Company	BAYSWATER
Well	WINDSOR LV 21-14
Field	WATTENBURG
County	WELD
State	CO

PIONEER

Pioneer Energy Services

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

Company BAYSWATER
Well WINDSOR LV 21-14
Field WATTENBURG
County WELD State CO

Location: API #: 05-123-38178
SEC 14 TWP 6N RGE 67W

Other Services

Permanent Datum GROUND LEVEL Elevation 4845'
Log Measured From KELLY BUSHING KB=13'
Drilling Measured From

Elevation
K.B. 4857
D.F. 4857
G.L. 4844

Date	8 JAN 14
Run Number	ONE
Depth Driller	7978'
Depth Logger	7838'
Bottom Logged Interval	7829'
Top Log Interval	SURFACE
Open Hole Size	8.75"
Type Fluid	WATER
Density / Viscosity	8.34
Max. Recorded Temp.	NA
Estimated Cement Top	
Time Well Ready	14:00
Time Logger on Bottom	14:40
Equipment Number	1
Location	FORT MORGAN
Recorded By	A. BELGUM
Witnessed By	S. SEARS

Borehole Record

Run Number	Bit	From	To

Tubing Record

Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8.625"	24	SURFACE	732'
Prot. String				
Production String	4.5"	11.6	SURFACE	7502'
Liner				

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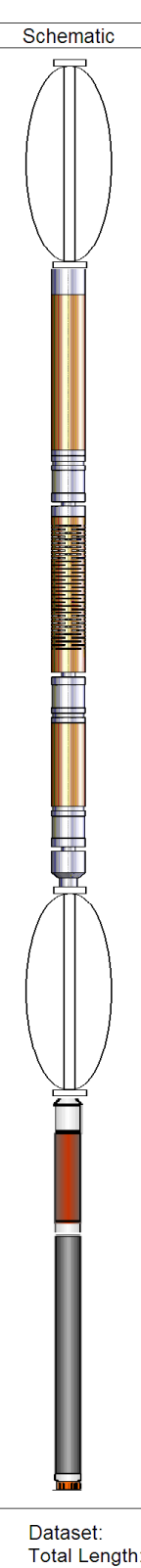
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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
LOG CORRELATED TO PIONEER OPEN HOLE LOG 12/2/13

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			SDSCENT Centralizer for testing	3.00	3.25	20.00
WVF3	12.83		CBL-Probe (050215) Probe 2.75" Dual Receiver Bond	8.75	2.75	60.00
WVF5	11.83					
			SDSCENT Centralizer for testing	3.00	3.25	20.00
CCL	4.56		CCL-titan01 (01t)	1.92	2.75	
GR	1.13		GR-probe 2.75 (51013)	3.67	2.75	100.00

Dataset: windsor_lv-21-14.db: field/well/run1/pass7
Total Length: 20.33 ft
Total Weight: 200.00 lb
O.D. 3.25 in

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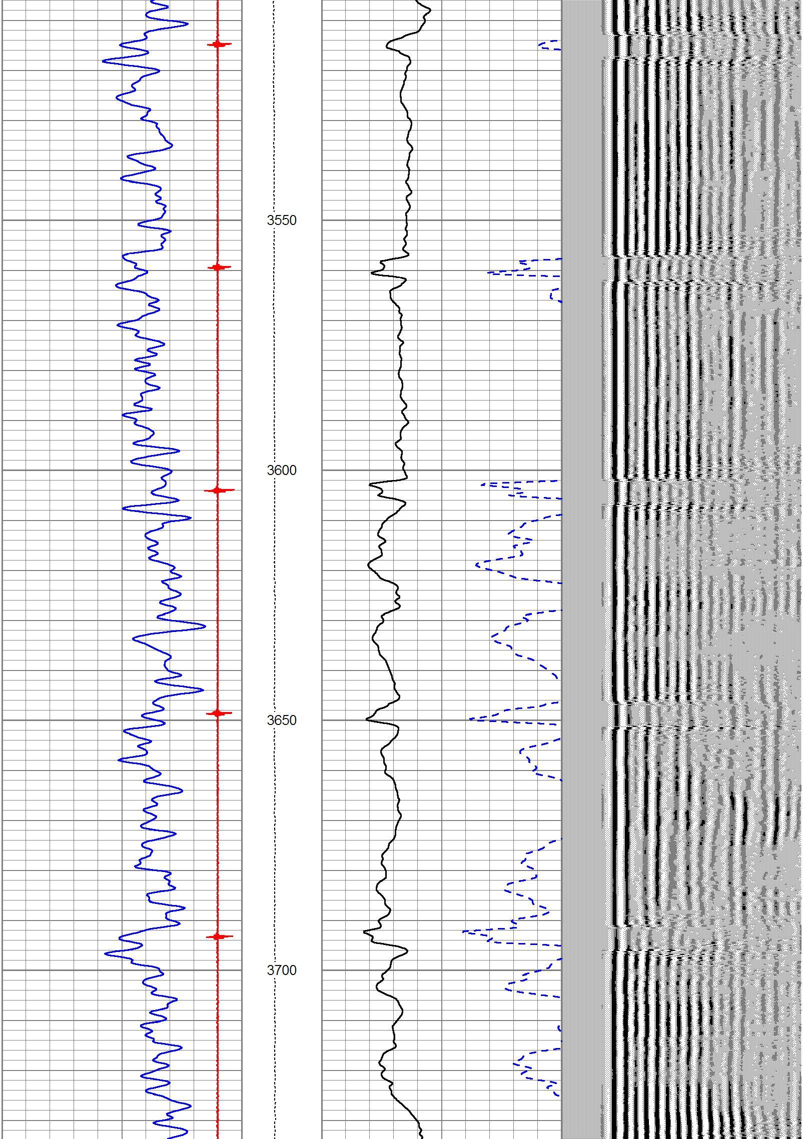
MAIN PASS

LOGGED WITH 0 PSI APPLIED AT SURFACE

Database File: windsor_lv-21-14.db
Dataset Pathname: pass7
Presentation Format: cbl_dr
Dataset Creation: Wed Jan 08 14:54:28 2014 by Log SCH 120126
Charted by: Depth in Feet scaled 1:240

