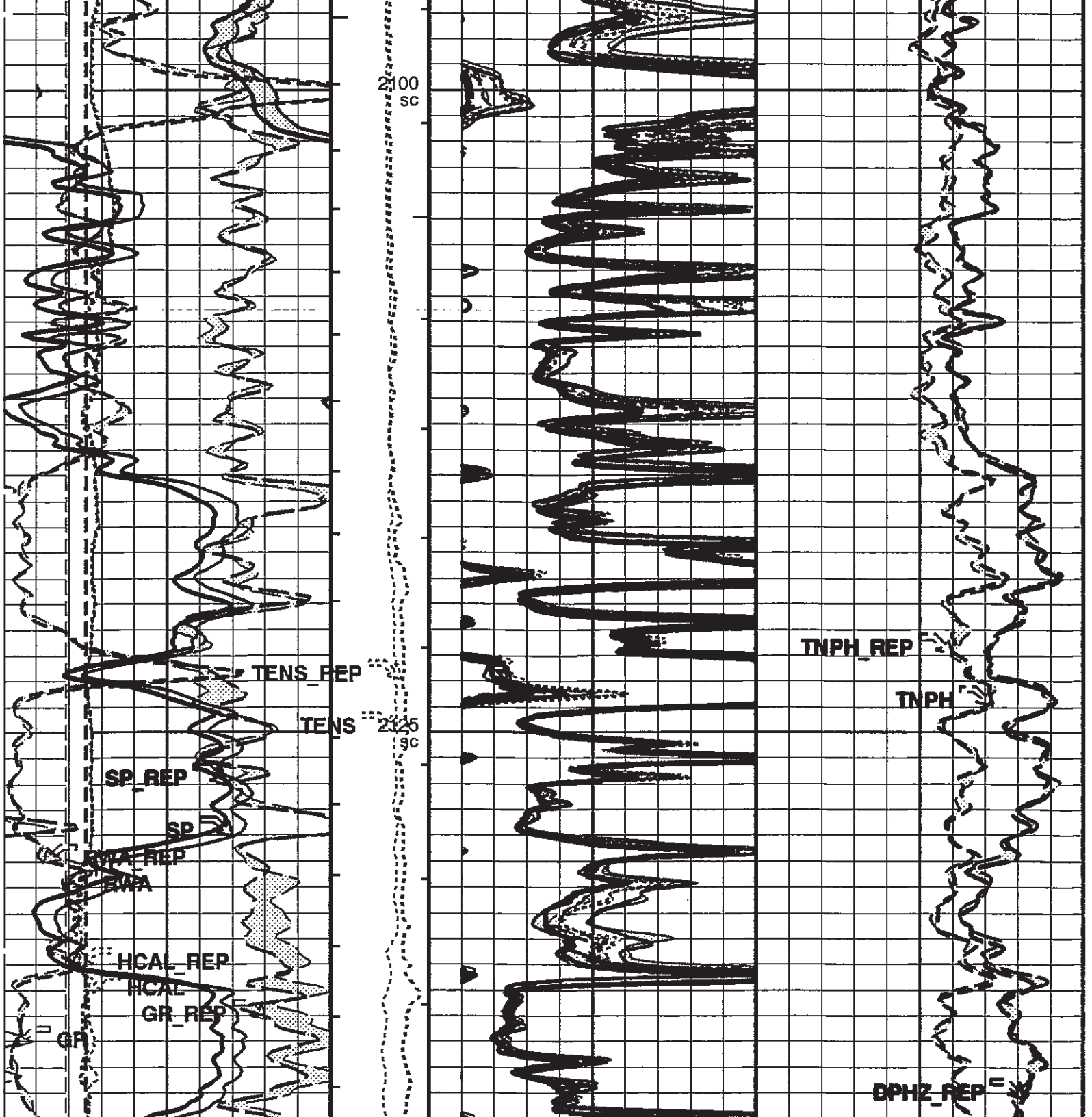
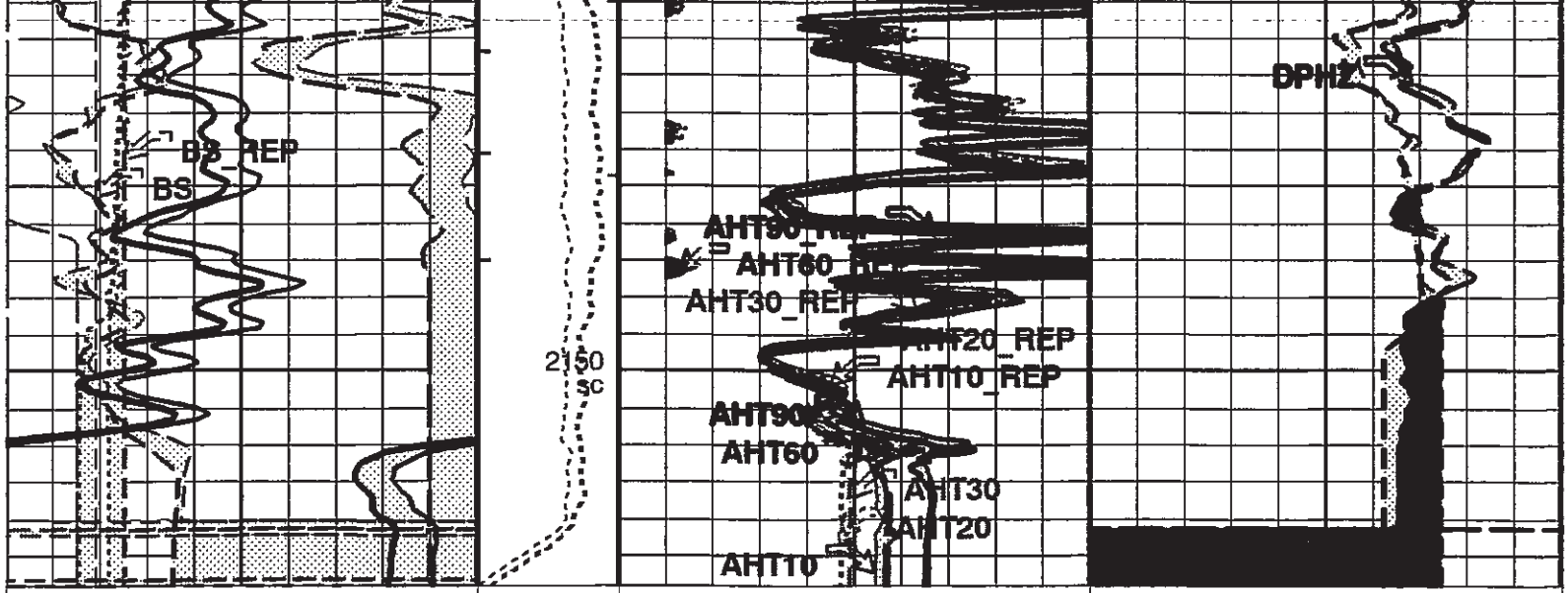

2100
SC
TENS_REP
TENS
2125
SC
SP_REP
SP
RWA_REP
RWA
HCAL_REP
HCAL
GR_REP
GR
TNPH_REP
TNPH
DPHZ_REP



BS_REP Curve (BS_REP) 6 (IN) 16	TENS_REP Curve (TENS_REP) (LBF) 0 1000	AHT10_REP Curve (AHT10_REP) 0 (OHMM) 10
GR_REP Curve (GR_REP) 0 (GAPI) 150		AHT20_REP Curve (AHT20_REP) 0 (OHMM) 10
HCAL_REP Curve (HCAL_REP) 6 (IN) 16		AHT30_REP Curve (AHT30_REP) 0 (OHMM) 10
RWA_REP Curve (RWA_REP) 0 (OHMM) 1		AHT60_REP Curve (AHT60_REP) 0 (OHMM) 10
SP_REP Curve (SP_REP) -80 (MV) 20		AHT90_REP Curve (AHT90_REP) 0 (OHMM) 10
Caverna From BS to HCAL		
Revoque From HCAL to BS		

DPHZ_REP Curve (DPHZ_REP) 0.6 (V/V) 0
TNPH_REP Curve (TNPH_REP) 0.6 (V/V) 0
GAS From DPHZ to TNPH

PIP SUMMARY

- Integrated Hole Volume Minor Pip Every 0.1 M3
- Integrated Hole Volume Major Pip Every 1 M3
- Integrated Cement Volume Minor Pip Every 0.1 M3
- Integrated Cement Volume Major Pip Every 1 M3

Time Mark Every 60 S

AIT-H Answer Product Processing Summary. Data taken with Tool # 322 (AHTNO)

...Acquired data from HILT/HAIT

***** Borehole Correction *****

Effective Tool Standoff computed. Borehole diameter and mud res. taken as input (see GCSE and GRSE parameters)

Tool is run in ECCENTERED mode with a tool stand-off of 1.50 IN. Bit Size is 7.88 IN.

***** Input Selections to AIT-H Answer Product Processing *****

Caliper (GCSE): HCAL Mud Resistivity (GRSE): AHMF Temperature (GTSE): LINEAR_ESTIMATE Porosity (FPHI): DPHZ

***** Other Parameters used by AIT-H Answer Product Processing *****

Surface Hole Temperature (SHT)	68.000 DEGF	Bottom Temperature (BHT)	167.000 DEGF
Total Depth (TD)	7053.806 FT		
Form Factor Exponent (FEXP)	2.150	Form Factor Numerator (FNUM)	0.620
Mud Filtrate Sample Resistivity (RMFS)	2.780 OHMM	Mud Filtrate Sample Temperature (MFST)	20.000 DEGC
Resitivity Connate Water (RW)	1.000 OHMM		

***** AIT-H Answer Product Processing Control Parameters *****

Playback Mode: OFF

Parameters

DLIS Name	Description	Value	
AHBHM	Array Induction Borehole Correction Mode	2_ComputeStandoff	
AHBHV	Array Induction Borehole Correction Code Version Number	870	
AHBLM	Array Induction Basic Logs Mode	6_One_Two_and_Four	
AHBLV	Array Induction Basic Logs Code Version Number	984	
AHBPO	Array Induction Basic Logs Processing Option	Standard_Processing	
AHCDE	Array Induction Casing Detection Enable	Yes	
AHCEN	Array Induction Tool Centering Flag (in Borehole)	Eccentered	
AHCSED	Array Induction Casing Shoe Estimated Depth	-50000	FT
AHFRSV	Array Induction Response Set Version for Four ft Resolution	32.66.23.11	
AHMRF	Array Induction Mud Resistivity Factor	1	
AHORSV	Array Induction Response Set Version for One ft Resolution	32.66.23.11	
AHRFV	Array Induction Radial Profiling Code Version Number	700	
AHRPV	Array Induction Radial Parametrization Code Version Number	214	
AHSTA	Array Induction Tool Standoff	1.5	IN
AHTRSV	Array Induction Response Set Version for Two ft Resolution	32.66.23.11	
ARTS	AIT Rt Selection (for ALLRES computation)	AITH_FourResA90	
BHFL	Borehole Fluid Type	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	75	DEGC
BS	Bit Size	7.875	IN
BSAL	Borehole Salinity	900.00	PPM
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
CSIZ	Current Casing Size	9.625	IN
CWEI	Casing Weight	32.30	LB/F
DFD	Drilling Fluid Density	1.16	G/C3
DHC	Density Hole Correction	BS	
DO	Depth Offset for Playback	-0.2	M
DORL	Depth Offset for Repeat Analysis	0.0	M
FCD	Future Casing (Outer) Diameter	5.5	IN
FD	Fluid Density	1	G/C3
FEXP	Form Factor Exponent	2.15	
FNUM	Form Factor Numerator	0.62	
FPHI	Form Factor Porosity Source	DPHZ	
FSAL	Formation Salinity	-50000	PPM
FSCO	Formation Salinity Correction Option	NO	

GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HSCO	Hole Size Correction Option	YES	
HVCS	Integrated Hole Volume Caliper Selection	HCAL	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	NATU	
MDEN	Matrix Density	2.65	G/C3
MST	Mud Sample Temperature	22.00	DEGC
MWCO	Mud Weight Correction Option	NO	
NAAC	HRDD APS Activation Correction	OFF	
NMT	HILT Nuclear Mud Type	NOBARITE	
NPRM	HRDD Processing Mode	StdRes	
NSAR	HRDD Depth Sampling Rate	1	IN
PP	Playback Processing	OFF	
PTCO	Pressure/Temperature Correction Option	YES	
RMFS	Resistivity of Mud Filtrate Sample	2.7800	OHMM
RTCO	RTCO - Rt Invasion Correction	YES	
RW	Resistivity of Connate Water	1.0000	OHMM
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	68	DEGF
SOCN	Standoff Distance	0.125	IN
SOCO	Standoff Correction Option	YES	
SPNV	SP Next Value	10	MV
TD	Total Depth	7053.81	FT
TDL	Total Depth - Logger	2150.00	M
TWS	Temperature of Connate Water Sample	100.00	DEGF

Format: COMBO_REP Vertical Scale: 1:200 Graphics File Created: 25-Jan-2001 23:18

OP System Version: 9C2-303

MCM

HILTB-CTS SRPC-2050-HILT

Input DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_054PUP	FN:49	PRODUCER	25-Jan-2001 23:16	2156.0 M	2017.8 M
DEFAULT	AIT_TLD_MCFL_CNL_014PUP	FN:13	PRODUCER	23-Jan-2001 22:52	2158.0 M	332.5 M

Output DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_055PUP	FN:50	PRODUCER	25-Jan-2001 23:18		

CHEQUEO DE CANERIA

Schlumberger

CHEQUES DE CAVERNA

Output DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_004LUP	FN:3	PRODUCER	23-Jan-2001 19:38	362.1 M	306.6 M

Indexed to Speed Corrected Depth in real-time

Integrated Hole/Cement Volume Summary

Hole Volume = 0.91 M3

Cement Volume = 0.67 M3 (assuming 5.50 IN casing O.D.)

Computed from 362.1 M to 346.7 M using data channel(s) HCAL

OP System Version: 9C2-303

MCM

HILTB-CTS	9C2-303

PIP SUMMARY

- Integrated Hole Volume Minor Pip Every 0.1 M3
- Integrated Hole Volume Major Pip Every 1 M3
- Integrated Cement Volume Minor Pip Every 0.1 M3
- Integrated Cement Volume Major Pip Every 1 M3

Time Mark Every 60 S

REVOQUE
From HCAL to BS

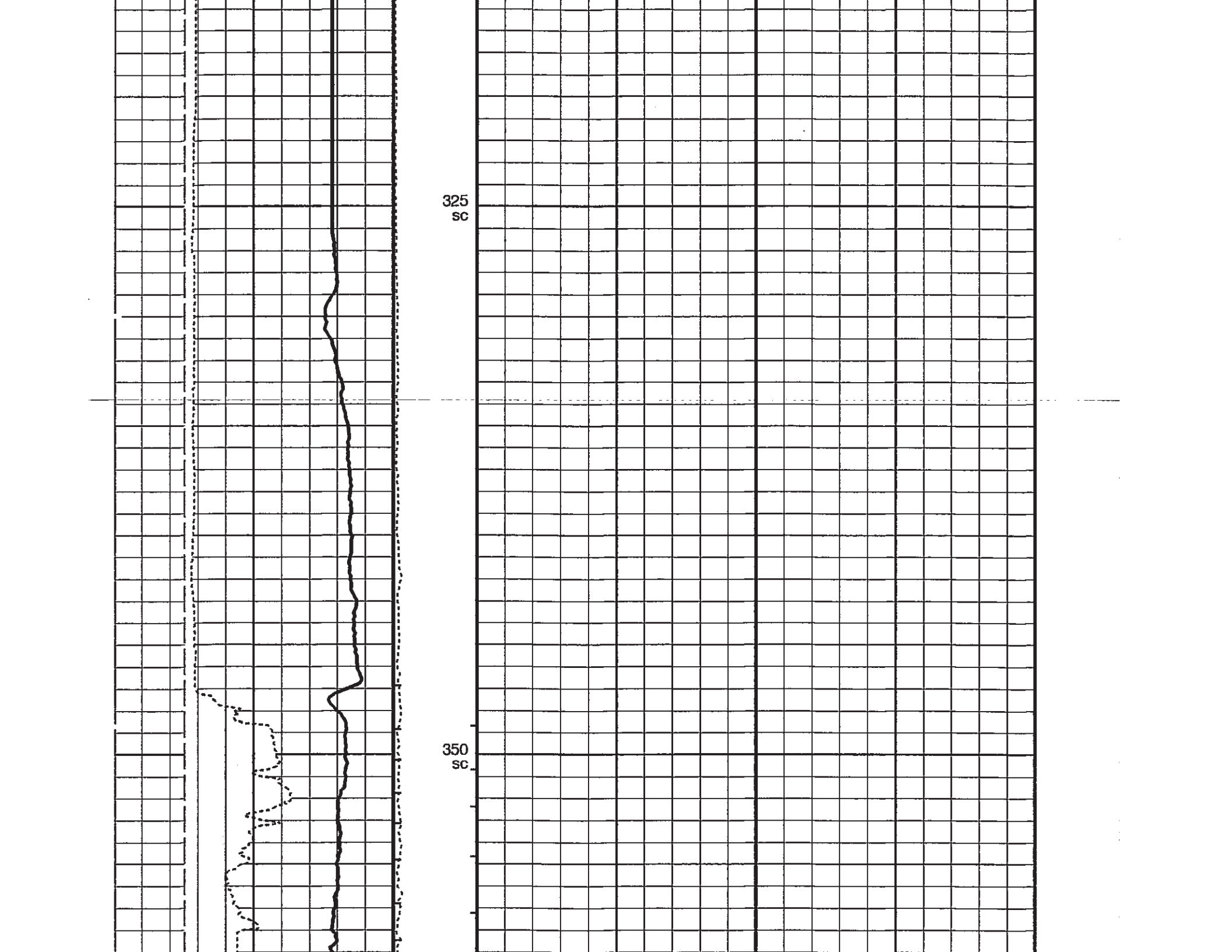
CAVERNA
From BS to HCAL

SP (SP)
-80 (MV) 20

Caliper (HCAL)
6 (IN) 16

Bit Size (BS)
6 (IN) 16

Tension (TENS) (LBF)
0 1000


325
SC
350
SC

Bit Size (BS) (IN) 6 — 16	Tension (TENS) (LBF) 0 — 1000	
Caliper (HCAL) (IN) 6 — 16		
SP (SP) (MV) -80 — 20		
CAVERNA From BS to HCAL		
REVOQUE From HCAL to BS		

PIP SUMMARY

- Integrated Hole Volume Minor Pip Every 0.1 M3
- Integrated Hole Volume Major Pip Every 1 M3
- Integrated Cement Volume Minor Pip Every 0.1 M3
- Integrated Cement Volume Major Pip Every 1 M3

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value

copgo wood
ARGENTINA S.A.

CBL - V
NEUTR

Cía. REPSOL YPF S.A.
Pozo EA-601
Yacim. EL ALBA
País R. ARGENTINA
Prov. CHUBUT

Compañía REPSOL YPF S.A.
Pozo EA-601
Yacimiento EL ALBA
País R. ARGENTINA Provincia CH

Ubicación
X: 4.948.642,02
Y: 2.586.566,38
Z: 661,82

Dato Permanente	N.T.	Elevación 66
Perfil medido desde	N.T.	
Perforación medida desde	NIVEL DE TERRENO	

Fecha	28-ENERO-2001
Carrera No.	1
Primera Lectura	2135.5 m
Ultima Lectura	530.0 m
Prof. Alcanzada	2136.0 m
Fondo Perforador	2150.0 m
Intervalo Medido	1605.5 m
Tiempo de Operación	4 Hs
Camión Nro.	504
Base	CMO
Tipo de Fluido	AGUA
Densidad	S/D
Viscosidad	S/D
Nivel de Fluido	LLENO
Temperatura max.	S/D
Registrado por:	ERICK ARZE
Supervisarlo por:	

Datos del Pozo				Datos de la Tu		
Carrera No.	Trépano	Desde	Hasta	Diam.	Peso	

Datos de la Cañeria	Diam	Peso	Desde
Cañeria Guia	9.625 "	32.30 lb/ft	0
Cañeria Entubación	5.5 "	15.5 / 17 lb/ft	0
Cañeria Producción			
Liner			
Cía. Cementación			

Hasta 3461 2150

Desde | Hasta

M.R. P.T. N.T. 661.82 Elevación

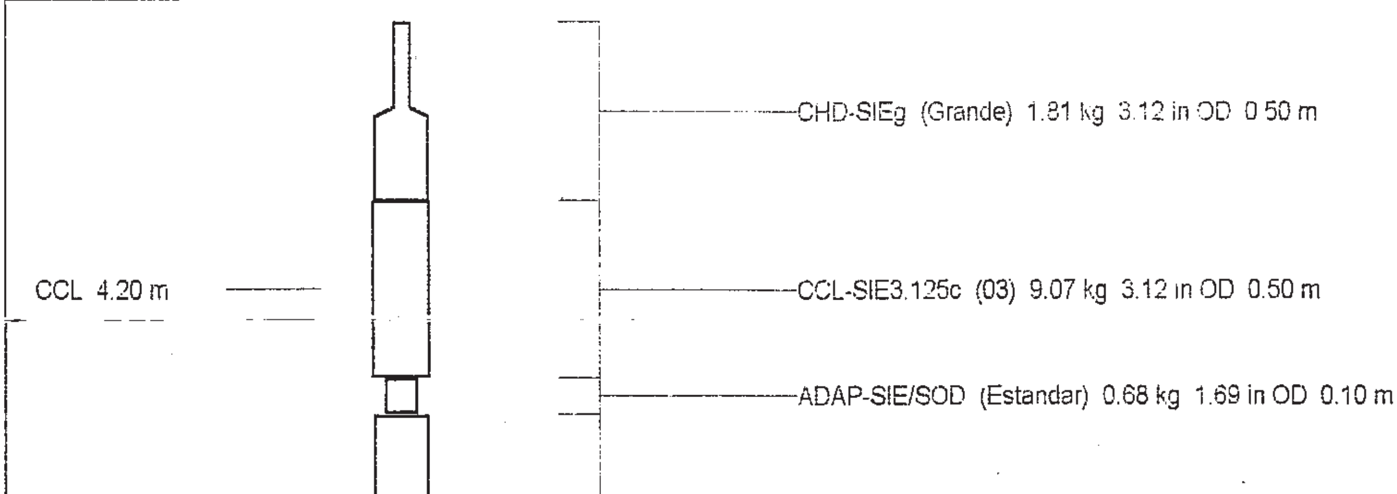
Otros Servicios

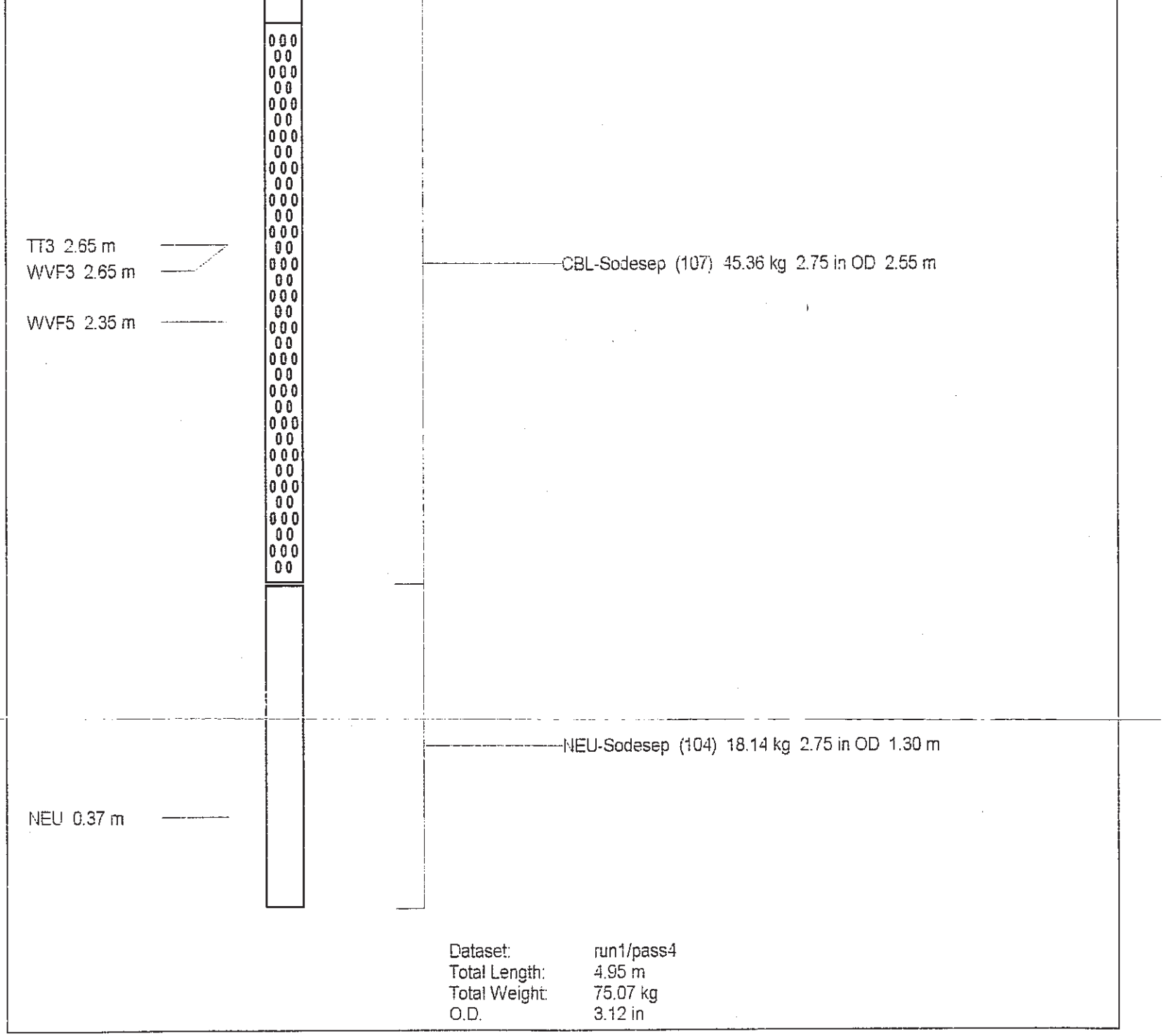
<<< Plegar Aquí >>>

Como todas las interpretaciones son opiniones basadas tan sólo en deducciones de mediciones eléctricas y de otros tipos, no podemos garantizar ni garantizamos la precisión o exactitud de cualquier interpretación ni seremos responsables de pérdidas, daños y/o perjuicios que puedan ocurrir como resultado de éstas u otras interpretaciones

