Tucker ENERGY SERVICES

MICRO LOG

Company ANDERSON ENERGY INC
Well MACDONALD BONDY #1
Field WILDCAT
County ELLIS
State KANSAS
Country USA
API No. 15-051-26394

File No : TUL-57629
Company : ANDERSON ENERGY INC
Well : MACDONALD BONDY #1
Field : WILDCAT
County : ELLIS
State : KANSAS
Country : USA
API No : 15-051-26394

Location :
1370' FSL & 2300' FEL
SE SW NW SE/4

LSD : **Sect :** 18 **Twp :** 15S **Rge :** 20W

Permanent Datum:	GL	**Elevations:**		**Services:**	
Drilling Measured From:	KB	**KB**	2137.00 Ft	CNT	CST
Log Measured From:	KB	**DF**	2136.00 Ft	LDT	PIT
Above Permanent Datum:	9.00 Ft	**GL**	2128.00 Ft	MLT	

Date	2012-10-30						
Run Number	1						
Depth--Driller	4000.0	Ft					
Depth--Logger	3998.0	Ft					
First Reading	3962.0	Ft					
Last Reading	316.0	Ft					
Casing--Driller	316.0	Ft					
Casing--Logger	316.0	Ft					
Bit Size	0.078	In					
Casing Size	8.625	In					
Hole Fluid Type	WBM						
Density	9.1	LBS/GAL					
Fluid Loss	7.6	CC					
PH/Viscosity	10.5	53.0 SEC					
Sample Source	MEASURED						
RM@Measured Temp.	0.450 @ 70 F						
RMF@Measured Temp	0.380 @ 70 F						
RMC@Measured Temp.	0.520 @ 70 F						
Source RMF/RMC	CALCULATED	CALCULATED					
RM@BHT	0.280 @ 118 F						
Time Circulation Stopped							
Max Recorded Temp.	120 F						
Equipment/Base	TRK 119	TULSA					
Recorded By	S. DAVIS						
Witnessed By	P. BALTHAZOR						

Bitsize Intervals

Size (In)	Bottom (Ft)
0.078	3998.00

Casing Strings

Size (In)	Weight (Lbs)	Bottom (Ft)
8.625	20.00	316.00

Run Number	1	
Date	2012-10-30	
Date/Time On Bottom	2012-10-30 13:00	
Depth to Fluid	0.0 Ft	
Salinity	4600.000 PPM	
RMF@BHT	0.240 @ 118 F	
RMC@BHT	0.320 @ 118 F	

Run Number 1

Comments

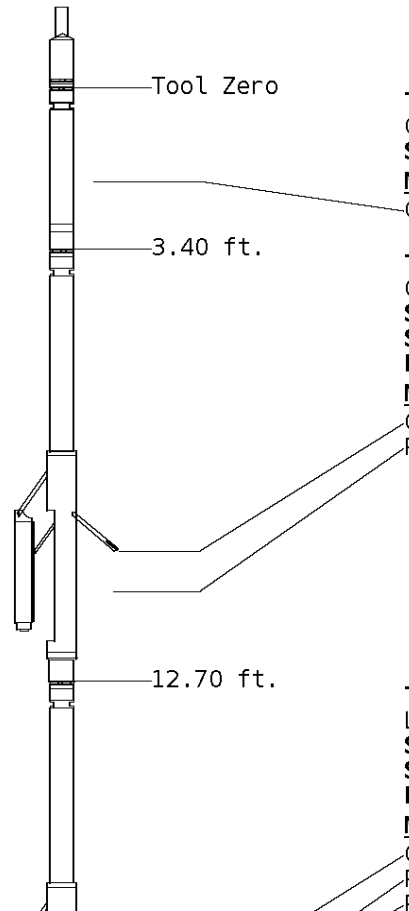
ALL PRESENTATIONS AS PER CUSTOMER REQUEST
GRT, CNT, LDT, MLT, CST, AND PIT RUN IN COMBINATION.
CALIPERS ORIENTED ON X-Y AXIS.
2.71 G/CC USED TO CALCULATED POROSITY.
ANNULAR HOLE VOLUME CALCULATED USING 5.50" PRODUCTION CASING.
DETAIL PRESENTED FROM TD TO 2800' PER CUSTOMER REQUEST.

GRT: GRP.
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:
B. COLWILL
M. RUBY

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-BA-14

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

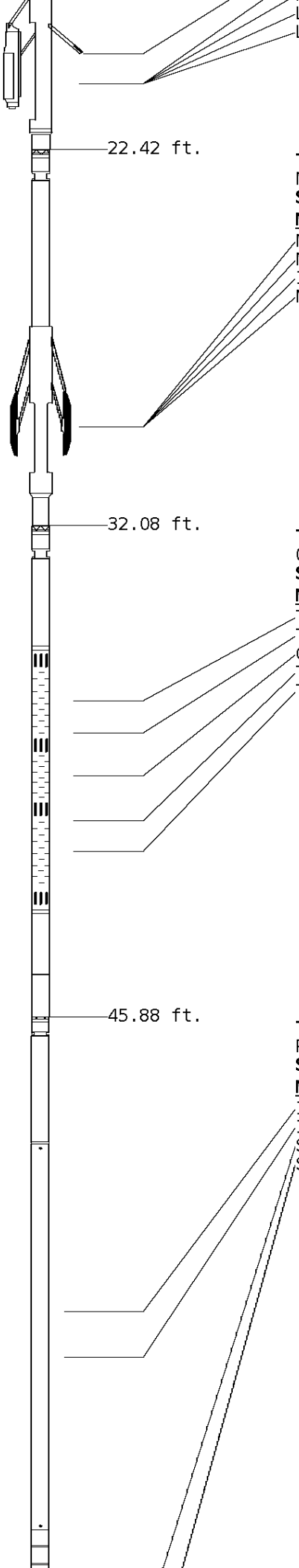
Tool: CNT-AA **Length:** 9.30 **ft.** **O.D.** 4.36 **in.**
Compensated Neutron A Pad on NDT-A
Sonde ID :NDT-BB-123
Source ID :N-1045
Pad ID :CNP-AA-024

