Weatherford®

CML IMPULSE SHUTTLE
COMPACT PHOTO DENSITY
COMPENSATED NEUTRON LOG

COMPANY	SANDRIDGE ENERGY
WELL	FALDTZ 2231 2-26H
FIELD	STEWART
PROVINCE/COUNTY	FINNEY
COUNTRY/STATE	U.S.A. / KANSAS
LOCATION	2640' FSL & 2200' FEL

SEC	TWP	RGE	Other Services
26	22S	31W	MAI

Latitude
Longitude
API Number 15-055-222570100

Permanent Datum G.L., Elevation 2890 feet
Log Measured From KB
Drilling Measured From K.B. @ 11 FEET

Elevations:	feet
KB	2901.00
DF	2901.00
GL	2890.00

Date	20-JAN-2014			
Run Number	ONE			
Service Order	3441-77442537			
Depth Driller	6979.00	feet		
Depth Logger	6979.00	feet		
First Reading	6934.00	feet		
Last Reading	1870.00	feet		
Casing Driller	5492.00	feet		
Casing Logger	5493.00	feet		
Bit Size	6.125	inches		
Hole Fluid Type	WBM			
Density / Viscosity	9.40 lb/USg	37.00 CP		
PH / Fluid Loss	9.30			
Sample Source	FLOWLINE			
Rm @ Measured Temp	1.80 @ 70.0	ohm-m		
Rmf @ Measured Temp	1.35 @ 70.0	ohm-m		
Rmc @ Measured Temp	2.70 @ 70.0	ohm-m		
Source Rmf / Rmc	CALC	CALC		
Rm @ BHT	0.99 @129.0	ohm-m		
Time Since Circulation	1.5 HOUR			
Max Recorded Temp	129.00	deg F		
Equipment / Base	18077	OKC		
Recorded By	M. JOHNSON			
Witnessed By	W. SCOTT			

BOREHOLE RECORD

Last Edited: 21-JAN-2014 07:00

Bit Size inches	Depth From feet	Depth To feet
12.750	0.00	1870.00
8.750	1870.00	5493.00
6.125	5493.00	6979.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	9.625	0.00	1870.00	36.00
INTERMED	7.000	800.00	5493.00	26.00

REMARKS

LOGGED WITH WLS_13.06.9804 SOFWARE

LOGGED USING IMPULSE METHOD OF DEPLOYMENT AND MEMORY LOGGING SYSTEM
LOGGED WITH ADVANTAGE DEPTH SYSTEM_CORRECTED BACK TO PIPE STRAP

LOGGING STRING: SMR-148,SER-184,MBS-131, MTI-076,MGS-108,MCL-049,SKJ-472,SHA-472,MISD-606,MDN-391,MPD-395,MISD-435, SHA-438,SKJ-438,MISE-572,MFE-395,MISE-575,MAI-170

HARDWARE: MAI: MISE 0.5 INCH STANDOFF ABOVE AND ISA 0.5 INCH STANDOFF BELOW
MFE: MISE 0.5 INCH STANDOFF ABOVE
MPD: 4" PROFILE PLATE, MISD SINGLE BOWSPRING DECENTRALIZER BELOW
MDN: MISD DOUBLE BOWSPRING DECENTRALIZER ABOVE

2.71 G/CC DENSITY MATRIX USED TO CALCULATE DENSITY POROSITY
ALL INTERVALS LOGGED AND SCALED PER CUSTOMER REQUEST

ALL INTERVALS LOGGED AND SCALED PER CUSTOMER REQUEST

FRESH WATER WAS BEING USE TO FILL HOLE

DRILL PIPE DEPTH DURING DEPLOYMENT - 6880
LOGGING TOOL DEPTH AFTER DEPLOYMENT - 6965

SERVICE ORDER #3441-77442537
RIG: HORIZON #4

OPERATERS: R. BRADSHAW, B. BALLINGER

5 INCH MAIN LOG

Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\DATA\Sandridge_Faldtz 2231 2-26H\Faldtz 2231 2-26H_Rtap.dta
System Versions: Processed with 13.06.9804 Plotted with 13.06.9804

Plotted on 16-APR-2014 12:04
Recorded on 21-JAN-2014 05:30

Timing Marks
every 60.0 sec

Density Caliper
inches
4 9 14

MGS Gamma Ray
API
0 75 150
150 225 300

Bit Size
inches
4 9 14

Depth In Feet

Borehole Temp in deg F

HVI every 10 cu ft

Annular Integral every 10 cu ft

Replay Scale 1:240

1868

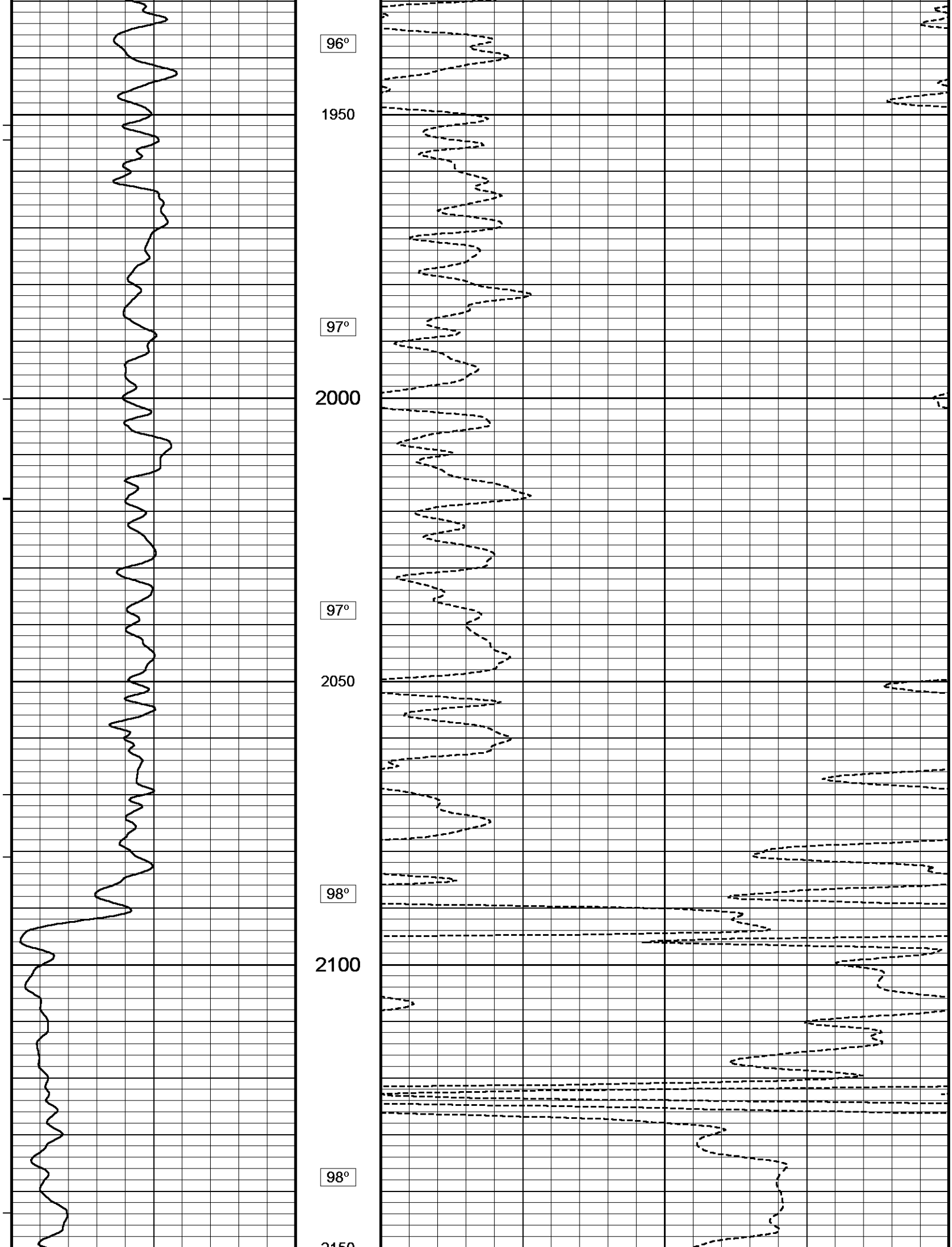
1900

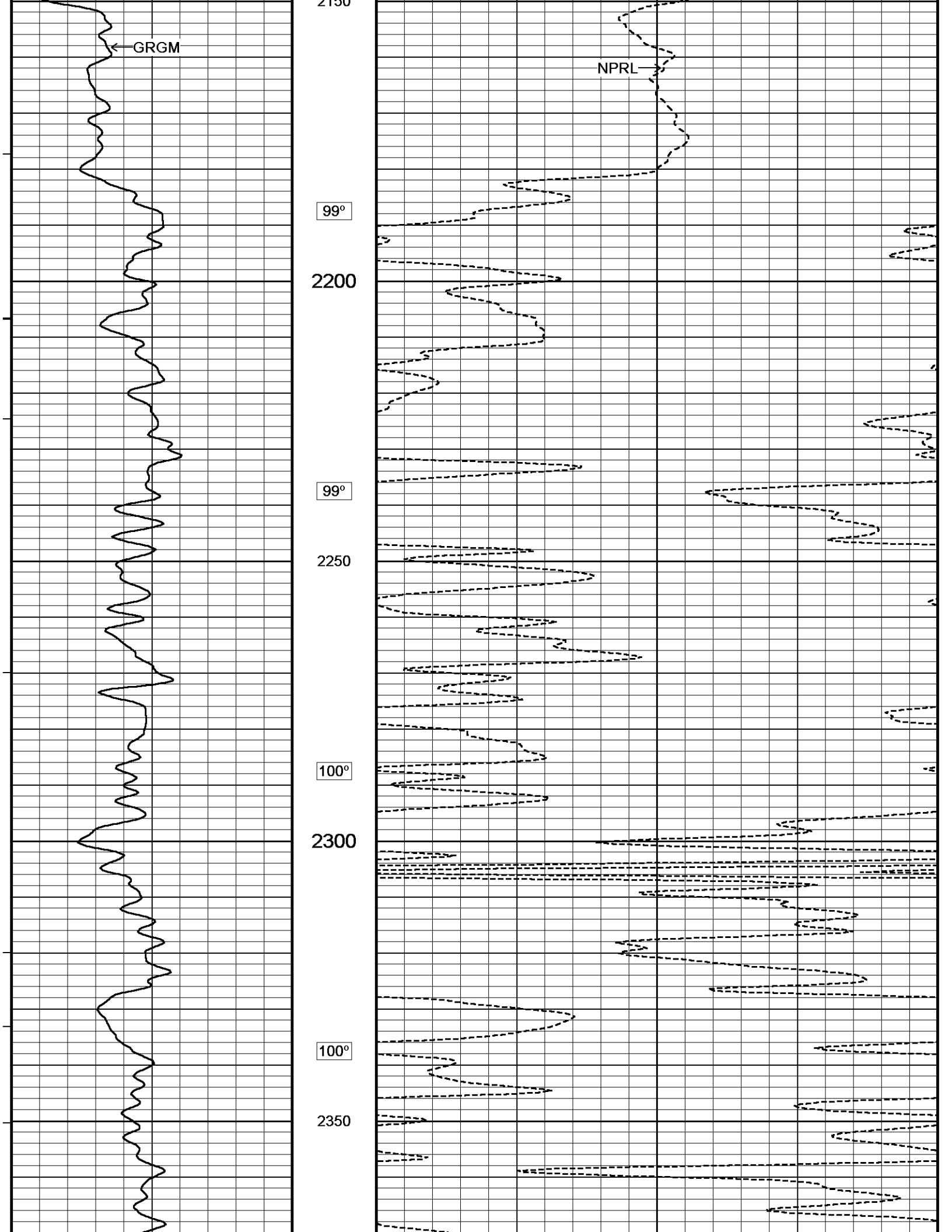
Limestone Neutron Por.
percent
30 20 10 0 -10

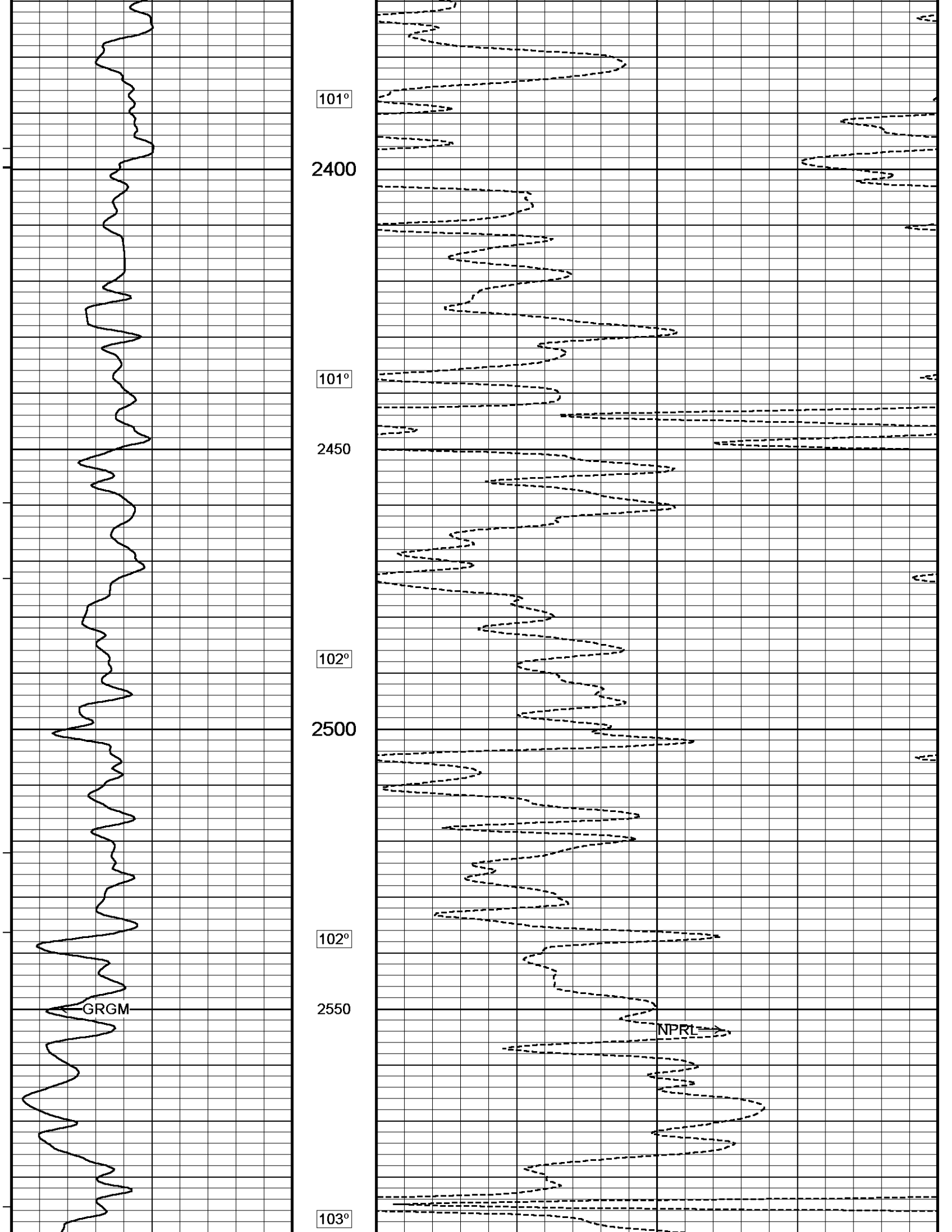
Limestone Density Por.
percent
30 20 10 0 -10

