

Tucker

MICRO LOG

WIRELINE SERVICES

Company LB EXPLORATION INC. Well WOLKINS #15-1 Field MEDICINE LODGE-BOGGS County BARBER State KANSAS Country USA API No. 15-007-23860-00-00		File No : TUL-57682 Company : LB EXPLORATION INC. Well : WOLKINS #15-1 Field : MEDICINE LODGE-BOGGS County : BARBER State : KANSAS Country : USA API No : 15-007-23860-00-00	
Location : 660' FSL & 330' FEL E2 SE SE		LSD : Sect : 15 Twp : 33S Rge : 13W	
Permanent Datum:	GL	Elevations:	
Drilling Measured From:	KB	KB	1612.00
Log Measured From:	KB	DF	1611.00
Above Permanent Datum:	13.00 Ft	GL	1599.00
Date	04-11-2012		
Run Number	1		
Depth--Driller	5150.0	Ft	
Depth--Logger	5150.0	Ft	
First Reading	513.0	Ft	
Last Reading	2500.0	Ft	
Casing--Driller	356.0	Ft	
Casing--Logger	355.0	Ft	
Bit Size	7.875	In	
Casing Size	8.625	In	
Hole Fluid Type	WBM		
Density	9.5	LBS/GAL	
Fluid Loss	22.0	CC	
PH/Viscosity	8.0	58.0 SEC	
Sample Source	MEASURED		
RM@Measured Temp.	0.450	@ 68 F	
RMF@Measured Temp	0.380	@ 68 F	
RMG@Measured Temp.	0.520	@ 68 F	
Source RMF/RMC	CALCULATED/CALCULATED		
RM@BHT	0.230	@ 138 F	
Time Circulation Stopped			
Max Recorded Temp.	138	F	
Equipment/Base	123	TULSA	
Recorded By	R. FRANKLIN, S. DAVIS		
Witnessed By	S. PETERMANN		

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.

Bitsize Intervals		Casing Strings		
Size (In)	Bottom (Ft)	Size (In)	Weight (Lbs)	Bottom (Ft)
7.875	5150.00	8.625	32.00	356.00

Run Number	1	
Date	04-11-2012	
Date/Time On Bottom	04-11-2012 15:15	
Depth to Fluid	0.0 Ft	
Salinity	0.000 PPM	
RMF@BHT	0.190 @ 138 F	
RMC@BHT	0.270 @ 138 F	

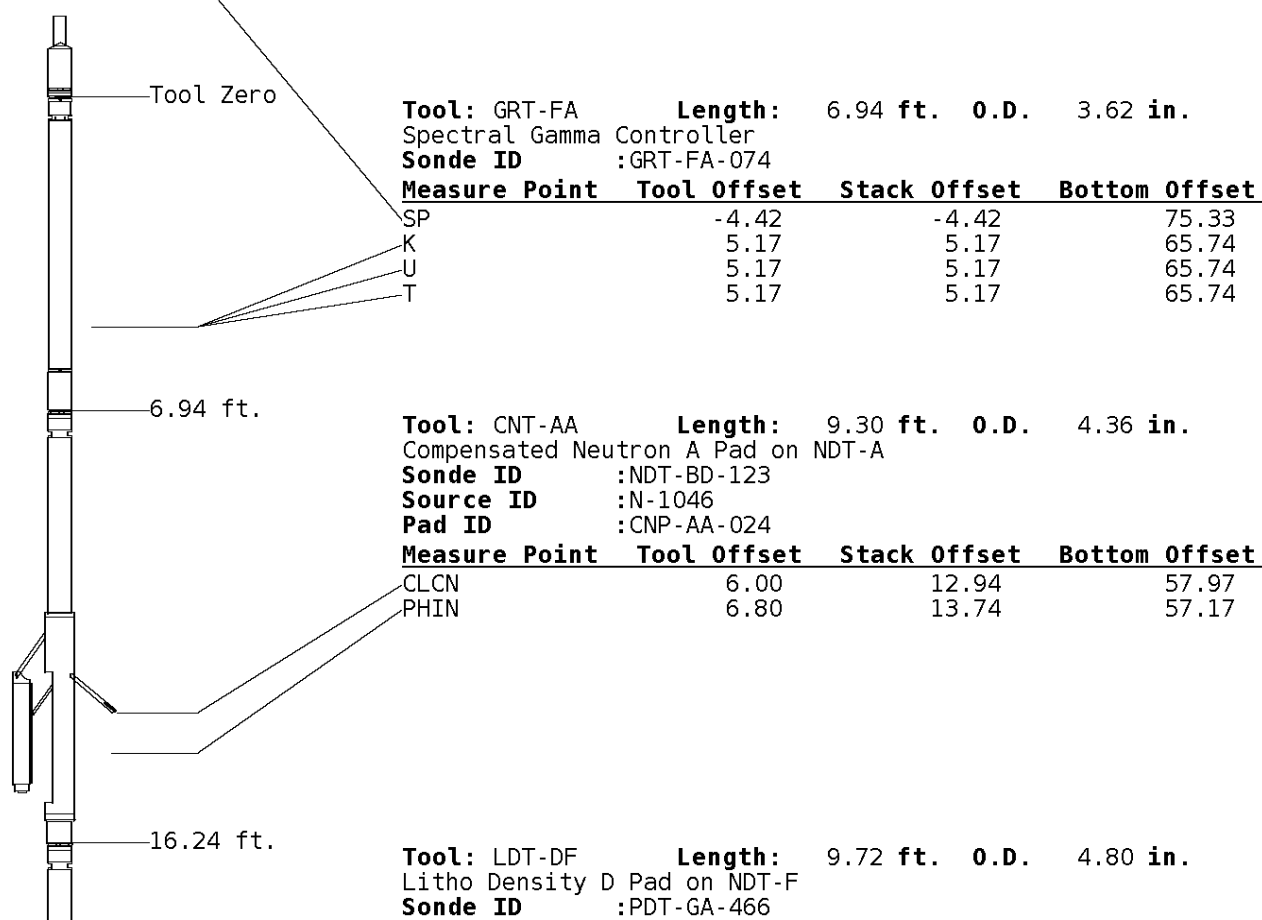
ALL PRESENTATIONS AS PER CUSTOMER REQUEST.
 SGT, CNT, LDT, MLT, CST, AND PIT RUN IN COMBINATION.
 CALIPERS ORIENTED ON X-Y AXIS.
 2.71 G/CC USED TO CALCULATED POROSITY.
 ANNULAR HOLE VOLUME CALCULATED USING 5.50" PRODUCTION CASING.
 PHIN IS CALIPER CORRECETD.

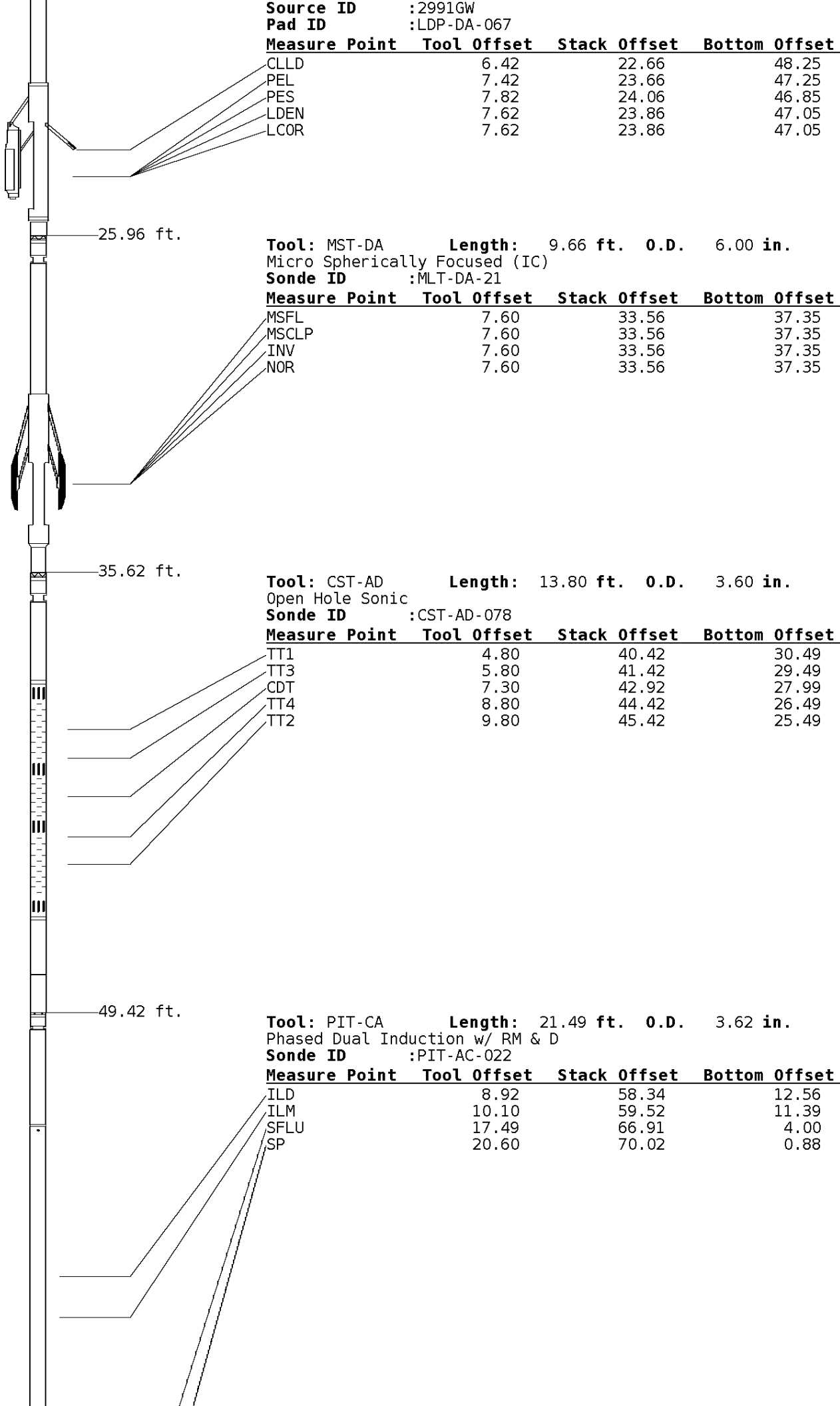
GRT: GRP, GRX, UFGRP, S-KK, S-TK, S-UK.
 CNT: PHIN, CLCNIN, PHXN,
 LDT: PORL, PXRL, LCORN, LCORNX, PECLN, PECLNX, LDENN, LDENNX, PORLLS, CLLDIN.
 MLT: NOR_RF, INV_RF, MSCLPIN.
 CST: PORL, CDTF, ITT, TT1PF, TT2PF, TT3PF, TT4PF.
 PIT: ILD, ILM, SPU, SFLAEC.

