



Weatherford

MICRORESISTIVITY LOG

COMPANY

O'BRIEN ENERGY RESOURCES CORP.

WELL

VANDERPOOL #2-5

FIELD

UNNAMED

PROVINCE/COUNTY

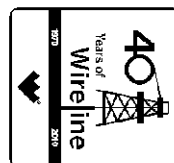
MEADE

COUNTRY/STATE

U.S.A. / KANSAS

LOCATION

2755' FSL & 1101' FWL



SEC

TWP
5
34SRGE
28WOther Services
MPD/MDN
MAI/MFE

API Number

15-119-21323

Permit Number

Permanent Datum G.L., Elevation 2360 feet

Log Measured From KB

Drilling Measured From K.B. @ 12 FEET

Date

05-AUG-2012

Elevations:
KB 2372.00
DF 2370.00
GL 2360.00

Run Number

ONE

Depth Driller

6400.00 feet

Depth Logger

6392.00 feet

First Reading

6359.00 feet

Last Reading

3000.00 feet

Casing Driller

1493.00 feet

Casing Logger

1488.00 feet

Bit Size

7.875

inches

Hole Fluid Type

CHEMICAL

Density / Viscosity

1.08 g/cc

68.00 CP
5.20 ml/30Min

PH / Fluid Loss

10.50

Sample Source

FLOWLINE

Rm @ Measured Temp

1.01 @102.0 ohm-m

Rmf @ Measured Temp

0.81 @102.0 ohm-m

Rmc @ Measured Temp

1.20 @102.0 ohm-m

Source Rmf / Rmc

CALC

Rm @ BHT

0.79 @131.0 ohm-m

Time Since Circulation

4 HOURS

Max Recorded Temp

131.00 deg F

Equipment Name

COMPACT

Equipment / Base

13057

LIB

Recorded By

R. HOFFMAN

Witnessed By

AUSTIN GARNER

ROGER PEARSON

S.O. # / JOB #

3534569

LB12-203

BOREHOLE RECORD

Last Edited: 05-AUG-2012 20:49

Bit Size inches	Depth From feet	Depth To feet
7.875	1488.00	6392.00

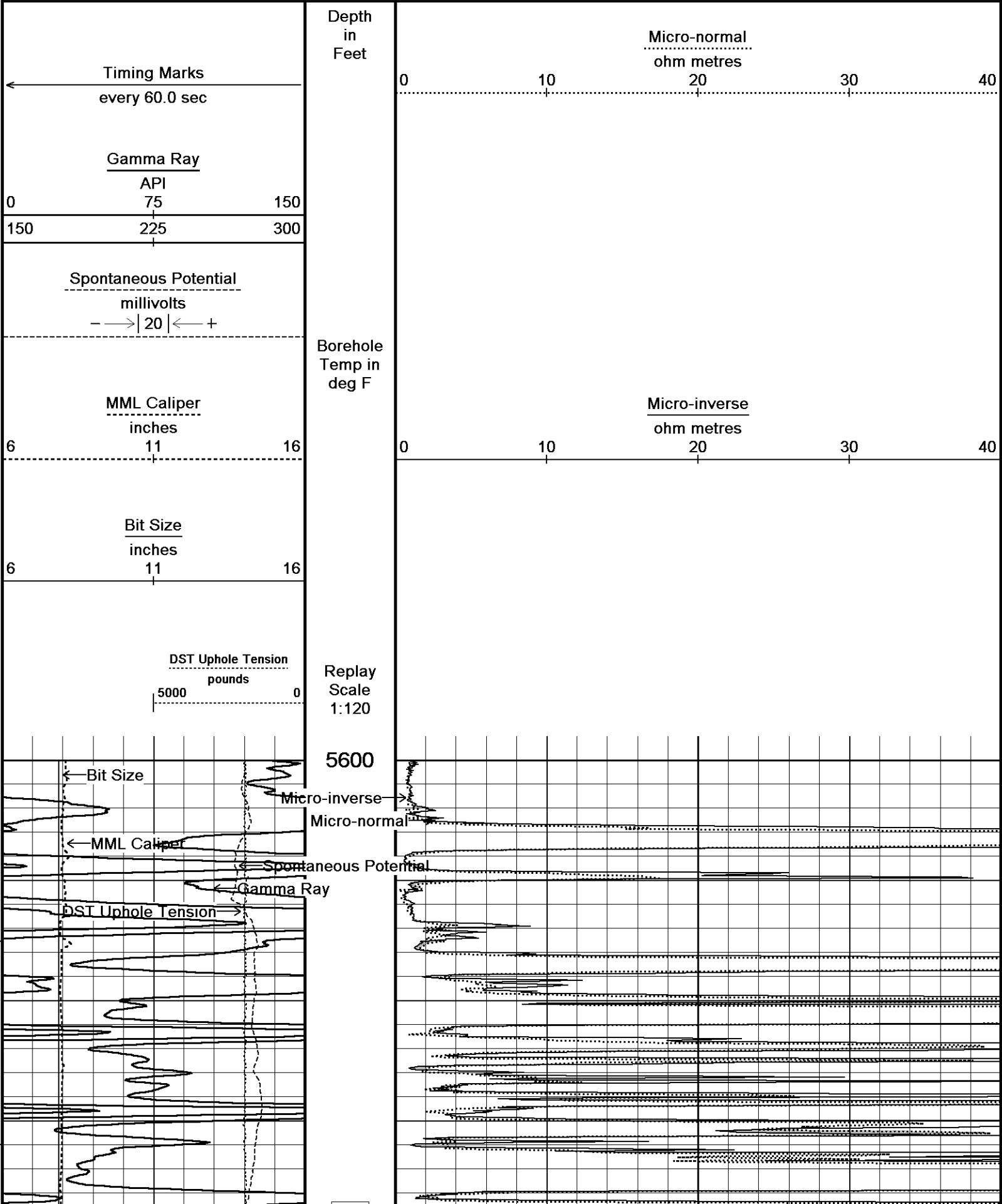
CASING RECORD

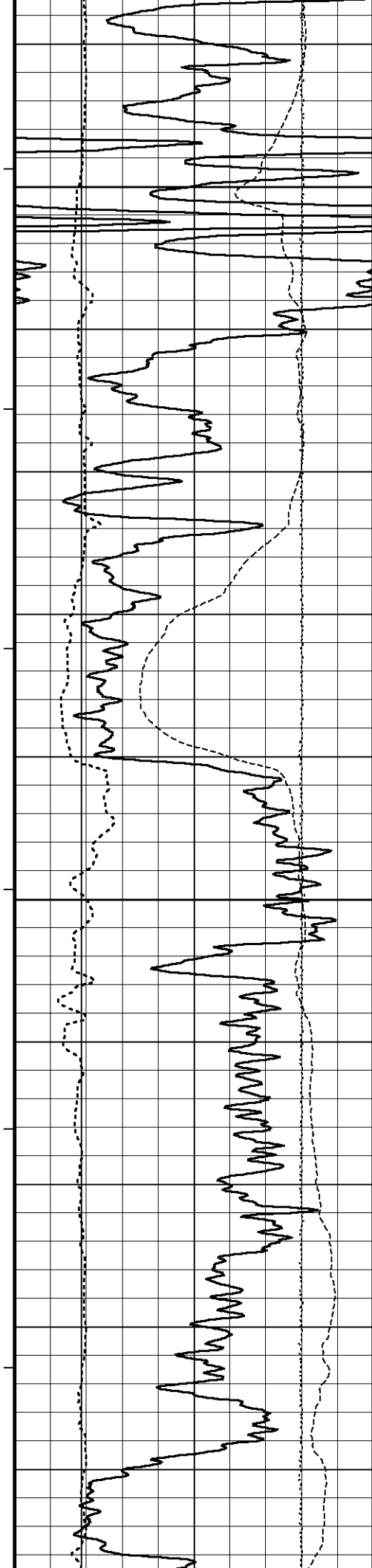
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	1488.00	24.00

REMARKS

Tools Ran: MCG, MML, MDN, MPD, MFE, MAI.
Hardware Used: MDN Dual Eccentralizer used. MPD 8 inch profile plate used. MFE and MAI 0.5 inch standoffs used.
2.71 g/cc Limestone Density Matrix used to calculate porosity.
All intervals logged and scaled per customer's request.
Tight pulls, washouts and borehole rugosity will affect data quality.
Total hole volume from TD to Surface casing = 1951 cu. ft.
Annular volume with 4.5 inch production casing TD to 3000ft = 399 cu. ft.
Service order: #3534569
Rig: Duke Drilling Rig #6
Engineer: R. Hoffman
Operator(s): B. Reeves

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions in our price schedule.





