

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'

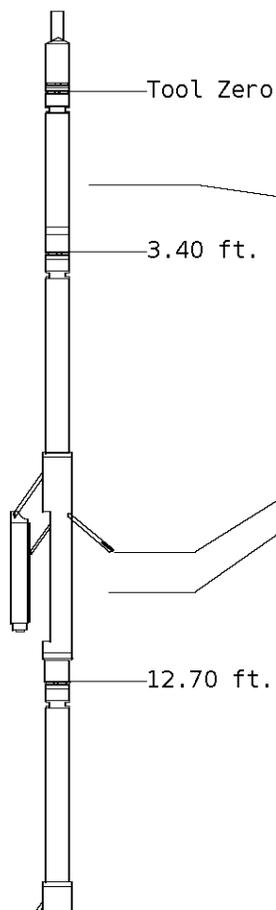
GRT; GRP,
 CNT; PHIN, CLCNIN
 LDT; PORL, LCORN, PECLN, LDENN, CLLDIN
 MLT; NOR.RF, INV.RF, MSCLPIN.
 PIT; ILD, ILM, SPU, SFLAEC, CIRD

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

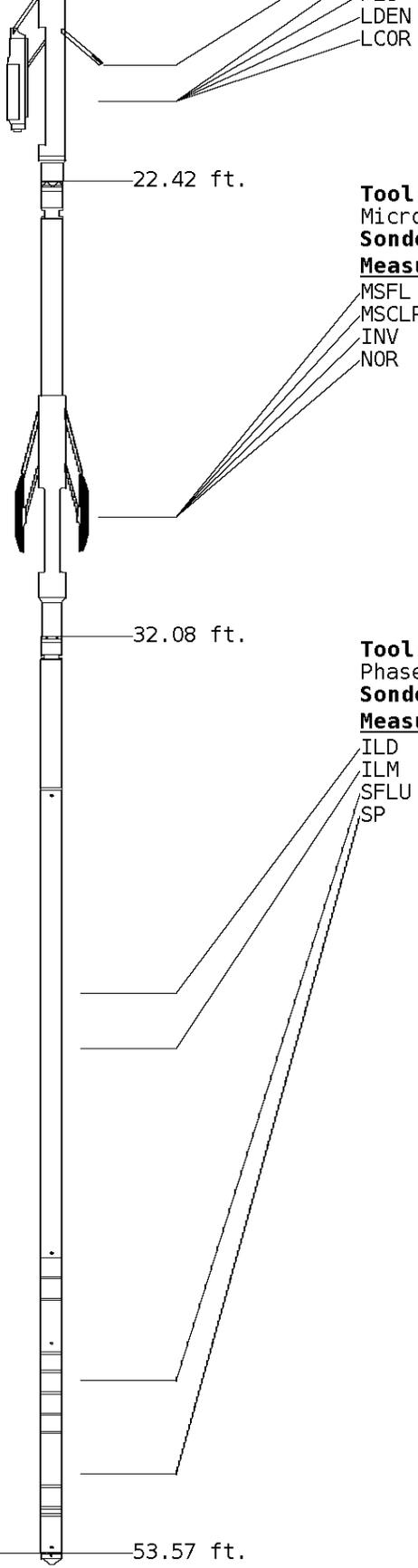
Tool: LDT-DF **Length:** 9.72 ft. **O.D.** 4.80 in.
 Litho Density D Pad on NDT-F

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



7.62	20.32	33.25
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

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

CALIPER MICRO INCHES (IN)	
16	26
6	16

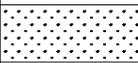
BIT SIZE INCHES (IN)

NORMAL OHMH

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

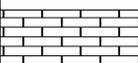
0	40
INVERSE OHMM	
0	40

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

Volume Quartz	PE CROSS-SECTION BARN/ELECTRON
	10

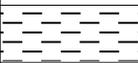
DENSITY CORRECTION G/CC
-0.25
0.25

TENSION LBS	
10000	0

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

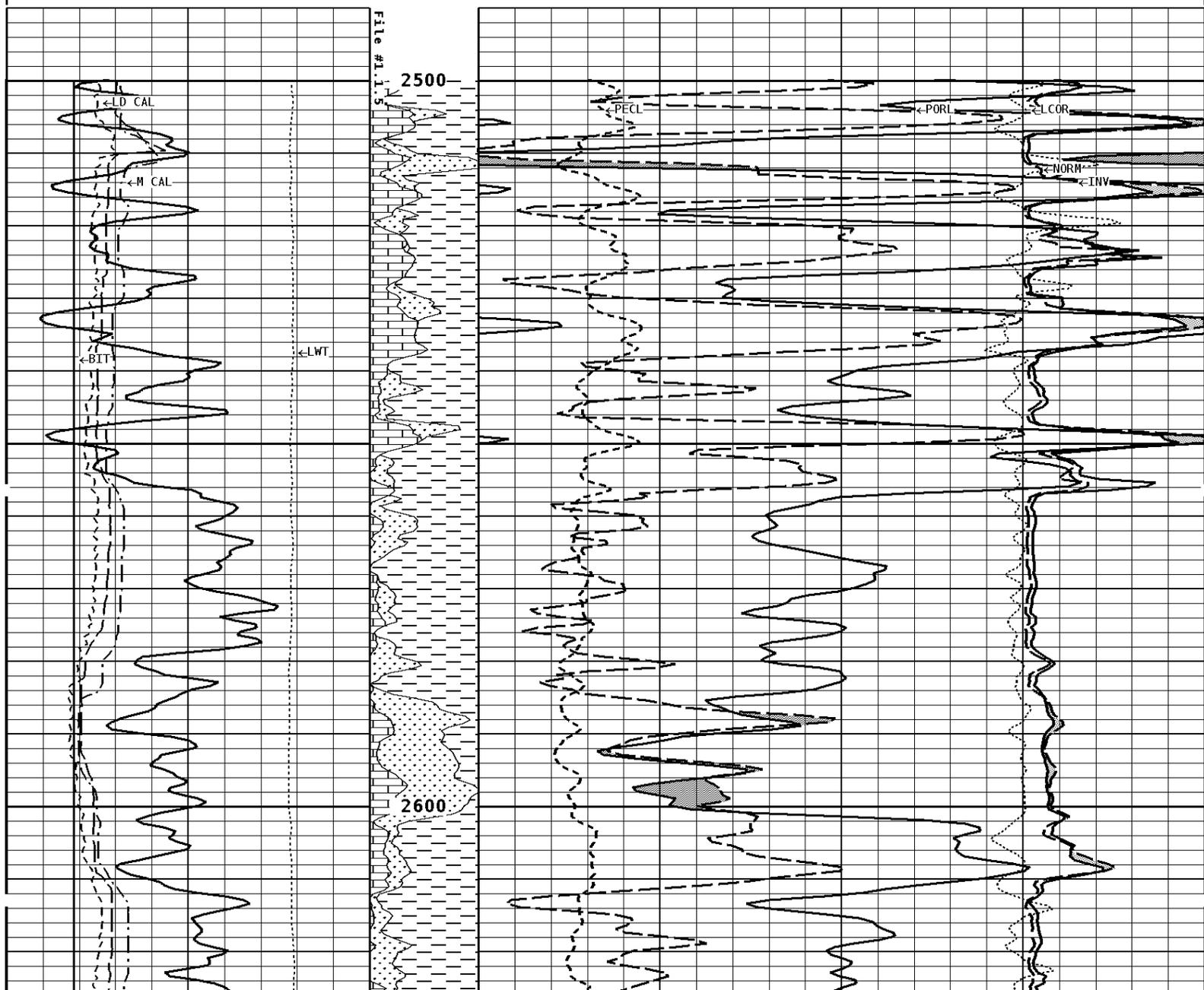
30
-10
-50

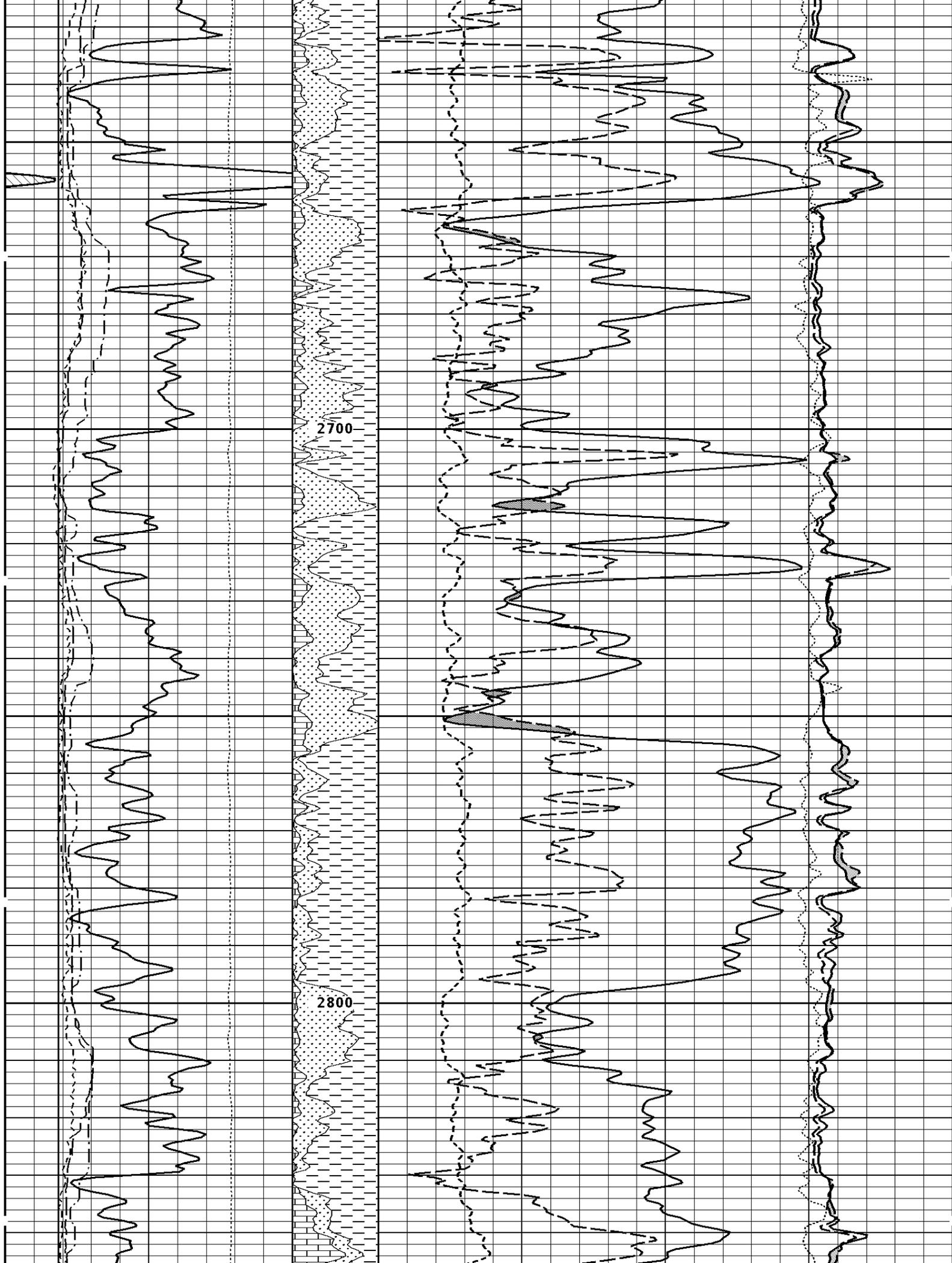
GAMMA RAY API UNITS	
150	300
0	150

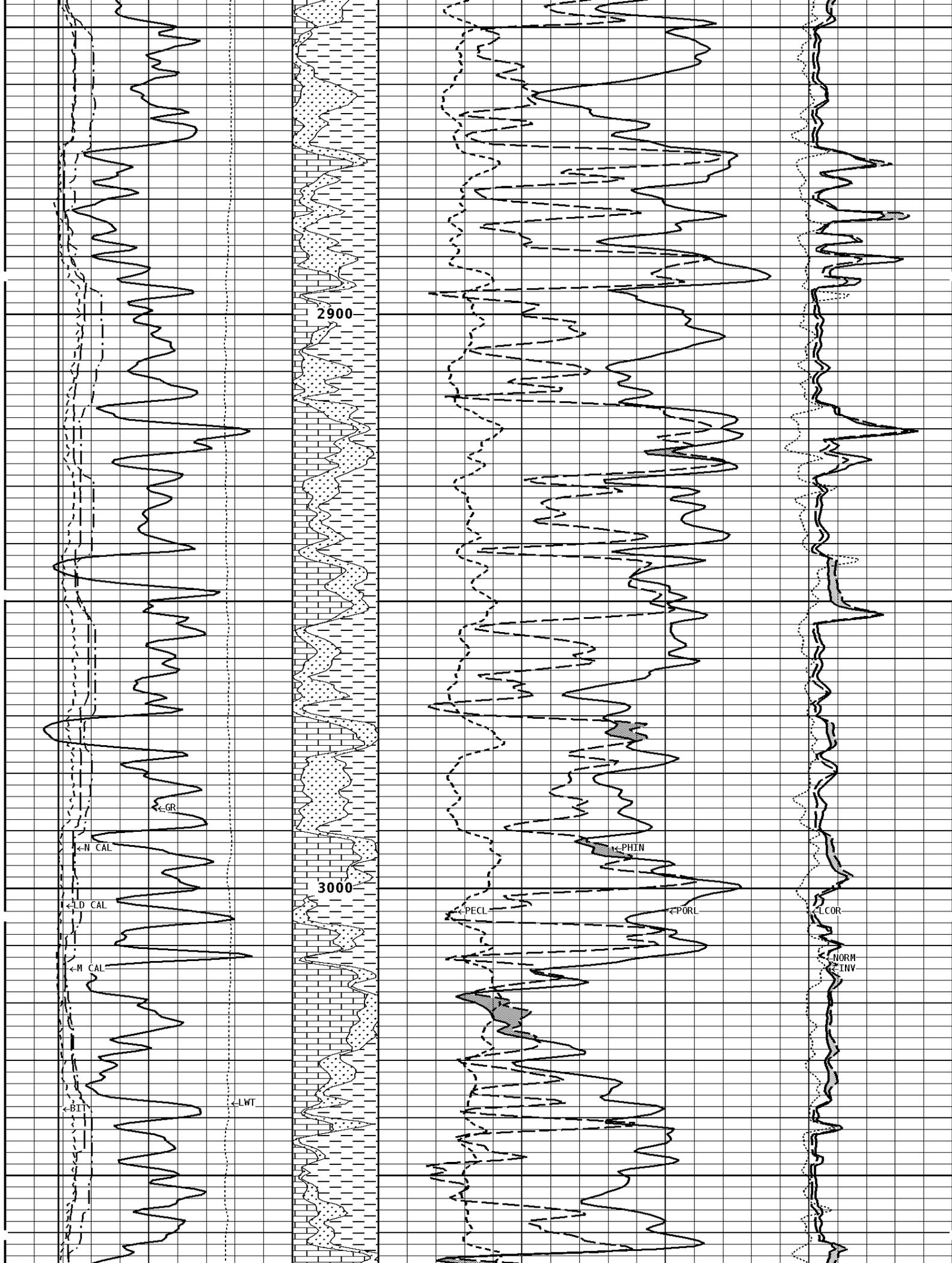
Volume Dolo/Shale	NEUTRON POROSITY (LIMESTONE) PERCENT
	30

