



ALL PRESENTATION PER CUSTOMER REQUEST  
 GRT,CNT,LDT,PIT RUN IN COMBINATION  
 CALIPERS ORIENTED ON X-Y AXIS  
 2.71 G/CC USED TO CALCULATE POROSITY  
 ANNULAR & BOREHOLE VOLUME CALCULATED USING 5.5 PRODUCTION CASING  
 PHIN IS CALIPER CORRECTED  
 DETAIL IS PRESENTED FROM TD TO 2500'  
 ANHYDRITE SECTION FROM 1990' TO 1950'  
 SALT SECTION FROM 2490' TO 2320'

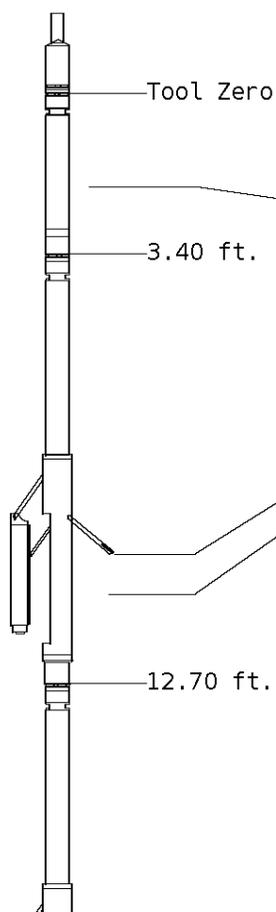
GRT; GRP,  
 CNT; PHIN, CLCNIN  
 LDT; PORL, LCORN, PECLN, LDENN, CLLDIN  
 MLT; NOR.RF, INV.RF, MSCLPIN.  
 PIT; ILD, ILM, SPU, SFLAEC, CIRD

OPERATORS;  
 R. FRANKLIN

J. OFFEINGBU

### Tool String Schematic

**Total Tool Length** - 53.57 ft.  
**Maximum Outside diameter** - 6.00 in.  
**Net Weight in Air** - 943.00 lbs.



**Tool:** GRT-B      **Length:** 3.40 ft.    **O.D.** 3.60 in.  
 Gamma Ray Controller

**Sonde ID** :GRT-BB-013

Measure Point	Tool Offset	Stack Offset	Bottom Offset
GRP	2.00	2.00	51.57

**Tool:** CNT-AA      **Length:** 9.30 ft.    **O.D.** 4.36 in.  
 Compensated Neutron A Pad on NDT-A

**Sonde ID** :NDT-BD-123

**Source ID** :N-1045

**Pad ID** :CNP-AA-111-

Measure Point	Tool Offset	Stack Offset	Bottom Offset
CLCN	6.00	9.40	44.17
PHIN	6.80	10.20	43.37

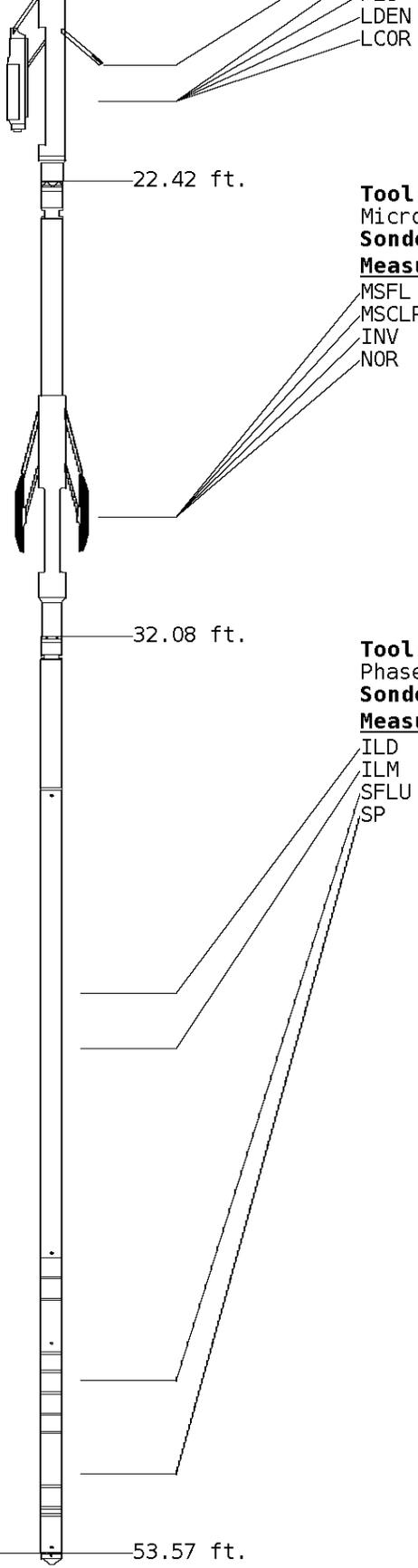
**Tool:** LDT-DF      **Length:** 9.72 ft.    **O.D.** 4.80 in.  
 Litho Density D Pad on NDT-F

**Sonde ID** :NDT-AH-116

**Source ID** :2991GW

**Pad ID** :LDP-DA-067

Measure Point	Tool Offset	Stack Offset	Bottom Offset
CLLD	6.42	19.12	34.45
PEL	7.42	20.12	33.45
PES	7.82	20.52	33.05



LDEN	7.62	20.32	33.25
LCOR	7.62	20.32	33.25

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

Measure Point	Tool Offset	Stack Offset	Bottom Offset
MSFL	7.60	30.02	23.55
MSCLP	7.60	30.02	23.55
INV	7.60	30.02	23.55
NOR	7.60	30.02	23.55

**Tool:** PIT-CA      **Length:** 21.49 ft.    **O.D.** 3.62 in.  
 Phased Dual Induction w/ RM & D  
**Sonde ID** :PIT-CA-077

Measure Point	Tool Offset	Stack Offset	Bottom Offset
ILD	8.92	41.00	12.56
ILM	10.10	42.18	11.39
SFLU	17.49	49.57	4.00
SP	20.60	52.68	0.88

<b>Well File:</b> trip-crow-flax-a1-24-mar-31	<b>Scale:</b> 1:240	<b>Format:</b> CAL-240
<b>Segment:</b> V1.D1.S5 MN	<b>Acquired:</b> 2015-03/31 16:57 3.4.0-13477	
<b>Reference:</b> 0	<b>Processed:</b> 2015-03/31 18:22 3.4.0-13477	

