

Tucker
ENERGY SERVICES

MICRO
LOG

Company ANDERSON ENERGY, INC
Well PELTON A #1
Field WILDCAT
County ROOK
State KANSAS
Country USA
API No. 15-163-24095

File No : TUL-58830
Company : ANDERSON ENERGY, INC
Well : PELTON A #1
Field : WILDCAT
County : ROOK
State : KANSAS
Country : USA
API No : 15-163-24095

Location :
 1196' FSL & 1230' FWL
 SE NE NW SW

LSD : **Sect** : 23 **Twp** : 10S **Rge** : 19W

Permanent Datum:	GL	Elevations:		Services:	
Drilling Measured From:	KB	KB 2137.00	Ft	GRT	MLT
Log Measured From:	KB	DF 2136.00	Ft	CNT	CST
Above Permanent Datum:	10.00 Ft	GL 2127.00	Ft	LDT	PIT
Date	12-18-2012				
Run Number	1				
Depth--Driller	3739.0	Ft			
Depth--Logger	3738.0	Ft			
First Reading	3701.0	Ft			
Last Reading	279.0	Ft			
Casing--Driller	279.0	Ft			
Casing--Logger	279.0	Ft			
Bit Size	7.875	In			
Casing Size	8.625	In			
Hole Fluid Type	WBM				
Density	9.2 LBS/GAL				
Fluid Loss	7.6 CC				
PH/Viscosity	10.0	MEASURED	55.0 SEC		
Sample Source	MEASURED				
RM@Measured Temp.	0.700	@ 60	F		
RMF@Measured Temp	0.600	@ 60	F		
RMG@Measured Temp.	0.810	@ 60	F		
Source RMF/RMC	CALCULATED/CALCULATED				
RM@BHT	0.460	@ 95	F		
Time Circulation Stopped					
Max Recorded Temp.	95	F			
Equipment/Base	TRK 127	TULSA			
Recorded By	SHELDON TYLER, ZACK HICKMAN				
Witnessed By	ROGER MARTIN				

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	3739.00	8.625	24.00	279.00

Run Number	1	
Date	12-18-2012	
Date/Time On Bottom	12-18-2012 2:30 pm	
Depth to Fluid	0.0	Ft
Salinity	0.000	PPM
RMF@BHT	0.390 @ 95	F
RMC@BHT	0.530 @ 95	F

Run Number 1

Comments

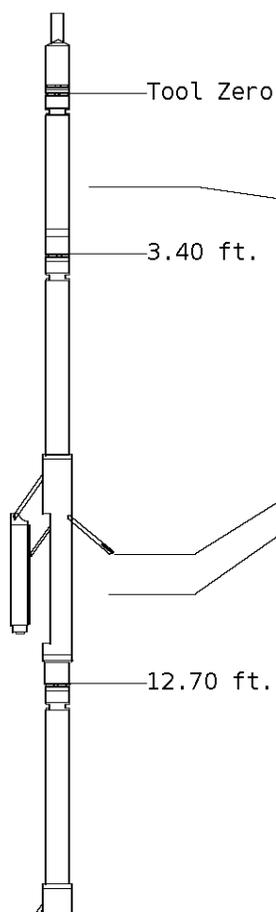
ALL PRESENTATIONS AS PER CUSTOMER REQUEST
 GRT, CNT, LDT, MLT, CST AND PIT RUN IN COMBINATION.
 CALIPERS ORIENTED ON X-Y AXIS.
 2.71 G/CC USED TO CALCULATED POROSITY.
 ANNULAR HOLE VOLUME CALCULATED USING 5.500" PRODUCTION CASING.
 PHIN IS CALIPER CORRECTED

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, CIRD

OPERATORS:
 J. THOMAS
 P. JACOBS

Tool String Schematic

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



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

Sonde ID :GRT-BC-43

Measure Point	Tool Offset	Stack Offset	Bottom Offset
GRP	2.00	2.00	65.37

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

Sonde ID :NDT-AE-403

Source ID :N-1044

Pad ID :CNP-AA-103

Measure Point	Tool Offset	Stack Offset	Bottom Offset
CLCN	6.00	9.40	57.97
PHIN	6.80	10.20	57.17

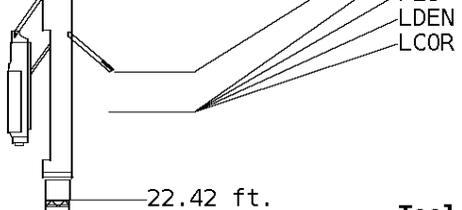
Tool: LDT-DF **Length:** 9.72 ft. **O.D.** 4.80 in.
 Litho Density D Pad on NDT-F

Sonde ID :PDT-GA-469

Source ID :CSV-587

Pad ID :LDP-DA-02

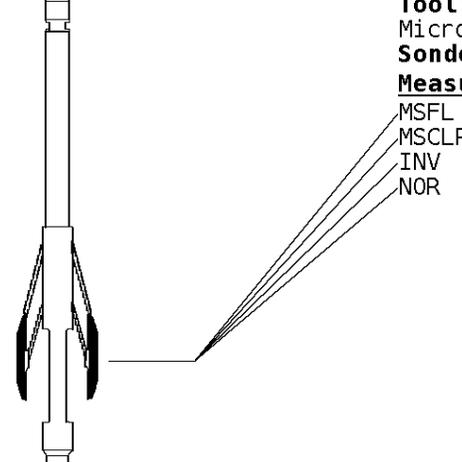
Measure Point	Tool Offset	Stack Offset	Bottom Offset
CLLD	6.42	19.12	48.25
PEL	7.42	20.12	47.25
PES	7.82	20.52	46.85



7.62 20.32 47.05
 7.62 20.32 47.05

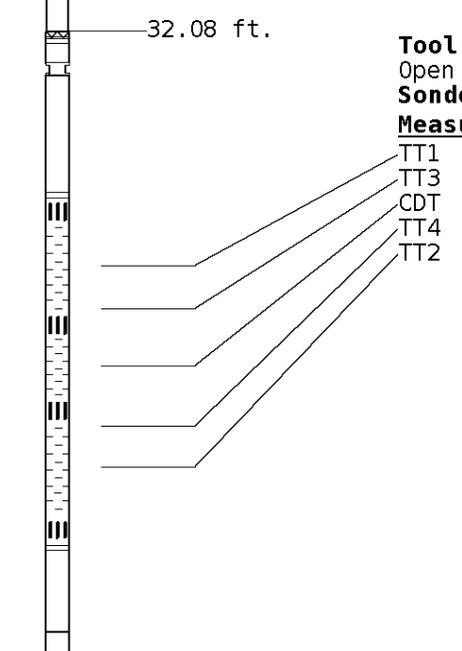
Tool: MST-DA **Length:** 9.66 ft. **O.D.** 6.00 in.
 Micro Spherically Focused (IC)
Sonde ID :MST-DA-28

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



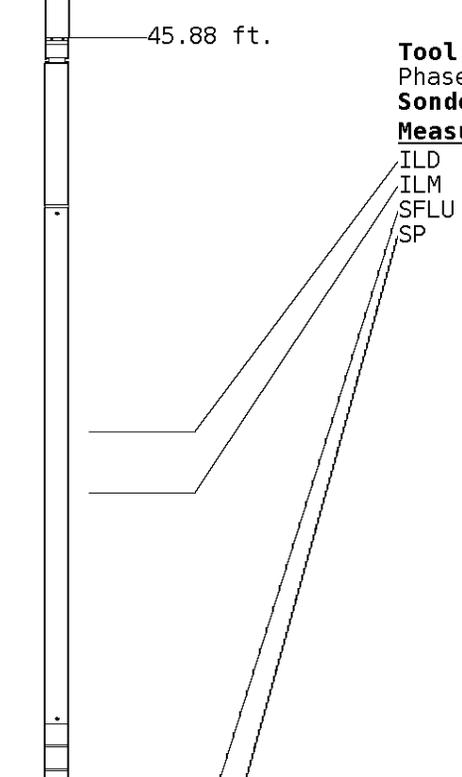
Tool: CST-AD **Length:** 13.80 ft. **O.D.** 3.60 in.
 Open Hole Sonic
Sonde ID :CST-AB-012

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



Tool: PIT-CA **Length:** 21.49 ft. **O.D.** 3.62 in.
 Phased Dual Induction w/ RM & D
Sonde ID :PIT-AC-13

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.

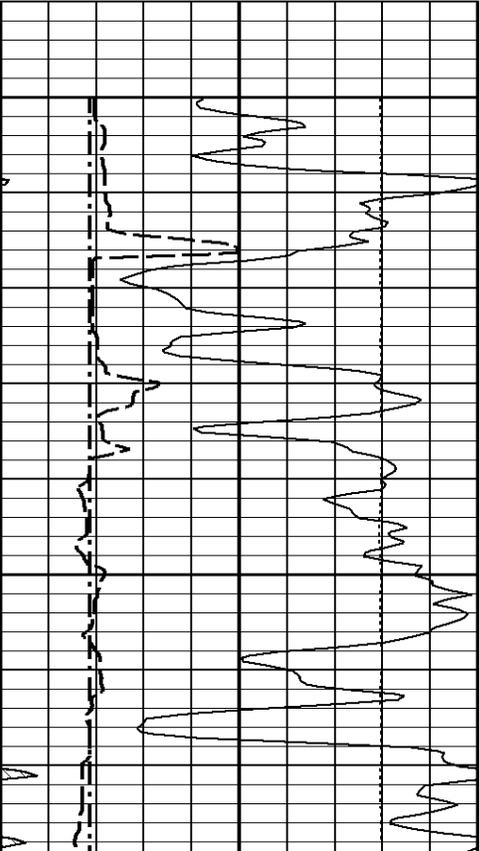
Well File: AND_PEL_1 DEC 18 QUINT
 Segment: V1.D1.S6 MAIN
 Reference: 0

Scale: 1:240
 Acquired: Not Available
 Processed: 2012-12/18 16:41 3.2.0-11401

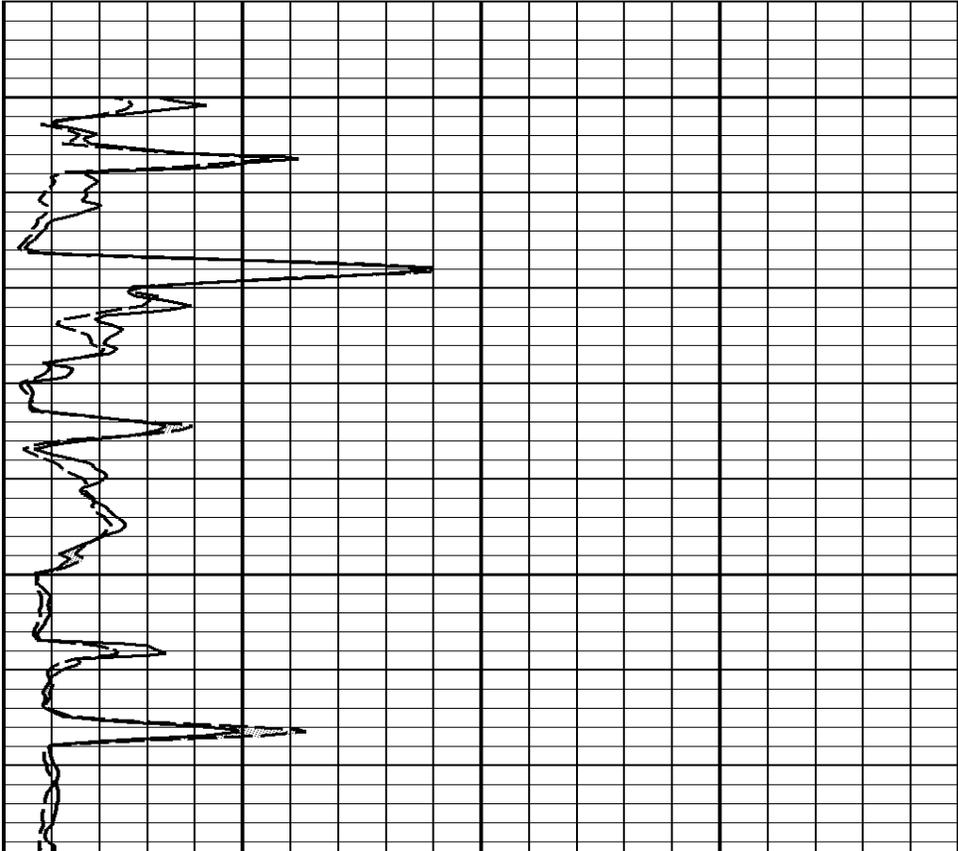
TENSION LBS	
10000	0
BIT SIZE INCHES (IN)	
6	16
GAMMA RAY API UNITS	
150 0	300 150
CALIPER MICRO INCHES (IN)	
16 6	26 16

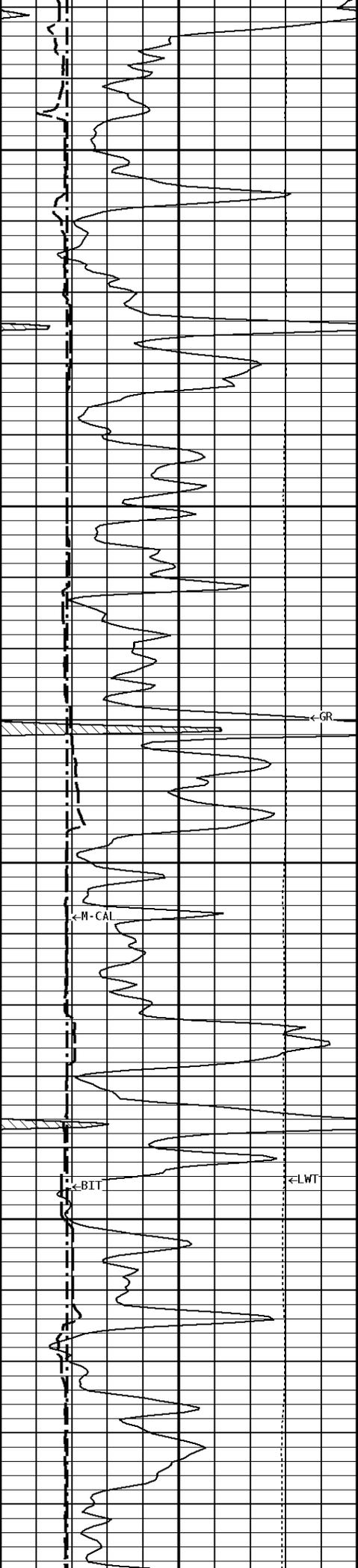
MICRO-INVERSE OHMM	
0	40
MICRO-NORMAL OHMM	
0	40

1:240 MAIN SECTION



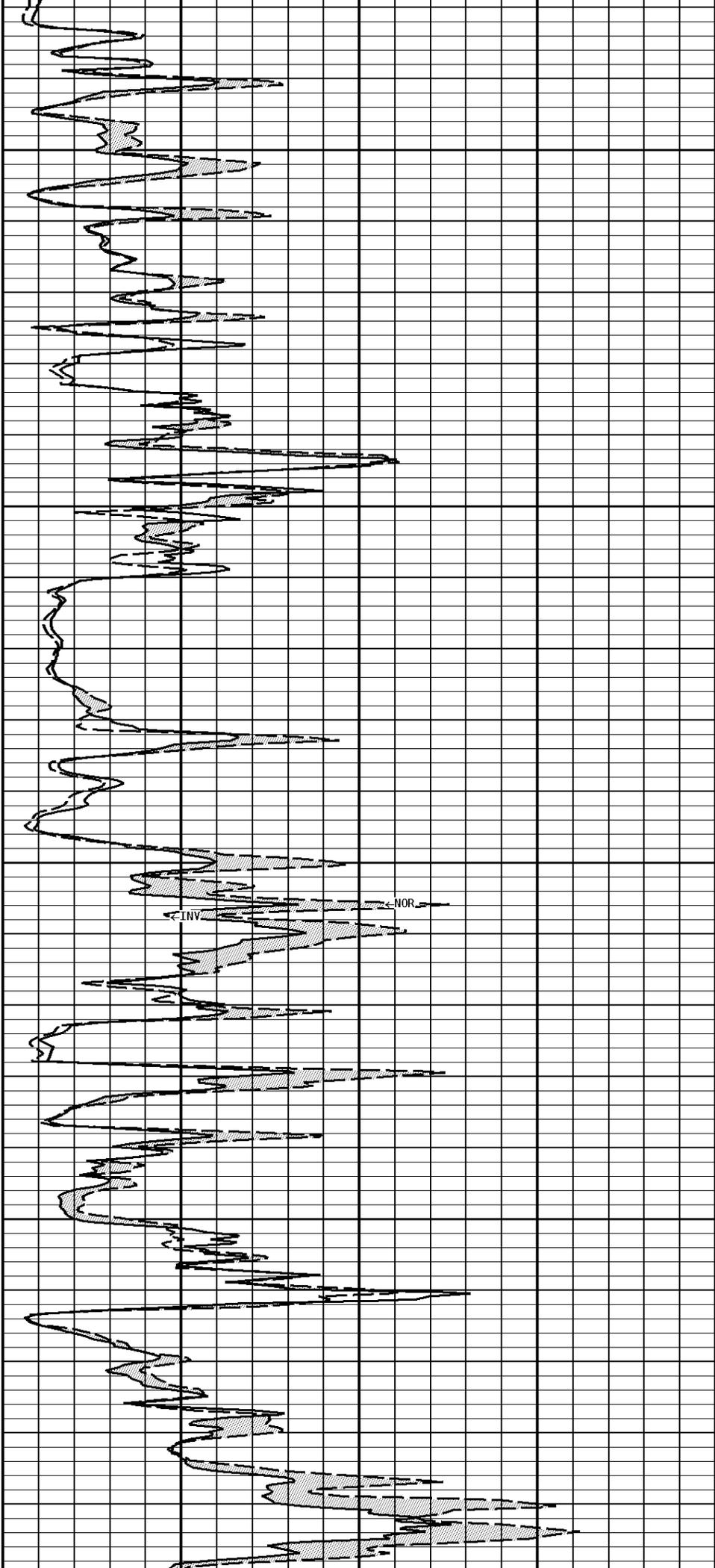
3000





3100

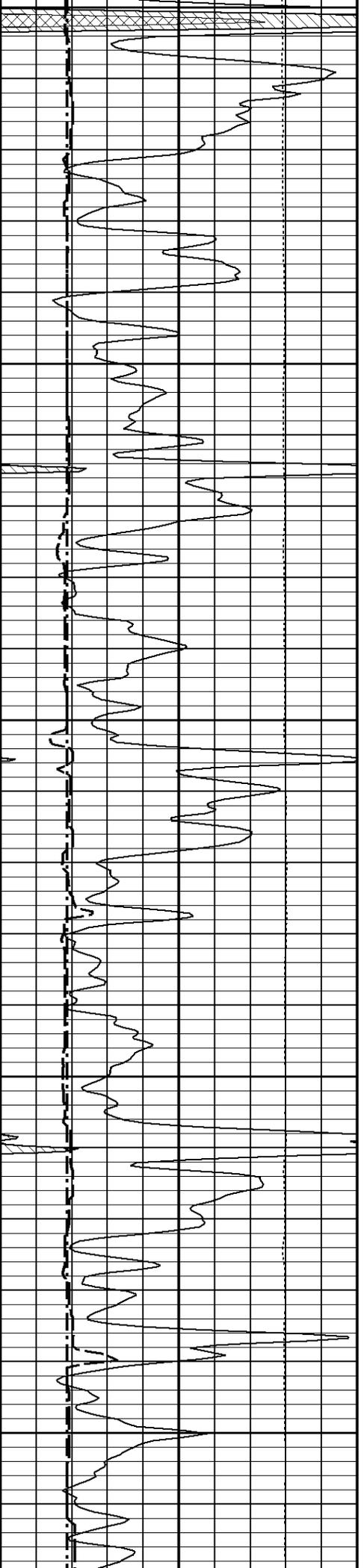
3200



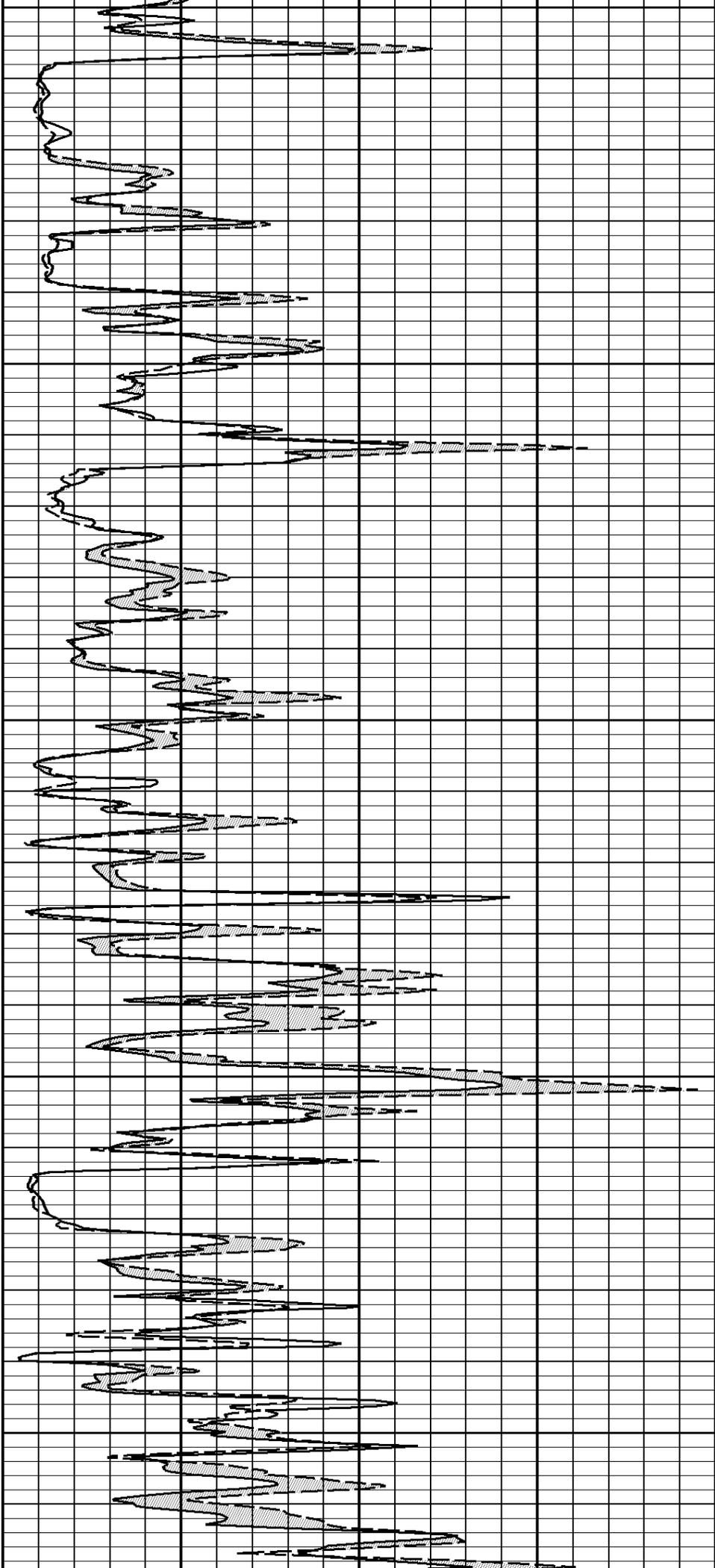
INV

HOR

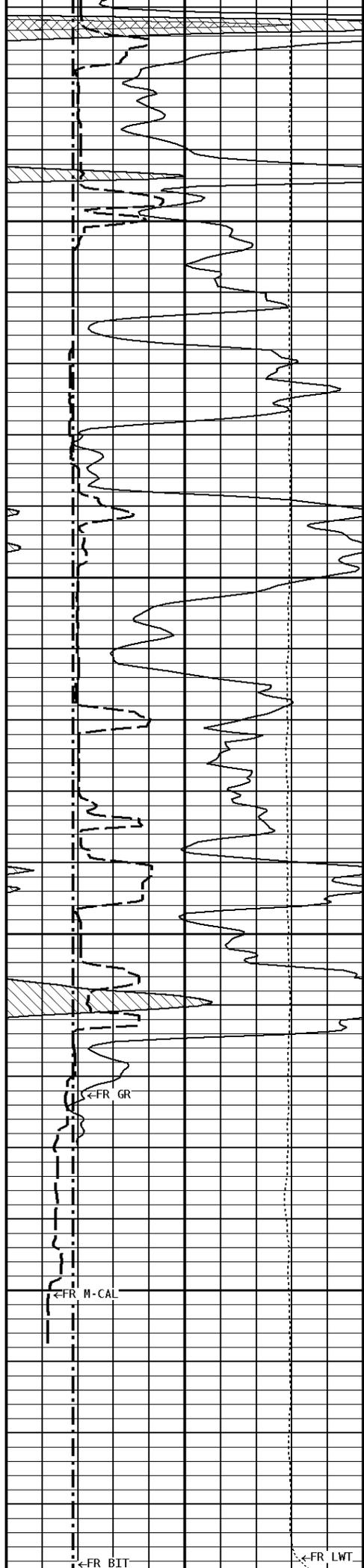
3300



3400



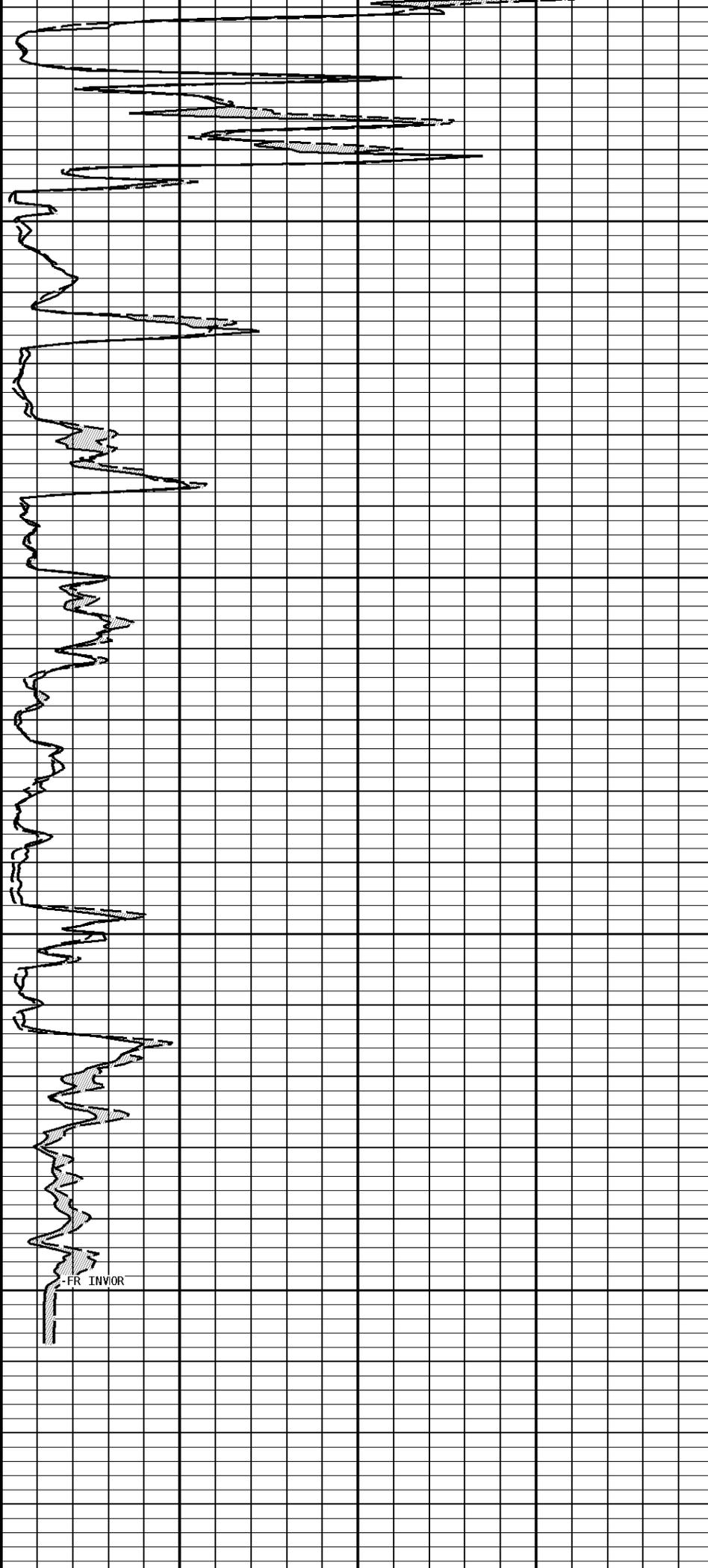
3500



3600

3700

3738



←FR GR

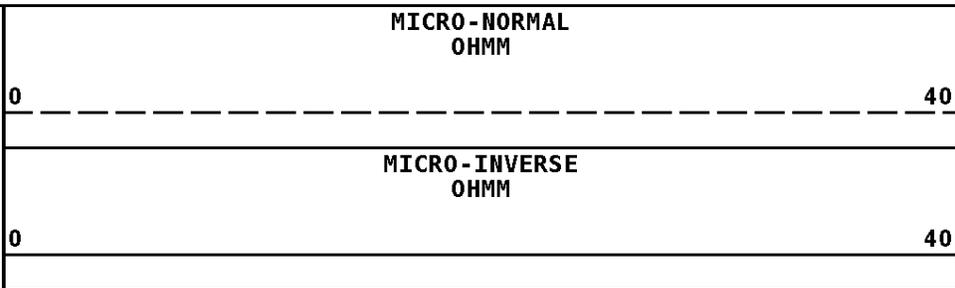
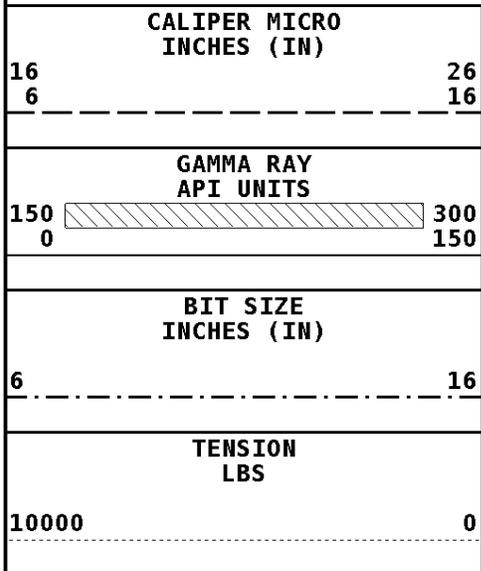
←FR M-CAL

←FR BIT

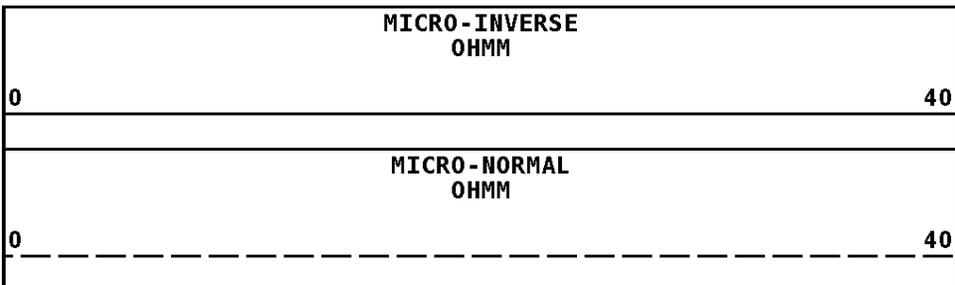
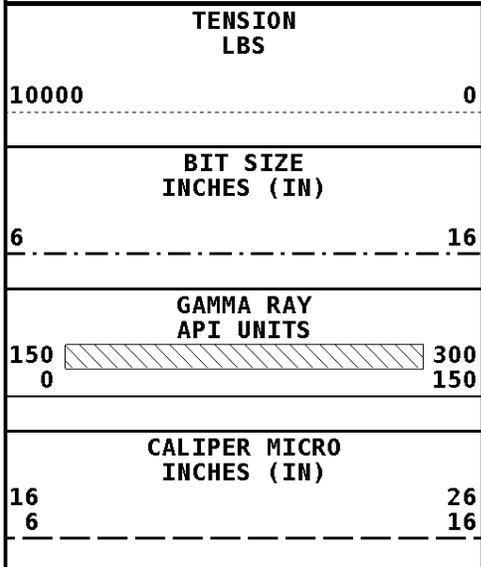
←FR LWT

←FR INVOR

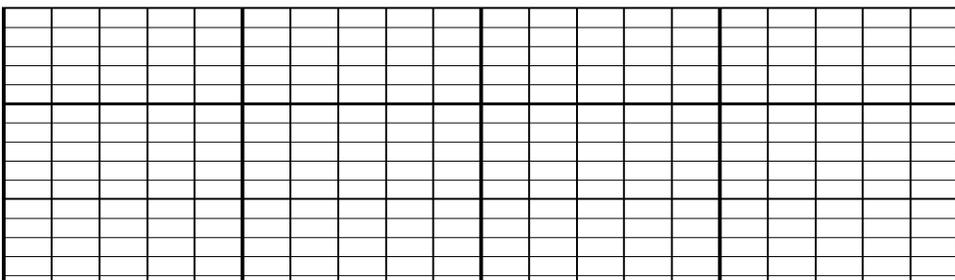
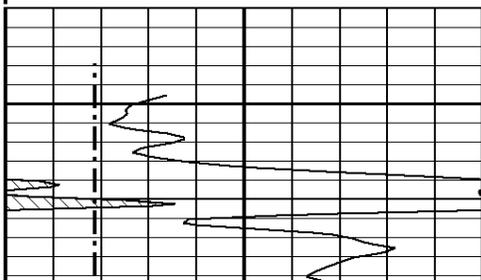
1:240 MAIN SECTION