-10

1:240 MAIN SECTION



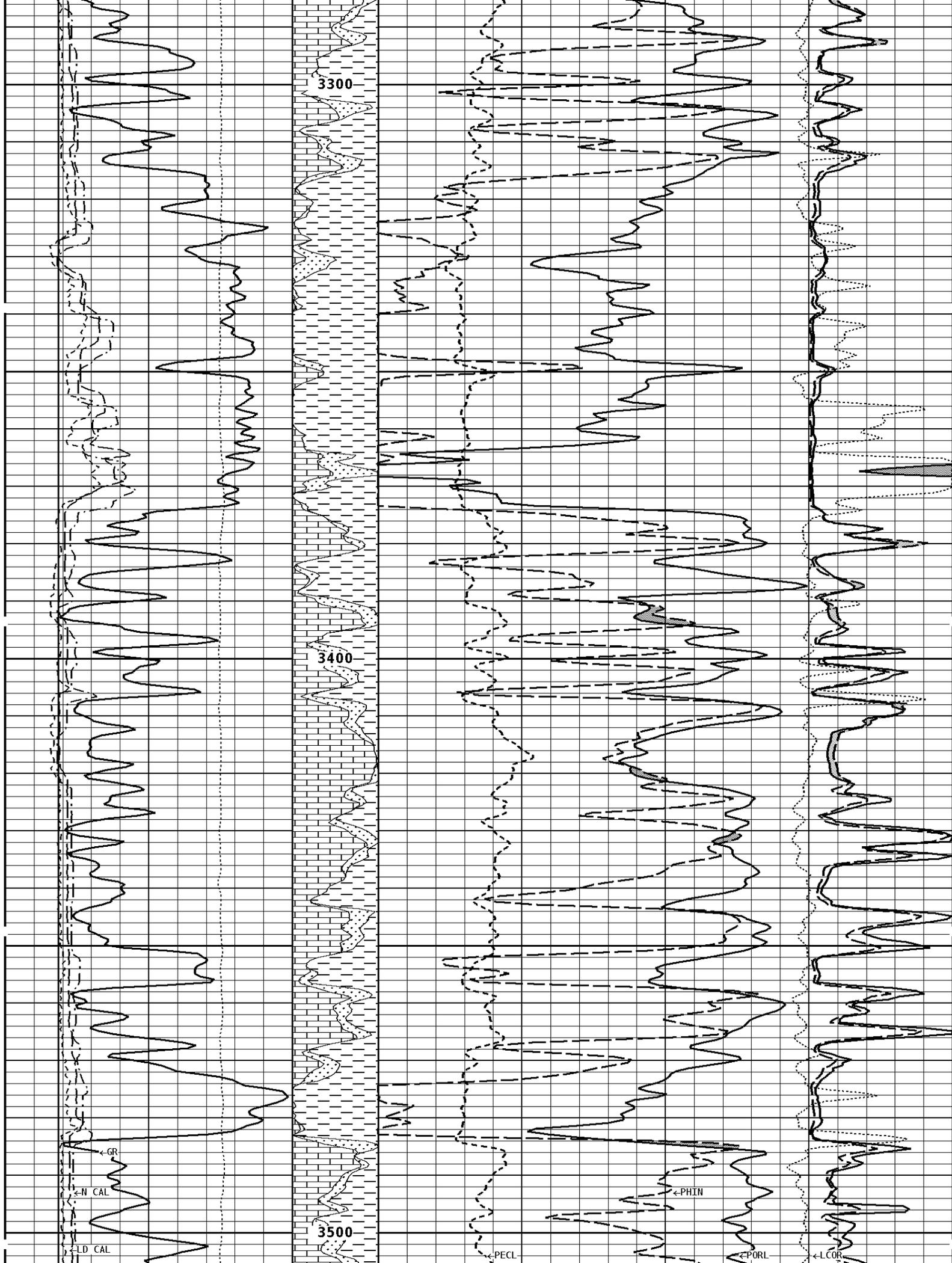


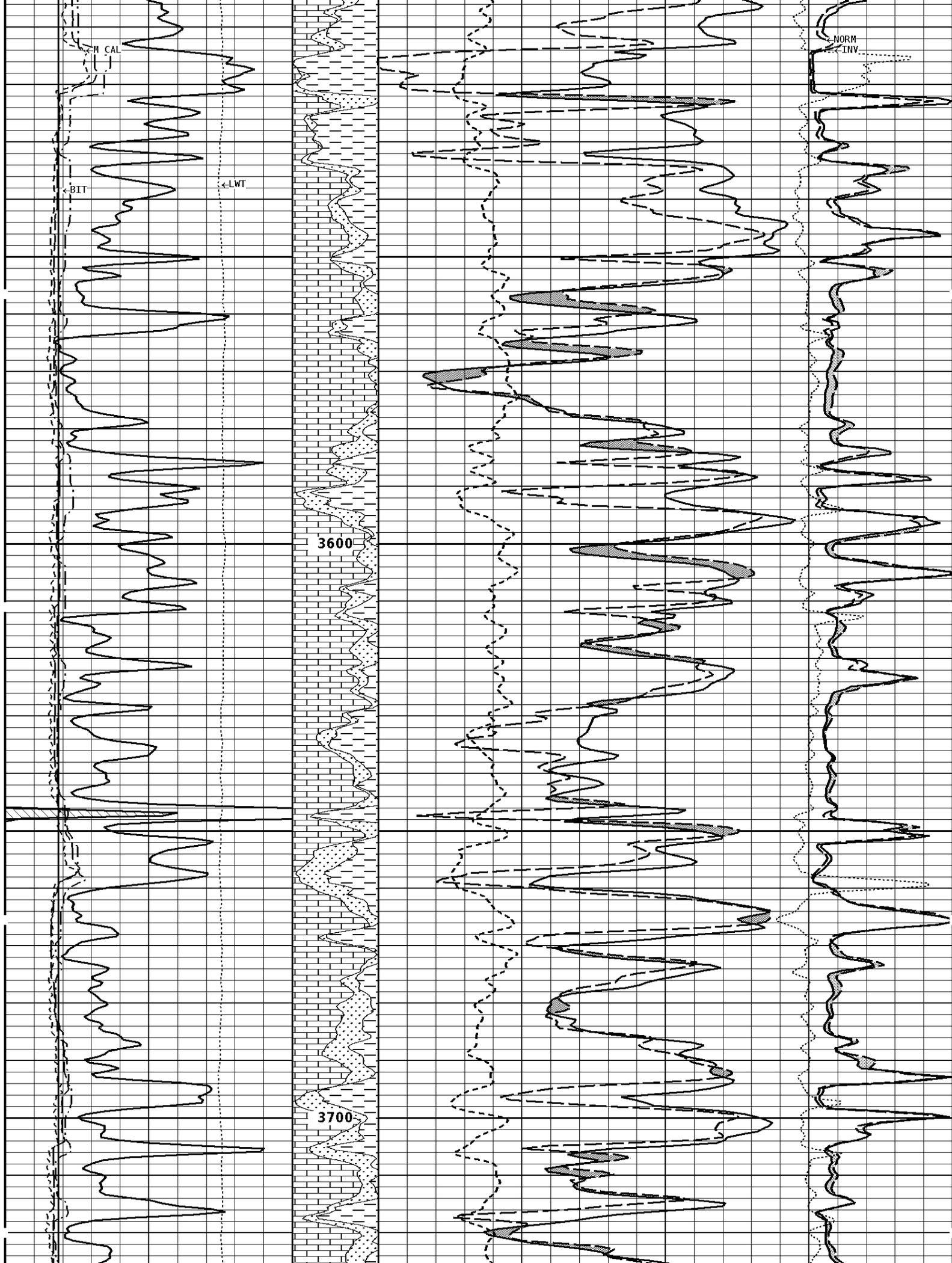


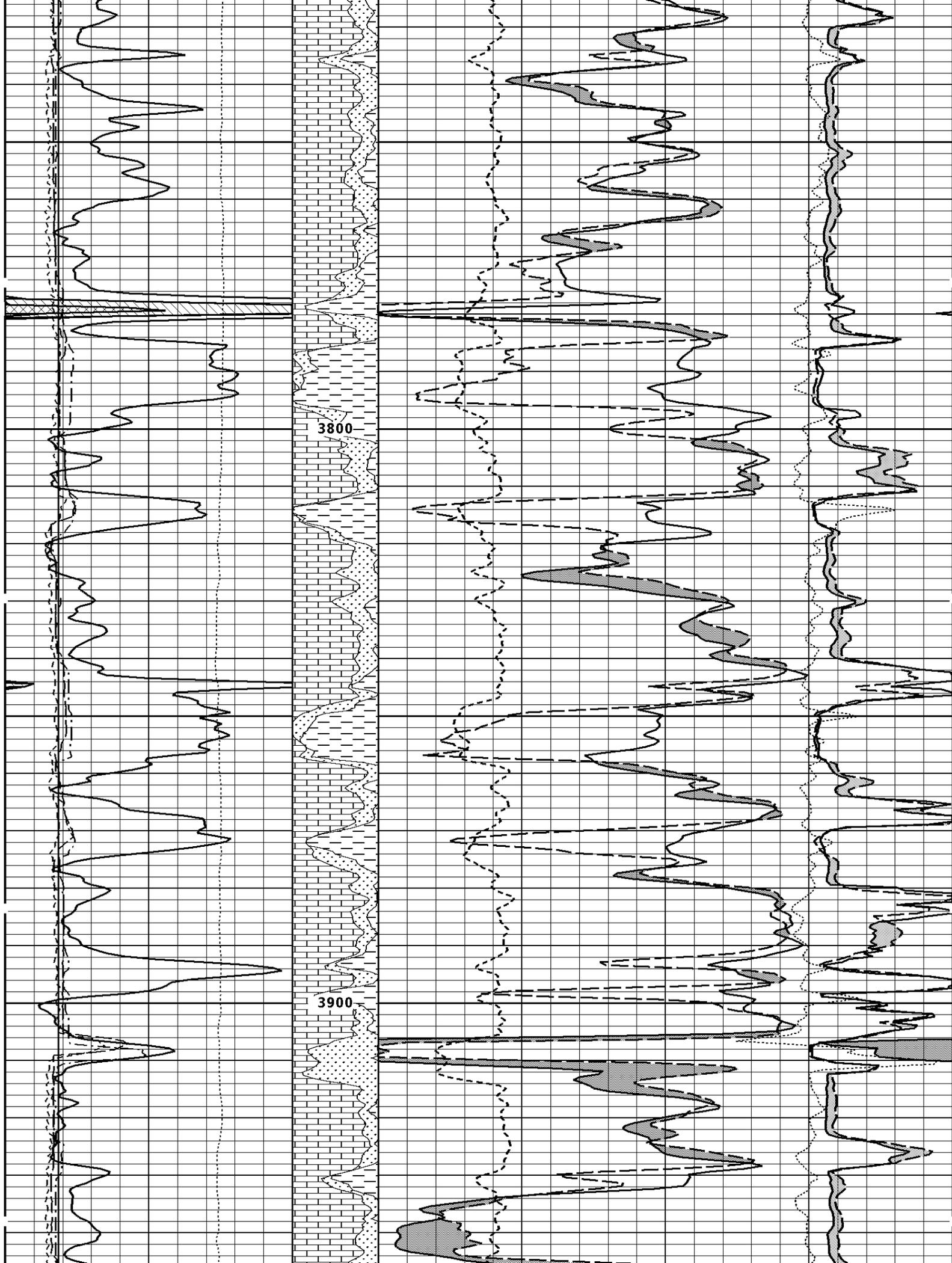


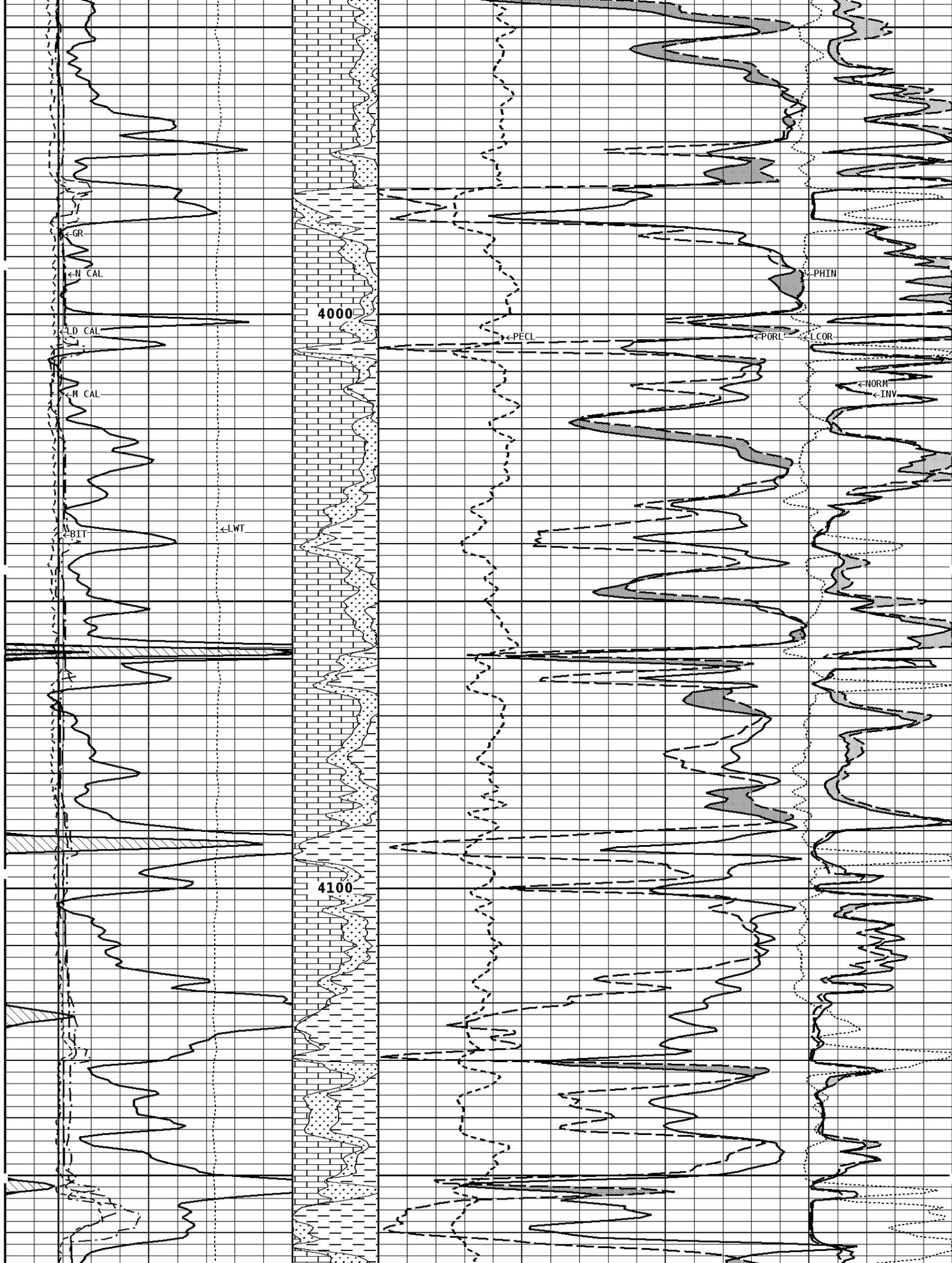