18	Collar Locator	-2	Line Tension	0	Amplified Amplitude (mV)	30	200	Variable Density	1200
0	Gamma Ray (GAPI)	200	0	(lb 2000	0	Amplitude (mV)	100		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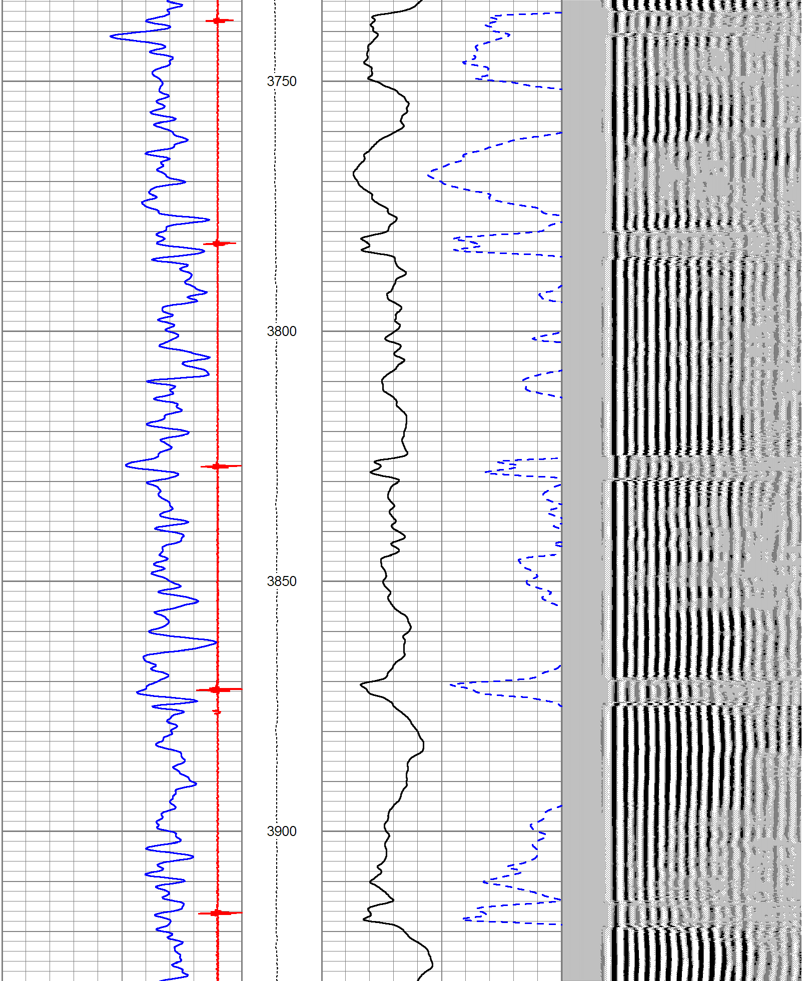
3700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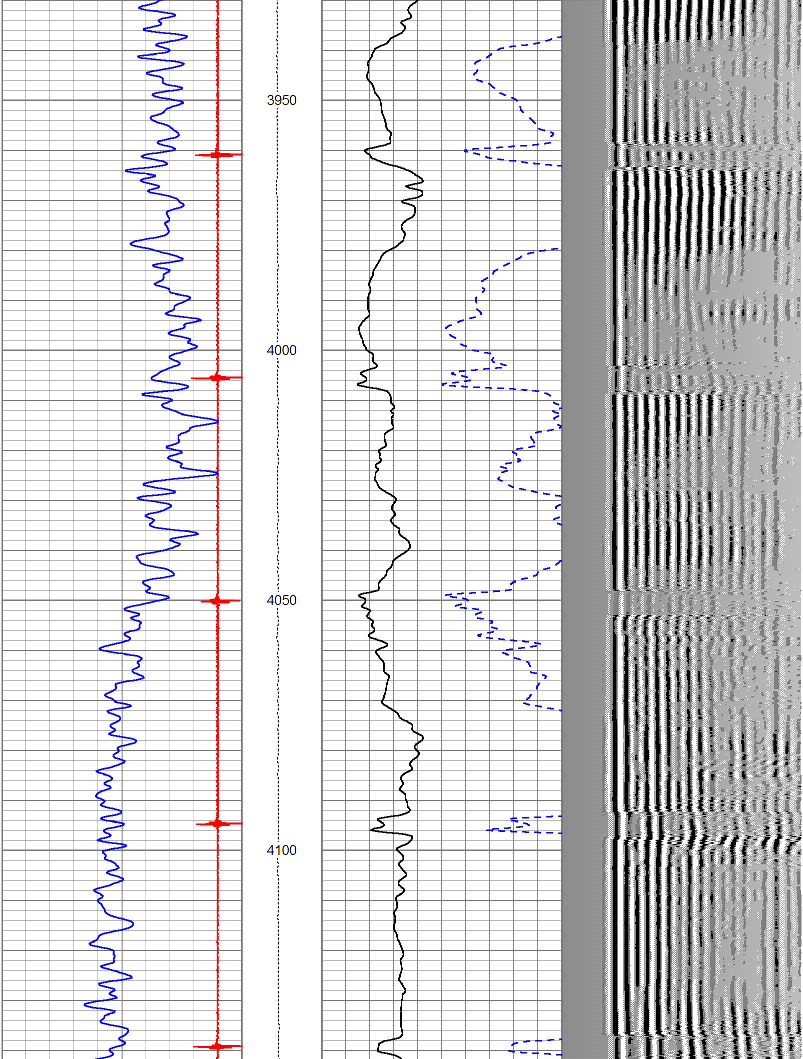
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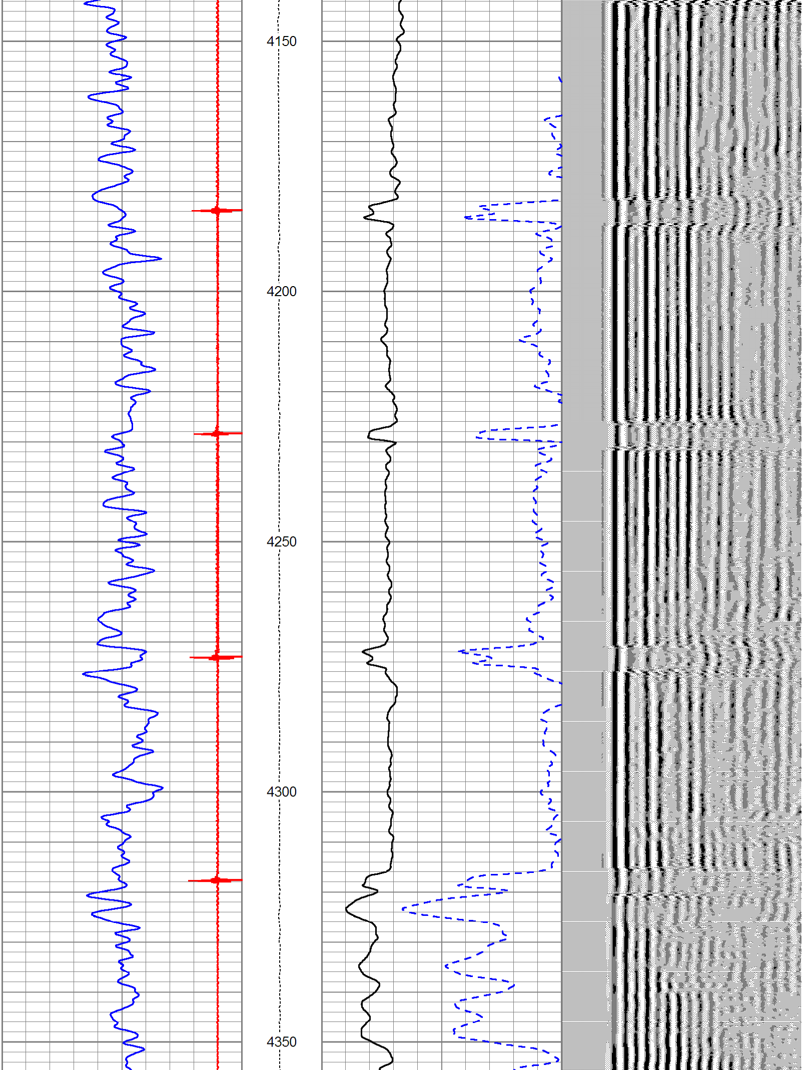