OPERATORS:
 N. LOYD
 B. STEPHENS

Tool String Schematic

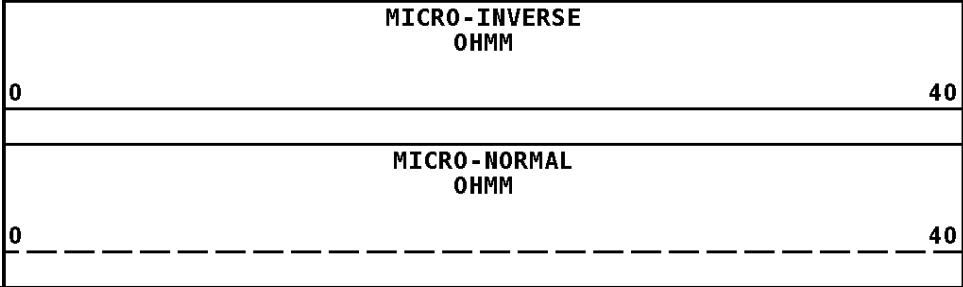
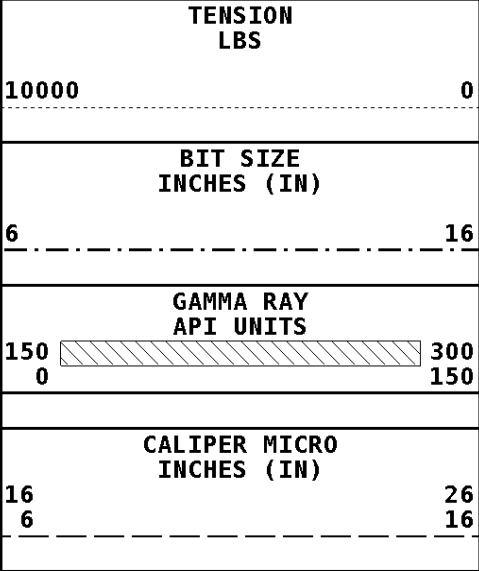
Total Tool Length - 70.91 ft.
Maximum Outside diameter - 6.00 in.
Net Weight in Air - 1202.00 lbs.



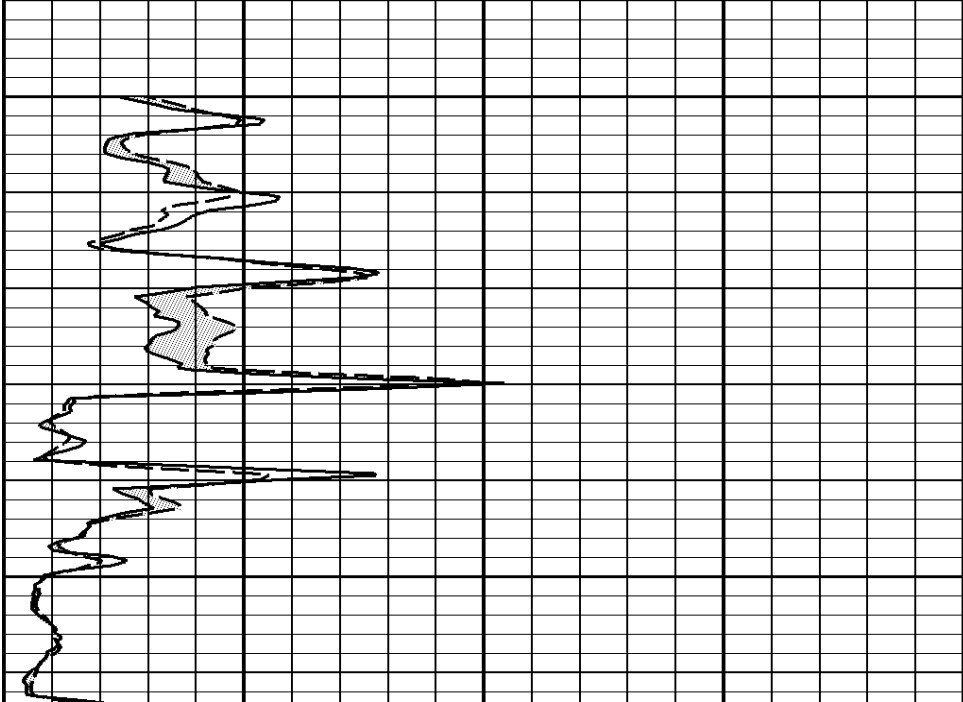
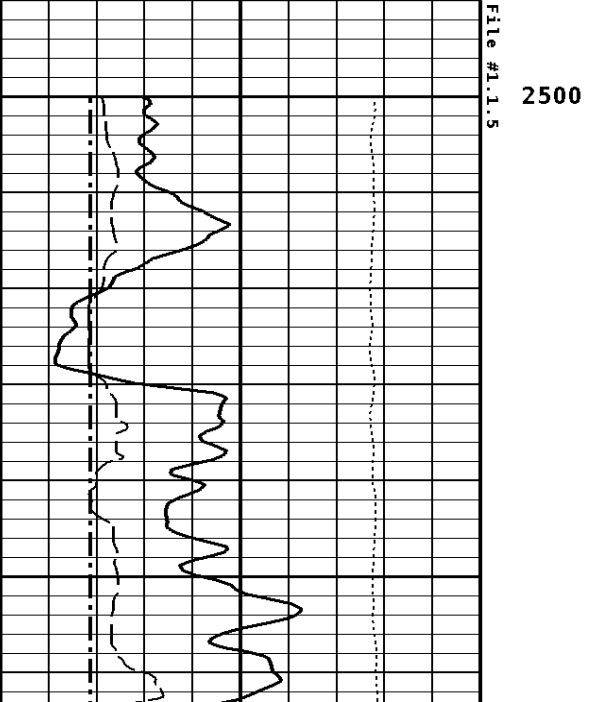


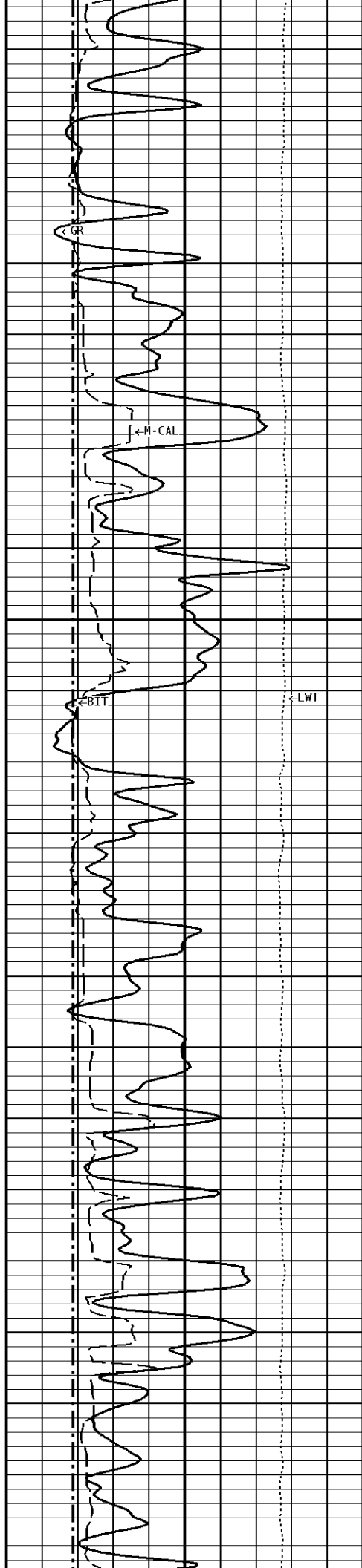


Well File: LBE WOL 15-1 APR 11_SGTQUINT	Scale: 1:240
Segment: V1.D1.S5 MAIN	Acquired: 2012-04/11 15:34 3.2.0-10367
Reference: 0	Processed: 2012-04/11 19:08 3.2.0-10367



