

Company SM OIL & GAS, INC.
Well UNDERWOOD #105-A
Field LENITON
County CHAUTAUQUA
State KANSAS

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Field LENITON
County CHAUTAUQUA State KANSAS

Location: API #: 15-019-27528-00-00
NE SW SW SE
455'FSL & 2050'FEL

PERFORATE

SEC 8 TWP 33S RGE 10E

Permanent Datum GL Elevation 1034'
Log Measured From GL
Drilling Measured From GL

Elevation
K.B.
D.F.
G.L. 1034'

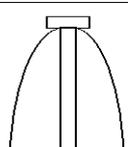
Date	NOVEMBER 6, 2015						
Run Number	ONE						
Depth Driller	1600'						
Depth Logger	1579'						
Bottom Logged Interval	1574'						
Top Log Interval	00						
Open Hole Size	6.75"						
Type Fluid	WATER						
Density / Viscosity	NA						
Max. Recorded Temp.	NA						
Estimated Cement Top	SURFACE						
Time Well Ready	ON ARRIVAL						
Time Logger on Bottom	1:30PM						
Equipment Number	48						
Location	HOMINY						
Recorded By	J. FISHER						
Witnessed By	S. MILLER						
	D. GRAHAM						
	J. POTTS						
Borehole Record							
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	00	50'				
TWO	6.75"	50'	1604'				
Tubing Record							
Casing Record	Size	Wgt/Ft	Top	Bottom			
Surface String	8.625"	24#	00	47'			
Prot. String							
Production String	4.50"	11.6#	00	1600'			
Liner							

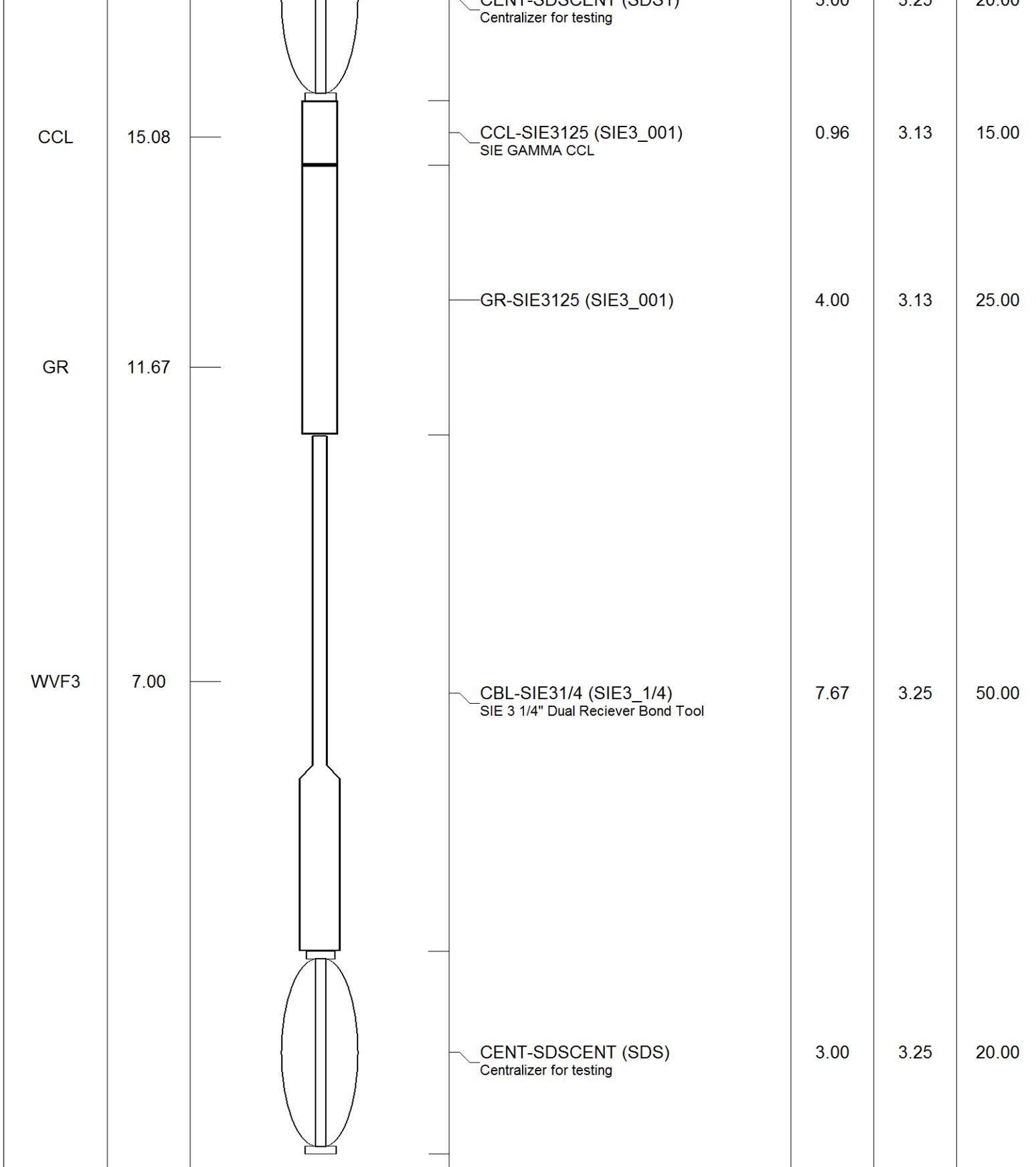
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on 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

