Tucker WIRELINE SERVICES

MICRO LOG

File No : TUL-55923
Company : LB EXPLORATIONS INC.
Well : LARKIN #14-2
Field : DEERHEAD NORTH
County : BARBER
State : KANSAS
Country : USA
API No : 15-007-20258-00-01

Location :
1880' FSL & 2120' FWL
NW SE

LSD : **Sect :** 14 **Twp :** 32S **Rge :** 15E

Company LB EXPLORATIONS INC.
Well LARKIN #14-2
Field DEERHEAD NORTH
County BARBER
State KANSAS
Country USA
API No. 15-007-20258-00-01

Permanent Datum:	GL	**Elevations:**		**Services:**	
Drilling Measured From:	KB	**KB** 2110.00	Ft	CNT	CNT
Log Measured From:	KB	**DF** 2009.00	Ft	LDT	PIT
Above Permanent Datum:	13.00 Ft	**GL** 1997.00	Ft	MLT	

Date	Oct 10 2011			
Run Number	1			
Depth--Driller	5400.0 Ft			
Depth--Logger	5393.0 Ft			
First Reading	5356.0 Ft			
Last Reading	3500.0 Ft			
Casing--Driller	244.0 Ft			
Casing--Logger	257.0 Ft			
Bit Size	7.875 In			
Casing Size	8.625 In			
Hole Fluid Type	WBM			
Density	9.1 LBS/GAL			
Fluid Loss	11.2 CC			
PH/Viscosity	9.0	45.0 SEC		
Sample Source	MEASURED			
RM@Measured Temp.	0.780 @ 66 F			
RMF@Measured Temp	0.663 @ 66 F			
RMC@Measured Temp.	1.031 @ 66 F			
Source RMF/RMC	CALCULATED	CALCULATED		
RM@BHT	0.414 @ 130 F			
Time Circulation Stopped	Oct 09 2011 10:00			
Max Recorded Temp.	130 F			
Equipment/Base	TRK123	TULSA		
Recorded By	S. DAVIS / R. FRANKLIN			
Witnessed By	S. PETERMAN			

Bitsize Intervals

Size (In)	Bottom (Ft)
7.875	5400.00

Casing Strings

Size (In)	Weight (Lbs)	Bottom (Ft)
8.625	20.00	244.00

Run Number	1	
Date	Oct 10 2011	
Date/Time On Bottom	Oct 10 2011 03:30	
Depth to Fluid	0.0 Ft	
Salinity	0.000 PPM	
RMF@BHT	0.352 @ 130 F	
RMC@BHT	0.548 @ 130 F	

Run Number 1

Comments

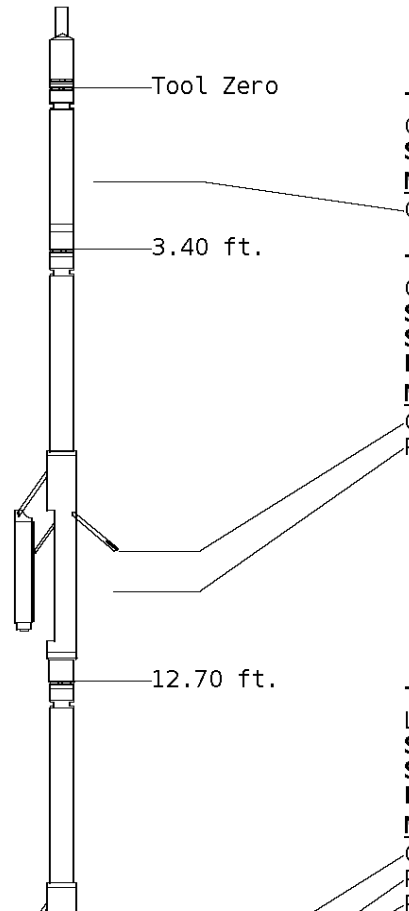
ALL PRESENTATIONS AS PER CUSTOMER REQUEST
GRT, CNT, LDT, MLT, CST, AND PIT RUN IN COMBINATION.
CALIPERS ORIENTED ON X-Y AXIS.
2.71 G/CC USED TO CALCULATED POROSITY.
ANNULAR HOLE VOLUME CALCULATED UISING 5.50" PRODUCTION CASING.
DETAIL PRESENTED FROM TD TO DETAIL 3500' PER CUSTOMER REQUEST.

GRT: GRP, UFGRP, S-KK, S-UK, S-TK.
CNT: PHIN, CLCNIN.
LDT: PORL, LCORN, PECLN, LDENN, PORLLS, CLLDIN.
MLT: NOR_RF, INV_RF, MSCLPIN.
CST: PORS, ITT, CDTF, TT1, TT2, TT3, TT4.
PIT: ILD, ILM, SPU, SFLAEC.

OPERATORS:
J. THOMAS
S. DAVIS
A. WARREN

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-41

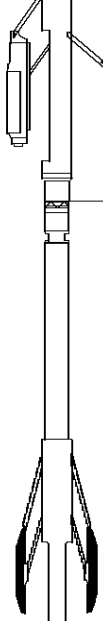
Measure Point	Tool Offset	Stack Offset	Bottom Offset
GRP	2.00	2.00	65.37

Tool: CNT-AA **Length:** 9.30 **ft.** **O.D.** 4.36 **in.**
Compensated Neutron A Pad on NDT-A
Sonde ID :NDT-BB-129
Source ID :N-1046
Pad ID :CNP-AA-112

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-464
Source ID :2991GW
Pad ID :LDP-DA-066

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



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,D)
Sonde ID :MLT-DA-21

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.

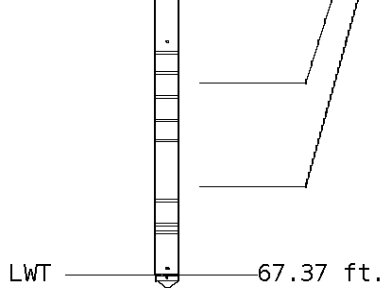
Tool: CST-AD **Length:** 13.80 **ft.** **O.D.** 3.60 **in.**
Open Hole Sonic
Sonde ID :CST-AD-078