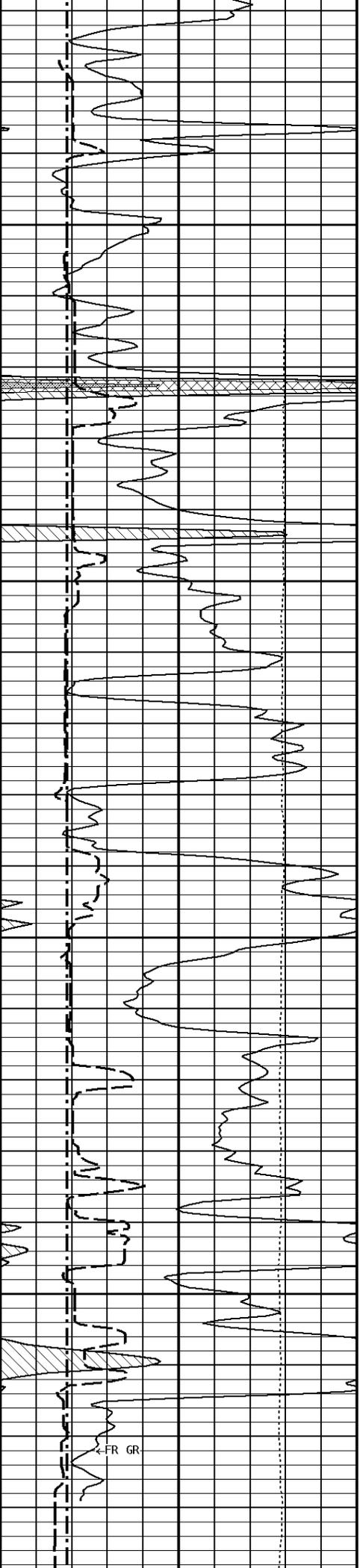


Well File: AND PEL 1 DEC 18 QUINT **Scale:** 1:240
Segment: V1.D1.S3 RE **Acquired:** 2012-12/18 14:27 3.2.0-11401
Reference: 0 **Processed:** 2012-12/18 14:40 3.2.0-11401



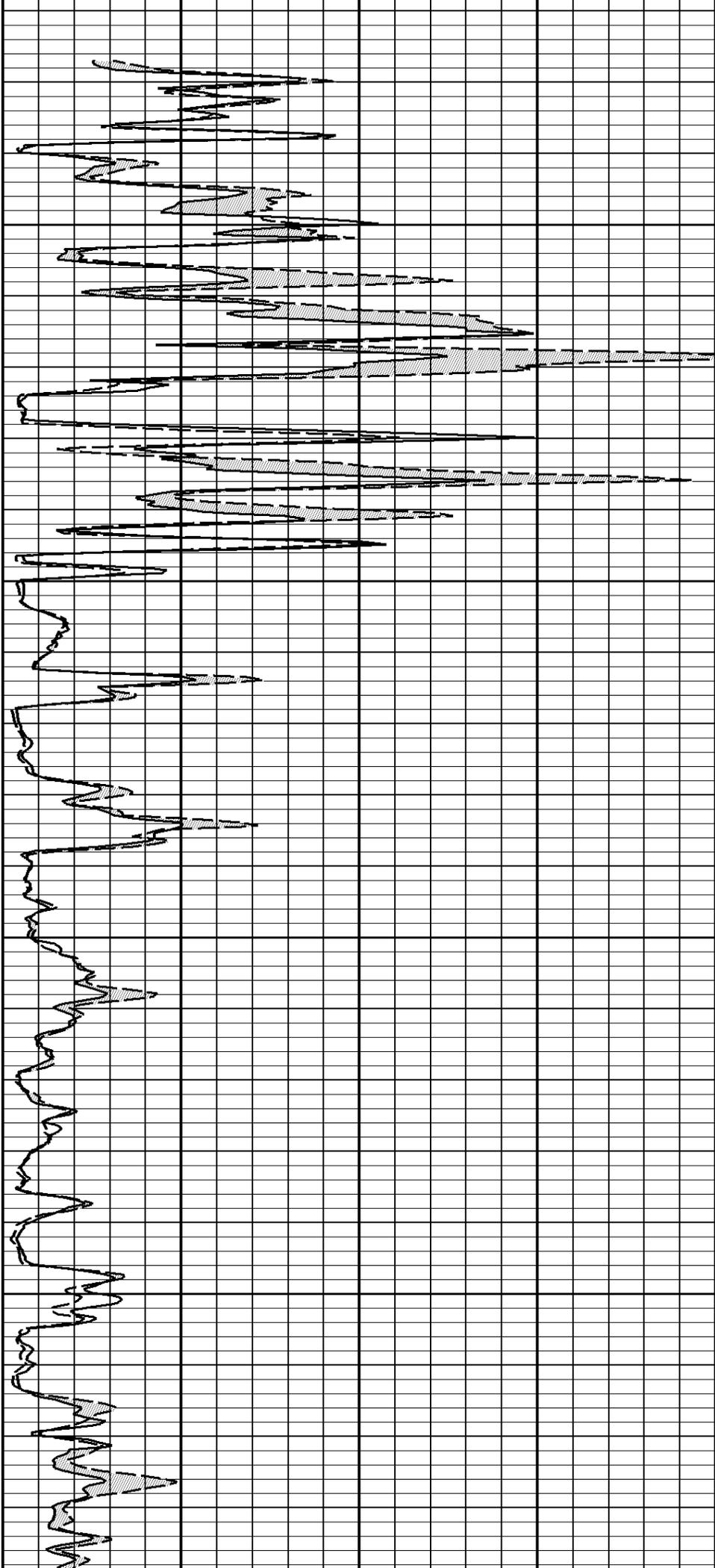
1:240 REPEAT SECTION

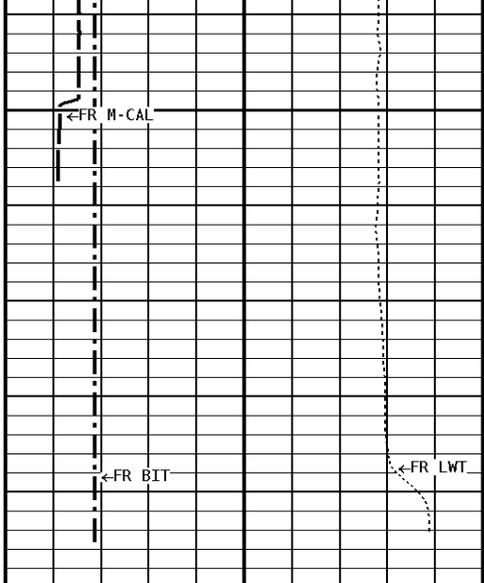




3500

3600

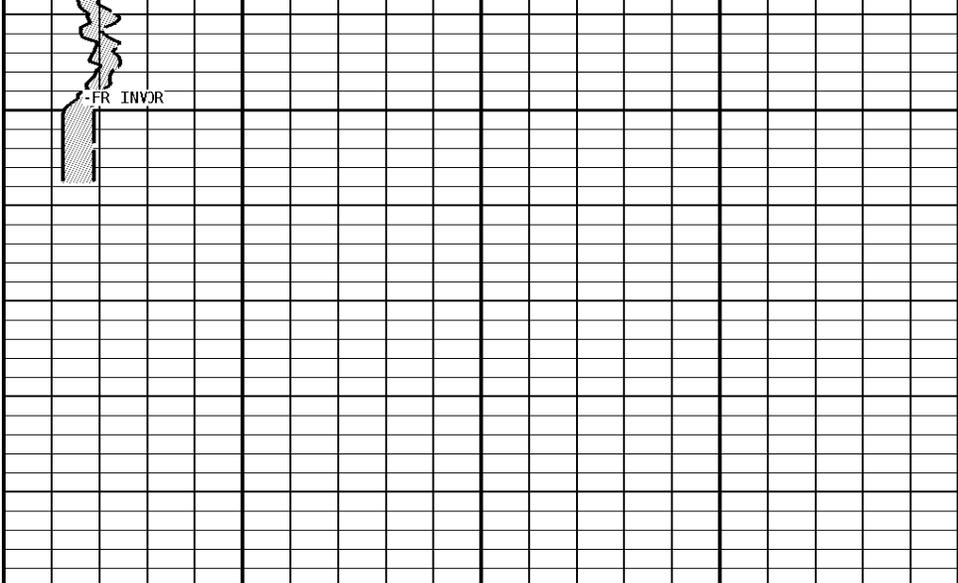




File #1.1.3

3700

3738



1:240 REPEAT 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

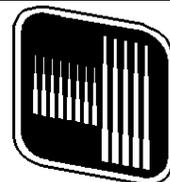
*** Calibration Summary ***

Shop Calibration GRT-B					
Performed : 18-NOV-2012			Time : 10:33		
Sensor Suite : GR-GR5			ID : GRT-BC-43		
	Measured	Units	Calibrated	Units	
GR	Background Jig	CPS	Jig	GRAPI	
	46 309		175		
Shop Calibration MST-DA					
Performed : 14-NOV-2012			Time : 07:09		
Sensor Suite : CALI-MSN			ID : MST-DA-28		
	Jig - Measured		Jig - Calibrated	Units	
CL # 1	Ring#1 Ring#2		Ring#1 Ring#2	IN.	
	8.5 12.6		6.0 12.0		
Performed : 14-NOV-2012			Time : 07:59		
Sensor Suite : MSTDA-NI			ID : MST-DA-28		
	Measured	Internal	Calibrated	Units	
	Zero Reference	Units	Zero Reference	Units	
	01.1 20222.3		0.00 1546.00		

INV-V	91.1	29333.3	0.00	1546.00	MV	
NOR-V	162.3	30464.1	0.00	1446.00	MV	
IN-C	150.5	57531.9	0.00	15.46	UA	
INV-R				32.34	OHMM	
NOR-R				51.54	OHMM	
Performed : 14-NOV-2012			Time : 08:00			
Sensor Suite : MSTDAMSF			ID : MST-DA-28			
Internal						
	Zero	Measured Reference	Units	Zero	Calibrated Reference	Units
MSFC	7.8	59332.4		0.00	1522.00	UA
MSFB	32757.0	32619.7		0.00	1522.00	MA
MOM1	0.0	62556.7		0.00	1522.00	MV
MSFRA				43.30		OHMM



Company: ANDERSON ENERGY, INC
Well: PELTON A #1
Location: 1196' FSL & 1230' FWL
Logged: 12-18-2012
K.B. Elev: 2137.0 Ft



Tucker
ENERGY SERVICES

COMPENSATED NEUTRON

PEL DENSITY LOG

Company ANDERSON ENERGY, INC
Well PELTON A #1
Field WILDCAT
County ROOK
State KANSAS
Country USA
API No. 15-163-24095

File No : TUL-58830
Company : ANDERSON ENERGY, INC
Well : PELTON A #1
Field : WILDCAT
County : ROOK
State : KANSAS
Country : USA
API No : 15-163-24095

Location :
 1196' FSL & 1230' FWL
 SE NE NW SW

LSD : **Sect** : 23 **Twp** : 10S **Rge** : 19W

Permanent Datum:	GL	Elevations:	Ft	Services:	
Drilling Measured From:	KB	KB 2137.00	Ft	GRT	MLT
Log Measured From:	KB	DF 2136.00	Ft	CNT	CST
Above Permanent Datum:	10.00 Ft	GL 2127.00	Ft	LDT	PIT
Date	12-18-2012				
Run Number	1				
Depth--Driller	3739.0	Ft			
Depth--Logger	3738.0	Ft			
First Reading	3701.0	Ft			
Last Reading	279.0	Ft			
Casing--Driller	279.0	Ft			
Casing--Logger	279.0	Ft			
Bit Size	7.875	In			
Casing Size	8.625	In			
Hole Fluid Type	WBM				
Density	9.2 LBS/GAL				
Fluid Loss	7.6 CC				
PH/Viscosity	10.0	MEASURED	55.0 SEC		
Sample Source	MEASURED				
RM@Measured Temp.	0.700	@ 60 F			
RMF@Measured Temp	0.600	@ 60 F			
RMG@Measured Temp.	0.810	@ 60 F			
Source RMF/RMG	CALCULATED/CALCULATED				
RM@BHT	0.460	@ 95 F			
Time Circulation Stopped					
Max Recorded Temp.	95	F			
Equipment/Base	TRK 127	TULSA			
Recorded By	SHELDON TYLER, ZACK HICKMAN				
Witnessed By	ROGER MARTIN				

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	3739.00	8.625	24.00	279.00

Run Number	1	
Date	12-18-2012	
Date/Time On Bottom	12-18-2012 2:30 pm	
Depth to Fluid	0.0	Ft
Salinity	0.000	PPM
RMF@BHT	0.390 @ 95	F
RMC@BHT	0.530 @ 95	F

Run Number 1

Comments

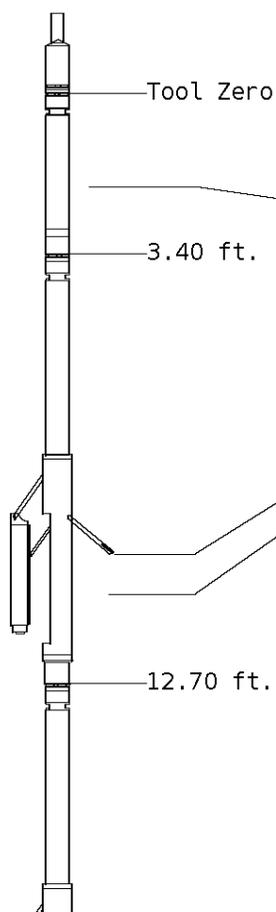
ALL PRESENTATIONS AS PER CUSTOMER REQUEST
 GRT, CNT, LDT, MLT, CST AND PIT RUN IN COMBINATION.
 CALIPERS ORIENTED ON X-Y AXIS.
 2.71 G/CC USED TO CALCULATED POROSITY.
 ANNULAR HOLE VOLUME CALCULATED USING 5.500" PRODUCTION CASING.
 PHIN IS CALIPER CORRECTED

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, CIRD

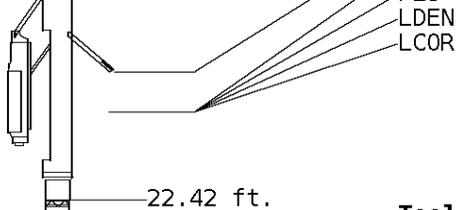
OPERATORS:
 J. THOMAS
 P. JACOBS

Tool String Schematic

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



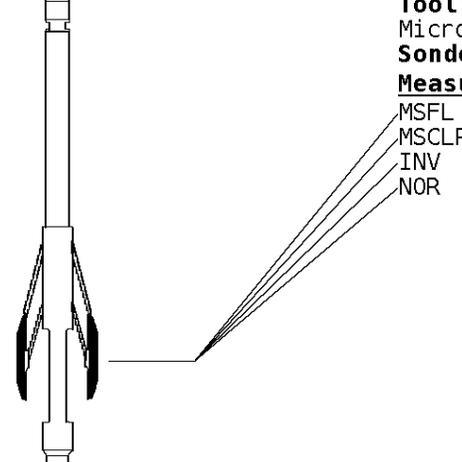
Tool: GRT-B		Length: 3.40 ft.	O.D.: 3.60 in.
Gamma Ray Controller			
Sonde ID :GRT-BC-43			
Measure Point	Tool Offset	Stack Offset	Bottom Offset
GRP	2.00	2.00	65.37
Tool: CNT-AA		Length: 9.30 ft.	O.D.: 4.36 in.
Compensated Neutron A Pad on NDT-A			
Sonde ID :NDT-AE-403			
Source ID :N-1044			
Pad ID :CNP-AA-103			
Measure Point	Tool Offset	Stack Offset	Bottom Offset
CLCN	6.00	9.40	57.97
PHIN	6.80	10.20	57.17
Tool: LDT-DF		Length: 9.72 ft.	O.D.: 4.80 in.
Litho Density D Pad on NDT-F			
Sonde ID :PDT-GA-469			
Source ID :CSV-587			
Pad ID :LDP-DA-02			
Measure Point	Tool Offset	Stack Offset	Bottom Offset
CLLD	6.42	19.12	48.25
PEL	7.42	20.12	47.25
PES	7.82	20.52	46.85



7.62 20.32 47.05
 7.62 20.32 47.05

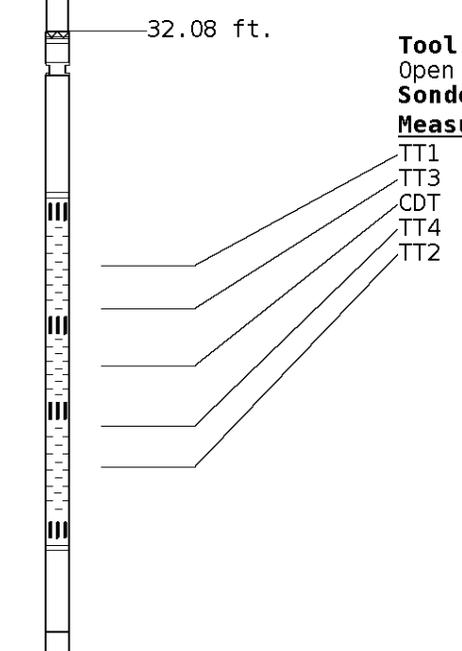
Tool: MST-DA **Length:** 9.66 ft. **O.D.** 6.00 in.
 Micro Spherically Focused (IC)
Sonde ID :MST-DA-28

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



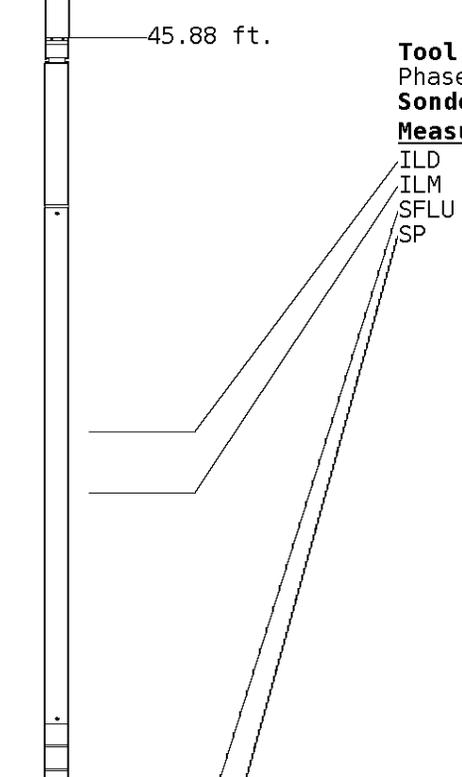
Tool: CST-AD **Length:** 13.80 ft. **O.D.** 3.60 in.
 Open Hole Sonic
Sonde ID :CST-AB-012

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



Tool: PIT-CA **Length:** 21.49 ft. **O.D.** 3.62 in.
 Phased Dual Induction w/ RM & D
Sonde ID :PIT-AC-13

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 PEL 1 DEC 18 QUINT

Scale: 1:240

Segment: V1.D1.S6 MAIN

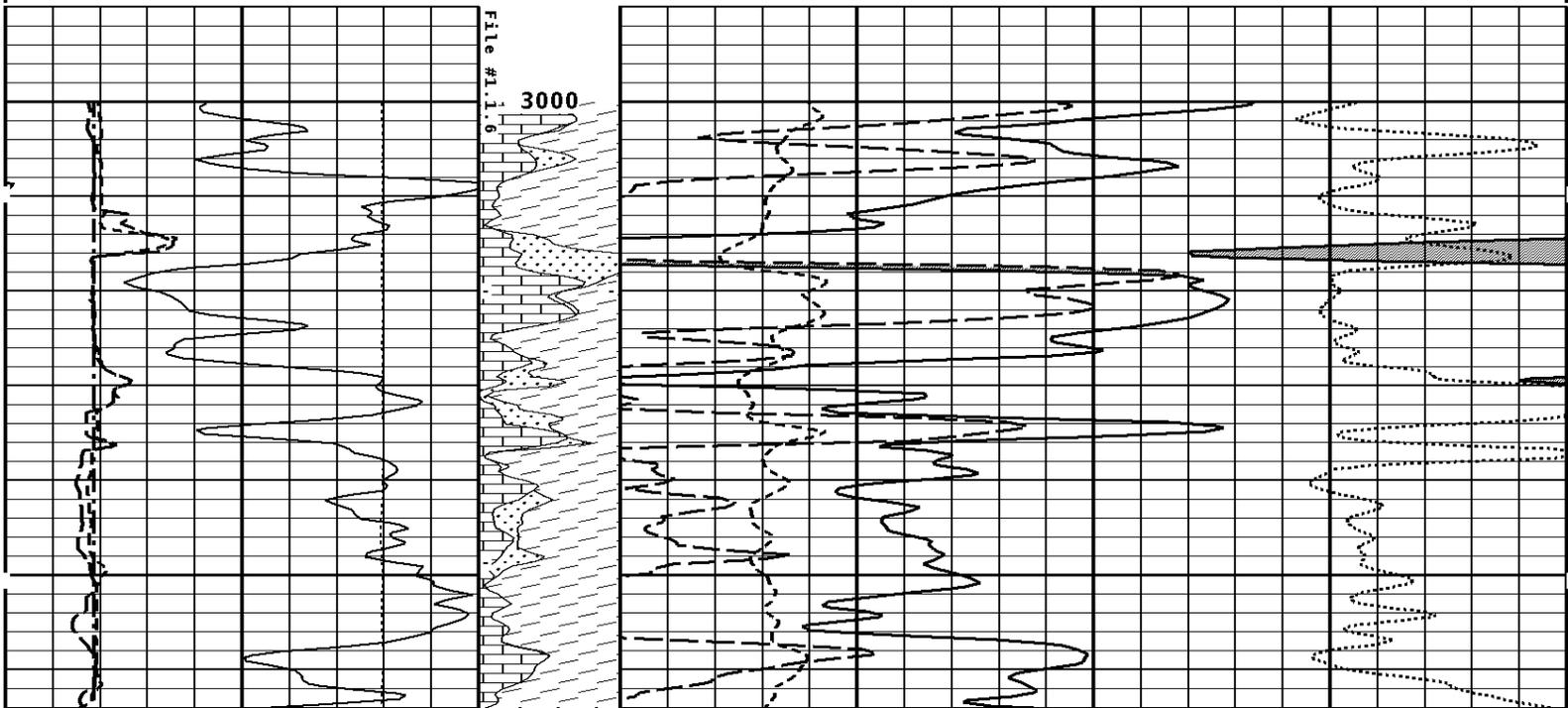
Acquired: Not Available

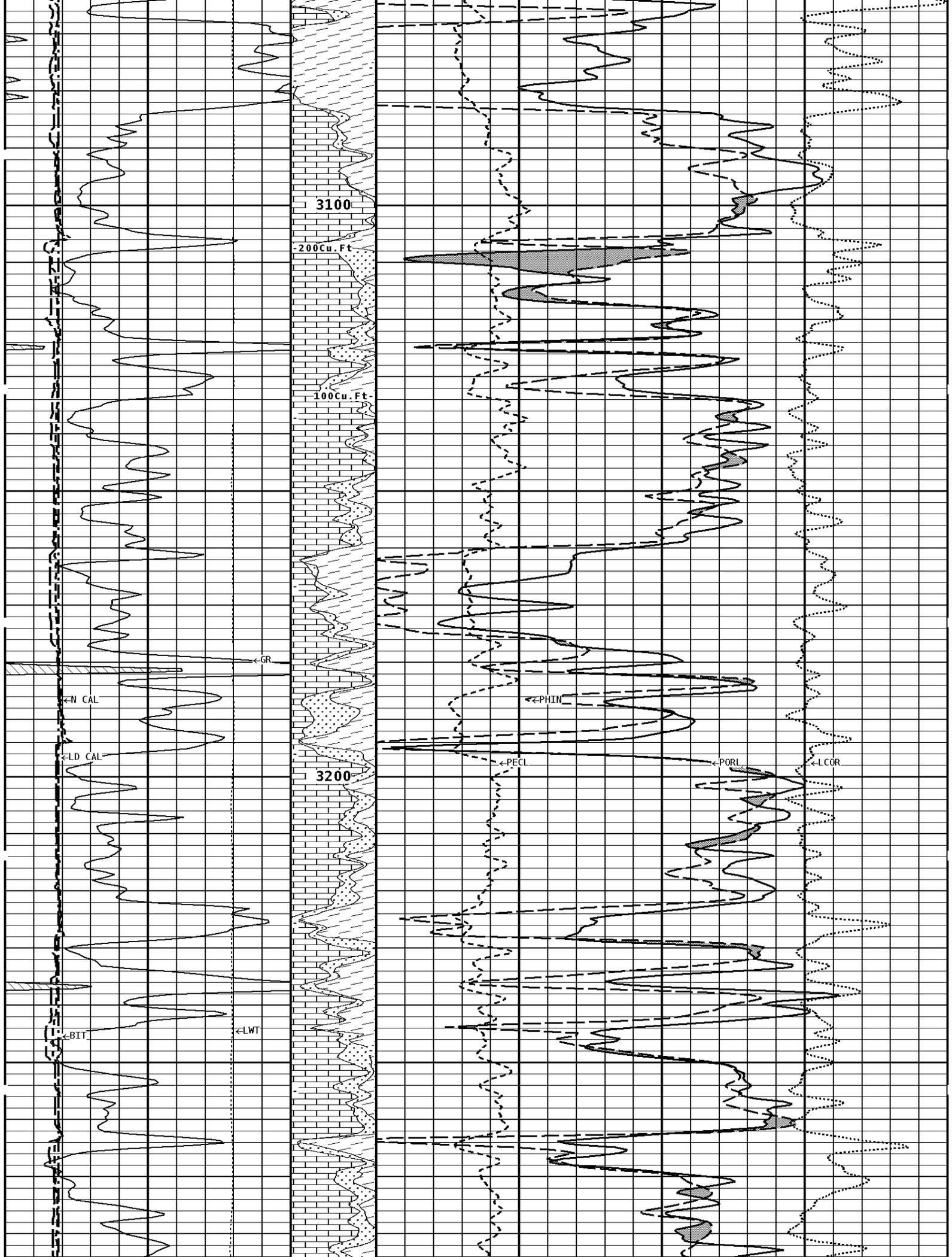
Reference: 0

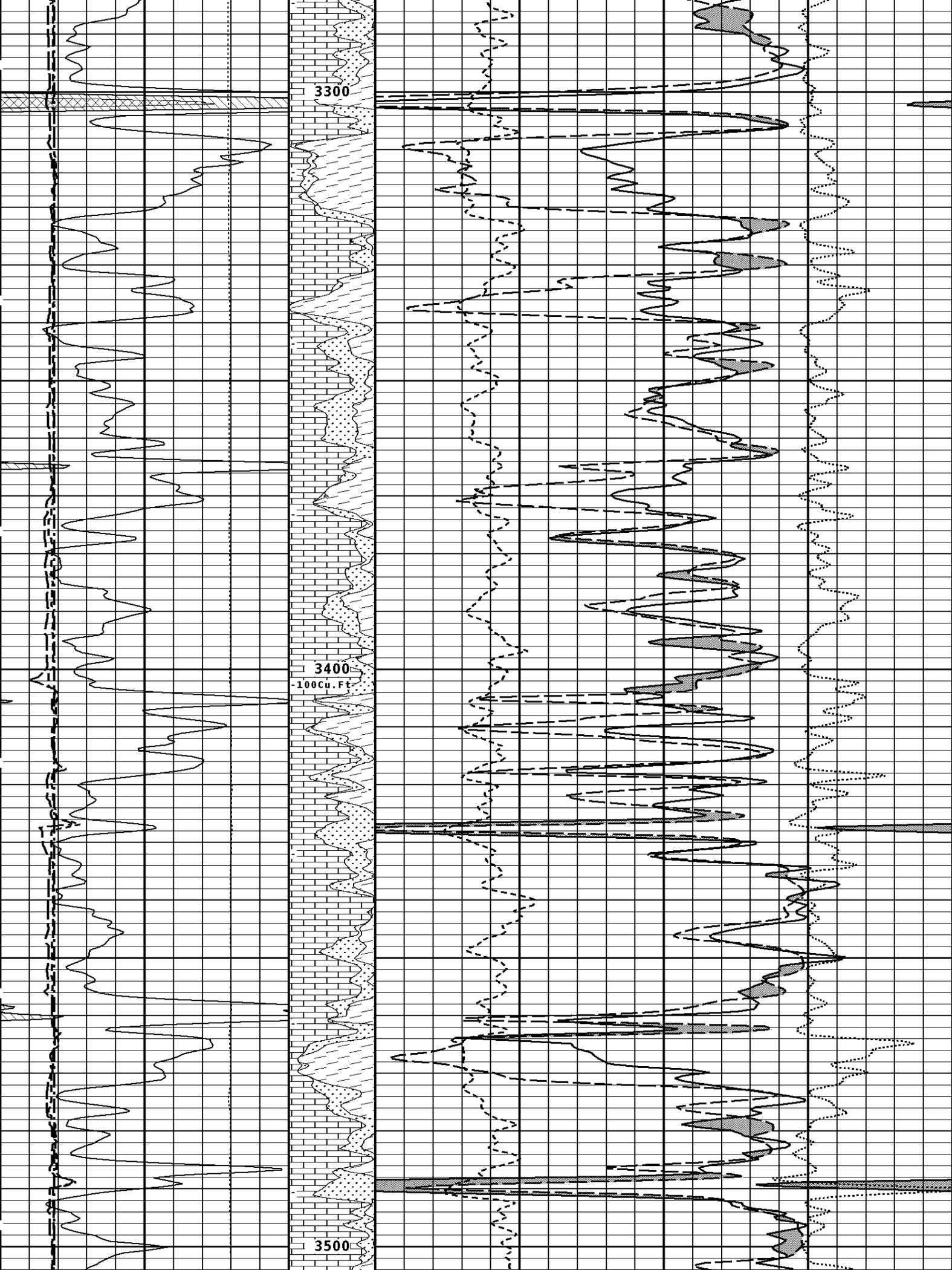
Processed: Not Available

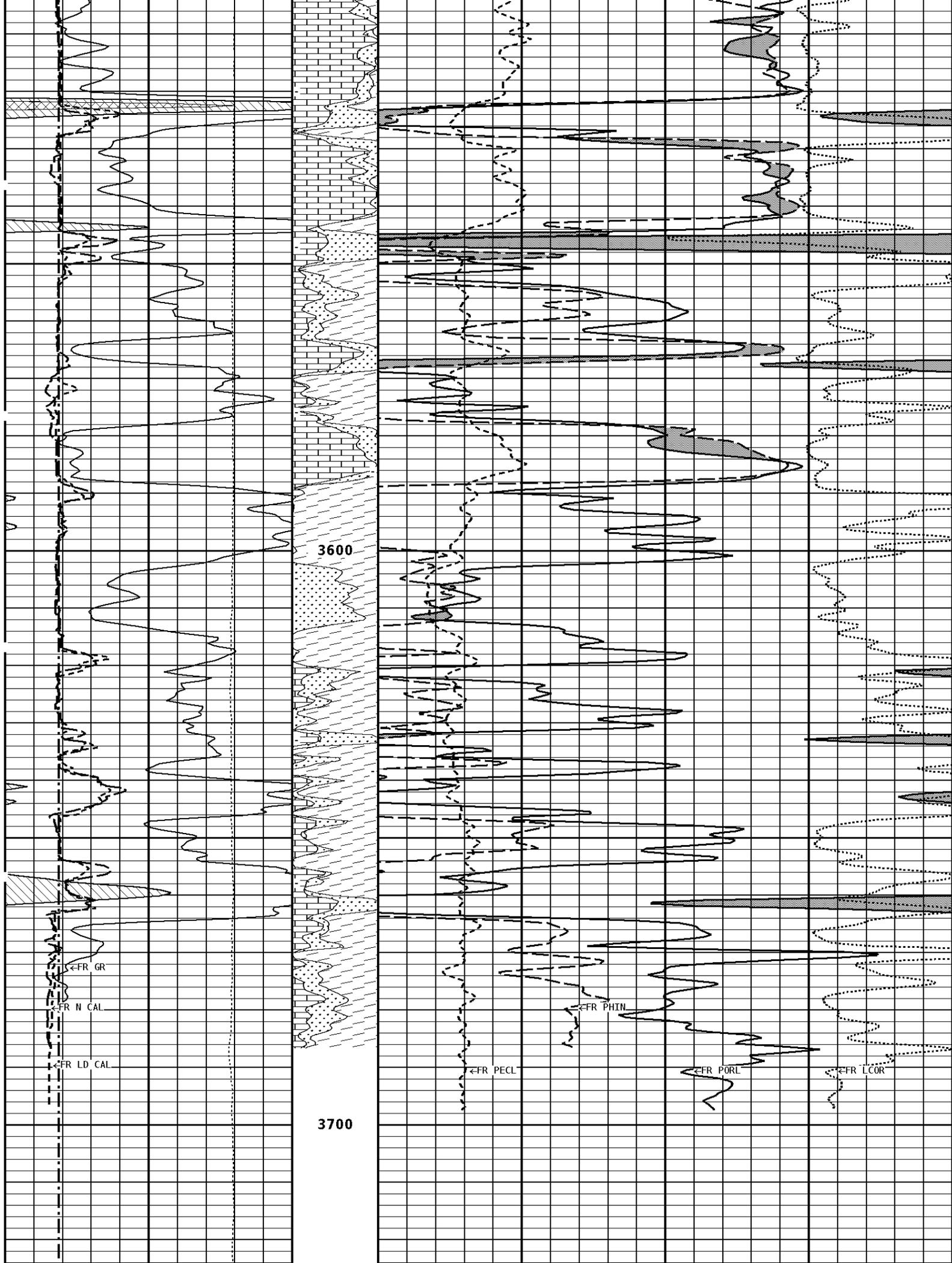
TENSION LBS								
10000	0							
BIT SIZE INCHES (IN)		Volume Dolo/Shale						
6	16							
DENSITY (X) CALIPER INCHES (IN)		Volume Quartz	PE CROSS-SECTION BARN/ELECTRON		DENSITY CORRECTION G/CC			
16	26		0	10	-0.25	0.25		
6	16							
NEUTRON (Y) CALIPER INCHES (IN)		Volume Calcite	NEUTRON POROSITY PERCENT (LIMESTONE MATRIX)					
16	26		30					-10
6	16							
GAMMA RAY API UNITS		- BHV AHV - CU. FT	DENSITY POROSITY PERCENT (2.71 g/cc)					
150	300		70					30
0	150		30					-10
			-10					-50