WELL WAS CEMENTED TO SURFACE
PERFORATED FROM 1518'-1526' 2HPFT WITH A TOTAL OF 16 HOLES ON 11-6-2015
JOB WAS PERFORMED OFF OF PORTABLE DERRICK
THANK YOU FOR USING FWS, INC. HOMINY, OKLAHOMA. (918) 885 6564

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CENT SDS-CENT (SDS1)	3.00	3.25	20.00



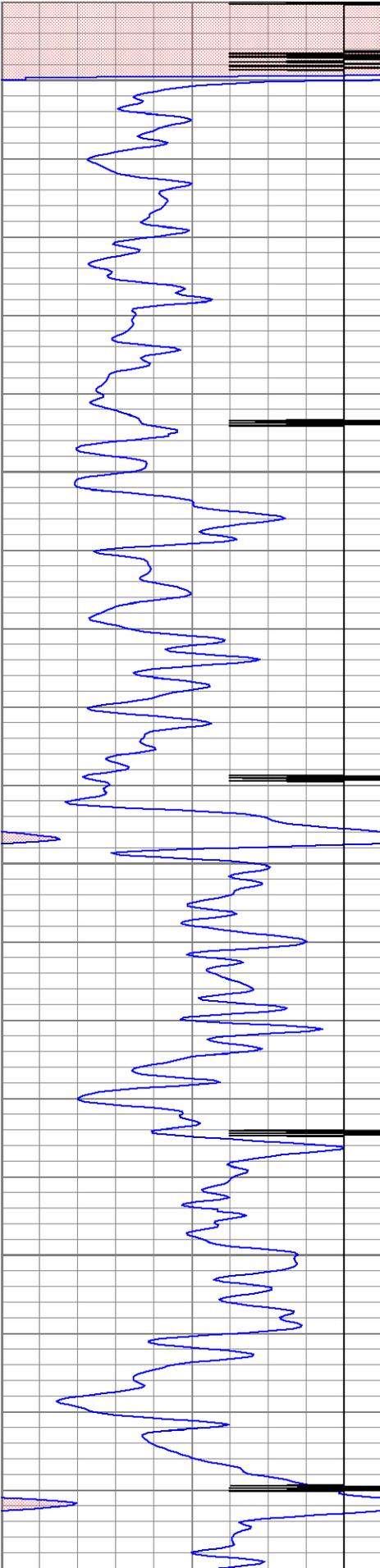
Dataset: sm#4520.db: field/UNDERWOOD/run1/pass2A
 Total Length: 18.63 ft
 Total Weight: 130.00 lb
 O.D.: 3.25 in

Database File: sm#4520.db
 Dataset Pathname: UNDERWOOD/run1/pass2A
 Presentation Format: cbl_sr
 Dataset Creation: Fri Nov 06 15:23:34 2015
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY	150
-9	COLLAR LOCATOR	1

0	AMPLITUDE (mV)	100
1200	TRAVEL TIME (usec)	200

200	VDL	1200
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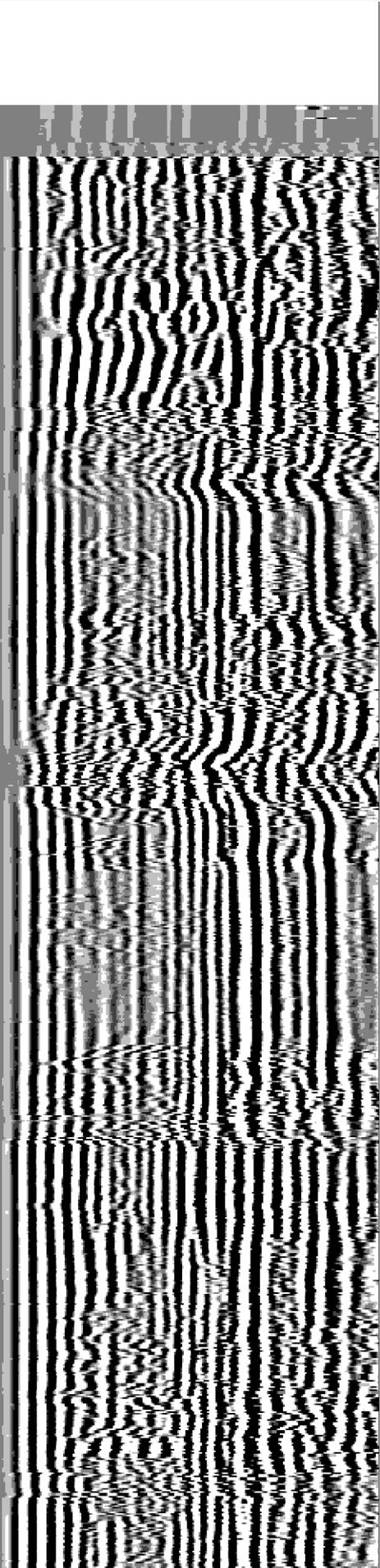
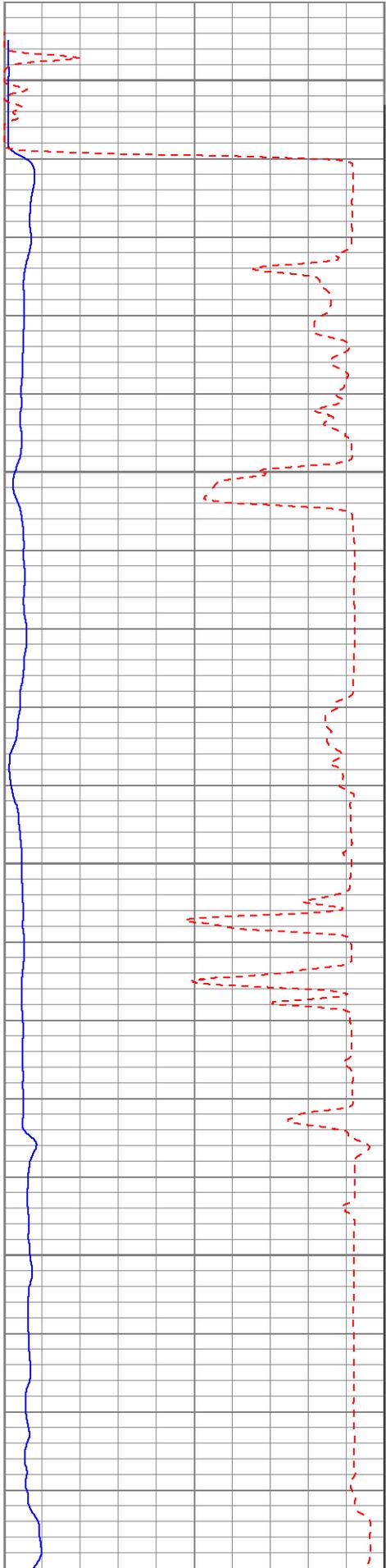