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-BA-20

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



Well File: lb_exp_lar_14-2_oct_10_quint
Segment: V1.D4.S1 MAIN
Reference: 0

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

TENSION
LBS
10000 — 0

BIT SIZE
INCHES (IN)
6 — 16

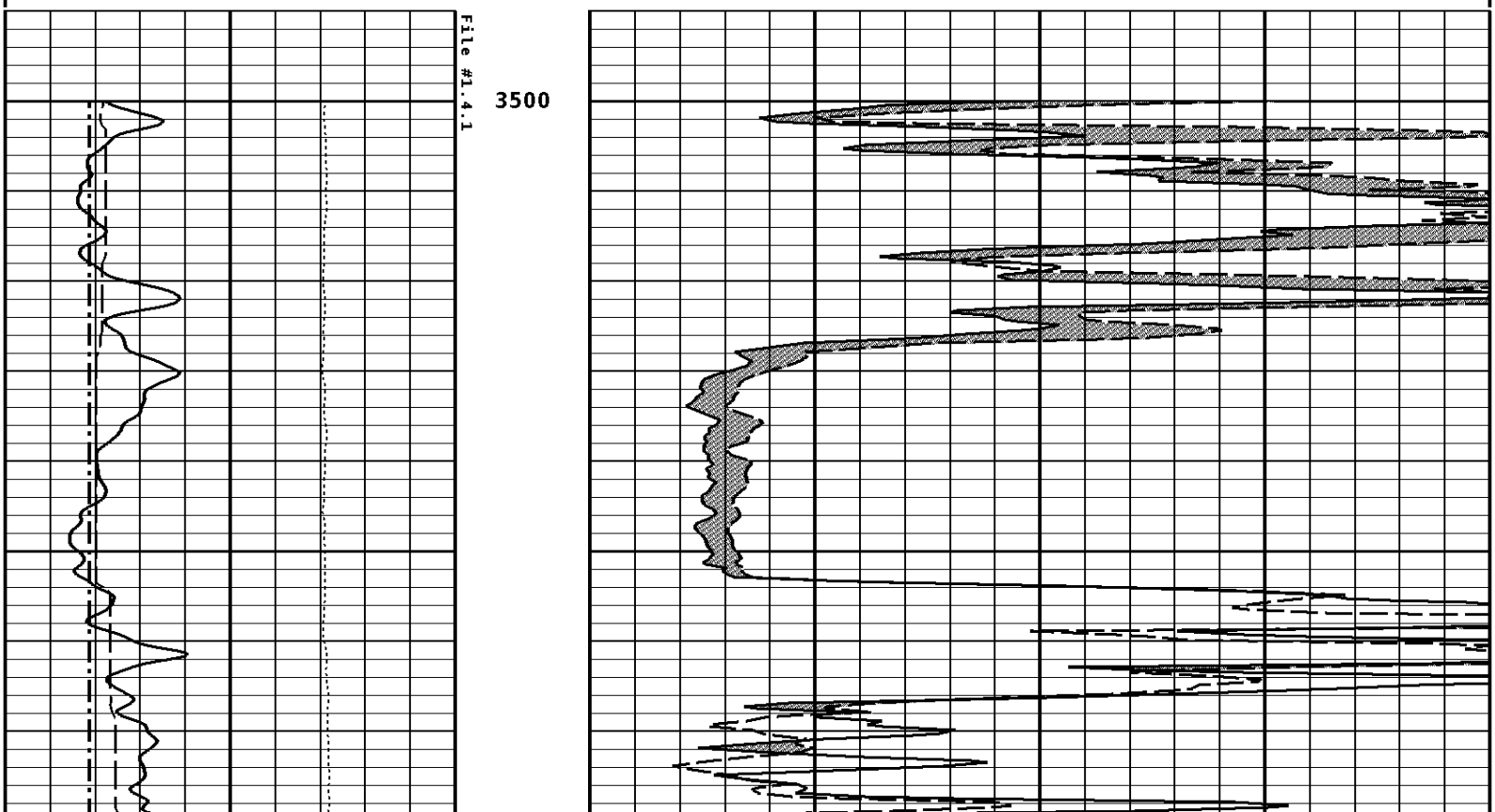
GAMMA RAY
API UNITS
150 — 300
0 — 150

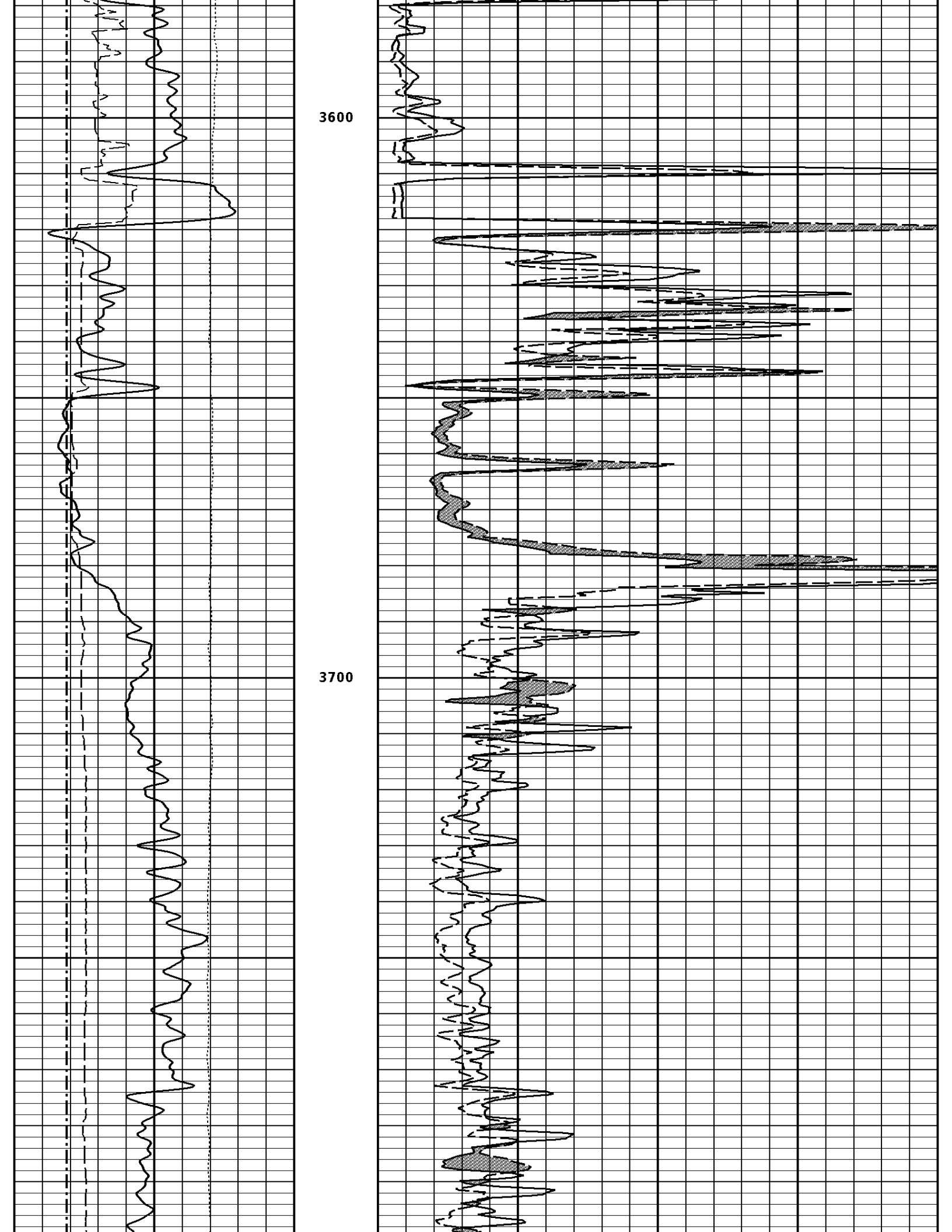
CALIPER MICRO
INCHES (IN)
16 — 26
6 — 16