OBSERVACIONES

PERFIL REALIZADO CON PLUMA DE COPGO
PERFIL DE CORRELACION QUICKLOOK DE SCHLUMBERGER





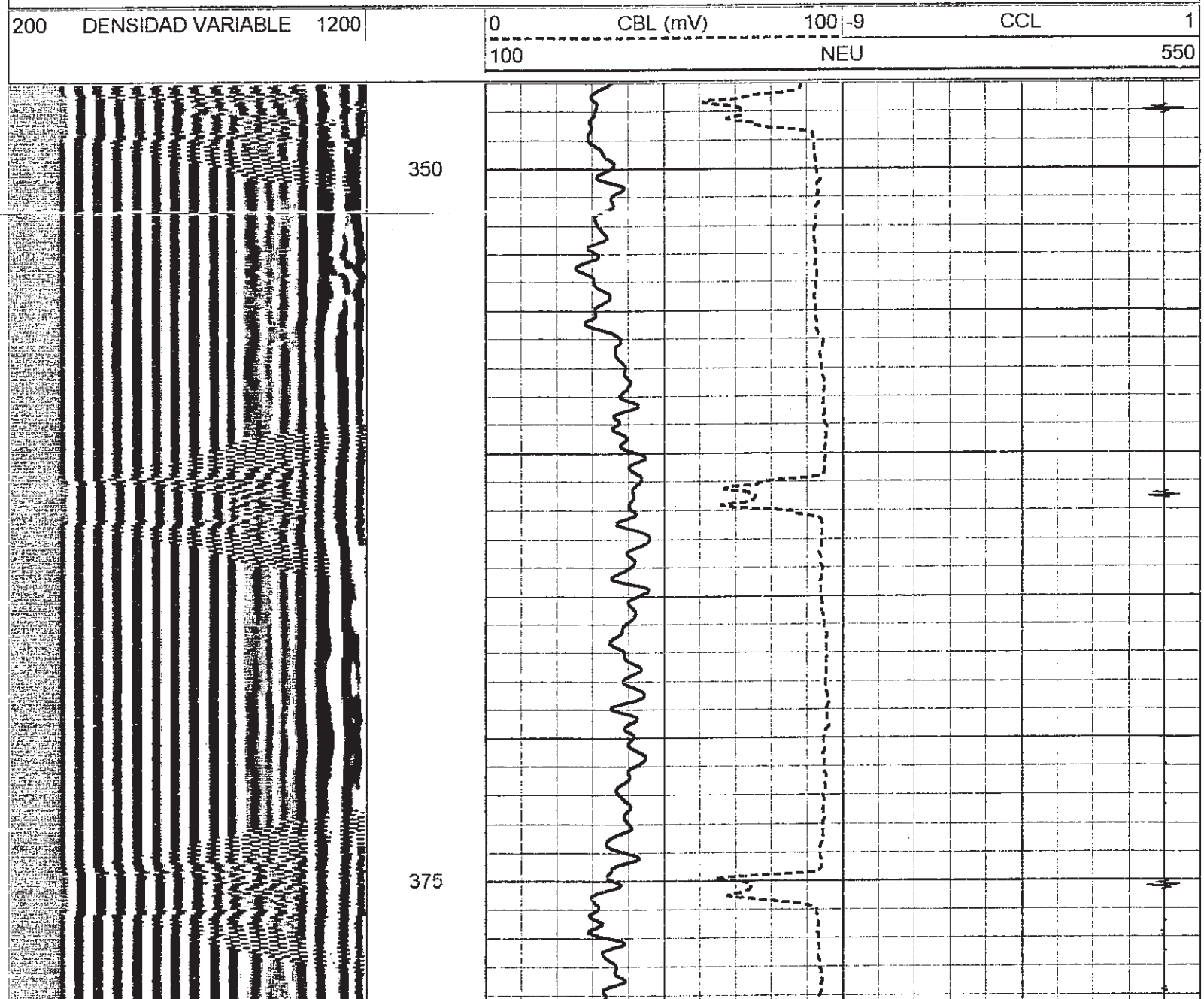
Dataset:	run1/pass4
Total Length:	4.95 m
Total Weight:	75.07 kg
O.D.	3.12 in

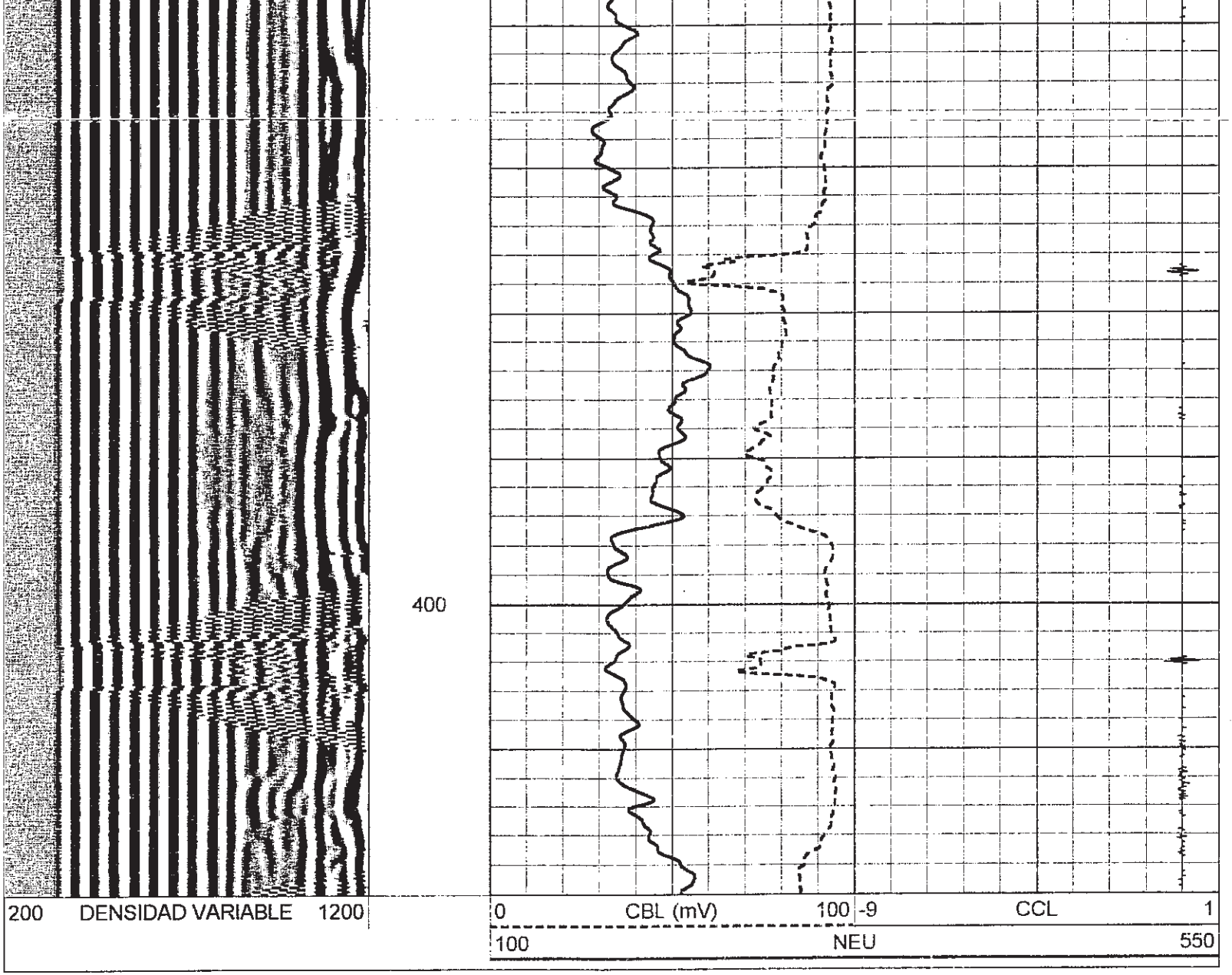
copgo wood

ARGENTINA S.A.

CAÑERIA LIBRE

Database File:	ae601.db
Dataset Pathname:	pass7
Presentation Format:	35neu.prs
Dataset Creation:	Sun Jan 28 12:33:39 2001 by Log VER_5.4
Charted by:	Depth in Meters scaled 1:200





copgo wood
ARGENTINA S.A.

TRAMO PRINCIPAL

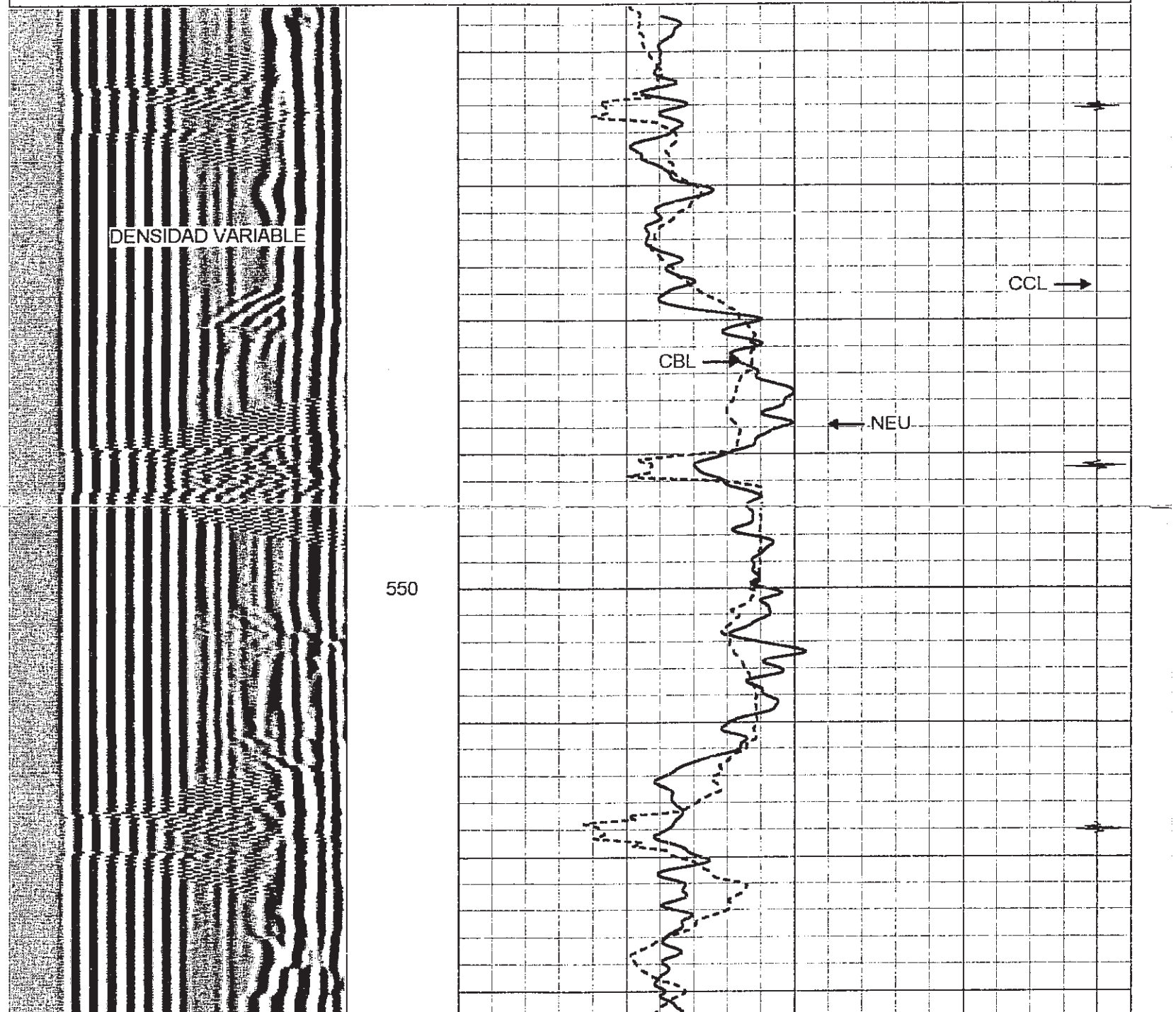
Database File:	ae601.db
Dataset Pathname:	pass3

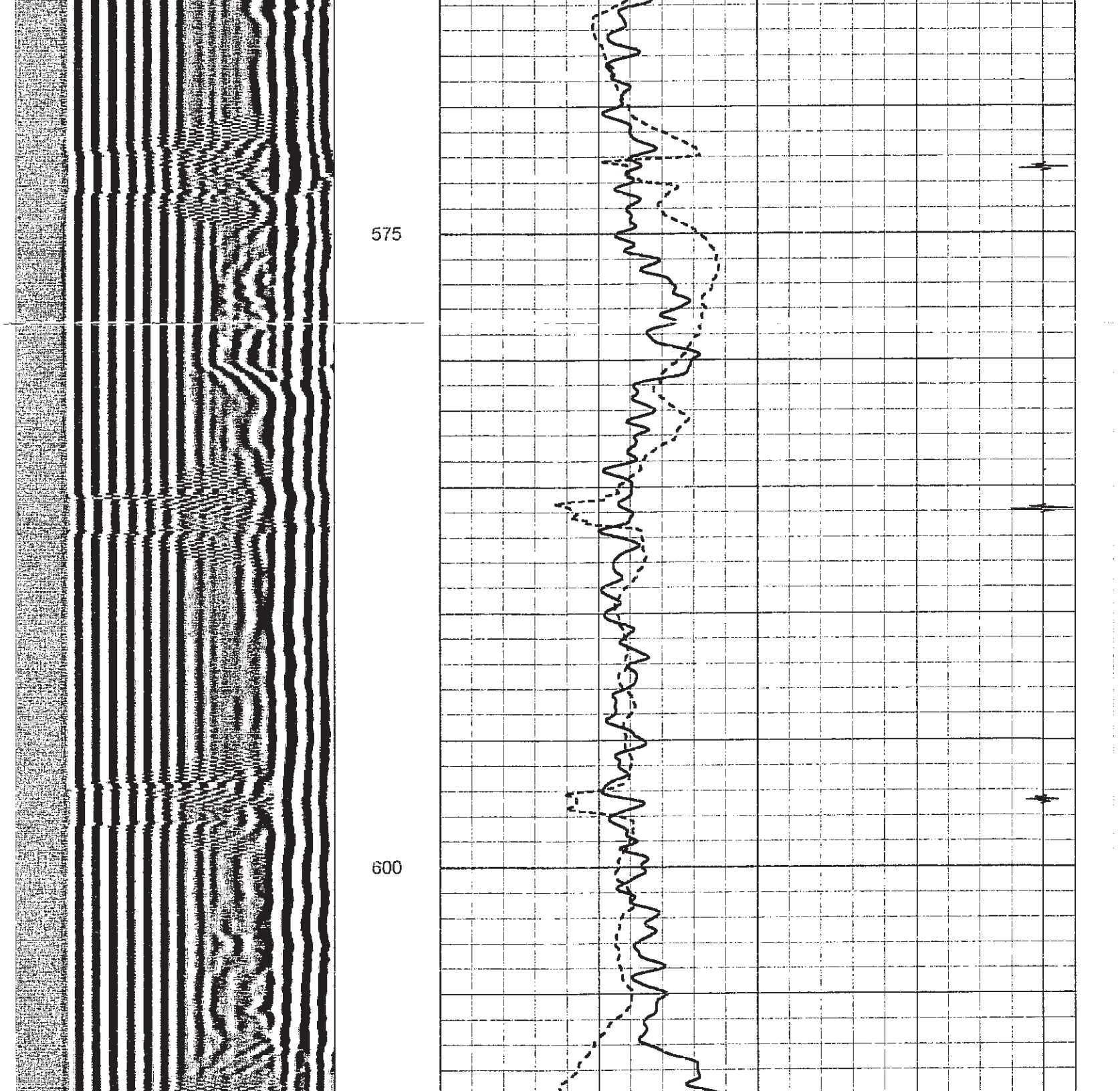
Presentation Format: 35neu.prs
Dataset Creation: Sun Jan 28 09:46:44 2001 by Log VER_5.4
Charted by: Depth in Meters scaled 1:200