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-065

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



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

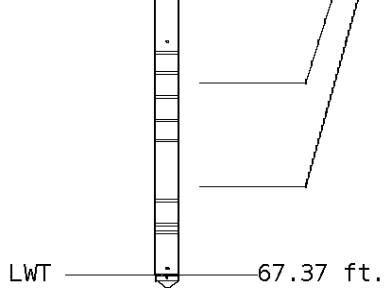
Measure Point	Tool Offset	Stack Offset	Bottom Offset
MSFL	7.60	30.02	37.35
MSCLP	7.60	30.02	37.35
INV	7.60	30.02	37.35
NOR	7.60	30.02	37.35

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

Tool: PIT-CA **Length:** 21.49 **ft.** **O.D.** 3.62 **in.**
Phased Dual Induction w/ RM & D
Sonde ID :PIT-AC-22

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: and-mac-bon-1-quint-dip-oct-30	**Scale:** 1:240
Segment: V1.D1.S9 MN	**Acquired:** Not Available
Reference: 0	**Processed:** 2012-10/30 15:55 3.2.0-11087

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

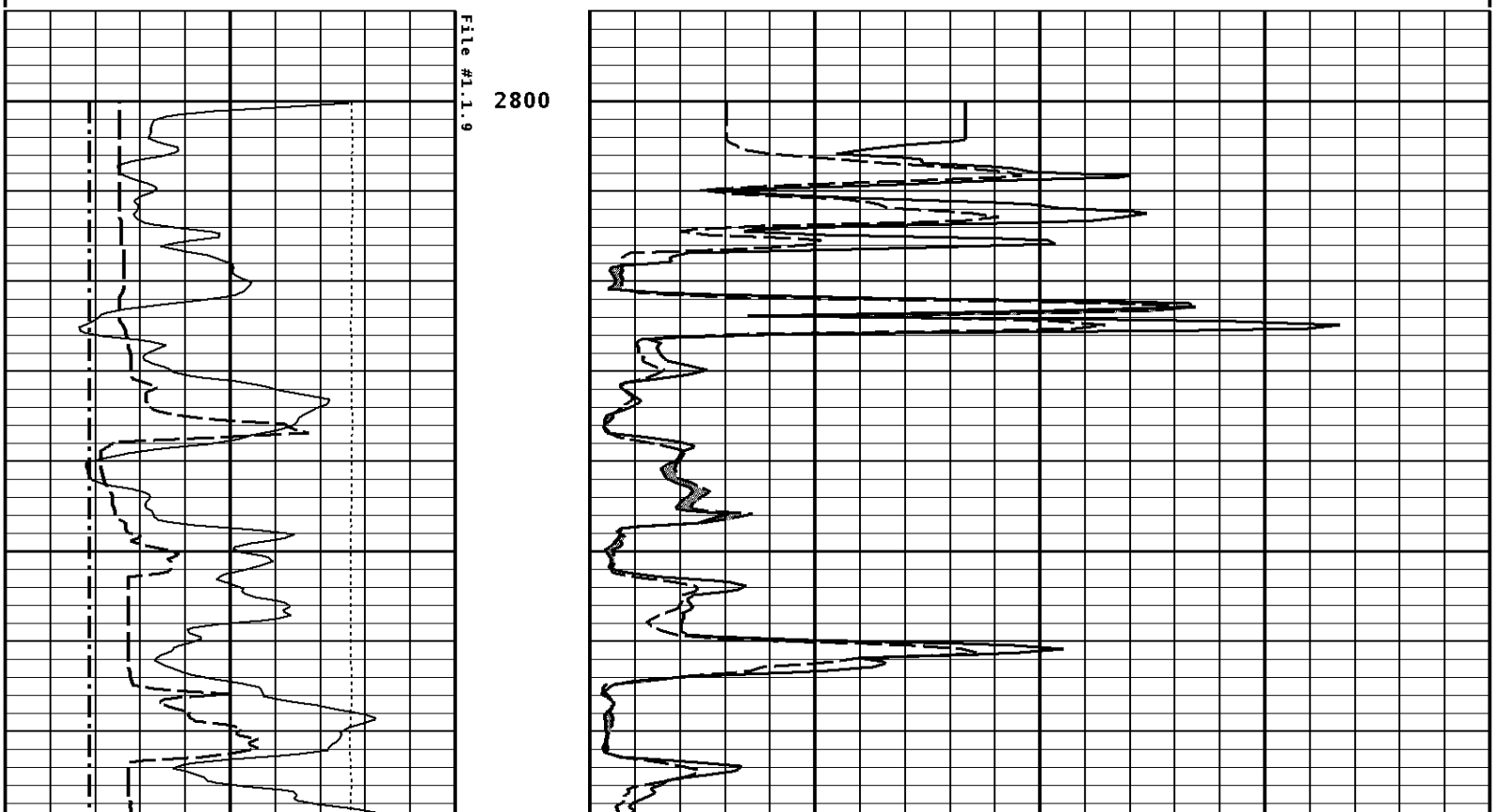
MICRO-INVERSE
OHMM

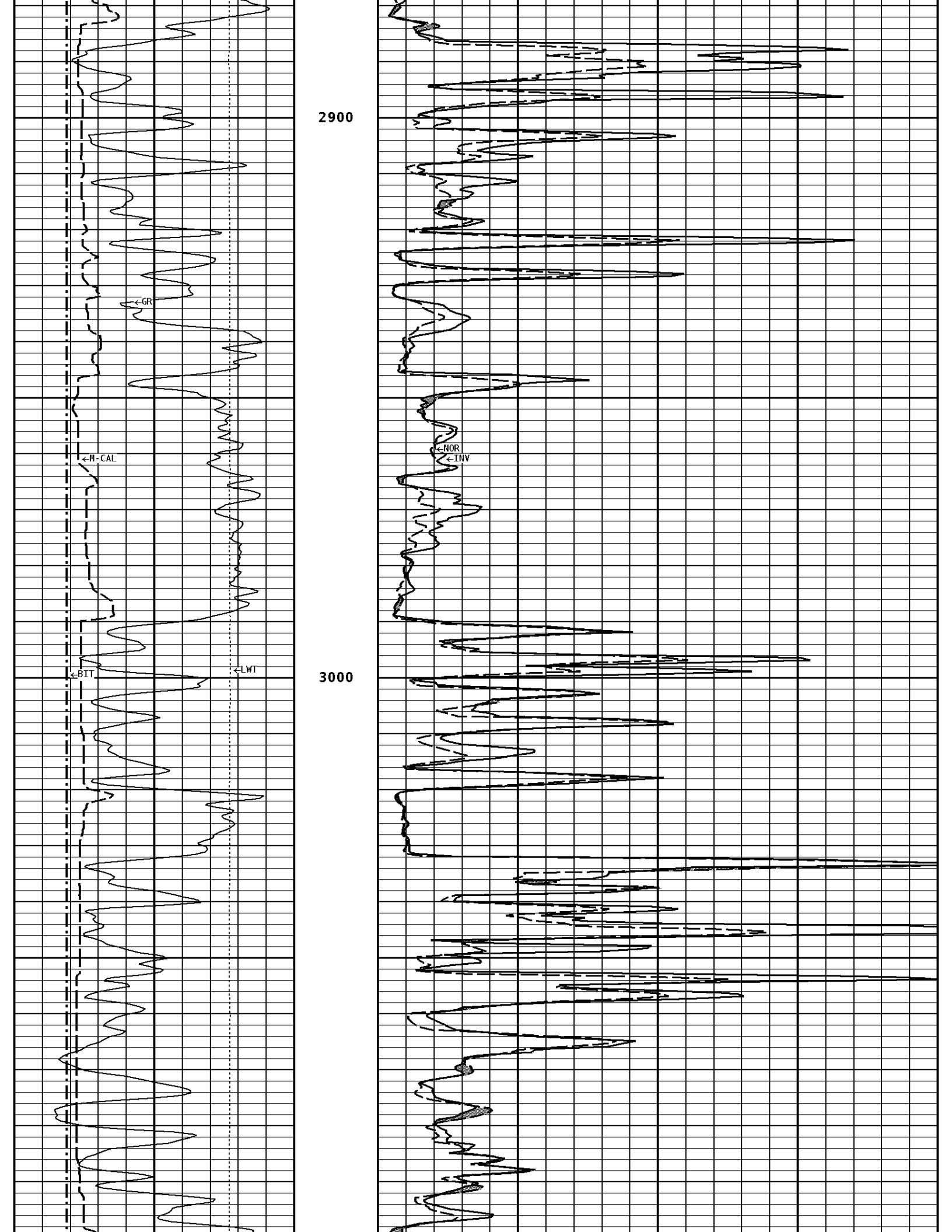
0 — 40

MICRO-NORMAL
OHMM

0 — 40

1:240 MAIN SECTION