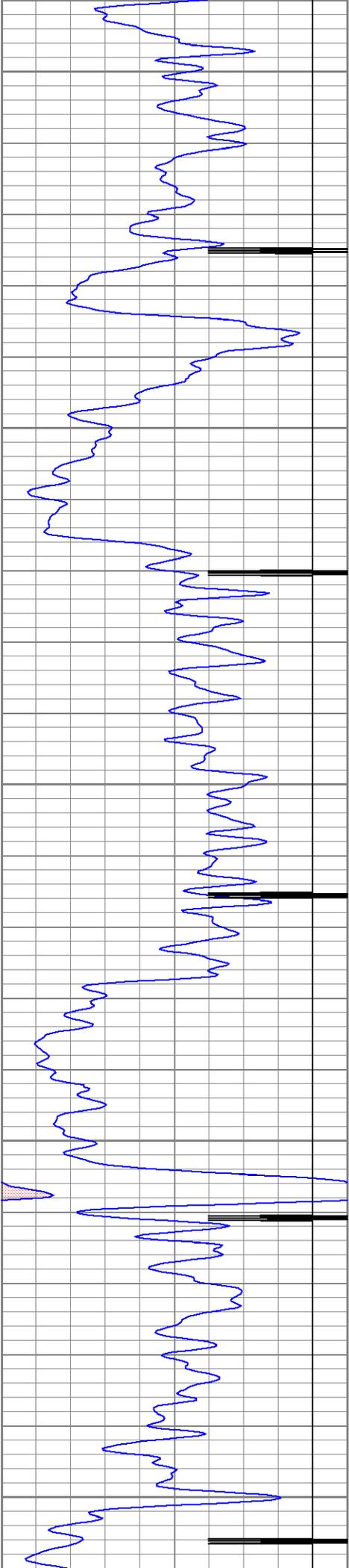
0
Fluid Level
@10'