BIT SIZE INCHES (IN)	
6	16

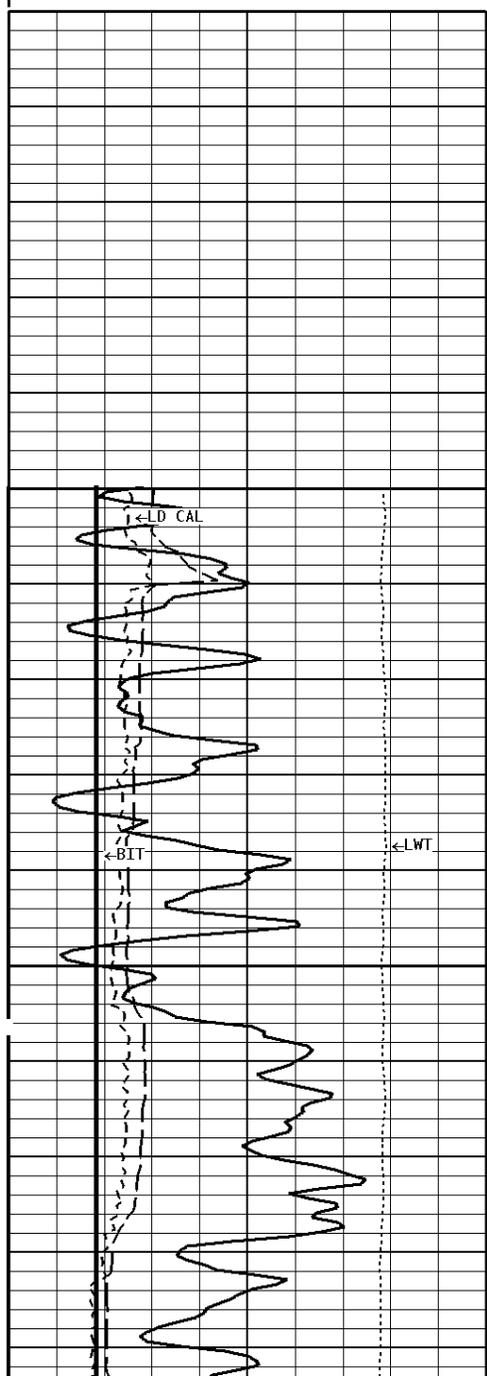
Y CALIPER INCHES (IN)	
16	26

16 6	26 16
<b>X CALIPER INCHES (IN)</b>	
16 6	26 16
<b>TENSION LBS</b>	
10000	0
<b>GAMMA RAY API UNITS</b>	
150 0	300 150

