



Tucker
ENERGY SERVICES

MICRO LOG

Company ANDERSON ENERGY, INC
Well HAY #1
Field
County SEDGWICK
State KANSAS
Country USA
API No. 15-173-21024-00-00

File No : TUL-58234
Company : ANDERSON ENERGY, INC
Well : HAY #1
Field :
County : SEDGWICK
State : KANSAS
Country : USA
API No : 15-173-21024-00-00

Location :
2310' FNL & 2240' FEL

LSD : Sect : 14 Twp : 29S Rge : 01W

Permanent Datum:
Drilling Measured From: GL KB Elevations: KB 1291.00 Ft GRT MLT
Log Measured From: KB KB DF 1289.00 Ft CNT CST
Above Permanent Datum: 9.00 Ft GL 1282.00 Ft LDT PIT

Date	2013-02-01		
Run Number	1		
Depth--Driller	3900.0	Ft	
Depth--Logger	3900.0	Ft	
First Reading	3862.0	Ft	
Last Reading	2000.0	Ft	
Casing--Driller	285.0	Ft	
Casing--Logger	285.0	Ft	
Bit Size	7.875	In	
Casing Size	8.625	In	
Hole Fluid Type	WBM		
Density	9.4	LBS/GAL	
Fluid Loss	9.0	CC	
PH/Viscosity	8.5	49.0 SEC	
Sample Source	MEASURED		
RM@Measured Temp.	1.700 @ 64	F	
RMF@Measured Temp	1.450 @ 64	F	
RMC@Measured Temp.	1.960 @ 64	F	
Source RMF/RMC	CALCULATED/CALCULATED		
RM@BHT	1.510 @ 107	F	
Time Circulation Stopped			
Max Recorded Temp.	107	F	
Equipment/Base	TRK 123	TULSA	
Recorded By	Z. HICKMAN		
Witnessed By	K. LEBLANC		

The customer is hereby warned that by providing the log data herein, T. E. S. does not agree to provide any interpretation of log data, conversion of log data to physical rock parameters or recommendations. T. E. 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. E. 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. E. 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	3900.00	8.625	24.00	285.00

Run Number	1	
Date	2013-02-01	
Date/Time On Bottom	2013-02-01 05:30	
Depth to Fluid	0.0 Ft	
Salinity	0.000 PPM	
RMF@BHT	1.280 @ 107 F	
RMC@BHT	1.730 @ 107 F	

Run Number 1

Comments

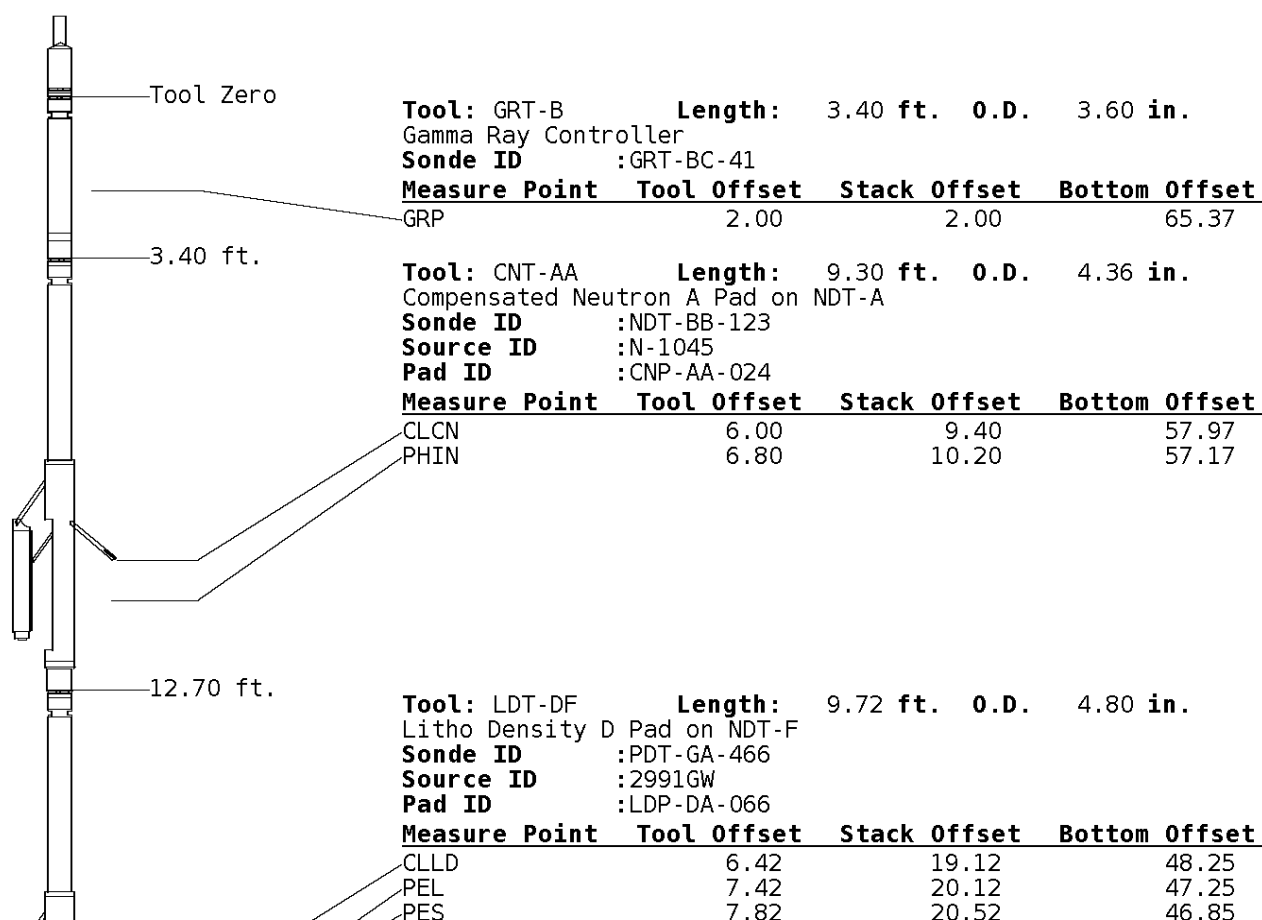
ALL PRESENTATIONS AS PER CUSTOMER REQUEST
 GRT, CNT, LDT, MLT, CST, AND PIT RUN IN COMBINATION.
 CALIPERS ORIENTED ON X-Y AXIS.
 2.71 G/CC USED TO CALCULATED POROSITY.
 ANNULAR HOLE VOLUME CALCULATED USING 5.50" PRODUCTION CASING.
 DETAIL PRESENTED FROM TD TO 2000'
 PHIN IS CALIPER CORRECTED

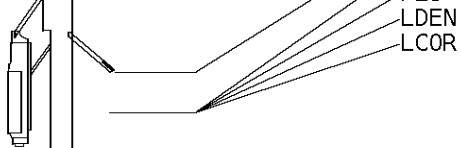
GRT: GRP, GRX.
 CNT: PHIN, CLCNIN, PHXN.
 LDT: PORL, PXRL, LCORN, LCORNX, PECLN, PECLNX, LDENN, LDENNX, PORLLS, CLLDIN.
 MLT: NOR_RF, INV_RF, MSCLPIN.
 CST: PORS, ITT, CDTF, TT1, TT3.
 PIT: ILD, ILM, SPU, SFLAEC, CIRD

OPERATORS:
 M. RUBY
 D. HOPPER

Tool String Schematic

Total Tool Length - 67.37 ft.
Maximum Outside diameter - 6.00 in.
Net Weight in Air - 1171.00 lbs.



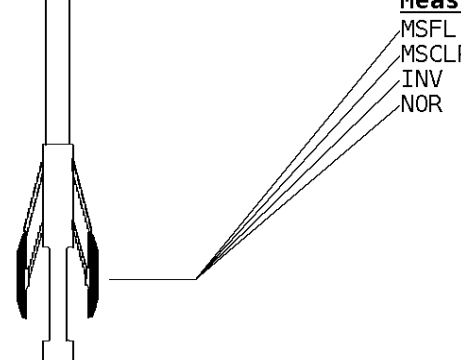


LDEN	7.62	20.32	47.05
LCOR	7.62	20.32	47.05

22.42 ft.

Tool: MST-DA **Length:** 9.66 ft. **O.D.** 6.00 in.
Micro Spherically Focused (IC)
Sonde ID :MST-DA-36

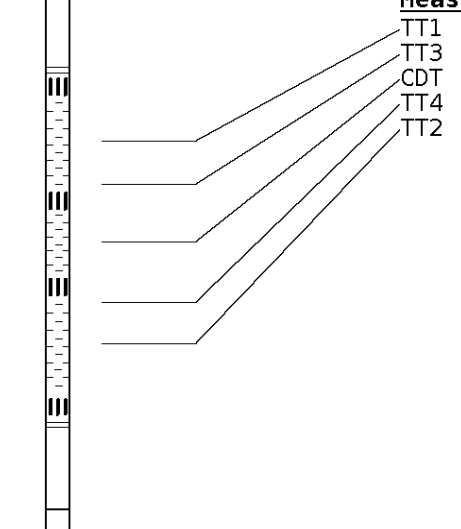
Measure Point	Tool Offset	Stack Offset	Bottom Offset
MSFL	7.60	30.02	37.35
MSCLP	7.60	30.02	37.35
INV	7.60	30.02	37.35
NOR	7.60	30.02	37.35



32.08 ft.

Tool: CST-AD **Length:** 13.80 ft. **O.D.** 3.60 in.
Open Hole Sonic
Sonde ID :CST-AB-25

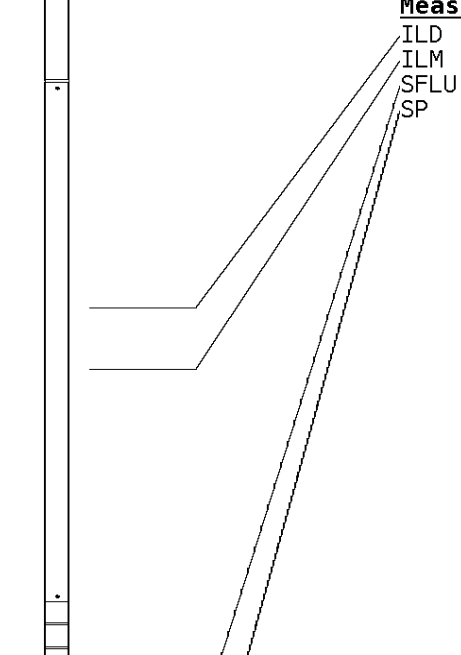
Measure Point	Tool Offset	Stack Offset	Bottom Offset
TT1	4.80	36.88	30.49
TT3	5.80	37.88	29.49
CDT	7.30	39.38	27.99
TT4	8.80	40.88	26.49
TT2	9.80	41.88	25.49



45.88 ft.