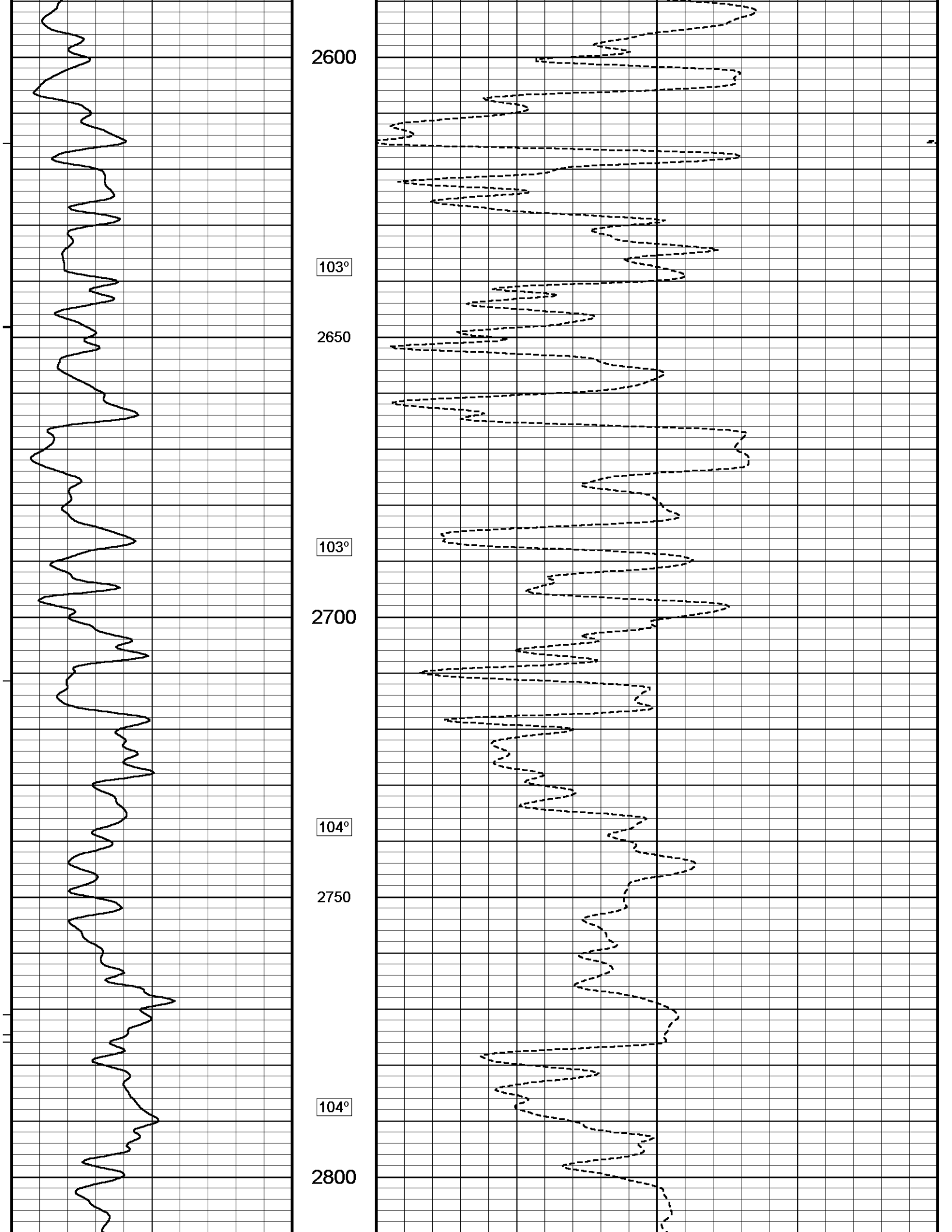
PE
barns/electron
0 5 10

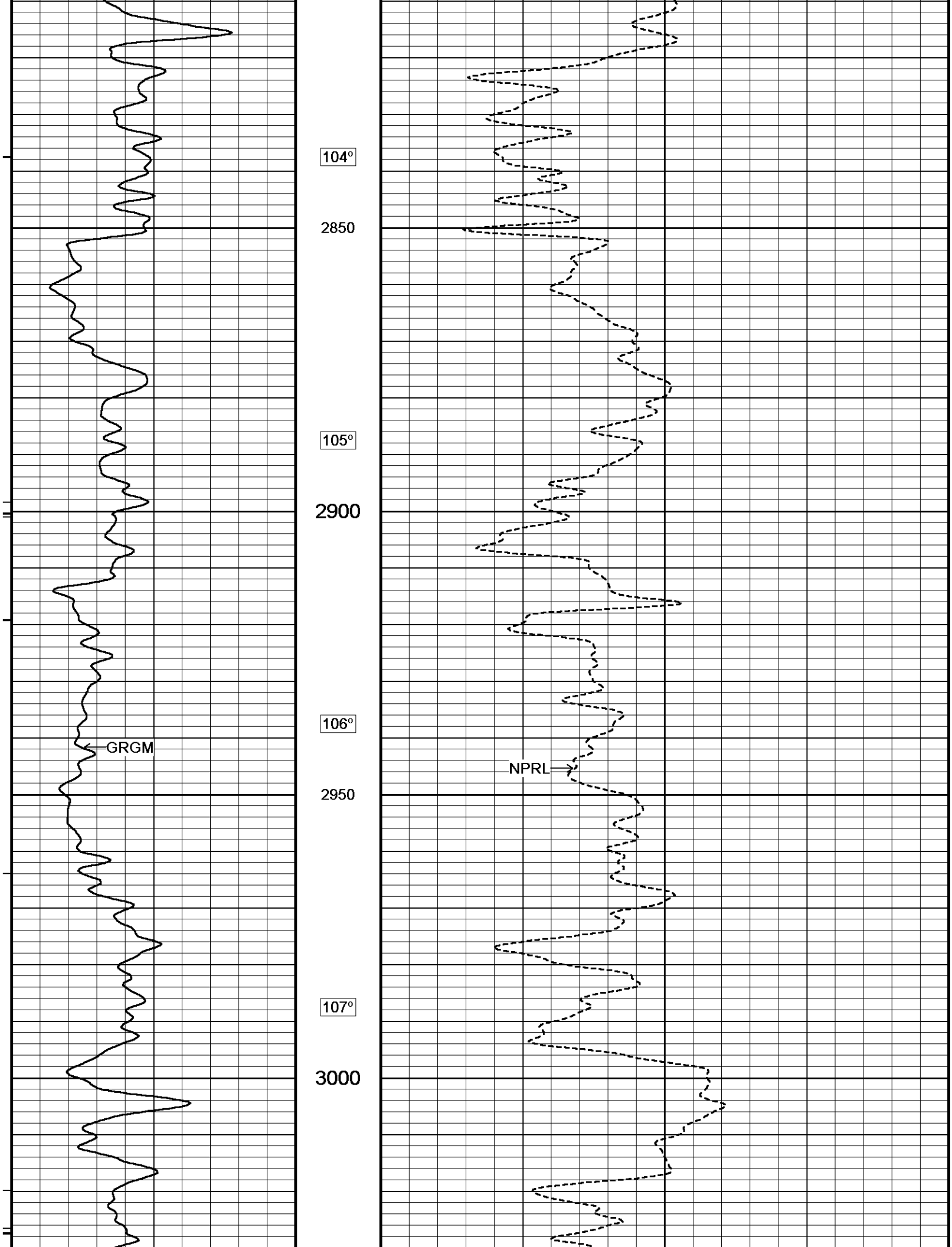
Density Correction
grams/cc
-0.50 0 0.50