200 DENSIDAD VARIABLE 1200

0 CBL (mV) 100 -9 CCL 1

100 NEU 550

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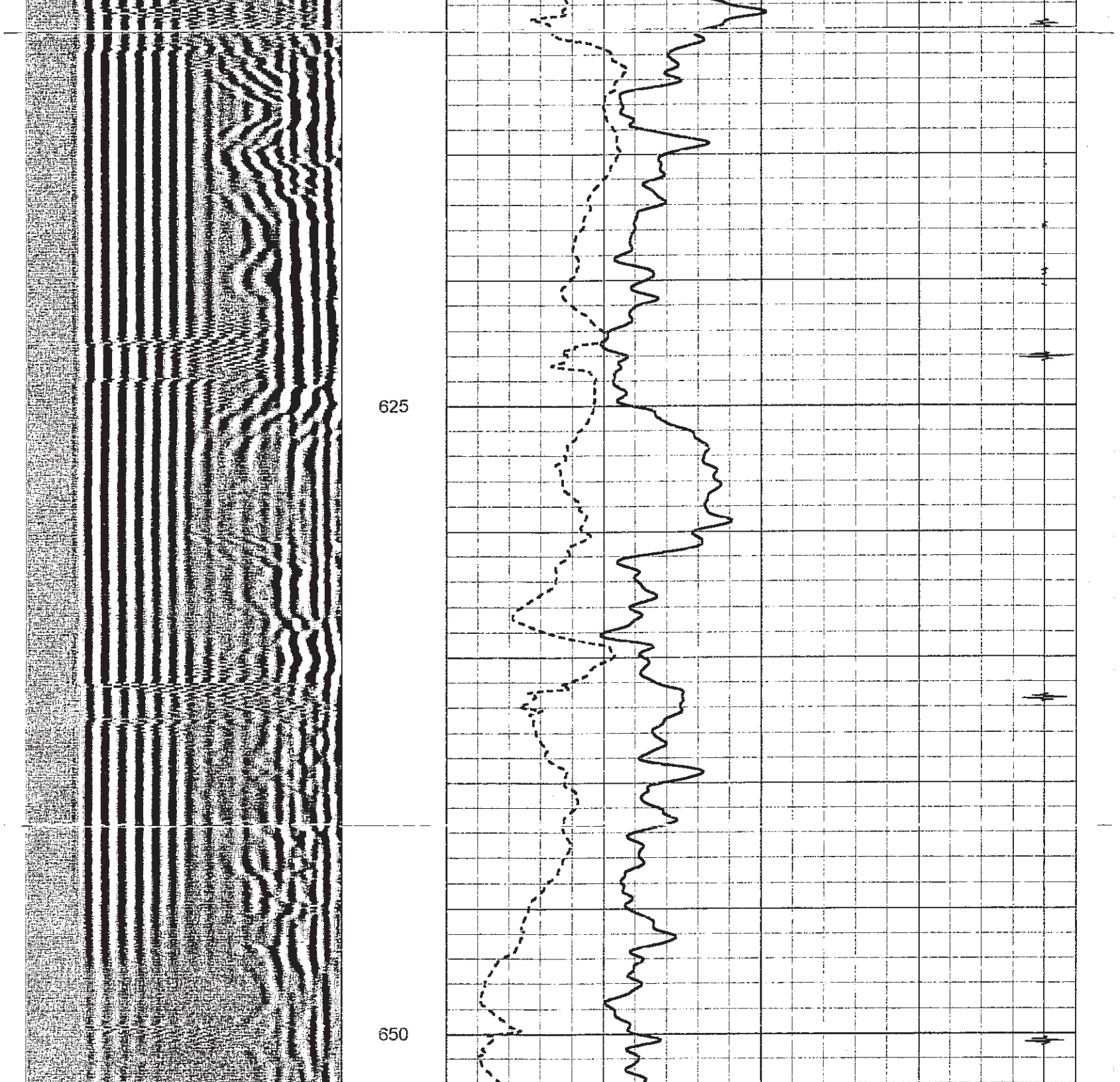
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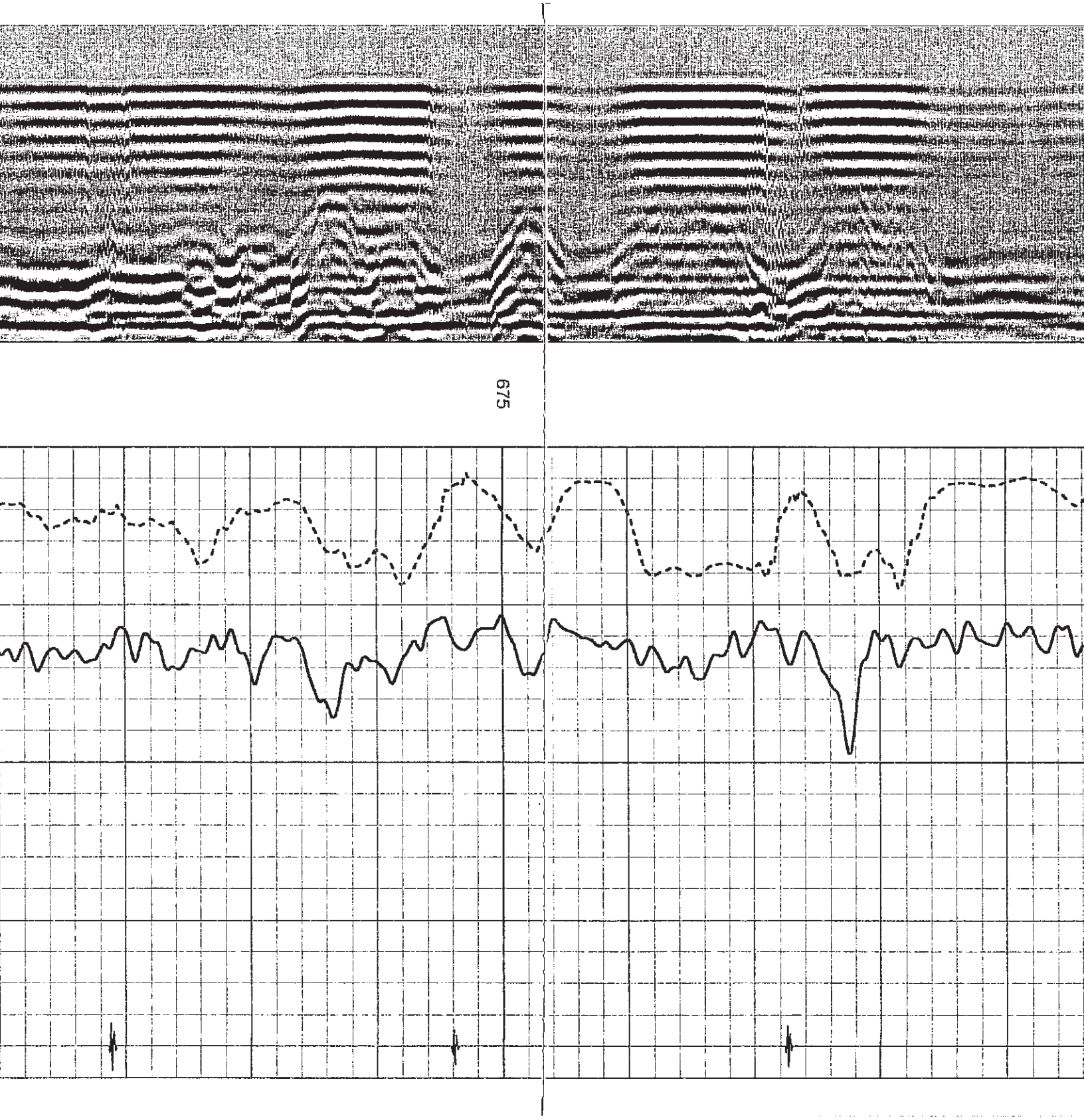
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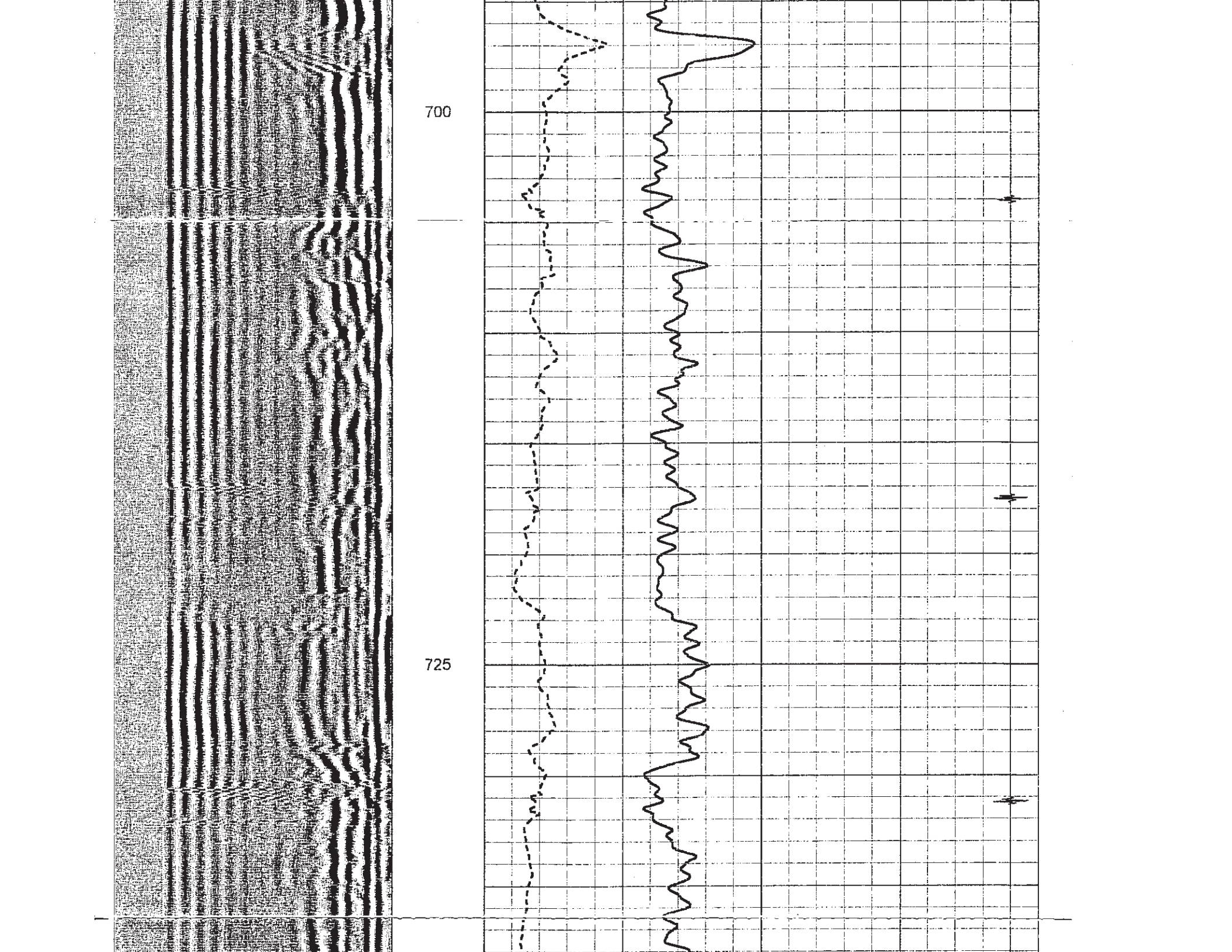
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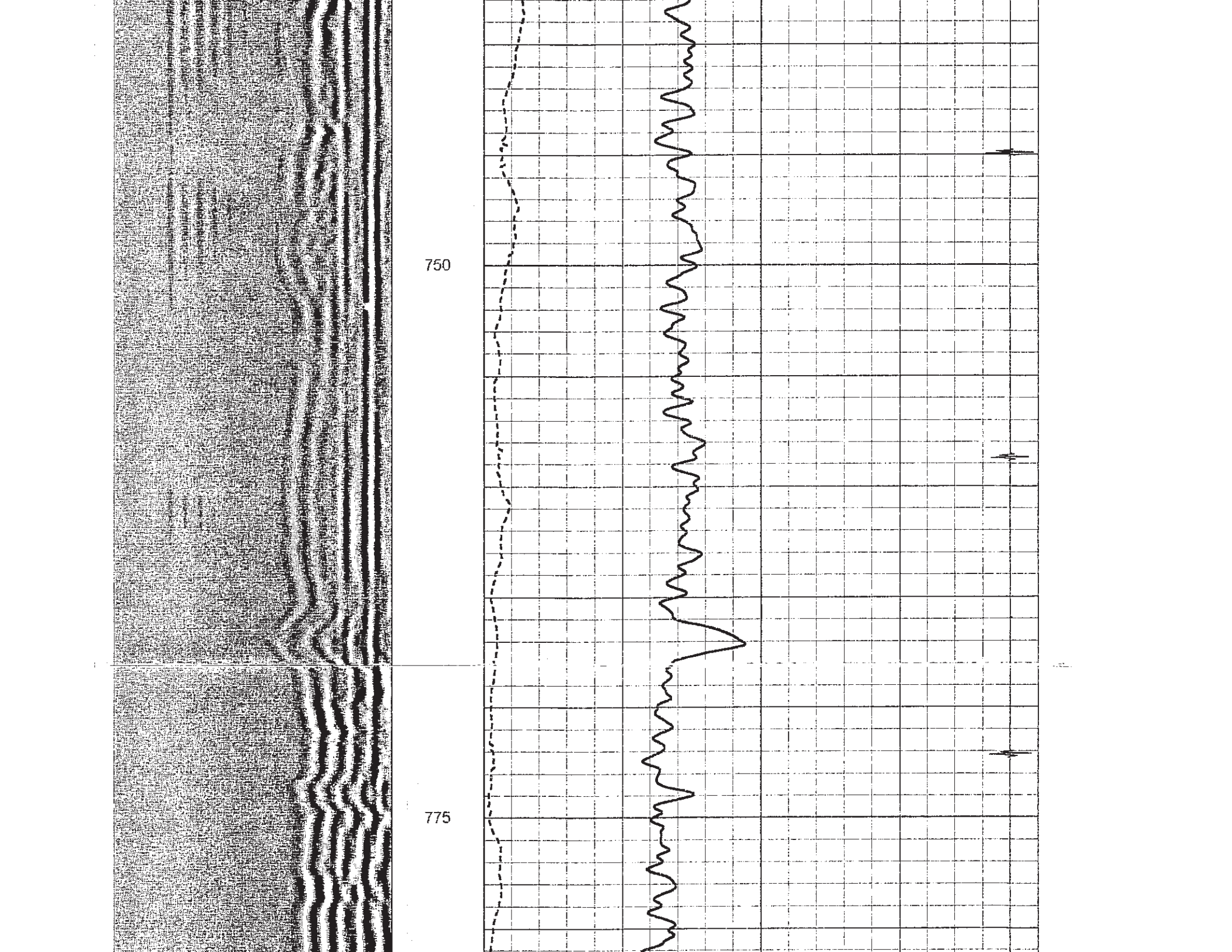
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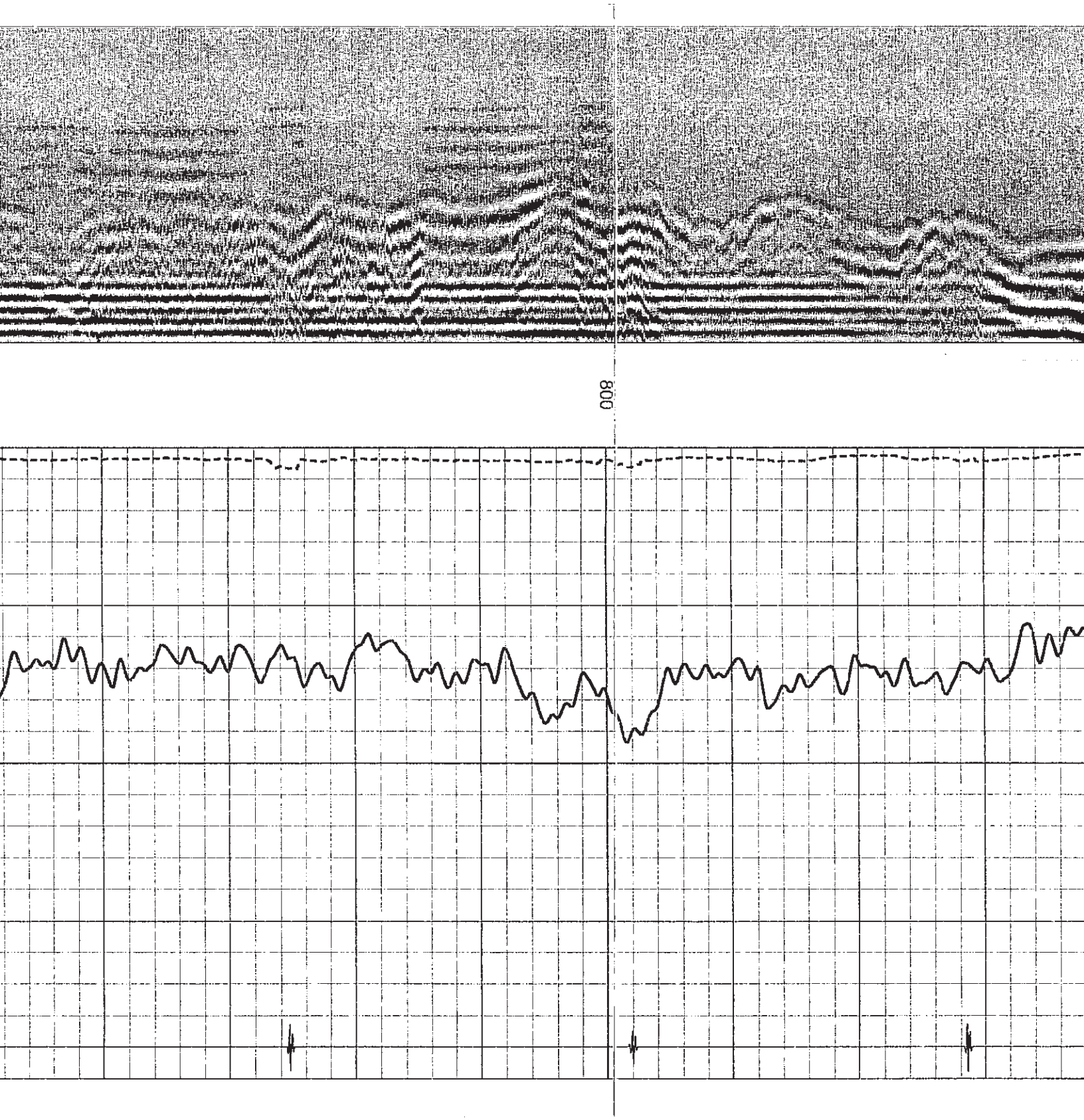
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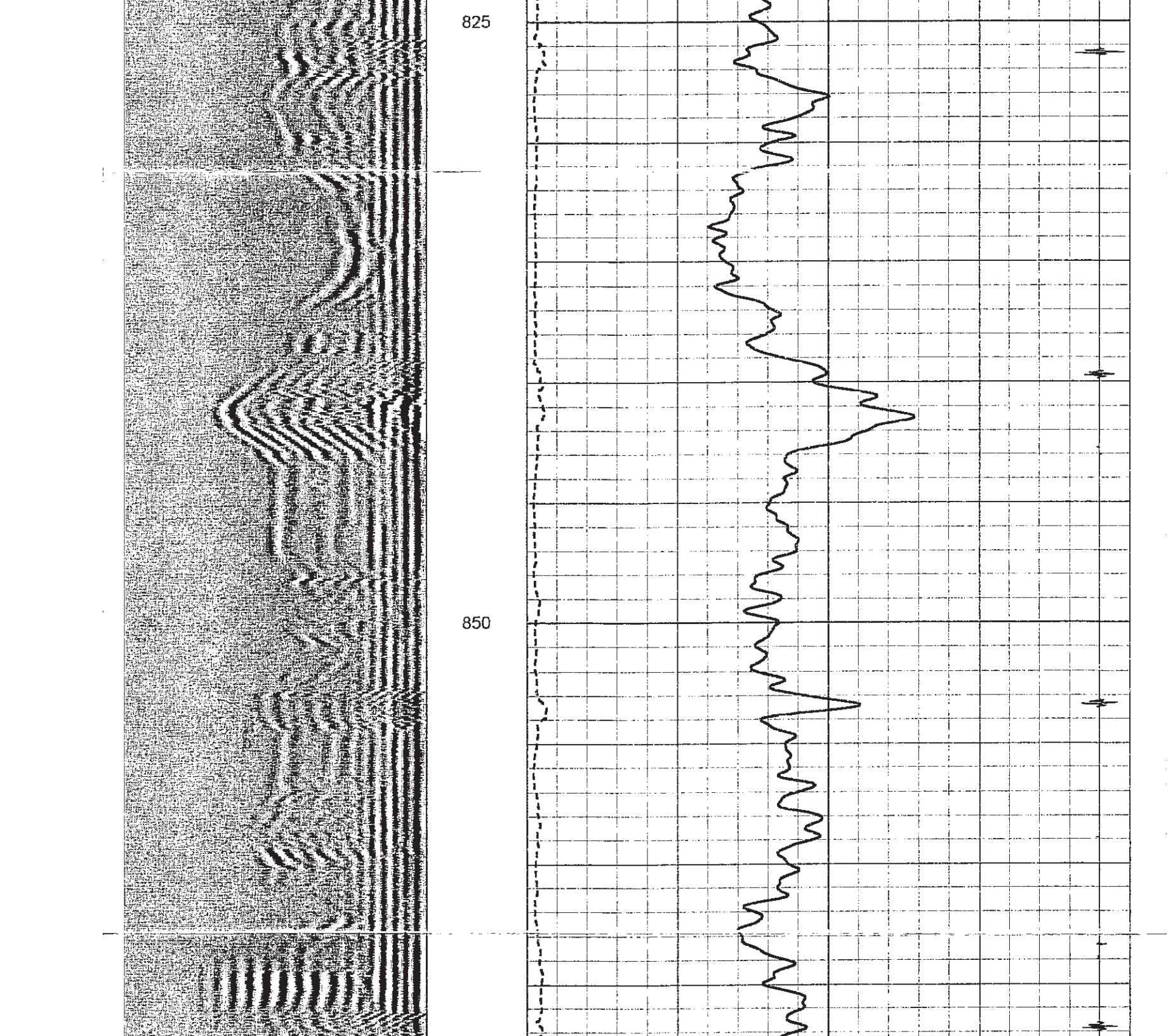
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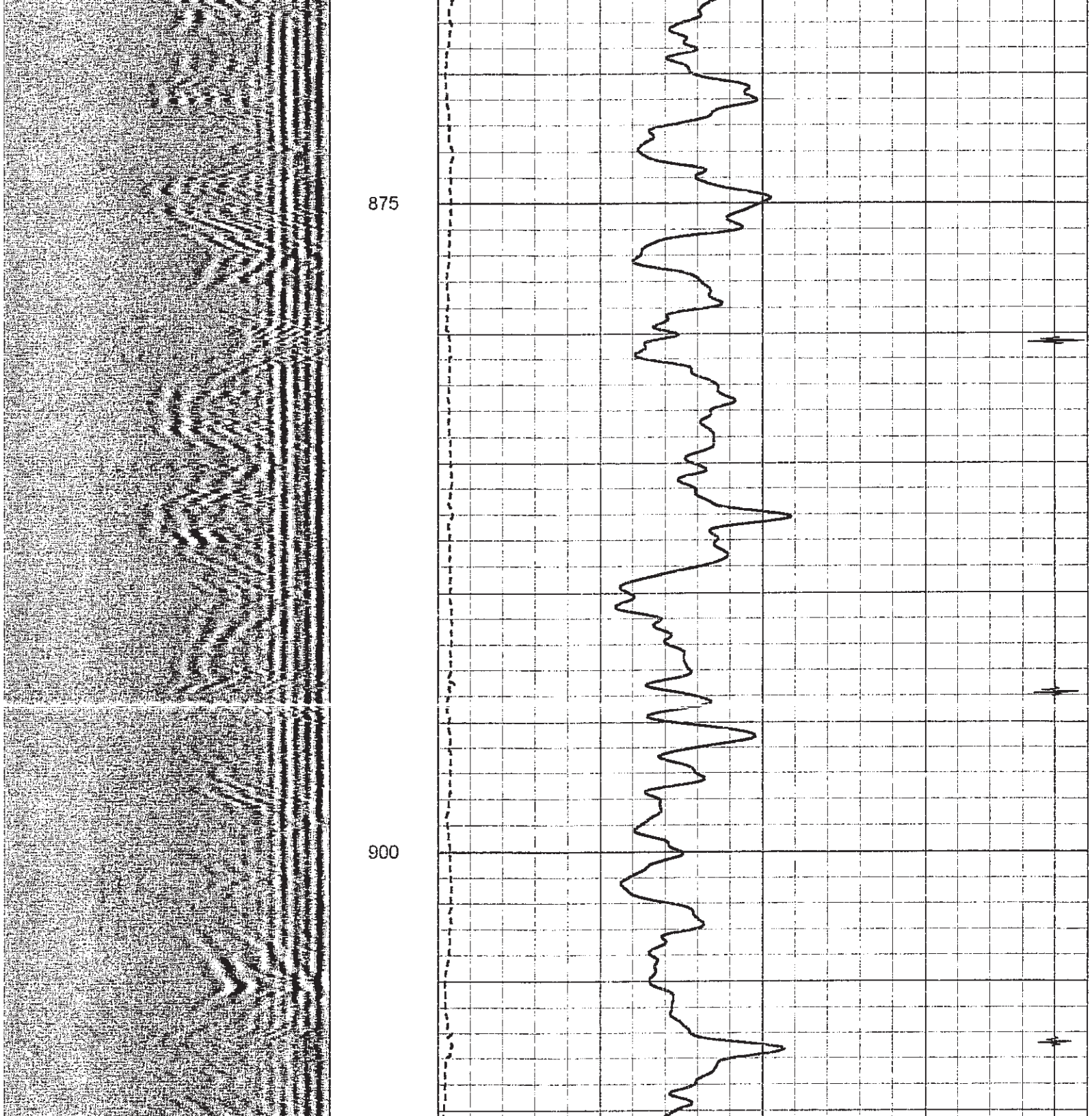
