Weatherford®

CML MESSENGER SHUTTLE
ARRAY INDUCTION
LOG

COMPANY	Sandridge Energy
WELL	Sean 3119 2-18H
FIELD	
PROVINCE/COUNTY	Comanche
COUNTRY/STATE	U.S.A. / Oklahoma
LOCATION	250' FNL & 900' FEL

SEC	TWP	RGE	Other Services
19	31S	19W	MPD/MDN

API Number 15-033-21652
Permit Number

Permanent Datum G.L., Elevation 2181 feet
Log Measured From KB
Drilling Measured From K.B. @ 18 FEET

Elevations:	feet
KB	2201.00
DF	2200.00
GL	2181.00

Date	26-JUL-2012		
Run Number	ONE		
Depth Driller	10066.00	feet	
Depth Logger	10063.00	feet	
First Reading	10028.00	feet	
Last Reading	5100.00	feet	
Casing Driller	5623.00	feet	
Casing Logger	5604.00	feet	
Bit Size	6.125	inches	
Hole Fluid Type	WBM		
Density / Viscosity	8.60 g/c3	27.00 CP	
PH / Fluid Loss	8.50	60.00 ml/30Min	
Sample Source	FLOWLINE		
Rm @ Measured Temp	1.06 @ 86.0	ohm-m	
Rmf @ Measured Temp	0.85 @ 86.0	ohm-m	
Rmc @ Measured Temp	1.27 @ 86.0	ohm-m	
Source Rmf / Rmc	CALC	CALC	
Rm @ BHT	0.69 @132.0	ohm-m	
Time Since Circulation	1 HOUR		
Max Recorded Temp	132.00	deg F	
Equipment Name	COMPACT		
Equipment / Base	18077	OKC	
Recorded By	STEVEN TOTTEY		
Witnessed By	KATHY GENTRY		
S.O. # /AFE #	3536726		DC 12087

BOREHOLE RECORD

Last Edited: 27-JUL-2012 23:10

Bit Size inches	Depth From feet	Depth To feet
6.125	5623.00	10066.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
INTER	7.000	0.00	5623.00	23.00

REMARKS

TOOLS RAN: 200V SRT-69,MBS-115,SKJ-207,MMSE158,SHA-167,MTI-061,
MGS-136,MCL-069,SKJ-479,SHA-431,MIS-606,MDN-391,MPD-394,MIS-275,SHA-434,SKJ-478,MISB 336, MFE-175,MISB-336,MAI-392 RAN
IN COMBINATION

HARDWARE: MAI: MIS-B 0.5" STANDOFF USED ABOVE MAI, ISA 0.5" STANDOFF USED BELOW MAI.
MDN: MIS-A DOUBLE BOWSPRING USED ABOVE MDN.
MPD: 4INCH PROFILE PLATE USED, MIS-A SINGLE BOWSPRING USED BELOW MPD

2.71 G/C:C DENSITY MATRIX USED TO CALCULATE POROSITY
ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST.

DRILL PIPE DEPTH DURING DEPLOYMENT: 9938
LOGGING TOOL DEPTH AFTER DEPLOYMENT: 10028

ANNULAR HOLE VOLUME CALCULATED USING WITH 4.5 INCH PRODUCTION CASING

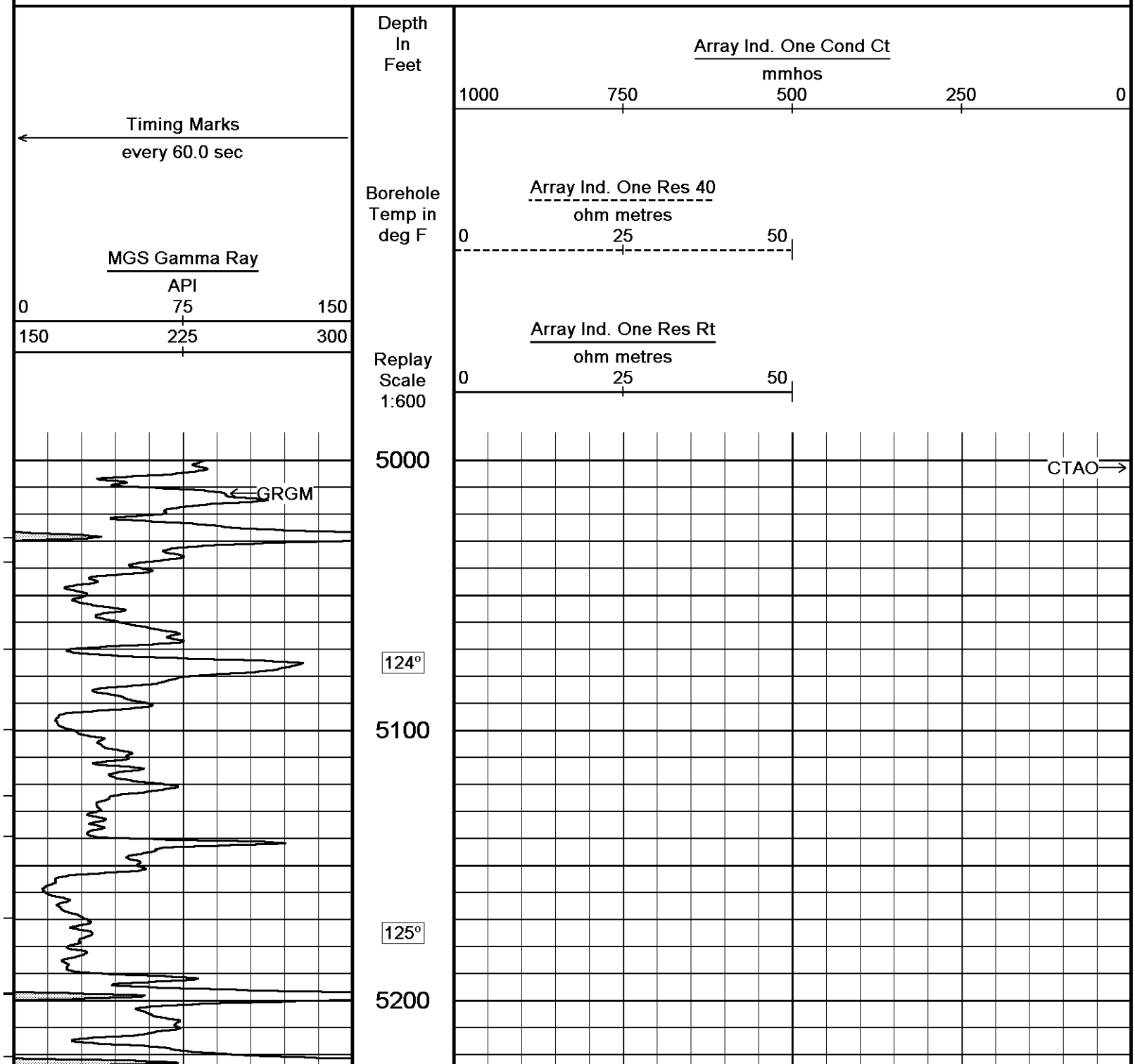
SERVICE ORDER # 3536726
RIG: LARAIT #45

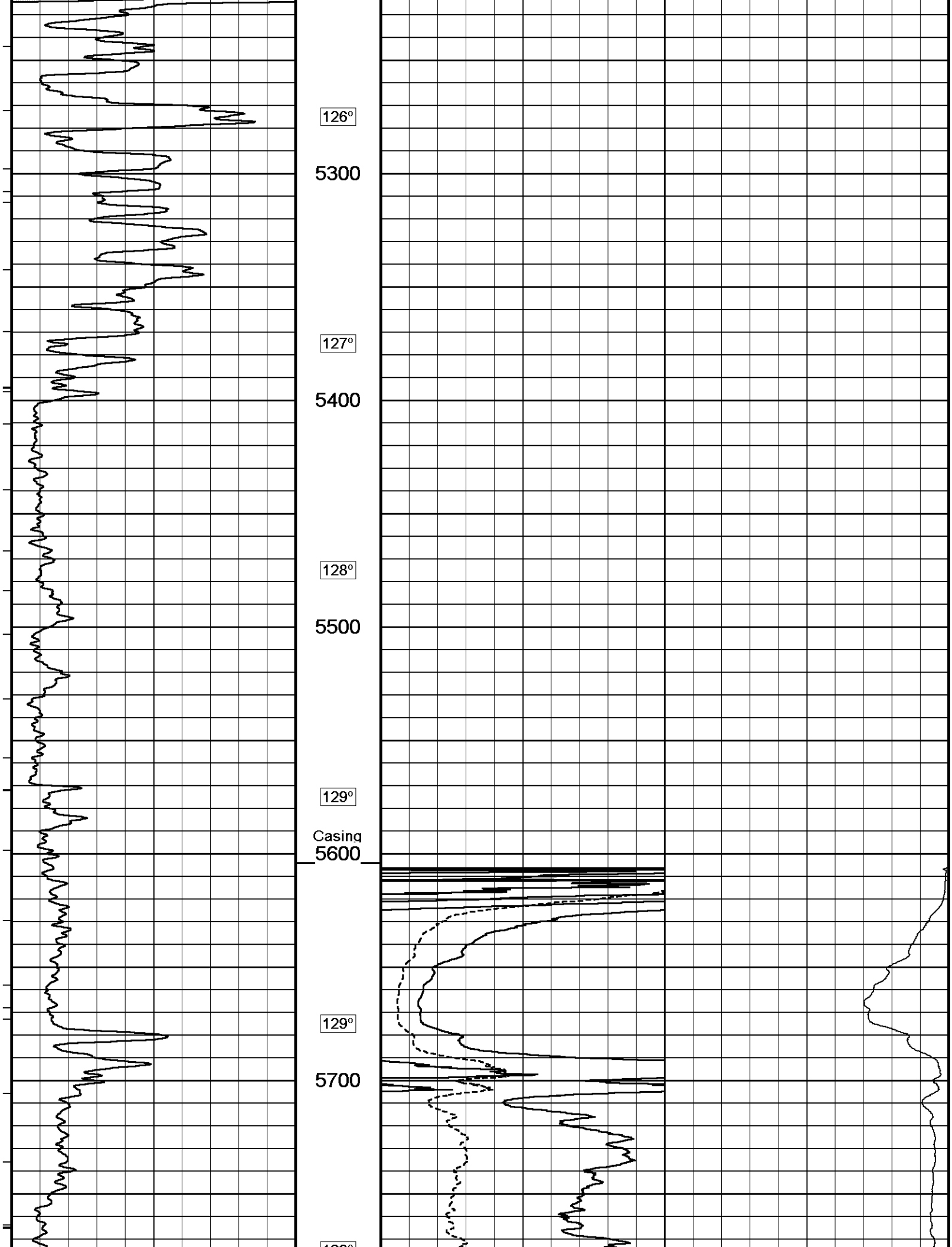
OPERATOR(S): P. BURGER AND MAX

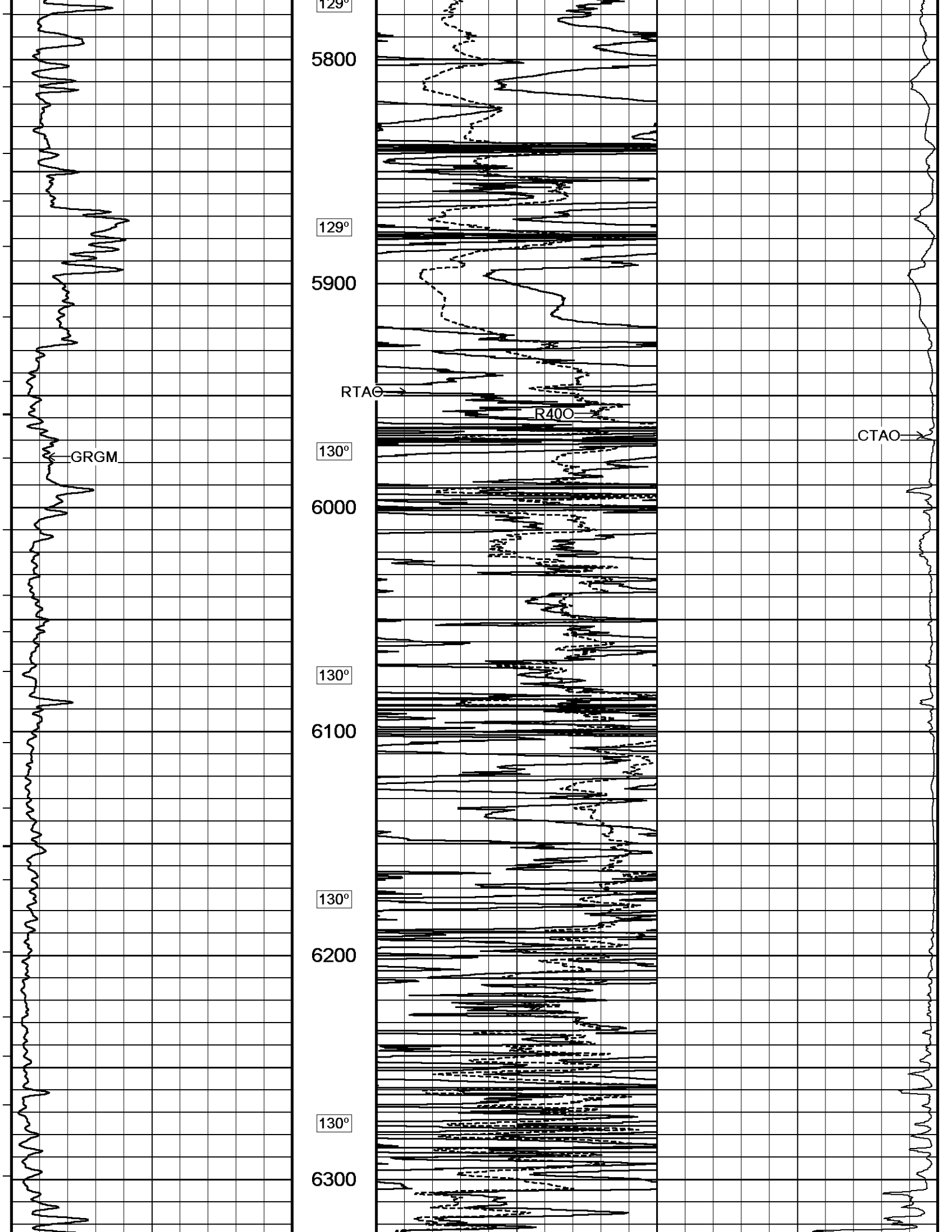
HOLE RUGOSITY MAY AFFECT LOG QUALITY.

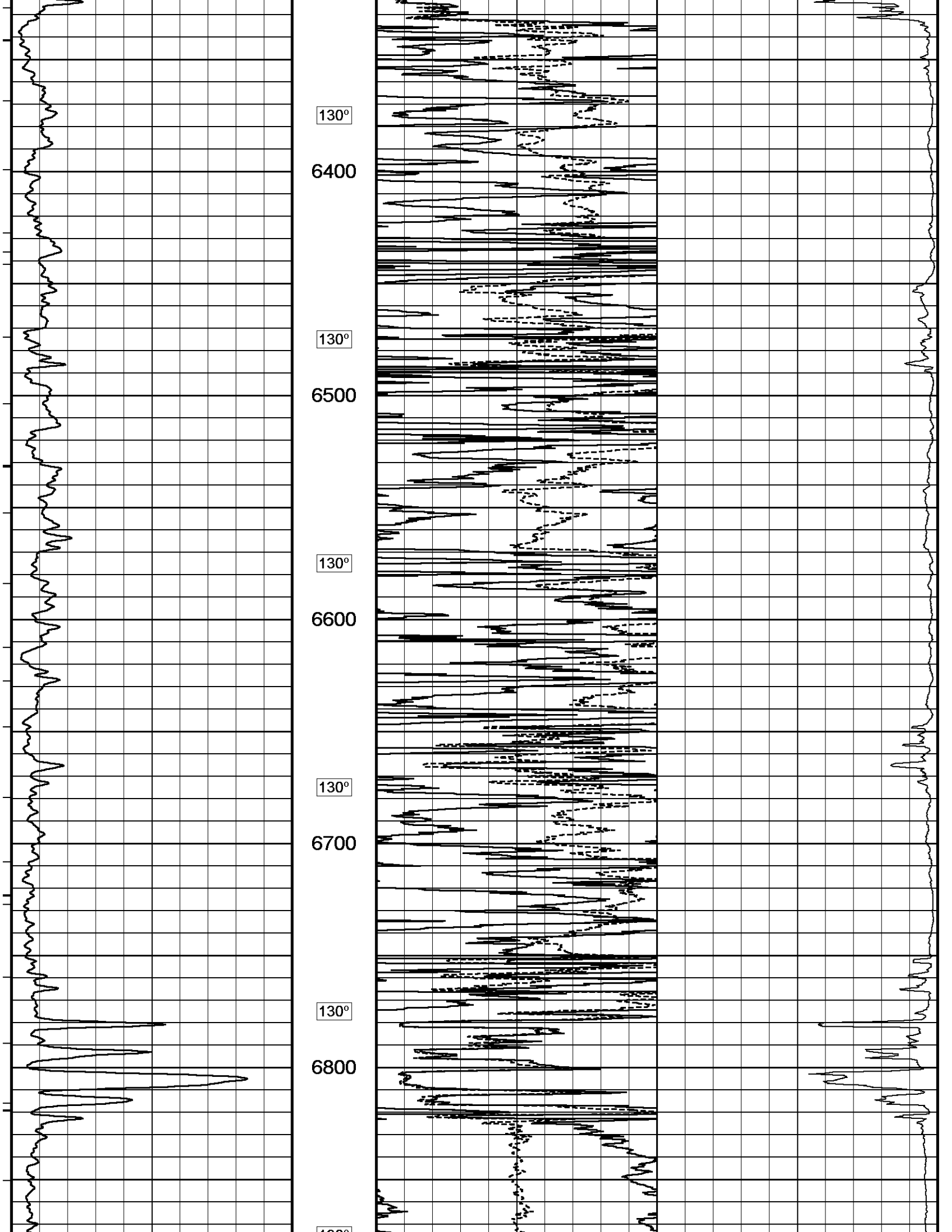
2 INCH MAIN LOG

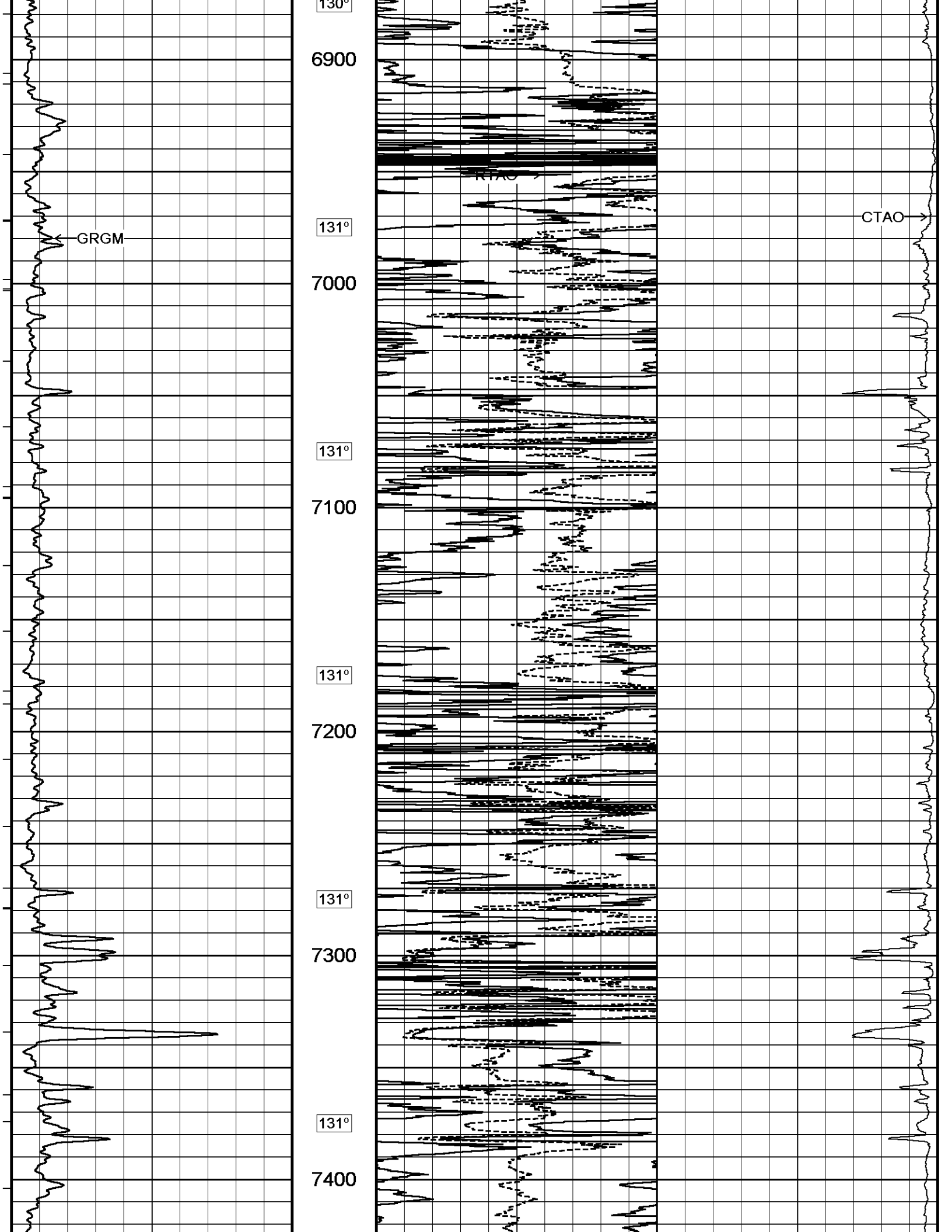
Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 27-JUL-2012 23:24
Filename: C:\Data\SANDRIDGE SEAN 3119 2-18H\rtap sandridge depth.dta
Recorded on 27-JUL-2012 22:25
System Versions: Processed with 13.02.6600 Plotted with 13.02.6600