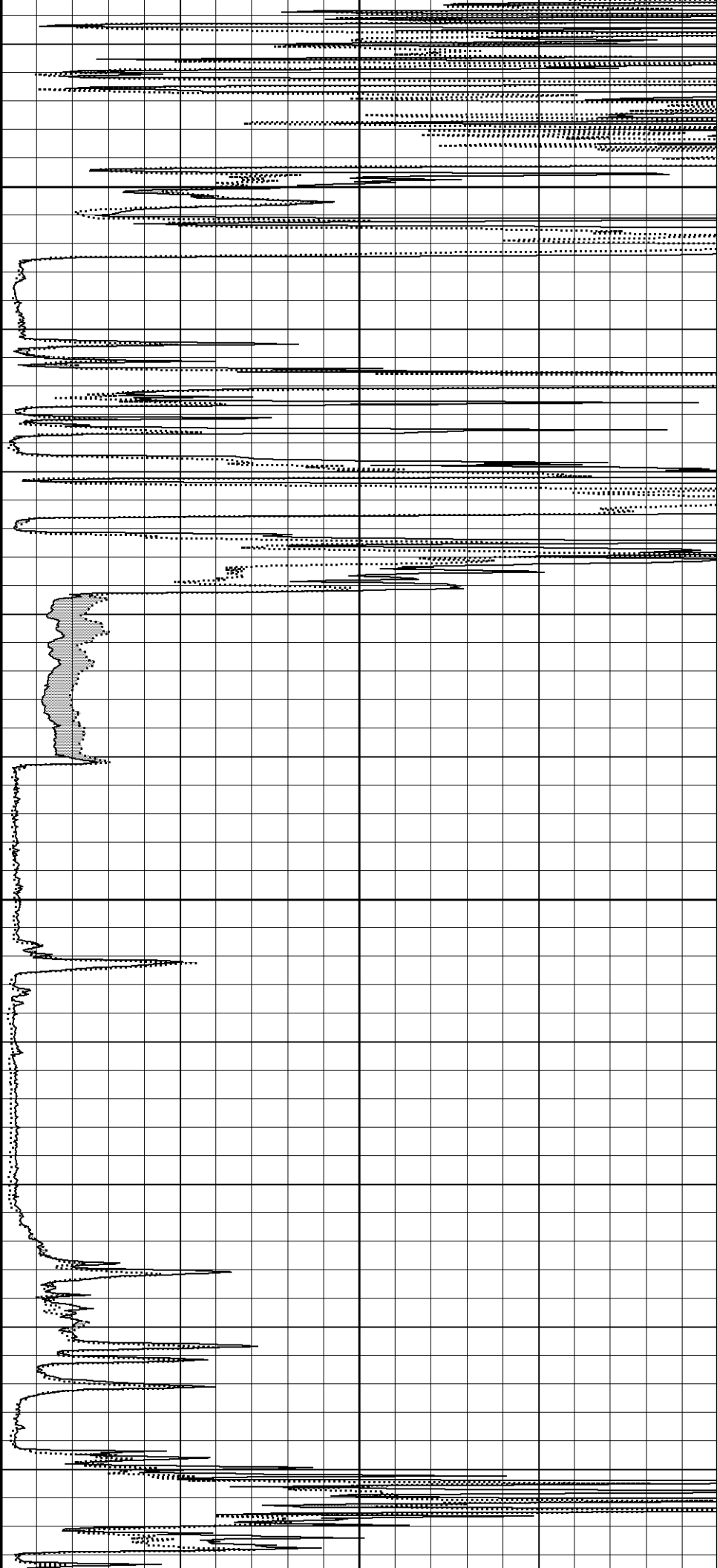
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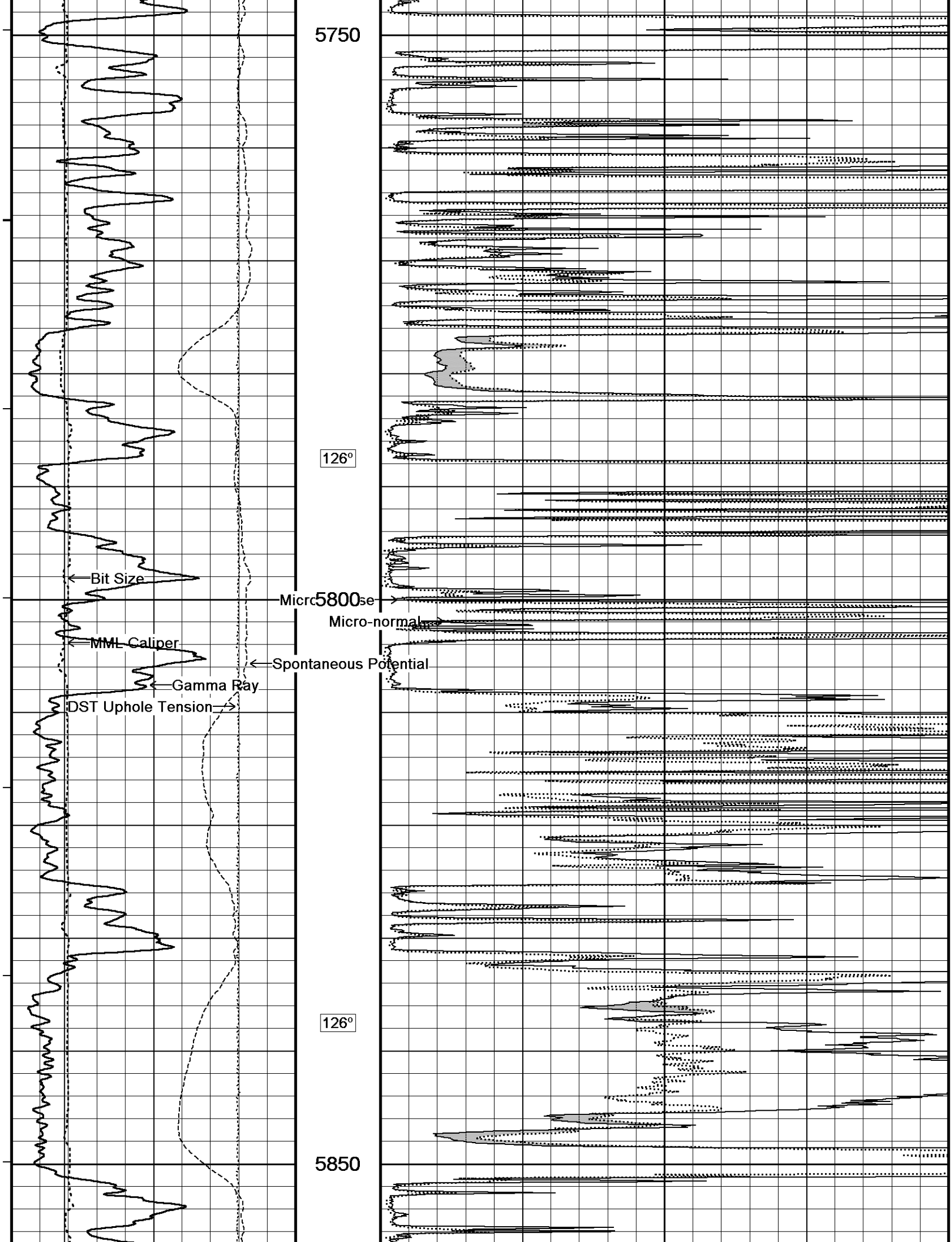
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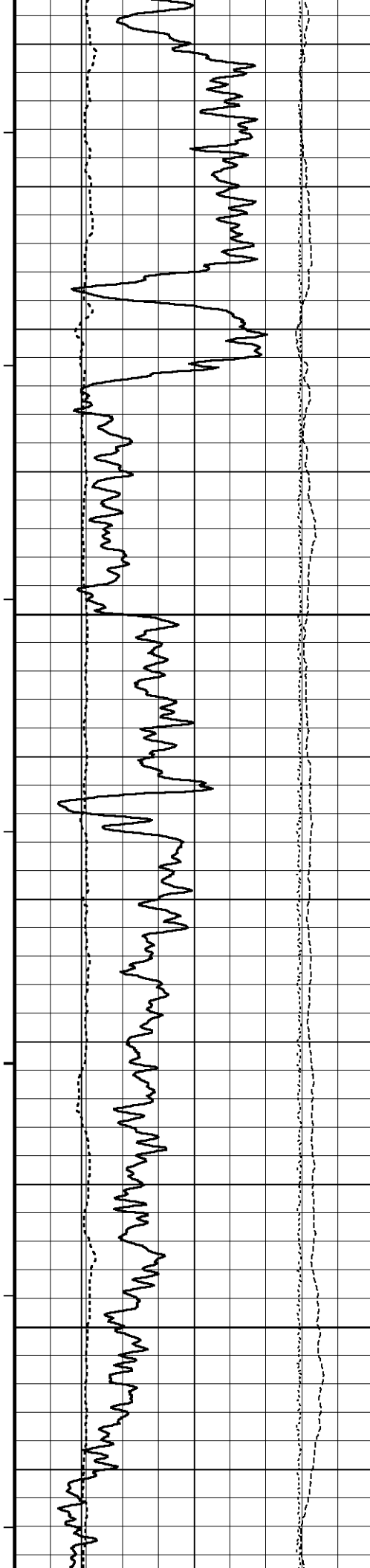
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5700