50

100

150





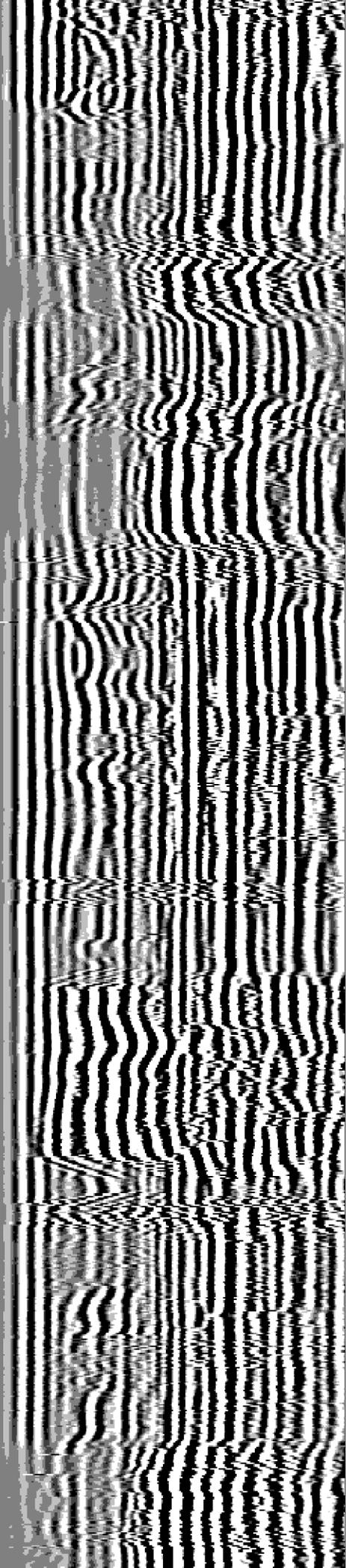
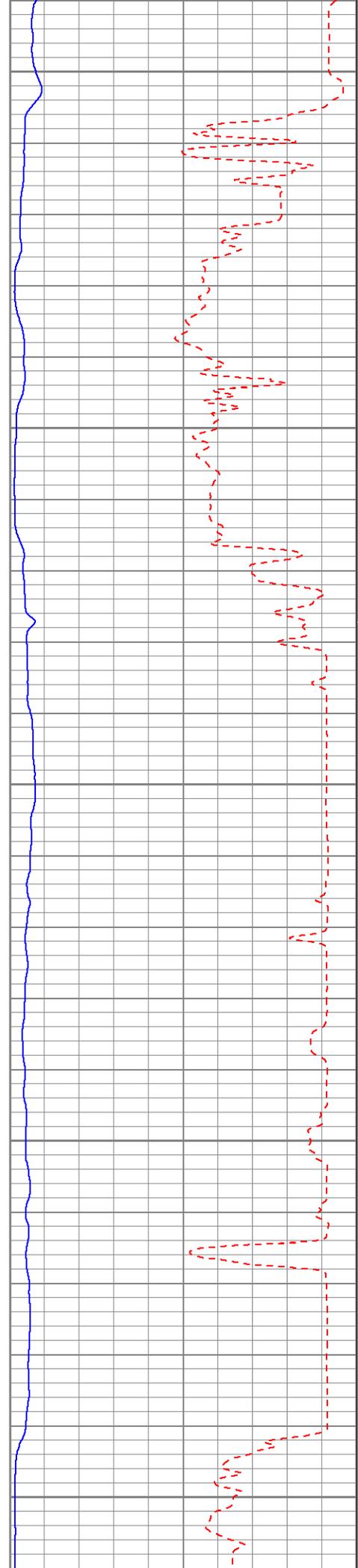
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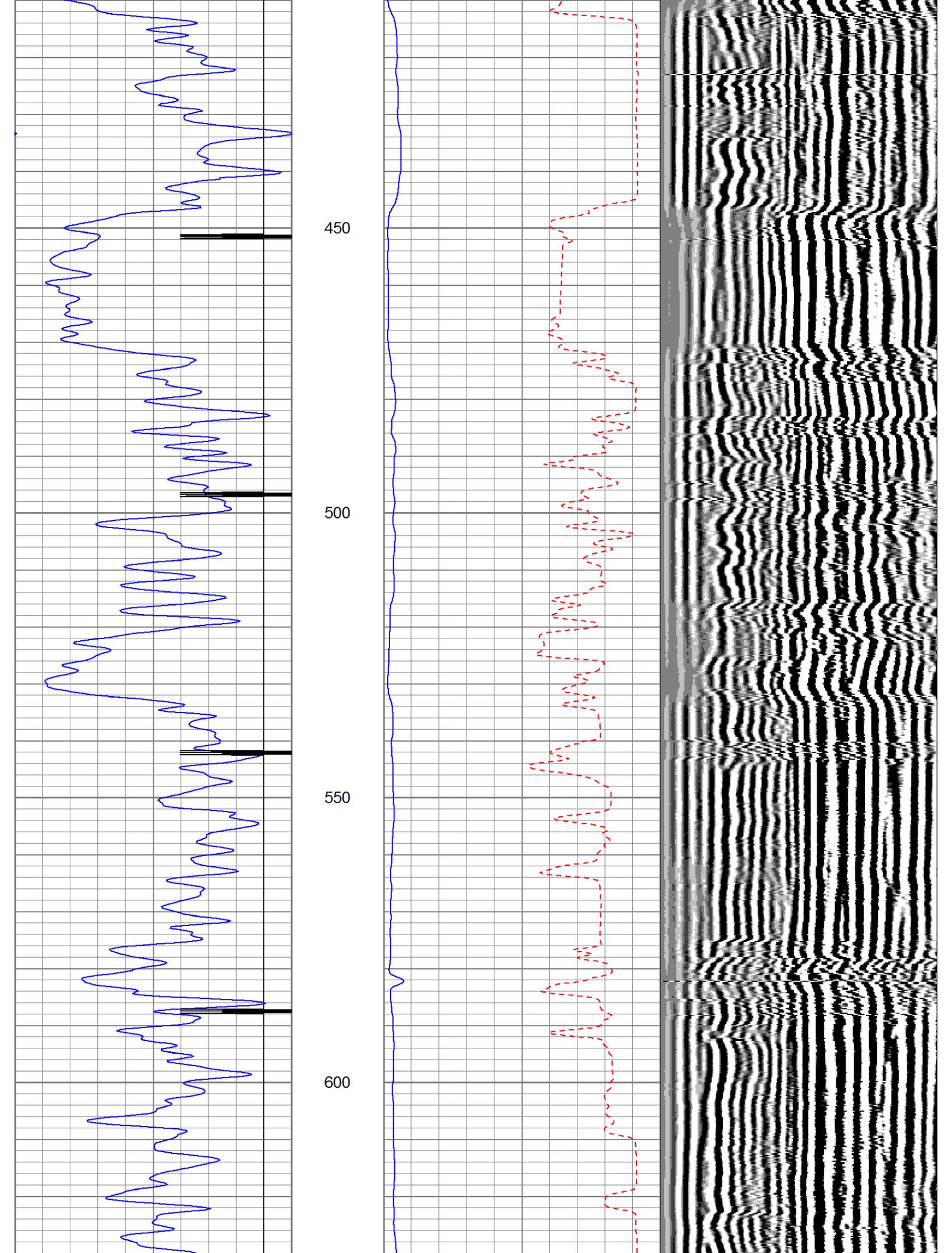