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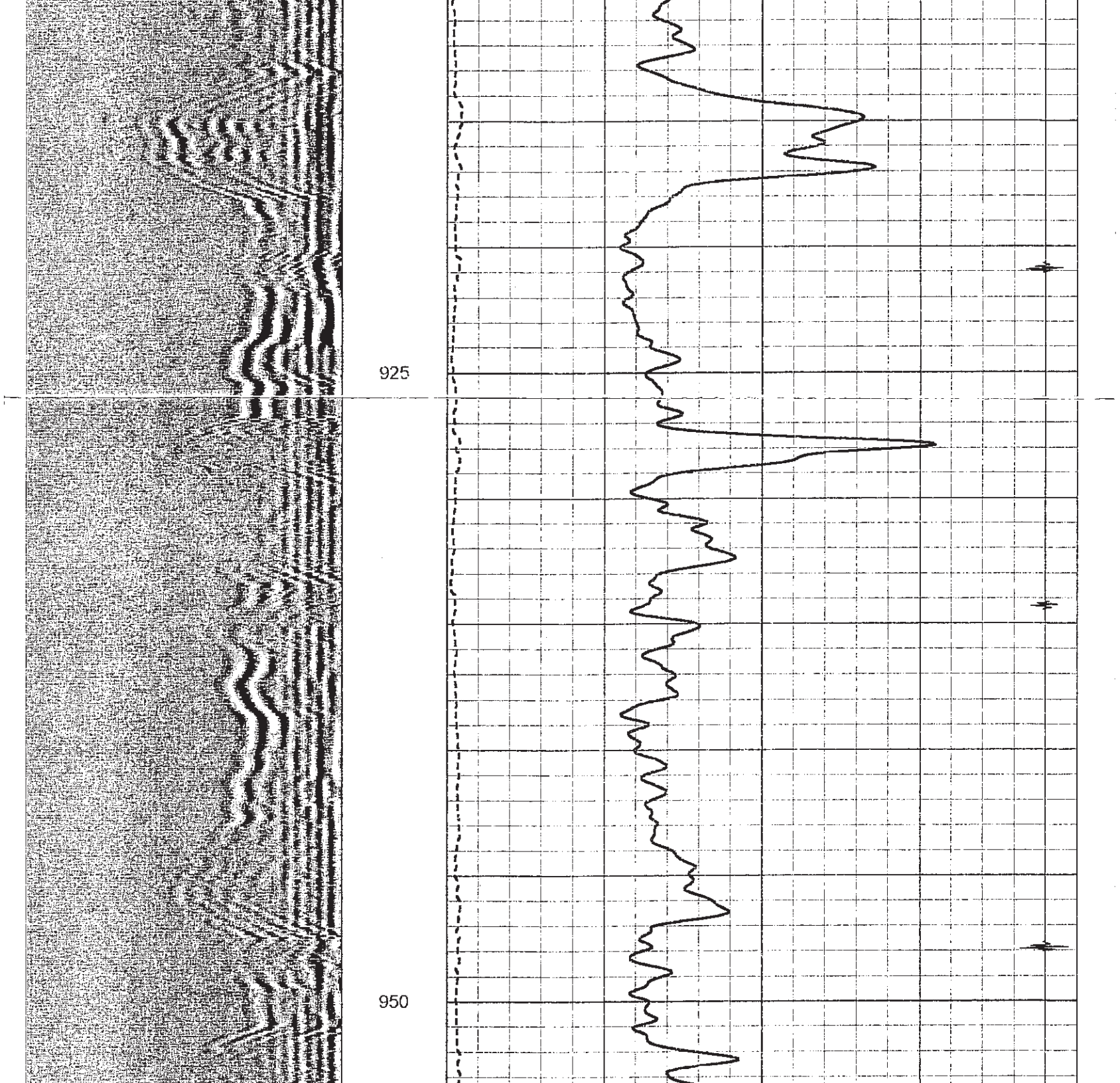
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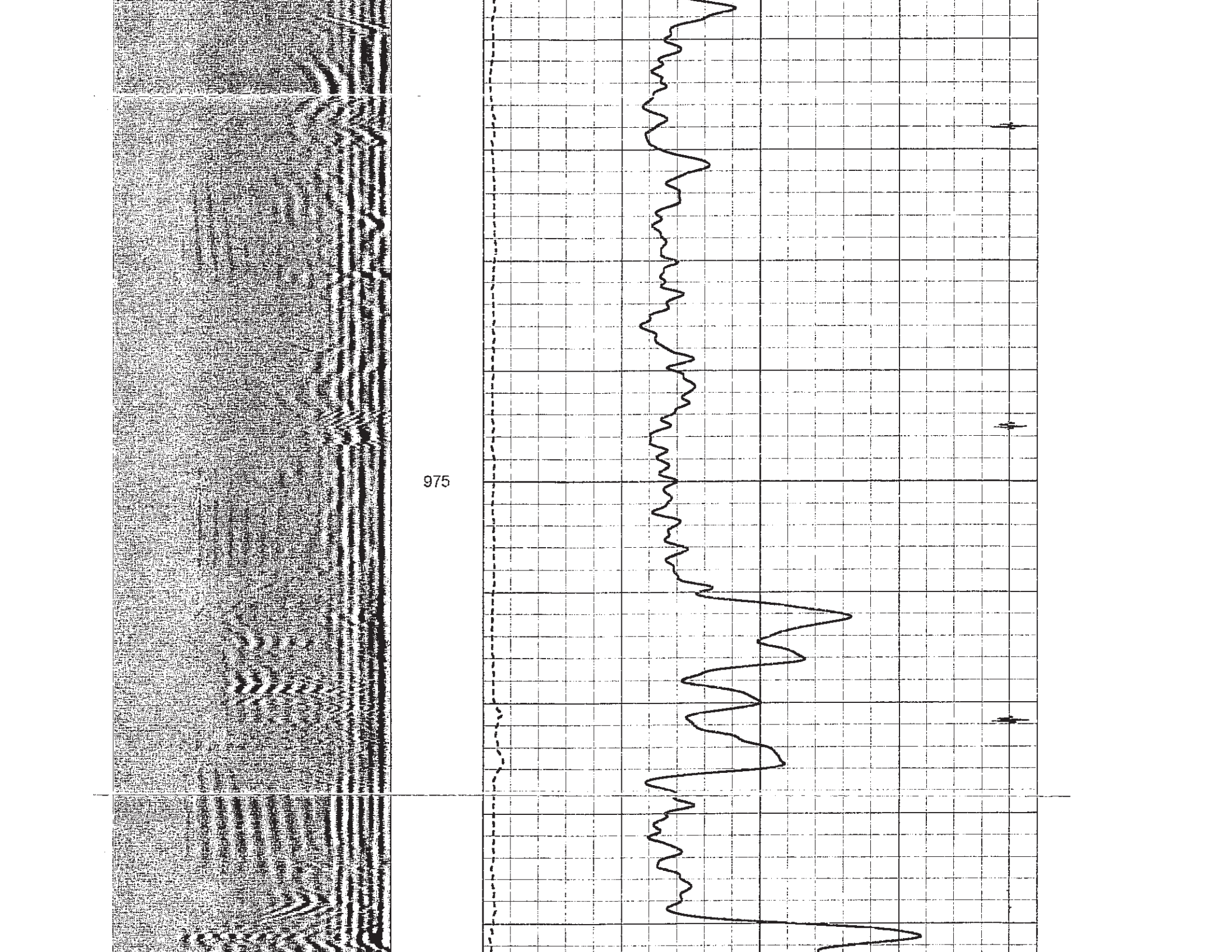
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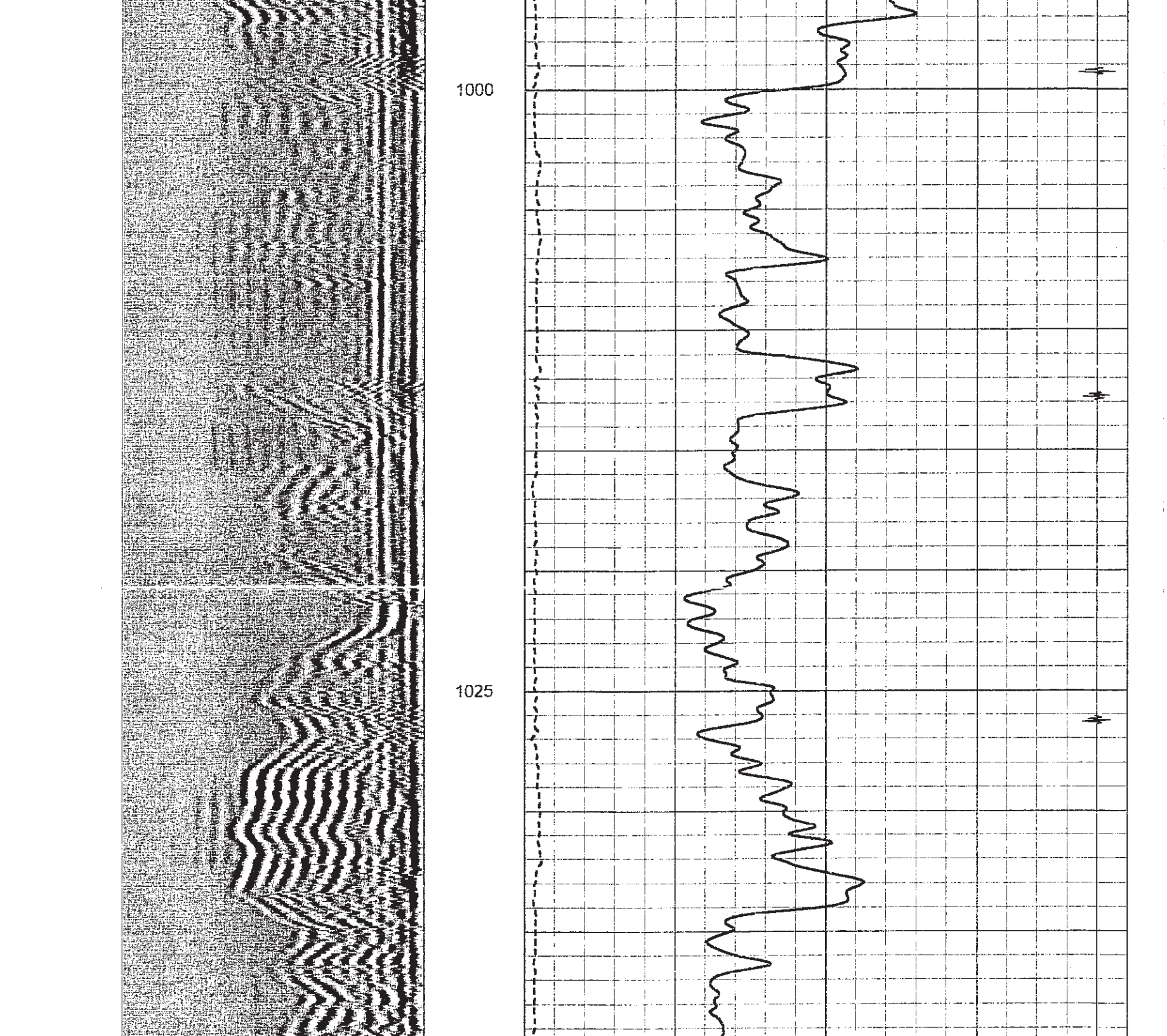
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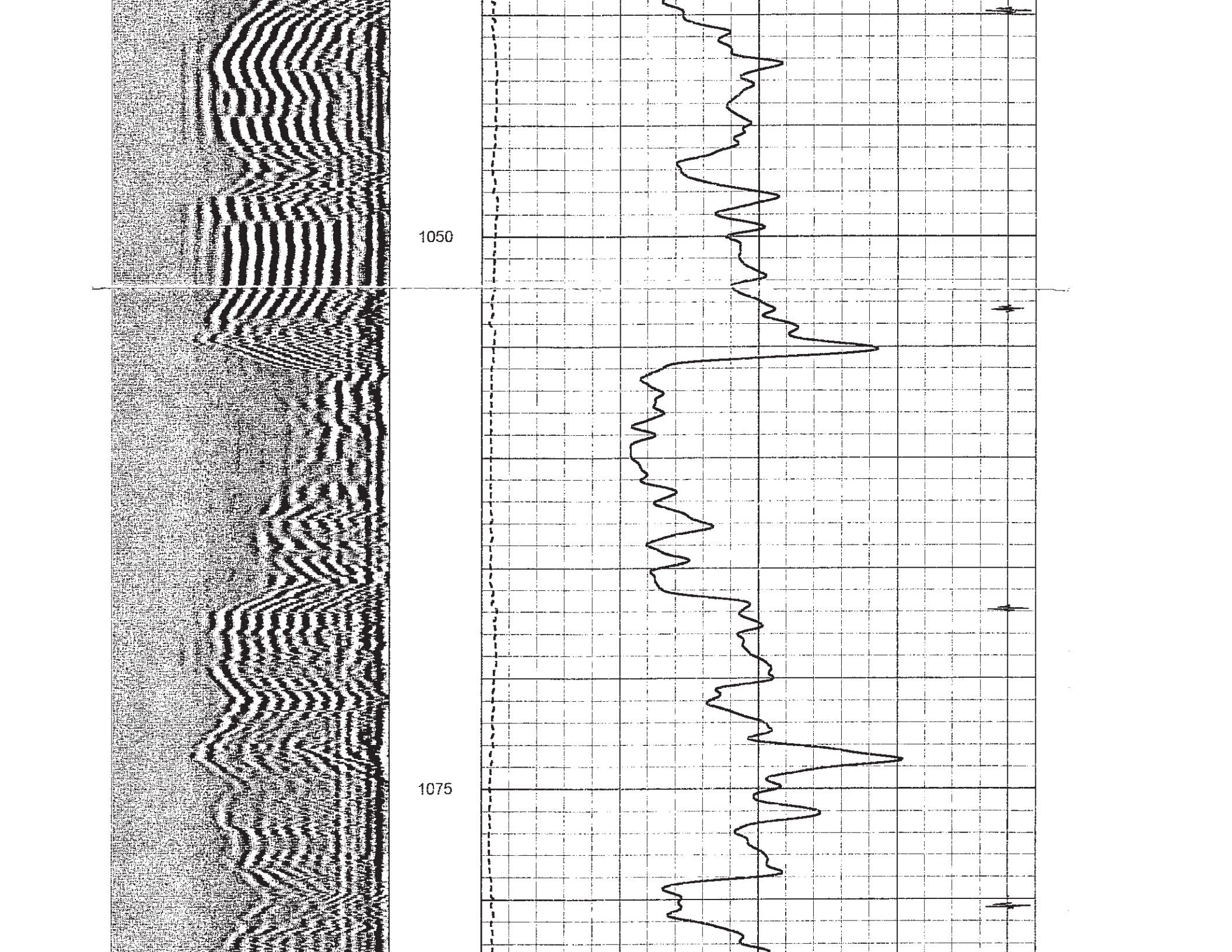
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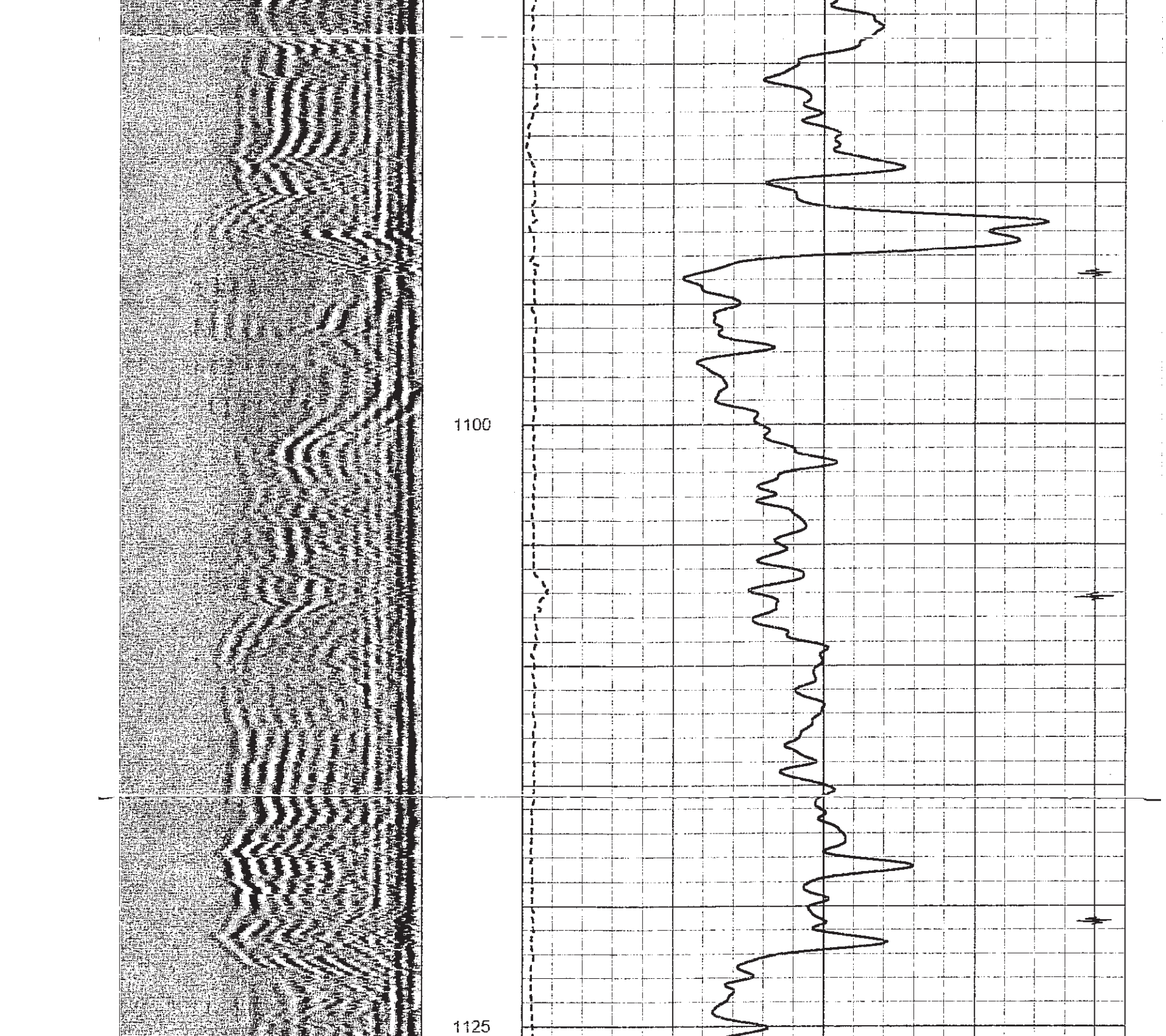
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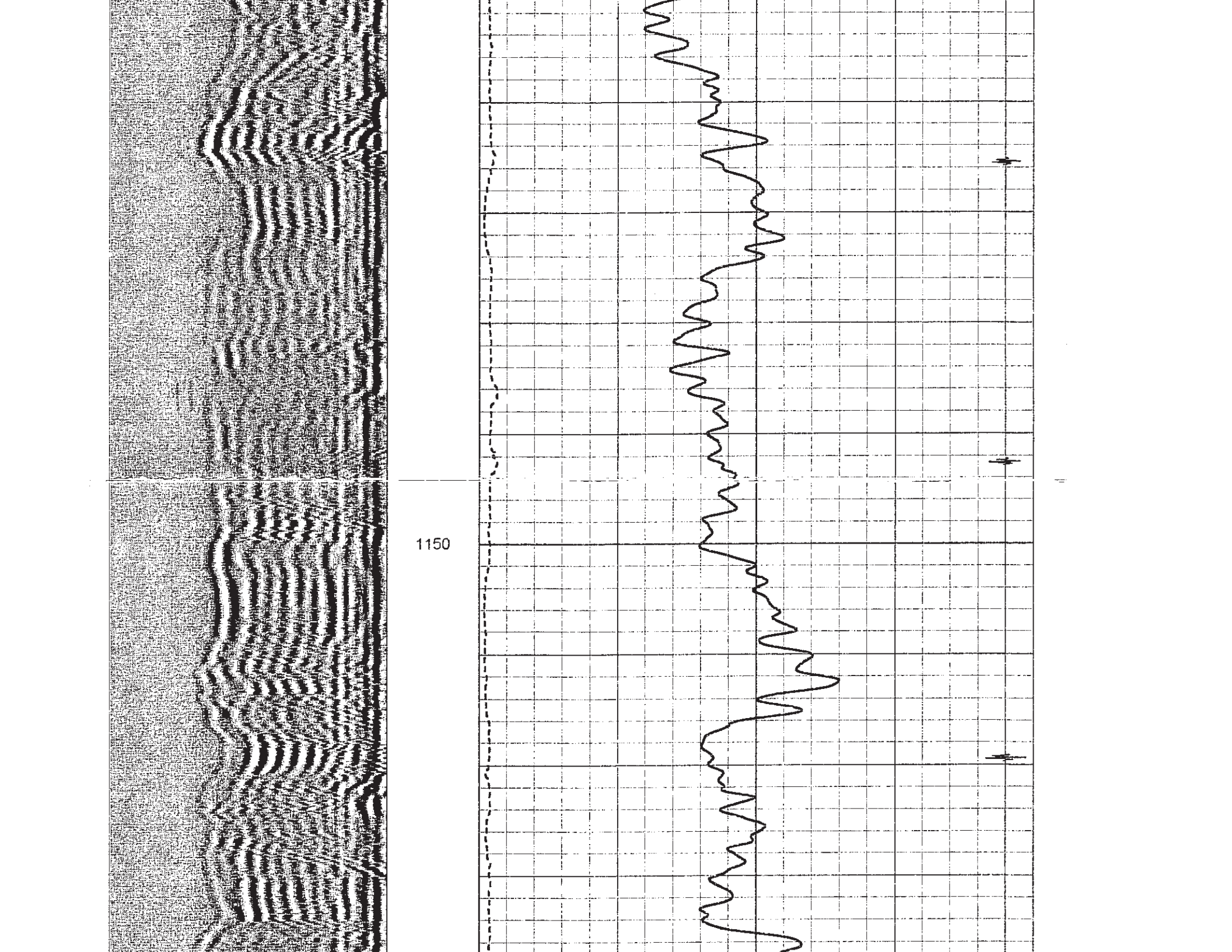
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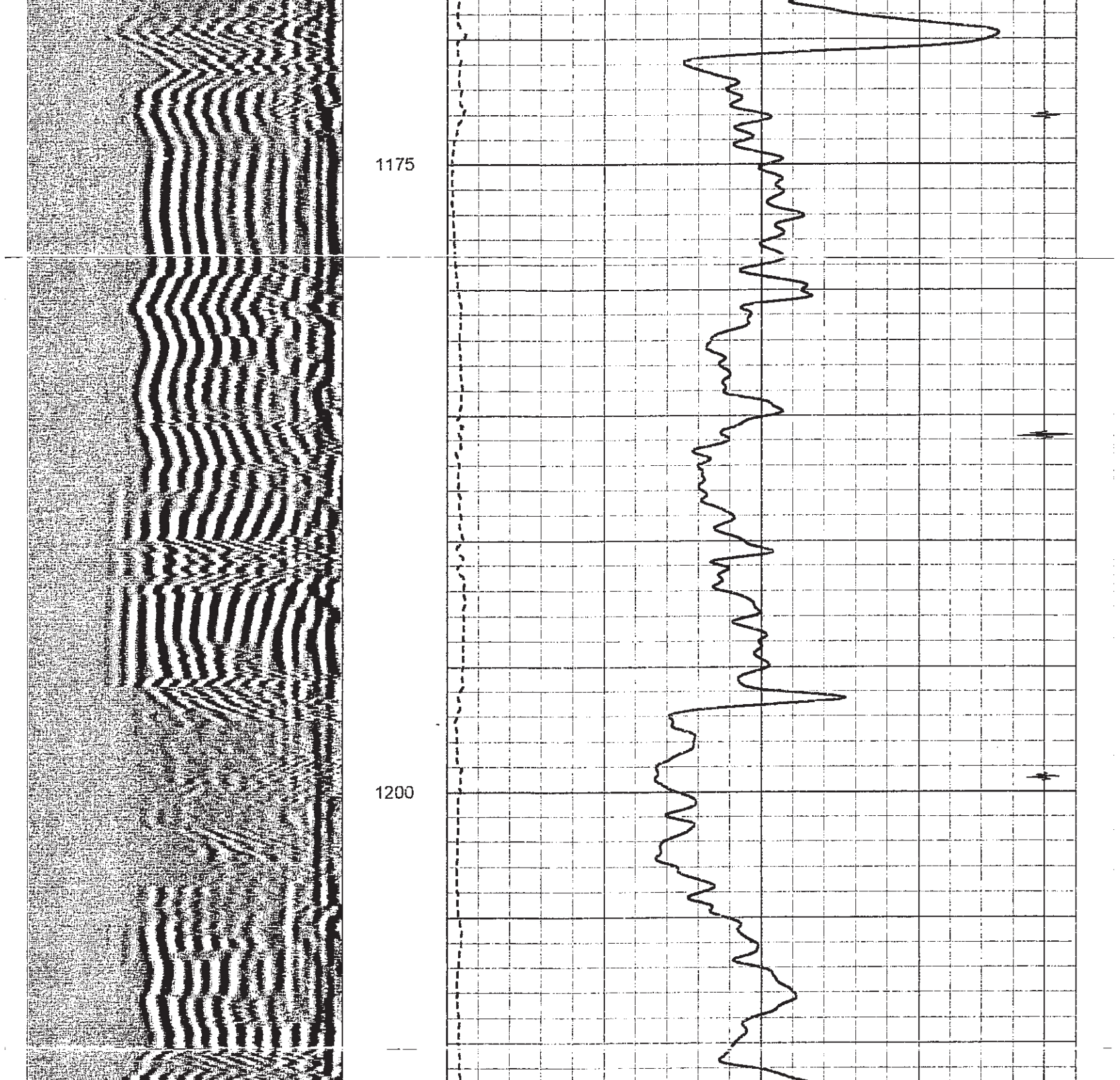
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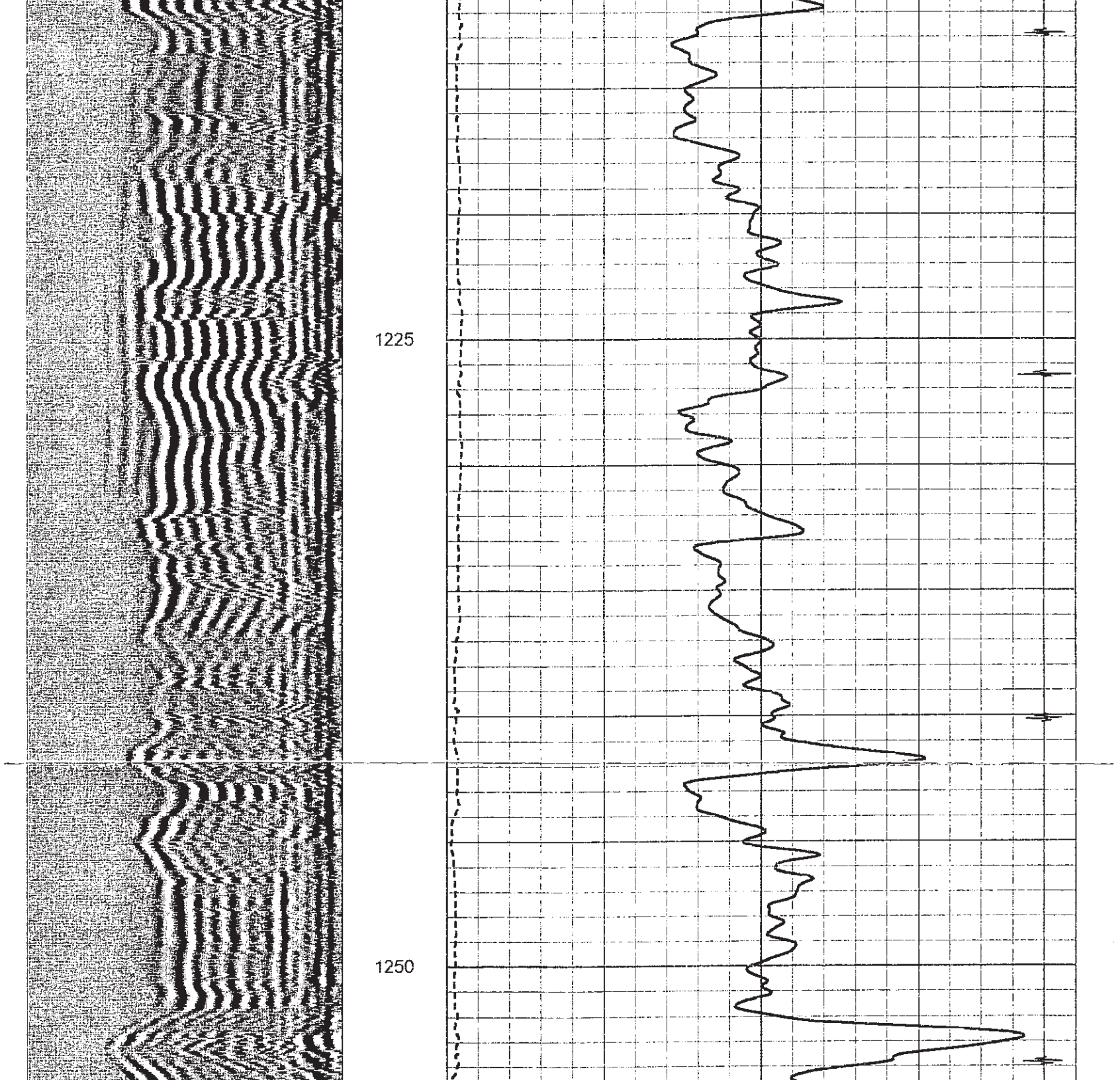
