

Tucker
WIRELINE SERVICES

MICRO
LOG

File No. : OKC-55481
Company : BRUNGARDT OIL & LEASING, INC.
Well : C. B. BEERY #6
Field : EMMERAN NE
County : ELLIS
State : KANSAS
Country : USA

Location : 2190' FNL & 2300' FEL
NE SW SW NE
Sect : 34 Twp : 12S Rge : 16W

Recorded By : T. MONTGOMERY
Witnessed By : G. BRUNGARDT

Date : NOV 30 2010
Run No. : 1
Permanent Datum : GL
Drilling Measured From : KB
Log Measured From : KB
Above Permanent Datum : 5.00 FT
Depth--Driller : 3508.0 FT
Depth--Logger : 3508.0 FT
Bottom Log Interval : 3486.0 FT
Top Log Interval : 1190.0 FT
Casing Depth--Driller : 225.0 FT
Casing Depth--Logger : 225.0 FT
Casing Diameter : 8.625 IN
Bit Size : 7.875 IN
Unit No. : 125
Location : OKLAHOMA CITY

Elevations :
KB : 2041.00 FT
DF : 2040.00 FT
GL : 2036.00 FT

Additional Services

CNT
LDT
PIT
XYT

The customer is hereby warned that by providing the log data herein, T. W. S. does not agree to provide any interpretation of log data, conversion of log data to physical rock parameters or recommendations. T. W. S. does not guarantee or warrant either expressly or impliedly, the accuracy of any interpretation of log data, conversion of log data to physical rock parameters or recommendations which may be given by T. W. S. personnel. Any interpretation, conversion or recommendation is not part of the consideration for the agreement between the parties and is not part of any part of the charge by T. W. S. for its services. Any user of the log data is warned that said user is not entitled to rely on interpretations, conversions or recommendations as aforesaid.

Run Number 1

Depth To Fluid	0.0	FT		
Fluid Type In Hole :	WBM			
Density :	9.000	LDS/GAL		
Viscosity :	53.000	SEC/QT		
pH :	10.500	KKPM		
Fluid Loss :	7.600	CC		
Salinity :	0.000			
RM Source :	MEASURED			
RM :	1.100	OHMM at	60	F
RM at BHT :	0.722	OHMM at	128	F
RMF Source :	CALCULATED			
RMF :	0.825	OHMM at	60	F
RMF at BHT :	0.577	OHMM at	128	F
RMC Source :	CALCULATED			
RMC :	1.265	OHMM at	60	F

RMC :	1.265	OHMM at	60	F
RMC at BHT :	0.866	OHMM at	128	F
Max Recorded Temp. :			128	F
Time Circulation Stopped :				
Operating Rig Time, Hrs. :			3.0	

- Source Serial Numbers -

Gamma	CSV-C2
Neutron	N-1043

- Sonde Serial Numbers -

GRTB	GRT-BC-43
CNT	CNP-AA-106
LDT	LDP-BA-20
MST	MST-CA-021
PIT	PIT-AB-14

Casing Strings

Size (IN)	Weight (LB/FT)	Bottom (FT)
8.625	32.00	225.00

- Comments -

ALL PRESENTATIONS AS PER CLIENT REQUEST.

GRT, CNT, LDT, MST, PIT RAN IN COMBINATION.
 2.71 G/CC DENSITY MATRIX USED TO CALCULATE POROSITY.
 5.50" PRODUCTION CASING USED TO CALCULATE AHV.
 NO STANDOFF DEPLOYED ON PIT TOOL.
 CALIPERS ORIENTED ON X-Y AXIS.
 PHIN IS CALIPER CORECTED.
 MLT, CNT AND LDT PRESENTED FROM TD TO 2900' AS PER CLIENT REQUEST.
 GR, AND PIT PRESENTED FROM TD TO SURFACE AS PER CLIENT REQUEST.
 GR ONLY RUN TWO

GRP - GRP
 CNT - PHIN, CLMIN
 LDT - LDEN, PECL, LCOR, PORL, CLLDIN
 MST - CLMRIN, MSFI, MSFN
 PIT - ILD, ILM, CIRD, SFLAEC, SPU

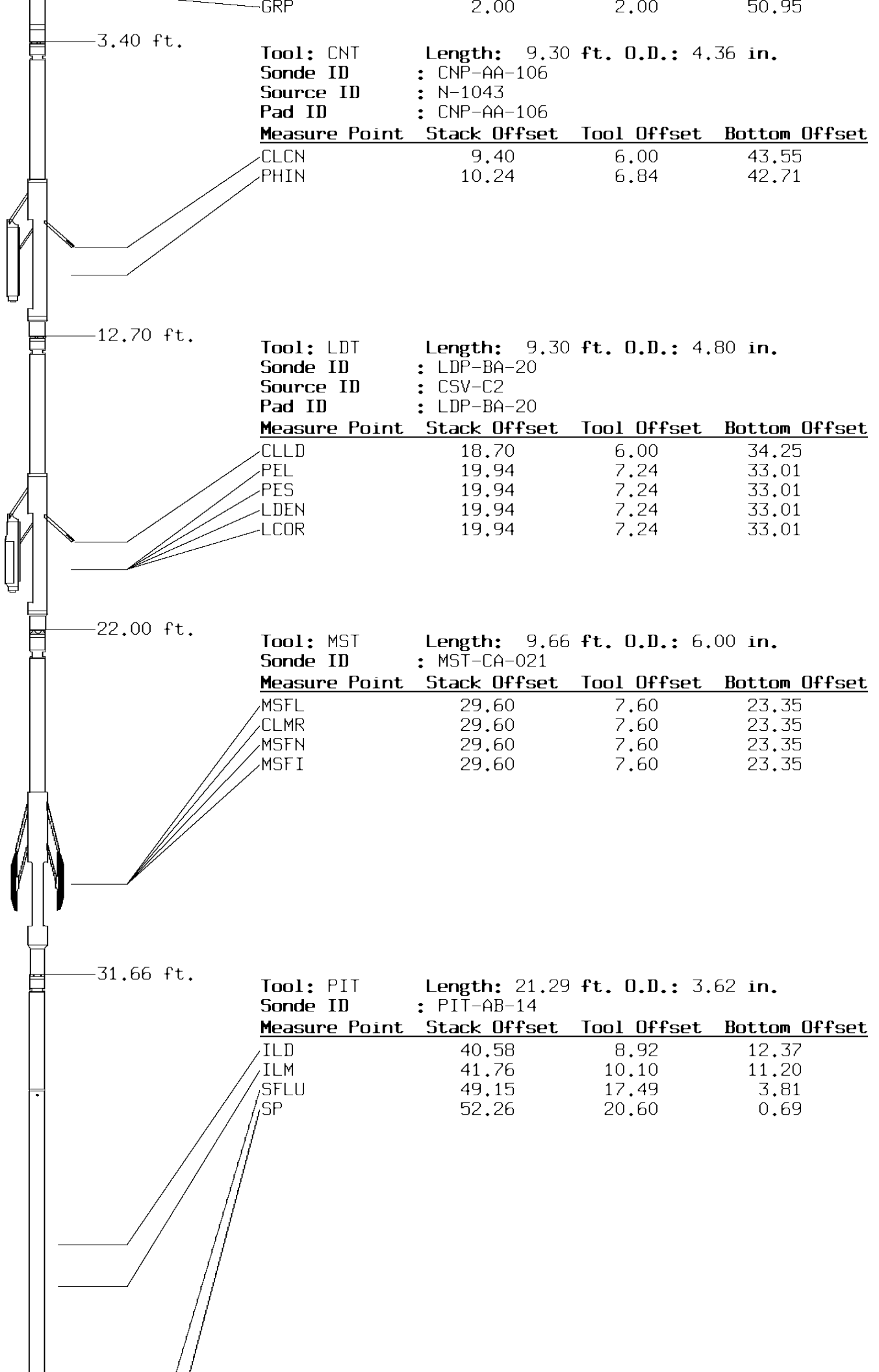
THANK YOU FOR USING TUCKER ENERGY SERVICES!
 OPERATORS.
 C.VANCE
 C. RADATZ

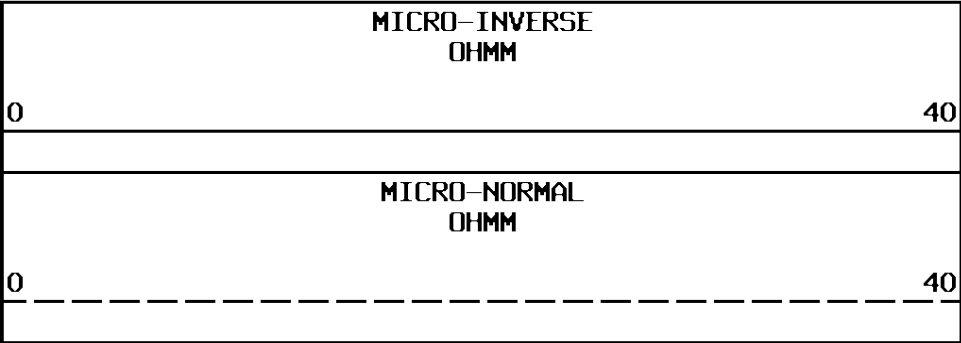
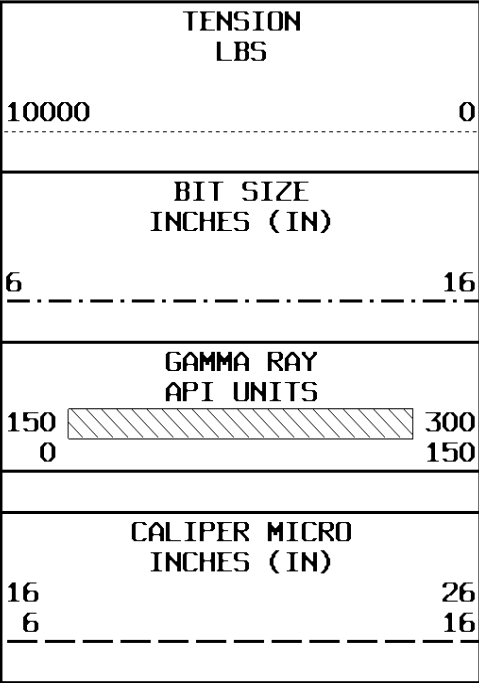
Tool String Schematic

Total Tool Length - 52.95 ft.
 Maximum Outside diameter - 6.00 in.
 Net Weight in Air - 943.00 lbs.