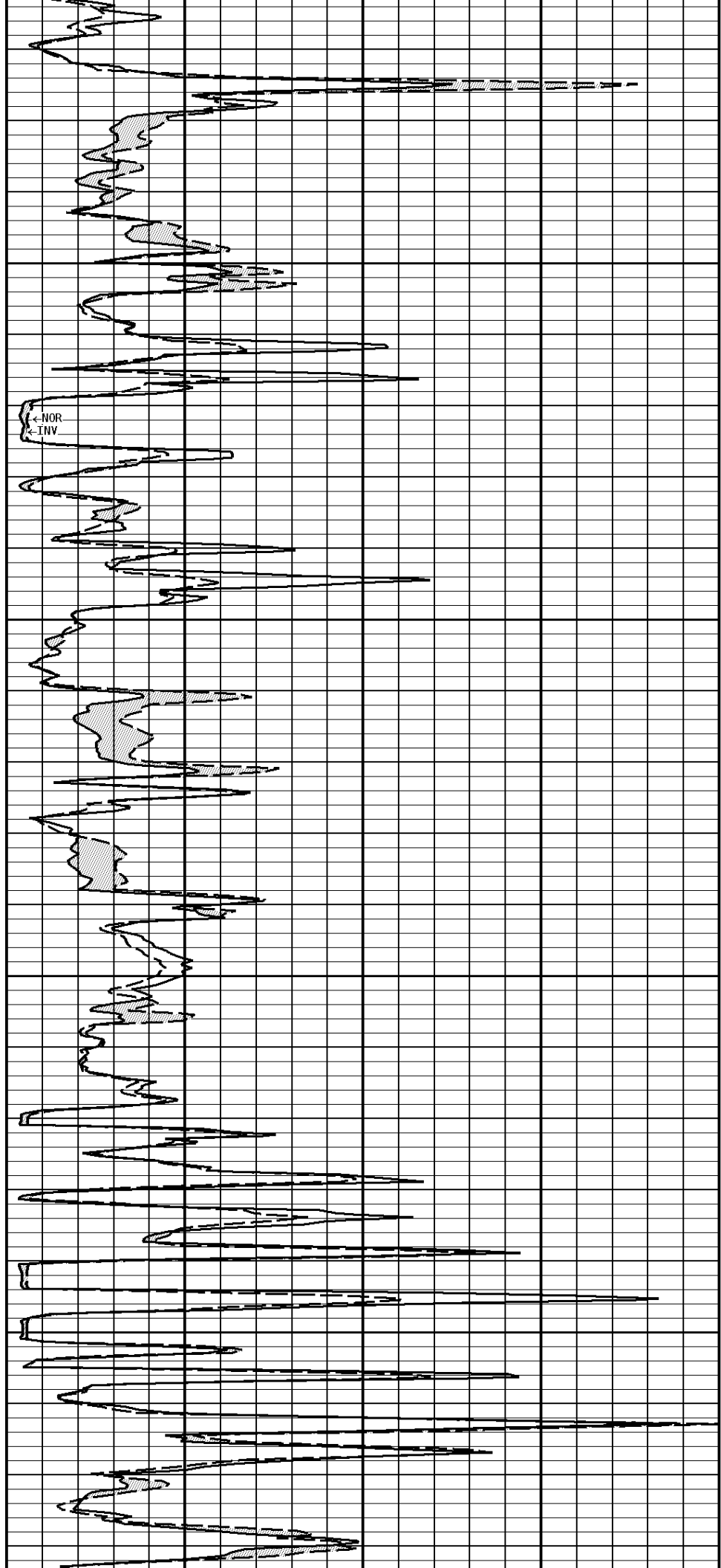
1:240 MAIN SECTION

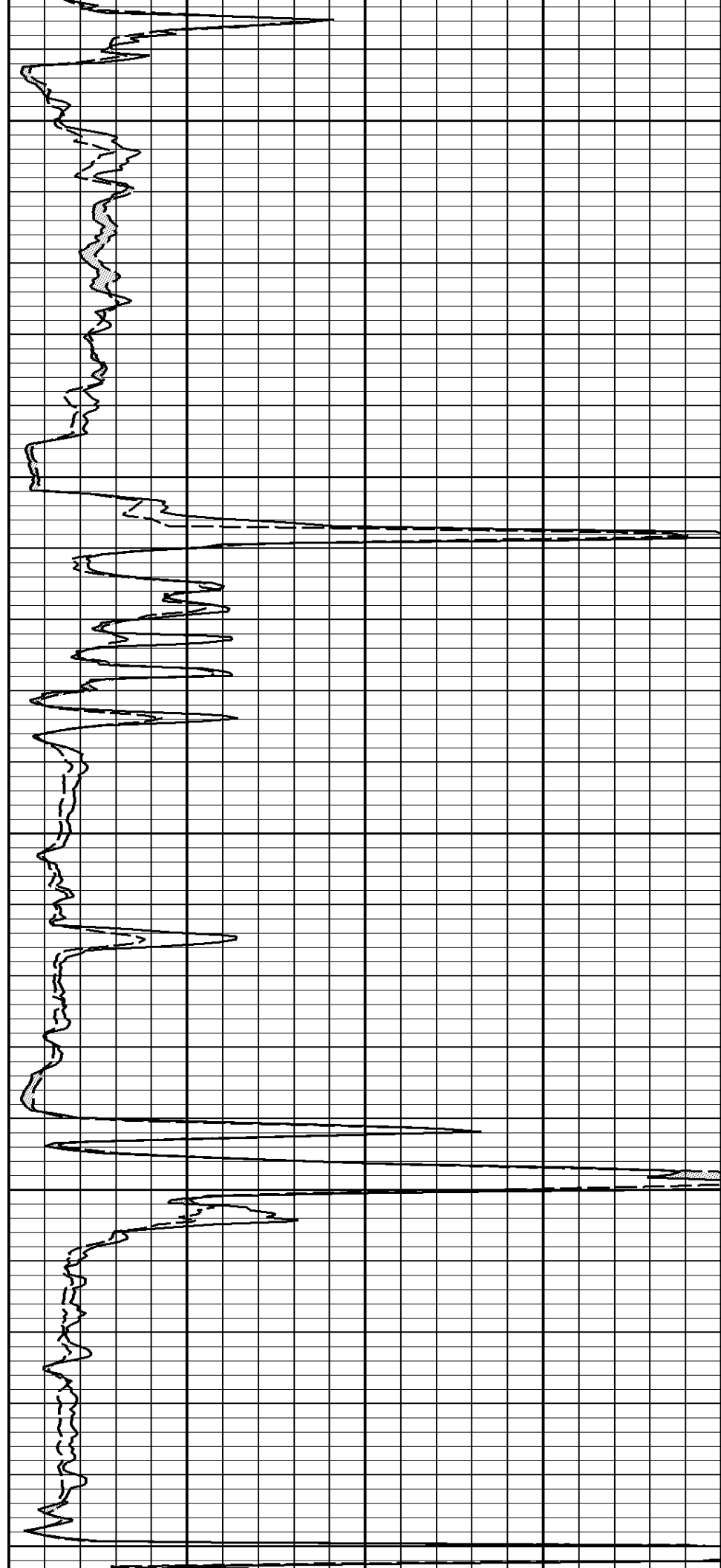
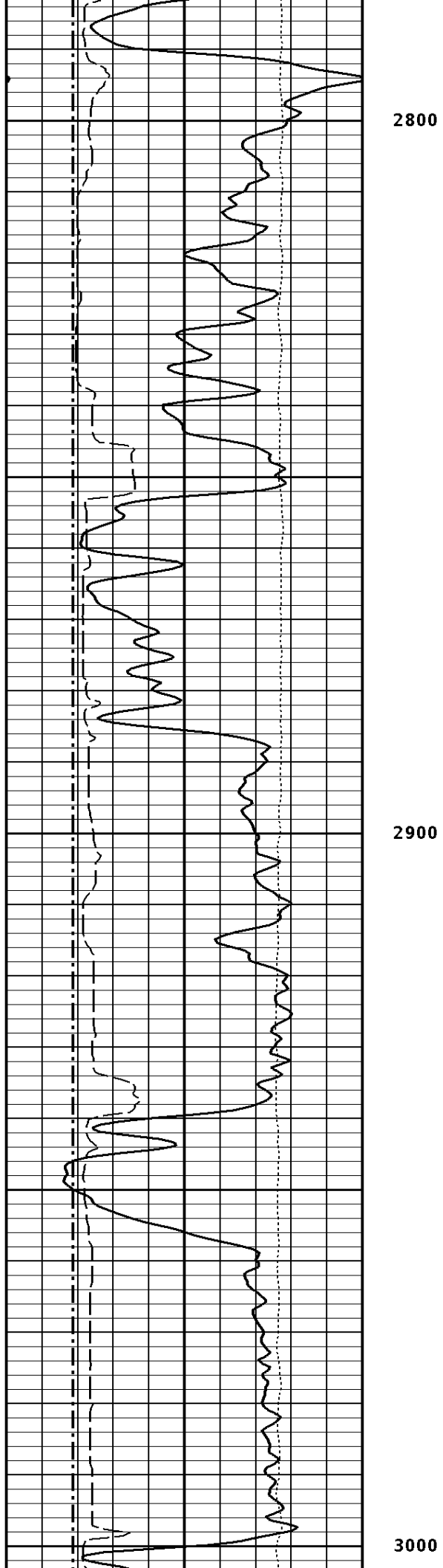