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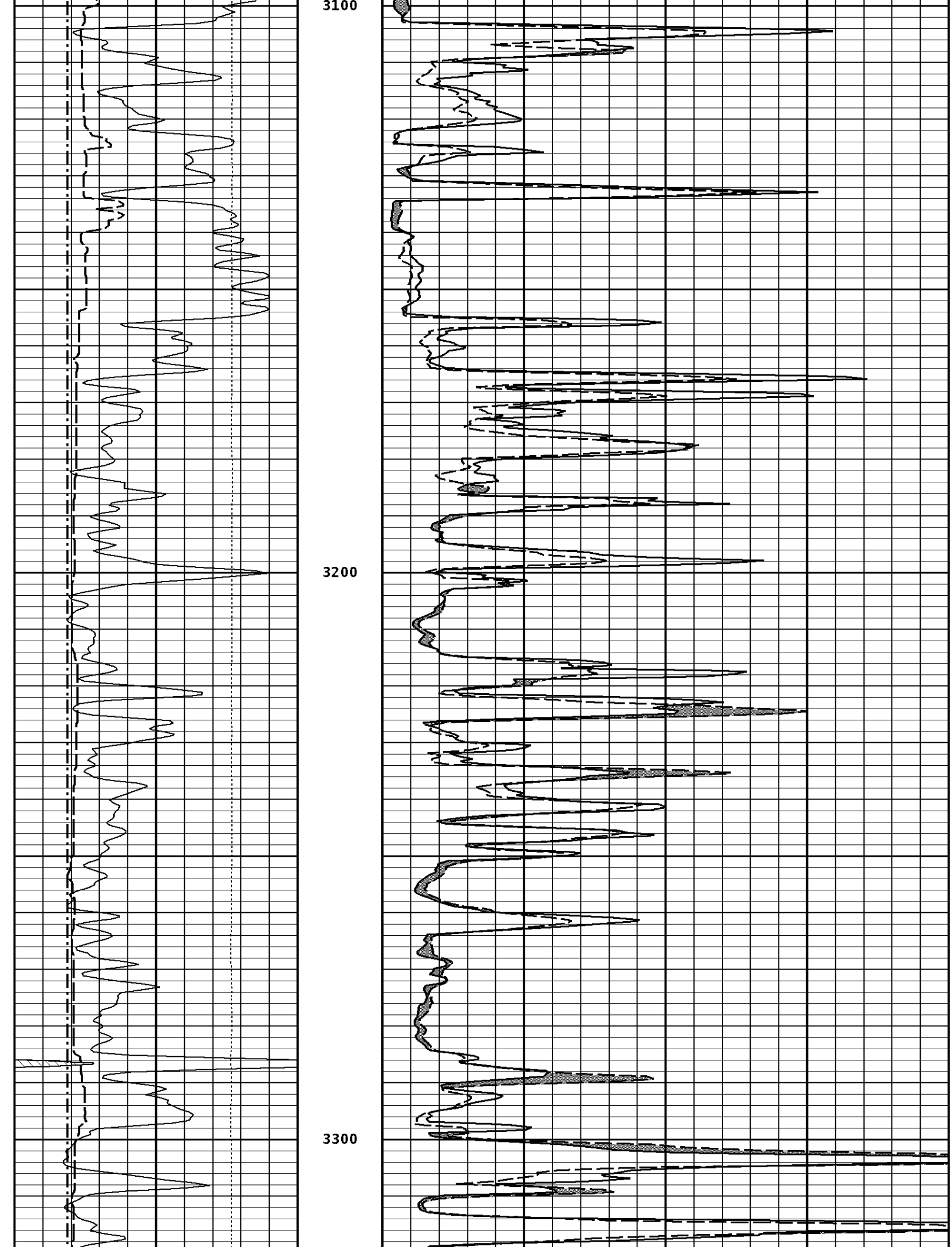
←LWT
←NOR
←INV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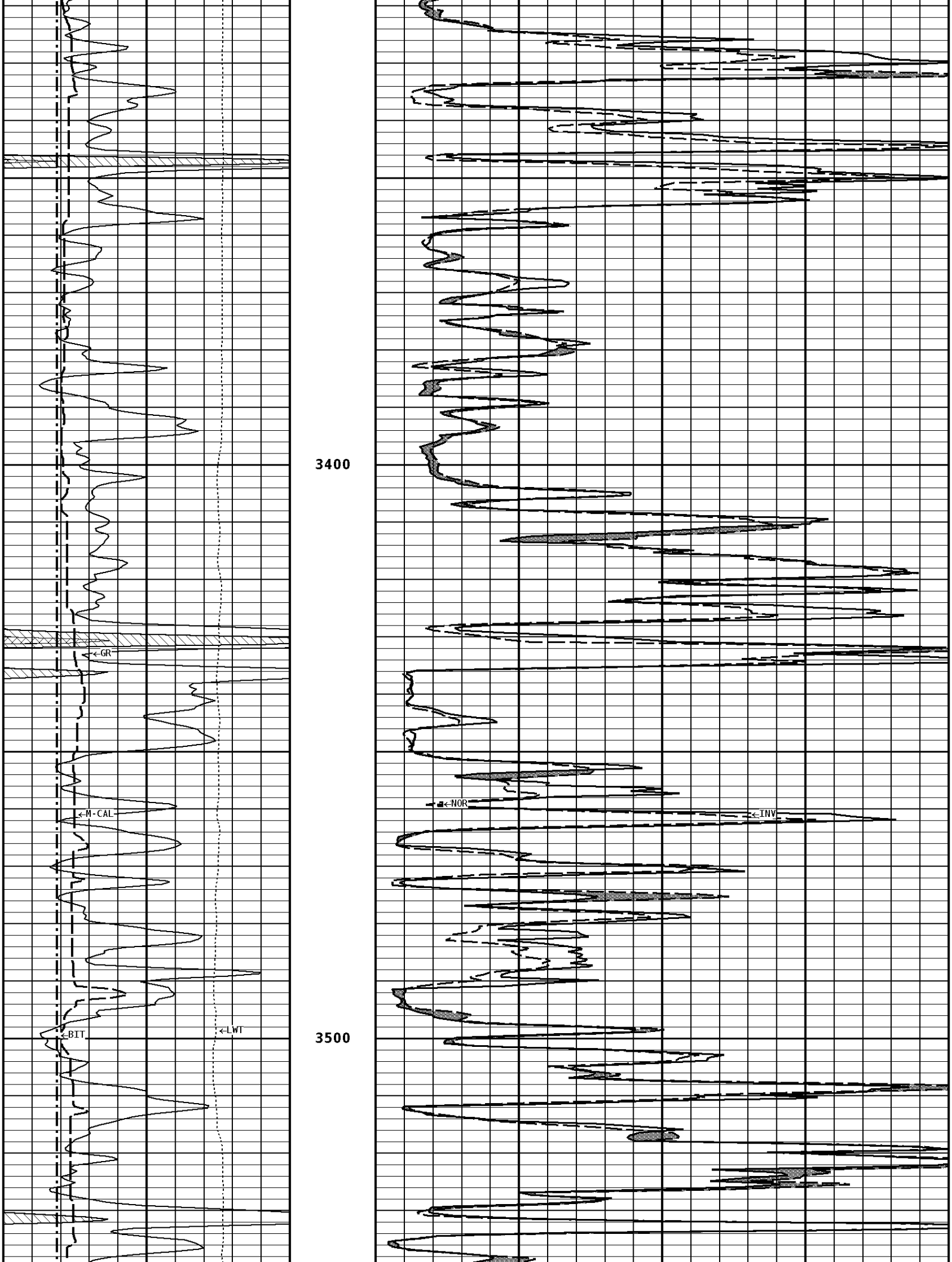
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←BIT
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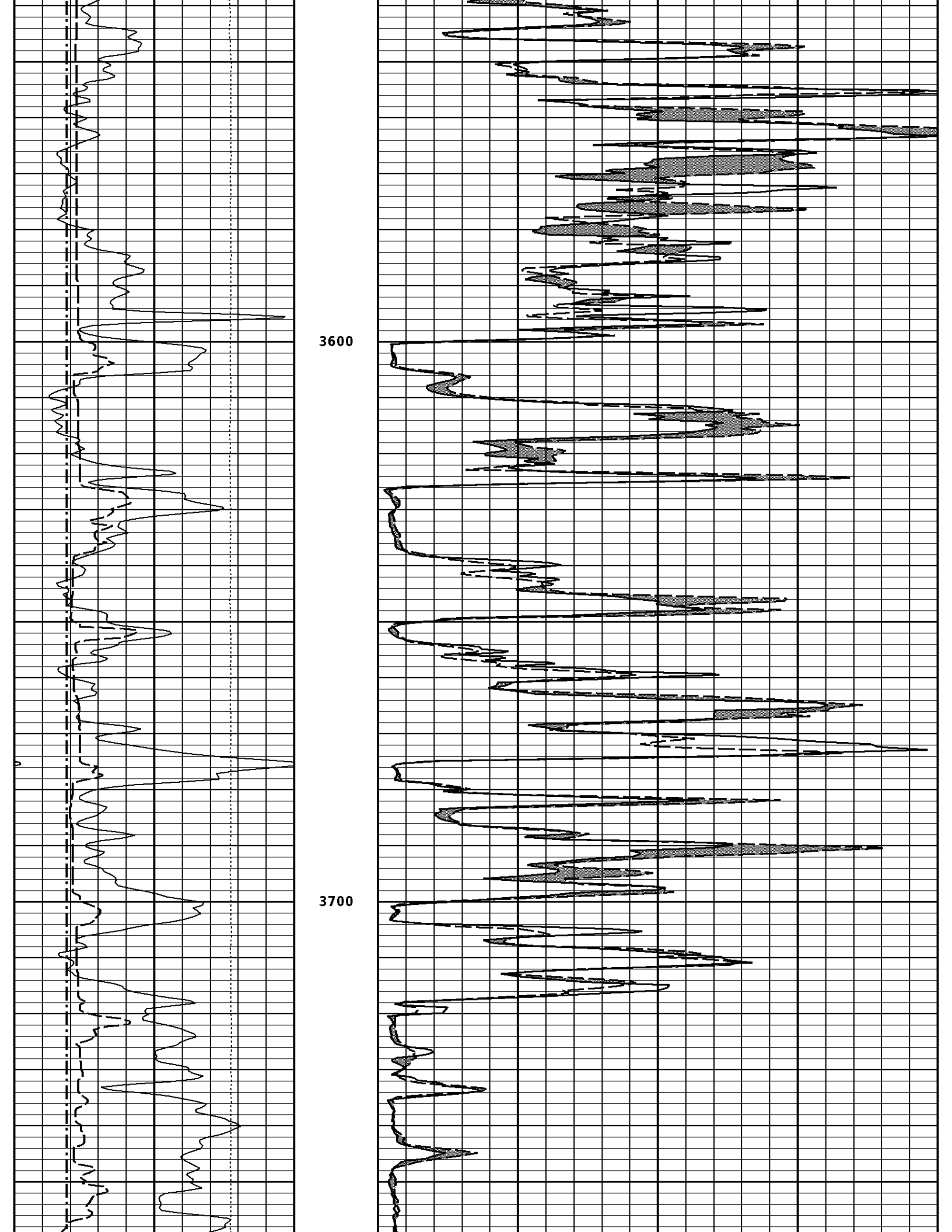