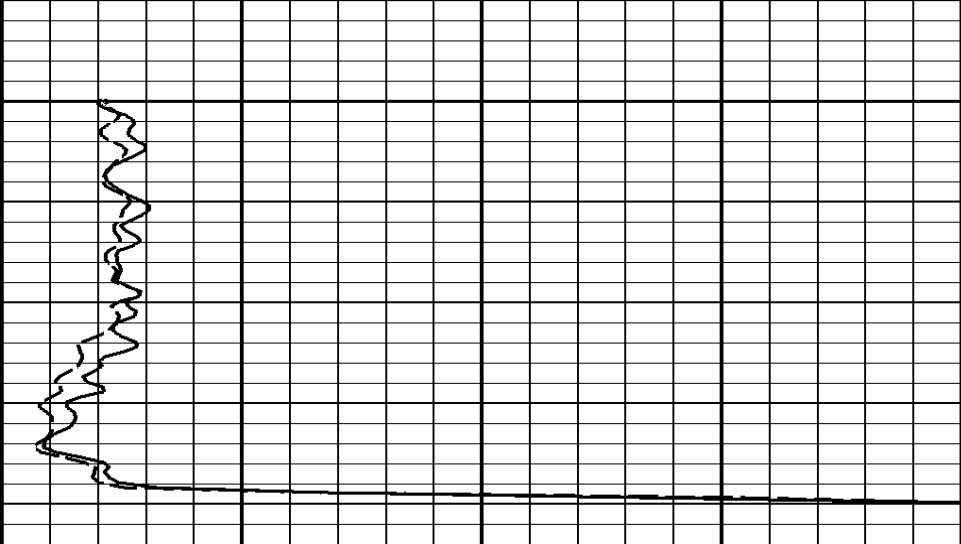
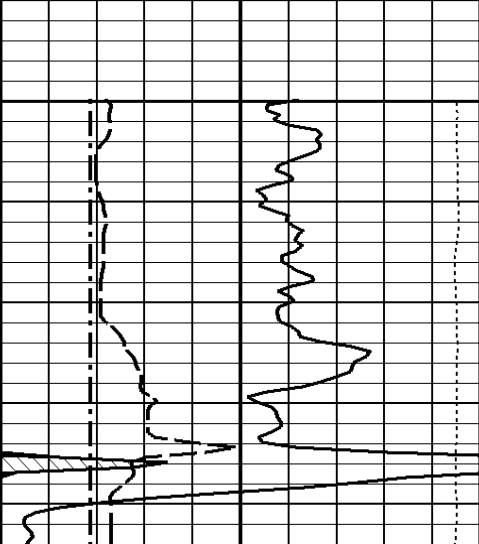


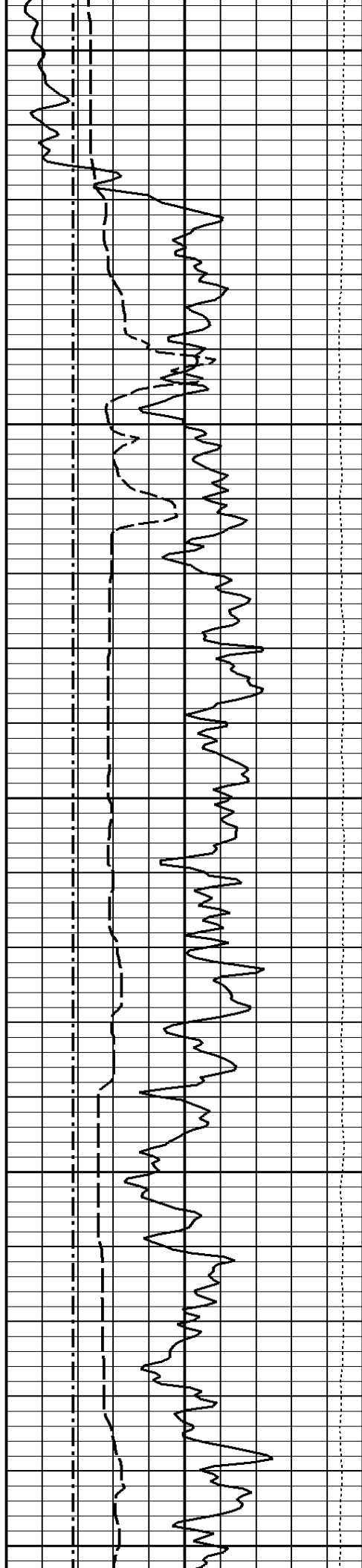
Tool: GRTB	Length: 3.40 ft.	O.D.: 3.60 in.
Sonde ID	: GRT-BC-43	
Measure Point	Stack Offset	Tool Offset
GRP	3.00	3.00
		50.95