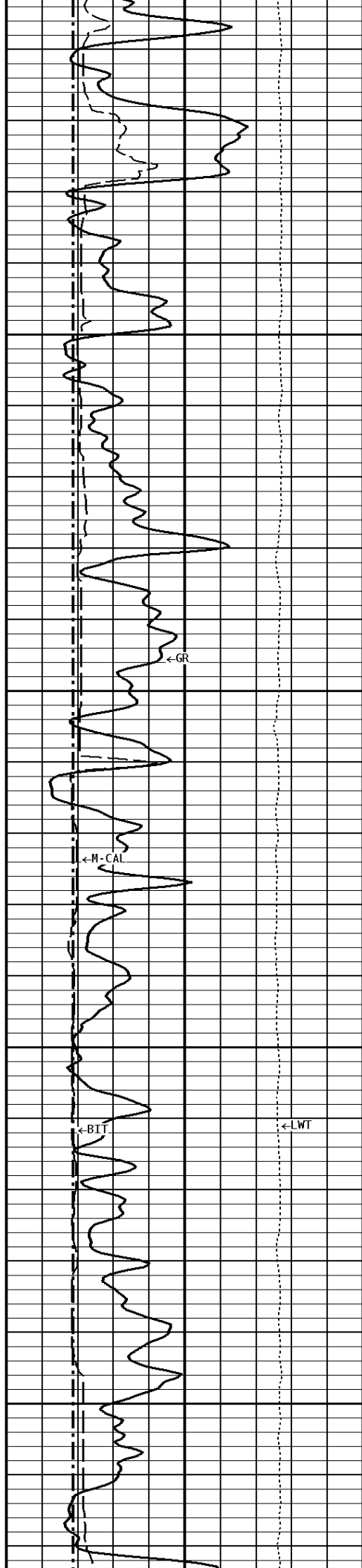


2600

2700

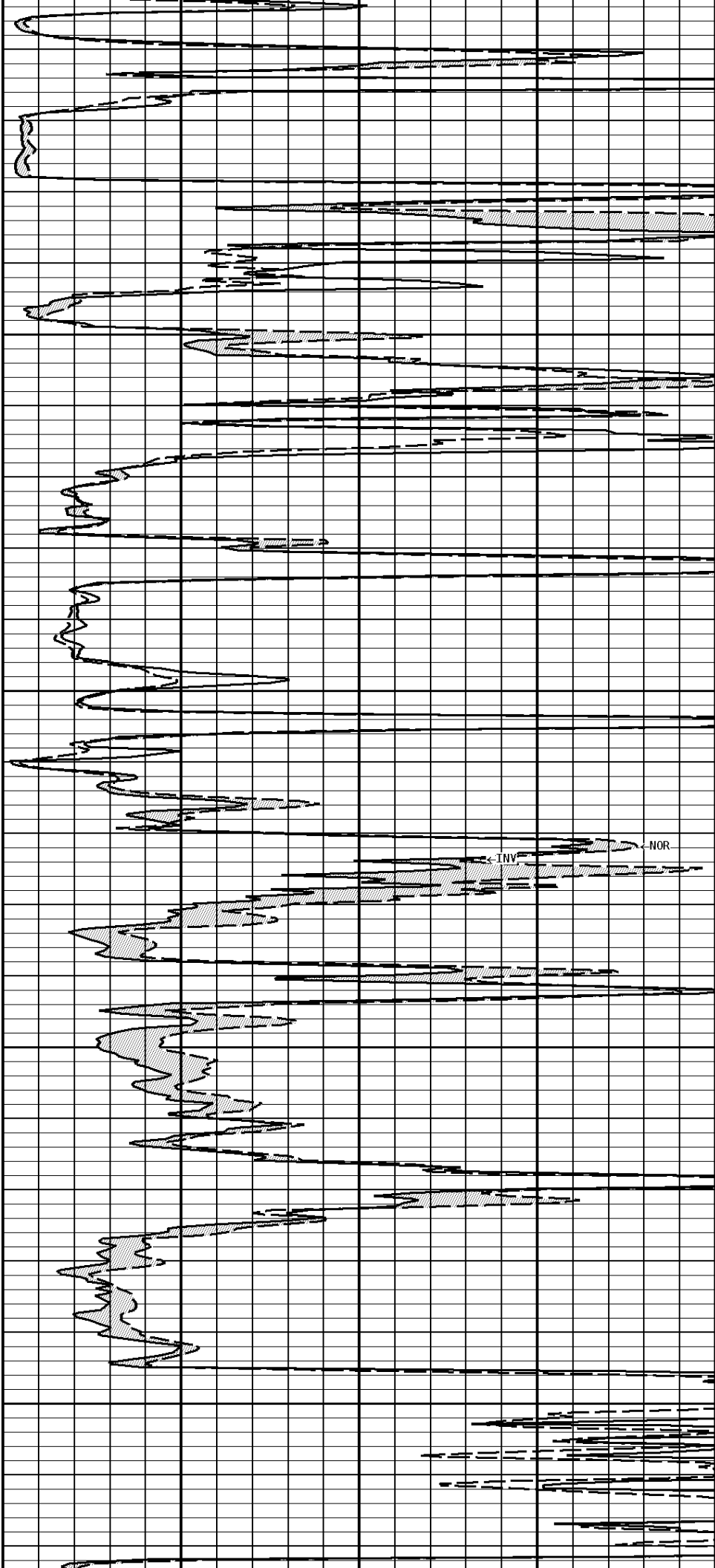


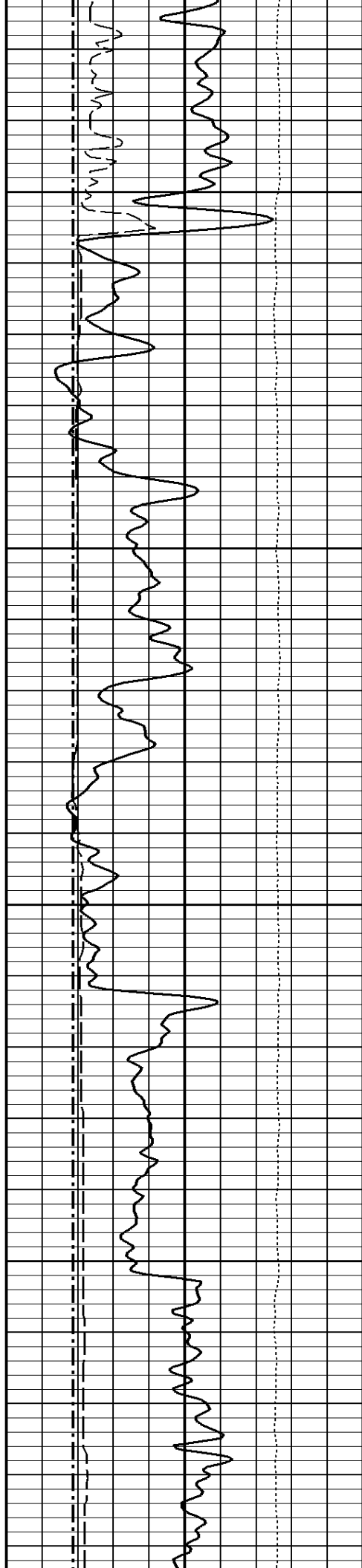




3100

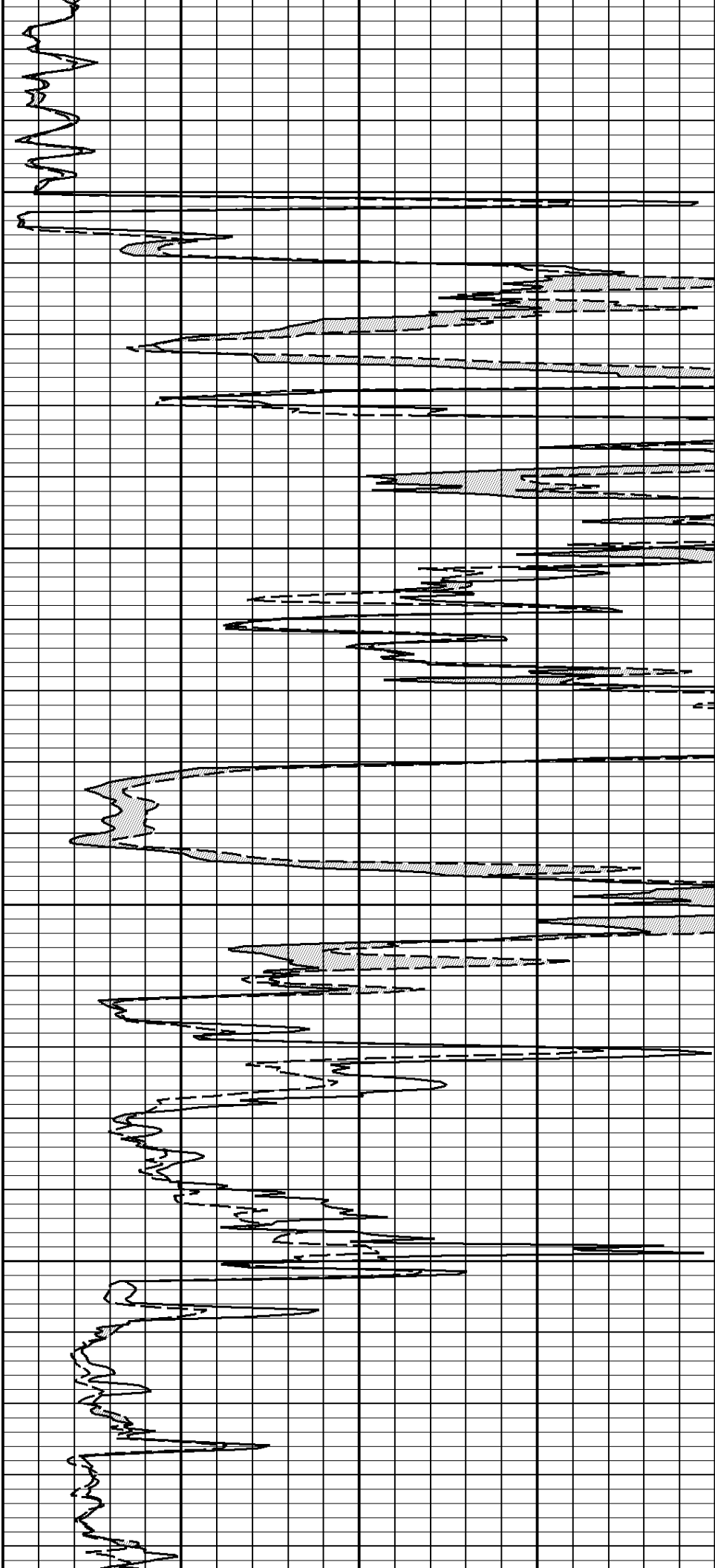
3200

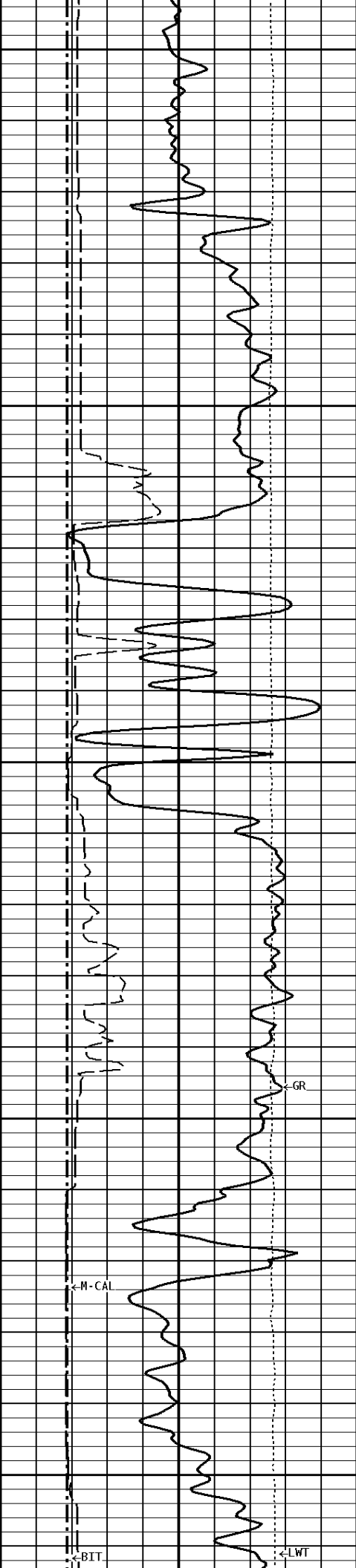




3300

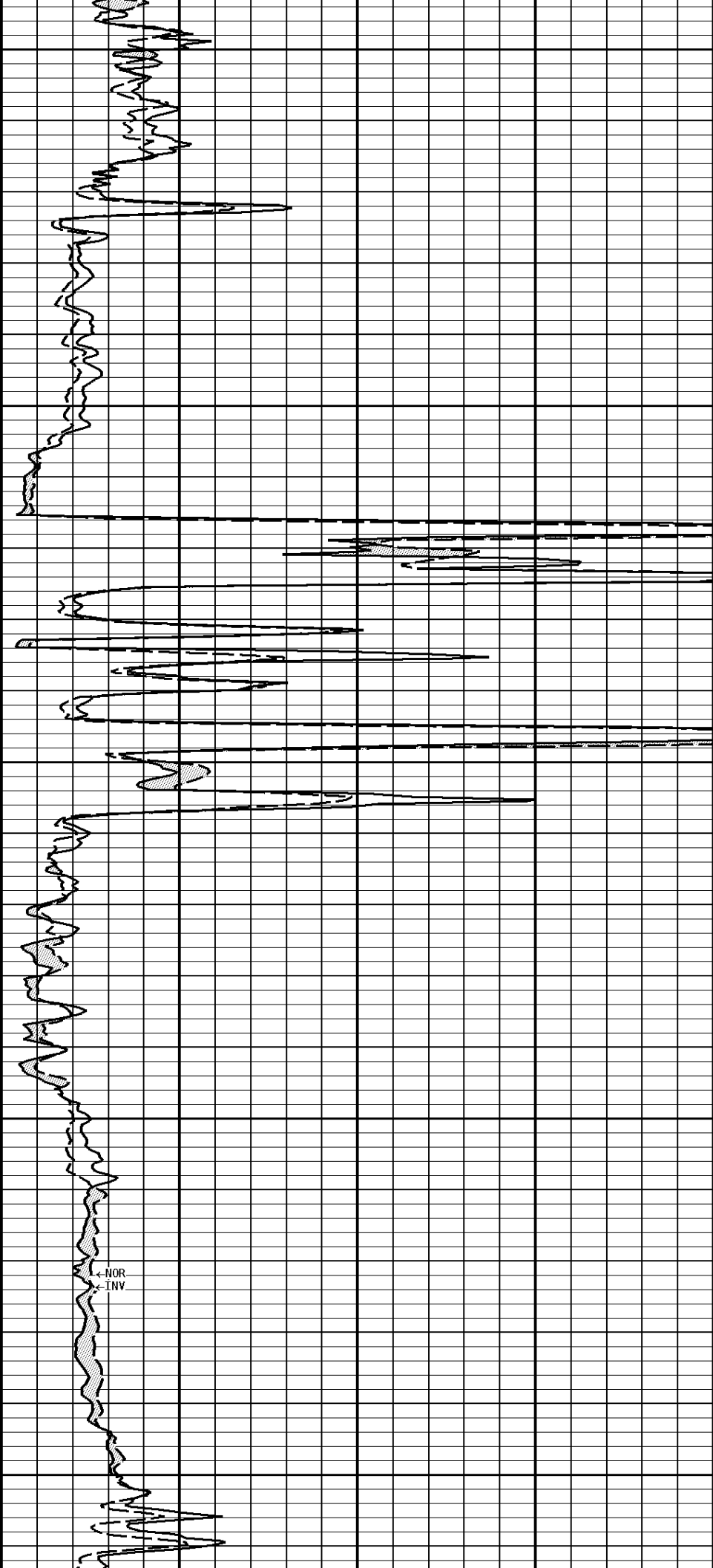
3400

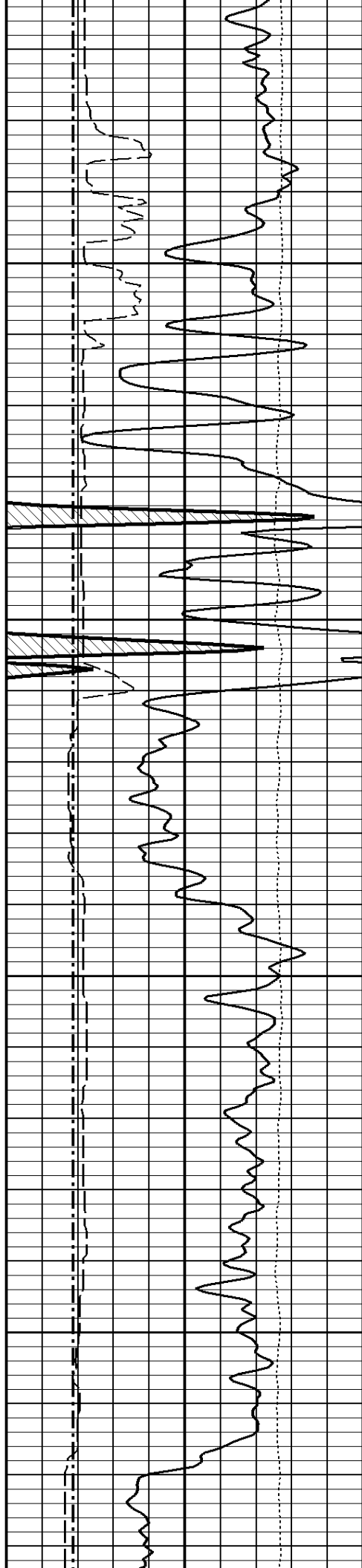




3500

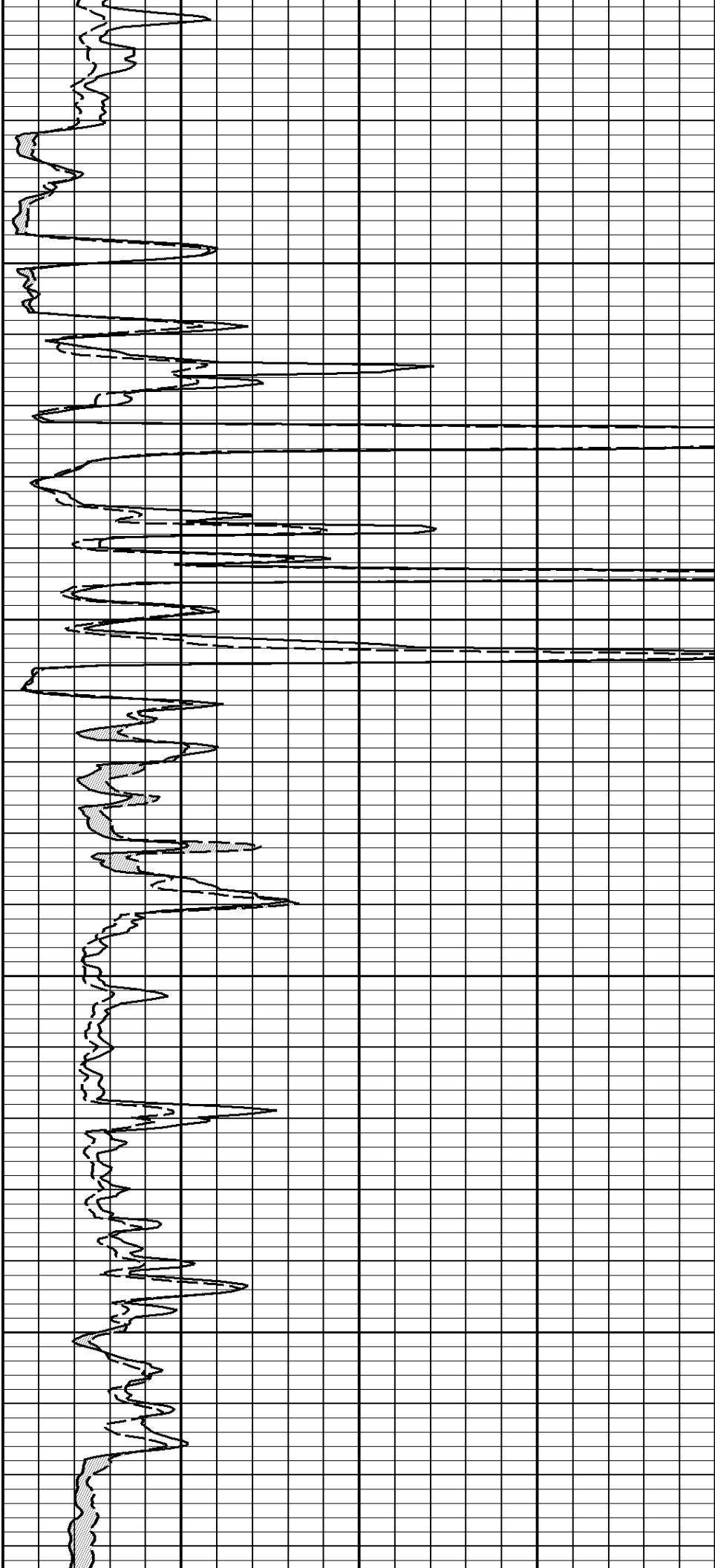
3600

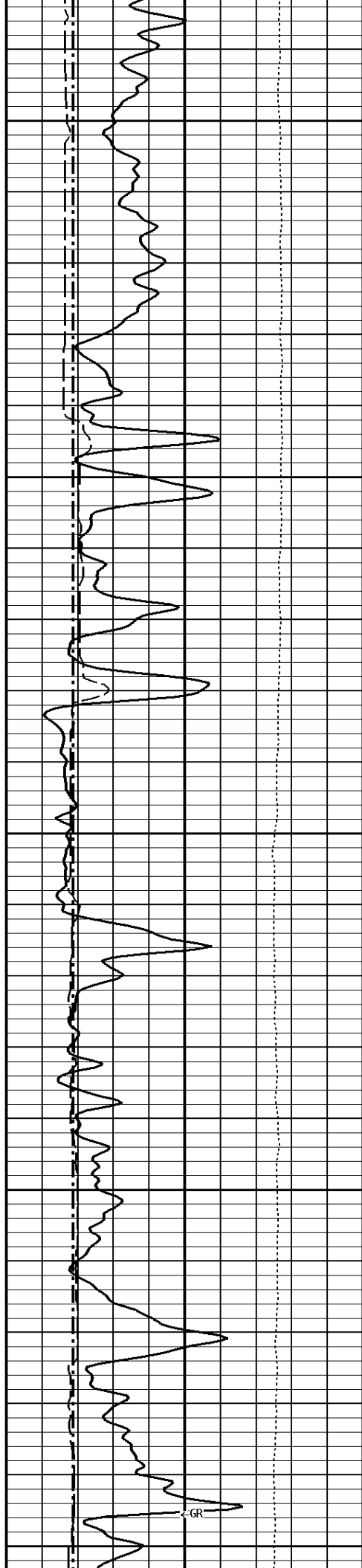




3700

3800

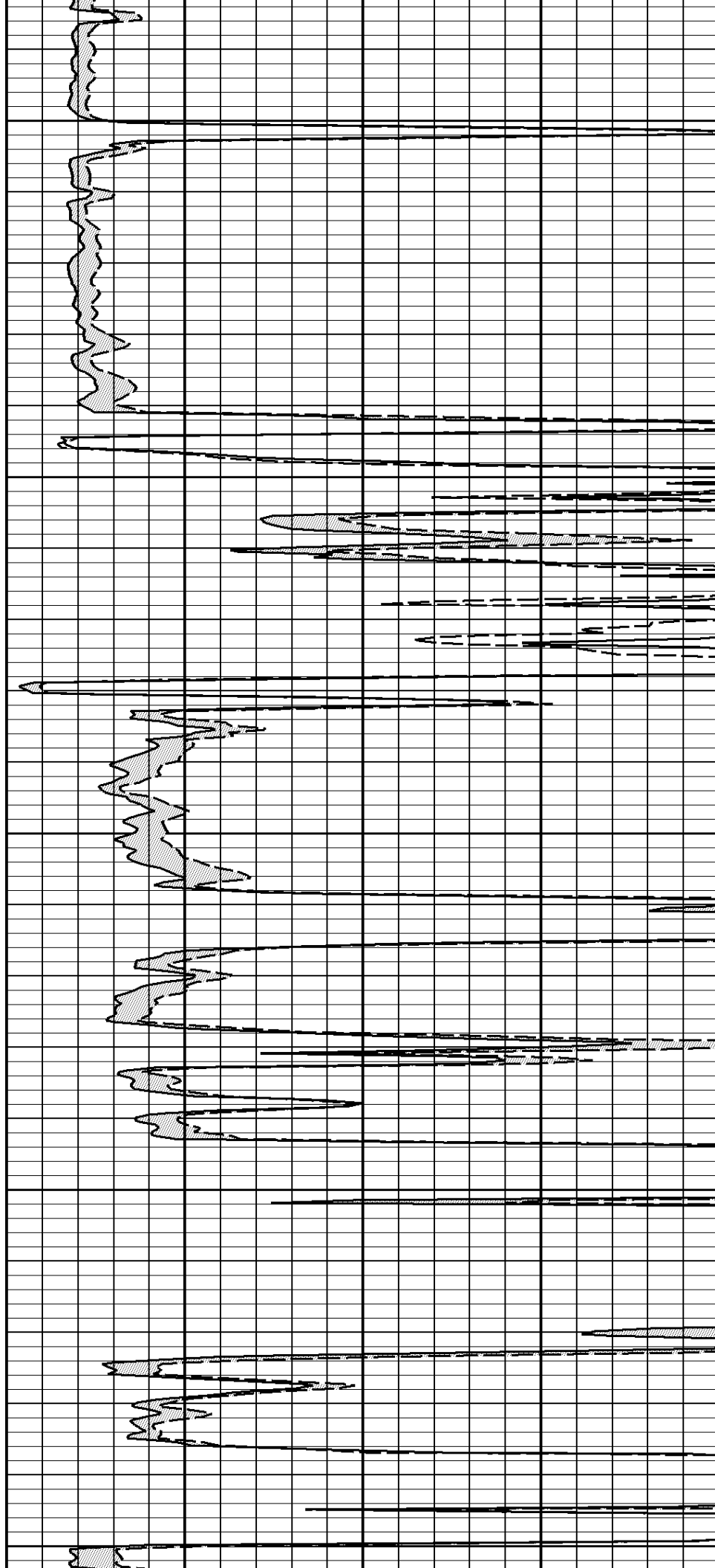


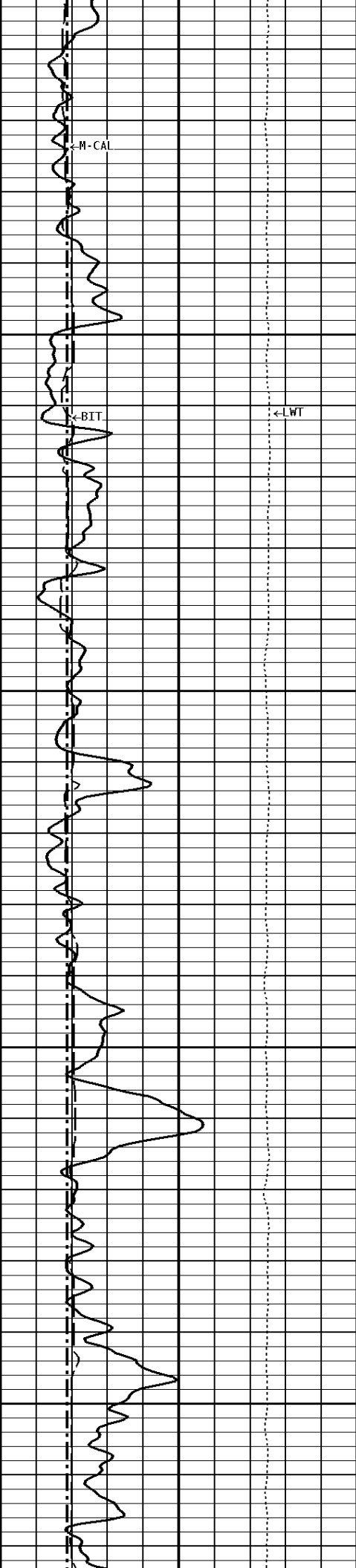


3900

4000

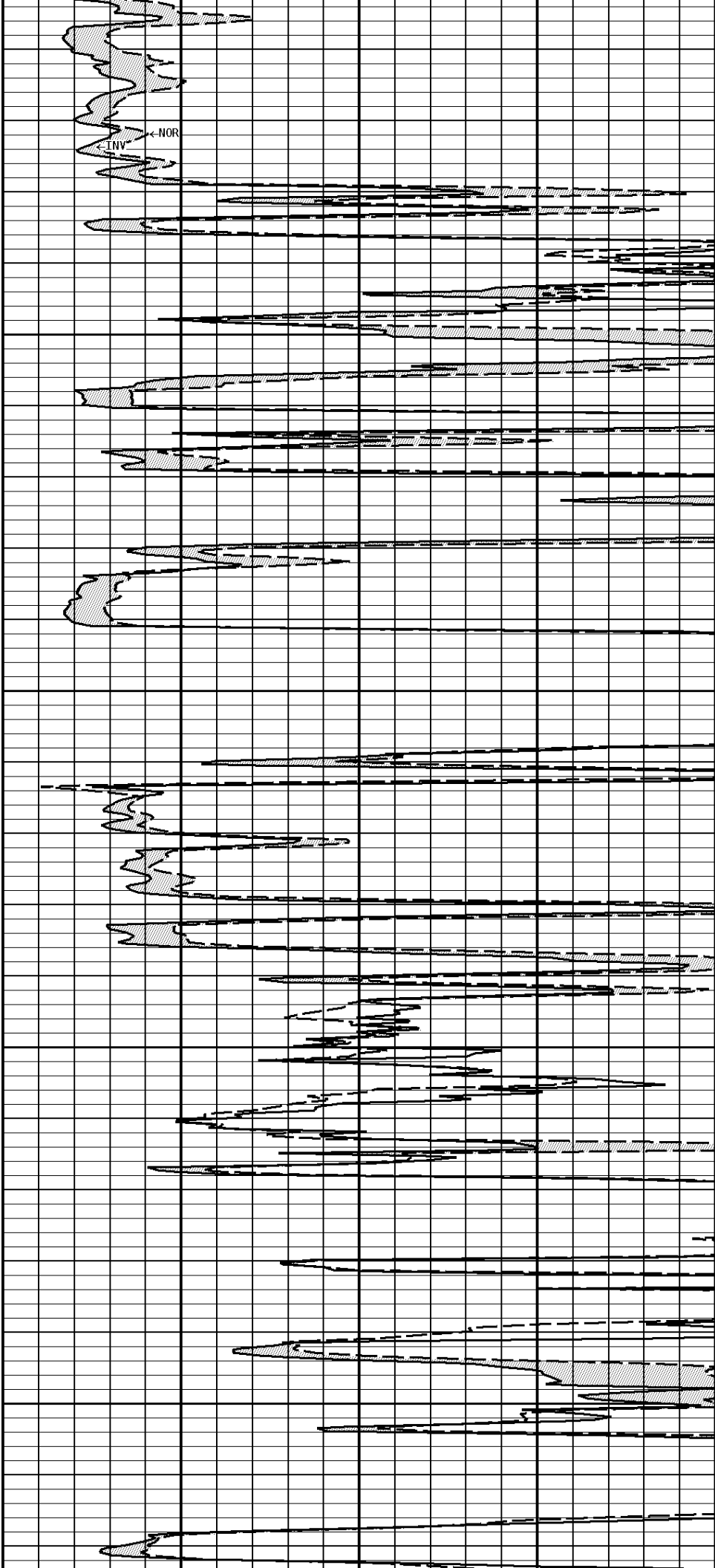