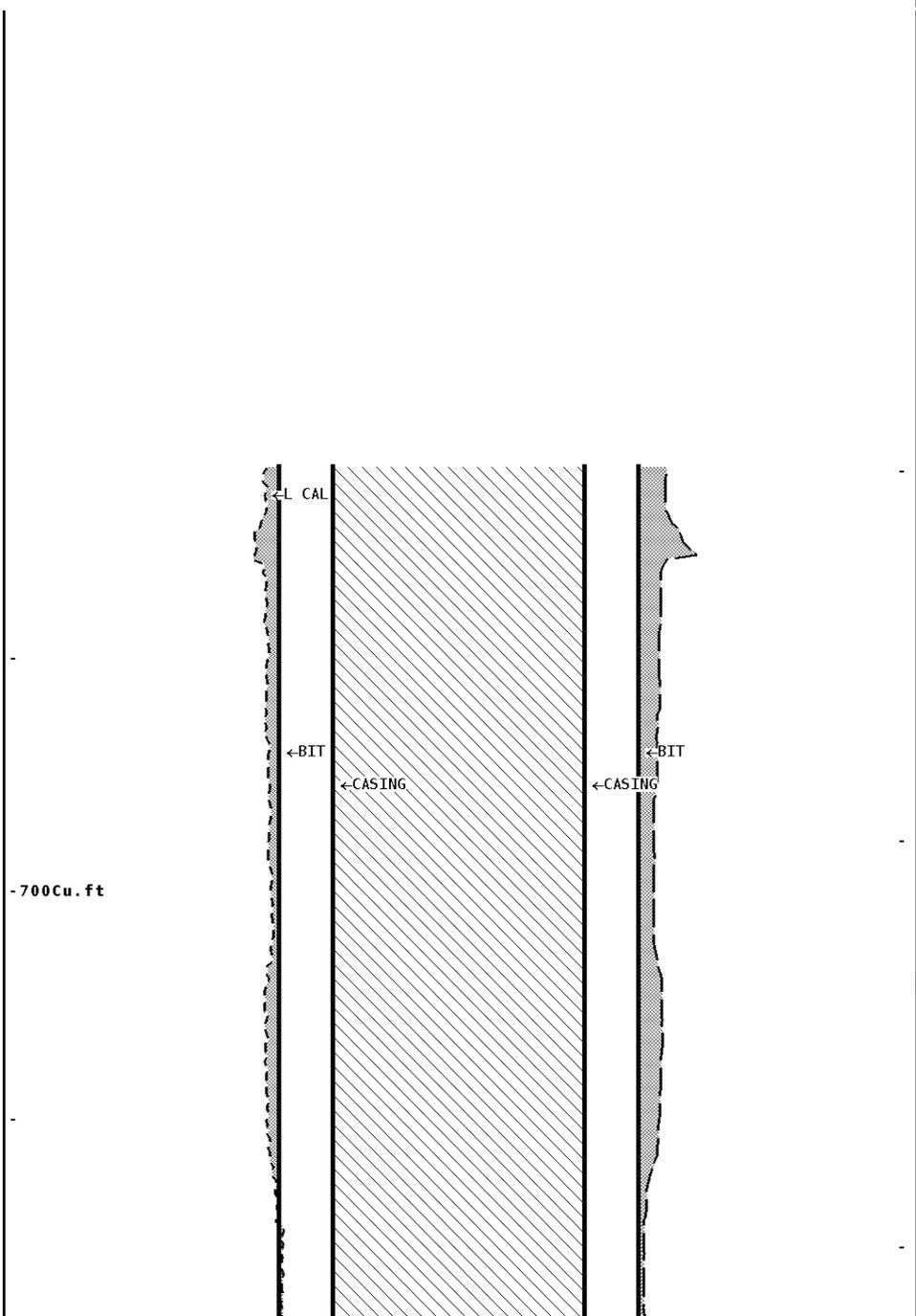
**BOREHOLE VOLUME  
CU.FT**

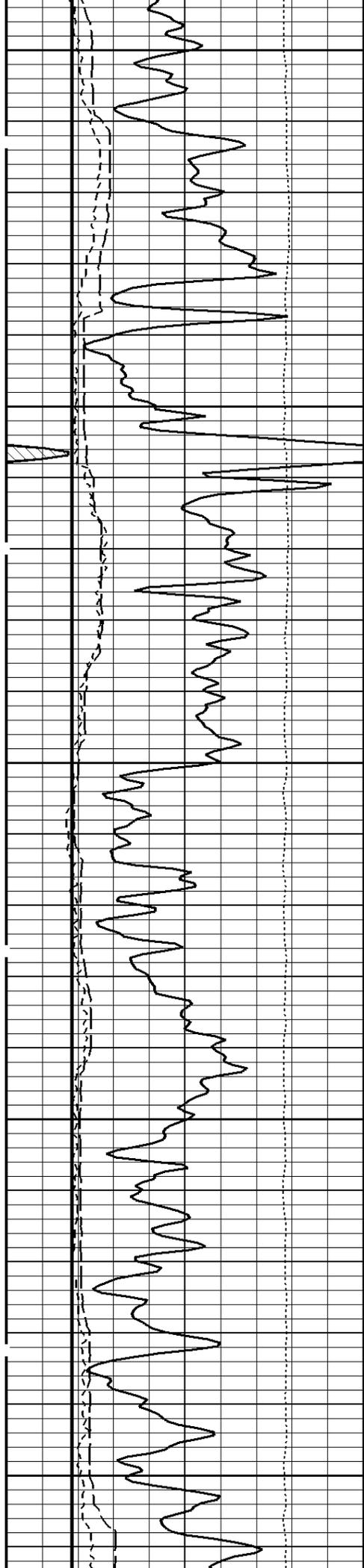
**ANNULAR HOLE VOLUME  
CU.FT.**

## 1:240 MAIN SECTION



2500

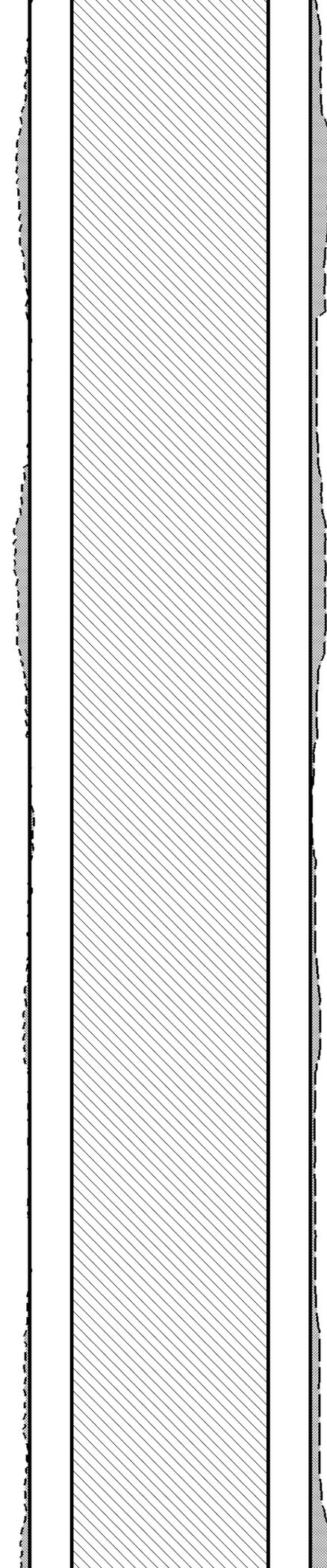




