



Weatherford

**CML MESSENGER SHUTTLE
ARRAY INDUCTION**

COMPANY				SANDRIDGE ENERGY			
WELL				COACH 2925 1-26H			
FIELD				MINELOA			
PROVINCE/COUNTY				FORD			
COUNTRY/STATE				U.S.A. / KANSAS			
LOCATION				220' FSL & 505' FEL			
SEC	TWP	RGE	Other Services				
26	29S	25W	CMI				
API Number		15-057-20866		MDNMMPD			
Permit Number							
Permanent Datum G.L., Elevation 2588 feet					Elevations:		
Log Measured From KB					KB 2608.00		
Drilling Measured From K.B. @ 20 FEET					DF 2608.00		
					GL 2588.00		
Date	16-JAN-2013						
Run Number	ONE						
Service Order	3539529						
Depth Driller	9790.00			feet			
Depth Logger	9790.00			feet			
First Reading	9760.00			feet			
Last Reading	5849.00			feet			
Casing Driller	5849.00			feet			
Casing Logger	5849.00			inches			
Bit Size	6.125						
Hole Fluid Type	WBM			lb/USg			
Density / Viscosity	8.60		lb/USg	30.00		CP	
PH / Fluid Loss	9.00		9.00				
Sample Source				FLOWLINE			
Rm @ Measured Temp	0.86 @ 62.0			ohm-m			
Rmf @ Measured Temp	0.69 @ 62.0			ohm-m			
Rmc @ Measured Temp	1.03 @ 62.0			ohm-m			
Source Rmf / Rmc	CALC			CALC			
Rm @ BHT	0.41 @131.0			ohm-m			
Time Since Circulation	1 HOUR						
Max Recorded Temp	131.00			deg F			
Equipment / Base	18077			OKC			
Recorded By	STEVEN TOTTEY						
Witnessed By	JARRET BORELL						
APE	DC 12518						

BOREHOLE RECORD					Last Edited: 16-JAN-2013 20:01
Bit Size inches		Depth From feet		Depth To feet	
8.750		0.00		5849.00	
6.125		5849.00		9790.00	
CASING RECORD					
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft	
INTER	7.000	0.00	5849.00	23.00	

REMARKS
LOGGED WITH WLS 13.04.8492
LOGGED USING MESSENGER SHUTTLE METHOD OF DEPLOYMENT
TOOLS RAN: SRT-69,,200V MBS-114,MMSE133,MTI-076, MGS-142,MCL-063,SKJ-472,SHA-438,MIS-608, MDN-391, MPD-394,MIS-607, SHA-167, SKJ-479,MISB-595,MIM 228, MIE-209,MISB-337, MAI-170 RAN IN COMBINATION
HARDWARE: MAI: MIS-B 0.5" STANDOFF USED ABOVE MAI, ISA STAND-OFF RAN BELOW MAI
MFE: MIS-B 0.5" STANDOFF USED ABOVE MFE
MDN: MIS-A DOUBLE BOWSPRING USED ABOVE MDN.
MPD: 4INCH PROFILE PLATE USED, MIS-A SINGLE BOWSPRING USED BELOW MPD
2.71 G/CC DENSITY MATRIX USED TO CALCULATE POROSITY
ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST
DRILL PIPE DEPTH DURING DEPLOYMENT: 9667

DRILL FILE DEPTH BORING DEPTHMENT: 9766
LOGGING TOOL DEPTH AFTER DEPLOYMENT: 9766

OPERATORS: S. WORLEY AND M. SLOBODKIN

RIG: Lariat #3

LOG RESPONSES EFFECTED BY HOLE RUGOSITY

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.

↓

2 INCH MAIN LOG

↓

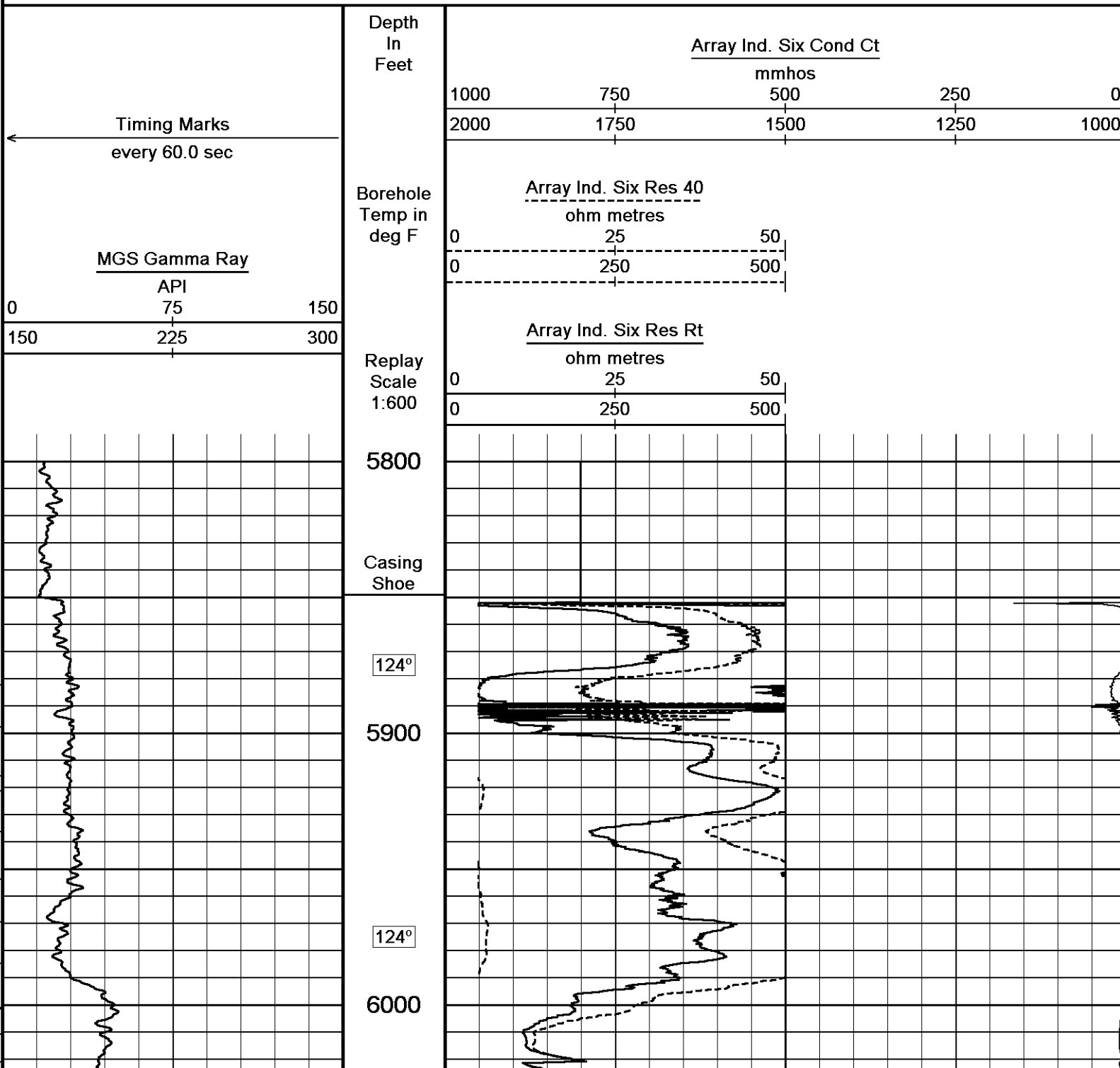
Depth Based Data - Maximum Sampling Increment 10.0cm

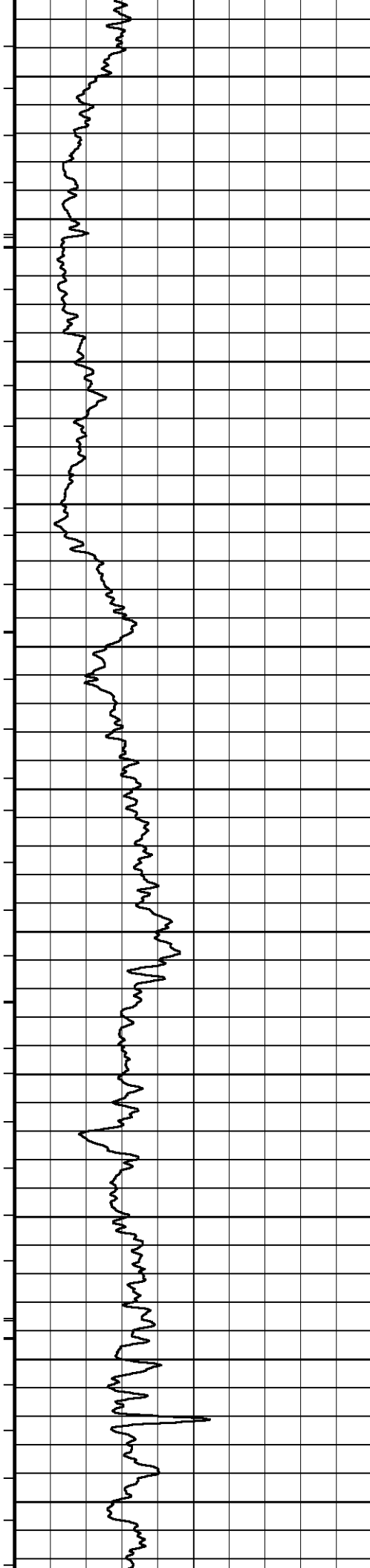
Plotted on 17-JAN-2013 20:32

Filename: C:\DATA_13_04_8492\SANDRIDGE ...\SANDRIDGE COACH 2925 1-26H RTAP DEPTH.dta

Recorded on 17-JAN-2013 19:27

System Versions: Processed with 13.04.8492 Plotted with 13.04.8492





124°

6100

124°

6200

125°

6300

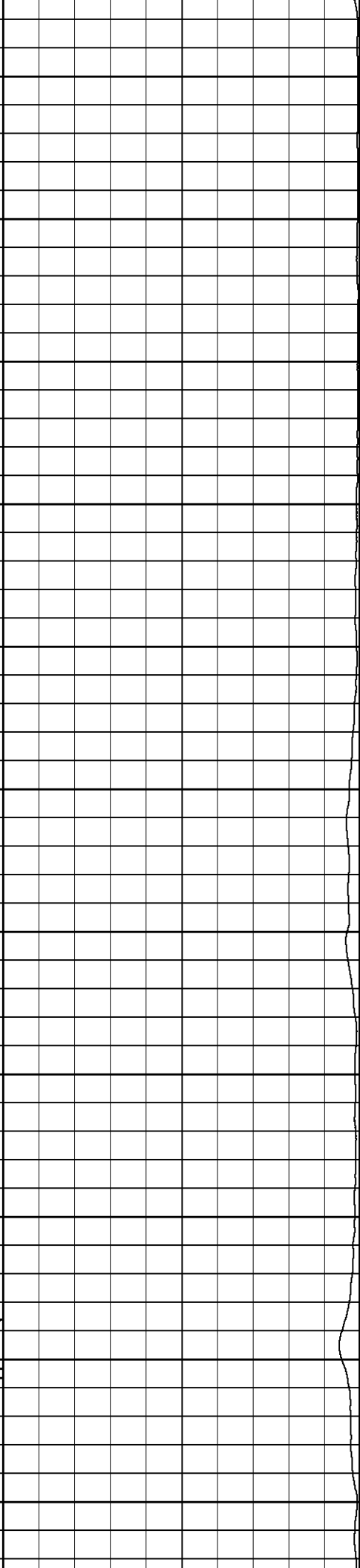
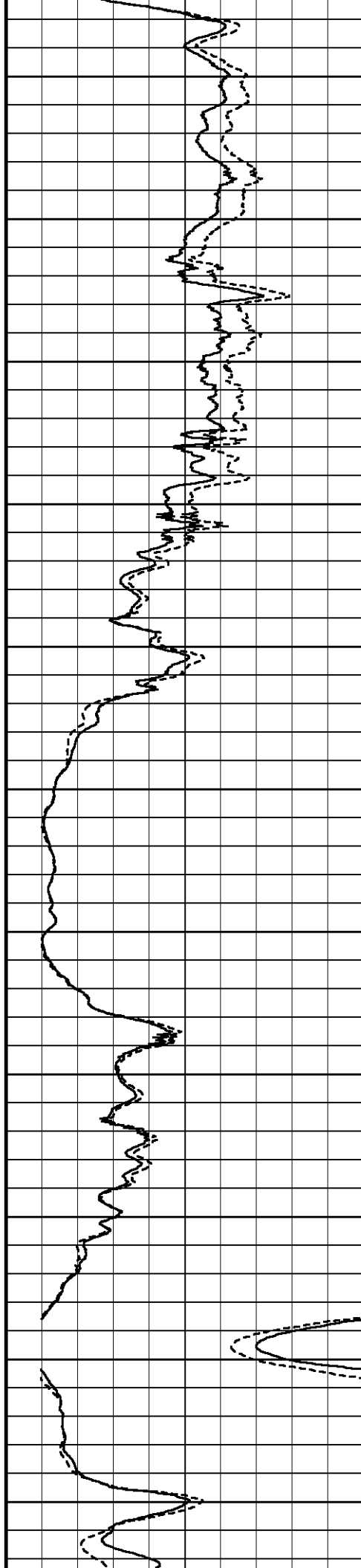
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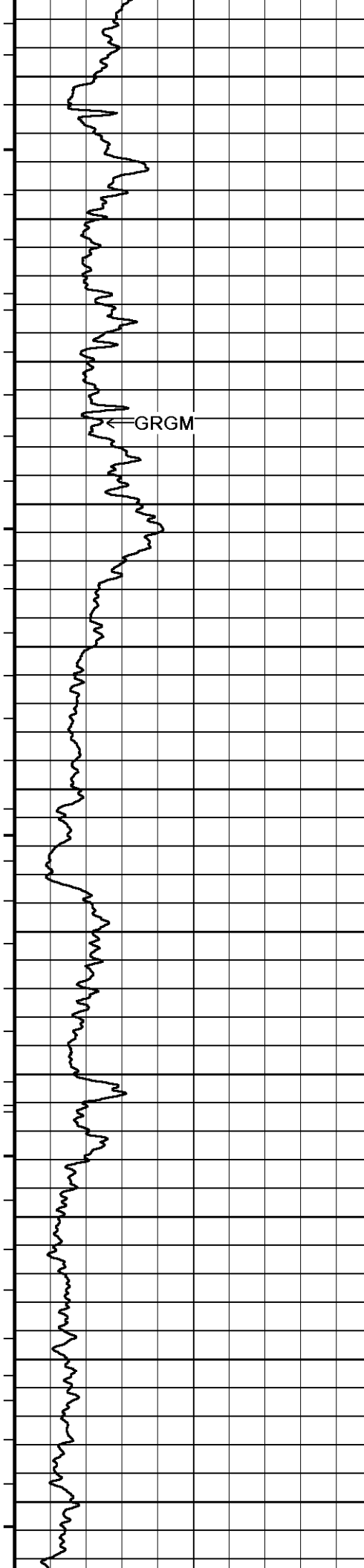
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125°

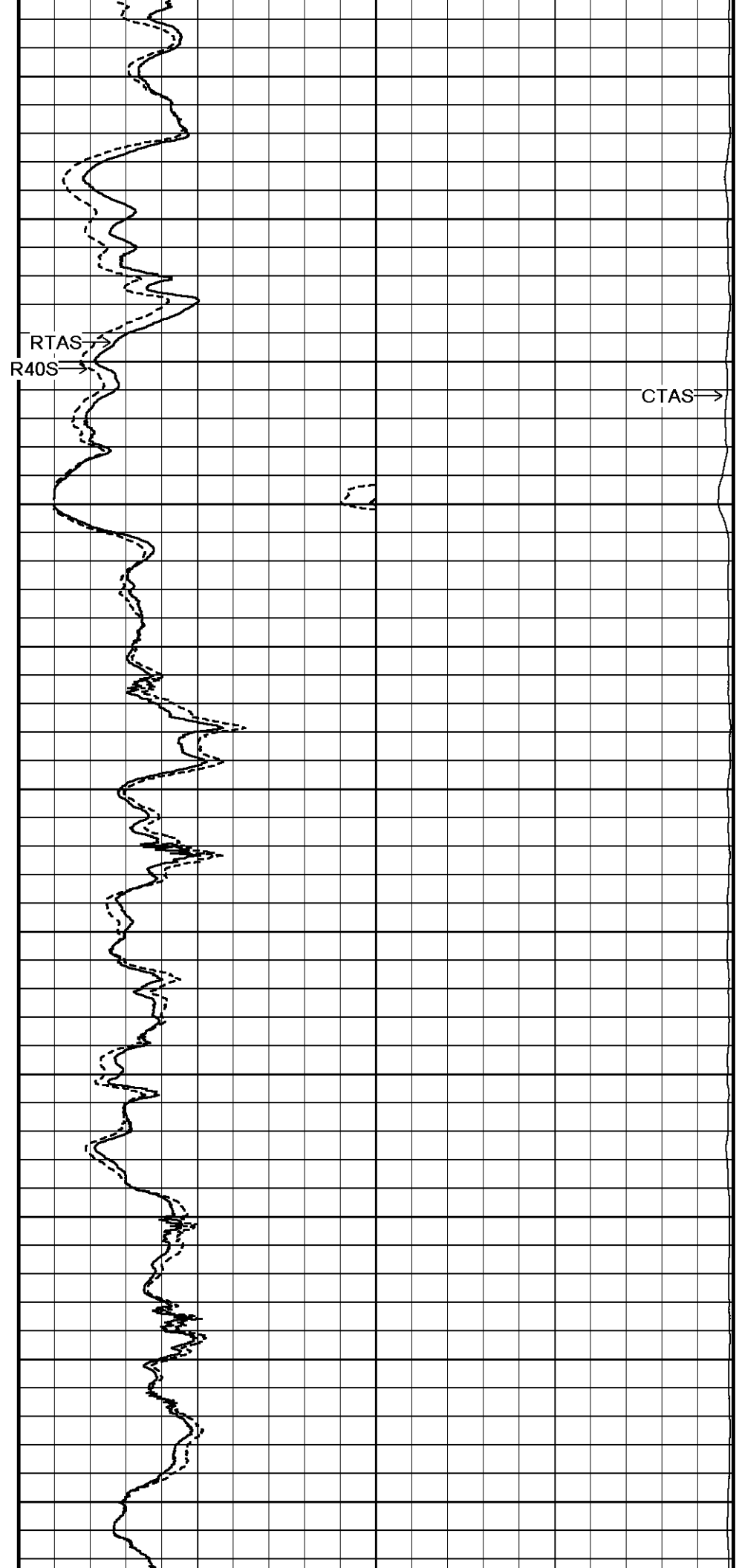
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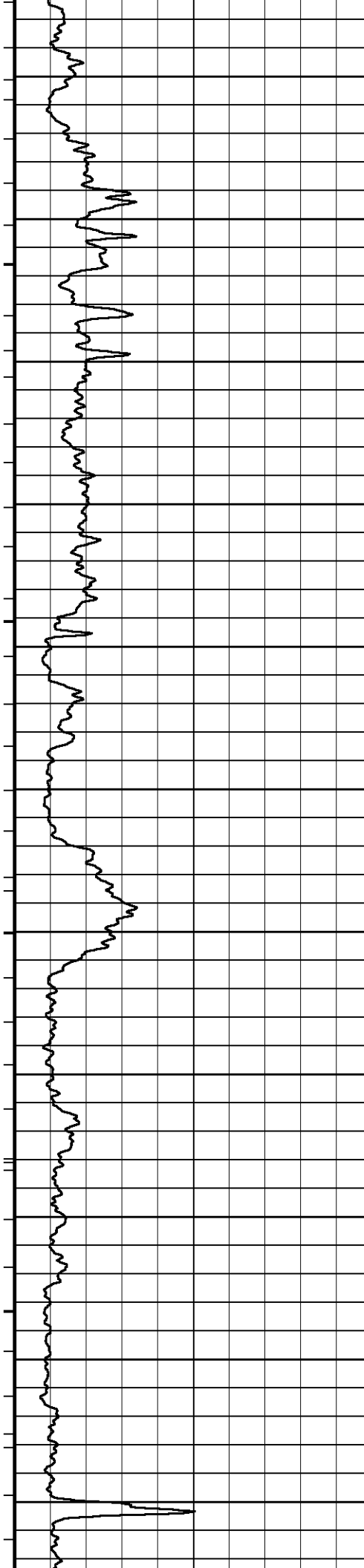
125°





