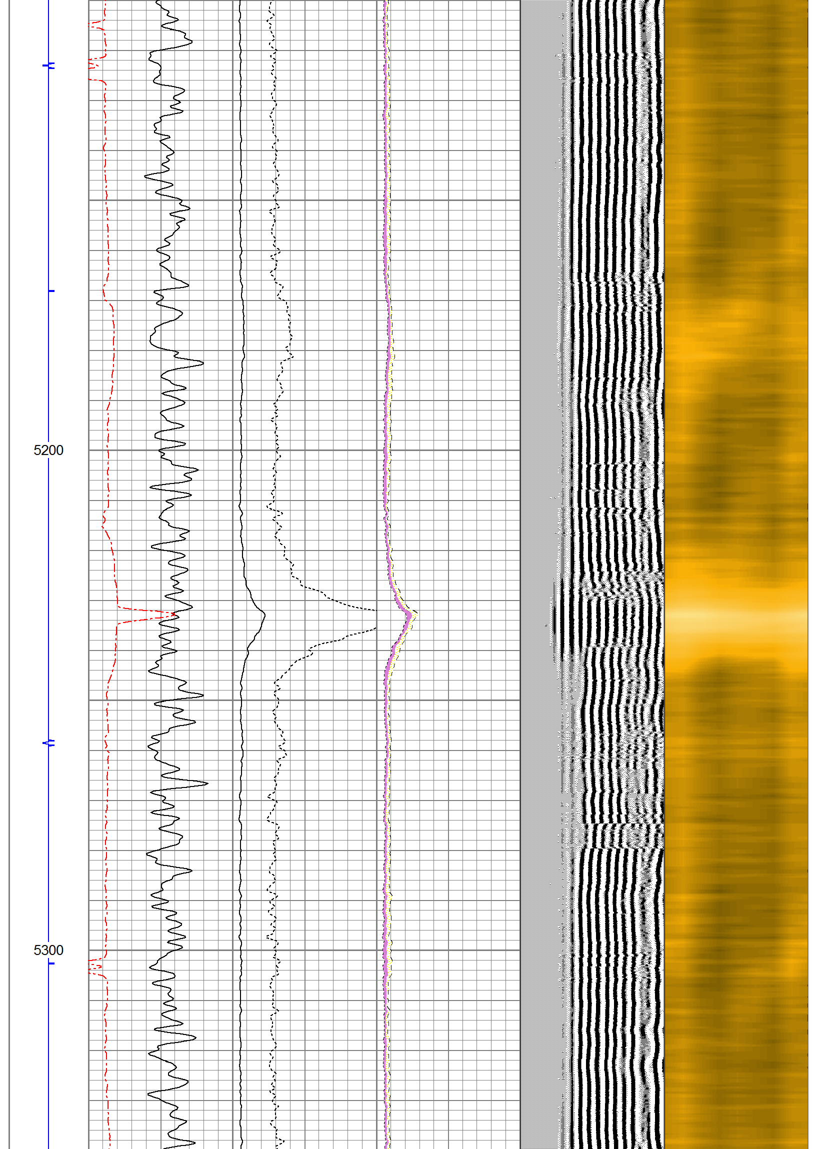
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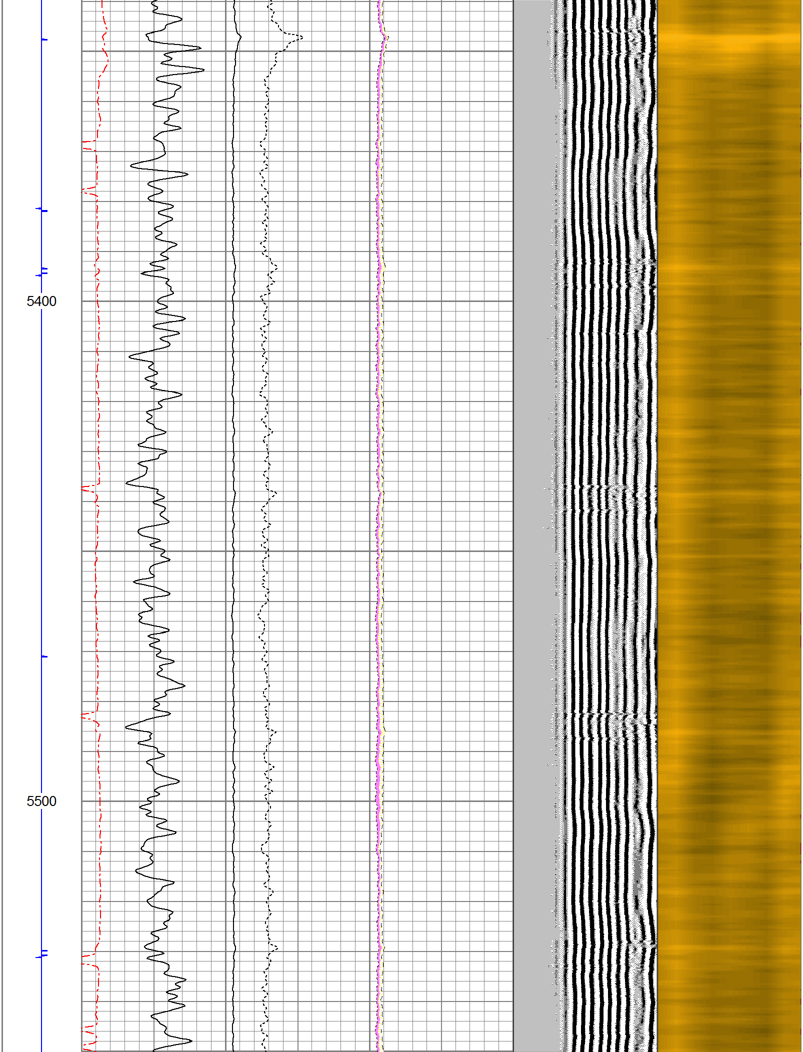
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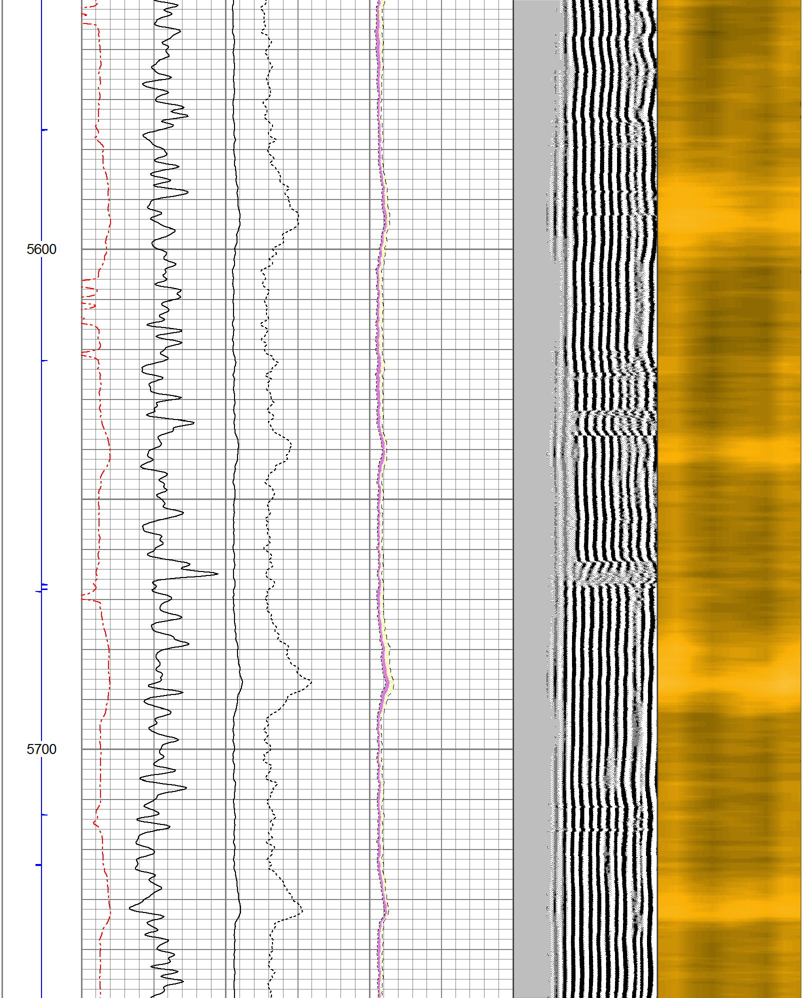
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