Tool: PIT-CA **Length:** 21.49 ft. **O.D.** 3.62 in.
Phased Dual Induction w/ RM & D
Sonde ID :PIT-AB-005

Measure Point	Tool Offset	Stack Offset	Bottom Offset
ILD	8.92	54.80	12.56
ILM	10.10	55.98	11.39
SFLU	17.49	63.37	4.00
SP	20.60	66.48	0.88



LWT 67.37 ft.

Well File: AND HAY 1 FEB 1 QUINT

Segment: V1.D1.S6 MAIN

Reference: 0

Scale: 1:240

Acquired: 2013-02/01 05:49 3.2.0-11401

Processed: 2013-02/01 07:48 3.2.0-11401

BIT SIZE
INCHES (IN)

6 16

CALIPER MICRO
INCHES (IN)

16 26
6 16

TENSION
LBS

10000 0

GAMMA RAY
API UNITS

150 300
0 150

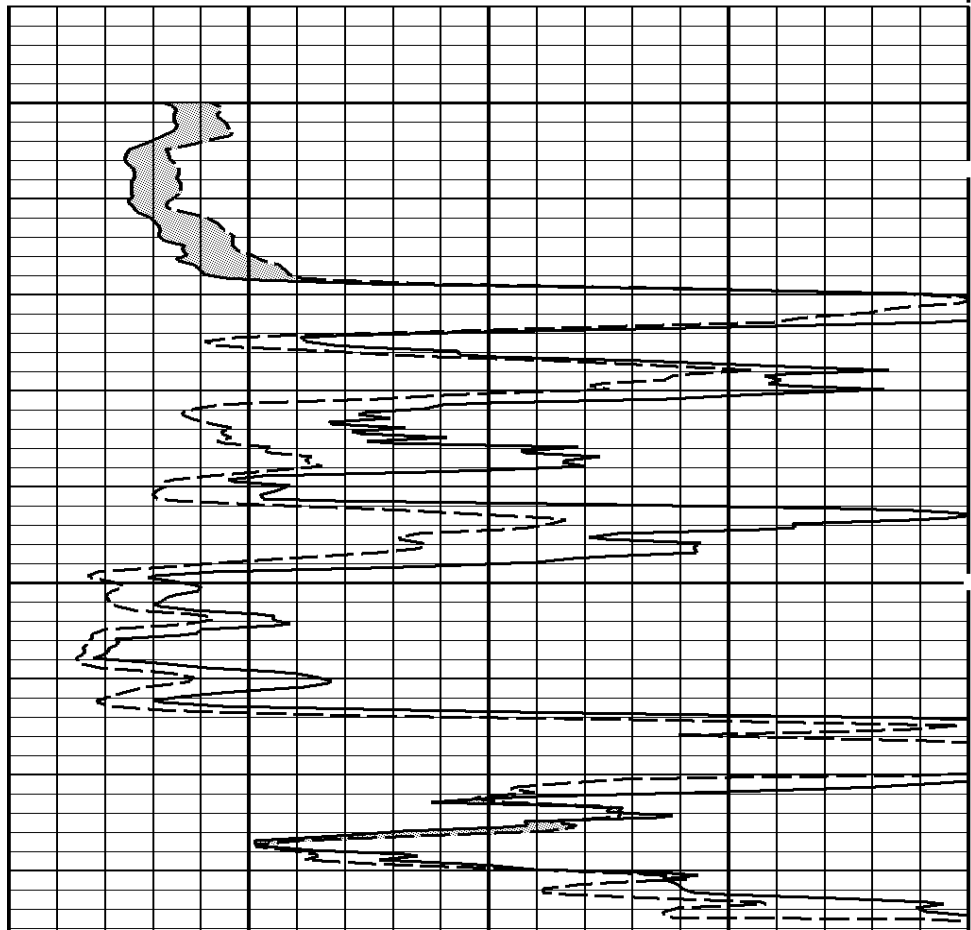
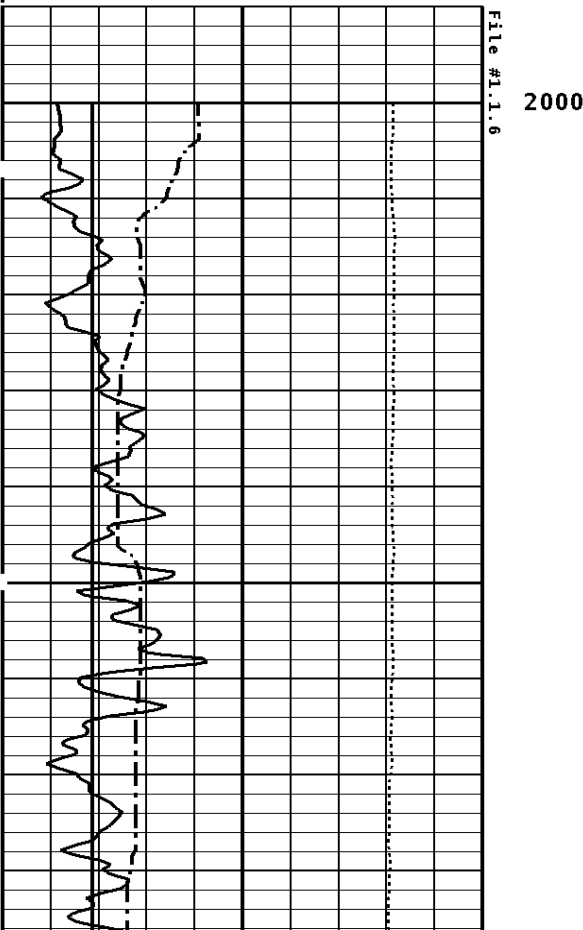
INVERSE
OHMM

