

Tucker

BOREHOLE VOLUME

WIRELINE SERVICES

CALIPER LOG

Company AMERICAN ENERGIES CORP Well #1-11 MASTRE TRUST Field RITZ-CANTON County MCPHERSON State KANSAS Country USA API No. 15-113-21346		File No : 56803 Company : AMERICAN ENERGIES CORPORATION Well : #1-11 MASTRE TRUST Field : RITZ-CANTON County : MCPHERSON State : KANSAS Country : USA API No : 15-113-21346	
Location : 1980' FSL & 1815' FEL W2 E2 NW SE		LSD : Sect : 11 Twp : 19S Rge : 2W	
Permanent Datum:	GL	Elevations:	Services:
Drilling Measured From:	KB	KB 1568.00	GRT
Log Measured From:	KB	DF 1567.00	CNT
Above Permanent Datum:	9.00 Ft	GL 1559.00	LDT
Date	2011-05-15		
Run Number	1		
Depth--Driller	3500.0	Ft	
Depth--Logger	3500.0	Ft	
First Reading	3467.0	Ft	
Last Reading	1900.0	Ft	
Casing--Driller	202.0	Ft	
Casing--Logger	202.0	Ft	
Bit Size	7.875	In	
Casing Size	8.625	In	
Hole Fluid Type	CHEM		
Density	9.4	LBS/GAL	
Fluid Loss	9.2	CC	
PH/Viscosity	9.0	50.0 SEC	
Sample Source	FLOWLINE		
RMF@Measured Temp.	3.000 @ 60 F		
RMF@Measured Temp	3.450 @ 60 F		
RMC@Measured Temp.	2.550 @ 60 F		
Source RMF/RMC	CALCULATED/CALCULATED		
RM@BHT	1.530 @ 122 F		
Time Circulation Stopped			
Max Recorded Temp.	122 F		
Equipment/Base	TRK 127 TULSA		
Recorded By	T. MONTGOMERY		
Witnessed By	D. BARKER		

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	3500.00	8.625	32.00	202.00

Run Number	1	
Date	2011-05-15	
Date/Time On Bottom		
Depth to Fluid	0.0 Ft	
Salinity	0.000 PPM	
RMF@BHT	1.750 @ 122 F	
RMC@BHT	1.300 @ 122 F	

Comments

ALL PRESENTATIONS AS PER CUSTOMER REQUEST
 GRT, 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 5.500" PRODUCTION CASING.

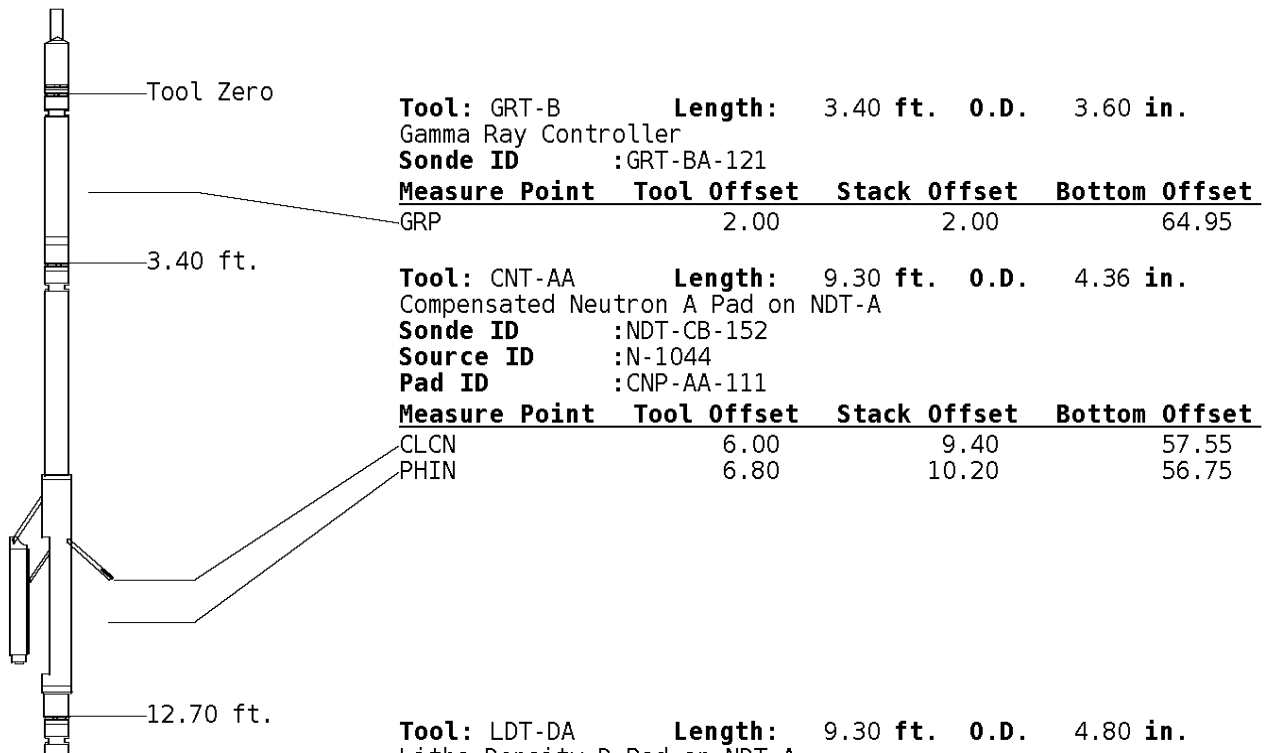
GRT: GRP.
 CNT: PHIN, CLCNIN
 LDT: PORL, LCORN, PECLN, LDENN, PORLLS, CLLDIN.
 MLT: NOR_R, INV_R, MSCLPIN.
 CST: PORS, DDCDTF, TT1PF, TT3PF, ITT.
 PIT: ILD, ILM, SPU, SFLAEC

OPERATORS:

J.THOMAS

Tool String Schematic

Total Tool Length - 66.95 ft.
Maximum Outside diameter - 6.00 in.
Net Weight in Air - 1171.00 lbs.



Litho Density D Pad on NDT-A
Sonde ID :PDT-GA-465
Source ID :CSV-587
Pad ID :LDP-DA-065

Measure Point	Tool Offset	Stack Offset	Bottom Offset
CLLD	6.00	18.70	48.25
PEL	7.00	19.70	47.25
PES	7.40	20.10	46.85
LDEN	7.20	19.90	47.05
LCOR	7.20	19.90	47.05

22.00 ft.

Tool: MST-DA **Length:** 9.66 ft. **O.D.** 6.00 in.
Micro Spherically Focused (IC)
Sonde ID :MST-NG-26

Measure Point	Tool Offset	Stack Offset	Bottom Offset
MSFL	7.60	29.60	37.35
MSCLP	7.60	29.60	37.35
INV	7.60	29.60	37.35
NOR	7.60	29.60	37.35

31.66 ft.

Tool: CST-AD **Length:** 13.80 ft. **O.D.** 3.60 in.
Open Hole Sonic
Sonde ID :CST-AD-38

Measure Point	Tool Offset	Stack Offset	Bottom Offset
TT1	4.80	36.46	30.49
TT3	5.80	37.46	29.49
CDT	7.30	38.96	27.99
TT4	8.80	40.46	26.49
TT2	9.80	41.46	25.49

45.46 ft.

Tool: PIT-CA **Length:** 21.49 ft. **O.D.** 3.62 in.
Phased Dual Induction w/ RM & D
Sonde ID :PIT-CA-075

Measure Point	Tool Offset	Stack Offset	Bottom Offset
ILD	8.92	54.38	12.56
ILM	10.10	55.56	11.39
SFLU	17.49	62.95	4.00
SP	20.60	66.06	0.88

LWT — 66.95 ft.