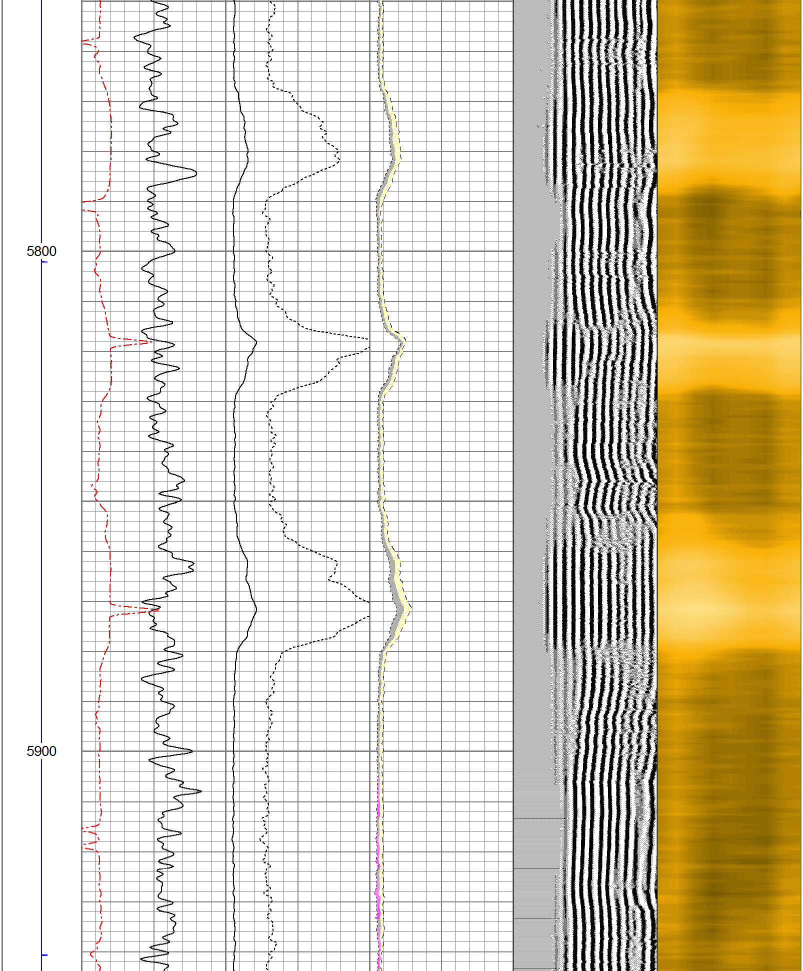
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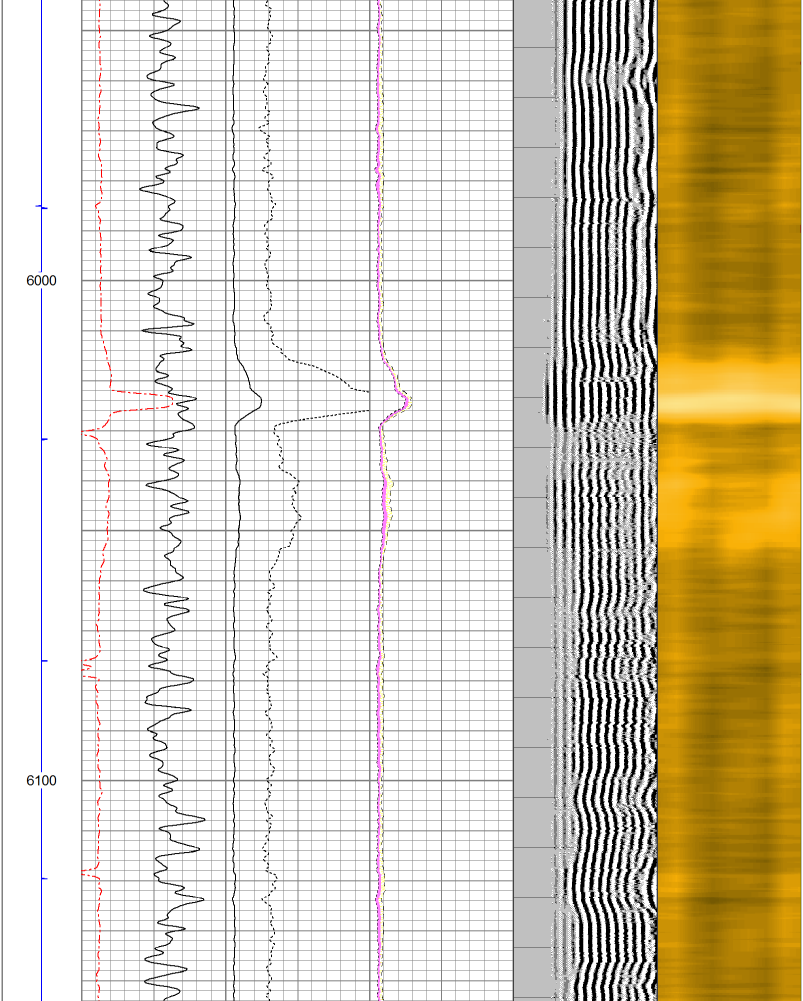
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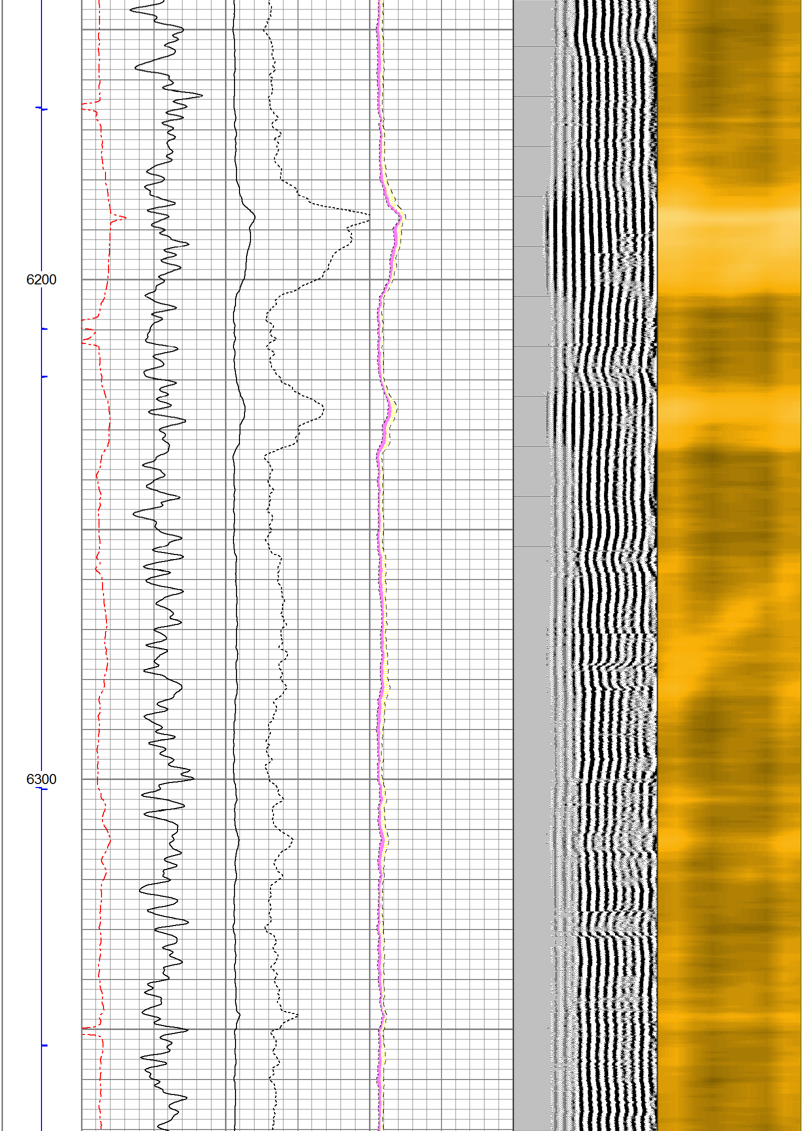