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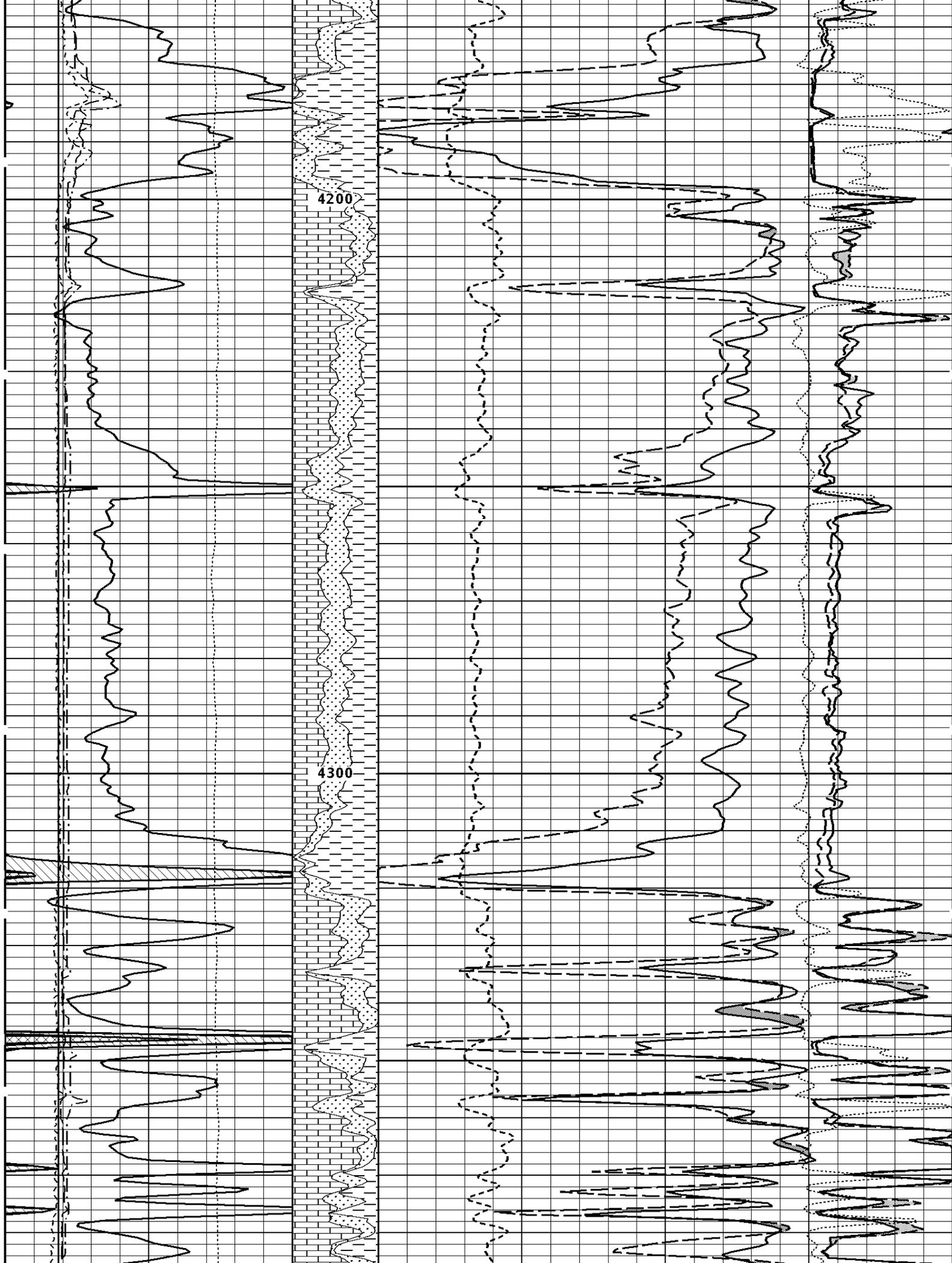
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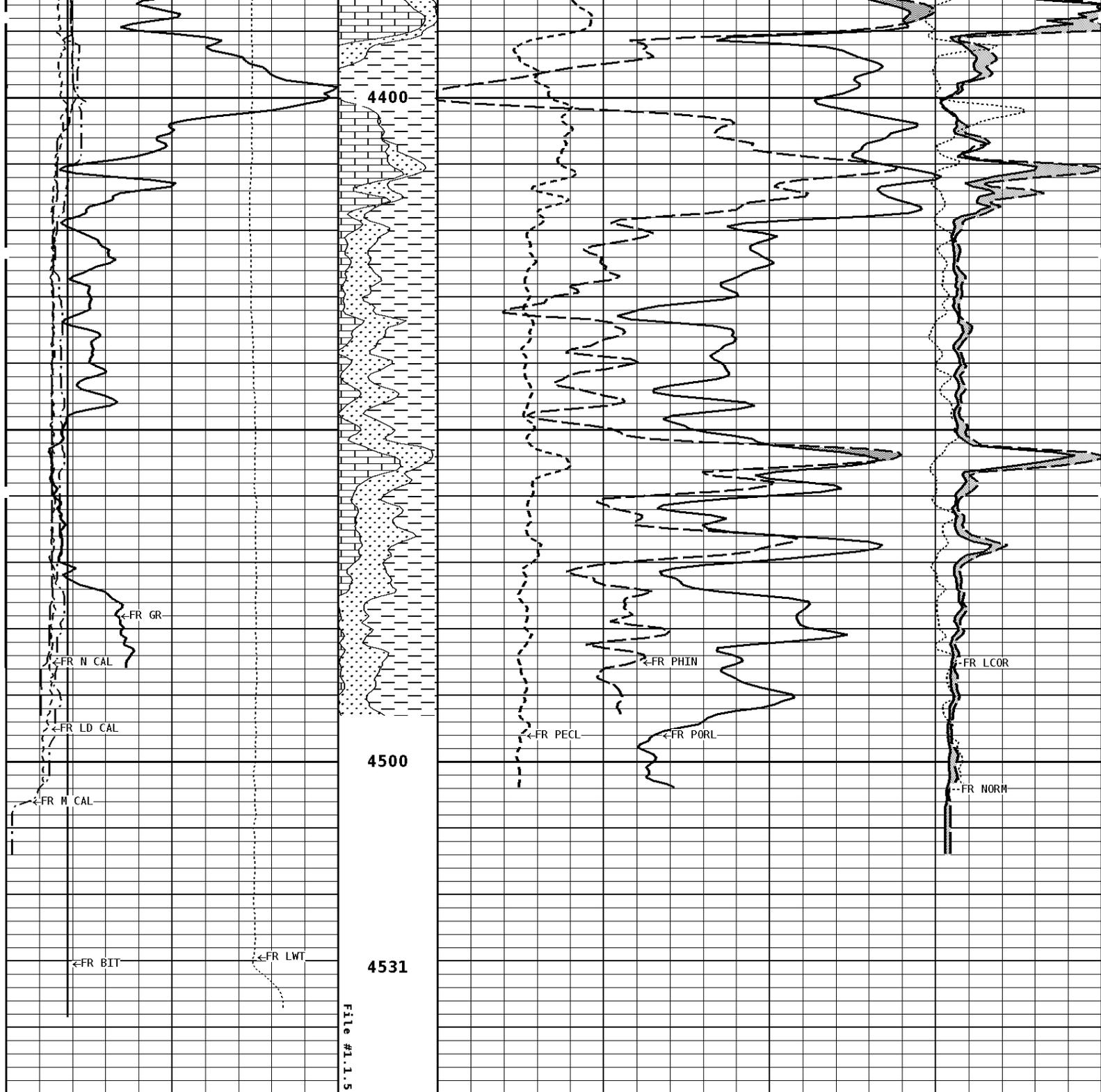