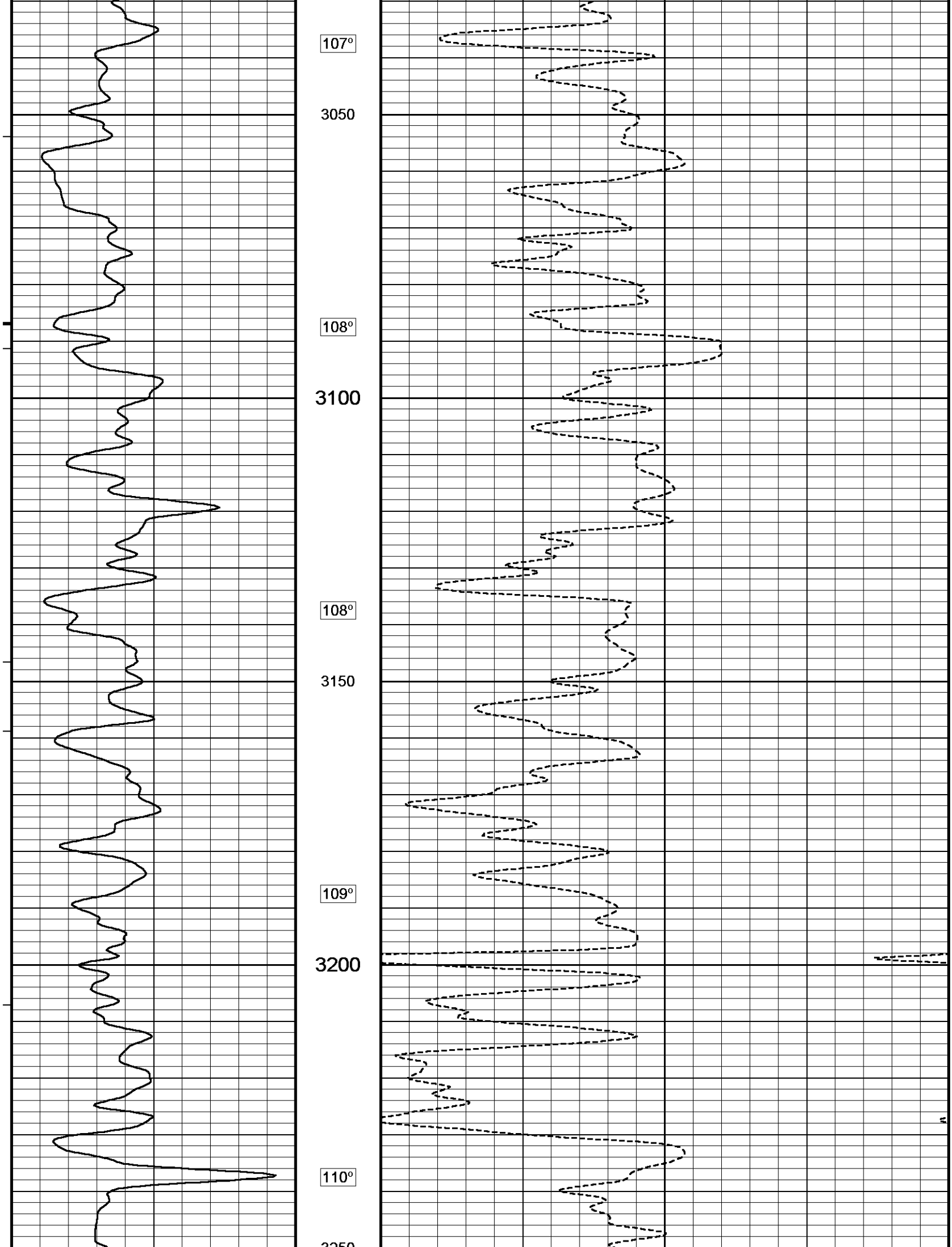

96°
1950
97°
2000
97°
2050
98°
2100
98°

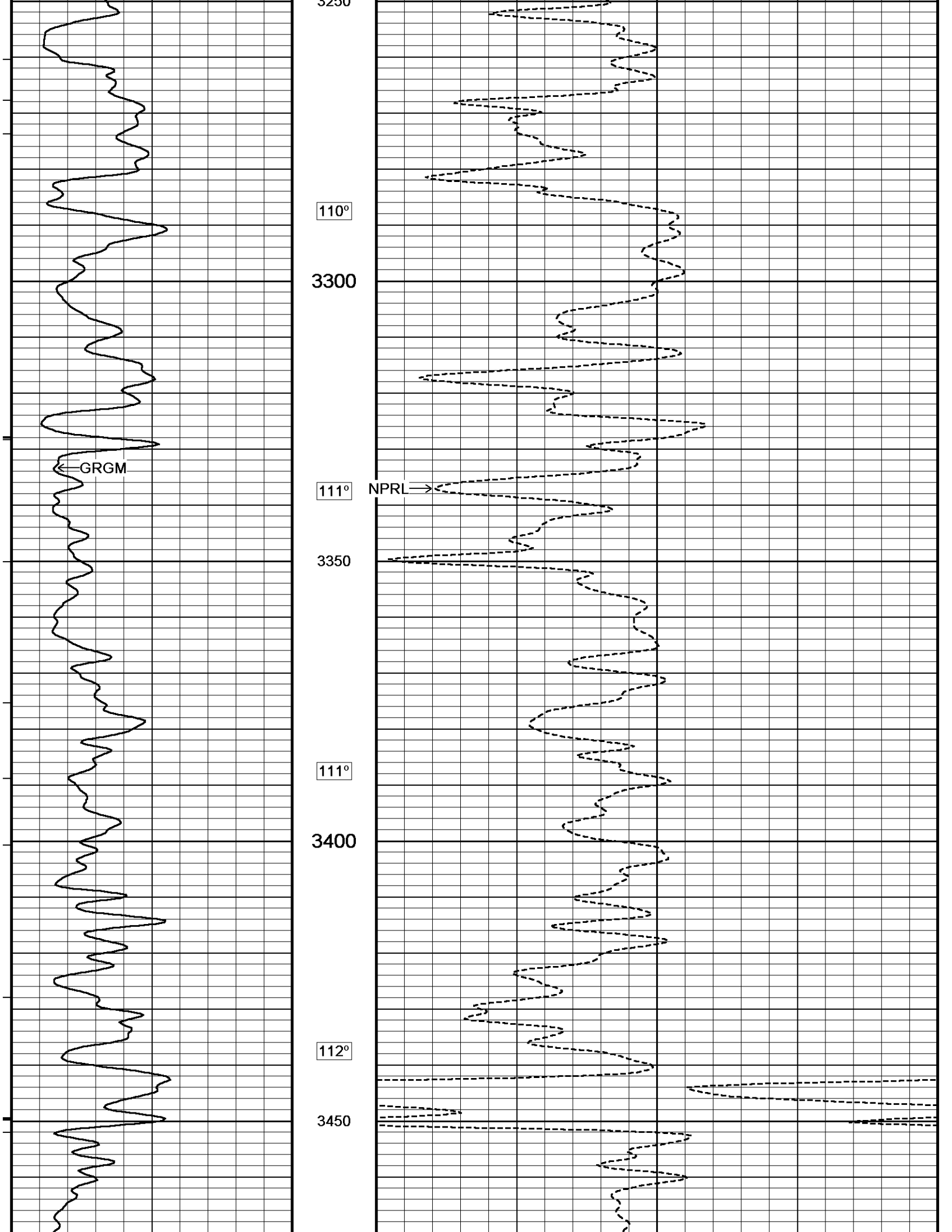

GRGM
NPRL
2150
99°
2200
99°
2250
100°
2300
100°
2350

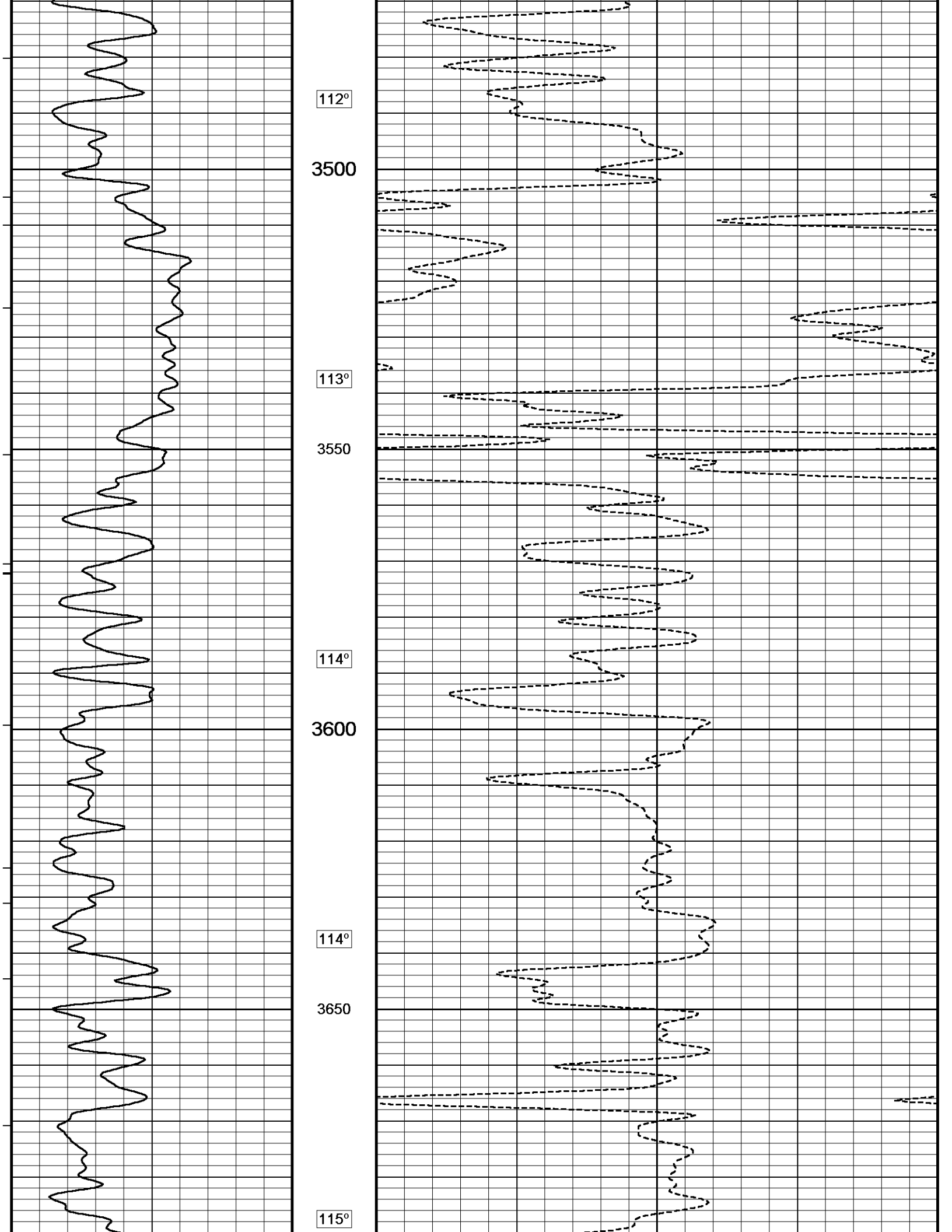

101°
2400
101°
2450
102°
2500
102°
GRGM
2550
NPRL
103°


2600
103°
2650
103°
2700
104°
2750
104°
2800


104°
2850
105°
2900
106°
GRGM
NPRL
2950
107°
3000


107°
3050
108°
3100
108°
3150
109°
3200
110°


3250
110°
3300
GRGM
111°
NPRL
3350
111°
3400
112°
3450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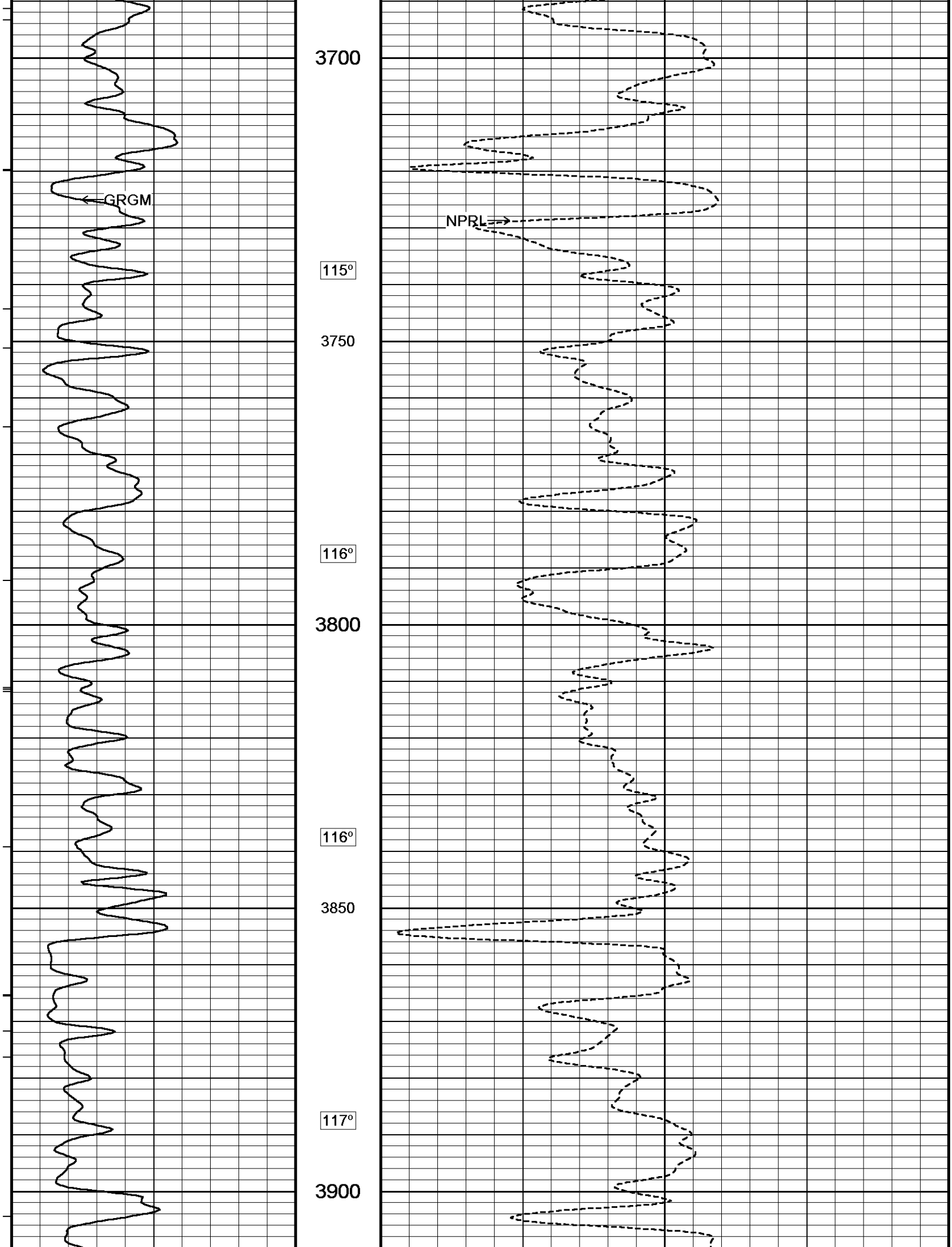
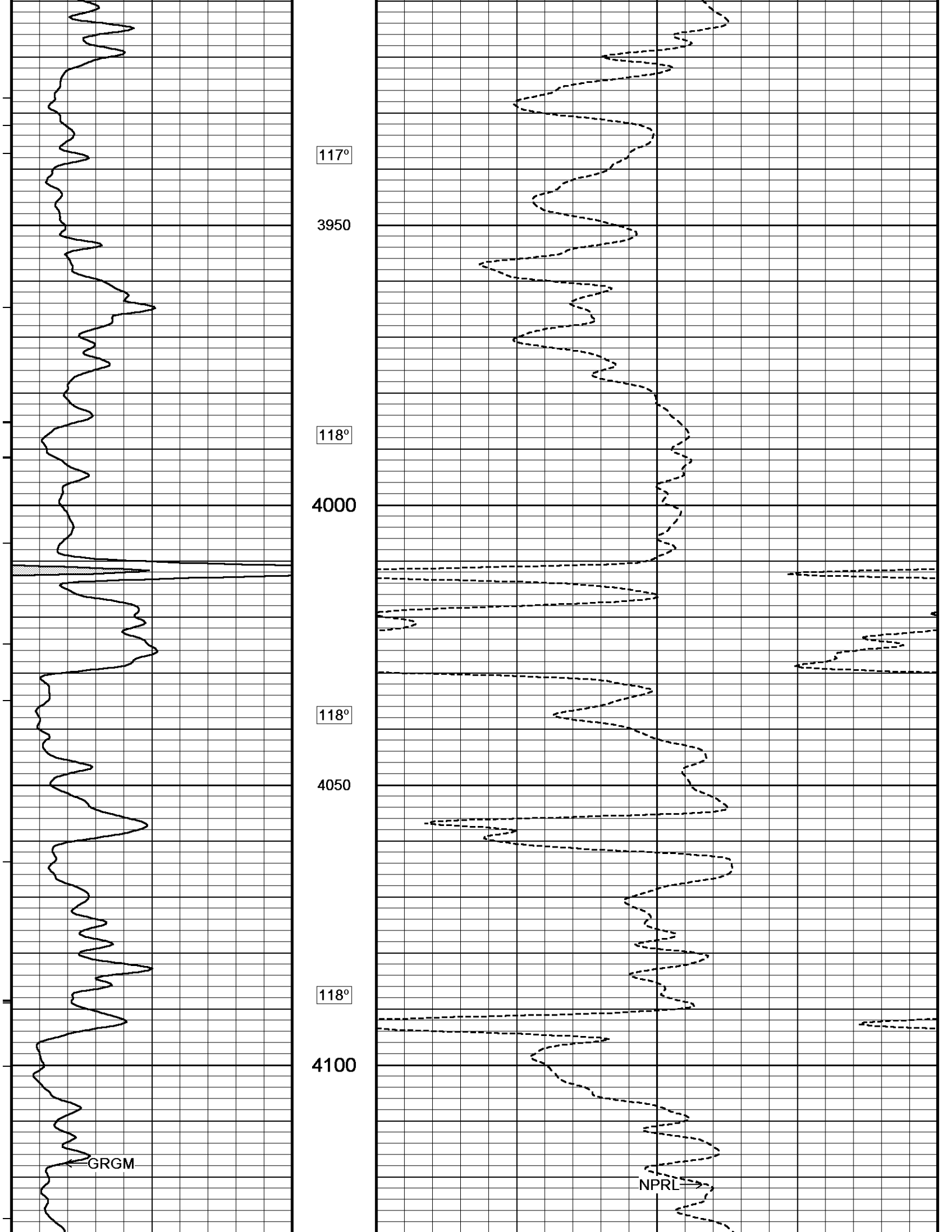
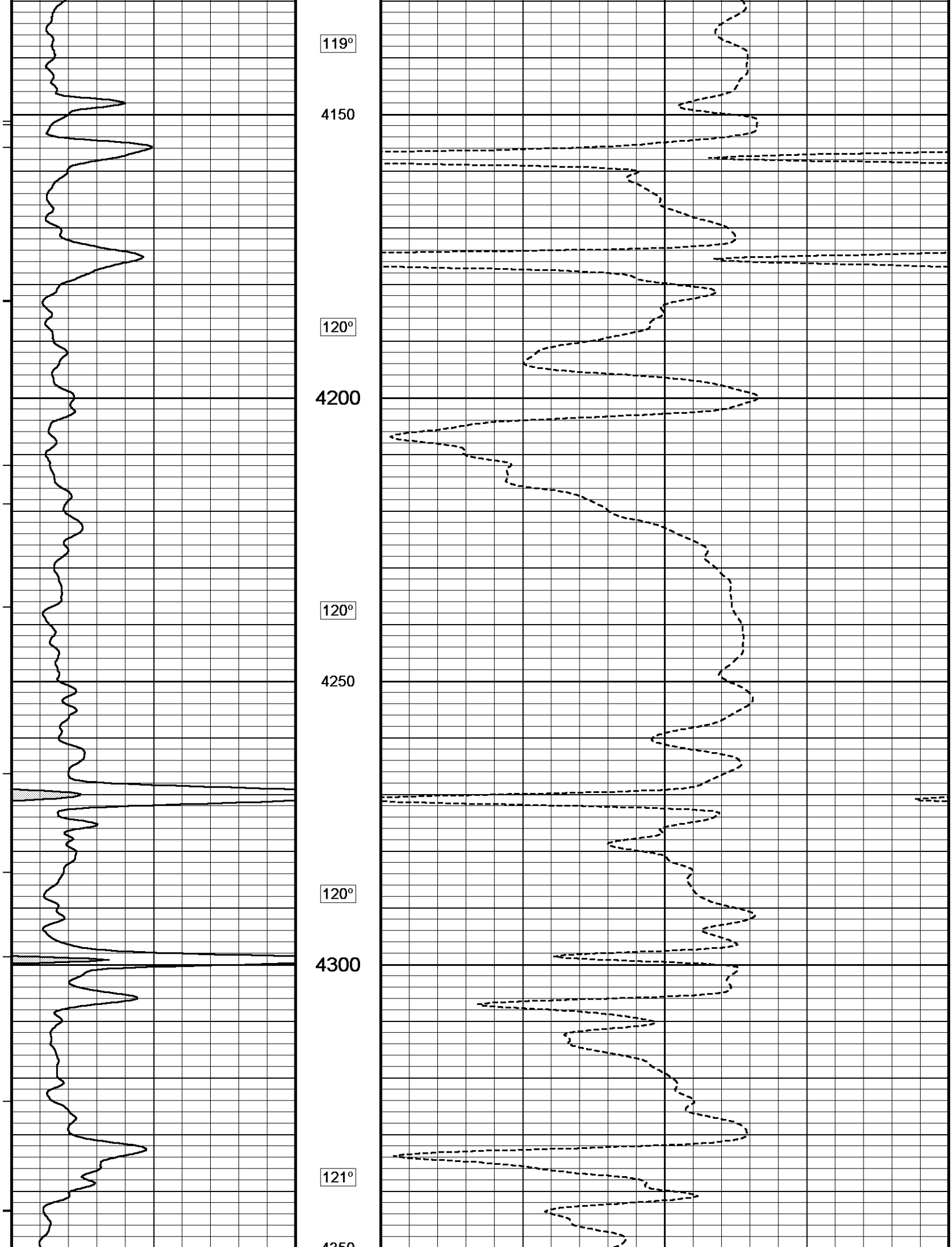
3500
113°
3550
114°
3600
114°
3650
115°