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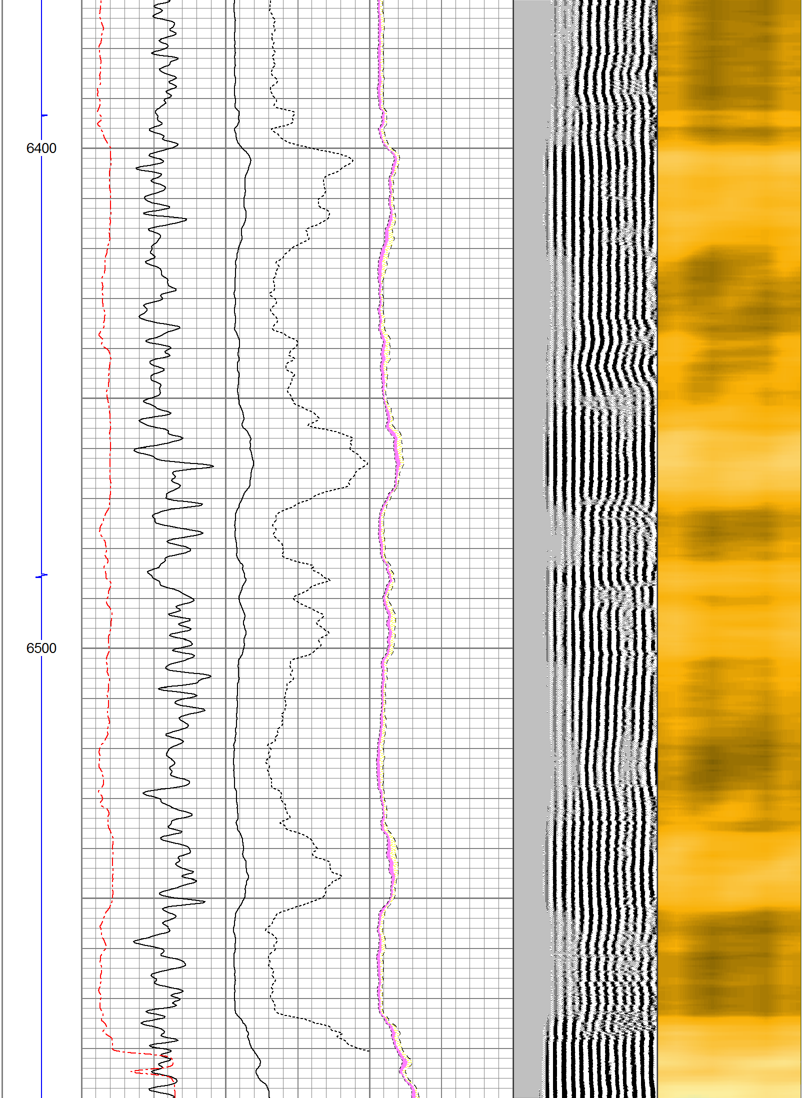
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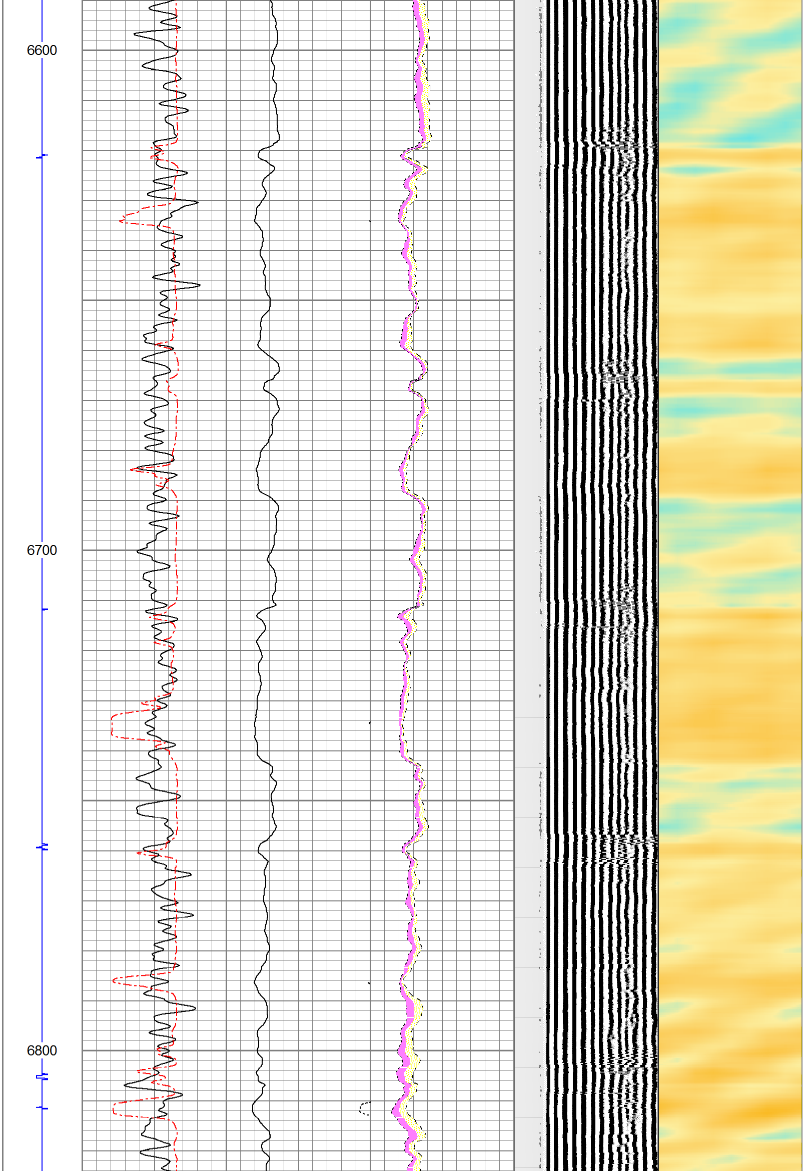
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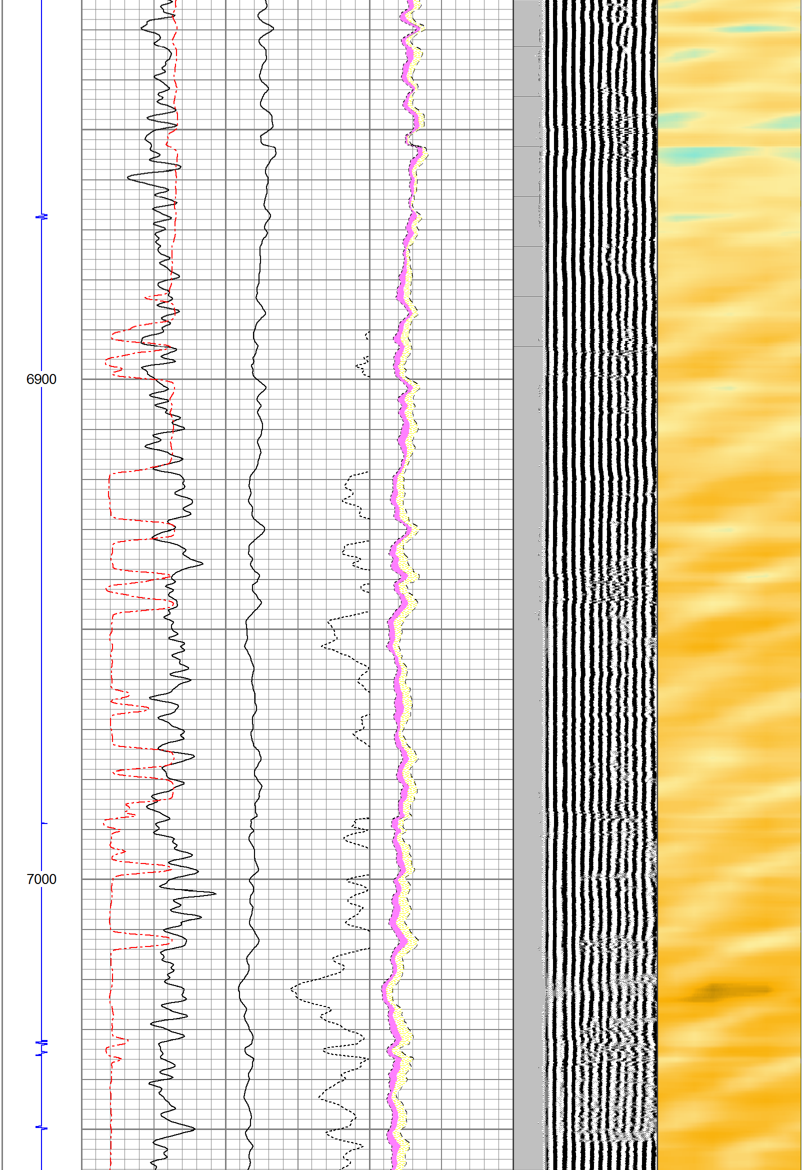