←NOR
←INV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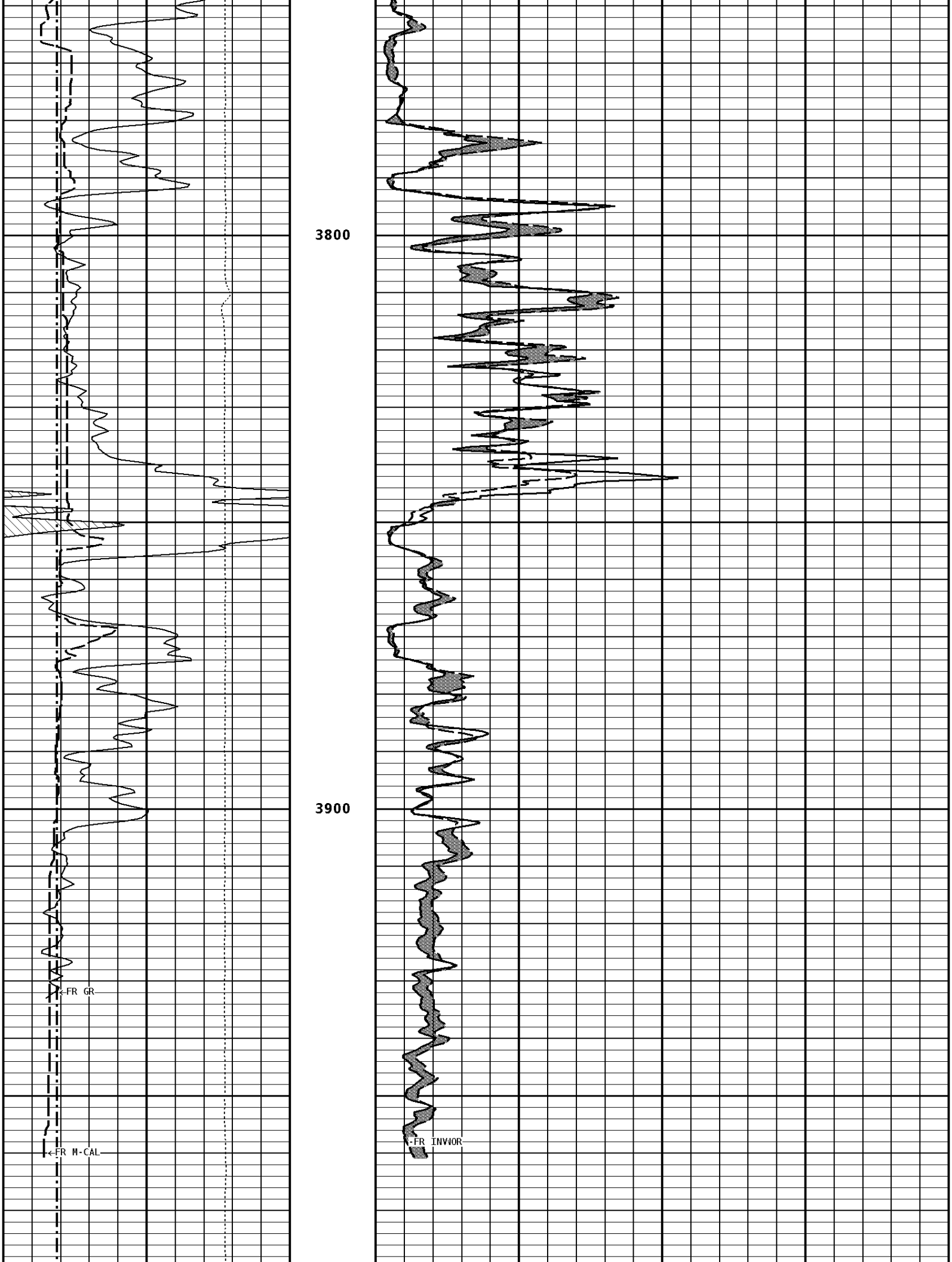
3700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3900
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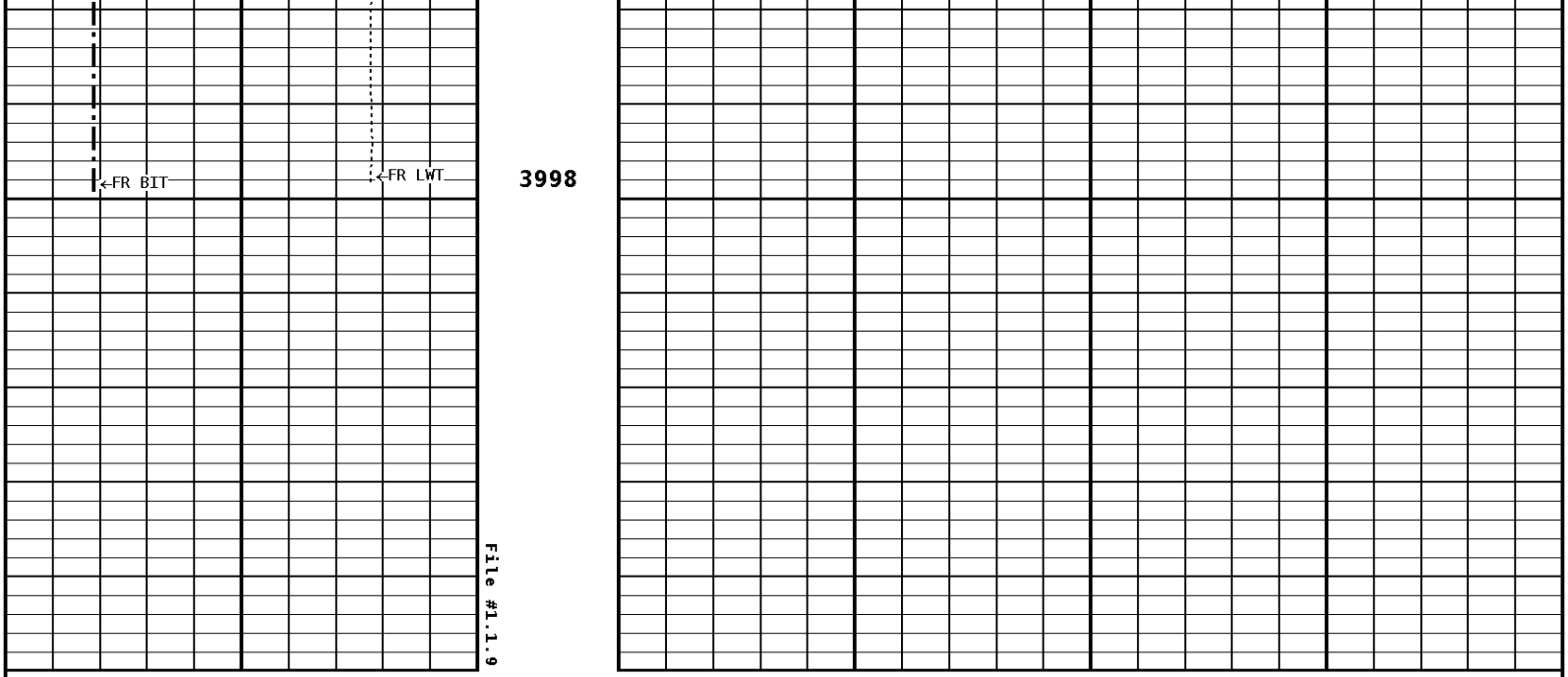
←FR M-CAL
←FR INVIOR