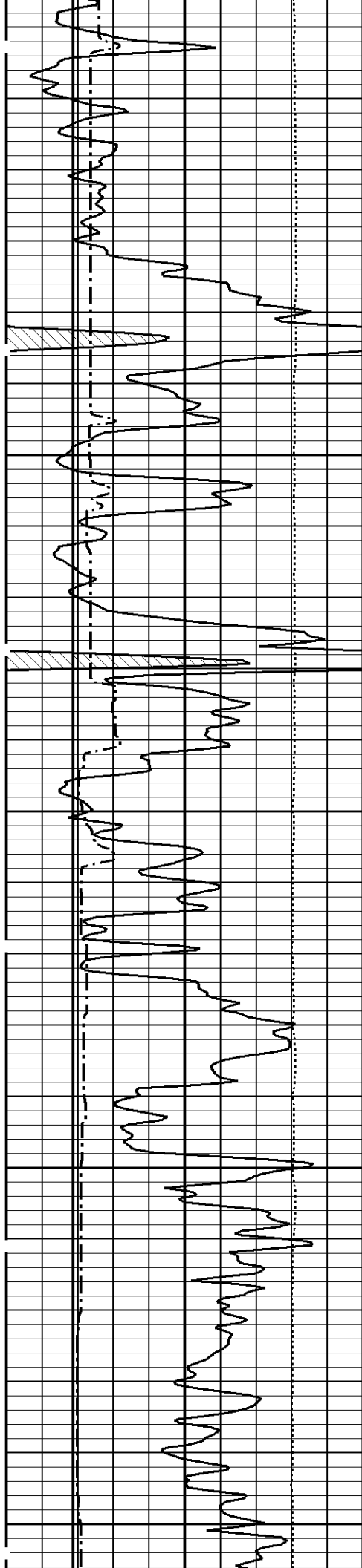
0 40

NORMAL
OHMM

0 40

1:240 MAIN SECTION

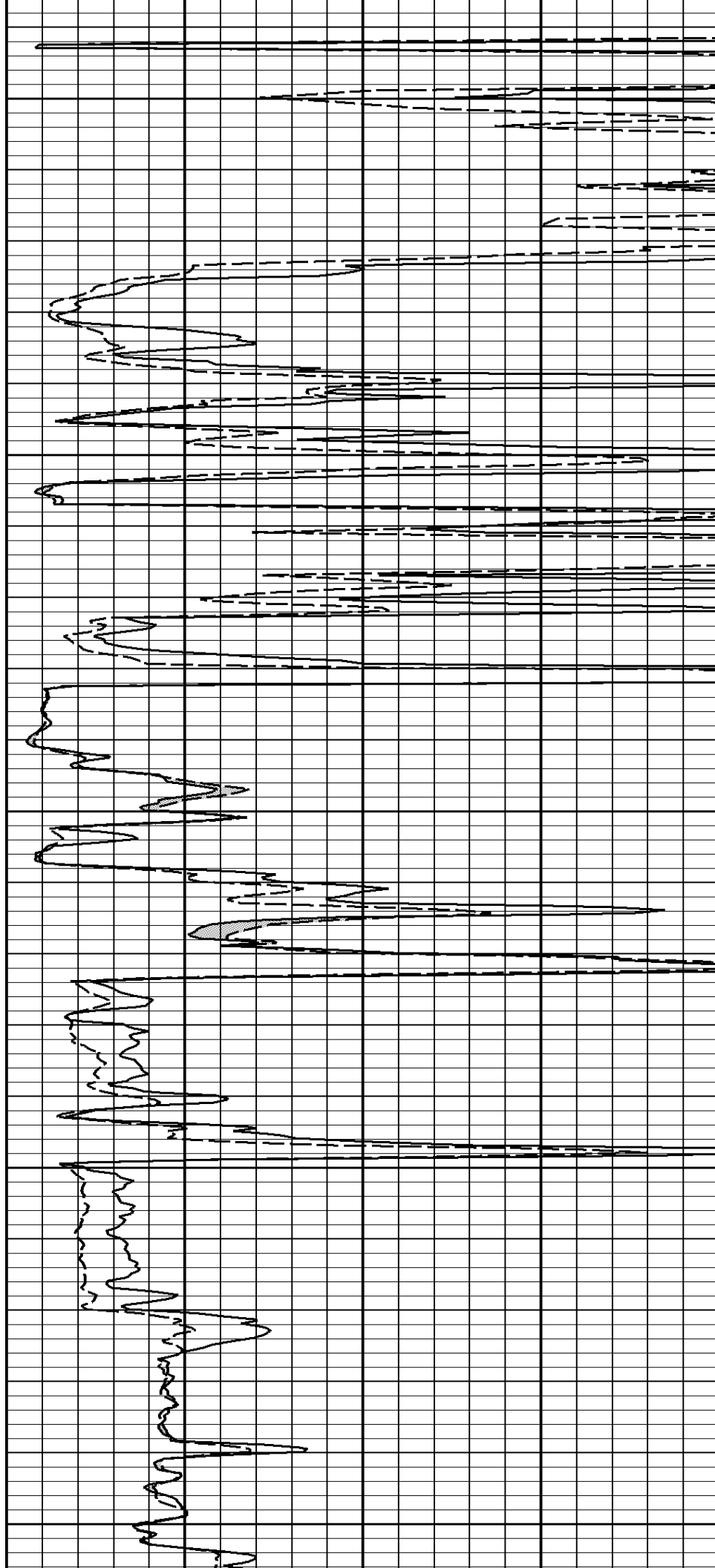


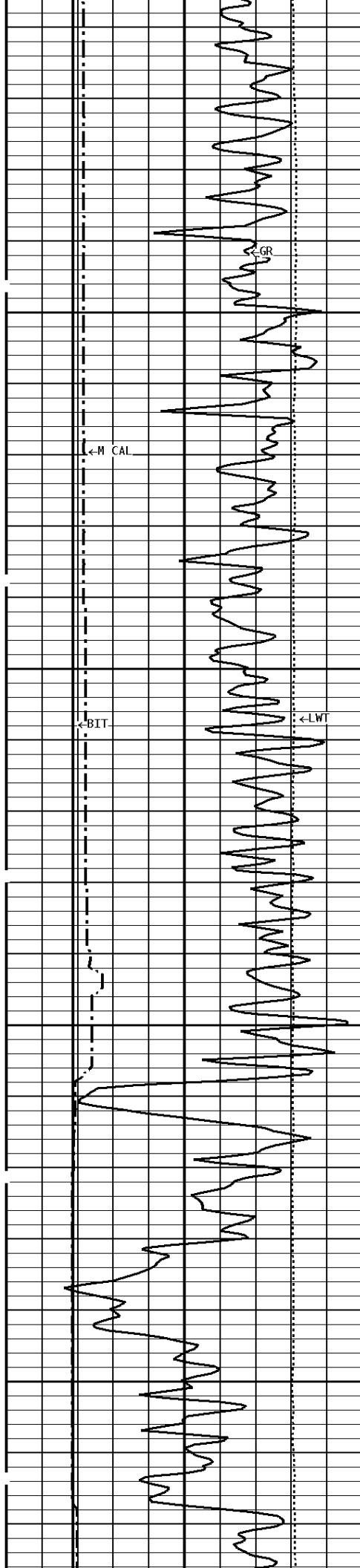


2100

2200

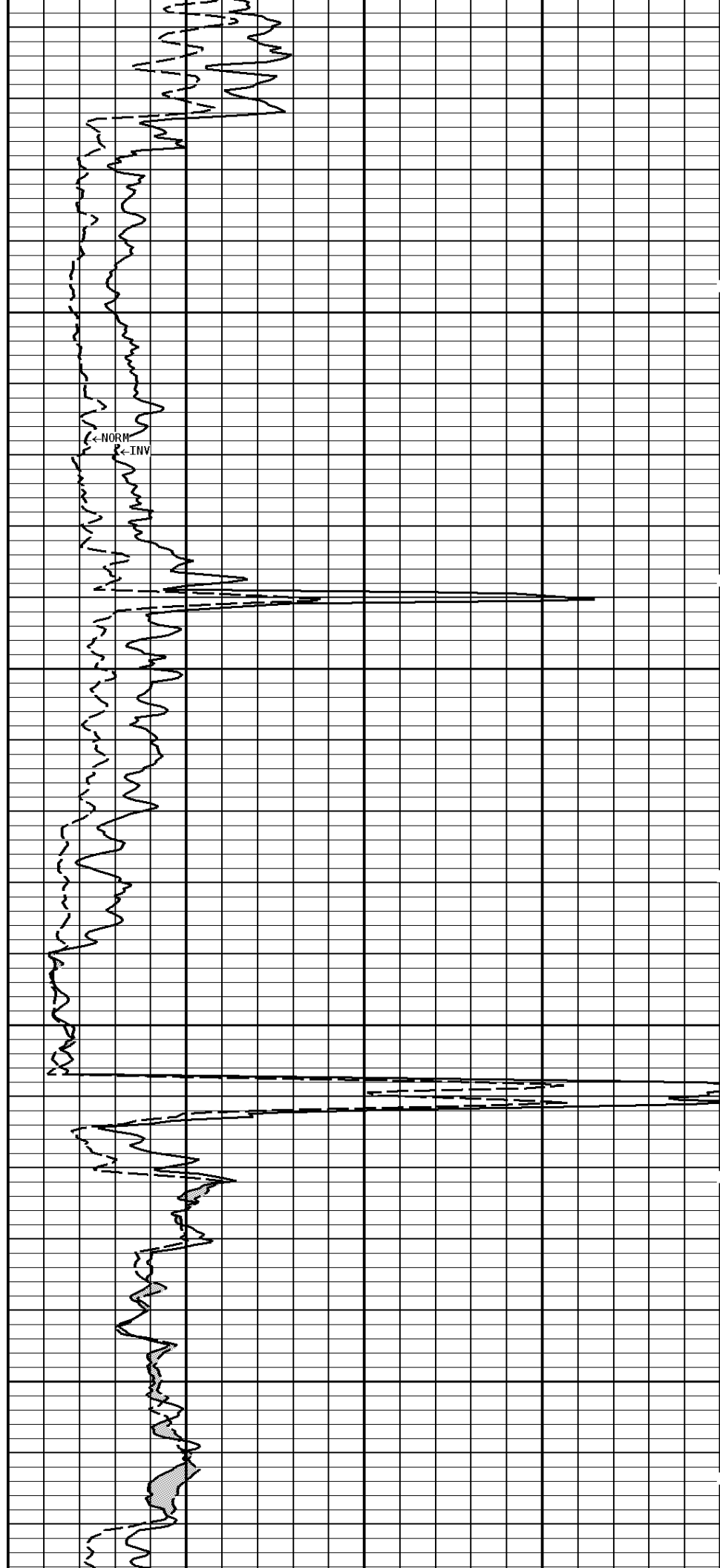
2300

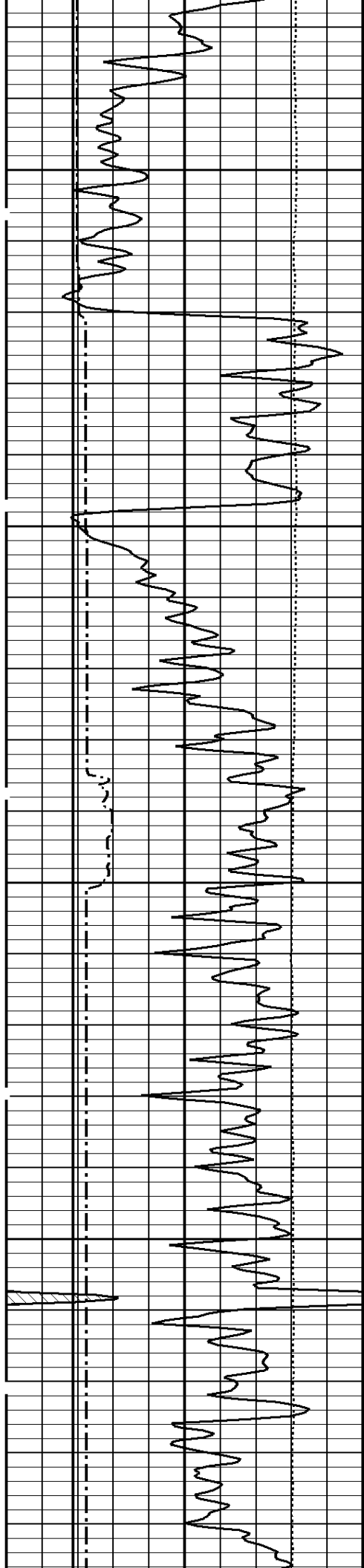




2400

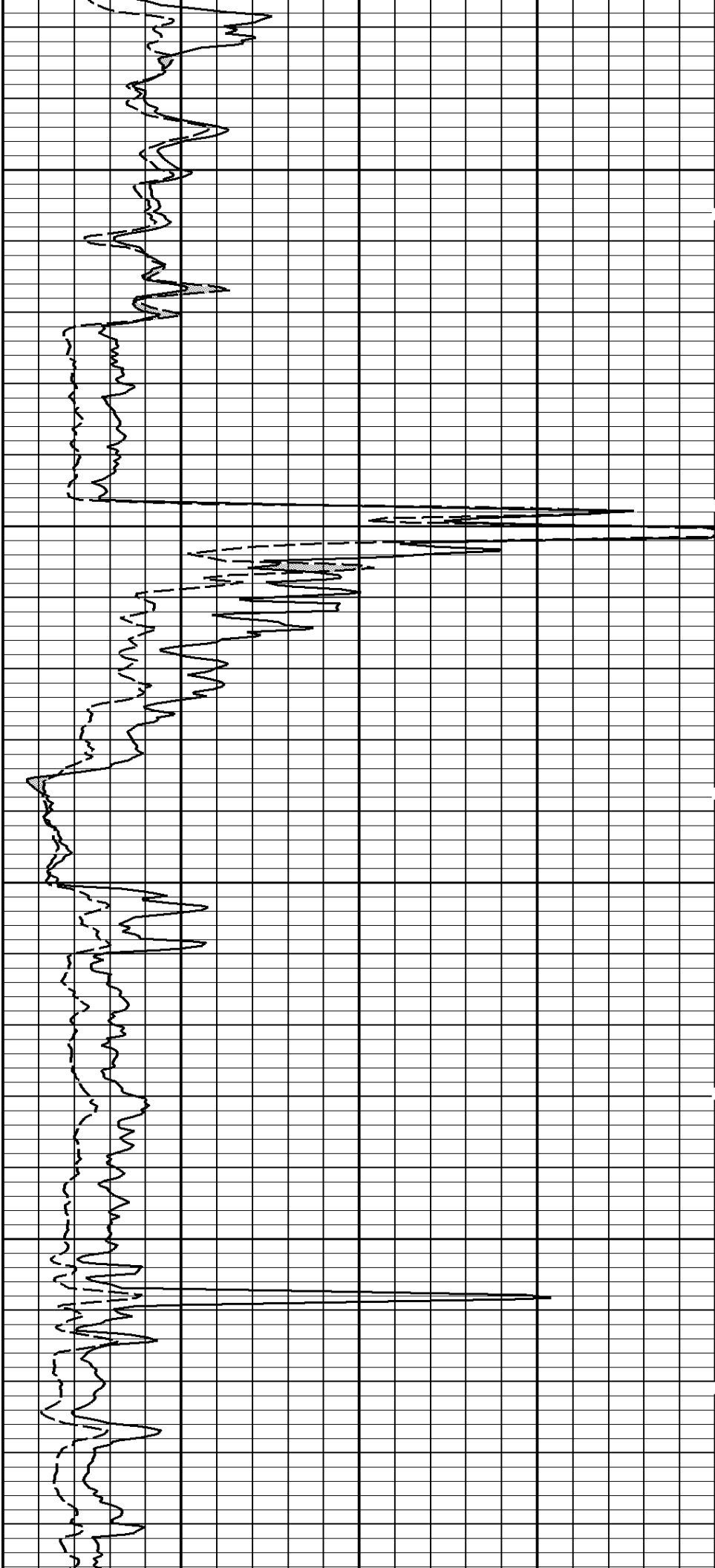