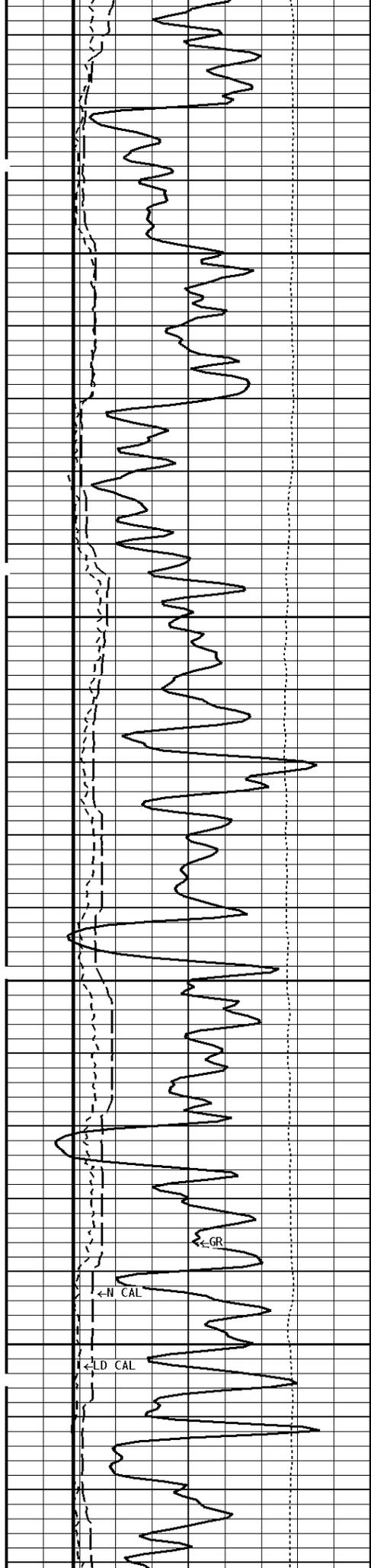
2600

2700

2800

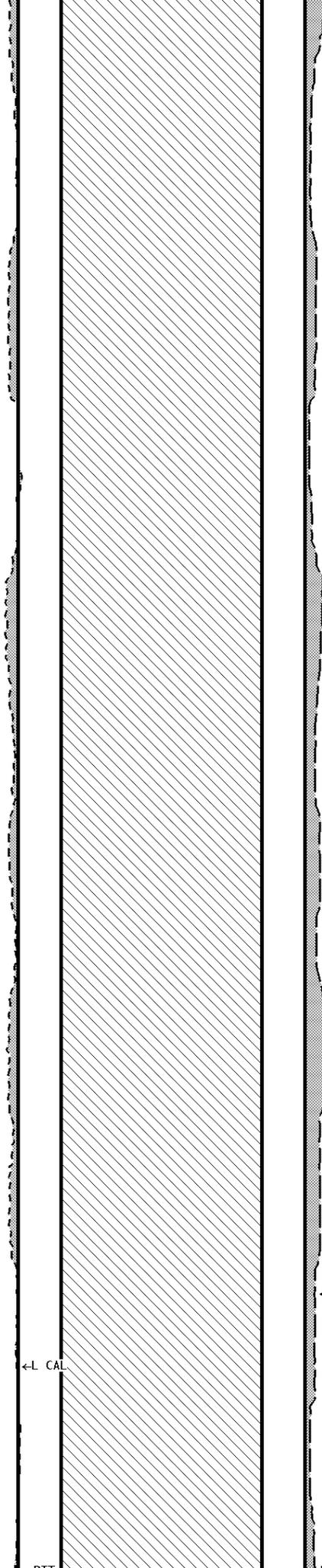


-600Cu.ft



2900

3000



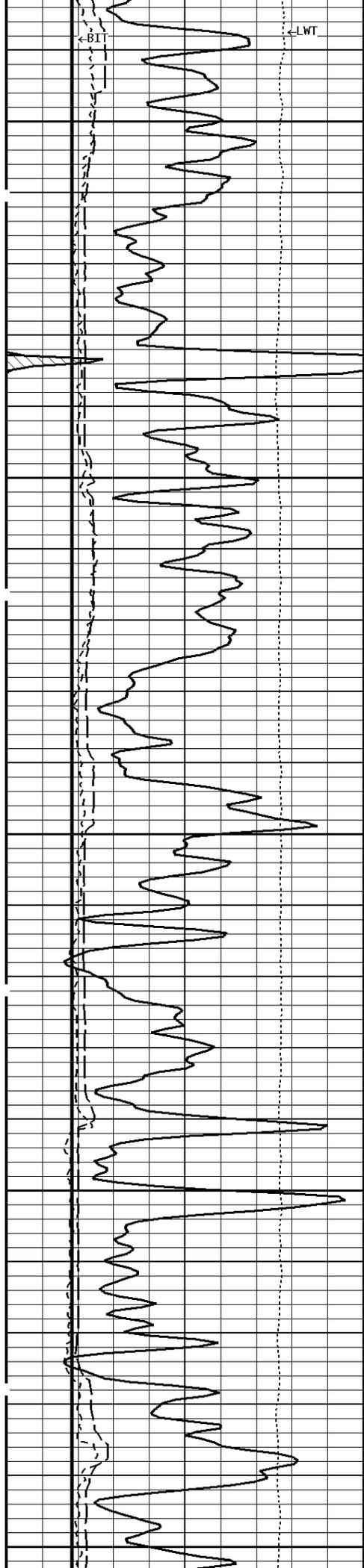
300Cu.ft

←N CAL

←L CAL

←BIT