GRGM
NPRL
3700
115°
3750
116°
3800
116°
3850
117°
3900


117°
3950
118°
4000
118°
4050
118°
4100
GRGM
NPRL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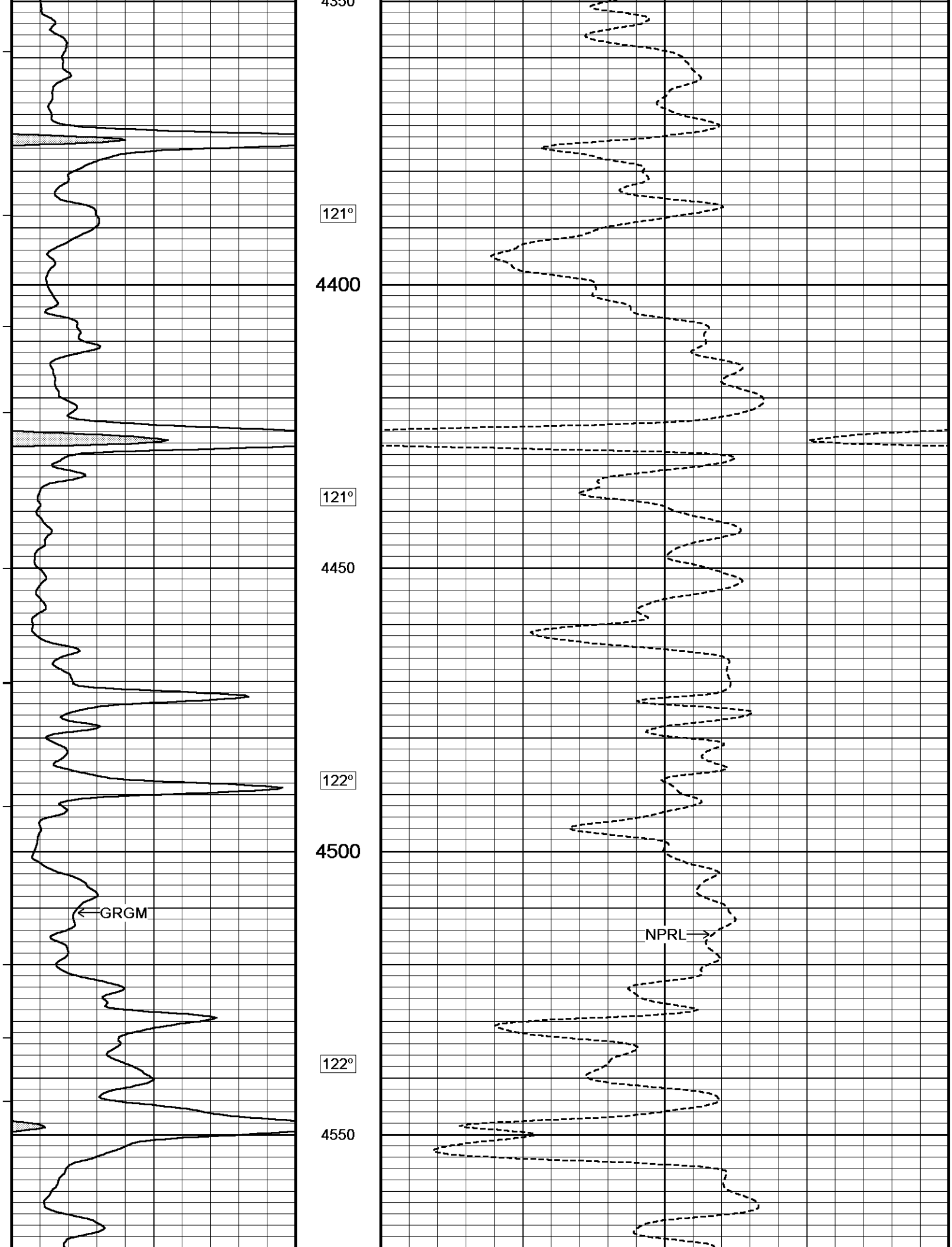
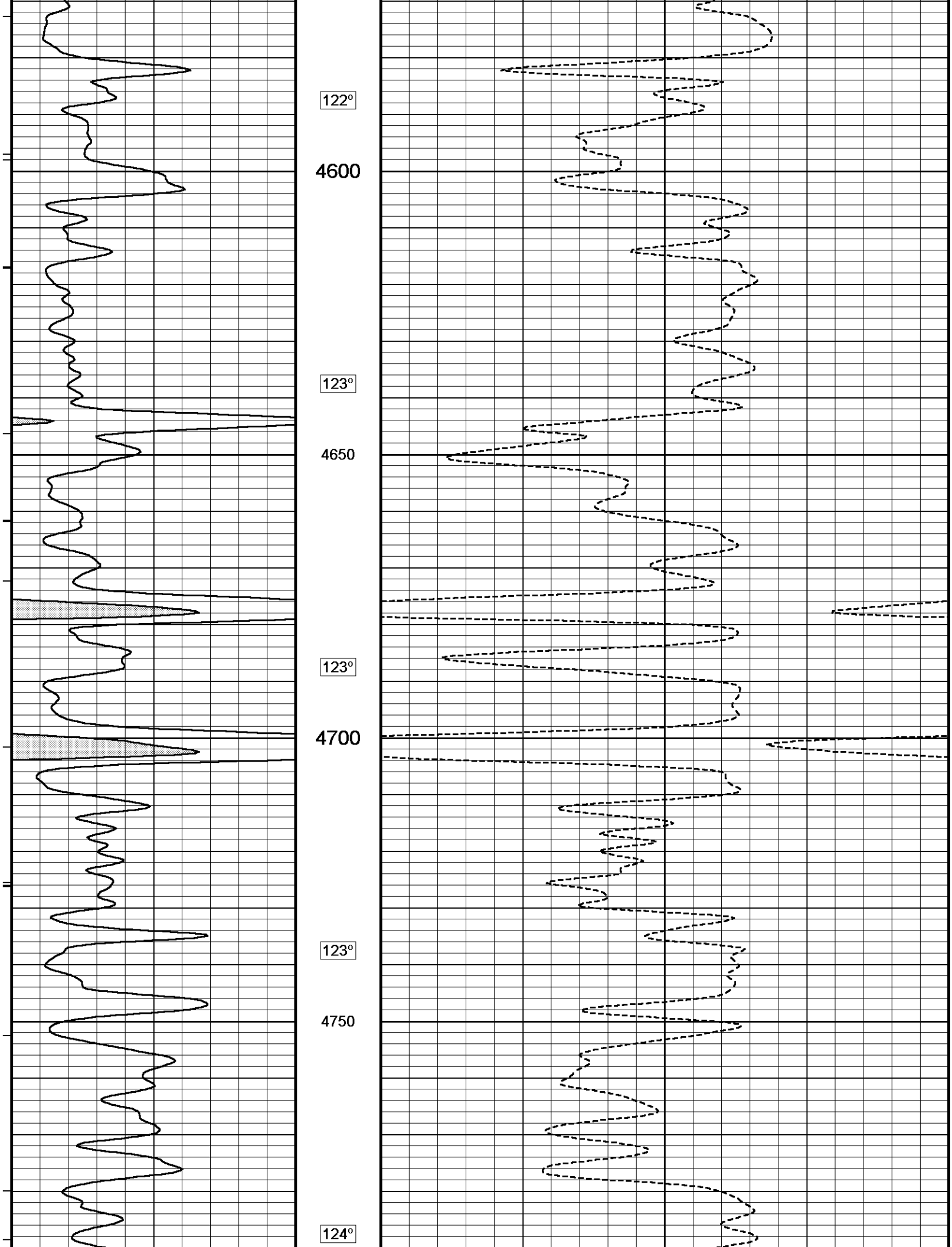
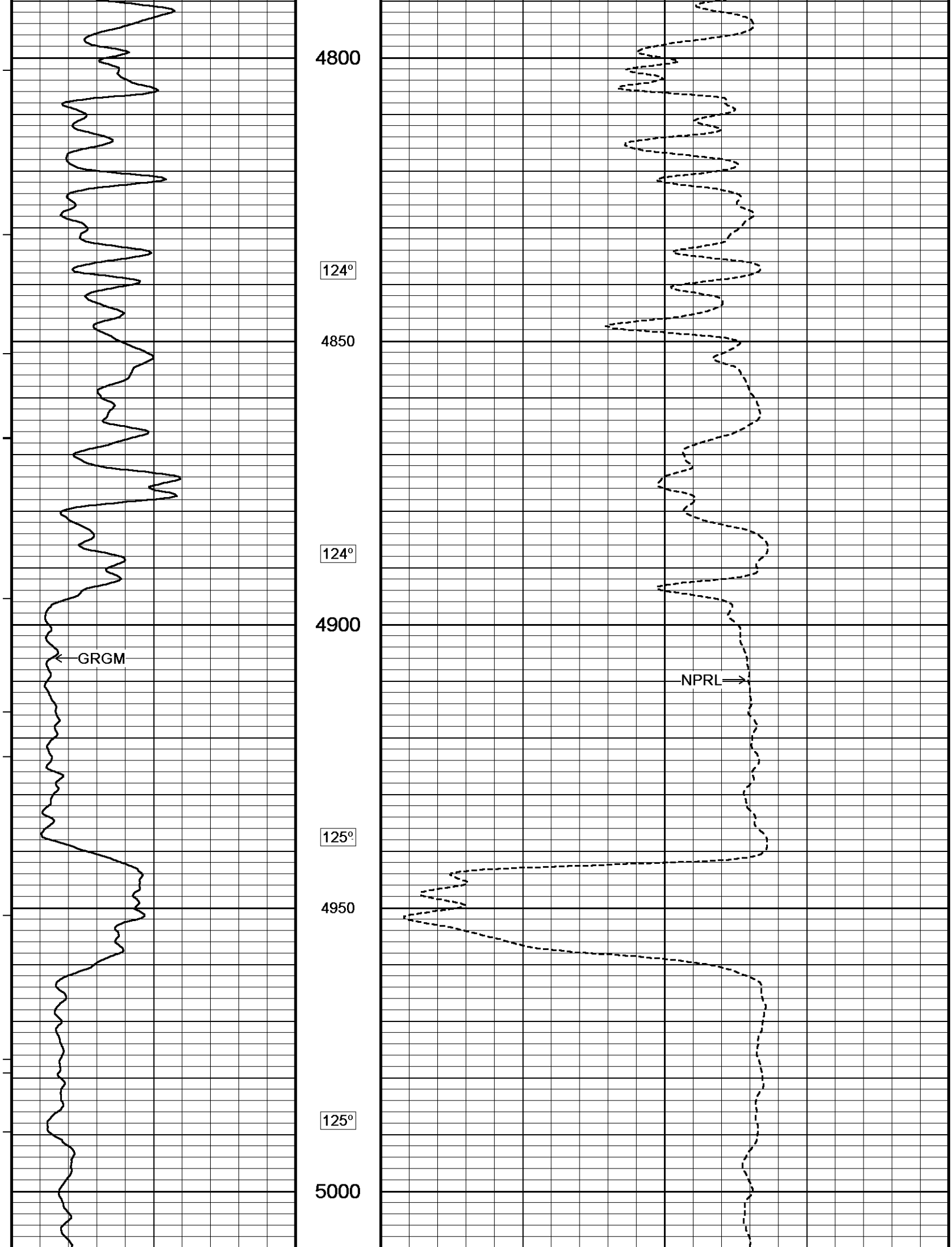
4150
120°
4200
120°
4250
120°
4300
121°