125°
6600
125°
6700
125°
6800
126°
6900
126°
7000
126°
7100





126°

7200

127°

7300

127°

7400

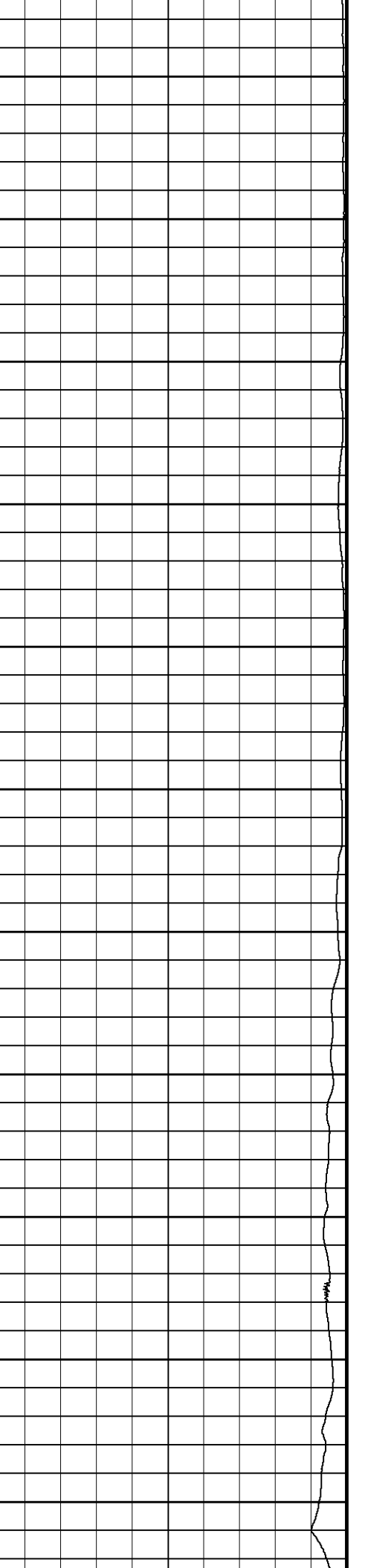
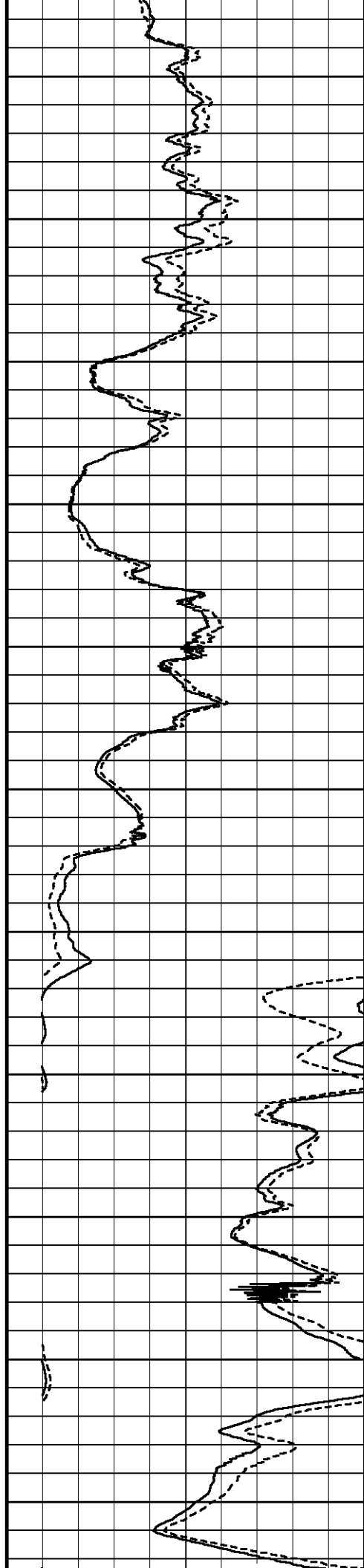
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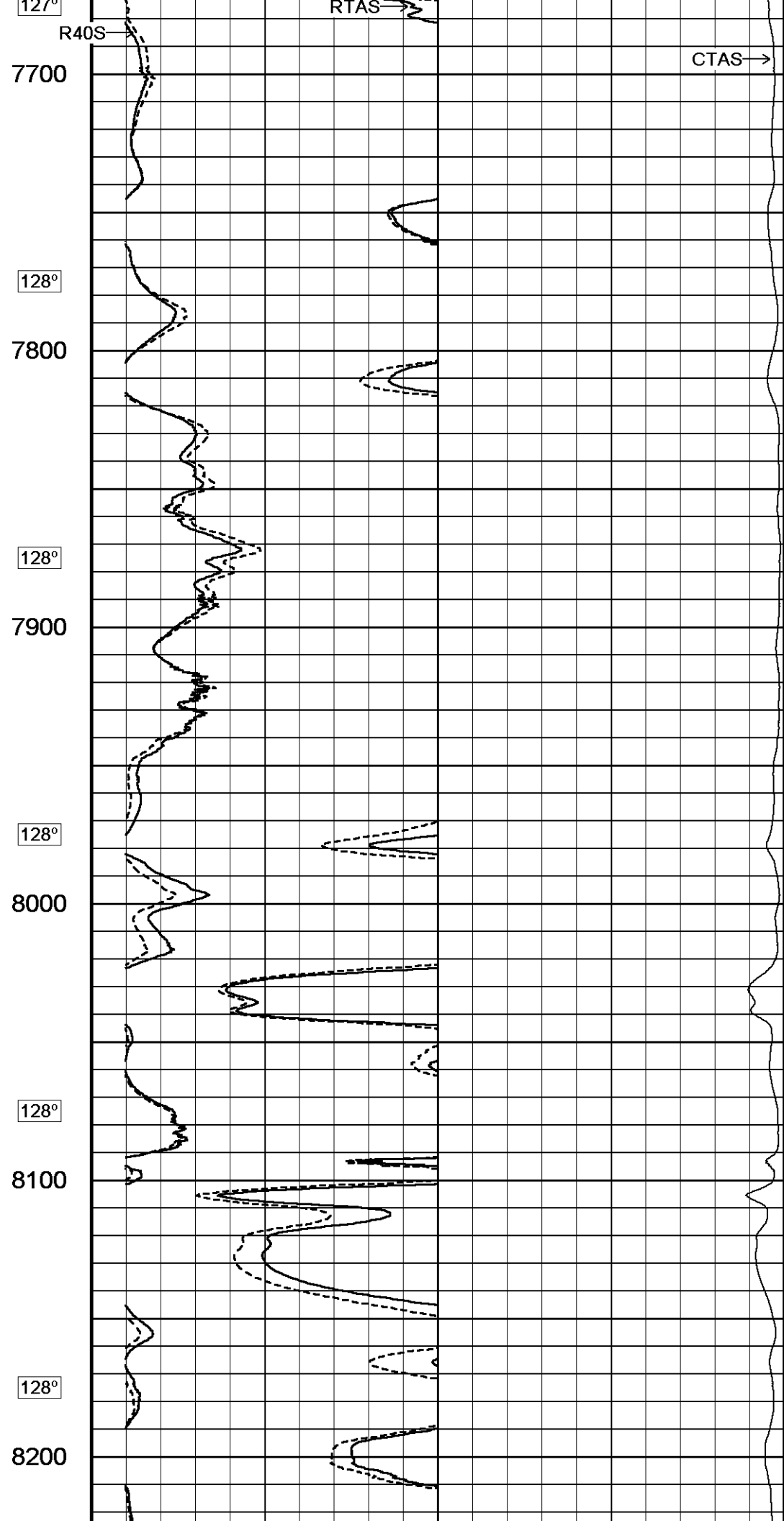
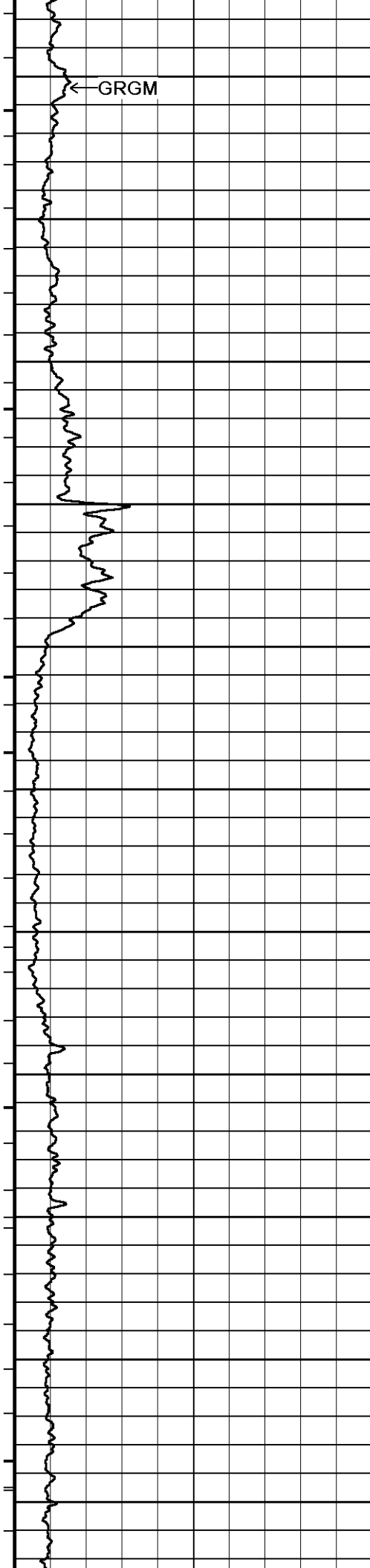
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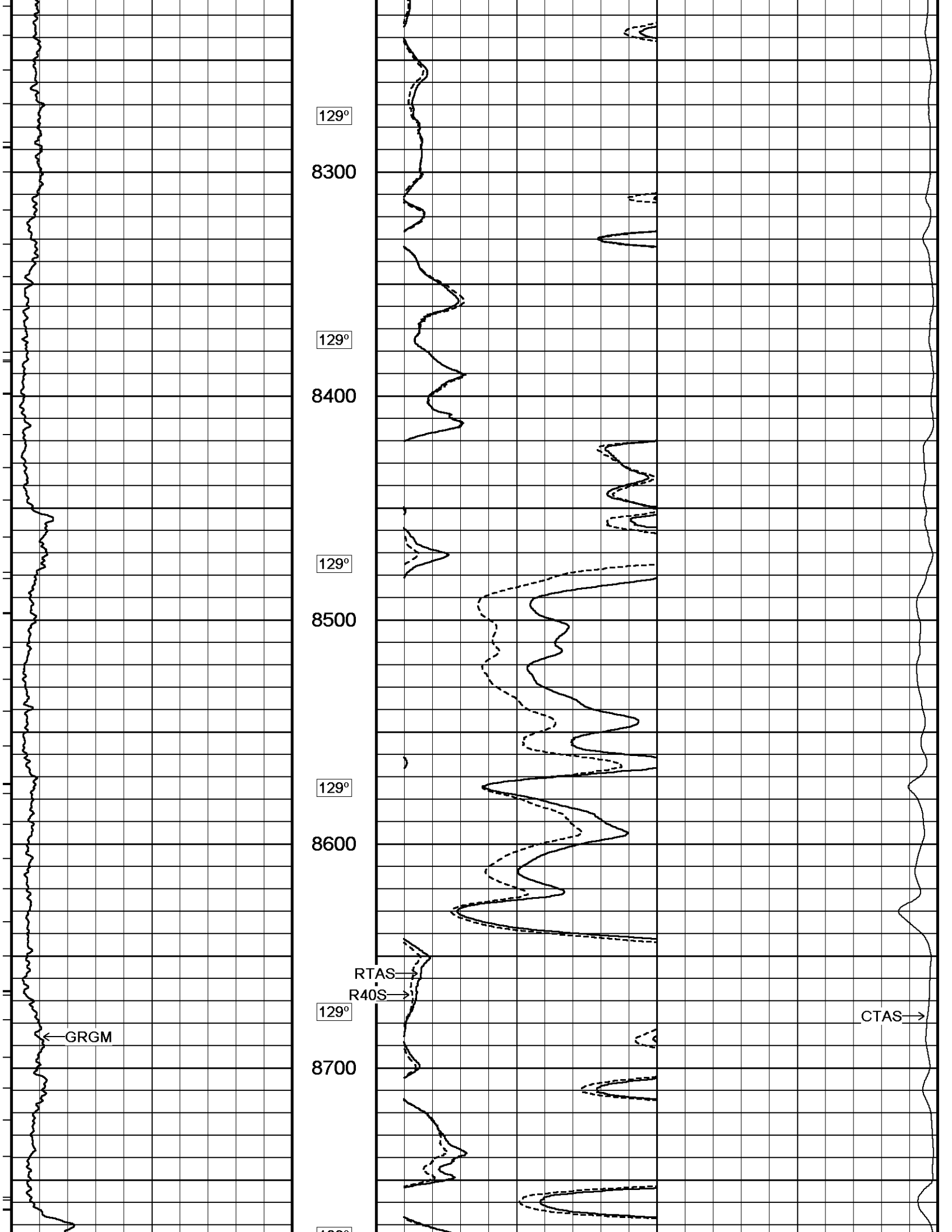
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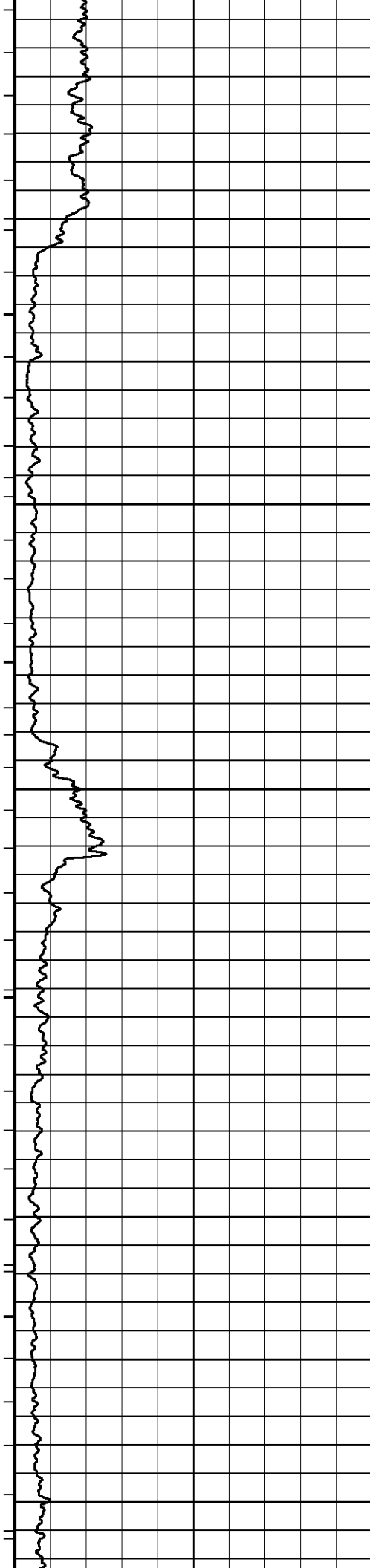
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127°

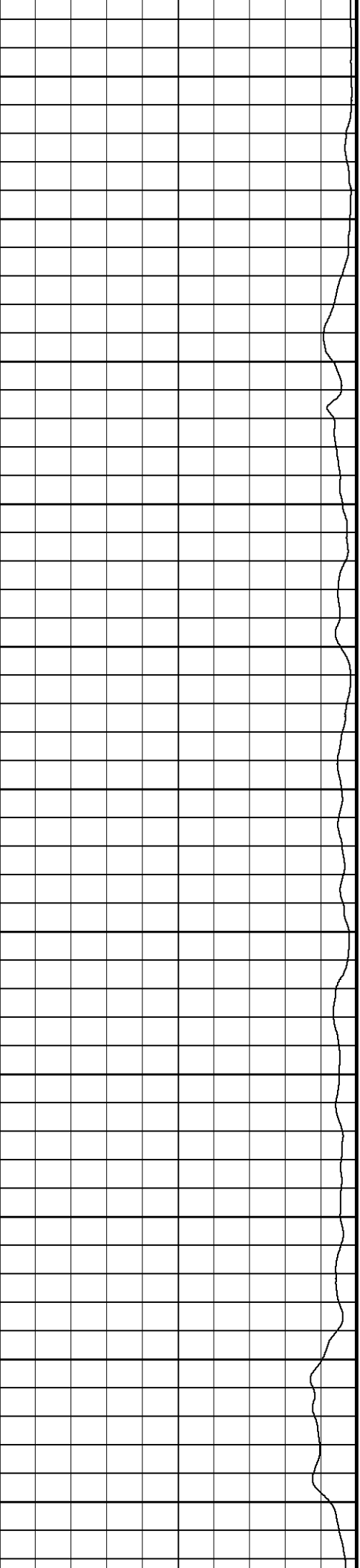
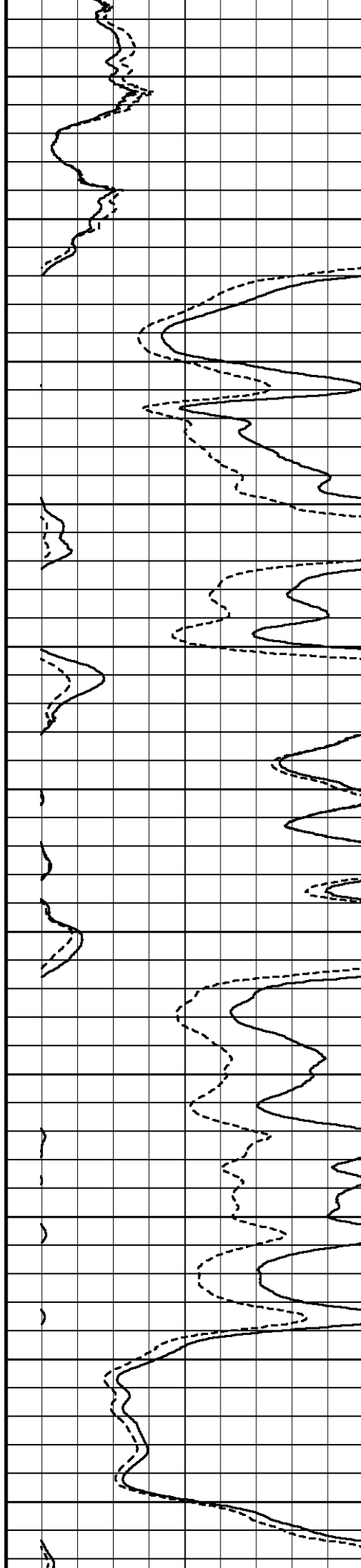