125°





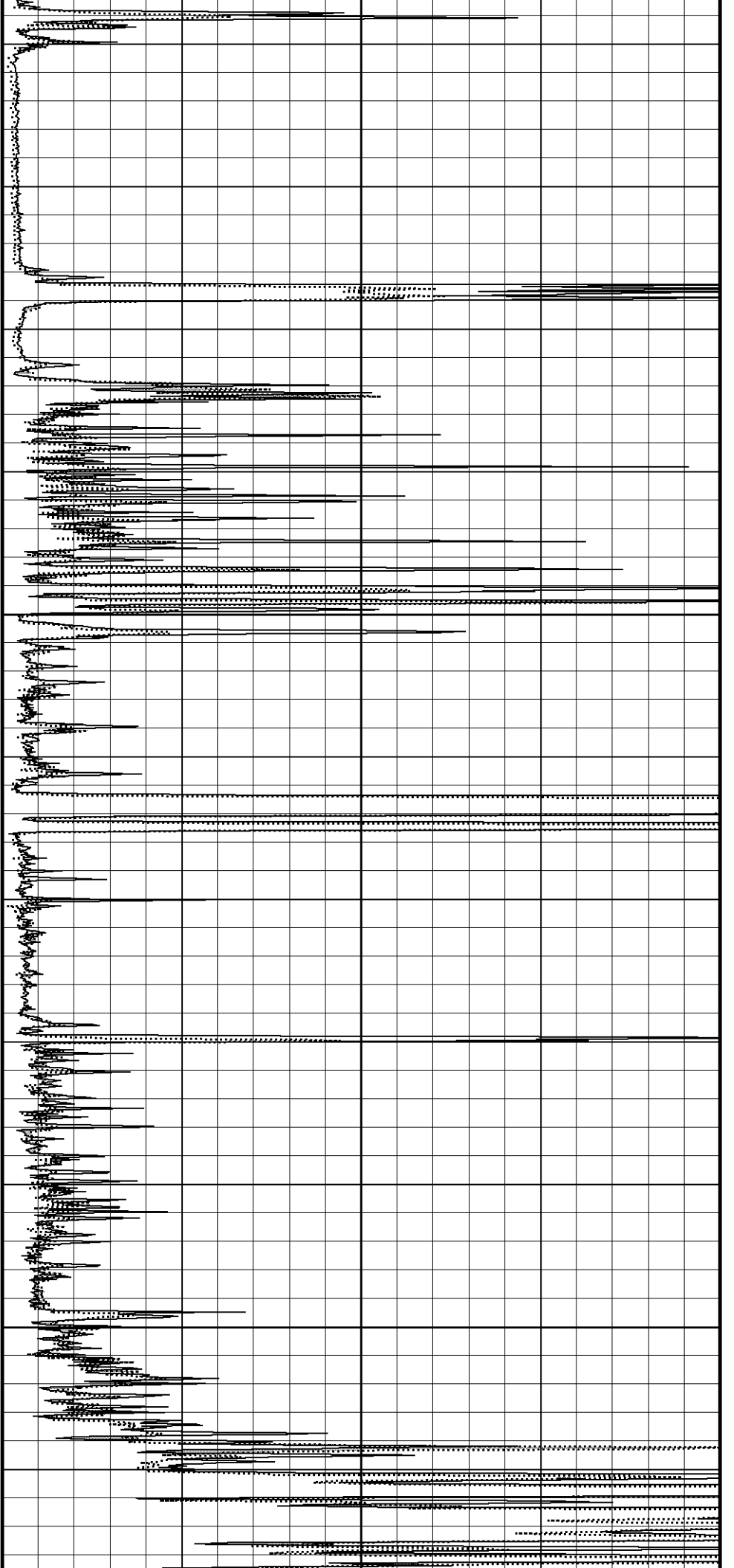


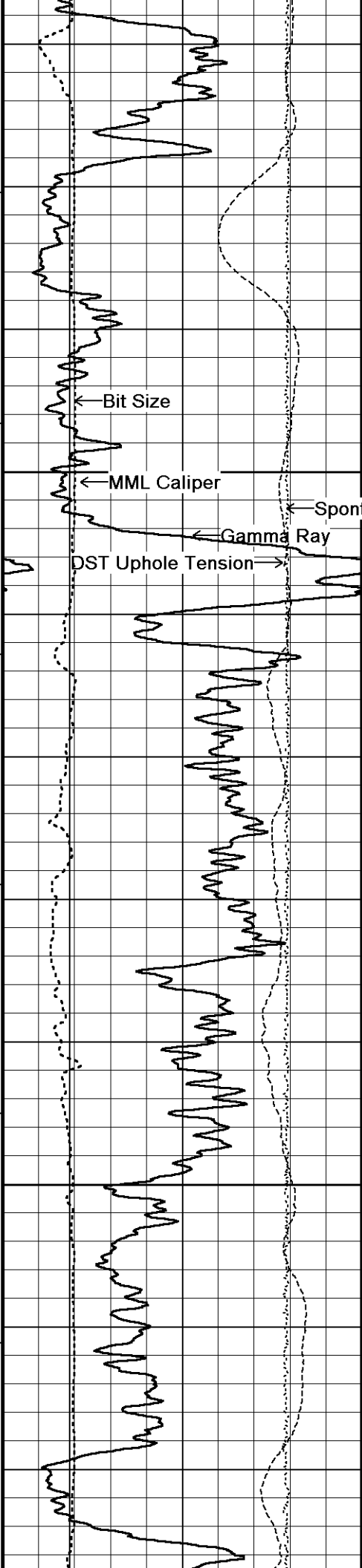
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5900

127°

5950



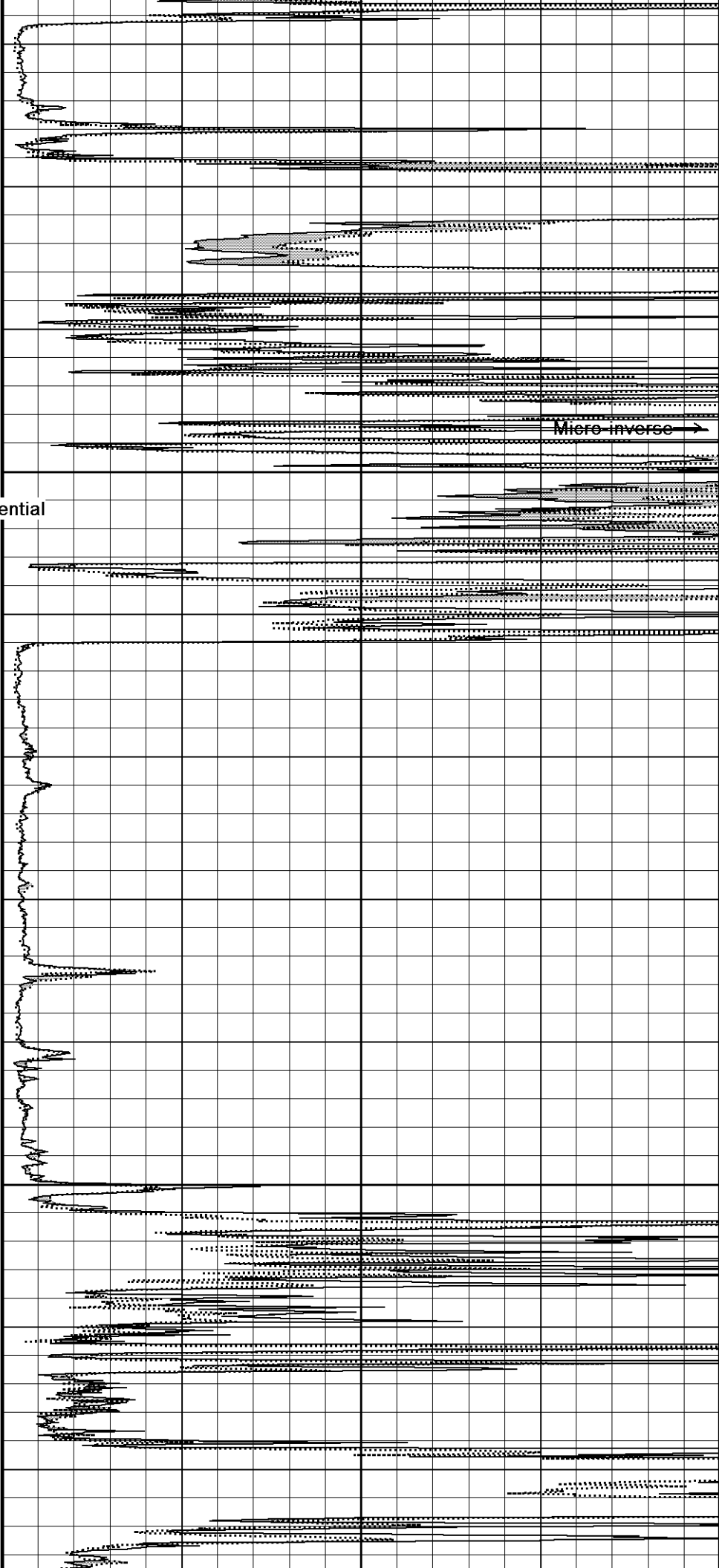


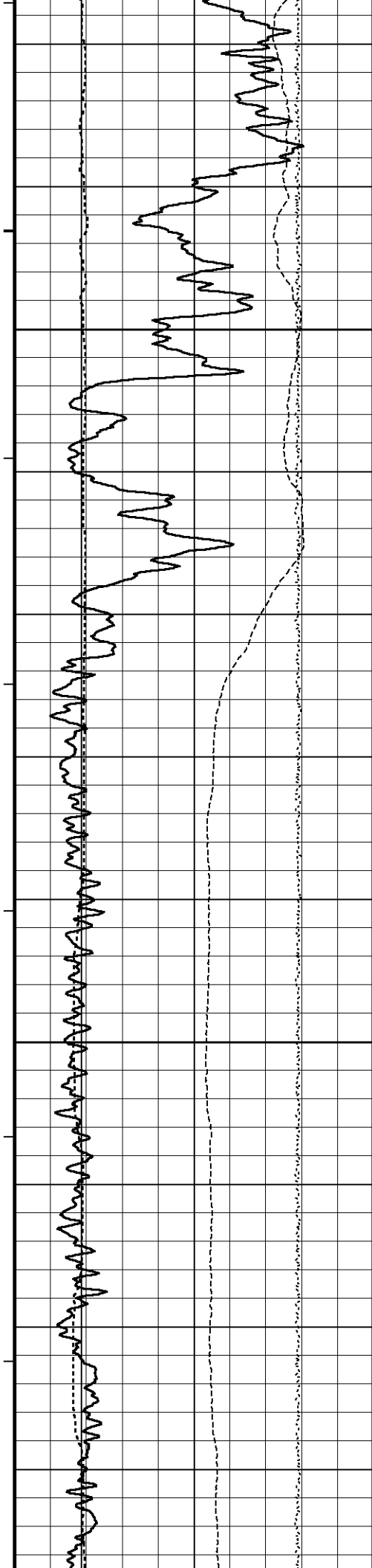
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6000