1:240 MAIN SECTION

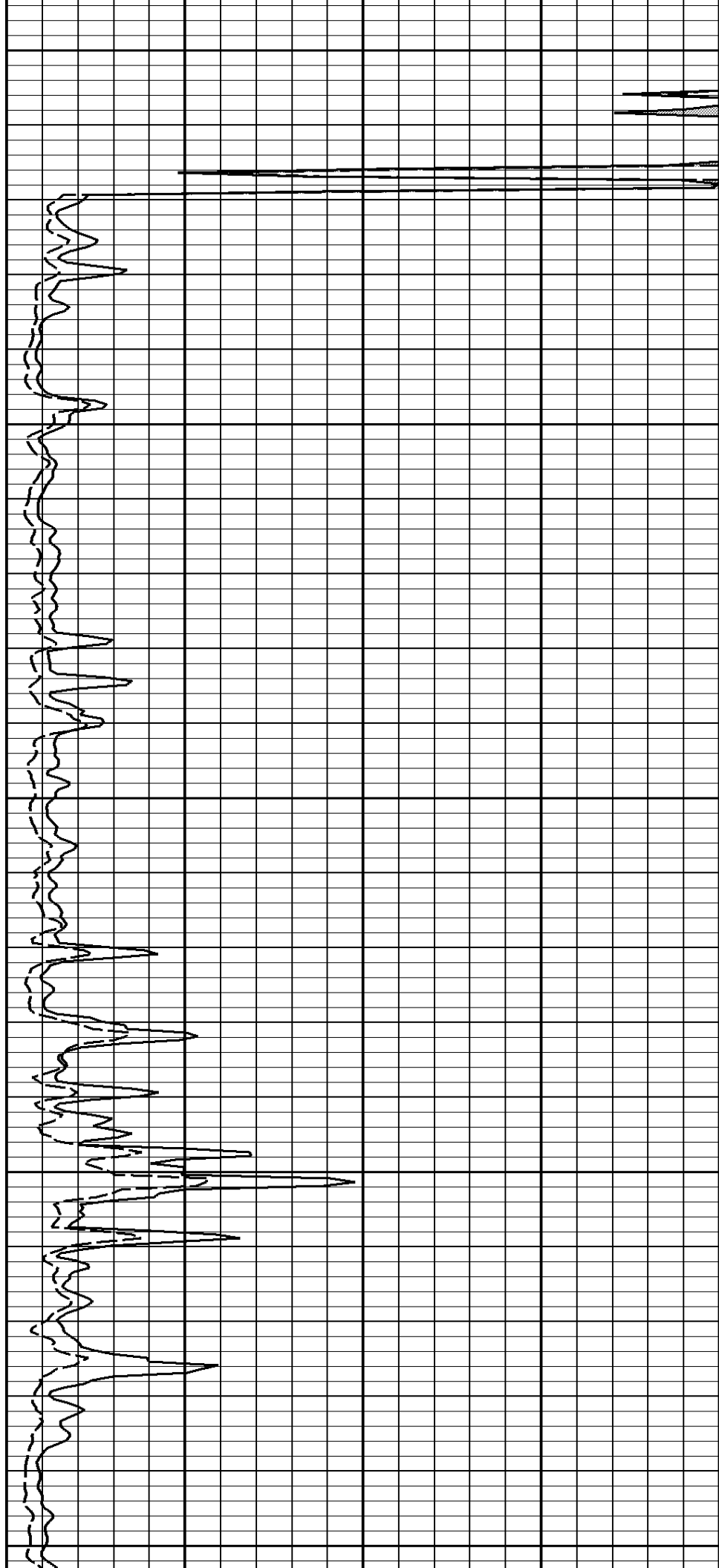


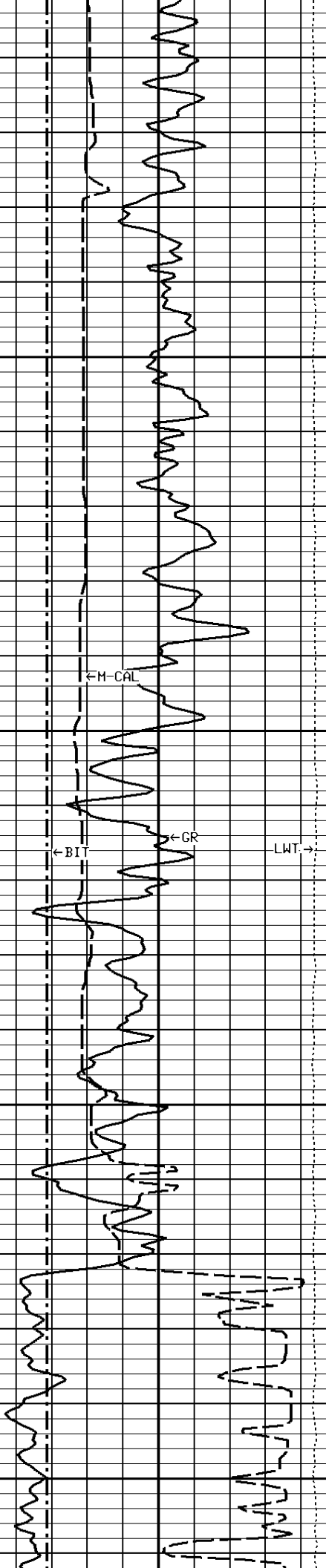


1200

1300

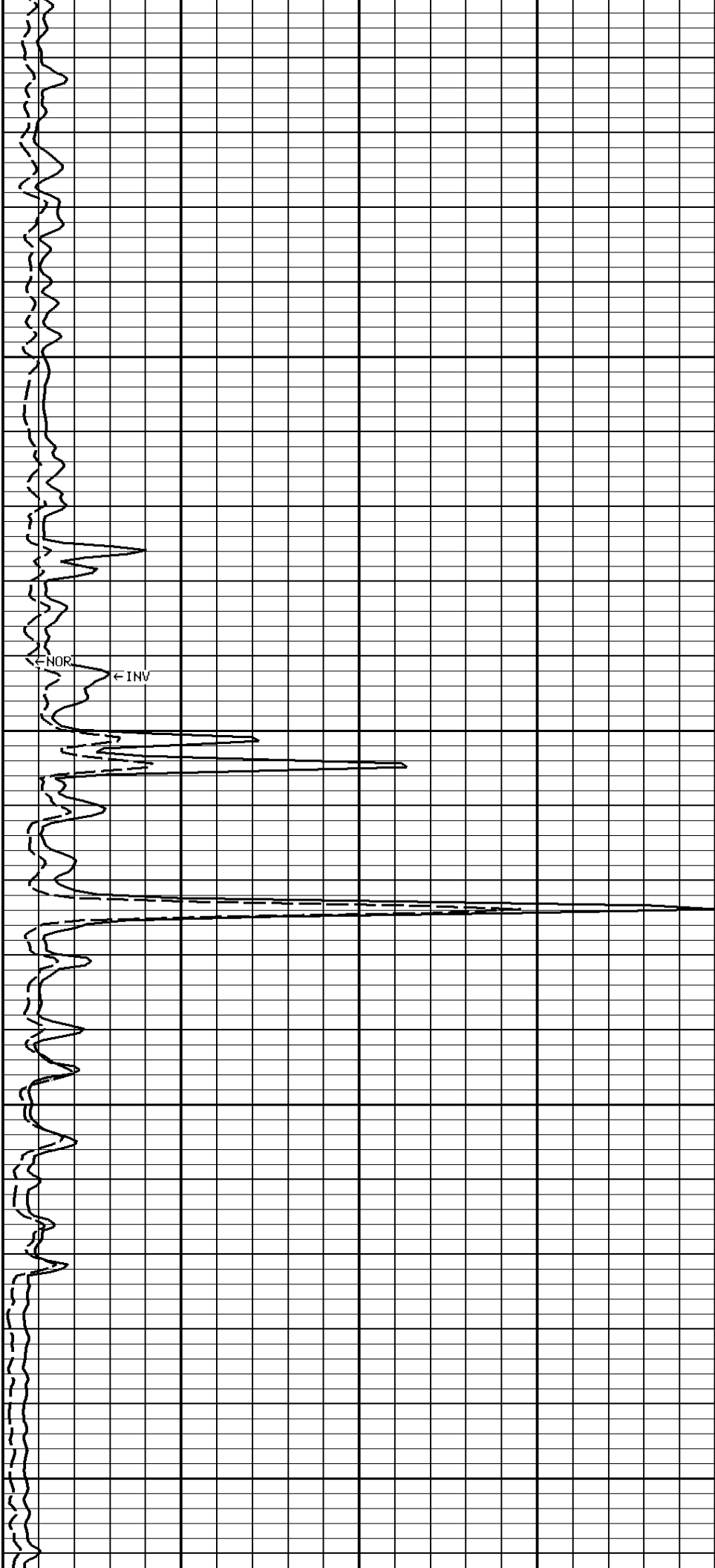
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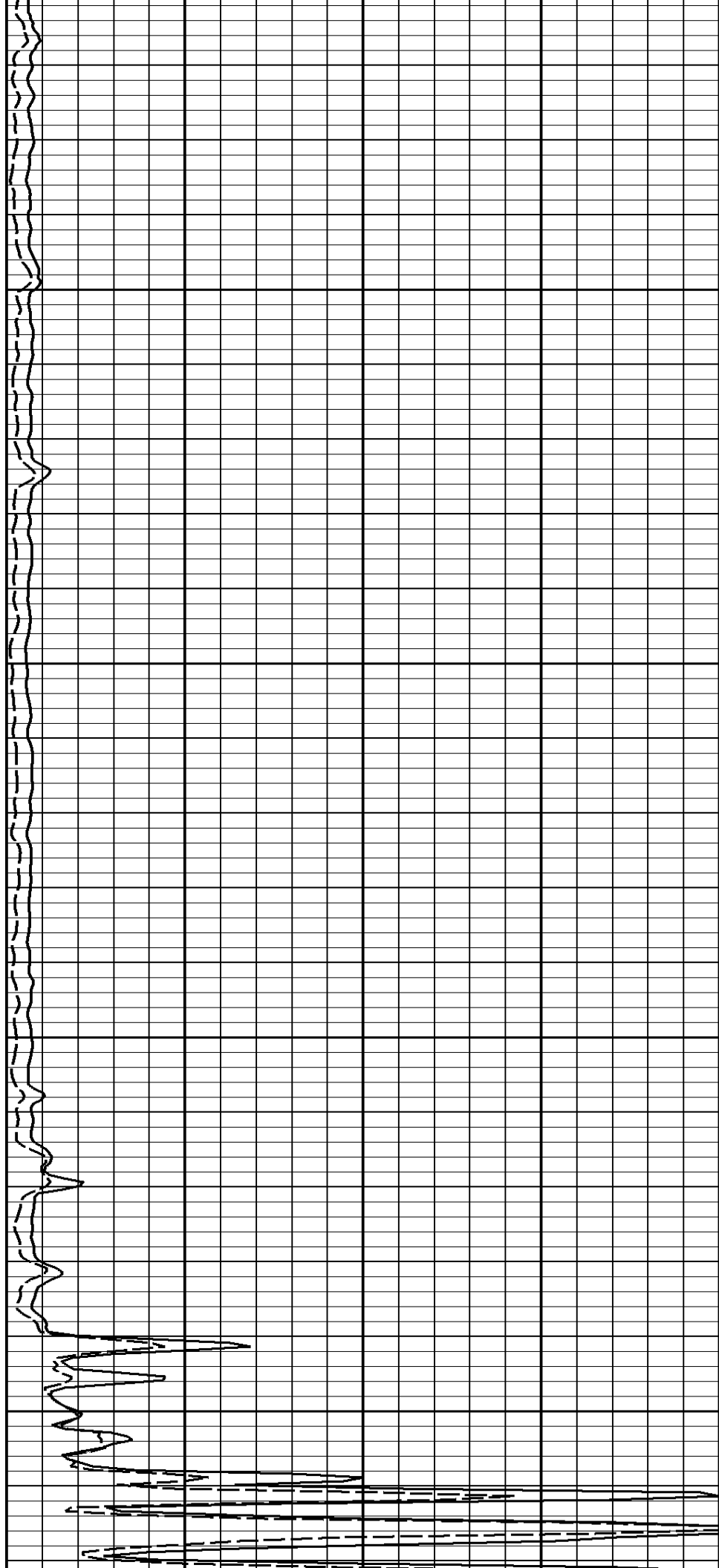
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1700