4100

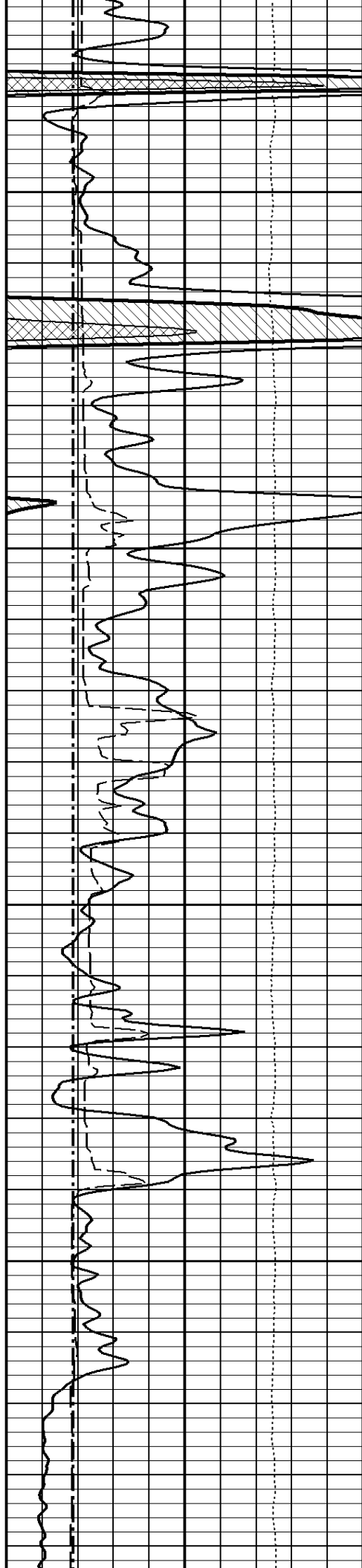




4200

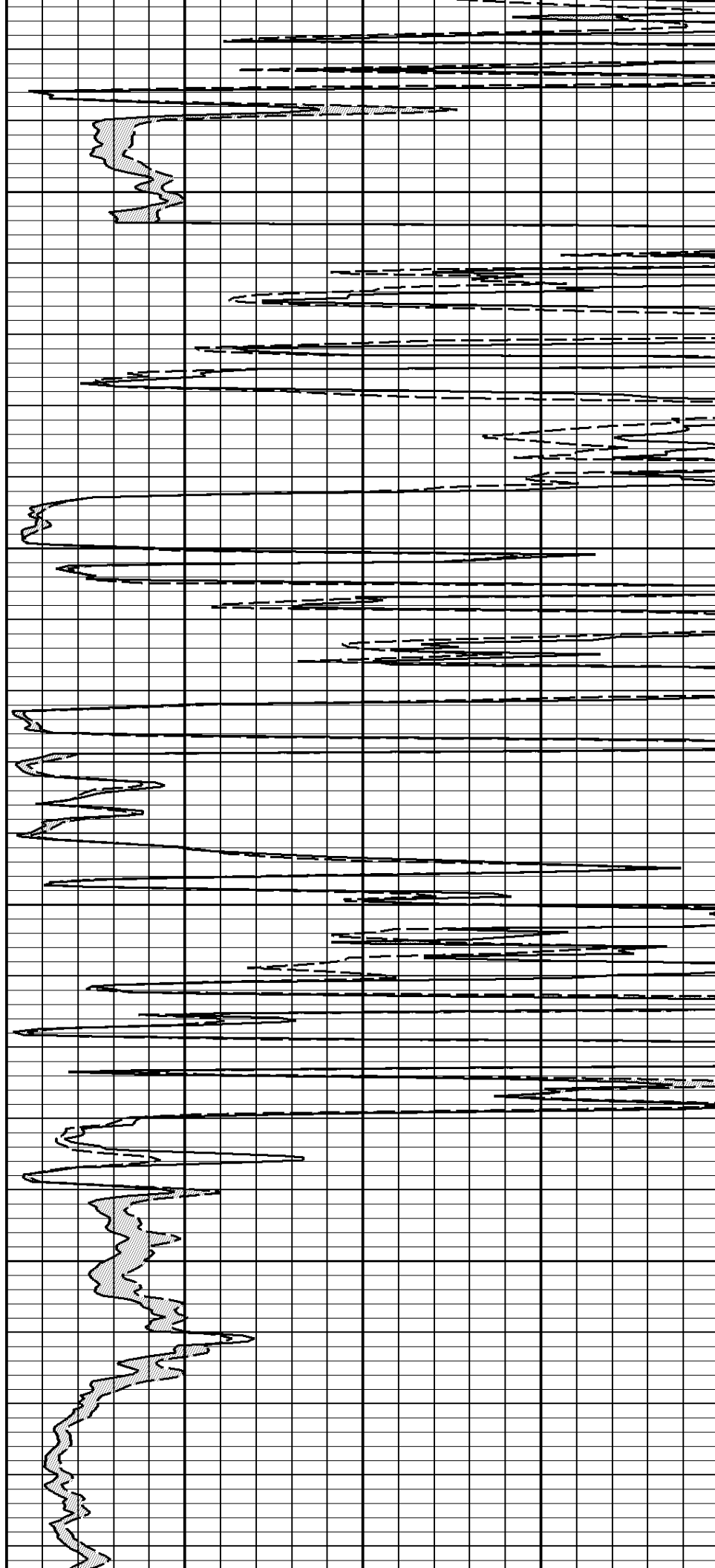
4300

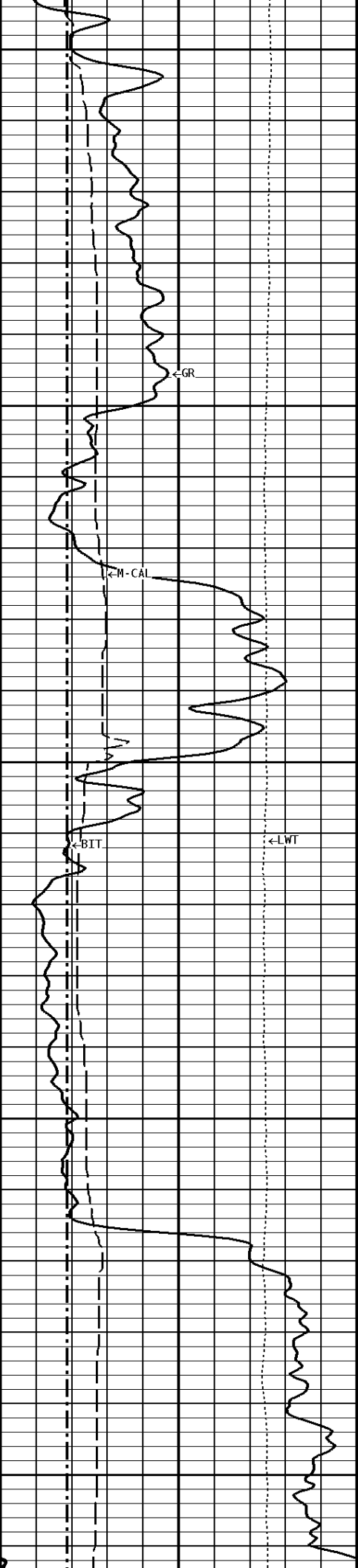




4400

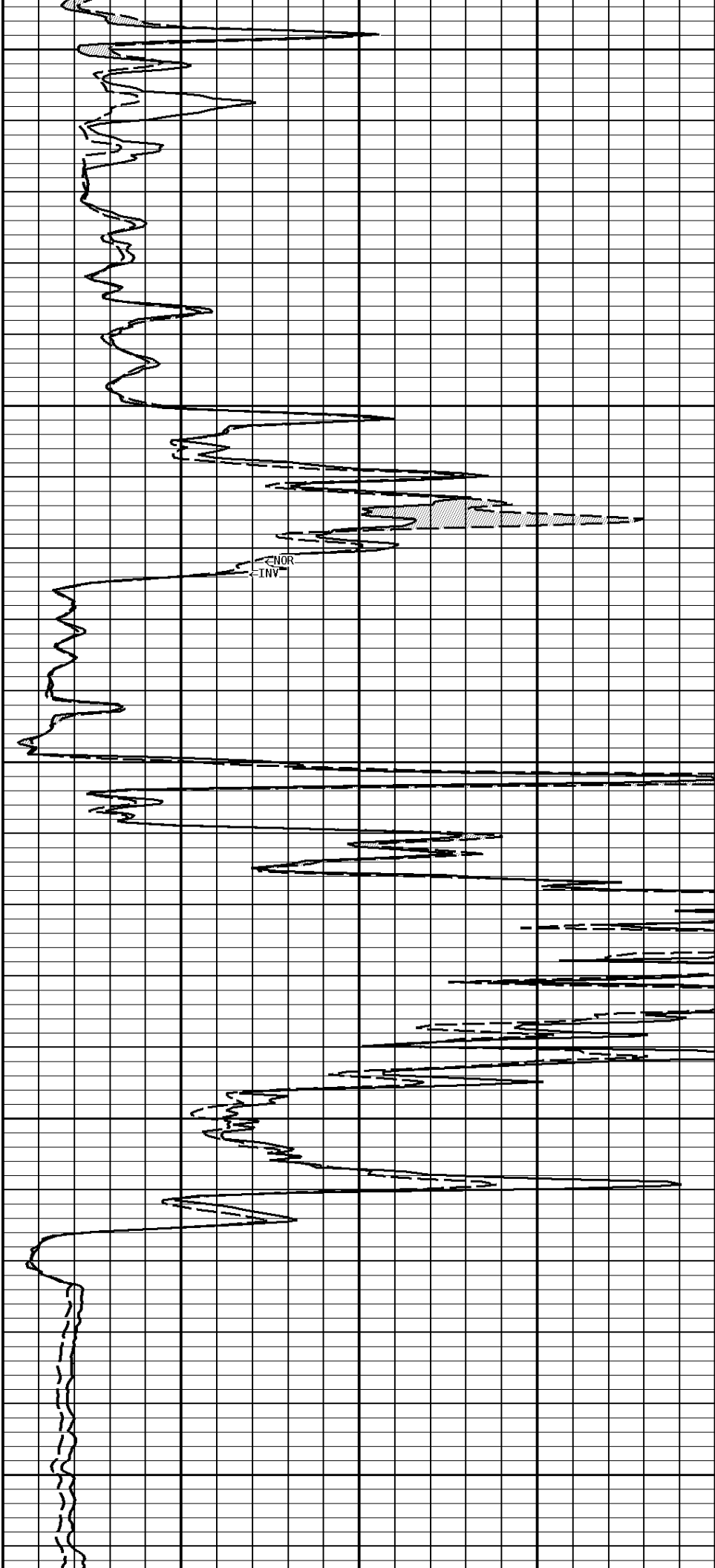
4500

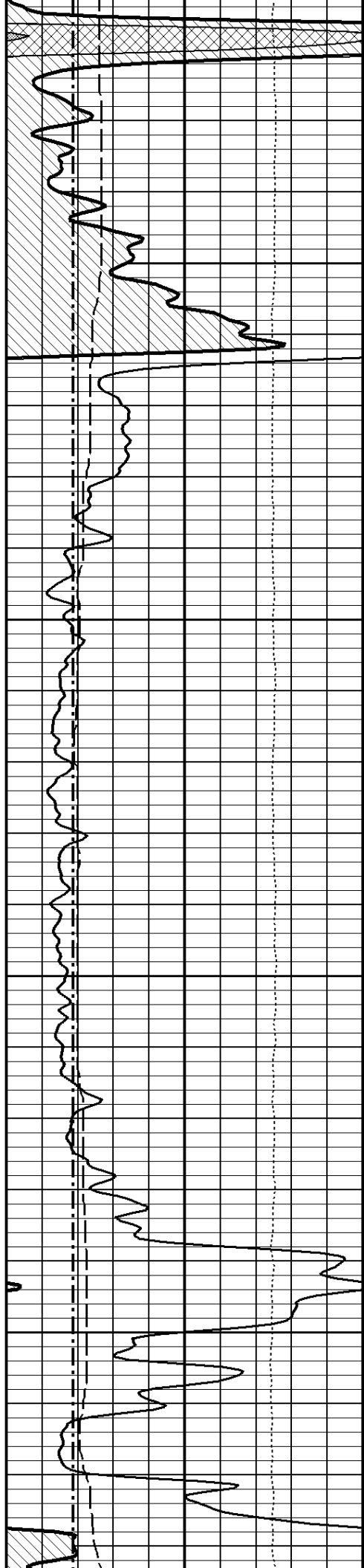




4600

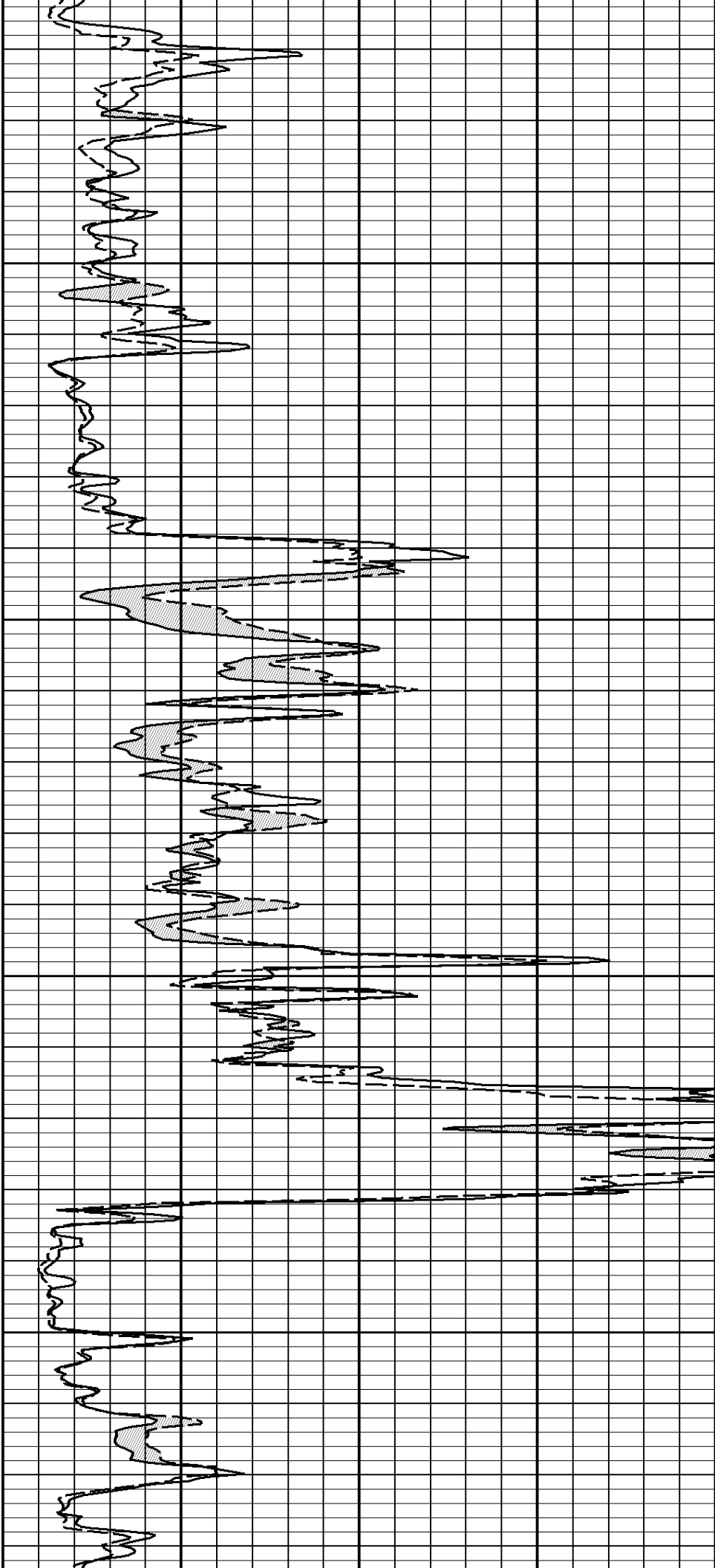
4700

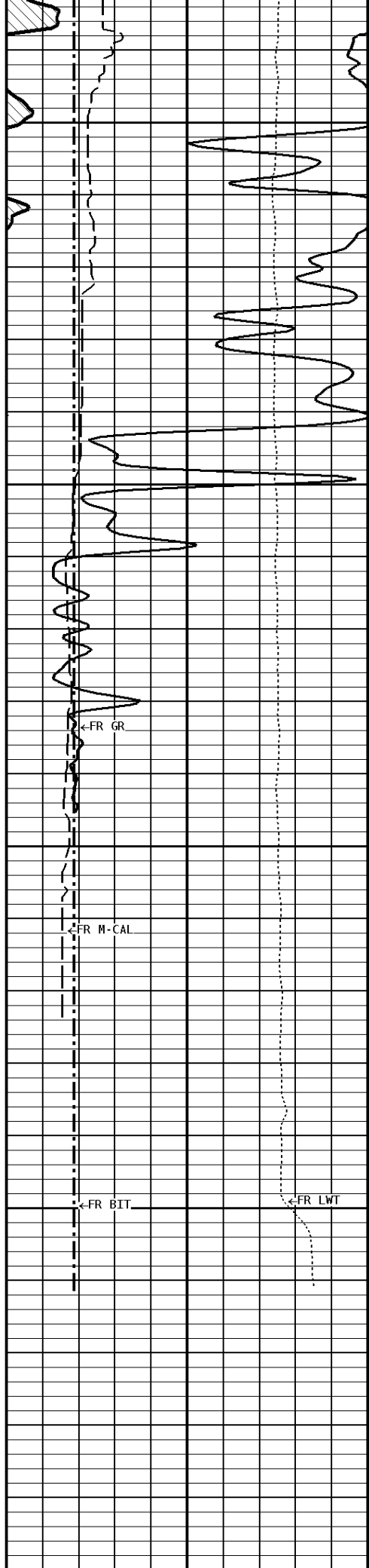




4800

4900



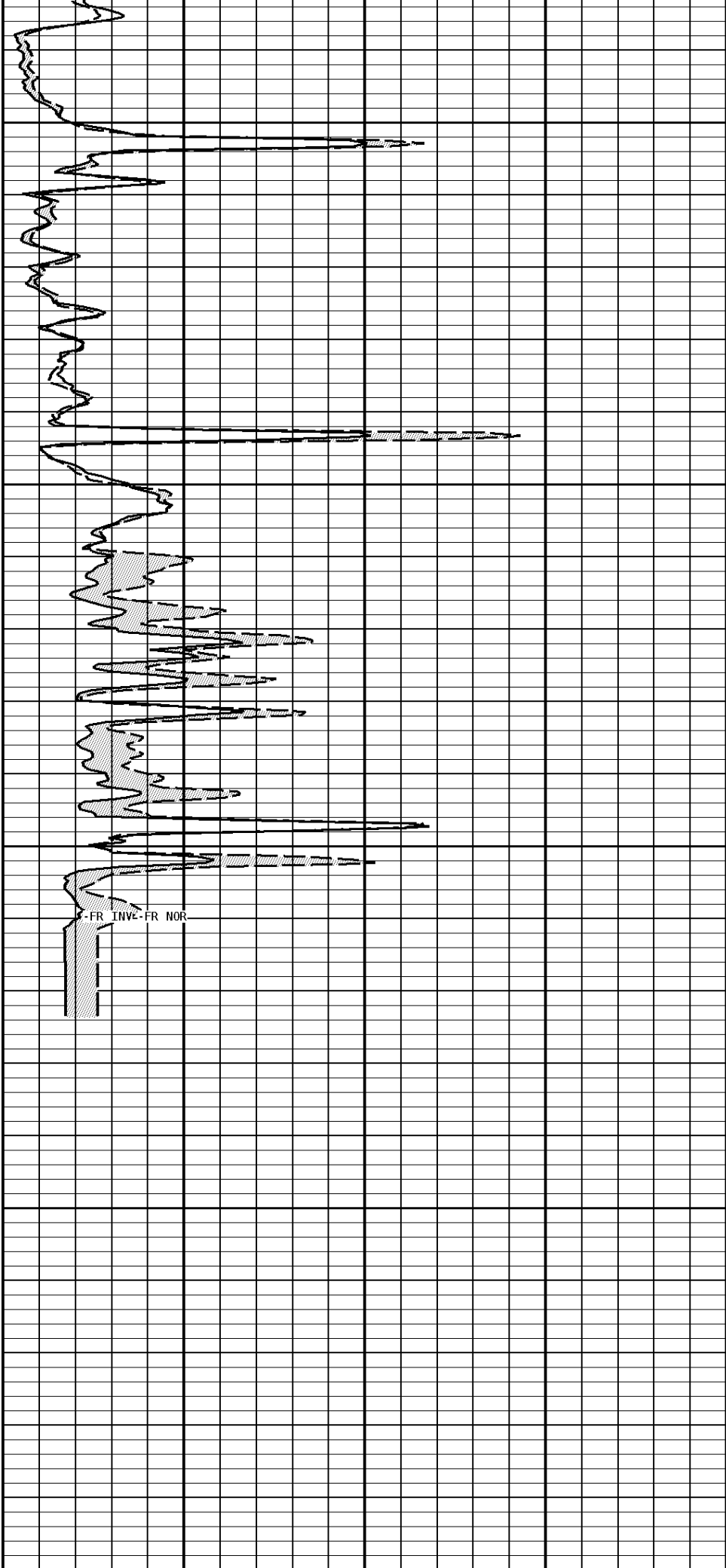


5000

5100

5150

File #1.1.5



1-240 MATN SECTION

1:240 MAIN SECTION

CALIPER MICRO INCHES (IN)	
16 6	26 16
GAMMA RAY API UNITS	
150 0	300 150
BIT SIZE INCHES (IN)	
6	16