127°

6050



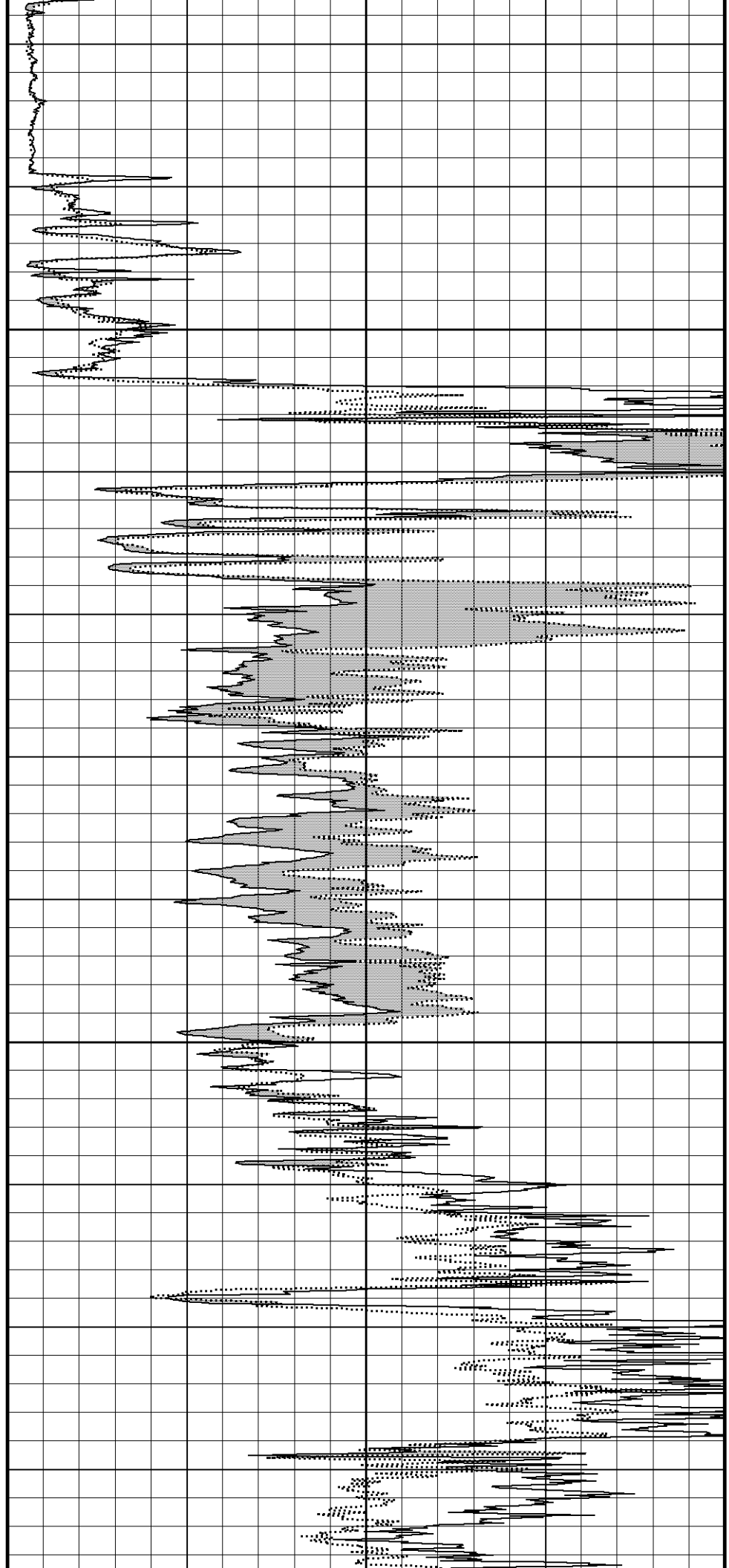


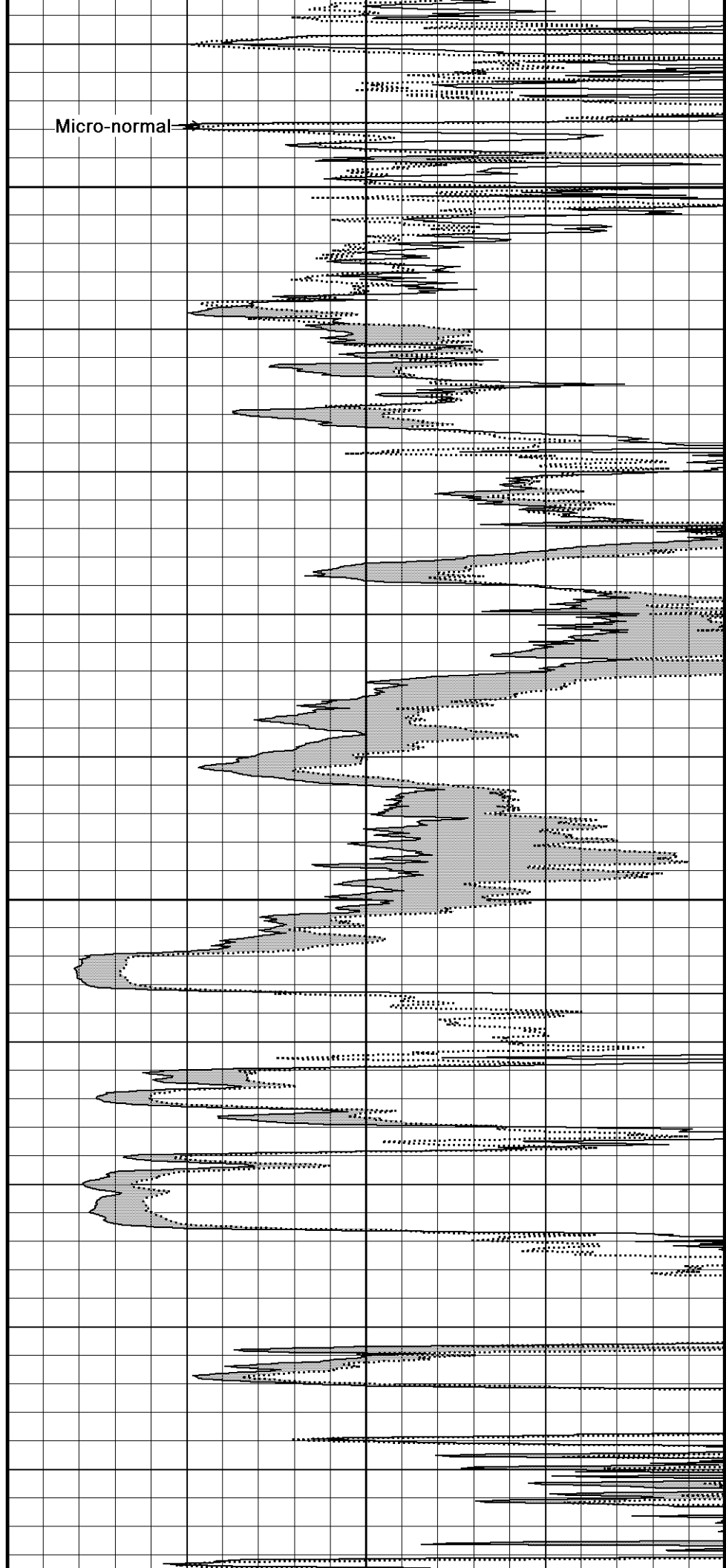
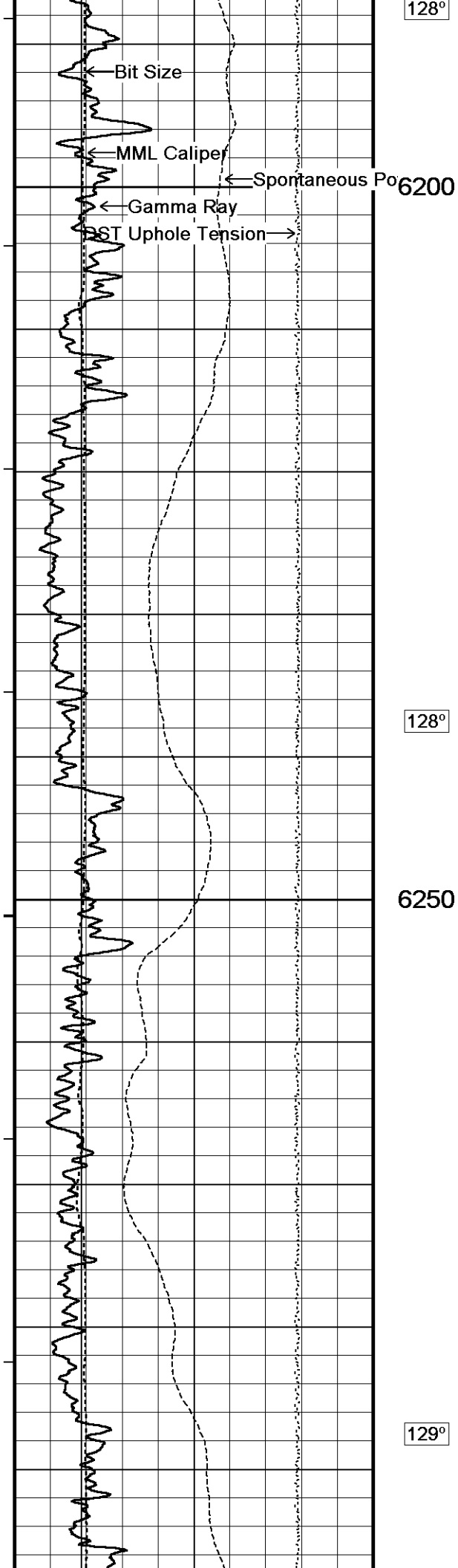
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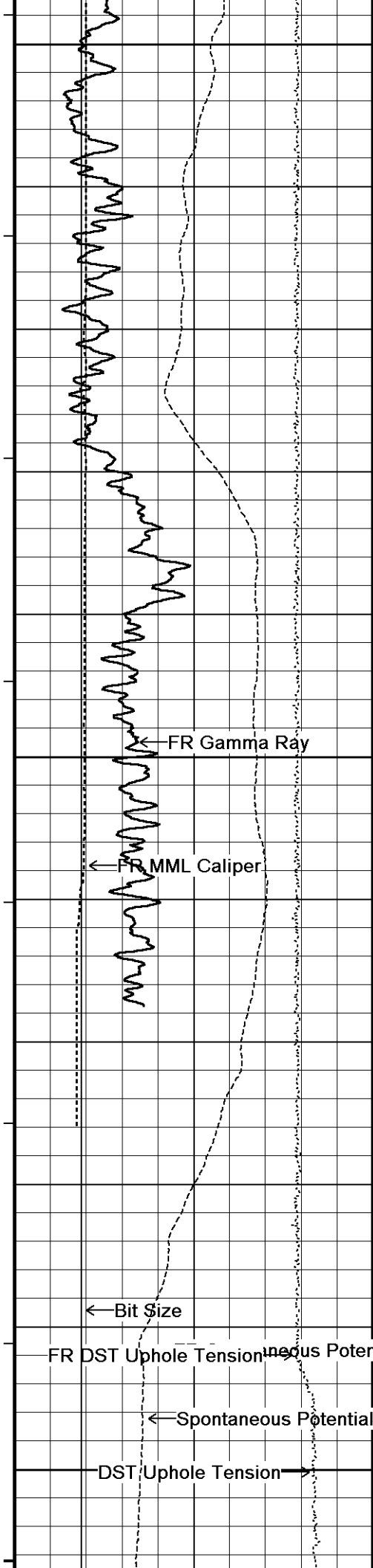
6100