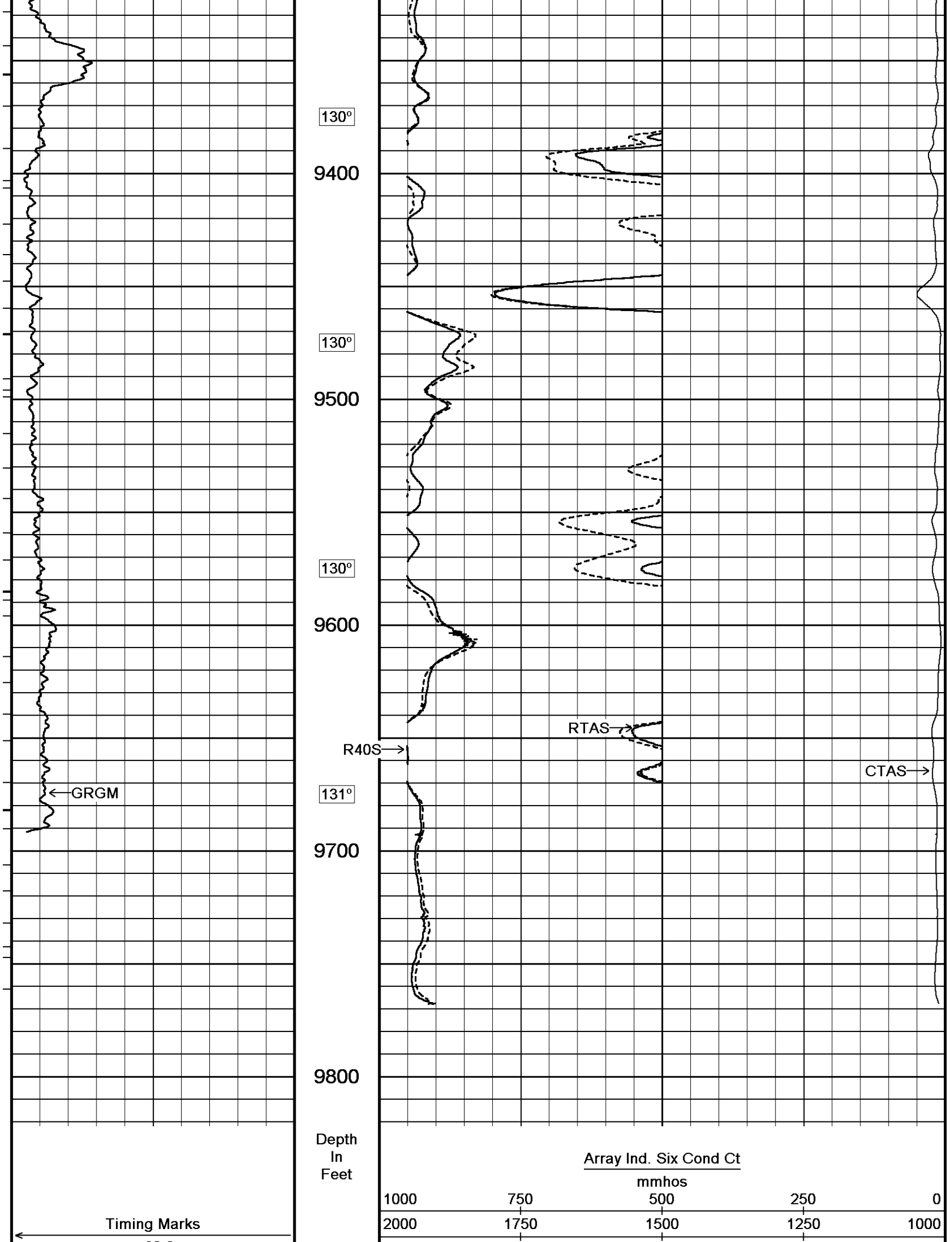


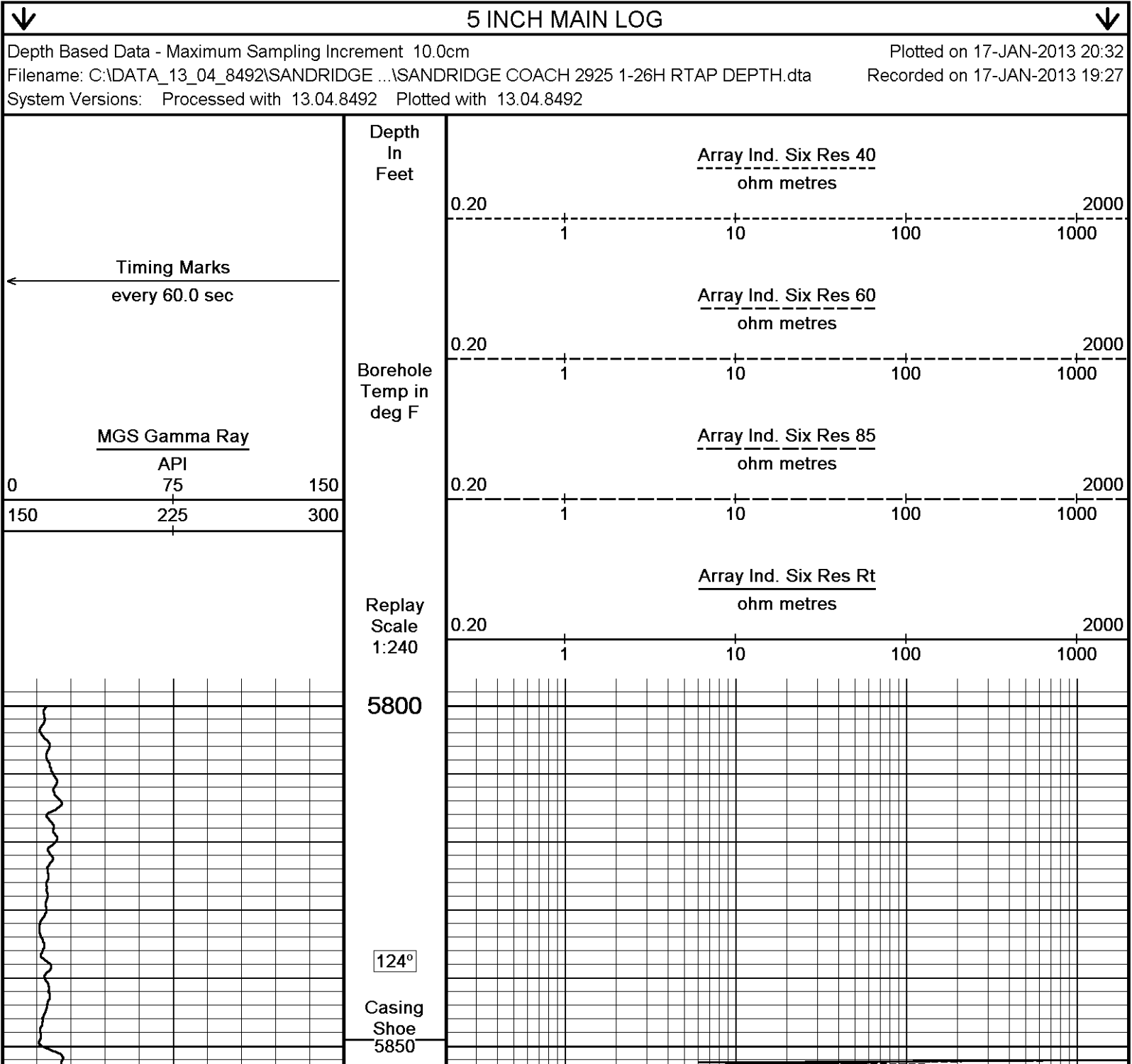
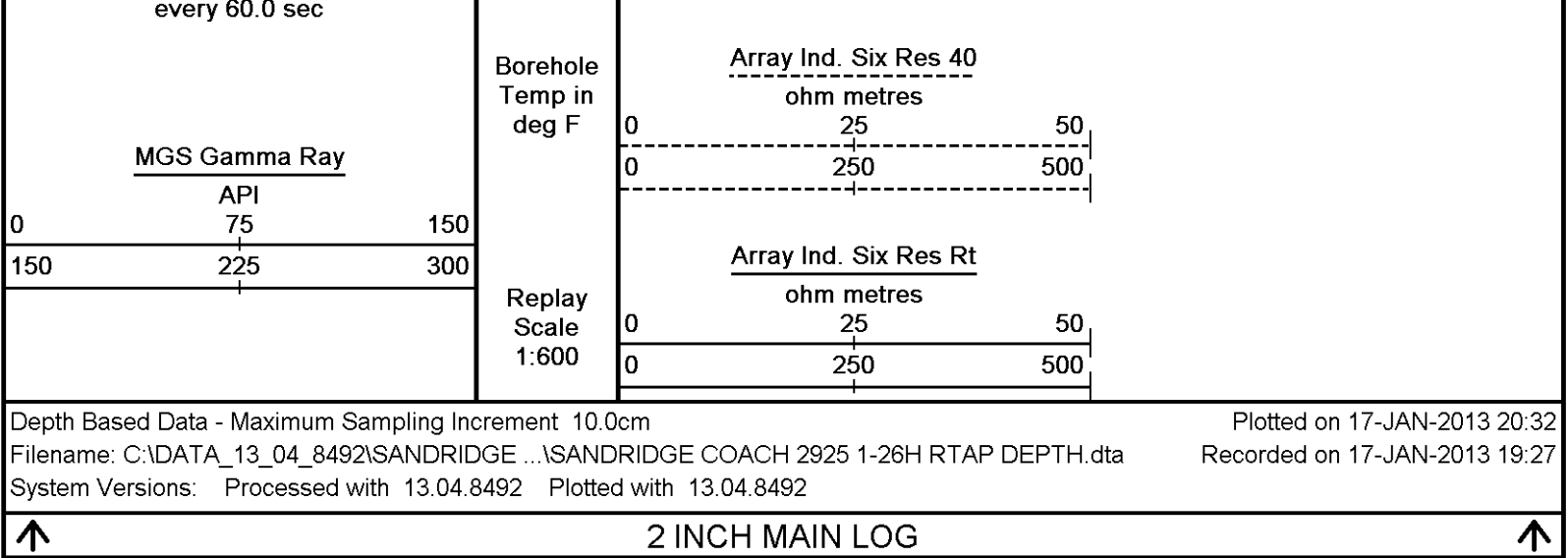


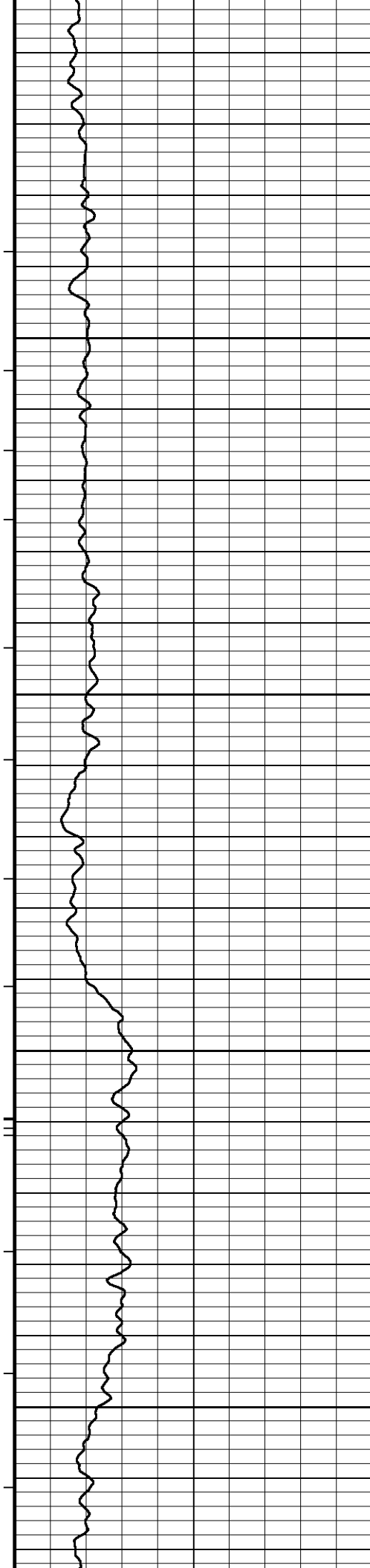


129°
8800
130°
8900
130°
9000
130°
9100
130°
9200
130°
9300









124°

5900

124°

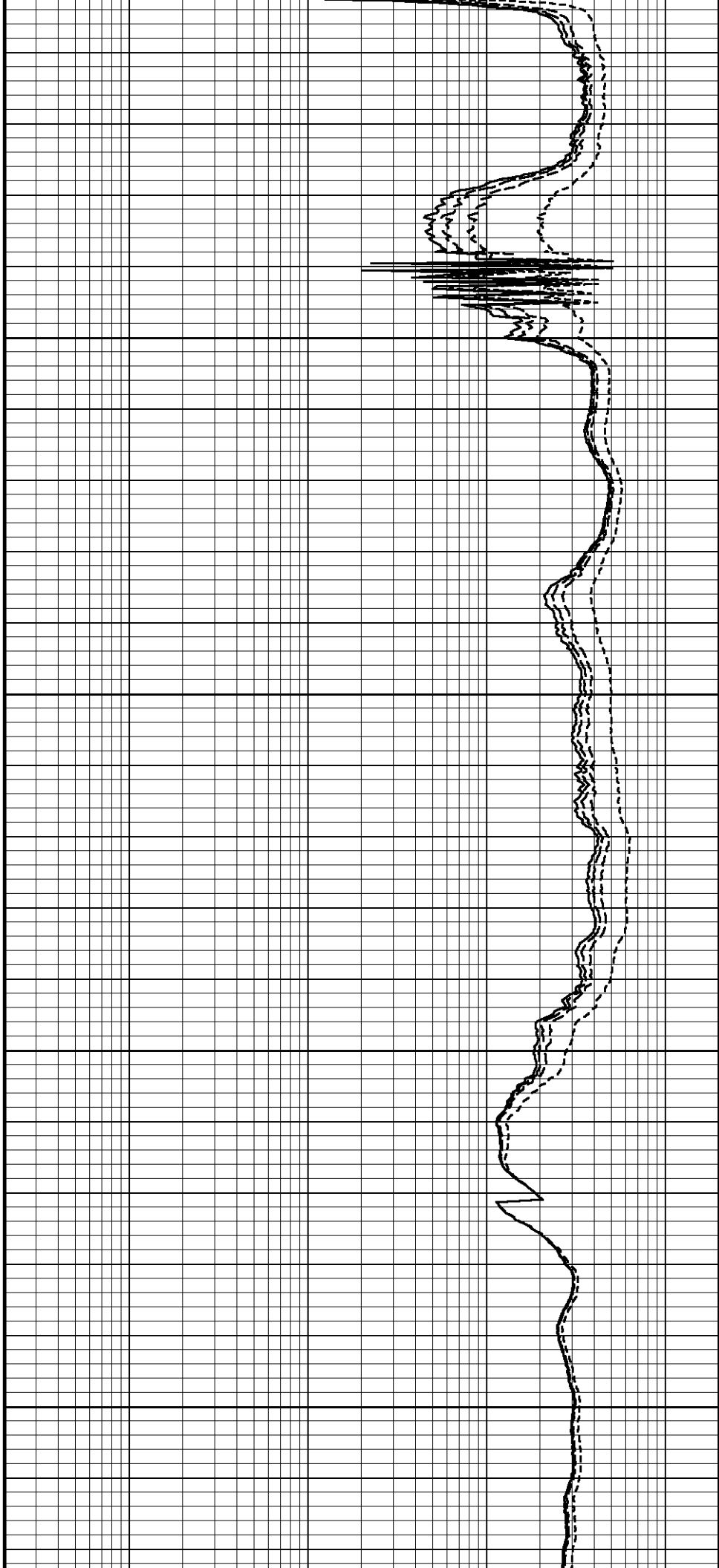
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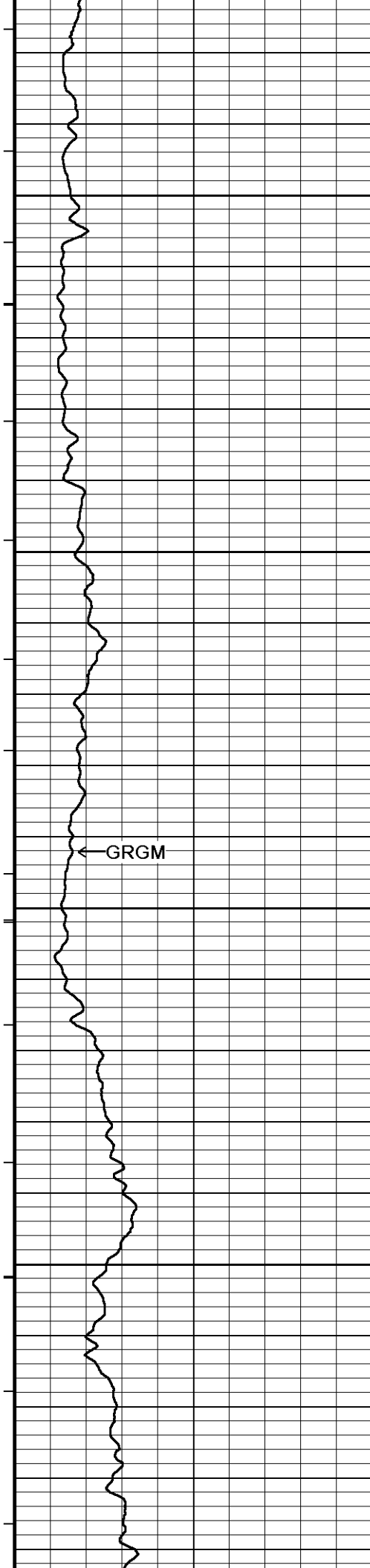
124°

6000

124°

6050





124°

6100

124°

6150

124°

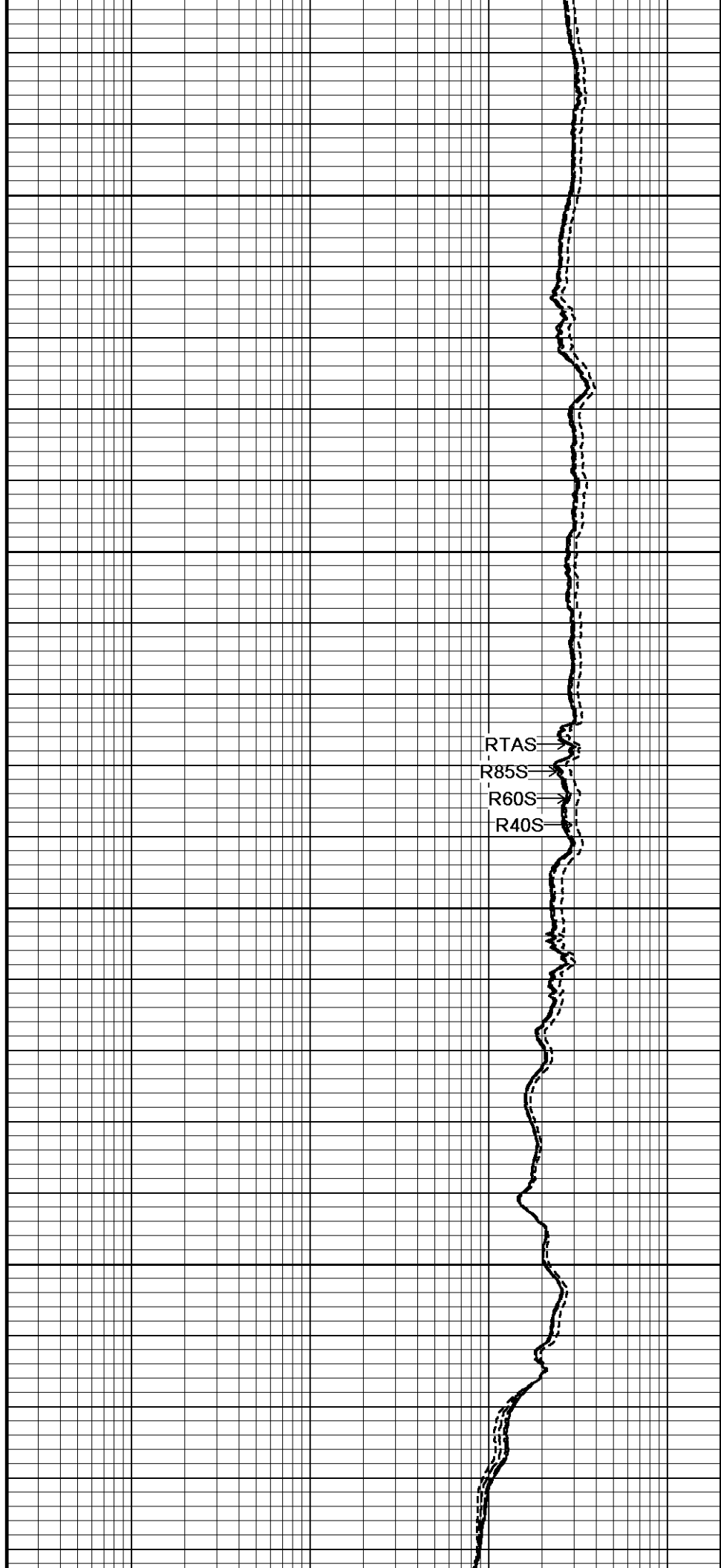
6200

124°

6250

125°

← GRGM

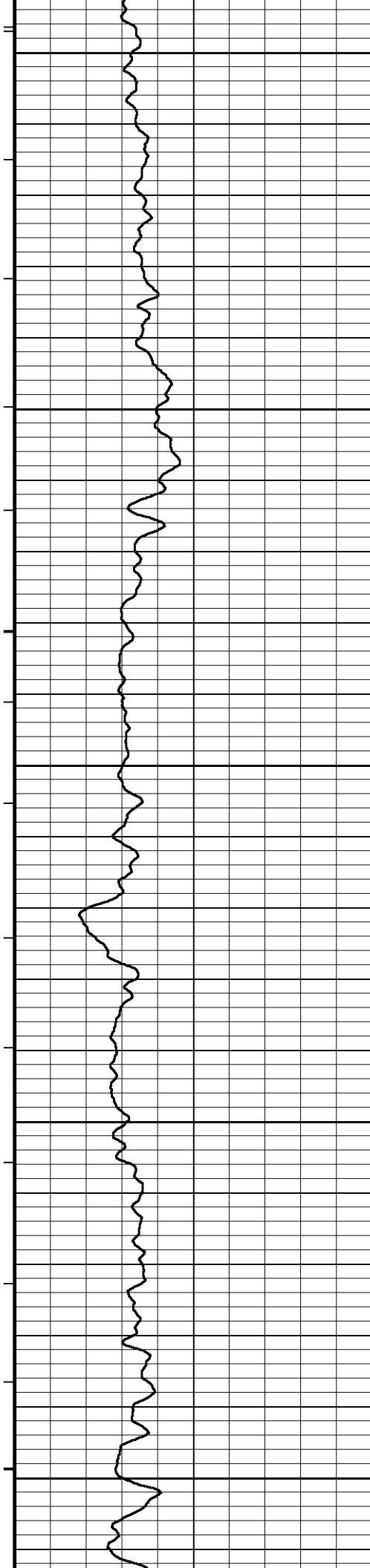


RTAS

R85S

R60S

R40S



6300

125°

6350

125°

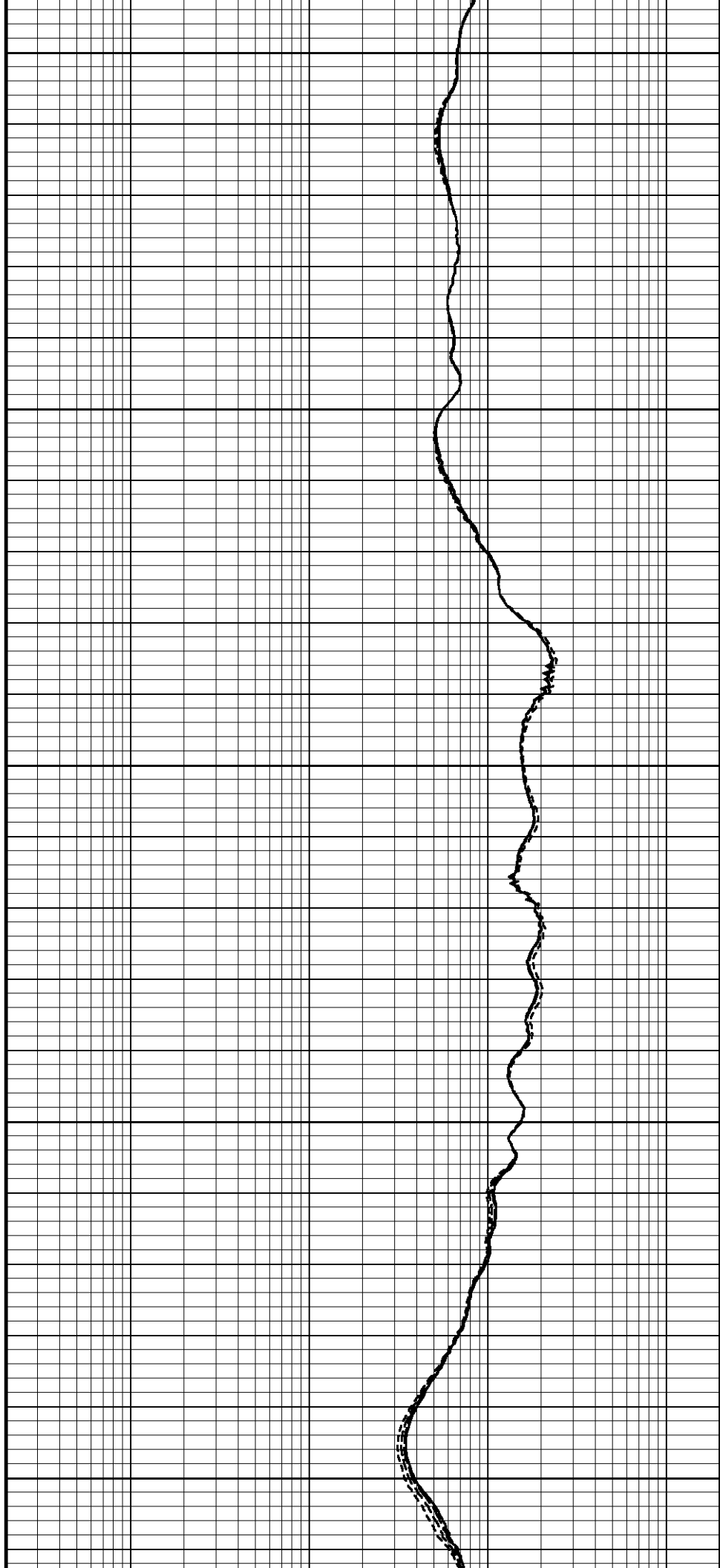
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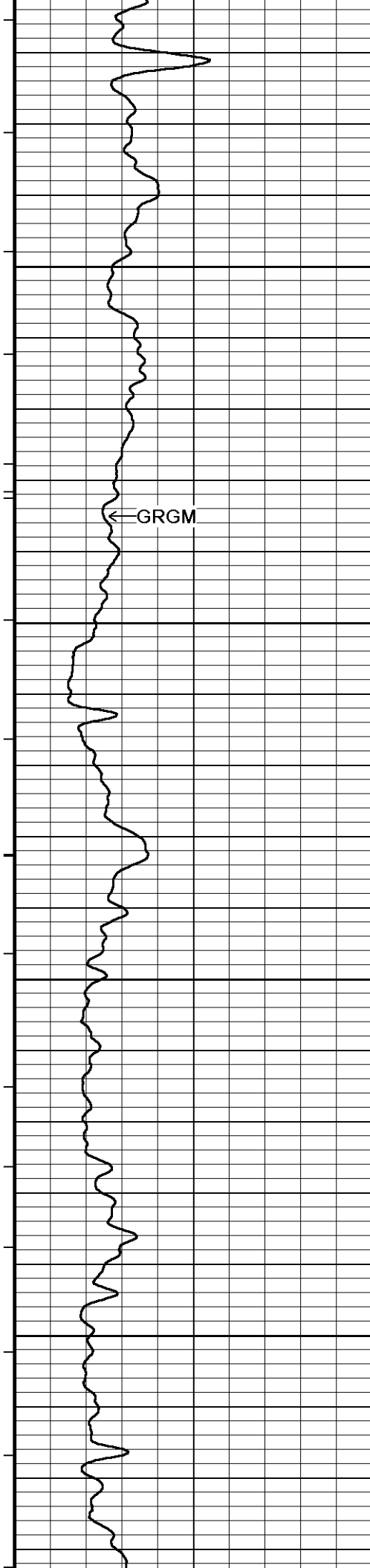
125°