4350
121°
4400
121°
4450
122°
4500
GRGM
NPRL
122°
4550


122°
4600
123°
4650
123°
4700
123°
4750
124°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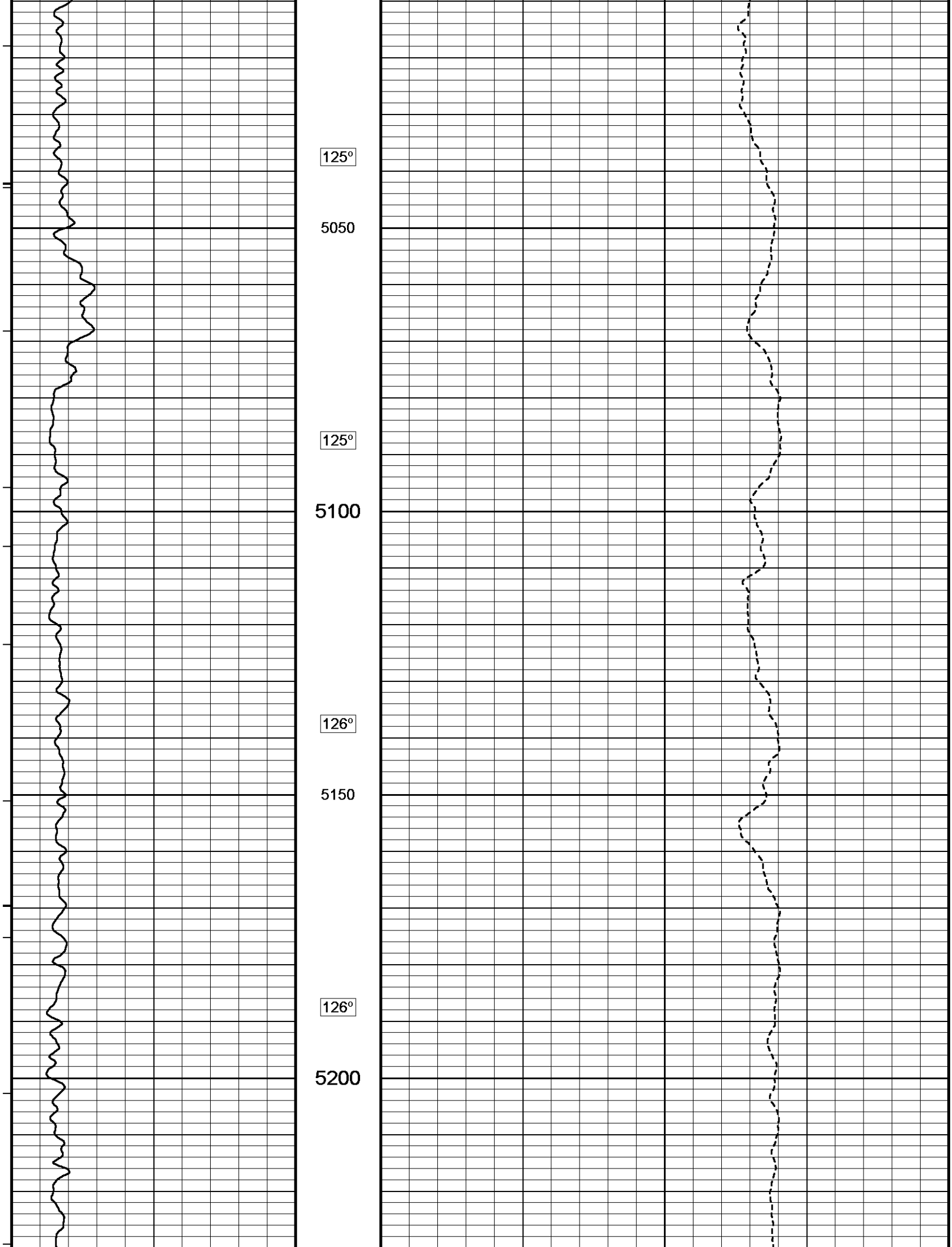
124°
4850
124°
4900
GRGM
NPRL
125°
4950
125°
5000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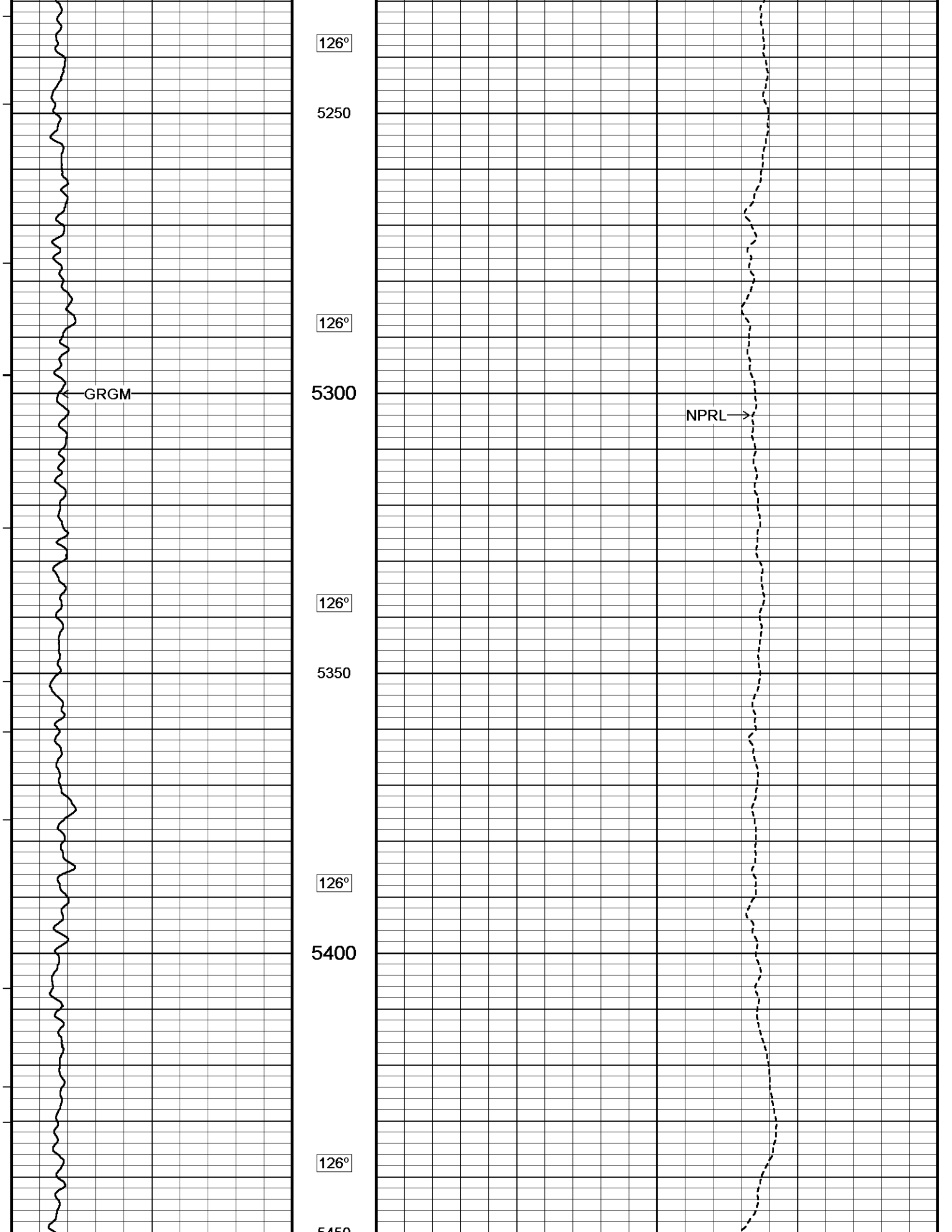
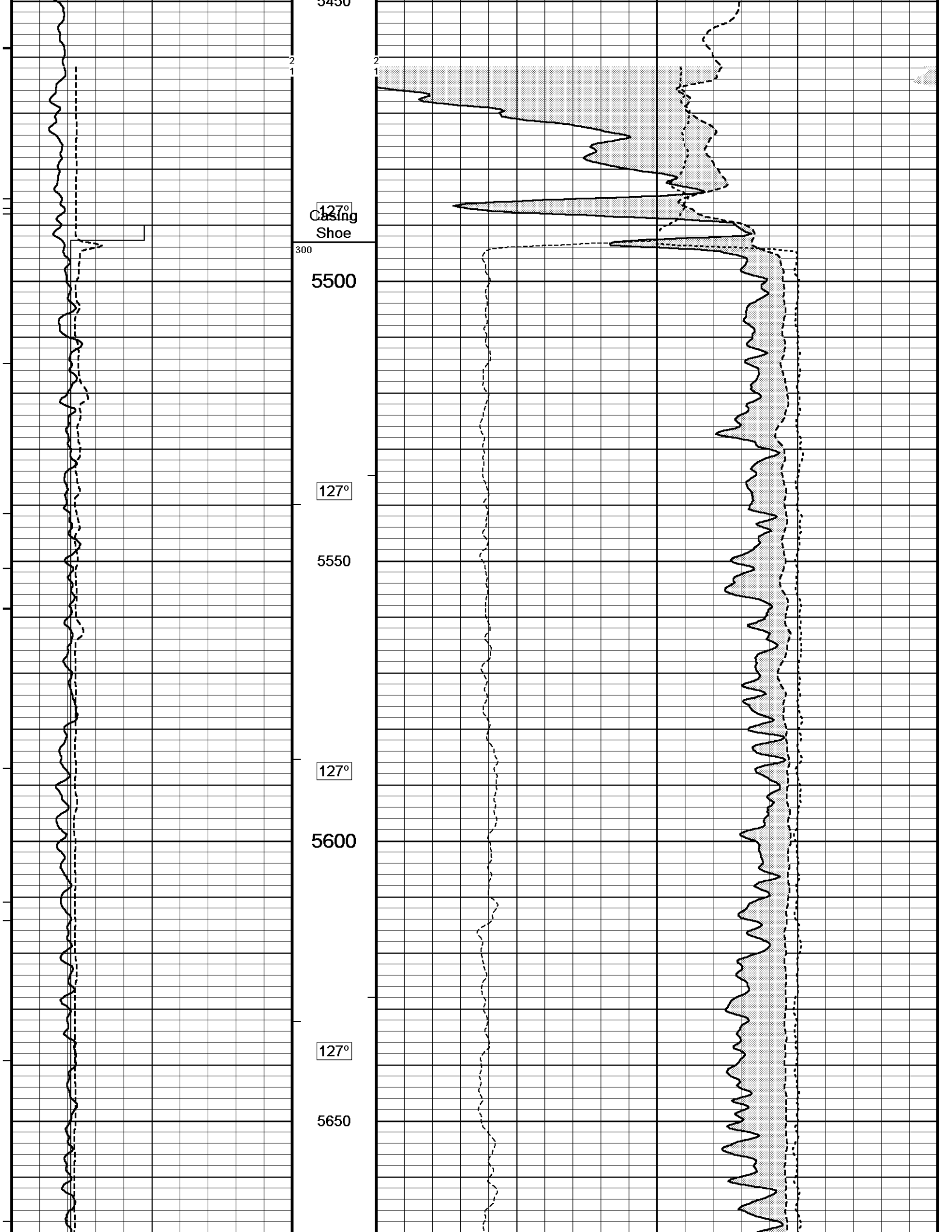
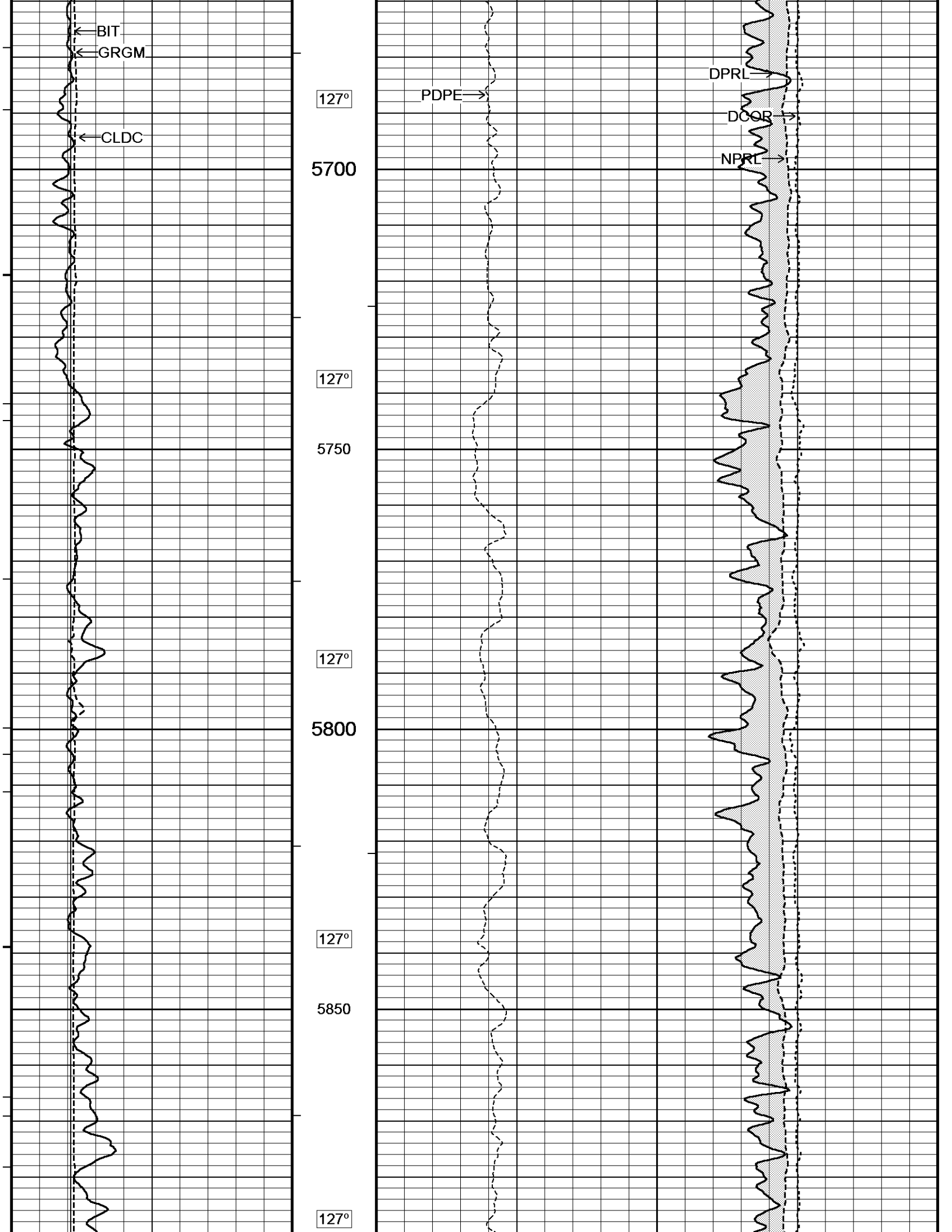
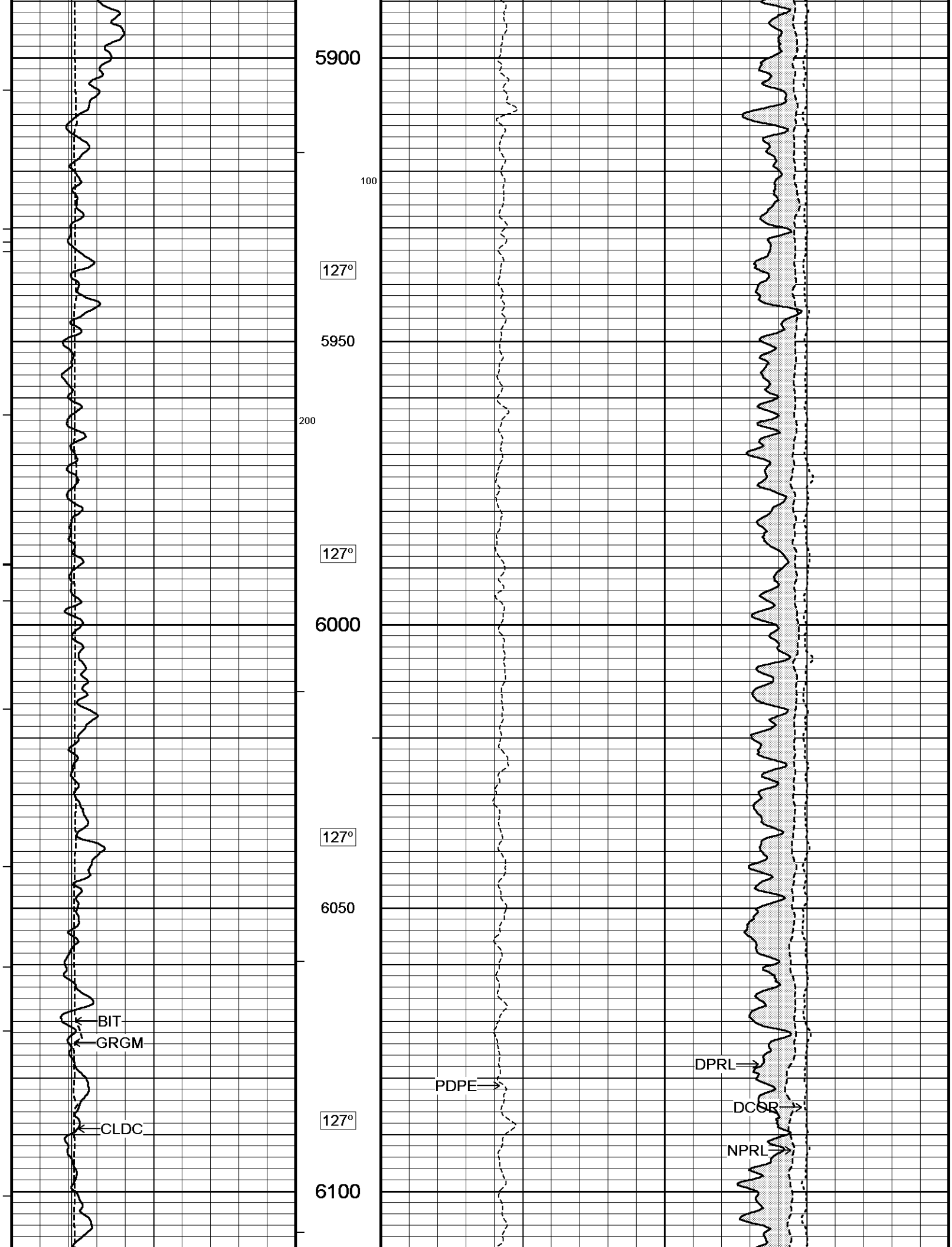
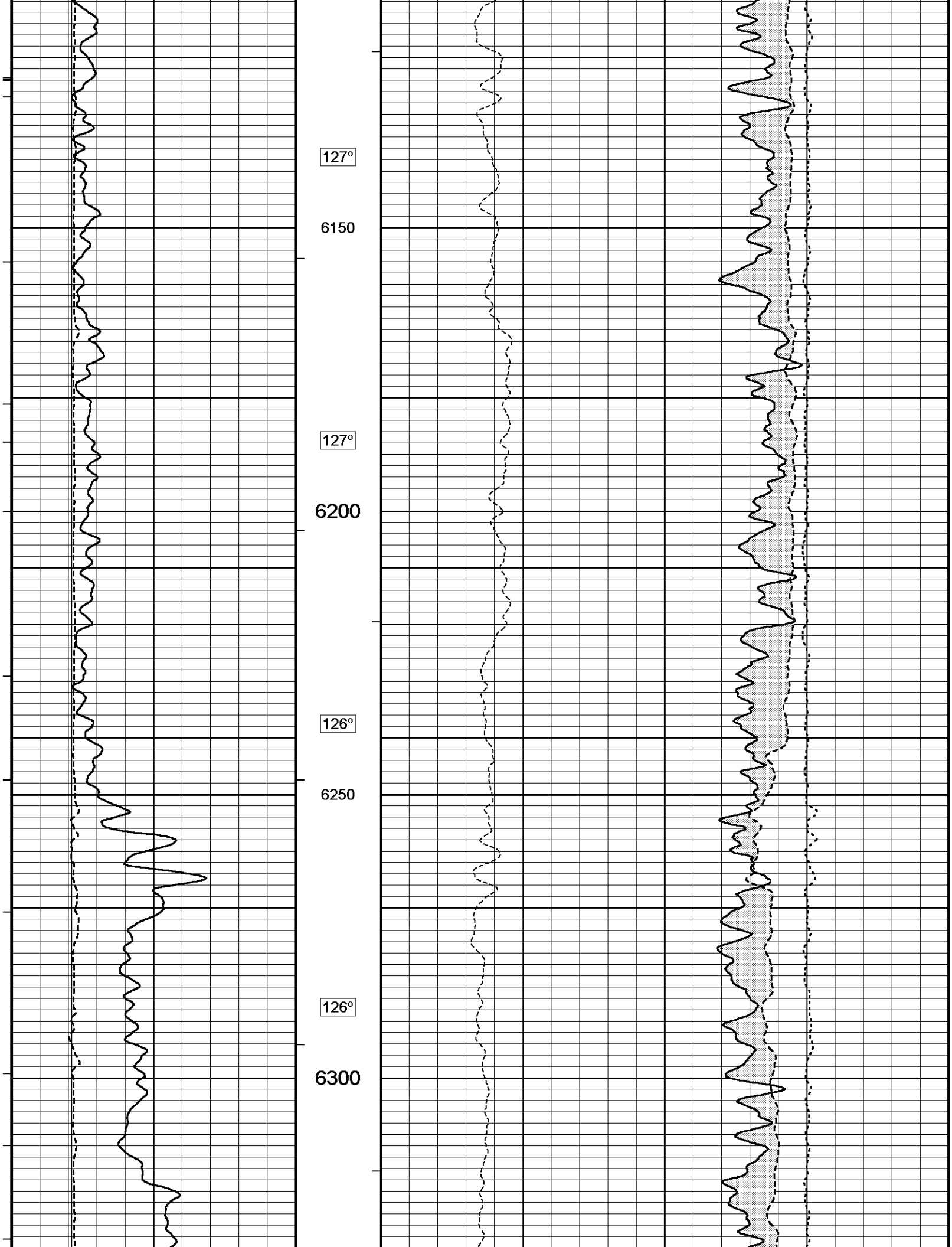
5050
125°
5100
126°
5150
126°
5200