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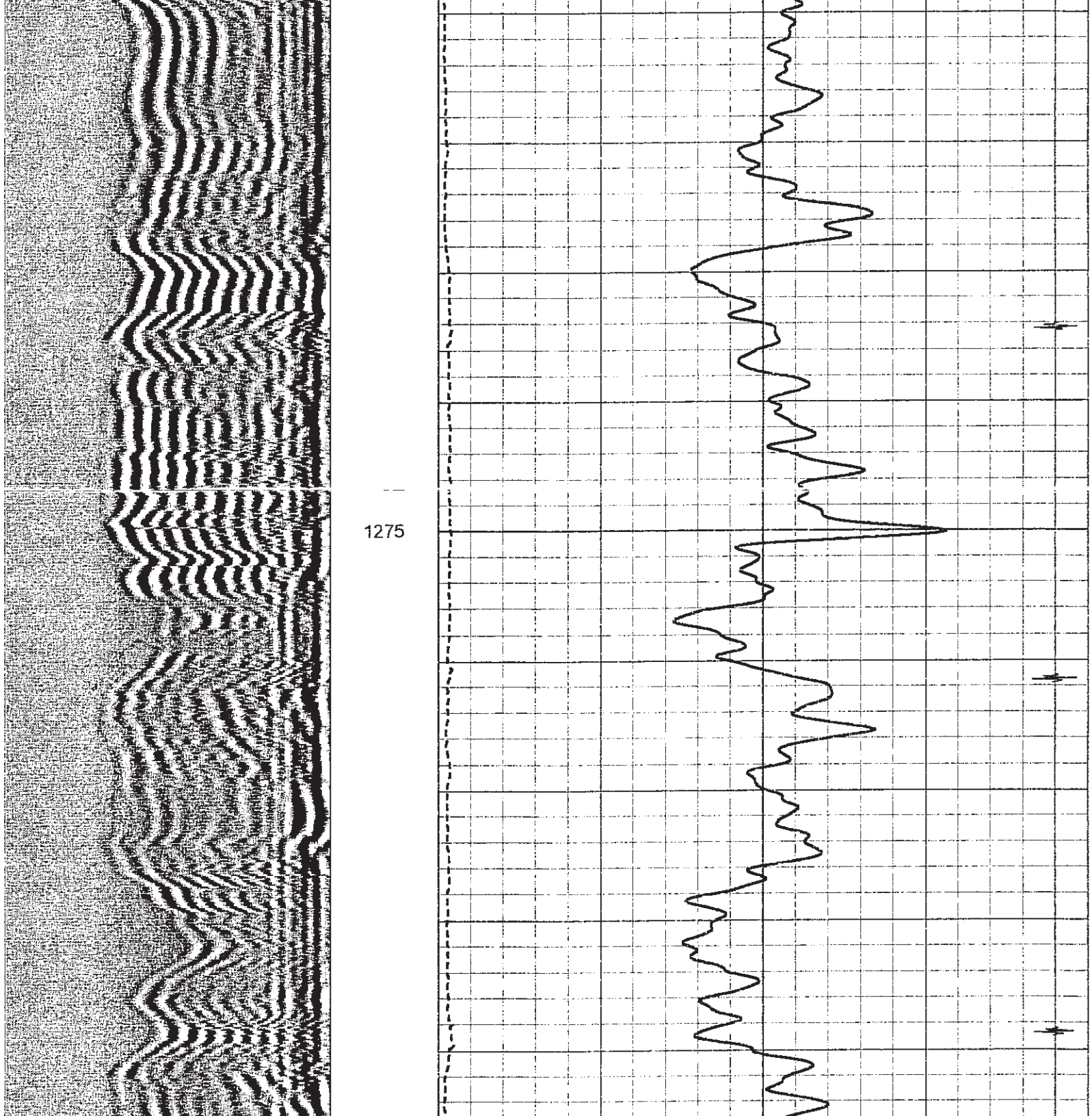
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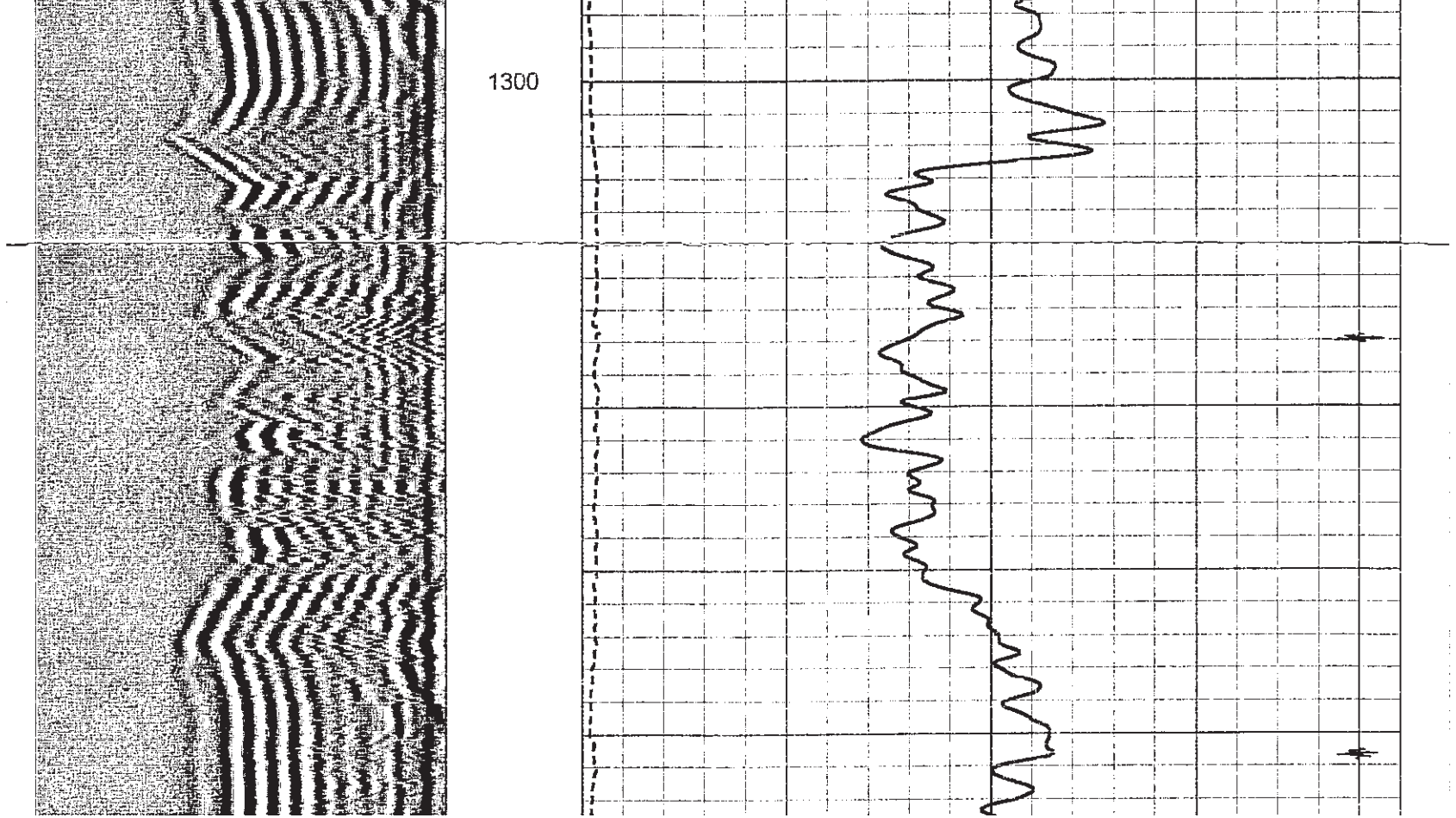
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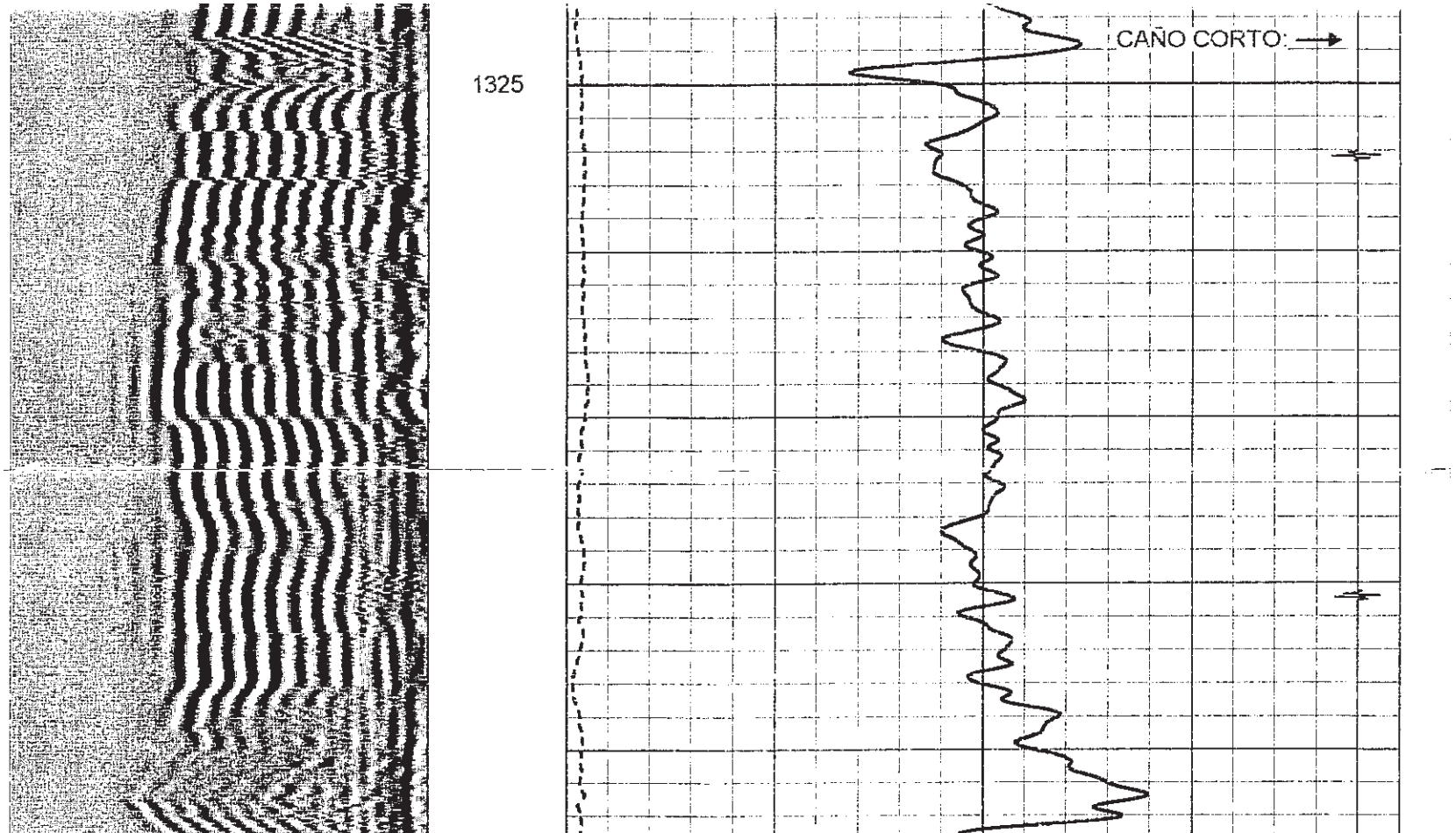
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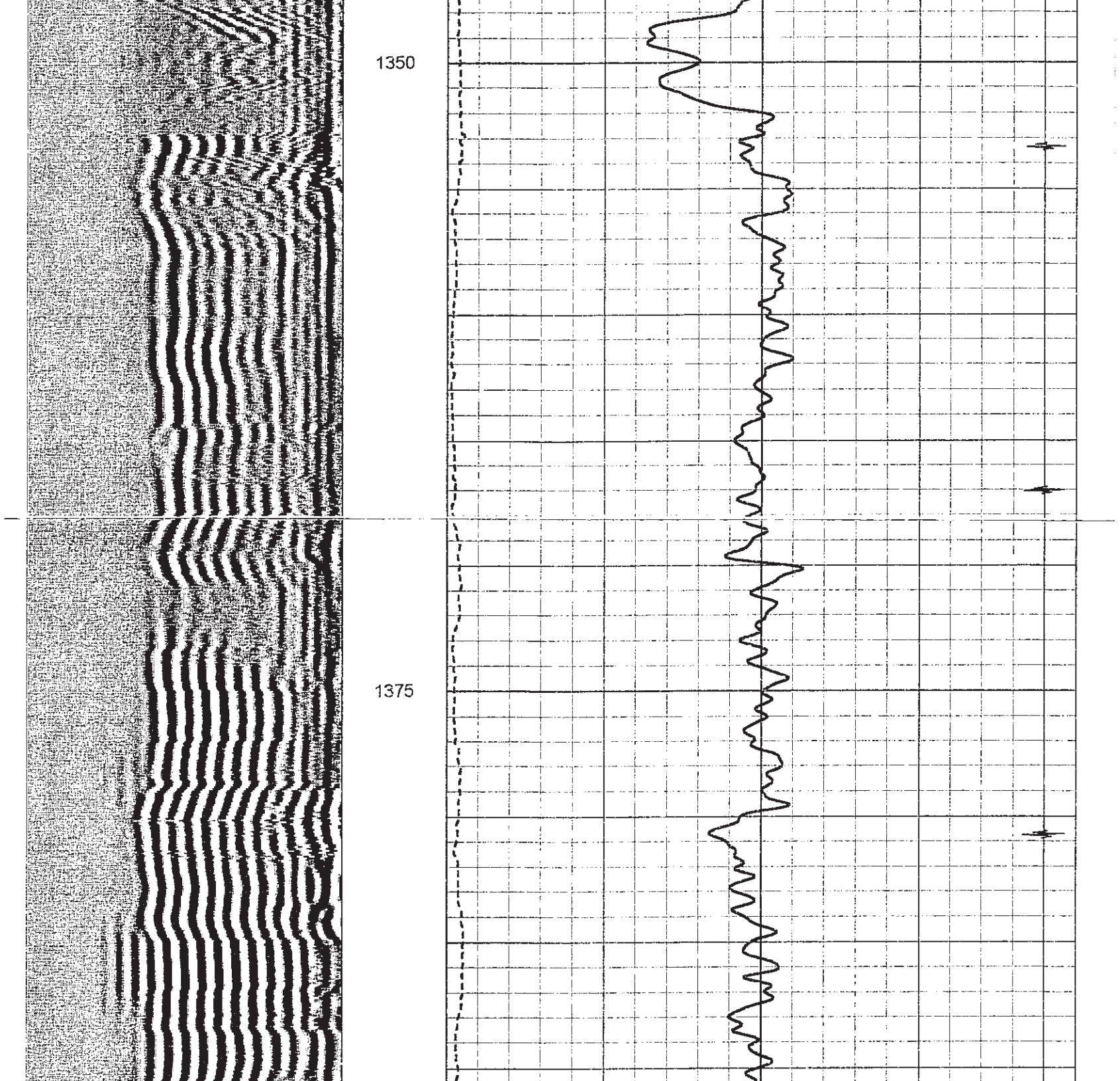
CAÑO CORTO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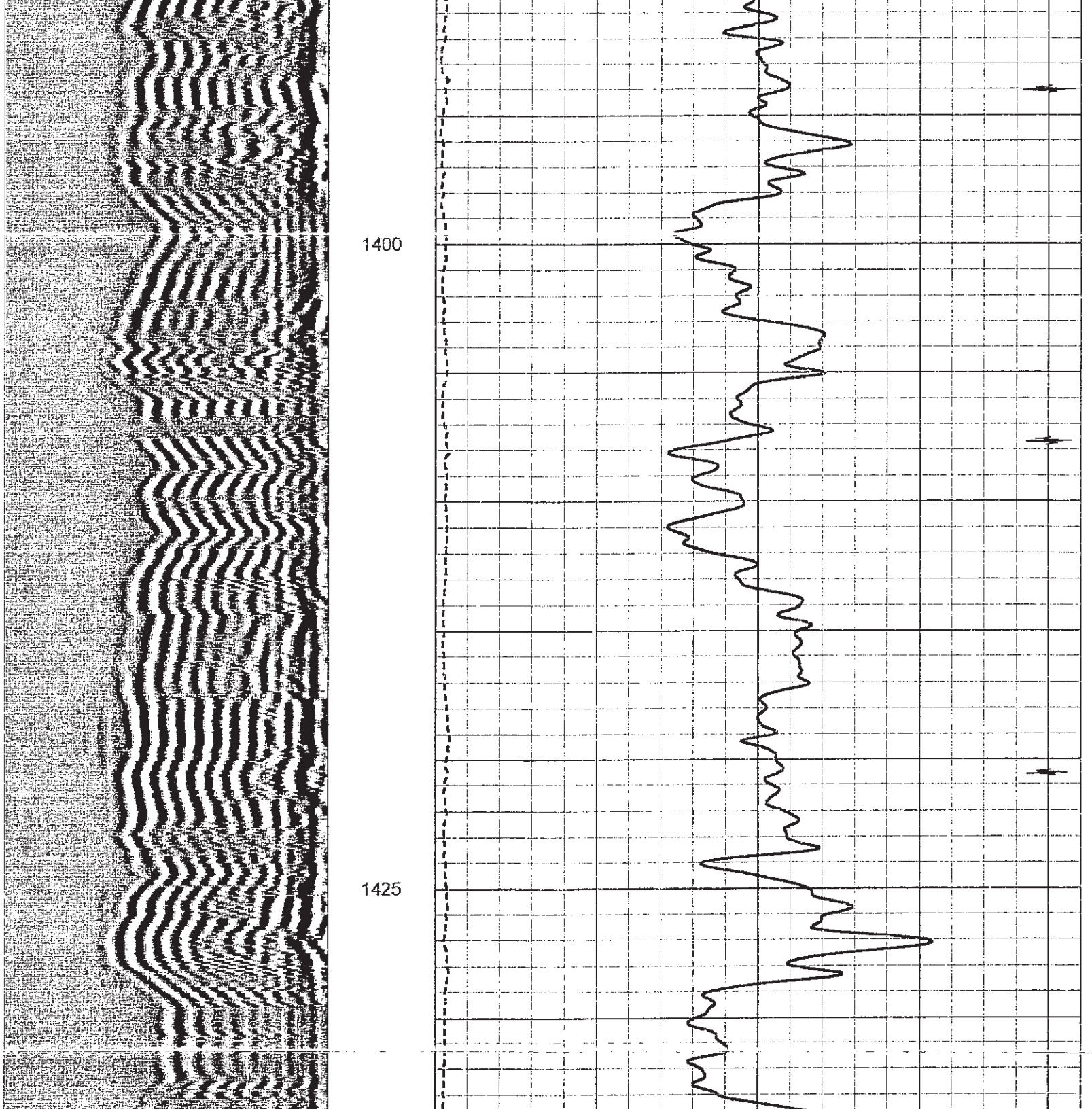
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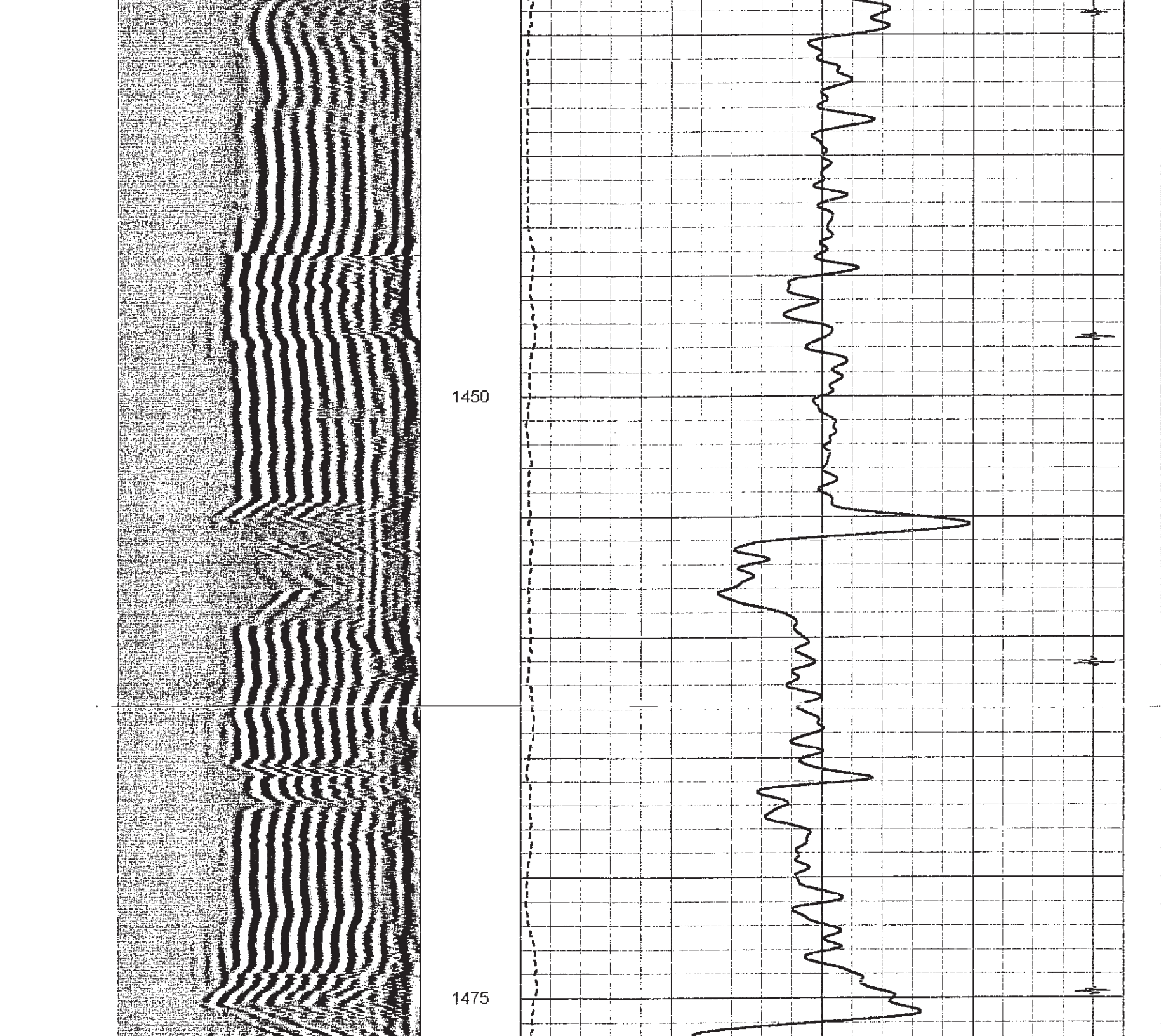
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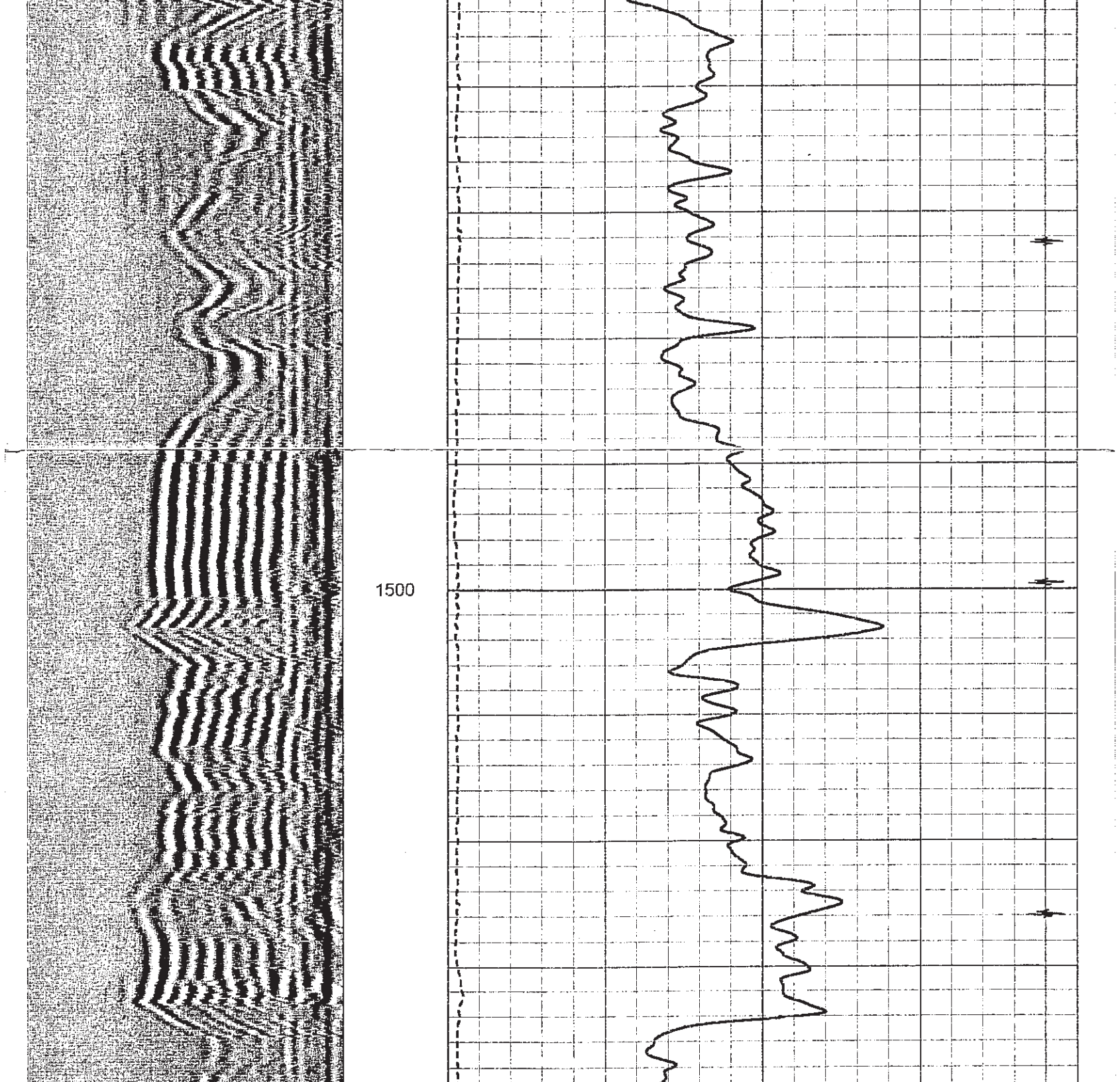