MICRO-INVERSE
OHMM
0 — 40

MICRO-NORMAL
OHMM
0 — 40

1:240 MAIN SECTION

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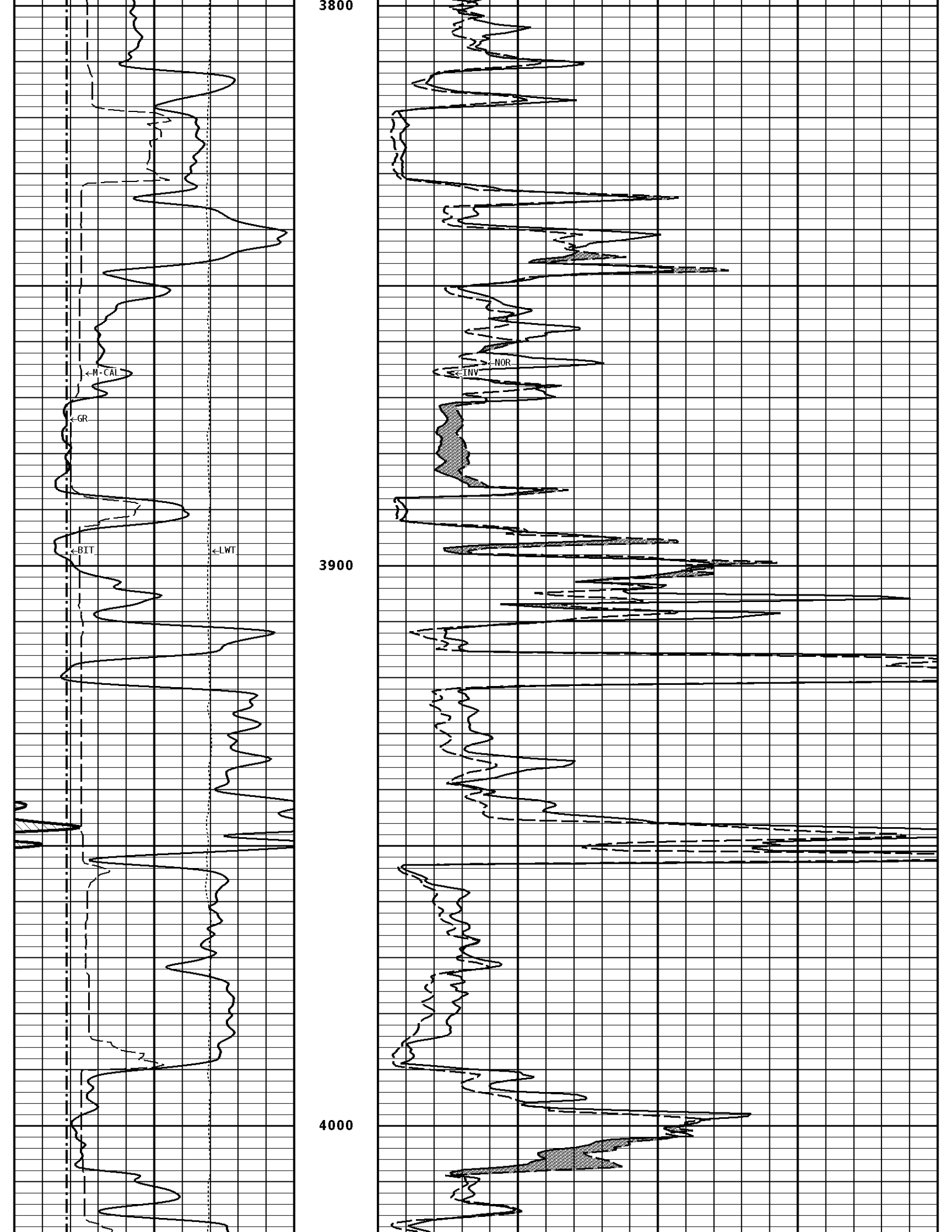
3700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