1:240 MAIN SECTION

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

GAMMA RAY
API UNITS
150 — 300
0 — 150

BIT SIZE
INCHES (IN)
6 — 16

TENSION
LBS
10000 — 0

MICRO-NORMAL
OHMM
0 — 40

MICRO-INVERSE
OHMM
0 — 40

Well File: and-mac-bon-1-quint-dip-oct-30
Segment: V1.D1.S6 RP
Reference: 0
Scale: 1:240
Acquired: 2012-10/30 13:00 3.2.0-11087
Processed: 2012-10/30 15:55 3.2.0-11087

TENSION
LBS
10000 — 0

BIT SIZE
INCHES (IN)
6 — 16

GAMMA RAY
API UNITS
150 — 300
0 — 150

CALIPER MICRO
INCHES (IN)
16 — 26

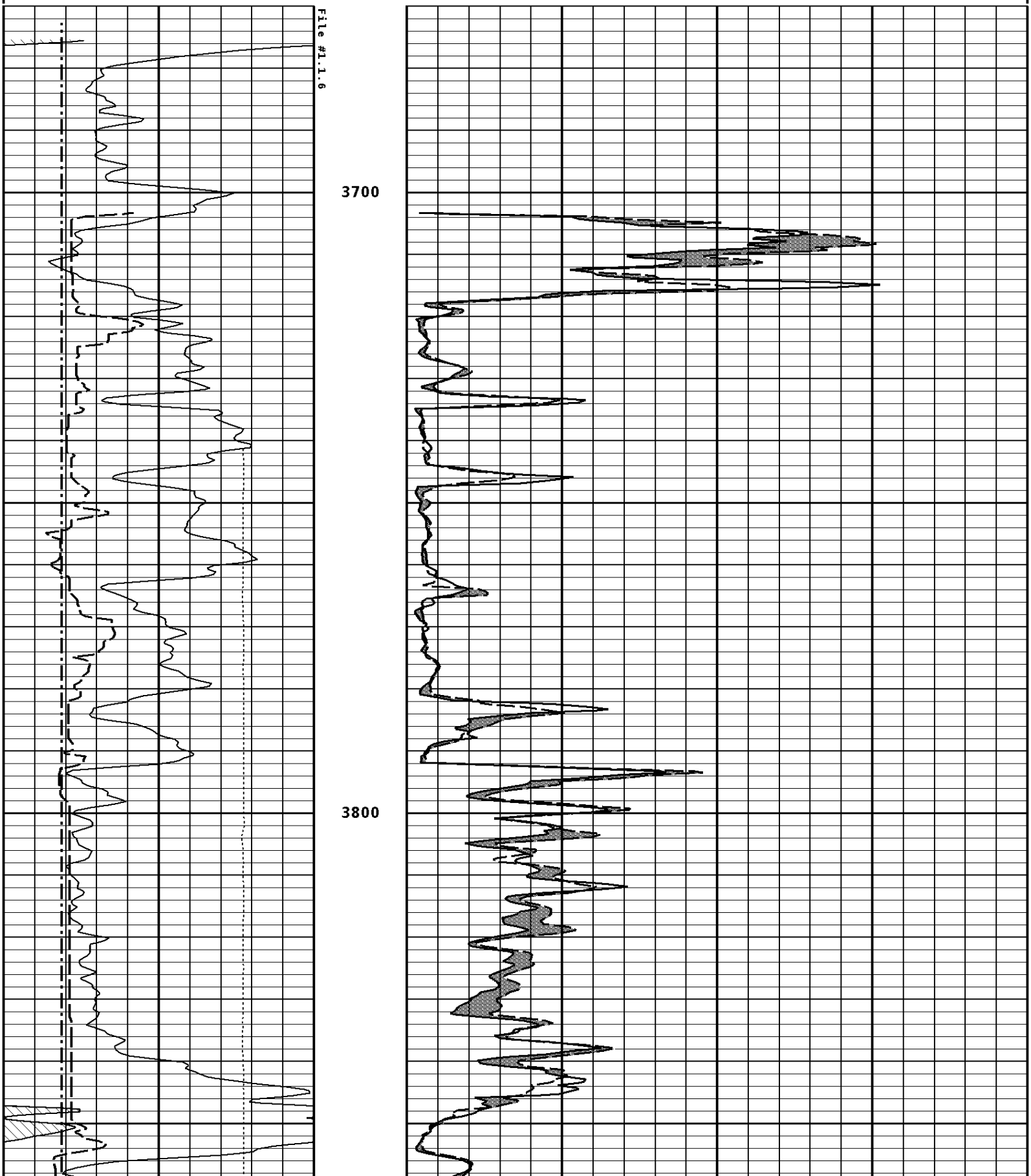
MICRO-INVERSE
OHMM
0 — 40

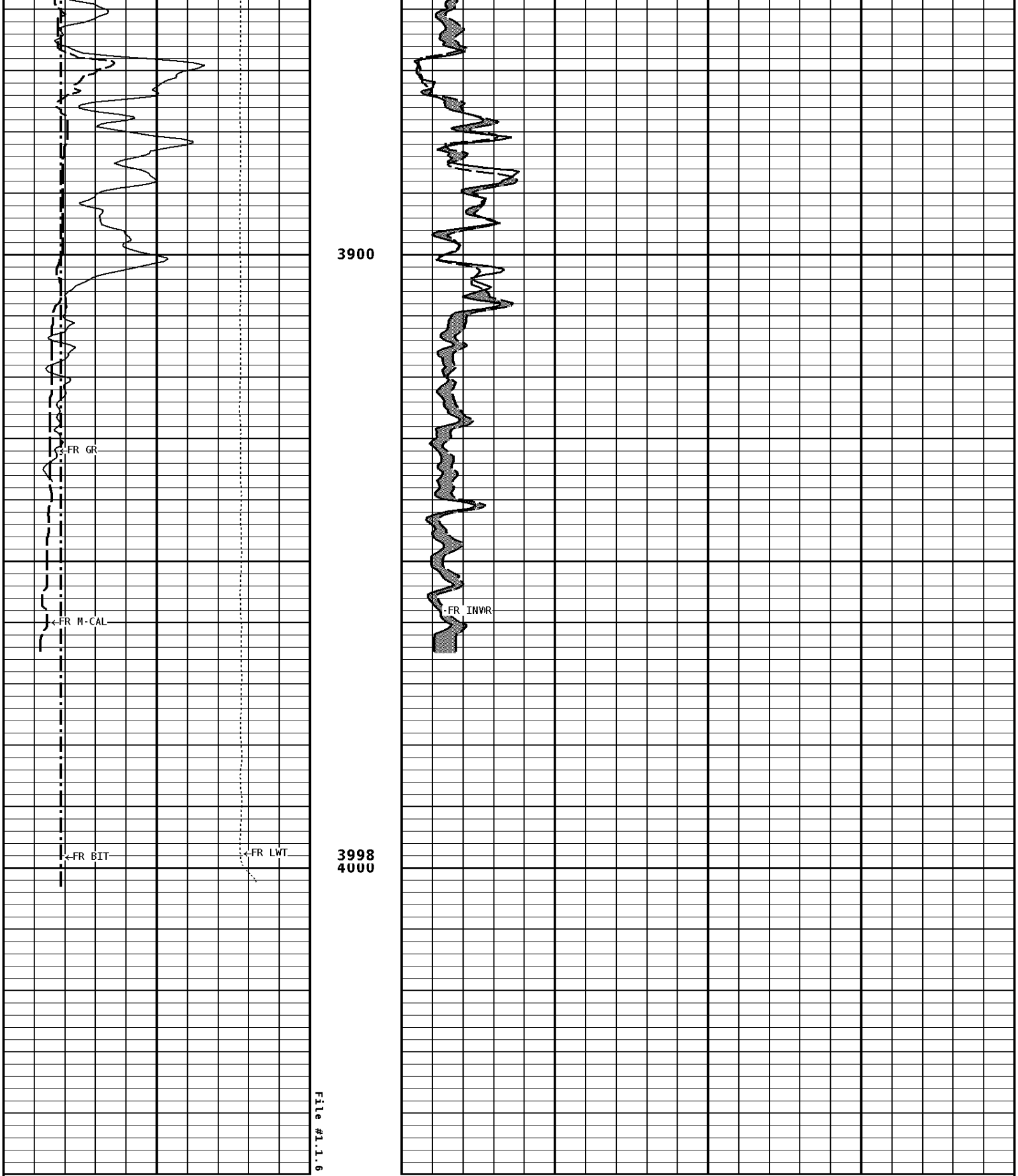
MICRO-NORMAL
OHMM

6 16

0 40

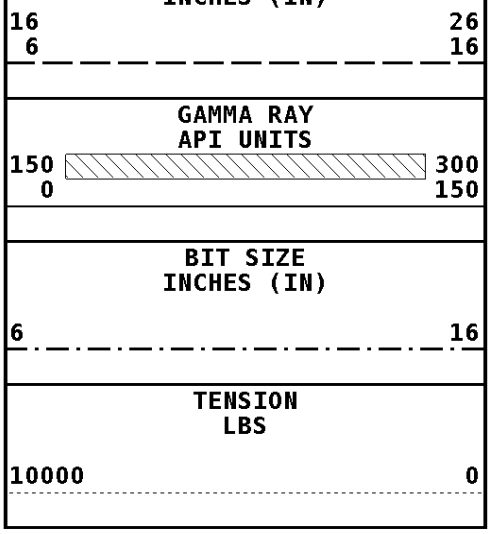
1:240 REPEAT SECTION

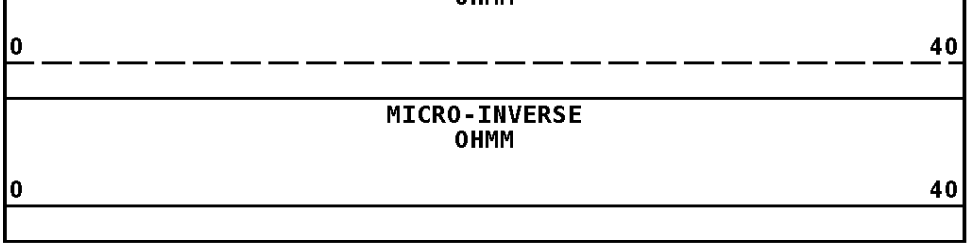




1:240 REPEAT SECTION

CALIPER MICRO INCHES (IN)		MICRO-NORMAL OHMM





* Calibration Summary *

Shop Calibration GRT-B