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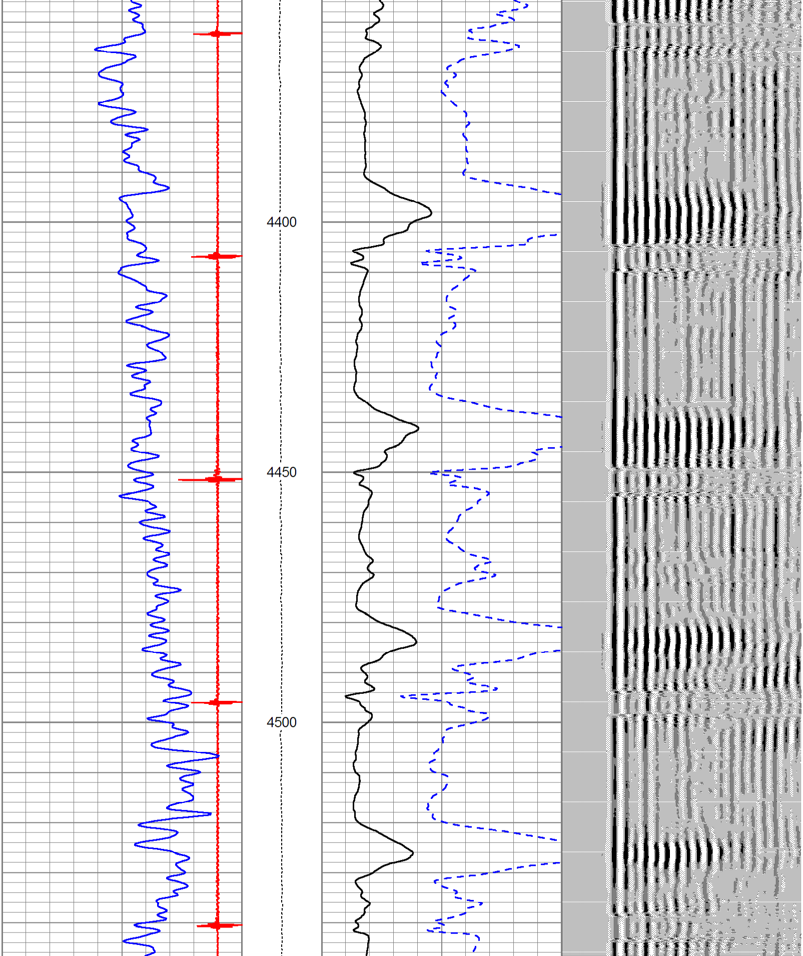
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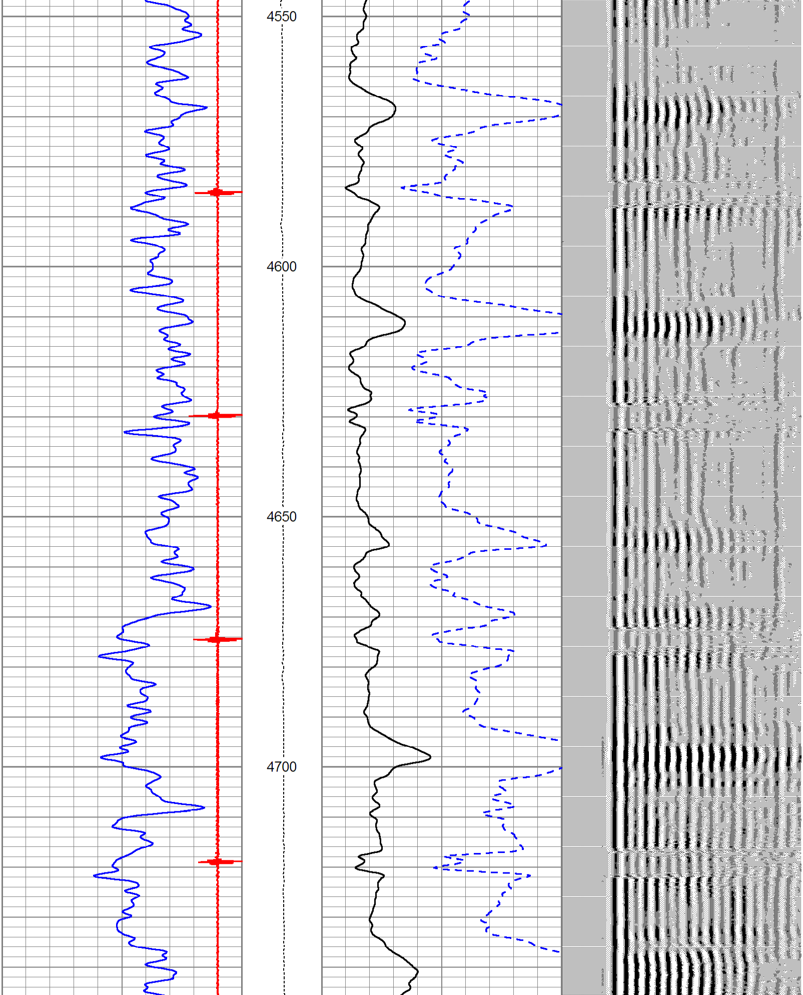
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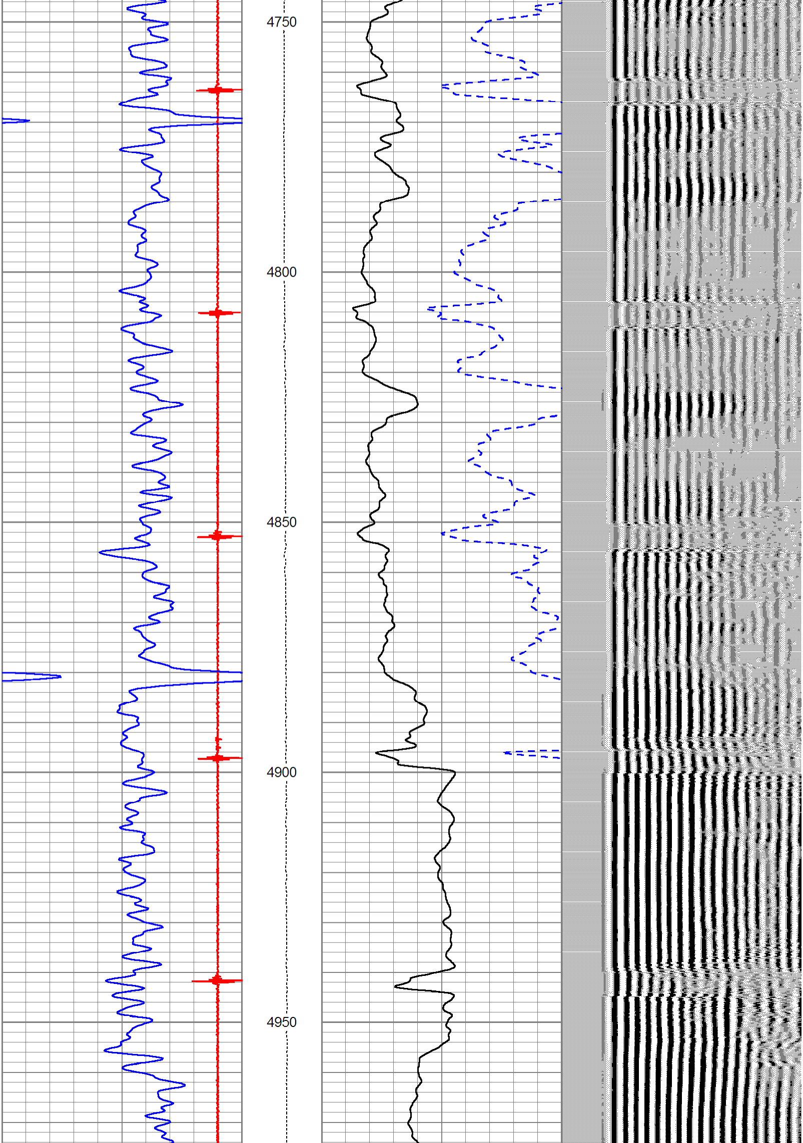
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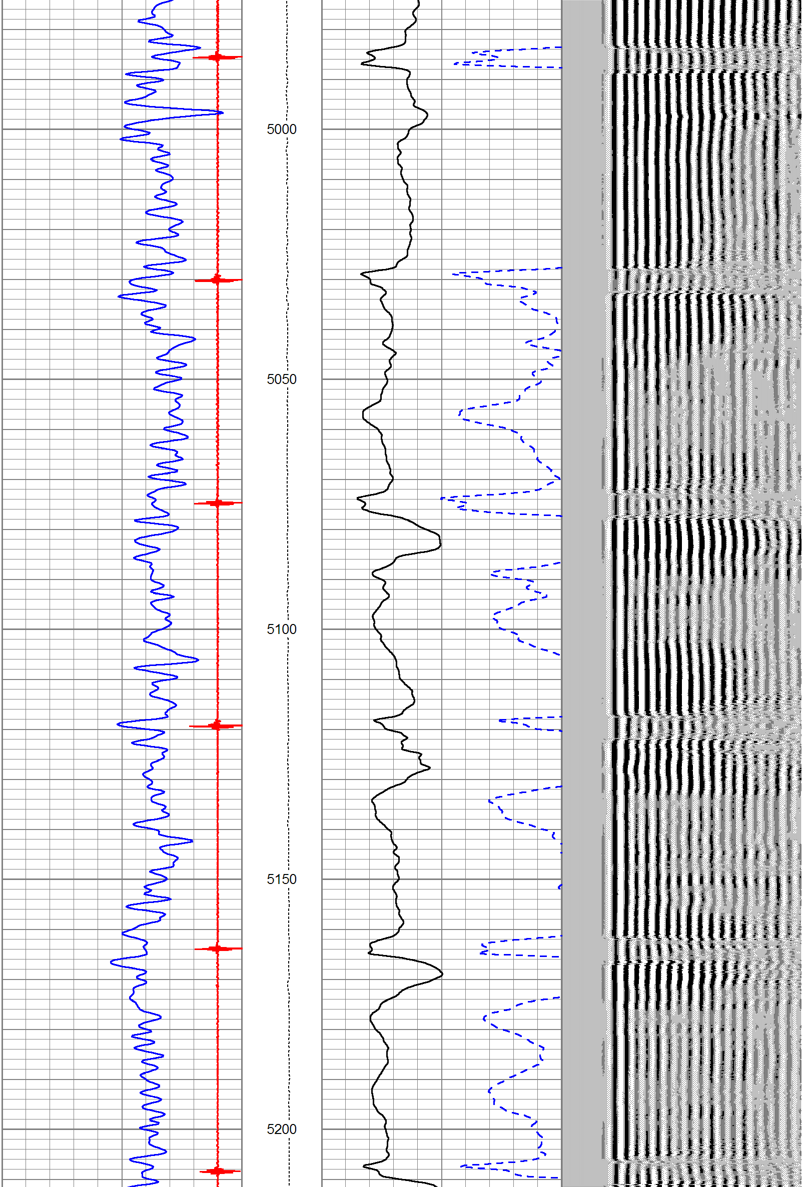