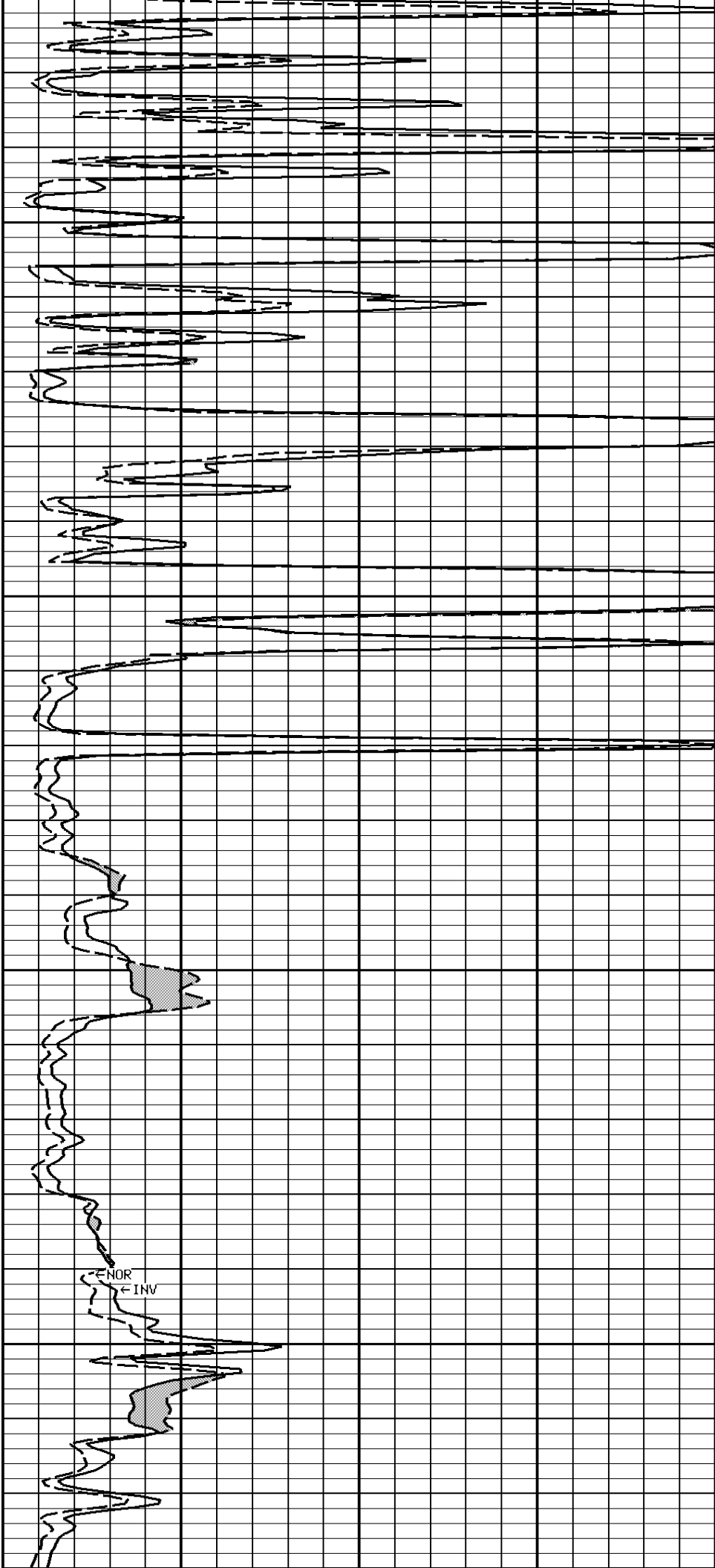
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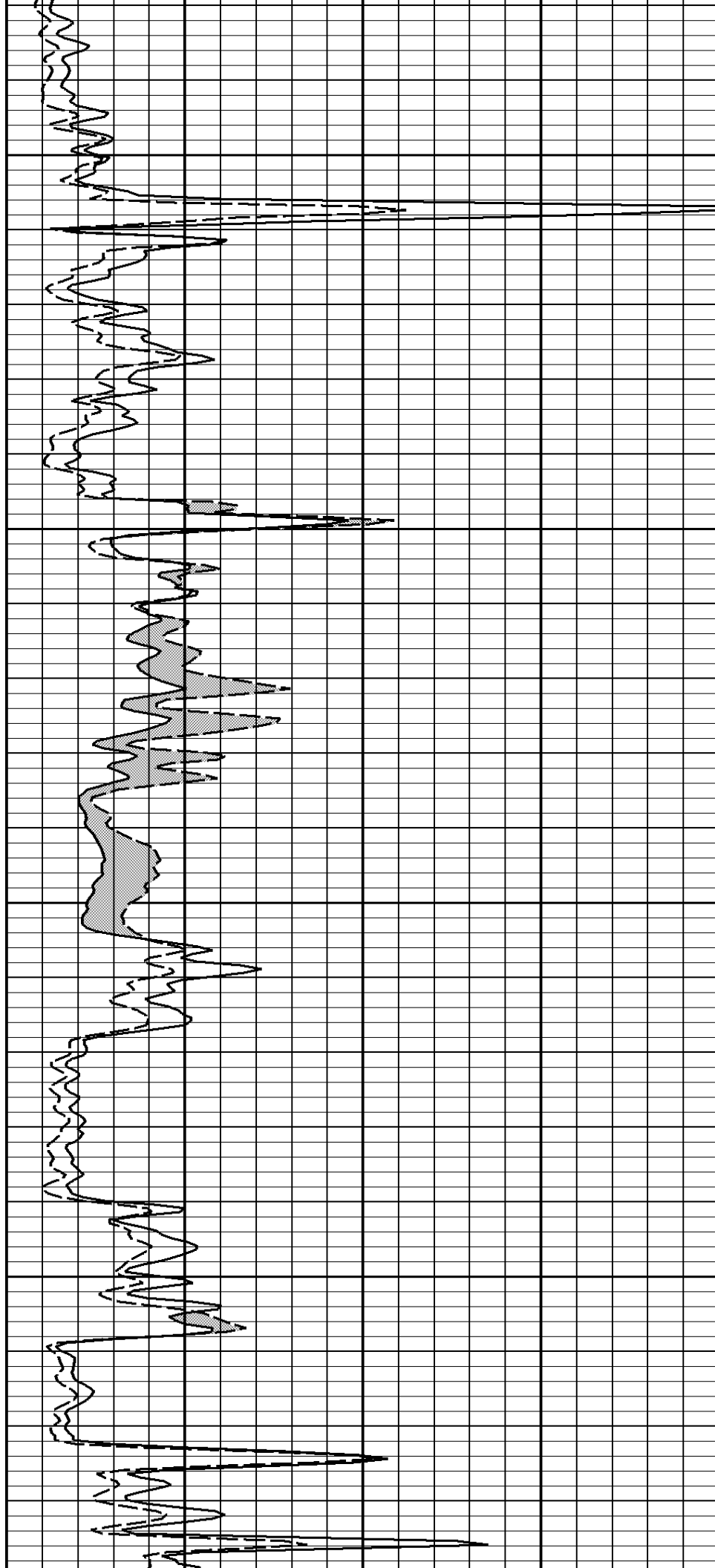
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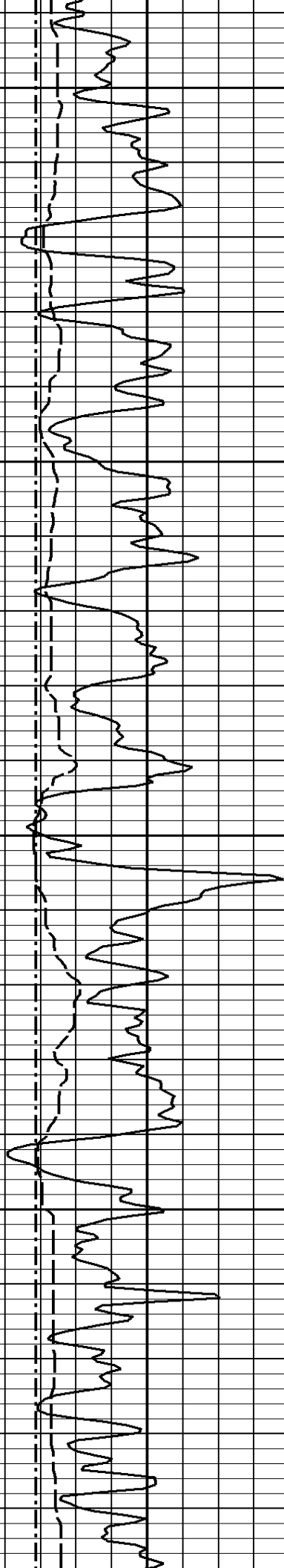