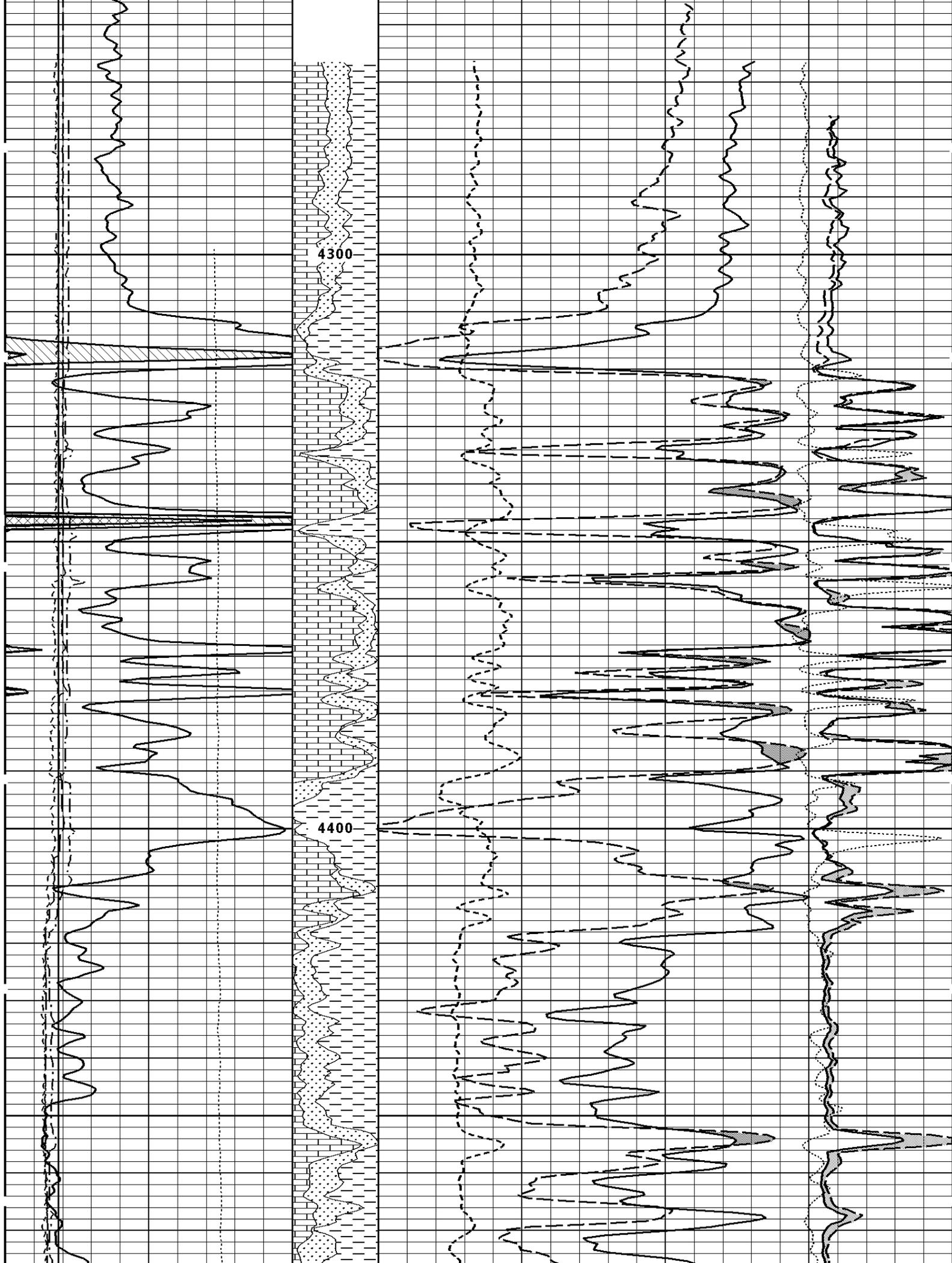


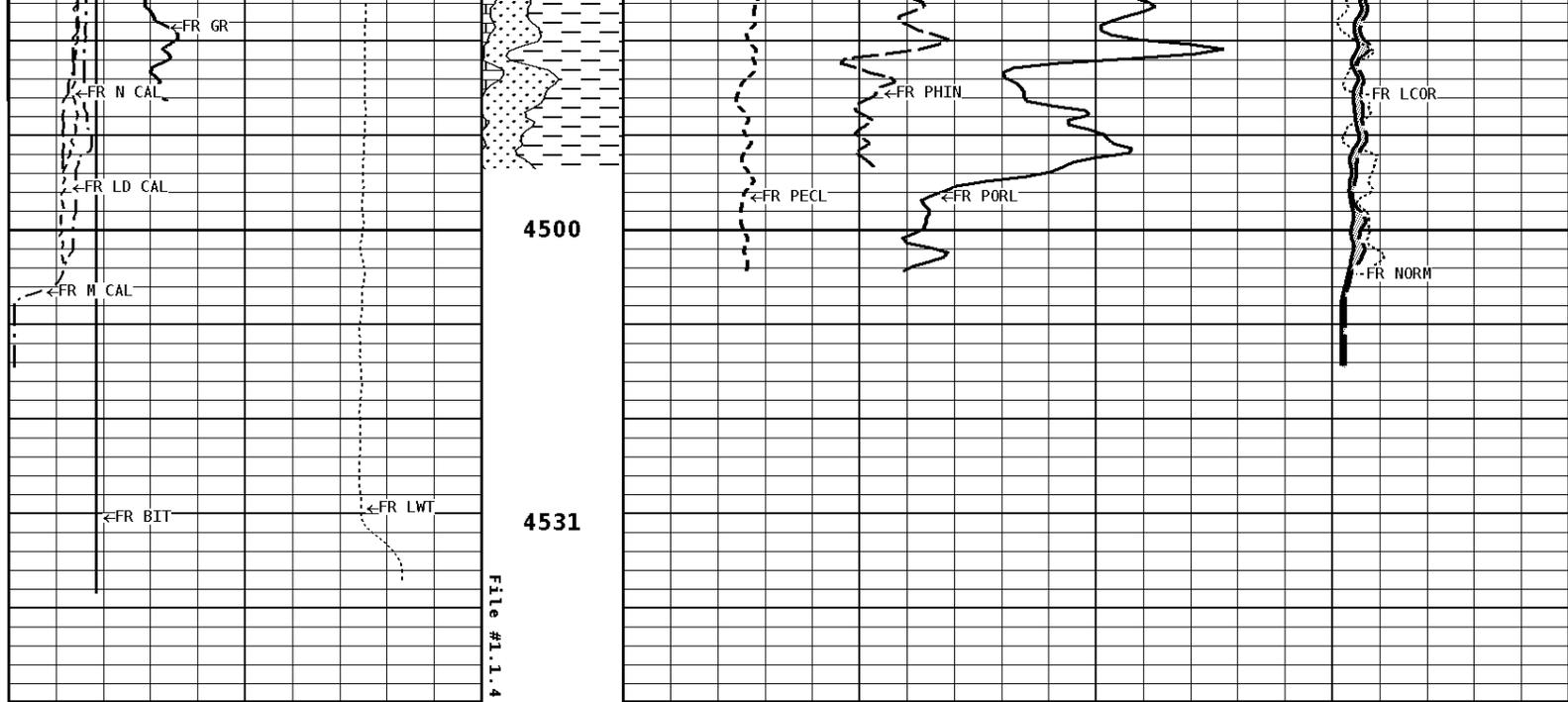




1:240 MAIN SECTION

<p>GAMMA RAY API UNITS</p> <p>150 0 300 150</p>	<p>Volume Dolo/Shale</p> <p>30</p>	<p>NEUTRON POROSITY (LIMESTONE) PERCENT</p> <p>30 -10</p>
<p>TENSION LBS</p> <p>10000 0</p>	<p>Volume Calcite</p> <p>70 30 -10</p>	<p>DENSITY POROSITY (2.71g/cc) PERCENT</p> <p>30 -10 -50</p>
<p>DENSITY (X) CALIPER INCHES (IN)</p> <p>16 26</p>	<p>Volume Quartz</p>	<p>PE CROSS-SECTION BARNS/ELECTRON</p> <p>DENSITY CORRECTION G/CC</p>





1:240 REPEAT SECTION

GAMMA RAY API UNITS 150 0 300 150		Volume Dolo/Shale 30	NEUTRON POROSITY (LIMESTONE) PERCENT -10	
TENSION LBS 10000 0		Volume Calcite 70 30 -10	DENSITY POROSITY (2.71g/cc) PERCENT 30 -10 -50	
DENSITY (X) CALIPER INCHES (IN) 16 6 26 16		Volume Quartz 0	PE CROSS-SECTION BARNS/ELECTRON 10	DENSITY CORRECTION G/CC -0.25 0.25
NEUTRON (Y) CALIPER INCHES (IN) 16 6 26 16		INVERSE OHMH 0 40		
BIT SIZE INCHES (IN) 6 16		NORMAL OHMH 0 40		
CALIPER MICRO INCHES (IN) 16 6 26 16				

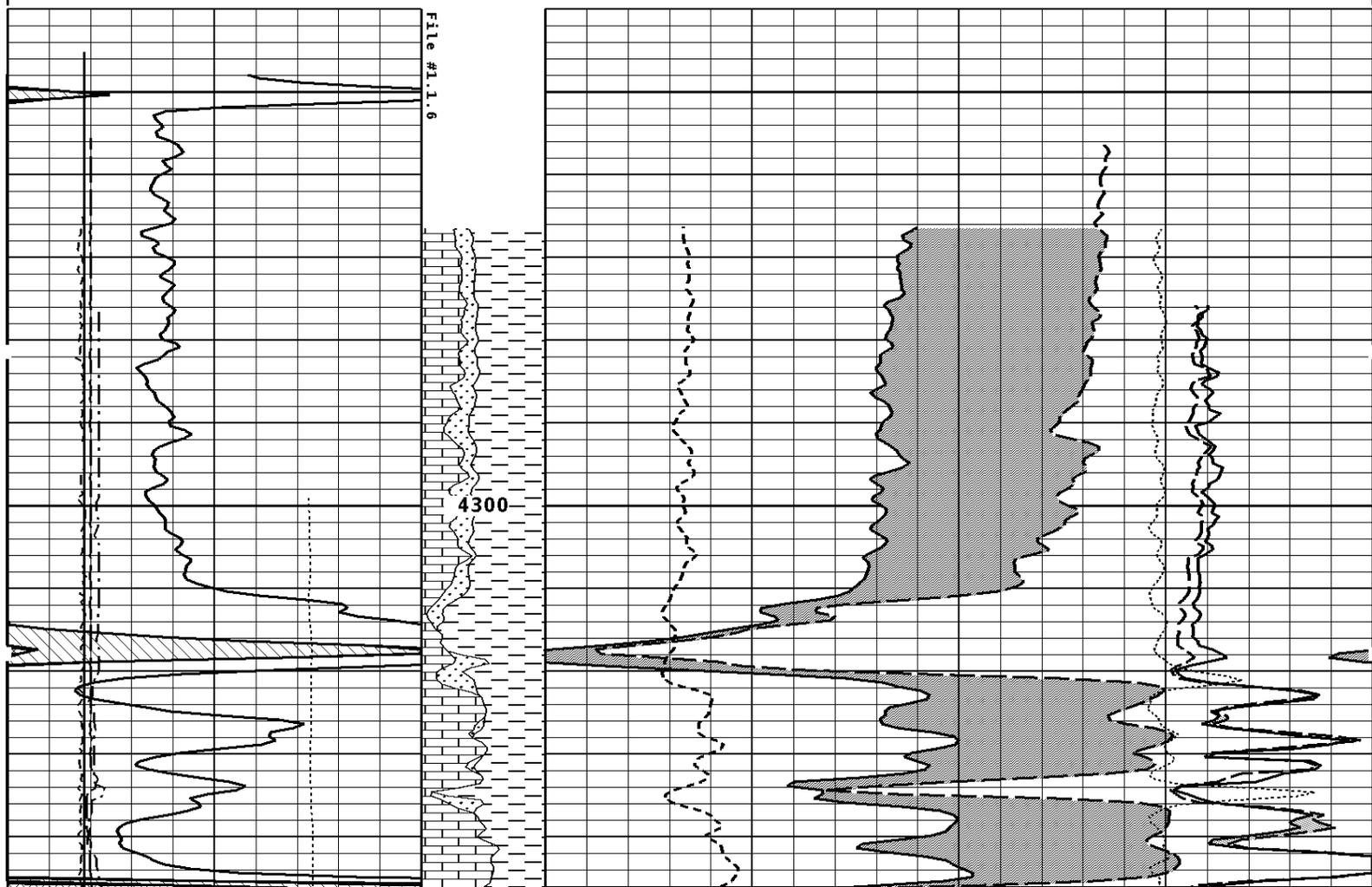
*** Borehole Zone Factors ***

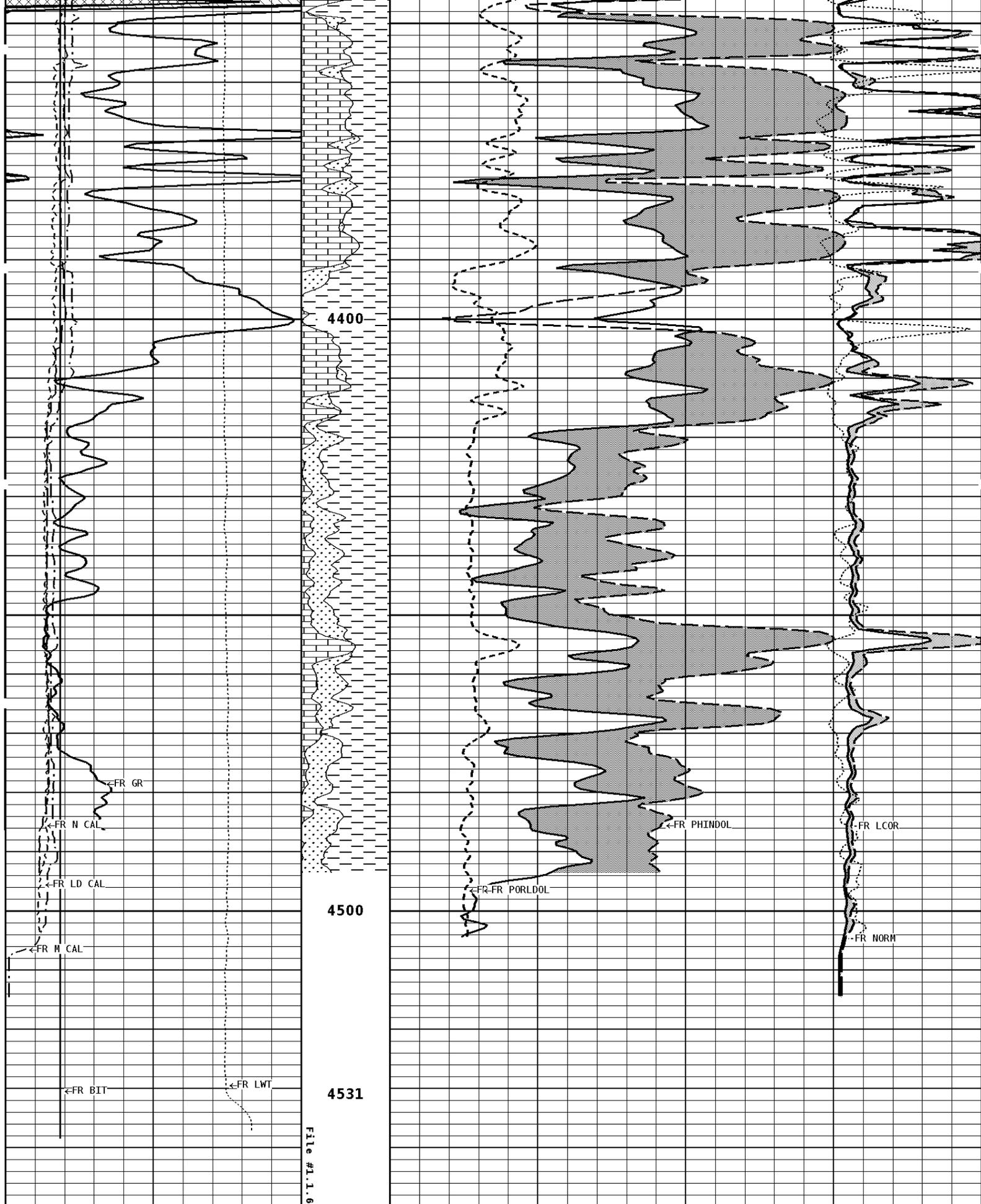
Zone 1 99999.0 to 0.0 Feet		
Matrix Density	_____	2.71 g/cc
Fluid Density	_____	1.00 g/cc
Formation Matrix	_____	Limestone
Drill Bit Size	_____	7.875 in
Casing Diameter	_____	5.500 in
Casing Thickness	_____	0.250 in
Casing Correction (PHI N)	_____	Disable

CALIPER MICRO INCHES (IN)		16 6	26 16		
BIT SIZE INCHES (IN)		6	16		
NEUTRON (Y) CALIPER INCHES (IN)		16 6	26 16		
DENSITY (X) CALIPER INCHES (IN)		16 6	26 16	PE CROSS-SECTION BARNs/ELECTRON	DENSITY CORRECTION G/CC
				0	10 -0.25 0.25
TENSION LBS		10000	0	DENSITY POROSITY (2.87g/cc) PERCENT	
				70 30 -10	30 -10 -50
GAMMA RAY API UNITS		150 0	300 150	NEUTRON POROSITY (DOLOMITE) PERCENT	
				30	-10

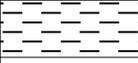
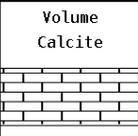
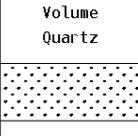
NORMAL OHMH	
0	40
INVERSE OHMH	
0	40

1:240 MAIN SECTION
 DOLOMITE PLAYBACK



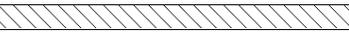


1:240 MAIN SECTION
DOLOMITE PLAYBACK

GAMMA RAY API UNITS 150  300 0 150		Volume Dolo/Shale 	NEUTRON POROSITY (DOLOMITE) PERCENT 30 ----- -10	
TENSION LBS 10000 ----- 0		Volume Calcite 	DENSITY POROSITY (2.87g/cc) PERCENT 70 30 ----- -10 -50	
DENSITY (X) CALIPER INCHES (IN) 16 26 6 16 -----		Volume Quartz 	PE CROSS-SECTION BARNs/ELECTRON 0 ----- 10	DENSITY CORRECTION G/CC ----- -0.25 0.25
NEUTRON (Y) CALIPER INCHES (IN) 16 26 6 16 -----				INVERSE OHMH 0 ----- 40
BIT SIZE INCHES (IN) 6 ----- 16				NORMAL OHMH 0 ----- 40
CALIPER MICRO INCHES (IN) 16 26 6 16 -----				

* Borehole Zone Factors *

Zone 1 99999.0 to 0.0 Feet	
Fluid Density _____	1.00 g/cc
Drill Bit Size _____	7.875 in
Casing Diameter _____	5.500 in
Casing Thickness _____	0.250 in
Casing Correction (PHI N) _____	Disable