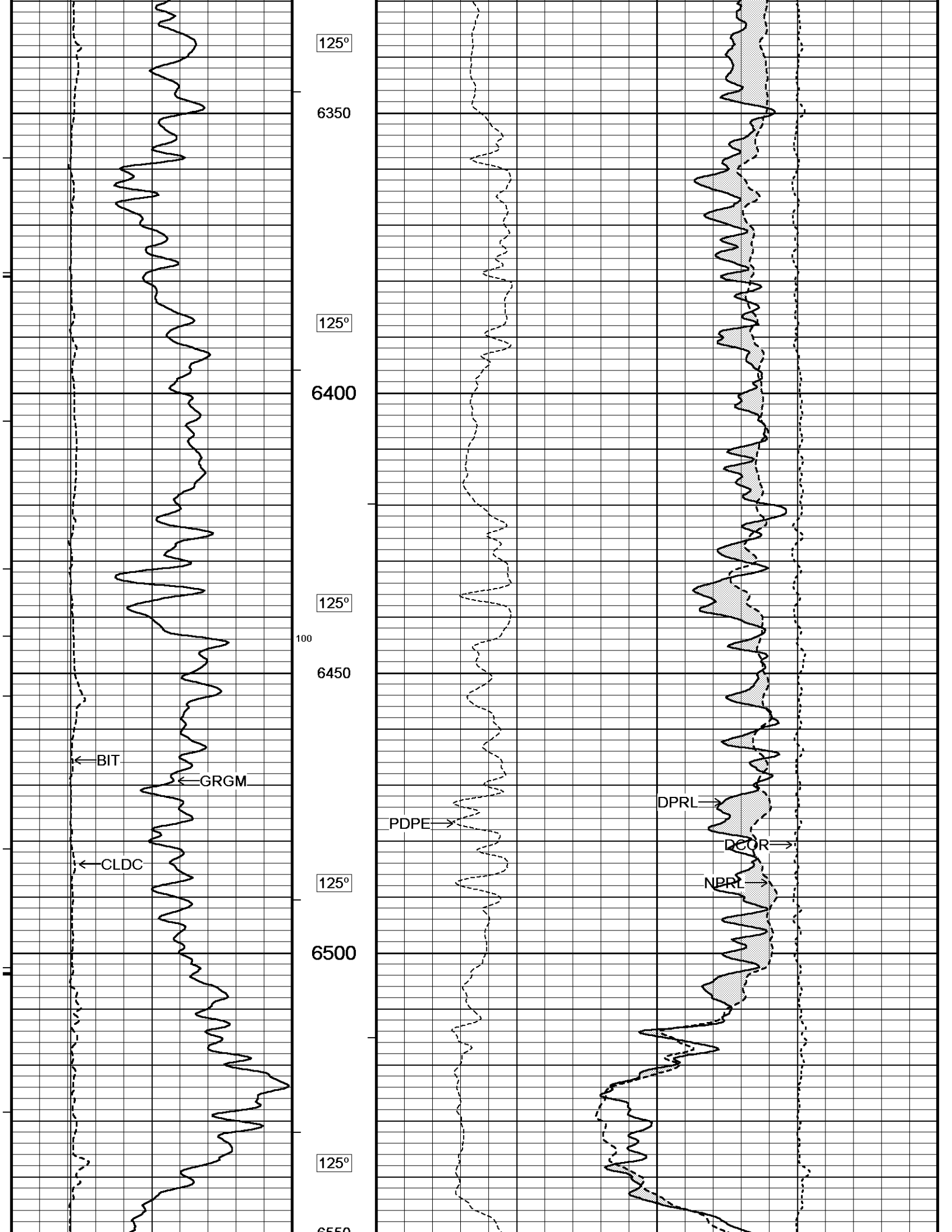

126°
5250
126°
GRGM
5300
NPRL
126°
5350
126°
5400
126°
5450

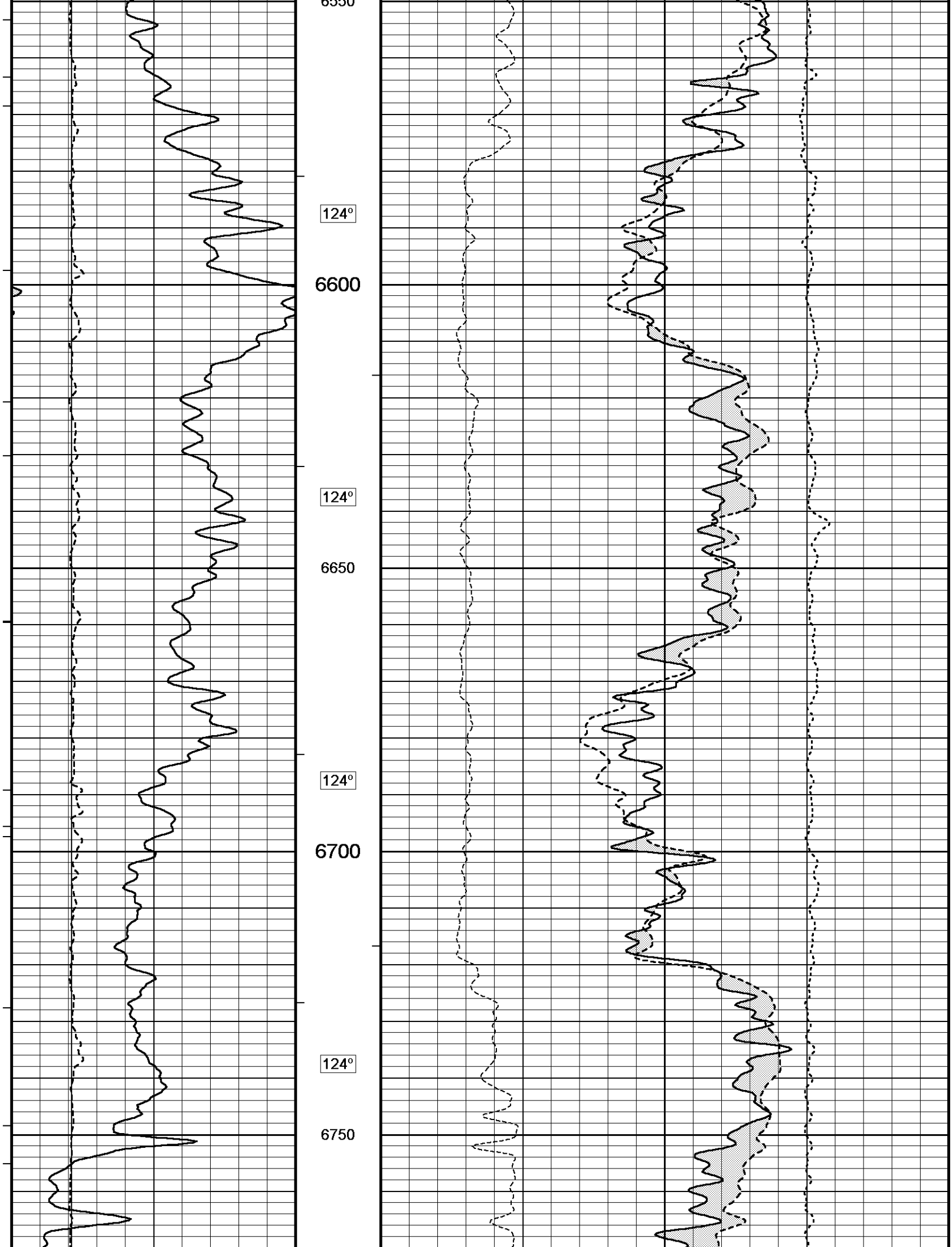

5450
2
1
2
1
127°
Casing
Shoe
300
5500
127°
5550
127°
5600
127°
5650


BIT
GRGM
CLDC
127°
5700
127°
5750
127°
5800
127°
5850
127°
PDPE
DPRL
DCOR
NPRL


5900
100
127°
5950
200
127°
6000
127°
6050
BIT
GRGM
CLDC
PDPE
DPRL
DCOR
NPRL
127°
6100


127°
6150
127°
6200
126°
6250
126°
6300


125°
6350
125°
6400
125°
100
6450
BIT
GRGM
CLDC
PDPE
DPRL
DCOR
NPRL
125°
6500
125°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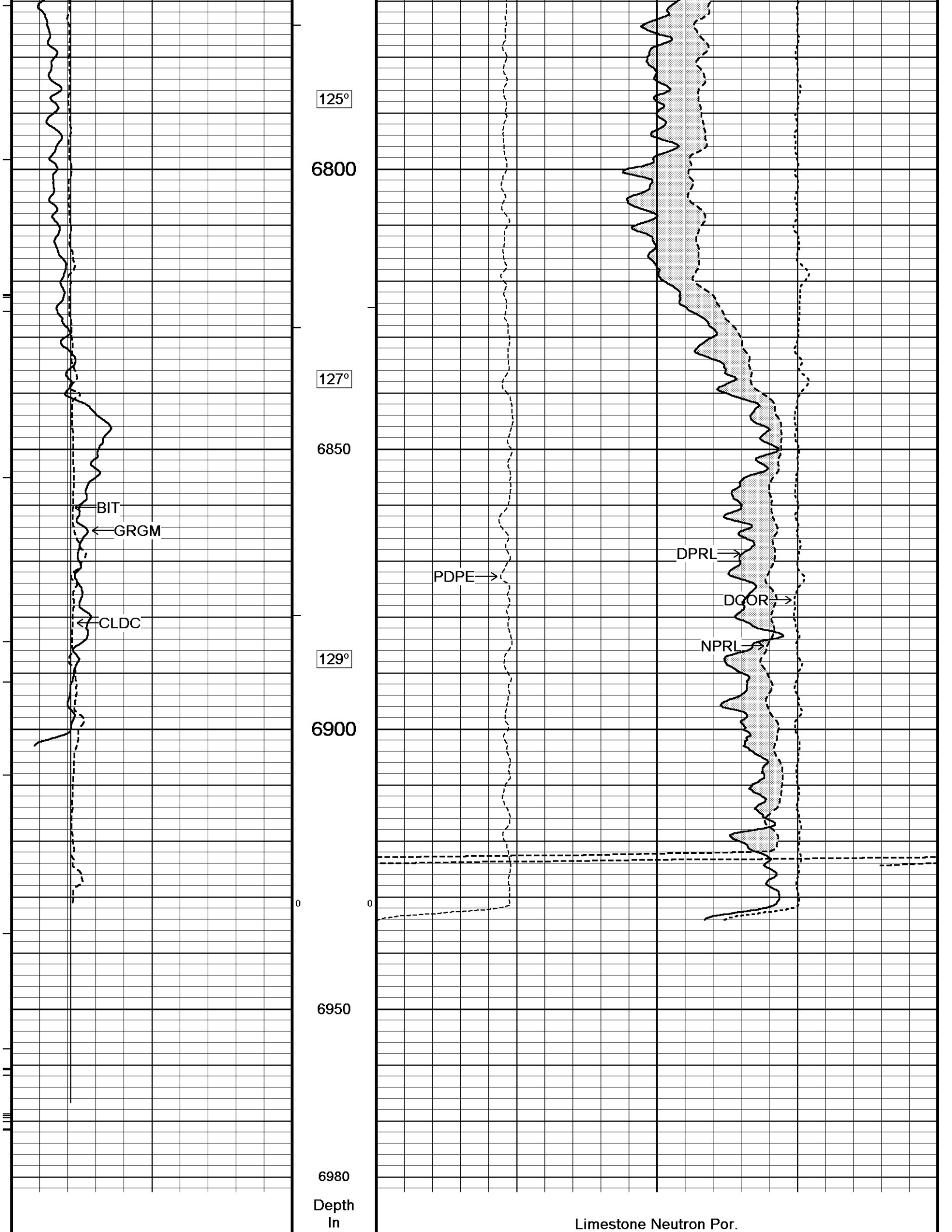
124°
6600
124°
6650
124°
6700
124°
6750


125°
6800
127°
6850
BIT
GRGM
CLDC
129°
6900
0
0
6950
6980
Depth
In
PDPE
DPRL
DQOR
NPRL
Limestone Neutron Por.

Timing Marks
every 60.0 sec

Density Caliper
inches
4 9 14

MGS Gamma Ray
API
0 75 150
150 225 300

Bit Size
inches
4 9 14

Depth In Feet

Borehole Temp in deg F

HVI every 10 cu ft

Annular Integral every 10 cu ft

Replay Scale 1:240

Limestone Density Por.
percent
30 20 10 0 -10

PE
barns/electron
0 5 10

Density Correction
grams/cc
-0.50 0 0.50

Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\DATA\Sandridge_Faldtz 2231 2-26H\Faldtz 2231 2-26H_Rtap.dta
System Versions: Processed with 13.06.9804 Plotted with 13.06.9804

Plotted on 16-APR-2014 12:04
Recorded on 21-JAN-2014 05:30

5 INCH MAIN LOG

5 INCH BULK DENSITY

Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\DATA\Sandridge_Faldtz 2231 2-26H\Faldtz 2231 2-26H_Rtap.dta
System Versions: Processed with 13.06.9804 Plotted with 13.06.9804

Plotted on 16-APR-2014 12:04
Recorded on 21-JAN-2014 05:30

Timing Marks
every 60.0 sec

Density Caliper
inches
4 9 14

MGS Gamma Ray
API
0 75 150
150 225 300

Bit Size
inches
4 9 14

Depth In Feet

Borehole Temp in deg F

HVI every 10 cu ft

Annular Integral every 10 cu ft

Replay Scale 1:240

Compensated Density
grams/cc
2 2.25 2.50 2.75 3

Limestone Density Por.
percent
30 20 10 0 -10

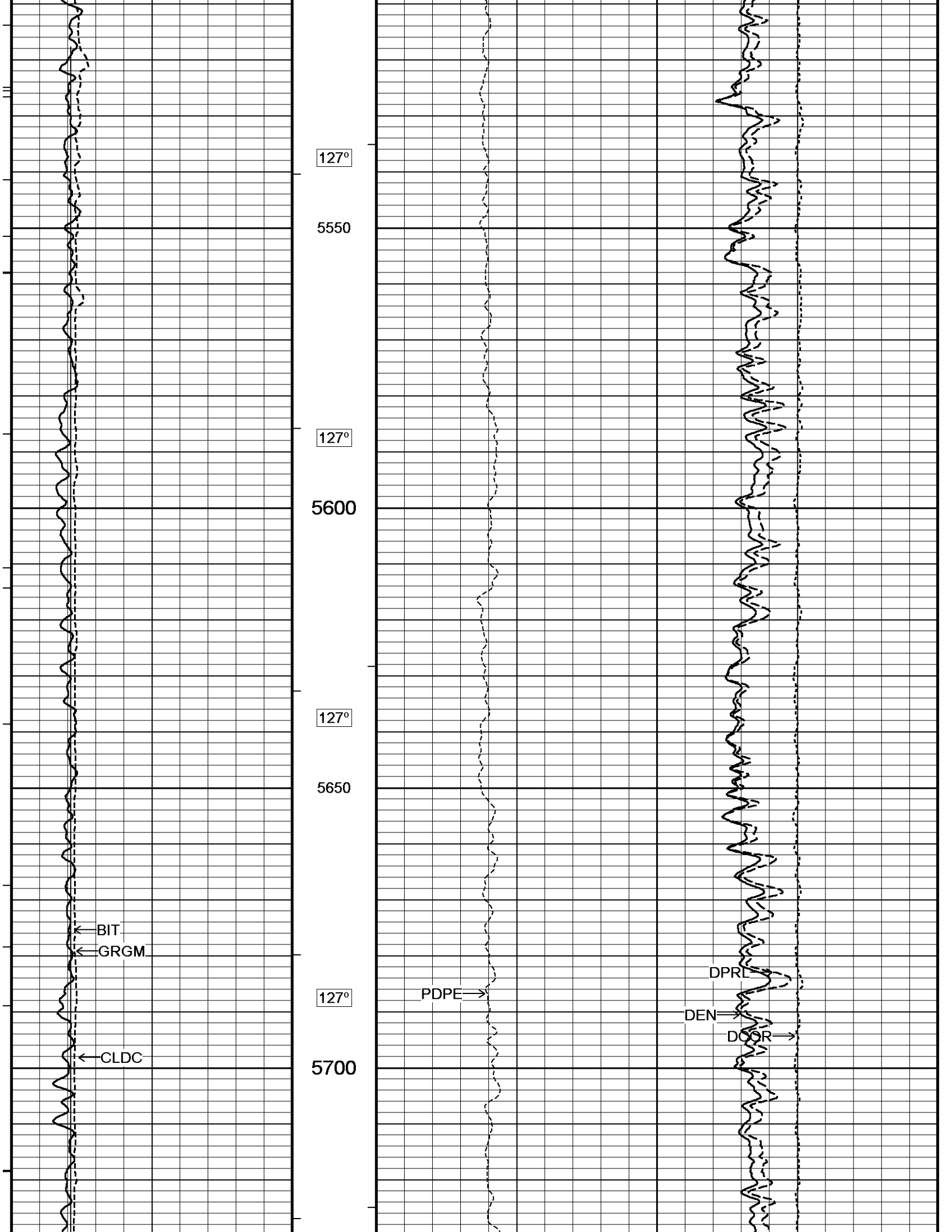
PE
barns/electron
0 5 10

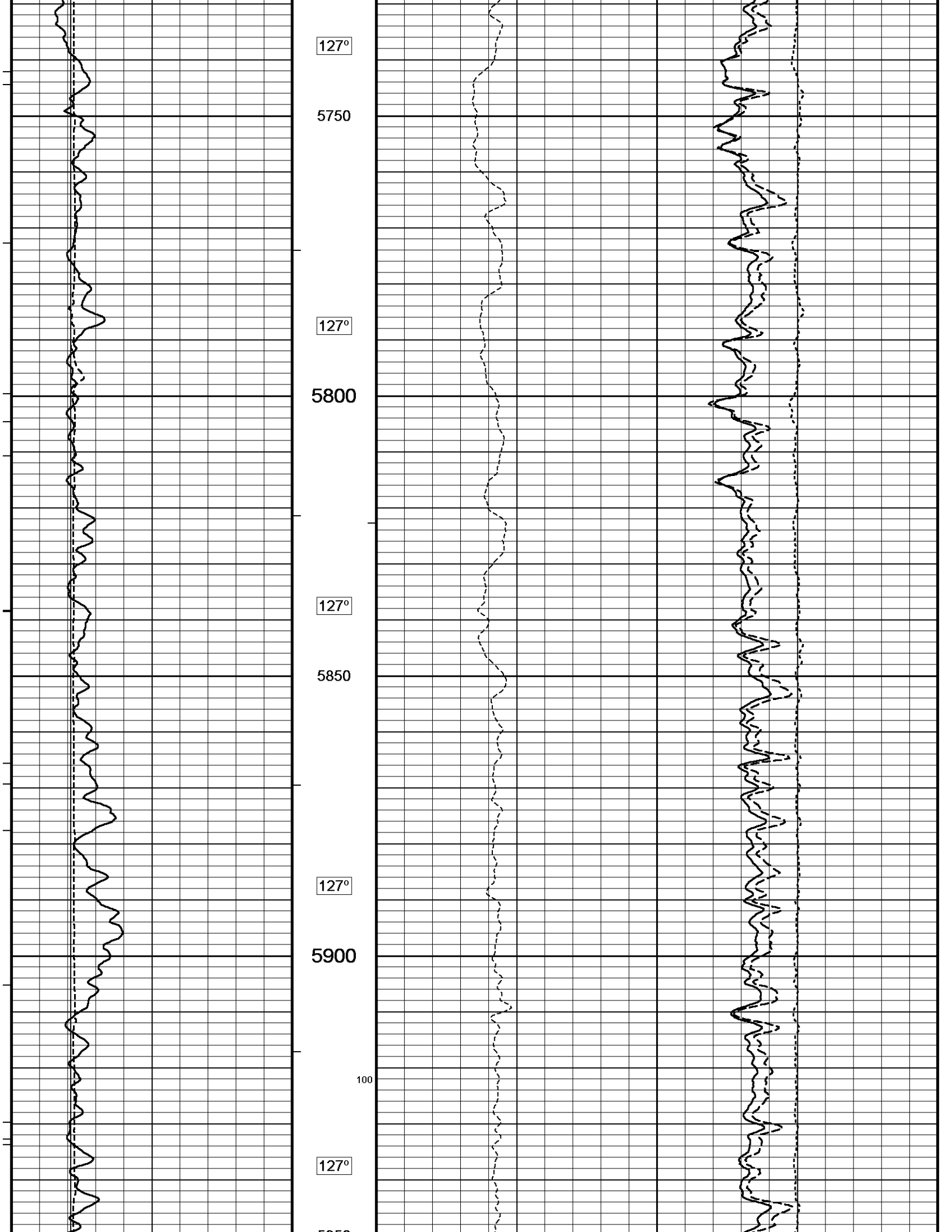
Density Correction
grams/cc
-0.50 0 0.50