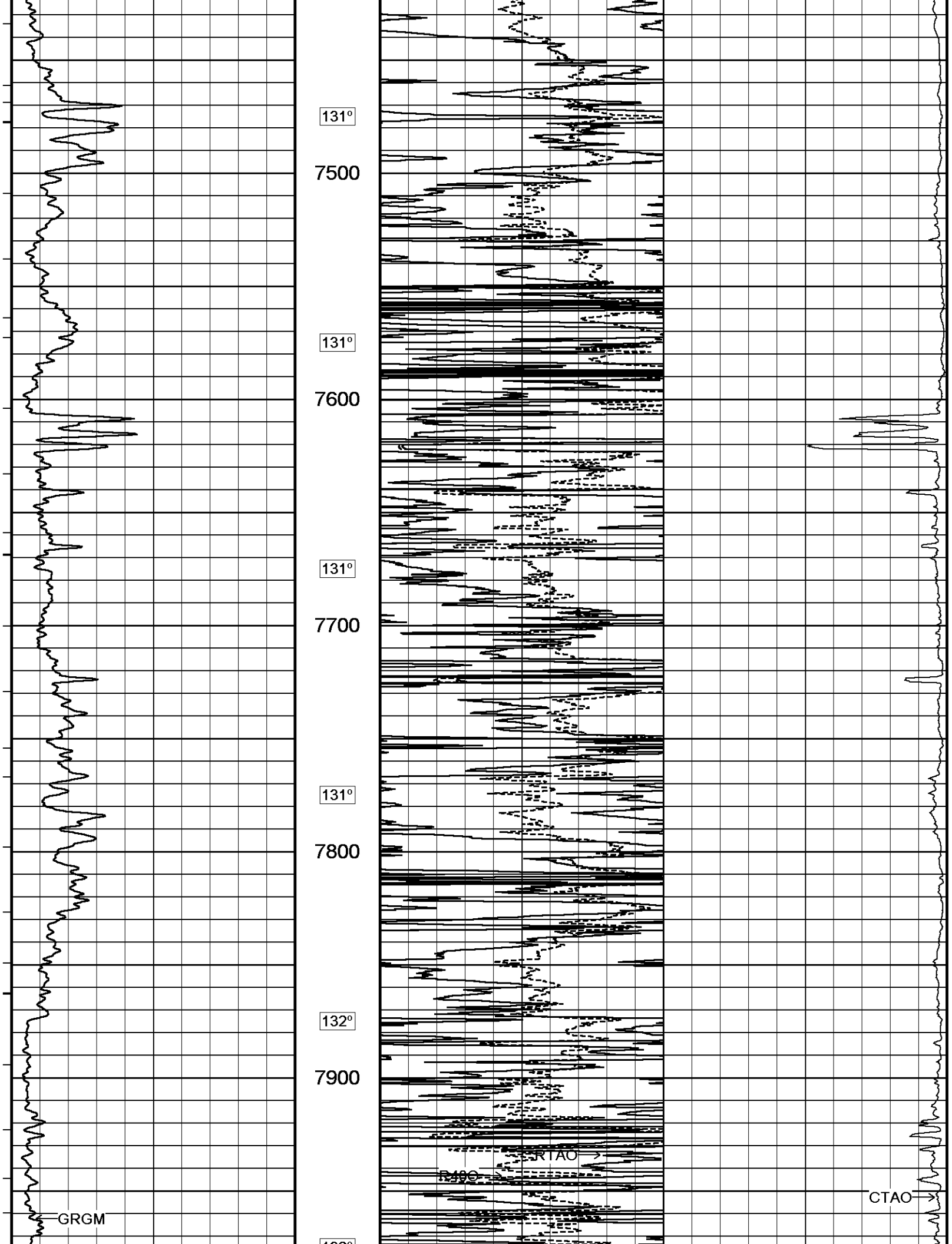


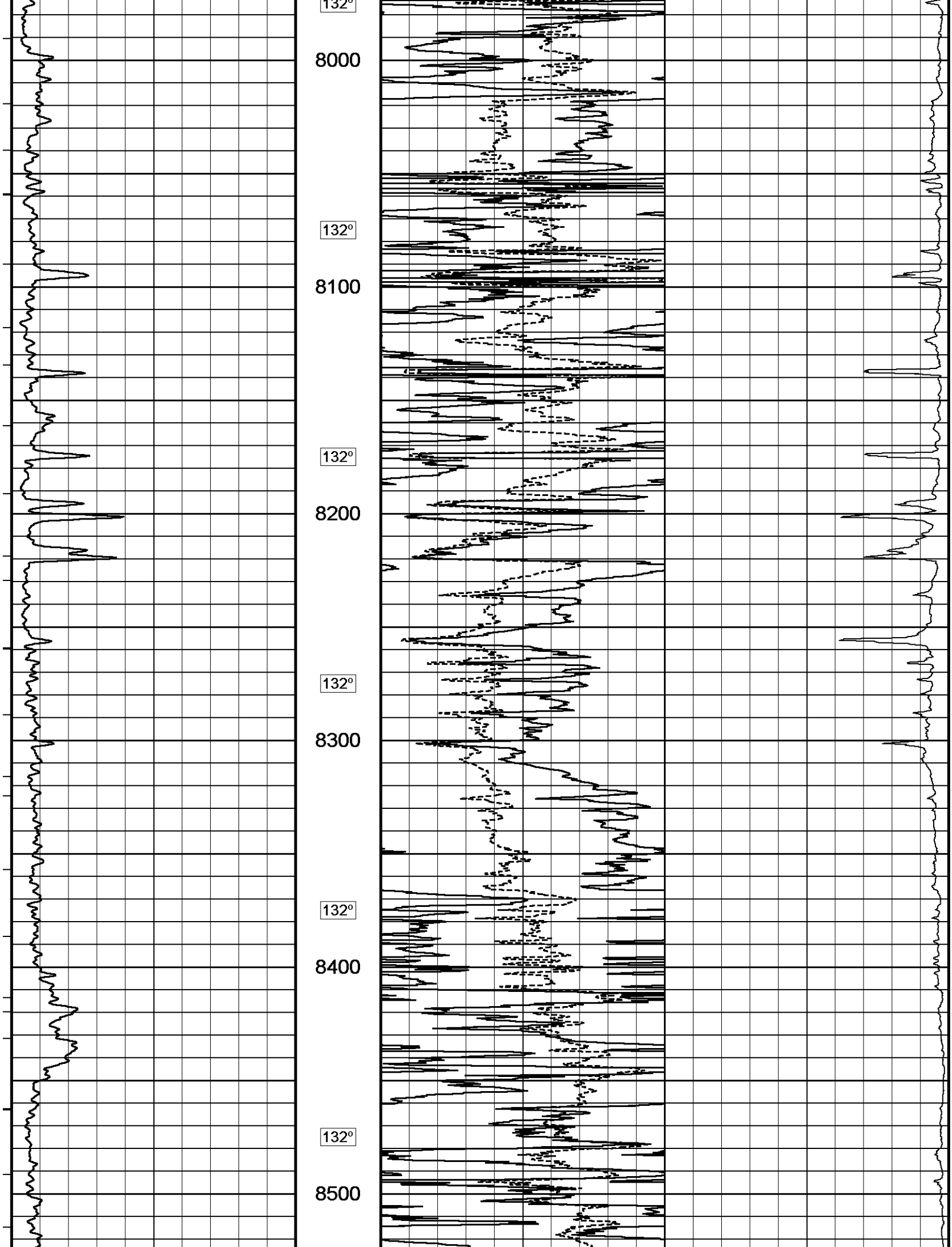

126°
5300
127°
5400
128°
5500
129°
Casing
5600
129°
5700

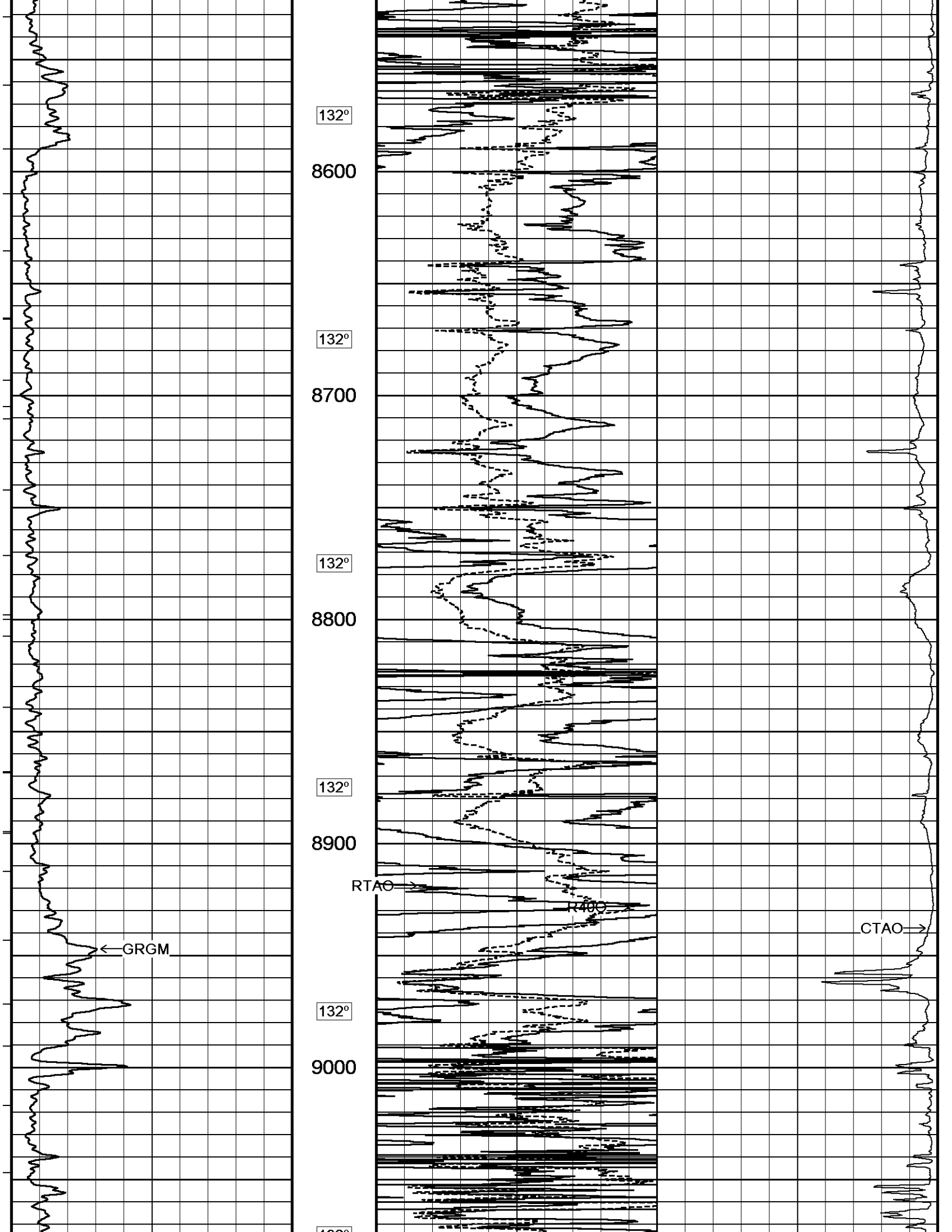

129°
5800
129°
5900
RTAO
R40O
CTAO
GRGM
130°
6000
130°
6100
130°
6200
130°
6300

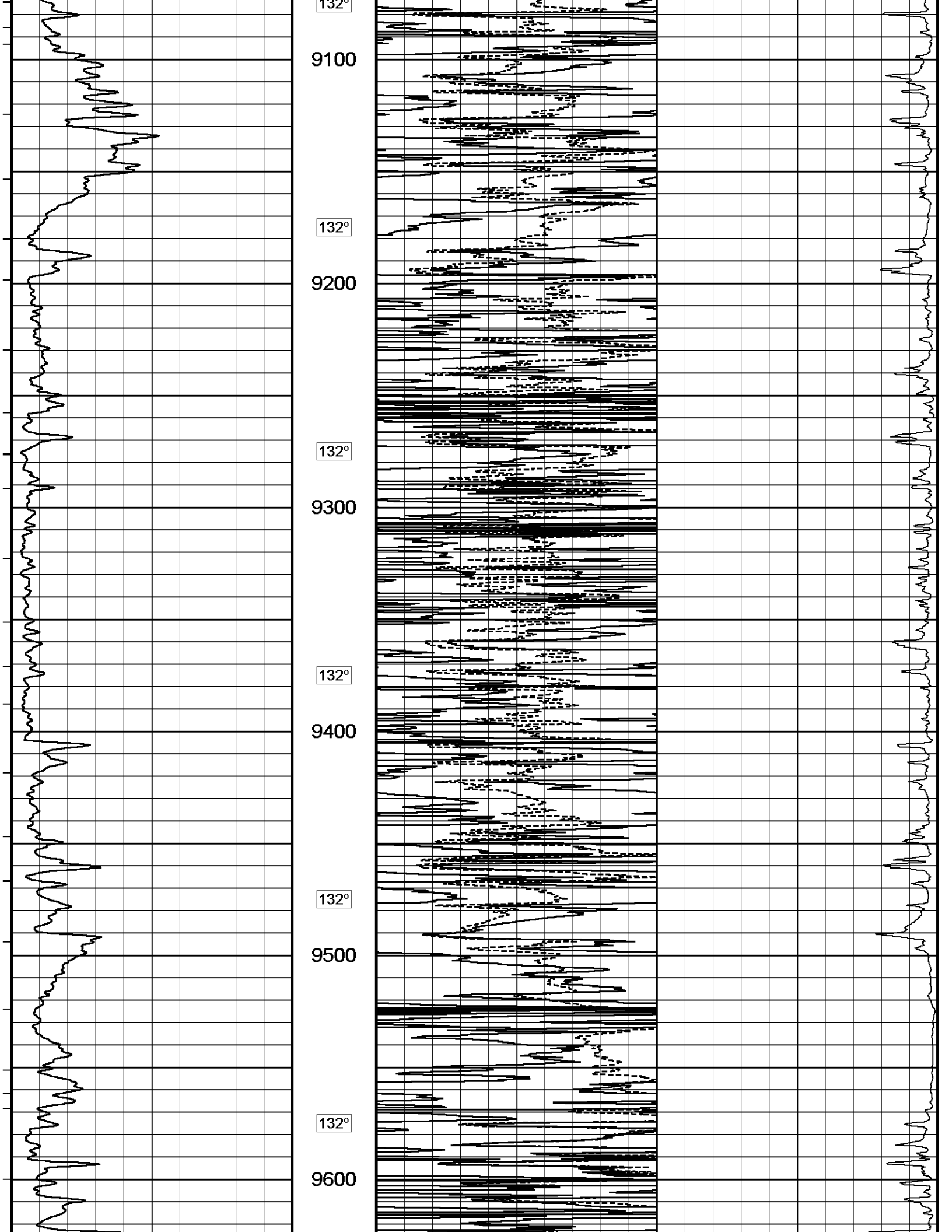

130°
6400
130°
6500
130°
6600
130°
6700
130°
6800

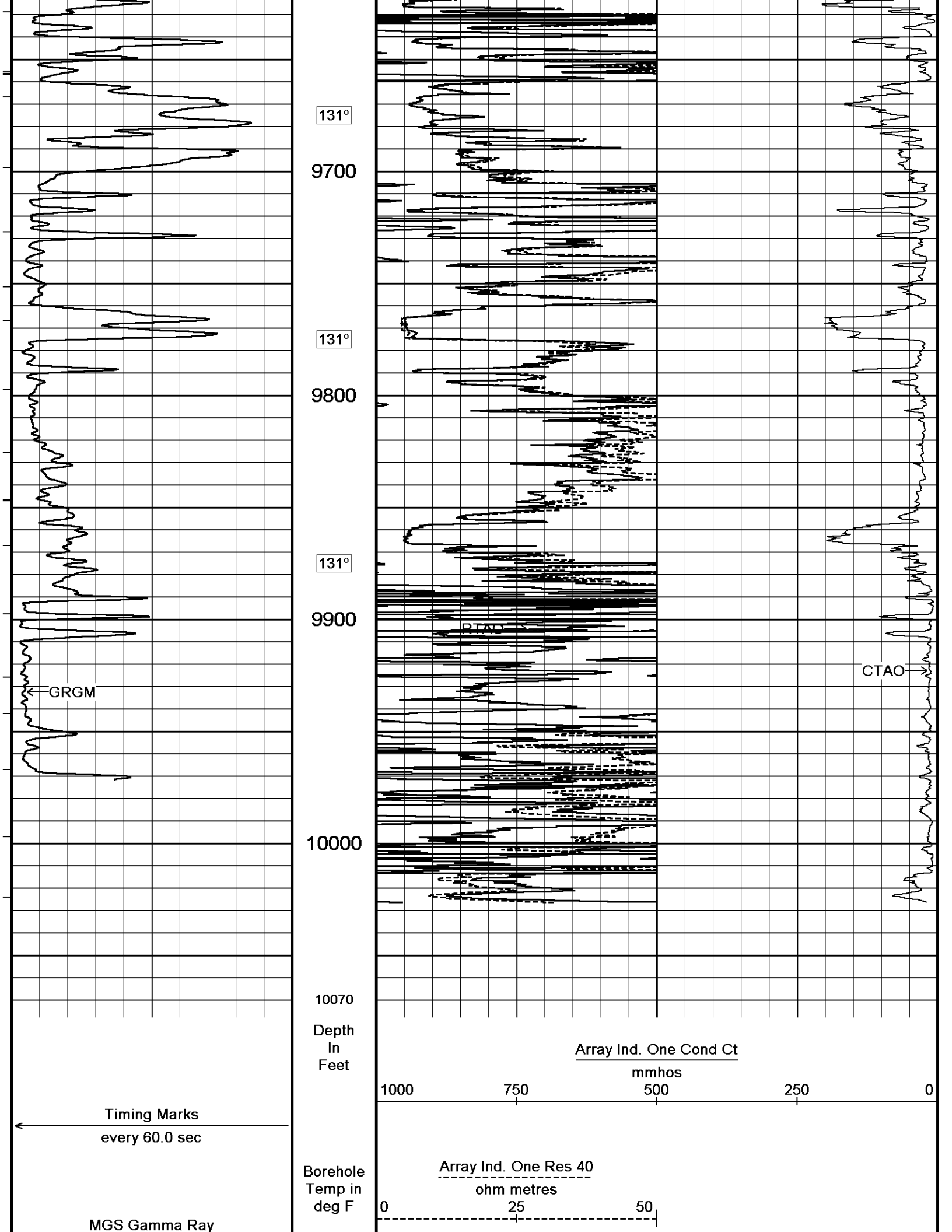

130°
6900
RTAO
131°
GRGM
CTAO
7000
131°
7100
131°
7200
131°
7300
131°
7400


131°
7500
131°
7600
131°
7700
131°
7800
132°
7900
RTAO
R490
CTAO
GRGM


132°
8000
132°
8100
132°
8200
132°
8300
132°
8400
132°
8500


132°
8600
132°
8700
132°
8800
132°
8900
RTAO
R40O
CTAO
GRGM
132°
9000


132°
9100
132°
9200
132°
9300
132°
9400
132°
9500
132°
9600


131°
9700
131°
9800
131°
9900
RTAO
CTAO
GRGM
10000
10070
Depth
In
Feet
Array Ind. One Cond Ct
mmhos
1000
750
500
250
0
Timing Marks
every 60.0 sec
Borehole
Temp in
deg F
Array Ind. One Res 40
ohm metres
0
25
50
MGS Gamma Ray