Well File: AMERICAN MASTRE 1-11 APR 15 QUINT

Scale: 1:240

Segment: V1.D1.S5 Reprocess of segment_003

Acquired: 2011-05/15 13:46 3.2.0-9901

Reference: 0

Processed: 2011-05/15 15:08 3.2.0-9901

**BIT SIZE
INCHES (IN)**

6 16

**Y CALIPER
INCHES (IN)**

16 26
6 16

**X CALIPER
INCHES (IN)**

16 26
6 16

**TENSION
LBS**

10000 0

**GAMMA RAY
API UNITS**

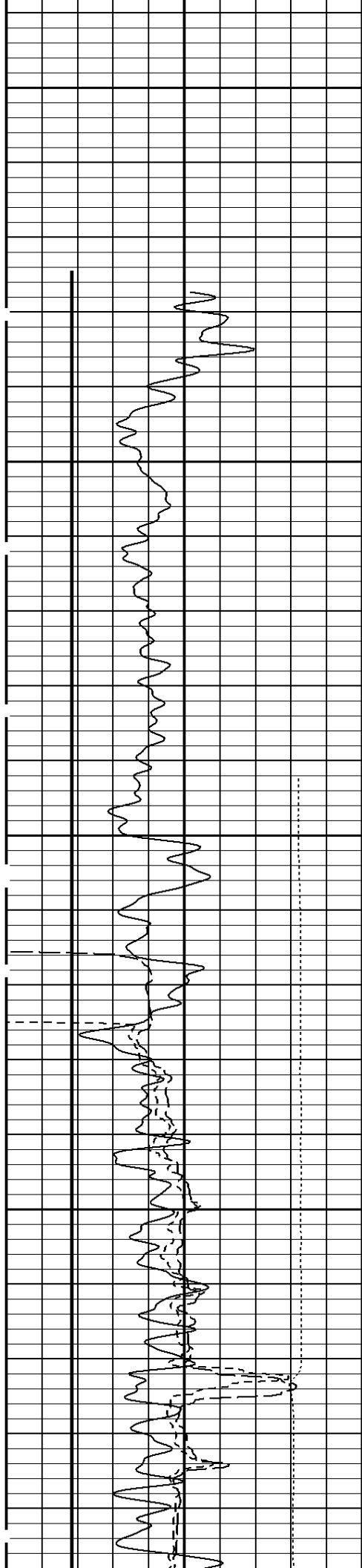
150 300
0 150

**BOREHOLE VOLUME
CU.FT**

**ANNULAR HOLE VOLUME
CU.FT.**

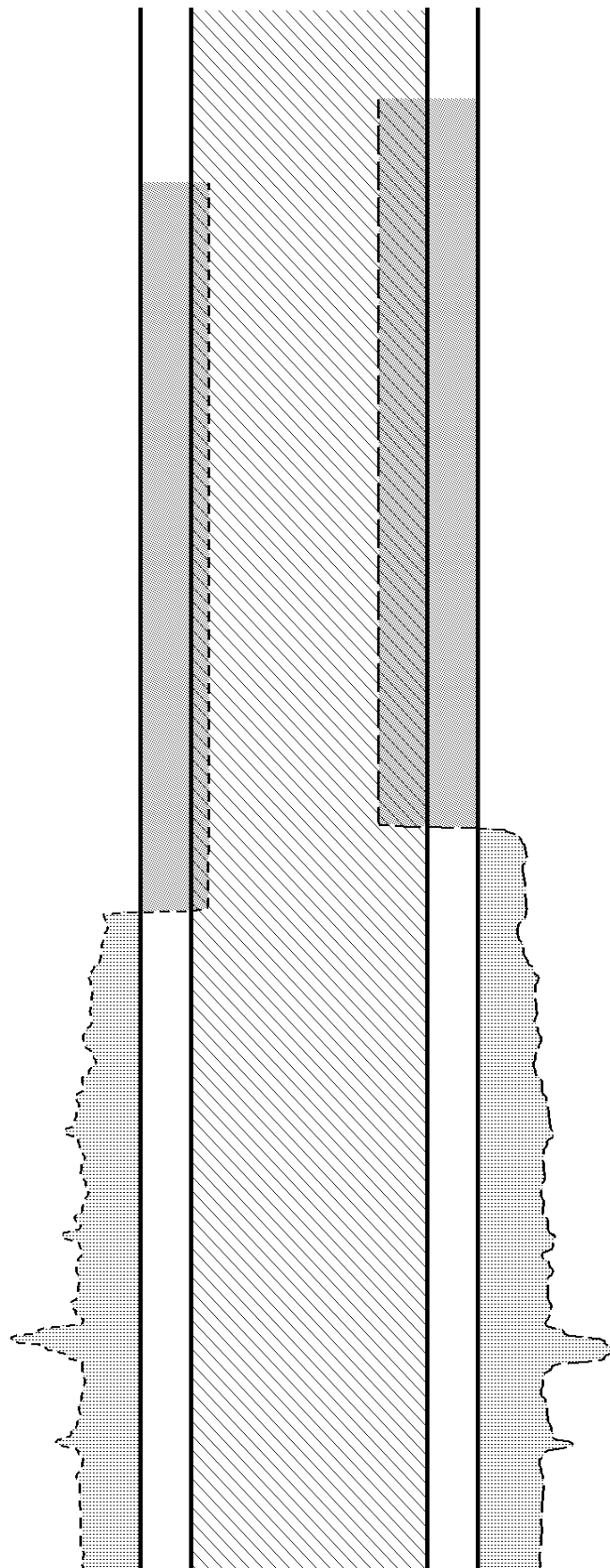
1:240 MAIN SECTION

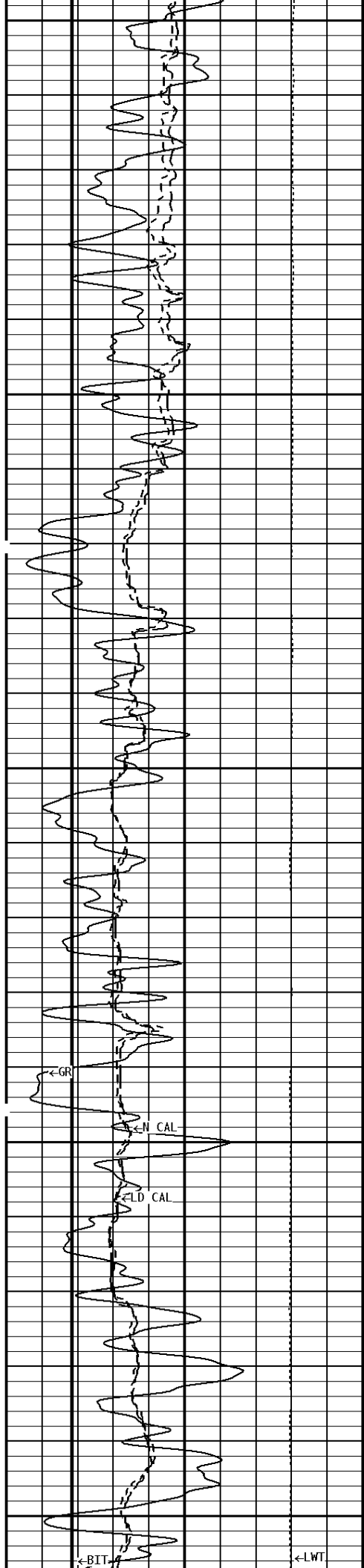
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100