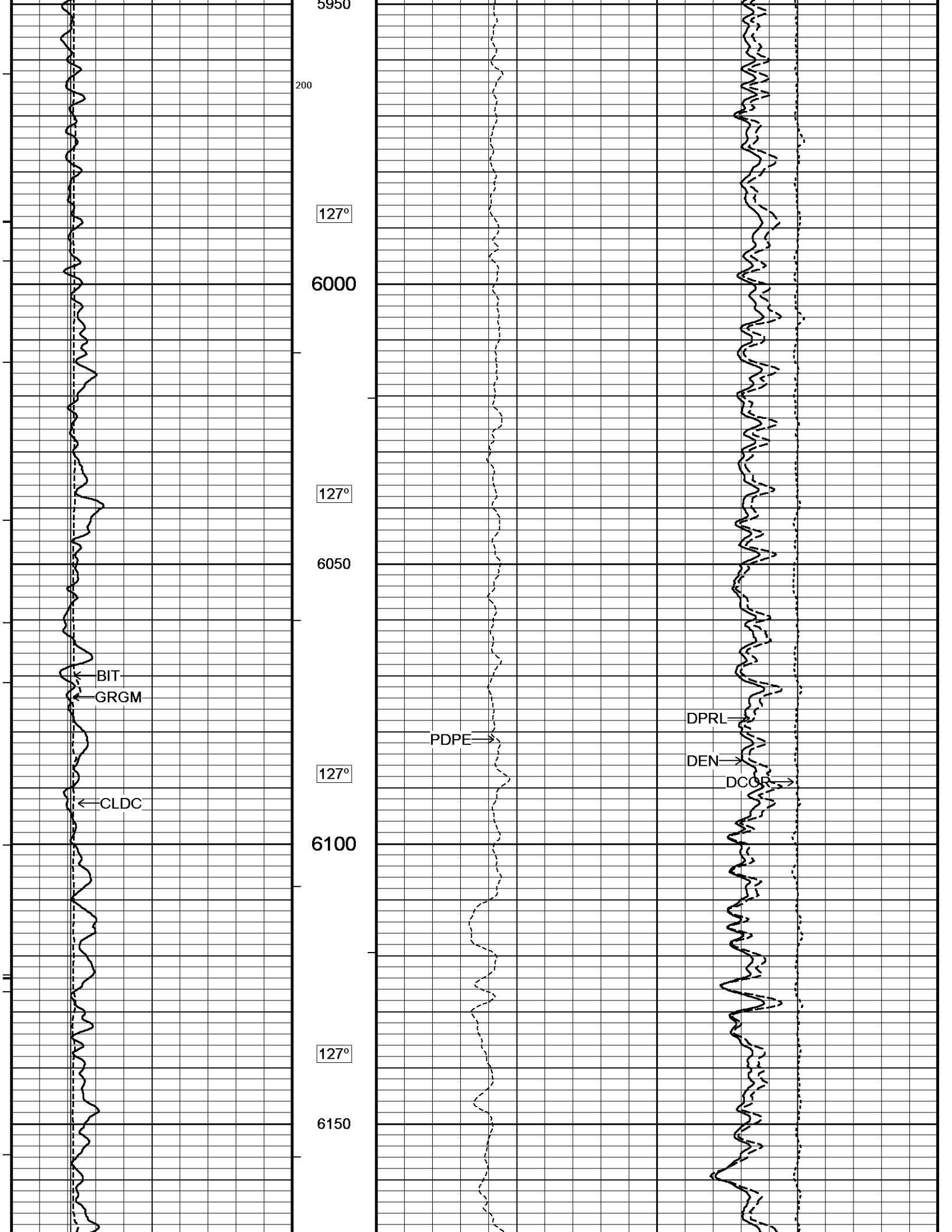
5488

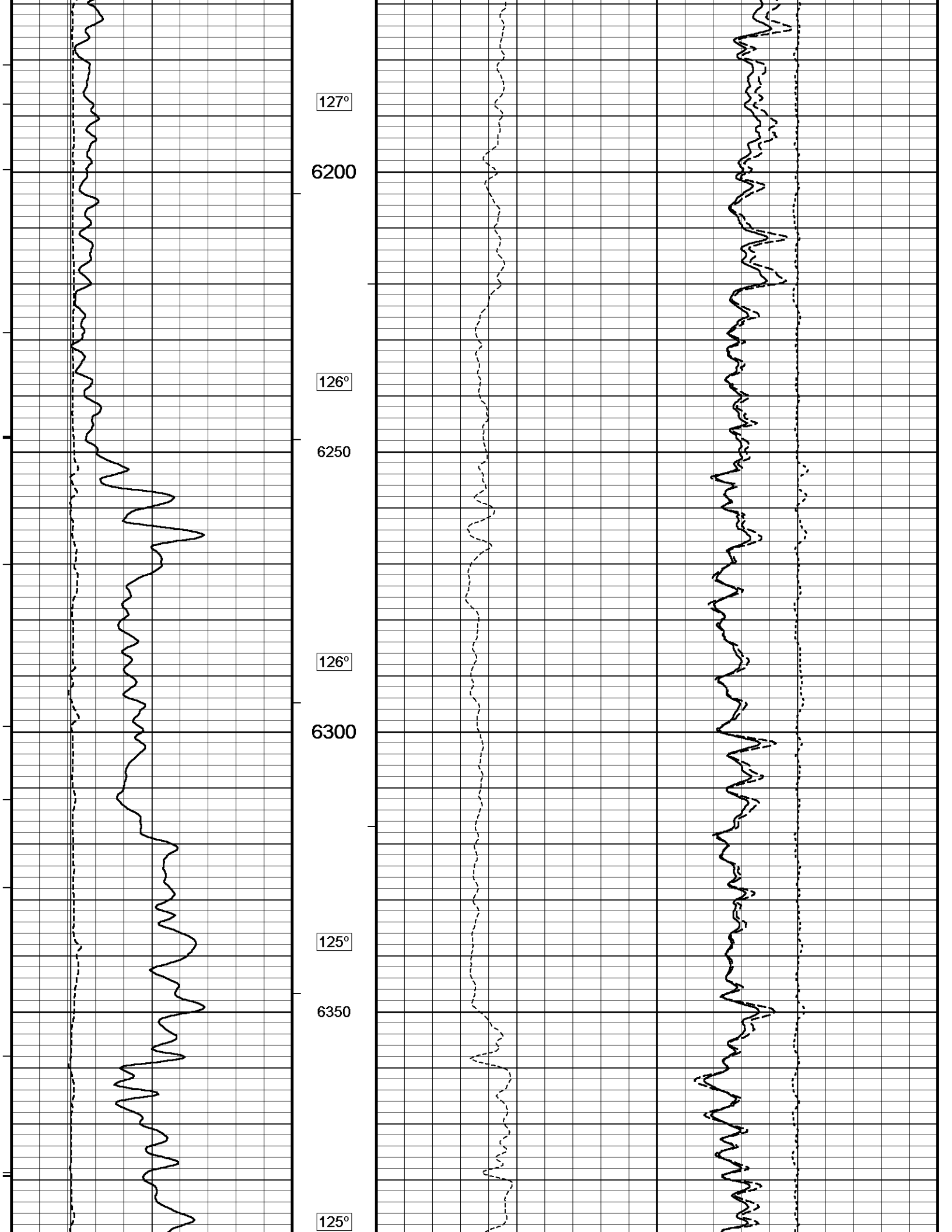
300

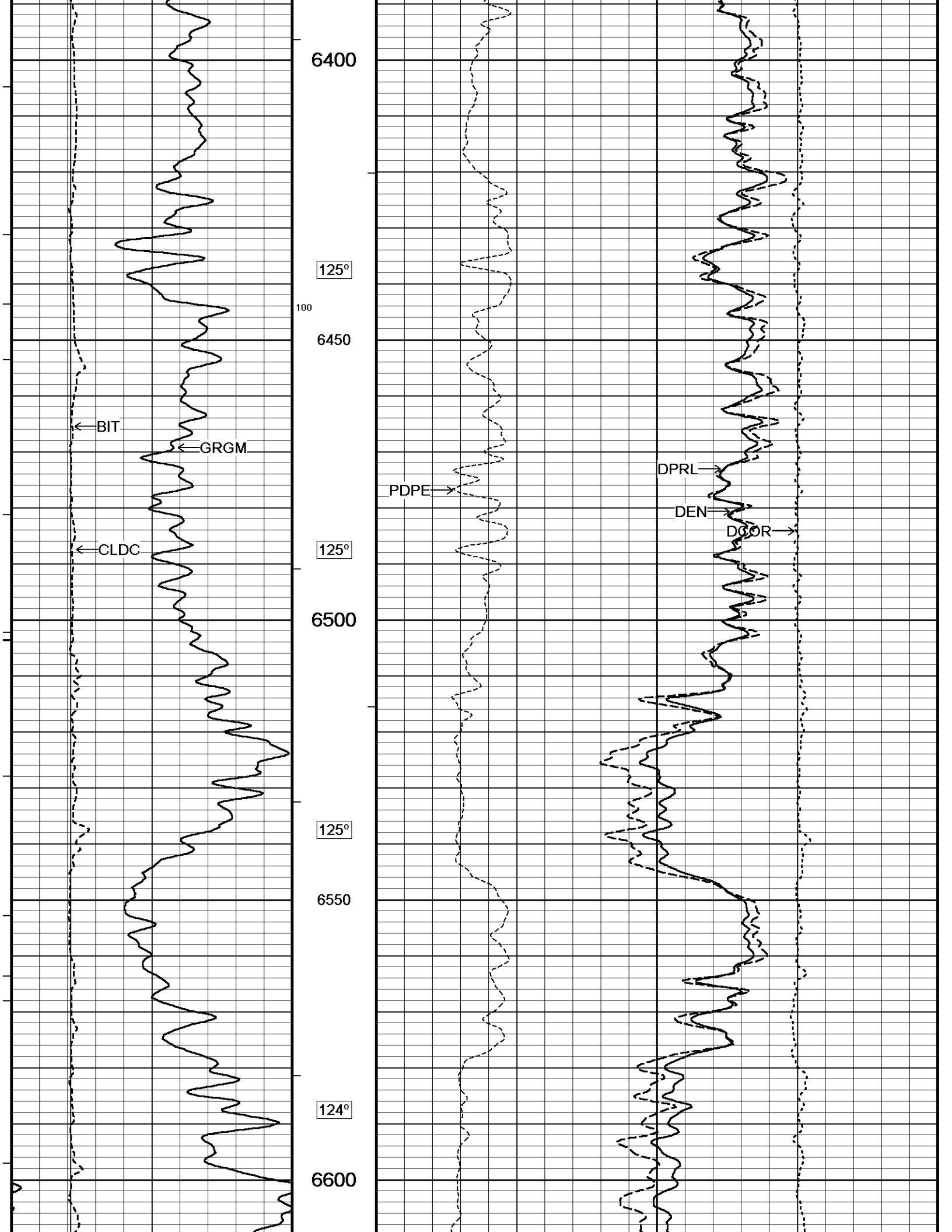
5500

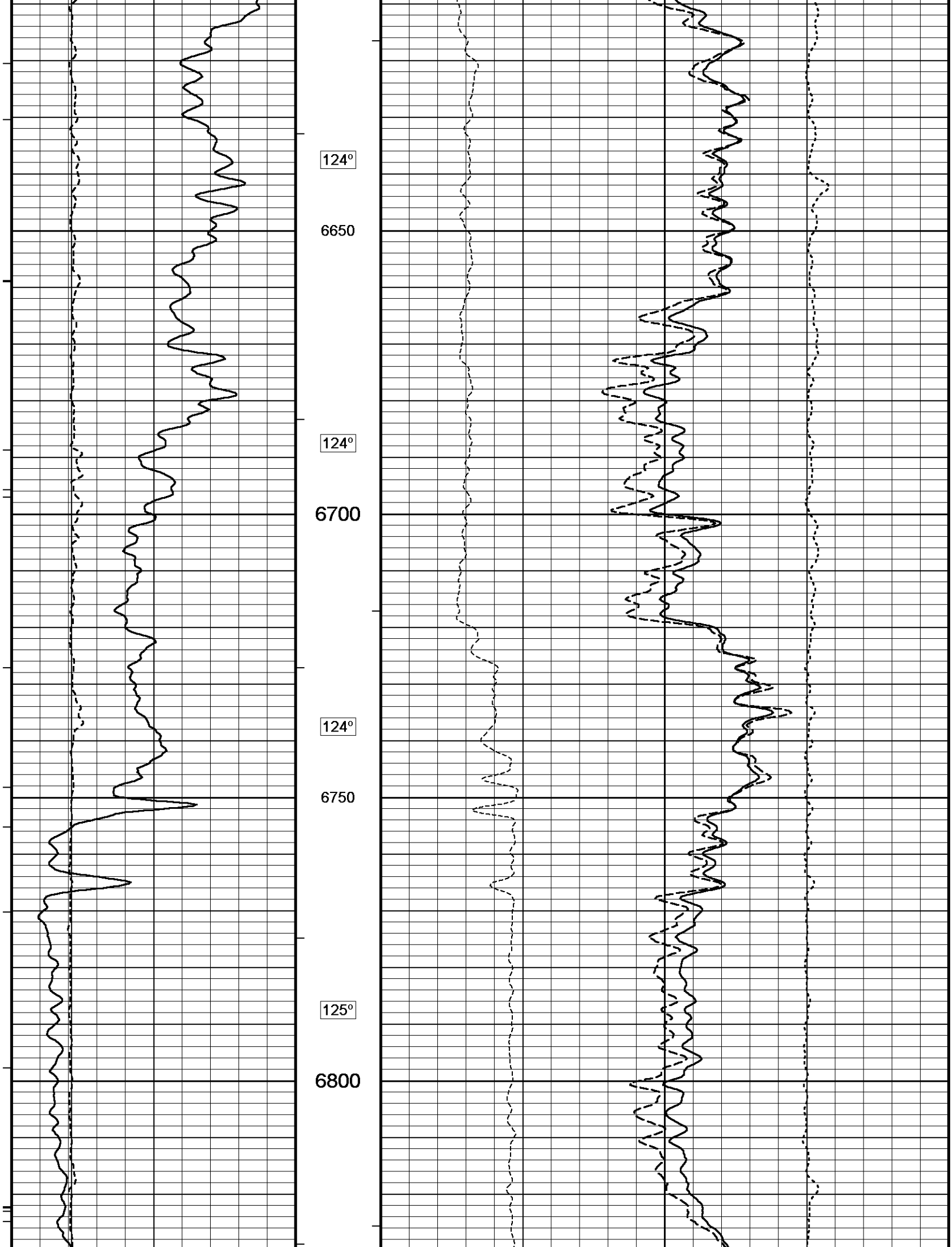

127°
5550
127°
5600
127°
5650
BIT
GRGM
PDPE
127°
DPRL
DEN
DCOR
CLDC
5700

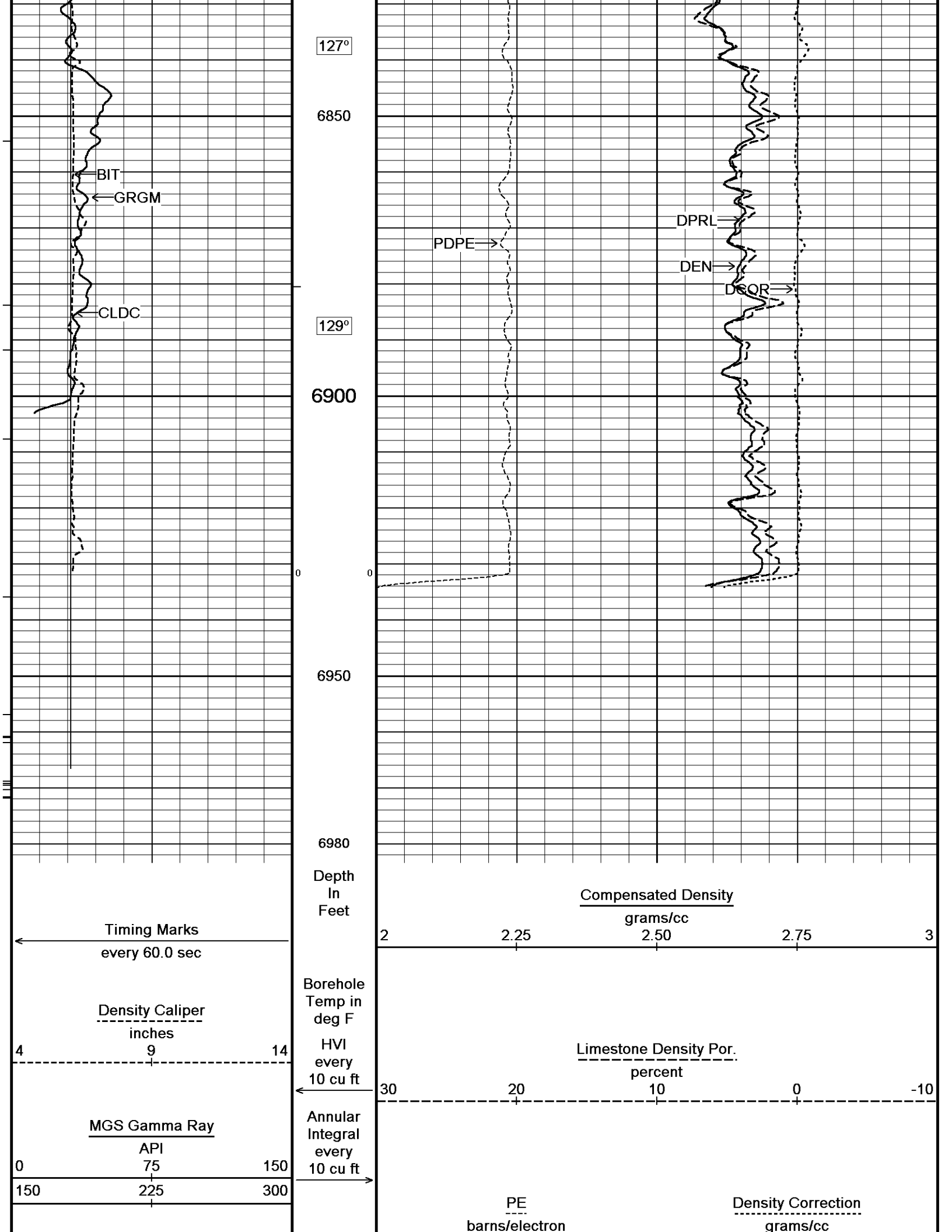

127°
5750
127°
5800
127°
5850
127°
5900
100
127°

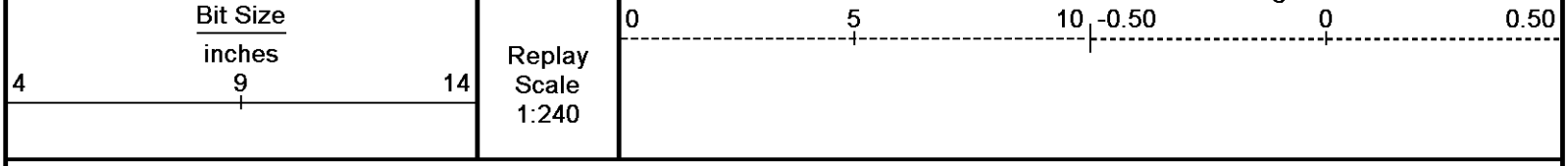

5950
200
127°
6000
127°
6050
BIT
GRGM
CLDC
PDPE
DPRL
DEN
DCOR
127°
6100
127°
6150


127°
6200
126°
6250
126°
6300
125°
6350
125°


6400
125°
100
6450
BIT
GRGM
CLDC
PDPE
DPRL
DEN
DCOR
125°
6500
125°
6550
124°
6600


124°
6650
124°
6700
124°
6750
125°
6800


127°
6850
BIT
GRGM
CLDC
129°
6900
PDPE
DPRL
DEN
DCOR
0
0
6950
6980
Depth
In
Feet
Timing Marks
every 60.0 sec
Compensated Density
grams/cc
2
2.25
2.50
2.75
3
Density Caliper
inches
4
9
14
Borehole
Temp in
deg F
HVI
every
10 cu ft
Limestone Density Por.
percent
30
20
10
0
-10
MGS Gamma Ray
API
0
75
150
Annular
Integral
every
10 cu ft
150
225
300
PE
barns/electron
Density Correction
grams/cc



Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 16-APR-2014 12:04
Filename: C:\DATA\Sandridge_Faldtz 2231 2-26H\Faldtz 2231 2-26H_Rtap.dta — Recorded on 21-JAN-2014 05:30
System Versions: Processed with 13.06.9804 Plotted with 13.06.9804

5 INCH BULK DENSITY

BEFORE SURVEY CALIBRATION

C:\DATA\Sandridge_Faldtz 2231 2-26H\Faldtz 2231 2-26H_Rtap.dta

General Constants All 000

Last Edited on 21-JAN-2014,05:43

General Parameters		
Mud Resistivity	1.800	ohm-metres
Mud Resistivity Temperature	70.000	degrees F
Water Level	0.000	feet
Borehole Fluid 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	Limestone Density Por.	
Resistivity used	Array Ind. One Res Rt	
RWA Constant A	0.610	
RWA Constant M	2.150	
SW/APOR Tool Source	0.000	

Down-hole Tension Calibration SMS 0

Field Calibration on 06-MAY-2013,07:48

Reading No	Measured	Calibrated (lbs)
1	12115.60	0.00
2	13815.60	500.00

Strain Gauge Constants SER-B.A 184

Last Edited on

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	

Strain Gauge Constants MMS-F.A 259

Last Edited on

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.

Pressure psia	In.	Dec.	In.	Dec.	In.	Dec.	In.	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	

Gamma Calibration MGS-C.J 108

Field Calibration on 20-JAN-2014,11:18

	Measured	Calibrated (API)
Background	38	27
Calibrator (Gross)	1260	884
Calibrator (Net)	1222	857

Gamma Constants MGS-C.J 108

Last Edited on 21-JAN-2014,05:43

Gamma Calibrator Number	GRCG073	
Mud Density	1.13	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl		kppm
K Mud Type	Chloride	
K Mud Concentration	0.00	%

SP Calibration MGS-C.J 108

Field Calibration on 13-JUN-2013,17:01

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

High Resolution Temperature Calibration MGS-C.J 108

Field Calibration on 13-JUN-2013,17:01

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

High Resolution Temperature Constants MGS-C.J 108

Last Edited on 13-JUN-2013,17:01

Pre-filter Length	11

Neutron Calibration MDN-B.J 391

Base Calibration on 07-JAN-2014 12:00
Field Check on 20-JAN-2014,03:10

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	3232	98	3714	110
Ratio	33.134		33.764	

Field Calibrator at Base

	Calibrated (cps)	
	1960	2952
Ratio	0.664	

Field Check

	Calibrated (cps)
Ratio	0.664

Neutron Constants MDN-B.J 391

Last Edited on 21-JAN-2014,05:44

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	Constant Value	
Temperature	68.00	degrees F
Mud Salinity	0.00	kppm
Salinity Correction	Not Applied	

Formation Fluid Salinity Source	None	
Formation Fluid Salinity	N/A	kppm
Barite Mud Correction	Not Applied	

FE Calibration MFE-C.A 395

Base Calibration on 17-OCT-2013,12:24
Field Check on 20-JAN-2014 03:00

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	972.5	126.8
Base Check		279.1
Field Check		278.7

FE Constants MFE-C.A 395

Last Edited on 21-JAN-2014,05:45

Running Mode	No Sleeve	
MFE K Factor	0.1268	
Caliper Source for FE correction	Density Caliper	
Caliper Value for FE correction	N/A	inches
Rm Source for FE correction	Constant Value	
Temp. for Rm Corr.	N/A	