2500

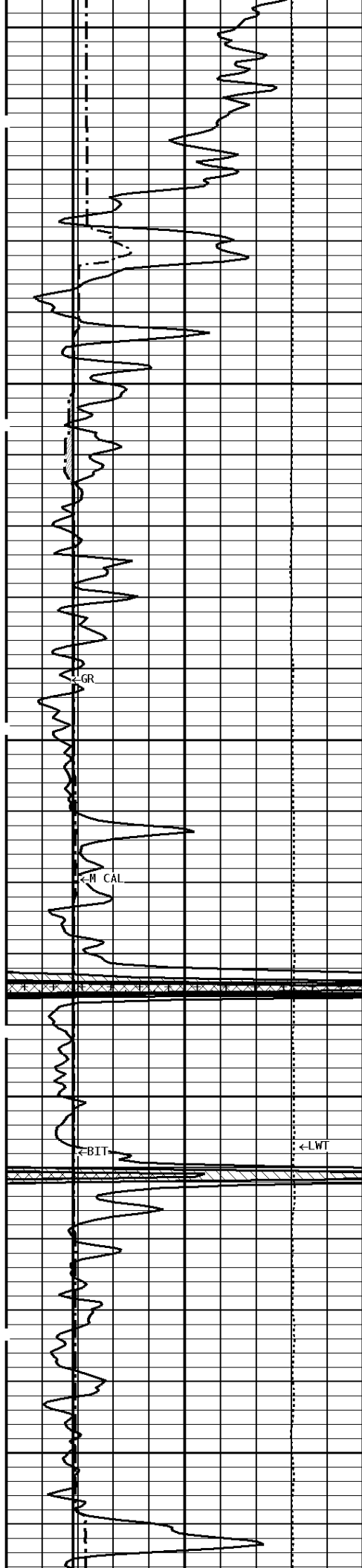




2600

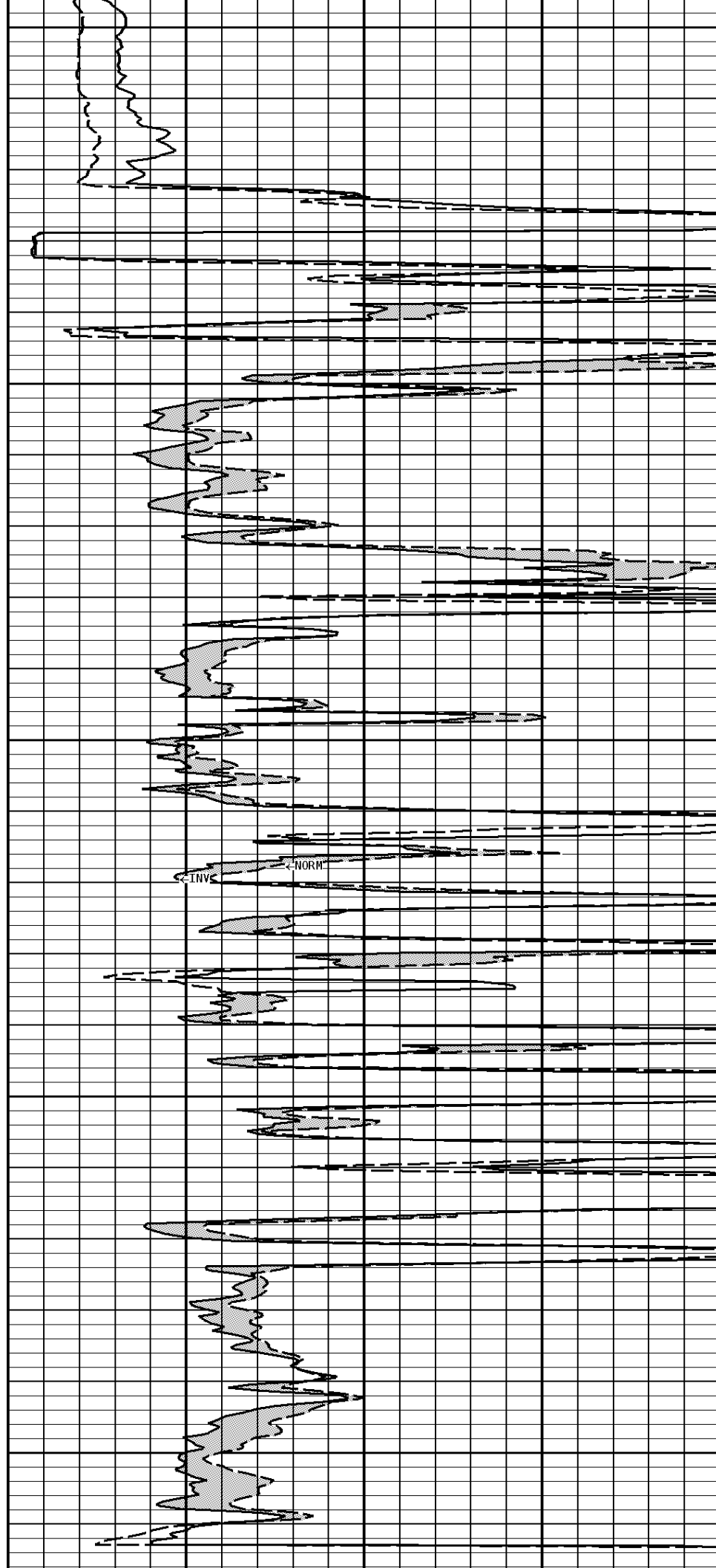
2700

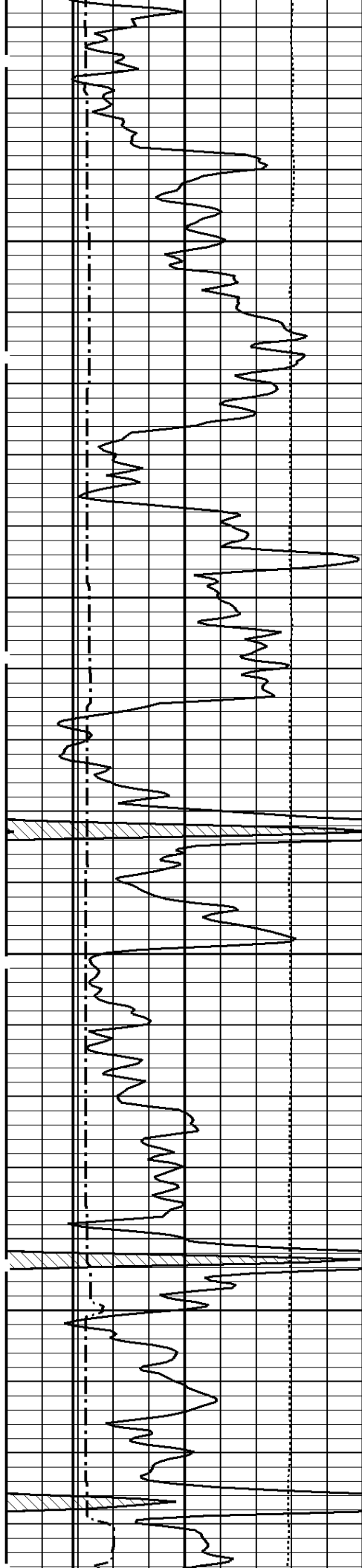




2800

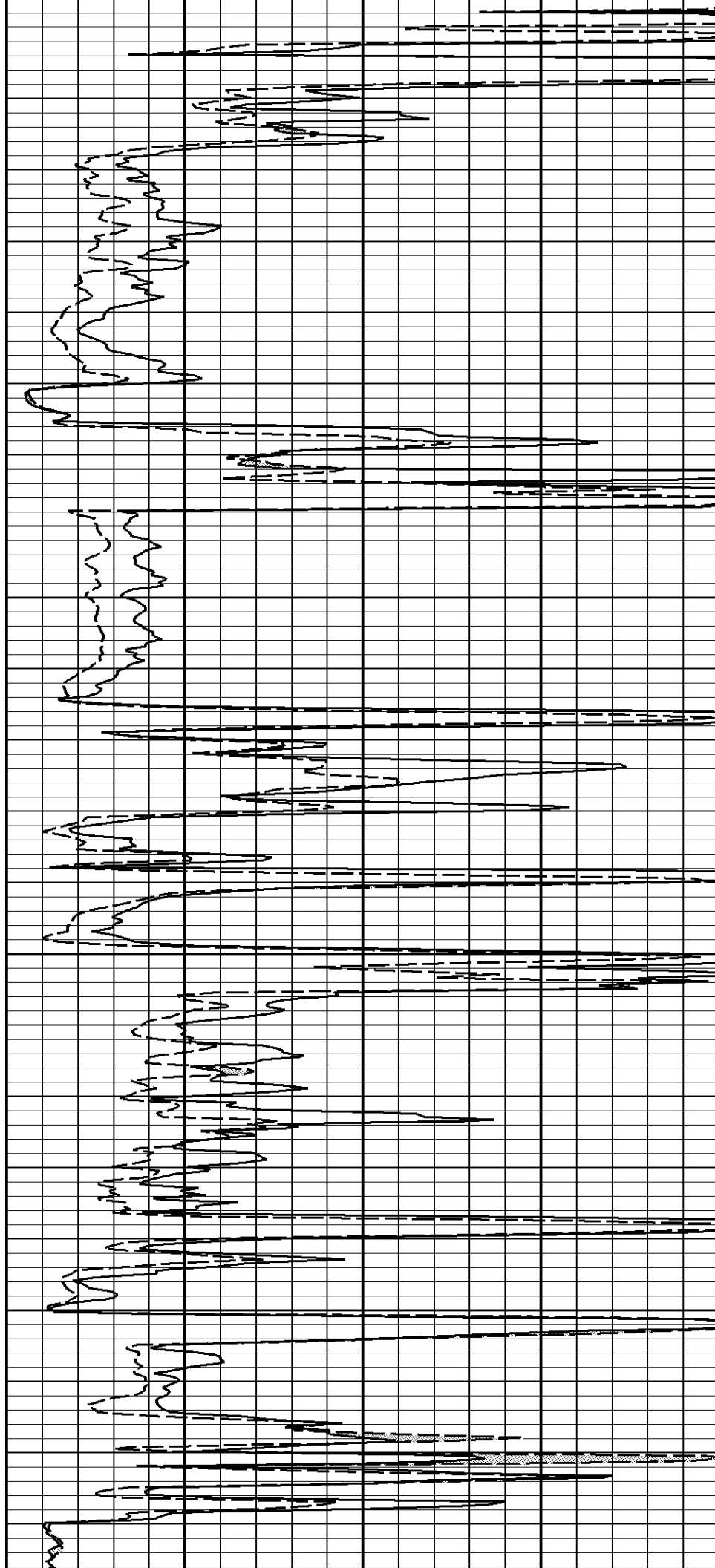
2900

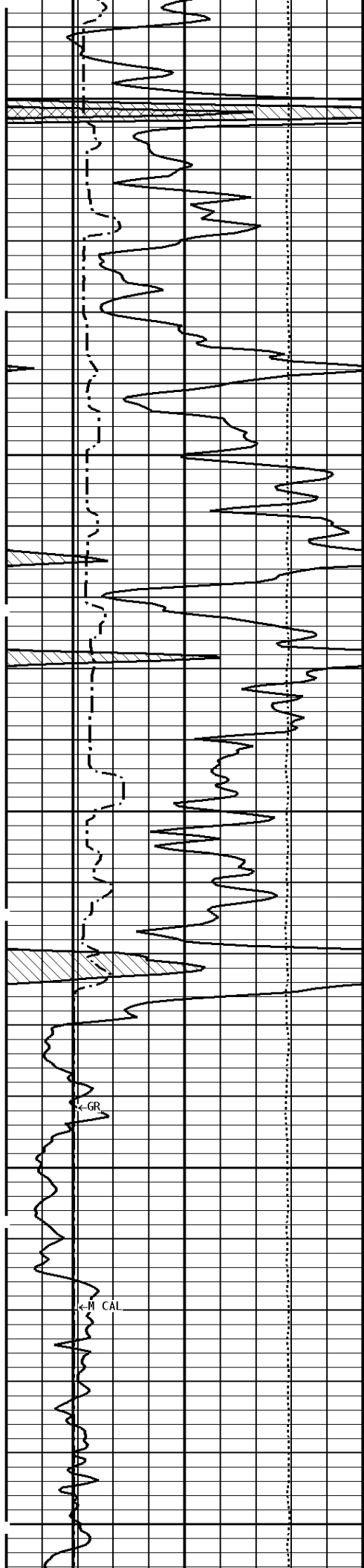




3000

3100

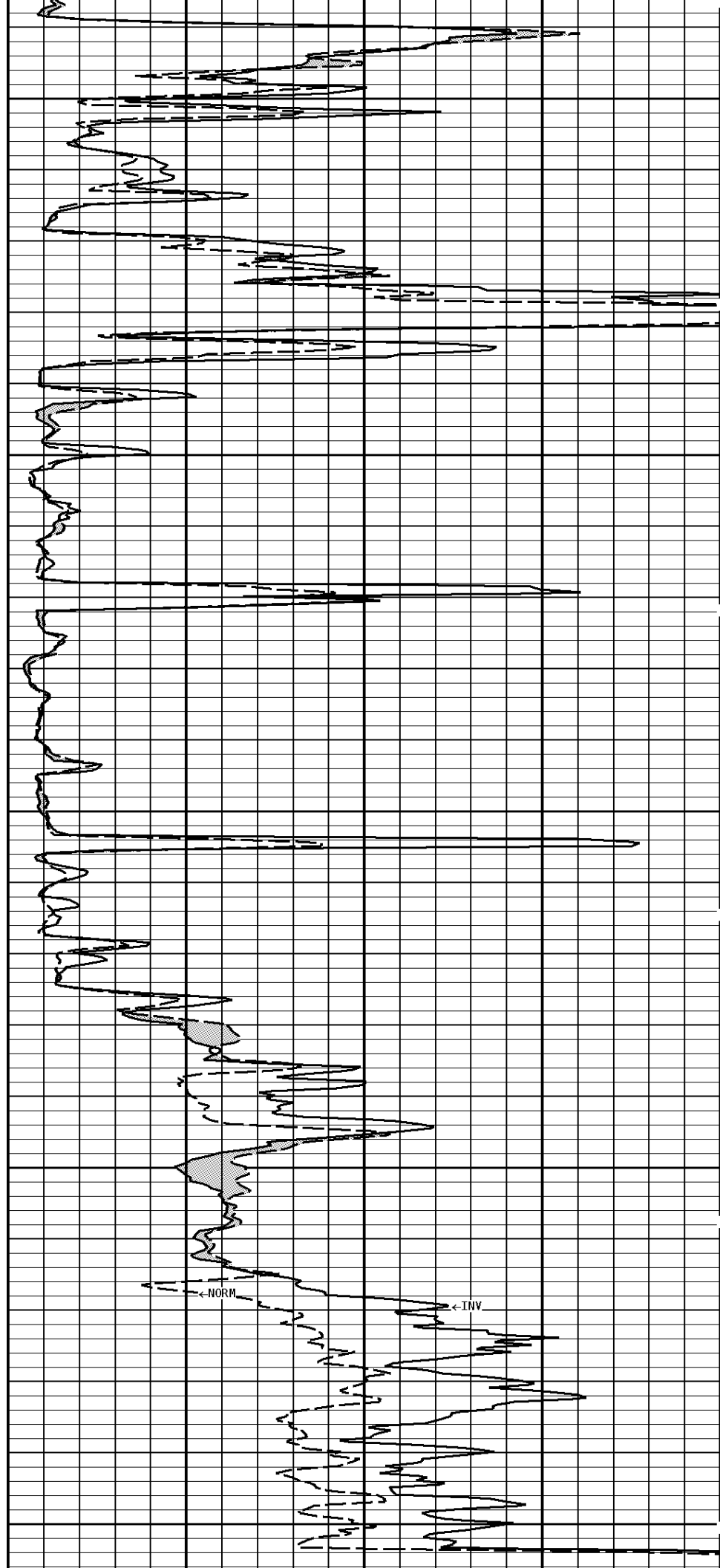