1:240 MAIN SECTION









3600

3700

←FR GR

←FR N CAL

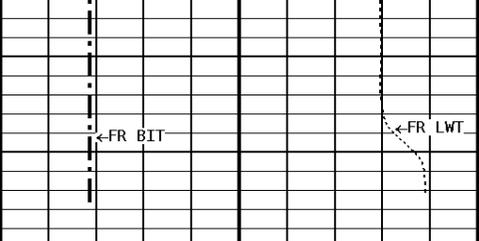
←FR LD CAL

←FR PECL

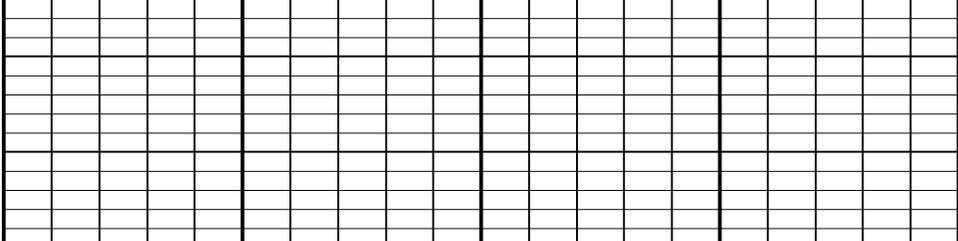
←FR PHIN

←FR PORL

←FR L'COR



File #1.1.6
3738



1:240 MAIN SECTION

GAMMA RAY API UNITS 150 300 0 150		- BHV AHV - CU. FT 70 30 -10	DENSITY POROSITY PERCENT (2.71 g/cc) 30 -10 -50		
NEUTRON (Y) CALIPER INCHES (IN) 16 26 6 16			NEUTRON POROSITY PERCENT (LIMESTONE MATRIX) 30 -10		
DENSITY (X) CALIPER INCHES (IN) 16 26 6 16		Volume Calcite 30 -10	Volume Quartz 0 10	PE CROSS-SECTION BARNS/ELECTRON -0.25	DENSITY CORRECTION G/CC 0.25
BIT SIZE INCHES (IN) 6 16				Volume DoLo/Shale -10	
TENSION LBS 10000 0					

*** Borehole Zone Factors ***

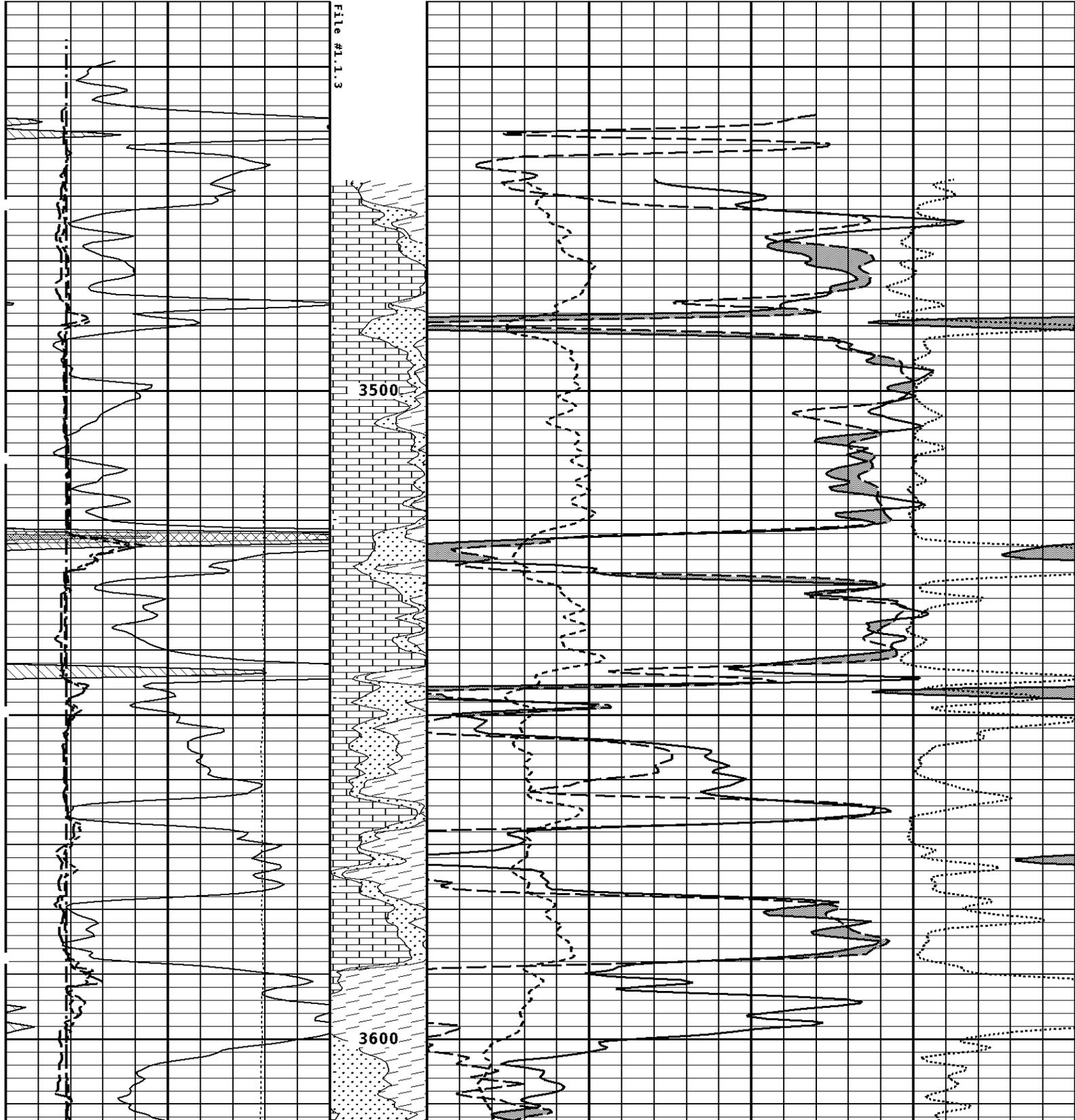
Zone 1 99999.0 to 0.0 Feet	
Drill Bit Size _____	7.875 in
Casing Diameter _____	5.500 in
Casing Correction (PHI N) _____	Disable
Fluid Density _____	1.00 g/cc
Matrix Density _____	2.71 g/cc
Formation Matrix _____	Limestone

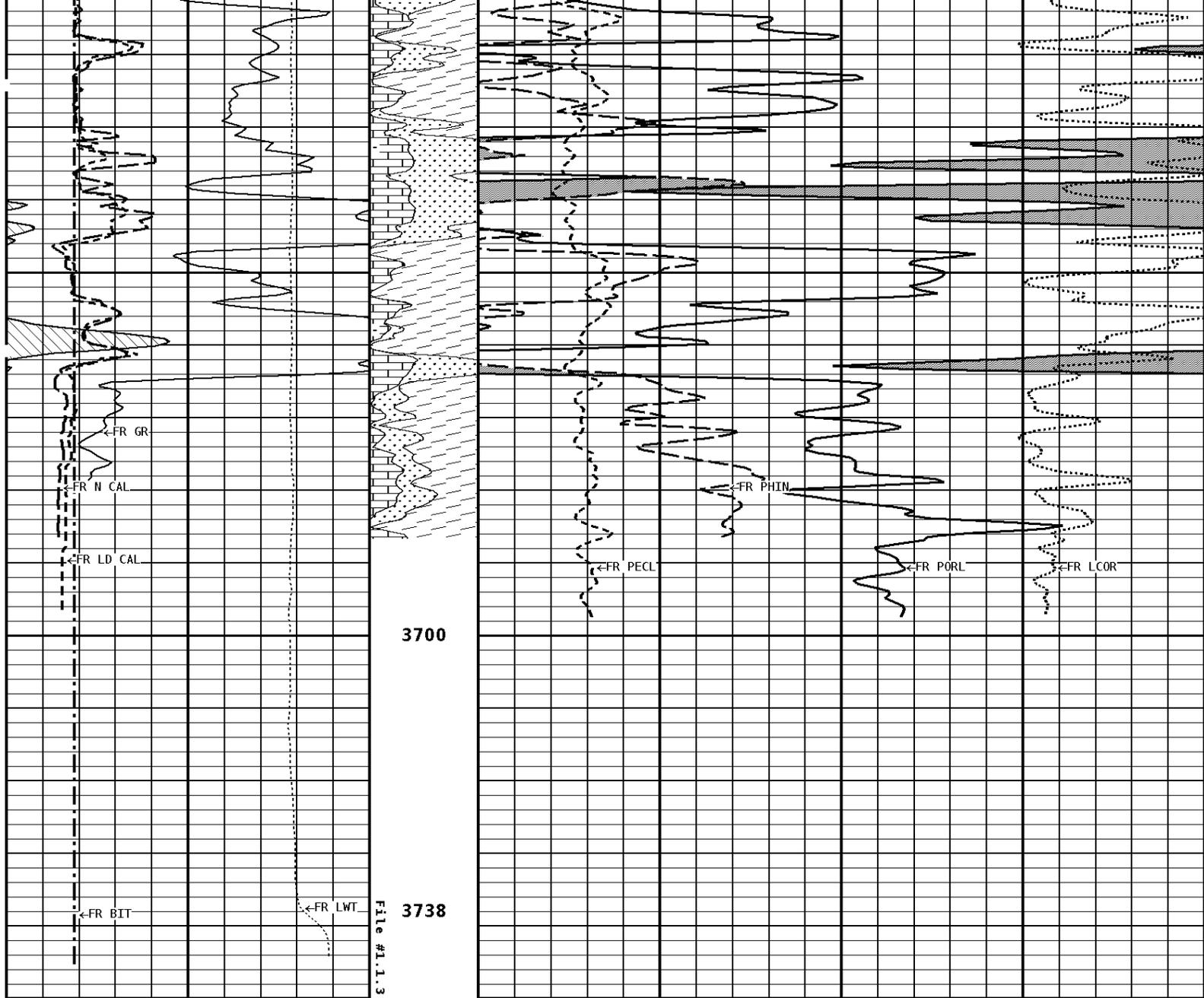
Well File: AND_PEL_1 DEC_18_QUINT Scale: 1:240
 Segment: V1.D1.S3 RE Acquired: 2012-12/18 14:27 3.2.0-11401
 Reference: 0 Processed: 2012-12/18 14:40 3.2.0-11401

TENSION LBS 10000 0					
BIT SIZE INCHES (IN) 6 16		Volume DoLo/Shale -10			
DENSITY (X) CALIPER INCHES (IN) 16 26 6 16		Volume Quartz 0 10	PE CROSS-SECTION BARNS/ELECTRON -0.25	DENSITY CORRECTION G/CC 0.25	
NEUTRON (Y) CALIPER INCHES (IN) 16 26				Volume Calcite 30 -10	

16 6	26 16	30	-10
GAMMA RAY API UNITS		-BHV AHV- CU. FT	DENSITY POROSITY PERCENT (2.71 g/cc)
150 0	300 150	70 30 -10	30 -10 -50

1:240 REPEAT SECTION





1:240 REPEAT SECTION

GAMMA RAY API UNITS 150 0 300 150	-BHV AHV- CU. FT	DENSITY POROSITY PERCENT (2.71 g/cc)	
		70	30
NEUTRON (Y) CALIPER INCHES (IN) 16 6 26 16	Volume Calcite	NEUTRON POROSITY PERCENT (LIMESTONE MATRIX)	
		30	-10
DENSITY (X) CALIPER INCHES (IN) 16 6 26 16	Volume Quartz	PE CROSS-SECTION BARNS/ELECTRON	DENSITY CORRECTION G/CC
			10
BIT SIZE INCHES (IN) 6 16	Volume Dolo/Shale		

TENSION
LBS

10000

0

* Borehole Zone Factors *

Zone 1 99999.0 to 0.0 Feet		
Matrix Density	_____	2.71 g/cc
Fluid Density	_____	1.00 g/cc
Formation Matrix	_____	Limestone
Drill Bit Size	_____	7.875 in
Casing Diameter	_____	5.500 in
Casing Correction (PHI N)	_____	Disable

Well File: AND PEL 1 DEC 18 QUINT
Segment: V1.D1.S6 MAIN
Reference: 0

Scale: 1:240
Acquired: Not Available
Processed: Not Available

TENSION LBS	
10000	0

BIT SIZE INCHES (IN)	
6	16

DENSITY (X) CALIPER INCHES (IN)	
16	26
6	16

NEUTRON (Y) CALIPER INCHES (IN)	
16	26
6	16

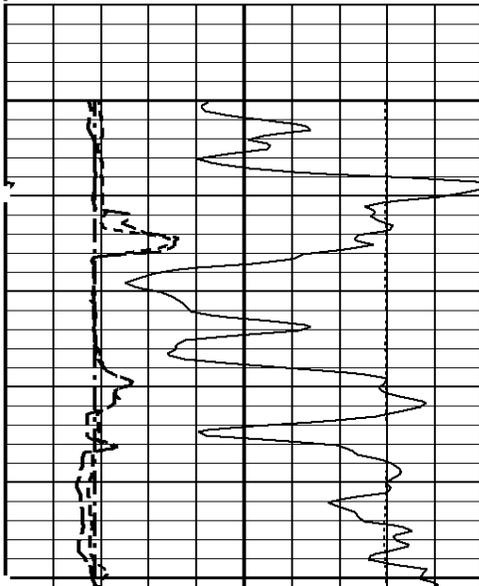
GAMMA RAY API UNITS	
150	300
0	150

PE CROSS-SECTION BARN/ ELECTRON		DENSITY CORRECTION G/CC	
0	10	-0.25	0.25

DENSITY POROSITY PERCENT (2.71 g/cc)			
70			30
30			-10
-10			-50

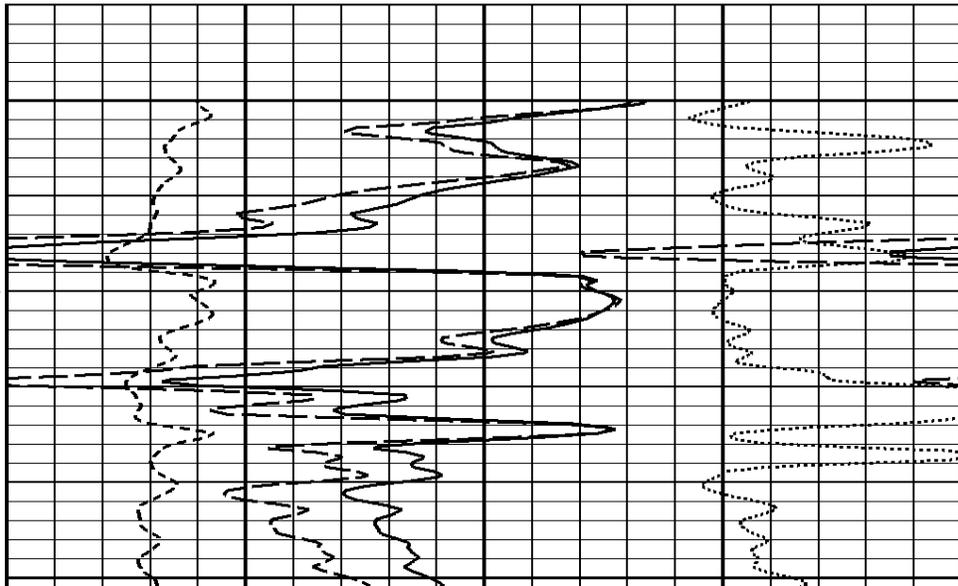
- BHV AHV - CU. FT		COMPENSATED BULK DENSITY G/CC	
3.0			4.0
2.0			3.0
1.0			2.0

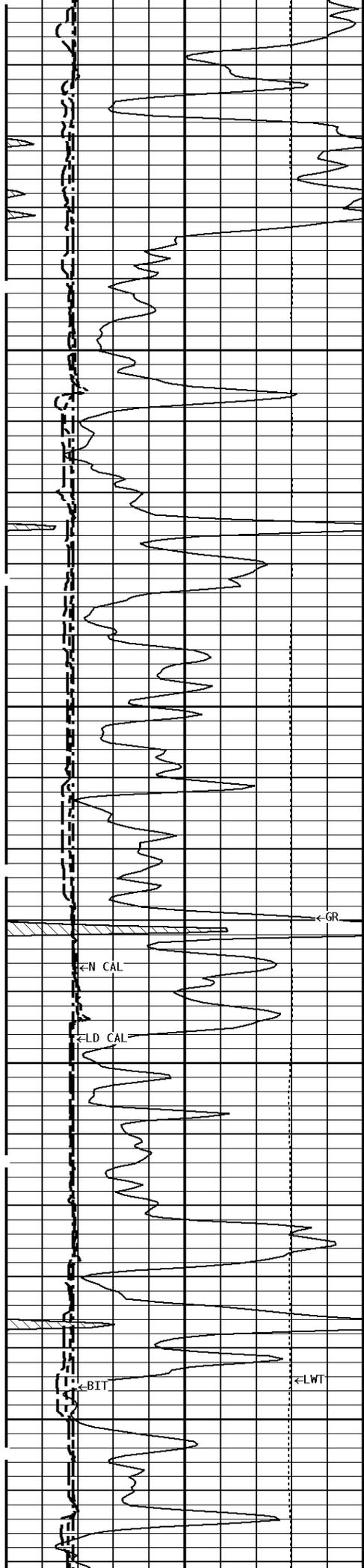
1:240 MAIN SECTION
BULK DENSITY



File #1.1.6

3000





3100

--200Cu. Ft--

100Cu. Ft--

< GR

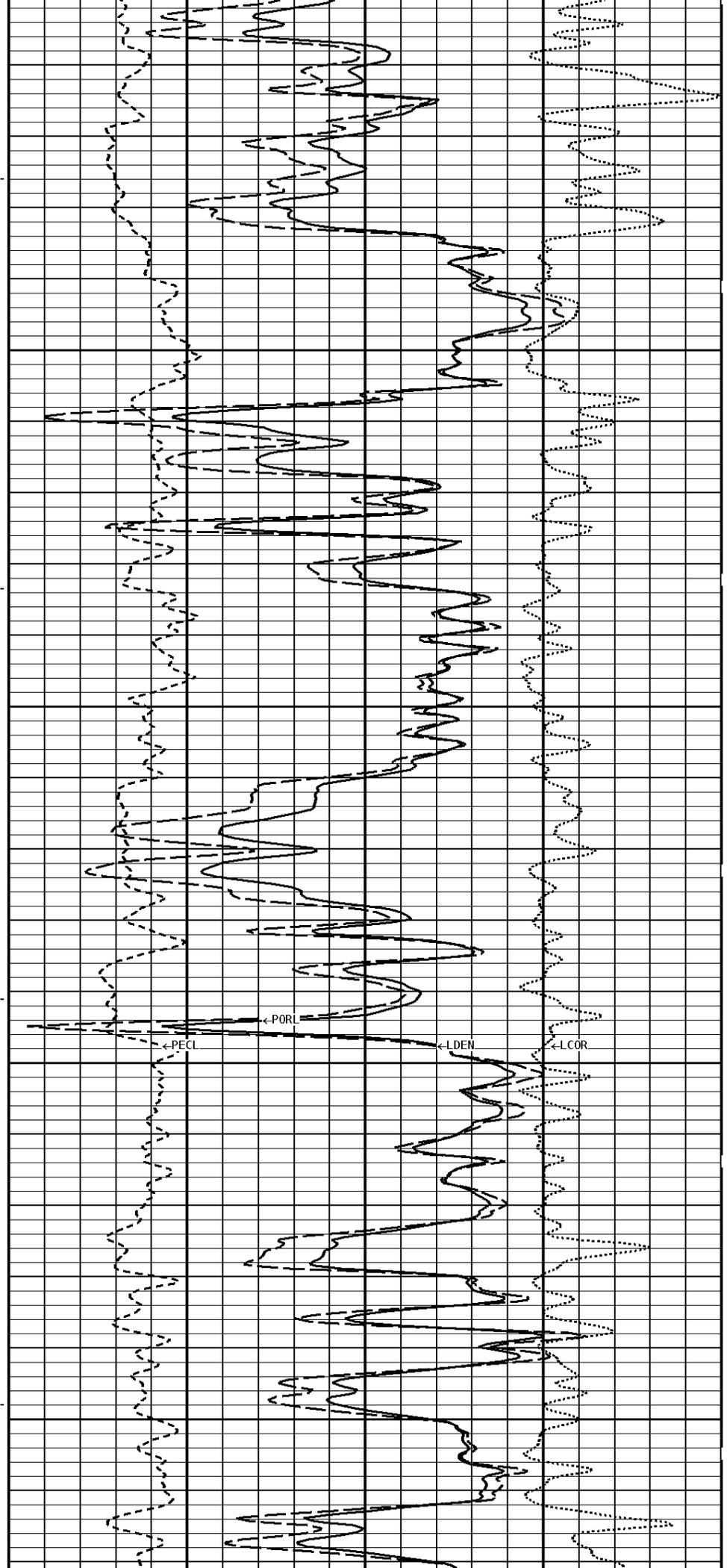
EN CAL

LD CAL

BIT

<LWT

3200

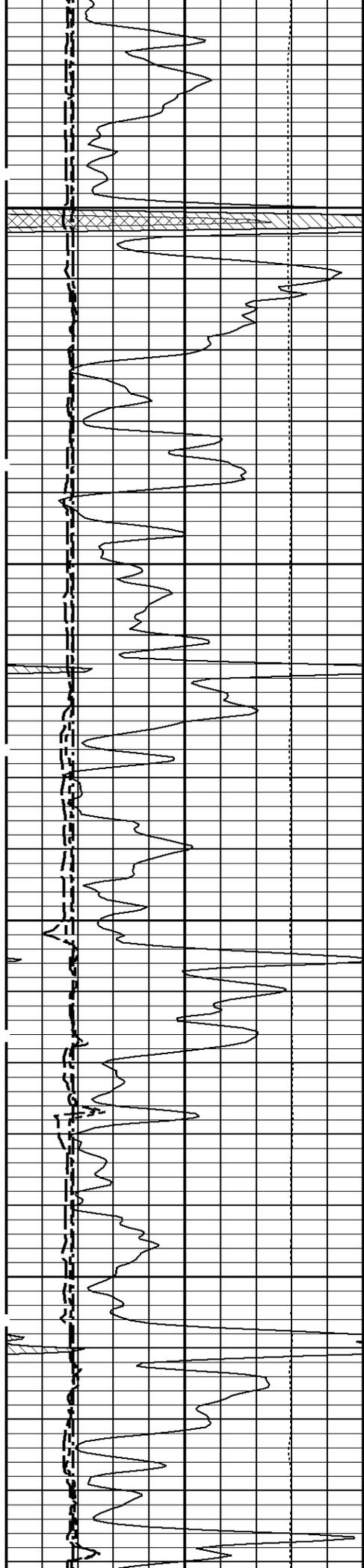


<PORL

<PECL

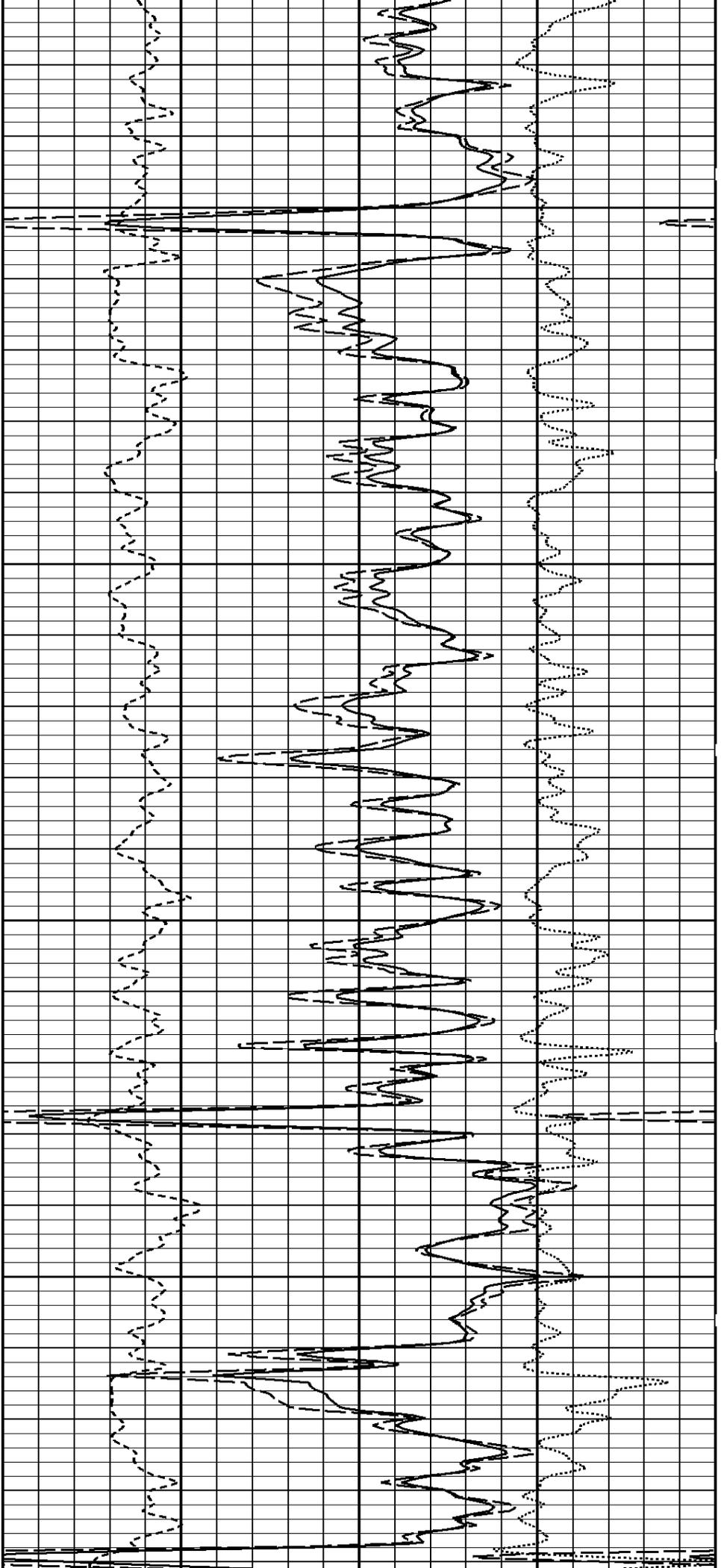
LDEN

<LCOR



3300

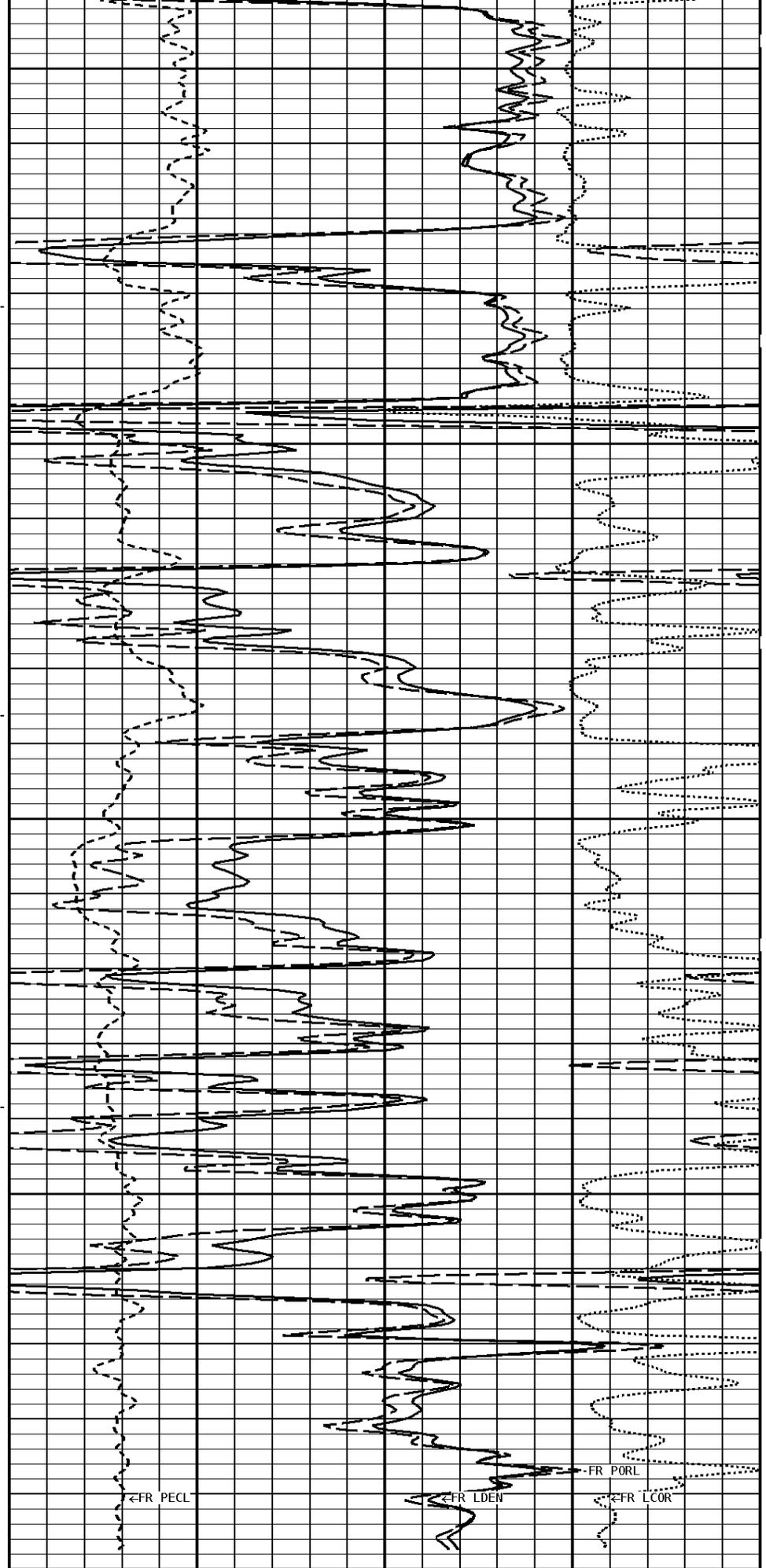
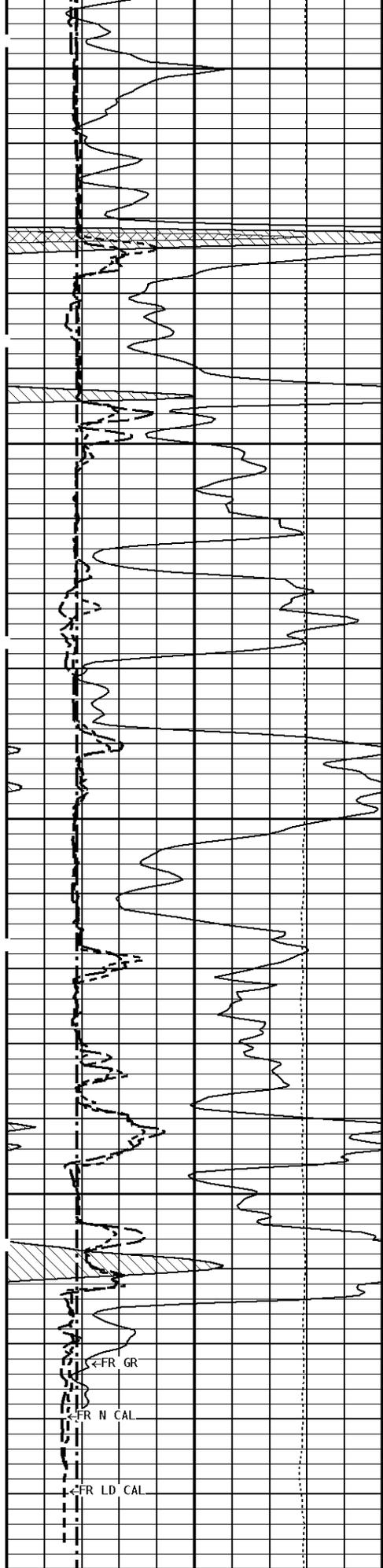
3400
--100Cu. Ft

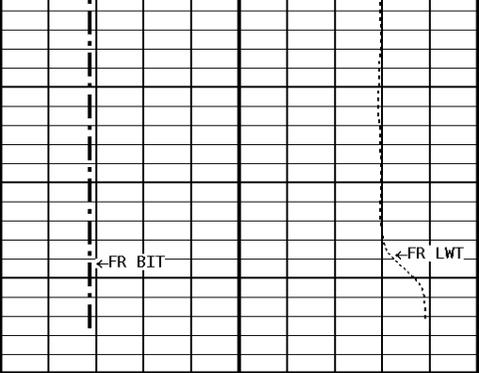


3500

3600

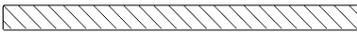
3700





3738

**1:240 MAIN SECTION
BULK DENSITY**

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

- BHV AHV - CU. FT 3.0 2.0 1.0	COMPENSATED BULK DENSITY G/CC 4.0 3.0 2.0	
	DENSITY POROSITY PERCENT (2.71 g/cc) 70 30 30 -10 -10 -50	
	PE CROSS-SECTION BARNS/ELECTRON 0 ----- 10	DENSITY CORRECTION G/CC -0.25 ----- 0.25

*** Borehole Zone Factors ***

Zone 1 99999.0 to 0.0 Feet	
Drill Bit Size	7.875 in
Casing Diameter	5.500 in
Casing Correction (PHI N)	Disable
Fluid Density	1.00 g/cc
Matrix Density	2.71 g/cc
Formation Matrix	Limestone

*** Calibration Summary ***

Shop Calibration GRT-B				
Performed : 18-NOV-2012		Time : 10:33		
Sensor Suite : GR-GR5		ID : GRT-BC-43		
	Measured	Units	Calibrated	Units
GR	Background	Jig	Jig	GRAPI
	46	309	175	
		CPS		

Shop Calibration CNT-AA				
Performed : 14-NOV-2012		Time : 11:33		
Sensor Suite : CALI-BCN		ID : NDT-AE-403		
	Jig - Measured		Jig - Calibrated	Units

CL # 1	Ring#1	Ring#2	Ring#1	Ring#2	IN.
	7.9	13.9	6.0	12.0	

Performed : 14-Nov-2012 Time : 11:29
 Sensor Suite : BHC NEUT ID : CNP-AA-103
 Source ID : N-1044

	Tank		Verification	Units
	Measured	Calibrated	Jig	
N/F	4.0948	3.6893	3.7145	
Porosity	27.2	20.5	20.9	%

**Shop Calibration
LDT-DF**

Performed : 14-NOV-2012 Time : 10:08
 Sensor Suite : CALI-LTH ID : PDT-GA-469

	Jig - Measured		Jig - Calibrated		Units
	Ring#1	Ring#2	Ring#1	Ring#2	
CL # 1	6.5	12.5	6.0	12.0	IN.