Well File: trip-crow-flax-a1-24-mar-31		Scale: 1:240	Format: LDT-240
Segment: V1.D1.S5 MN		Acquired: 2015-03/31 16:57 3.4.0-13477	
Reference: 0		Processed: 2015-03/31 18:22 3.4.0-13477	
BIT SIZE INCHES (IN) 6 ----- 16			
NEUTRON (Y) CALIPER INCHES (IN) 16 26 6 16 -----			
DENSITY (X) CALIPER INCHES (IN) 16 26 6 16 -----		PE CROSS-SECTION BARNs/ELECTRON 0 ----- 10	DENSITY CORRECTION G/CC ----- -0.25 0.25
TENSION LBS 10000 ----- 0		COMPENSATED BULK DENSITY G/CC 3.0 4.0 2.0 3.0 1.0 2.0	
GAMMA RAY API UNITS 150  300 0 150		Volume - BHV ANV - CU. FT 	DENSITY POROSITY (2.71g/cc) PERCENT 70 30 ----- -10 -50

**1:240 MAIN SECTION
BULK DENSITY**

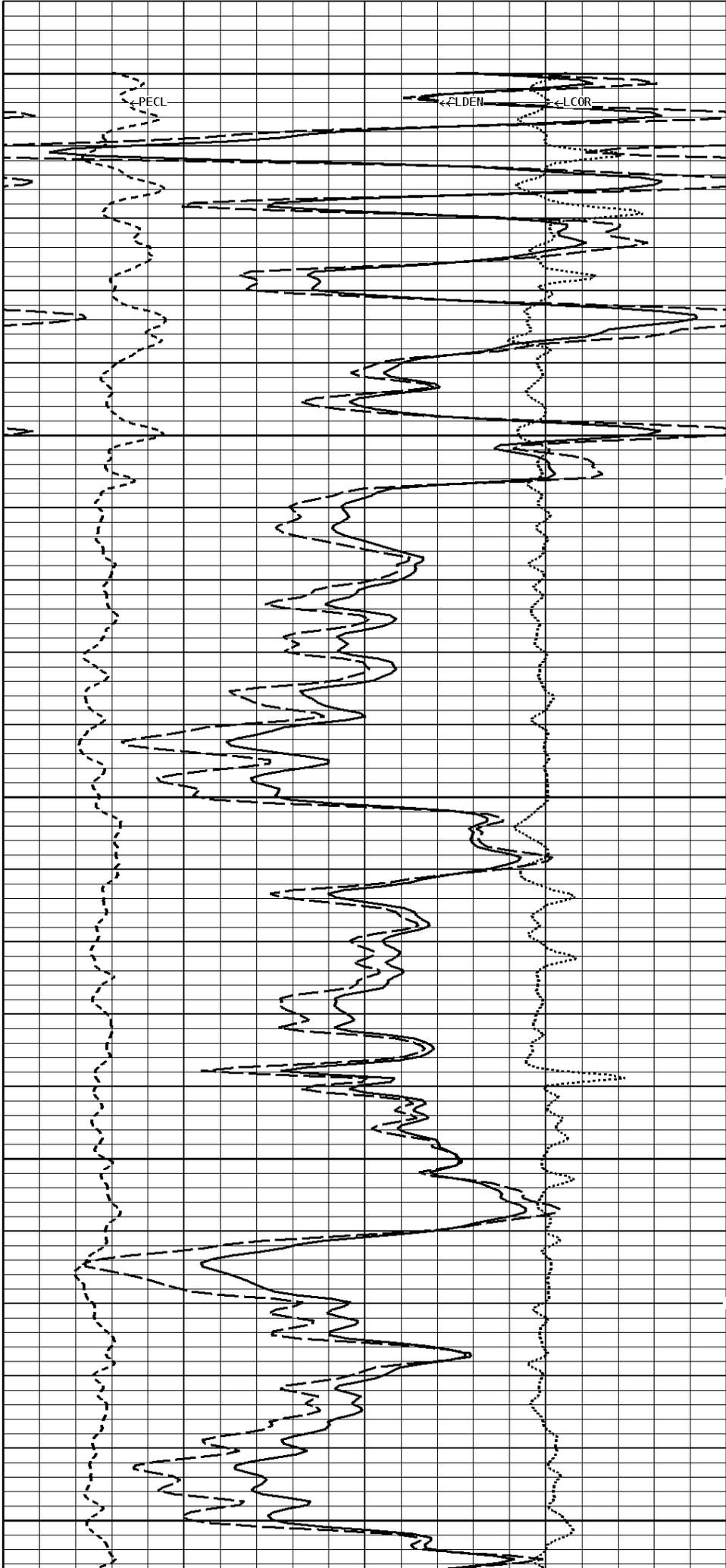
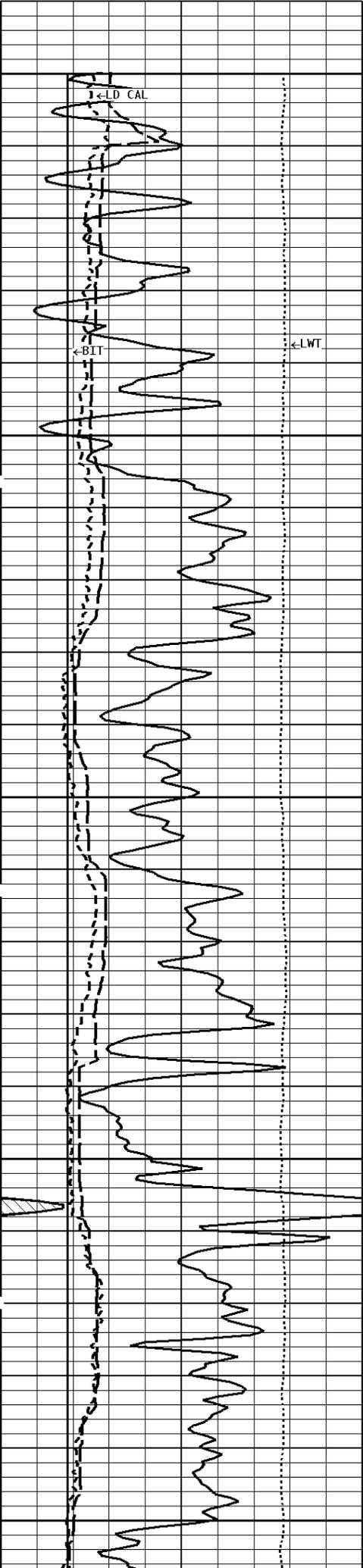
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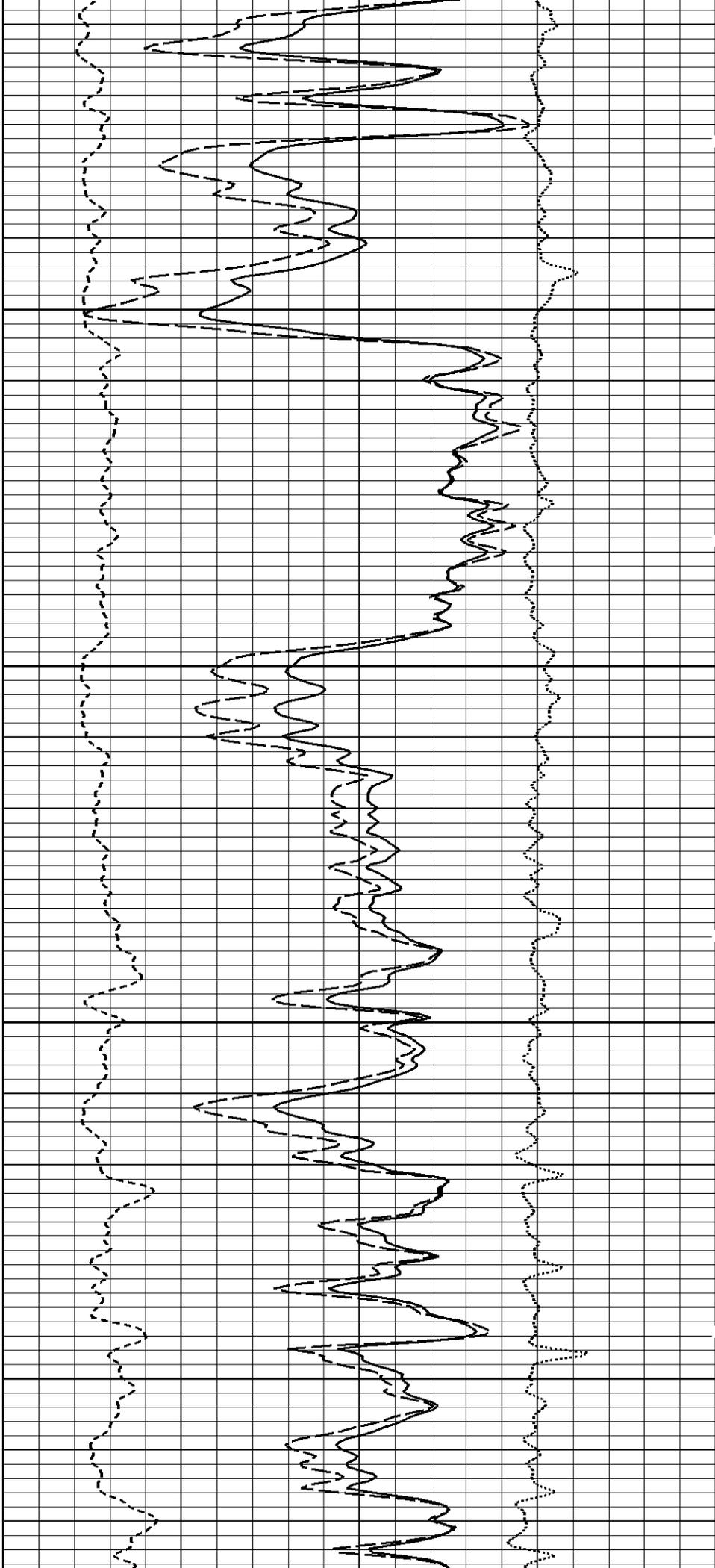
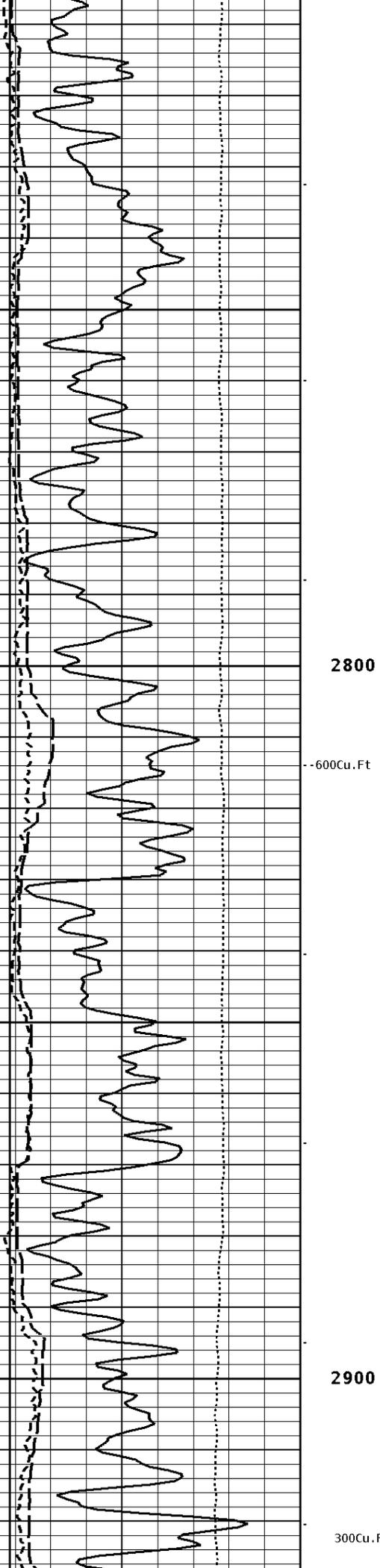
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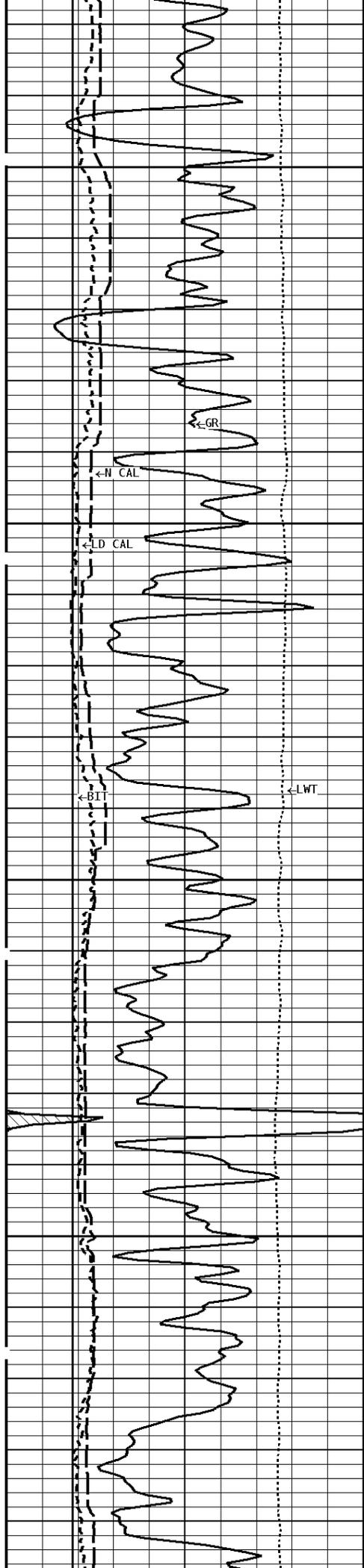
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2600