128°

6150





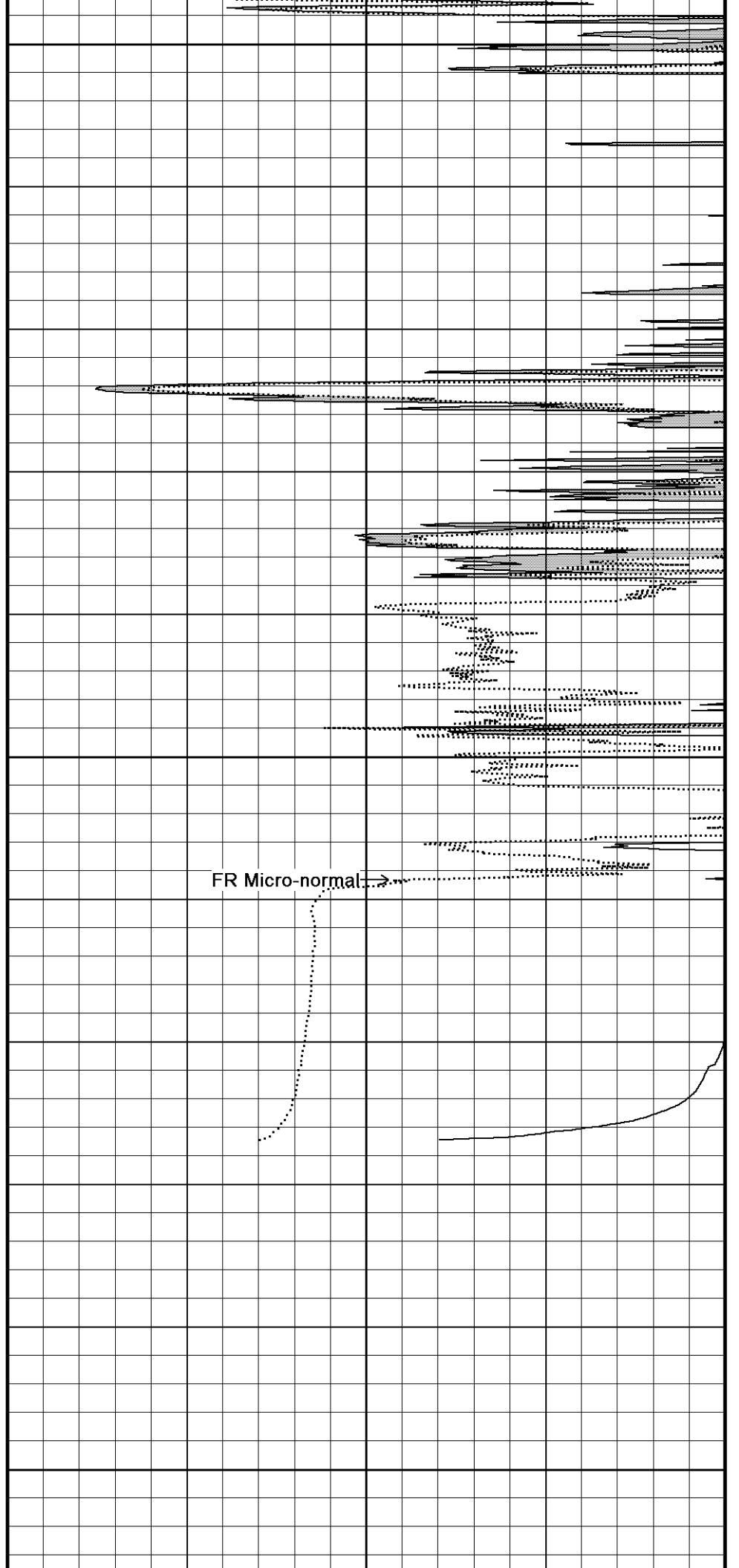


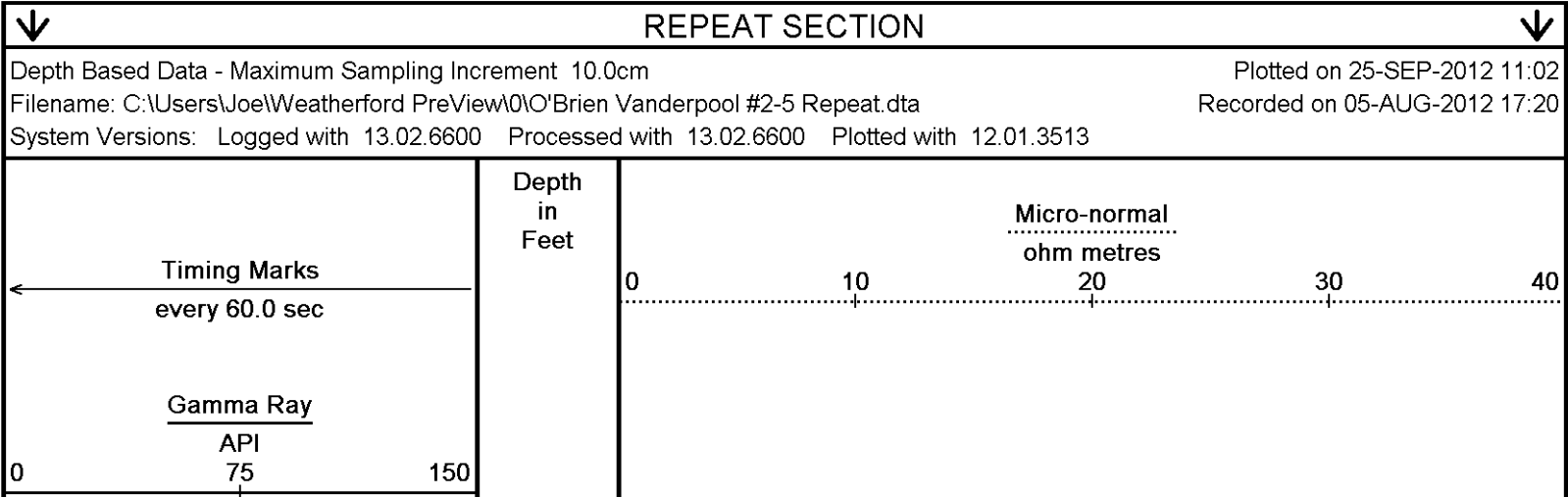
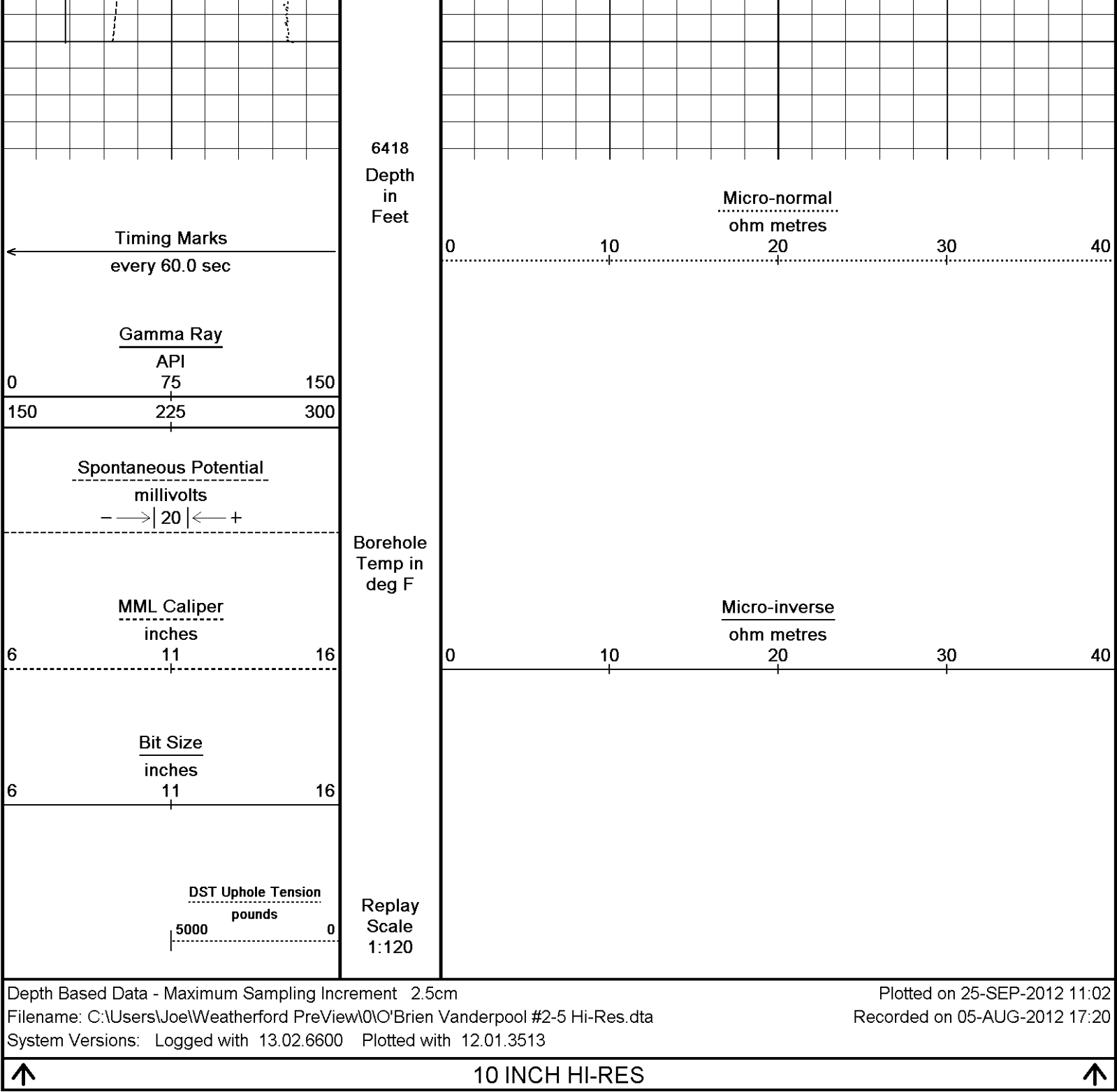
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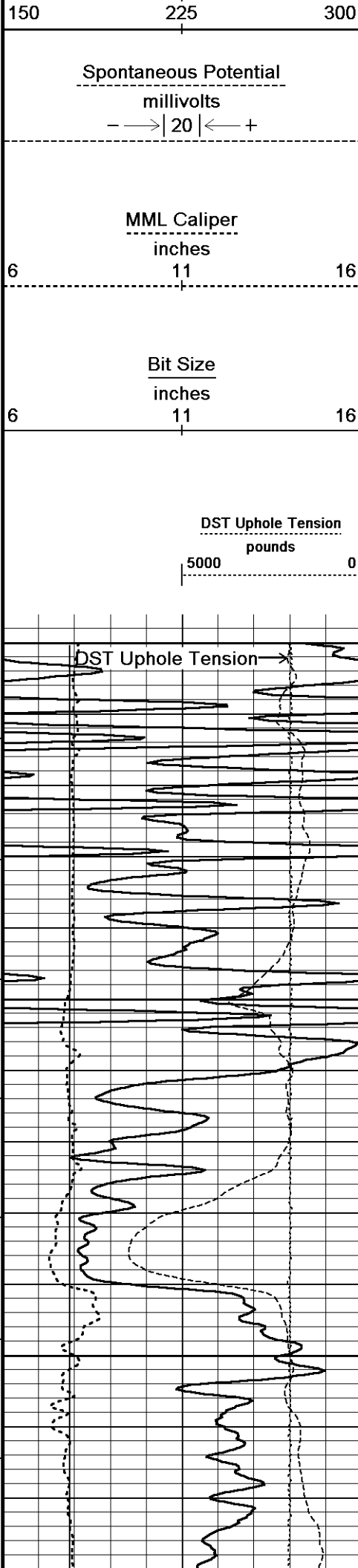