TENSION LBS	
10000	0

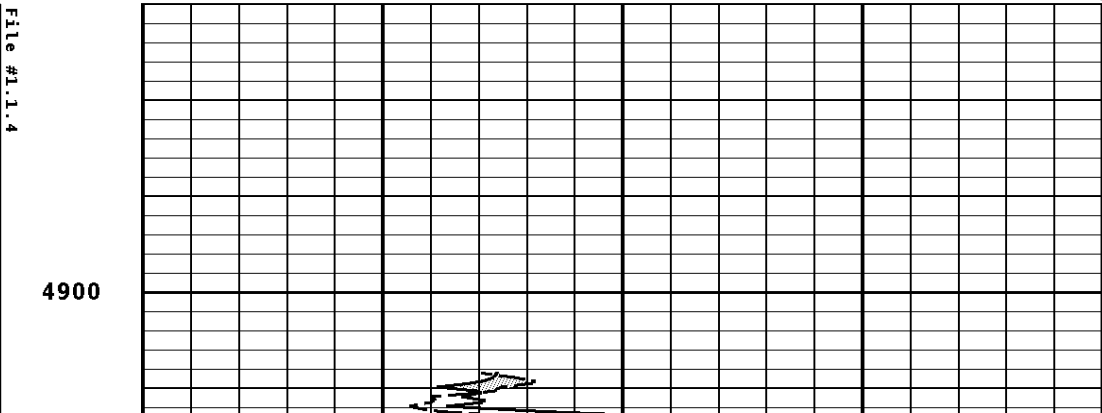
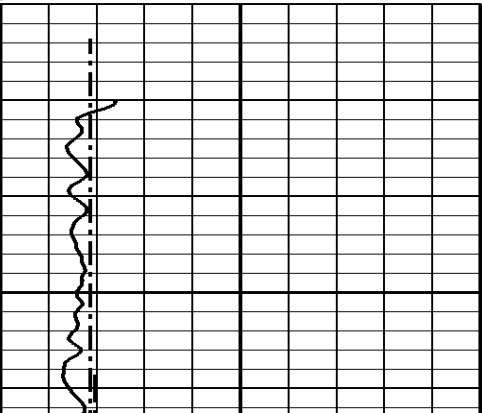
MICRO-NORMAL OHMM	
0	40
MICRO-INVERSE OHMM	
0	40

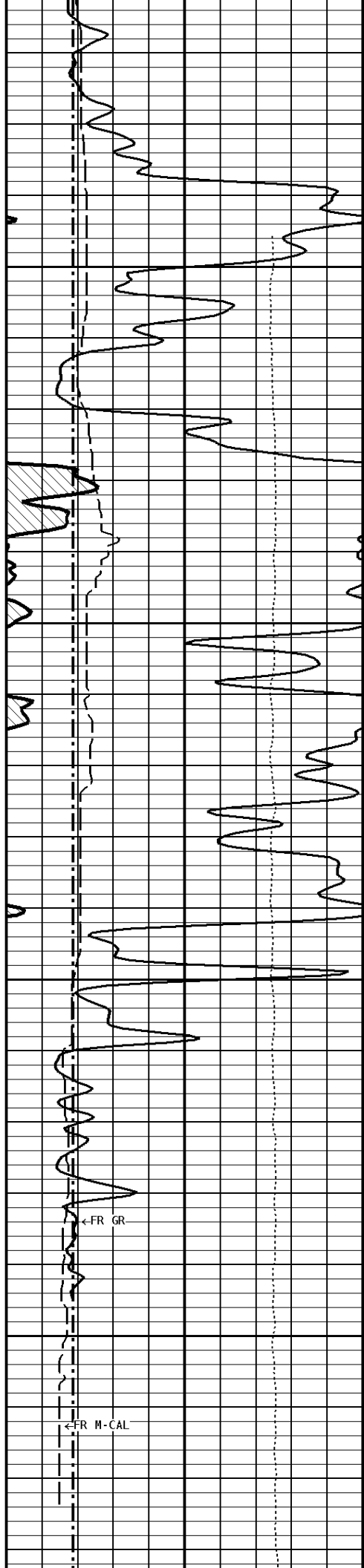
Well File: LBE WOL 15-1 APR 11 SGTQUINT	Scale: 1:240
Segment: V1.D1.S4 REPEAT	Acquired: 2012-04/11 15:14 3.2.0-10367
Reference: 0	Processed: 2012-04/11 19:08 3.2.0-10367

TENSION LBS	
10000	0
BIT SIZE INCHES (IN)	
6	16
GAMMA RAY API UNITS	
150 0	300 150
CALIPER MICRO INCHES (IN)	
16 6	26 16

MICRO-INVERSE OHMM	
0	40
MICRO-NORMAL OHMM	
0	40

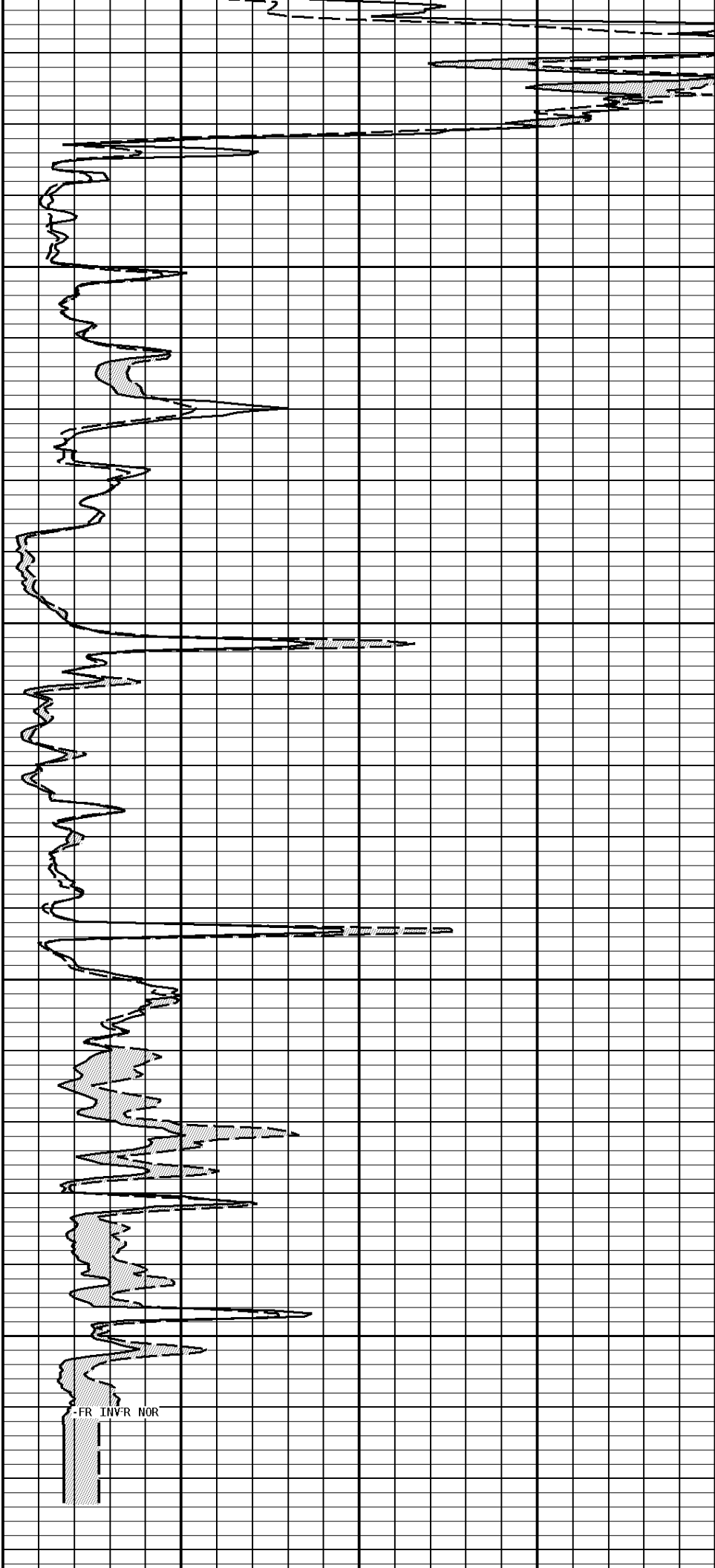