2700



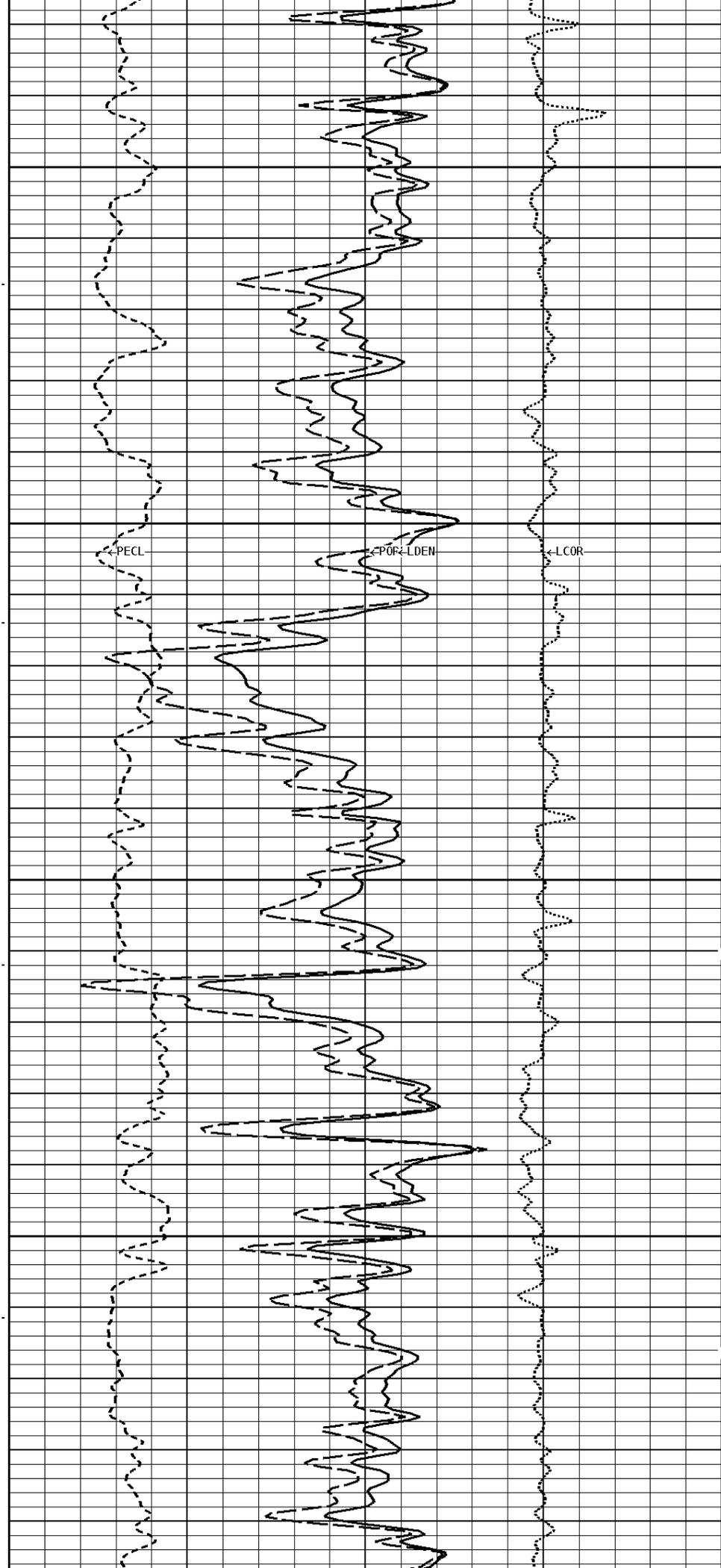


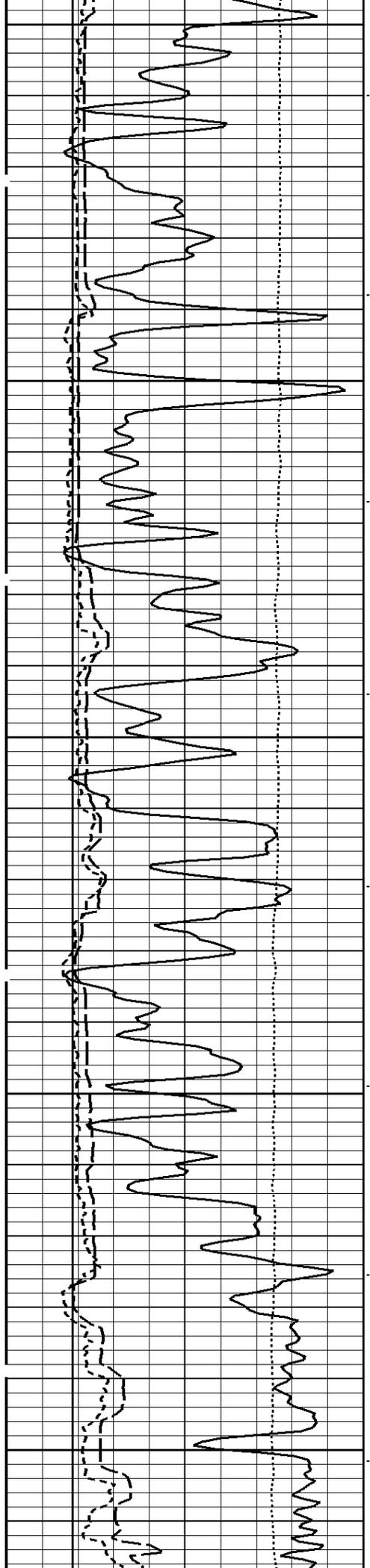


3000

-500Cu.Ft

3100

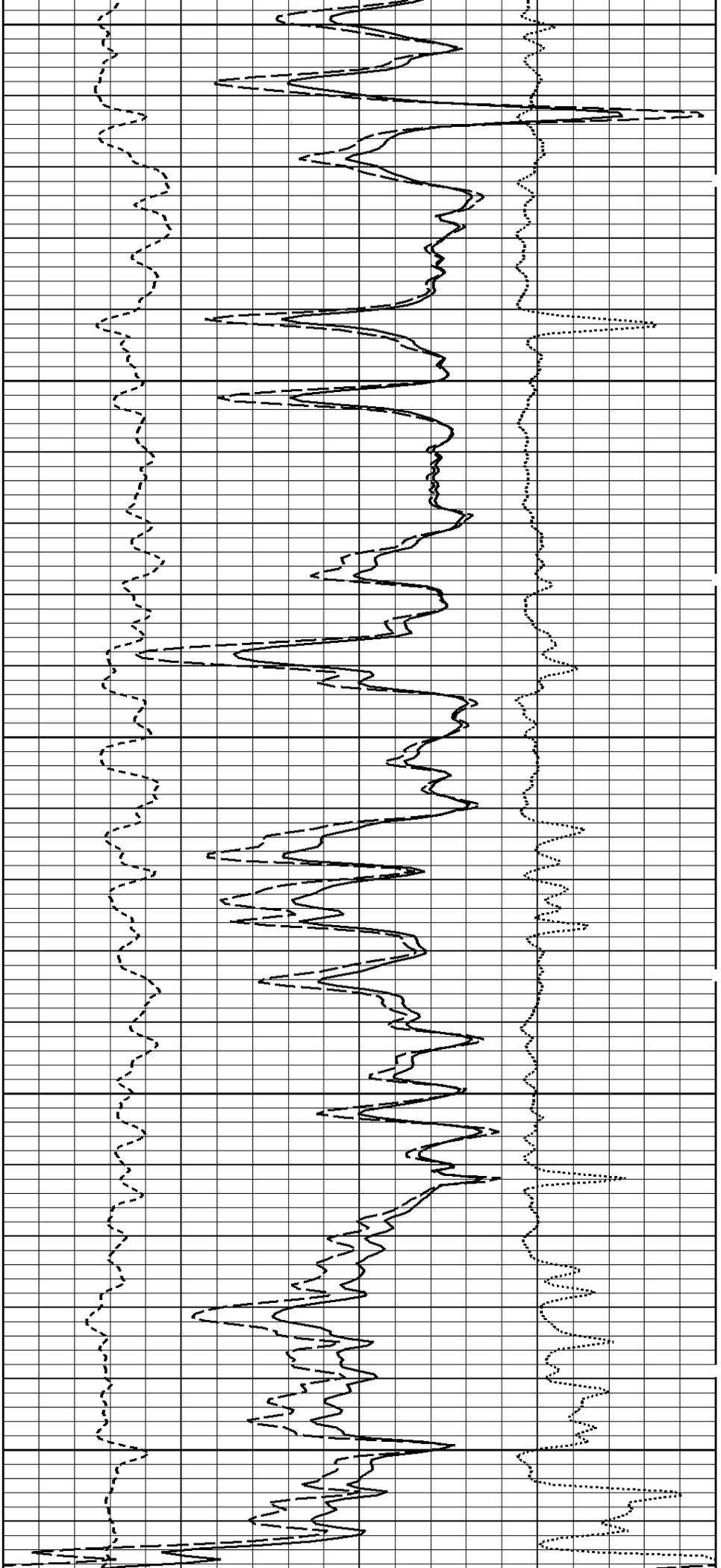




3200

3300

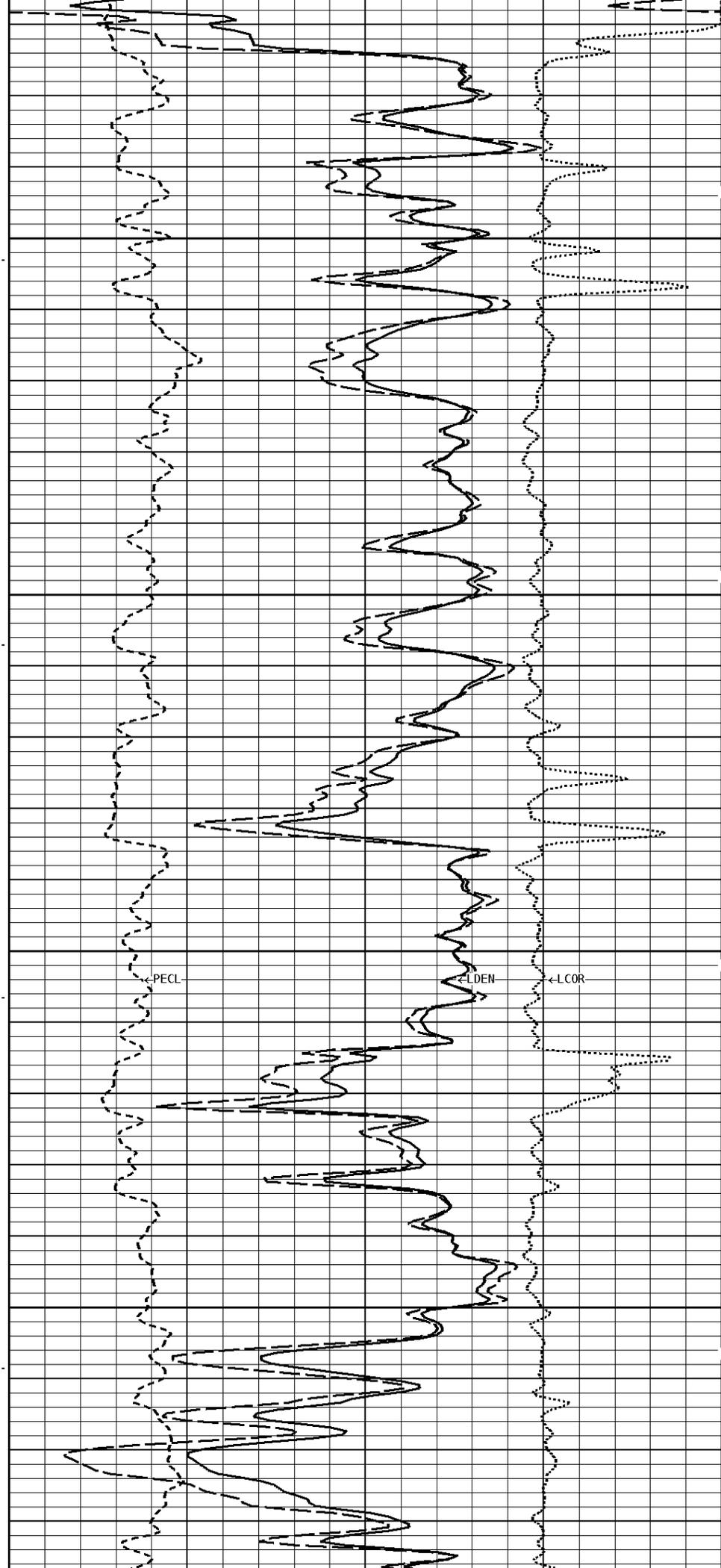
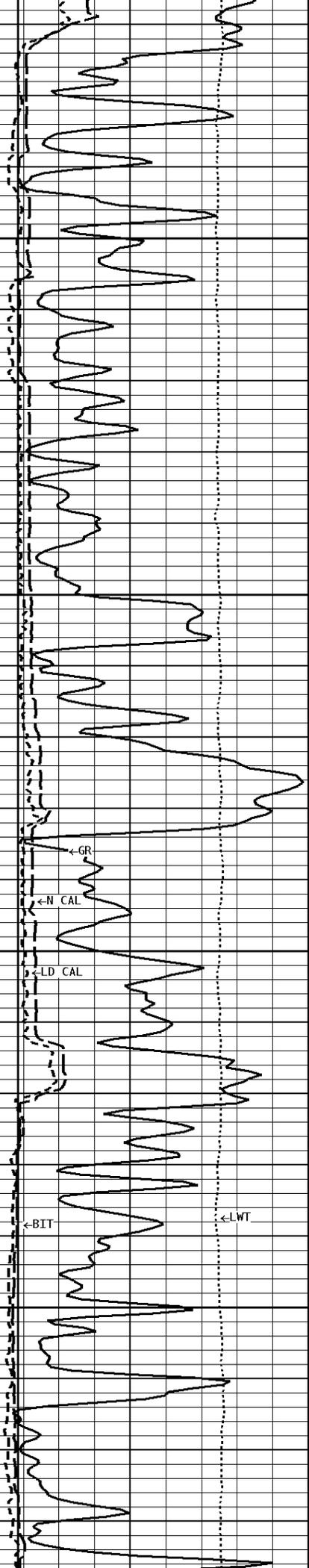
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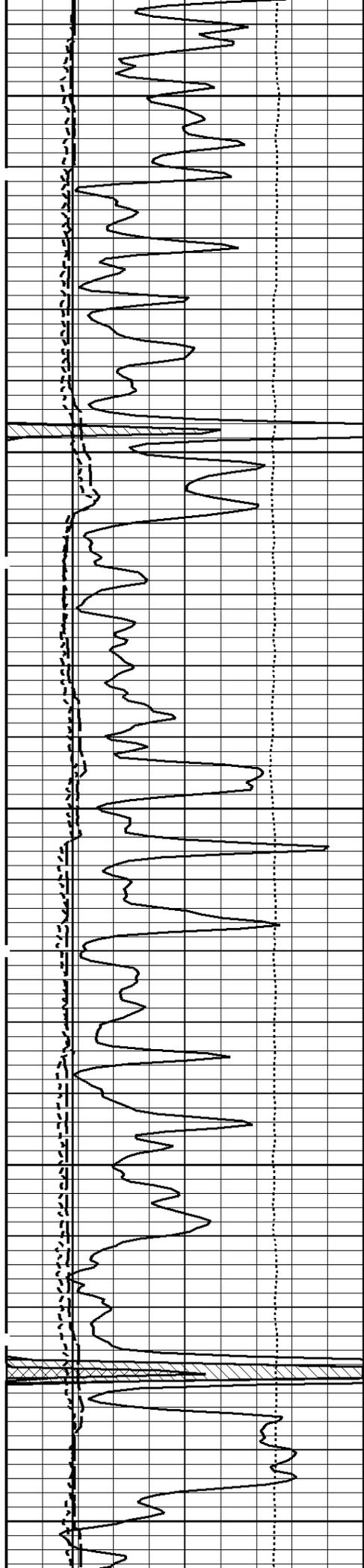


3400

200Cu.Ft.