129°

6350

6400







Borehole
Temp in
deg F

Replay
Scale
1:240

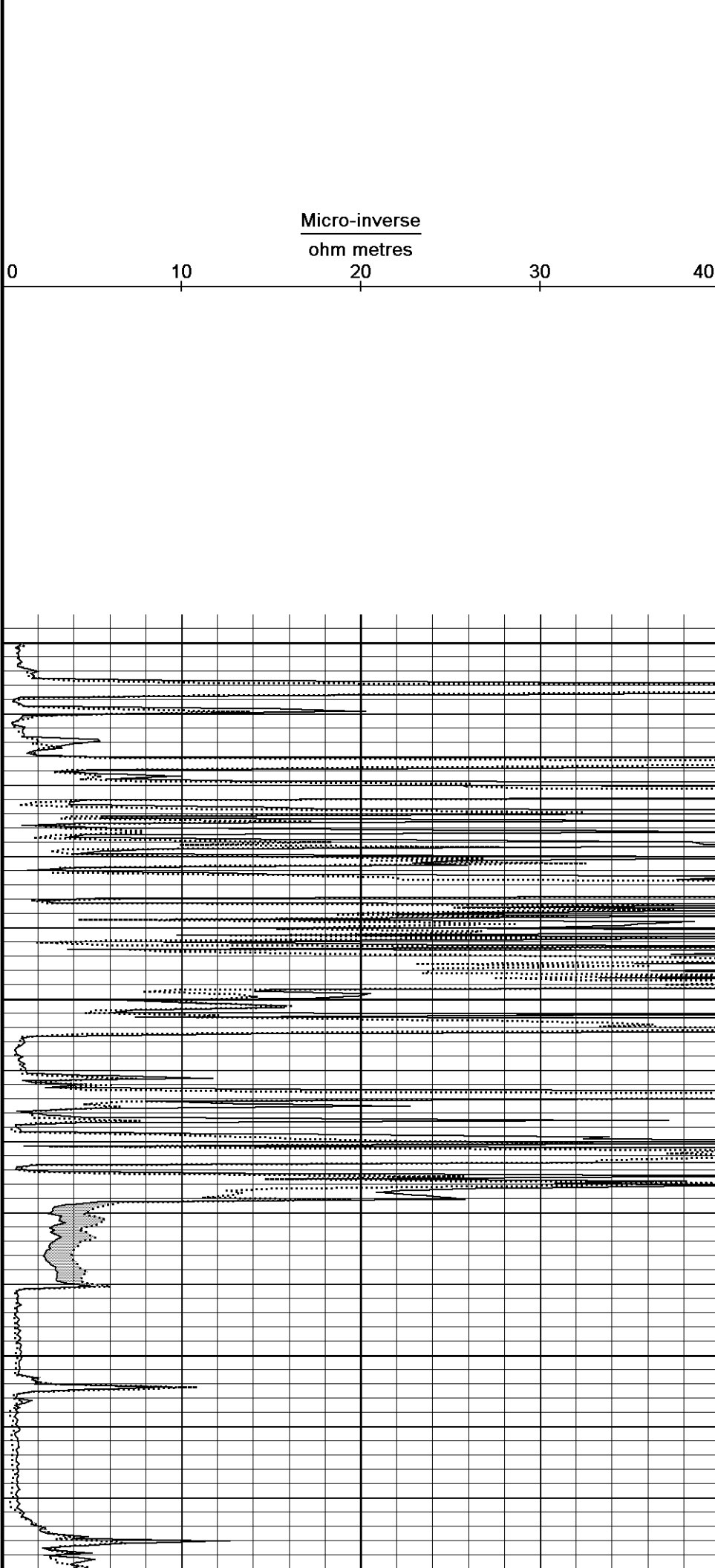
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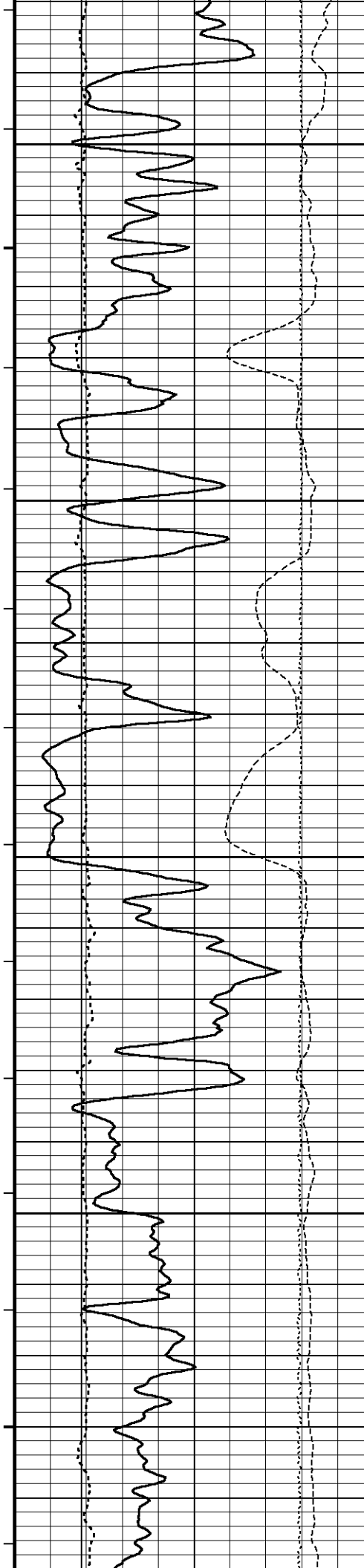
125°