200



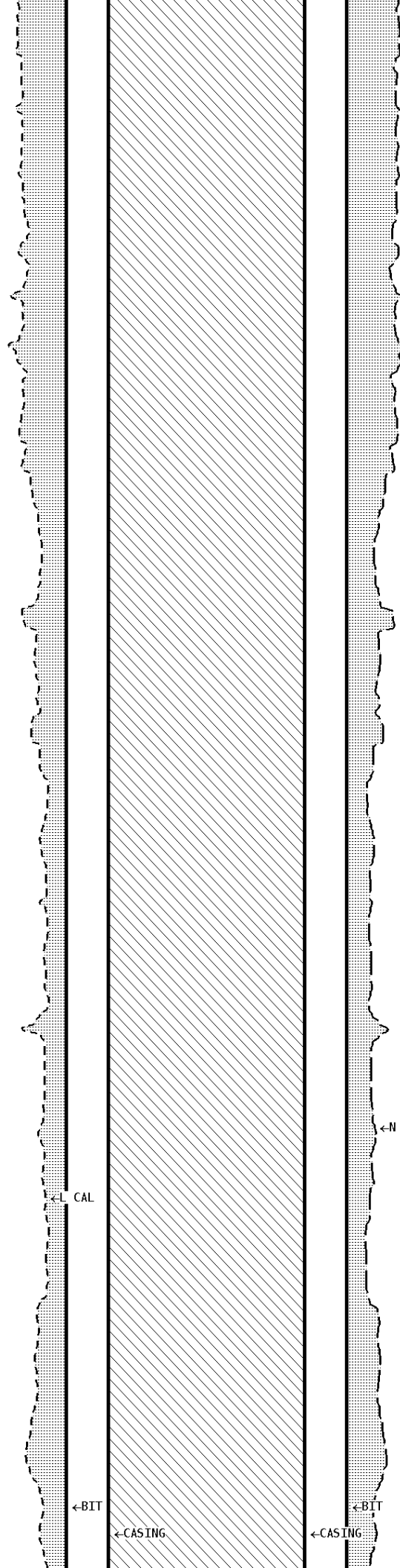


300

400

500

-1200Cu.ft



700Cu.ft-

←BIT

←CASING

←N CAL

←BIT

←CASING

←L CAL

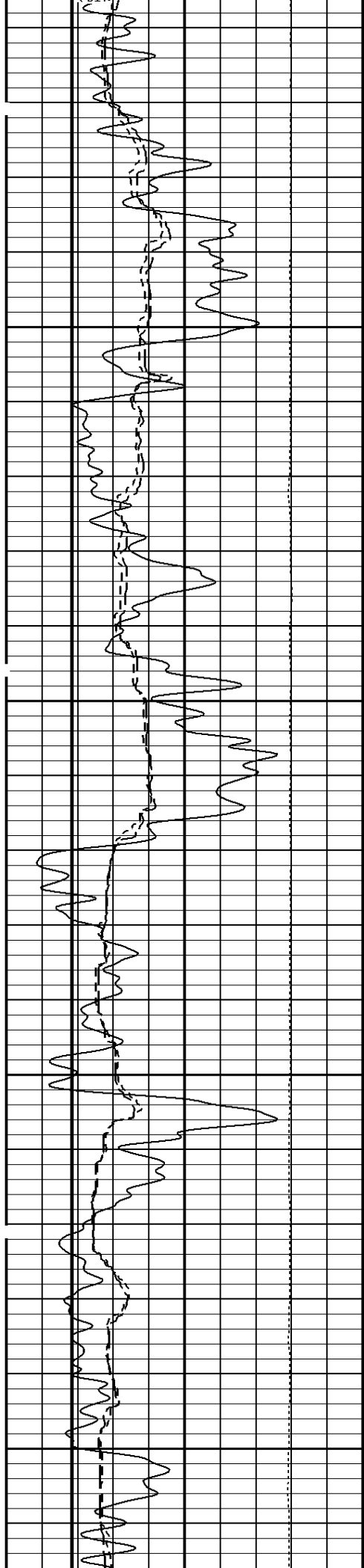
←N CAL

←LD CAL

←GR

←BIT

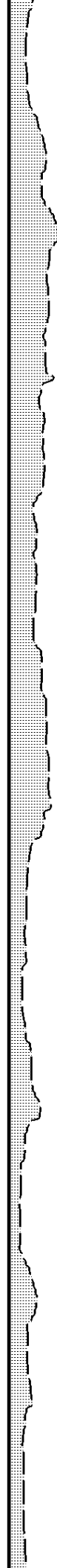
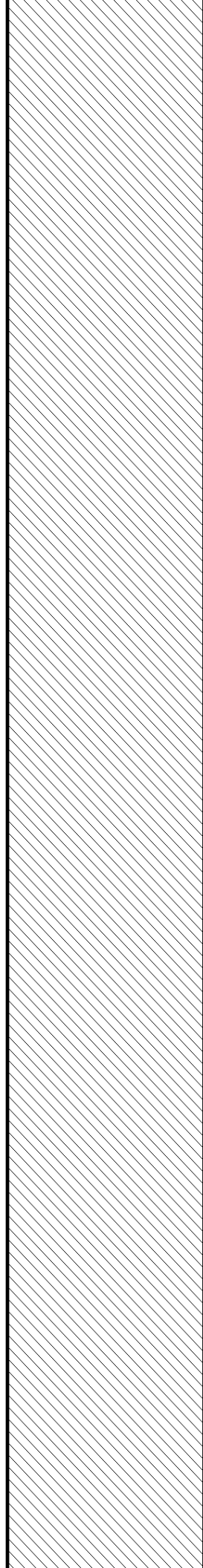
←LWT