3500



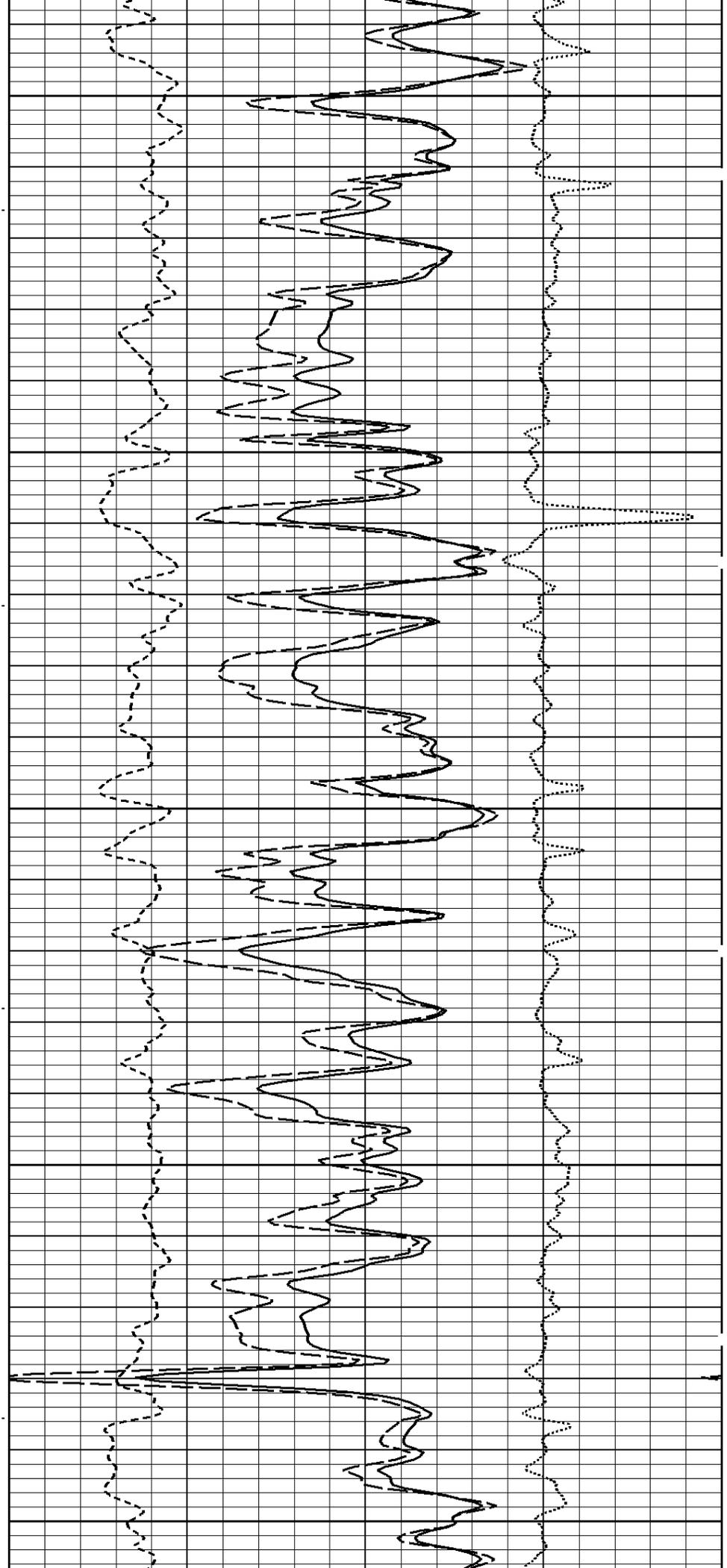


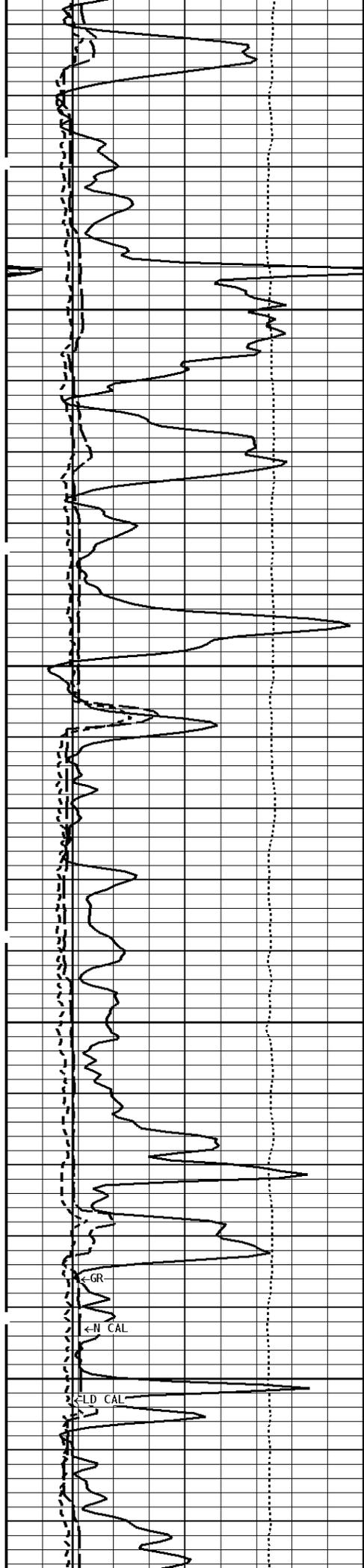
3600

-300Cu.Ft

3700

3800



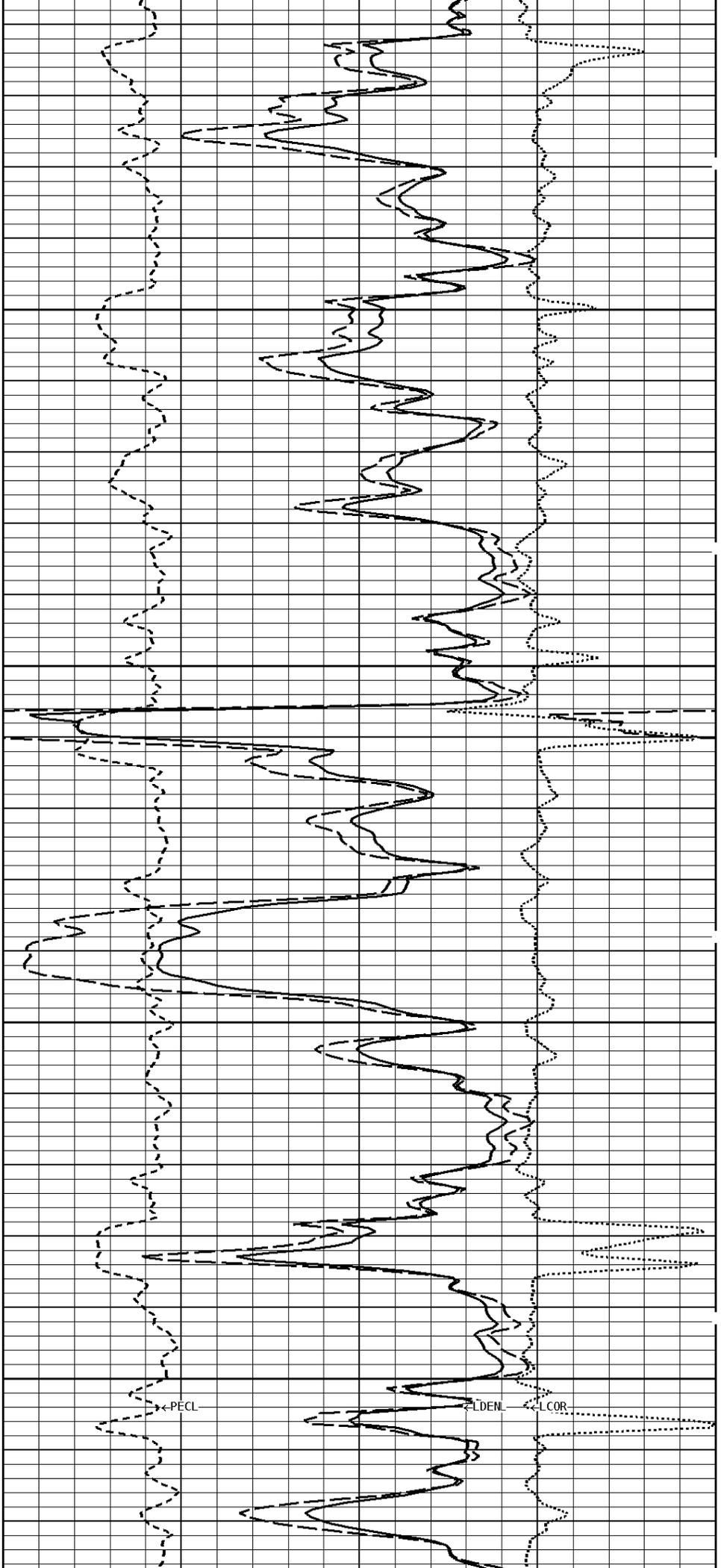


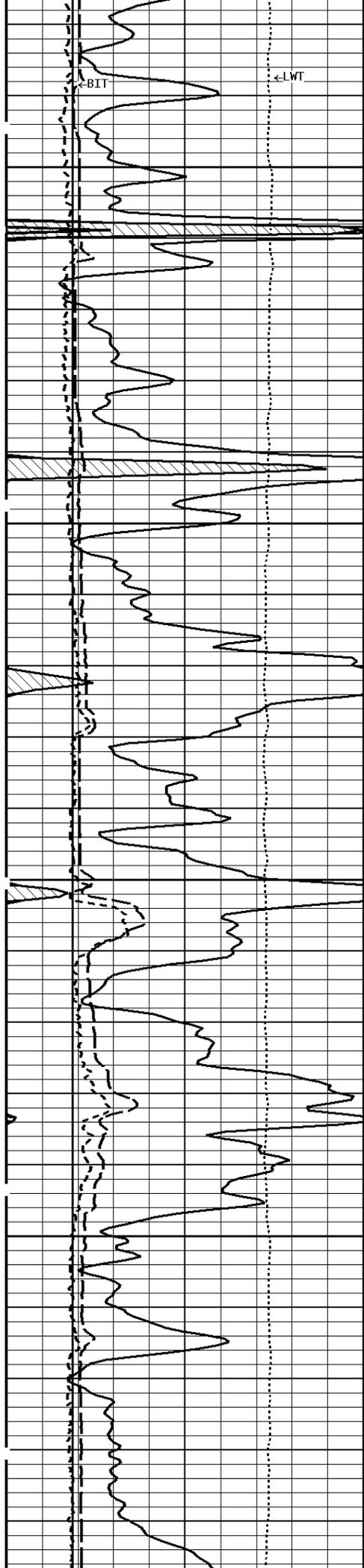
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100Cu.Ft--