Performed : 14-Nov-2012 Time : 10:24
 Sensor Suite : BHCPENGL ID : LDP-DA-02
 Source ID : CSV-587

	Short Space				
	BKGD	Al	Mg	Al+Fe	Units
LSW1	67	437	703	299	CPS
LSW2	71	533	854	388	CPS
LSW3	275	1336	2088	1155	CPS
LSW4	349	1281	1785	1152	CPS
LSW5	36	43	44	41	CPS
LSW6	90	91	90	91	CPS
LSW7	56	56	58	58	CPS
LSW8	2	3	3	3	CPS
QS	0.230	0.236	0.214	0.218	
PES			2.778	5.967	
SSDN		2.600	1.680		G/CC

	Long Space				
	BKGD	Al	Mg	Al+Fe	Units
LLW1	106	570	2330	364	CPS
LLW2	114	993	4077	722	CPS
LLW3	428	1945	7150	1686	CPS
LLW4	570	1146	2918	1063	CPS
LLW5	62	66	81	66	CPS
LLW6	184	181	173	179	CPS
LLW7	112	114	108	114	CPS
LLW8	4	5	10	5	CPS
QL	0.242	0.228	0.231	0.224	
PEL			2.697	5.458	
LSDN		2.600	1.680		G/CC

**Shop Calibration
MST-DA**

Performed : 14-NOV-2012 Time : 07:09
 Sensor Suite : CALI-MSN ID : MST-DA-28

	Jig - Measured		Jig - Calibrated		Units
	Ring#1	Ring#2	Ring#1	Ring#2	
CL # 1	8.5	12.6	6.0	12.0	IN.

Performed : 14-NOV-2012 Time : 07:59
 Sensor Suite : MSTDA-NI ID : MST-DA-28

	Internal					
	Measured			Calibrated		
	Zero	Reference	Units	Zero	Reference	Units
INV-V	91.1	29333.3		0.00	1546.00	MV
NOR-V	162.3	30464.1		0.00	1446.00	MV
IN-C	150.5	57531.9		0.00	15.46	UA
INV-R					32.34	OHMM
NOR-R					51.54	OHMM

Performed : 14-NOV-2012 Time : 08:00
 Sensor Suite : MSTDAMSF ID : MST-DA-28

	Internal					
	Measured			Calibrated		
	Zero	Reference	Units	Zero	Reference	Units
MSFC	7.8	59332.4		0.00	1522.00	UA
MSFB	32757.0	32619.7		0.00	1522.00	MA
MOM1	0.0	62556.7		0.00	1522.00	MV



Tucker
ENERGY SERVICES

Company: ANDERSON ENERGY, INC

Well: PELTON A #1

Location: 1196' FSL & 1230' FWL

Logged: 12-18-2012

K.B. Elev: 2137.0 Ft

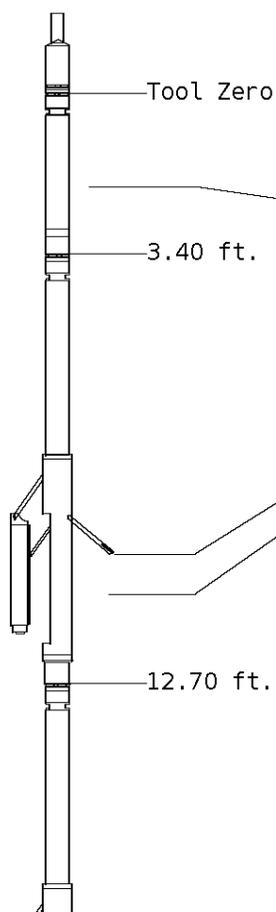
ALL PRESENTATIONS AS PER CUSTOMER REQUEST
 GRT, CNT, LDT, MLT, CST AND PIT RUN IN COMBINATION.
 CALIPERS ORIENTED ON X-Y AXIS.
 2.71 G/CC USED TO CALCULATED POROSITY.
 ANNULAR HOLE VOLUME CALCULATED USING 5.500" PRODUCTION CASING.
 PHIN IS CALIPER CORRECTED

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, CIRD

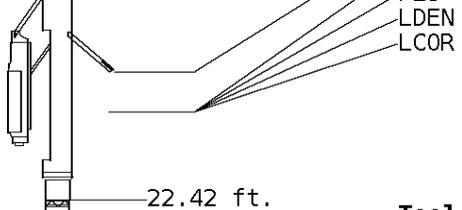
OPERATORS:
 J. THOMAS
 P. JACOBS

Tool String Schematic

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



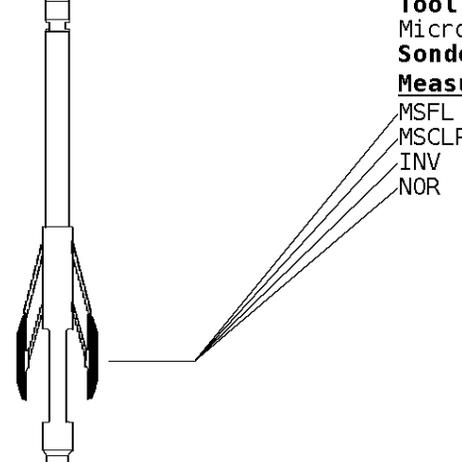
Tool: GRT-B		Length: 3.40 ft.	O.D.: 3.60 in.
Gamma Ray Controller			
Sonde ID :GRT-BC-43			
Measure Point	Tool Offset	Stack Offset	Bottom Offset
GRP	2.00	2.00	65.37
Tool: CNT-AA		Length: 9.30 ft.	O.D.: 4.36 in.
Compensated Neutron A Pad on NDT-A			
Sonde ID :NDT-AE-403			
Source ID :N-1044			
Pad ID :CNP-AA-103			
Measure Point	Tool Offset	Stack Offset	Bottom Offset
CLCN	6.00	9.40	57.97
PHIN	6.80	10.20	57.17
Tool: LDT-DF		Length: 9.72 ft.	O.D.: 4.80 in.
Litho Density D Pad on NDT-F			
Sonde ID :PDT-GA-469			
Source ID :CSV-587			
Pad ID :LDP-DA-02			
Measure Point	Tool Offset	Stack Offset	Bottom Offset
CLLD	6.42	19.12	48.25
PEL	7.42	20.12	47.25
PES	7.82	20.52	46.85



7.62 20.32 47.05
 7.62 20.32 47.05

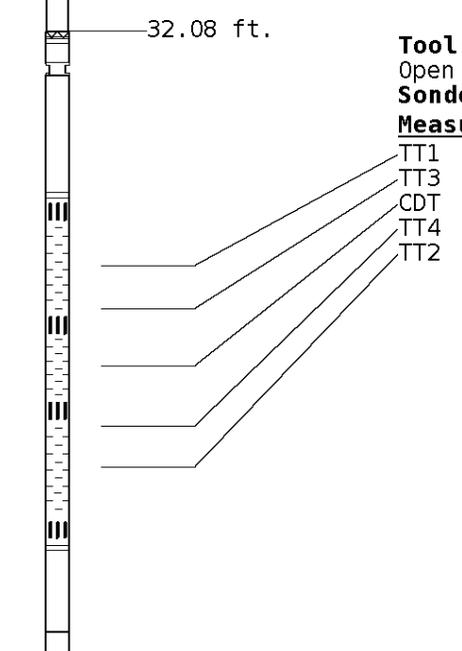
Tool: MST-DA **Length:** 9.66 ft. **O.D.** 6.00 in.
 Micro Spherically Focused (IC)
Sonde ID :MST-DA-28

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



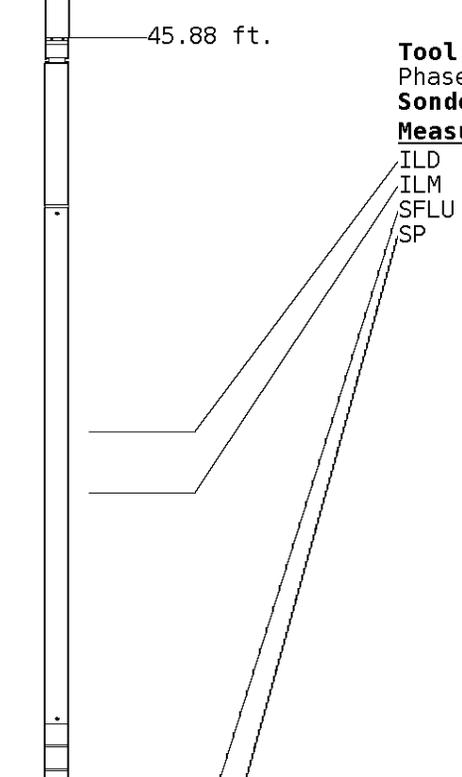
Tool: CST-AD **Length:** 13.80 ft. **O.D.** 3.60 in.
 Open Hole Sonic
Sonde ID :CST-AB-012

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



Tool: PIT-CA **Length:** 21.49 ft. **O.D.** 3.62 in.
 Phased Dual Induction w/ RM & D
Sonde ID :PIT-AC-13

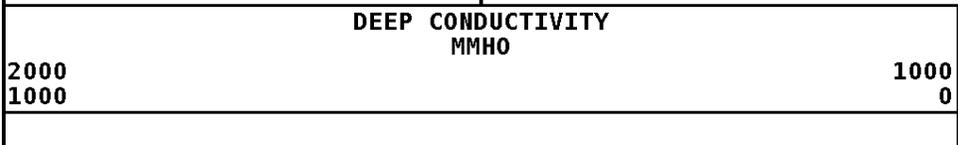
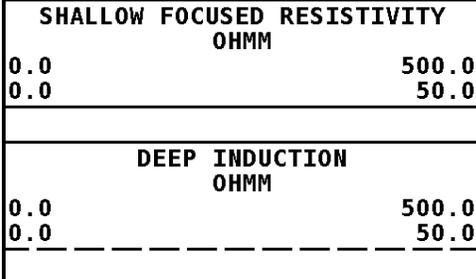
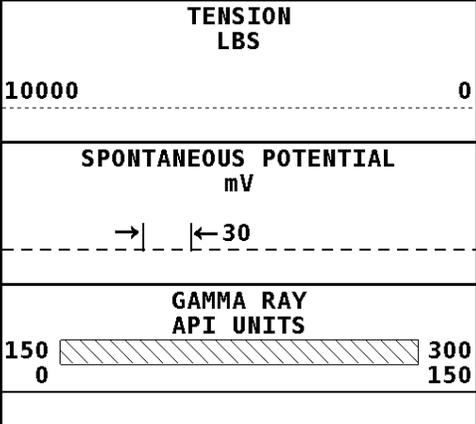
Measure Point	Tool Offset	Stack Offset	Bottom Offset
ILD	8.92	54.80	12.56
ILM	10.10	55.98	11.39
SFLU	17.49	63.37	4.00
SP	20.60	66.48	0.88



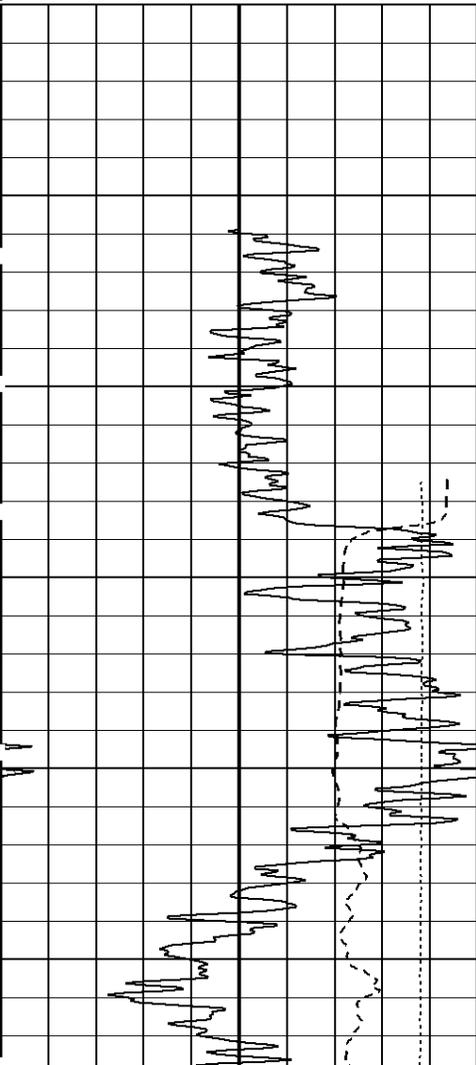
LWT ————— 67.37 ft.

Well File: AND PEL 1 DEC 18 QUINT
 Segment: V1.D1.S6 MAIN
 Reference: 0

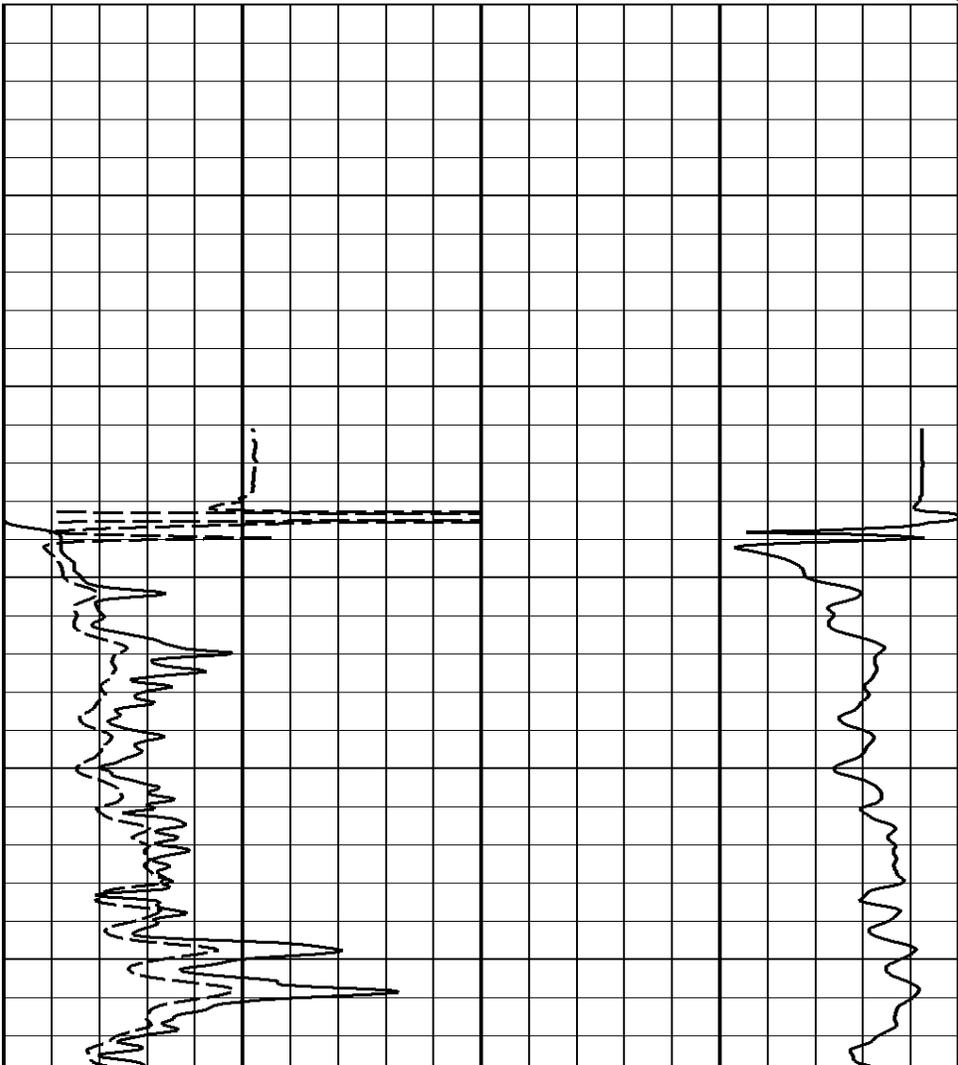
Scale: 1:600
 Acquired: Not Available
 Processed: Not Available

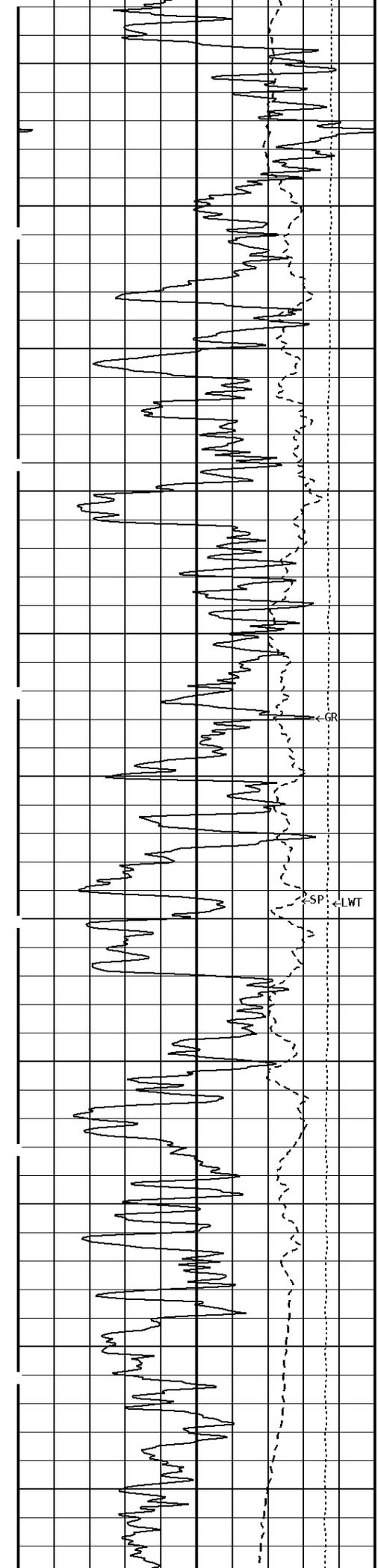


1:600 SECTION
 2 INCH



200
 300
 400





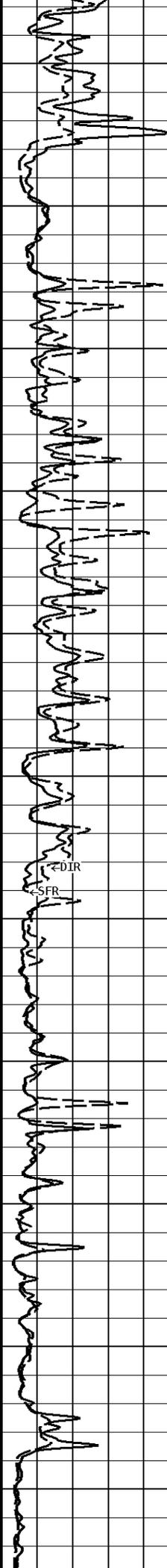
500

600

700

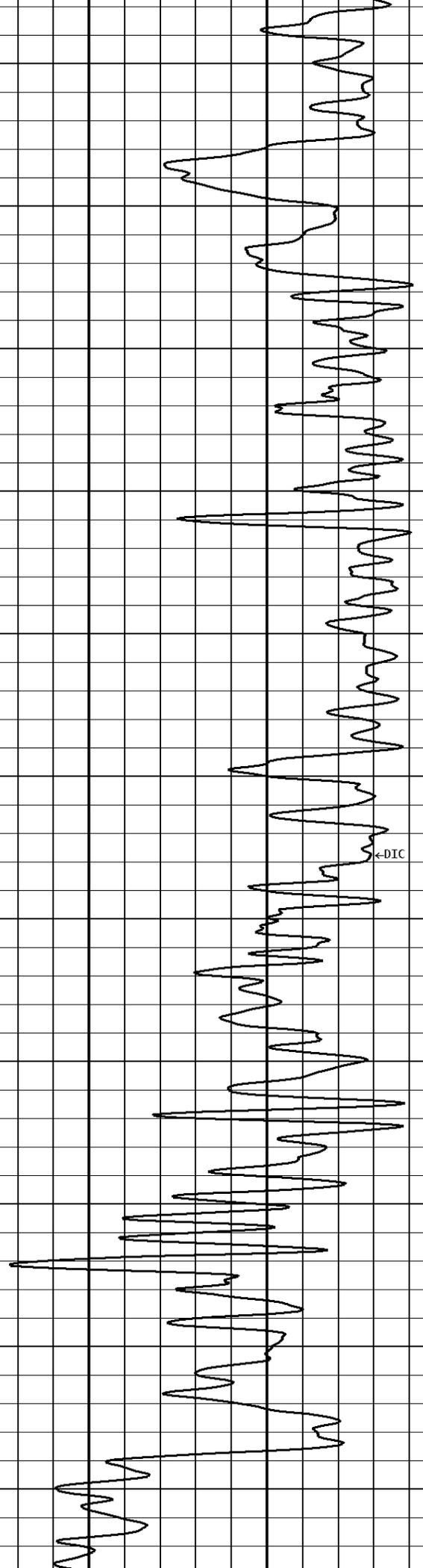
800

900

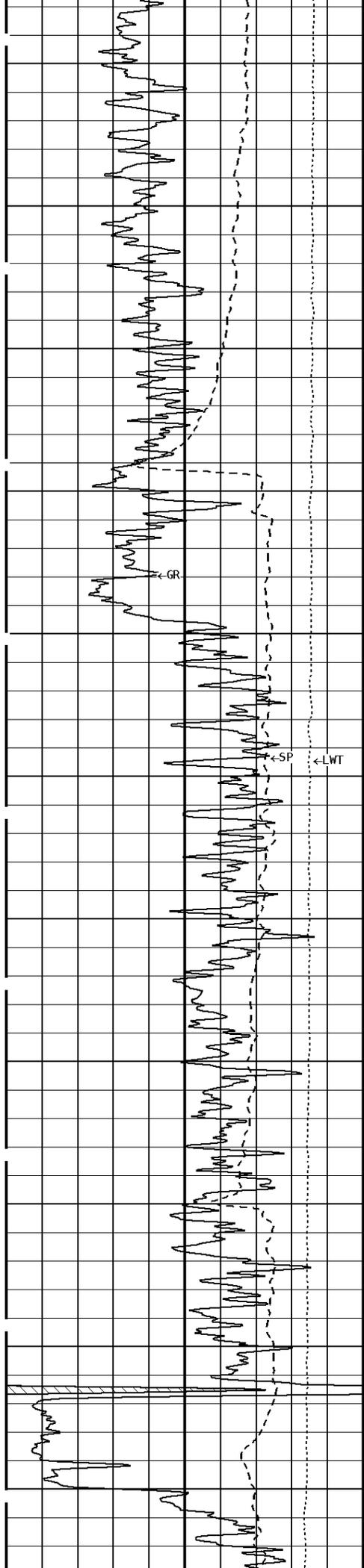


DIR

SFR



DIC



1000

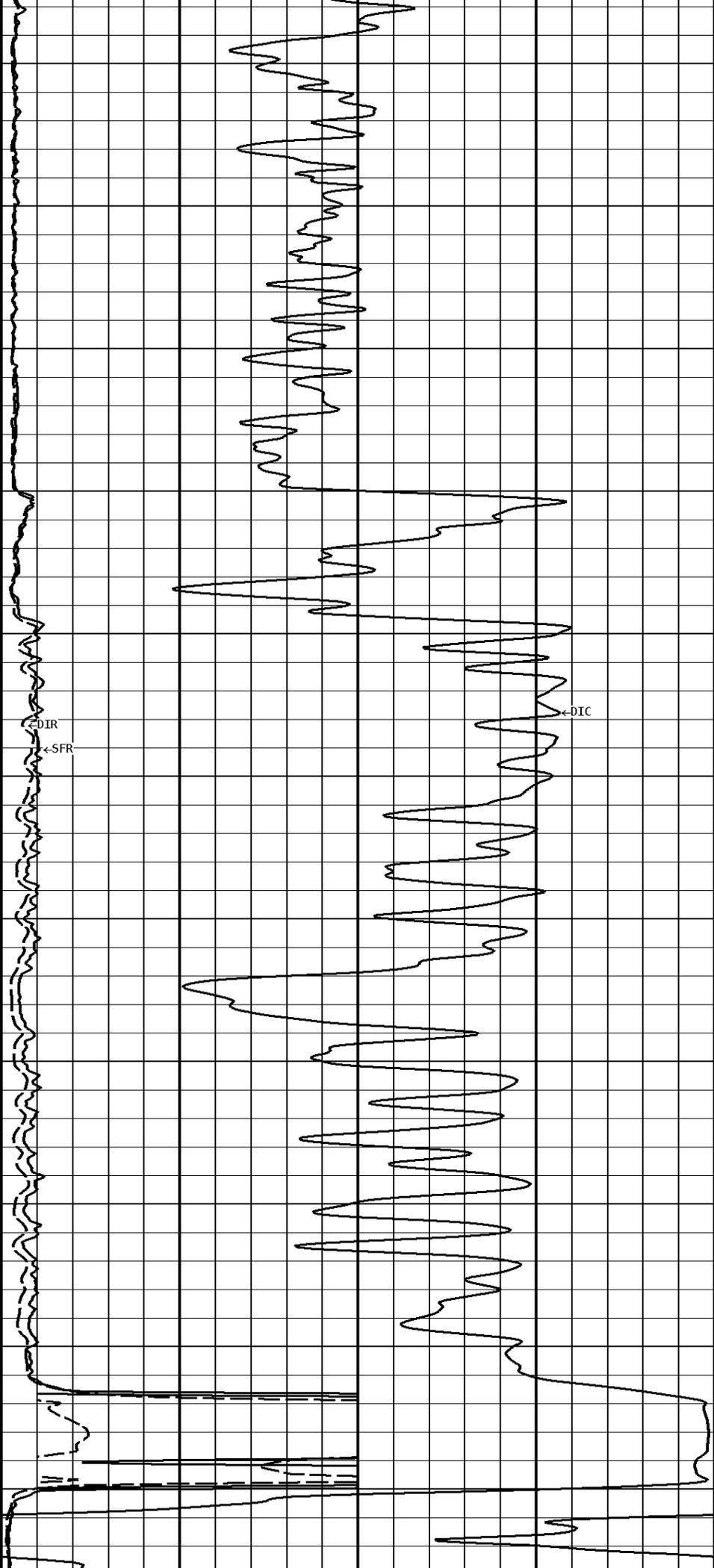
1100

1200

1300

1400

1500



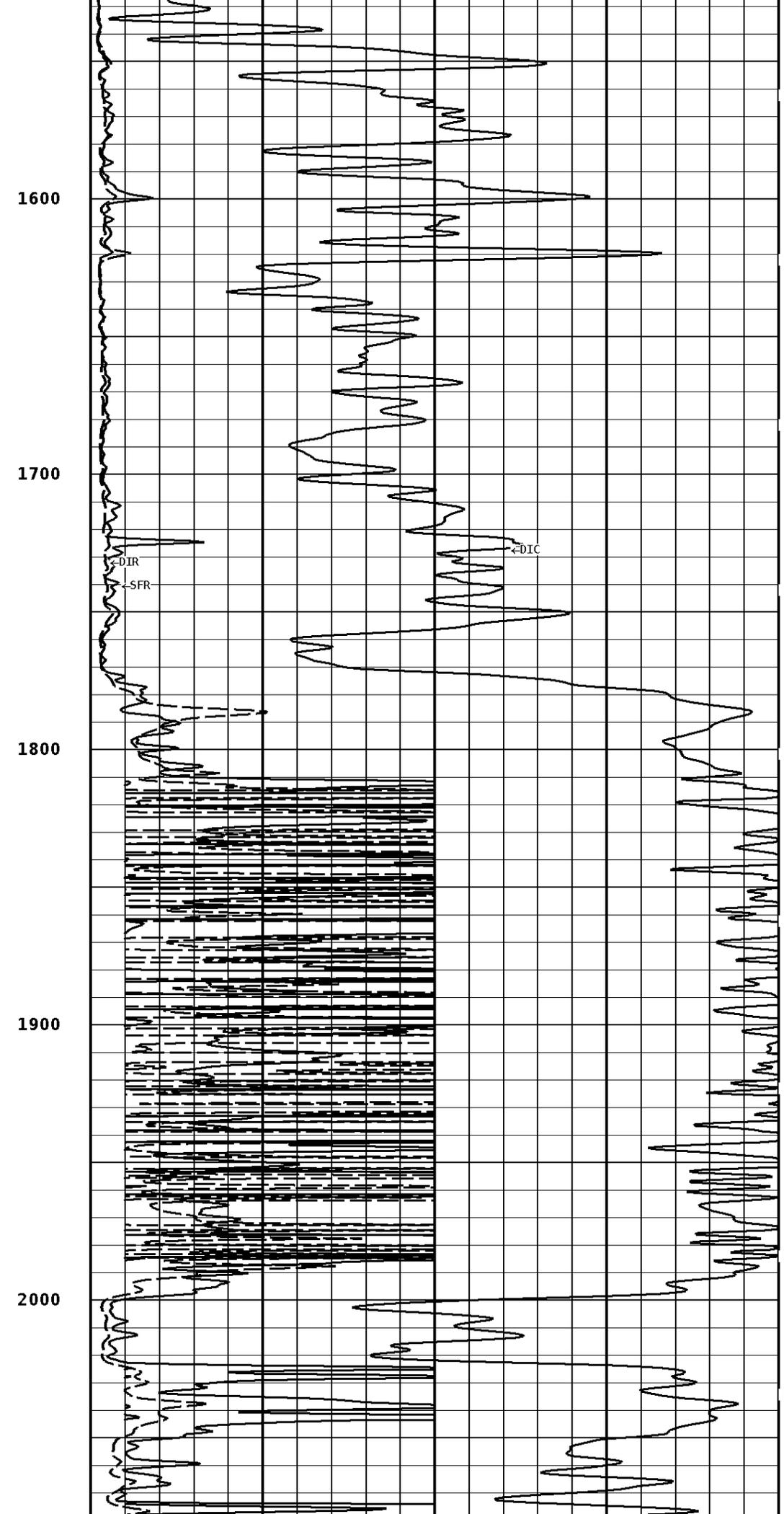
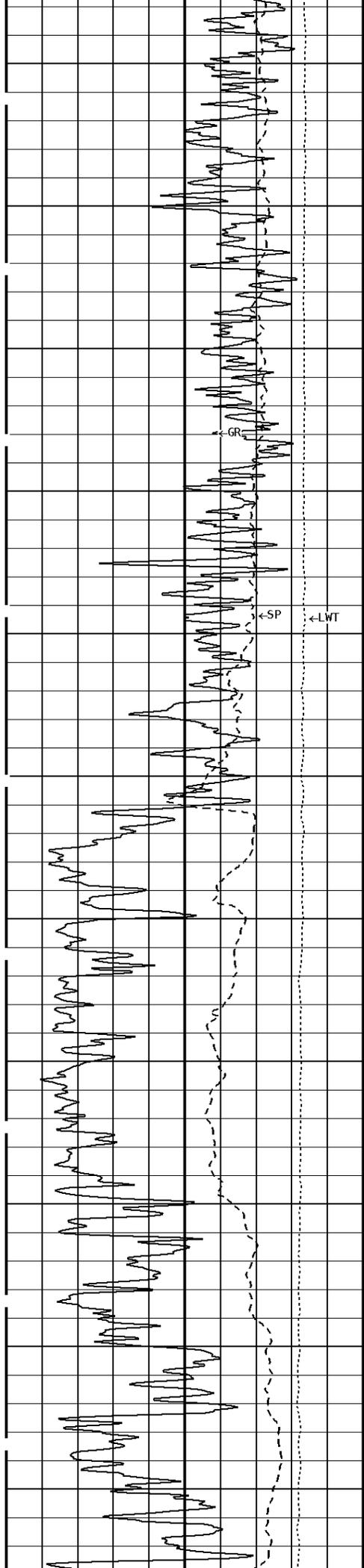
DIR