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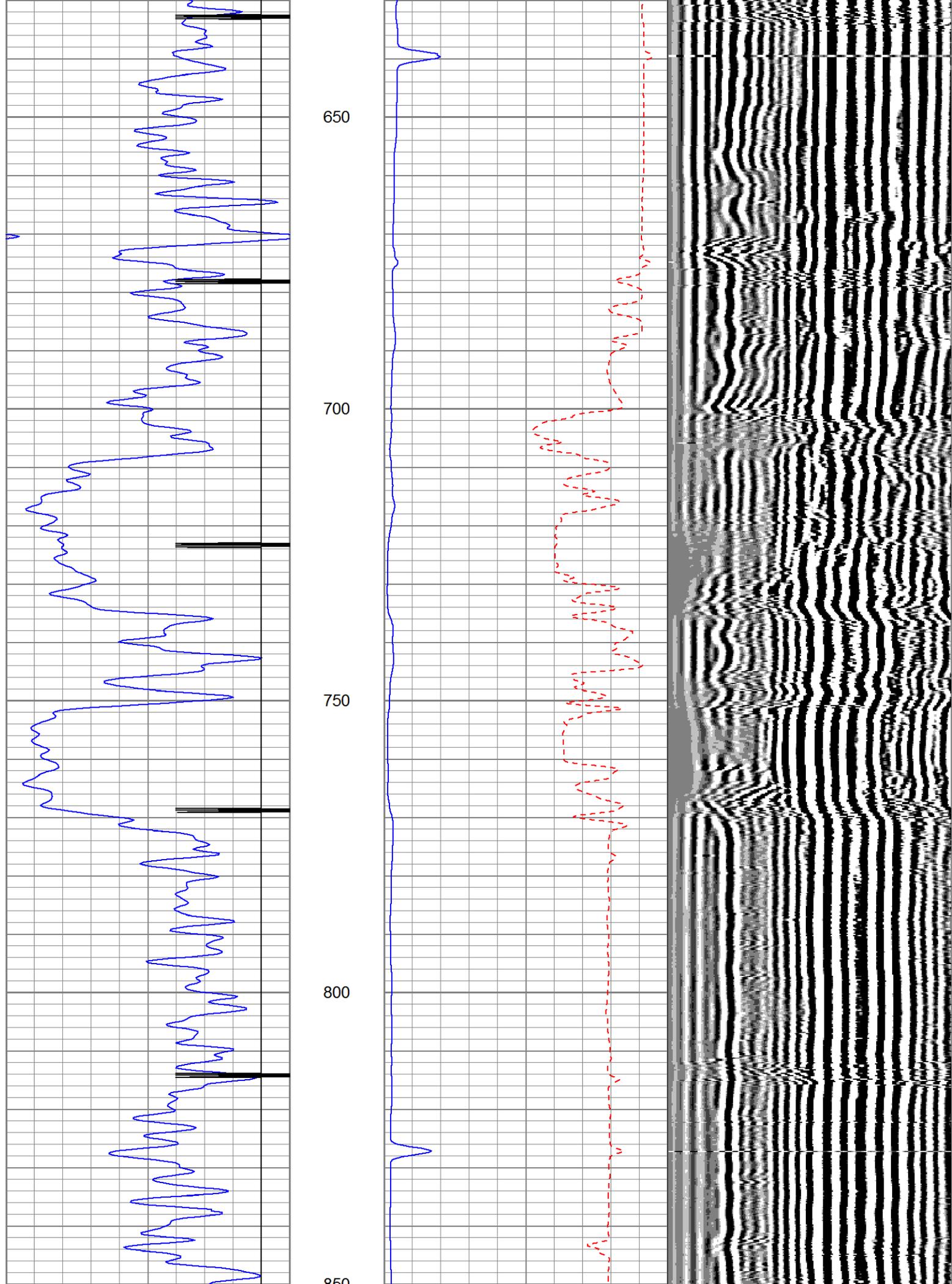
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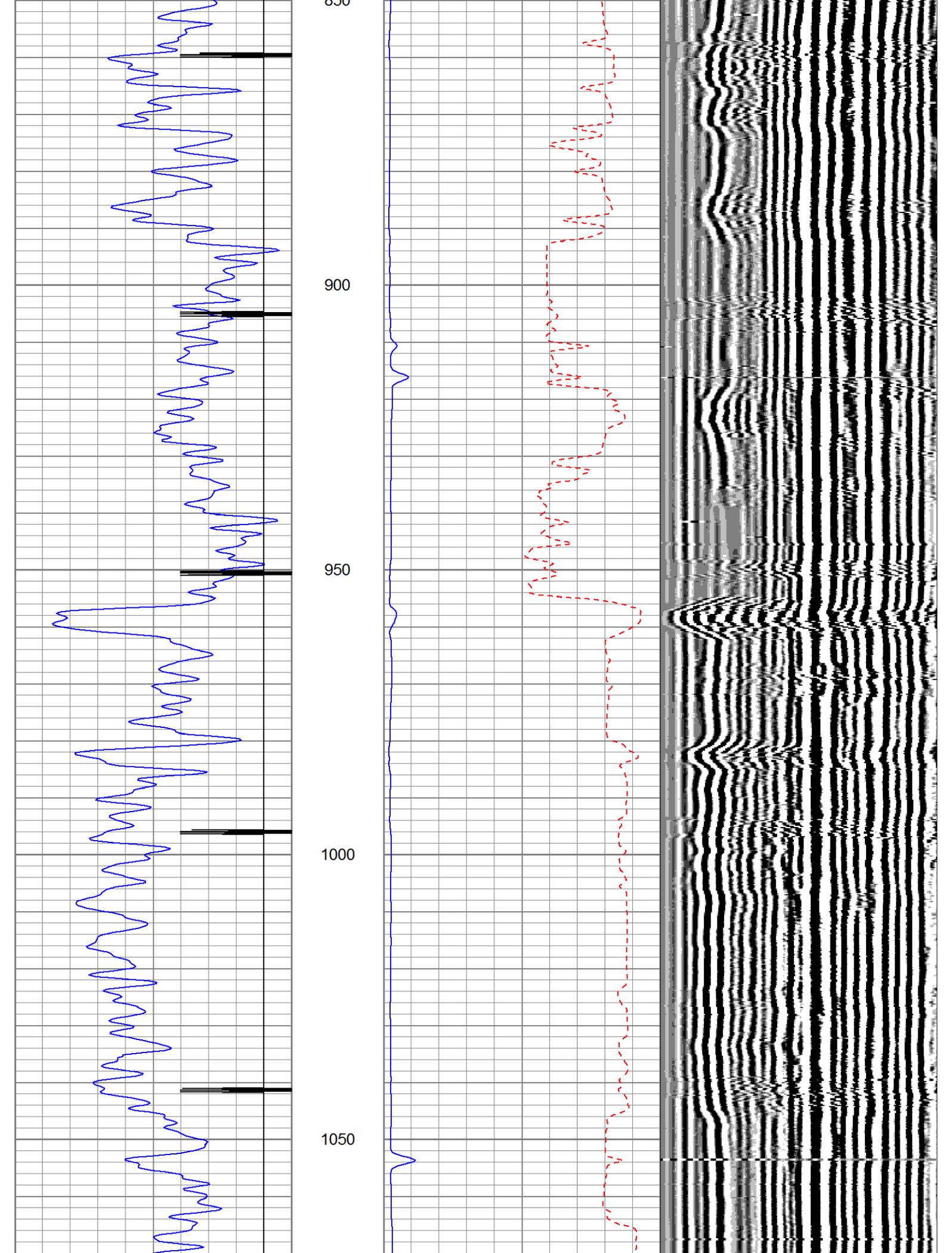