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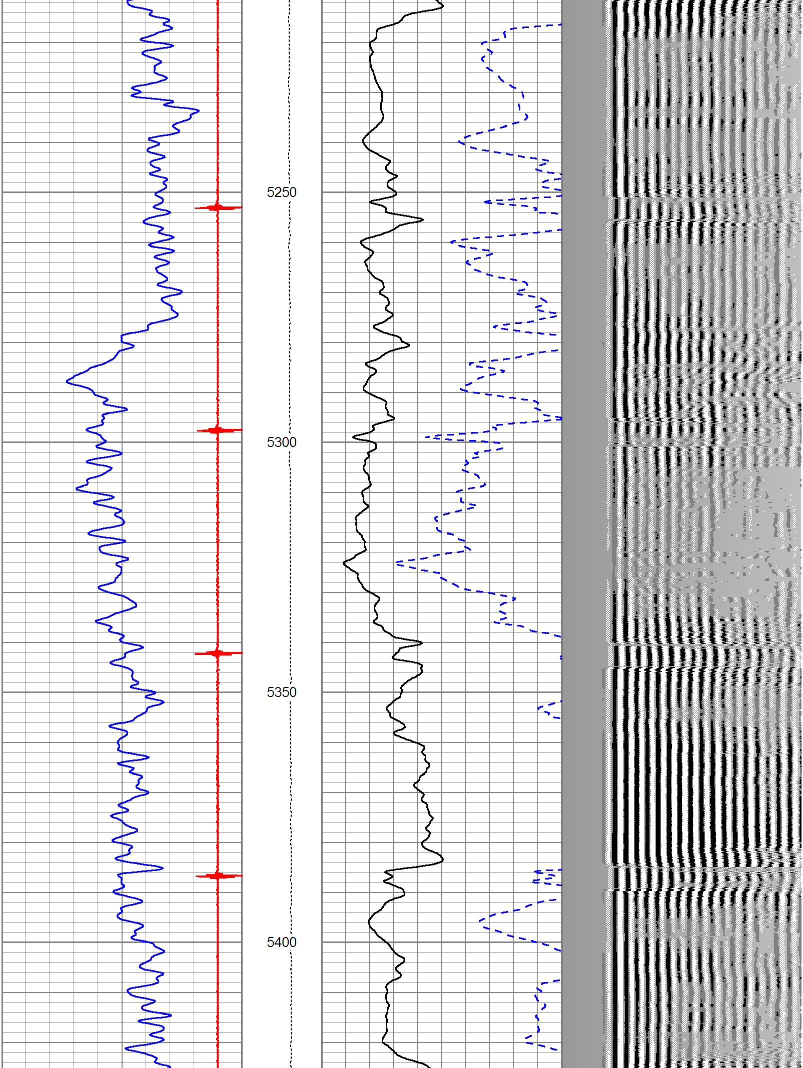
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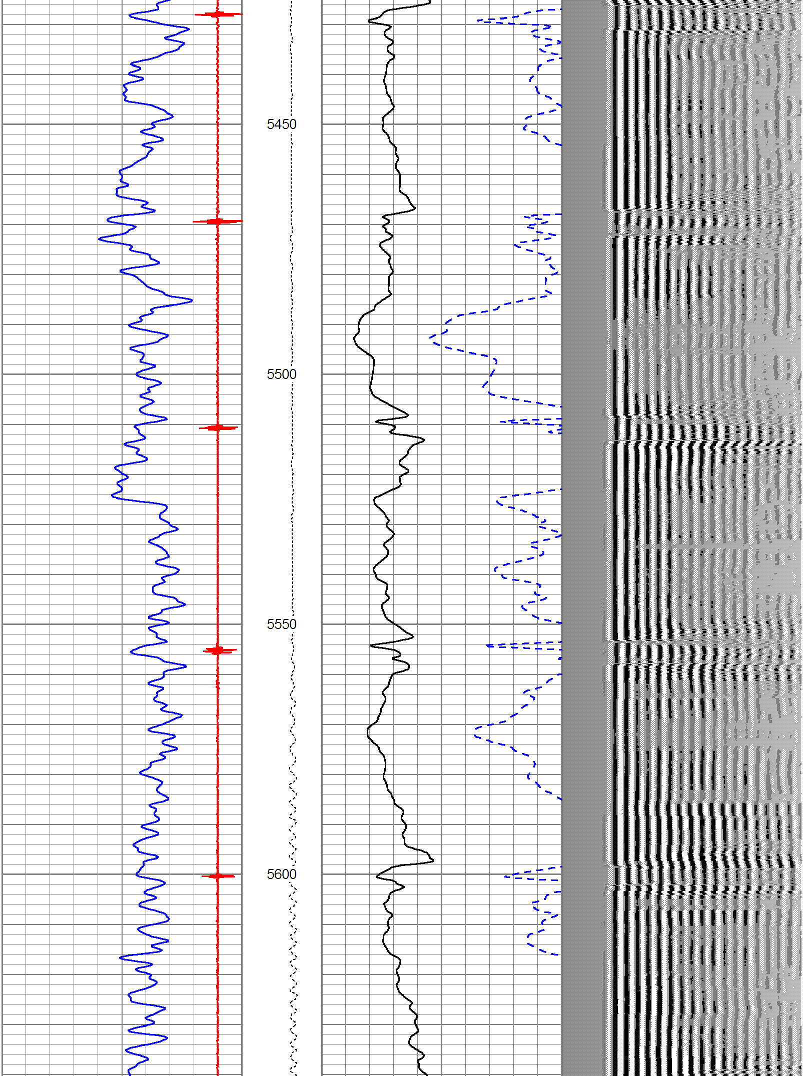
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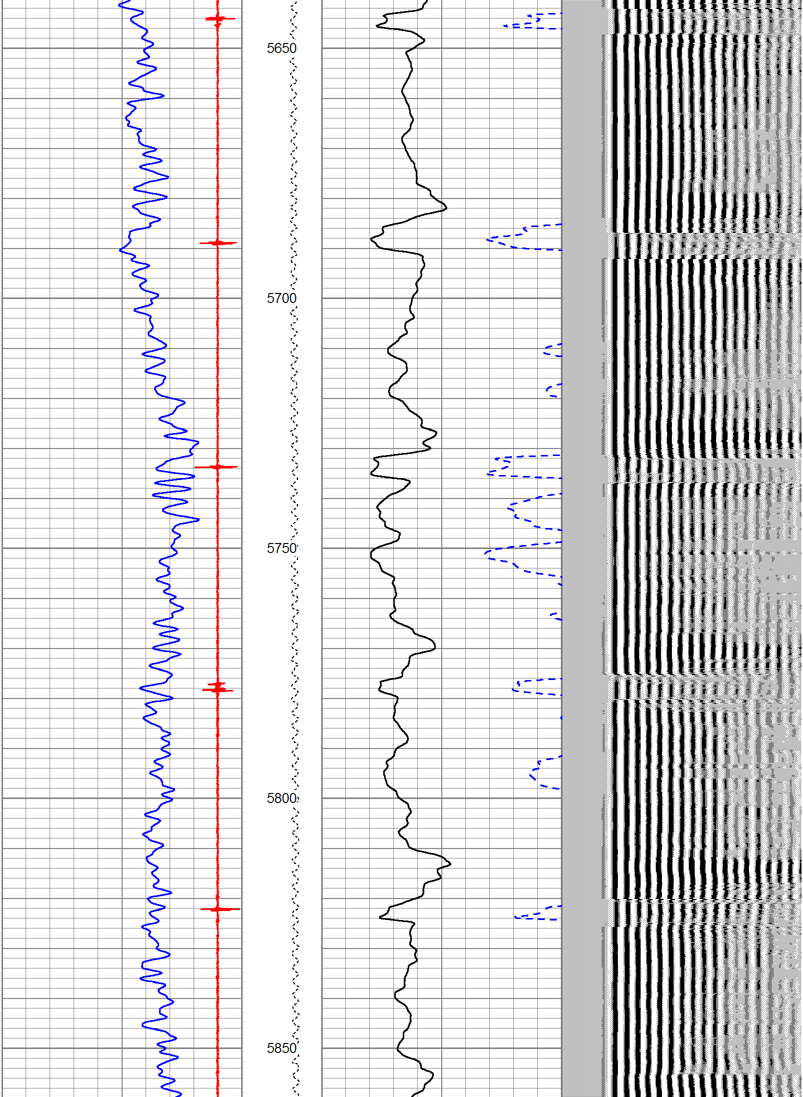
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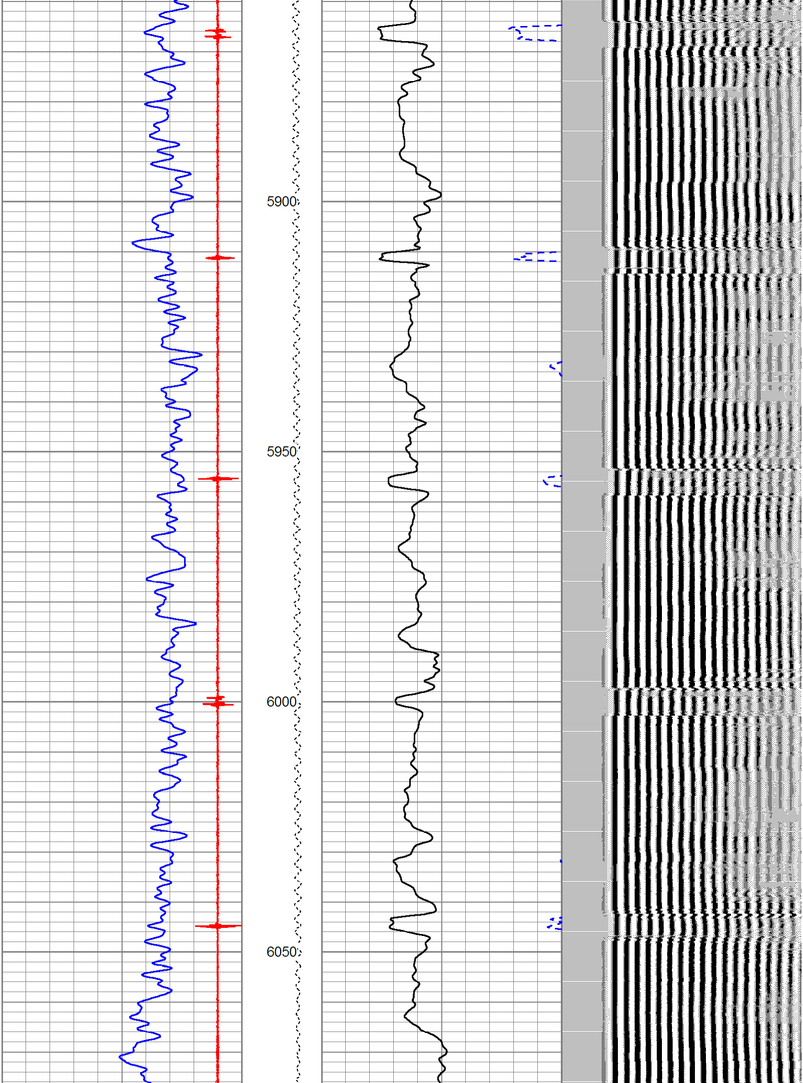