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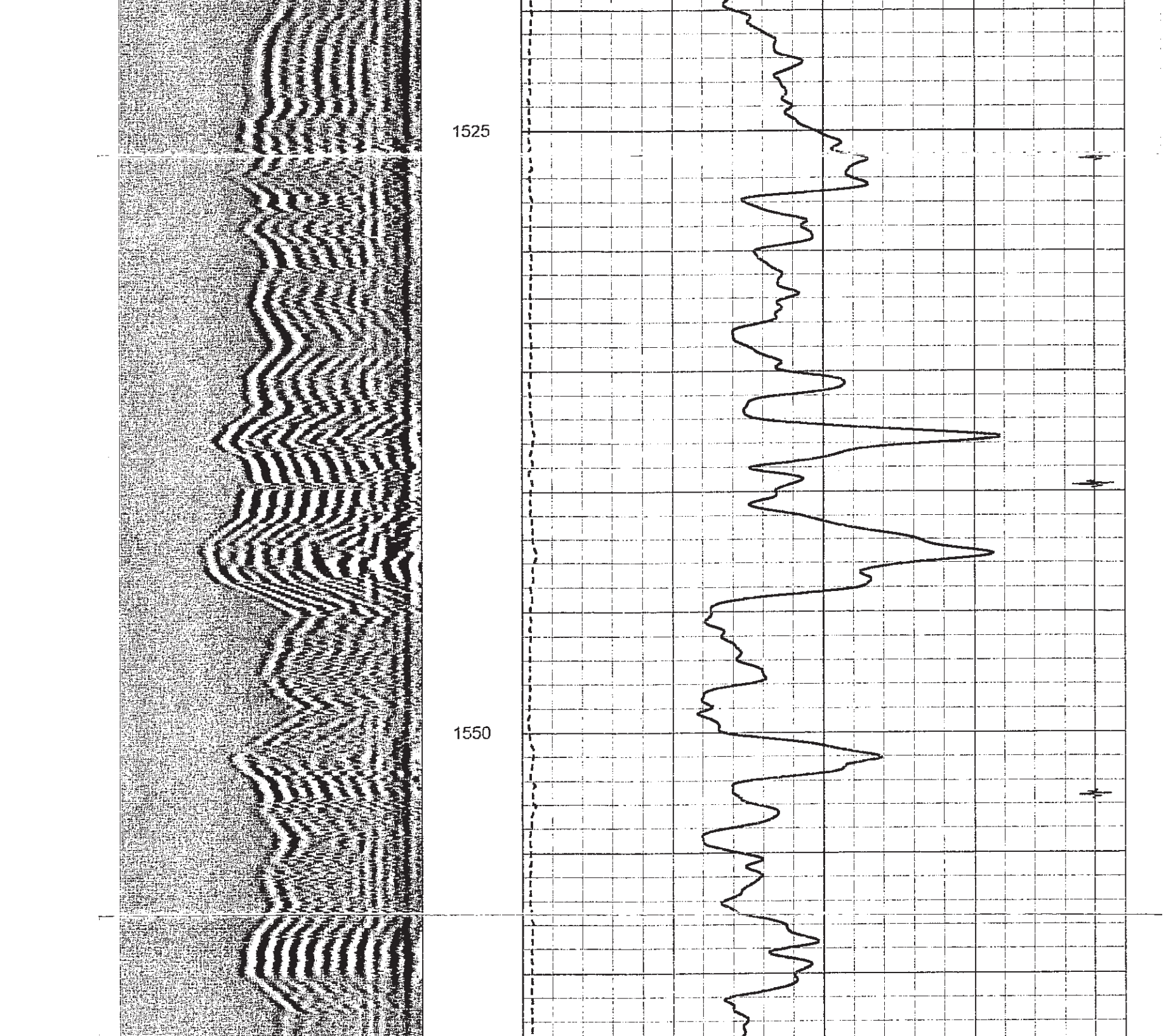
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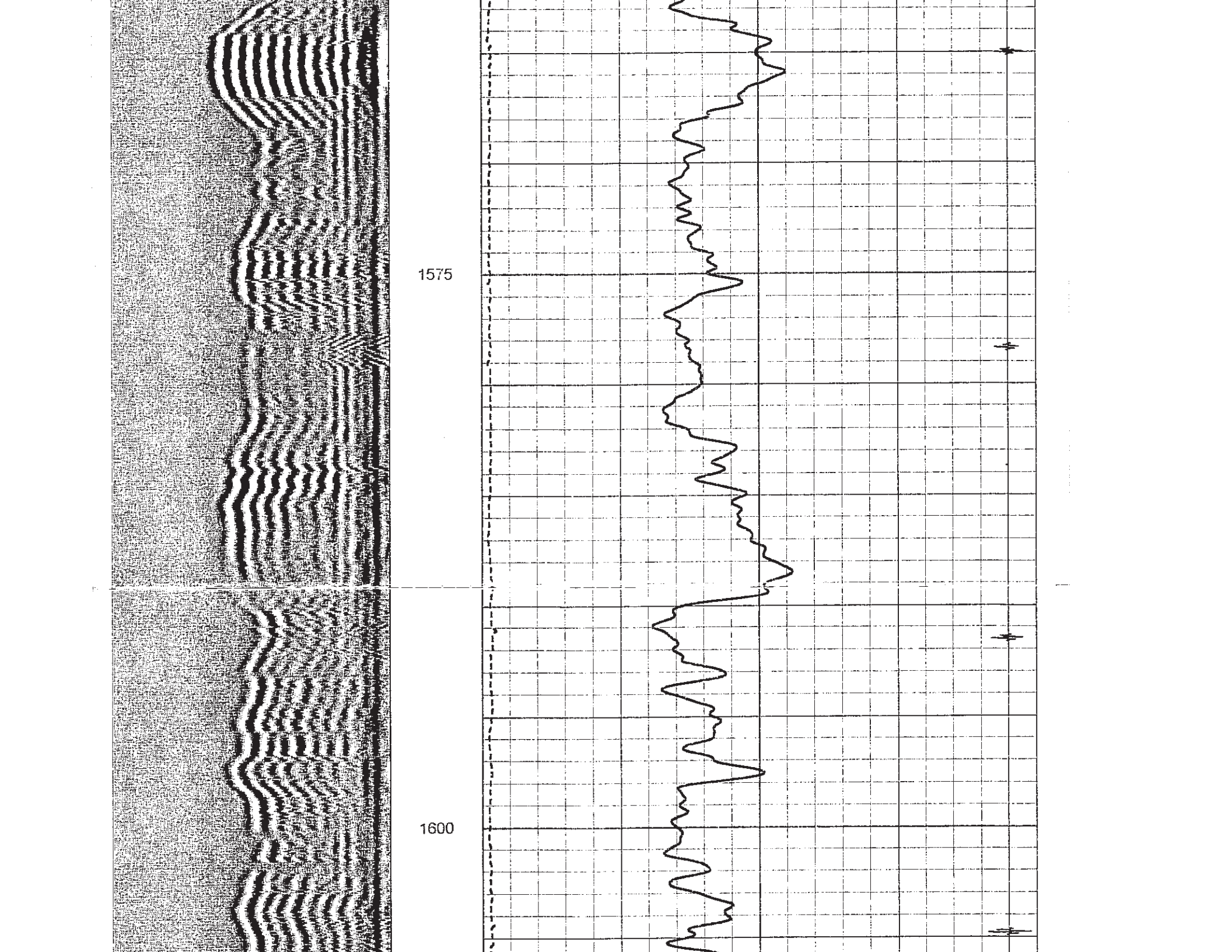
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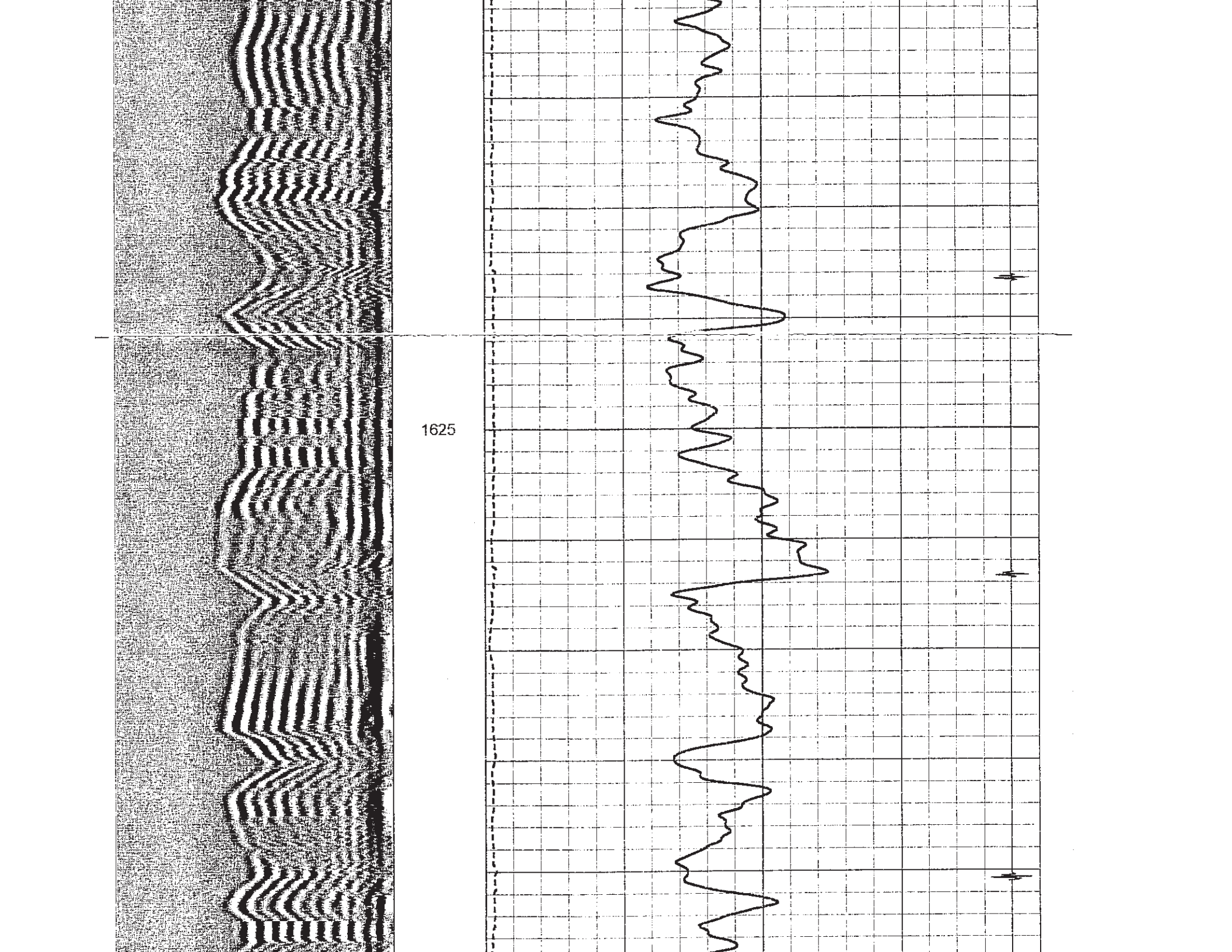
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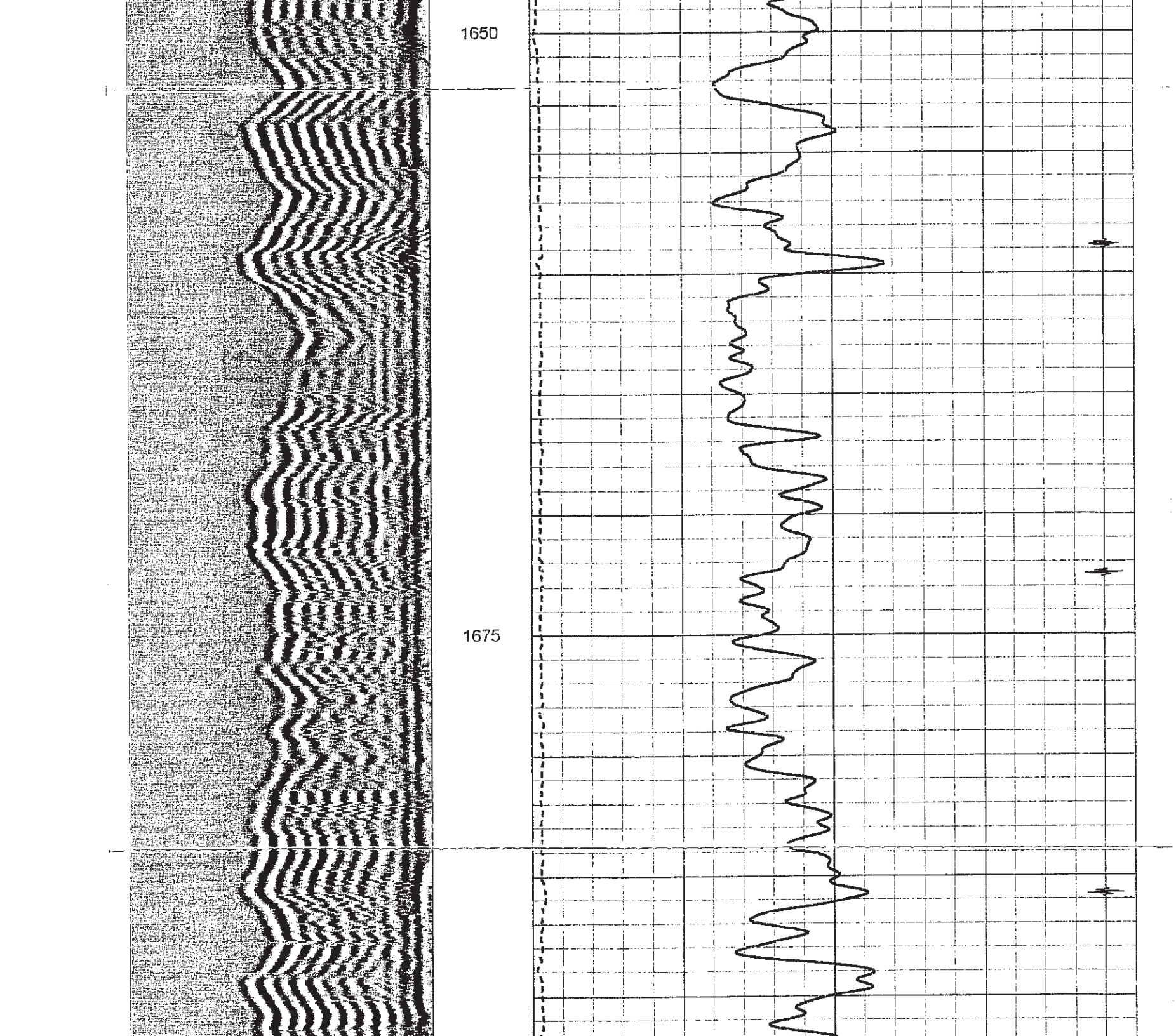
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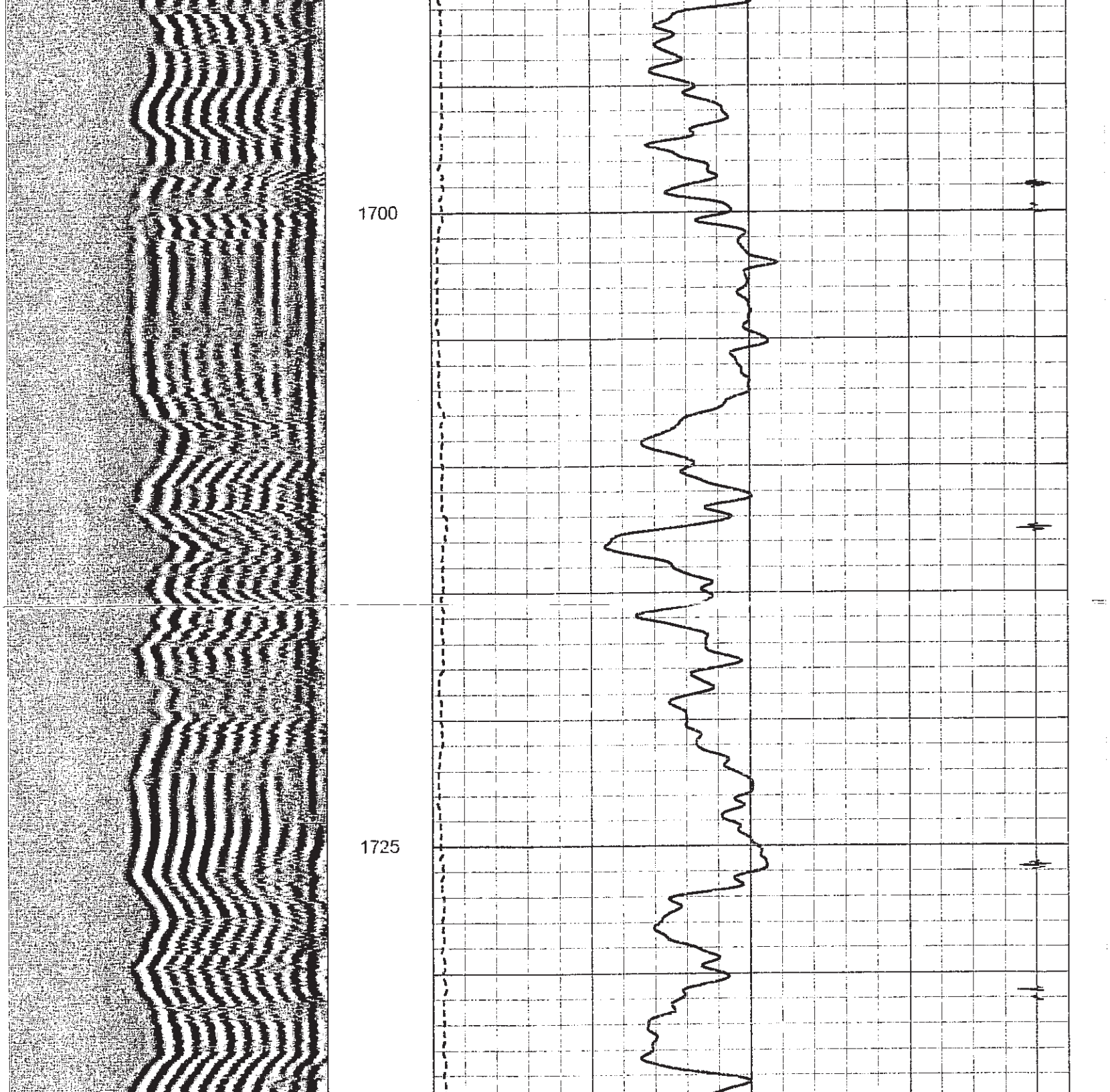
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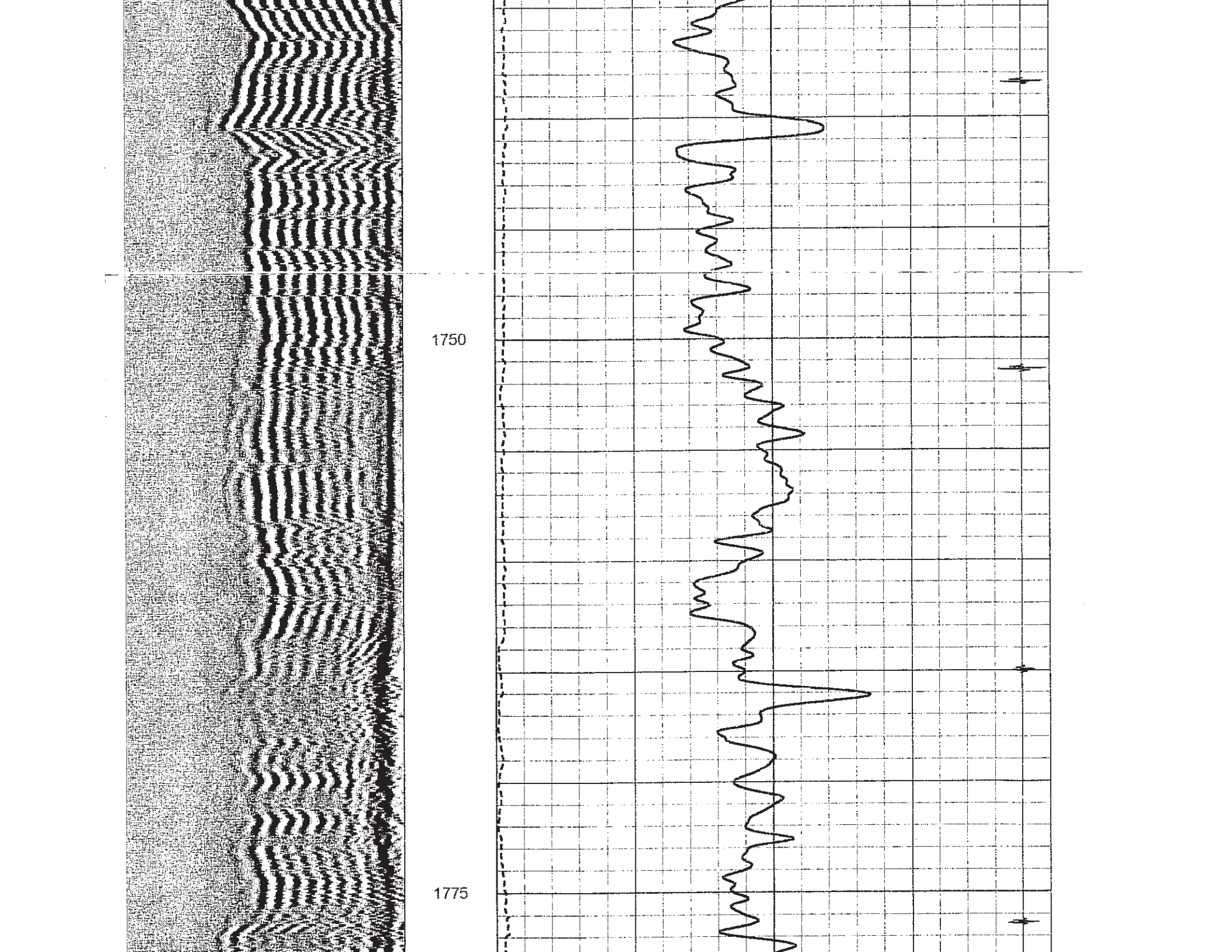
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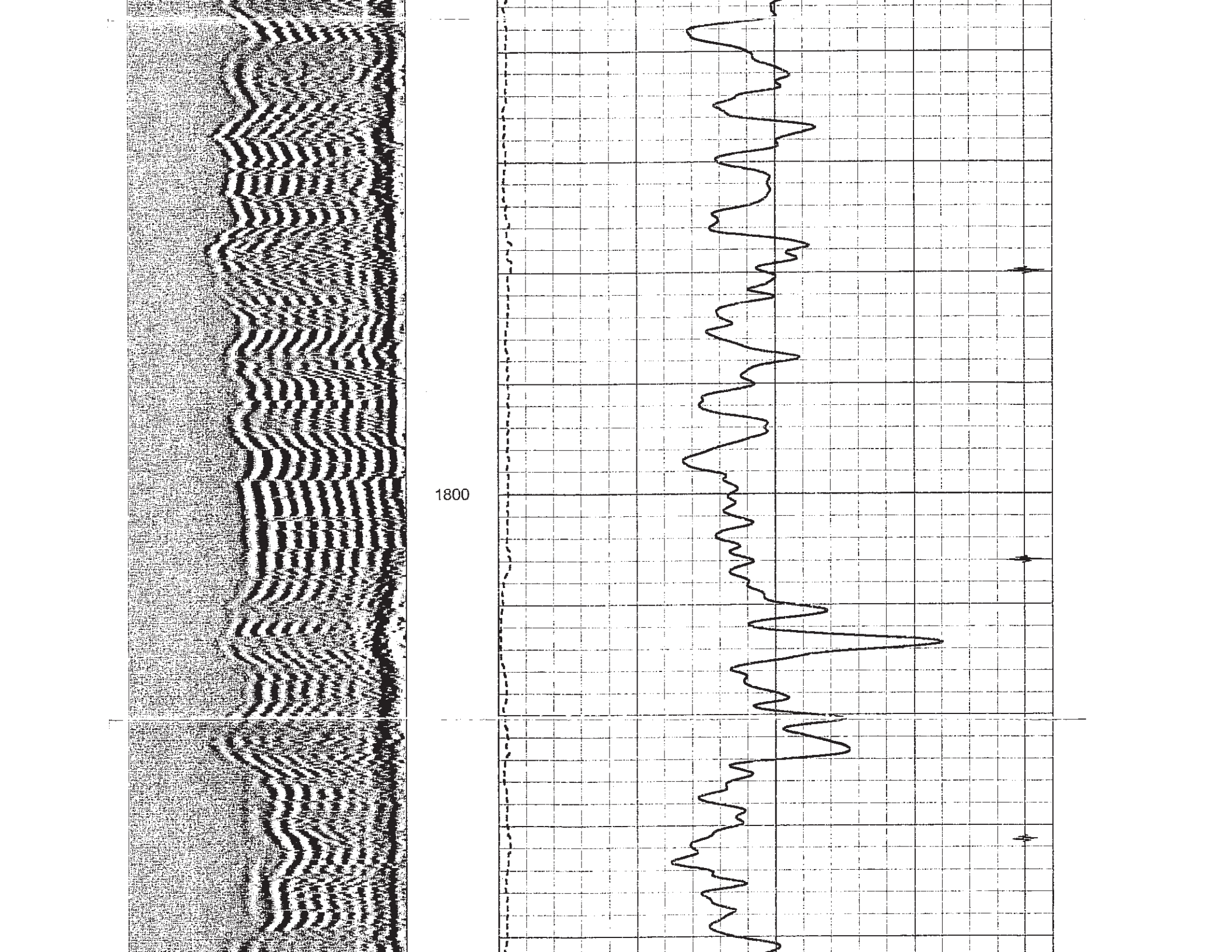
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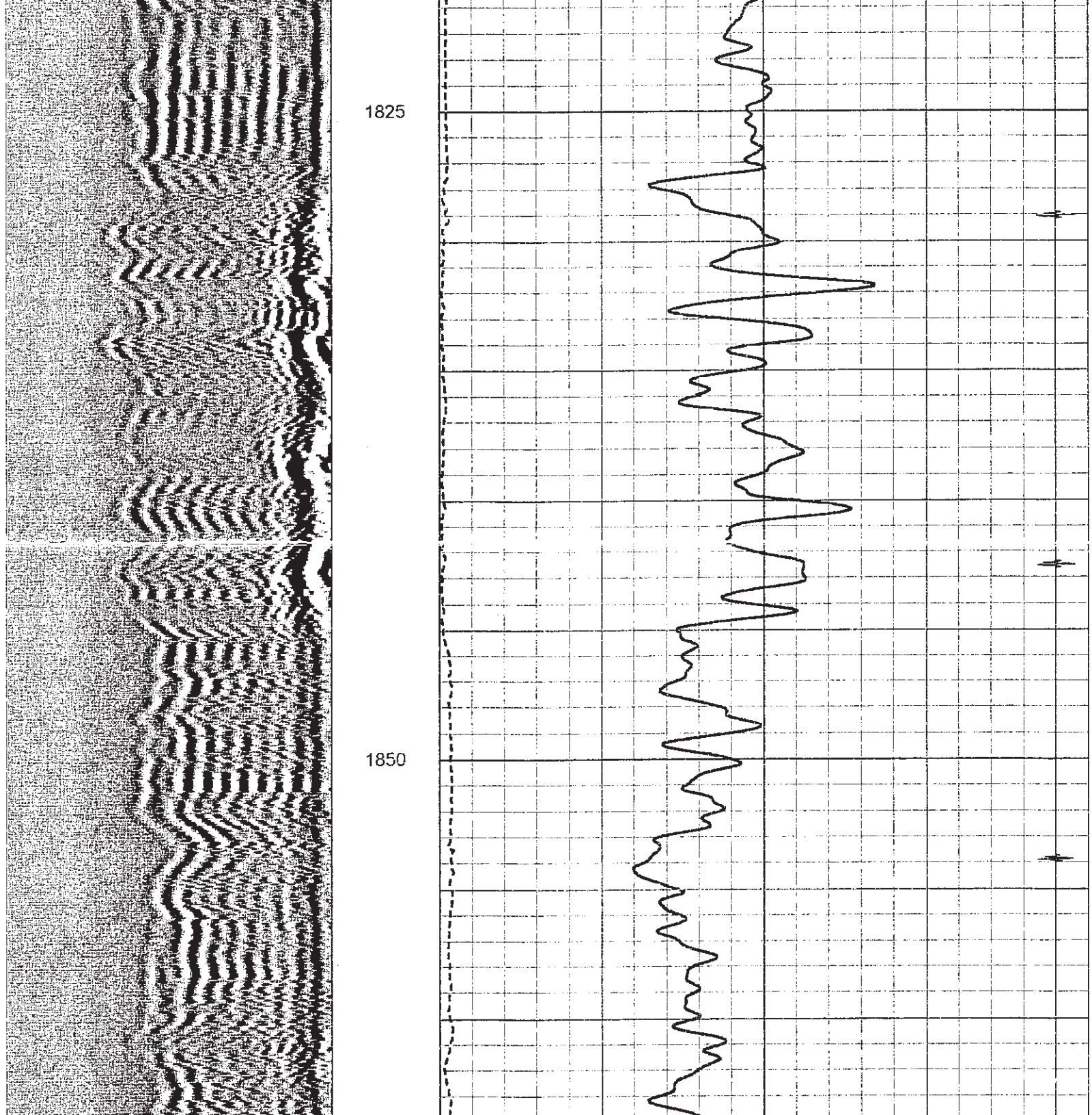