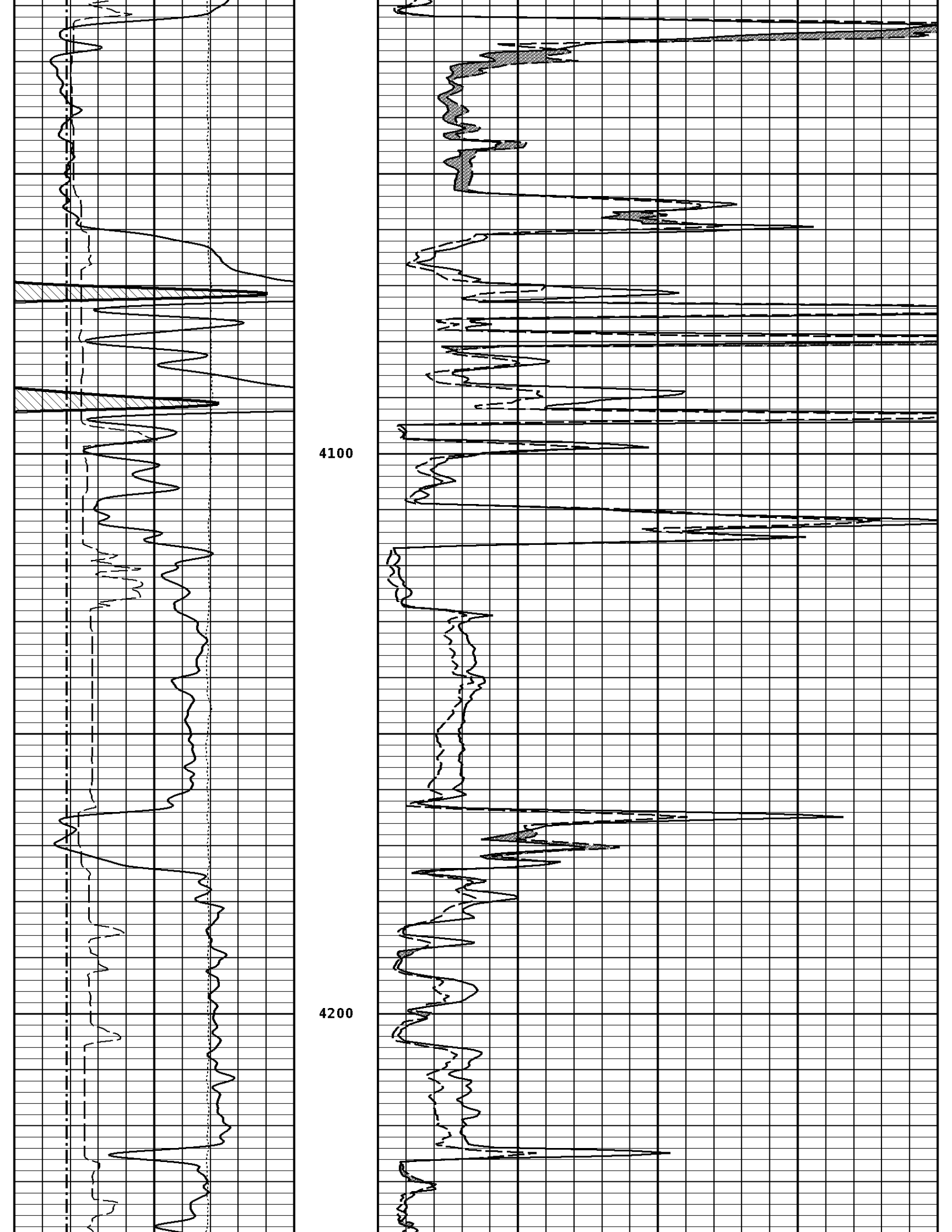
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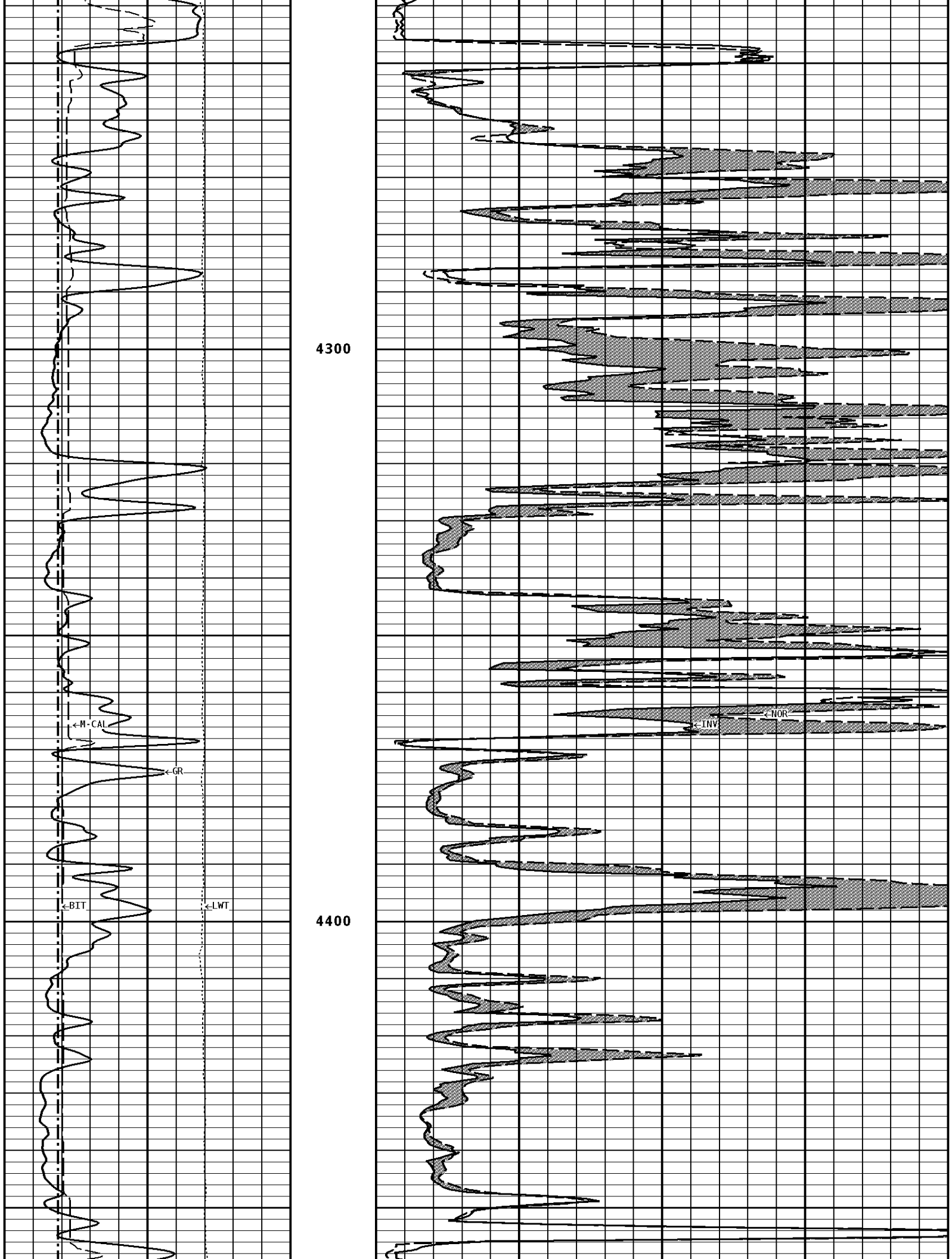
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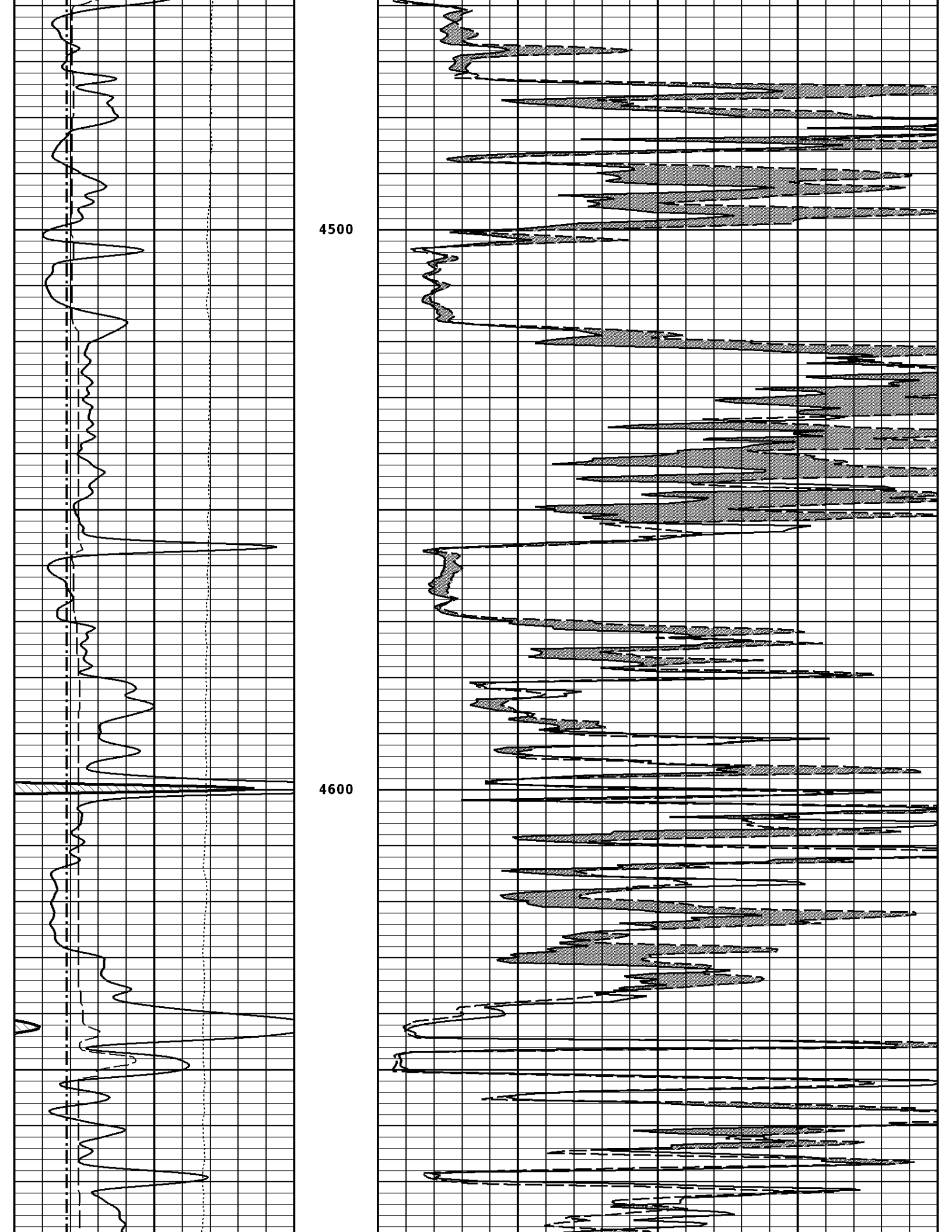