1:240 REPEAT SECTION

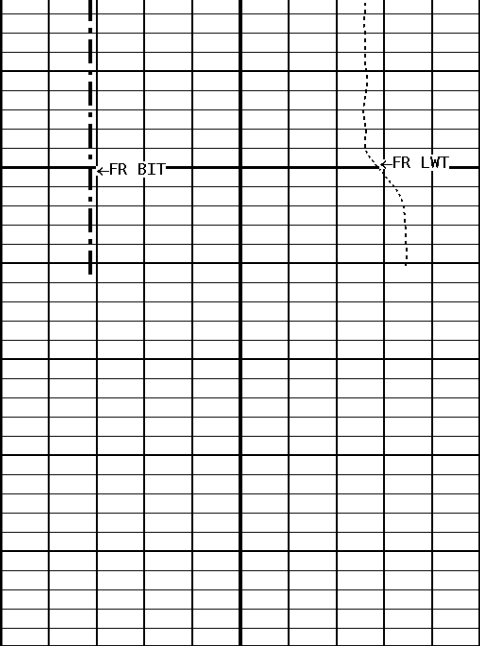




5000

5100





5150

File #1.1.4

1:240 REPEAT SECTION

CALIPER MICRO INCHES (IN)	
16	26
6	16
GAMMA RAY API UNITS	
150	300
0	150
BIT SIZE INCHES (IN)	
6	16
TENSION LBS	
10000	0

MICRO-NORMAL OHMM	
0	40
MICRO-INVERSE OHMM	
0	40

* Calibration Summary *

Shop Calibration							
MST-DA							
Performed : 02-NOV-2011			Time : 12:14				
Sensor Suite : CALI-MSN			ID : MLT-DA-21				
		Jig - Measured		Jig - Calibrated		Units	
	Ring#1	Ring#2		Ring#1	Ring#2		
CL # 1	6.5	11.1		6.0	12.0	IN.	
Performed : 27-SEP-2011			Time : 23:19				
Sensor Suite : MSTDA-NI			ID : MLT-DA-21				
Internal							
	Zero	Measured		Zero	Calibrated		
		Reference	Units		Reference	Units	
INV-V	0.0	29798.9		0.00	1546.00	MV	
NOR-V	5.3	30095.1		0.00	1546.00	MV	
IN-C	0.0	60566.2		0.00	15.46	UA	
					32.34	OHMM	
INV-R						55.11	OHMM
NOR-R							

Performed : 27-SEP-2011 Time : 23:19
Sensor Suite : MSTDAMSF ID : MLT-DA-21

		Internal				
		Measured		Units	Calibrated	
		Zero	Reference		Zero	Reference
MSFC		15.0	42144.9		0.00	1522.00
MSFB	29116.0		30973.0		0.00	1522.00
MOM1	0.0		43106.2		0.00	1522.00
MSFRA						43.30
						OHMM