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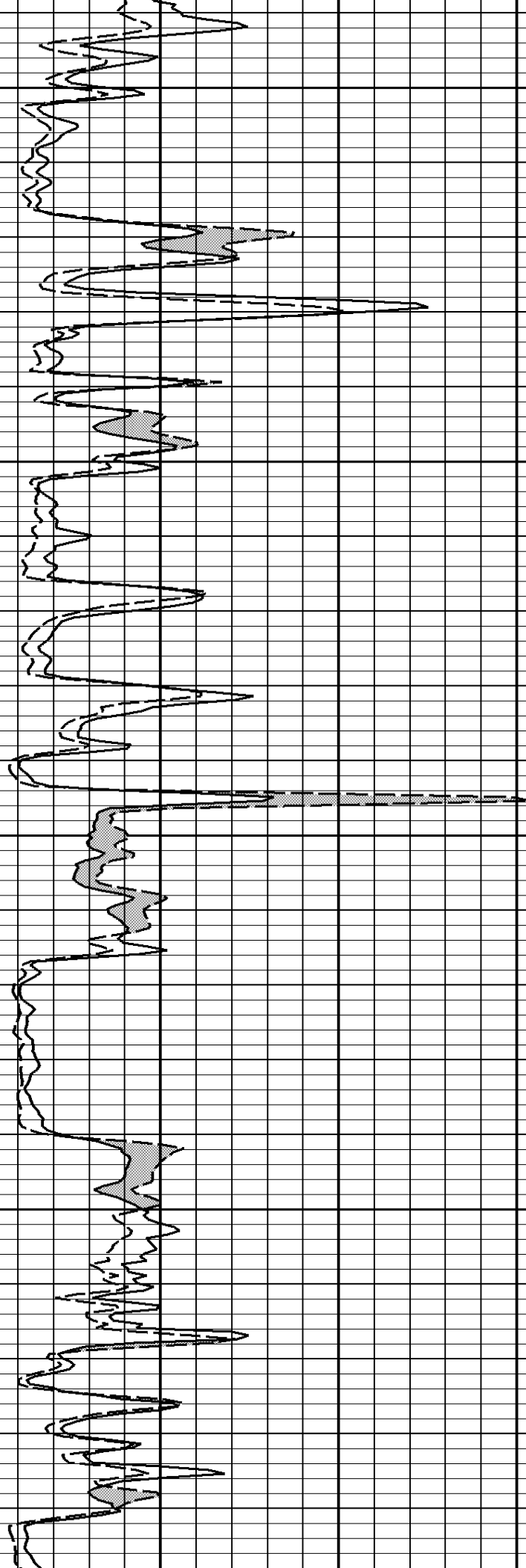
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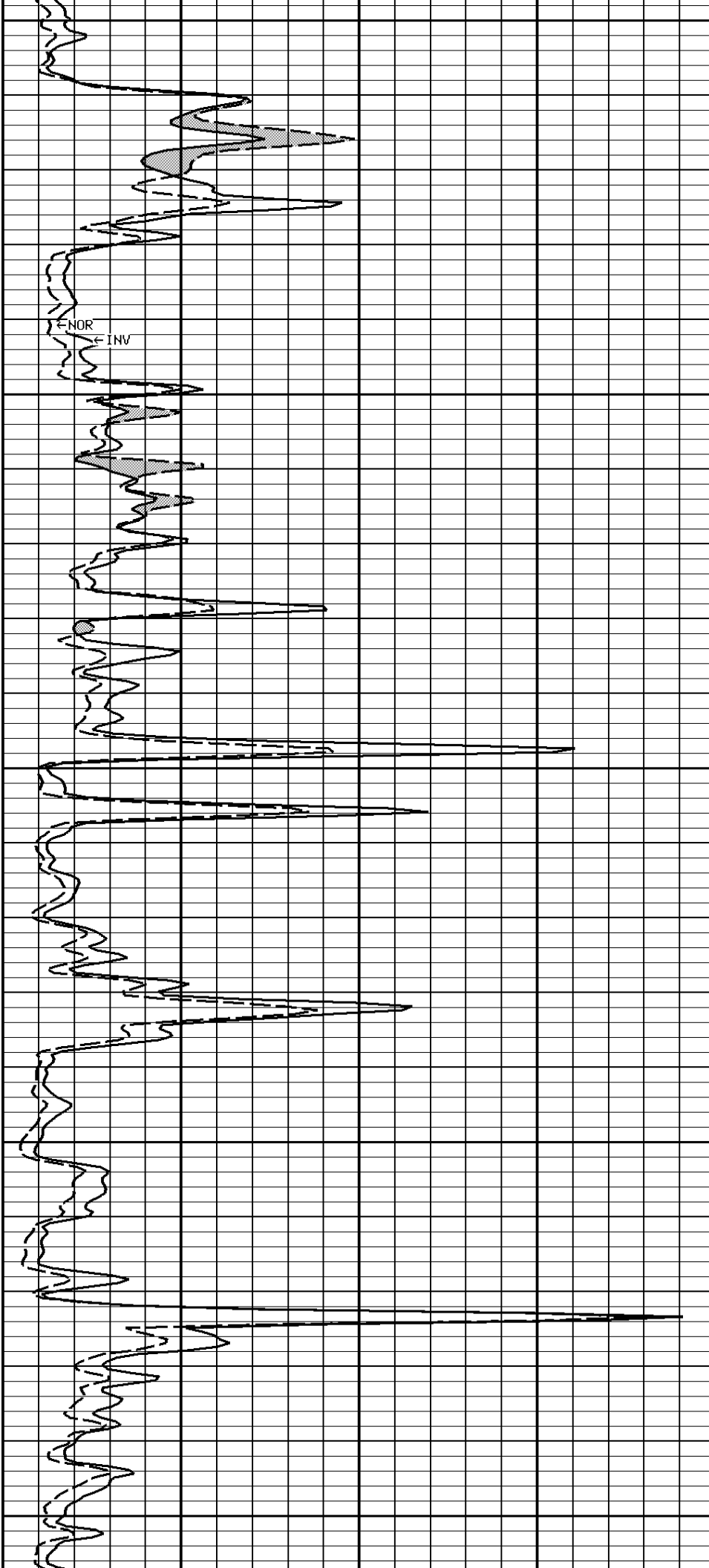