6450

125°

6500





125°

6550

125°

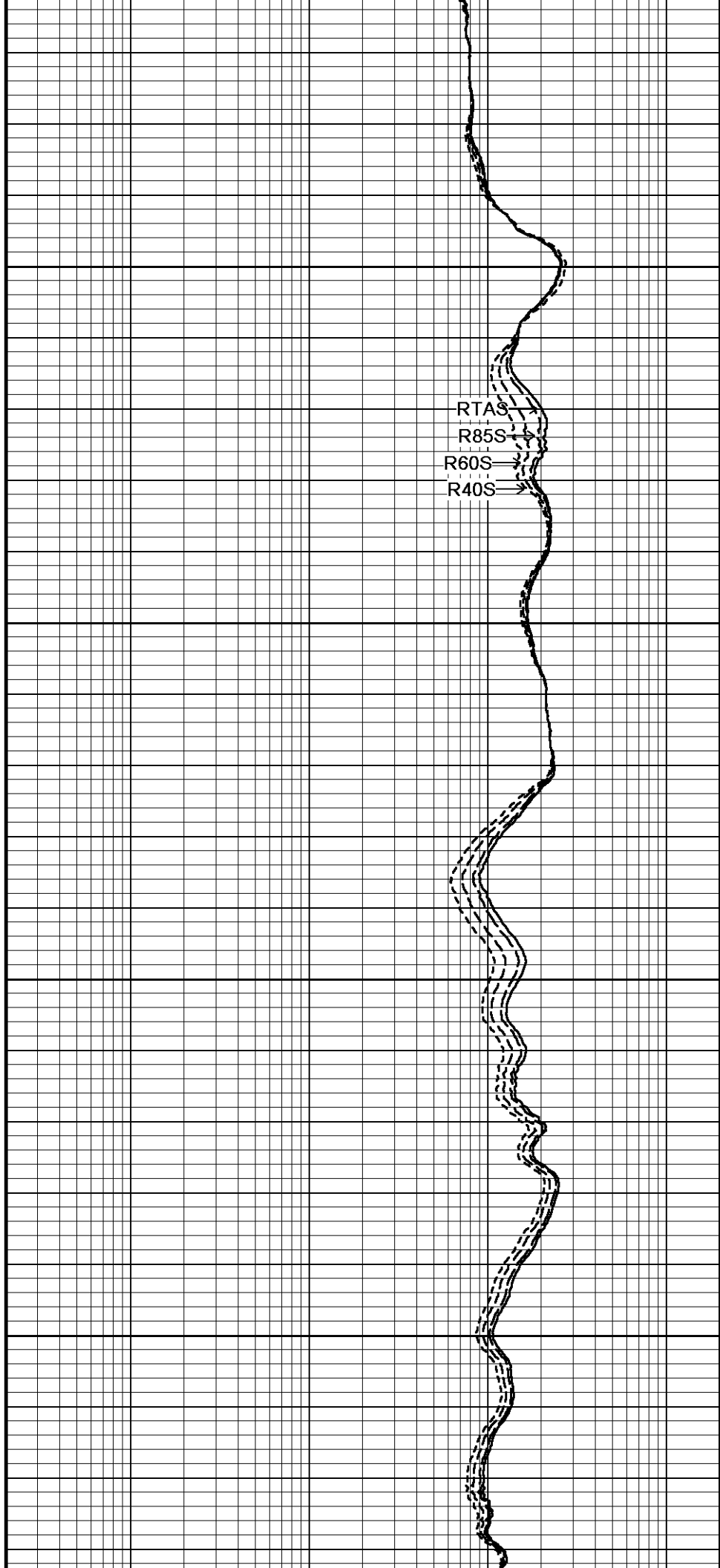
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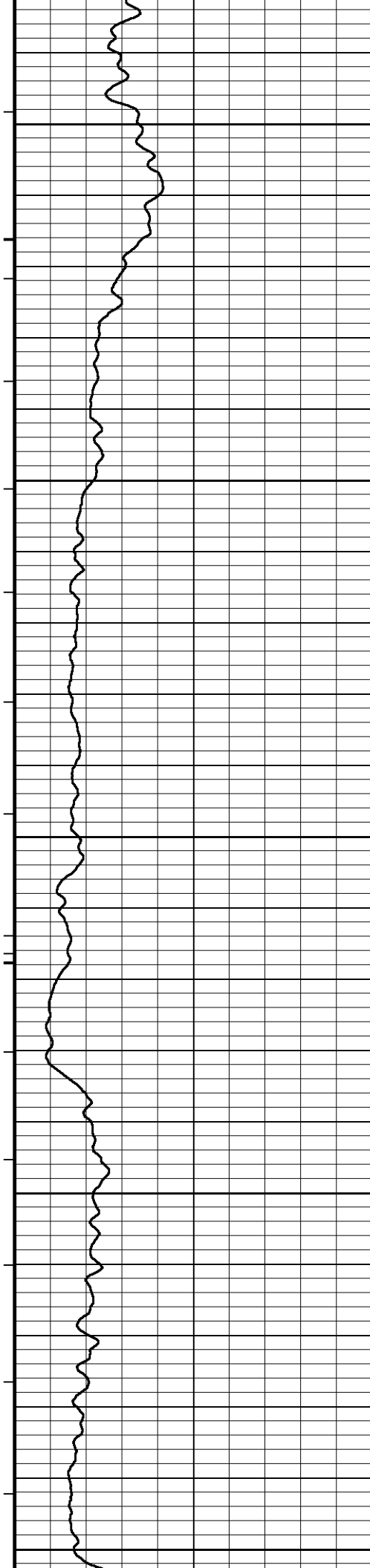
125°

6650

125°

6700





125°

6750

125°

6800

126°

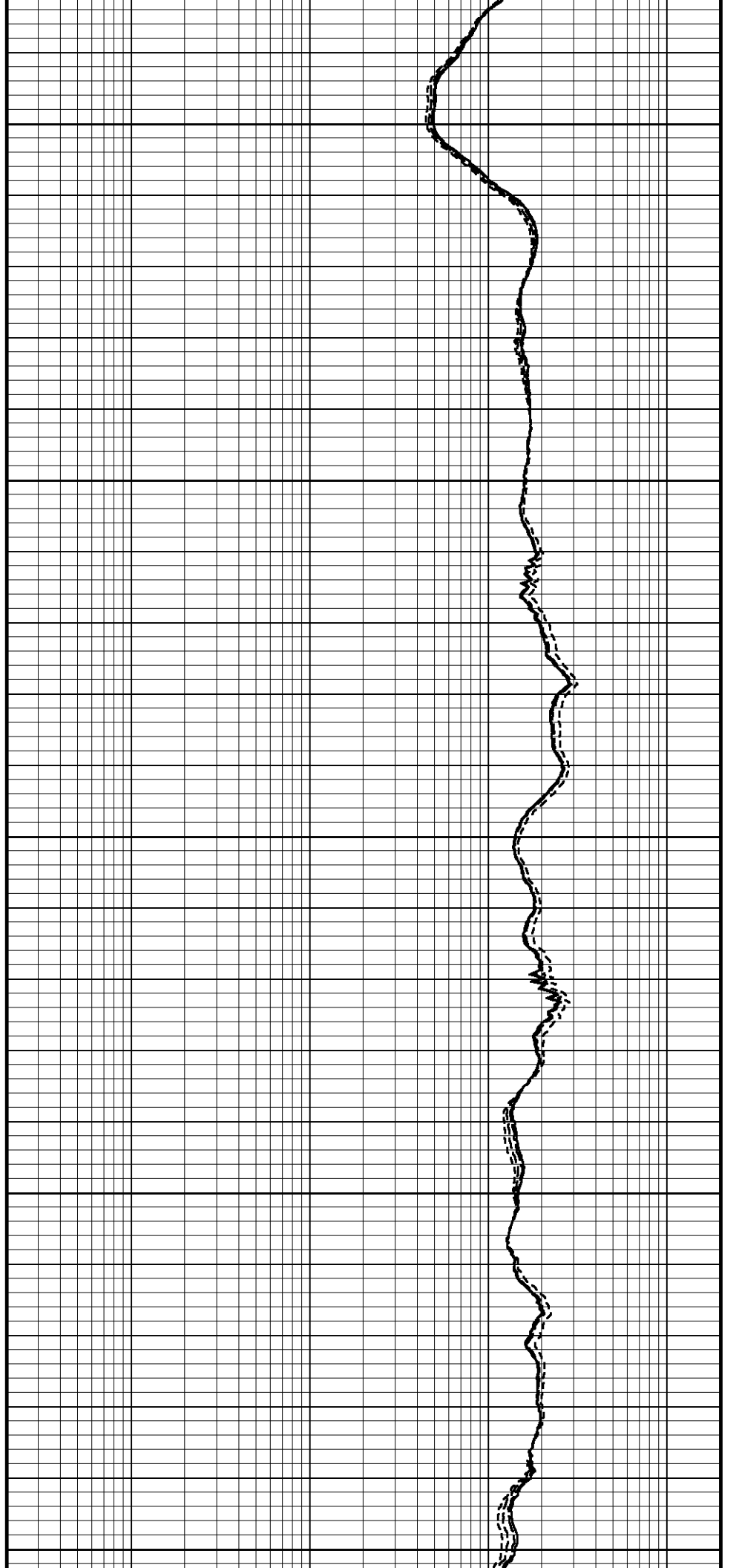
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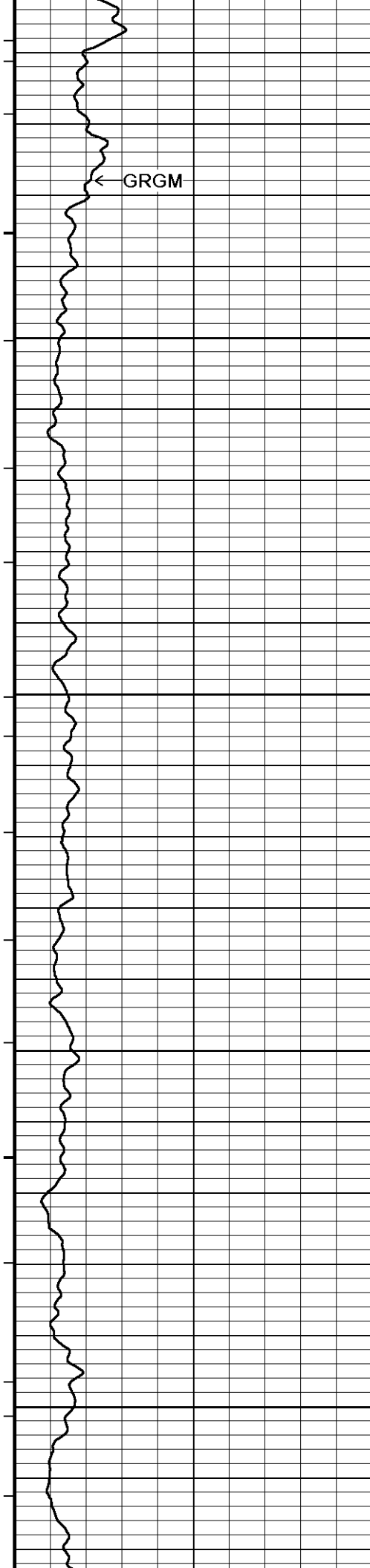
126°

6900

126°

6950





126°

7000

126°

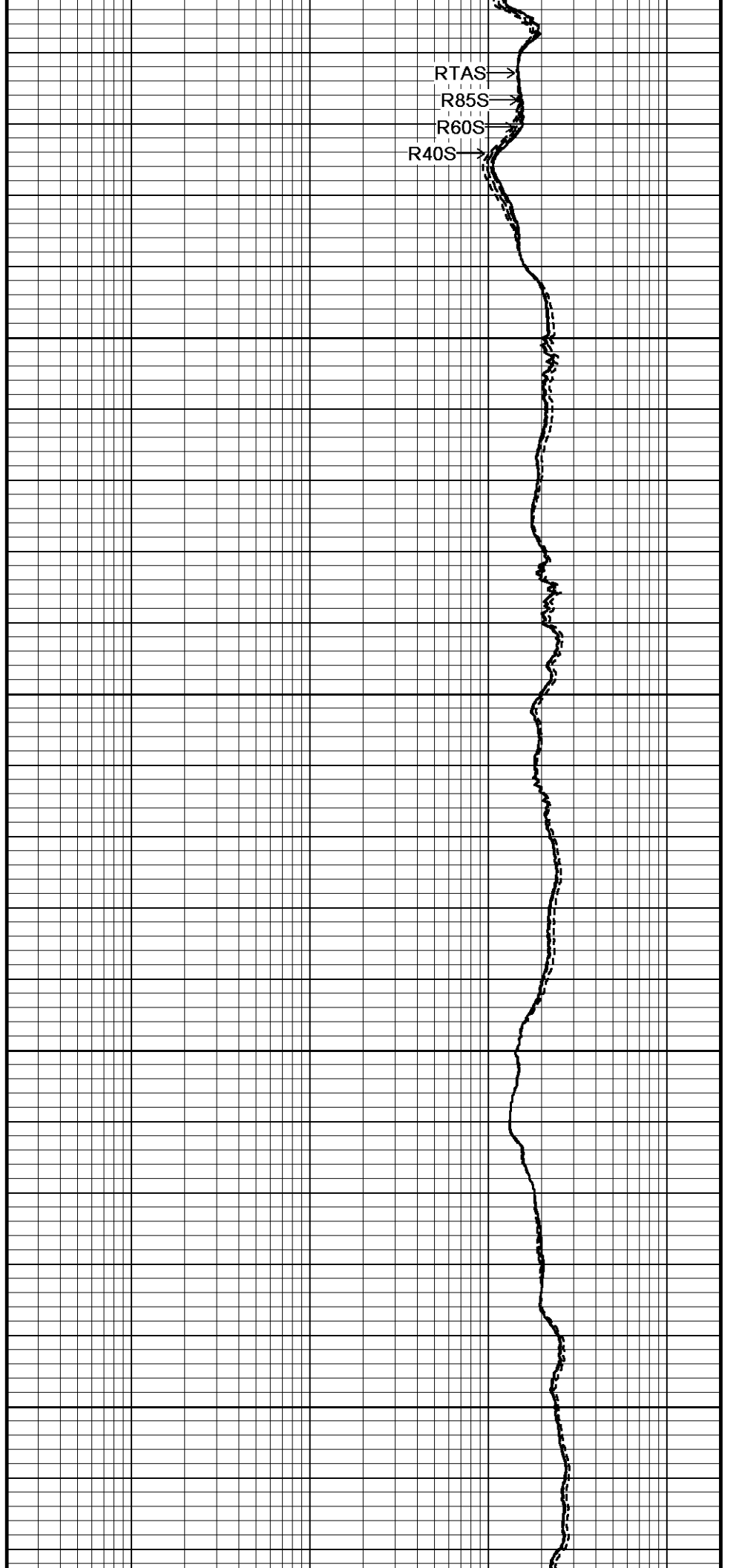
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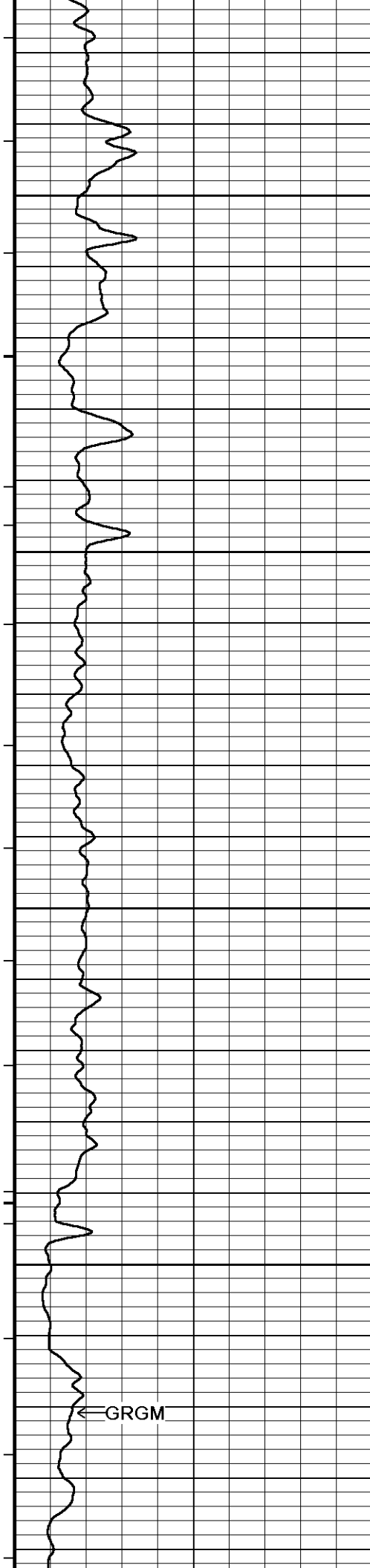
126°