←GR
←BIT
←LWT
←NOR
←INV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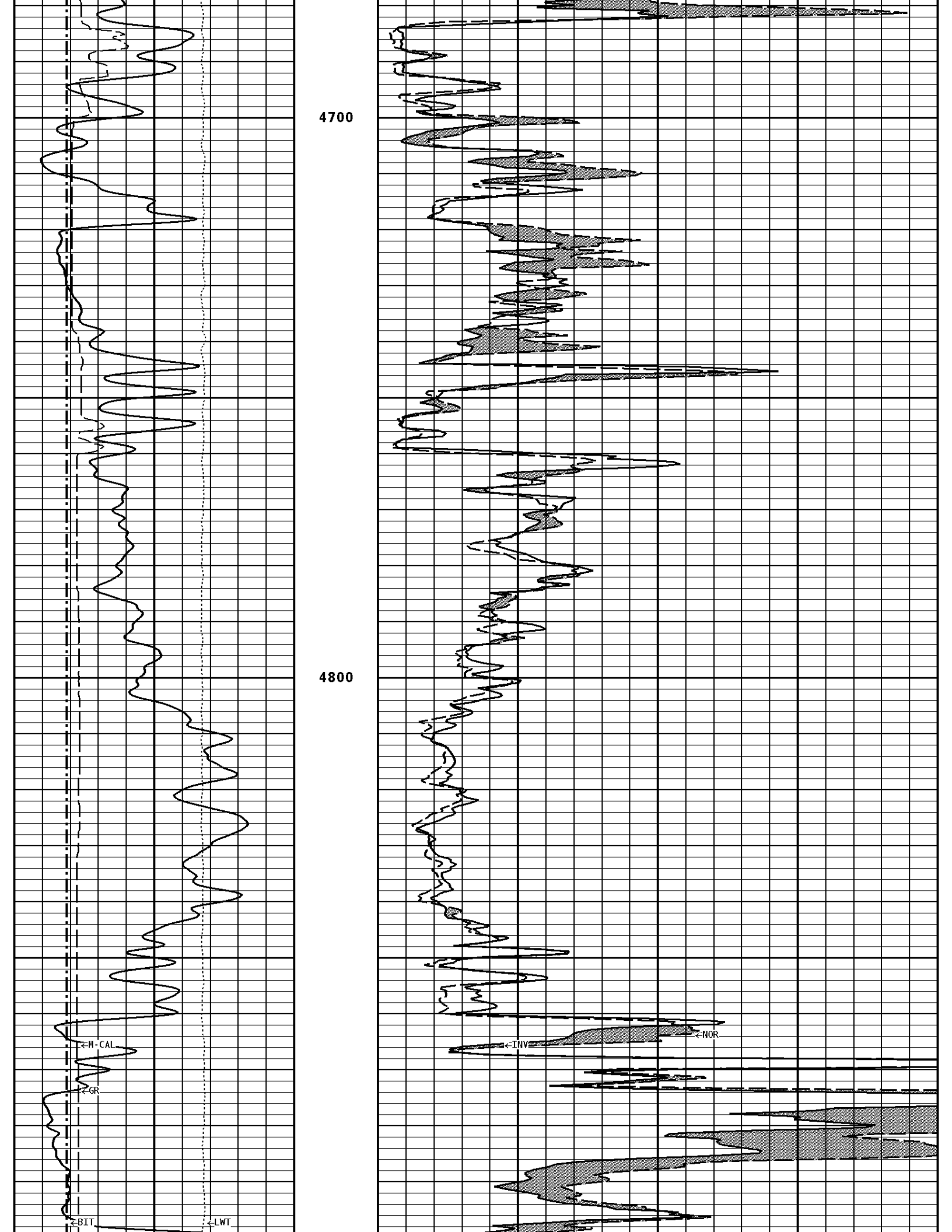
4600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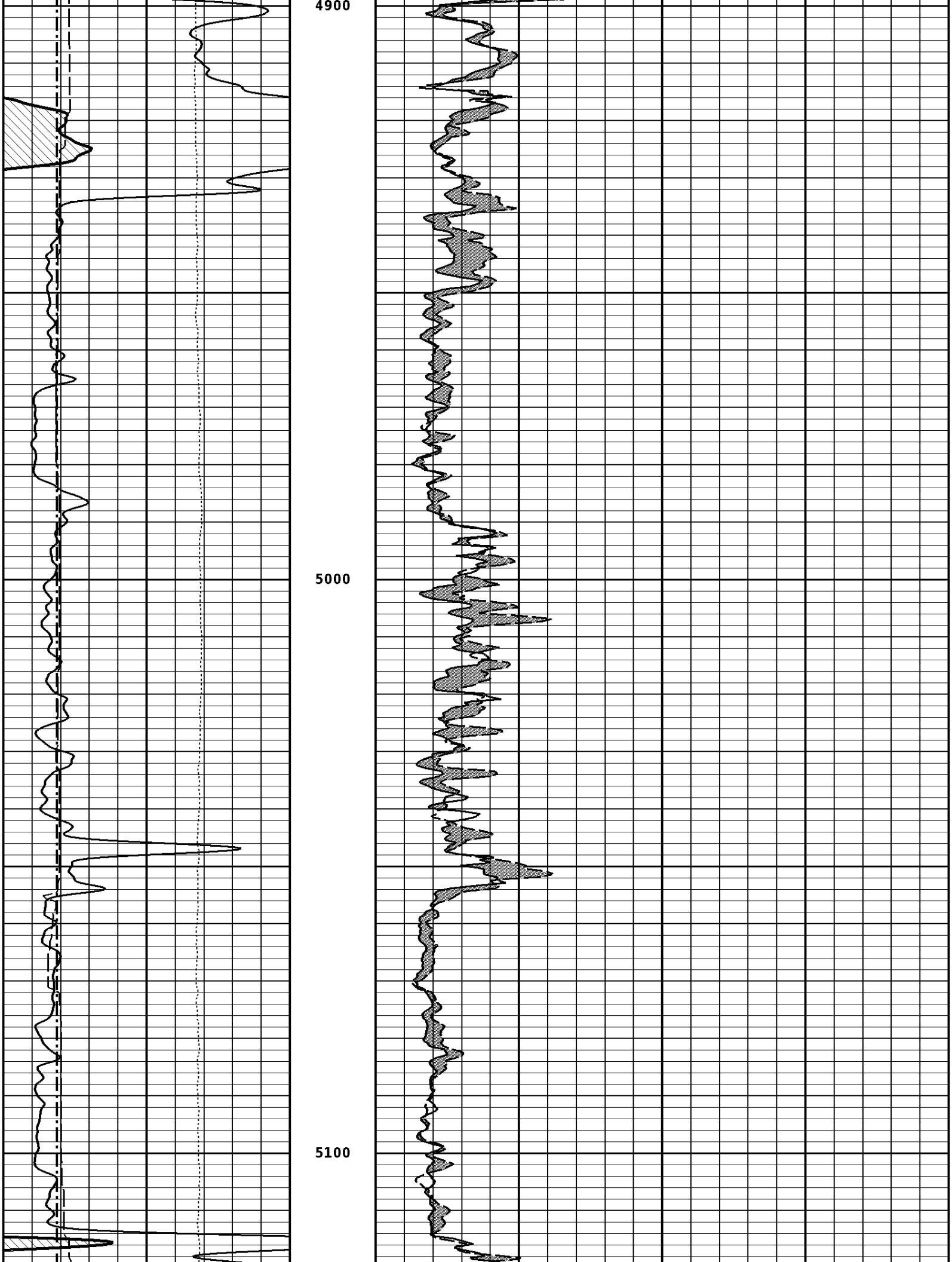