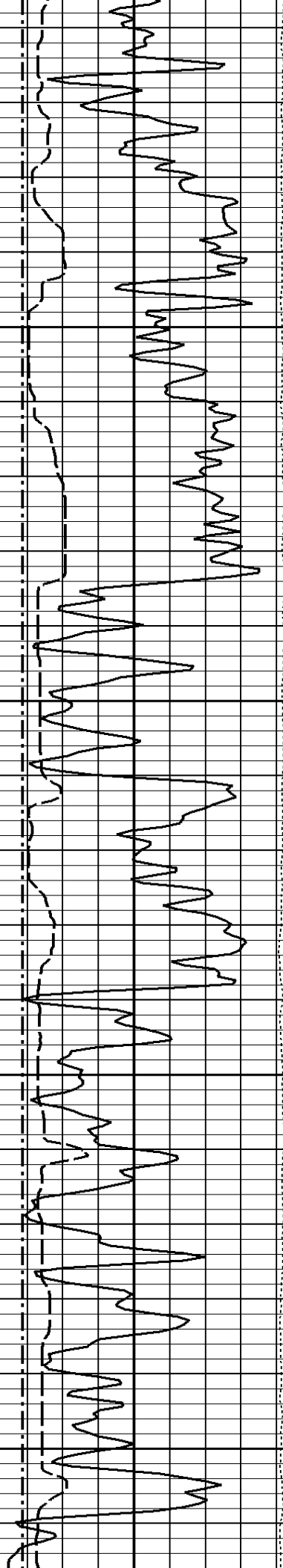


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2400

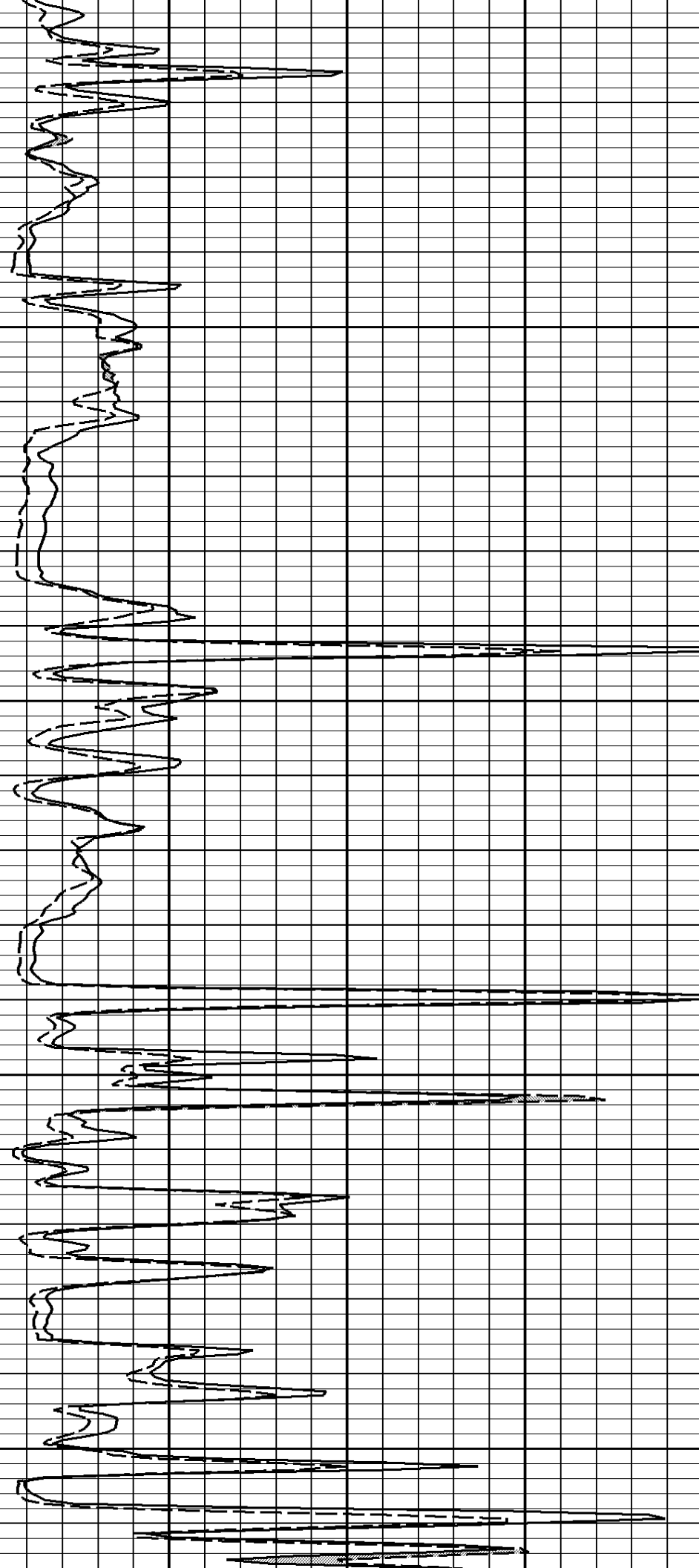


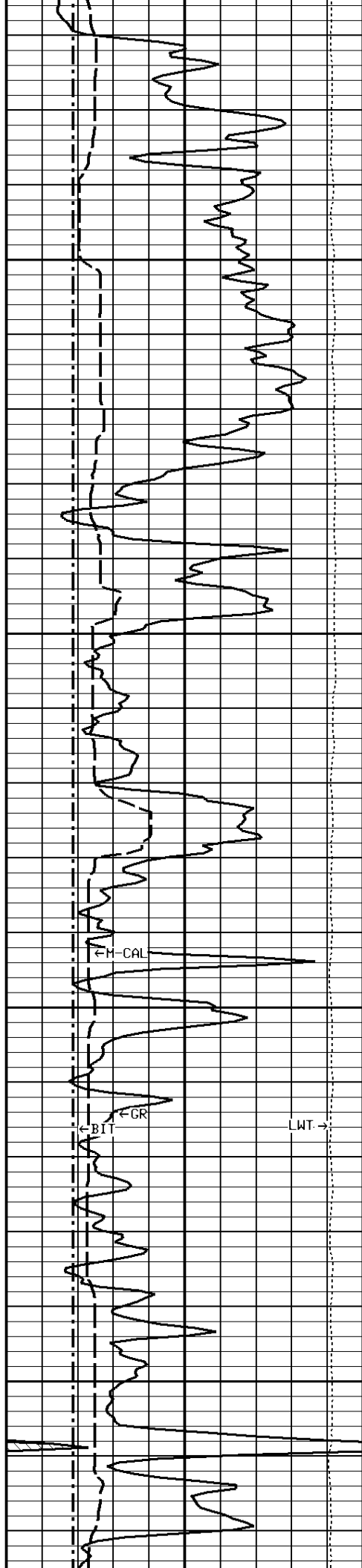




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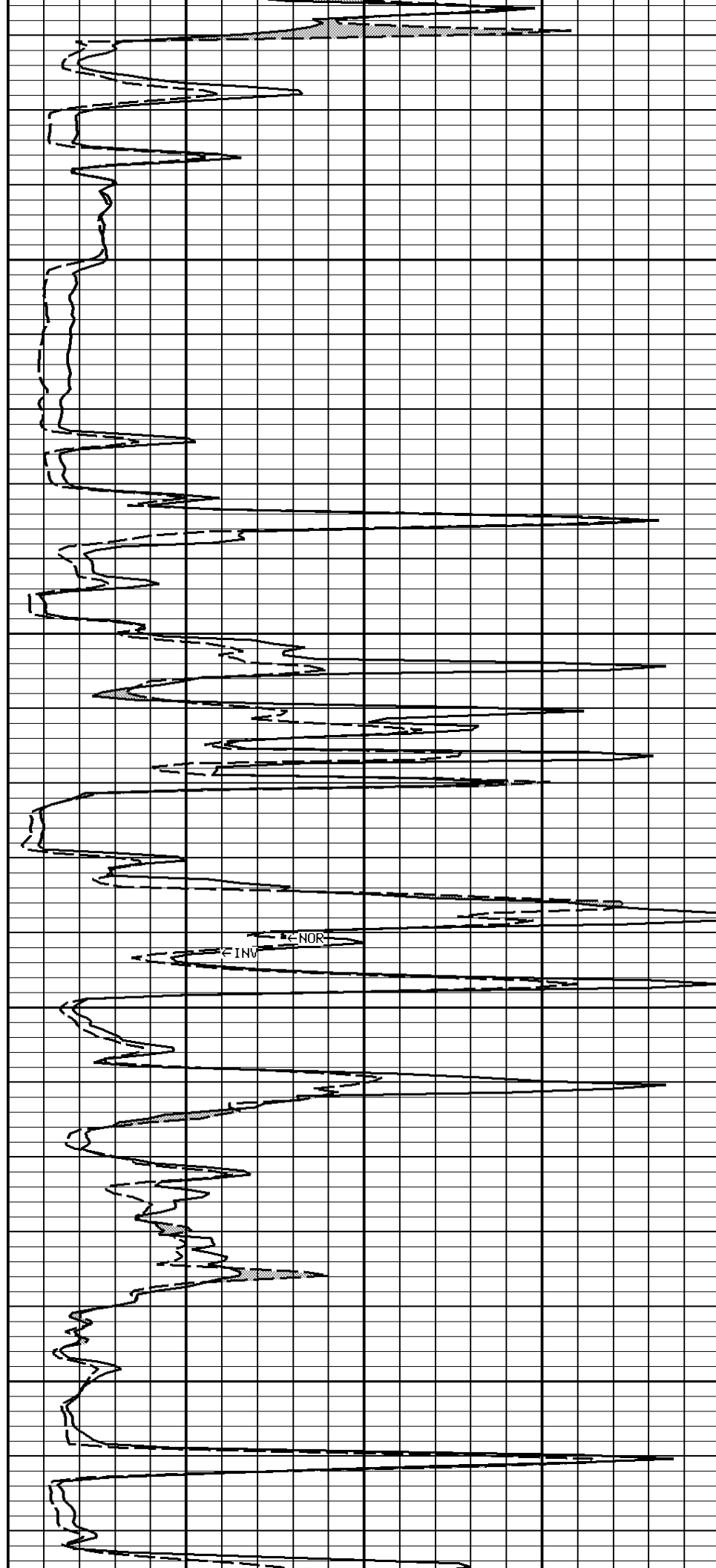
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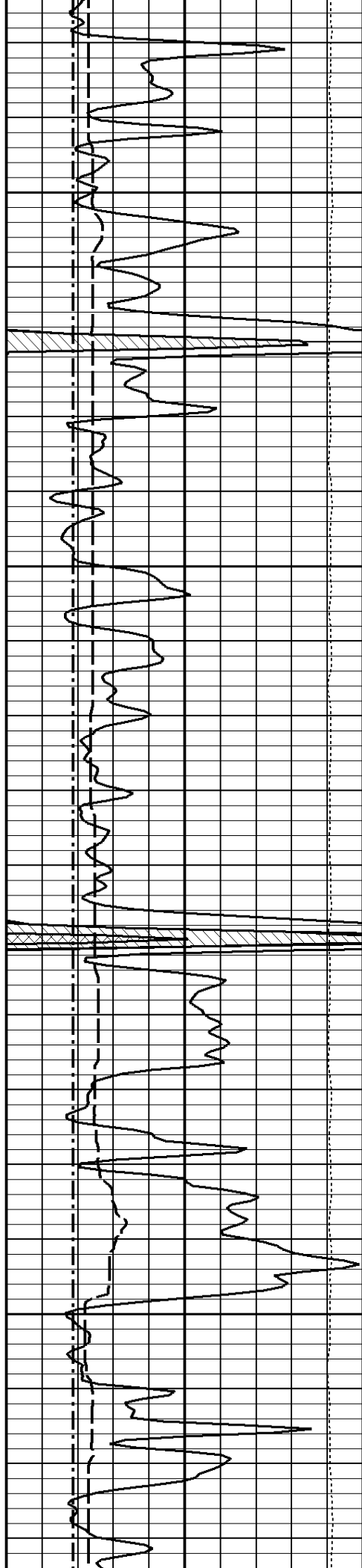




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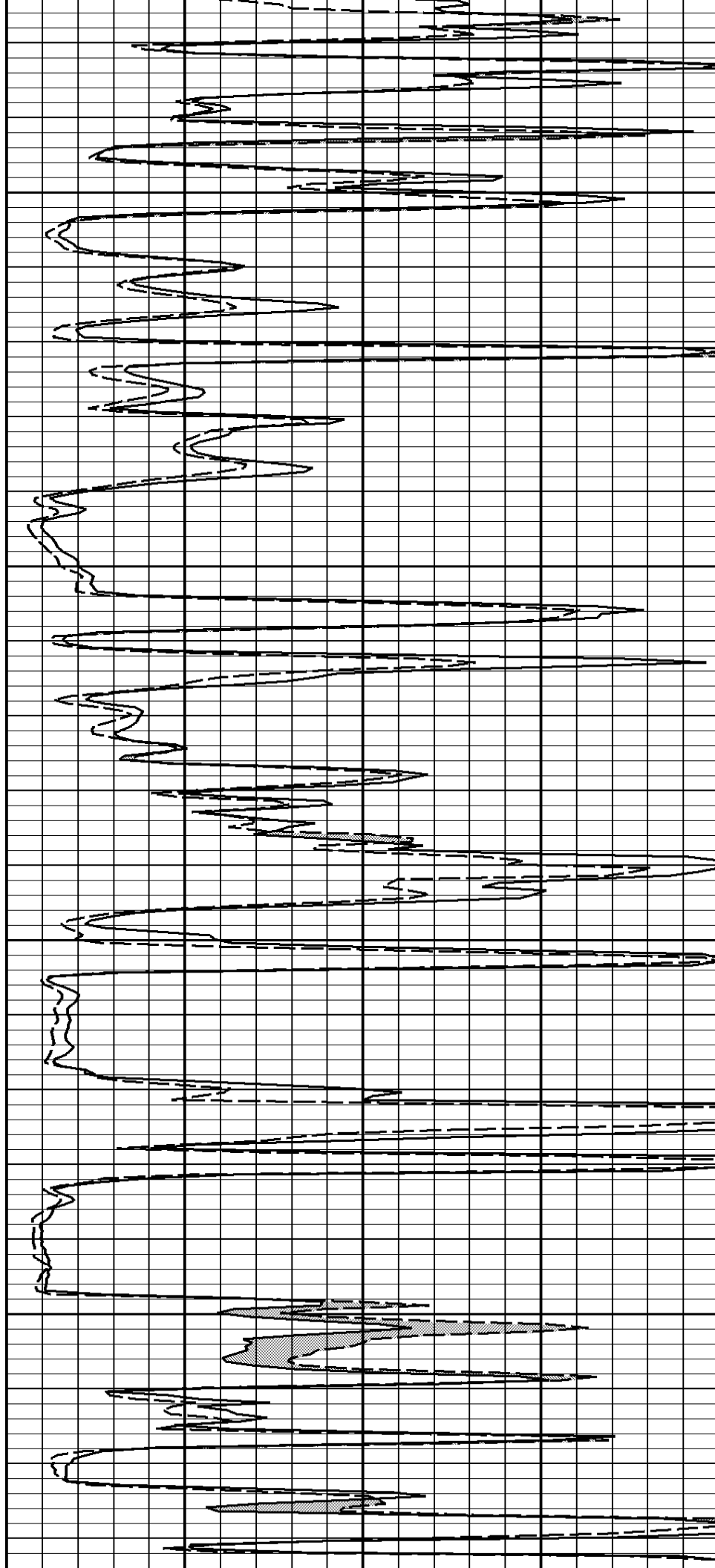
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3100