API
0 75 150
150 225 300

Replay Scale 1:600

Array Ind. One Res Rt
ohm metres
0 25 50

Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Data\SANDRIDGE SEAN 3119 2-18H\rtap sandridge depth.dta
System Versions: Processed with 13.02.6600 Plotted with 13.02.6600

Plotted on 27-JUL-2012 23:24
Recorded on 27-JUL-2012 22:25

2 INCH MAIN LOG

5 INCH MAIN LOG

Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Data\SANDRIDGE SEAN 3119 2-18H\rtap sandridge depth.dta
System Versions: Processed with 13.02.6600 Plotted with 13.02.6600

Plotted on 27-JUL-2012 23:24
Recorded on 27-JUL-2012 22:25

Timing Marks
every 60.0 sec

MGS Gamma Ray
API
0 75 150
150 225 300

Depth In Feet

Borehole Temp in deg F

Array Ind. One Res 40
ohm metres
0.20 1 10 100 2000

Array Ind. One Res 60
ohm metres
0.20 1 10 100 2000

Array Ind. One Res 85
ohm metres
0.20 1 10 100 2000

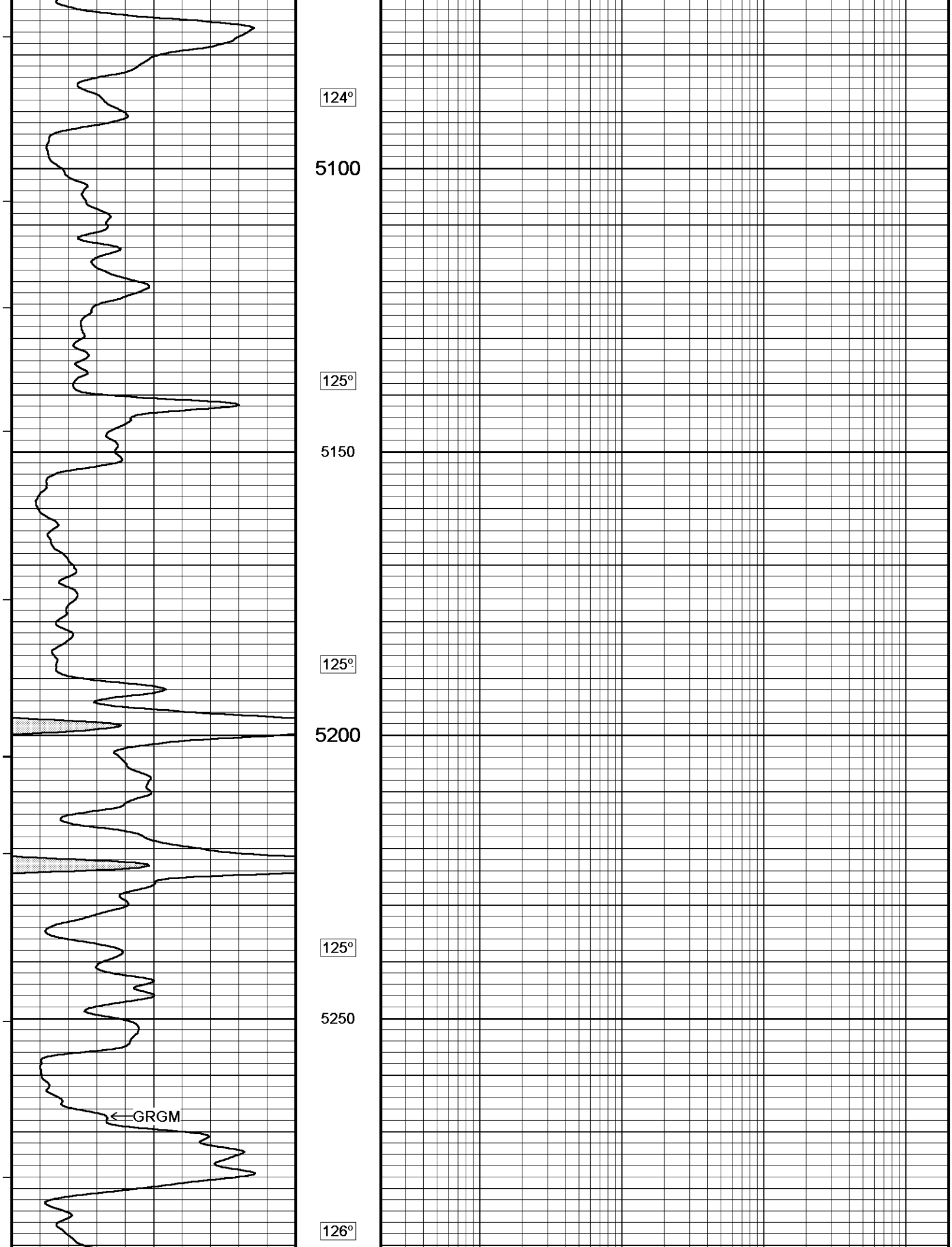
Array Ind. One Res Rt
ohm metres
0.20 1 10 100 2000