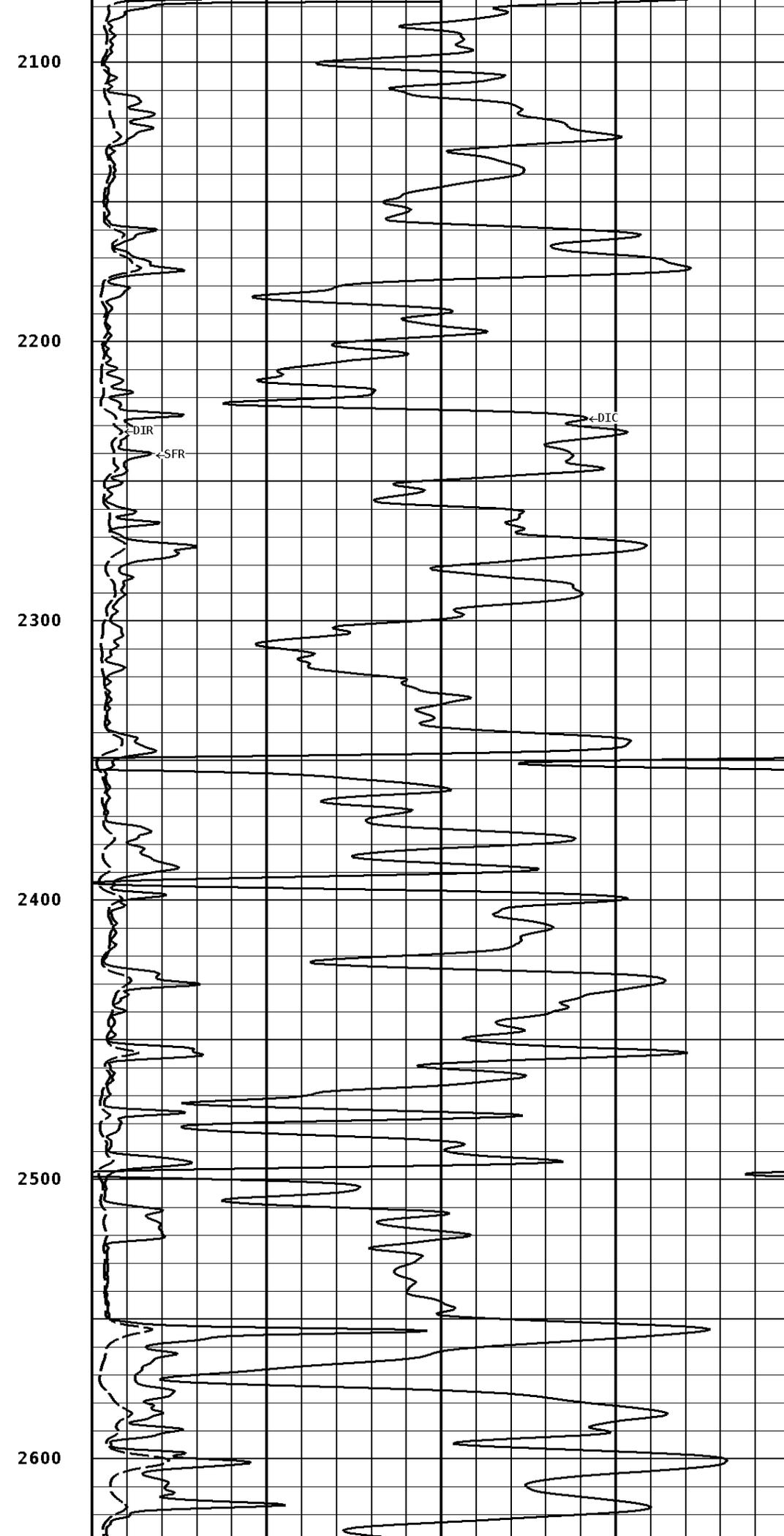
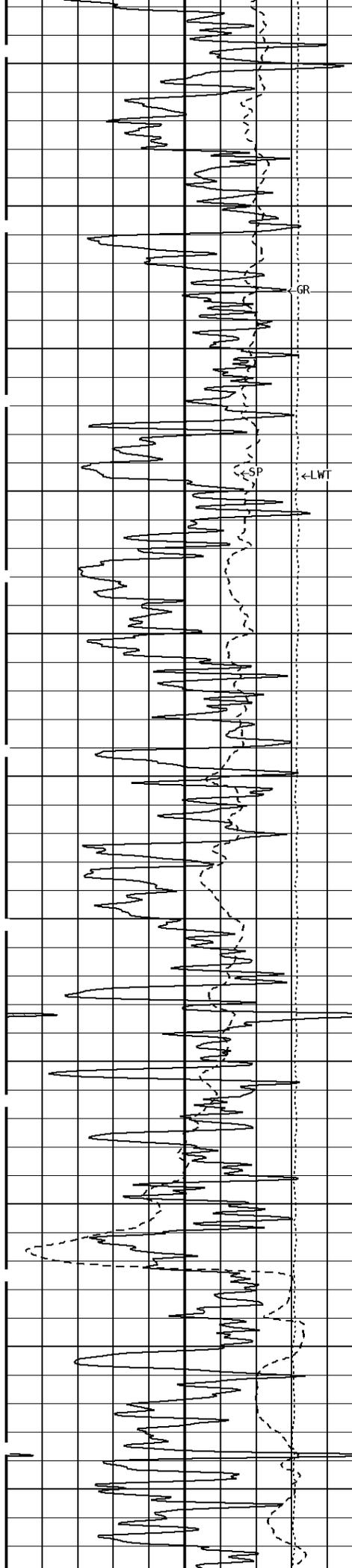
SFR

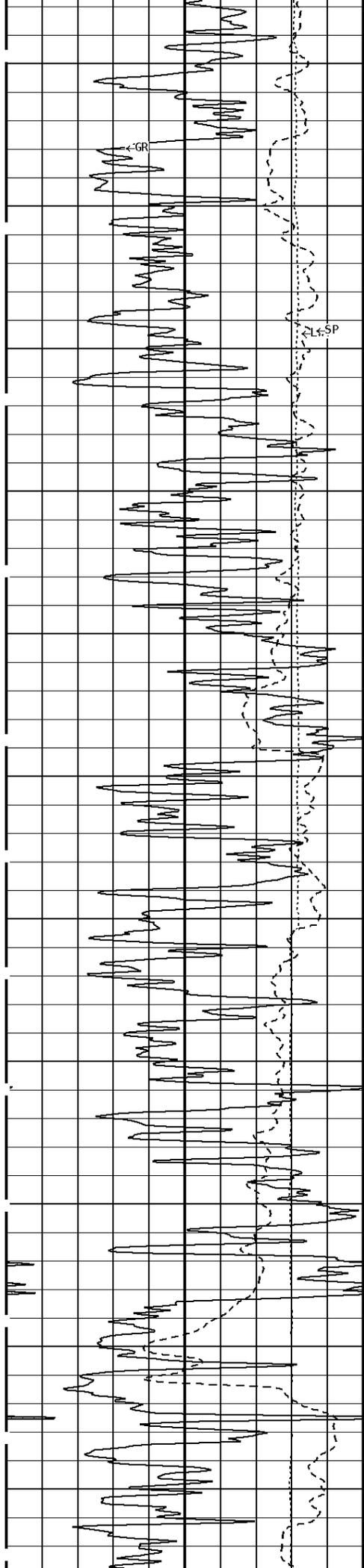
LWT

SP

DIC







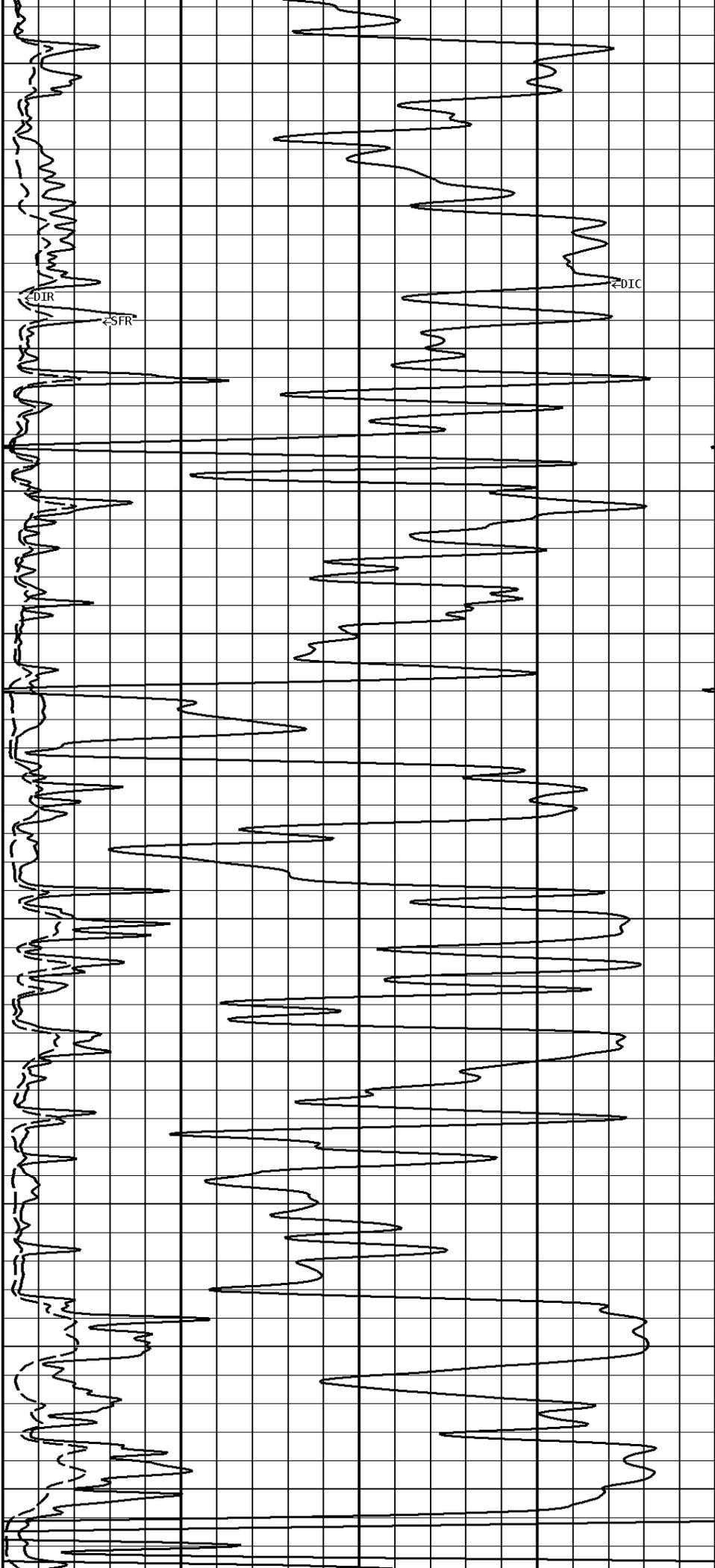
2700

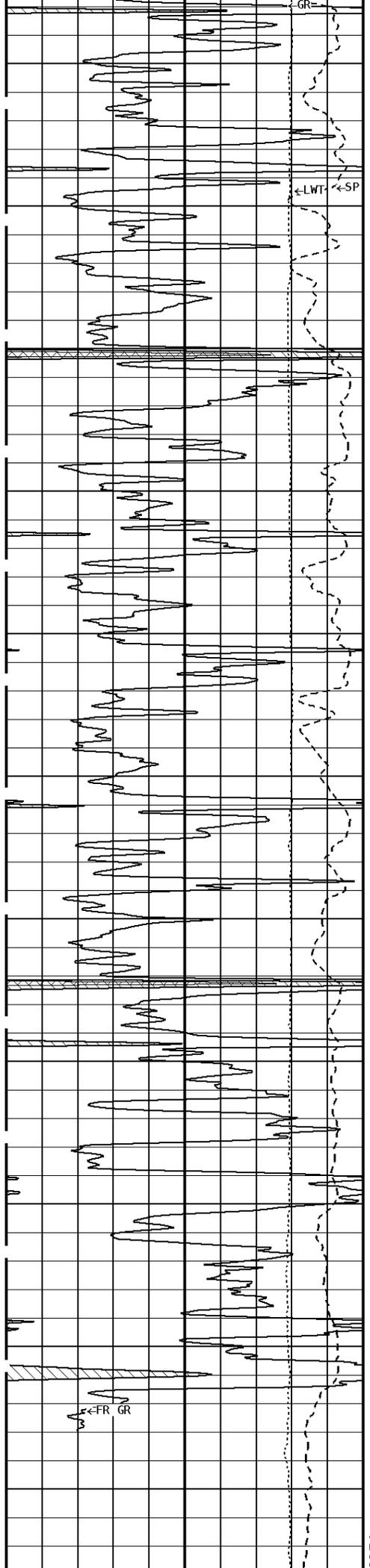
2800

2900

3000

3100





3200

3300

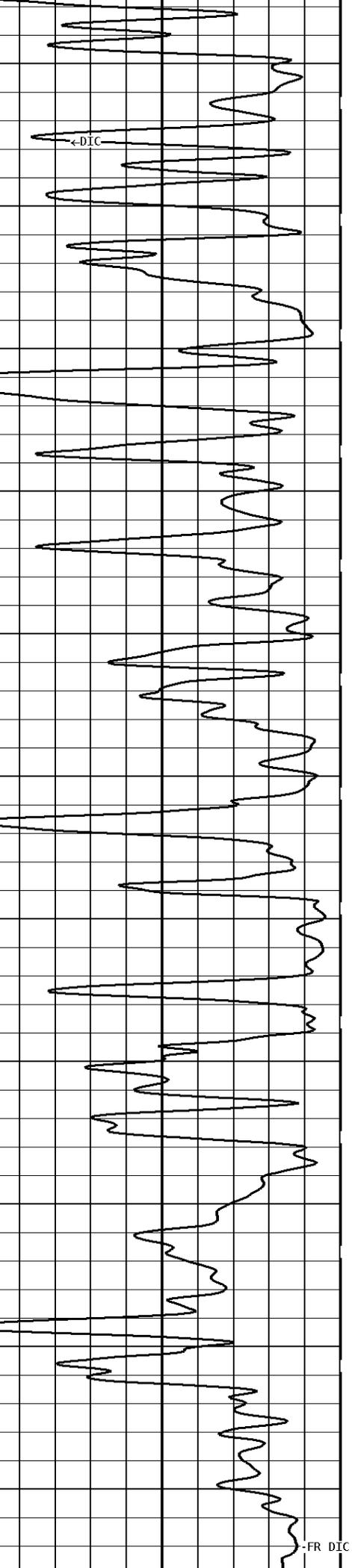
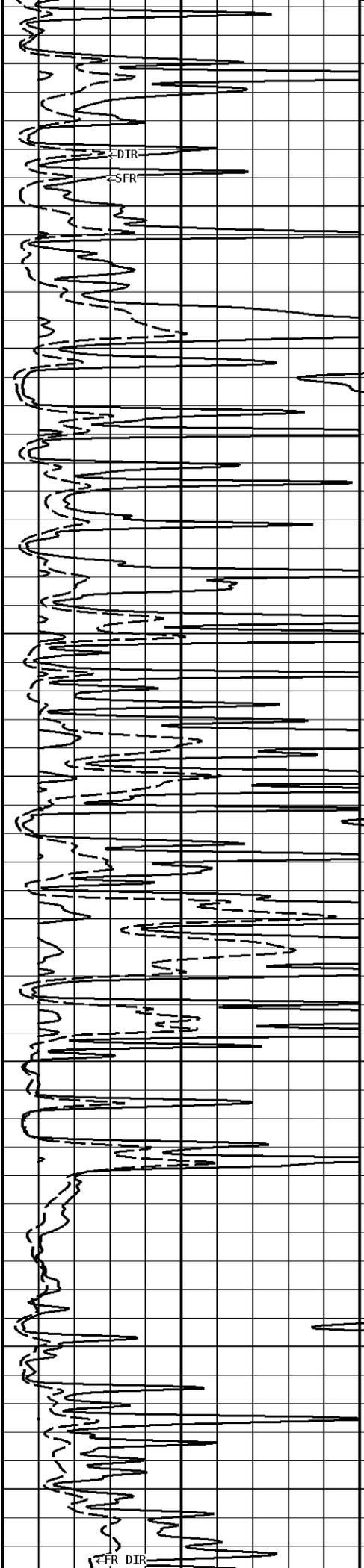
3400

3500

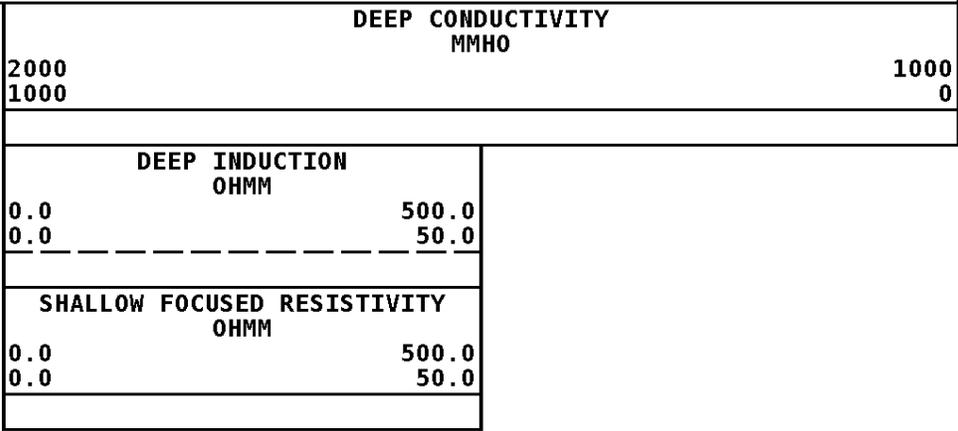
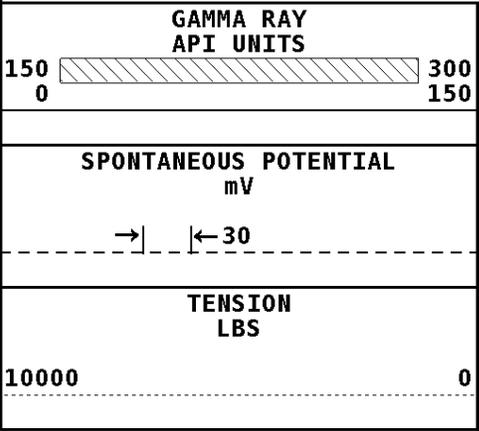
3600

3700

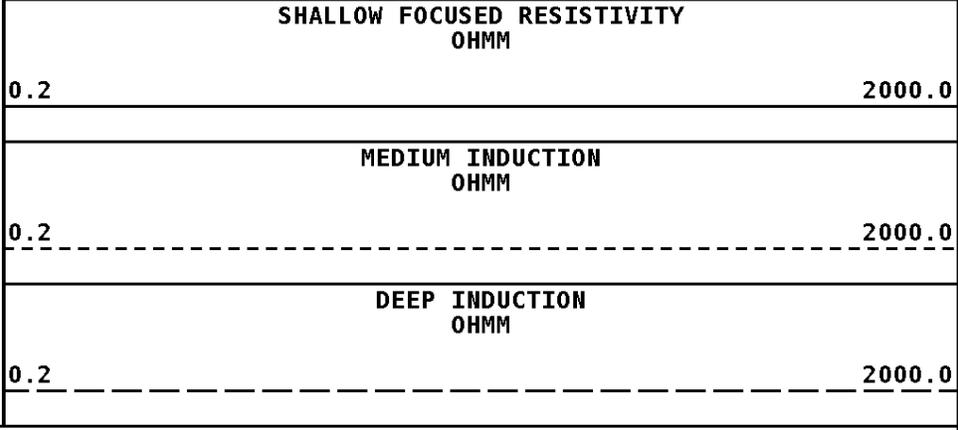
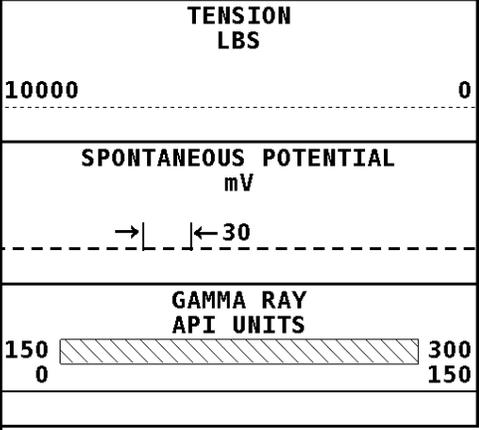
File



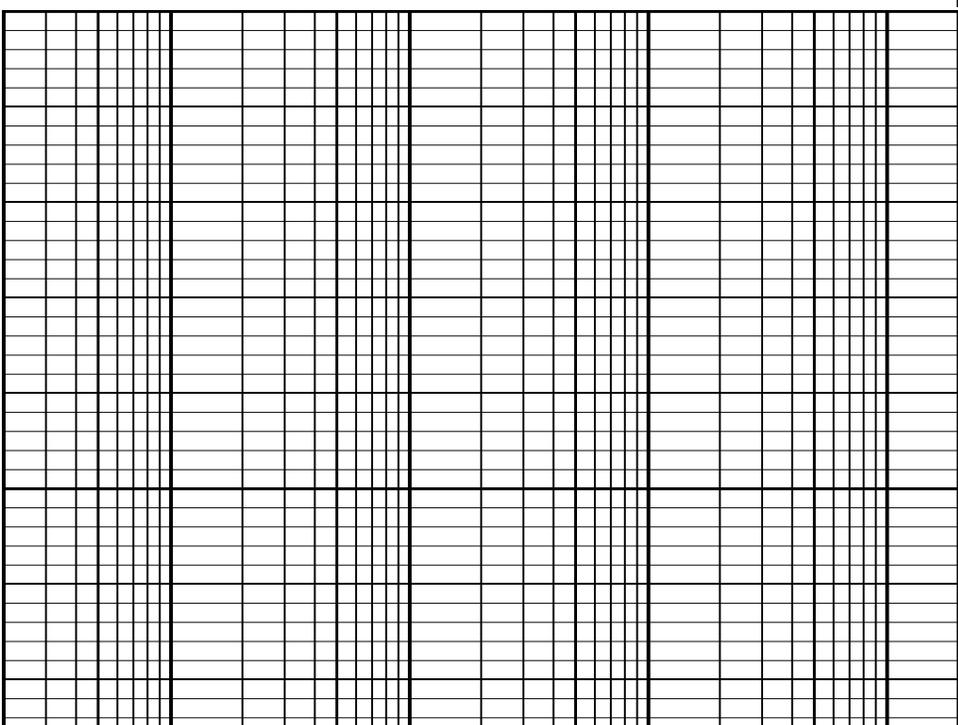
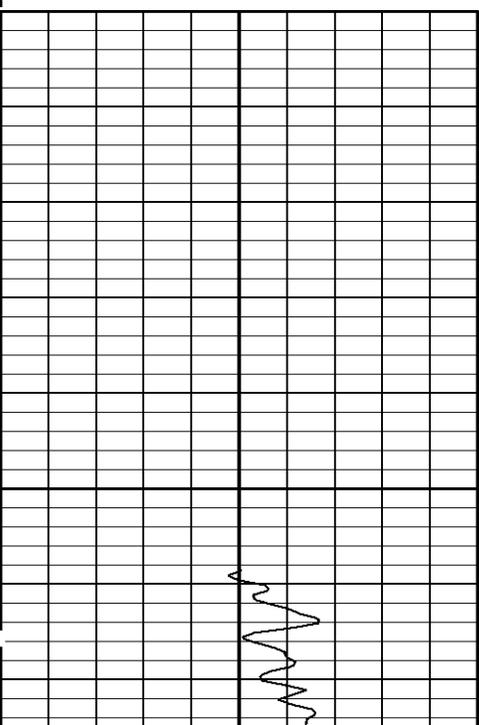
1:600 SECTION
2 INCH



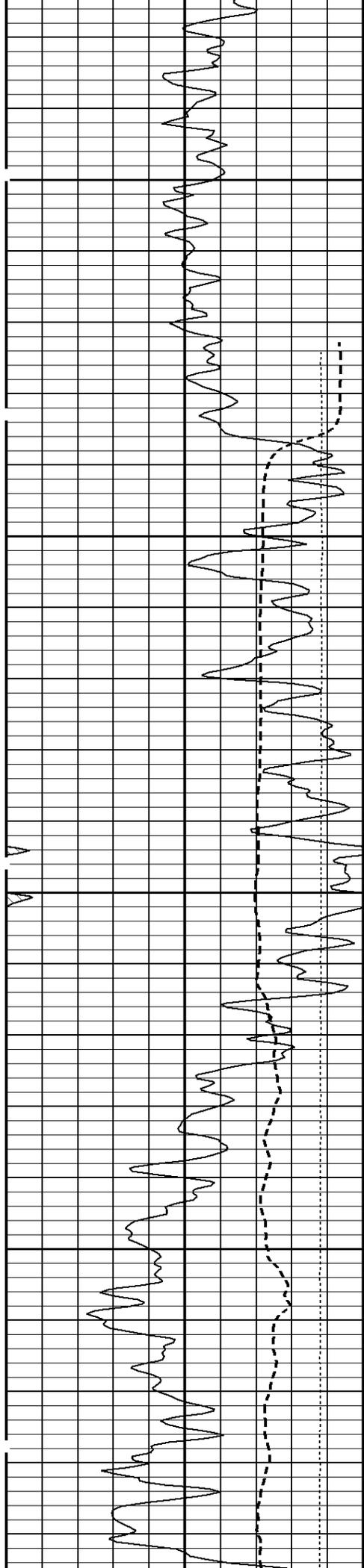
Well File: AND PEL 1 DEC 18 QUINT **Scale:** 1:240
Segment: V1.D1.S6 MAIN **Acquired:** Not Available
Reference: 0 **Processed:** Not Available