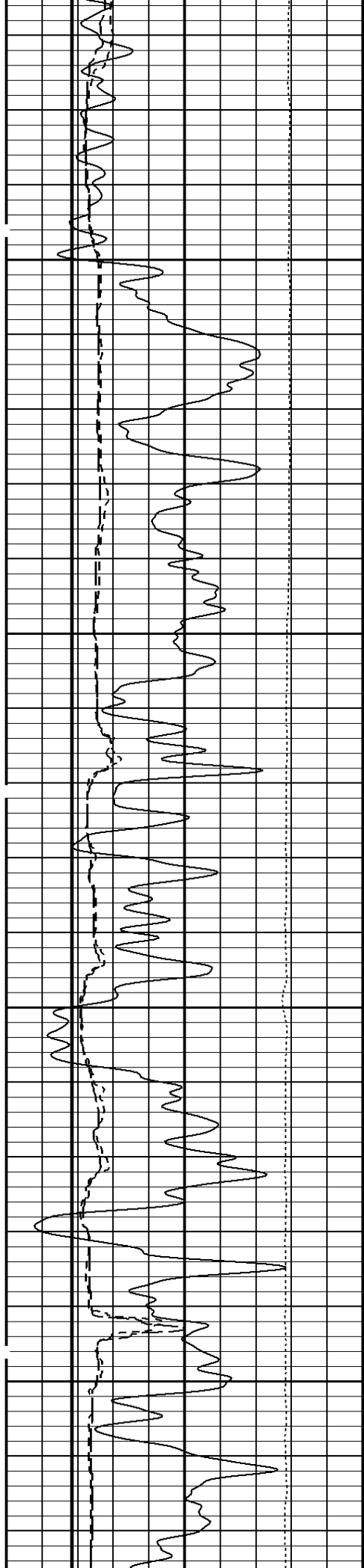
600

700

-1100Cu.ft



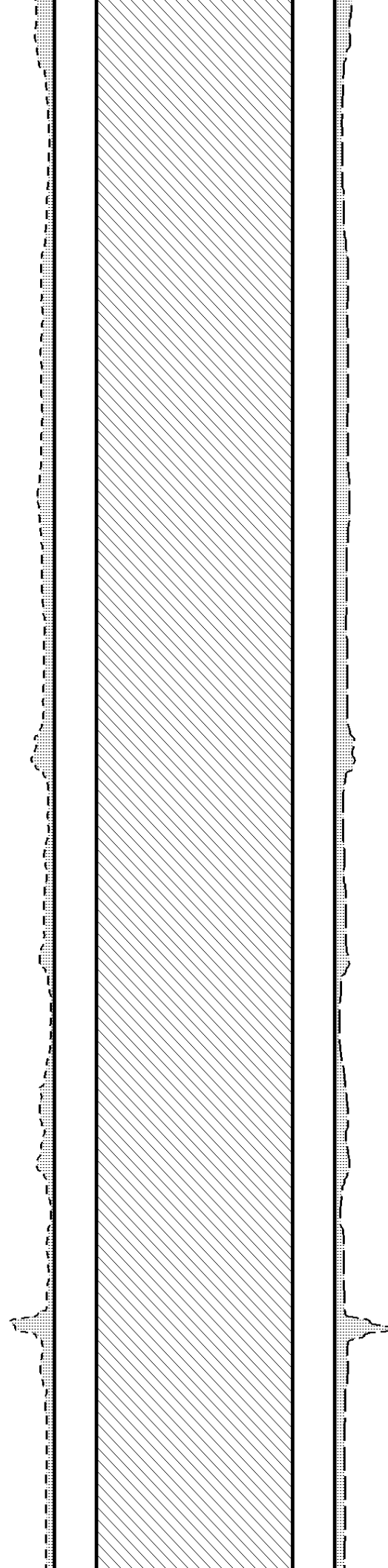
600Cu.ft-

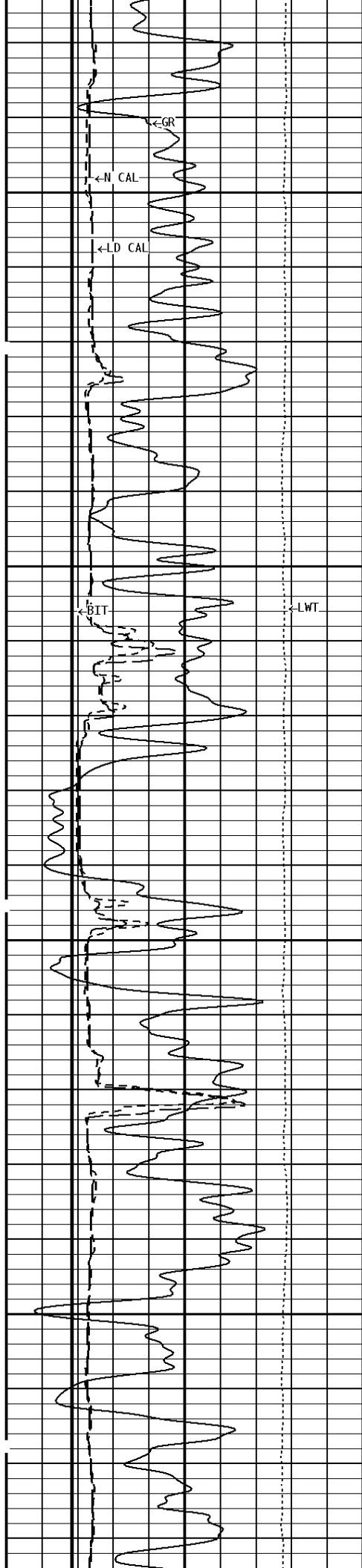


800

-1000Cu.ft

900

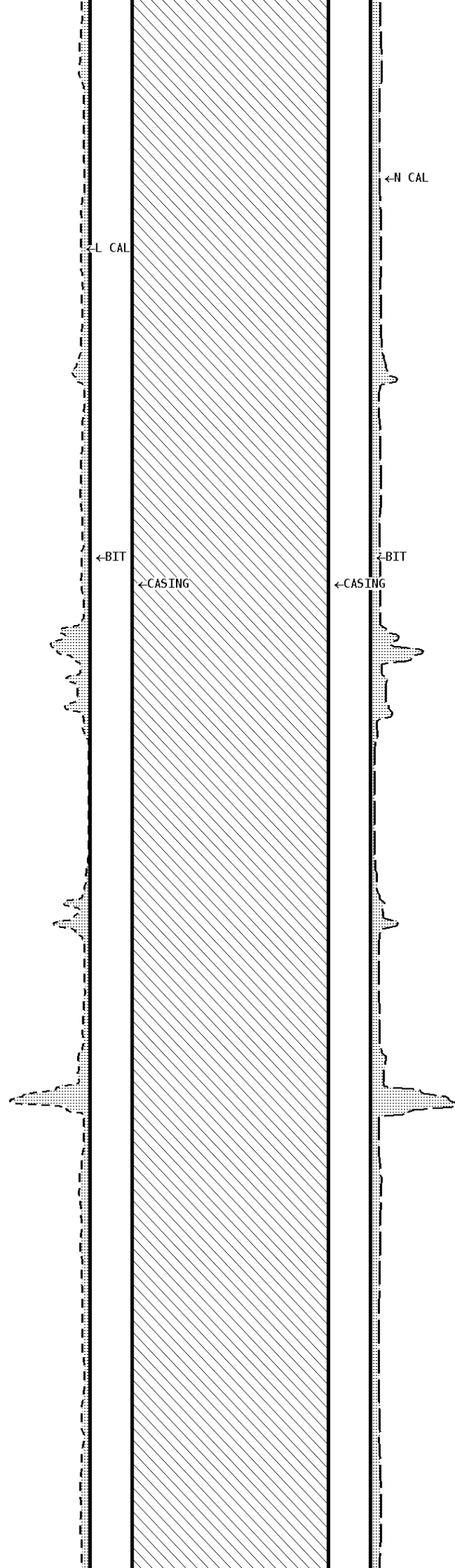




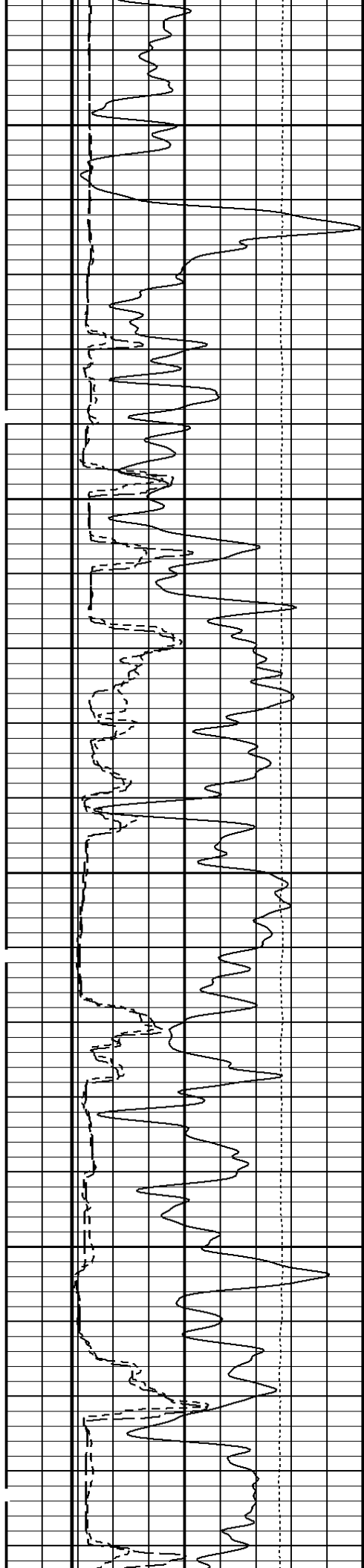
1000

-900Cu.ft

1100