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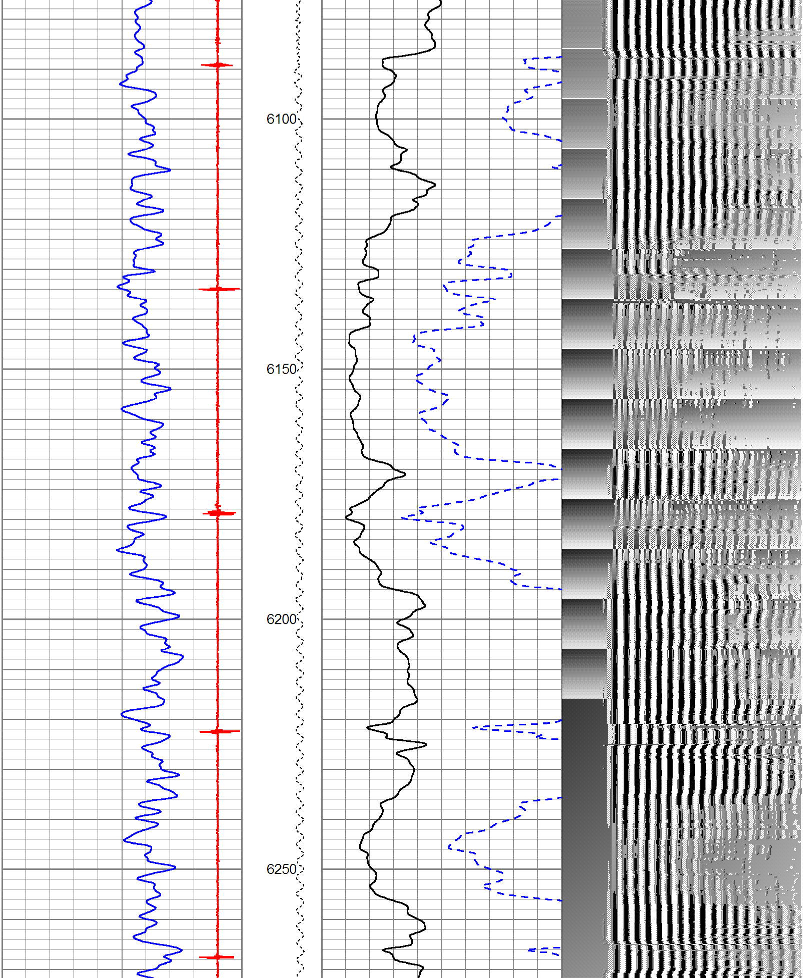
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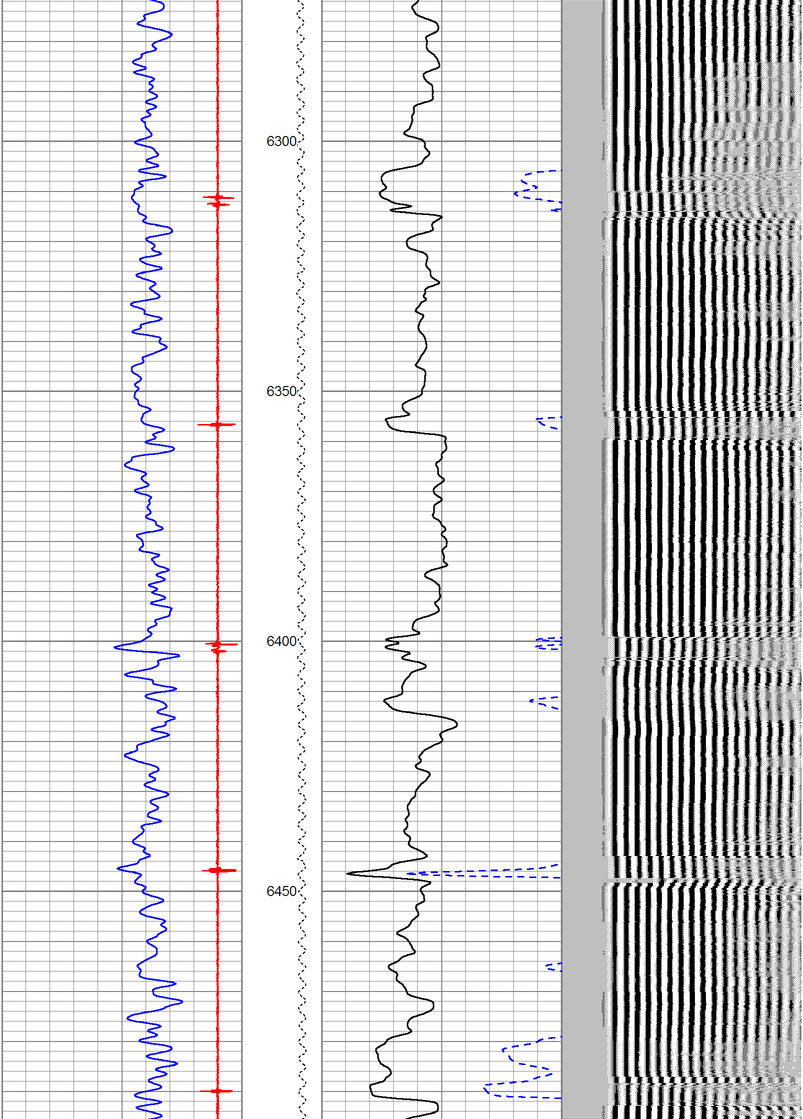
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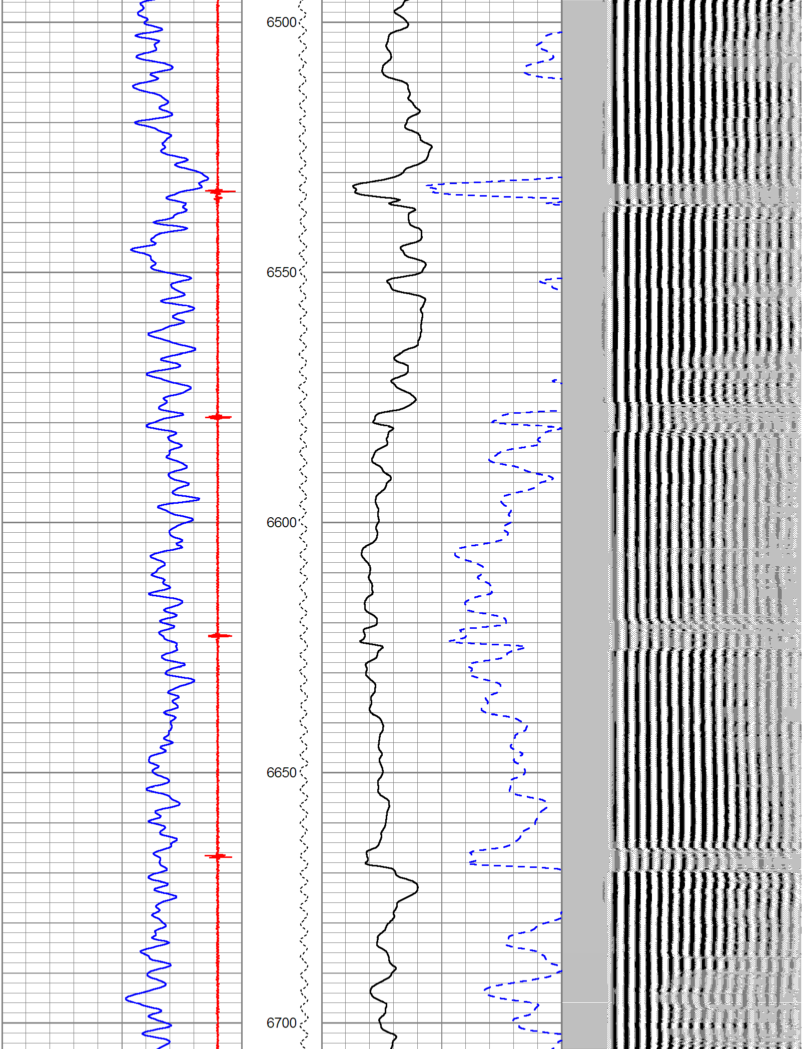
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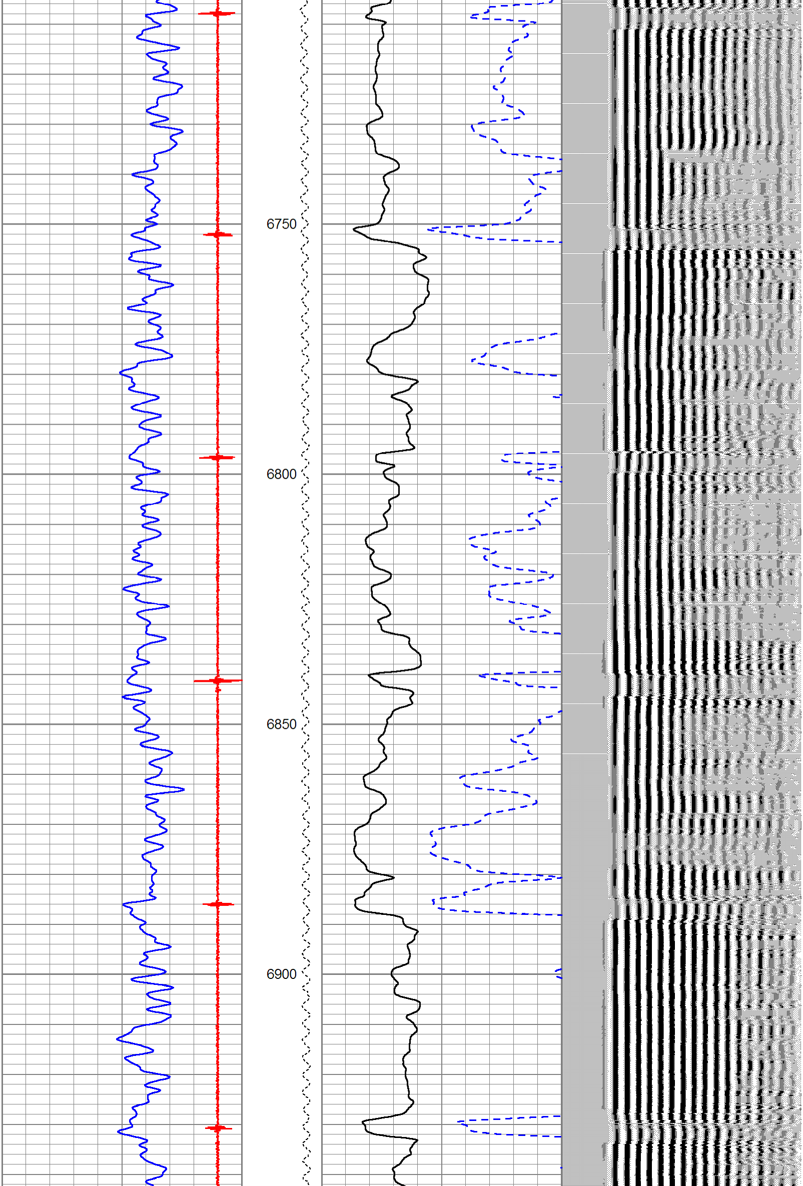