Performed : 23-Aug-2012 Time : 09:20
Sensor Suite : GR-GR5 ID : GRT-BA-14

	Measured Background	Measured Jig	Units	Calibrated Jig	Units
GR	52	368	CPS	175	GRAPI

Shop Calibration MST-DA

Performed : 01-Aug-2012 Time : 10:58
Sensor Suite : CALI-MSN ID : MST-DA-36

	Jig - Measured Ring#1	Jig - Measured Ring#2	Jig - Calibrated Ring#1	Jig - Calibrated Ring#2	Units
CL # 1	4.7	9.5	6.0	12.0	IN.

Performed : 19-APR-2012 Time : 09:18
Sensor Suite : MSTDA-NI ID : MST-DA-36

Internal

	Measured Zero	Measured Reference	Units	Calibrated Zero	Calibrated 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

Performed : 09-APR-2012 Time : 14:53
Sensor Suite : MSTDAMSF ID : MST-DA-36

Internal

	Measured Zero	Measured Reference	Units	Calibrated Zero	Calibrated Reference	Units
MSFC	150.0	58600.0		0.00	1522.00	UA
MSFB	32800.0	62500.0		0.00	1522.00	MA
MOM1	150.0	5950.0		0.00	1522.00	MV
MSFRA					43.30	OHMM