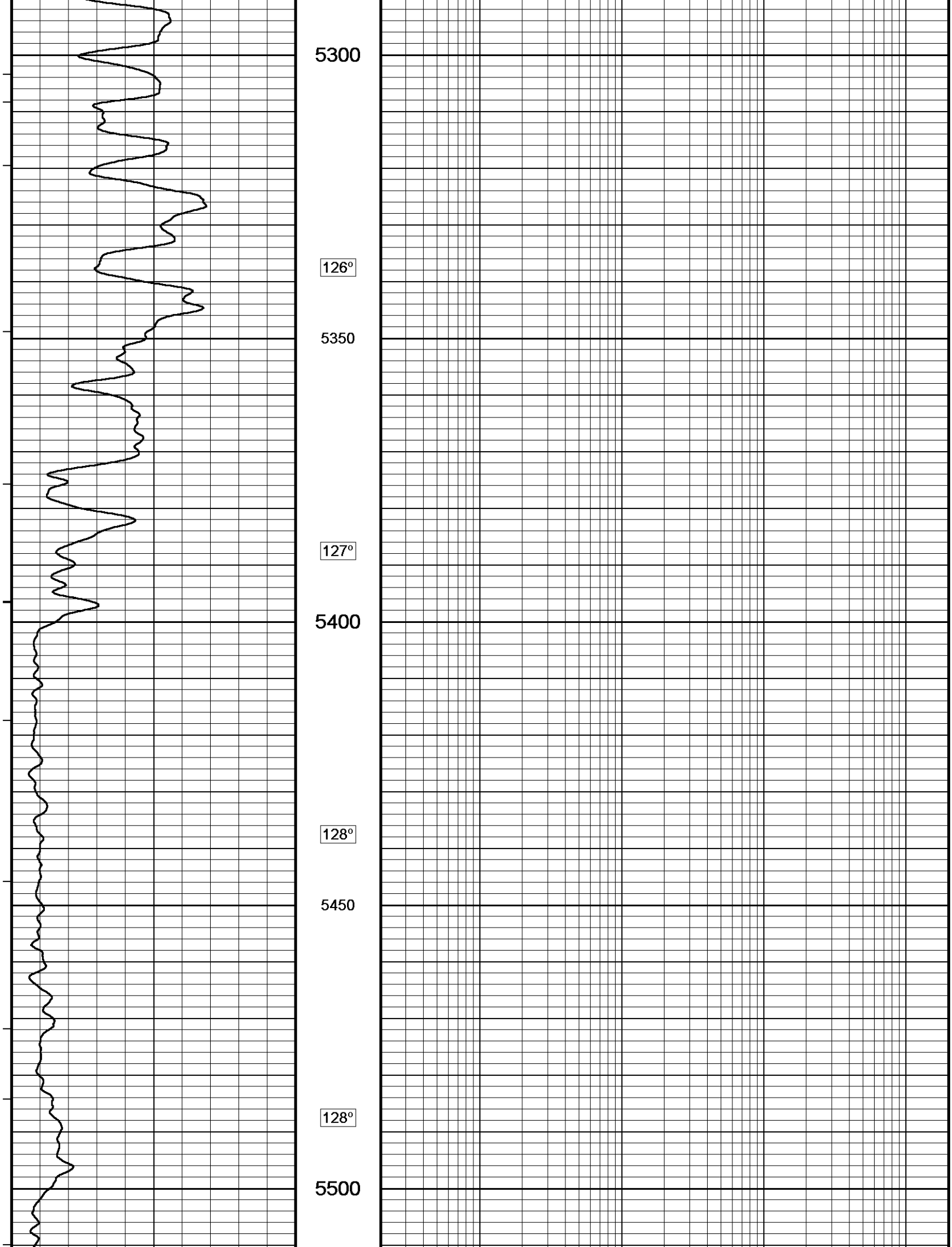
Replay Scale 1:240

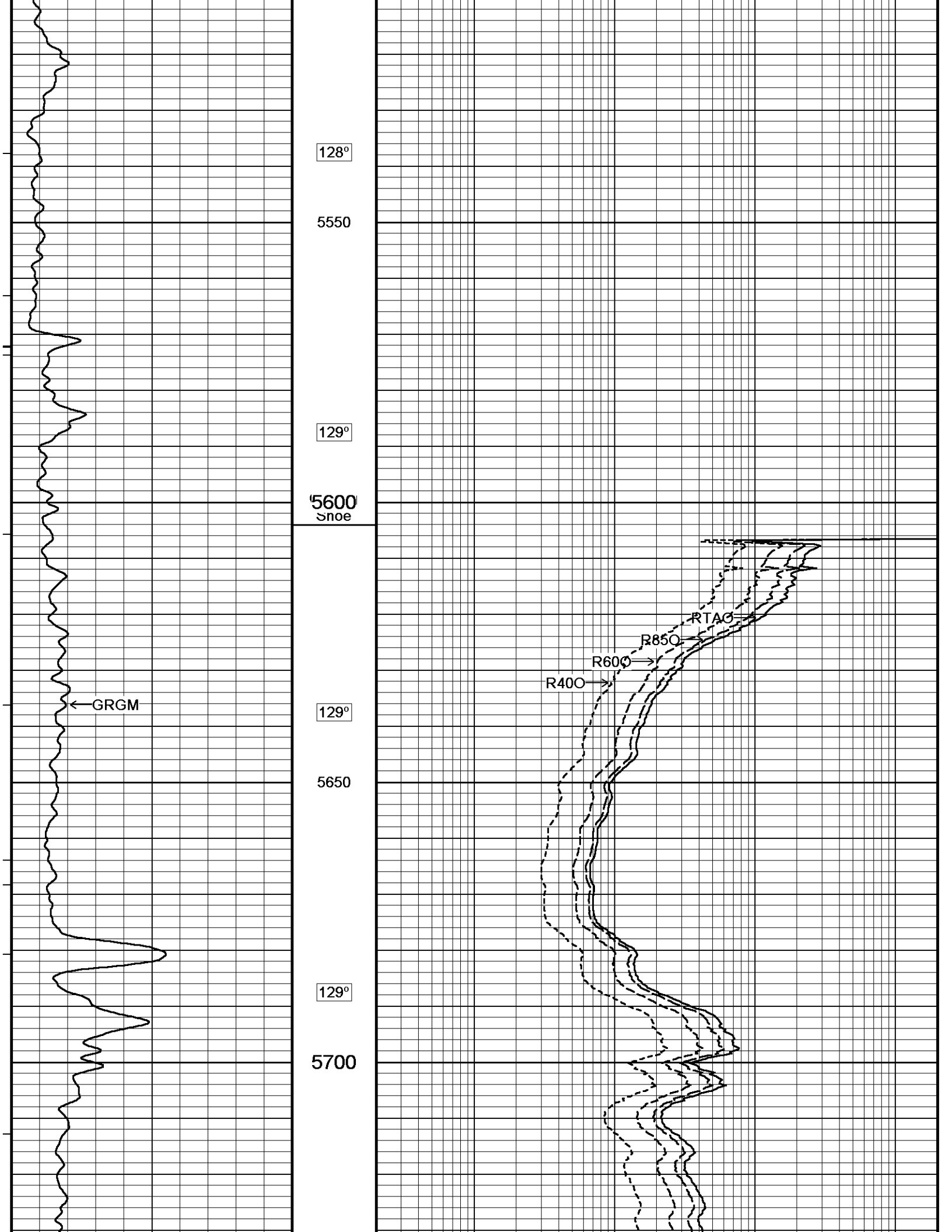
5000

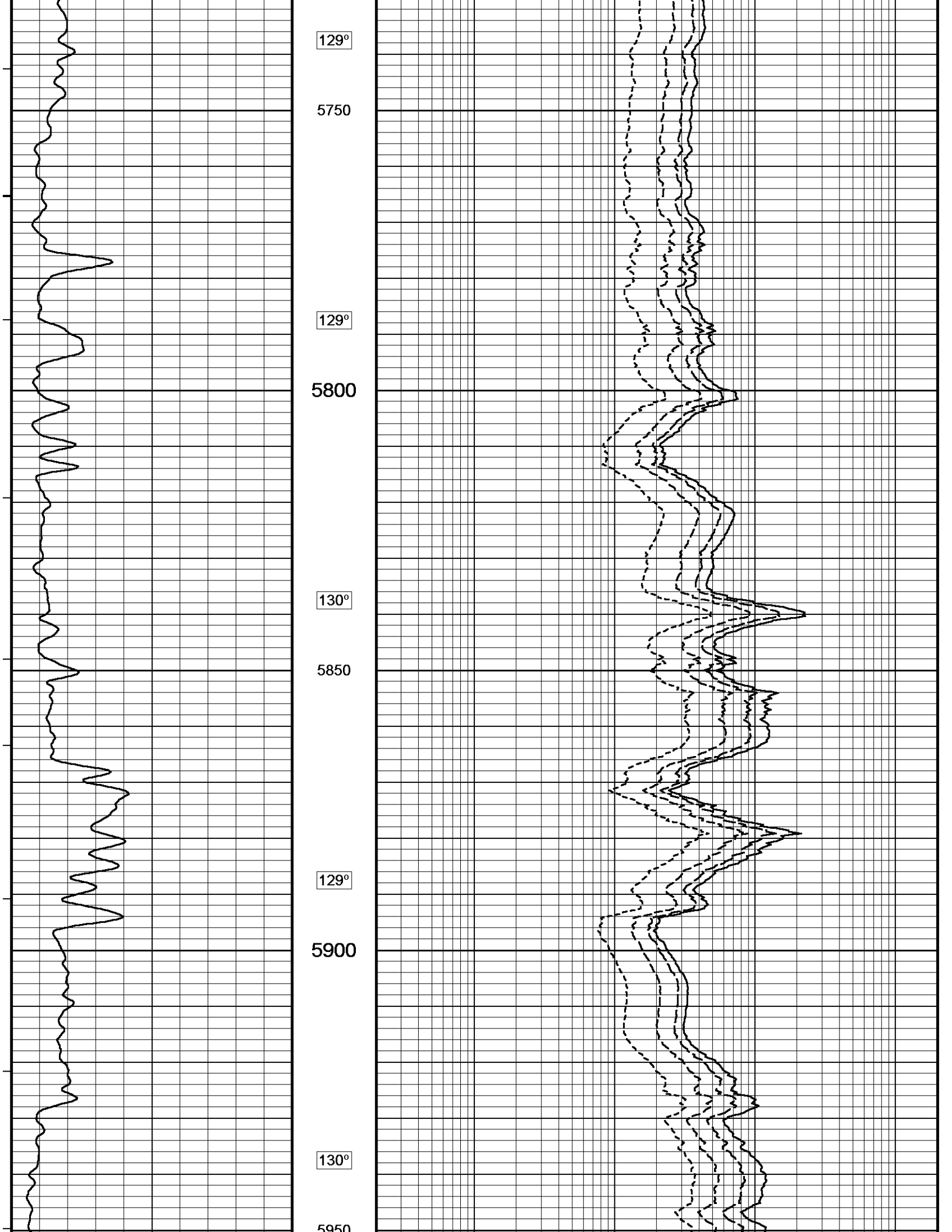
124°

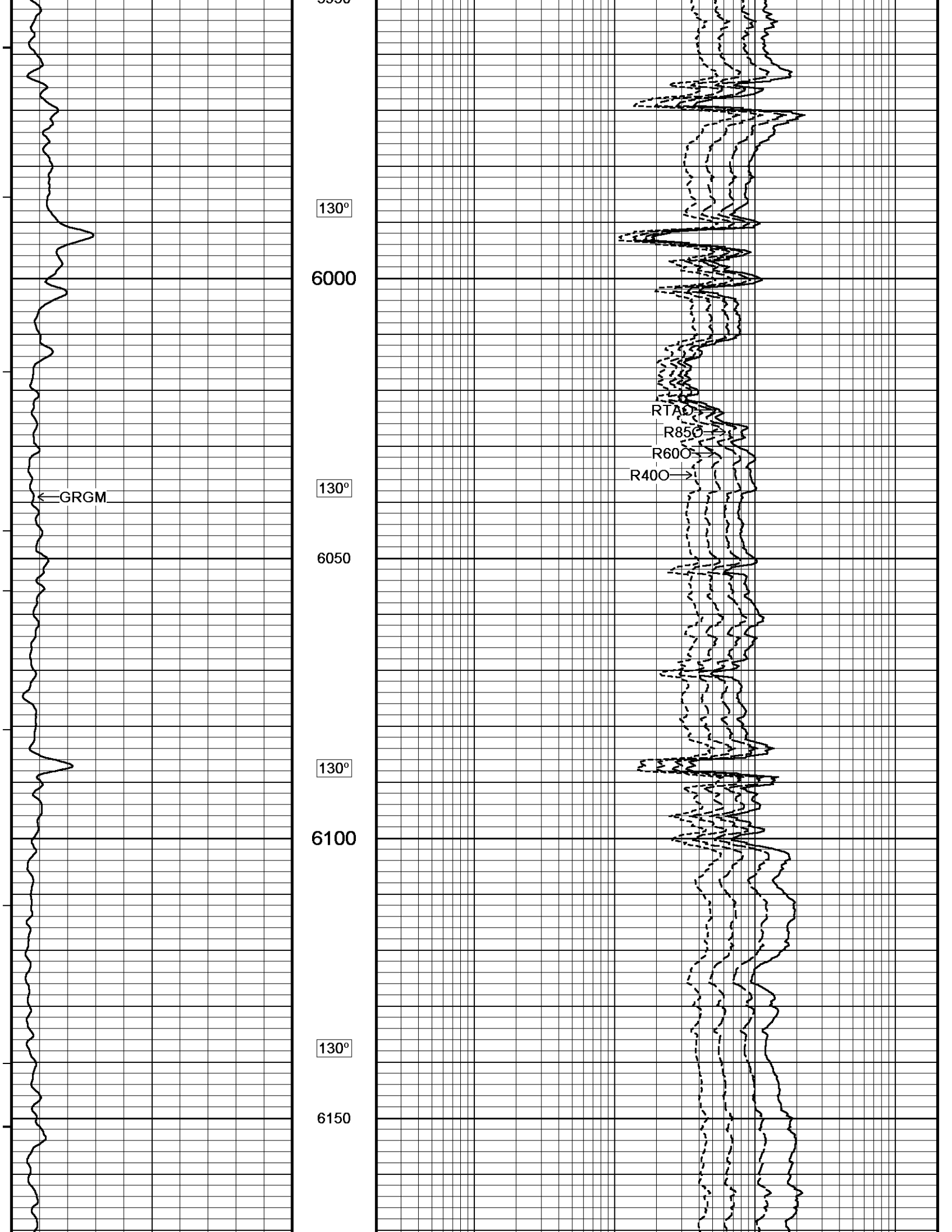
5050

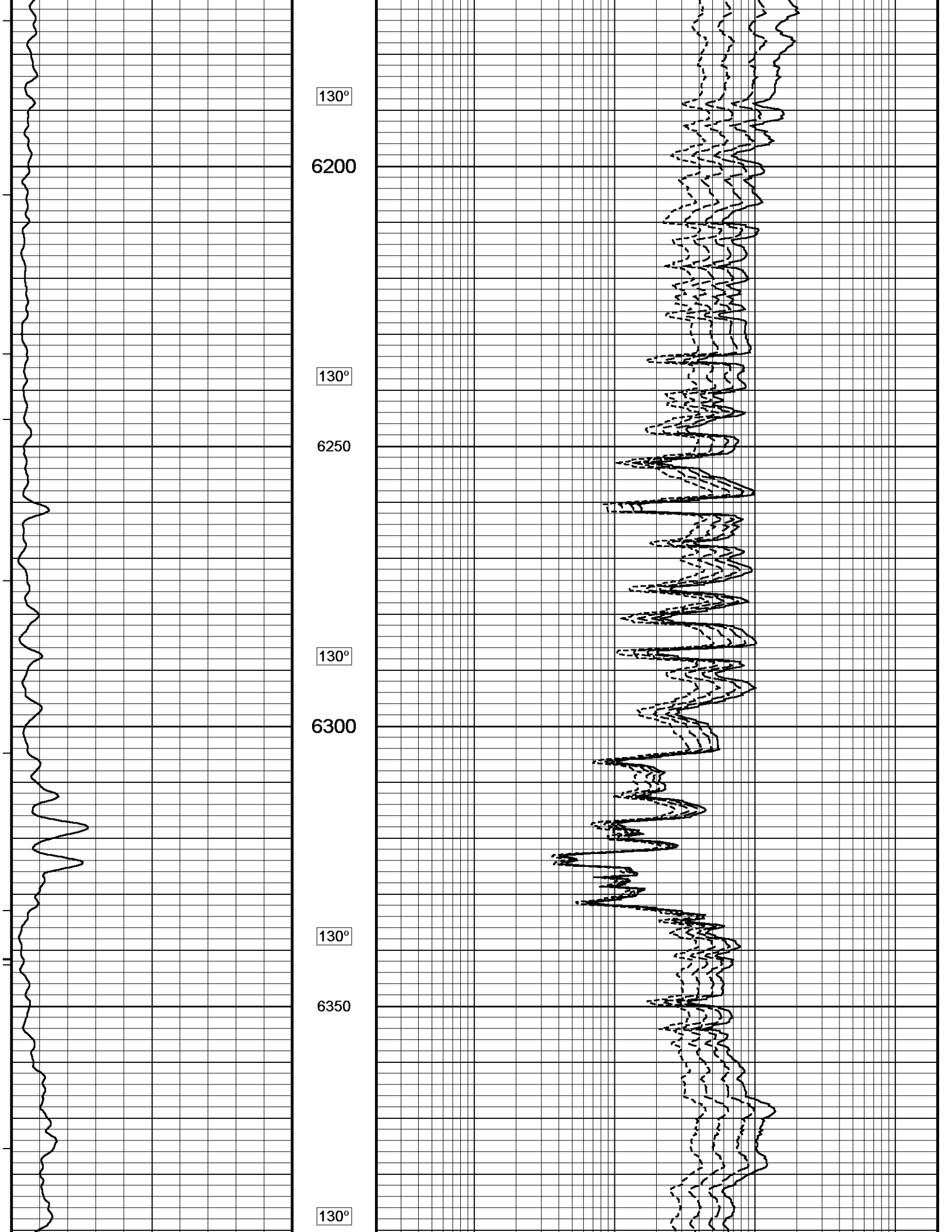

124°
5100
125°
5150
125°
5200
125°
5250
GRGM
126°

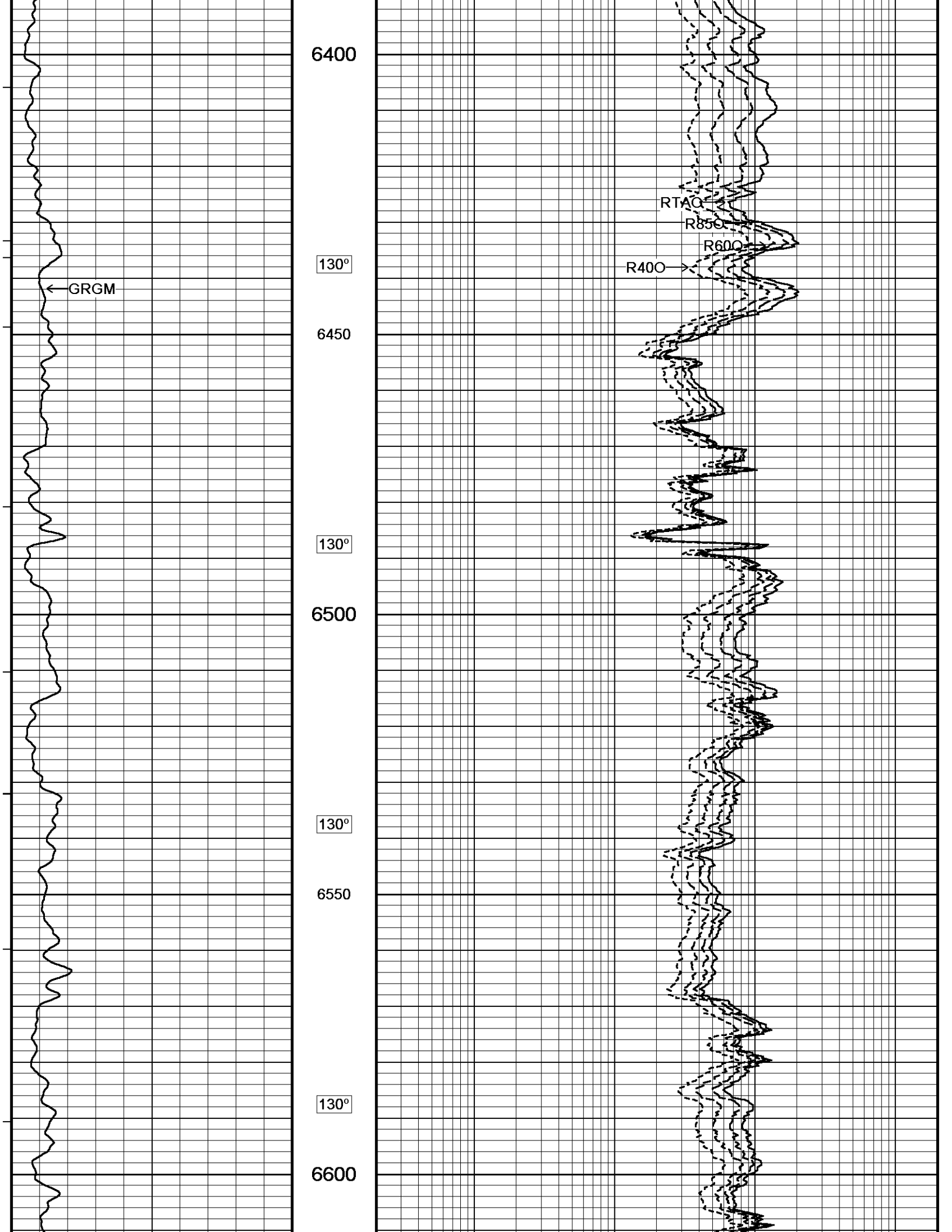

5300
126°
5350
127°
5400
128°
5450
128°
5500

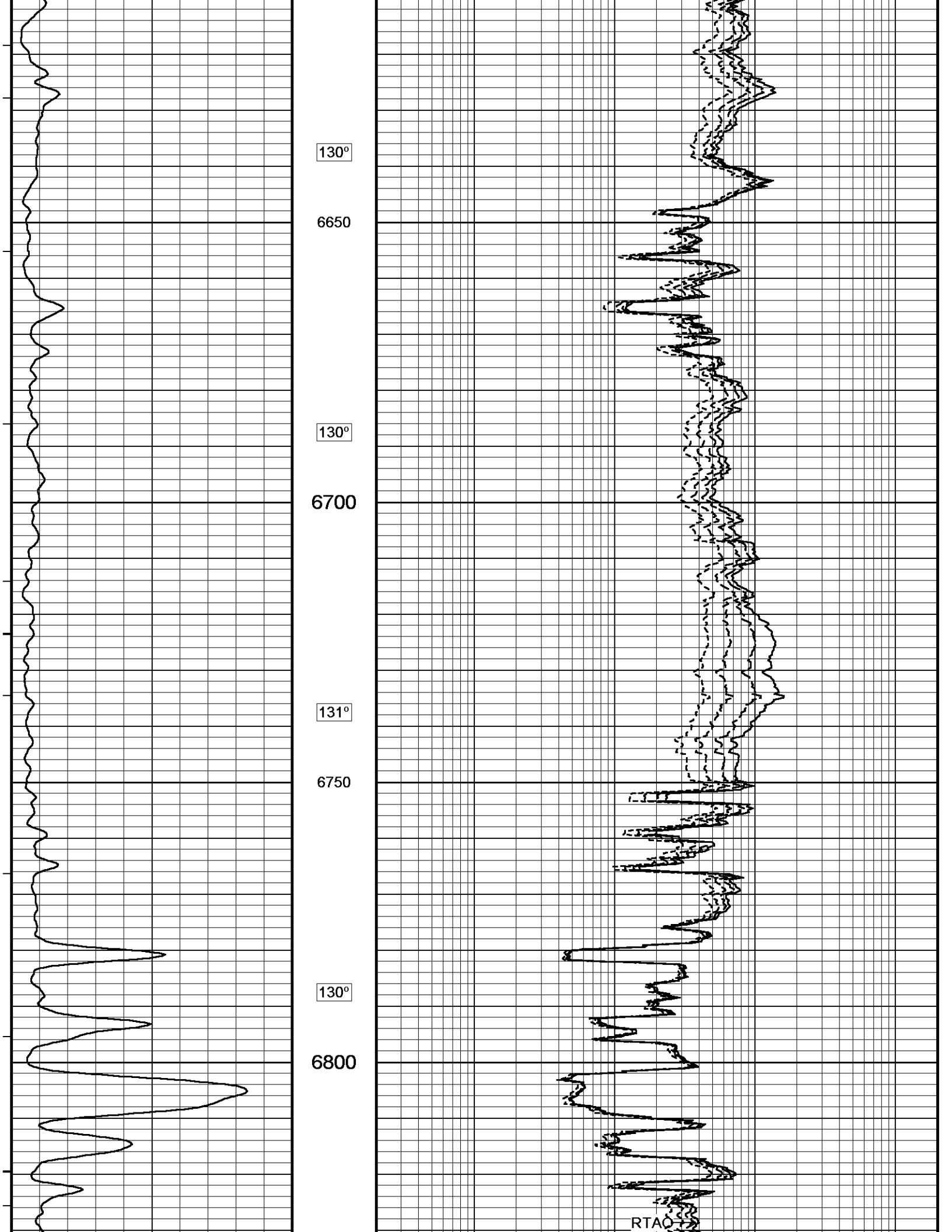

128°
5550
129°
5600
Shoe
RTAO
R85O
R60O
R40O
GRGM
129°
5650
129°
5700

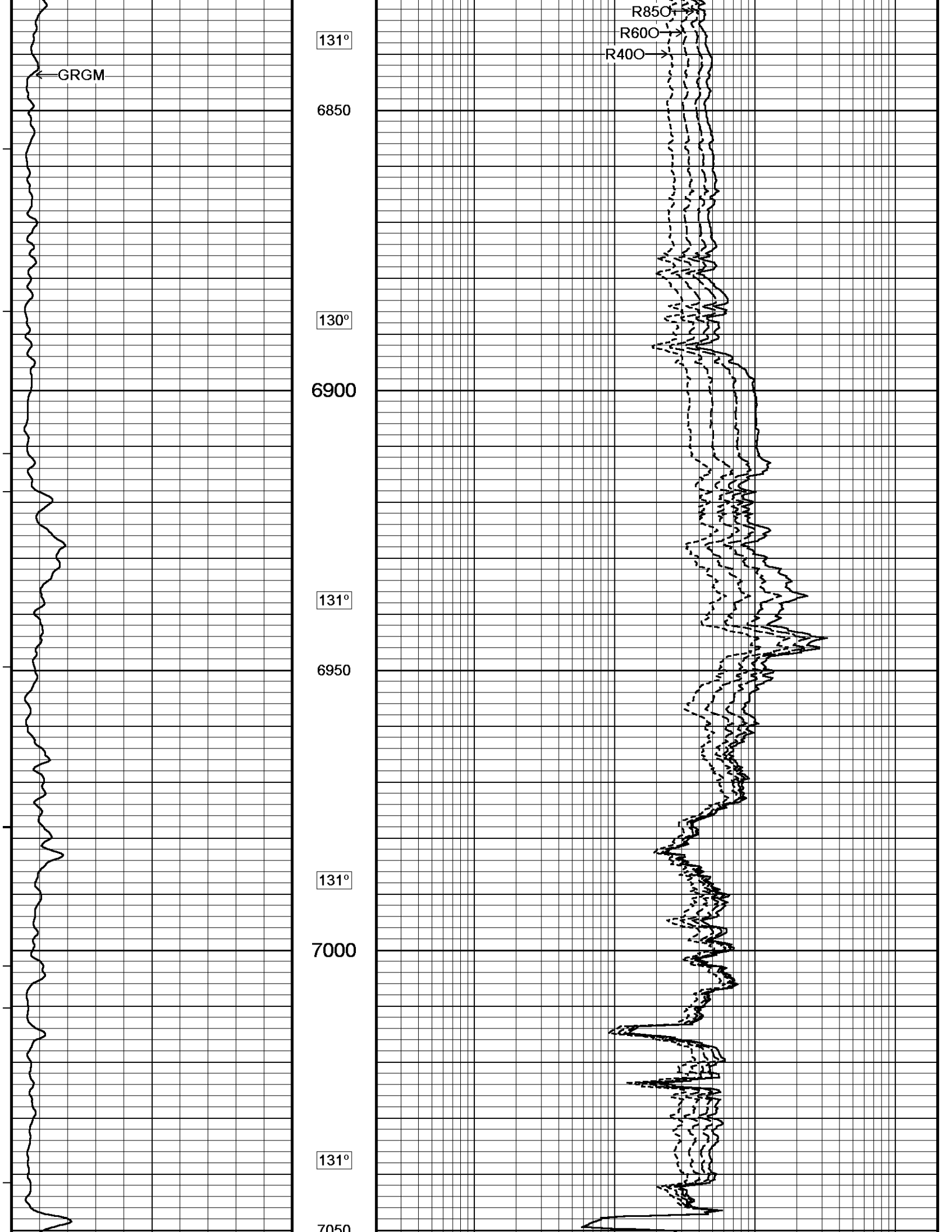

129°
5750
129°
5800
130°
5850
129°
5900
130°
5950

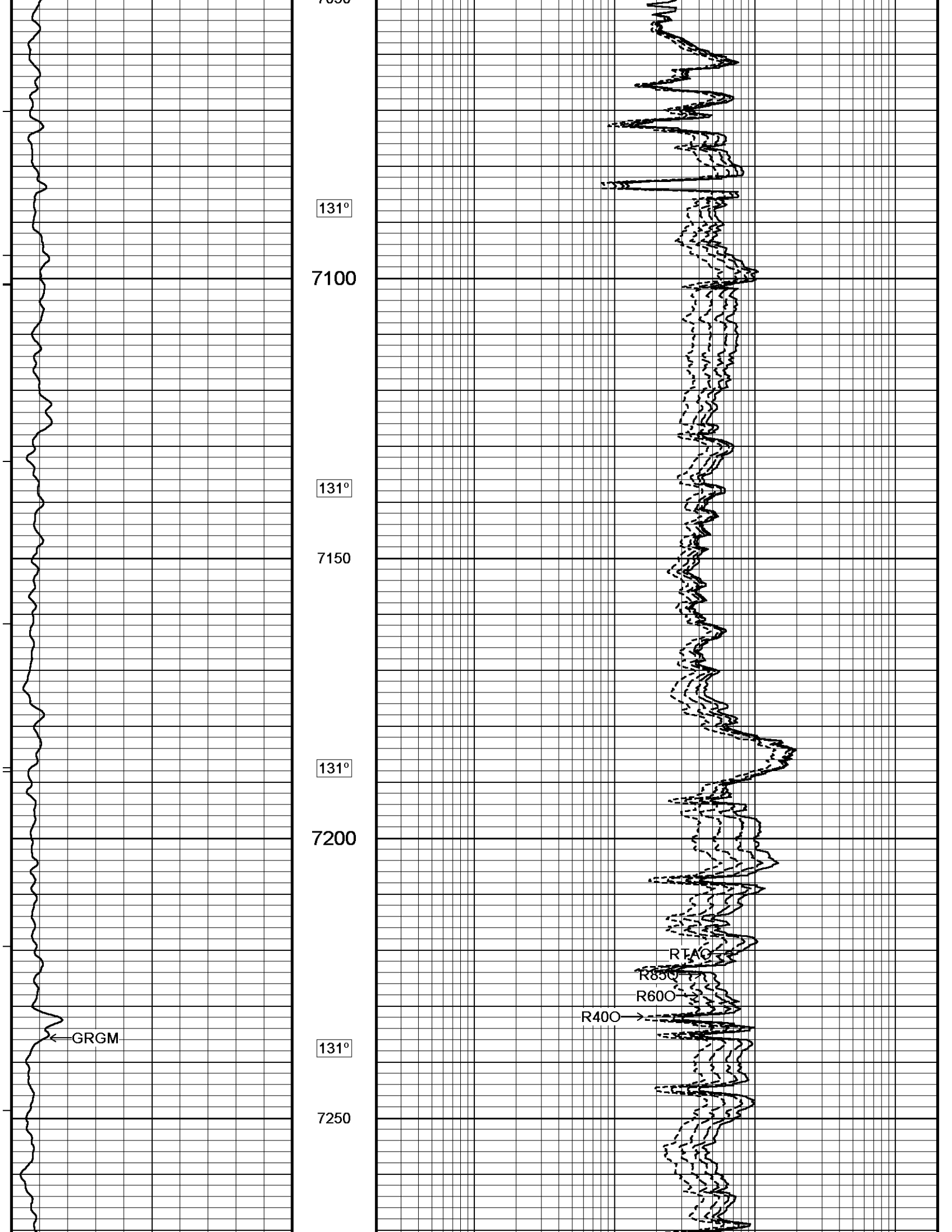

130°
6000
RTAO
R85O
R60O
R40O
130°
GRGM
6050
130°
6100
130°
6150

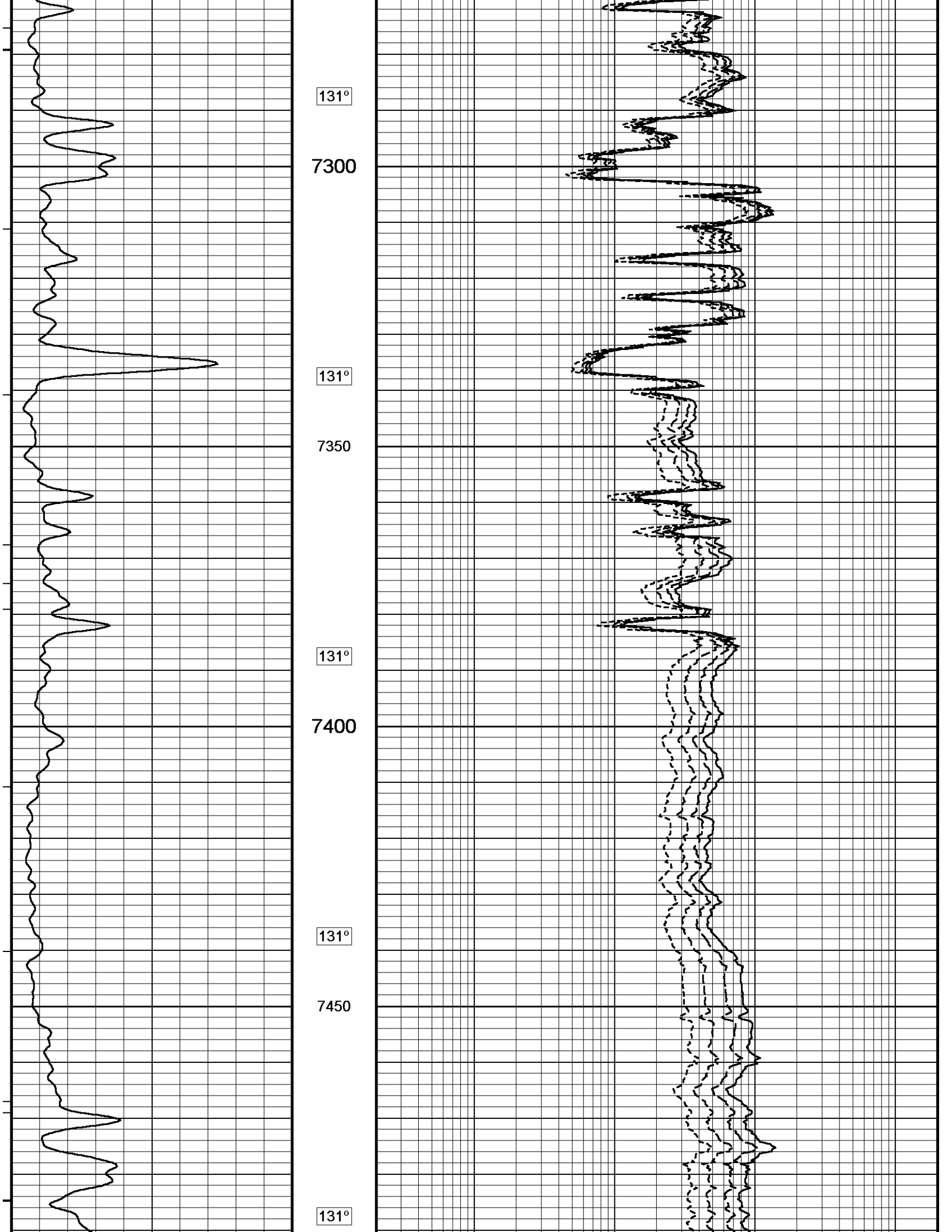

130°
6200
130°
6250
130°
6300
130°
6350
130°

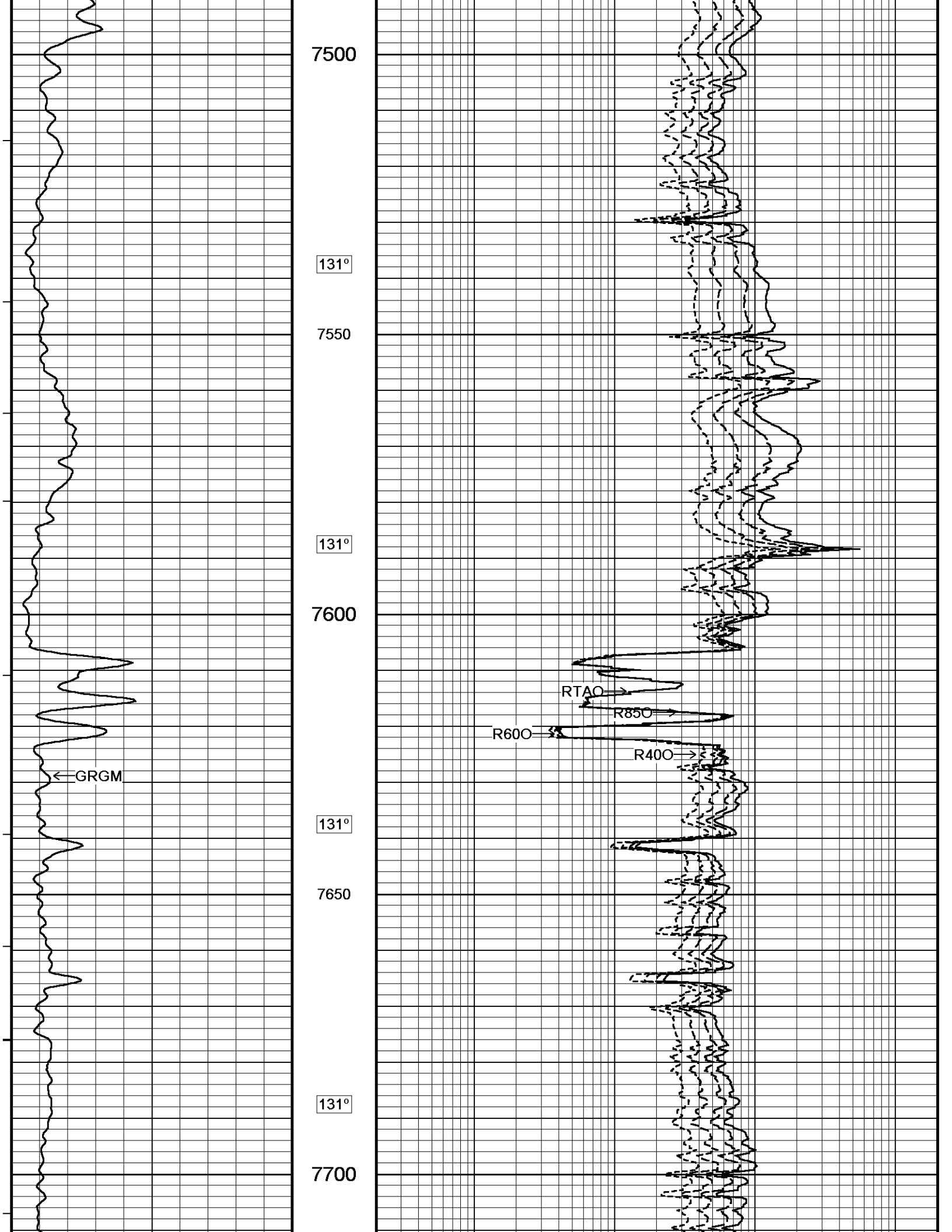

6400
RT4O
R85O
R60O
R40O
130°
GRGM
6450
130°
6500
130°
6550
130°
6600

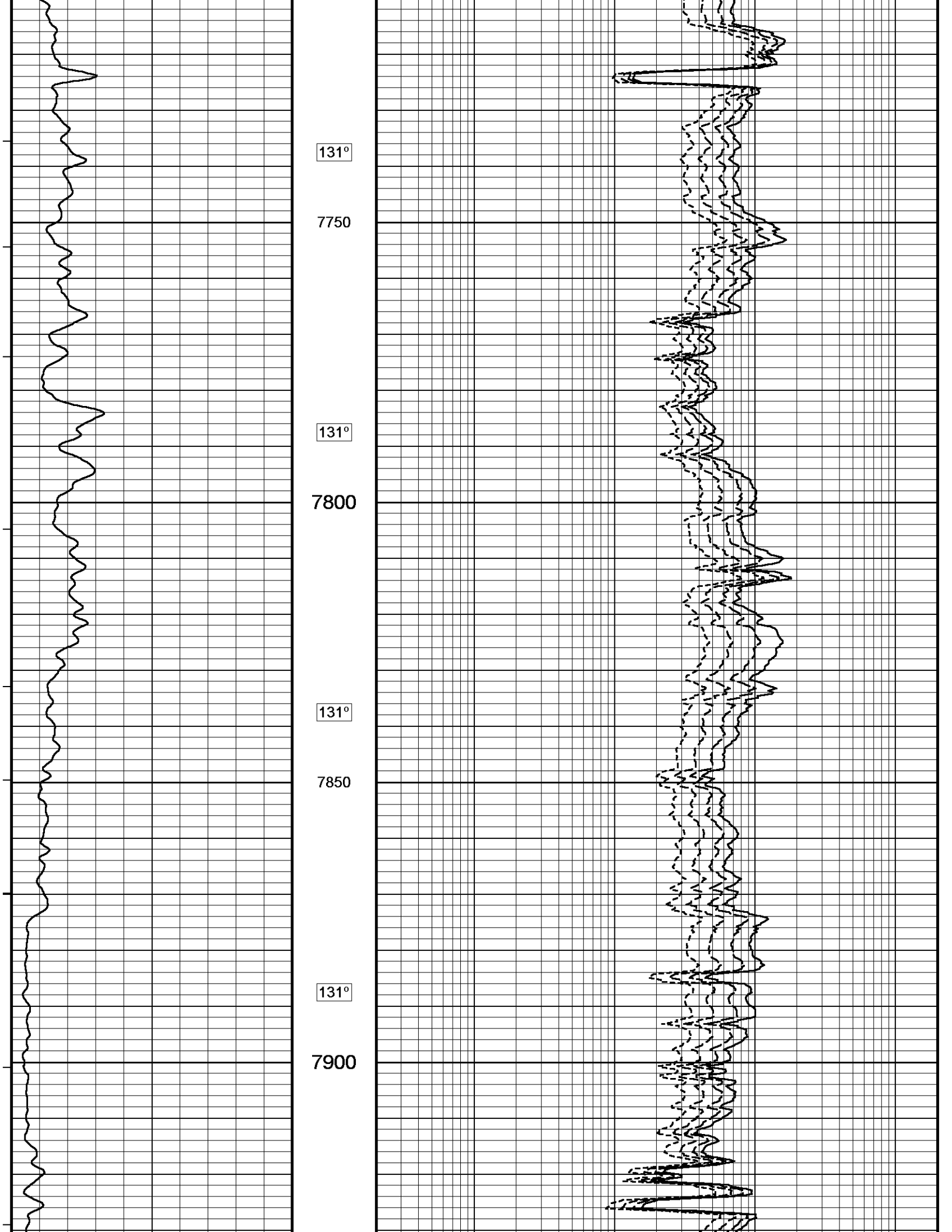

130°
6650
130°
6700
131°
6750
130°
6800
RTAO

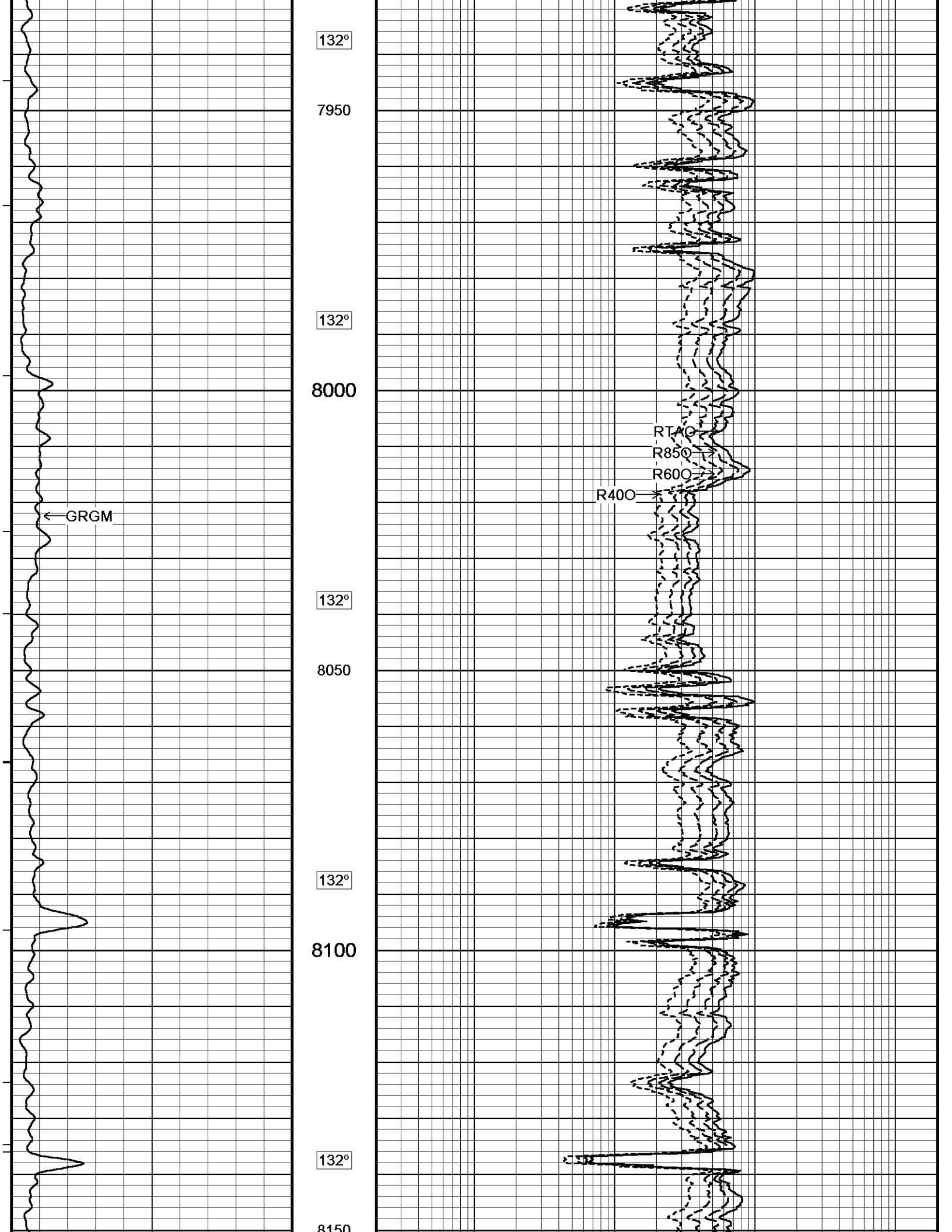

GRGM
131°
6850
130°
6900
131°
6950
131°
7000
131°
7050
R85O
R60O
R40O

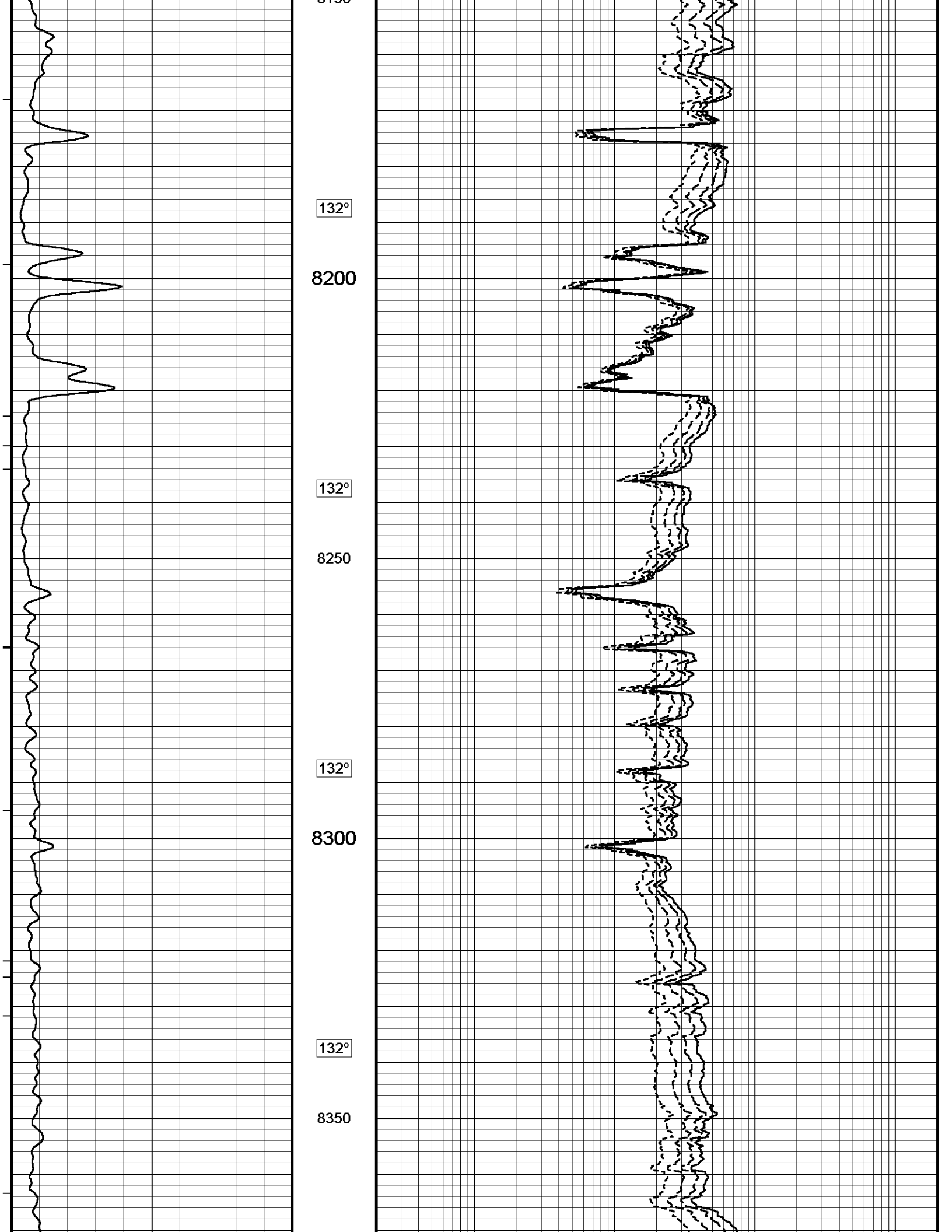

131°
7100
131°
7150
131°
7200
131°
7250
GRGM
RTAO
R85O
R60O
R40O

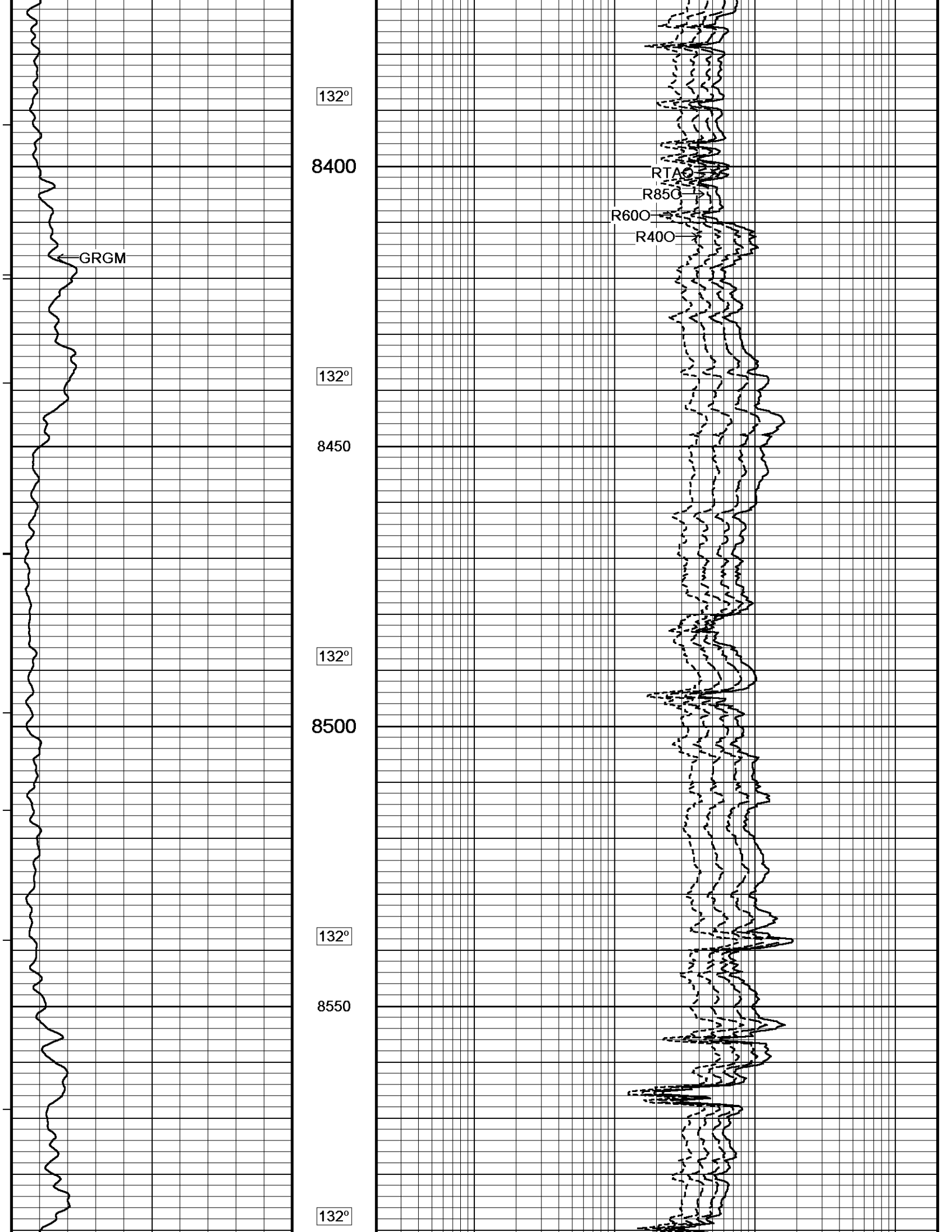

131°
7300
131°
7350
131°
7400
131°
7450
131°

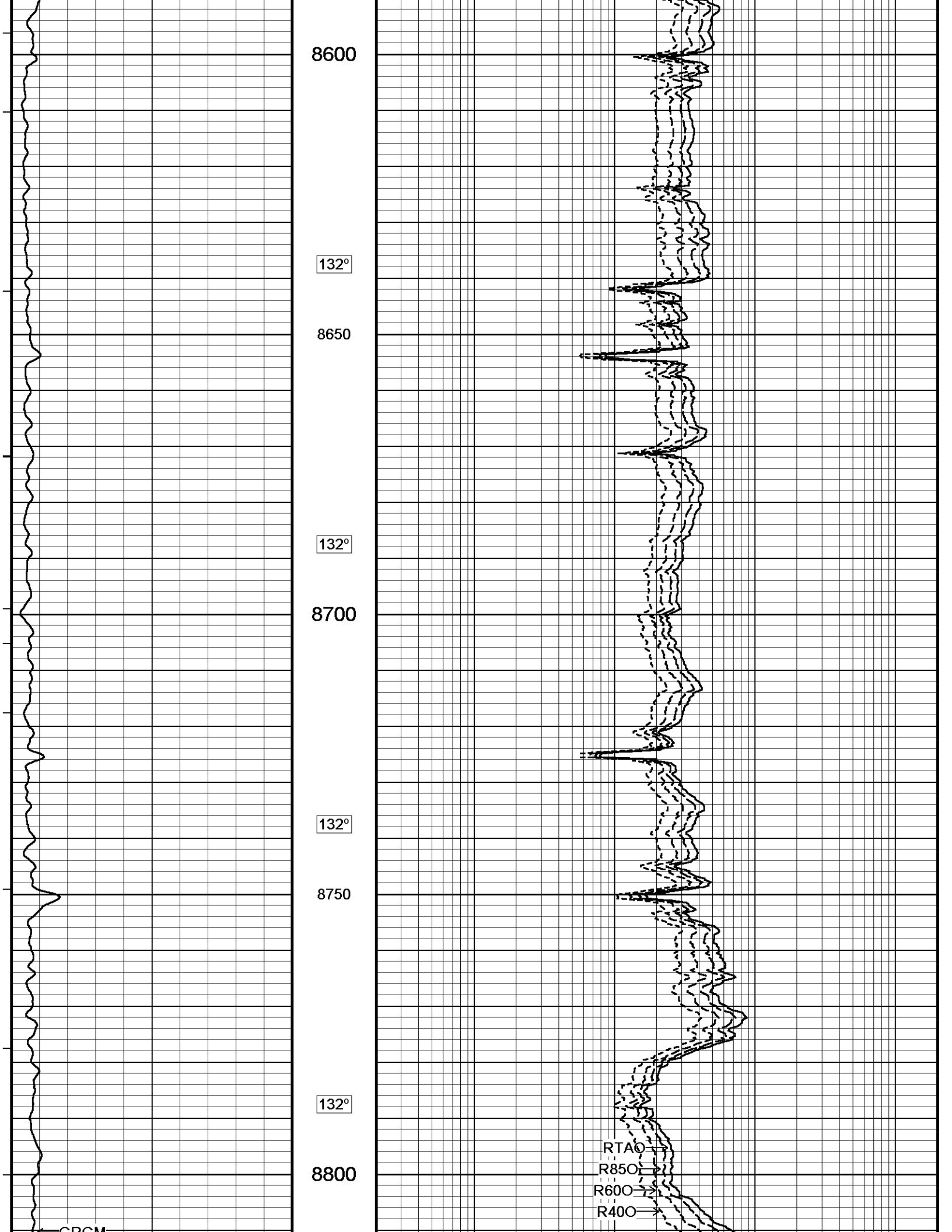

7500
131°
7550
131°
7600
RTAO
R85O
R60O
R40O
GRGM
131°
7650
131°
7700

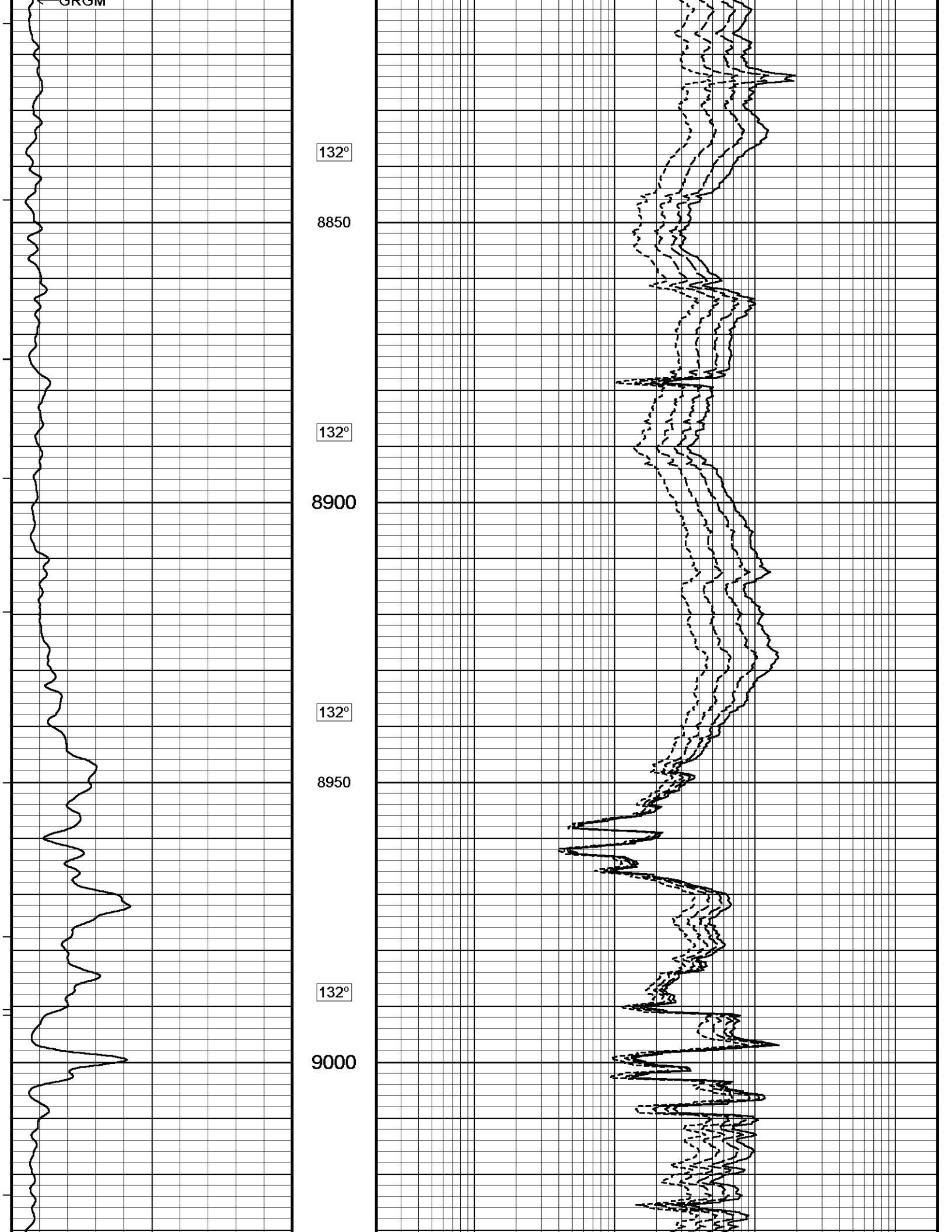

131°
7750
131°
7800
131°
7850
131°
7900

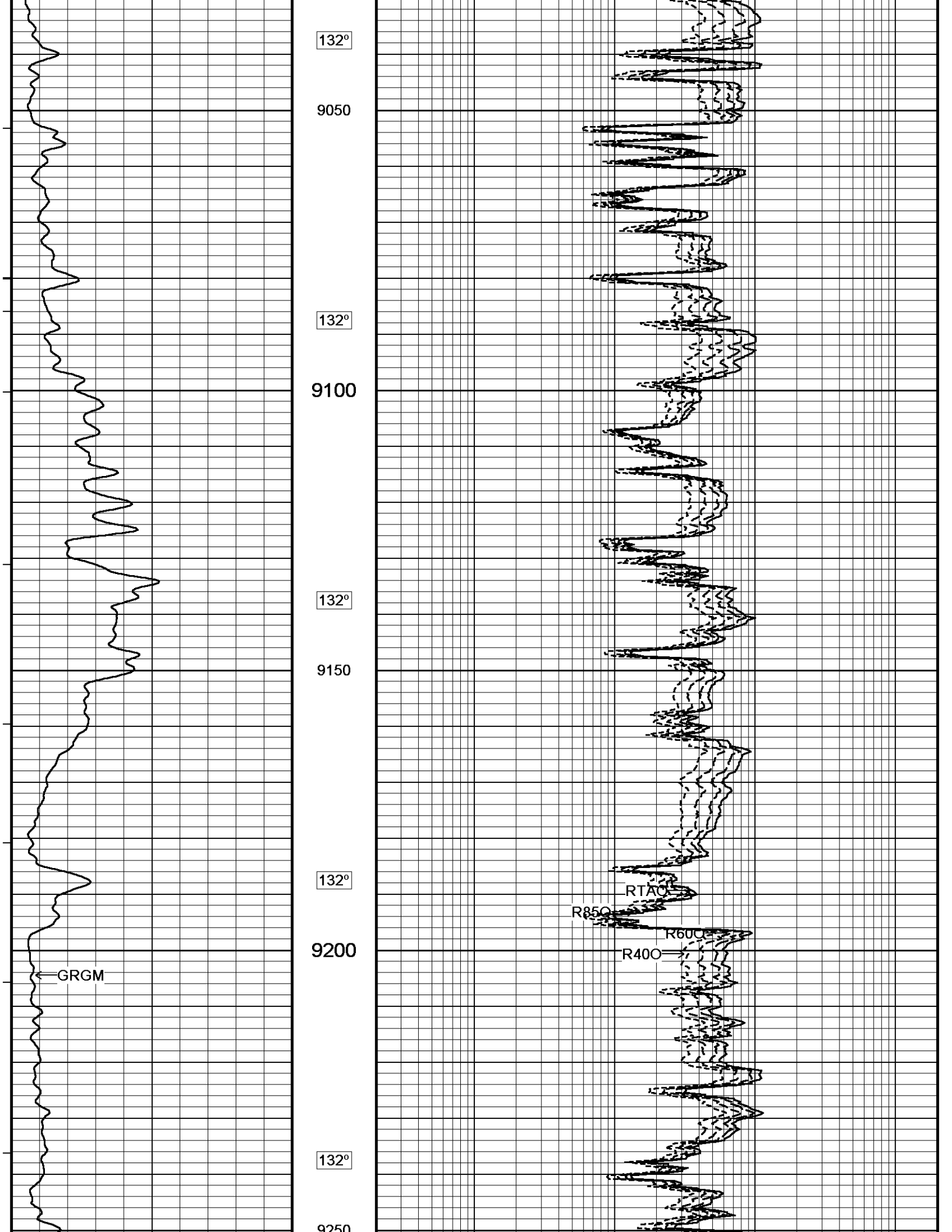

132°
7950
132°
8000
RT40
R850
R600
R400
GRGM
132°
8050
132°
8100
132°
8150

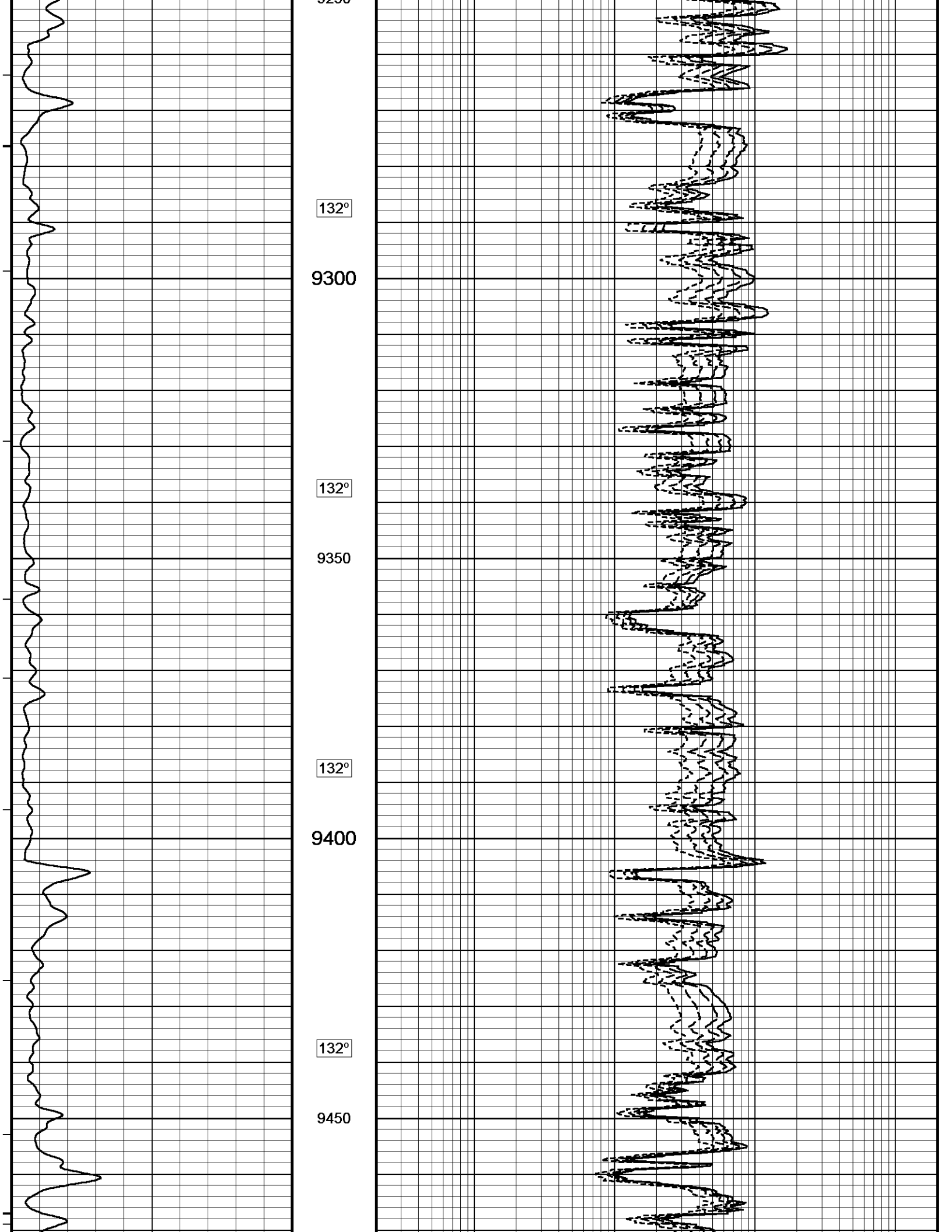

132°
8200
132°
8250
132°
8300
132°
8350

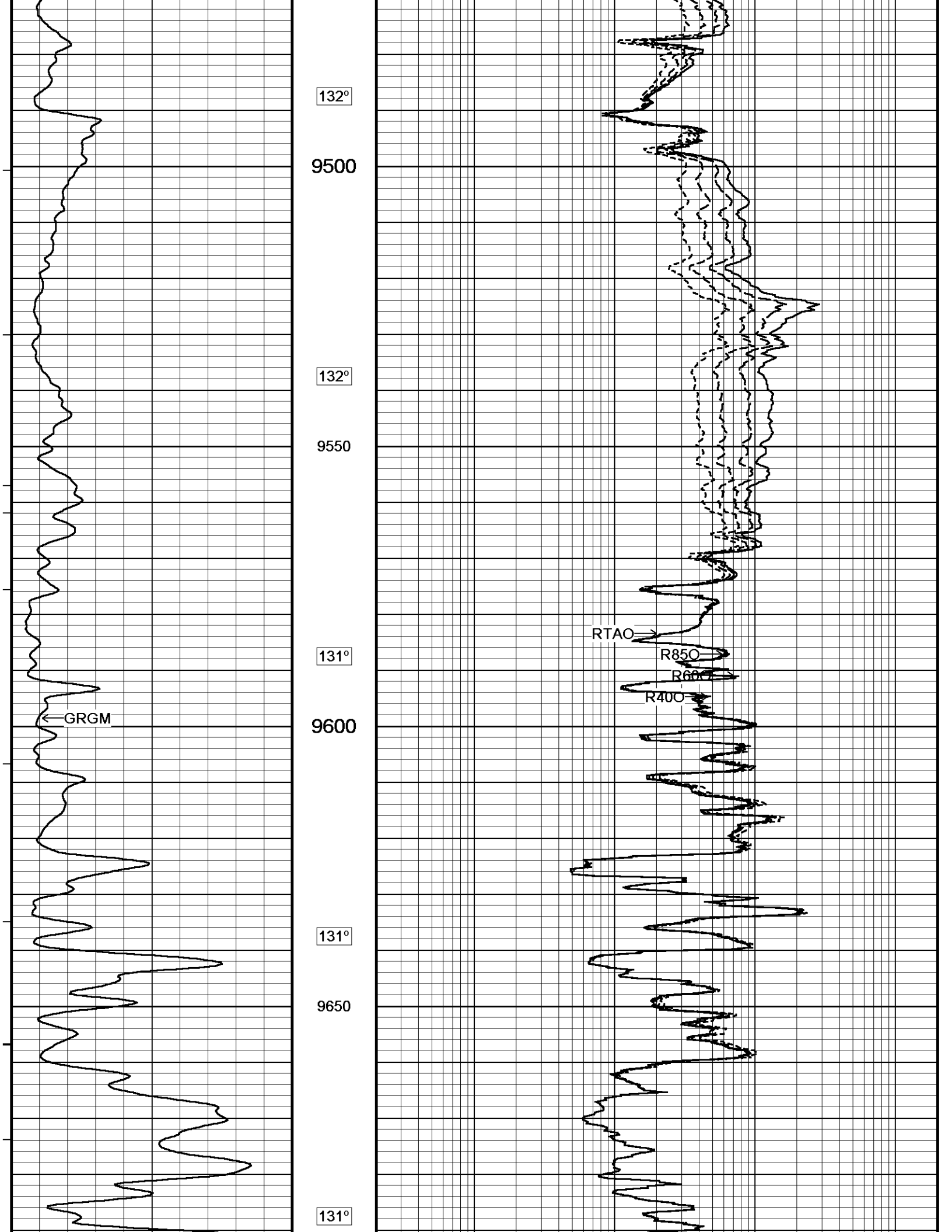

GRGM
132°
8400
RTAO
R85O
R60O
R40O
132°
8450
132°
8500
132°
8550
132°

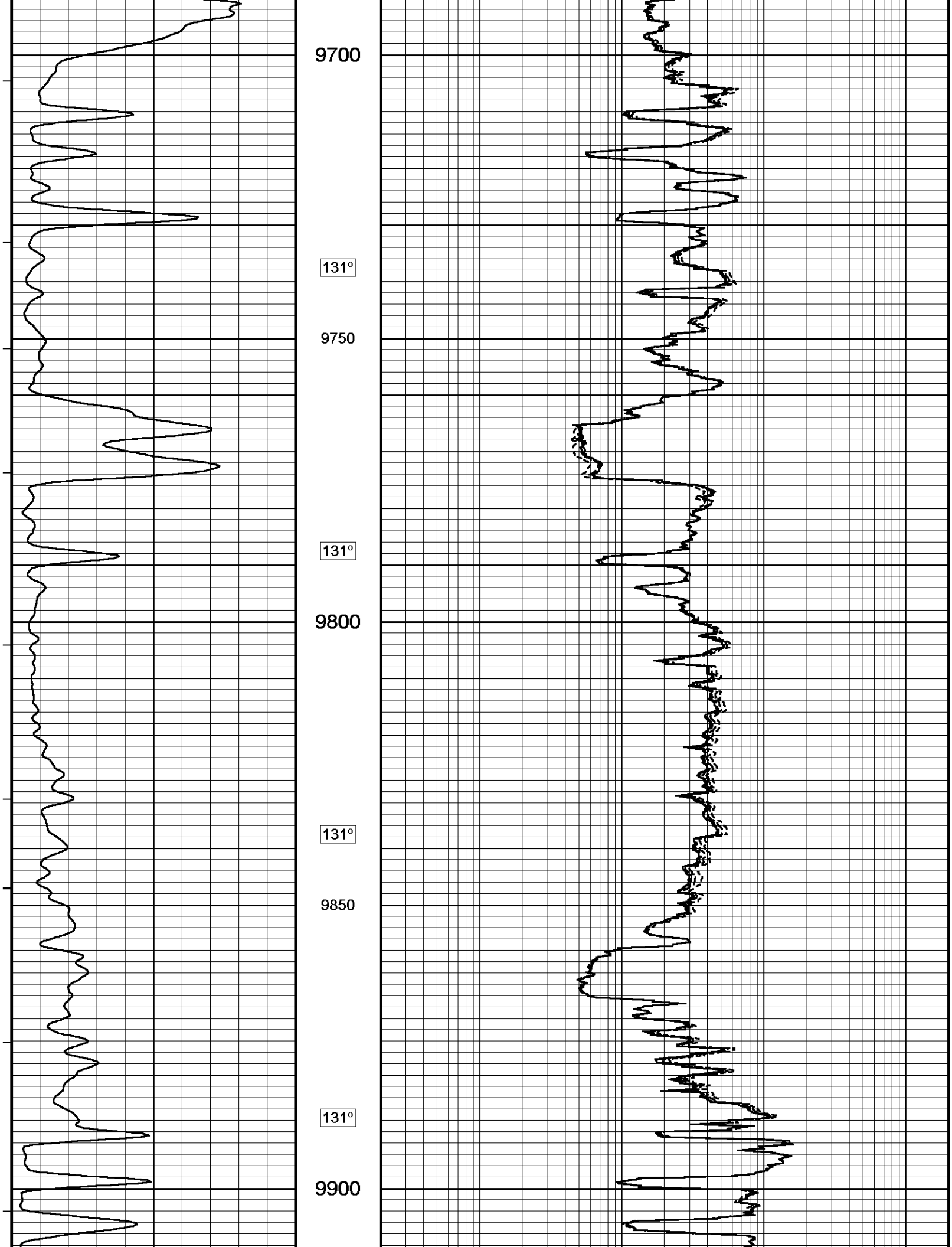

8600
132°
8650
132°
8700
132°
8750
132°
8800
RTAO
R85O
R60O
R40O
CBGM

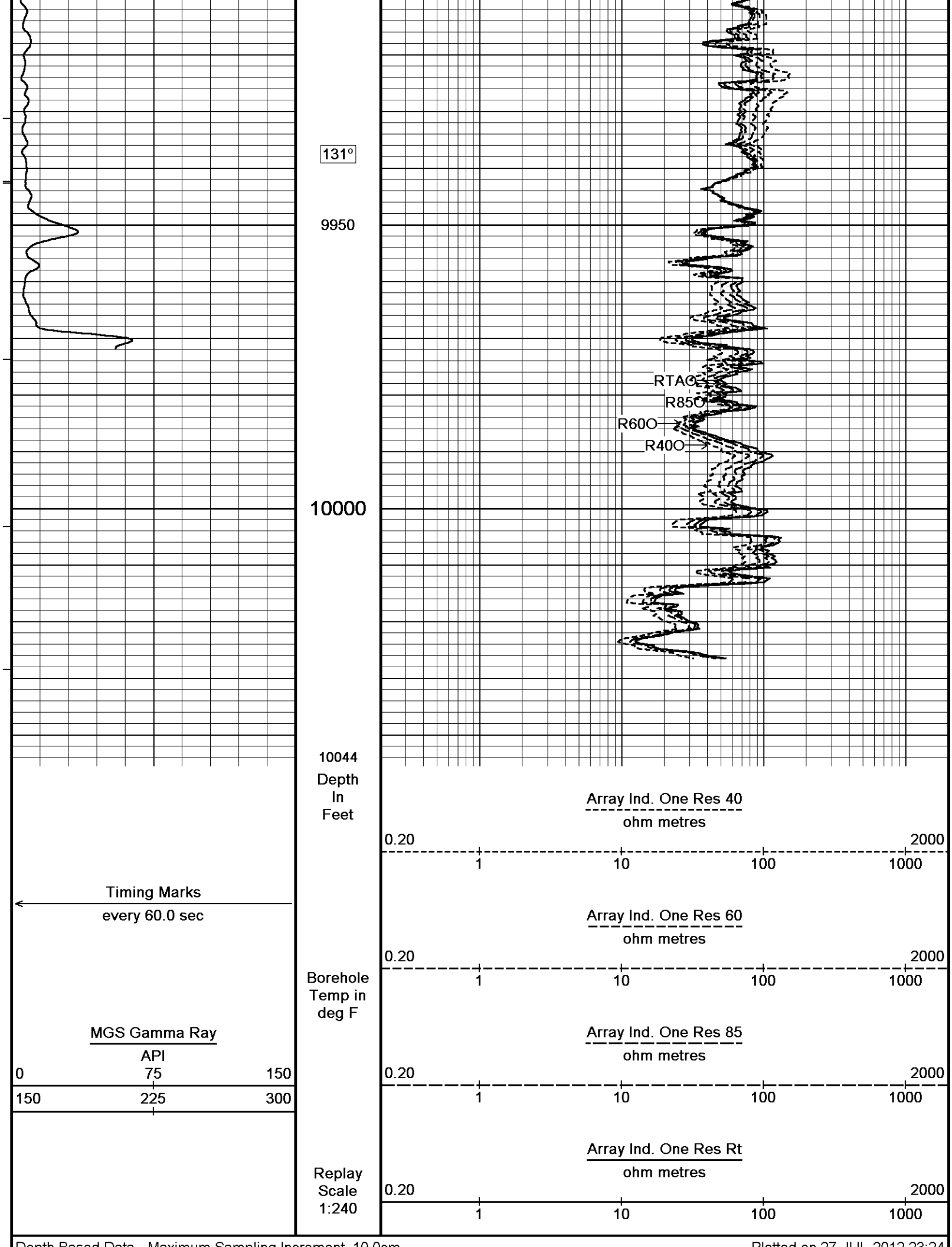

GRGM
132°
8850
132°
8900
132°
8950
132°
9000


132°
9050
132°
9100
132°
9150
132°
9200
132°
9250
GRGM
RTAO
R85O
R60O
R40O


132°
9300
132°
9350
132°
9400
132°
9450


132°
9500
132°
9550
RTAO
R85O
R60O
R40O
131°
GRGM
9600
131°
9650
131°


9700
131°
9750
131°
9800
131°
9850
131°
9900



Depth Based Data - Maximum Sampling Increment 10.0cm

Plotted on 27-JUL-2012 23:24

5 INCH MAIN LOG

BEFORE SURVEY CALIBRATION

C:\Data\SANDRIDGE SEAN 3119 2-18H\rtap sandridge depth.dta

General Constants All 000

Last Edited on 27-JUL-2012,22:37

General Parameters		
Mud Resistivity	0.560	ohm-metres
Mud Resistivity Temperature	84.000	degrees F
Water Level	0.000	feet
Density/Neutron Processing	Wet Hole	