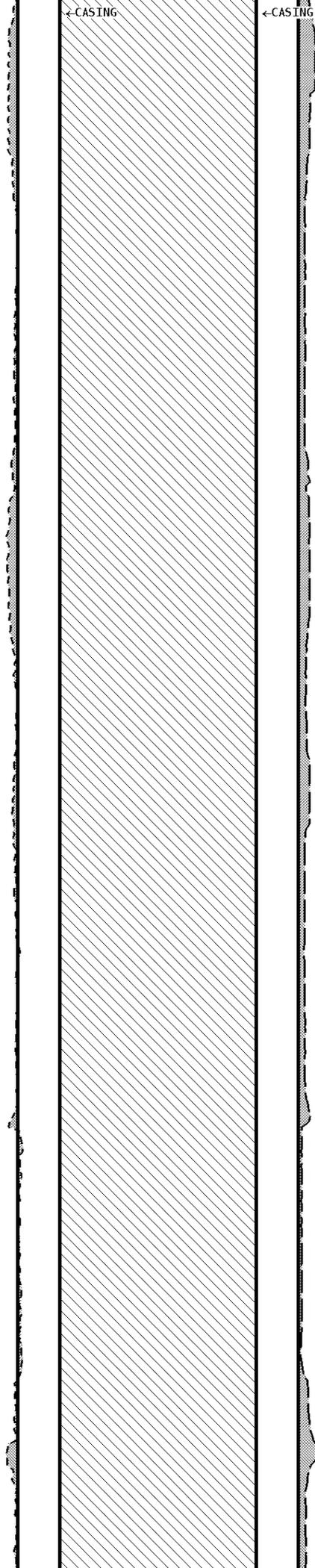
←BIT

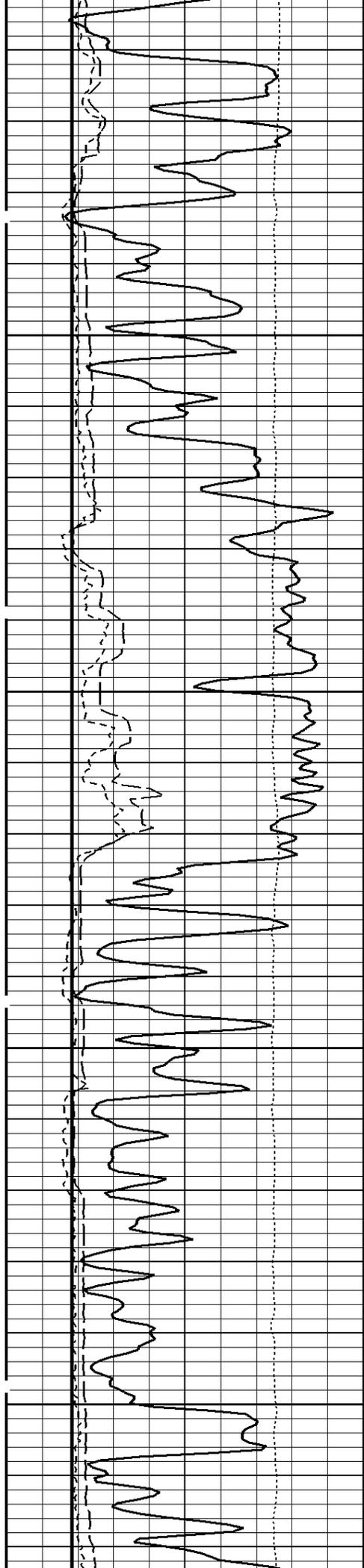


-500Cu.ft

3100

3200

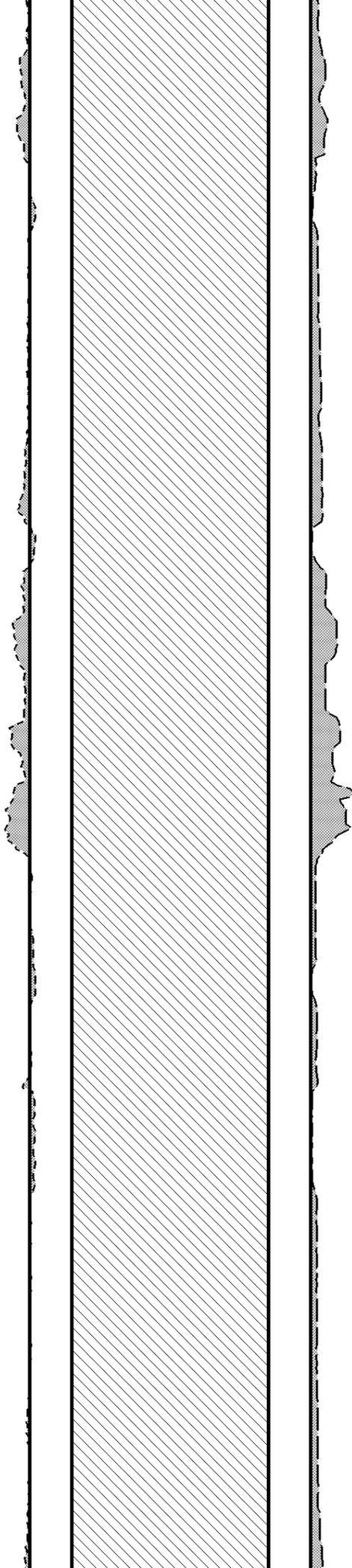




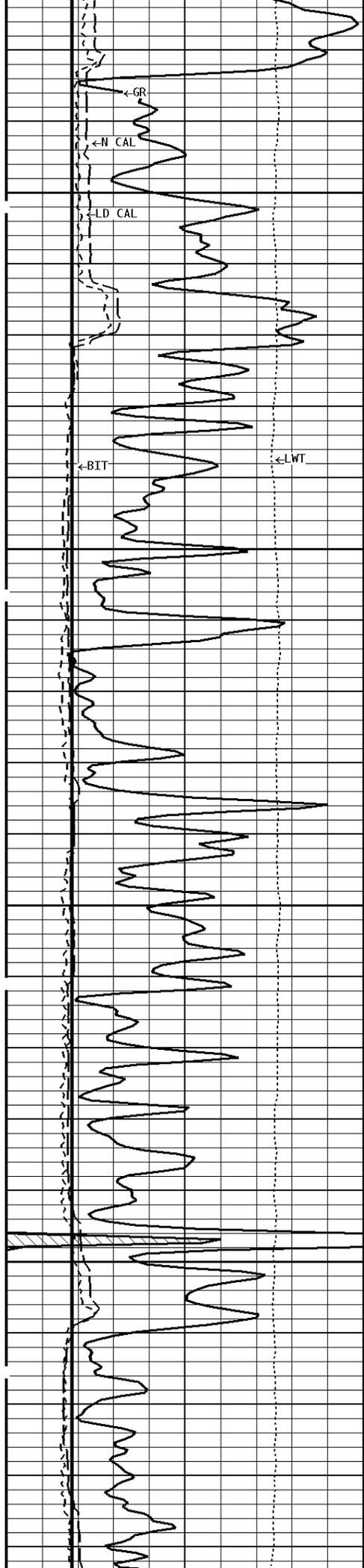
3300

-400Cu. ft