3200

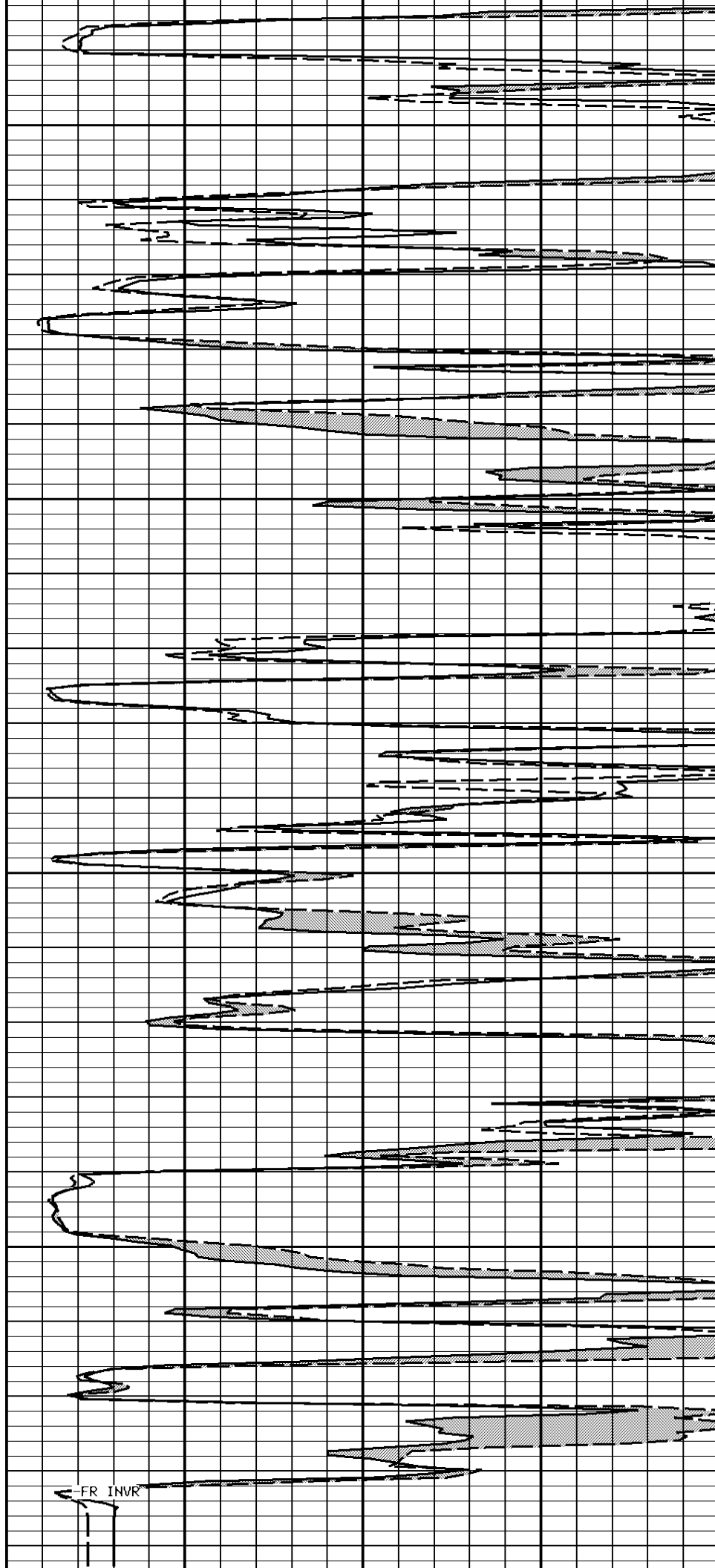




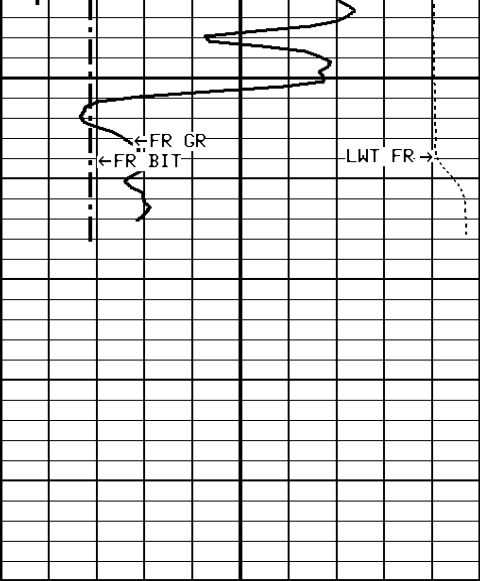
3300

3400

FFR H-CAL



FFR INVR

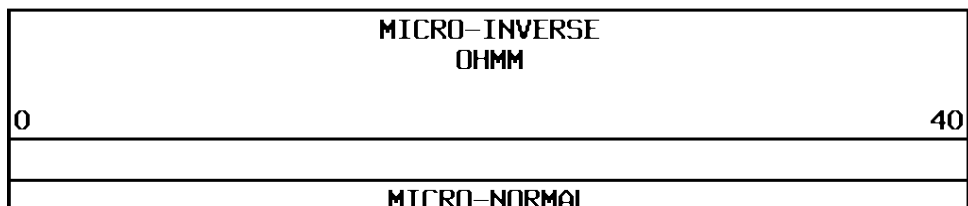
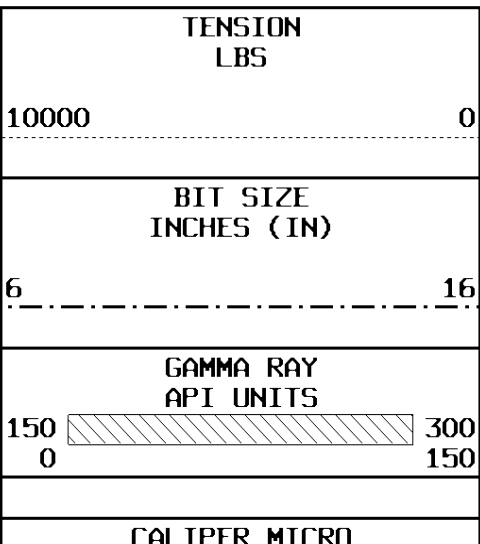
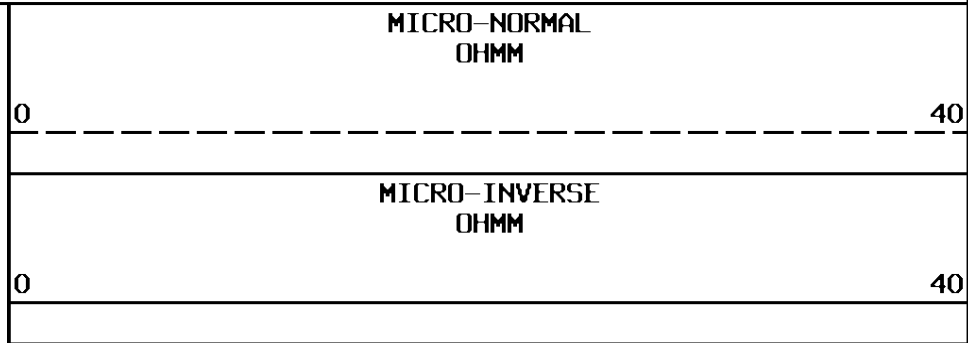
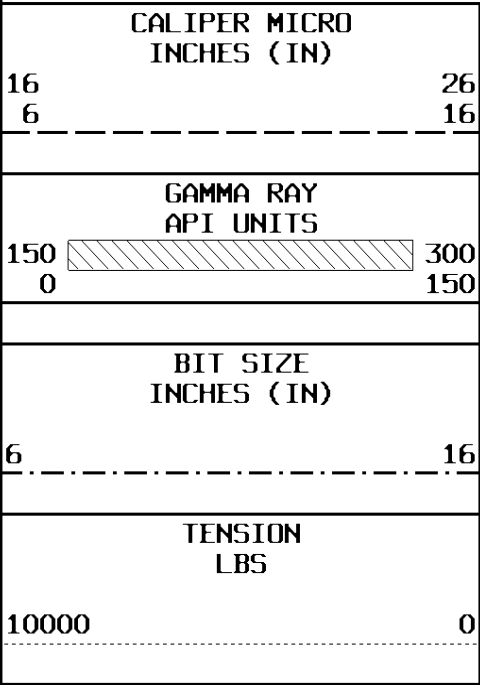