7100

126°

7150





126°

7200

127°

7250

127°

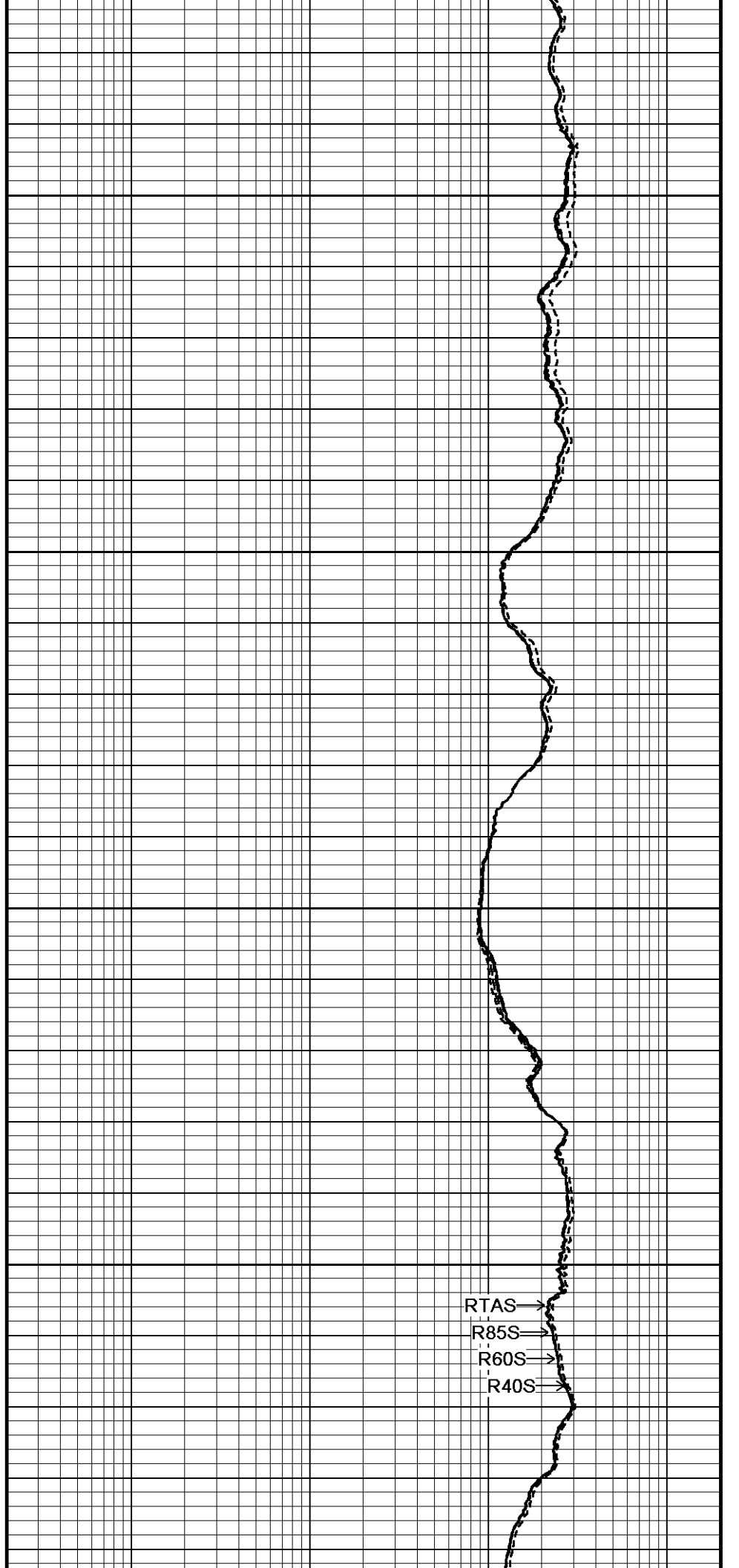
7300

127°

7350

← GRGM

127°

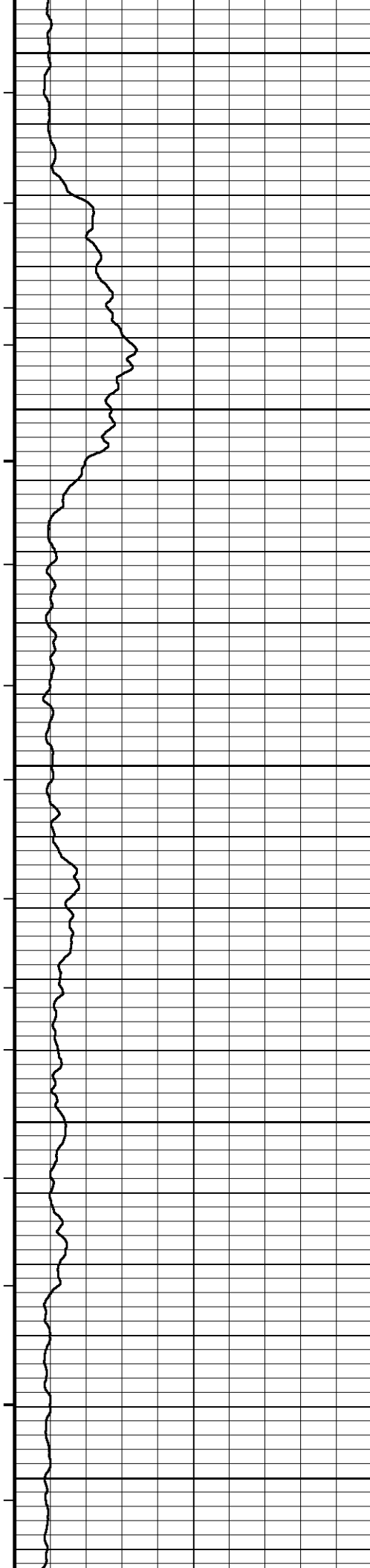


RTAS →

R85S →

R60S →

R40S →



7400

127°

7450

127°

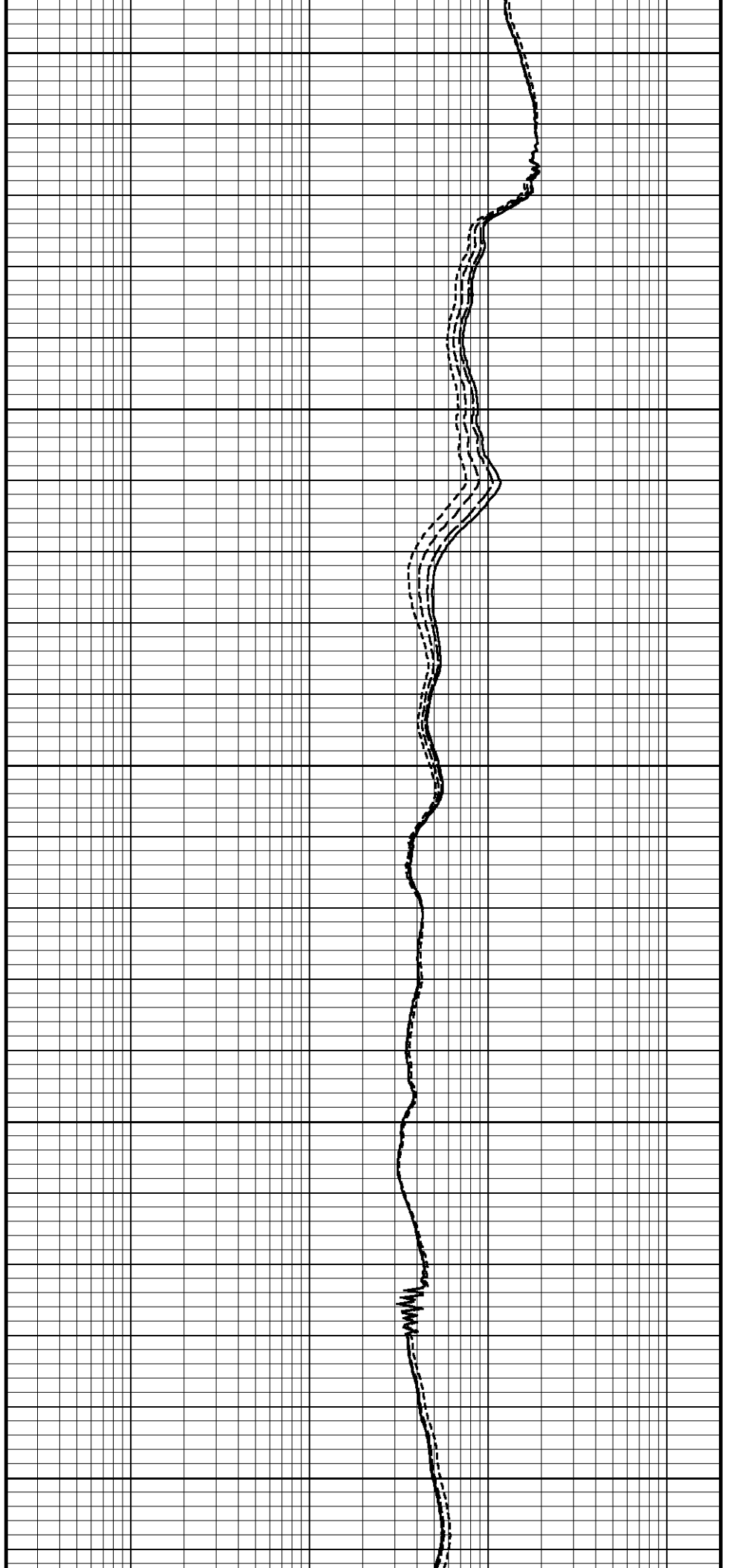
7500

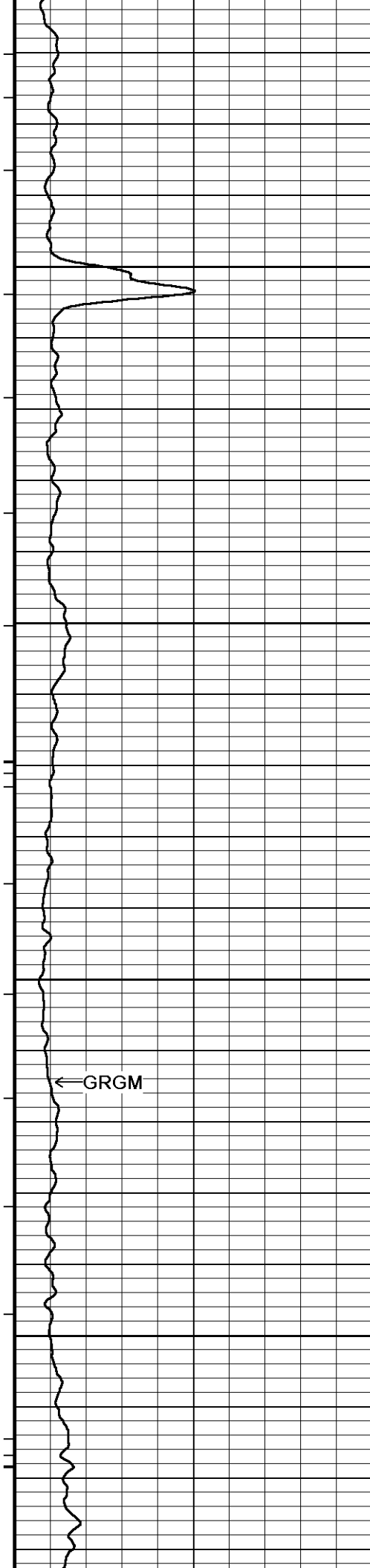
127°

7550

127°

7600





127°

7650

127°

7700

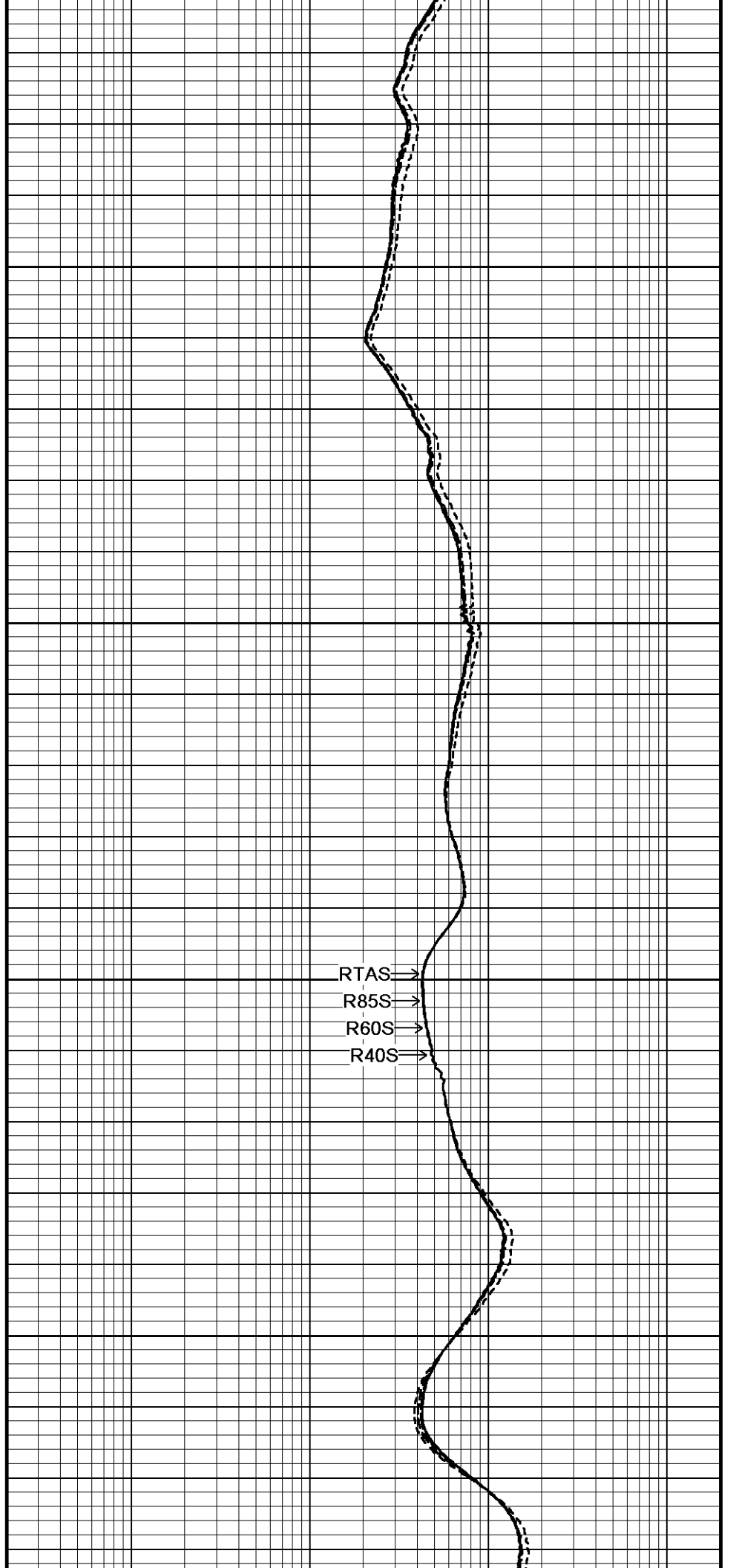
127°

7750

128°

7800

← GRGM

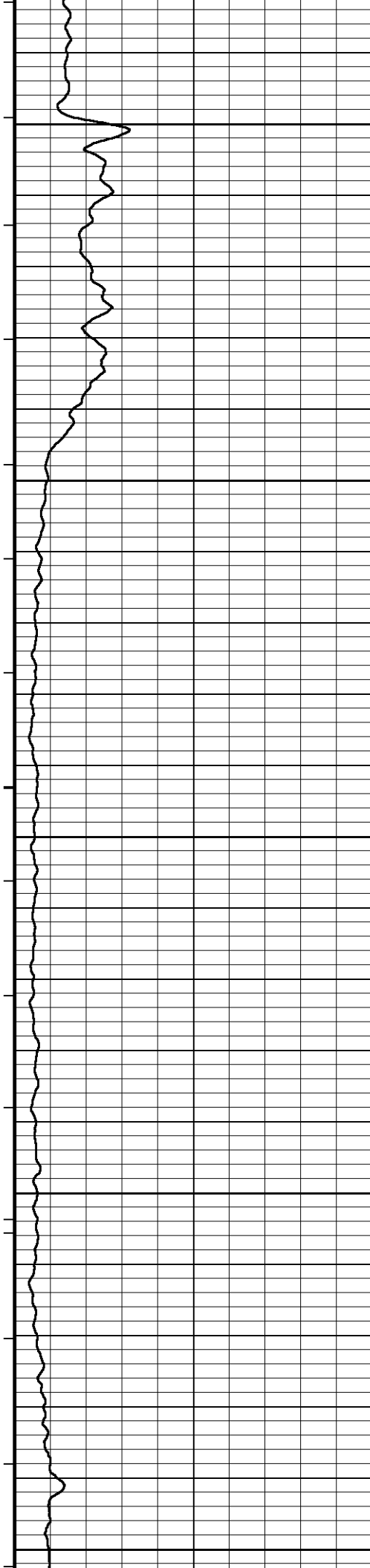


RTAS →

R85S →

R60S →

R40S →



128°

7850

128°

7900

128°

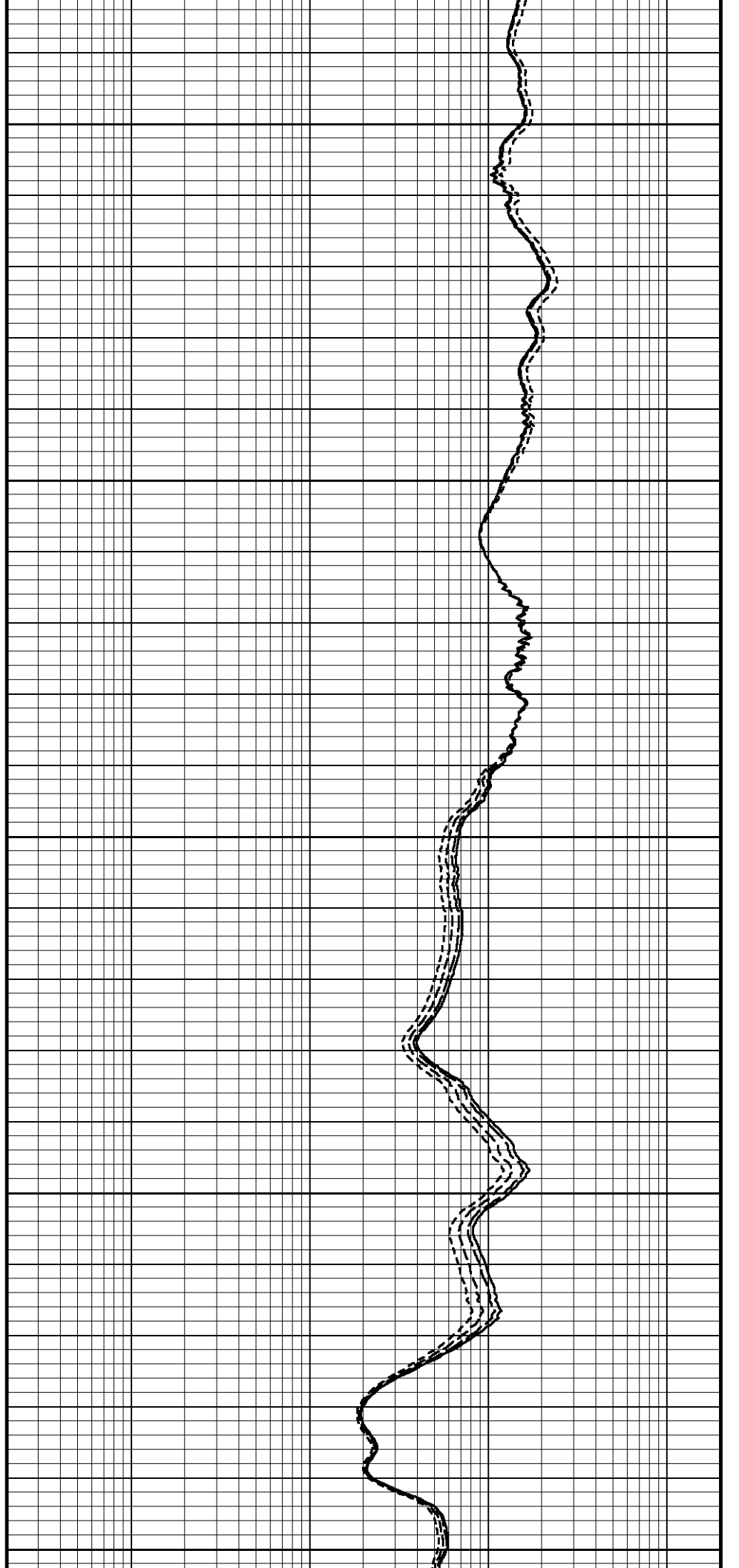
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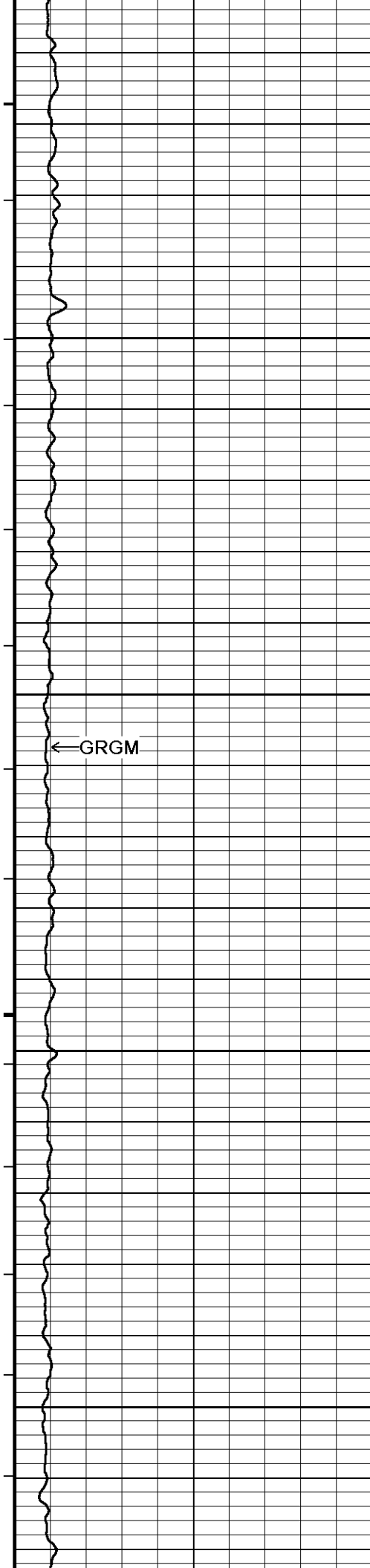
128°

8000

128°

8050





128°

8100

128°

8150

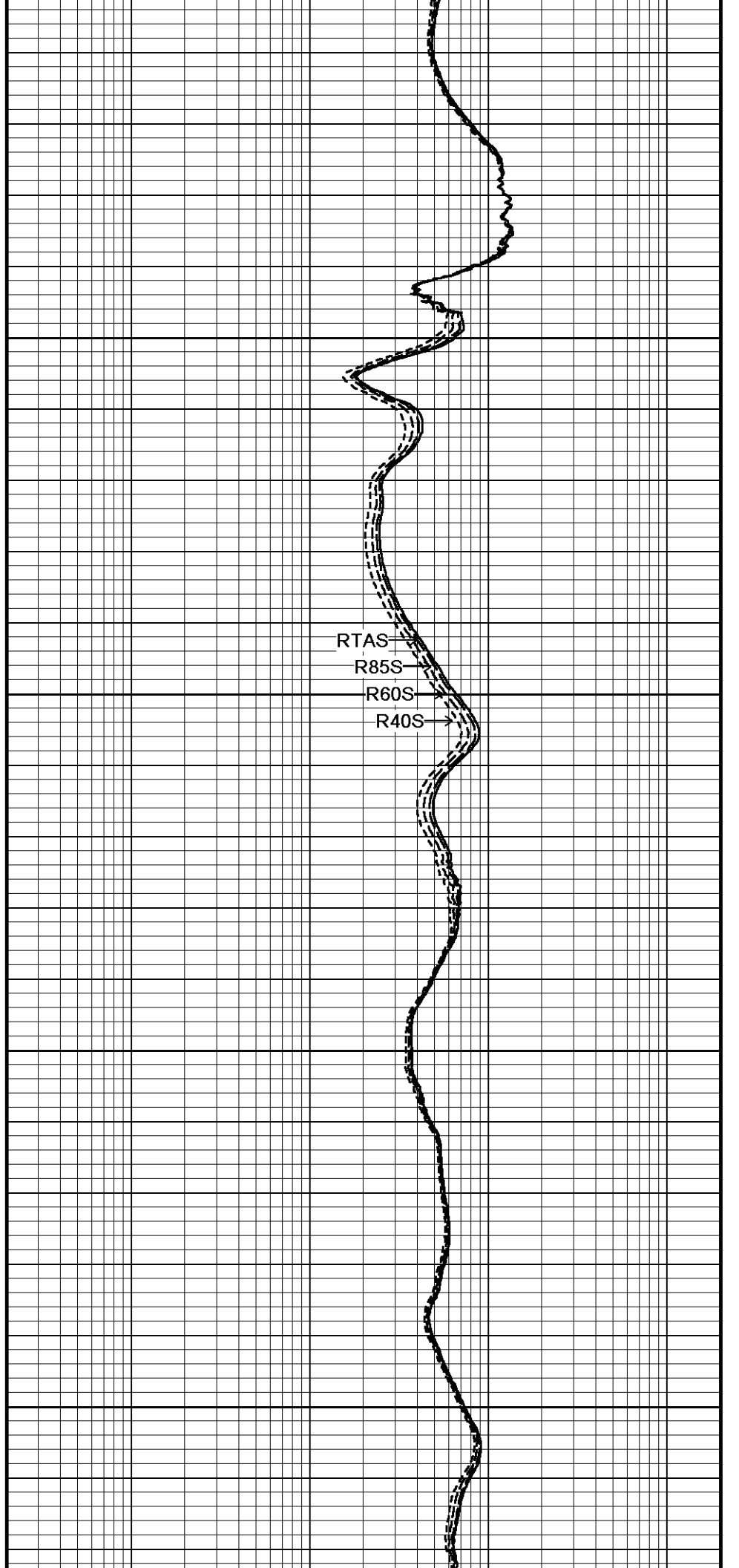
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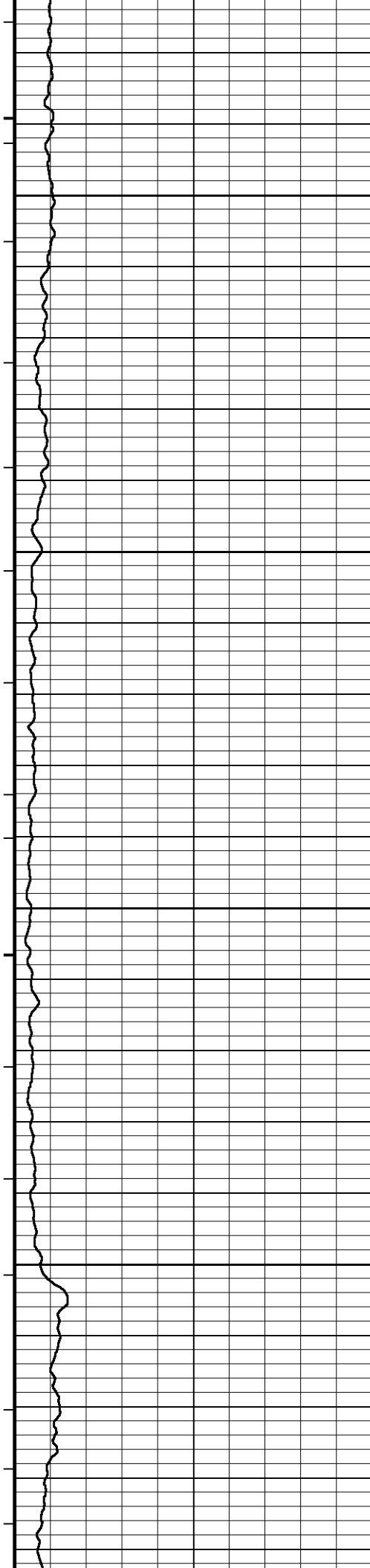
8200