←NOR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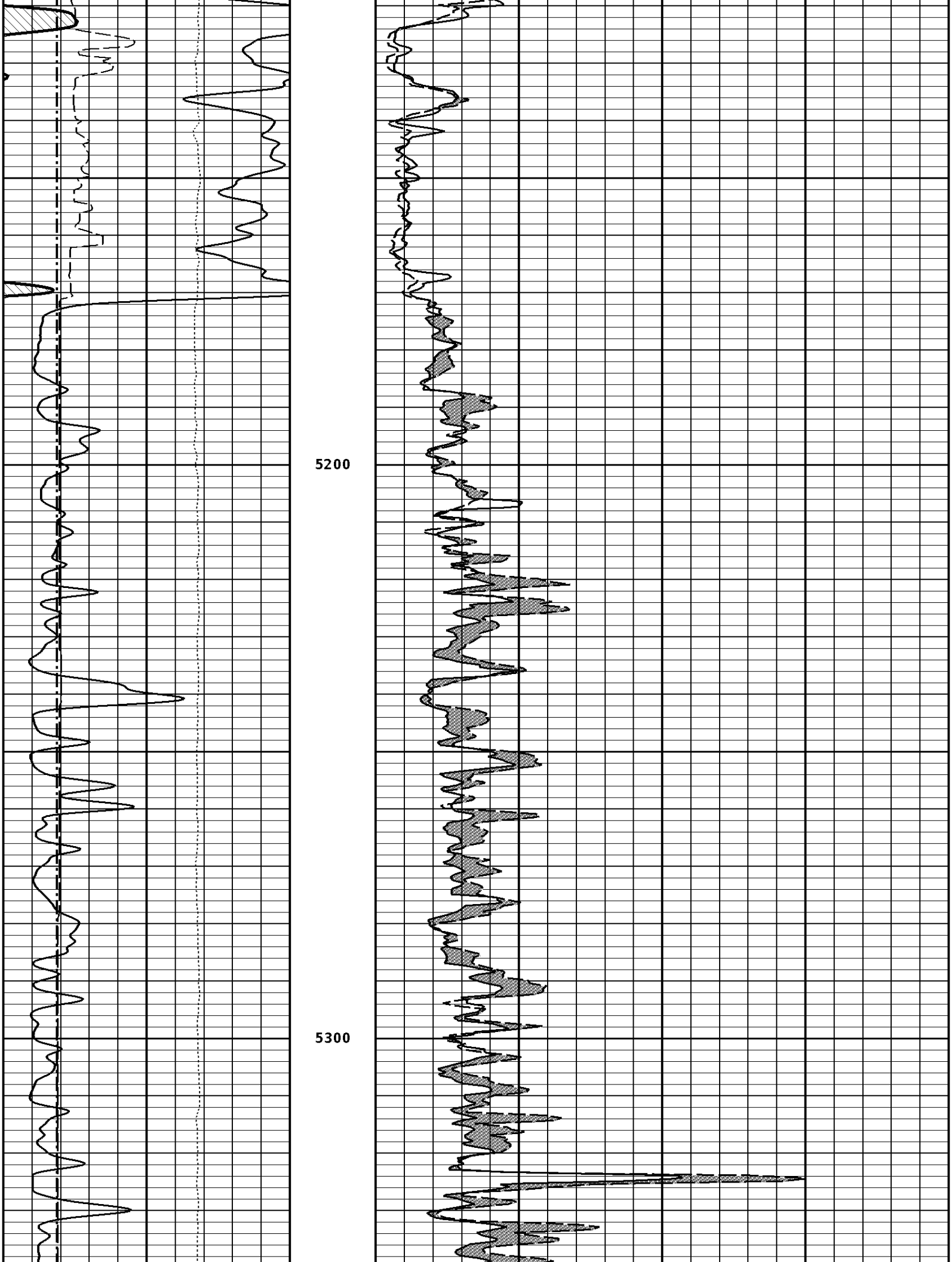
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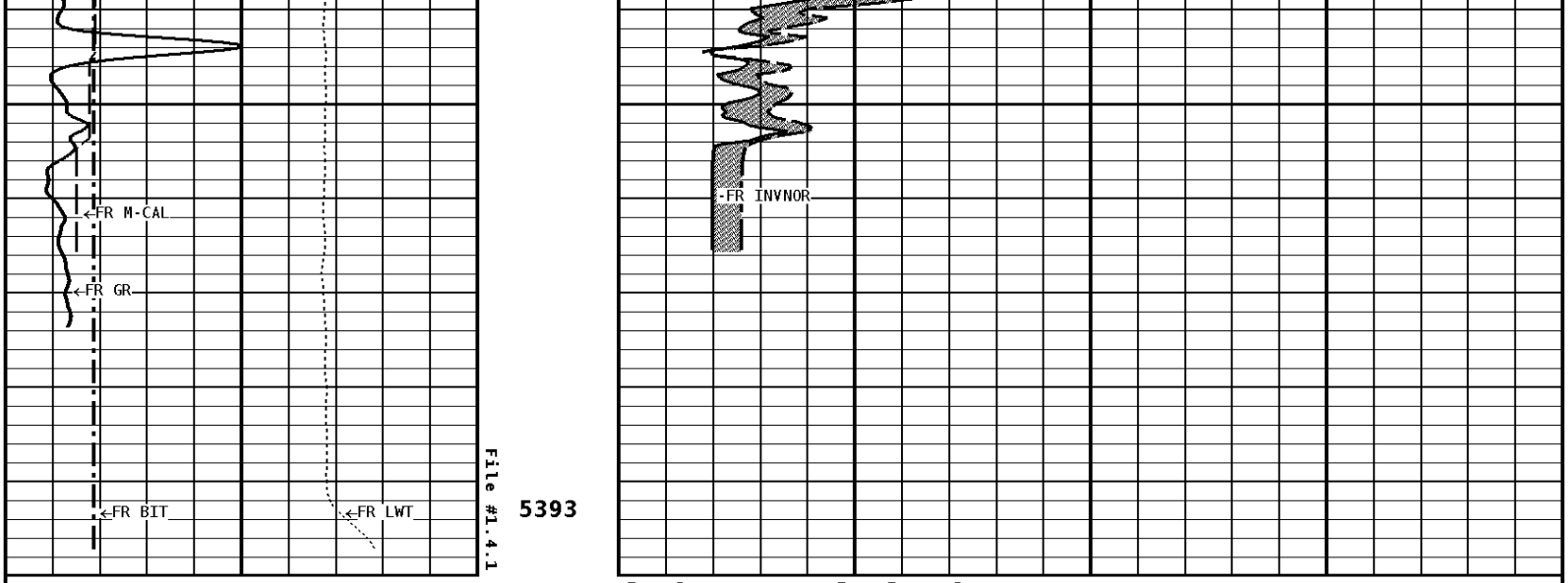