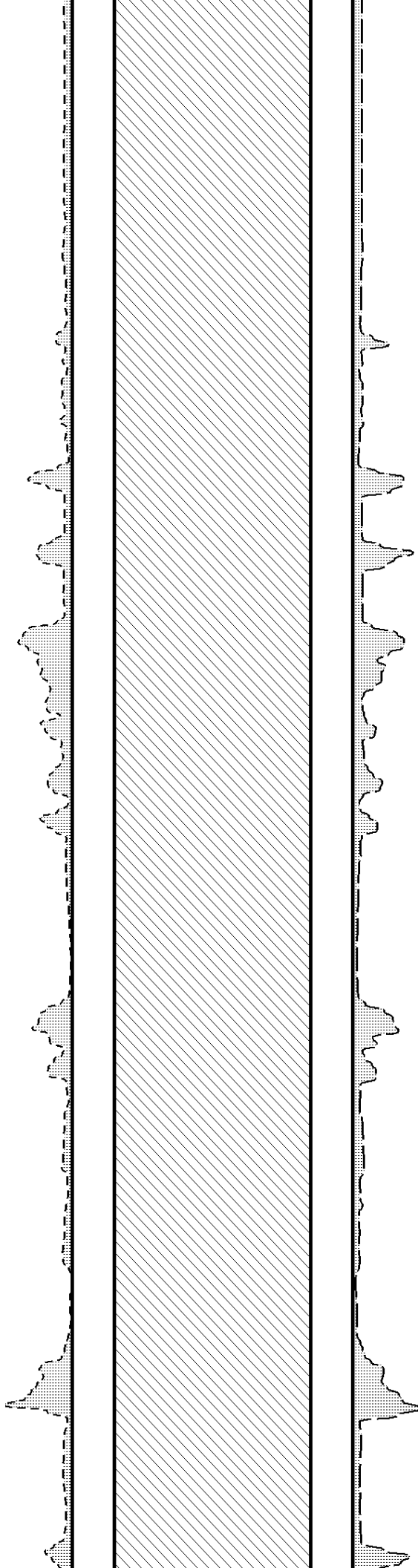
500Cu.ft-

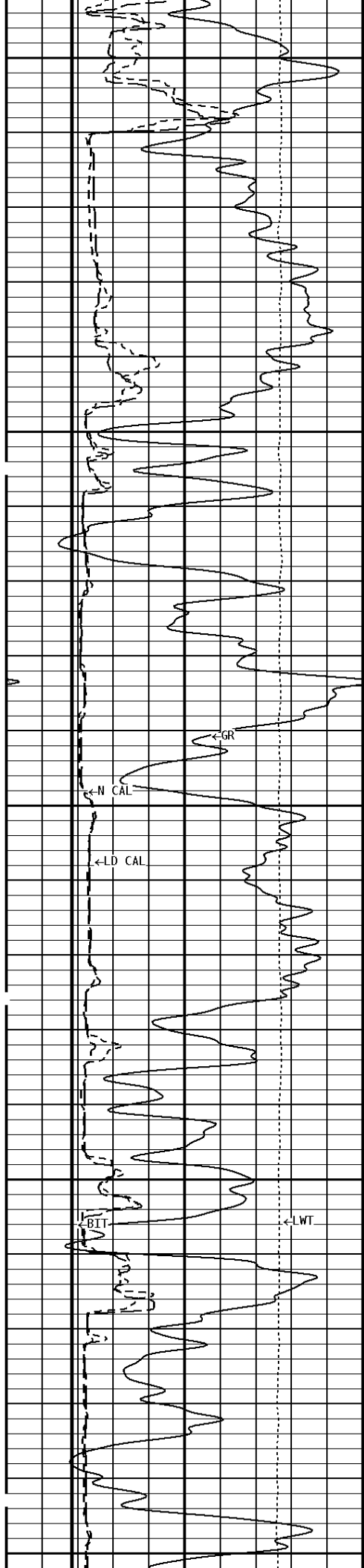


1200

1300

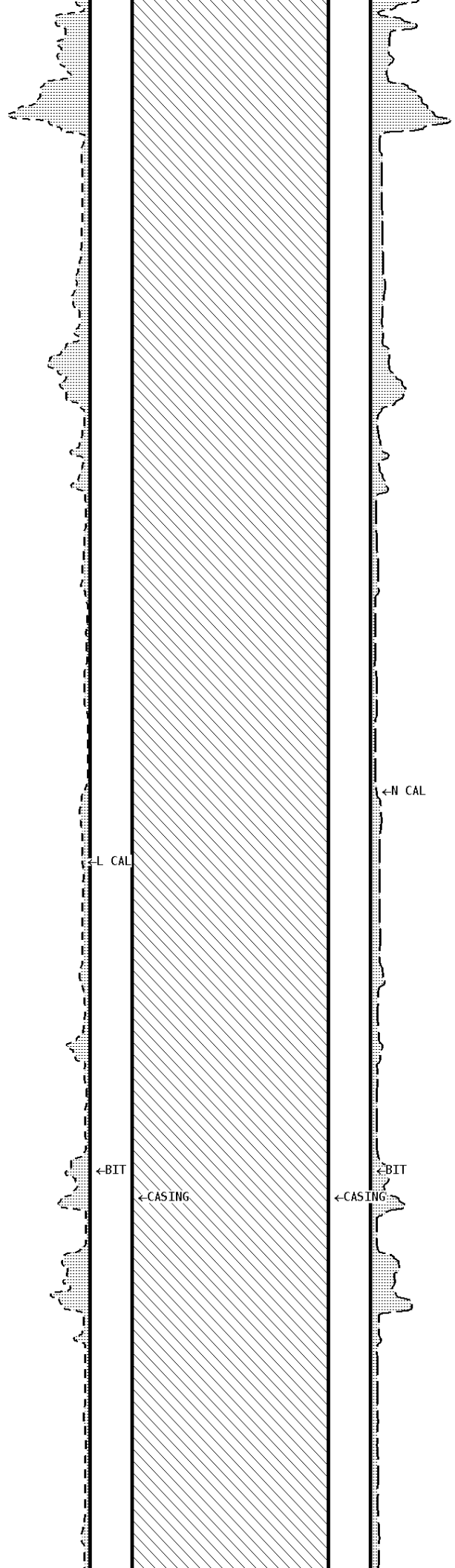
-800Cu.ft



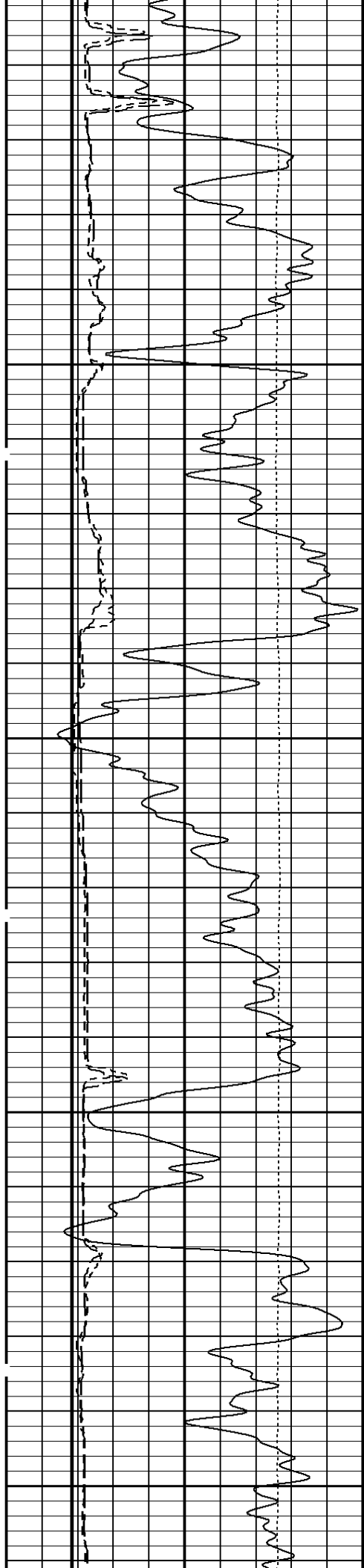


1400

1500



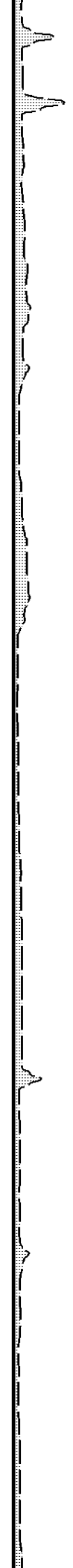
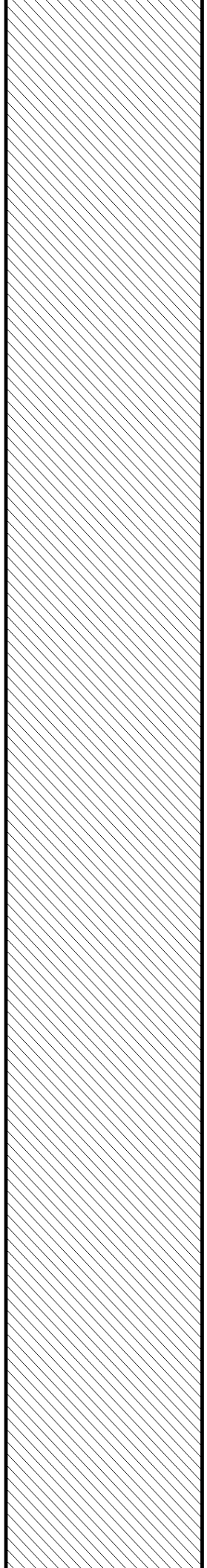
400Cu.ft-