128°

8250

← GRGM





129°

8300

129°

8350

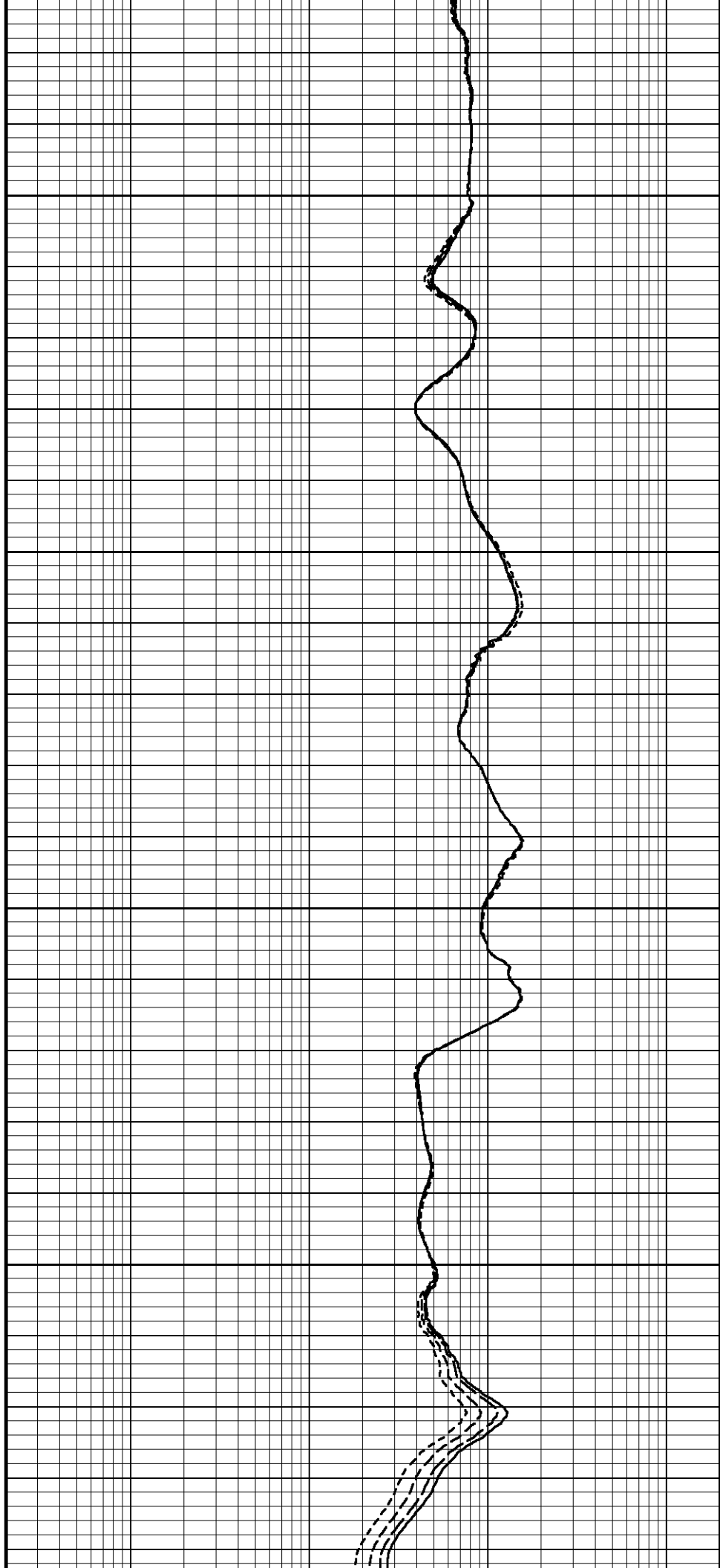
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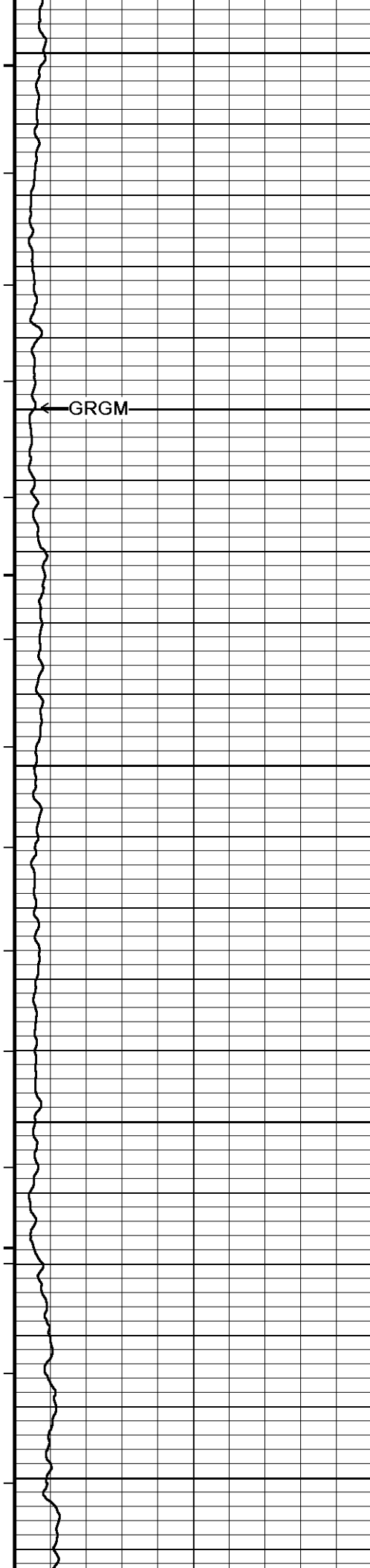
8400

129°

8450

129°





8500

129°

8550

129°

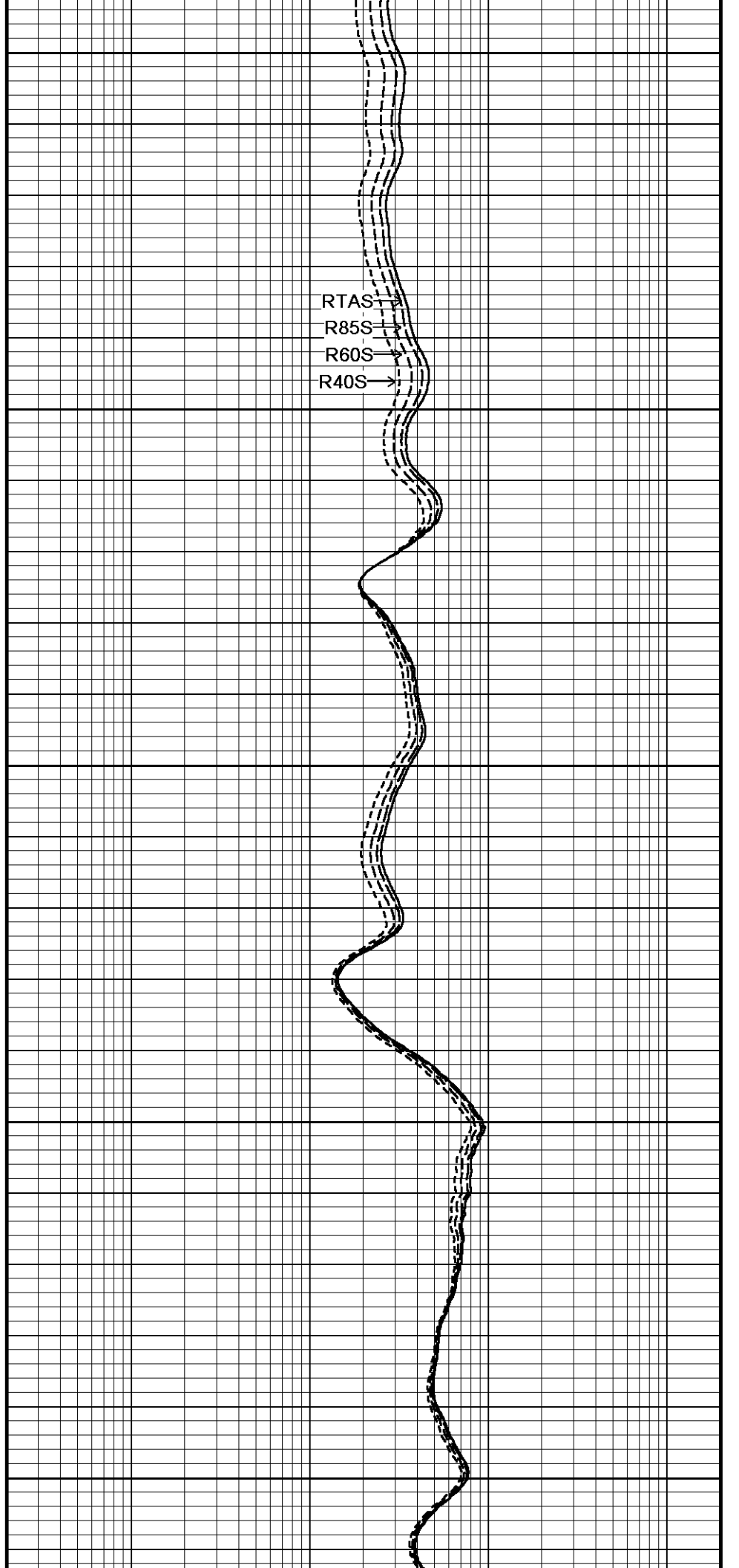
8600

129°

8650

129°

8700

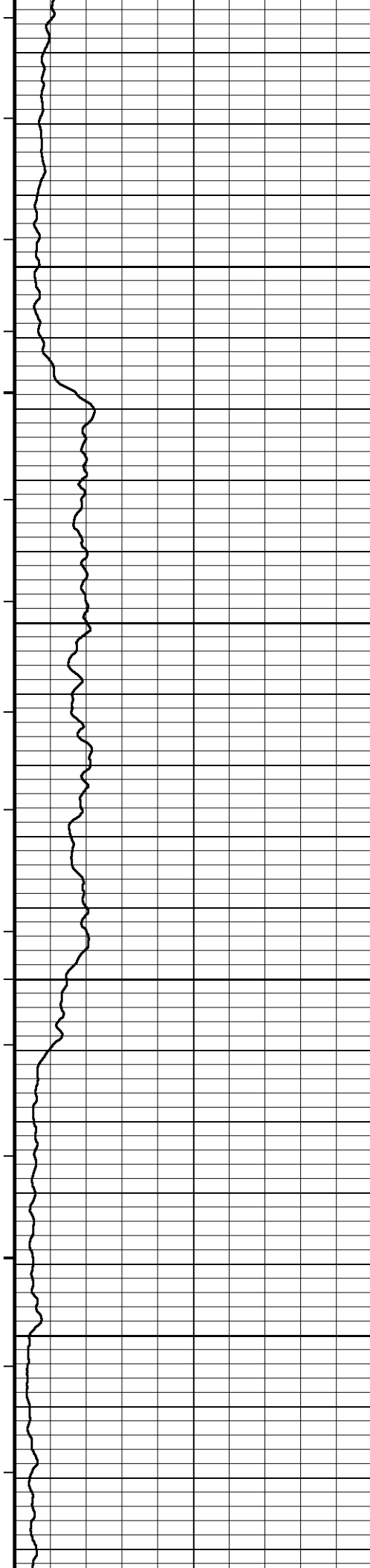


RTAS

R85S

R60S

R40S



129°

8750

129°

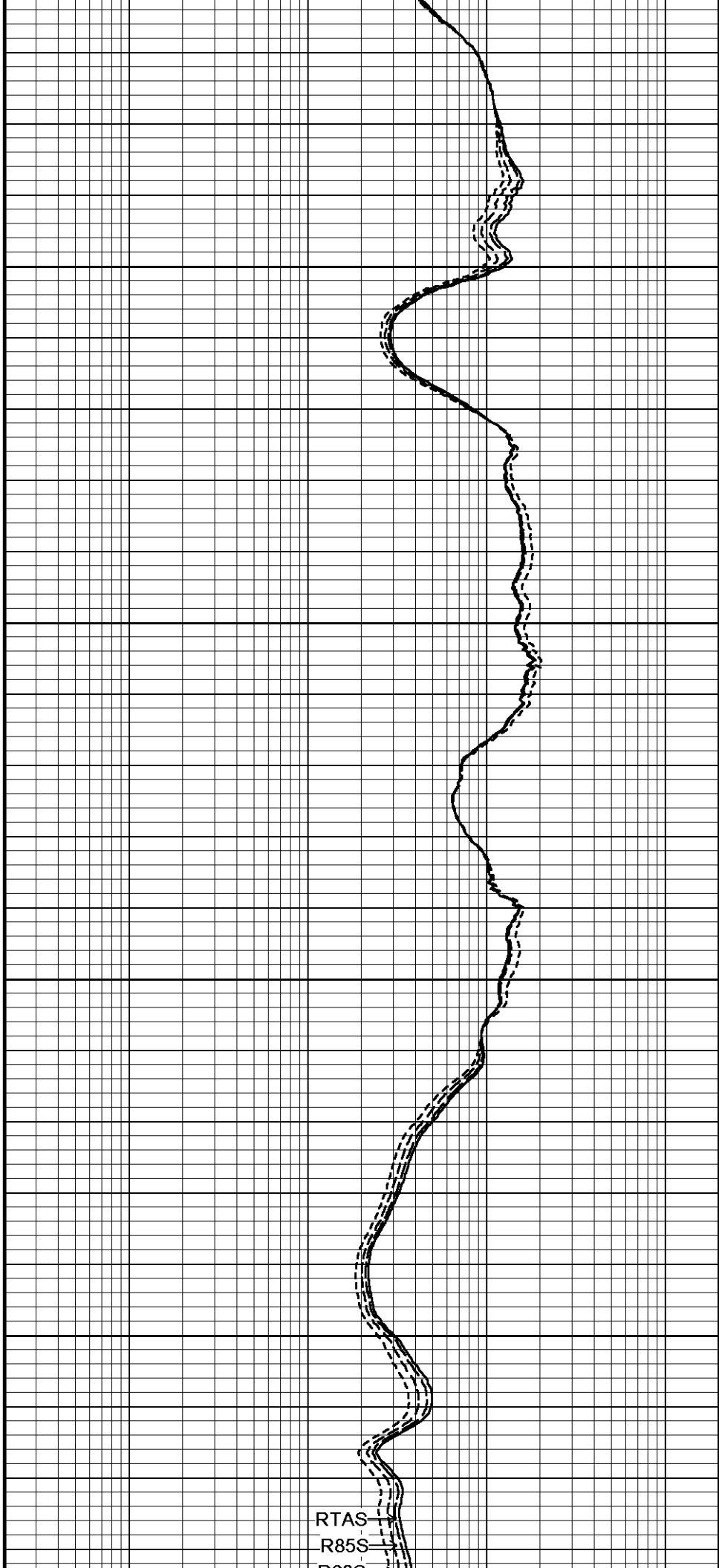
8800

130°

8850

130°

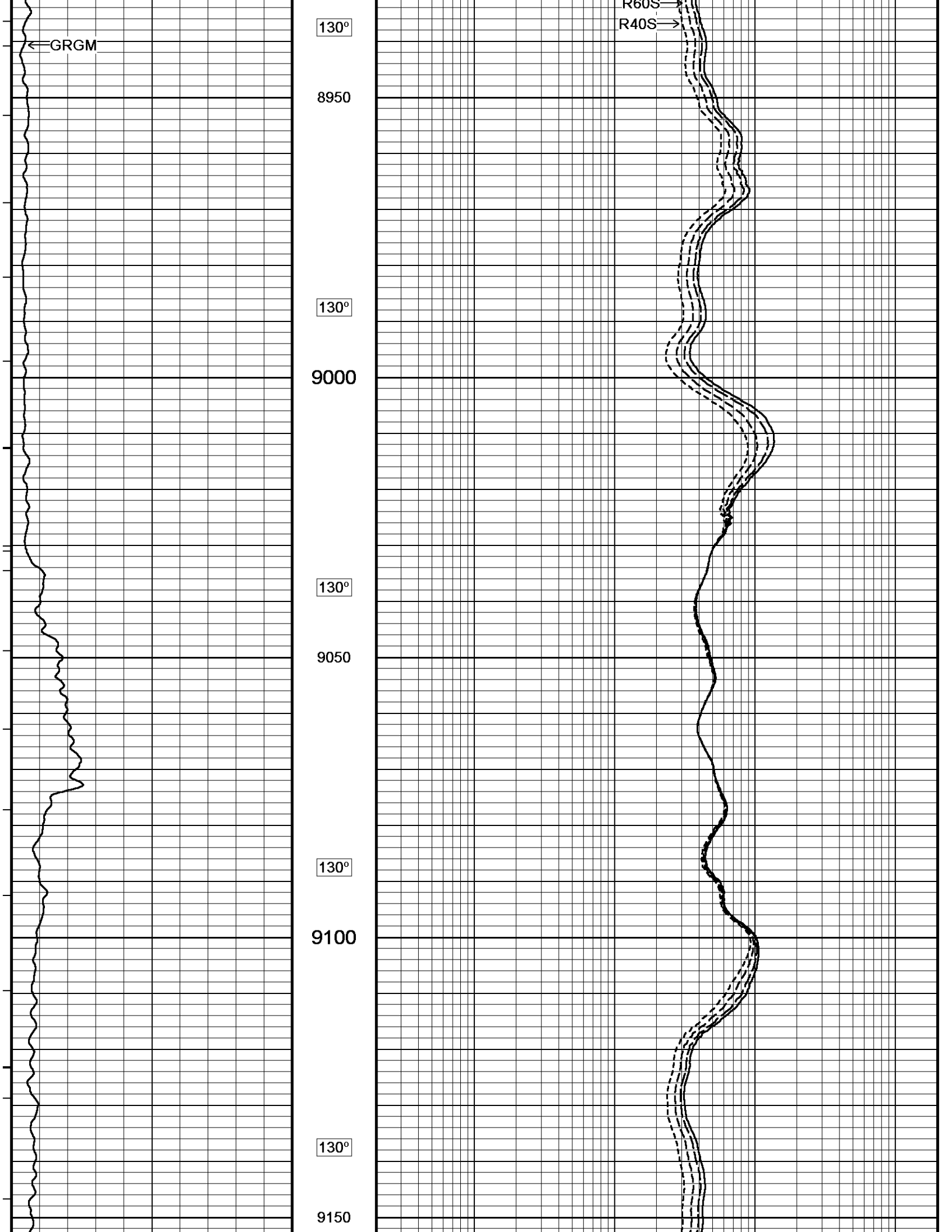
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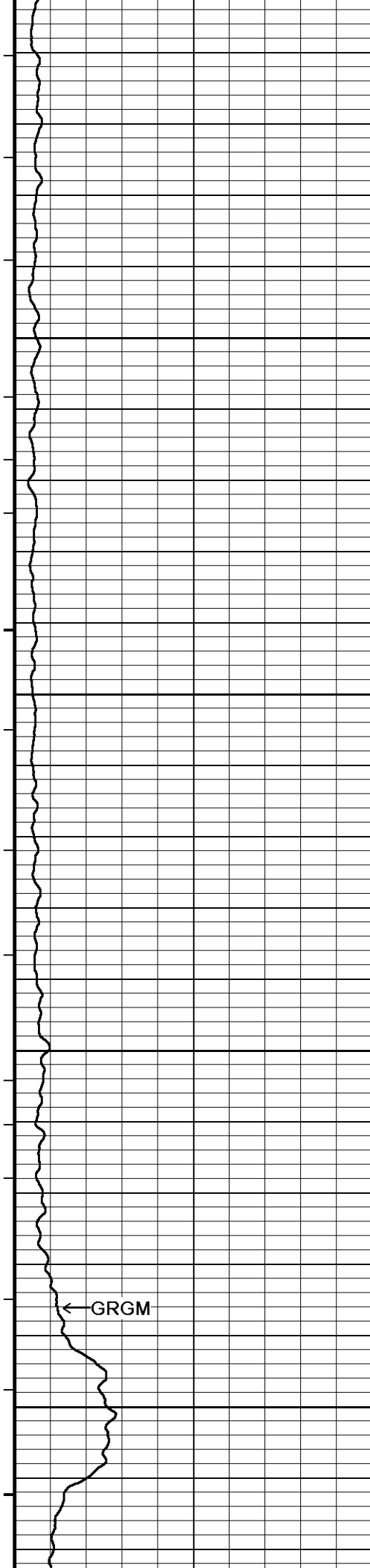