1:240 MAIN SECTION

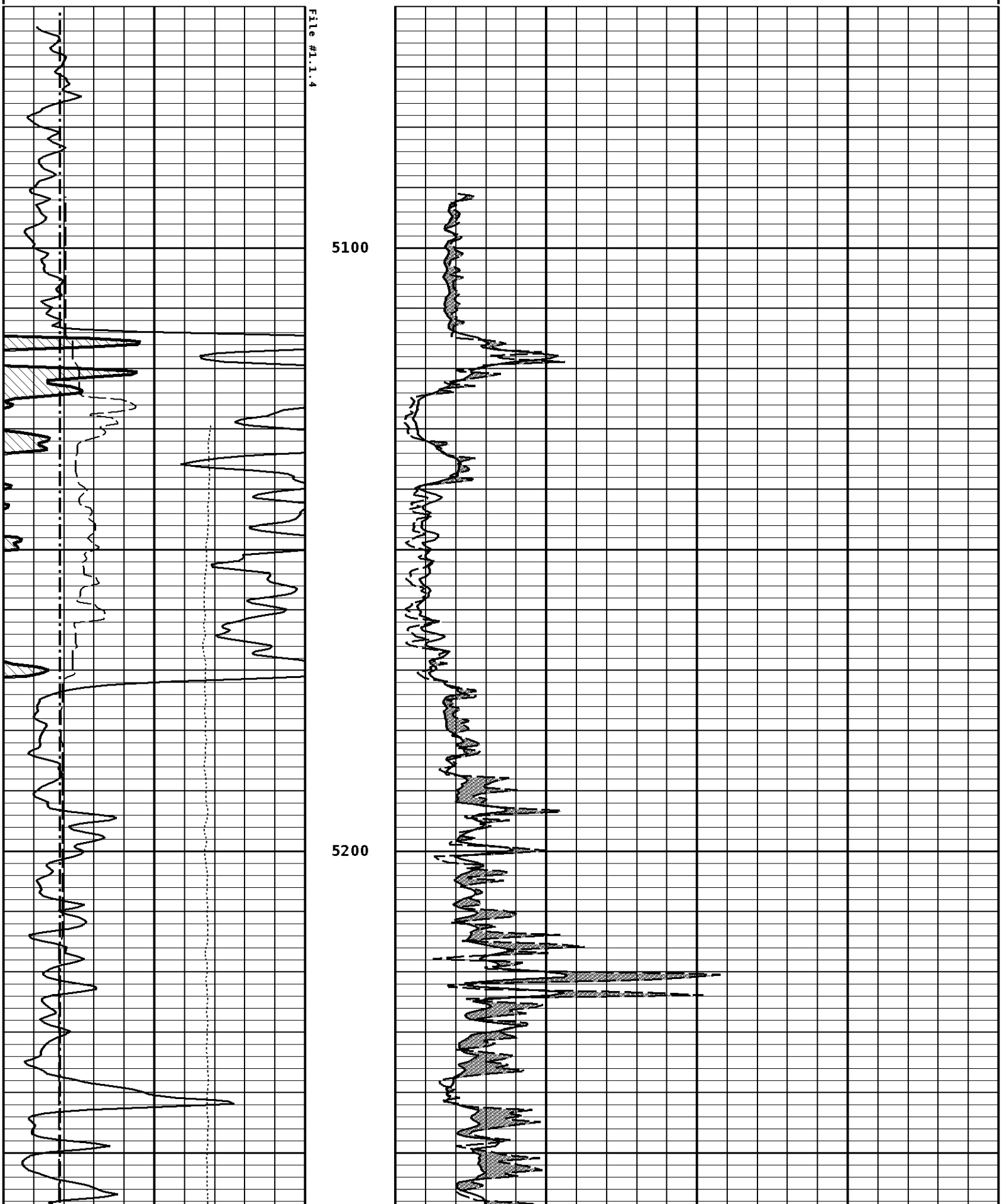
CALIPER MICRO **INCHES (IN)** 16 — 26 6 — 16	**MICRO-NORMAL** **OHMM** 0 — 40
GAMMA RAY **API UNITS** 150 — 300 0 — 150	**MICRO-INVERSE** **OHMM** 0 — 40
BIT SIZE **INCHES (IN)** 6 — 16	
TENSION **LBS** 10000 — 0	