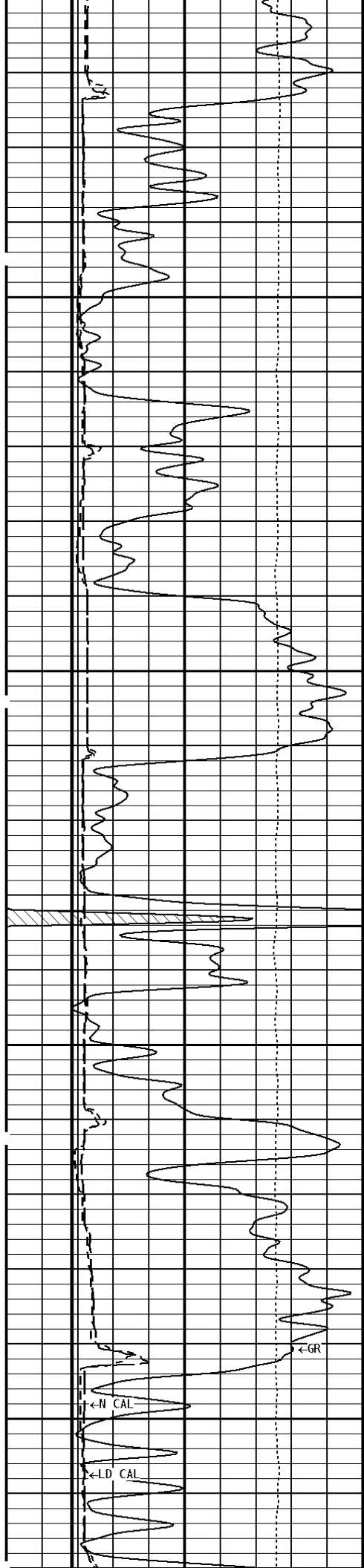


1600

1700

-700Cu.ft

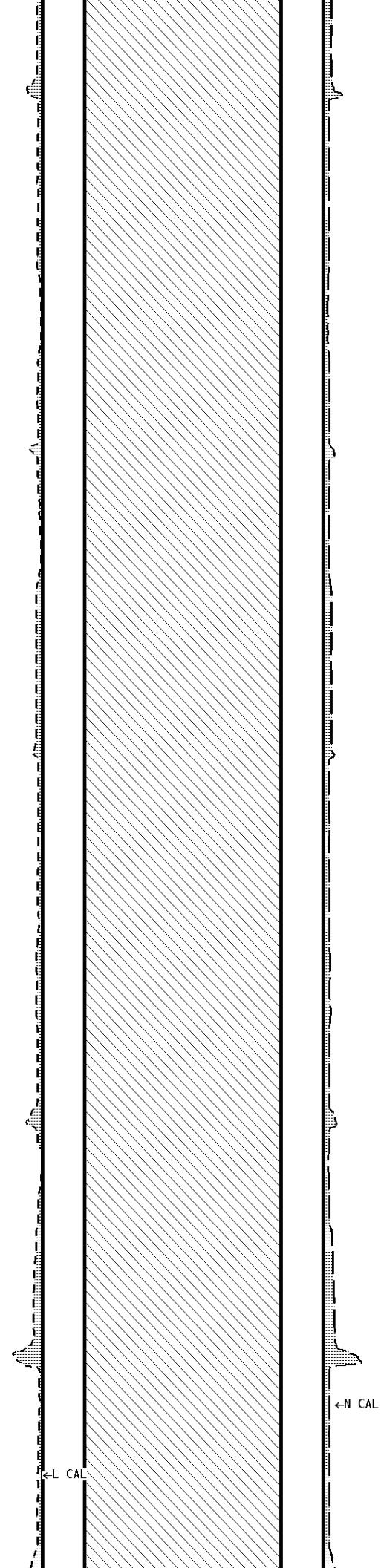


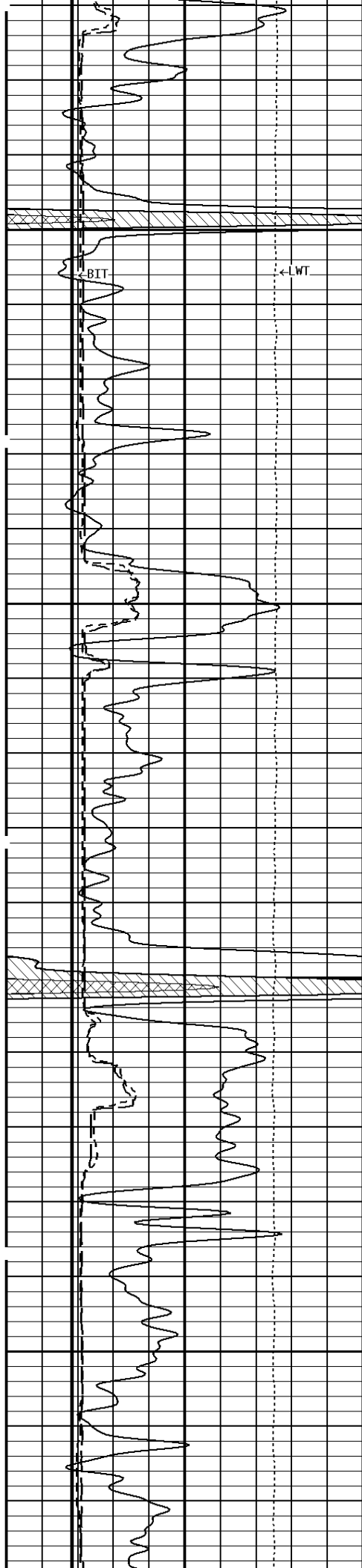


1800

-600Cu.ft

1900

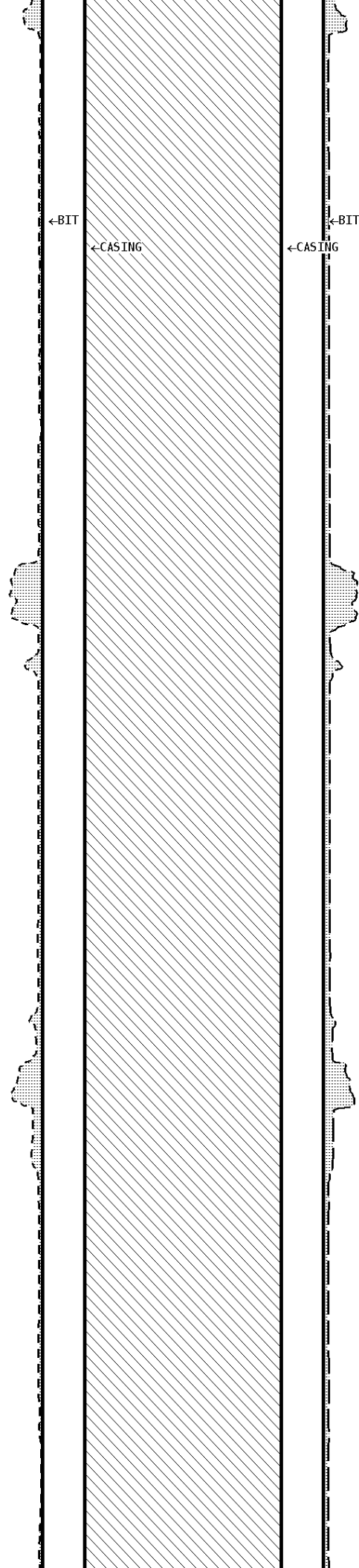




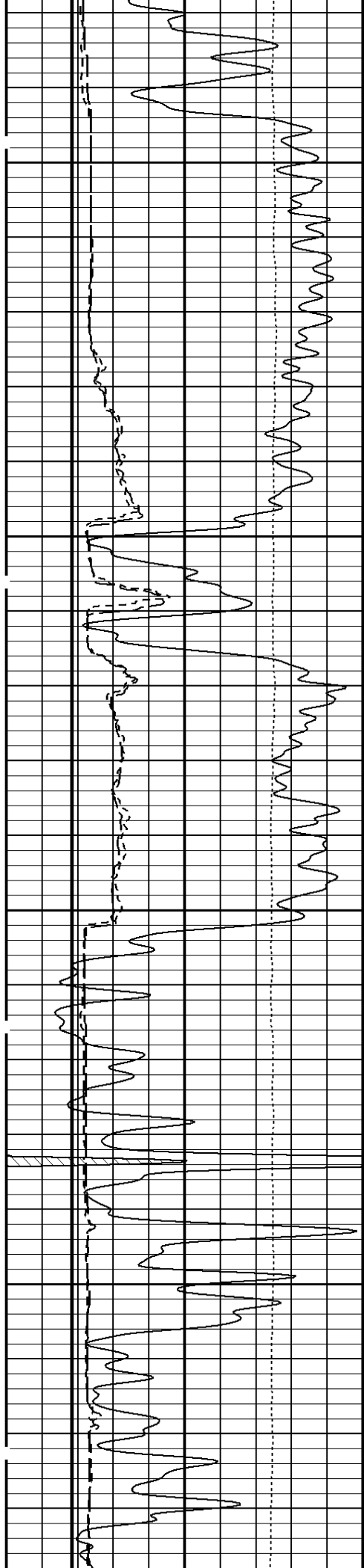
2000

2100

-500Cu.ft



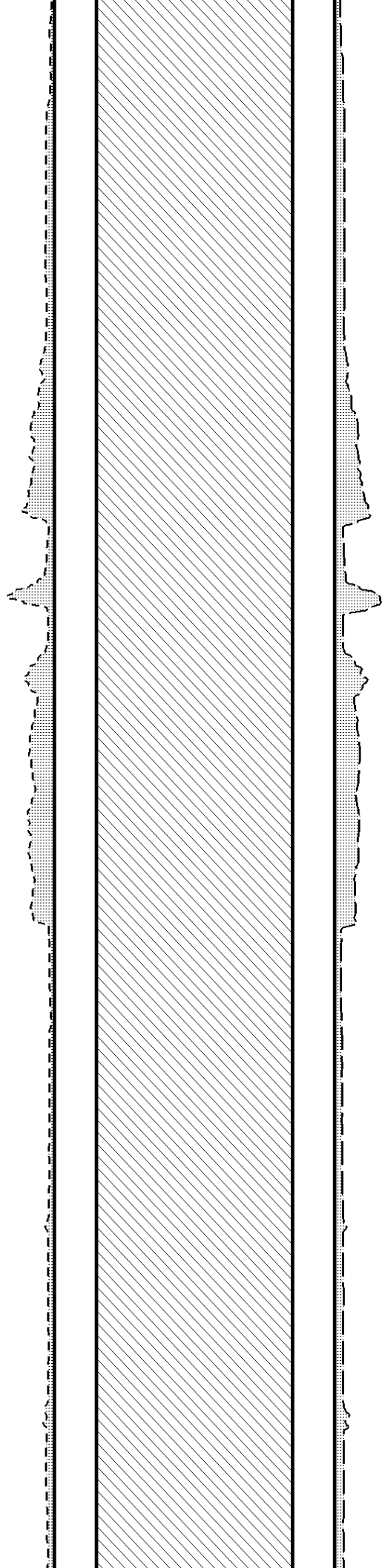
300Cu.ft-

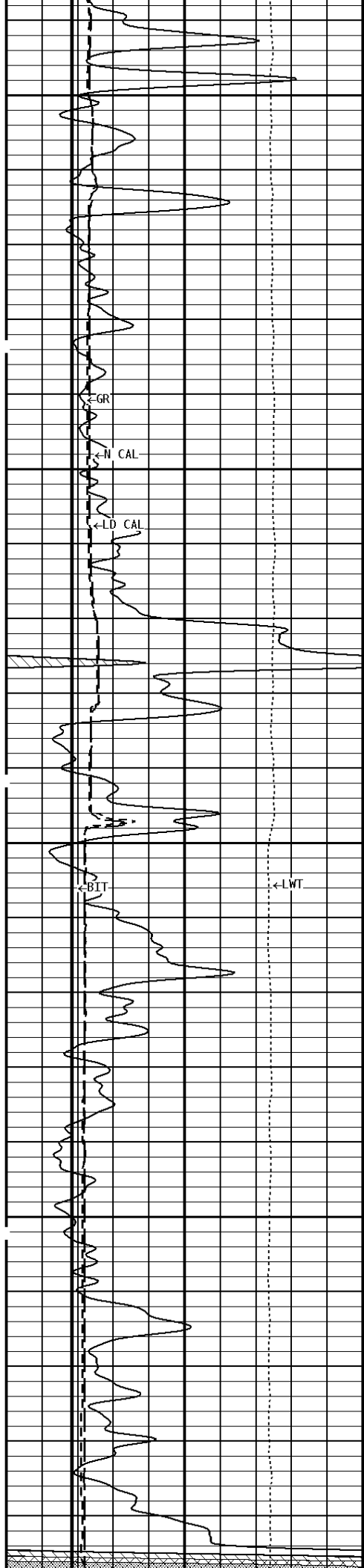


2200

2300

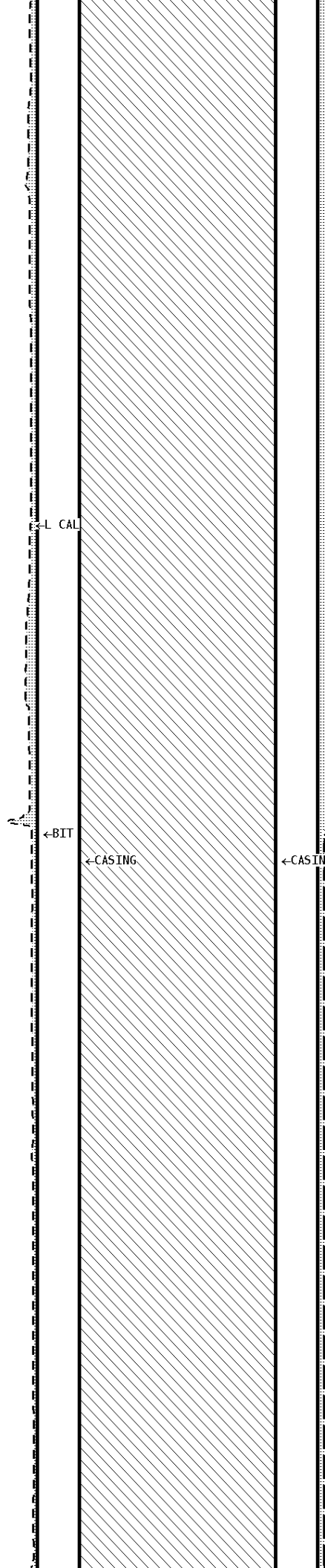
-400Cu.ft





2400

2500



←N CAL

200Cu.ft-

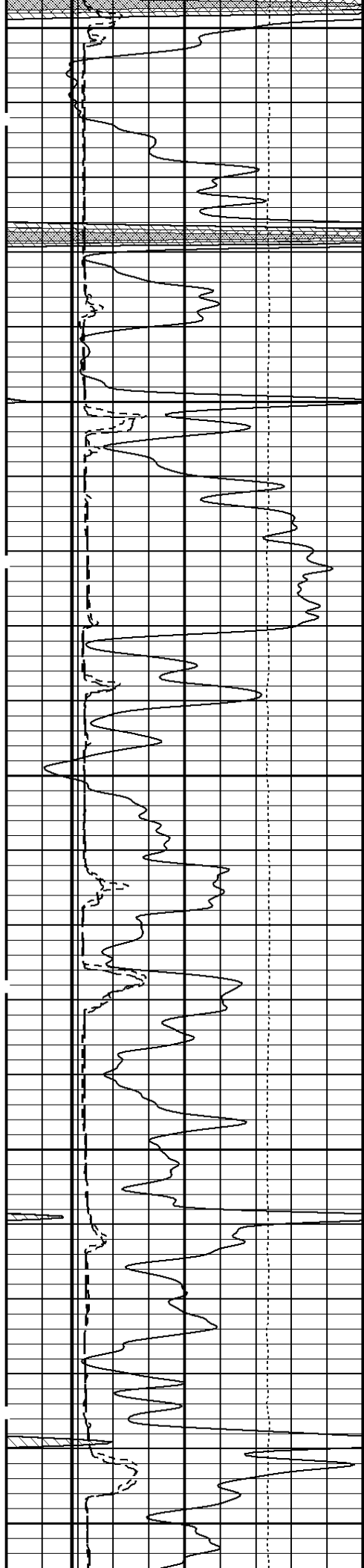
←BIT

←CASING

←BIT

←CASING

←L CAL

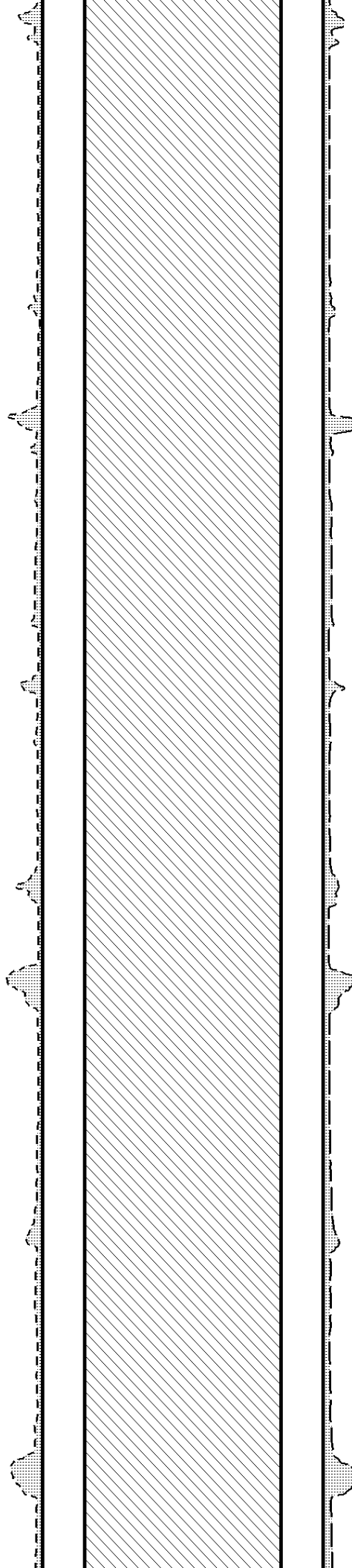


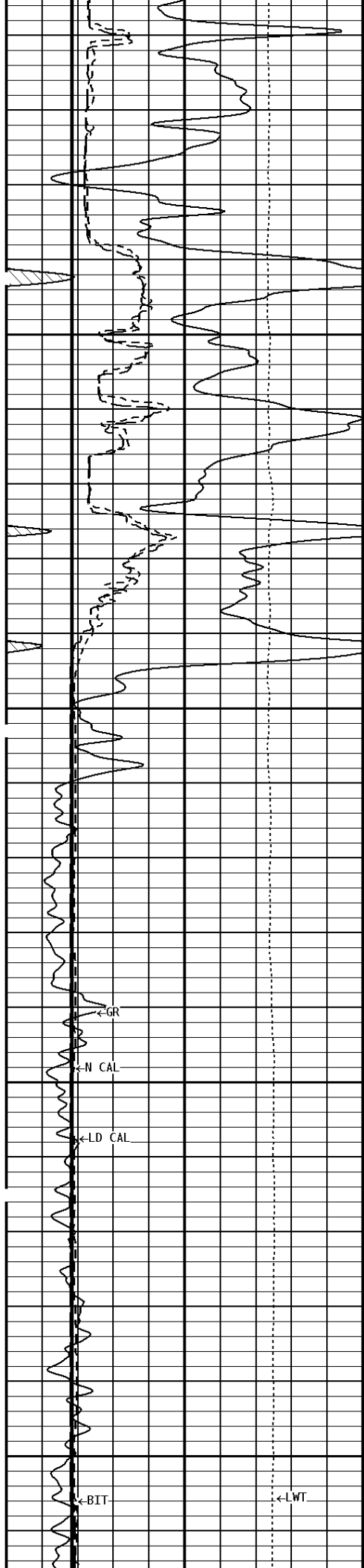
2600

-300Cu.ft

2700