RTAS

R85S

D000





130°

9200

130°

9250

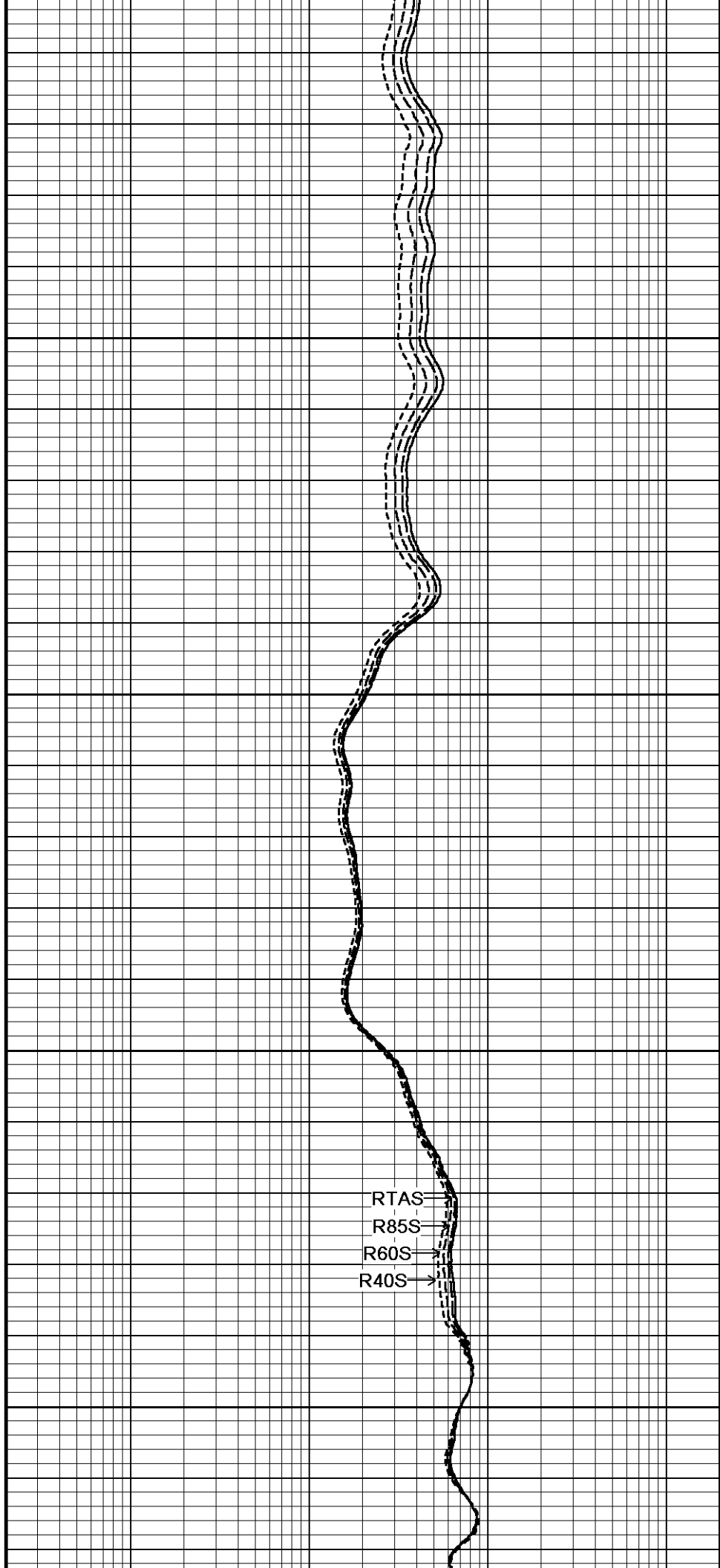
130°

9300

← GRGM

130°

9350

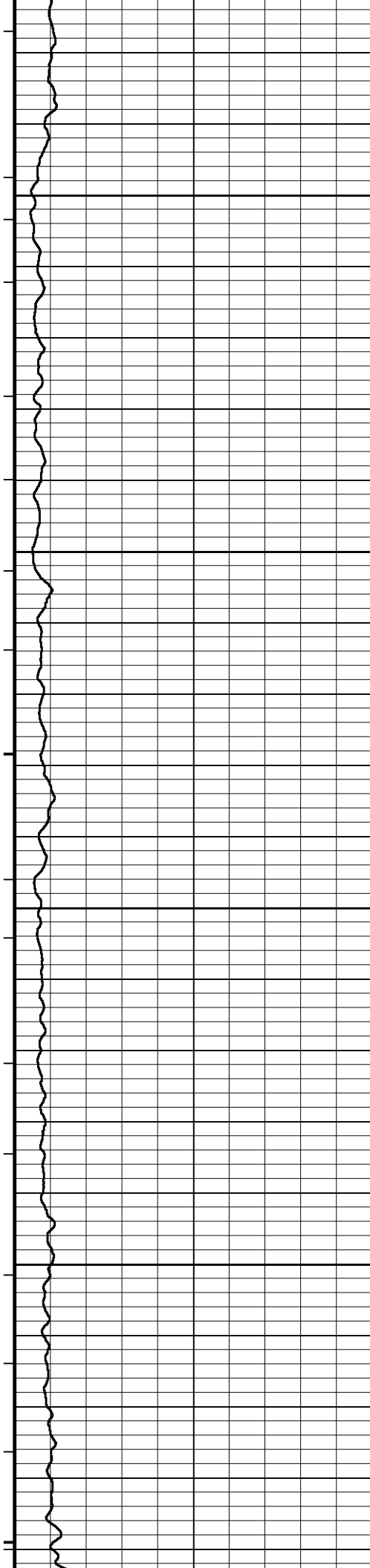


RTAS

R85S

R60S

R40S



130°

9400

130°

9450

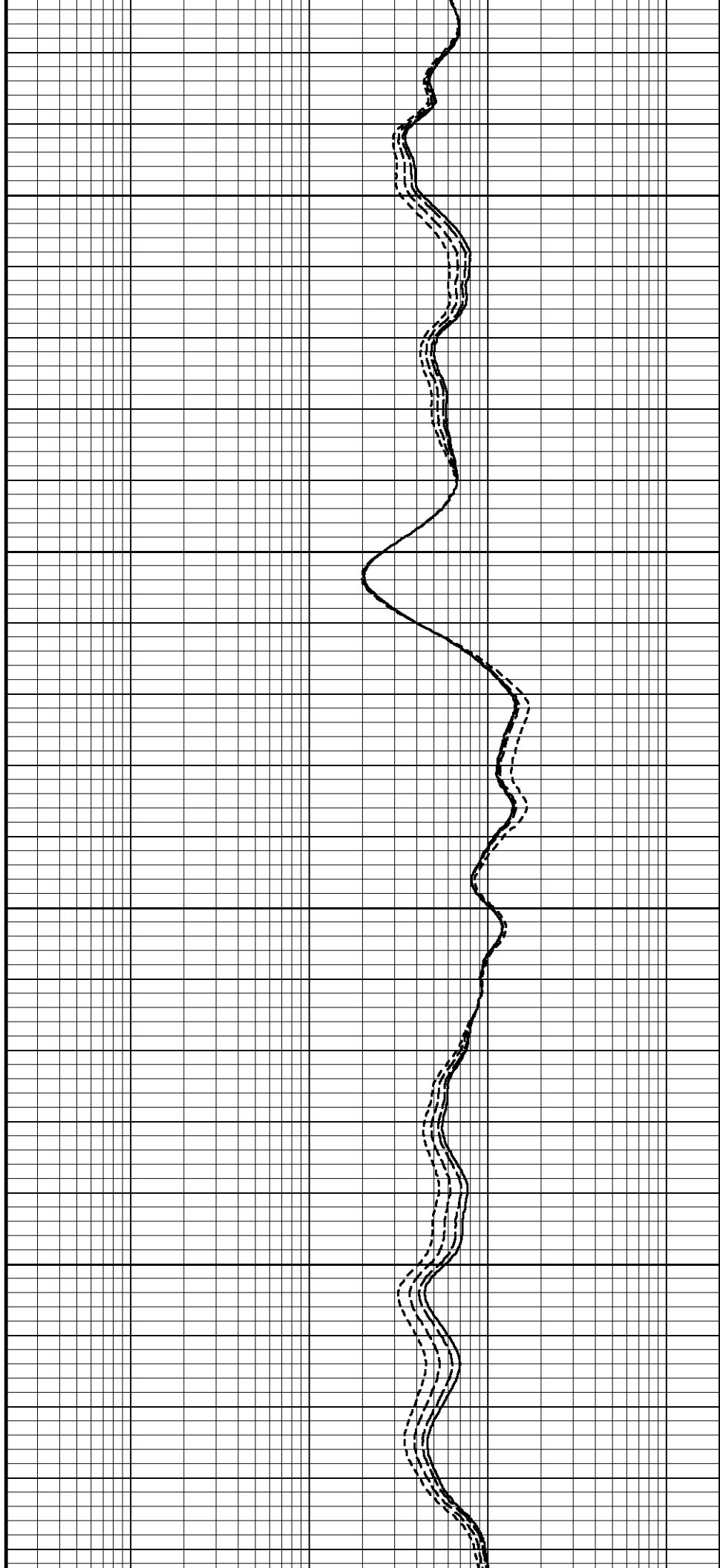
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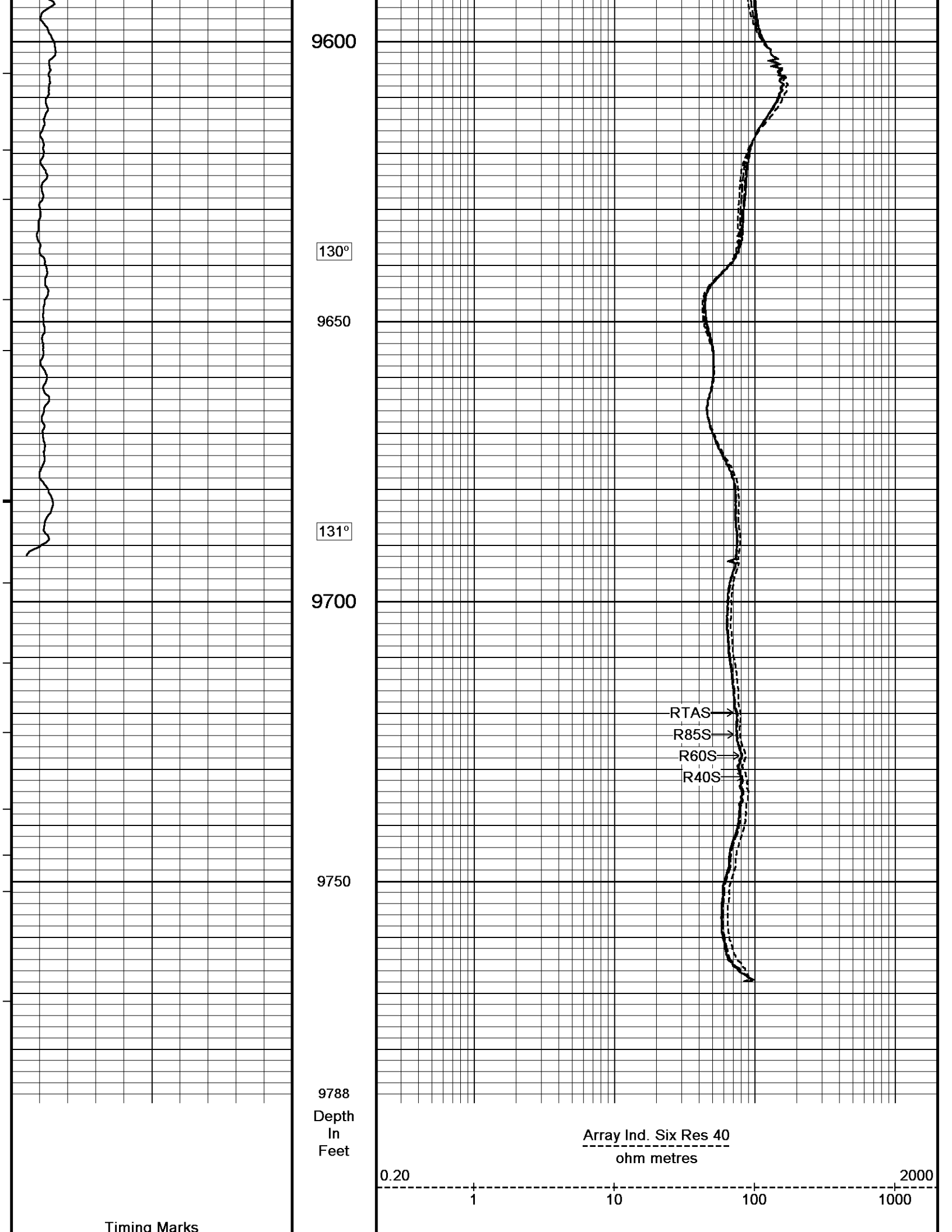
9500

130°

9550

130°





Firmware Version	2v40	
Caliper Open On	MAI	
Caliper Open Delay		minutes
Caliper Closed On	Unknown	
Caliper Closed Delay	N/A	minutes
Sample Rate	1.00	seconds
Use Deep Sleep	No	
Delay Deep Sleep	N/A	
Deep Sleep Wake Time	N/A	minutes
Deep Sleep Wake on Temperature	N/A	
Deep Sleep Wake Temperature	N/A	degrees C
Deep Sleep Wake on Pressure	N/A	
Deep Sleep Wake Pressure	N/A	psi
MMI Pad Pressure	8.0	

Release Parameters

Pulse Duration Base Level	10.0	seconds
Pulse Duration Transition Time	60.0	seconds
Pulse Duration Status Pulse From	20.0	seconds
Pulse Duration Caliper Close From	145.0	seconds
Pulse Duration Caliper Open From	150.0	seconds
Pulse Duration Release Pulse From	215.0	seconds
Pulse Duration Release Pulse To	280.0	seconds
Pulse Release Duration	240.0	seconds
Pulse Discriminator Pressure Band	1844.0	seconds
Pulse Pressure Discriminator	4220.0	seconds
Use Negative Pulsing	No	
Good Status Reply Open Hole	65535.0	seconds
Good Status Reply Cased Hole	20.0	seconds
Bad Status Reply	60.0	seconds
Status Pulse To	80.0	seconds
Caliper Close To		seconds
Caliper Open To	210.0	seconds

Configuration

MMS,MGS,MDN,MPD,MPD,MIM,MIE,MAI

SP Calibration MGS-C.J 142

	Measured	Calibrated (mV)
Reference 1	100.0	100.0
Reference 2	-100.0	-100.0

Field Calibration on 14-JAN-2013,13:13

High Resolution Temperature Calibration MGS-C.J 142

	Measured	Calibrated(Deg F)
Lower	0.00	0.00
Upper	0.00	0.00

Field Calibration on 14-JAN-2013,13:13

High Resolution Temperature Constants MGS-C.J 142

Pre-filter Length	11
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Last Edited on 14-JAN-2013,13:12

Gamma Calibration MGS-C.J 142

	Measured	Calibrated (API)
Background	45	22
Calibrator (Gross)	1872	919
Calibrator (Net)	1826	897

Field Calibration on 14-JAN-2013 13:12

Gamma Constants MGS-C.J 142

Gamma Calibrator Number	036	
Mud Density	1.01	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl	0.00	kppm

Last Edited on 15-JAN-2013,03:09

Neutron Calibration MDN-B.J 391

Base Calibration		
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Base Calibration on 02-JAN-2013 14:51

Field Check on 14-JAN-2013 13:04

	Measured	Calibrated (cps)
	Near 3090	Near 3714
	Far 94	Far 110
Ratio	32.975	33.764
Field Calibrator at Base		Calibrated (cps)
		2305 2968
Ratio		0.777
Field Check		Calibrated (cps)
		2172 3286
Ratio		0.672

Neutron Constants MDN-B.J 391			Last Edited on 14-JAN-2013,12:57	
Neutron Source Id	N1055			
Neutron Jig Number	N639			
Epithermal Neutron	No			
Caliper Source for Processing	Density Caliper			
Stand-off	0.00	inches		
Mud Density	1.01	gm/cc		
Limestone Sigma	7.10	cu		
Sandstone Sigma	4.26	cu		
Dolomite Sigma	4.70	cu		
Formation Pressure Source	Constant Value			
Formation Pressure	1.80	kpsi		
Temperature Source	MGS External Temperature			
Temperature	N/A	degrees F		
Mud Salinity	4.40	kppm		
Salinity Correction	Not Applied			
Formation Fluid Salinity Source	None			
Formation Fluid Salinity	N/A	kppm		
Barite Mud Correction	Not Applied			

Accelerometer Parameters MIE-A.A 209			
Date Of Last Accelerometer Calibration	22-NOV-2010,09:26		
	X Accelerometer	Y Accelerometer	Z Accelerometer
Slope	-1.113214	-1.109979	-1.101653
Offset	0.005467	0.005399	0.010368

Accelerometer Constants MIE-A.A 209			Last Edited on 01-NOV-2012,11:04		
Accelerometer Calibrator Number		000			
Accelerometer Temperature Characterisation					
X Accelerometer					
Serial Number		826			
Calibration Date		18-Mar-2009			
	B0	B1	B2	B3	
Bias(g)	0.00000e+000	2.32377e-005	-1.87334e-008	9.07324e-011	
	SF0	SF1	SF2	SF3	
Scale Factor(mA/g)	3.00000e+000	2.71389e-004	4.55326e-007	4.58364e-010	
Y Accelerometer					
Serial Number		617			
Calibration Date		11-May-2008			
	B0	B1	B2	B3	
Bias(g)	0.00000e+000	1.76675e-005	6.93464e-010	2.98691e-011	
	SF0	SF1	SF2	SF3	
Scale Factor(mA/g)	3.00000e+000	2.56882e-004	5.72598e-007	2.37496e-010	
Z Accelerometer					
Serial Number		844			
Calibration Date		20-Mar-2009			
	B0	B1	B2	B3	
Bias(g)	0.00000e+000	-1.21769e-005	-1.46867e-008	-6.44015e-011	
	SF0	SF1	SF2	SF3	
Scale Factor(mA/g)	3.00000e+000	2.73539e-004	4.65657e-007	2.88996e-010	

Caliper Calibration MIE-A.A 209		Base Calibration on 01-NOV-2012 11:15	
Base Calibration		Field Calibration on 28-DEC-2012 09:56	

Base Calibration					
Reading No	Pads 1-5 Meas.	Pads 3-7 Meas.	Calibrator Size (in)		
1	27539	27183	5.96		
2	37417	37822	7.98		
3	47722	47889	9.94		
4	58629	58915	11.90		
5	0	0	0.00		
Reading No	Pad 2 Meas.	Pad 4 Meas.	Pad 6 Meas.	Pad 8 Meas.	Calibrator Size (in)
1	24721	25004	25023	25995	5.96
2	33682	34183	33040	34247	7.98
3	42423	42654	41565	43051	9.94
4	52069	52344	50876	52199	11.90
5	0	0	0	0	0.00
Field Calibration					
	Measured Pads 1-5 Caliper(in) 5.71	Measured Pads 3-7 Caliper(in) 6.01	Actual Caliper(in) 6.00		
	Measured Pad 2 Caliper(in) 2.78	Measured Pad 4 Caliper(in) 3.21	Measured Pad 6 Caliper(in) 3.07	Measured Pad 8 Caliper(in) 2.64	Actual Caliper(in) 6.00
Caliper Constants MIE-A.A 209					
Caliper Difference for BRKT			0.120	inches	
Magnetometer Parameters MIE-A.A 209					
Date Of Last Magnetometer Calibration		31-JAN-2011,14:54			
	X Magnetometer	Y Magnetometer	Z Magnetometer		
Slope	-1.000000	-1.013594	-1.010431		
Offset	0.007616	0.016371	0.012246		
Magnetometer Constants MIE-A.A 209					
Magnetometer Calibrator Number					000
Navigation Constants MIE-A.A 209					
Magnetic Declination		0.00	degrees	East	
Compact Micro Imager Constants MIE-A.A 209					
Sonde Configuration		Imager Mode			
Arm-Pad Kit		Normal Pads (12.25 in)			
Arm-Pad Kit Serial Number					
Centre Pad 1 Rotational Offset		0.00	degrees		
Image/Borehole Ovality Reference		Azimuth of Pad 1			
Non Active Buttons		Omit			
Search Angle		0.00	degrees		
Correlation Interval		1.00	metres		
Correlation Step		0.50	metres		
Current Offset		0.0000	mAmp		
Squasher Start		0.0500	mAmp		
Image Processing		Enabled			
High Resolution Temperature Calibration MAI-A.A 170					
	Measured	Calibrated(Deg F)			
Lower	0.00	10.00			
Upper	100.00	100.00			
High Resolution Temperature Constants MAI-A.A 170					
Pre-filter Length		11			
Induction Calibration MAI-A.A 170					
Base Calibration			Base Calibration on 02-FEB-2012 17:42		
Test Loop Calibration			Field Check on 14-JAN-2013 12:48		
	Measured	Calibrated (mmho/m)			
Channel	Low	High	Low	High	
1	17.7	487.1	9.3	966.2	
2	6.2	384.7	7.6	821.4	

3	3.7	266.1	5.2	566.0
4	2.2	136.5	2.6	279.2
Array Temperature		72.1	Deg F	
Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1	0.0	0.0	9.2	3748.6
2	0.0	0.0	29.4	3527.1
3	0.0	0.0	27.2	2995.5
4	0.0	0.0	18.5	2041.4
Deep			15.4	1904.2
Medium			41.1	3979.3
Shallow			45.5	5287.5
Array Temperature		0.0	28.1	Deg F

Induction Constants MAI-A.A 170

Last Edited on 17-JAN-2013,20:23

Induction Model		RtAP-WBM	
Caliper for Borehole Corr.		Bit Size	
Hole Size for Borehole Correction		N/A	inches
Tool Centred		No	
Stand-off Type		Fins	
Stand-off		0.50	inches
Number of Fins on Stand-off		6.0000	
Stand-off Fin Angle		60.00	degrees
Stand-off Fin Width		0.5000	inches
Borehole Corr. Rm Source		Temperature Corr	
Temp. for Rm Corr.	MGS	External Temperature	
Squasher Start		0.0060	mhos/metre
Squasher Offset		N/A	mhos/metre
Borehole Normalisation			
DRM1	0.0000	DRC1	0.0000
DRM2	0.0000	DRC2	0.0000
MRM1	0.0000	MRC1	0.0000
MRM2	0.0000	MRC2	0.0000
SRM1	0.0000	SRC1	0.0000
SRM2	0.0000	SRC2	0.0000
Calibration Site Corrections			
Channel 1		0.00	mmhos/metre
Channel 2		0.00	mmhos/metre
Channel 3		0.00	mmhos/metre
Channel 4		0.00	mmhos/metre
Apparent Porosity and Water Saturation Constants			
Archie Constant (A)		1.00	
Cementation Exponent (M)		2.00	
Saturation Exponent (N)		2.00	
Saturation of Water for Apor		100.00	percent
Resistivity of Water for Apor and Sw		0.05	ohm-m
Resistivity of Mud Filtrate for Sw		0.00	ohm-m
Source for Rt		0.00	
Source for Rxo		0.00	

Caliper Calibration MPD-B 166

Base Calibration on 02-JAN-2013 13:59

Field Calibration on 04-JAN-2013 12:08

Base Calibration		
Reading No	Measured	Calibrator Size (in)
1	13888	4.02
2	22271	6.00
3	30944	8.03
4	38940	10.02
5	48352	12.01
6	N/A	N/A
Field Calibration		
	Measured Caliper (in)	Actual Caliper (in)
	5.79	5.96

Density Calibration

Base Calibration

	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	49795	21888	59869	31110
Reference 2	20626	2381	24557	2522

Field Check at Base

1172.4 1342.2

Field Check

1176.3 1345.5

PE Calibration

Base Calibration

	WS	Measured		Calibrated Ratio
		WH	Ratio	
Background	212	1049		
Reference 1	20253	49611	0.413	0.369
Reference 2	5714	20492	0.283	0.271

Field Check at Base

211.9 1049.4

Field Check

215.1 1055.9

Density Constants MPD-B 166

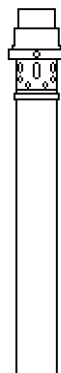
Last Edited on 05-JAN-2013,01:11

Density Source Id	236	
Nylon Calibrator Number	633	
Aluminium Calibrator Number	633	
Density Shoe Profile	4 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.01	gm/cc
Mud Density Z/A Multiplier	1.11	
Mud Filtrate Density	1.00	gm/cc
Dry Hole Mud Filtrate Density	1.00	gm/cc
DNCT	0.00	gm/cc
CRCT	0.00	gm/cc
Density Z/A Correction	Hybrid	
Matrix Density (gm/cc)	Depth (ft)	
2.71	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	

DOWNHOLE EQUIPMENT

C:\DATA_13_04_8492\SANDRIDGE COACH 2925 1-26H\SANDRIDGE COACH 2925 1-26H RTAP DEPTH.dta

Shuttle Running Tool 3.5")
SRT-A.A 69 LG: 6.62 ft WT: 37.5 lb OD: 2.52 in



SKJ-E.B Compact Knuckle Joint
SKJ-E.B 472 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

Spacer
MLK-A 2 LG: 14.23 ft WT: 30.9 lb OD: 2.24 in

Spacer
MLK-A 3 LG: 14.23 ft WT: 30.9 lb OD: 2.24 in

MBS-G.A 200v Compact Battery Sub
MBS-G.A 119 LG: 17.06 ft WT: 123.5 lb OD: 2.24 in