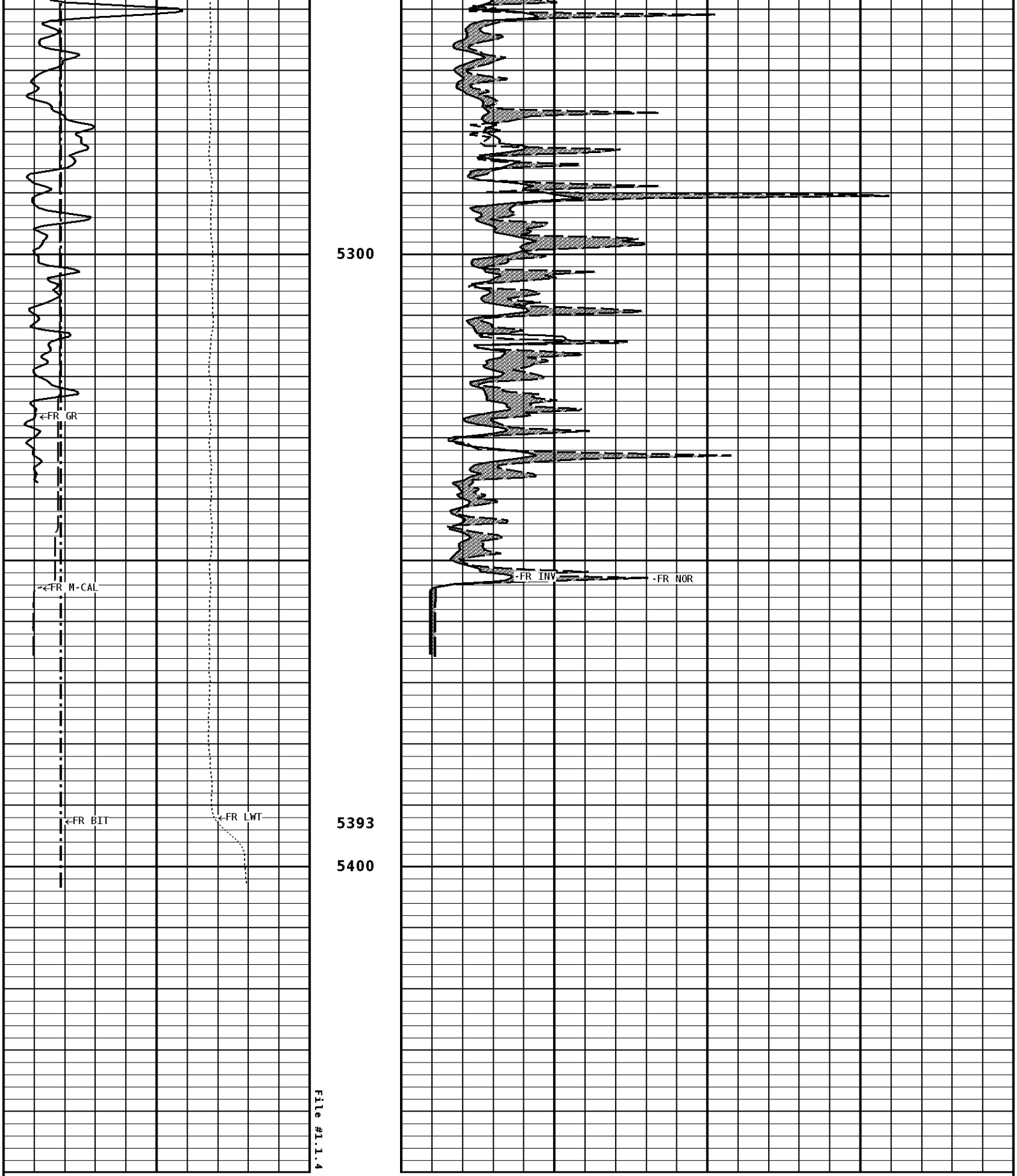
Well File: lb_exp_lar_14-2_oct_10_quint
Segment: V1.D1.S4 RP
Reference: 0
Scale: 1:240
Acquired: 2011-10/10 03:24 3.2.0-9963
Processed: 2011-10/10 05:53 3.2.0-9963

TENSION **LBS** 10000 — 0	
BIT SIZE **INCHES (IN)** 6 — 16	
GAMMA RAY **API UNITS** 150 — 300 0 — 150	**MICRO-INVERSE** **OHMM** 0 — 40
CALIPER MICRO **INCHES (IN)** 16 — 26 6 — 16	**MICRO-NORMAL** **OHMM** 0 — 40

1:240 REPEAT SECTION

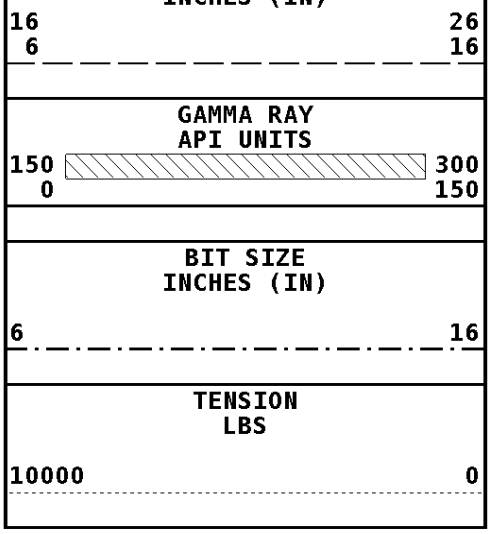
1:240 REPEAT SECTION

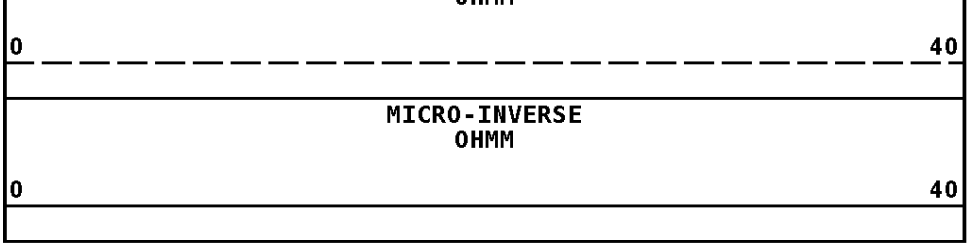




1:240 REPEAT SECTION

CALIPER MICRO INCHES (IN)		MICRO-NORMAL OHMM





* Calibration Summary *

Shop Calibration
GRT-B

Performed : 04-APR-2011 Time : 19:28
Sensor Suite : GR-GR5 ID : GRT-BC-41

	Measured		Units	Calibrated	Units
	Background	Jig		Jig	
GR	46	346	CPS	175	GRAPI

Shop Calibration
MST-DA

Performed : 27-SEP-2011 Time : 10:01
Sensor Suite : CALI-MSN ID : MLT-DA-21

	Jig - Measured		Jig - Calibrated		Units
	Ring#1	Ring#2	Ring#1	Ring#2	
CL # 1	6.9	11.3	6.0	12.0	IN.

Performed : 27-SEP-2011 Time : 23:19
Sensor Suite : MSTDA-NI ID : MLT-DA-21

Internal

	Measured			Calibrated		
	Zero	Reference	Units	Zero	Reference	Units
INV-V	0.0	29798.9		0.00	1546.00	MV
NOR-V	5.3	30095.1		0.00	1546.00	MV
IN-C	0.0	60566.2		0.00	15.46	UA
INV-R					32.34	OHMM
NOR-R					55.11	OHMM

Performed : 27-SEP-2011 Time : 23:19
Sensor Suite : MSTDAMSF ID : MLT-DA-21

Internal

	Measured			Calibrated		
	Zero	Reference	Units	Zero	Reference	Units
MSFC	15.0	42144.9		0.00	1522.00	UA
MSFB	29116.0	30973.0		0.00	1522.00	MA
MOM1	0.0	43106.2		0.00	1522.00	MV
MSFRA					43.30	OHMM