1:240 MAIN SECTION

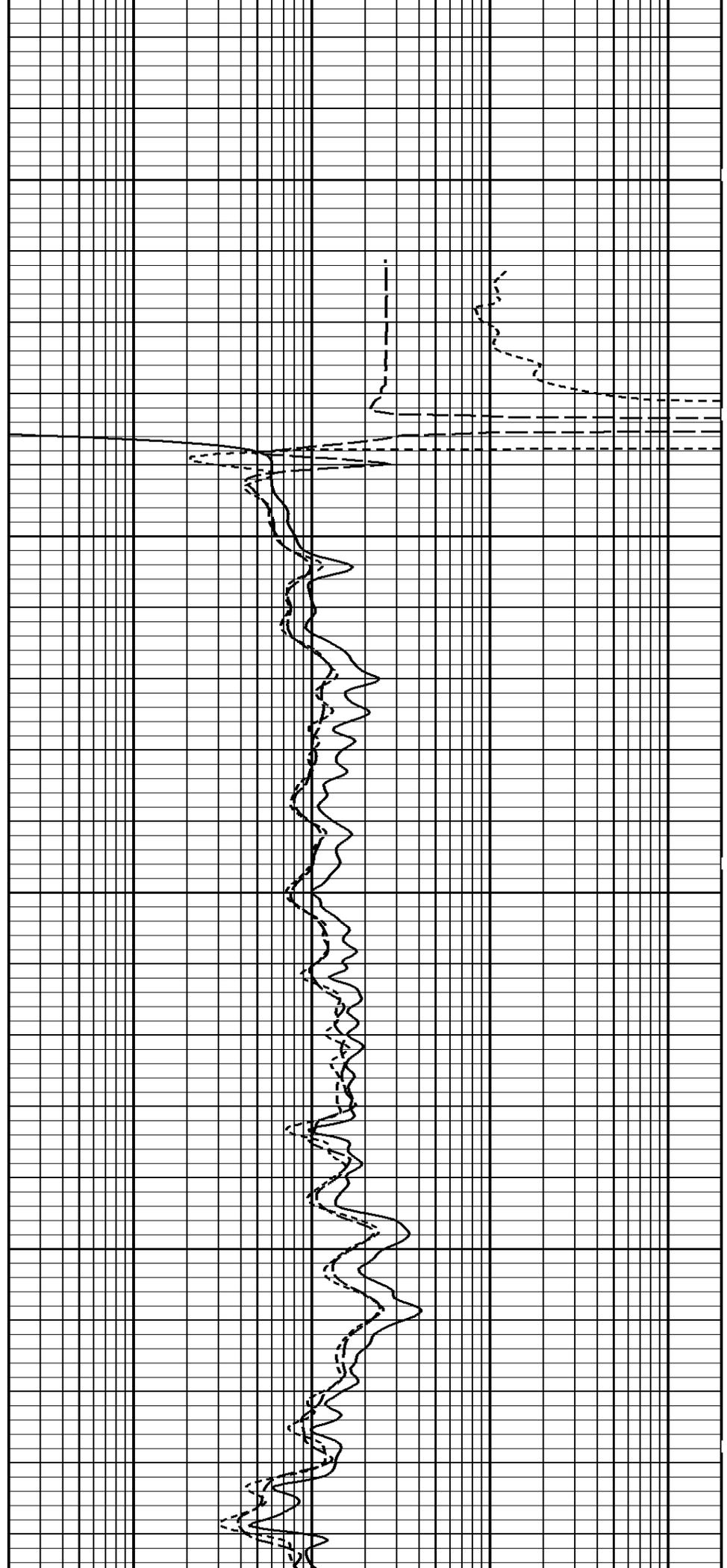


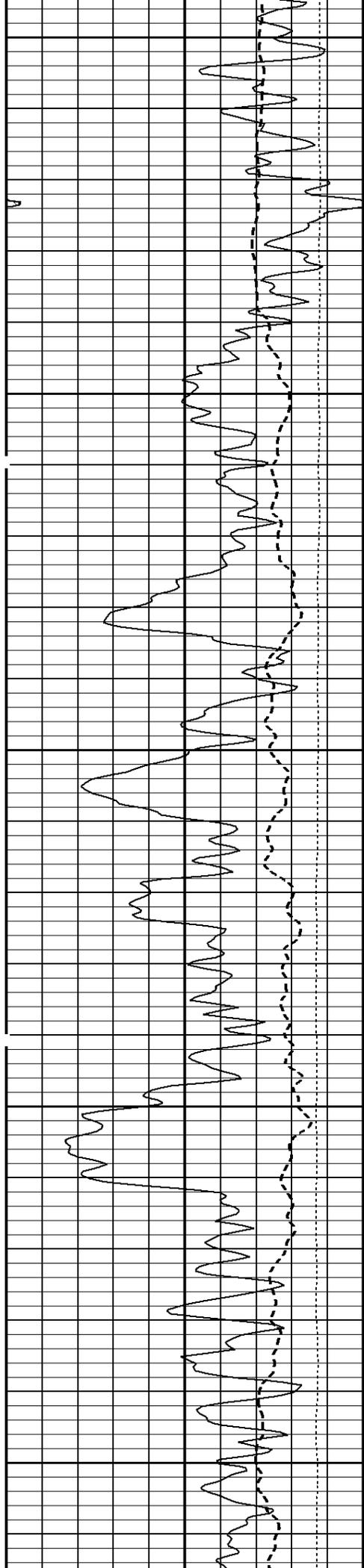
200



300

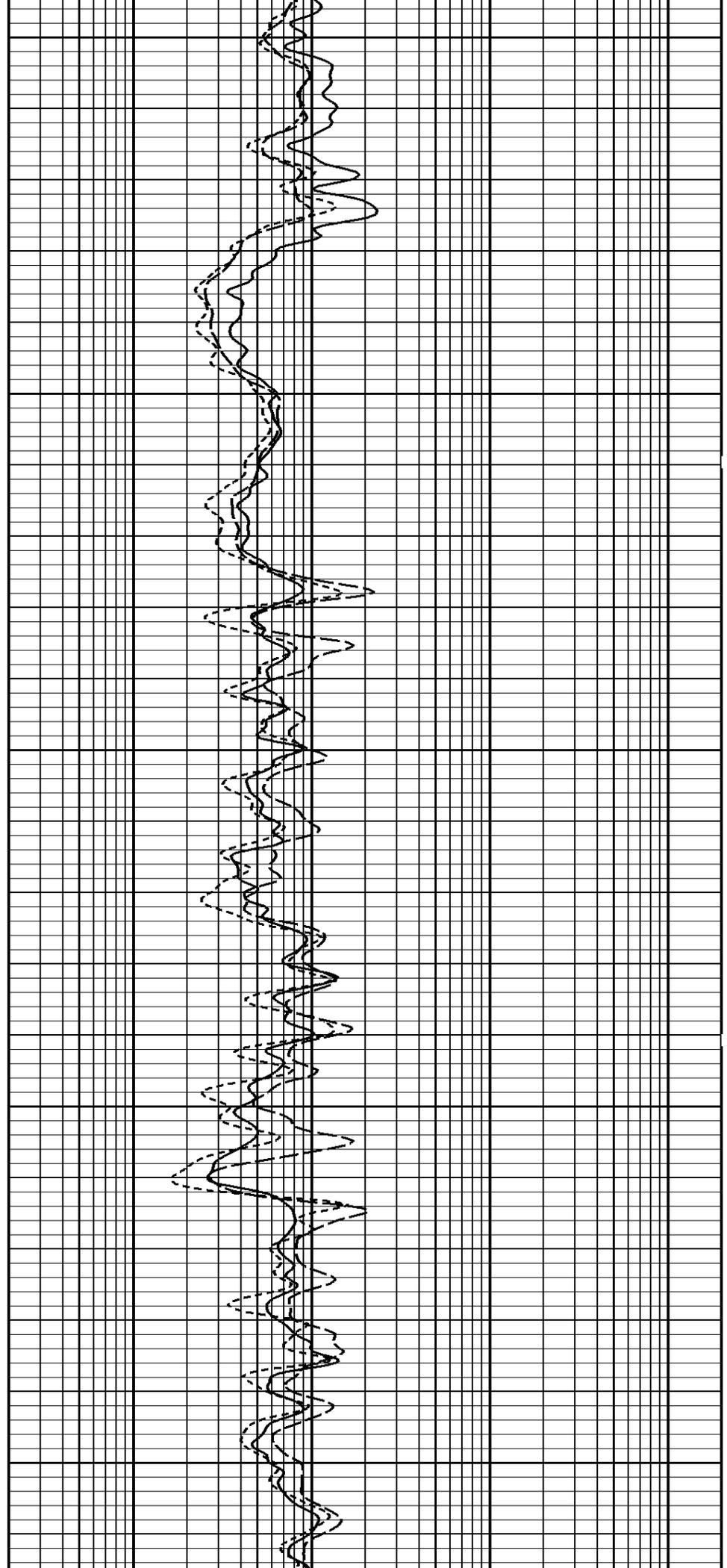
400

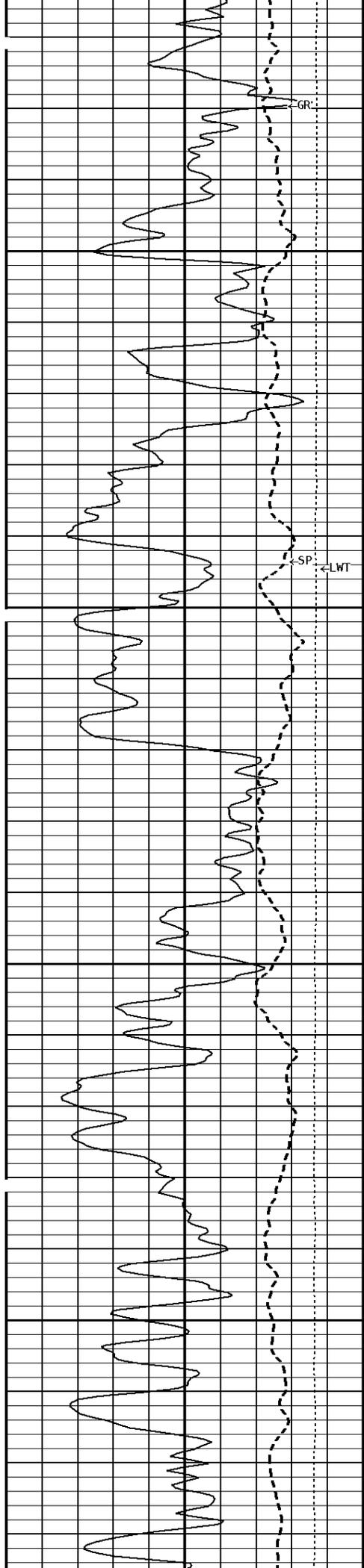




500

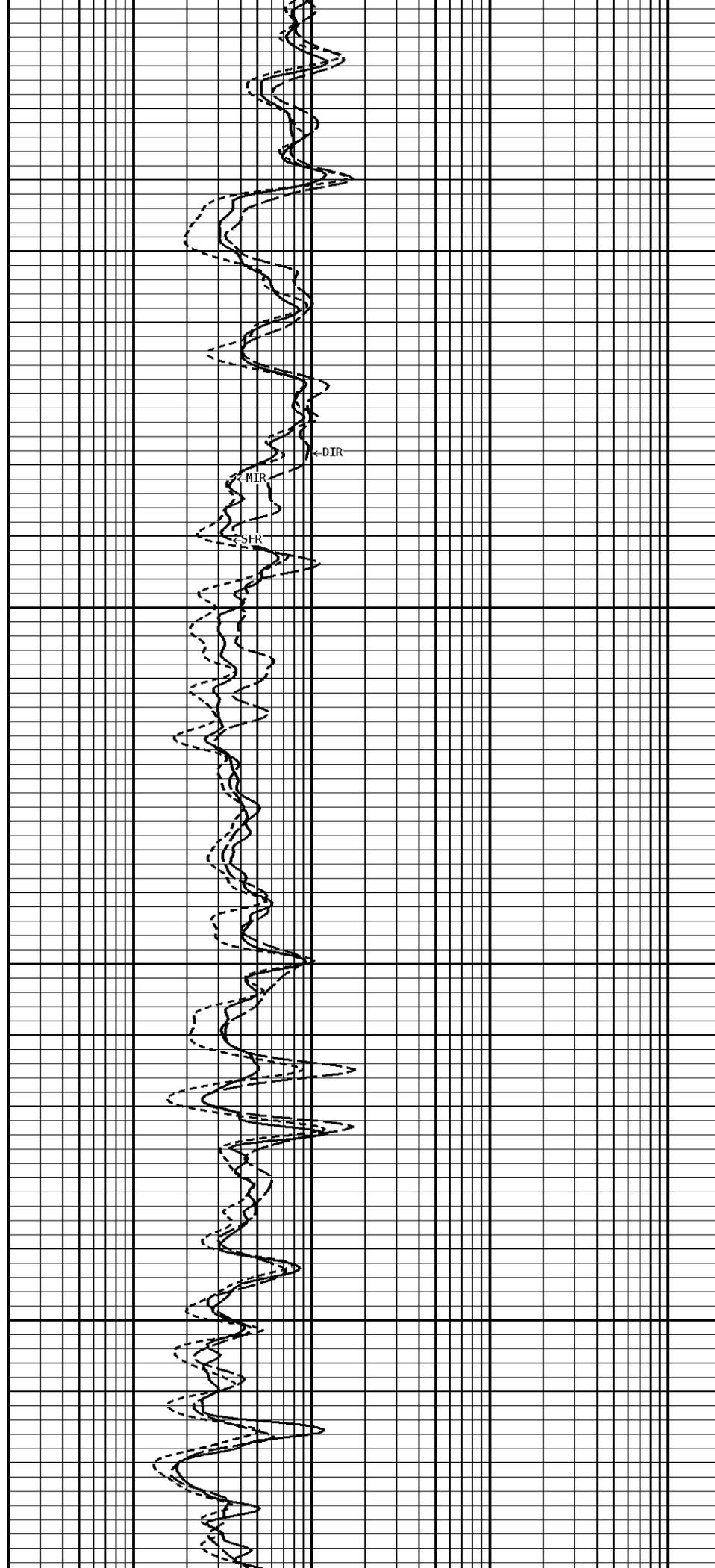
600

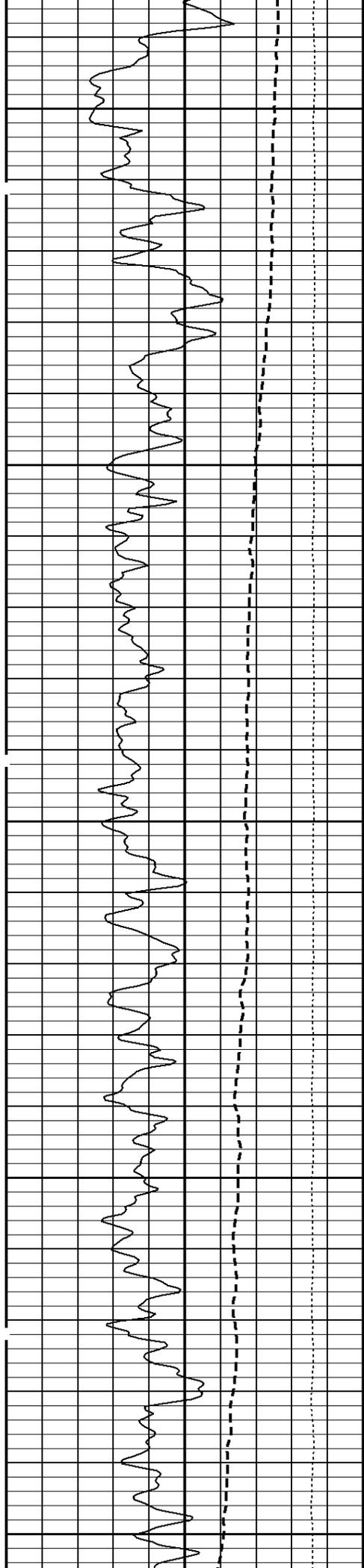




700

800

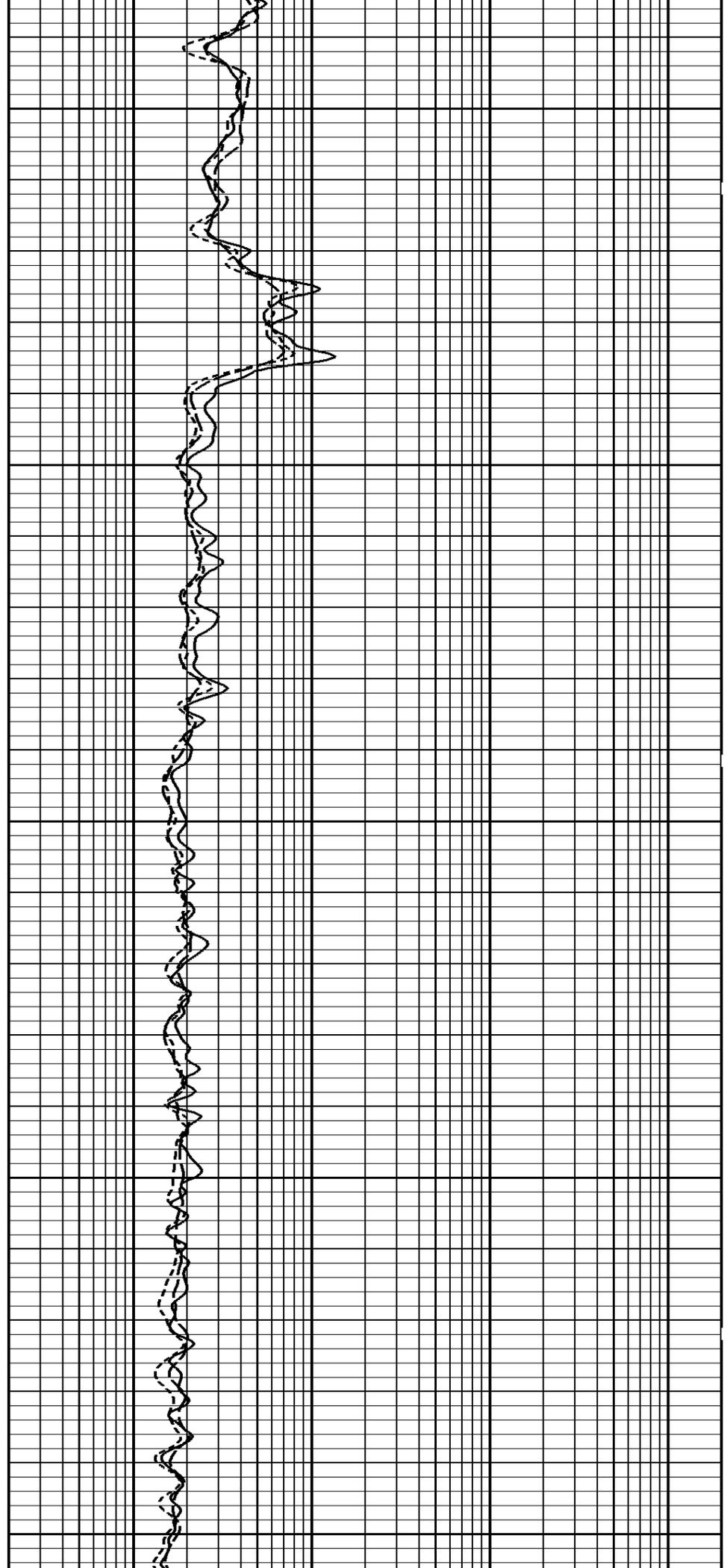


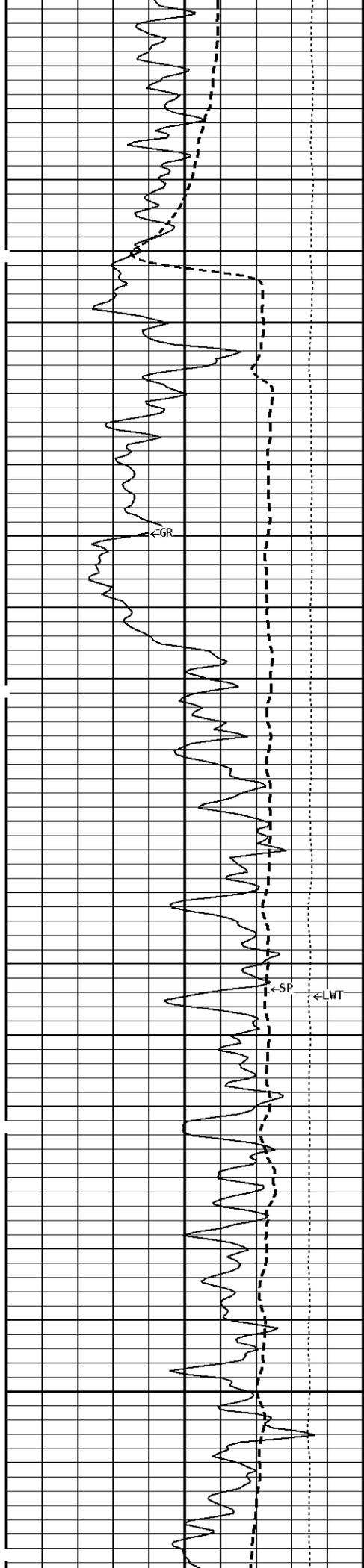


900

1000

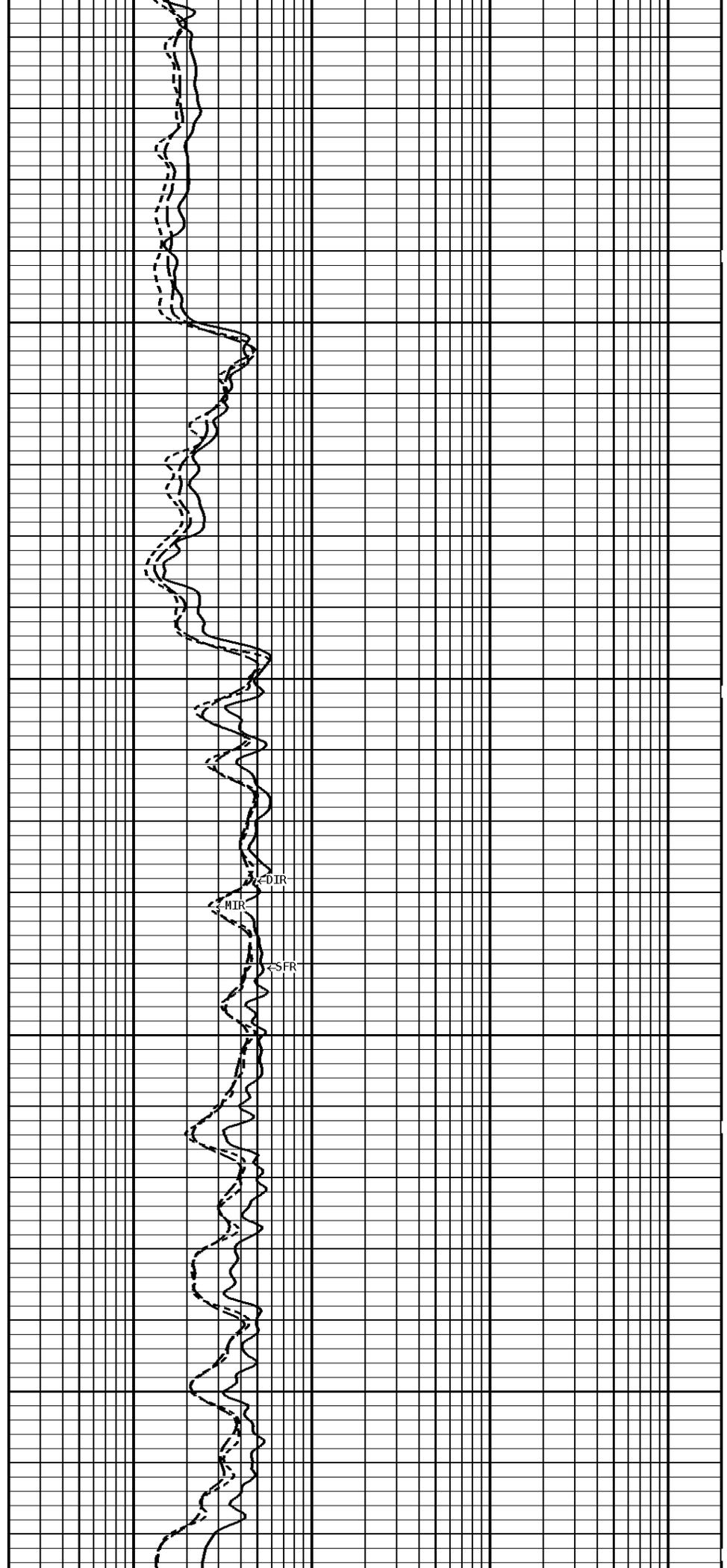
1100

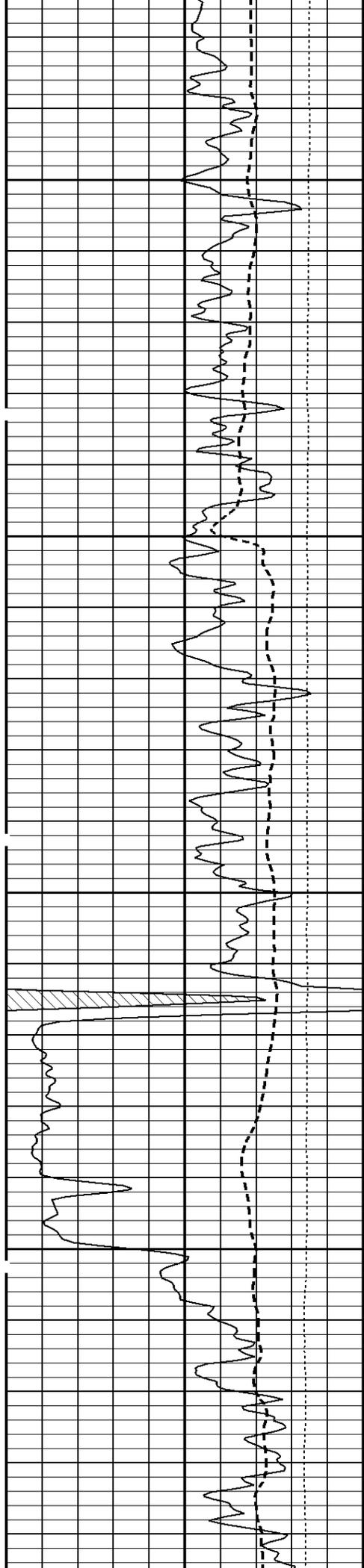




1200

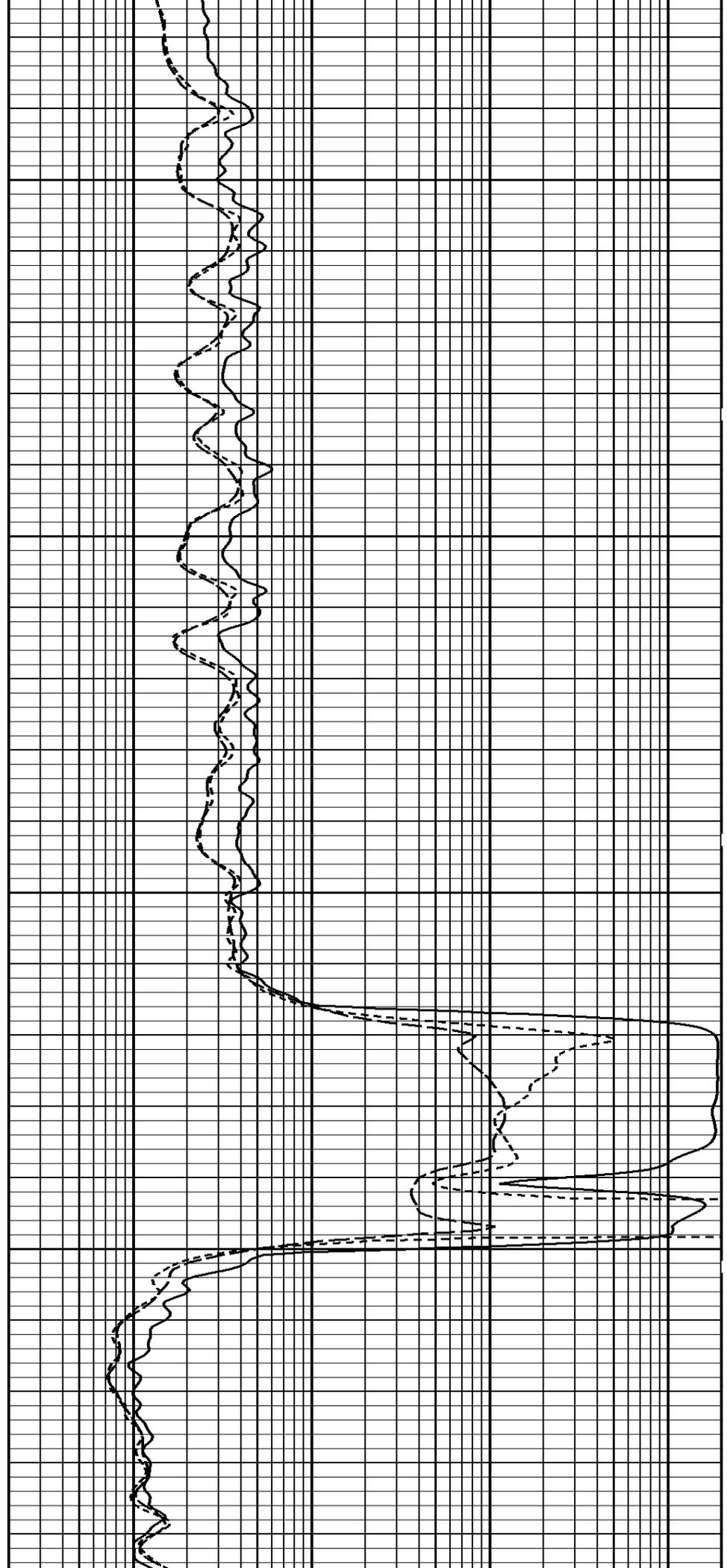
1300

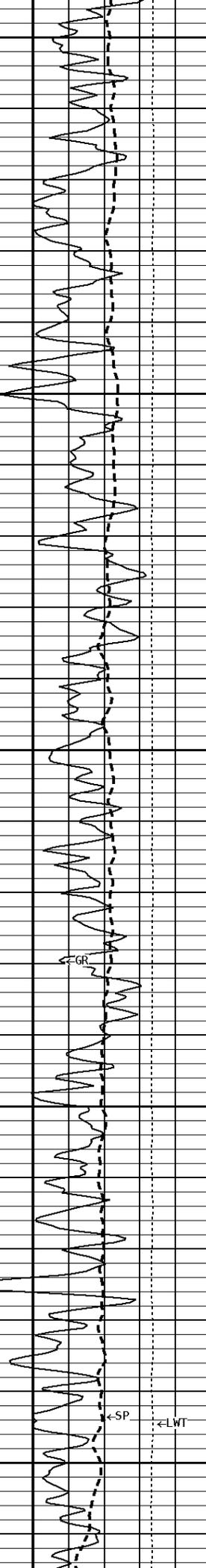




1400

1500

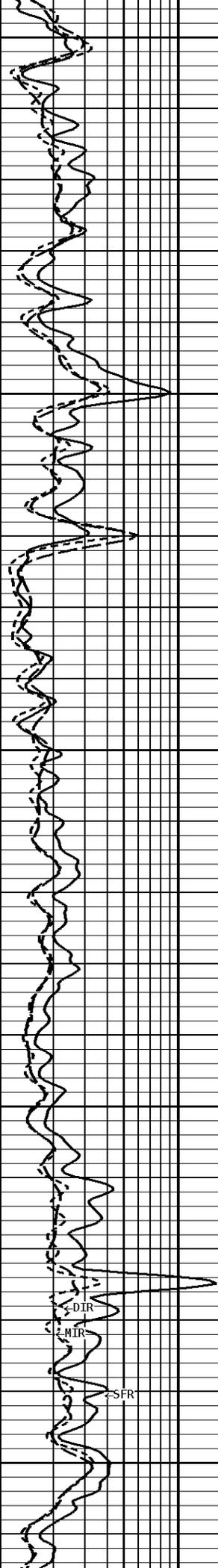


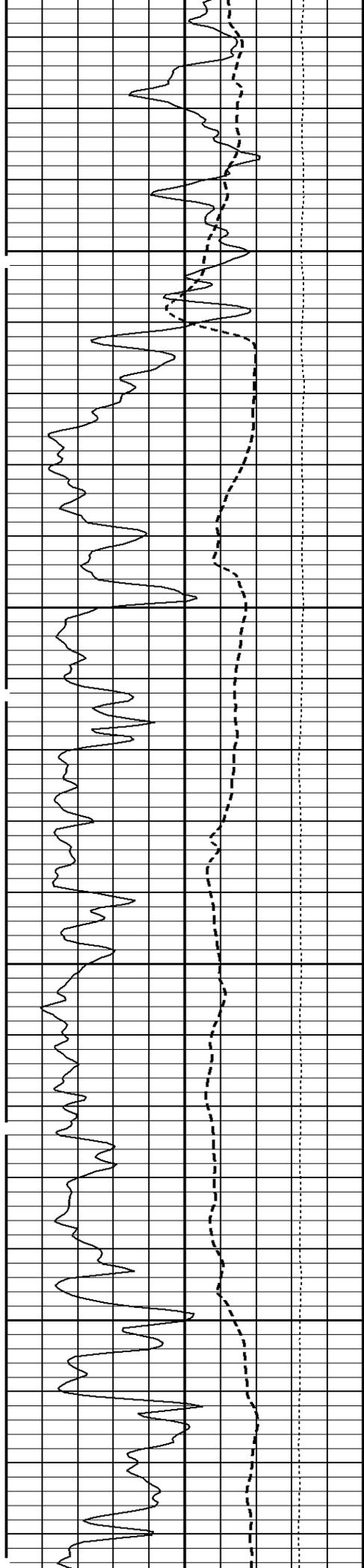


1600

1700

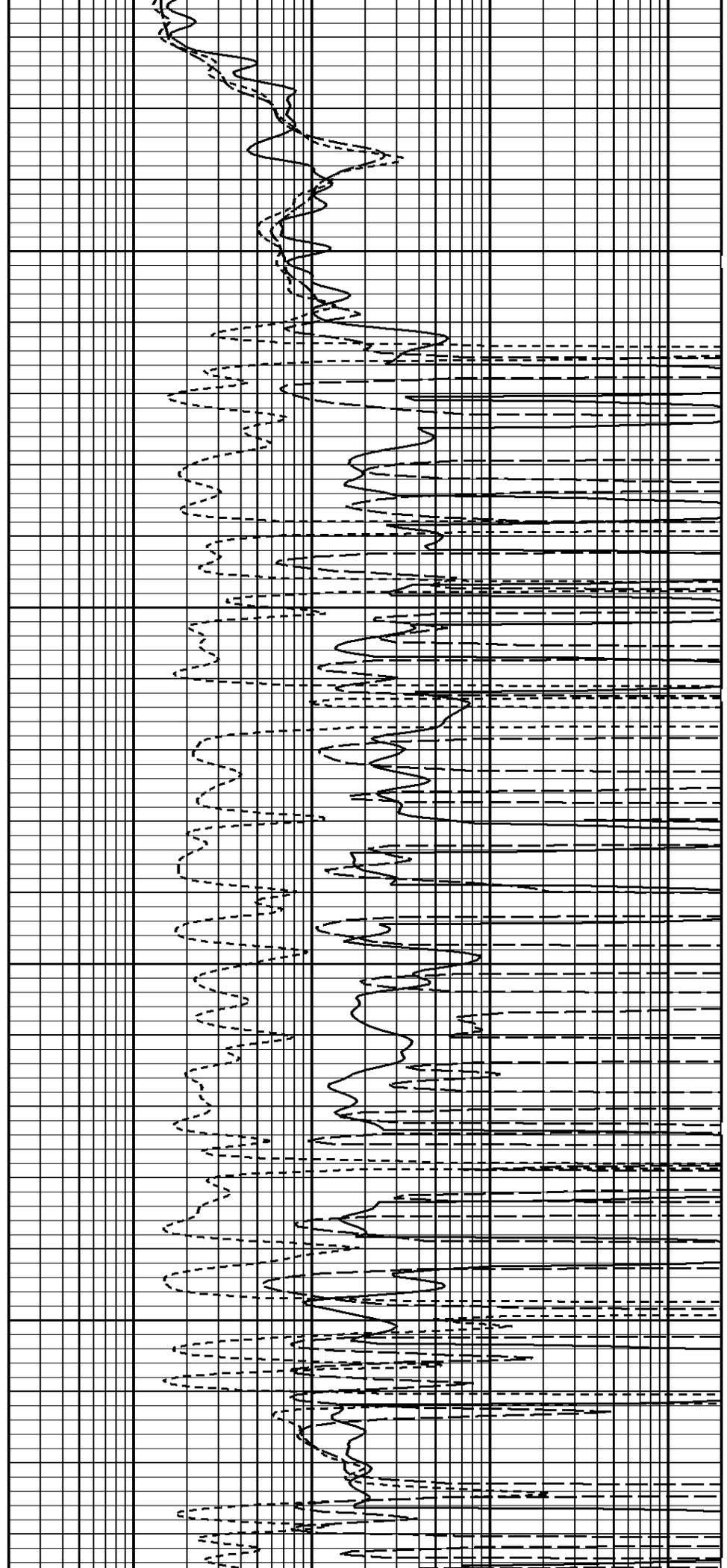
SP LWT

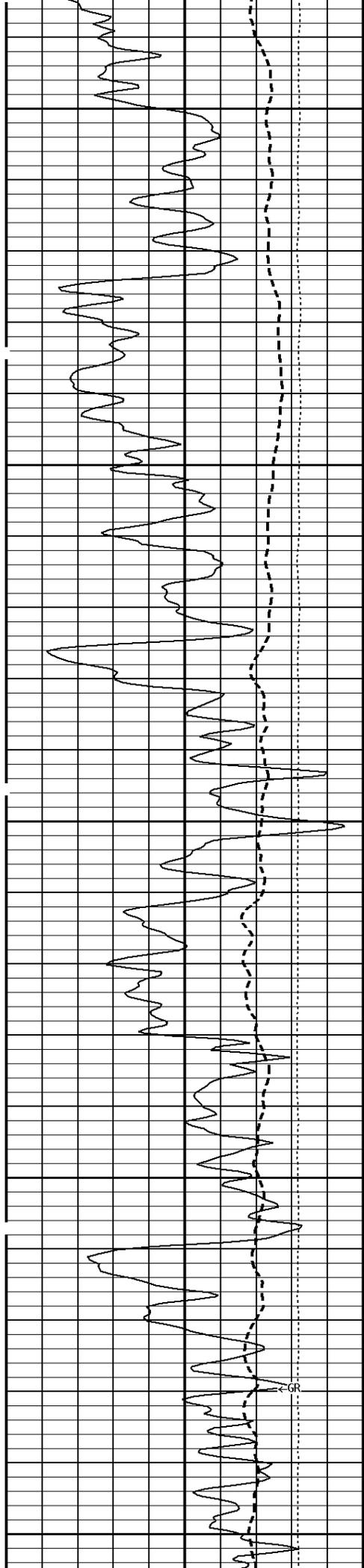




1800

1900

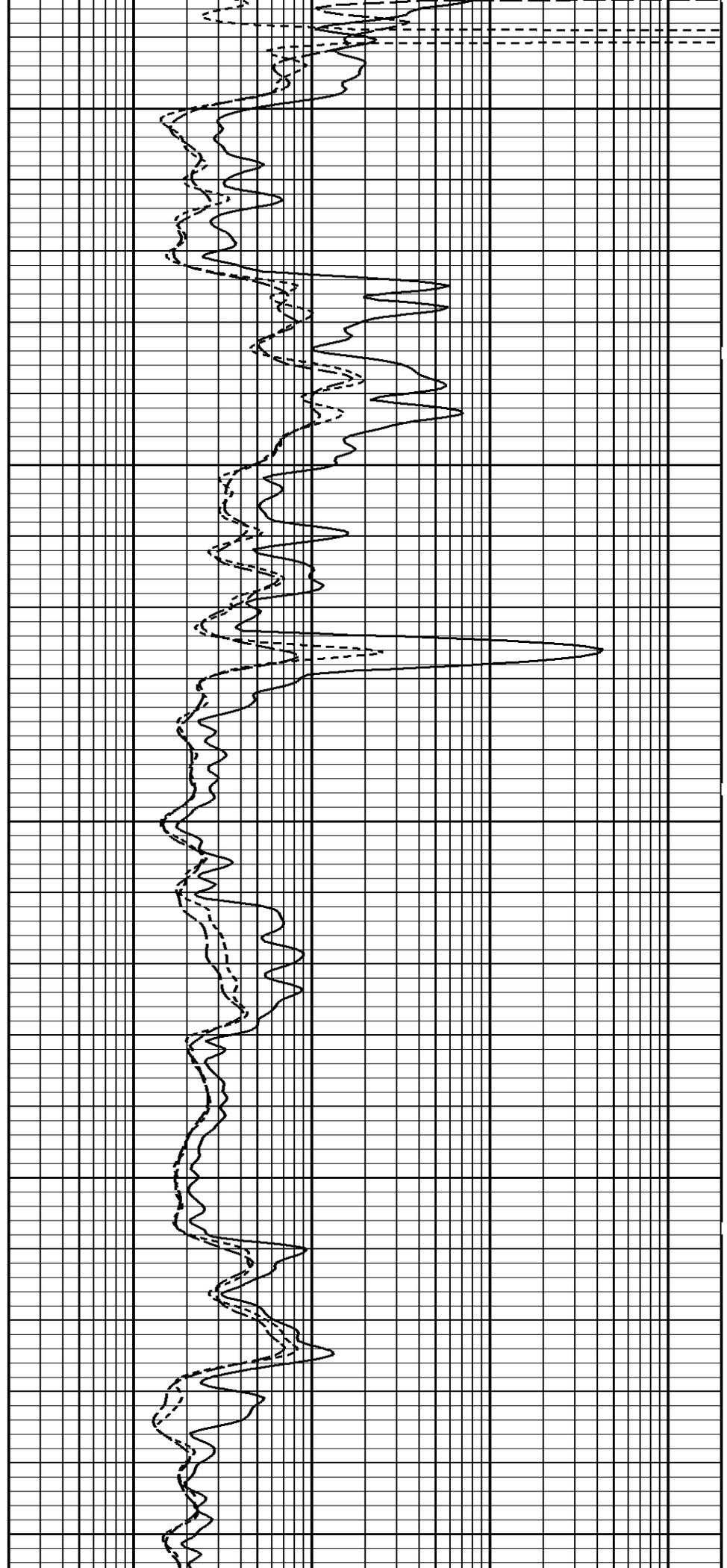