Hole/Annular Volume and Differential Caliper Parameters		
HVOL Method	Single Caliper	
HVOL Caliper 1	Density Caliper	
HVOL Caliper 2	N/A	
Annular Volume Diameter	4.500	inches
Caliper for Differential Caliper	Density Caliper	
Rwa Parameters		
Porosity used	Base Density Porosity	
Resistivity used	Array Ind. Six Res Rt	
RWA Constant A	0.610	
RWA Constant M	2.150	

Strain Gauge Constants MMS-E.B 166

Last Edited on 05-JUL-2012,15:52

Atmospheric Pressure	14.70	psi
Serial Number	0	
Calibration Date	000000000000	
Base Check Date		
Dead Weight Serial Number	0	
Dead Weight Gravitational Correction	1.0	

Temperature	75.0		150.0		250.0		350.0	degrees F
Pressure psia	Inc.	Dec.	Inc.	Dec.	Inc.	Dec.	Inc.	Dec.
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10000.0	0.000		0.000		0.000		0.000	

MMS Parameters MMS-E.B 166

Last Edited on 31-AUG-2011 11:09

Logging Parameters		
Firmware Version	2v40	
Caliper Open On	MAI	
Caliper Open Delay	0.0	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	0.0	
Release Parameters		
Pulse Duration Base Level	10.0	seconds
Pulse Duration Transition Time	5.0	seconds
Pulse Duration Status Pulse From	10.0	seconds

Pulse Duration Caliper Close From	35.0	seconds
Pulse Duration Caliper Open From	50.0	seconds
Pulse Duration Release Pulse From	70.0	seconds
Pulse Duration Release Pulse To	100.0	seconds
Pulse Release Duration	30.0	seconds
Pulse Discriminator Pressure Band	96.0	seconds
Pulse Pressure Discriminator	213.0	seconds
Use Negative Pulsing	No	
Good Status Reply Open Hole	65535.0	seconds
Good Status Reply Cased Hole	10.0	seconds
Bad Status Reply	25.0	seconds
Status Pulse To	15.0	seconds
Caliper Close To	0.0	seconds
Caliper Open To	55.0	seconds

Configuration

MMS,MPD,MPD,MAI

Gamma Calibration MGS-C.J 134

Field Calibration on 26-JUL-2012,10:09

	Measured	Calibrated (API)
Background	78	56
Calibrator (Gross)	1037	752
Calibrator (Net)	960	696

Gamma Constants MGS-C.J 134

Last Edited on 23-MAR-2012 02:12

Gamma Calibrator Number	696	
Mud Density	1.03	gm/cc
Caliper Source for Processing	Bit Size	
Tool Position	Centred	
Concentration of KCl	0.00	kppm

High Resolution Temperature Constants MGS-C.J 134

Last Edited on

Pre-filter Length	11

Neutron Calibration MDN-B.J 391

Base Calibration on 02-FEB-2012 17:34
Field Check on 26-JUL-2012,10:08

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	3186	96	3714	110
Ratio	33.156		33.764	

Field Calibrator at Base

	Calibrated (cps)	
	2267	3463
Ratio	0.655	

Field Check

	Calibrated (cps)	
	2043	3377
Ratio	0.605	

Neutron Constants MDN-B.J 391

Last Edited on 21-JUN-2012,23:53

Neutron Source Id	N1055	