5650

125°

5700





125°

5750

126°

5800

126°

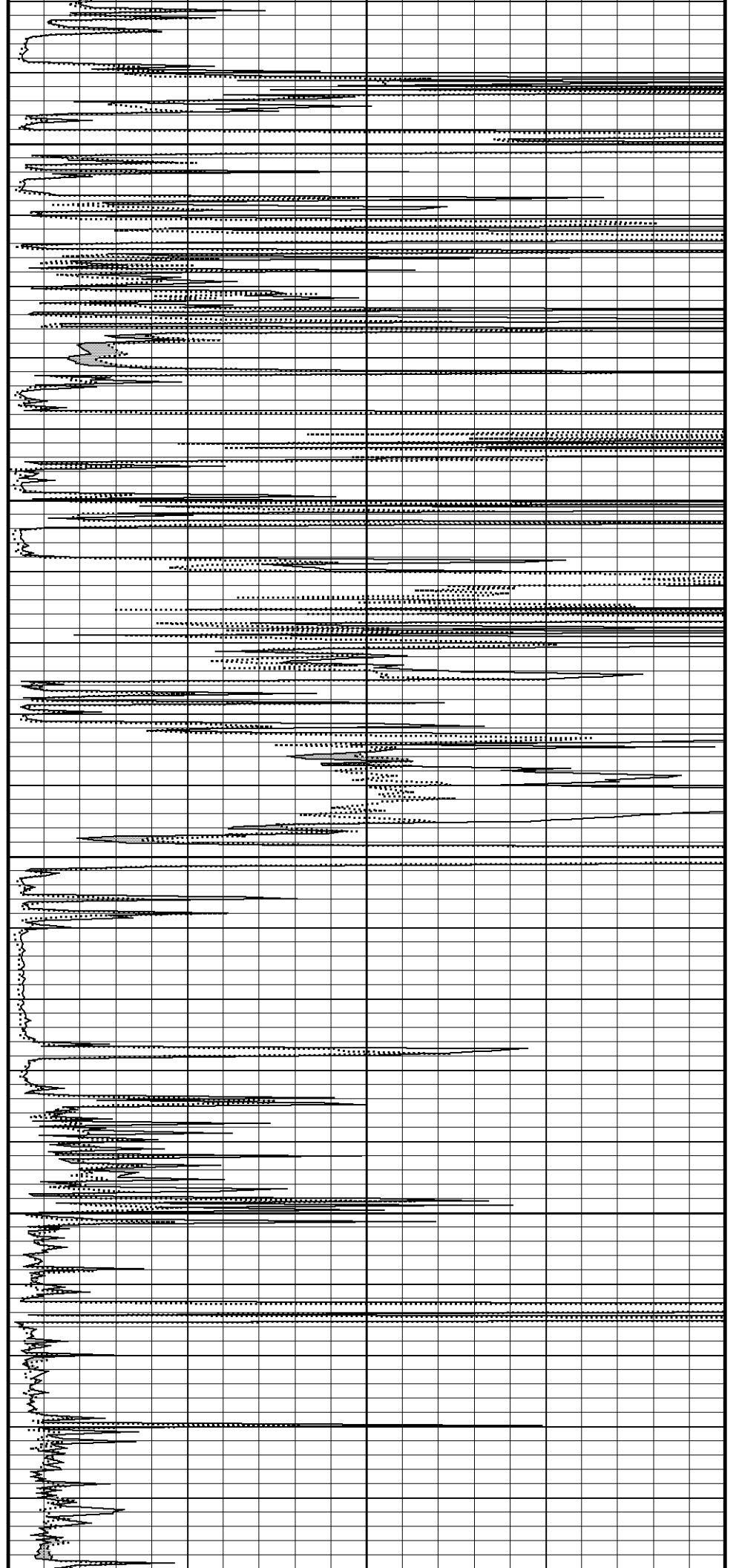
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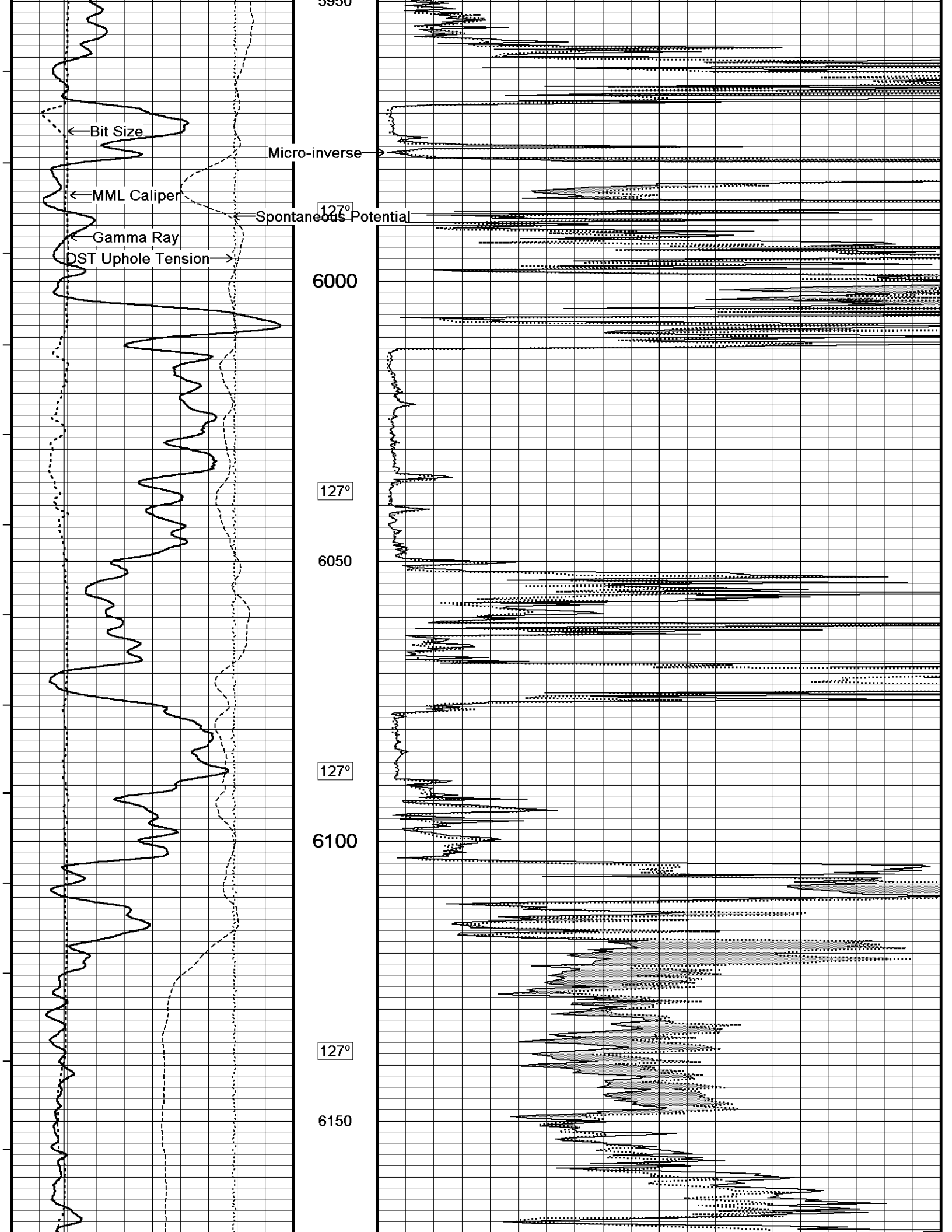
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