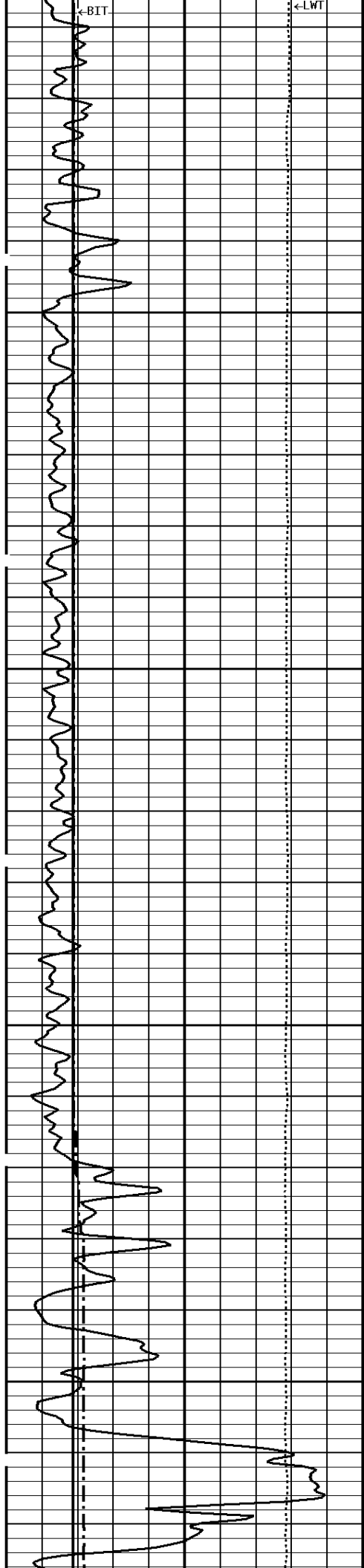


3200

3300

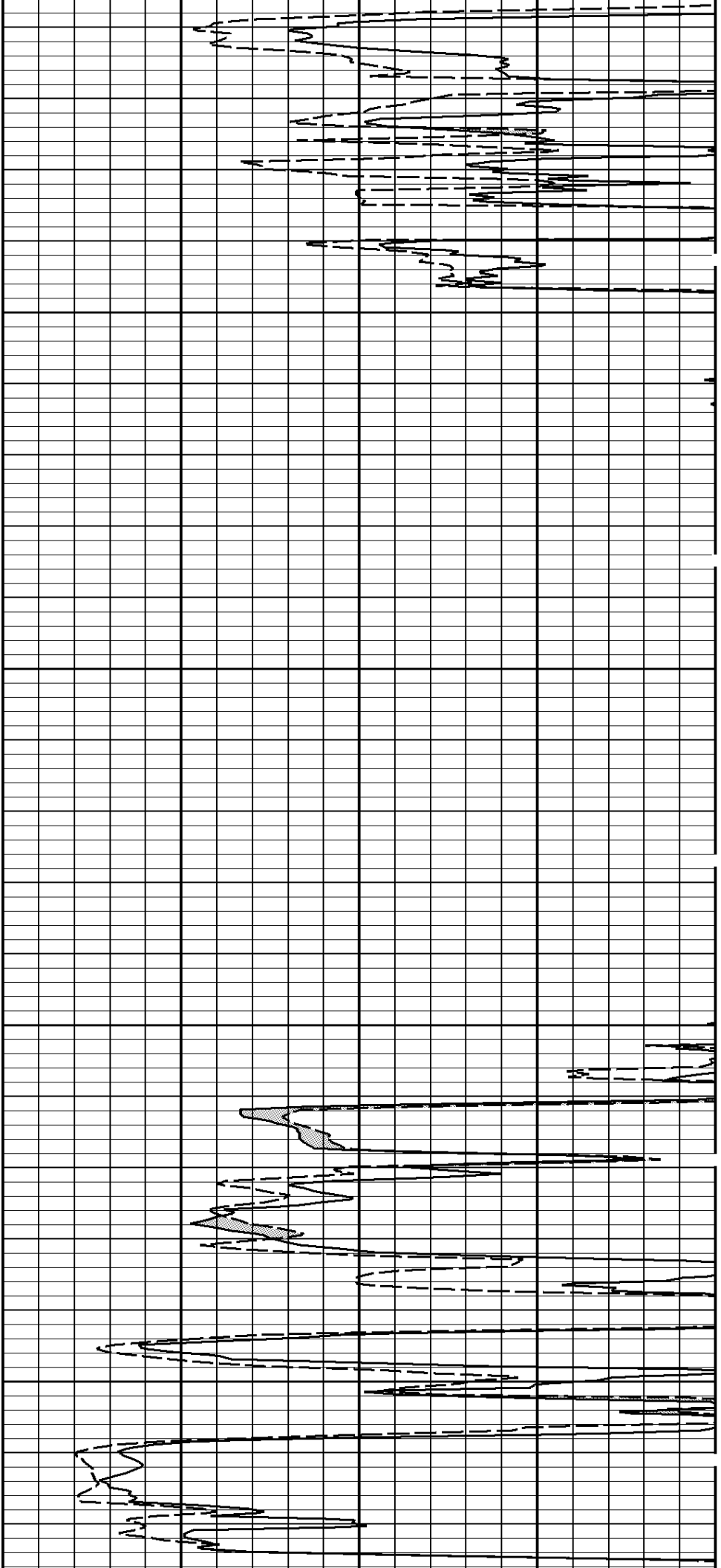
3400

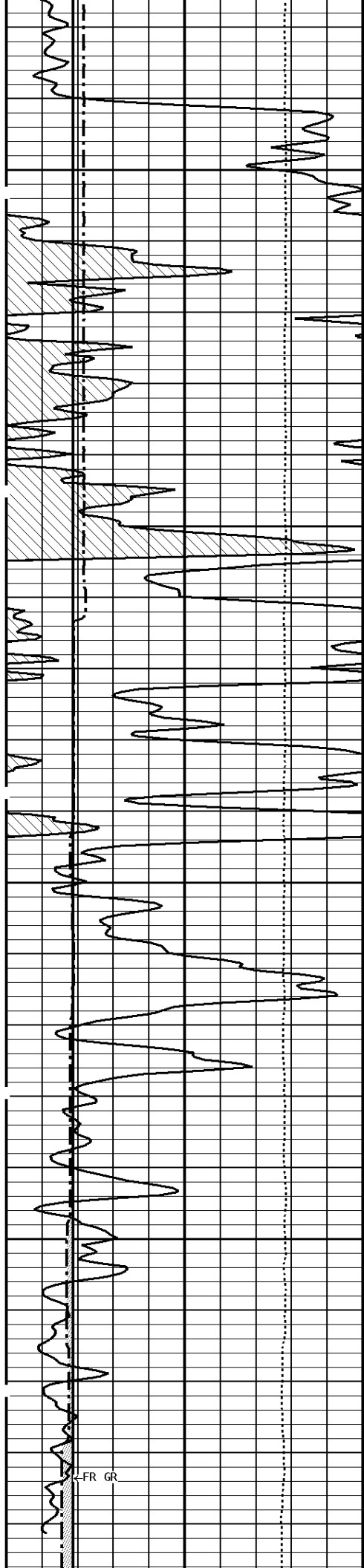




3500

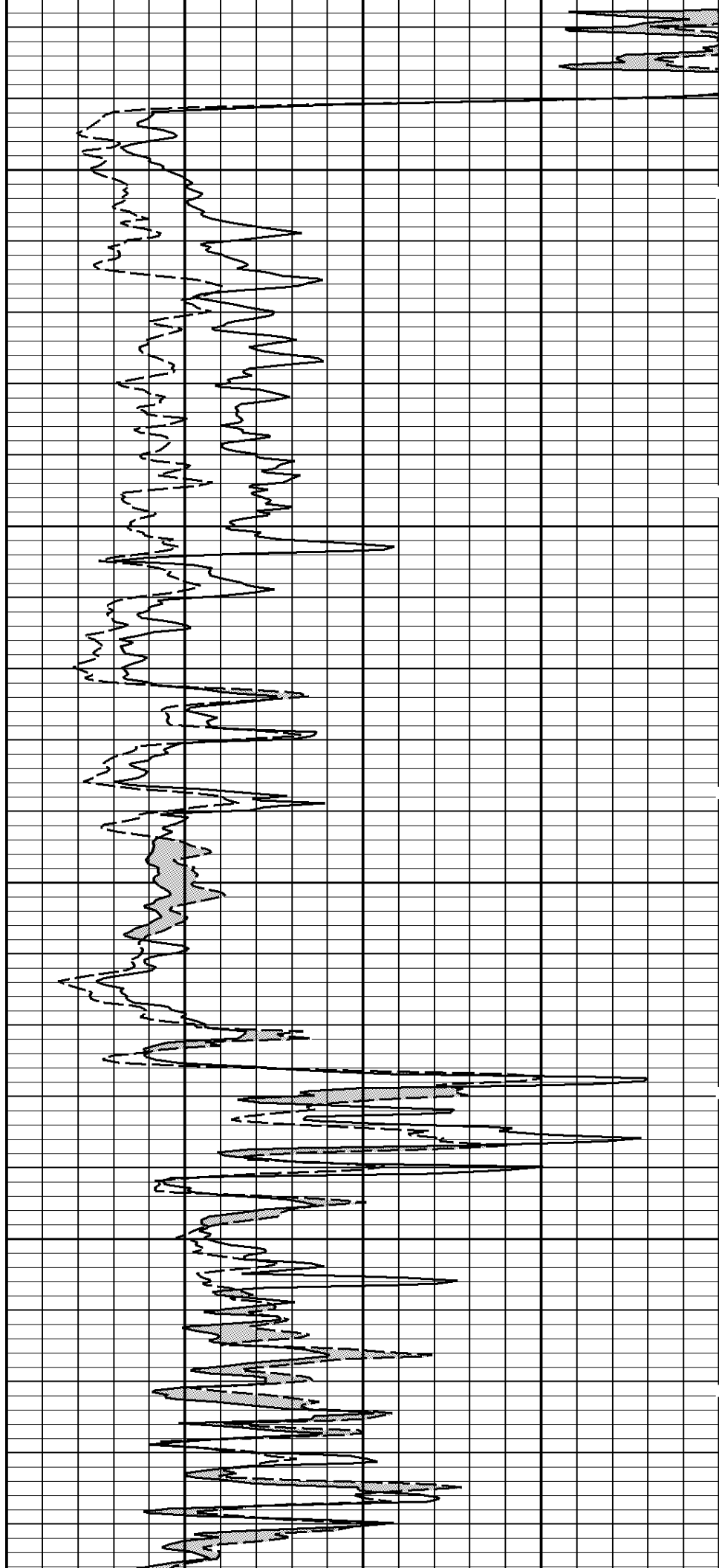
3600

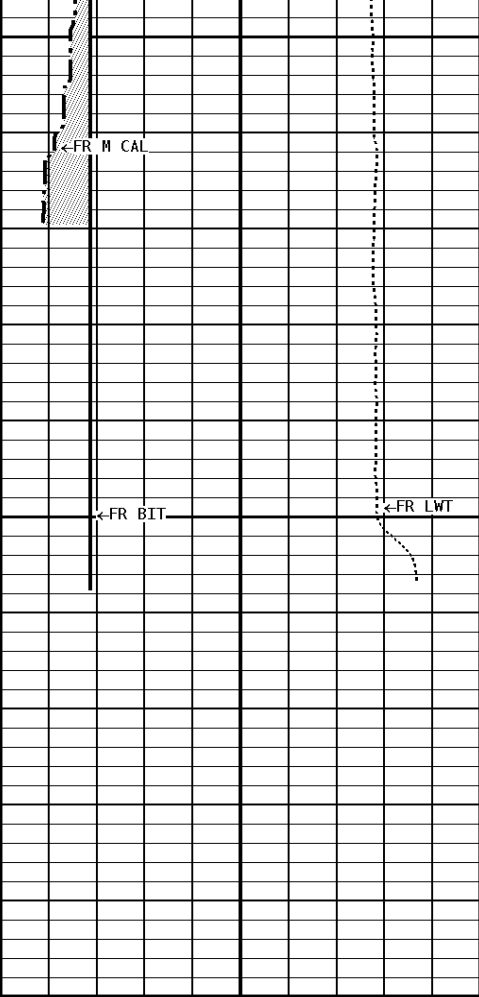




3700

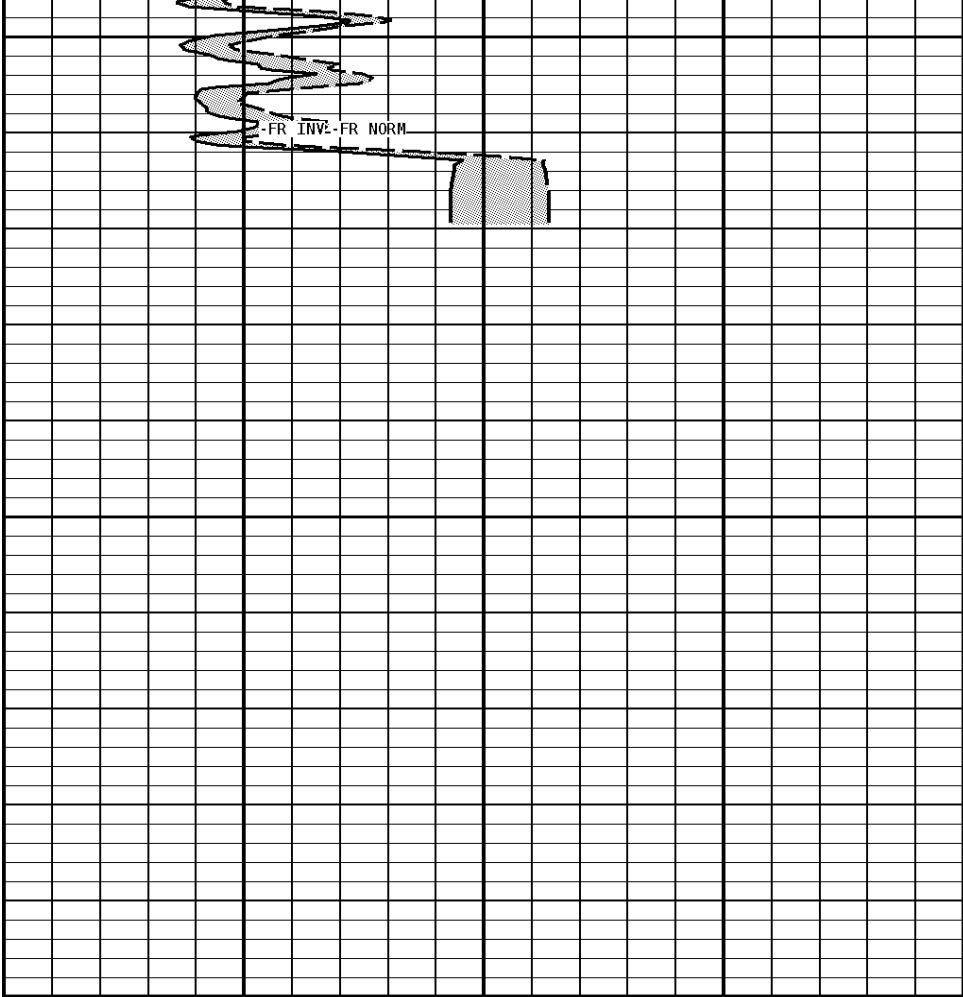
3800





3900

File #1.1.6