Neutron Jig Number	N639	
Epithermal Neutron	No	
Caliper Source for Processing	Density Caliper	
Stand-off	0.00	inches
Mud Density	1.00	gm/cc
Limestone Sigma	7.10	cu
Sandstone Sigma	4.26	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	Constant Value	
Formation Pressure	0.00	kpsi
Temperature Source	None	
Temperature	N/A	degrees F
Mud Salinity	0.00	kppm
Salinity Correction	Not Applied	
Formation Fluid Salinity Source	Constant Value	
Formation Fluid Salinity	0.00	kppm

Formation Fluid Salinity	0.00	kppm
Barite Mud Correction	Not Applied	

FE Calibration MFE-B.J 363

Base Calibration on 29-JUN-2012 13:12
Field Check on 27-JUL-2012 07:30

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	963.1	126.8
Base Check		281.8
Field Check		282.0

FE Constants MFE-B.J 363

Last Edited on 29-JUN-2012,13:06

Running Mode	No Sleeve	
MFE K Factor	0.1268	
Caliper Source for FE correction	Bit Size	
Caliper Value for FE correction	N/A	inches
Rm Source for FE correction	Temperature Corr	
Temp. for Rm Corr.	MCG External Temperature	
Stand-off	0.5	inches

Induction Calibration MAI-B.J 426

Base Calibration on 23-JUL-2012,23:22
Field Check on 27-JUL-2012 07:29

Base Calibration

Test Loop Calibration

Channel	Measured Low	Measured High	Calibrated (mmho/m) Low	Calibrated (mmho/m) High
1	15.8	449.0	9.3	966.2
2	5.8	359.2	7.6	821.4
3	3.3	245.2	5.2	566.0
4	1.8	127.2	2.6	279.2

Array Temperature 75.2 Deg F

Channel	Base Check (mmho/m) Low	Base Check (mmho/m) High	Field Check (mmho/m) Low	Field Check (mmho/m) High
1	0.0	0.0	16.6	4035.2
2	0.0	0.0	32.2	3745.5
3	0.0	0.0	30.1	3220.2
4	0.0	0.0	20.4	2168.3
Deep	0.0	0.0	18.3	2068.2
Medium	0.0	0.0	43.7	4278.4
Shallow	0.0	0.0	48.3	5579.9
Array Temperature	0.0		84.4	Deg F

Induction Constants MAI-B.J 426

Last Edited on 27-JUL-2012,22:37

Induction Model	RtAP-WBM	
Caliper for Borehole Corr.	Constant Value	
Hole Size for Borehole Correction	6.125	inches
Tool Centred	No	
Stand-off Type	Fins	
Stand-off	0.00	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	Constant Value	
Temp. for Rm Corr.	N/A	
Squasher Start	0.0020	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	

High Resolution Temperature Constants MAI-B.J 426

Last Edited on

Pre-filter Length	11

Caliper Calibration MPD-B 166

Base Calibration on 20-JUL-2012,11:40
Field Calibration on 20-JUL-2012 11:45

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	11102	4.02
2	20537	5.96
3	30848	8.03
4	41232	10.02
5	51982	12.01
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
7.91	7.98

Photo Density Calibration MPD-B 166

Base Calibration on 20-JUL-2012,10:36
Field Check on 27-JUL-2012 07:36