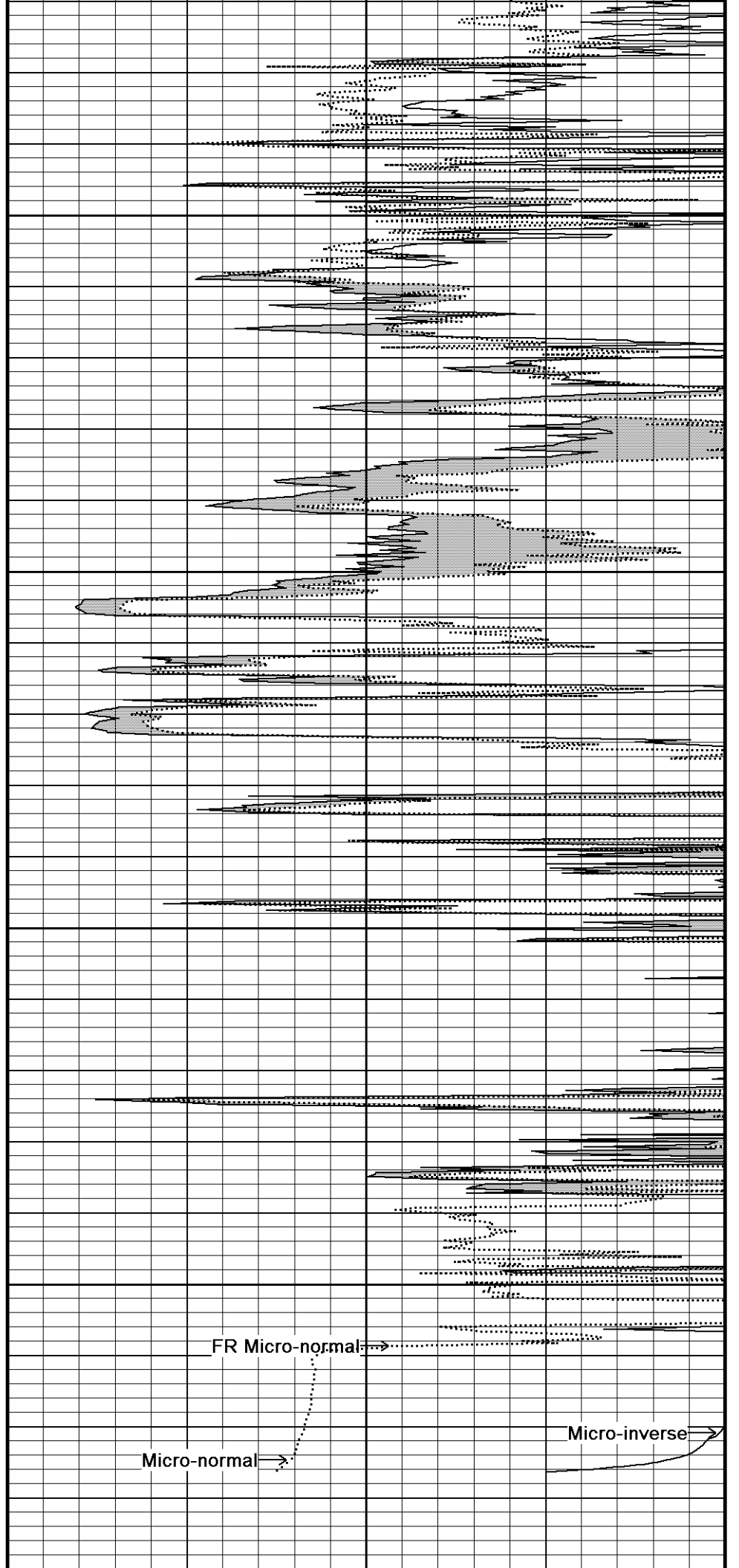
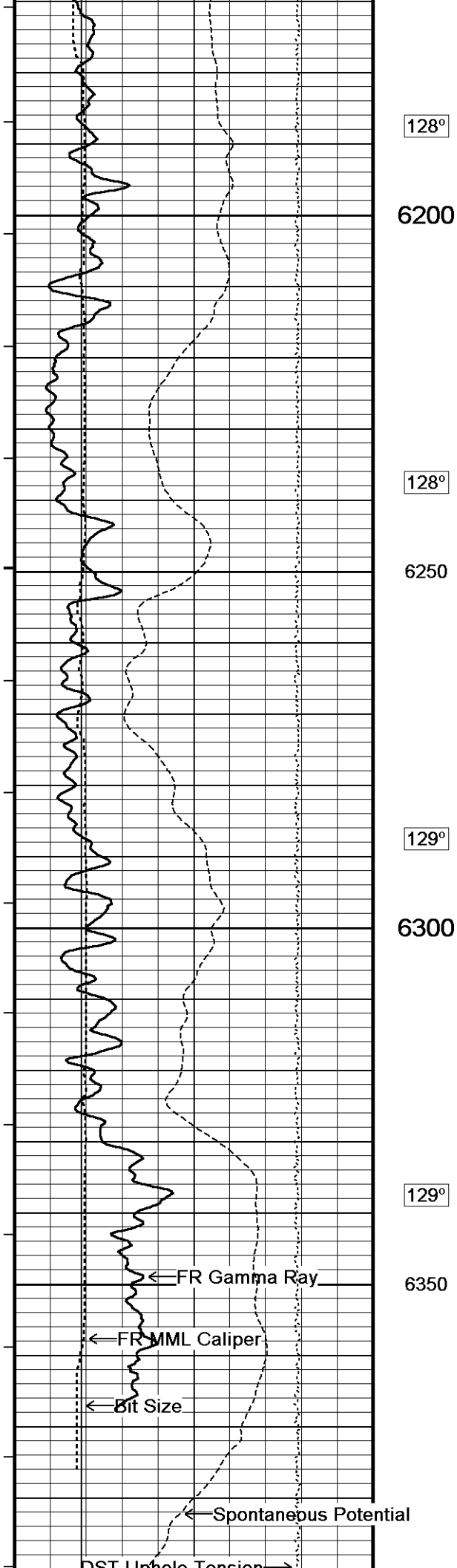
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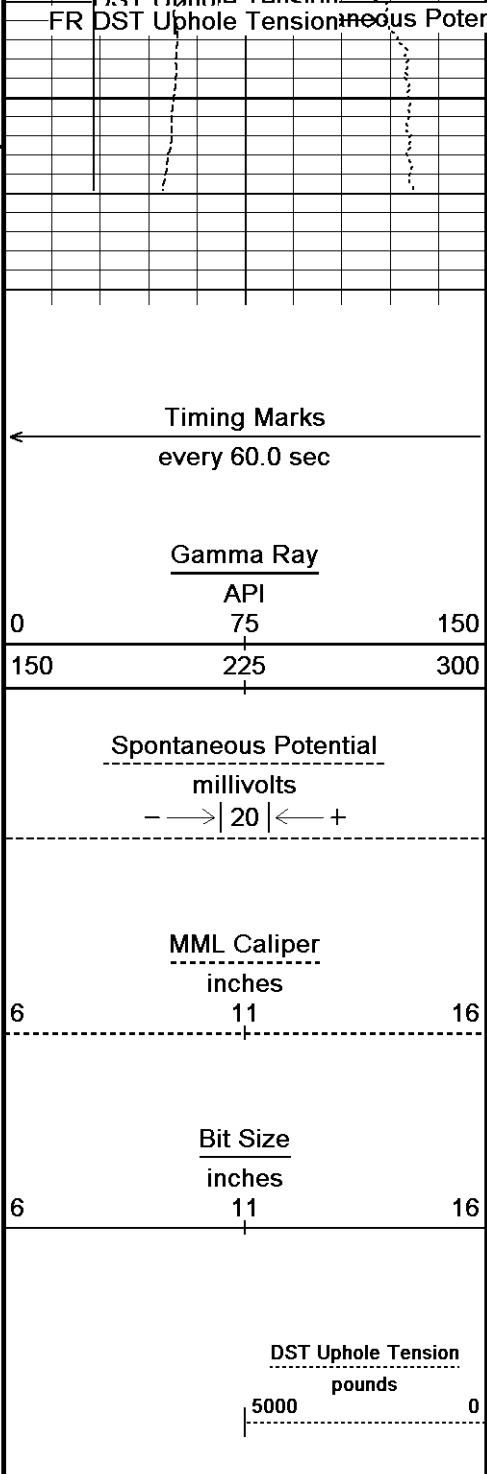
127°

5950









Borehole
Temp in
deg F

Replay
Scale
1:240