Compact Memory Sub E.B
MMS-E.B 133 LG: 5.20 ft WT: 37.5 lb OD: 2.24 in

Compact Tool Isolator sub.
MTI-B.A 76 LG: 1.54 ft WT: 13.2 lb OD: 2.24 in

Compact Short Gamma
MGS-C.J 142 LG: 3.41 ft WT: 24.3 lb OD: 2.24 in



83.57 ft GRGM - MGS Gamma Ray

MCS-G.B 712 LG: 3.17 ft WT: 21.9 lb OD: 2.24 in

Compact Collar Locator
MCL-B.J 63 LG: 3.17 ft WT: 26.5 lb OD: 2.24 in

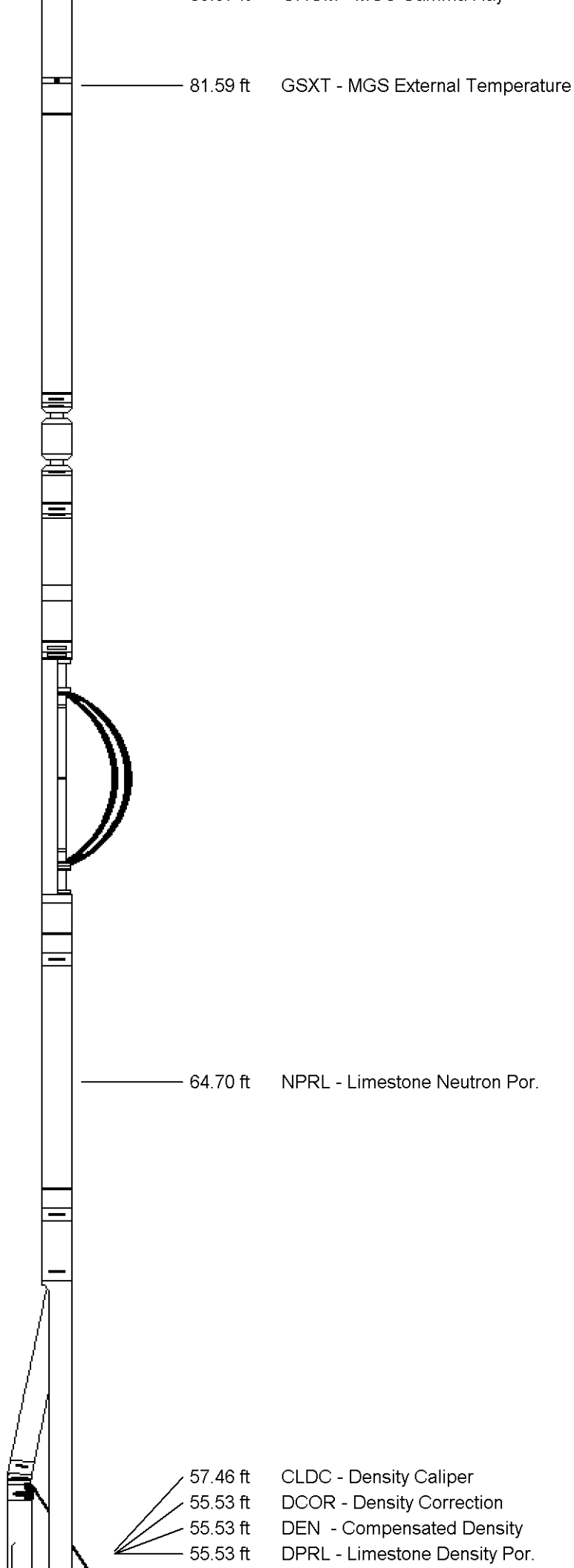
SKJ-E.B Compact Knuckle Joint
SKJ-E.B 479 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

SHA-J.A Compact Swivel Head Adaptor
SHA-J.A 451 LG: 2.30 ft WT: 22.0 lb OD: 2.24 in

MIS-D.B Compact Inline Bowspring sub
MIS-D.B 608 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in

Compact Neutron
MDN-B.J 391 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

Compact Density/Caliper
MPD-B 166 LG: 9.59 ft WT: 90.4 lb OD: 2.24 in



55.47 ft PDPE - PE

MIS-D.B Compact Inline Bowspring sub

MIS-D.B 607 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in

SHA-J.A Compact Swivel Head Adaptor

SHA-J.A 438 LG: 2.30 ft WT: 22.0 lb OD: 2.24 in

SKJ-E.B Compact Knuckle Joint

SKJ-E.B 478 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

MIS-D.B Compact Inline Bowspring sub

MIS-D.B 593 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in

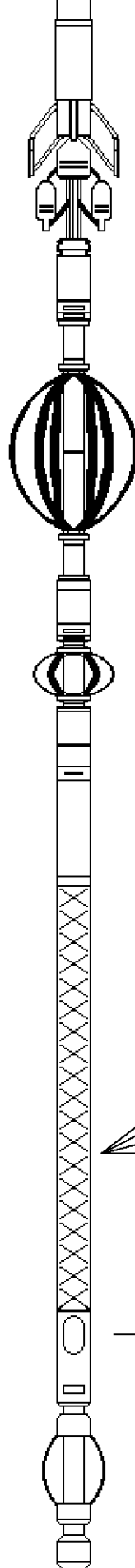
Compact MMI Memory Section

MIM-B.A 251 LG: 4.65 ft WT: 26.5 lb OD: 2.24 in

Compact MMI Electrode Section

MIE-A.A 209 LG: 13.96 ft WT: 99.2 lb OD: 4.09 in





MIS-D.A Compact Inline Bowspring sub
MIS-D.A 285 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in

MIS-E.B Compact Inline Standoff sub
MIS-E.B 597 LG: 2.14 ft WT: 15.4 lb OD: 2.24 in

Compact Induction
MAI-A.A 170 LG: 12.52 ft WT: 48.5 lb OD: 2.24 in

- 3.34 ft R40S - Array Ind. Six Res 40
- 3.34 ft R60S - Array Ind. Six Res 60
- 3.34 ft R85S - Array Ind. Six Res 85
- 3.34 ft RTAS - Array Ind. Six Res Rt

Tool Zero (1.84ft from bottom)

WELL COACH 2925 1-26H
FIELD MINELOA
PROVINCE/COUNTY FORD
COUNTRY/STATE U.S.A. / KANSAS

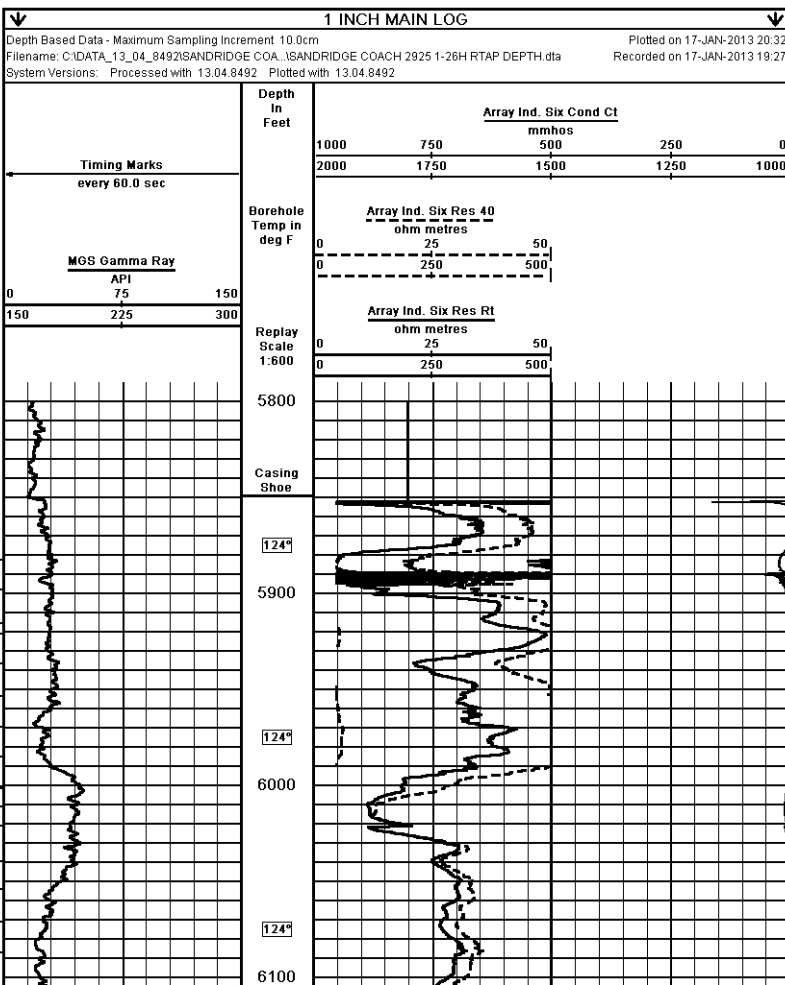
Elevation Kelly Bushing	2608.00	feet	First Reading	9760.00	feet
Elevation Drill Floor	2608.00	feet	Depth Driller	9790.00	feet
Elevation Ground Level	2588.00	feet	Depth Logger	9790.00	feet

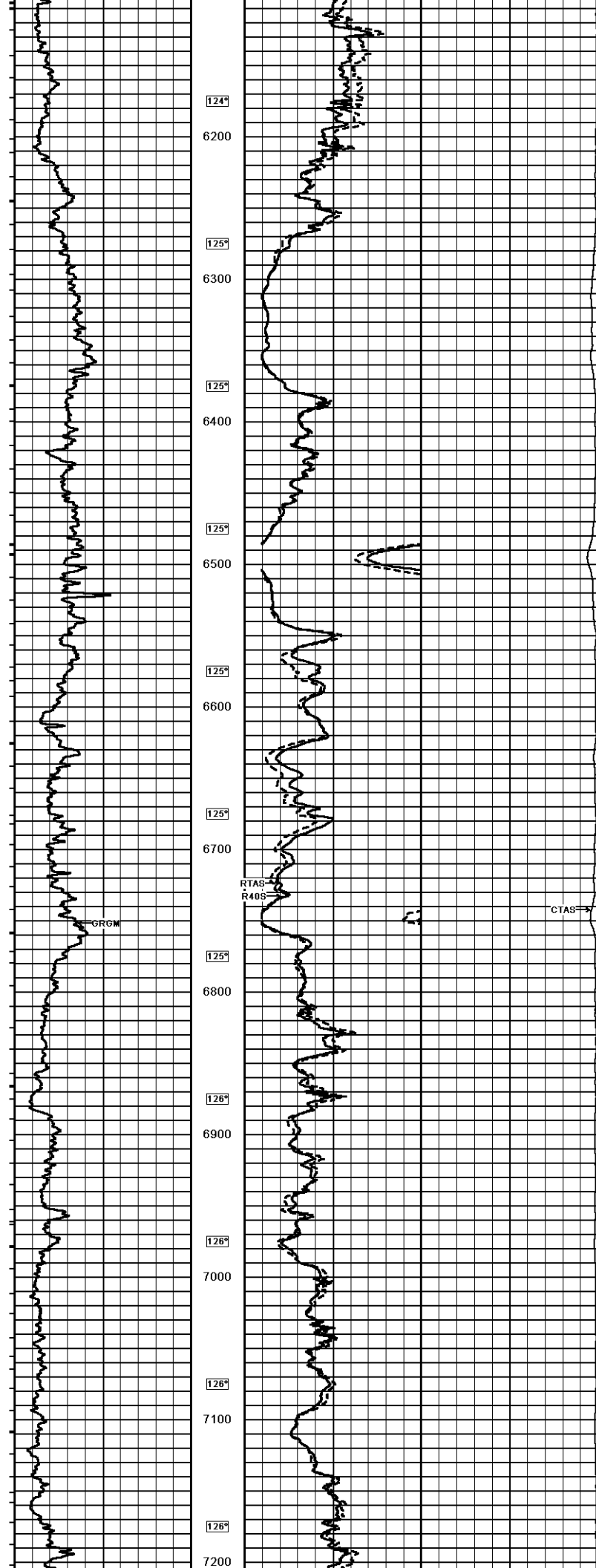


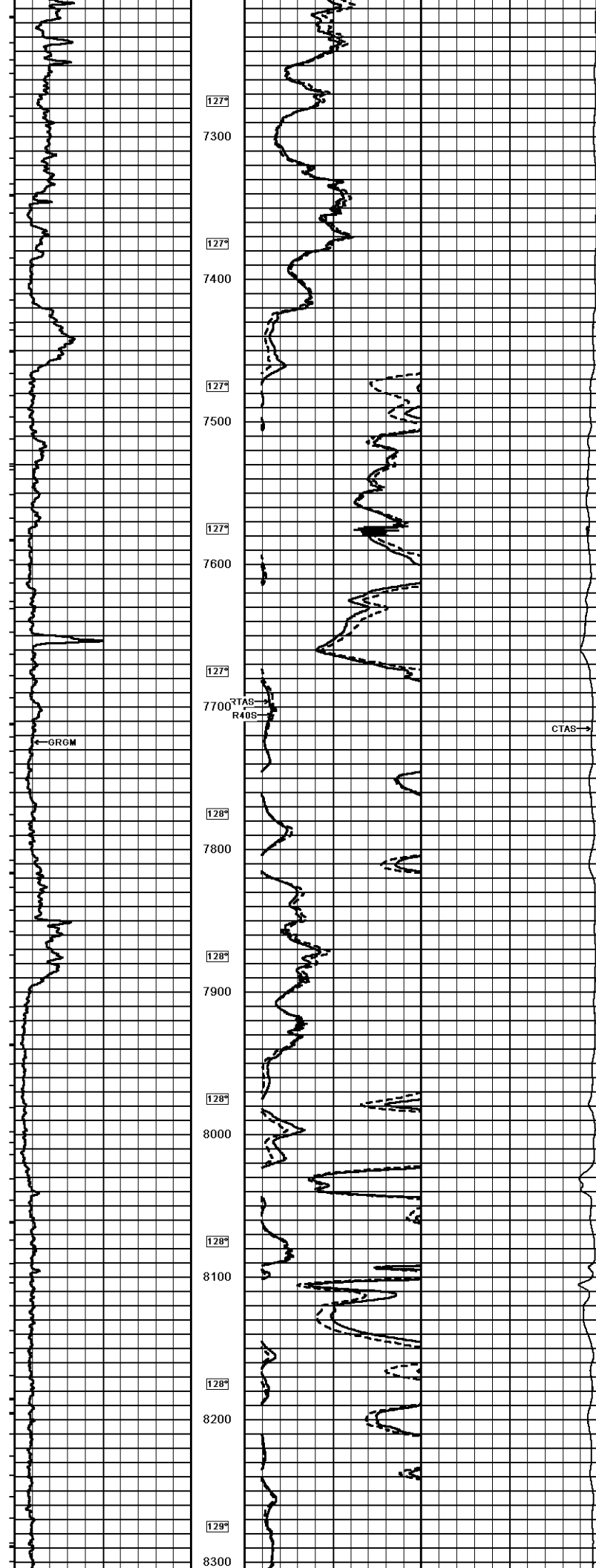
CML MESSENGER SHUTTLE ARRAY INDUCTION

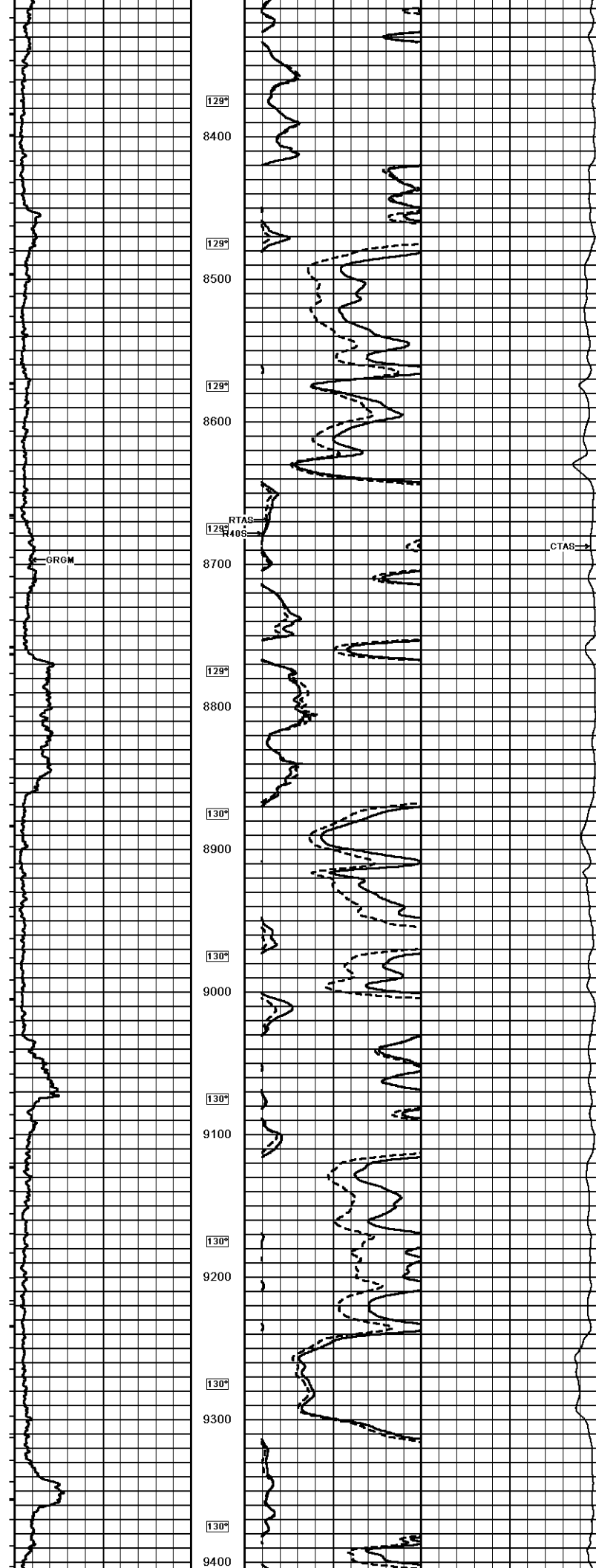
Weatherford®

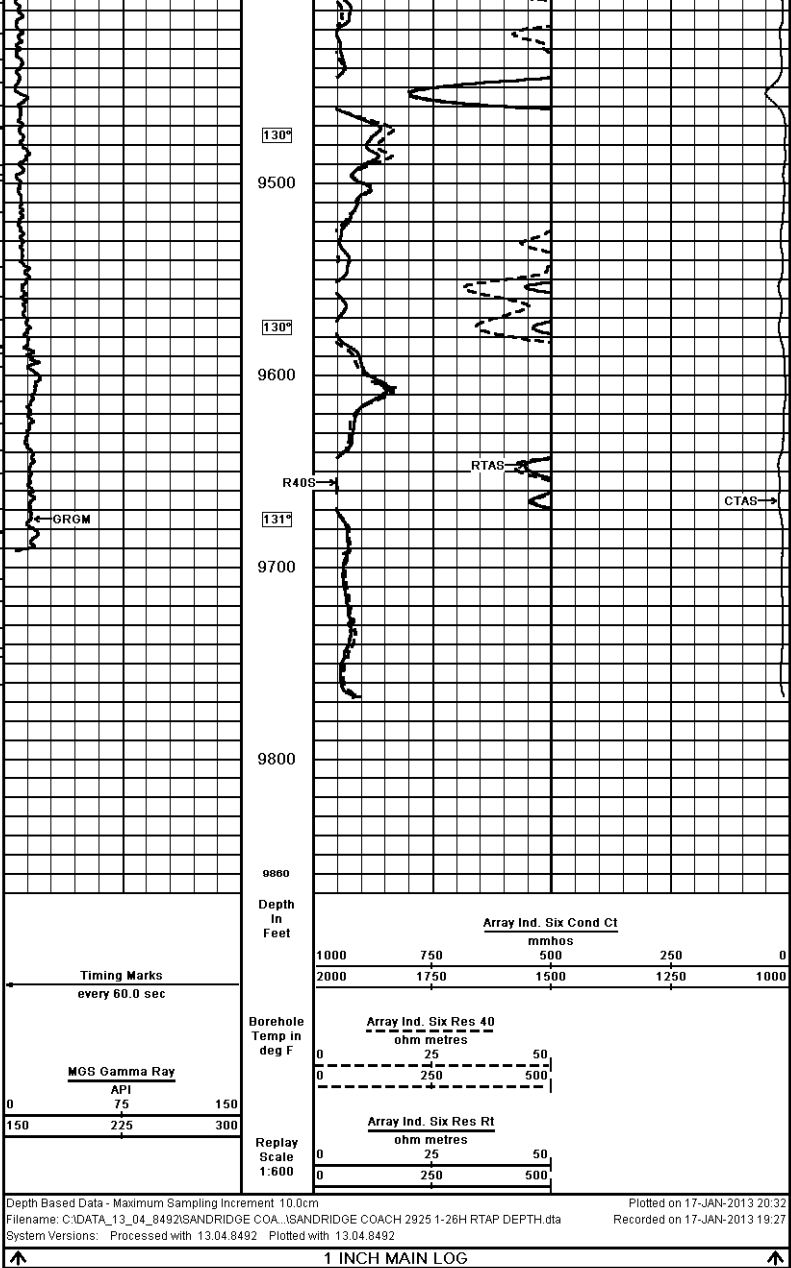
Weatherford		CML MESSENGER SHUTTLE ARRAY INDUCTION	
COMPANY SANDRIDGE ENERGY		WELL COACH 2925 1-26H	
FIELD MINELOA		PROVINCE/COUNTY FORD	
COUNTRY/STATE U.S.A. / KANSAS		LOCATION 220' FSL & 505' FEL	
SEC 26	TIME 2:05	DATE 12/05/2008	Other Services
Run Number 15067/20080	Run Number 15067/20080	Run Number 15067/20080	Run Number 15067/20080
Permanent Datum 0.1, Elevation 2588 feet		Log Measured From KB @ 20 FEET	
Drilling Measured From KB @ 20 FEET		Date 16-JAN-2013	
Run Number 35395/29		Service Order ONE	
Depth Driller 9790.00		Depth Logger 9790.00	
First Reading 9790.00		Last Reading 9790.00	
Casing Driller 5849.00		Casing Logger 5849.00	
Bit Size 6.125		Hole Fluid Type WBM	
Hole Fluid Type WBM		Density / Viscosity 8.60 lbu/sq 30.00 CP	
PH / Fluid Loss 9.00		Sample Source FLOWLINE	
Run @ Measured Temp 0.86 @ 12.0		Run @ Measured Temp 0.86 @ 12.0	
Run @ Measured Temp 1.03 @ 12.0		Run @ Measured Temp 1.03 @ 12.0	
Source Rmt / Rmc CALC		Run @ BHT 0.41 @ 31.0	
Time Since Circulation 1 HOUR		Max Recorded Temp 131.00	
Equipment / Base 118077		Recorded By STEVEN TOTTEY	
Witnessed By JARRET BORELL		OC 12518	











COMPANY		SANDRIDGE ENERGY			
WELL		COACH 2925 1-26H			
FIELD		MINELOA			
PROVINCE/COUNTY		FORD			
COUNTRY/STATE		U.S.A. / KANSAS			
Elevation Kelly Bushing	2608.00	feet	First Reading	9760.00	feet
Elevation Drill Floor	2608.00	feet	Depth Driller	9790.00	feet
Elevation Ground Level	2588.00	feet	Depth Logger	9790.00	feet
 CML MESSENGER SHUTTLE ARRAY INDUCTION					