3400



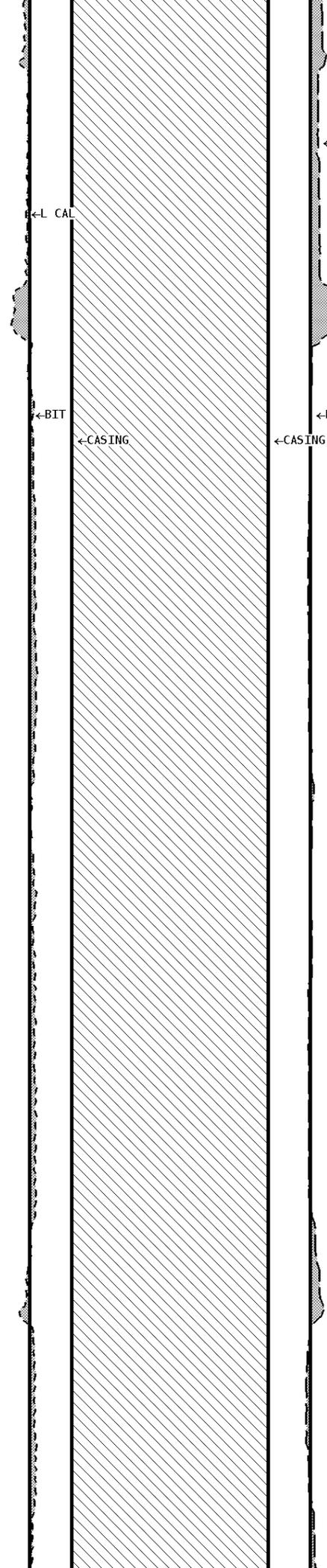
200Cu. ft-



3500

3600

-300Cu.ft



←N CAL

←L CAL

←BIT

←CASING

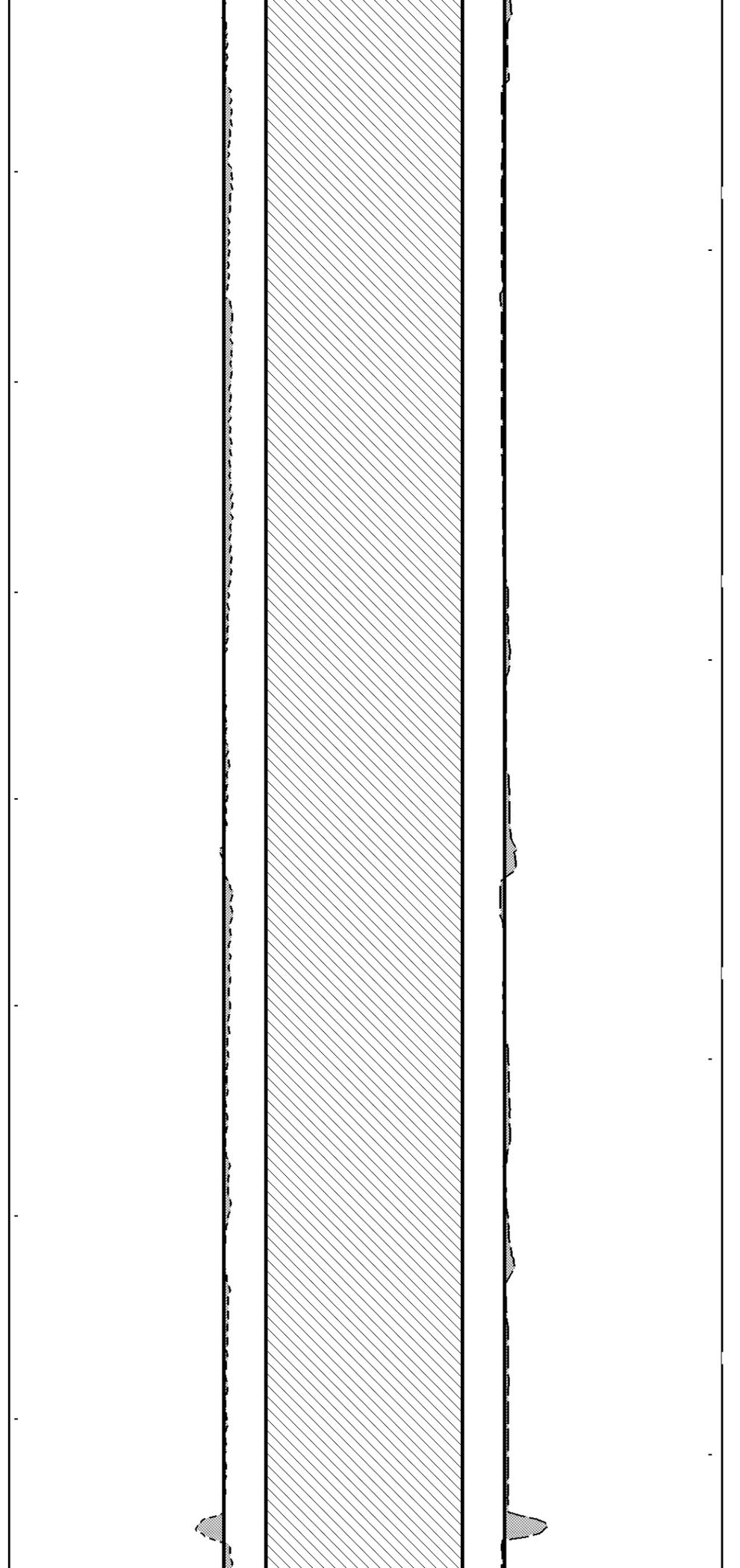
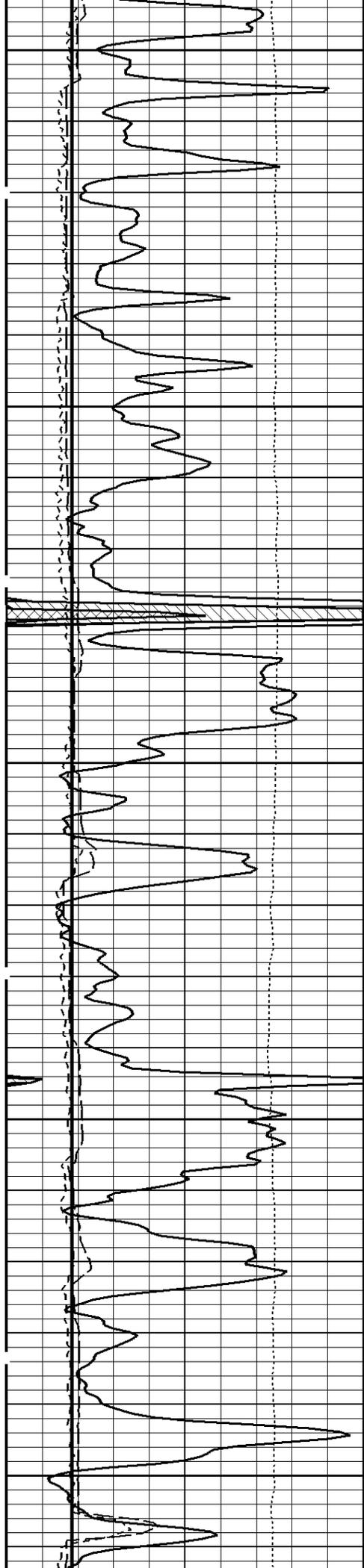
←BIT