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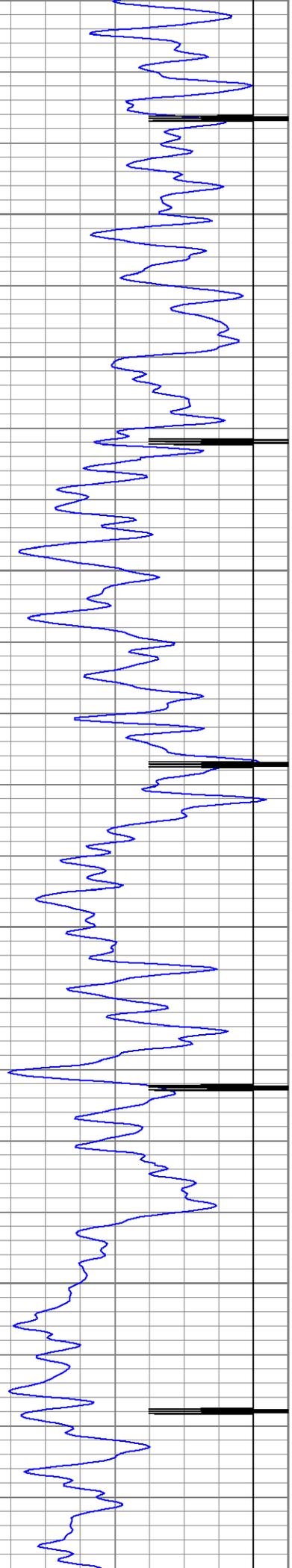
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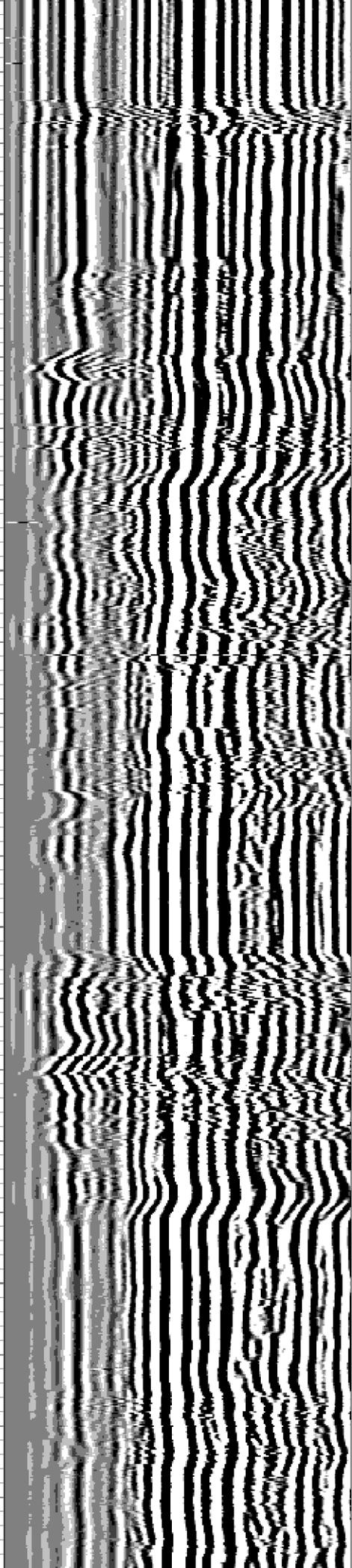
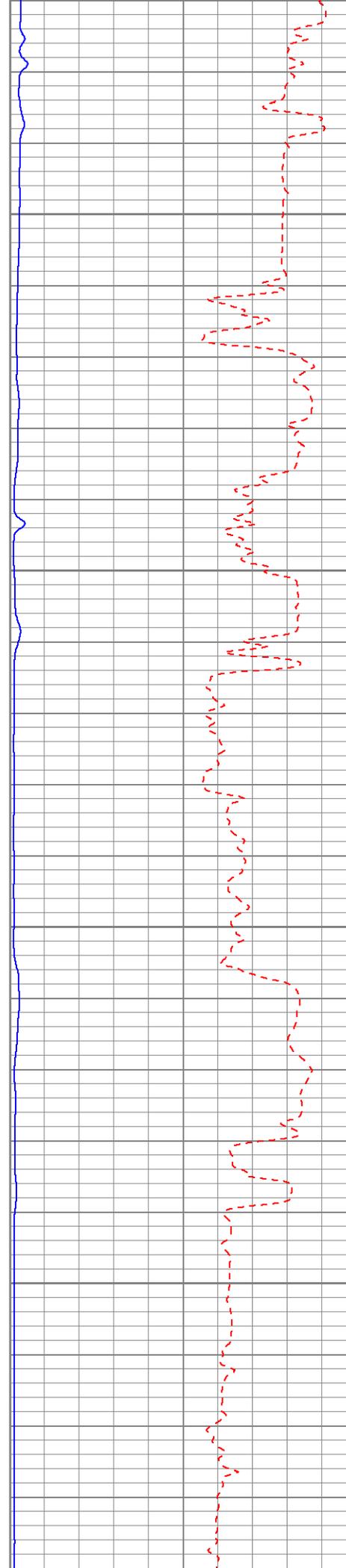