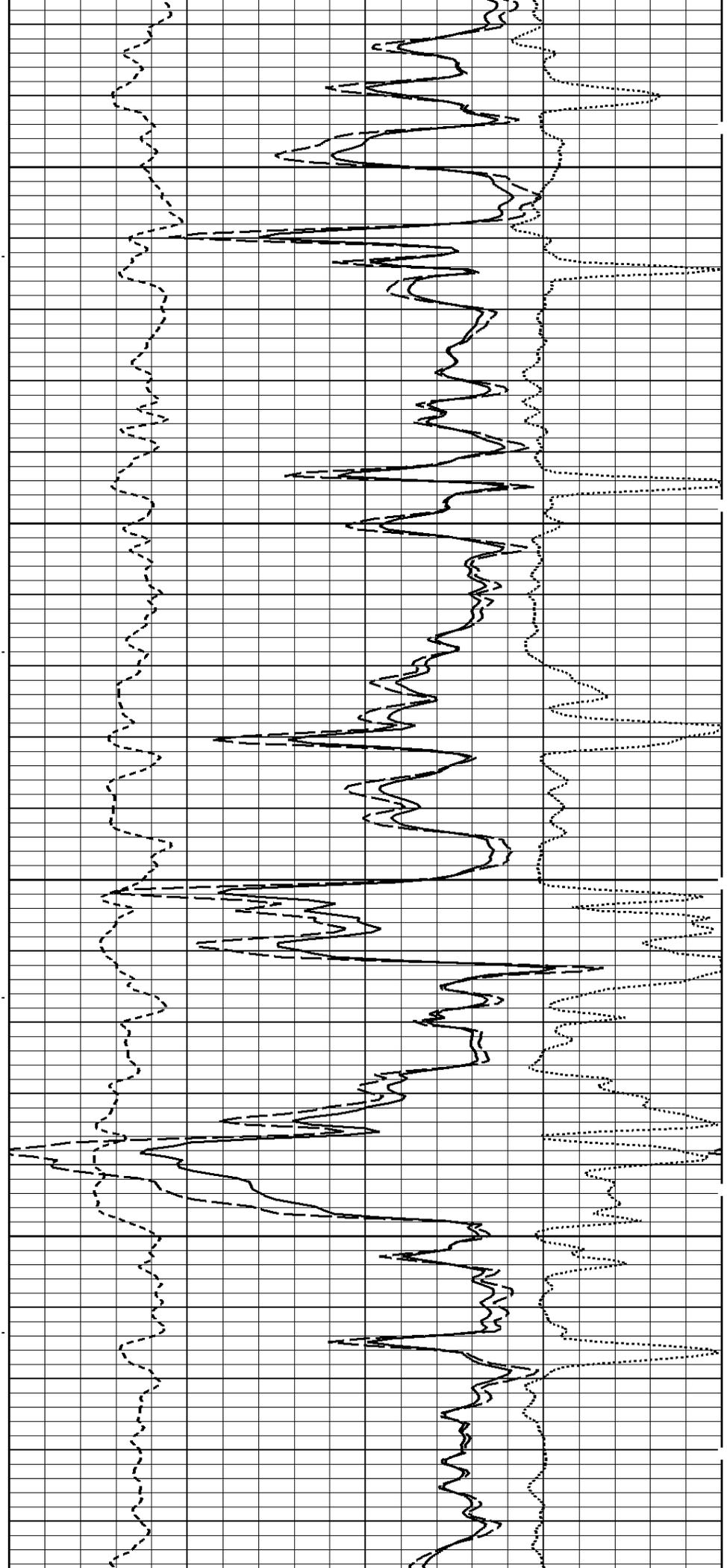
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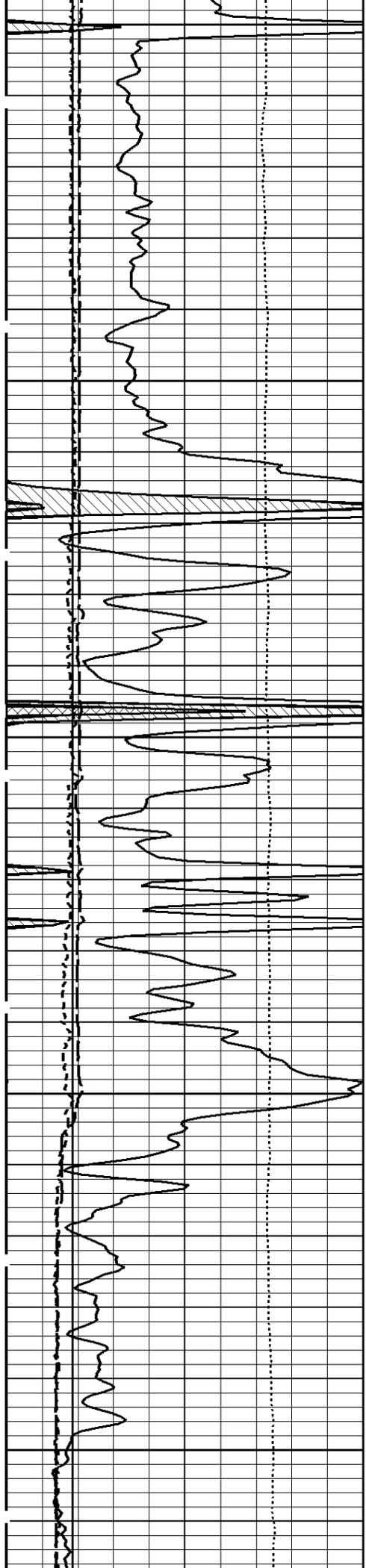




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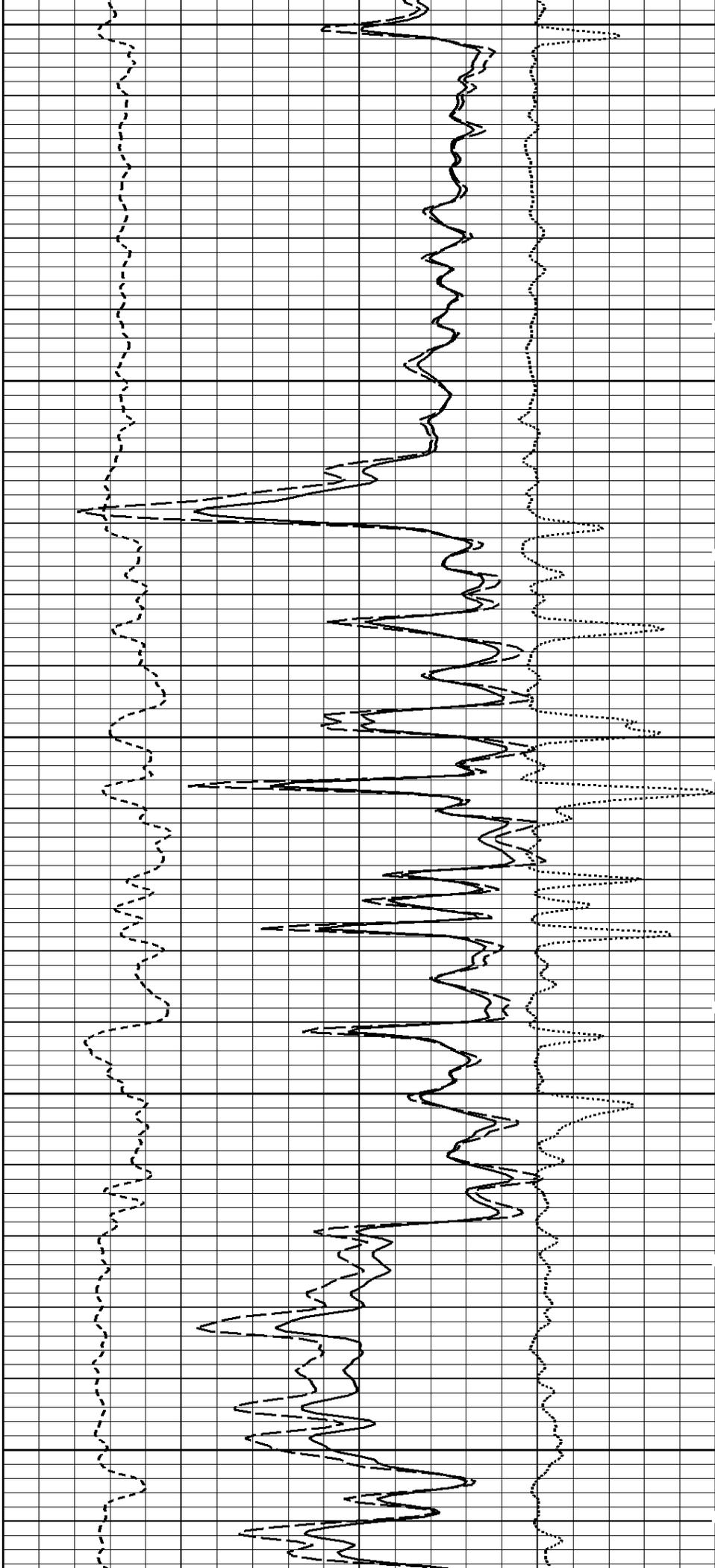
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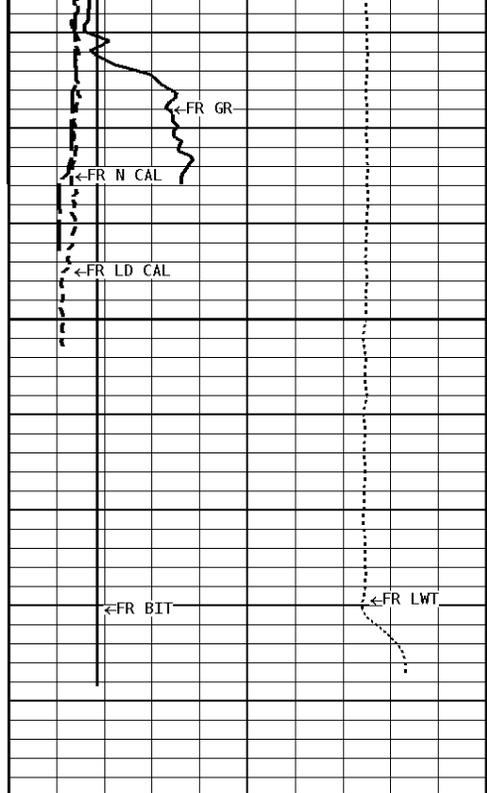




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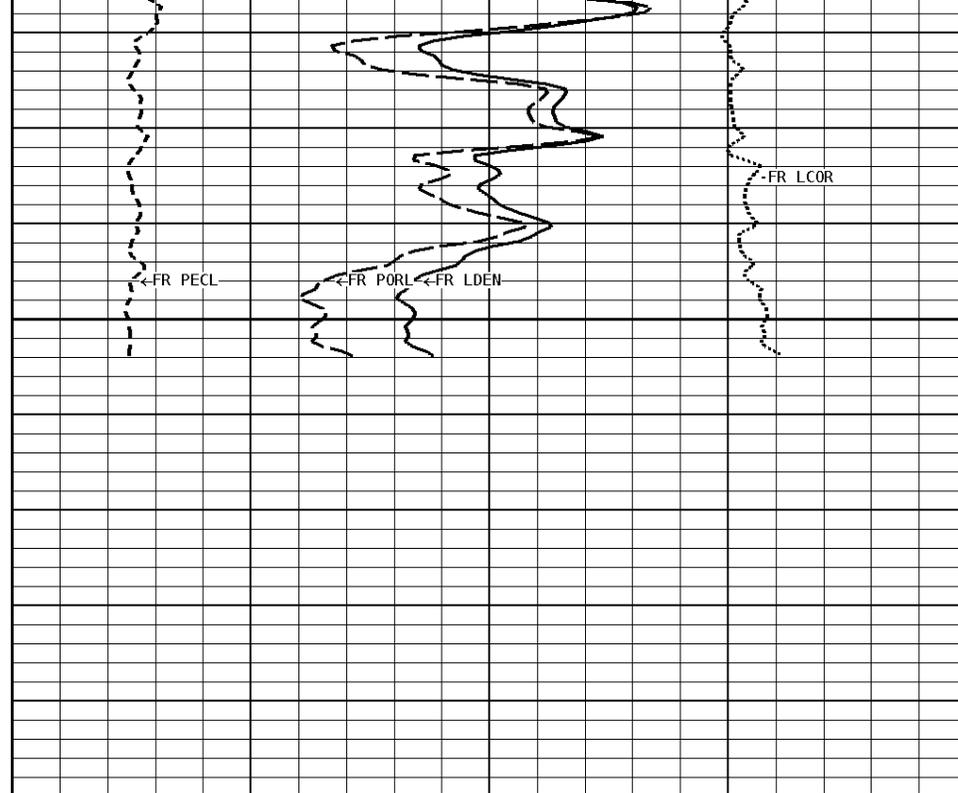
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4500
4531

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1:240 MAIN SECTION
BULK DENSITY

GAMMA RAY API UNITS 150 0  300 0 150		-BHV AHV- CU. FT 70 30 -10	DENSITY POROSITY (2.71g/cc) PERCENT 30 -10 -50	
TENSION LBS 10000 0		COMPENSATED BULK DENSITY G/CC 3.0 4.0 2.0 3.0 1.0 2.0		
DENSITY (X) CALIPER INCHES (IN) 16 26 6 16		PE CROSS-SECTION BARN/ELECTRON 0 10	DENSITY CORRECTION G/CC -0.25 0.25	
NEUTRON (Y) CALIPER INCHES (IN) 16 26 6 16				
BIT SIZE INCHES (IN) 6 16				

*** 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

*** Calibration Summary ***

Shop Calibration	
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GRT-B					
Performed : 10-NOV-2014			Time : 17:59		
Sensor Suite : GR-GR5			ID : GRT-BB-013		
	Measured	Units	Calibrated	Units	
GR	Background	Jig	Jig		GRAPI
	62	380	175		

Shop Calibration CNT-AA					
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	

Performed : 23-Mar-2015			Time : 10:31		
Sensor Suite : BHC NEUT			ID : CNP-AA-111-		
Source ID : N-1045					
	Tank	Verification	Units		
N/F	Measured	Calibrated	Jig		
Porosity	3.5807	3.6893	3.6877		%
	18.9	20.5	20.5		

Shop Calibration LDT-DF					
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	

Performed : 23-Mar-2015			Time : 13:37		
Sensor Suite : BHCPELNG			ID : LDP-DA-067		
Source ID : 2991GW					
	Short Space				
	BKGD	Al	Mg	Al+Fe	Units
LSW1	61	1081	1742	708	CPS
LSW2	64	1226	1949	904	CPS
LSW3	236	2799	4522	2413	CPS
LSW4	292	2518	3660	2247	CPS
LSW5	39	65	72	63	CPS
LSW6	65	70	69	70	CPS
LSW7	49	51	50	50	CPS
LSW8	10	11	13	12	CPS
QS	0.141	0.164	0.160	0.161	
PES			2.778	5.967	
SSDN		2.600	1.680		G/CC
	Long Space				
	BKGD	Al	Mg	Al+Fe	Units
LLW1	88	1216	5028	742	CPS
LLW2	99	2069	8175	1532	CPS
LLW3	369	3771	14472	3270	CPS
LLW4	471	1795	5771	1625	CPS
LLW5	51	61	111	59	CPS
LLW6	156	153	144	155	CPS
LLW7	98	97	94	98	CPS
LLW8	3	6	16	5	CPS
QL	0.231	0.221	0.214	0.223	
PEL			2.697	5.458	
LSDN		2.600	1.680		G/CC

Shop Calibration MST-DA					
Performed : 12-FEB-2015			Time : 09:56		
Sensor Suite : CALI-MSN			ID : MST-DA-26		
	Jig - Measured		Jig - Calibrated		Units
CL # 1	Ring#1	Ring#2	Ring#1	Ring#2	IN.
	7.1	11.2	6.0	12.0	

Performed : 12-FEB-2015			Time : 10:03		
Sensor Suite : MSTDA-NI			ID : MST-DA-26		
	Internal				
	Measured	Units	Calibrated	Units	
	Zero	Reference	Zero	Reference	
INV-V	87.0	29241.9	0.00	1546.00	MV
NOR-V	160.8	30370.9	0.00	1546.00	MV
IN-C	154.0	57456.8	0.00	15.46	UA

INV-C	154.0	57450.0	0.00	15.40	UA
INV-R				32.34	OHMM
NOR-R				55.11	OHMM

Performed : 12-FEB-2015 Time : 10:04
 Sensor Suite : MSTDAMSF ID : MST-DA-26

	Measured		Internal Units	Calibrated		Units
	Zero	Reference		Zero	Reference	
MSFC	23.8	58792.3		0.00	1522.00	UA
MSFB	32762.0	62185.4		0.00	1522.00	MA
MOM1	0.0	56893.8		0.00	1522.00	MV
MSFRA					43.30	OHMM



Tucker
 ENERGY SERVICES

Company: TRIPLE CROWN OPERATING LLC.

Well: FLAX #A1-24

Location: 330' FSL & 330' FEL

Logged: 03-31-2015

K.B. Elev: 2526.0 Ft