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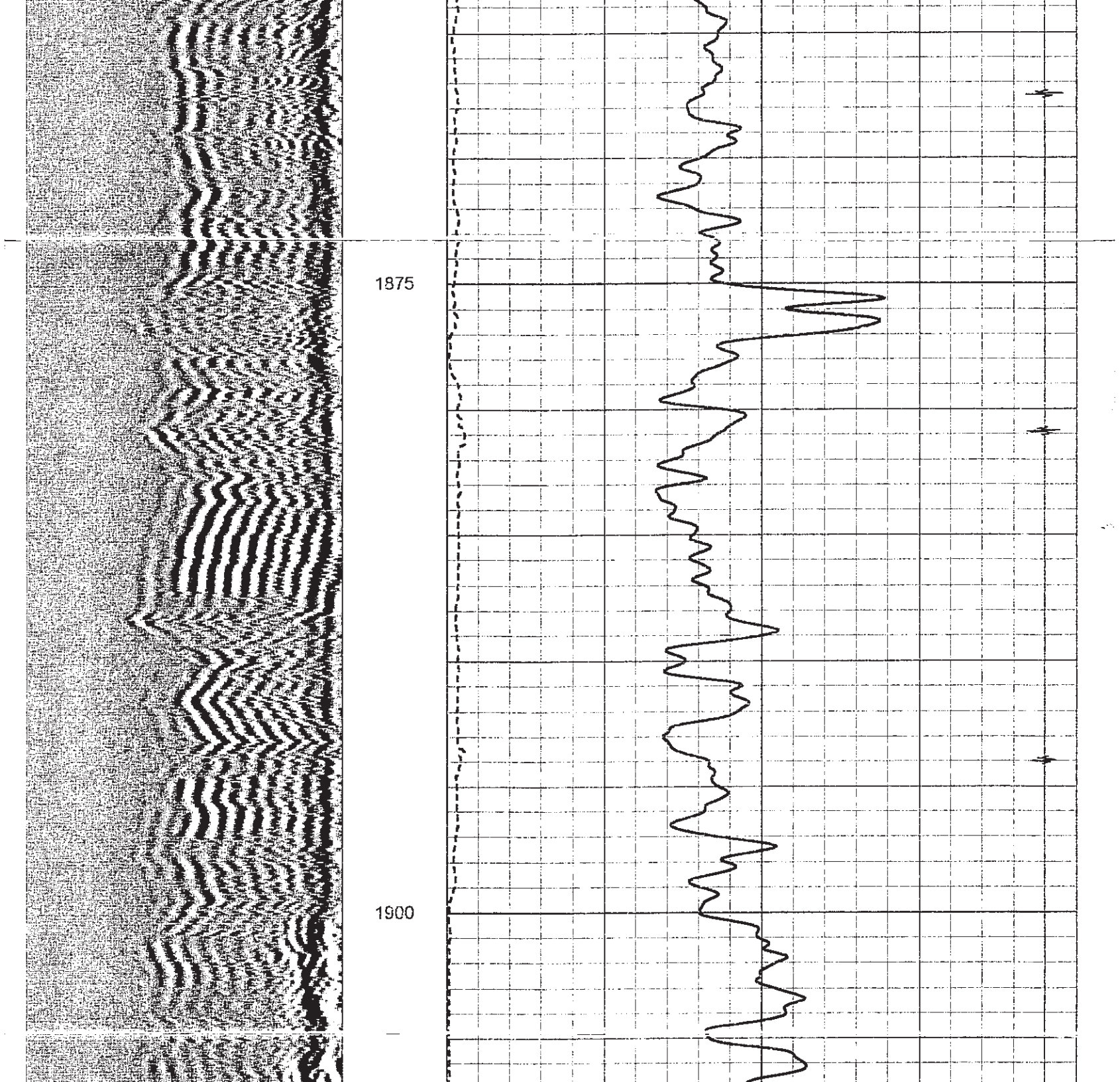
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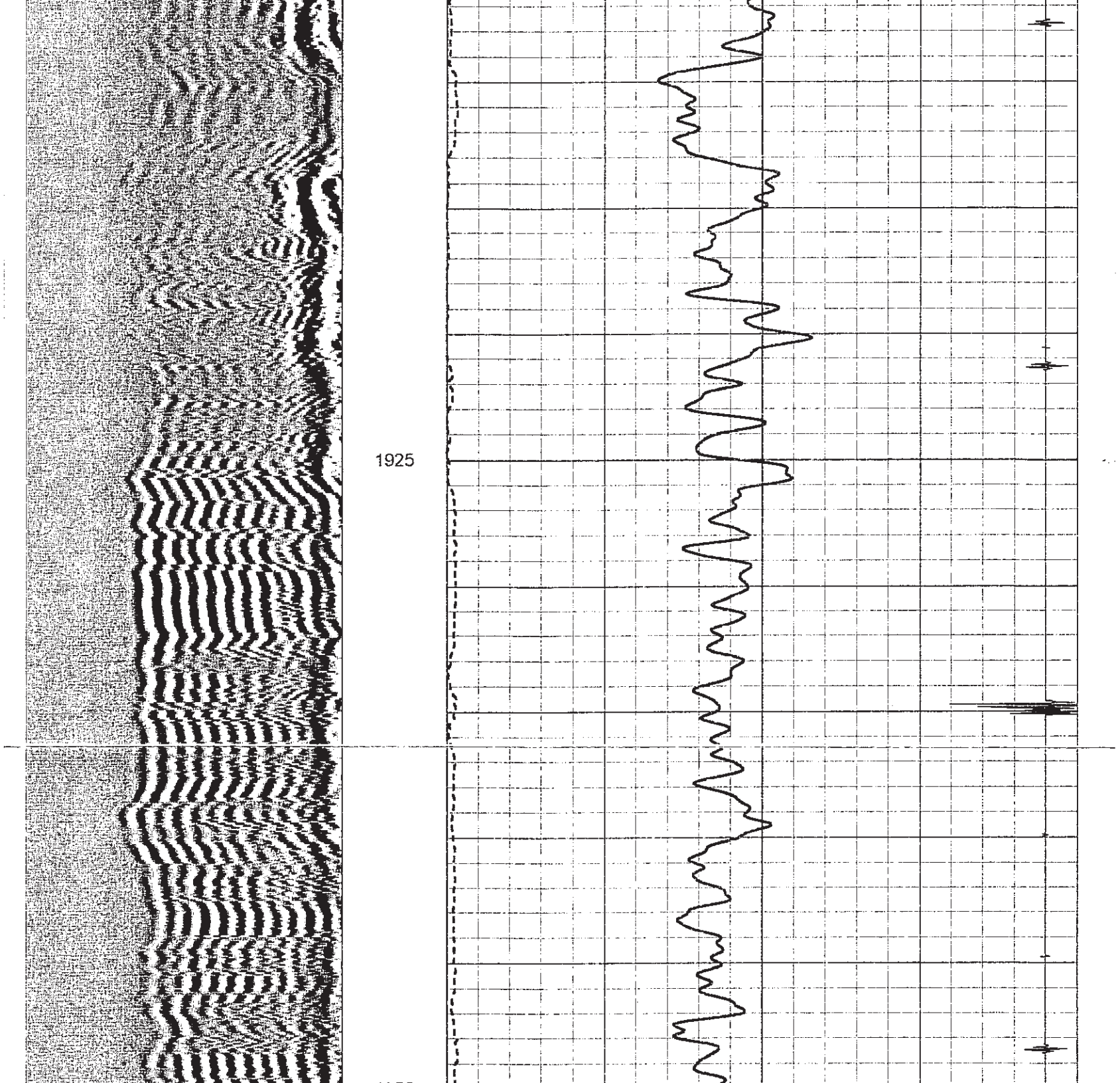
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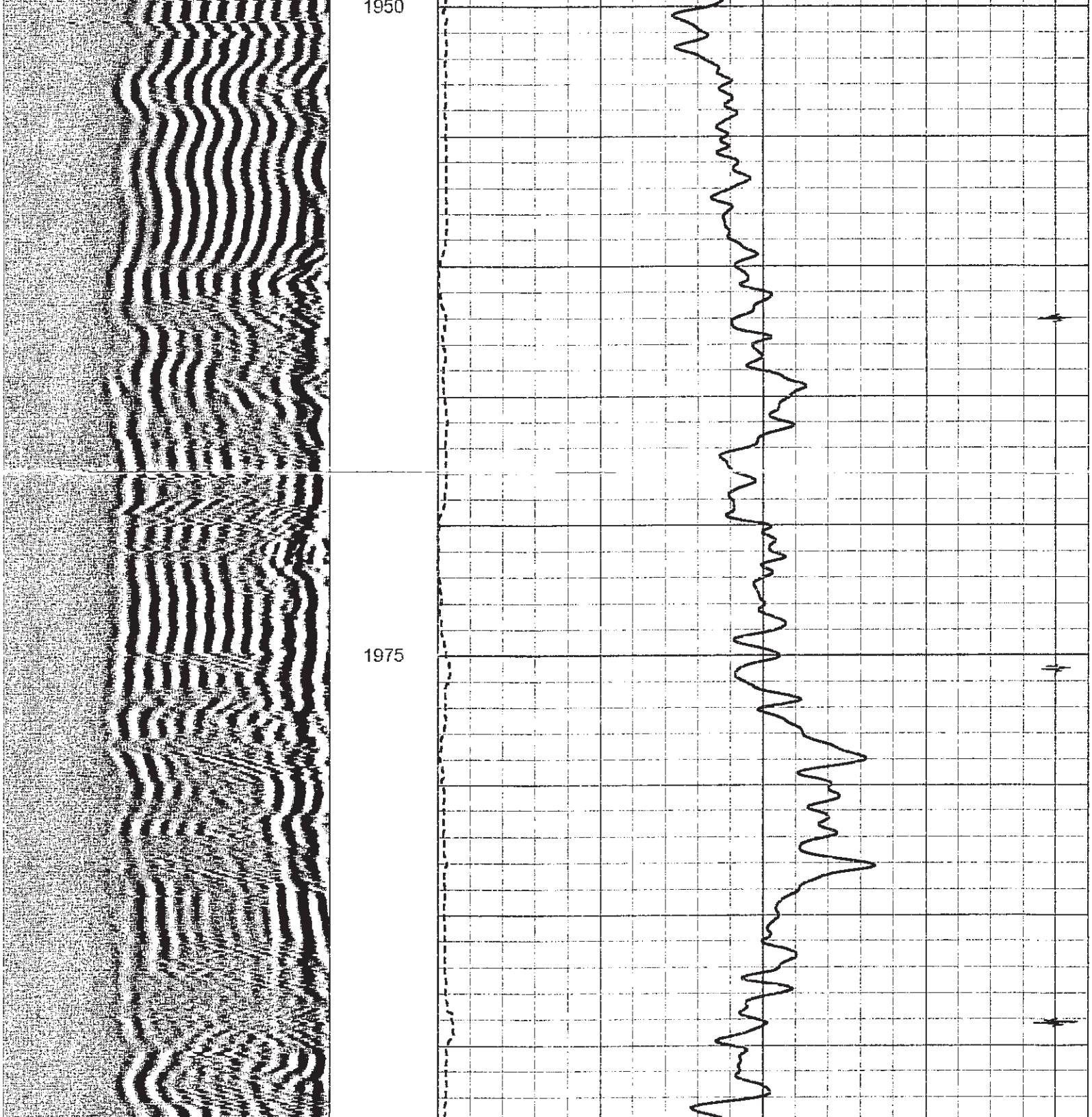
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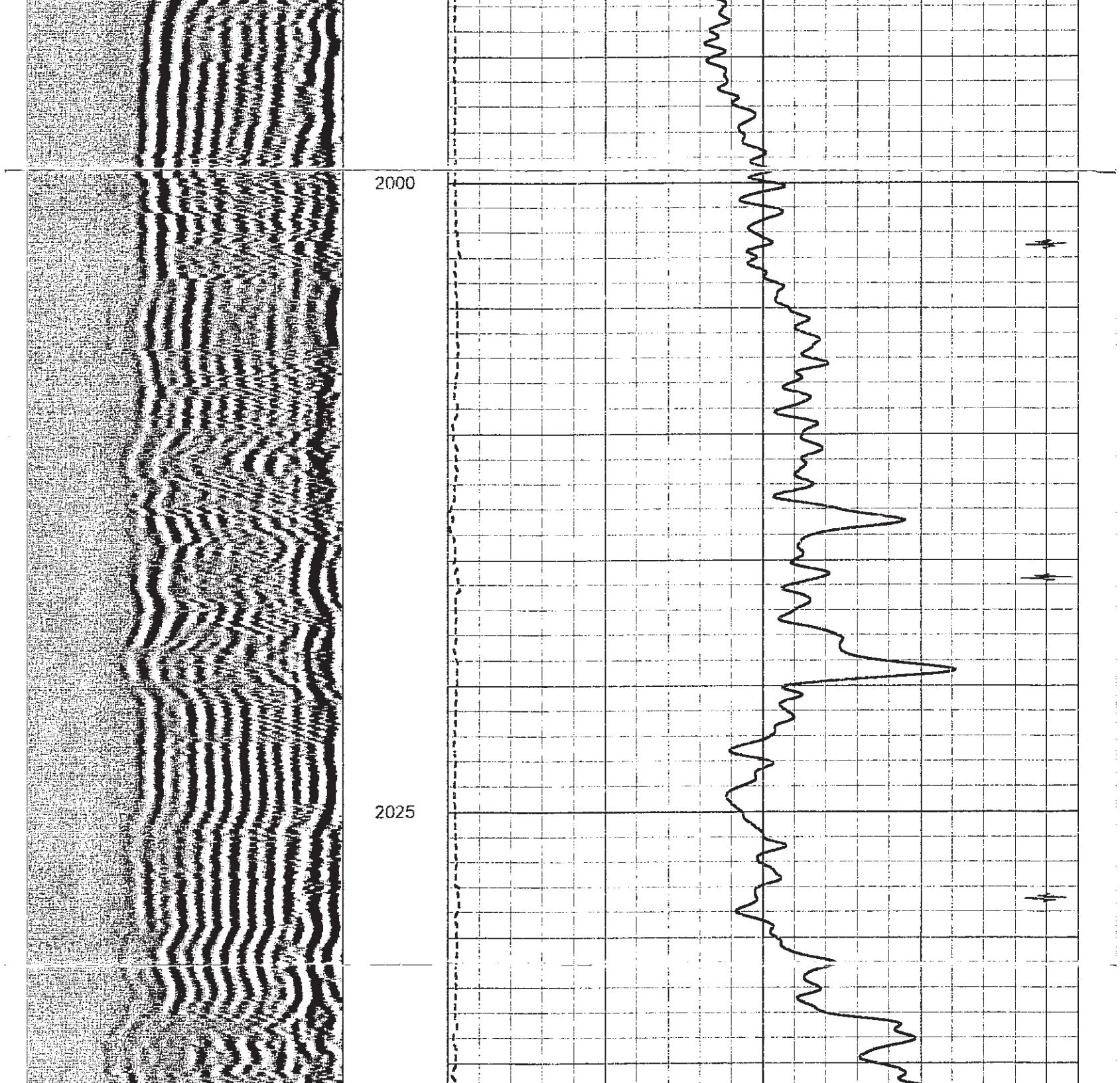
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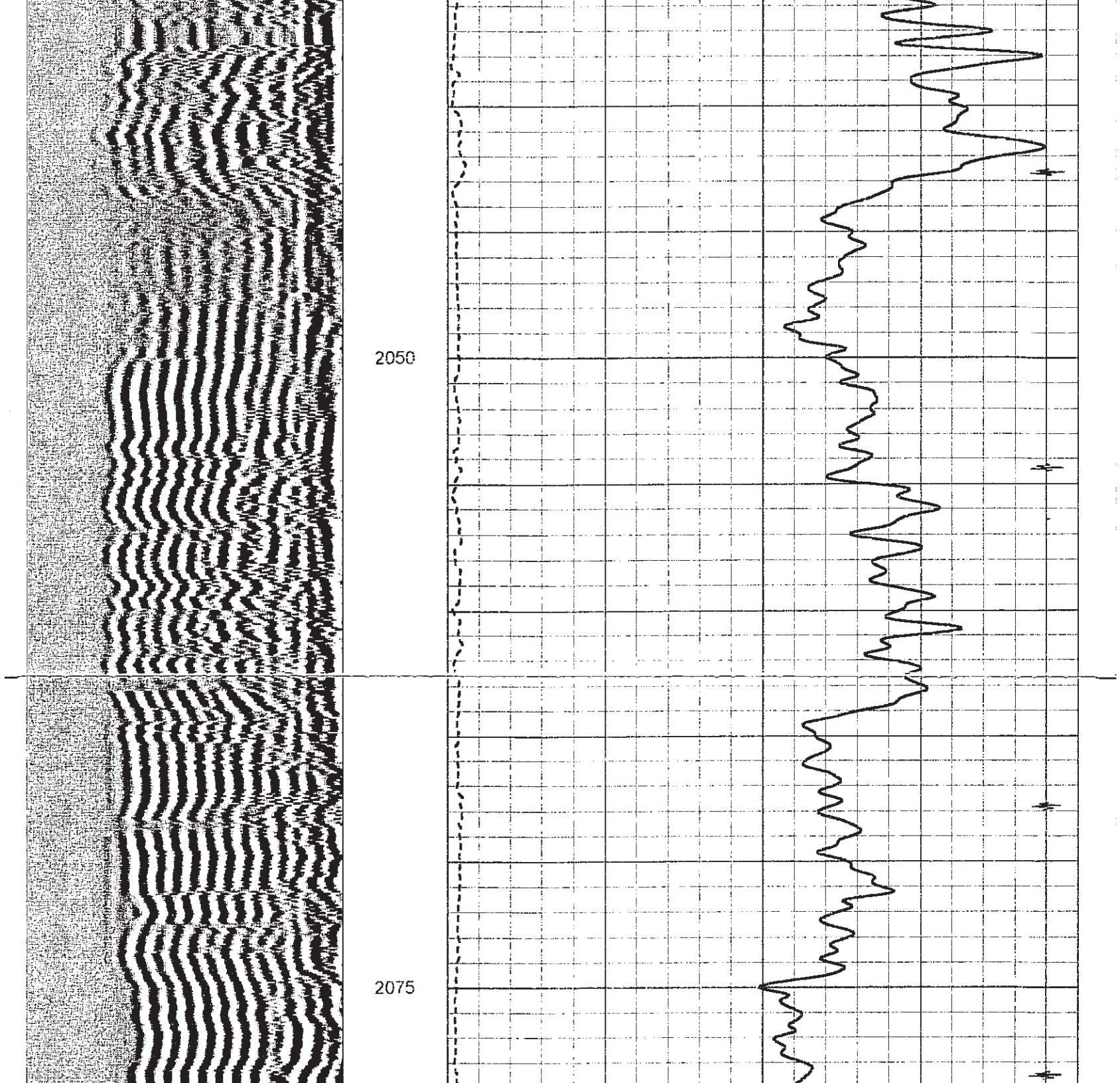
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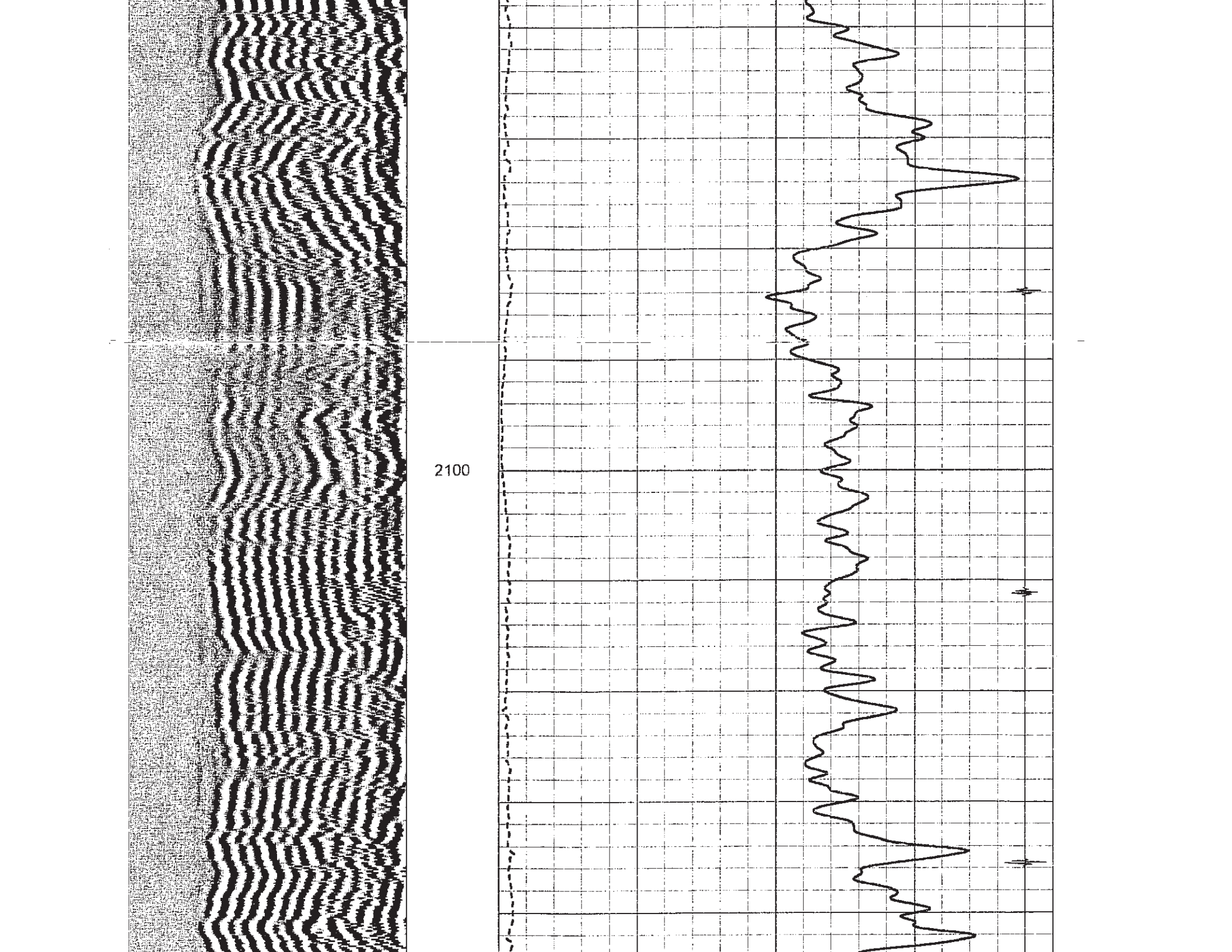
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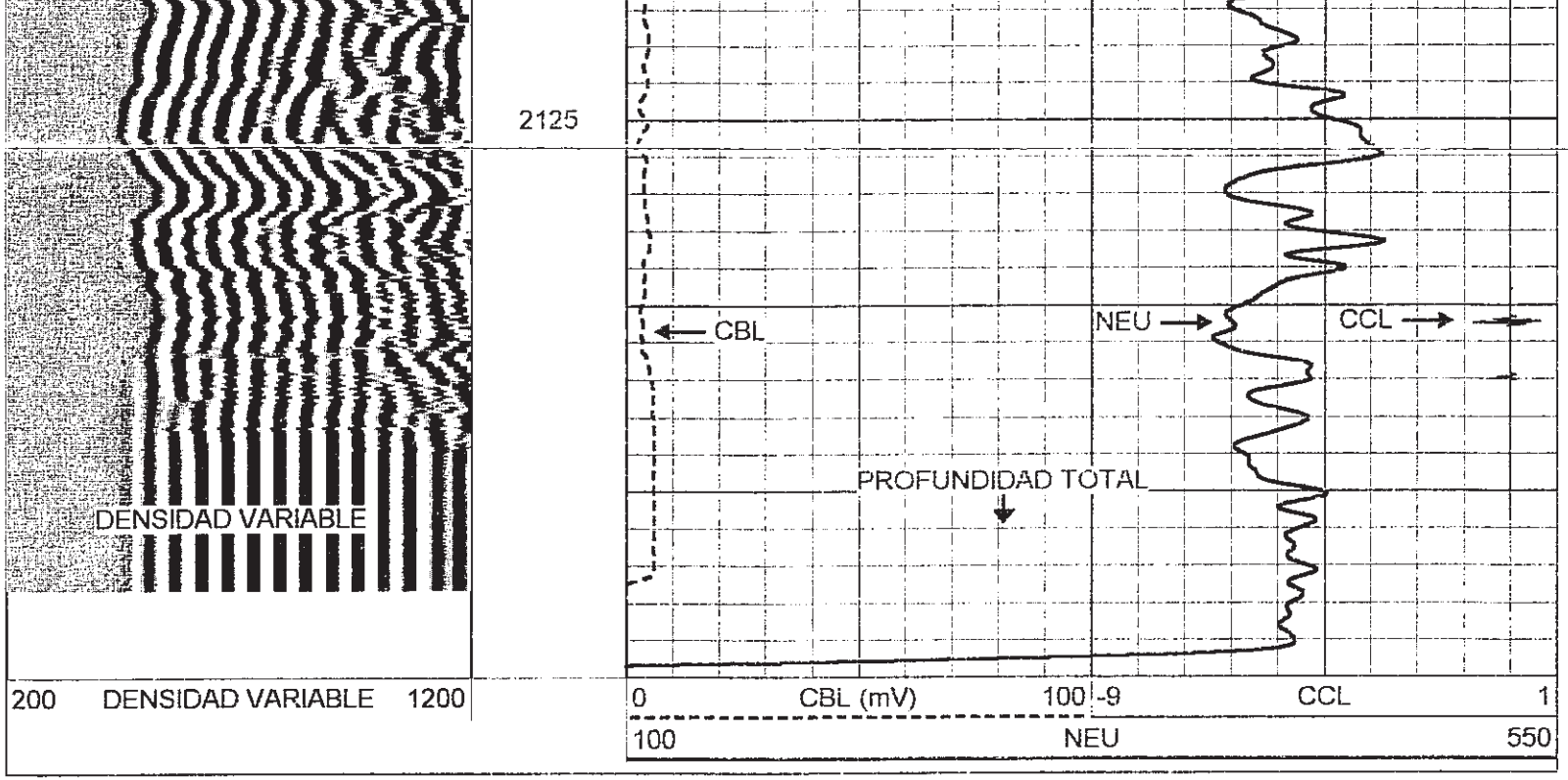
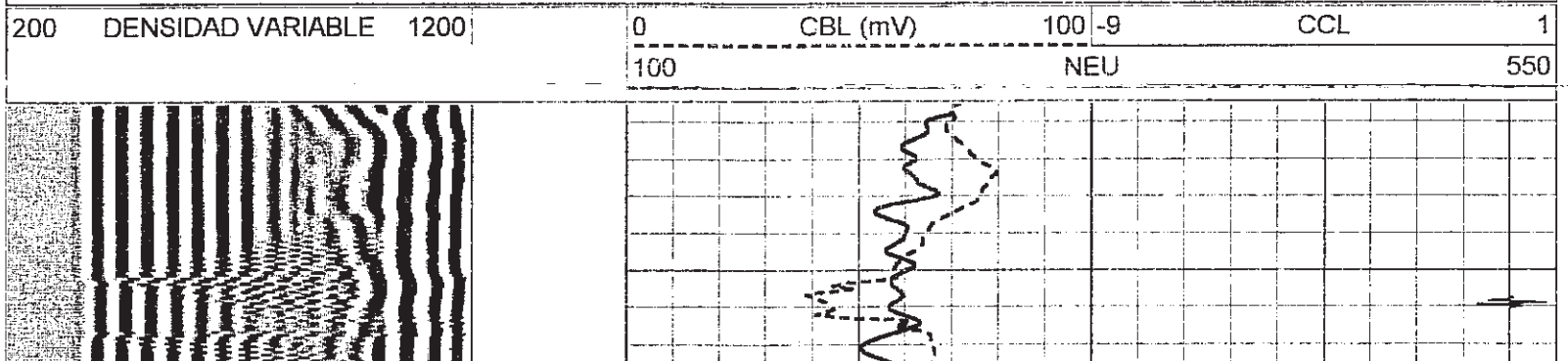
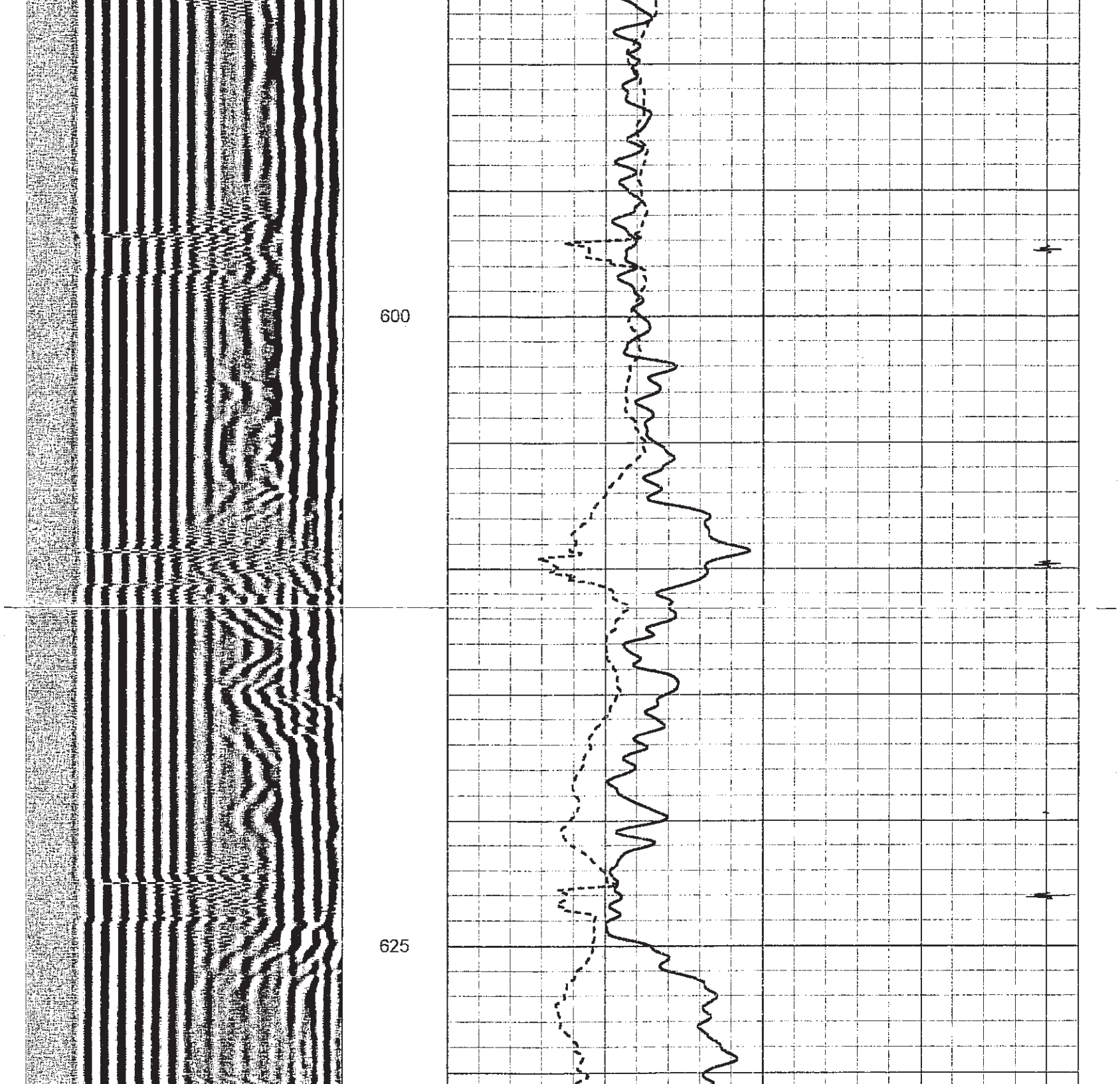


