



Weatherford[®]

**CML MESSENGER SHUTTLE
COMPACT PHOTO DENSITY
COMPENSATED NEUTRON LOG**

COMPANY **SOURCE ENERGY MIDCON LLC**
 WELL **SOURCE 9-41-3-11H**
 FIELD **WILDCAT**
 PROVINCE/COUNTY **SUMNER**
 COUNTRY/STATE **USA / KANSAS**
 LOCATION **SW NE NE NE
335' FNL & 400' FEL**

SEC 9 TWP 34S RGE 1E Other Services MAI CMI
 API Number 15-191-22664
 Permit Number
 Permanent Datum GL, Elevation 1208 feet
 Log Measured From KB
 Drilling Measured From KB @ 18' AGL

Date	20-JAN-2013	Elevations:	KB 1226.00 DF 1224.00 GL 1208.00
Run Number	ONE		
Service Order	3539531		
Depth Driller	7907.00	feet	
Depth Logger	7907.00	feet	
First Reading	7814.00	feet	
Last Reading	2800.00	feet	
Casing Driller	4300.00	feet	
Casing Logger	4300.00	inches	
Bit Size	6.750		
Hole Fluid Type	WATER	lb/USg	
Density / Viscosity	8.50 lb/USg	27.00 CP	
PH / Fluid Loss	9.00	9.00	
Sample Source	FLOWLINE		
Rm @ Measured Temp	2.29 @ 75.0	ohm-m	
Rmf @ Measured Temp	1.72 @ 75.0	ohm-m	
Rmc @ Measured Temp	3.40 @ 75.0	ohm-m	
Source Rmf / Rmc	CALC	CALC	
Rm @ BHT	1.37 @128.0	ohm-m	
Time Since Circulation	40 HOURS		
Max Recorded Temp	128.00	deg F	
Equipment / Base	18077	OKC	
Recorded By	M JOHNSON		GUTHMUELLER
Witnessed By	J CALDARO-BAIRD		

BOREHOLE RECORD

Last Edited: 22-JAN-2013 13:21

Bit Size inches	Depth From feet	Depth To feet
13.500	0.00	325.00
9.875	325.00	4300.00
6.750	4300.00	7907.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURF	10.750	0.00	325.00	40.00
INTER	7.625	0.00	4300.00	24.00

REMARKS

LOGGED WITH WLS 13.04.8492

LOGGED USING MESSENGER SHUTTLE METHOD OF DEPLOYMENT AND MEMORY LOGGING SYSTEM
DEPTHS SET BACK TO PIPE STRAP DEPTH AND COMPARED TO MWD DEPTHS

TOOLS RAN: SRT-69,SKJ-472,200V MBS-117,MMSE-157,MTI-076, MGS-142,MCL-063,SKJ-479,SHA-451,MIS-608, MDN-391,
MPD-394,MIS-607, SHA-438, SKJ-479,MISD-707,MIM 209, MIE-251,MIS-160,MISB-597 MAI-170 RAN IN COMBINATION

HARDWARE: MAI: MIS-B 0.5" STANDOFF USED ABOVE MAI, 0.5" STAND-OFF RAN BELOW MAI
MIE: MISD CENTRALIZERS USED ABOVE AND BELOW IMAGER