1:240 MAIN SECTION

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

NORMAL OHMM	
0	40
INVERSE OHMM	
0	40

* Borehole Zone Factors *

Zone 1 99999.0 to 0.0 Feet		
Drill Bit Size		7.875 in
MSTNG Normal Correction		0.00 ohm/m
MSTNG Inverse Correction		0.00 ohm/m

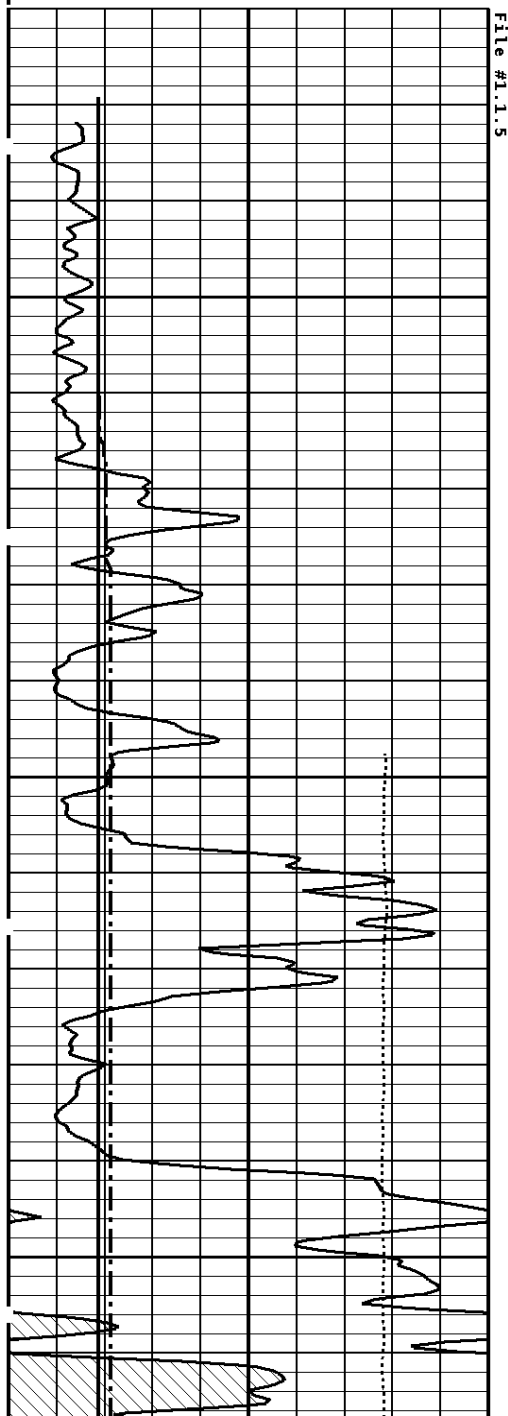