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	49845	22463	59869	31110
Reference 2	20737	2400	24557	2522

Field Check at Base

1190.7	1364.5

Field Check

1187.1	1360.5

PE Calibration

Base Calibration	Measured			Calibrated
	WS	WH	Ratio	Ratio
Background	215	1064		
Reference 1	19934	49660	0.406	0.369
Reference 2	5690	20604	0.280	0.271

Field Check at Base

215.4	1064.3

Field Check

215.7	1062.8

Density Constants MPD-B 166

Last Edited on 23-JUL-2012,00:17

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	1.00	gm/cc
Mud Density Z/A Multiplier	1.11	
Mud Filtrate Density	1.00	gm/cc

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 (m)
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	

DOWNHOLE EQUIPMENT

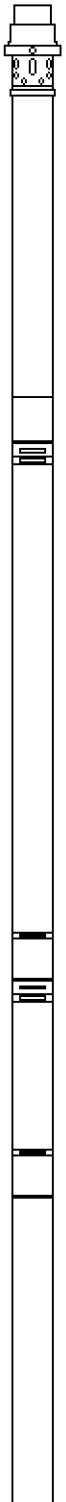
C:\Data\SANDRIDGE SEAN 3119 2-18H\rtap sandridge depth.dta

Shuttle Running Tool 3.5")
SRT-A.A 59 LG: 6.62 ft WT: 37.5 lb OD: 2.52 in

MBS-G.A 200v Compact Battery Sub
MBS-G.A 116 LG: 10.22 ft WT: 66.1 lb OD: 2.24 in

Compact Memory Sub E.B
MMS-E.B 166 LG: 5.20 ft WT: 37.5 lb OD: 2.24 in

Compact Tool Isolator sub.
MTI-B.A 62 LG: 1.54 ft WT: 13.2 lb OD: 2.24 in



Compact Short Gamma
MGS-C.J 134 LG: 3.41 ft WT: 24.3 lb OD: 2.24 in

61.76 ft GRGM - MGS Gamma Ray

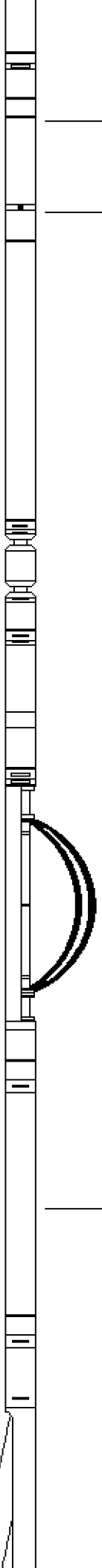
59.77 ft GSXT - MGS External Temperature

Compact Collar Locator
MCL-B.J 72 LG: 3.17 ft WT: 26.5 lb OD: 2.24 in

SKJ-E.B Compact Knuckle Joint
SKJ-E.B 474 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

SHA-J.A Compact Swivel Head Adaptor
SHA-J.A 434 LG: 2.30 ft WT: 22.0 lb OD: 2.24 in

MIS-D.A Compact Inline Bowspring sub
MIS-D.A 310 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in

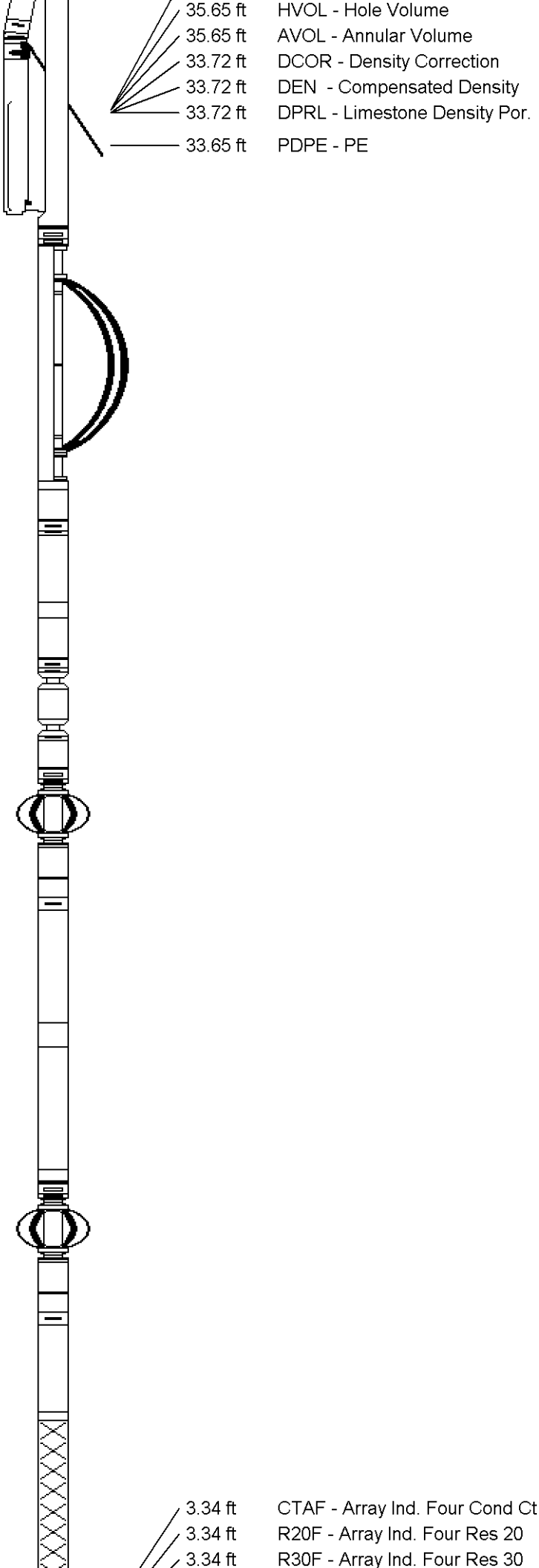


Compact Neutron
MDN-B.J 391 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

42.89 ft NPRL - Limestone Neutron Por.

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

35.65 ft CLDC - Density Caliper



MIS-A.A Compact Inline Bowspring sub
MIS-A.A 275 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in

SHA-J.A Compact Swivel Head Adaptor
SHA-J.A 431 LG: 2.30 ft WT: 22.0 lb OD: 2.24 in

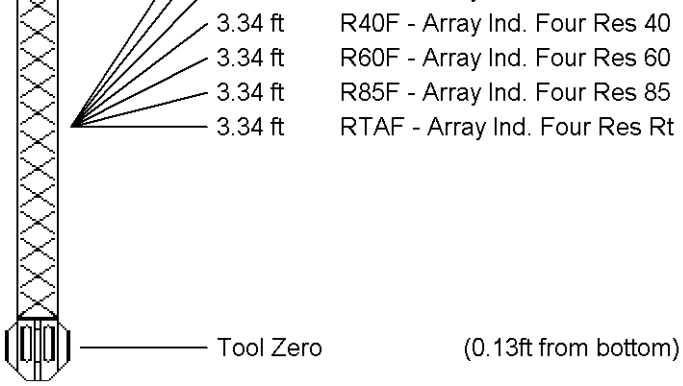
SKJ-E.B Compact Knuckle Joint
SKJ-E.B 478 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

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

Compact Focussed Electric
MFE-B.J 363 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

MIS-E.B Compact Inline Standoff sub
MIS-E.B 580 LG: 2.14 ft WT: 15.4 lb OD: 2.24 in

Compact Induction
MAI-B.J 426 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in



Total Length: 86.25 ft Weight: 632.7 lb All measurements relative to tool zero.