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

ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST
 CHLORIDES = 1800 PPM

DRILL PIPE DEPTH DURING DEPLOYMENT: 7777
 LOGGING TOOL DEPTH AFTER DEPLOYMENT: 7877

OPERATORS: R ROLLINS, J TURNER

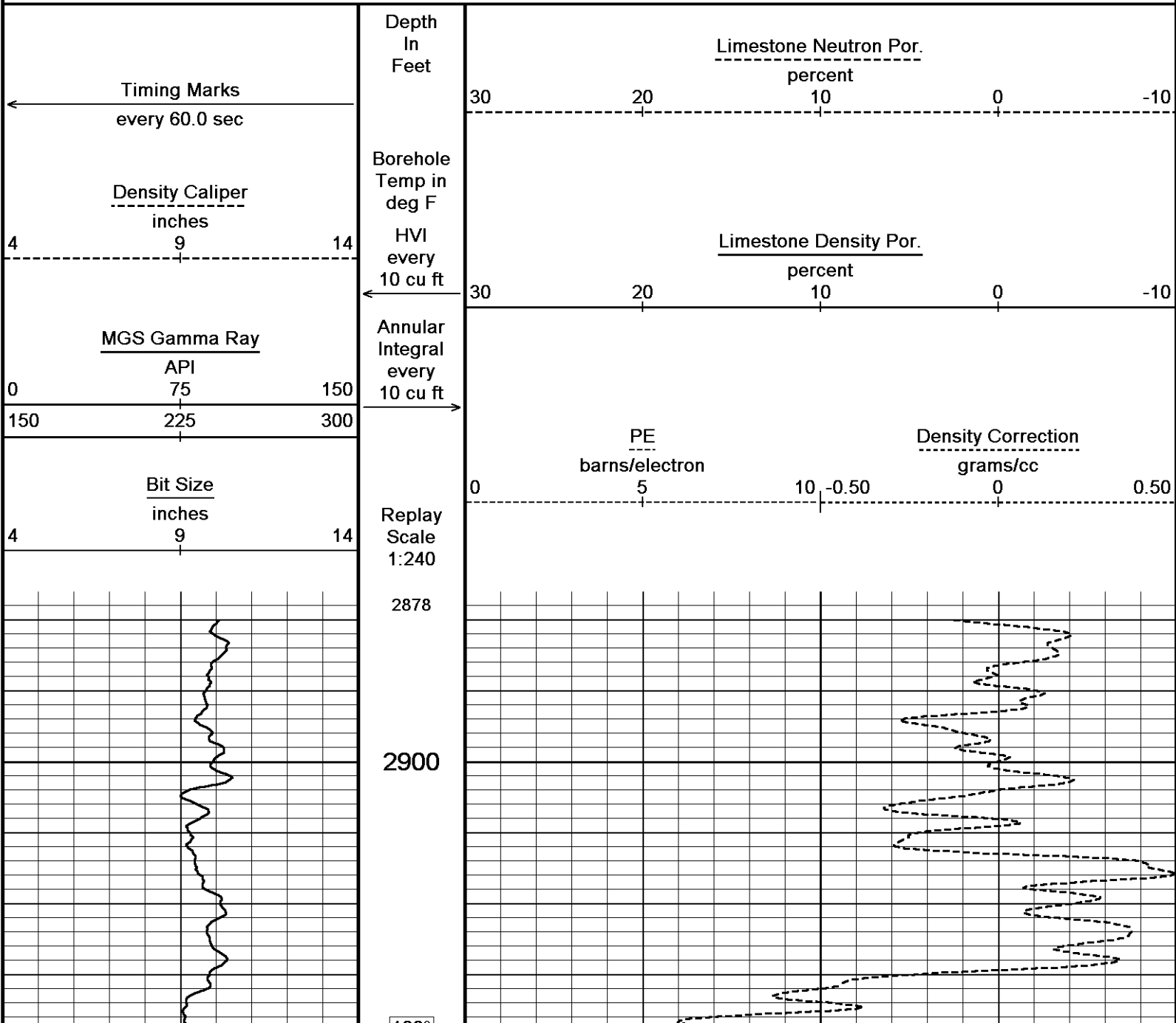
RIG: PISTOL 2

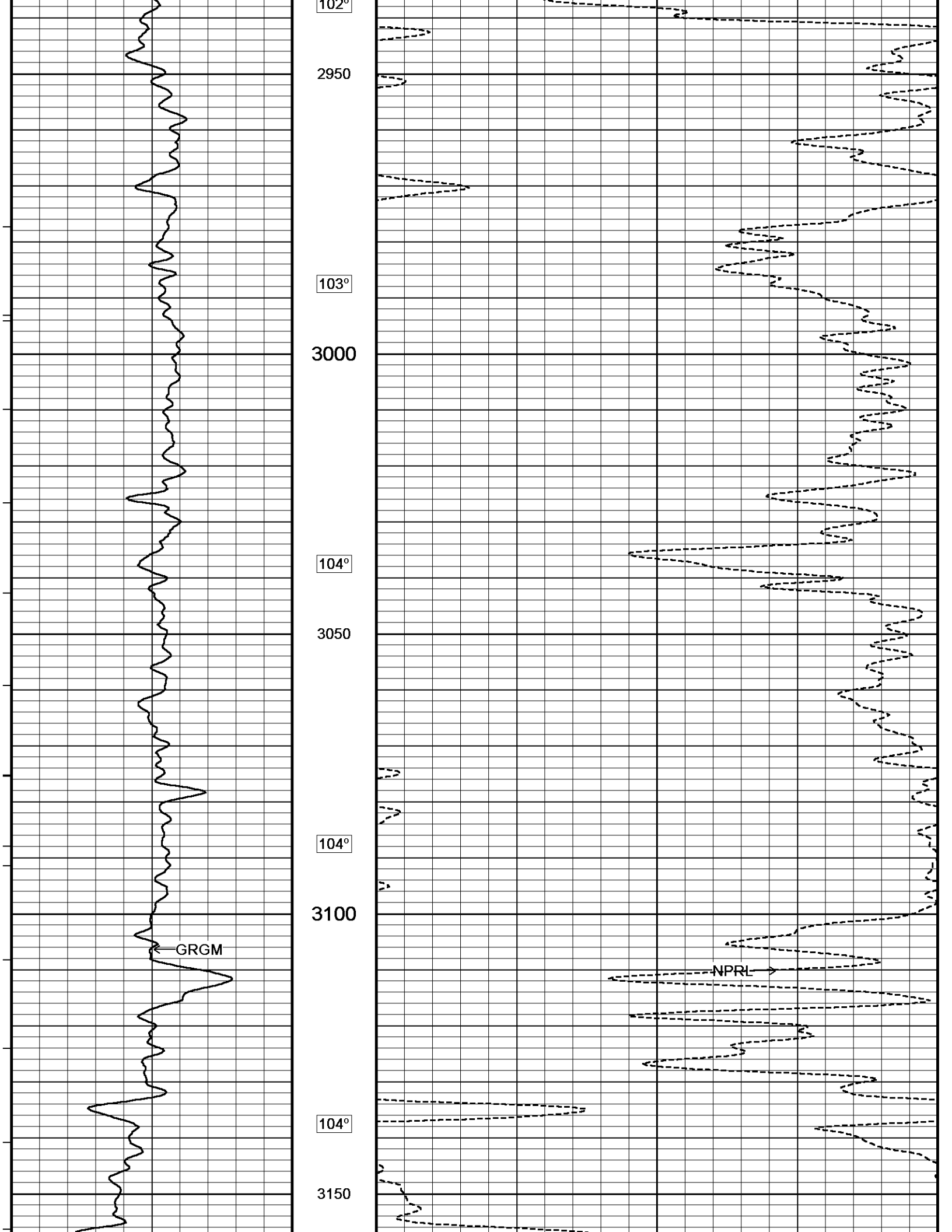
LOG RESPONSES EFFECTED BY HOLE RUGOSITY AND BIT WHIRL