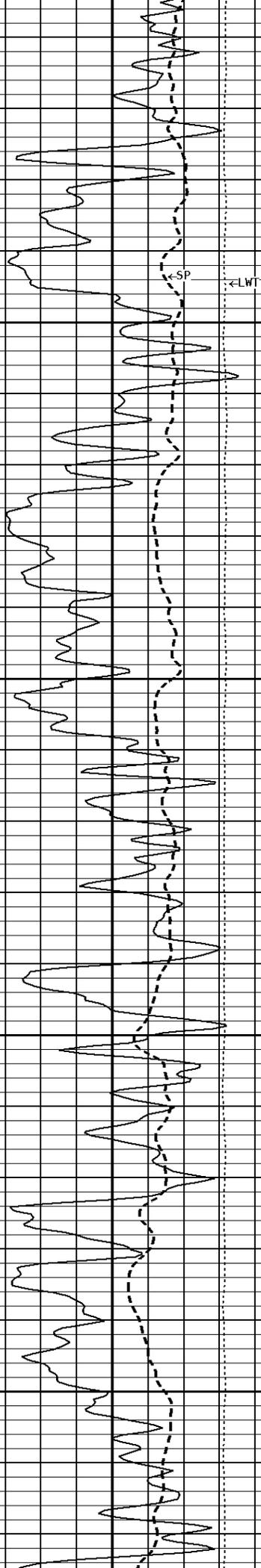


2000

2100

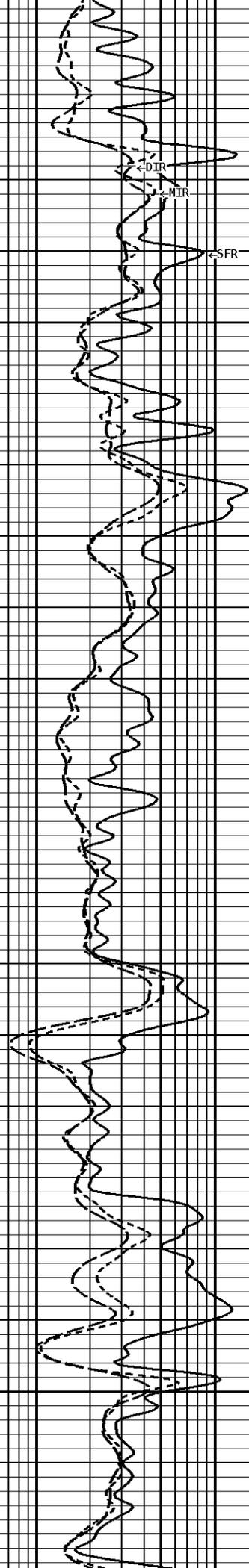
2200

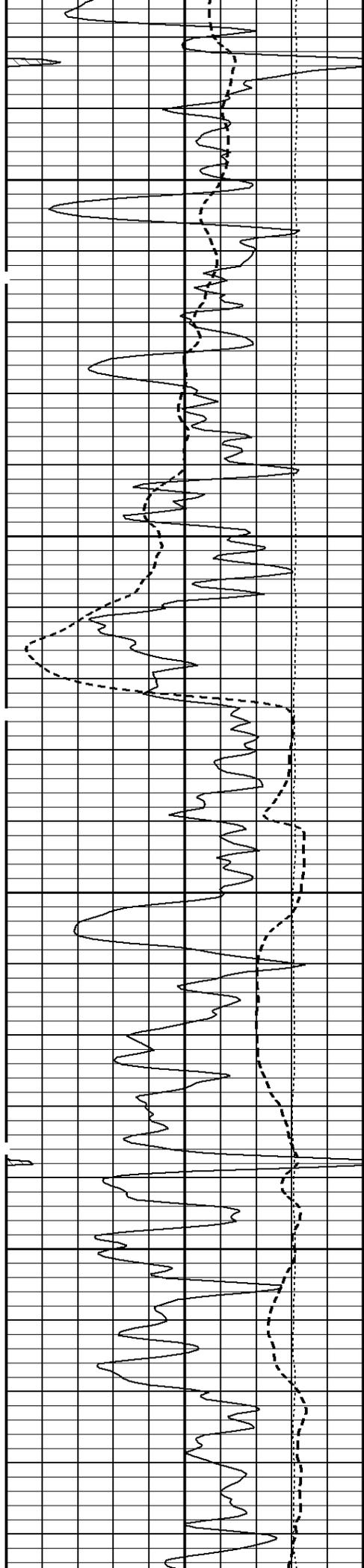




2300

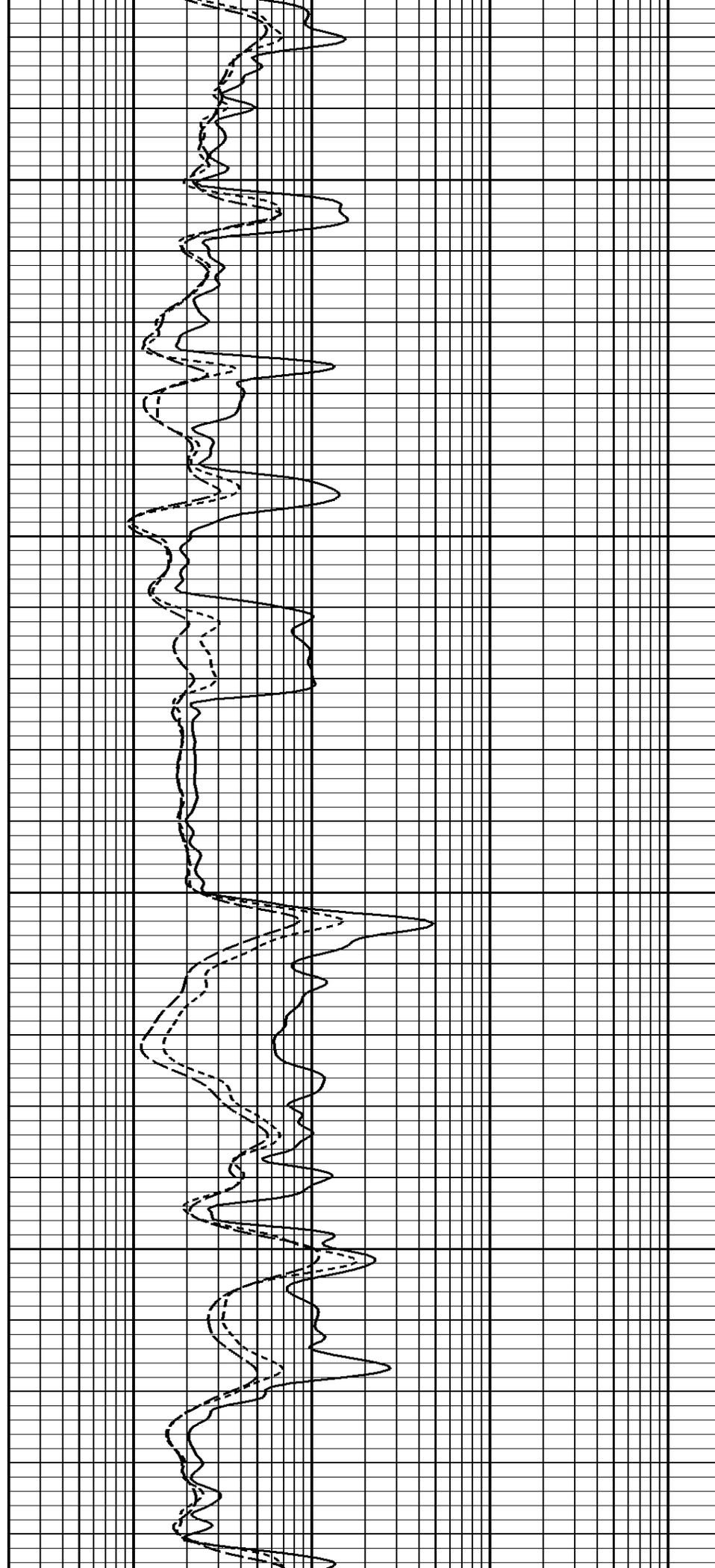
2400





2500

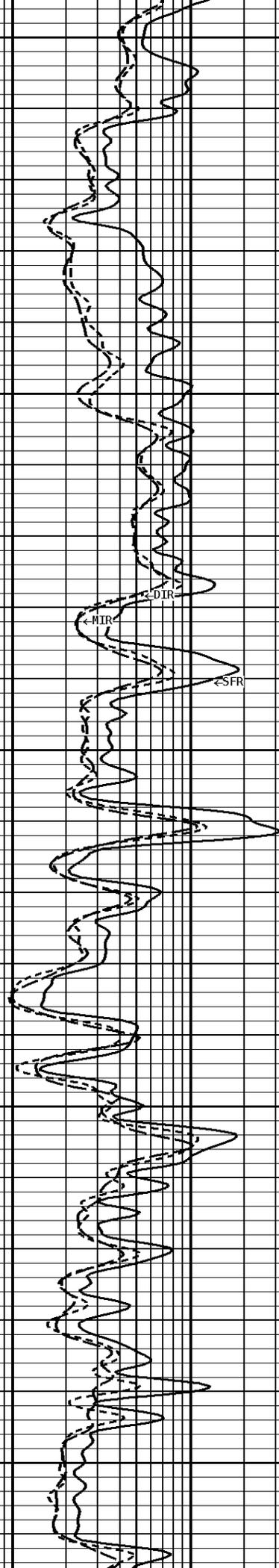
2600

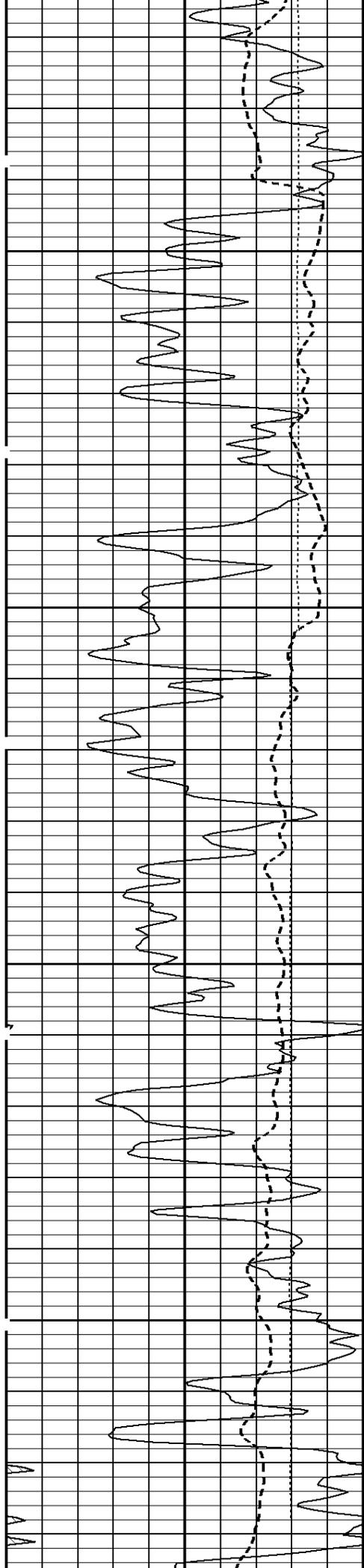




2700

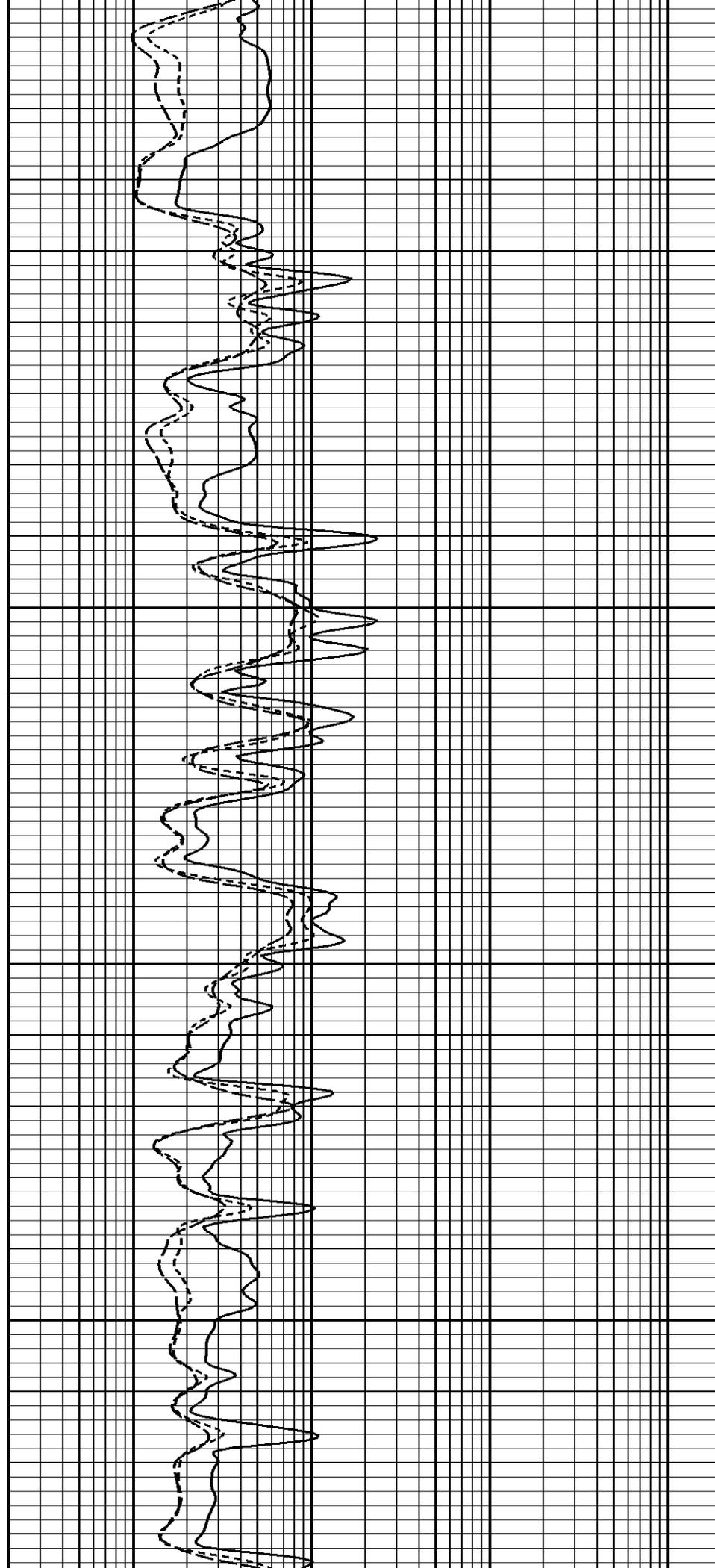
2800



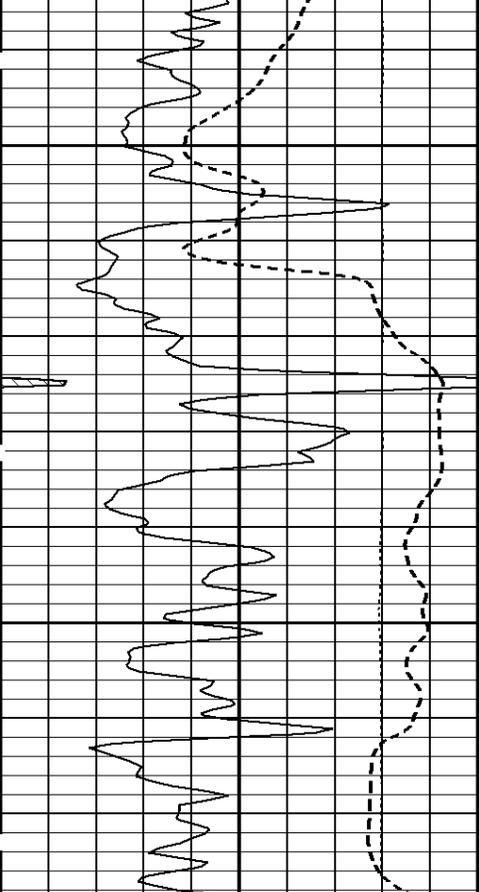


2900

3000

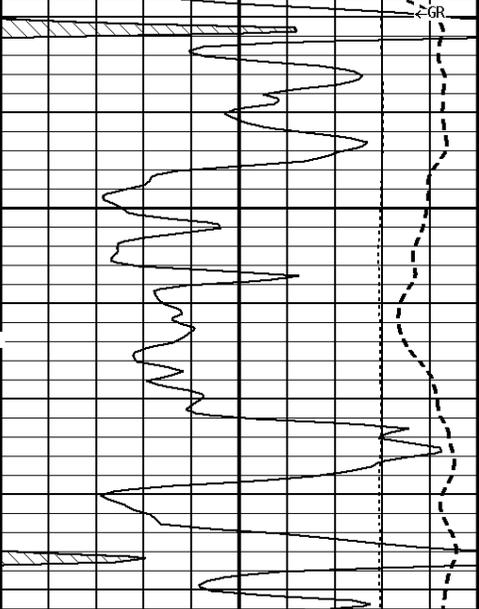


3100



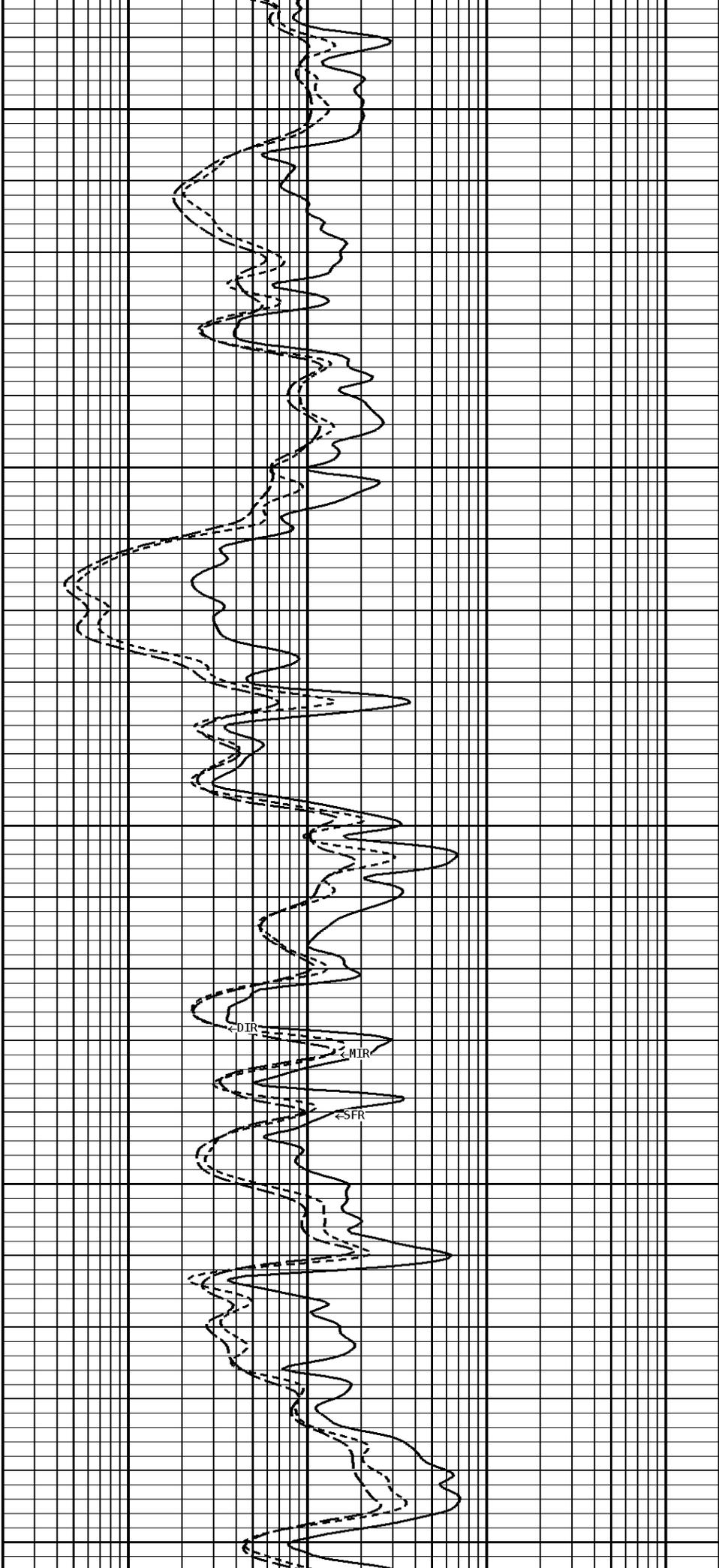
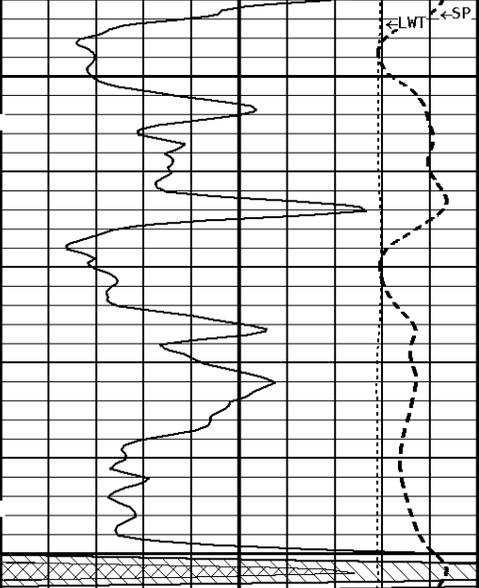
←GR

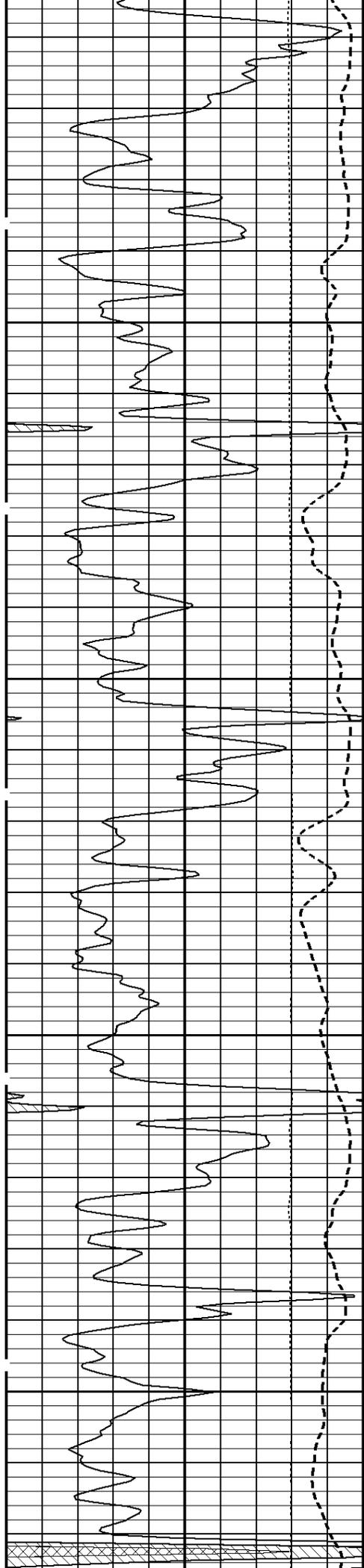
3200



←ELWT ←SP

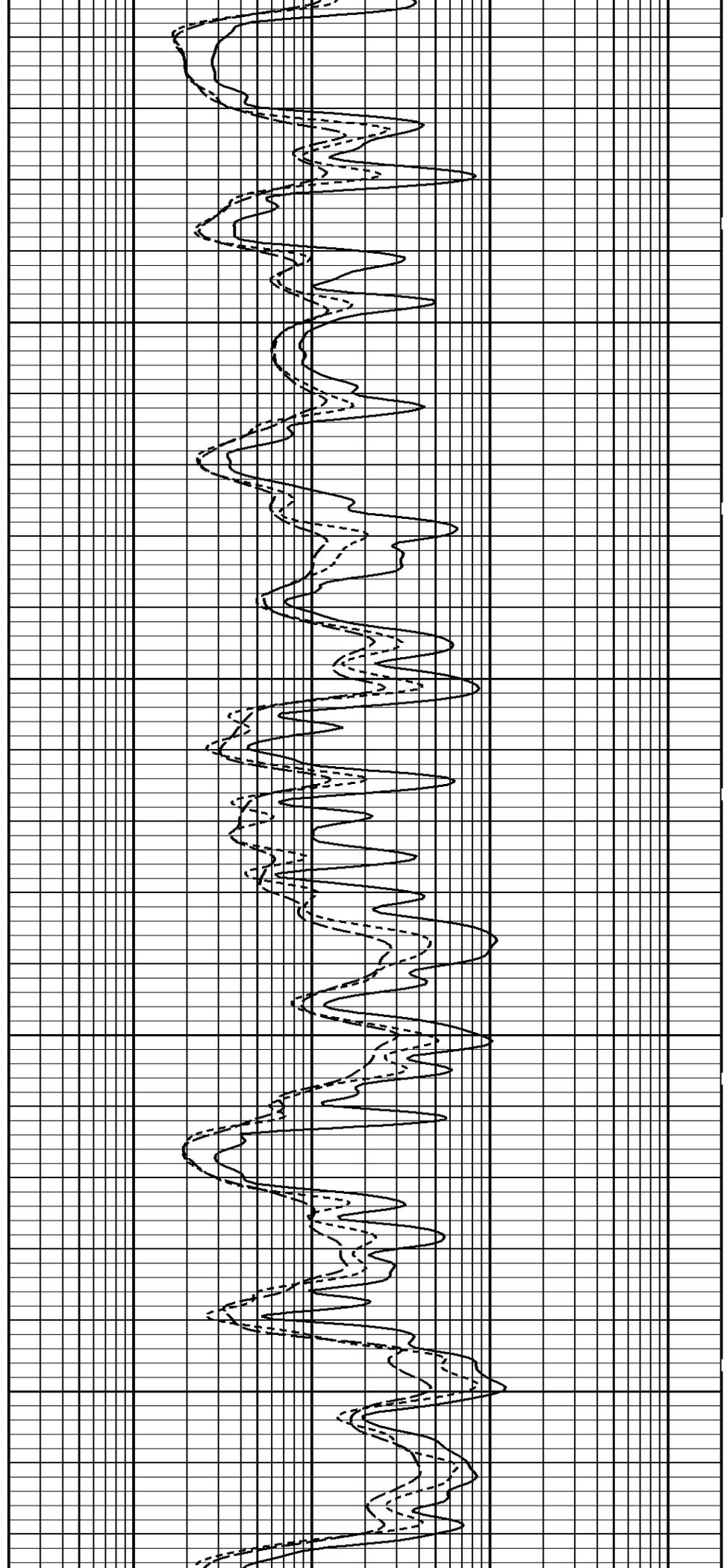
3300

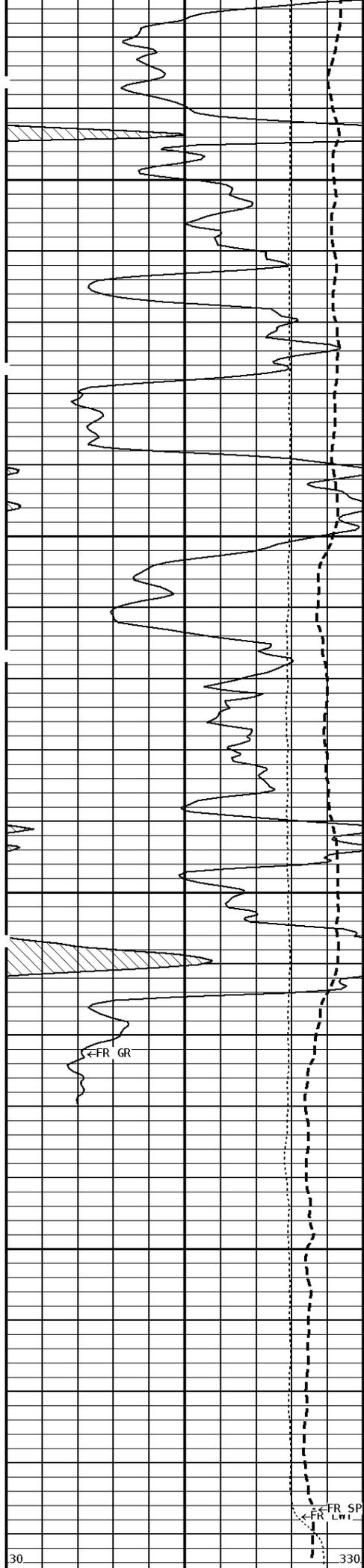




3400

3500

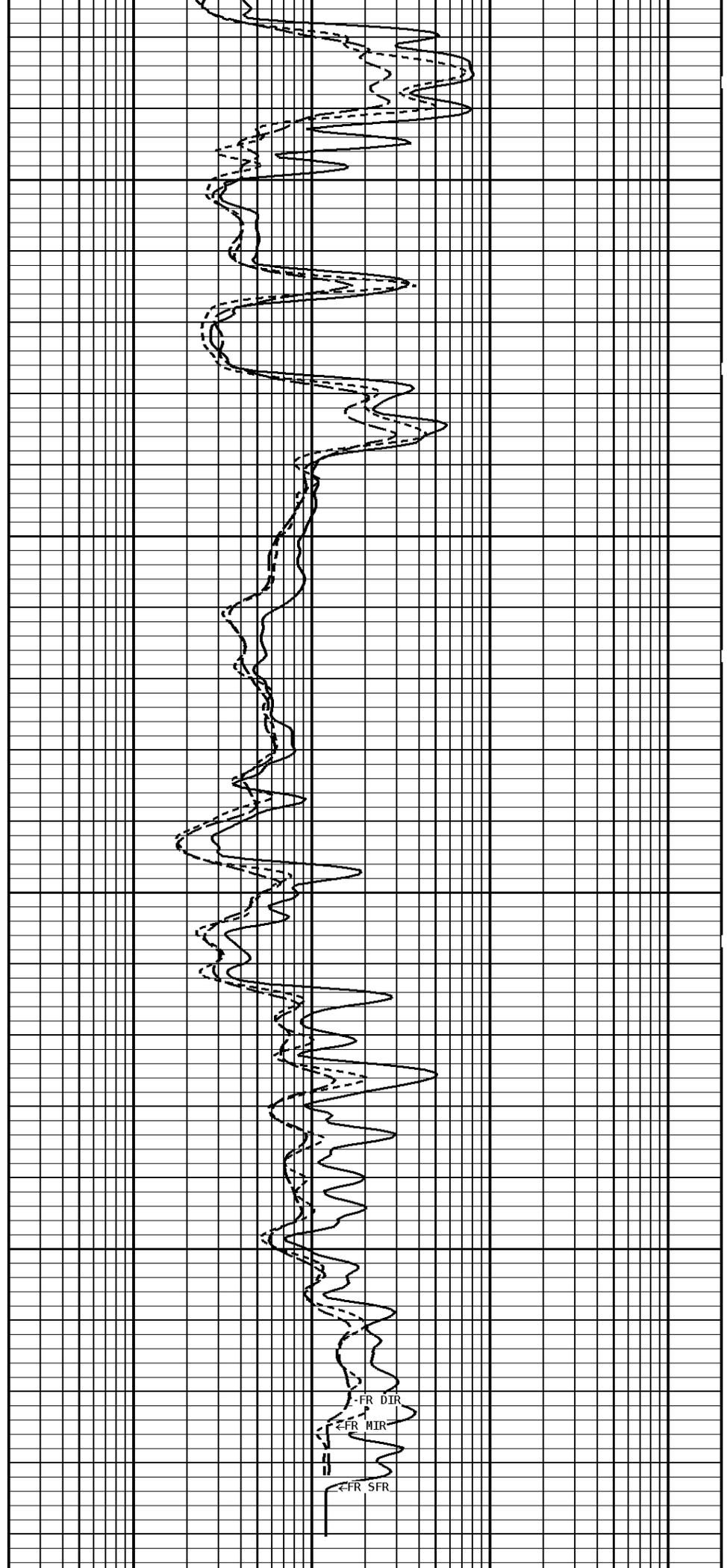




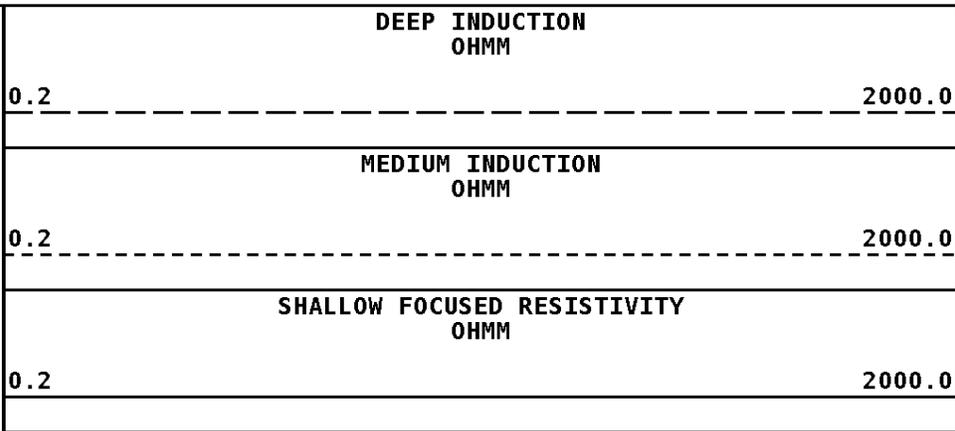
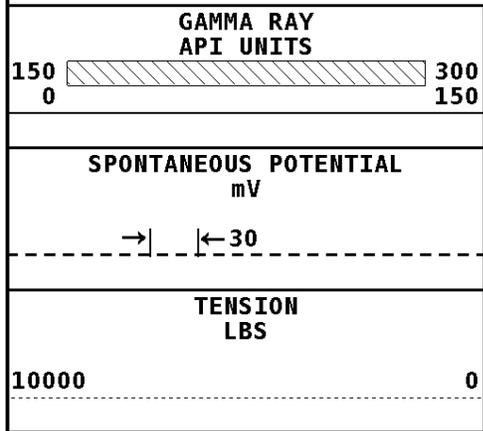
3600