COMPANY	Sandridge Energy
WELL	Sean 3119 2-18H
FIELD	
PROVINCE/COUNTY	Comanche
COUNTRY/STATE	U.S.A. / Oklahoma

Elevation Kelly Bushing	2201.00	feet	First Reading	10028.00	feet
Elevation Drill Floor	2200.00	feet	Depth Driller	10066.00	feet
Elevation Ground Level	2181.00	feet	Depth Logger	10063.00	feet

Weatherford®

CML MESSENGER SHUTTLE ARRAY INDUCTION LOG

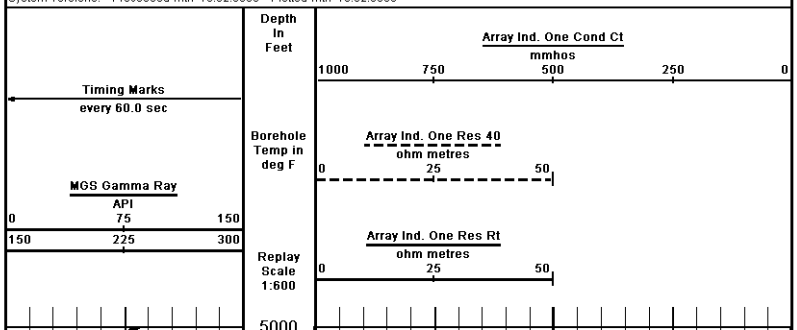
COMPANY	Sandridge Energy
WELL	Sean 3119 2-18H
FIELD	
PROVINCE/COUNTY	Comanche
COUNTRY/STATE	U.S.A. / Oklahoma
LOCATION	250' FNL & 900' FEL
SEC	19
TWP	31S
RGE	19W
Other Services	MPDIMDN
API Number	15-033-21652
Permit Number	
Permanent Datum G.L. Elevation 2181 feet	
Log Measured From KB	
Drilling Measured From K.B. @ 18 FEET	
Elevations: KB	2201.00 feet
DF	2200.00
GL	2181.00
Date	26-JUL-2012
Run Number	ONE
Depth Driller	10066.00 feet
Depth Logger	10063.00 feet
First Reading	10028.00 feet
Last Reading	5100.00 feet
Casing Driller	5623.00 feet
Casing Logger	5604.00 feet
Bit Size	6.125 inches
Hole Fluid Type	WBM
Density/Viscosity	8.60 gpt 27.00 CP
PH / Fluid Loss	8.50 60.00 ml/30Min
Sample Source	FLOWLINE
Rm @ Measured Temp	1.06 @ 86.0 ohm-m
Rmf @ Measured Temp	0.85 @ 86.0 ohm-m
Rmc @ Measured Temp	1.27 @ 86.0 ohm-m
Source Rmf/Rmc	CALC CALC
Rm @ BHT	0.69 @132.0 ohm-m
Time Since Circulation	1 HOUR
Max Recorded Temp	132.00 deg F
Equipment Name	COMPACT
Equipment/ Base	OKC
Recorded By	18077 STEVEN TOTTEY
Witnessed By	KATHY GENTRY
S.O. #/FE #	3536726 DC12087

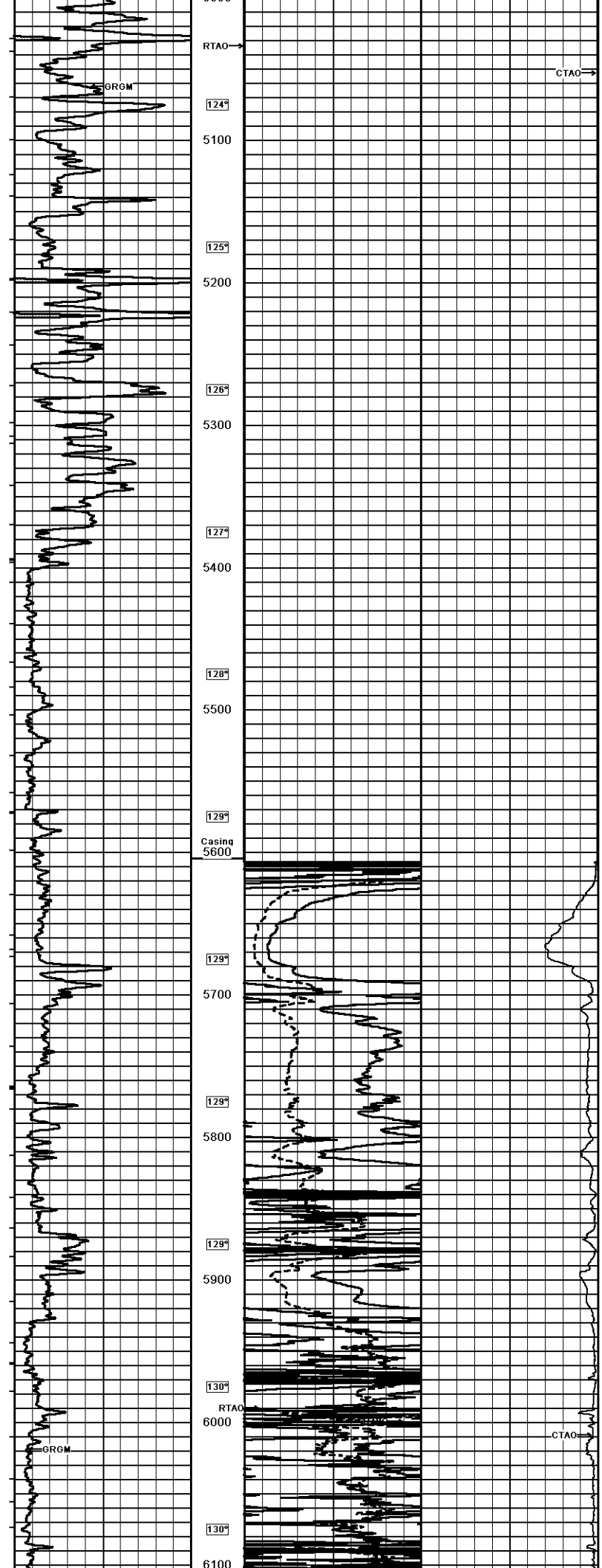
CML MESSENGER SHUTTLE
ARRAY INDUCTION
LOG

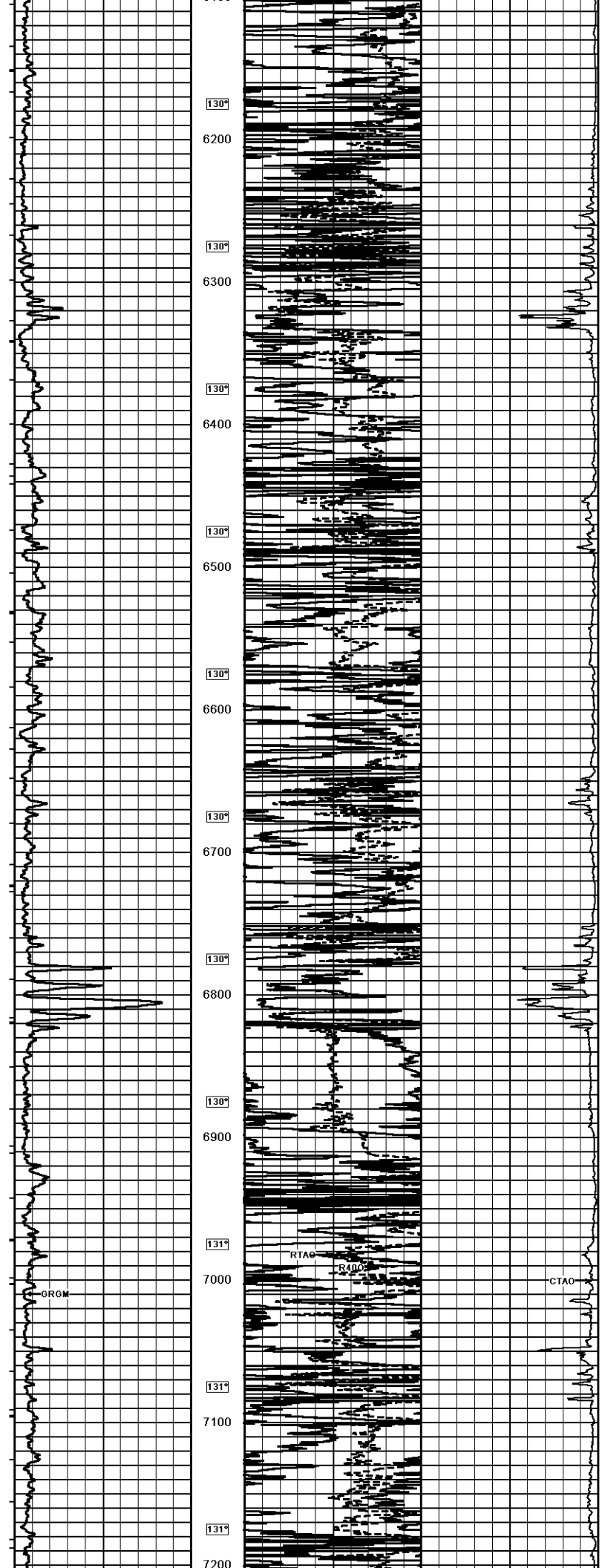
1 INCH MAIN LOG

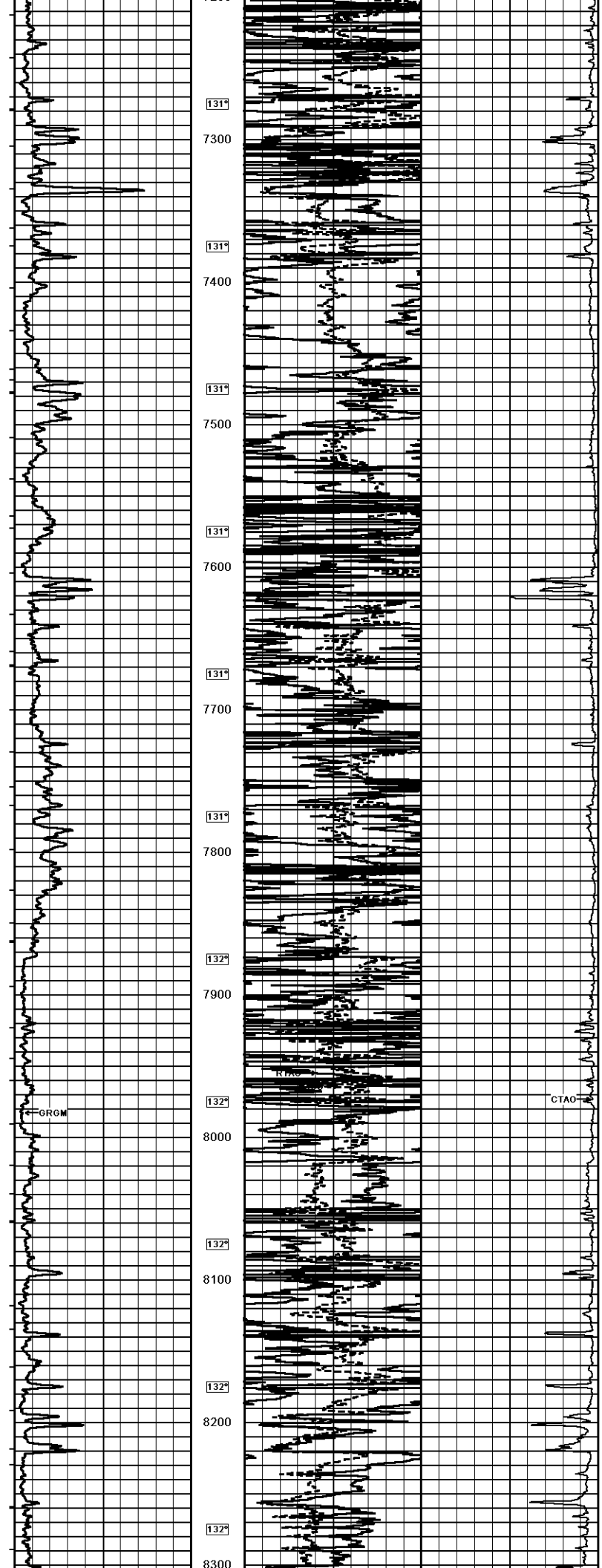
Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Data\SANDRIDGE SEAN 3119 2-18H\rtap sandridge depth.dta
System Versions: Processed with 13.02.6600 Plotted with 13.02.6600

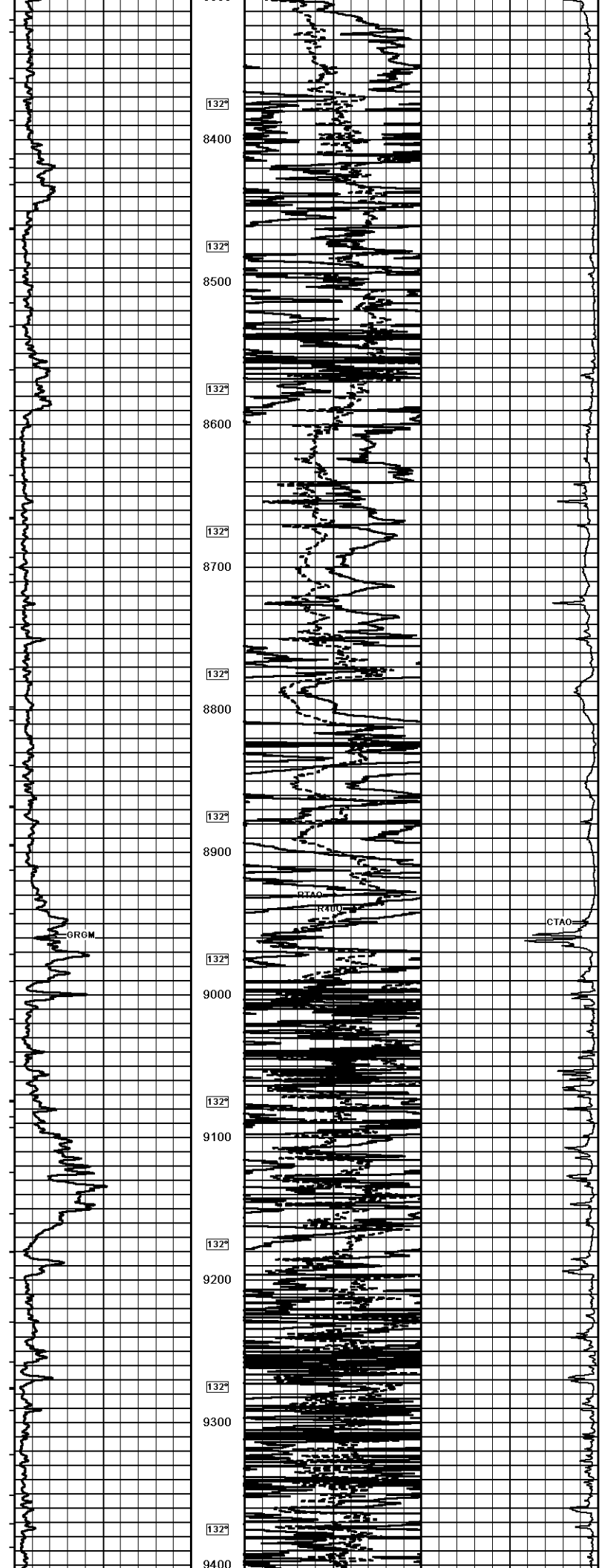
Plotted on 27-JUL-2012 23:24
Recorded on 27-JUL-2012 22:25

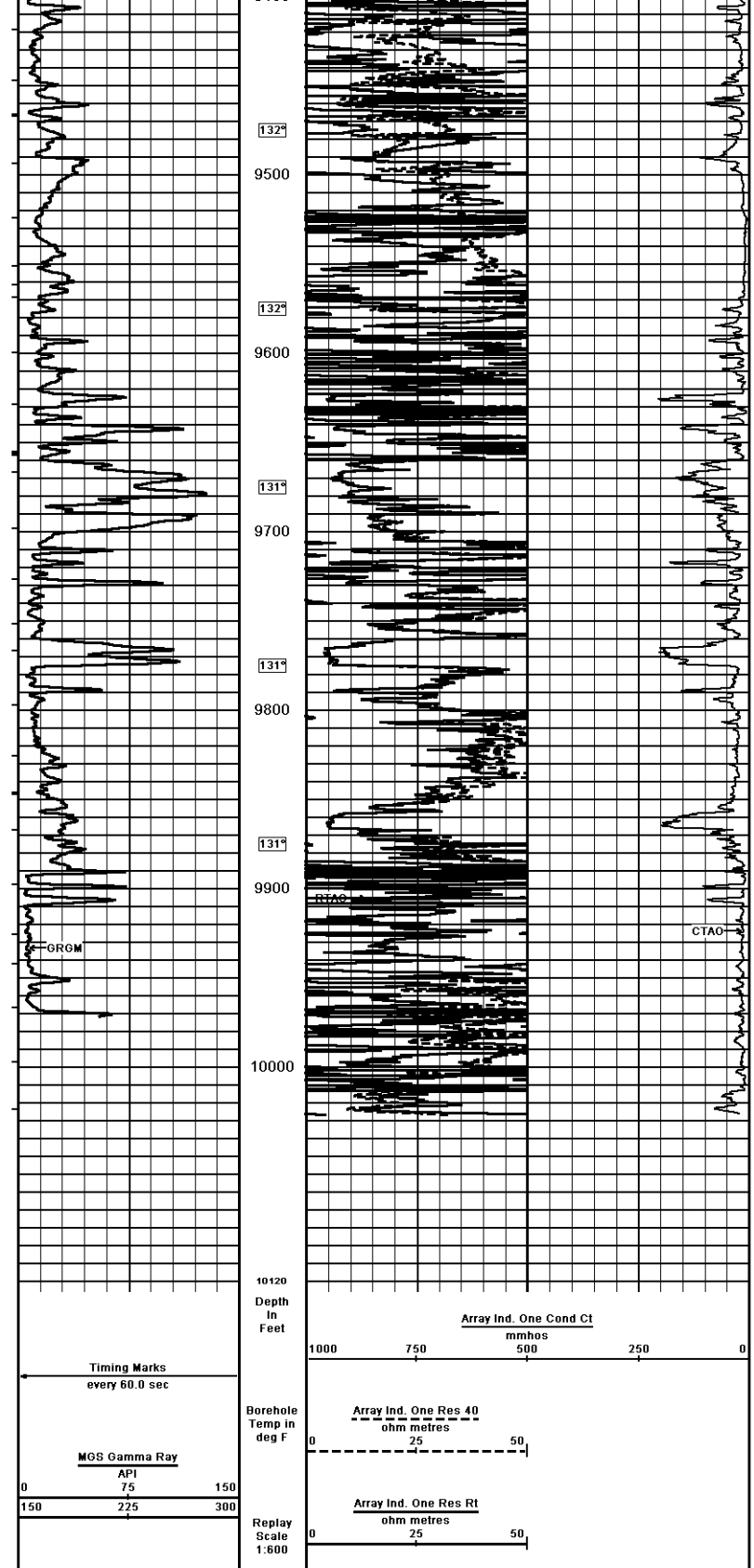



RTAO
GRGM
CTAO
124°
5100
125°
5200
126°
5300
127°
5400
128°
5500
129°
Casing
5600
129°
5700
129°
5800
129°
5900
130°
RTAO
6000
GRGM
CTAO
130°
6100


130°
6200
130°
6300
130°
6400
130°
6500
130°
6600
130°
6700
130°
6800
130°
6900
131°
7000
131°
7100
131°
7200
GRGM
RTAO
R4DO
CTAO


131°
7300
131°
7400
131°
7500
131°
7600
131°
7700
131°
7800
132°
7900
R1A0
132°
CTAO
GRGM
8000
132°
8100
132°
8200
132°
8300


132°
8400
132°
8500
132°
8600
132°
8700
132°
8800
132°
8900
RTAO
R400
GRGM
CTAO
132°
9000
132°
9100
132°
9200
132°
9300
132°
9400



Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 27-JUL-2012 23:24
Filename: C:\Data\SANDRIDGE SEAN 3119 2-18H\rtap sandridge depth.dta
Recorded on 27-JUL-2012 22:25
System Versions: Processed with 13.02.6600 Plotted with 13.02.6600

1 INCH MAIN LOG

COMPANY	Sandridge Energy
WELL	Sean 3119 2-18H
FIELD	
PROVINCE/COUNTY	Comanche
COUNTRY/STATE	U.S.A. / Oklahoma

Elevation Kelly Bushing	2201.00	feet	First Reading	10028.00	feet
Elevation Drill Floor	2200.00	feet	Depth Driller	10066.00	feet
Elevation Ground Level	2181.00	feet	Depth Logger	10063.00	feet

Weatherford

CML MESSENGER SHUTTLE
ARRAY INDUCTION
LOG