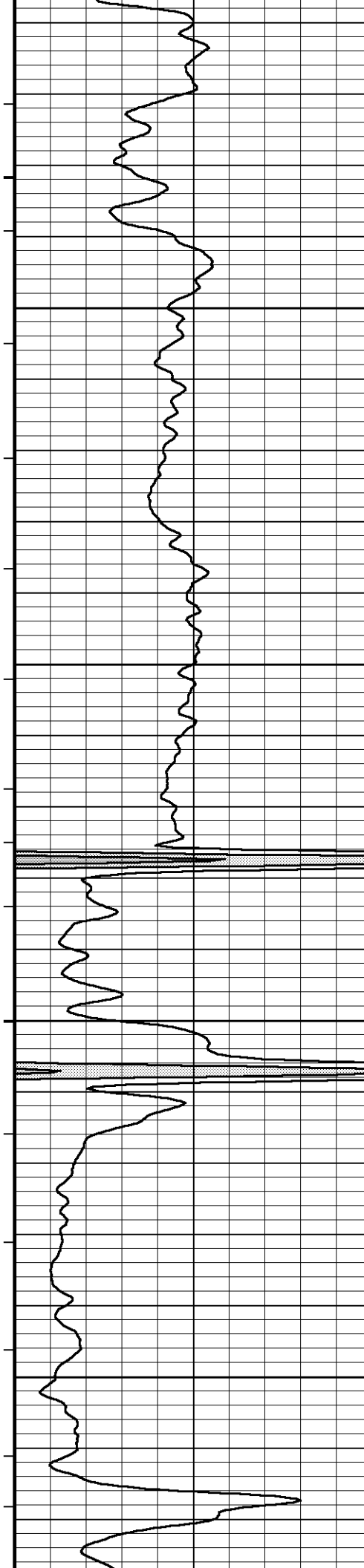
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, 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.

5 INCH MAIN LOG

Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 22-JAN-2013 14:06
 Filename: C:\DATA_13_04_8492\SOURCE Source 9-41-3-11H\33366RTAP.dta Recorded on 22-JAN-2013 12:13
 System Versions: Processed with 13.04.8492 Plotted with 13.04.8492