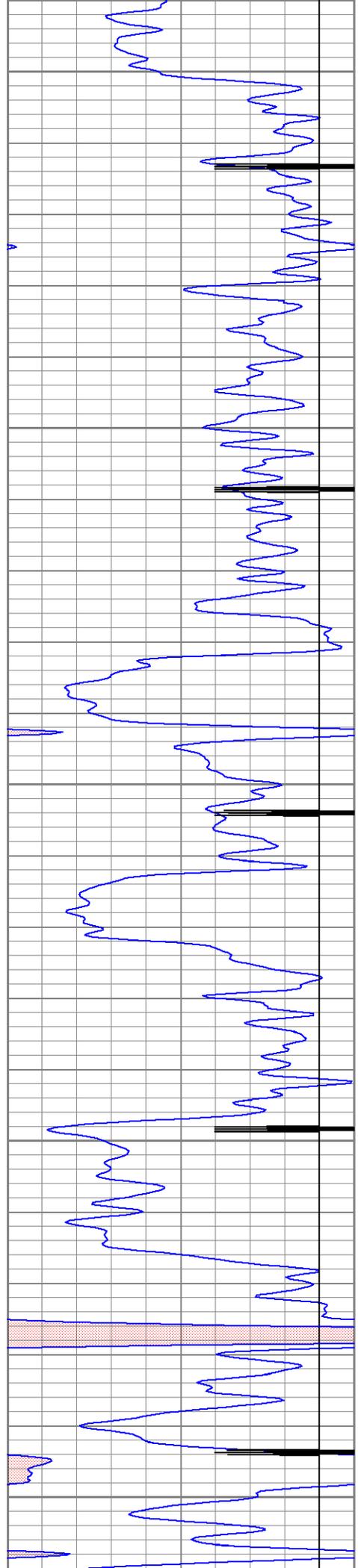
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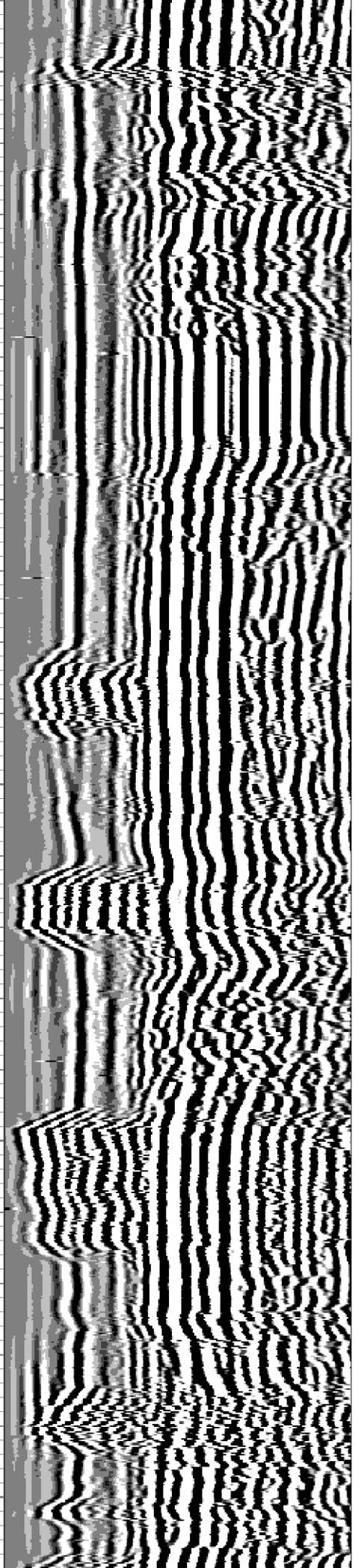
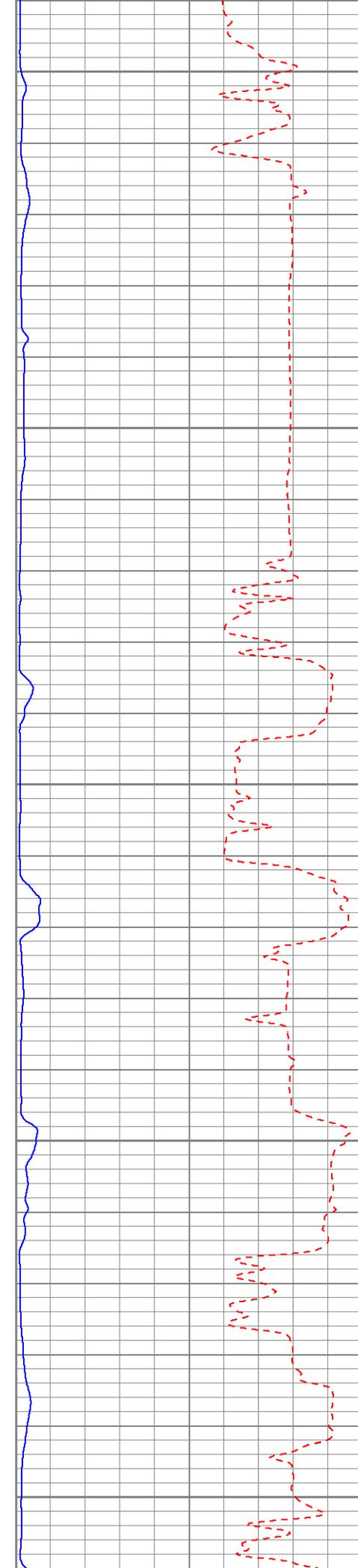
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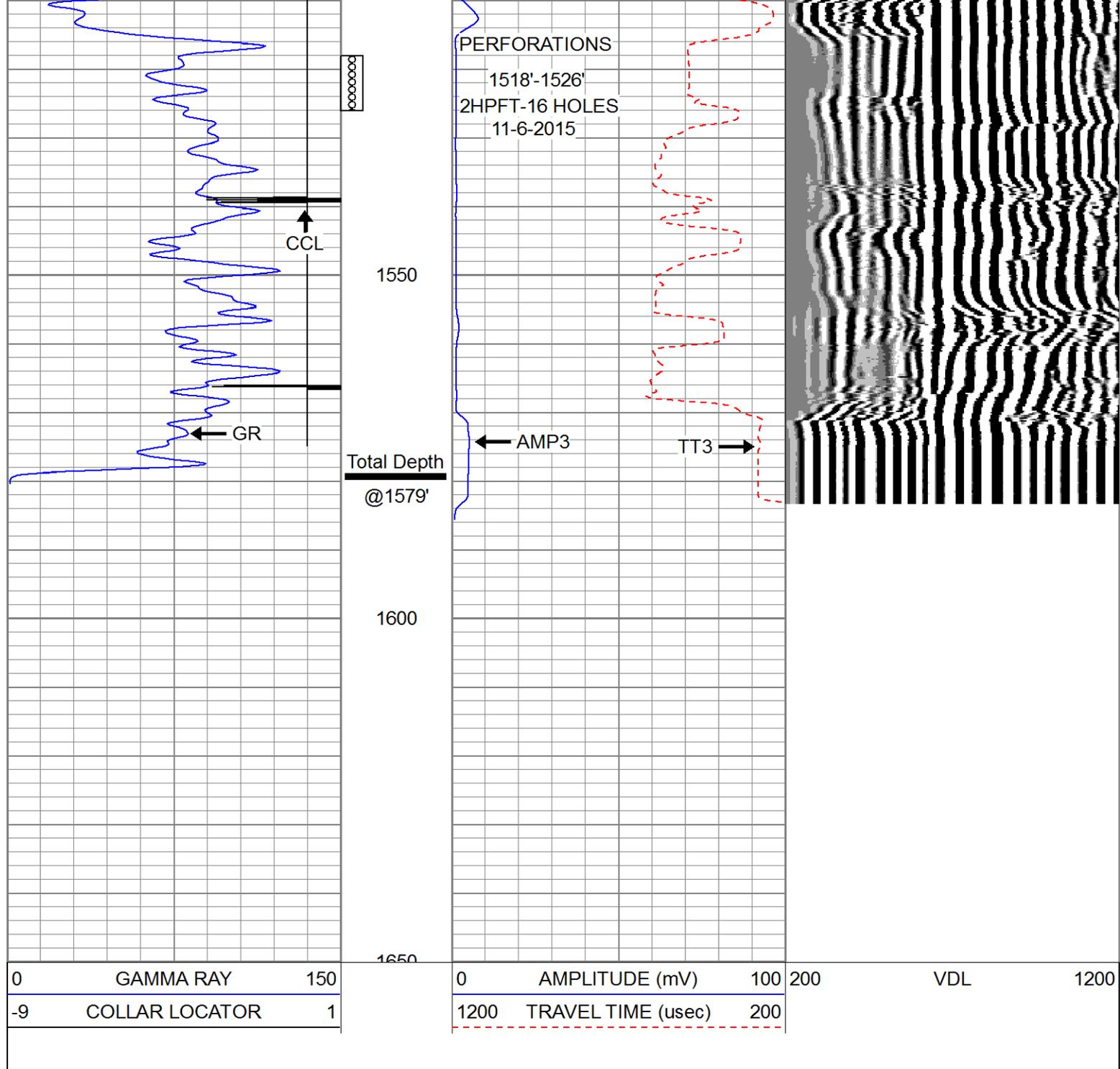
1250





1300
1350
1400
1450
1500





Calibration Report

Database File: sm#4520.db
 Dataset Pathname: UNDERWOOD/run1/pass2A
 Dataset Creation: Fri Nov 06 15:23:34 2015

Cement Bond Log Calibration Report

Serial Number: SIE3_1/4
 Tool Model: SIE31/4
 Performed: Fri Nov 06 11:50:00 2015

Depth: 2014.67 ft
 Casing Diameter: 5.5 in

3' Spacing

Signal Zero: 1 mV
 Calibrated Amplitude: 71.921 mV

Calibrated Amplitude:	0	V
Reading at Signal Zero:	1.41328	V
Gain:	55	
Offset:	1	

Gamma Ray Calibration Report

Serial Number:	SIE3_001	
Tool Model:	SIE3125	
Performed:	Thu Oct 22 08:18:44 2015	
Calibrator Value:	1.0	
Background Reading:	3.8	cps
Calibrator Reading:	1.0	cps
Sensitivity:	4.4000	/cps