Well File: AND HAY 1 FEB 1 QUINT	Scale: 1:240
Segment: V1.D1.S5 REPEAT	Acquired: 2013-02/01 05:30 3.2.0-11401
Reference: 0	Processed: 2013-02/01 07:47 3.2.0-11401

BIT SIZE

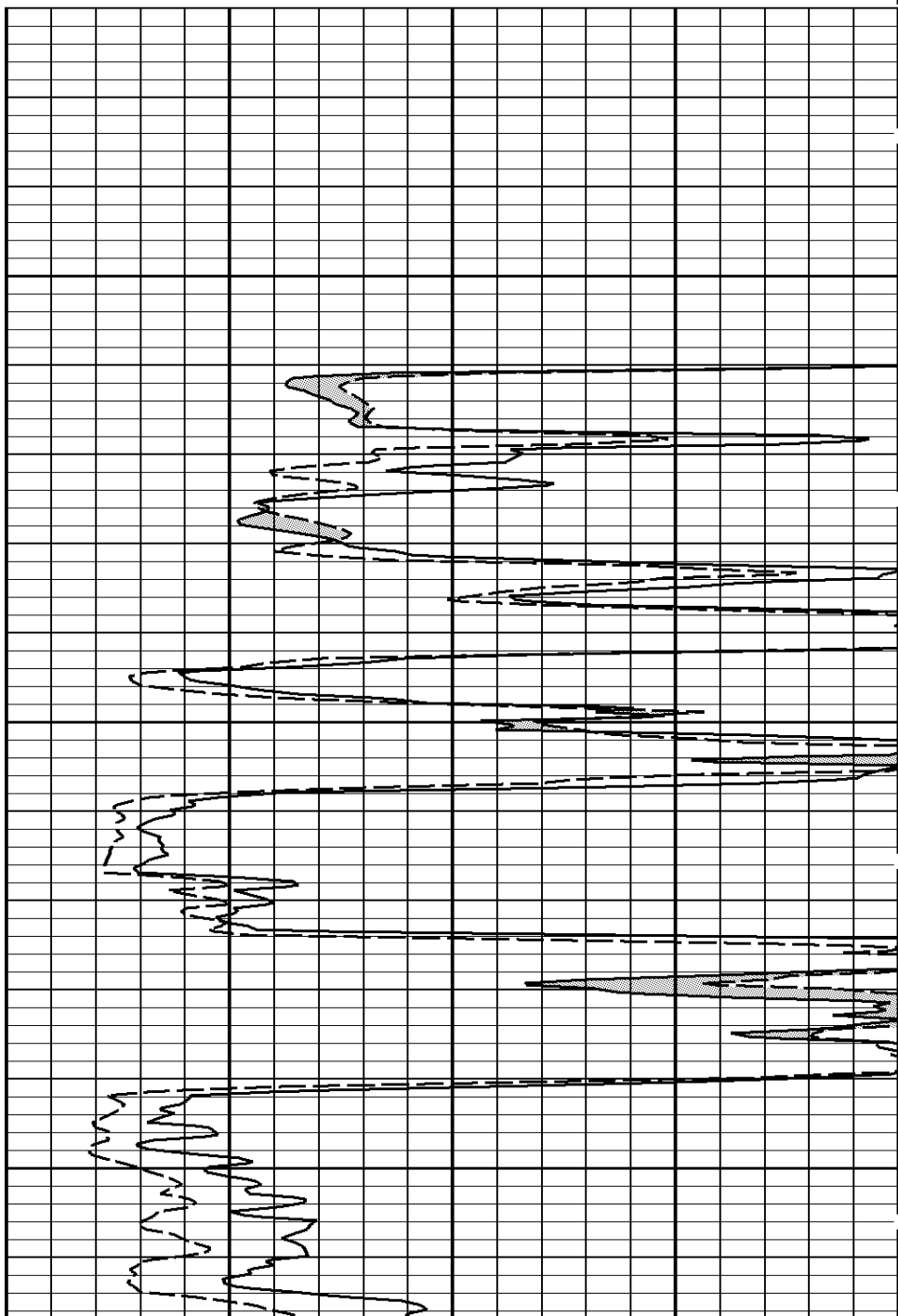
INCHES (IN)	
6	16
CALIPER MICRO INCHES (IN)	
16	26
6	16
TENSION LBS	
10000	0
GAMMA RAY API UNITS	
150	300
0	150