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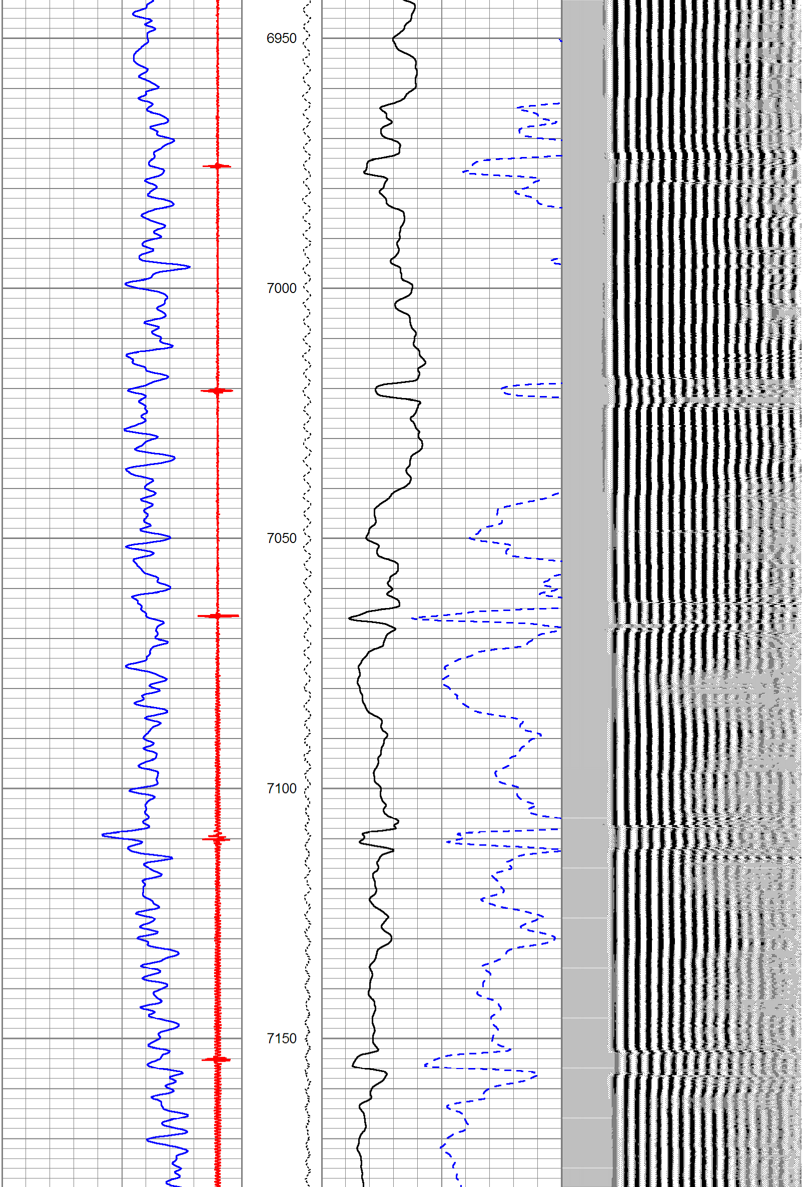
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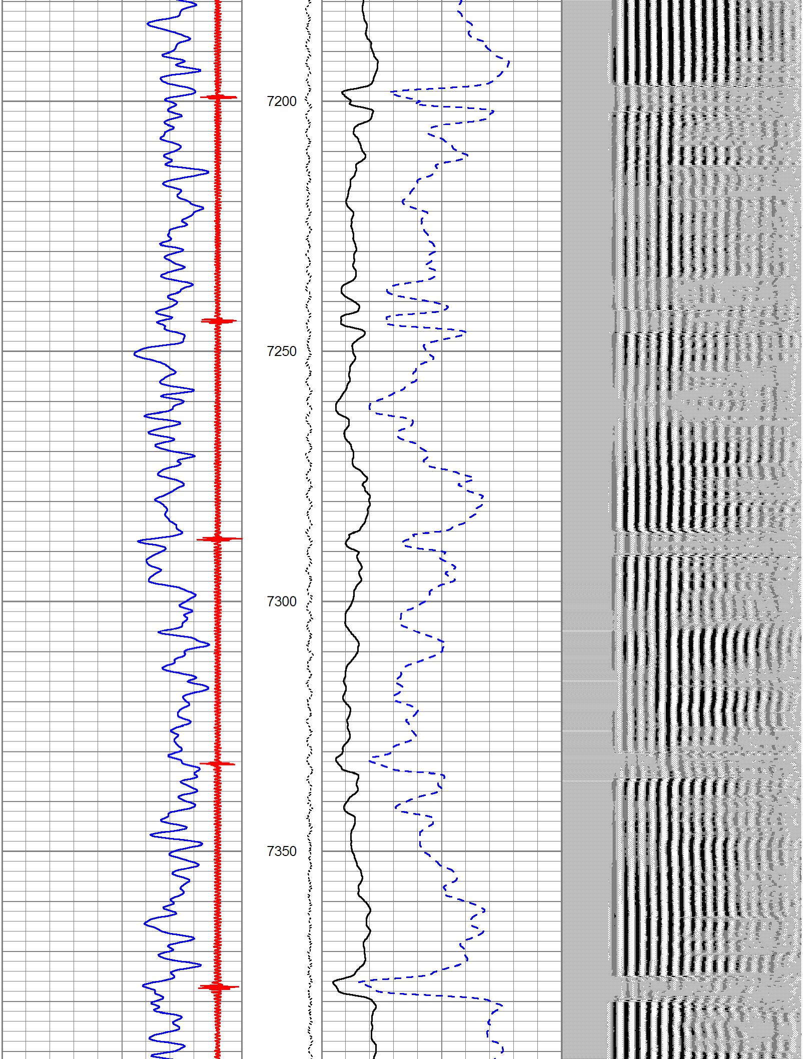
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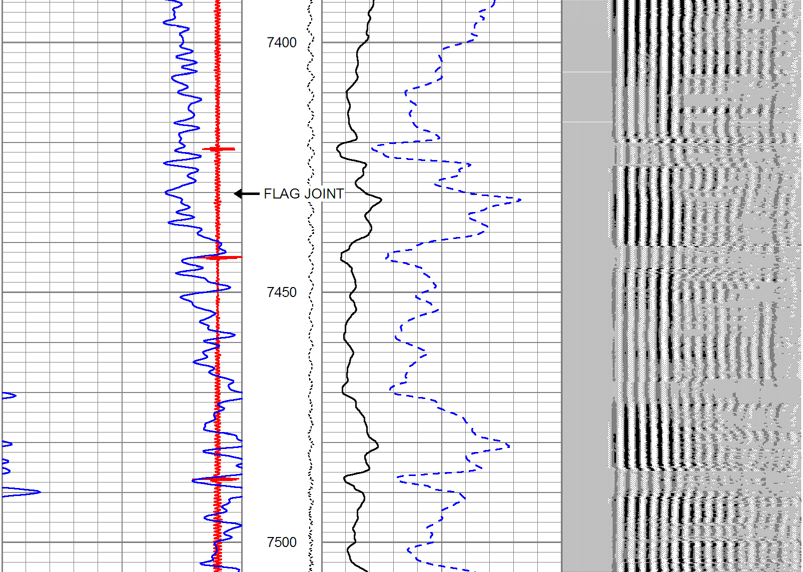
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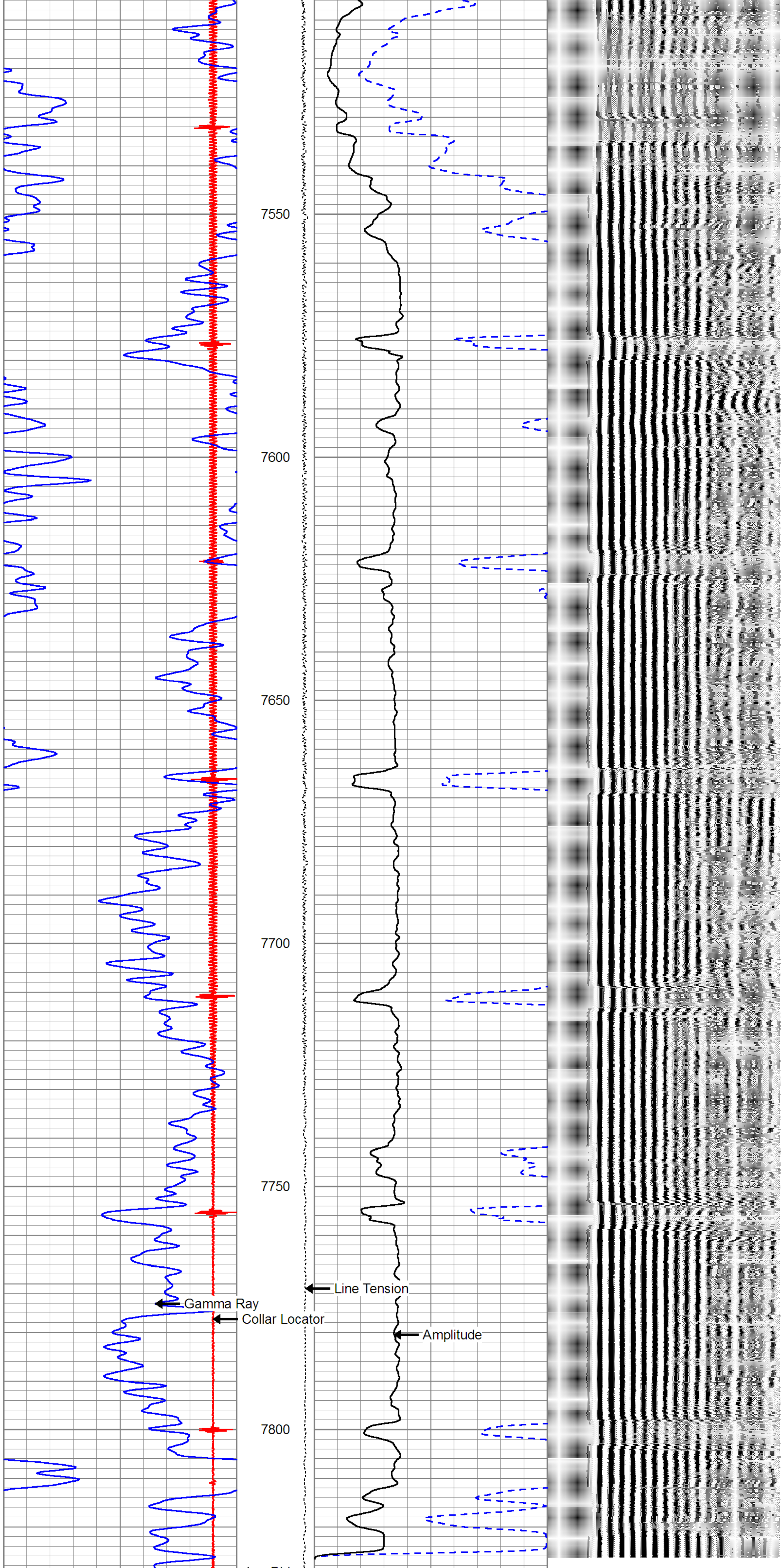

18 Collar Locator -2	Line Tension	0 Amplified Amplitude (mV) 30	200 Variable Density 1200
0 Gamma Ray (GAPI) 200	0 (lb 2000	0 Amplitude (mV) 100	

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REPEAT PASS

LOGGED WITH 1000 PSI APPLIED AT SURFACE

Database File:	windsor_lv-21-14.db
Dataset Pathname:	pass9
Presentation Format:	cbl_dr
Dataset Creation:	Wed Jan 08 17:06:36 2014 by Log SCH 120126
Charted by:	Depth in Feet scaled 1:240

18 Collar Locator -2	Line Tension	0 Amplified Amplitude (mV) 30	200 Variable Density 1200
0 Gamma Ray (GAPI) 200	0 (lb 2000	0 Amplitude (mV) 100	

18 Collar Locator -2	Line Tension	0 Amplified Amplitude (mV) 30	200 Variable Density 1200
0 Gamma Ray (GAPI) 200	0 (lb 2000	0 Amplitude (mV) 100	

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Company	BAYSWATER
Well	WINDSOR LV 21-14
Field	WATTENBURG
County	WELD
State	CO