←CASING

3700

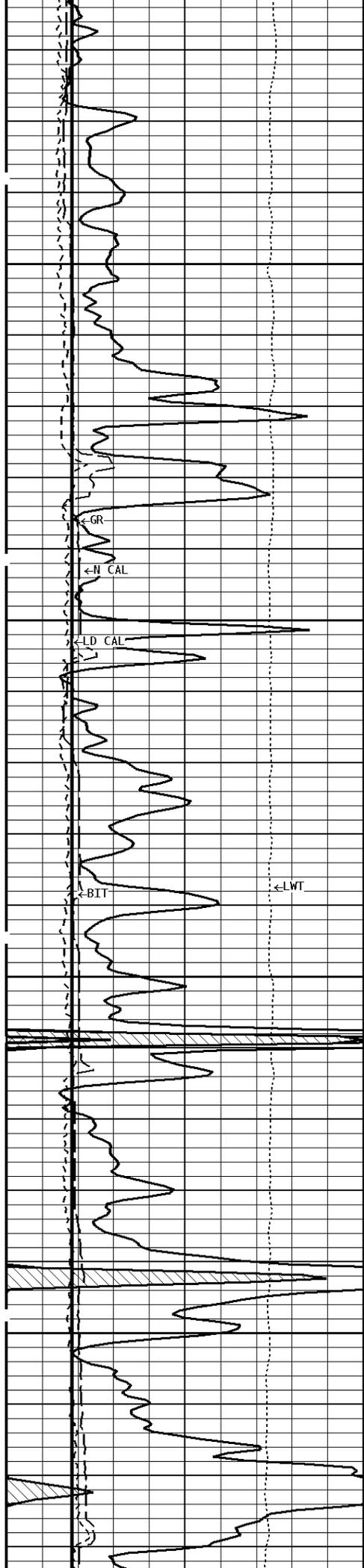
3800

3900



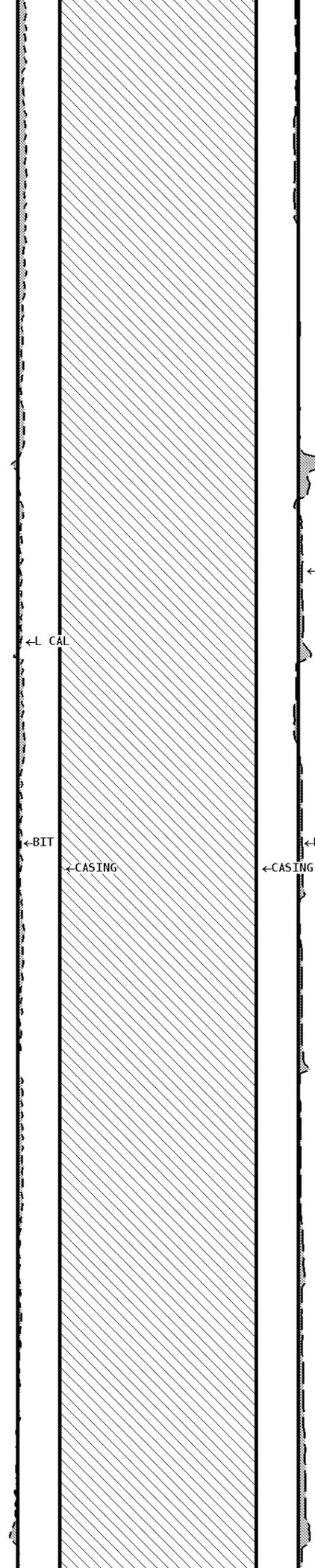
-200Cu. ft

100Cu. ft-



4000

4100



←N CAL

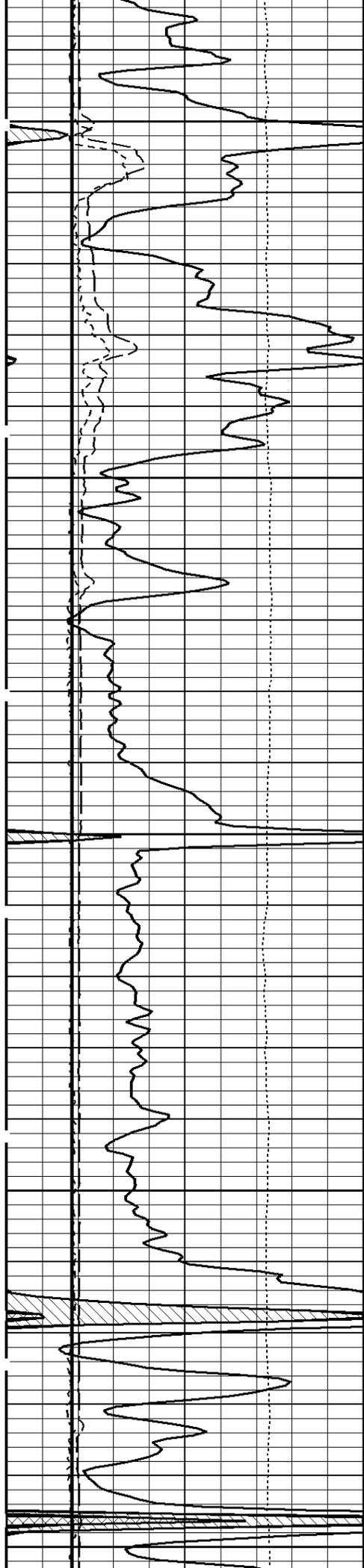
←L CAL

←BIT

←CASING

←BIT

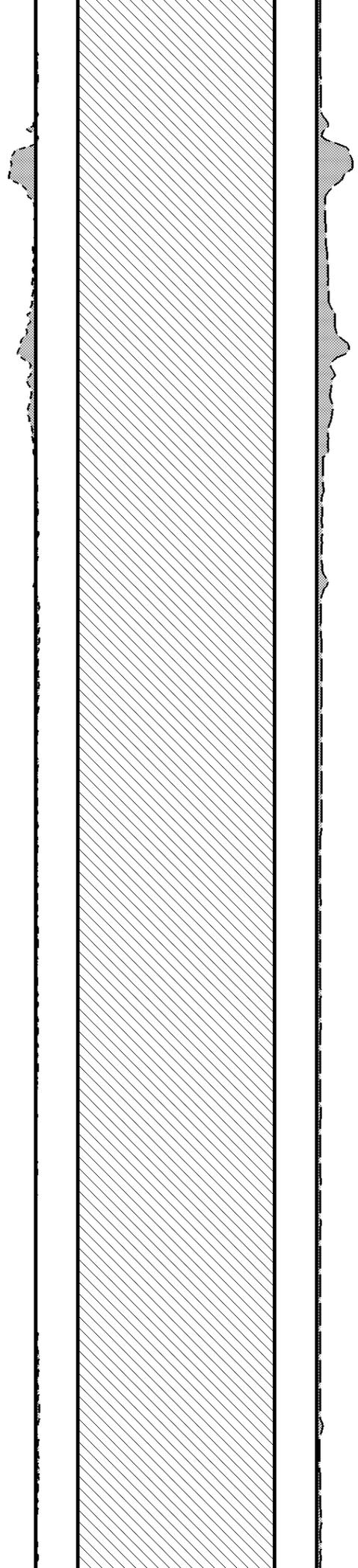
←CASING

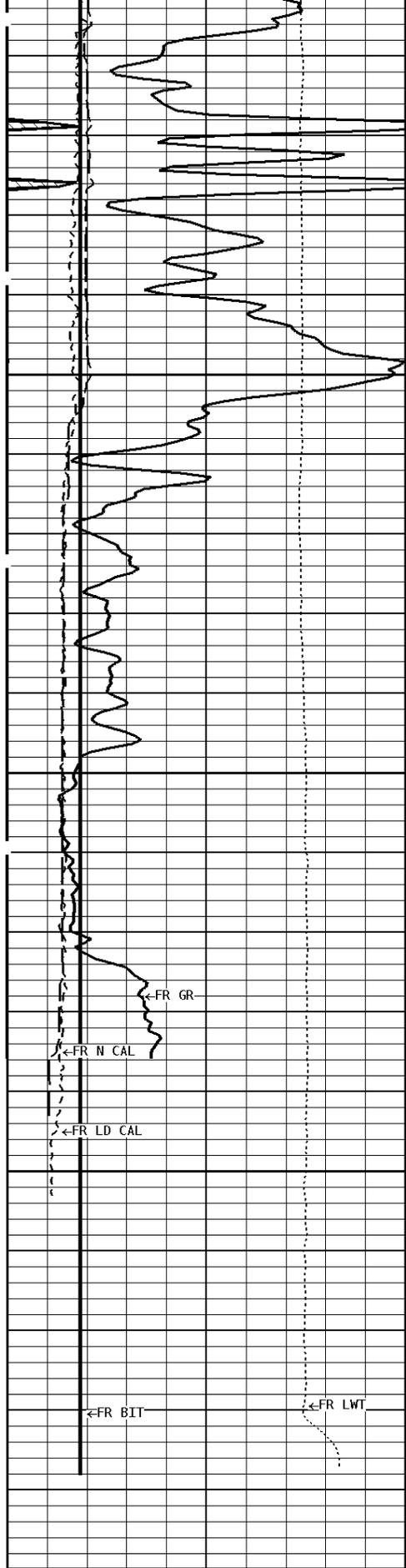


4200

-100Cu.ft

4300





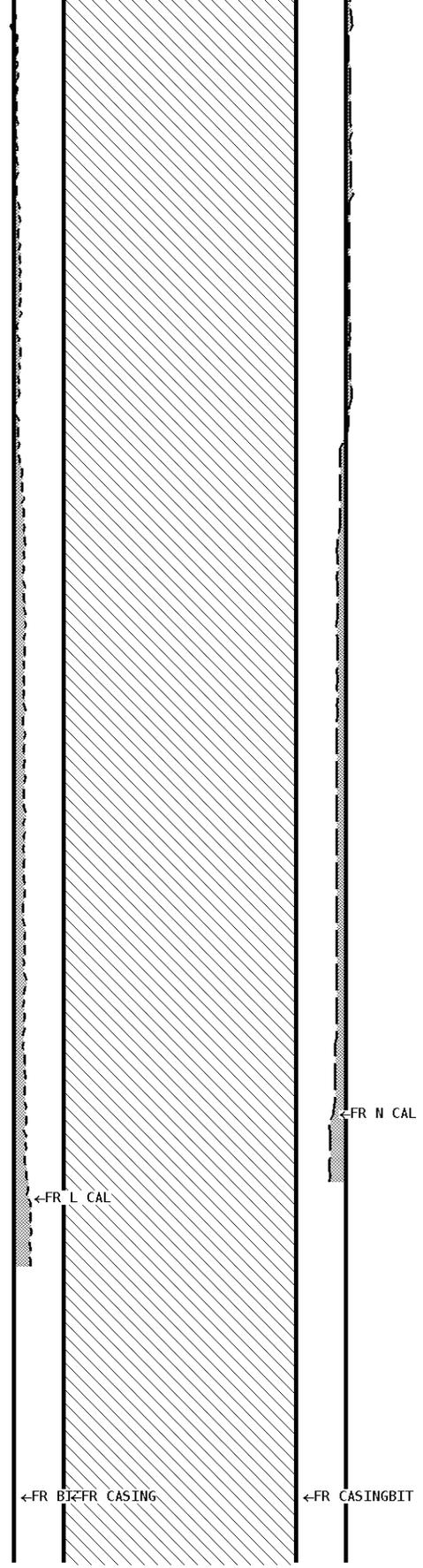
4400

4500

4531

File #1.1.5

1:240 MAIN SECTION



<-FR N CAL

<-FR L CAL

<-FR BIT

<-FR CASINGBIT

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

<b>BOREHOLE VOLUME CU.FT</b>	<b>ANNULAR HOLE VOLUME CU.FT.</b>
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\* Borehole Zone Factors \*

<b>Zone 1</b>	<b>99999.0</b>	<b>to</b>	<b>0.0</b>	<b>Feet</b>
Drill Bit Size				7.875 in
Casing Diameter				5.500 in