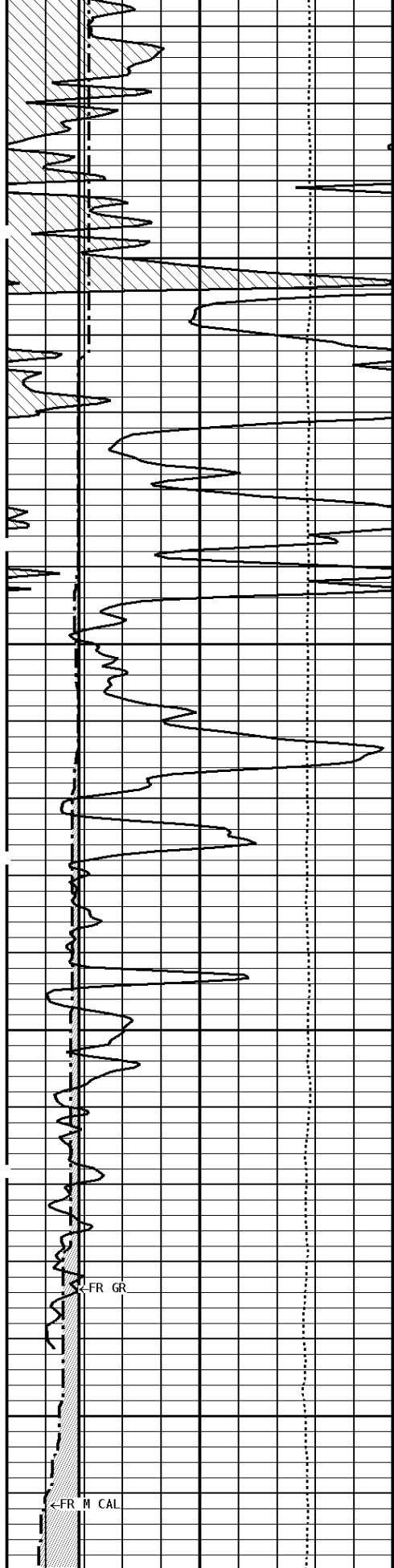
INVERSE OHMM	
0	40
NORMAL OHMM	
0	40

1:240 REPEAT SECTION



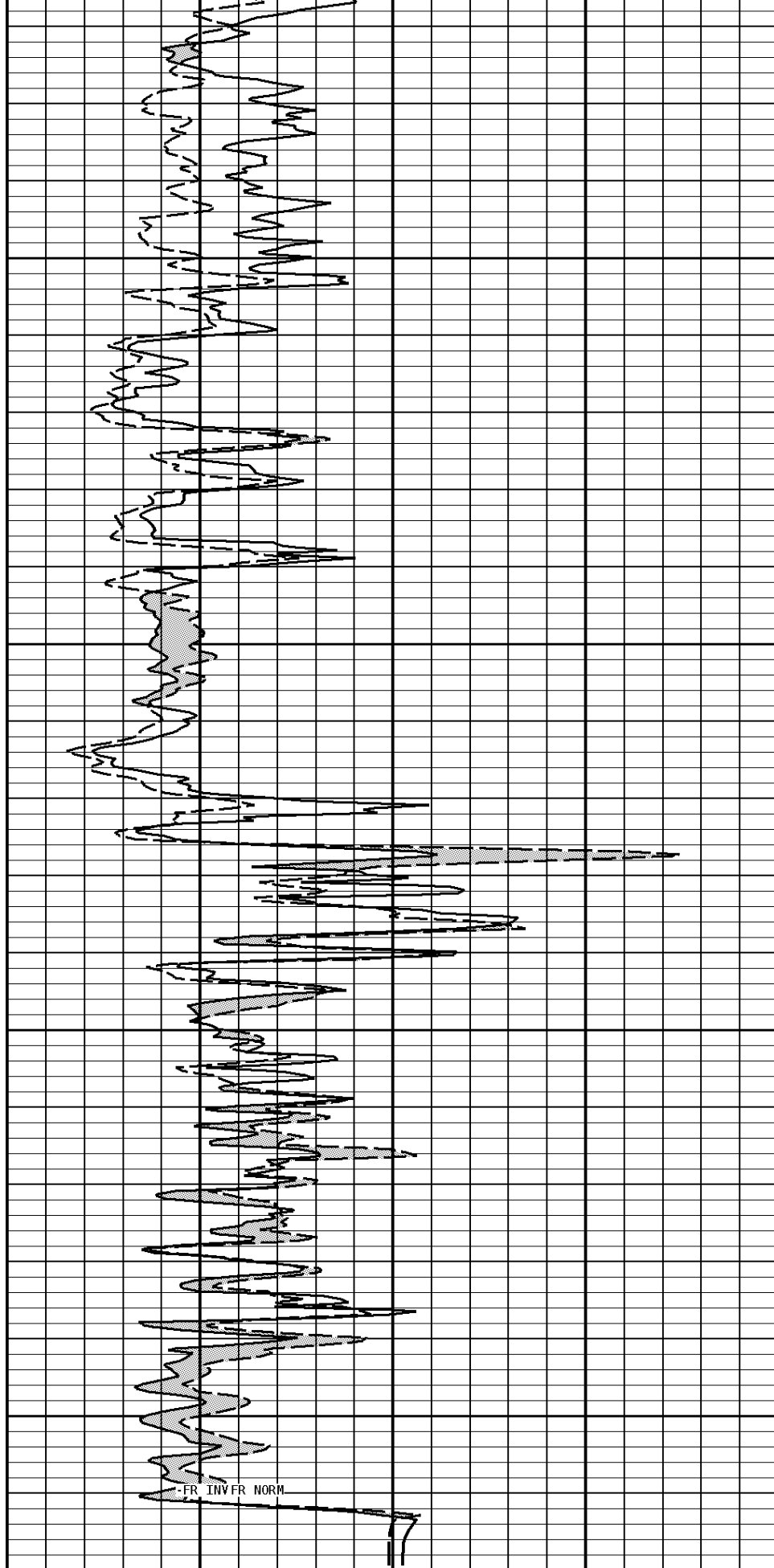
3600

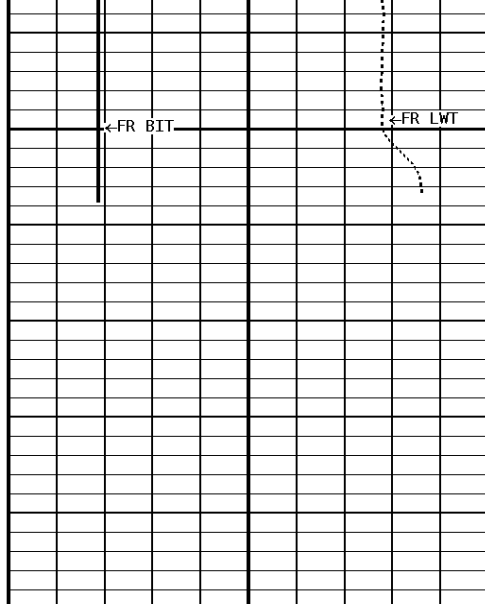




3700

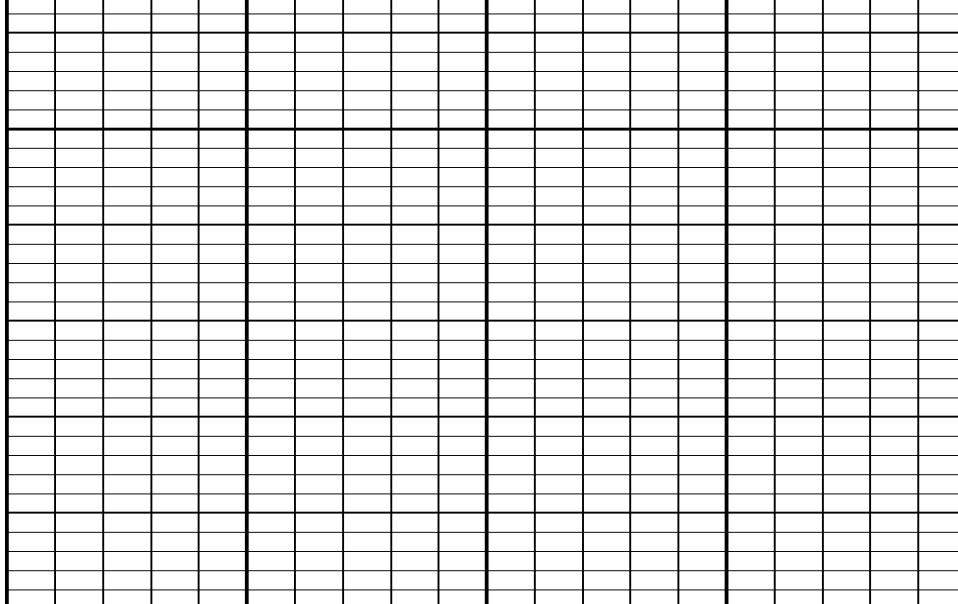
3800





3900

File #1.1.5



1:240 REPEAT SECTION

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

NORMAL OHMM	
0	40
INVERSE OHMM	
0	40

* Borehole Zone Factors *

Zone 1 99999.0 to 0.0 Feet			
Drill Bit Size		7.875	in
MSTNG Normal Correction		0.00	ohm/m
MSTNG Inverse Correction		0.00	ohm/m

* Calibration Summary *

Shop Calibration GRT-B					
Performed : 04-SEP-2012			Time : 19:28		
Sensor Suite : GR-GR5			ID : GRT-BC-41		
	Measured	Units	Calibrated	Units	
GR	Background	Jig	Jig		
	46	346	CPS	175	GRAPI
Shop Calibration MST-DA					
Performed : 01-OCT-2012			Time : 10:58		
Sensor Suite : CALI-MSN			ID : MST-DA-36		
	Jig - Measured		Jig - Calibrated	Units	
	Ring#1 Ring#2		Ring#1 Ring#2		
CL # 1	7.0 11.8		6.0 12.0	IN.	

Performed : 01-OCT-2012
Sensor Suite : MSTDA-NI

Time : 09:18
ID : MST-DA-36

	Internal			Calibrated		
	Zero	Measured Reference	Units	Zero	Reference	Units
INV-V	221.0	21282.7		0.00	1946.00	MV
NOR-V	164.0	21140.6		0.00	1546.00	MV
IN-C	157.3	21367.2		0.00	15.46	UA
INV-R					40.71	OHMM
NOR-R					55.11	OHMM



Tucker
ENERGY SERVICES

Company: ANDERSON ENERGY, INC
Well: HAY #1
Location: 2310' FNL & 2240' FEL
Logged: 2013-02-01
K.B. Elev: 1291.0 Ft