2800





2900

3000

-200Cu.ft



←L CAL

←BIT

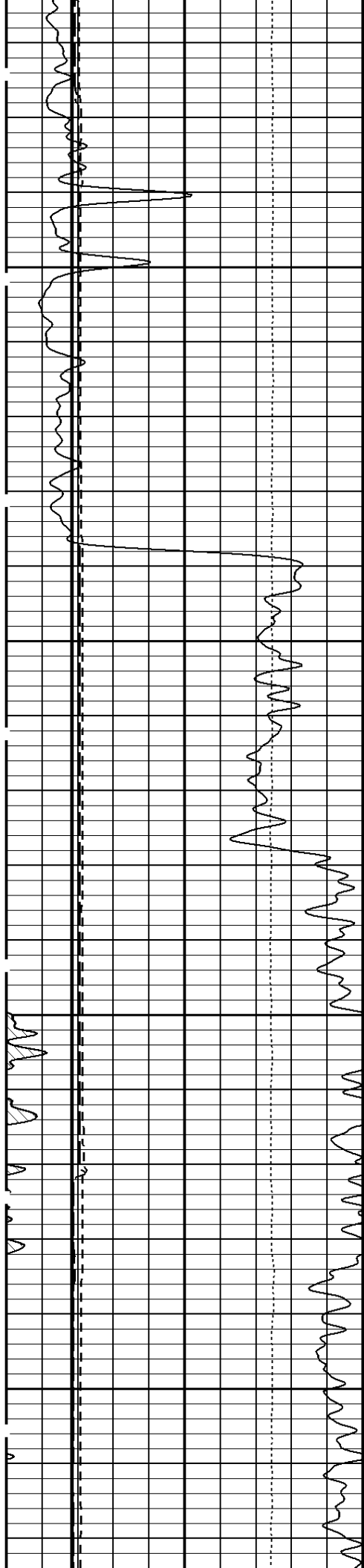
←CASING

←N CAL

←BIT

←CASING

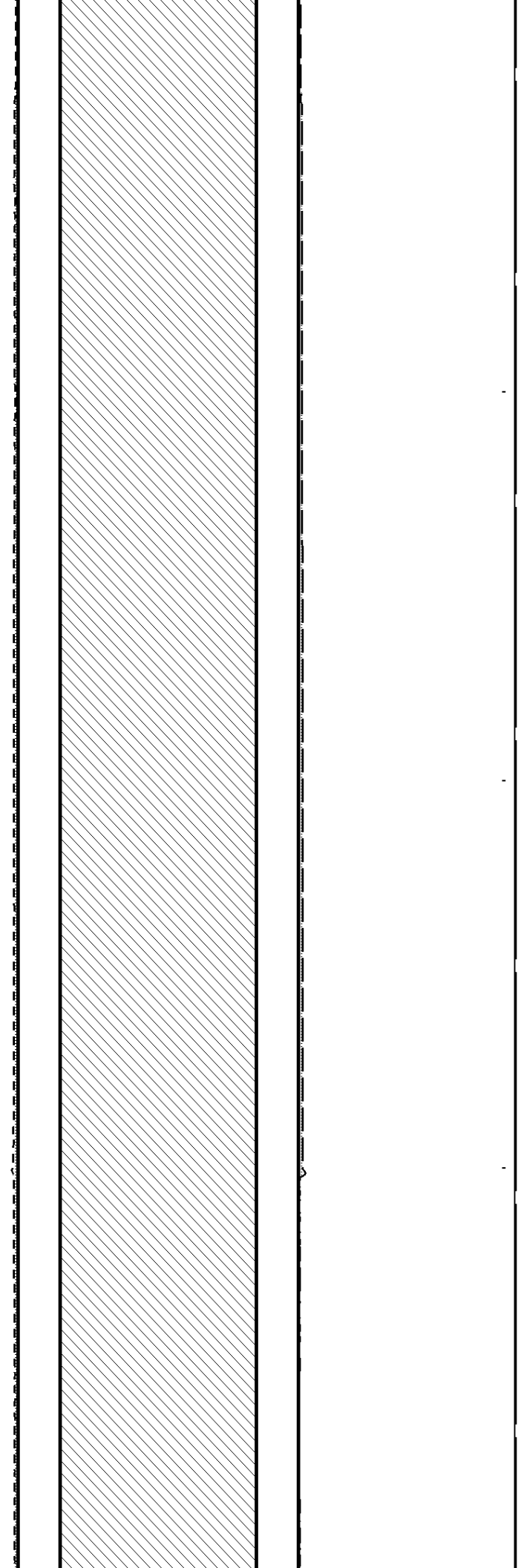
100Cu.ft-

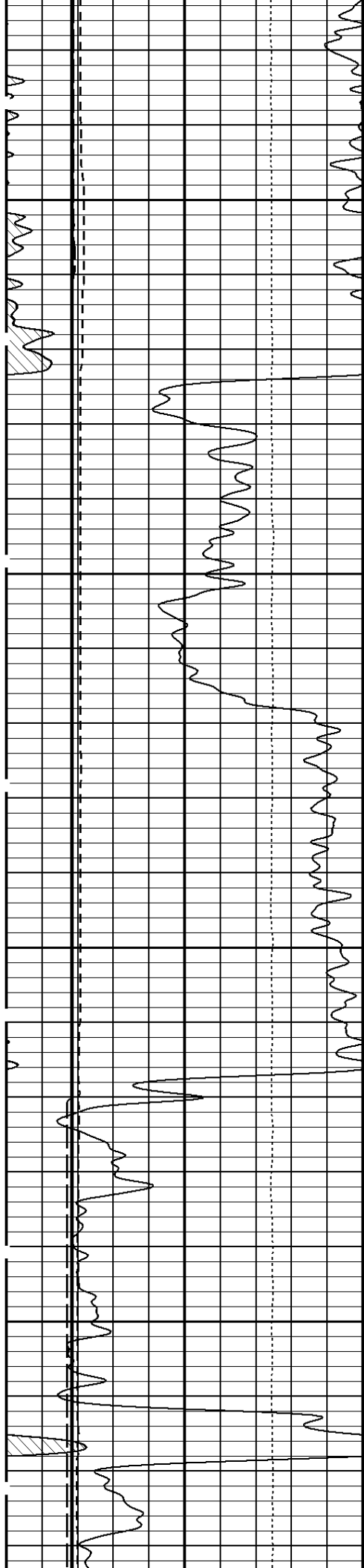


3100

-100Cu.ft

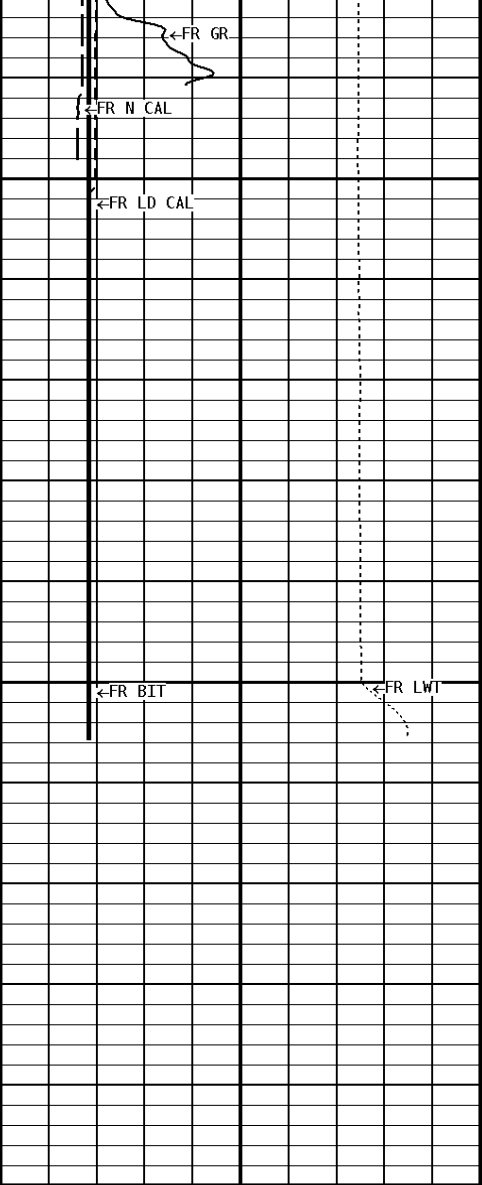
3200





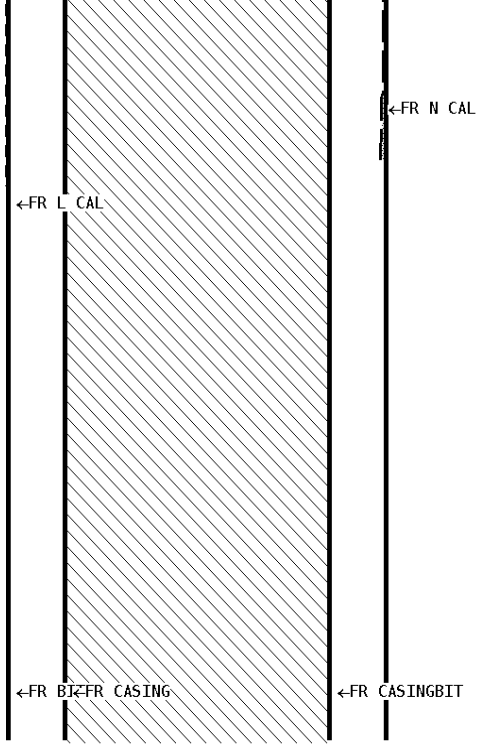
3300

3400



File #1.1.5

3500



1:240 MAIN SECTION

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

BOREHOLE VOLUME CU.FT	ANNULAR HOLE VOLUME CU.FT.
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*** Borehole Zone Factors ***

Zone 1 99999.0 to 0.0 Feet			
Drill Bit Size	_____	7.875	in
Casing Diameter	_____	5.500	in

*** Calibration Summary ***

Shop Calibration						
GRT-B						
Performed : 15-MAY-2011			Time : 08:17			
Sensor Suite : GR-GR5			ID : GRT-BA-121			
	Measured	Units	Calibrated	Units		
	Background	Jig	Jig			
GR	50	360	175		GRAPI	
		CPS				
Shop Calibration						
CNT-AA						
Performed : 00-XXX-0000			Time : 00:00			
Sensor Suite : CALI-BCN			ID : NDT-CB-152			
	Jig - Measured		Jig - Calibrated	Units		
	Ring#1	Ring#2	Ring#1	Ring#2		
CL # 1	7.8	13.9	6.0	12.0	IN.	
Shop Calibration						
LDT-DA						
Performed : 15-MAY-2011			Time : 08:26			
Sensor Suite : CALI-LTH			ID : PDT-GA-465			
	Jig - Measured		Jig - Calibrated	Units		
	Ring#1	Ring#2	Ring#1	Ring#2		
CL # 1	5.4	11.4	6.0	12.0	IN.	