\* Calibration Summary \*

<b>Shop Calibration GRT-B</b>					
Performed : 10-NOV-2014			Time : 17:59		
Sensor Suite : GR-GR5			ID : GRT-BB-013		
	Background	Measured Jig	Units	Calibrated Jig	Units
GR	62	380	CPS	175	GRAPI
<b>Shop Calibration CNT-AA</b>					
Performed : 13-MAR-2015			Time : 10:02		
Sensor Suite : CALI-BCN			ID : NDT-BD-123		
	Jig - Measured		Jig - Calibrated		Units
CL # 1	Ring#1	Ring#2	Ring#1	Ring#2	IN.
	9.5	14.5	6.0	12.0	
<b>Shop Calibration LDT-DF</b>					
Performed : 23-MAR-2015			Time : 13:00		
Sensor Suite : CALI-LTH			ID : NDT-AH-116		
	Jig - Measured		Jig - Calibrated		Units
CL # 1	Ring#1	Ring#2	Ring#1	Ring#2	IN.
	8.0	13.0	6.0	12.0	



Company: TRIPLE CROWN OPERATING LLC.  
 Well: FLAX #A1-24  
 Location: 330' FSL & 330' FEL  
 Logged: 03-31-2015  
 K.B. Elev: 2526.0 Ft