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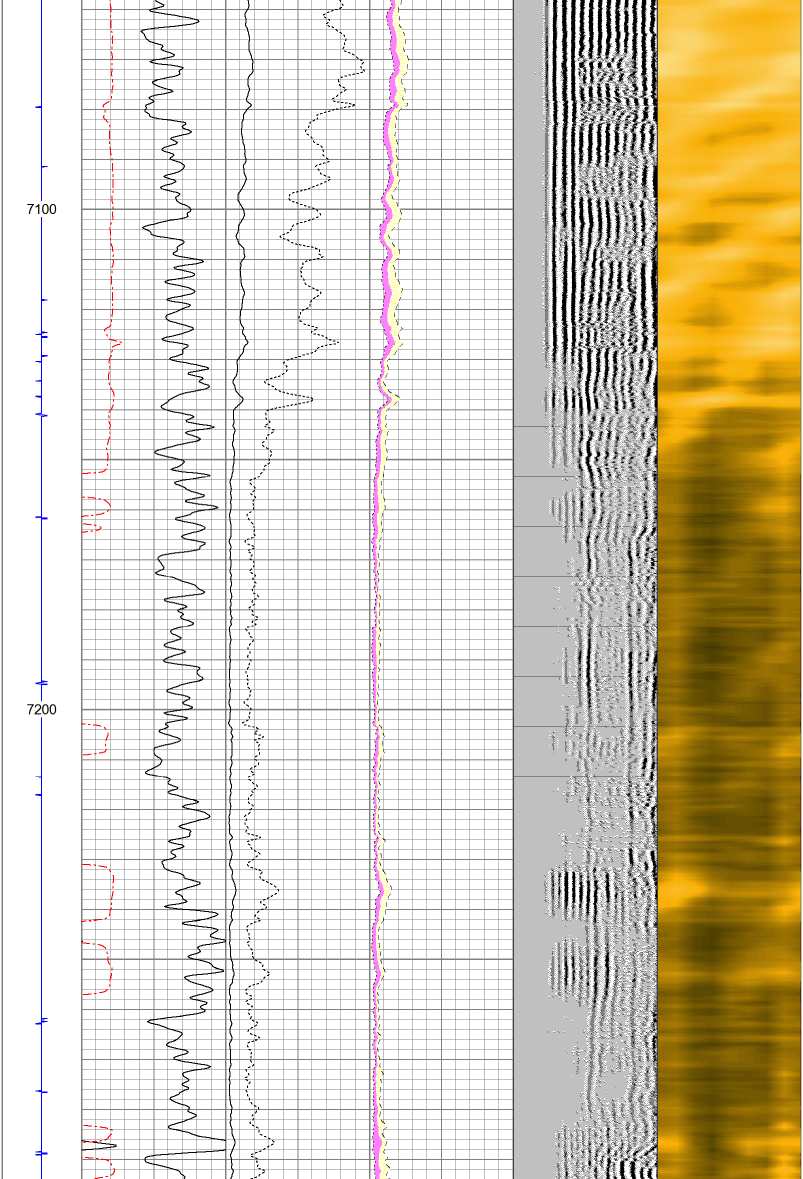
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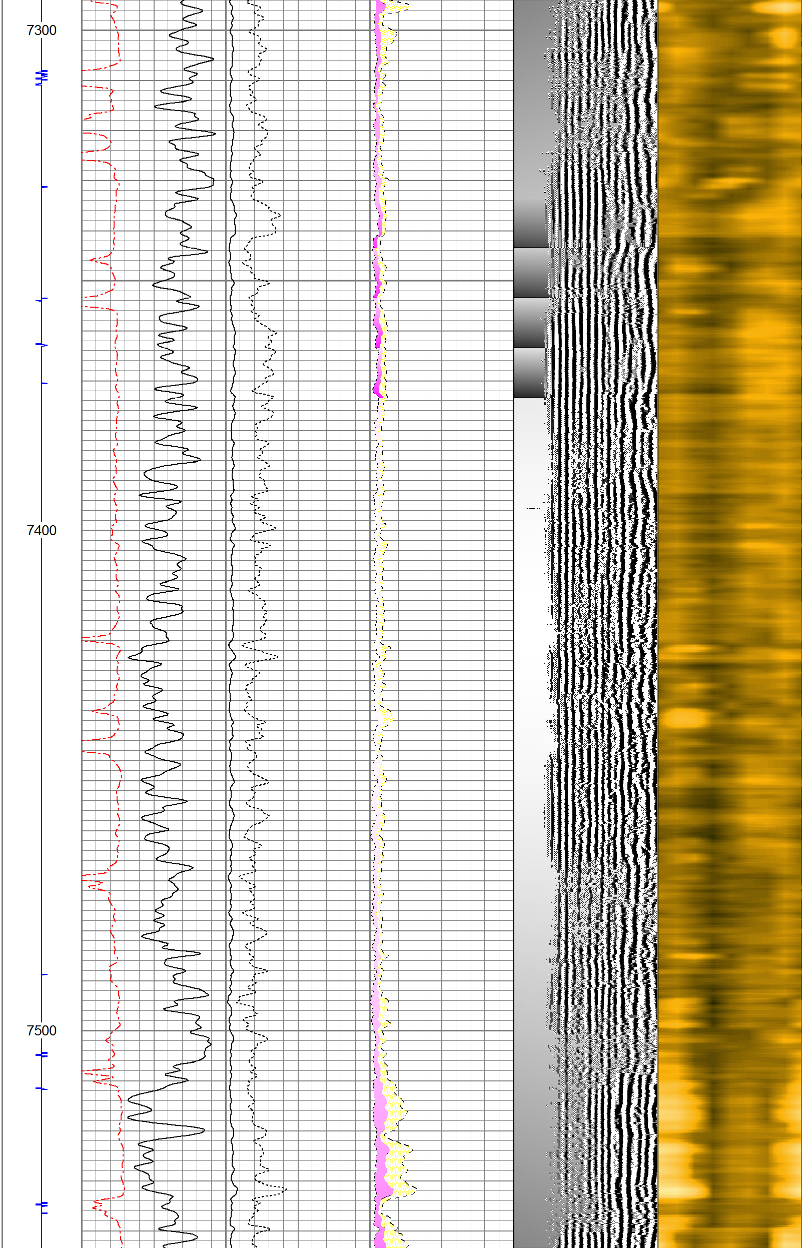
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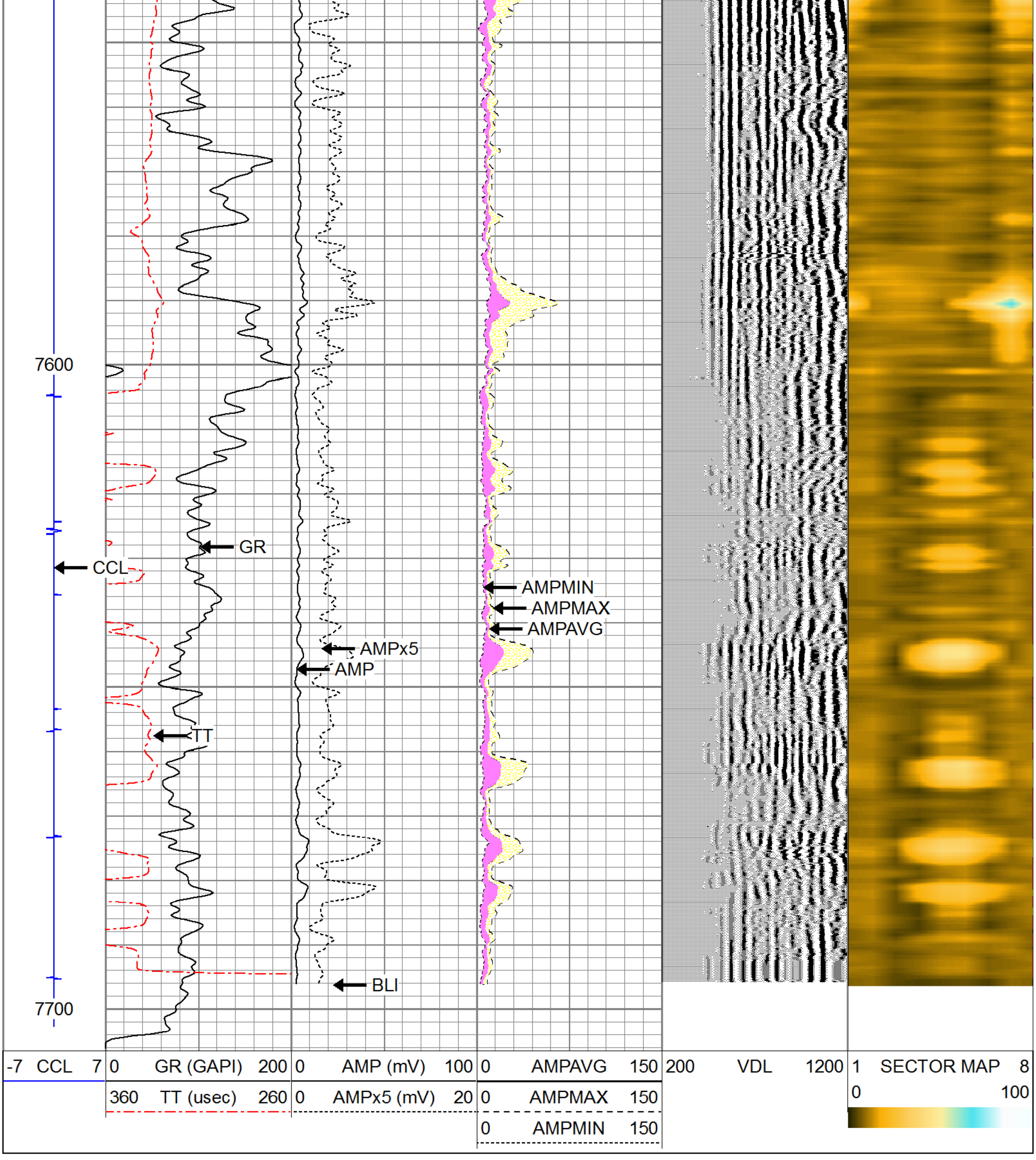

Calibration Report

Database File: mcconahay_4c-34h-p266.db
Dataset Pathname: pass6
Dataset Creation: Wed Jan 29 14:43:44 2014 by Log 7.0 B1

Gamma Ray Calibration Report

Serial Number:	111211	
Tool Model:	Probe	
Performed:	Fri Nov 08 12:58:35 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:	205.033	ft

Master Calibration, performed Wed Jan 29 14:18:20 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.014	0.792	2.000	62.000	74.403	3.048
CAL	1.000	0.992				
5'	0.164	0.768	2.000	62.000	99.411	-14.341
SUM						
S1	-0.068	0.770	0.000	95.000	113.411	7.661
S2	-0.077	0.802	0.000	95.000	108.175	8.281
S3	-0.042	0.836	0.000	95.000	108.254	4.544
S4	-0.030	0.860	0.000	95.000	106.738	3.182
S5	-0.043	0.853	0.000	95.000	106.059	4.584
S6	-0.047	0.825	0.000	95.000	108.986	5.080
S7	-0.030	0.792	0.000	95.000	115.647	3.446
S8	-0.077	0.762	0.000	95.000	113.202	8.749

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	1.000	0.992	1.000	0.000

Air Zero Calibration, performed Sat Nov 09 07:23:33 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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