3500

3508

File #715

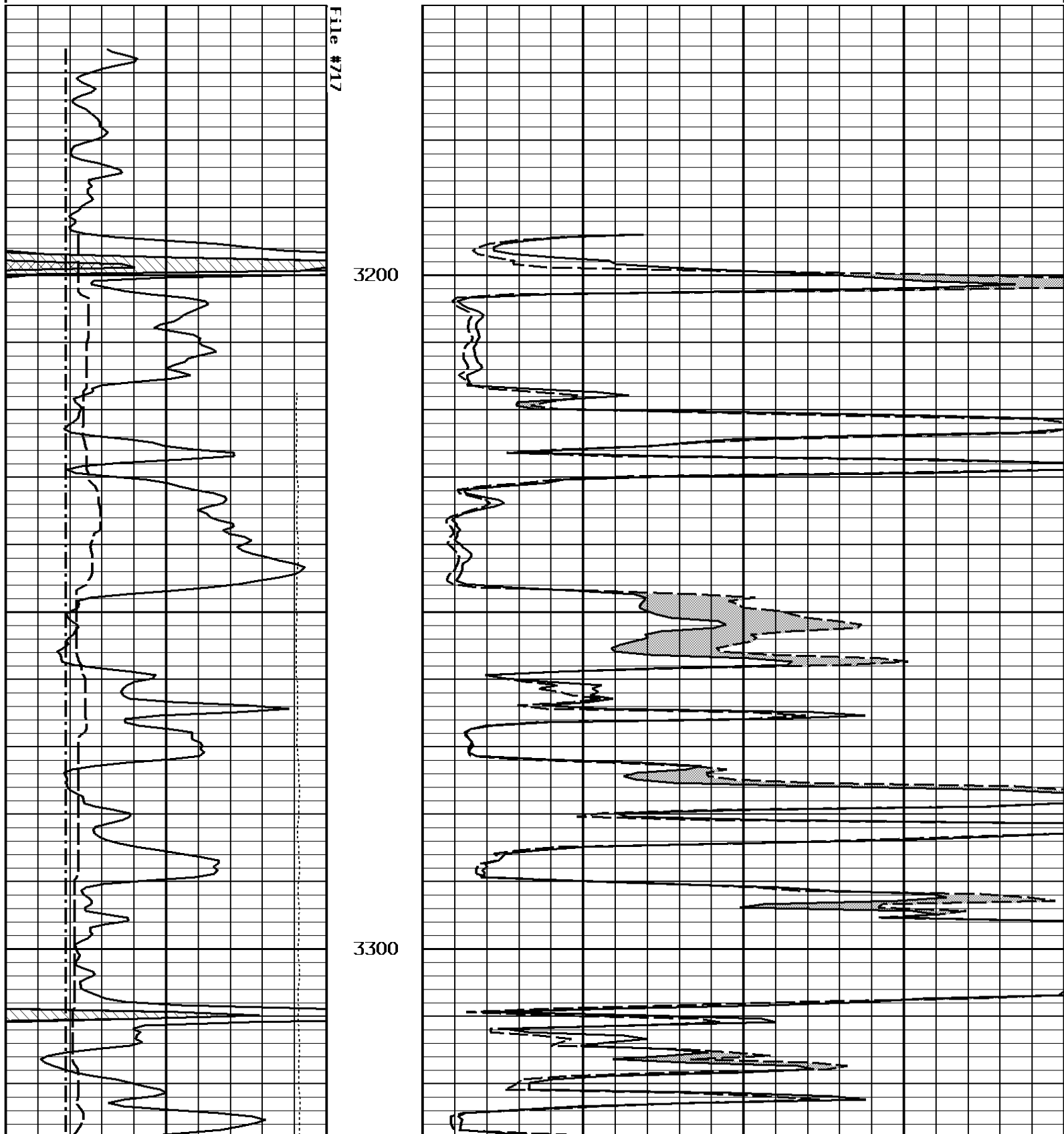
1:240 MAIN SECTION



CHEIFER MICRO INCHES (IN)		MICRO-NORMAL OHMM
16 6	26 16	0

40		

1:240 REPEAT SECTION

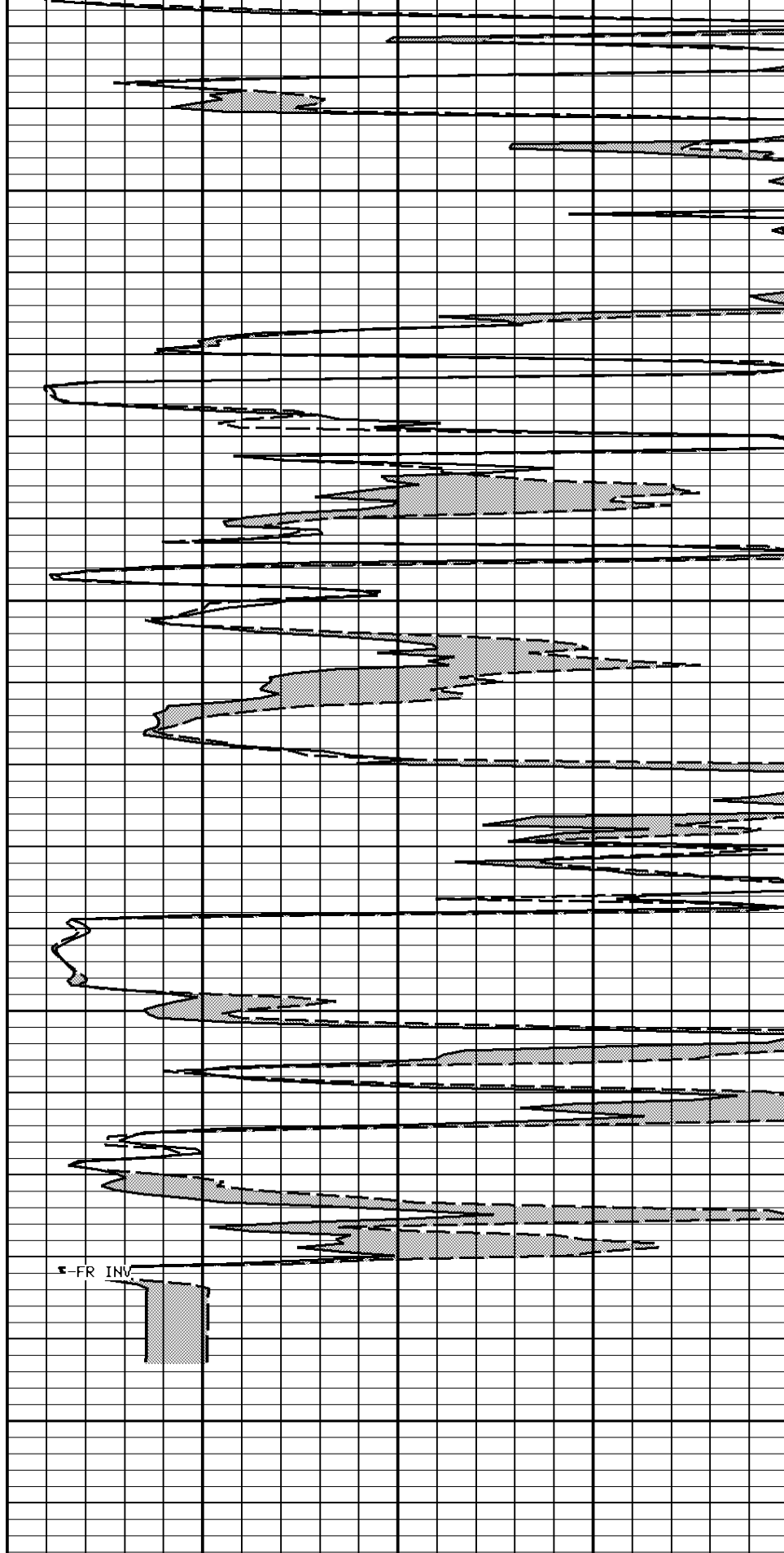




3400

3500

3508



←FR INV

1:240 REPEAT SECTION

CALIPER MICRO
INCHES (IN)16 26
6 16GAMMA RAY
API UNITS150 300
0 150BIT SIZE
INCHES (IN)

6 16

TENSION
LBS

10000 0

MICRO-NORMAL
OHMM

0 40

MICRO-INVERSE
OHMM

0 40

* Calibration Summary *

Shop Calibration
GRTBPerformed : 01-NOV-2010 Time : 02:32
Sensor Suite : GR-GR5 ID : GRT-BC-43

	Measured	Units	Calibrated	Units
GR	Background Jig		Jig	
	41 314	CPS	175	GRAPI

Shop Calibration
MSTPerformed : 01-NOV-2010 Time : 02:29
Sensor Suite : CAL-MSI ID : MST-CA-021

	Jig - Measured	Jig - Calibrated	Units
CL # 1	Ring#1 Ring#2	Ring#1 Ring#2	IN.
	6.7 11.2	6.0 12.0	

Performed : 01-NOV-2010 Time : 02:28
Sensor Suite : MSI-NI ID : MST-CA-021

	Internal					
	Measured	Units	Calibrated	Units		
	Zero	Reference	Zero	Reference	Units	
VN	20.8	30059.9	0.00	555.00	MV	
VI	26.9	29891.6	0.00	555.00	MV	
MPNR				90.91	OHMM	
MPIR				49.67	OHMM	