copgo wood
ARGENTINA S.A.

TRAMO REPETIDO

Database File:	ae601.db
Dataset Pathname:	pass4
Presentation Format:	35neu.prs
Dataset Creation:	Sun Jan 28 12:21:17 2001 by Log VER_5.4
Charted by:	Depth in Meters scaled 1:200

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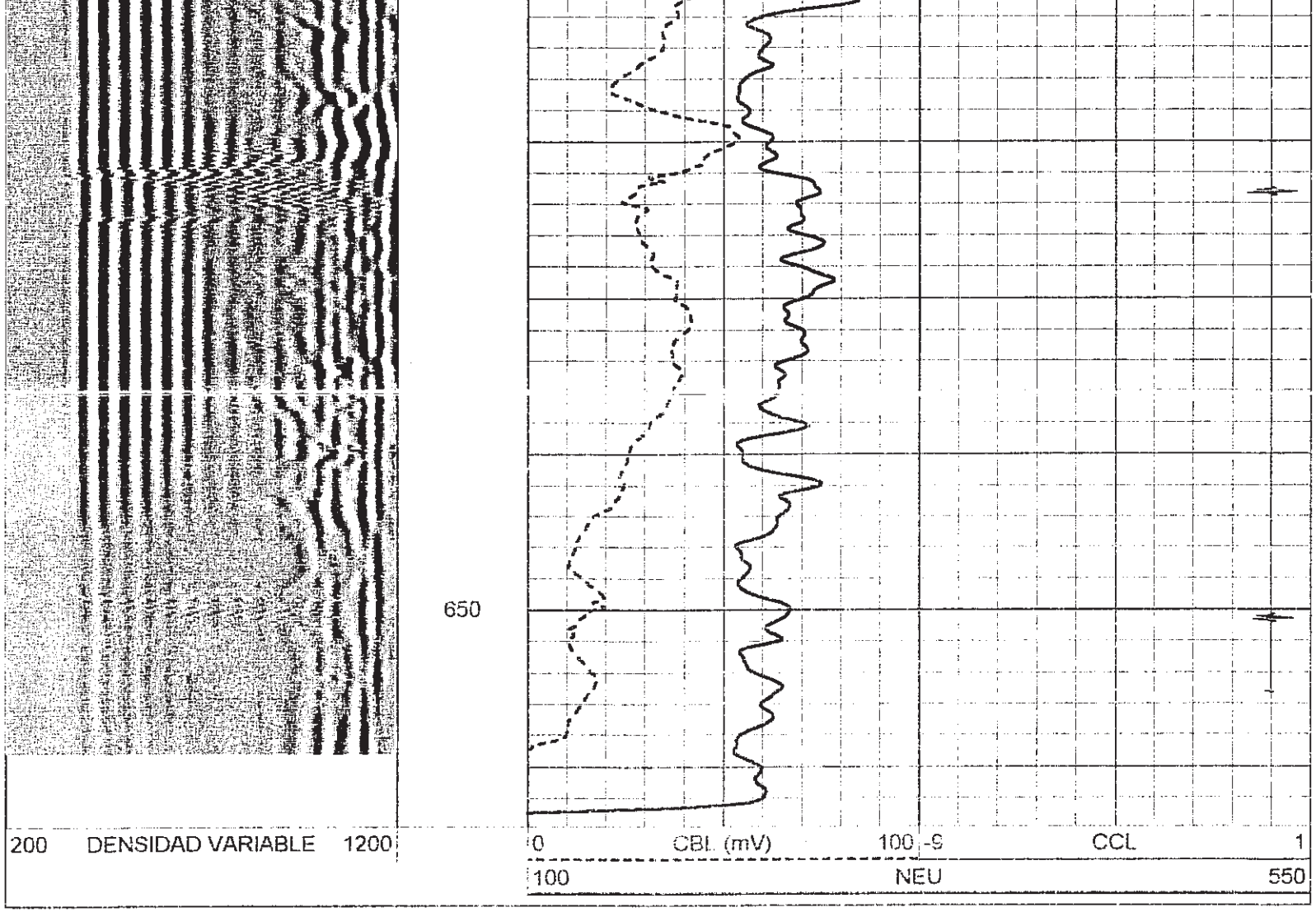


REPORTE DE CALIBRACION: HERRAMIENTA DE CEMENTACION

Numero de Herramienta:	107		
Modelo de Herramienta:	Sodesep		
Fecha de calibracion:	Sun Jan 28 10:10 36 2001		
Profundidad:	502.599	m	
Diámetro de la cañería:	5.5	in	
	3' pies	5' pies	
Cero cemento:	0	0	mV
Amplitud máxima:	100	100	mV
Lectura en cero cemento:	0.0416992	-0.011084	V

Lectura en cañería libre:	3.93223	4.32402	V
Ganancia:	24.7035	23.0675	
Offset:	0.990718	0.25568	

CURVA DE AMPLITUD CALIBRADA EN PORCENTAJE DE CAÑERIA LIBRE
(10 DIVISIONES = 100 LIBRE)

REPSOL YPF

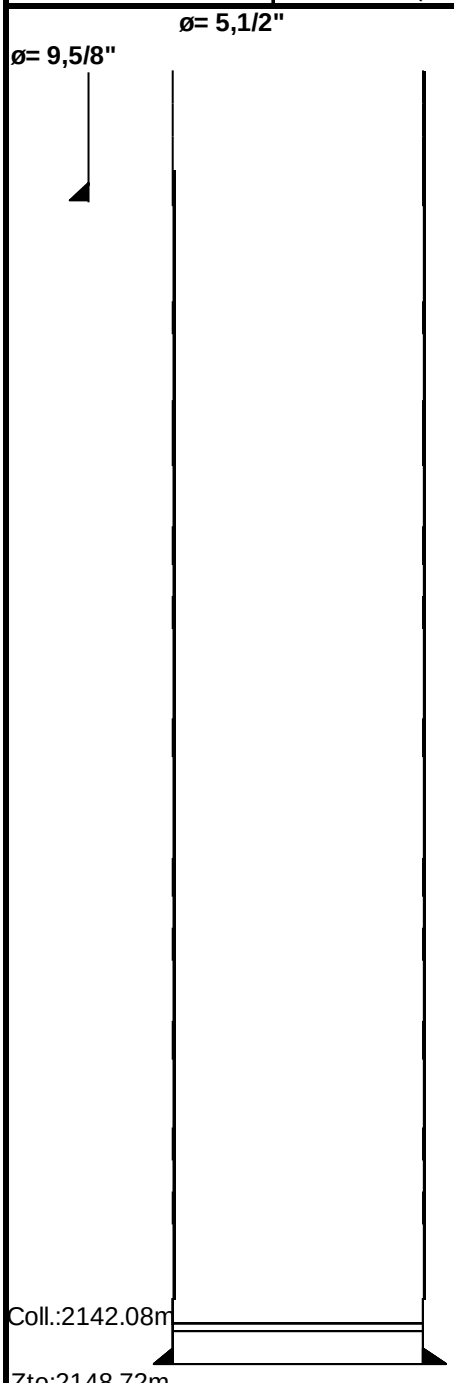
POZO :EA-601

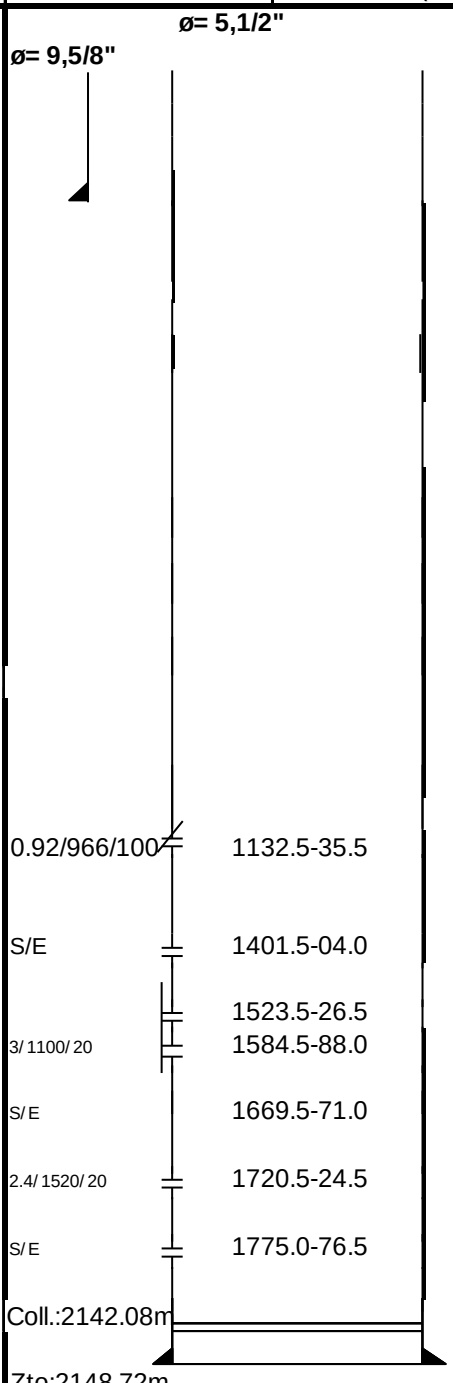
ESQUEMA DE TERMINACION

INICIO:29/1/01 — TERMINÓ:3/2/01

ESTADO ANTERIOR : ENTUBADO — ESTADO FINAL : PROD. DE PETROLEO

PREVIO A LA INTERVENCION		DESPUES DE INTERVENIDO	
DIAMETRO CAÑERIA Y TAPONES	PROFUNDIDAD (MTS.)	DIAMETRO CAÑERIA Y TAPONES	PROFUNDIDAD (MTS.)





DESARROLLO DE ACTIVIDADES

INICIO:29/1/01 TERMINÓ:3/2/01

TERMINACION:POZO EA-601

Realizó perfil de cemento y neutrón compensado con pluma.
Montó equipo y punzó las siguientes zonas:
1775/76.5-1720.5/24.5-1669.5/71-1584.5/88-1523.5/26.5-1401.5/04-1132.5/35.5
1775/76.5: S/E
1720.5/24.5: 2400lt/h-1510m-20%-Sal 8.72-Ph 7-Dens 0.85
1669.5/71: S/E
1584.5/88-1523.5/26.5: 3000lt/h-1100m-20%-Sal 9.3-Ph 8-Dens 0.7?
1401.5/04: S/E
1132.5/35.5: 920lt/h-966m-100%-Sal 8.72-Ph 8 +RPo y arena
Cementó zona 1132.5/35.5. Rotó cemento y ensayó hermeticidad positiva.
Bajó instalación de producción.
Desmontó equipo