3700

3738



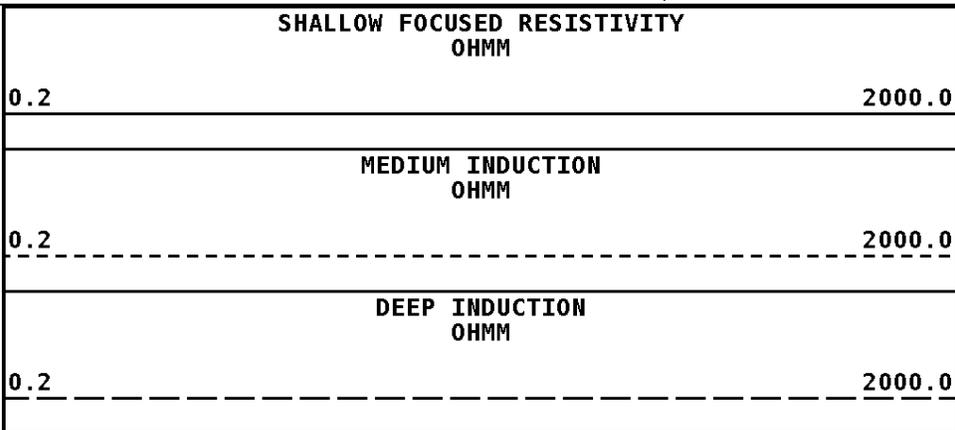
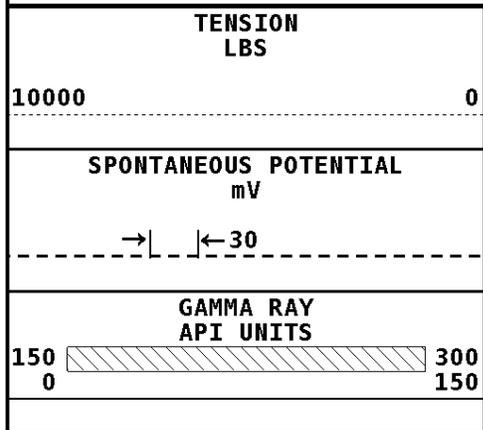
1:240 MAIN SECTION



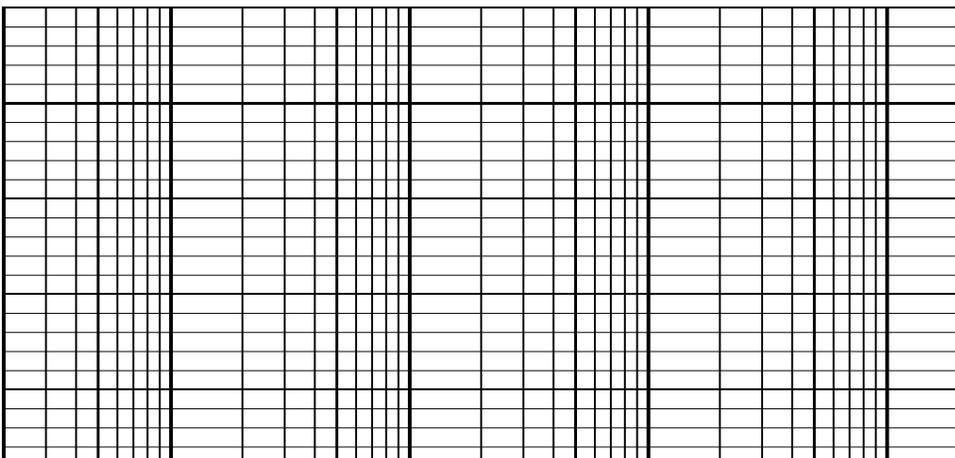
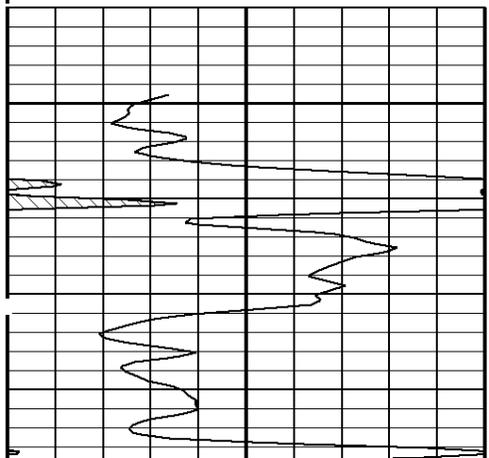
* Borehole Zone Factors *

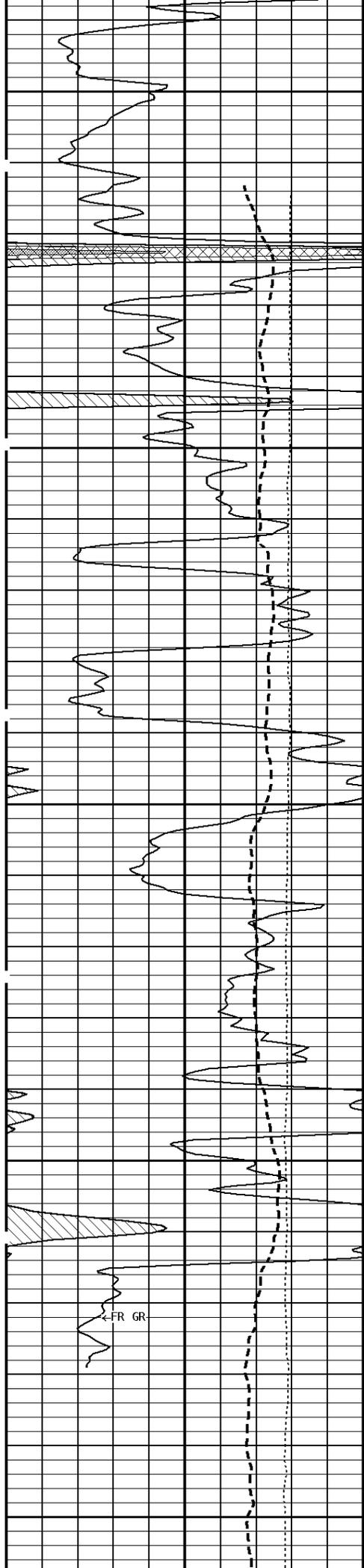
Zone 1 99999.0 to 0.0 Feet		
Temperature Gradient	_____	1.00 DFHF
BHT Depth	_____	3738.000 ft
Borehole Temperature	_____	95.0 degF
Drill Bit Size	_____	7.875 in
Resistivity Of Mud	_____	0.700 ohm/m
Resistivity Of Mud Temperature	_____	60.00 degF

Well File: AND PEL 1 DEC 18 QUINT	Scale: 1:240
Segment: V1.D1.S3 RE	Acquired: 2012-12/18 14:27 3.2.0-11401
Reference: 0	Processed: 2012-12/18 14:40 3.2.0-11401



1:240 REPEAT SECTION

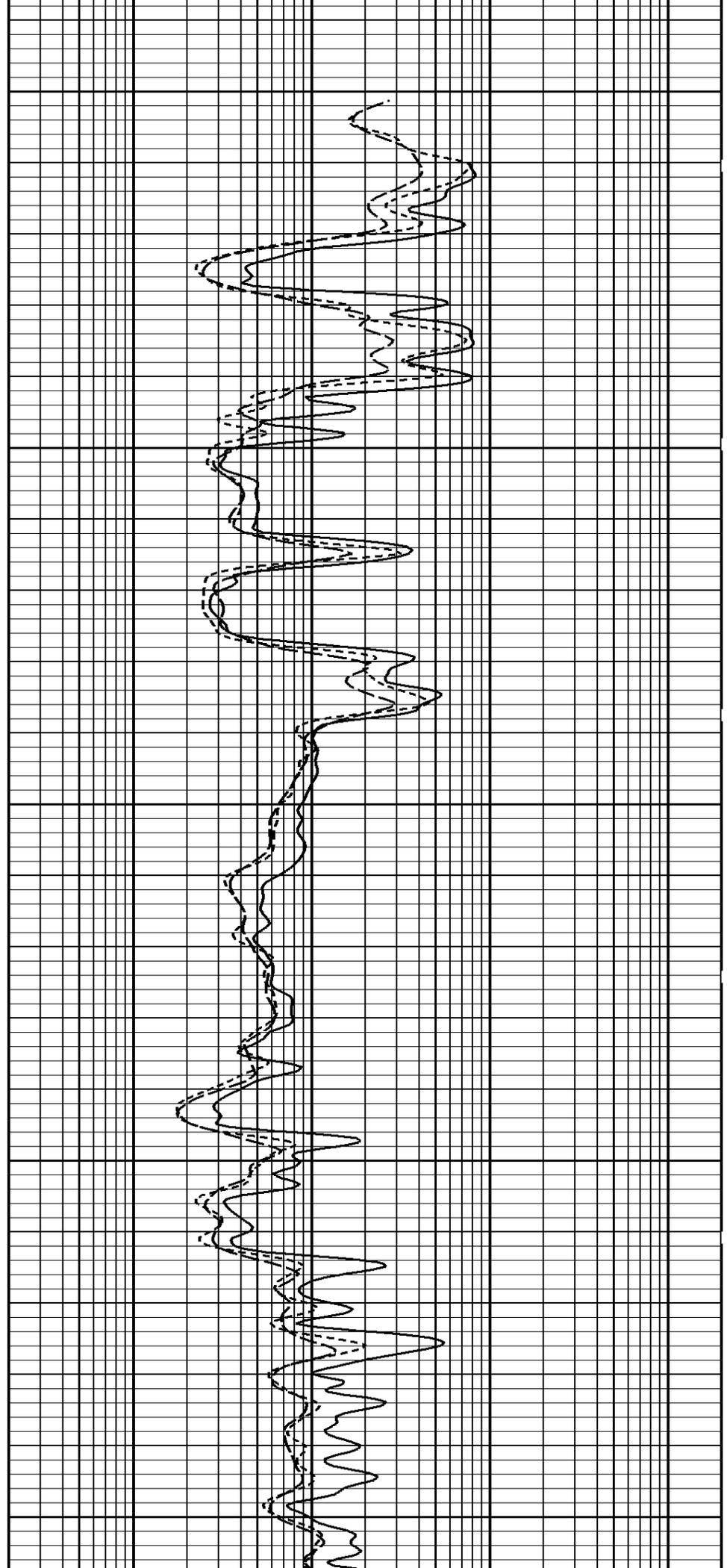


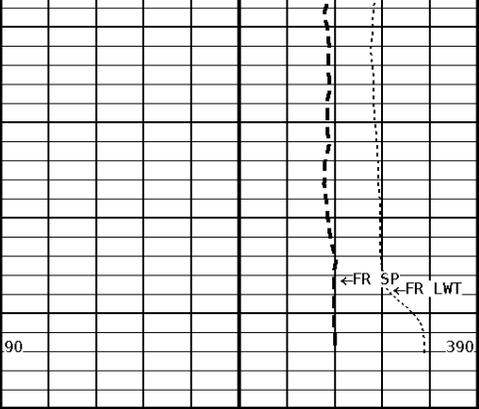


3500

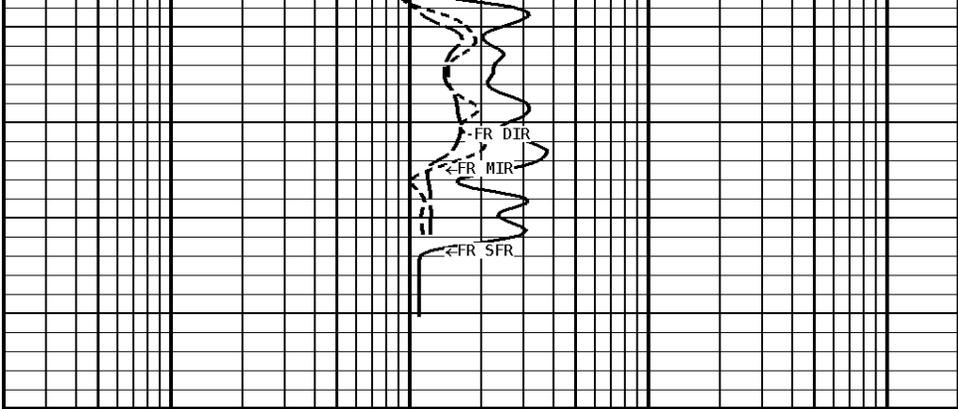
3600

3700

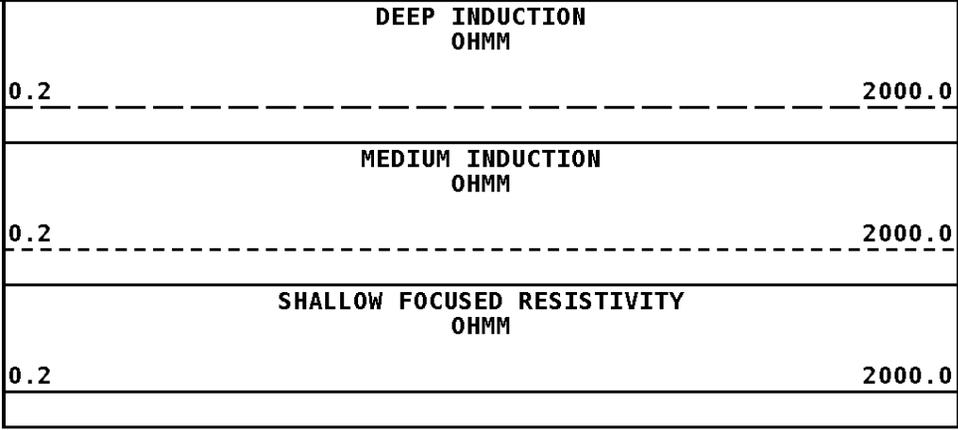
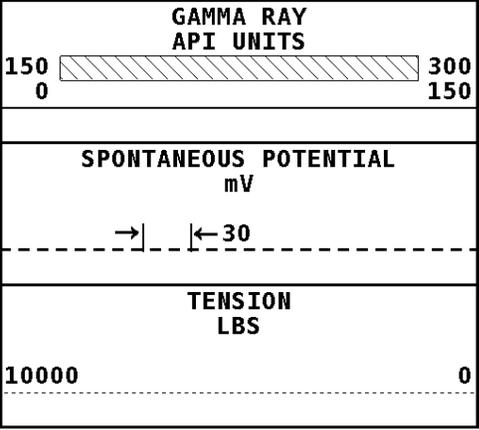




3738



1:240 REPEAT SECTION



*** Borehole Zone Factors ***

Zone 1 99999.0 to 0.0 Feet		
Drill Bit Size	7.875	in
BHT Depth	3738.000	ft
Borehole Temperature	95.0	degF
Temperature Gradient	1.00	DFHF
Resistivity Of Mud	0.700	ohm/m
Resistivity Of Mud Temperature	60.00	degF

*** Calibration Summary ***

Shop Calibration GRT-B					
Performed : 18-NOV-2012			Time : 10:33		
Sensor Suite : GR-GR5			ID : GRT-BC-43		
	Measured	Units	Calibrated	Units	
GR	Background	Jig	Jig	GRAPI	
	46	309	175		

Shop Calibration PIT-CA						
Performed : 14-NOV-2012			Time : 09:42			
Sensor Suite : P-IND-T			ID : PIT-AC-13			
	Measured		Calibrated		Units	
	R	X	R	X		
Air	136364	125026	0.6	1.8	MMHOS	
Zero	131065	131067	-37.0	59.1	MMHOS	
Reference	251007	249348	4963.0	5059.1	MMHOS	
Loop	157313	168781	2723.5	978.2	MMHOS	
Sonde Error			-12.9	-382.0	MMHOS	
Cond			4963.0	5059.1	MMHOS	

Shop Calibration PIT-CA (continued)						
	Measured		Calibrated		Units	
	R	X	R	X		
Air	133111	127352	0.3	0.9	MMHOS	

Zero	131083	131069	24.8	12.6	MMHOS
Reference	236576	235896	2024.8	2012.6	MMHOS
Loop	154678	172699	1274.4	457.1	MMHOS
Sonde Error			4.6	-122.4	MMHOS
Cond			2024.8	2012.6	MMHOS

Temperature					
Measured			Calibrated		Units
Low	High		Low	High	
16980.0	56920.0		70.0	350.0	DEGF

Performed : 14-NOV-2012 Time : 10:00
 Sensor Suite : SFL ID : PIT-AC-13

Internal					
Measured			Calibrated		Units
Zero	Reference		Zero	Reference	
Im	32768.7	49243.8	0.0	7028.0	uA
Ib	32771.9	49324.2	0.0	1750.0	mA
MOM1	32775.5	60269.6	0.0	175.0	mV
Equivalent SFL				43.97	OHMM

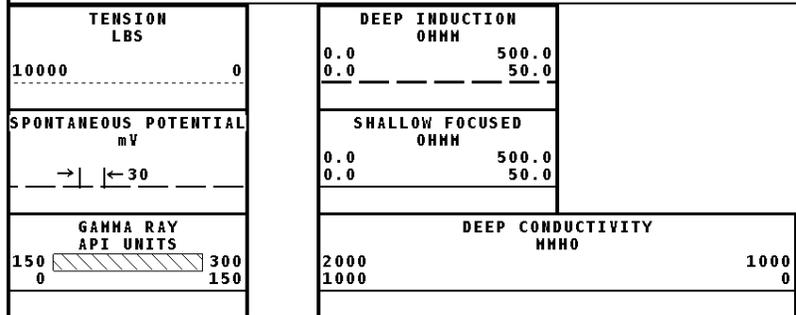
Performed : 14-NOV-2012 Time : 10:03
 Sensor Suite : P-SP ID : PIT-AC-13

Internal					
Measured			Calibrated		Units
Zero	Reference		Zero	Reference	
	32769.2	58922.1	0.0	1000.0	mV

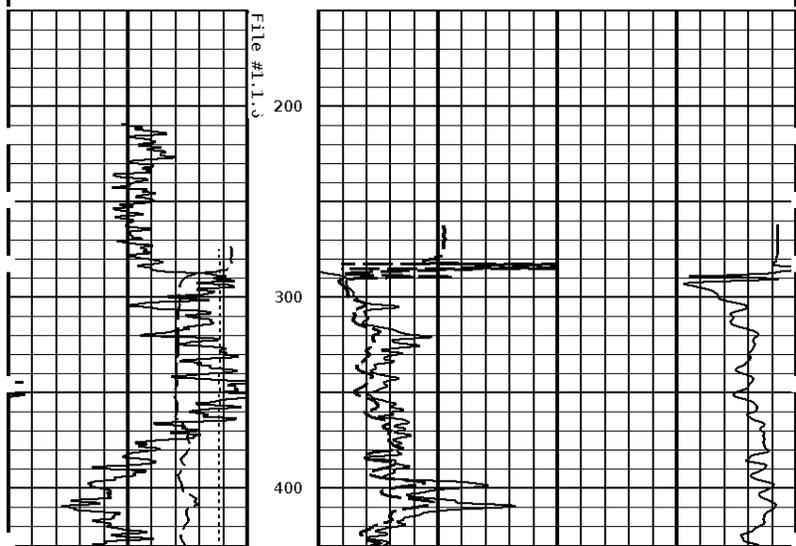
Performed : 14-NOV-2012 Time : 10:06
 Sensor Suite : P-RMUD ID : PIT-AC-13

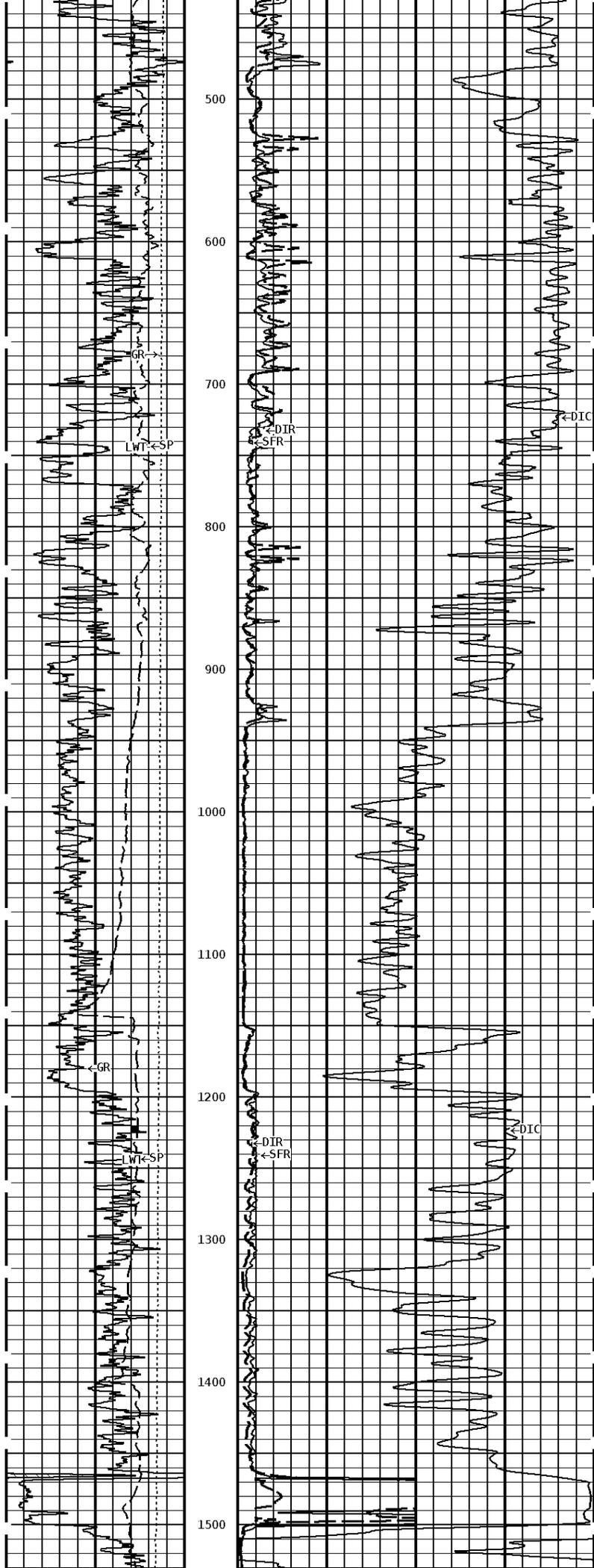
Internal					
Measured			Calibrated		Units
Zero	Reference		Zero	Reference	
Rmi	0.0	34825.0	0.0	290.6	mA
Rmv	0.0	34825.0	0.0	290.6	mV
Equivalent Rm				0.0871	OHMM

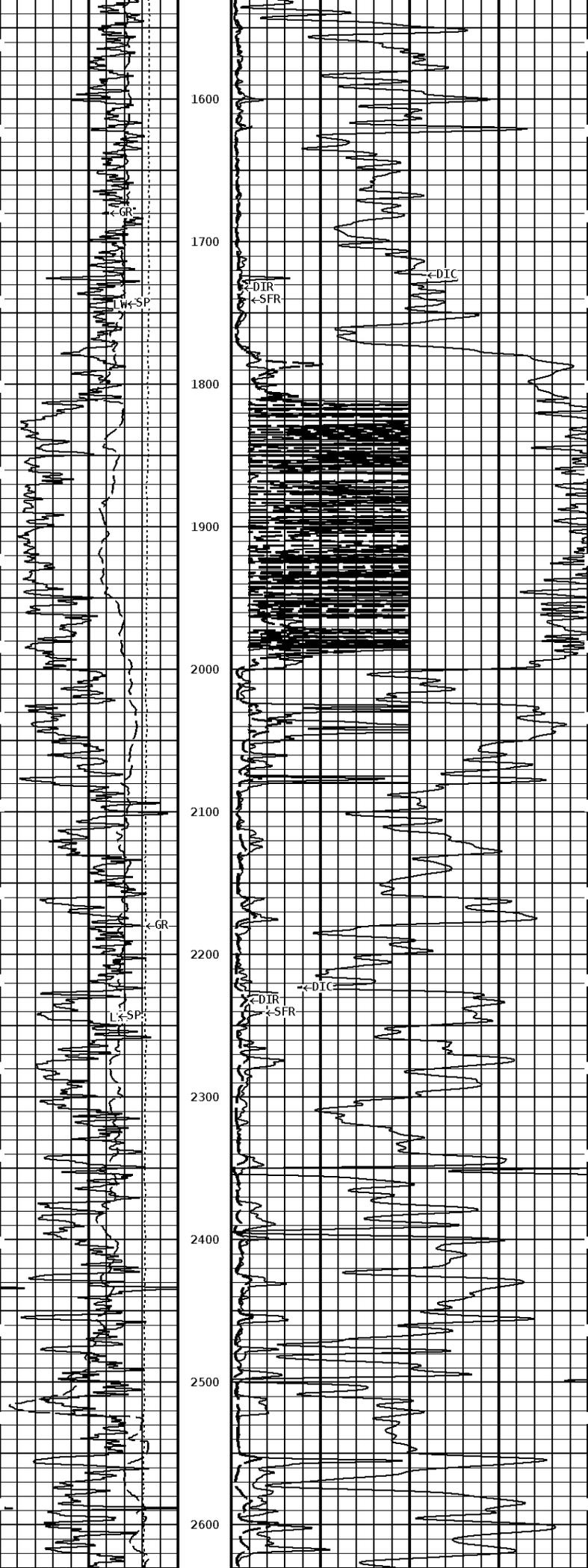
Well File: AND PEL_1 DEC 18 QUINT **Scale:** 1:1200
Segment: V1.D1.S6 MAIN **Acquired:** Not Available
Reference: 0 **Processed:** Not Available



1:1200 MAIN SECTION







1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

←DIR
←SFR

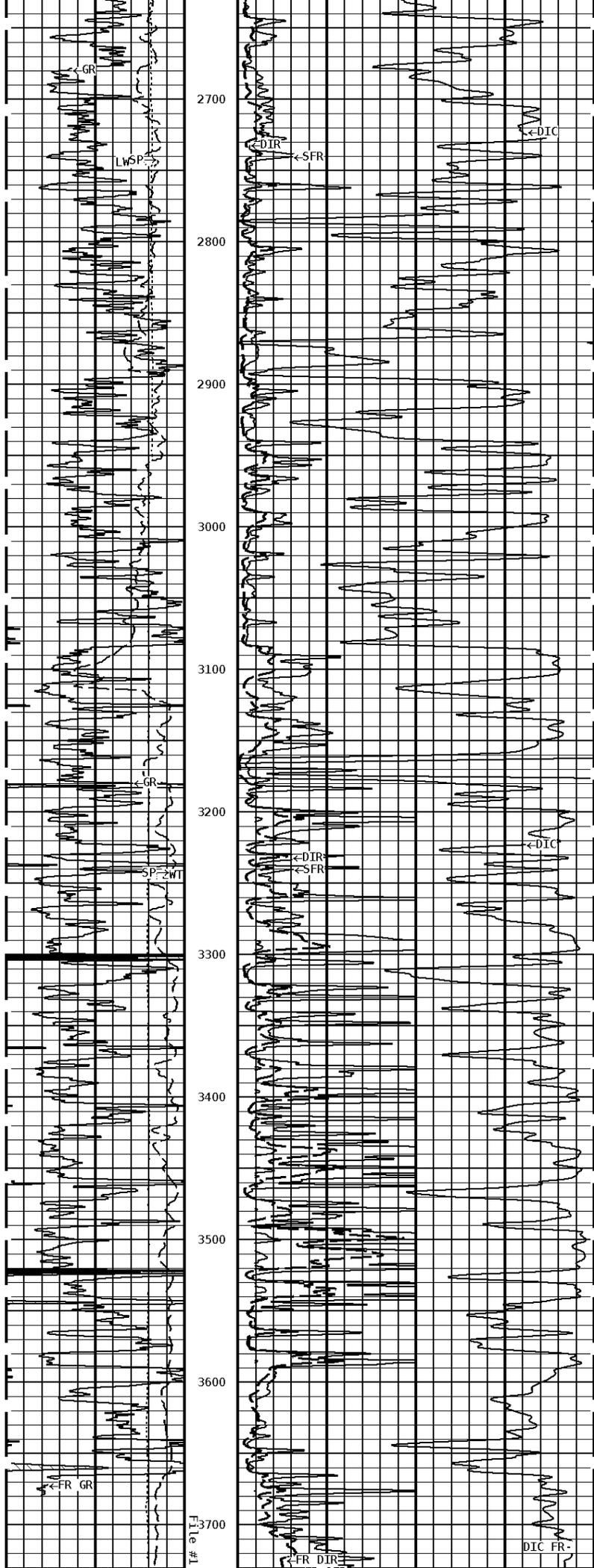
←DIC

←GR

←SP

←DIR
←SFR

←DIC



File #1

DIC FR

1:1200 MAIN SECTION

GAMMA RAY
API UNITS
150 0 300 150

DEEP CONDUCTIVITY
MHMO
2000 1000 1000 0

SPONTANEOUS POTENTIAL
mV
→ | ← 30

SHALLOW FOCUSED
OHMM
0.0 500.0
0.0 50.0

TENSION
LBS
10000 0

DEEP INDUCTION
OHMM
0.0 500.0
0.0 50.0



Tucker
ENERGY SERVICES

Company: ANDERSON ENERGY, INC
Well: PELTON A #1
Location: 1196' FSL & 1230' FWL
Logged: 12-18-2012
K.B. Elev: 2137.0 Ft