Stand-off	Centred	inches

High Resolution Temperature Calibration MAI-A.A 170

Field Calibration on 15-FEB-2012 01:37

	Measured	Calibrated(Deg F)
Lower	1.00	1.00
Upper	100.00	100.00

High Resolution Temperature Constants MAI-A.A 170

Last Edited on

Pre-filter Length	11

Induction Calibration MAI-A.A 170

Base Calibration on 02-FEB-2012 17:42
Field Check on 20-JAN-2014 02:58

Base Calibration

Test Loop Calibration

Channel	Measured Low	Measured High	Calibrated (mmho/m) Low	Calibrated (mmho/m) 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) Low	Base Check (mmho/m) High	Field Check (mmho/m) Low	Field Check (mmho/m) High
1			10.7	3752.6
2			29.8	3529.8
3			27.4	2997.5
4			18.6	2042.9
Deep			15.5	1905.6
Medium			41.2	3981.8
Shallow			46.2	5291.6

Array Temperature 48.3 Deg F

Induction Constants MAI-A.A 170

Last Edited on 21-JAN-2014,05:45

Induction Model	RtAP-WBM	
Caliper for Borehole Corr.	Density Caliper	
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.	Borehole Temp. Unfilt.	
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	

Caliper Calibration MPD-C.J 395

Base Calibration on 07-JAN-2014 10:39
Field Calibration on 20-JAN-2014 03:07

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	16176	4.00
2	25615	5.98
3	35504	7.96
4	45616	9.86
5	56208	11.87
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
5.96	6.00

Photo Density Calibration MPD-C.J 395

Base Calibration on 07-JAN-2014 10:29
Field Check on 20-JAN-2014 03:04

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	49915	23413	59494	30754
Reference 2	21240	2169	26398	2598

Field Check at Base

982.9	1076.3

Field Check

983.9	1073.9

PE Calibration

Base Calibration	Measured			Calibrated
	WS	WH	Ratio	Ratio
Background	179	883		
Reference 1	21106	49761	0.428	0.367
Reference 2	6161	21134	0.295	0.270

Field Check at Base

179.0	882.8

Field Check

181.1	884.5

Density Constants MPD-C.J 395

Last Edited on 21-JAN-2014,05:44

Density Source Id	236
Nylon Calibrator Number	DNCF760

Nylon Calibrator Number	DNCE766	
Aluminium Calibrator Number	DHCG856	
Density Shoe Profile	4 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.13	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	

DOWNHOLE EQUIPMENT

C:\DATA\Sandridge_Faldtz 2231 2-26H\Faldtz 2231 2-26H_Rtap.dta

Shuttle Mechanical Release (SMR A)
SMR-A 148 LG: 8.53 ft WT: 77.2 lb OD: 2.52 in

Shuttle Electrical Release
SER-B.A 184 LG: 6.90 ft WT: 50.7 lb OD: 2.24 in

MBS-F.A 200v Compact Battery Sub
MBS-F.A 131 LG: 10.61 ft WT: 70.5 lb OD: 2.24 in

Compact Memory Sub F.A
MMS-F.A 259 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 108 LG: 3.41 ft WT: 24.3 lb OD: 2.24 in

Compact Collar Locator
MCL-B.J 49 LG: 3.17 ft WT: 26.5 lb OD: 2.24 in

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

SHA-J.B Compact Swivel Head Adaptor
SHA-J.B 472 LG: 2.30 ft WT: 22.0 lb OD: 2.24 in

MIS-D.B Compact Inline Bowspring sub
MIS-D.B 606 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

61.76 ft GRGM - MGS Gamma Ray
59.77 ft GSXT - MGS External Temperature
57.75 ft GCSL - MCL C. Collar Locator
42.89 ft NPRL - Limestone Neutron Por.
35.65 ft AVOL - Annular Volume

Compact Density/Caliper
MPD-C.J 395 LG: 9.59 ft WT: 90.4 lb OD: 2.24 in

MIS-D.A Compact Inline Bowspring sub
MIS-D.A 435 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 438 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

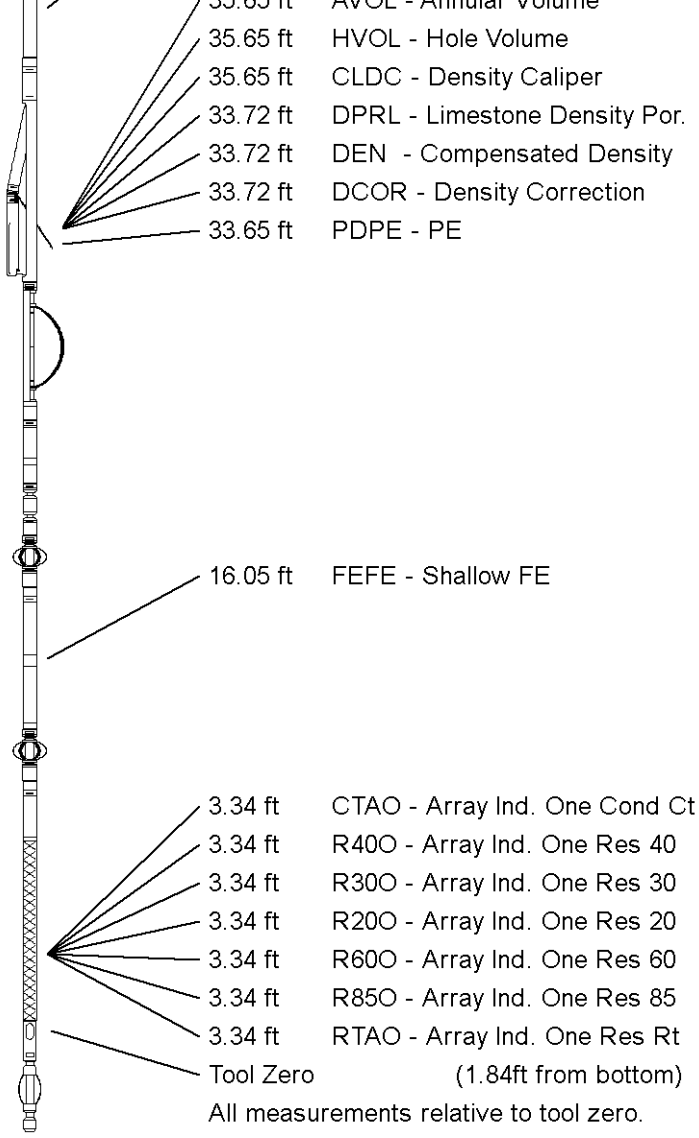
MIS-E.B Compact Inline Standoff sub
MIS-E.B 572 LG: 2.14 ft WT: 15.4 lb OD: 2.24 in

Compact Focussed Electric
MFE-C.A 395 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

MIS-E.B Compact Inline Standoff sub
MIS-E.B 575 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

Total Length: 97.17 ft Weight: 727.5 lb



COMPANY	SANDRIDGE ENERGY
WELL	FALDTZ 2231 2-26H
FIELD	STEWART
PROVINCE/COUNTY	FINNEY
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing	2901.00	feet	First Reading	6934.00	feet
Elevation Drill Floor	2901.00	feet	Depth Driller	6979.00	feet
Elevation Ground Level	2890.00	feet	Depth Logger	6979.00	feet

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COMPACT PHOTO DENSITY
COMPENSATED NEUTRON LOG