104°

3200

106°

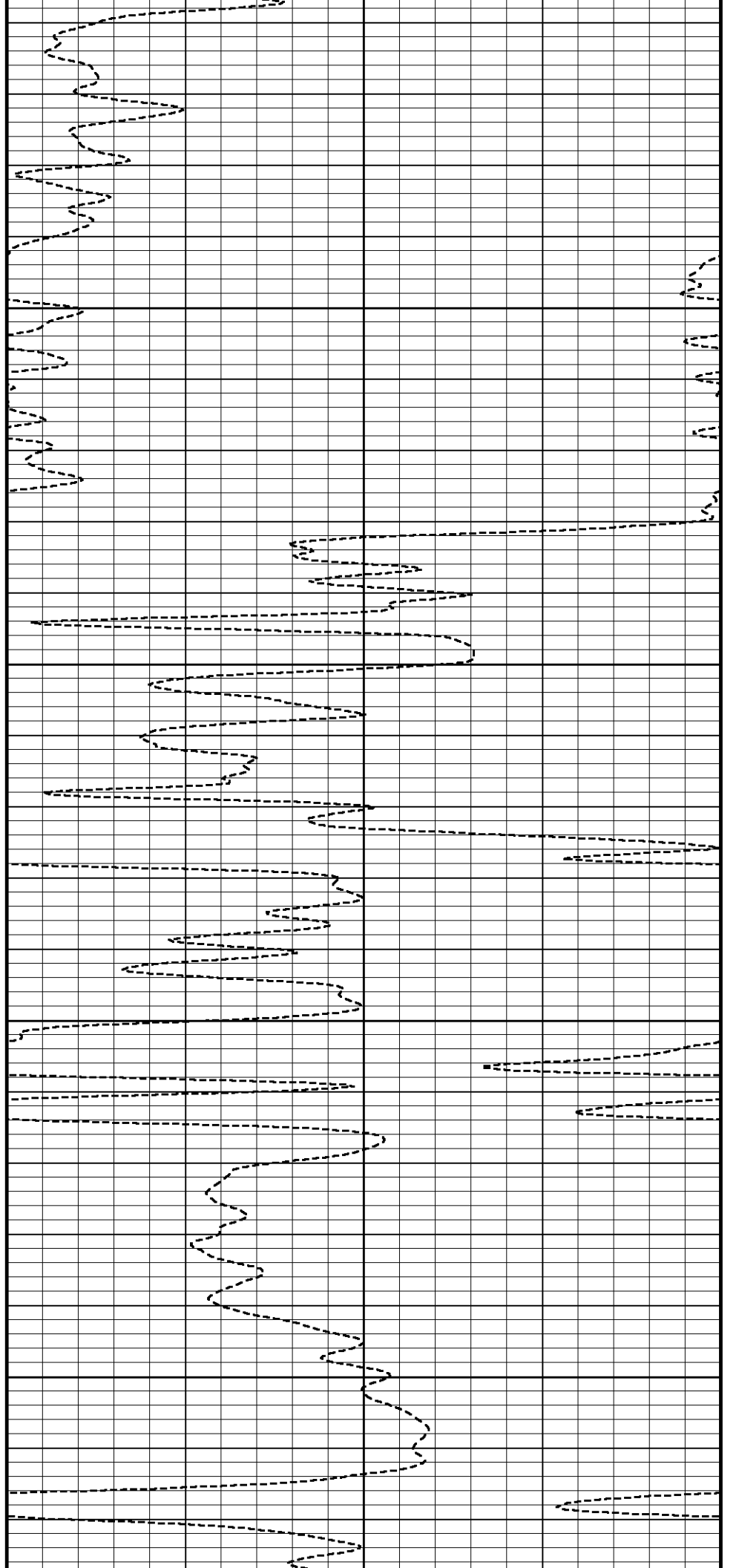
3250

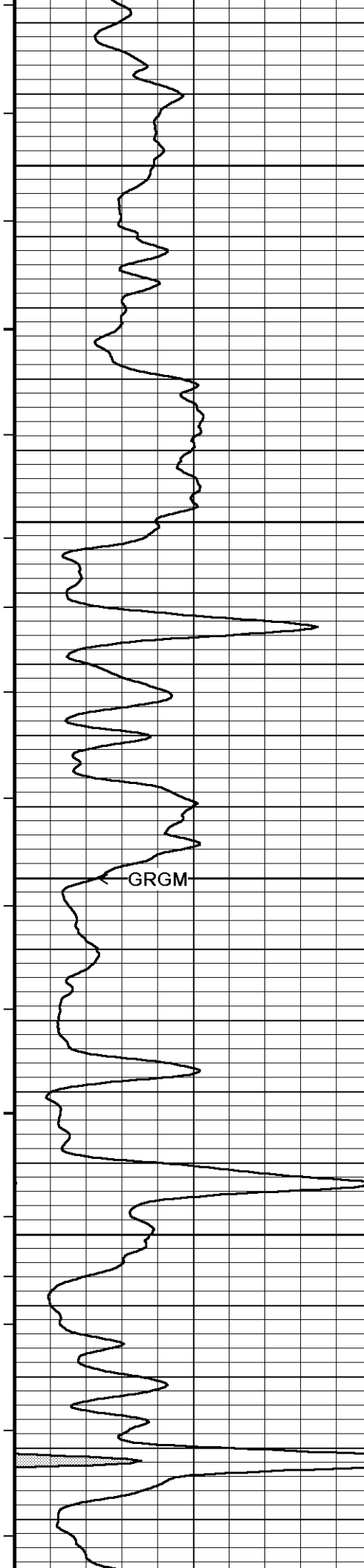
107°

3300

108°

3350





109°

3400

109°

3450

110°

3500

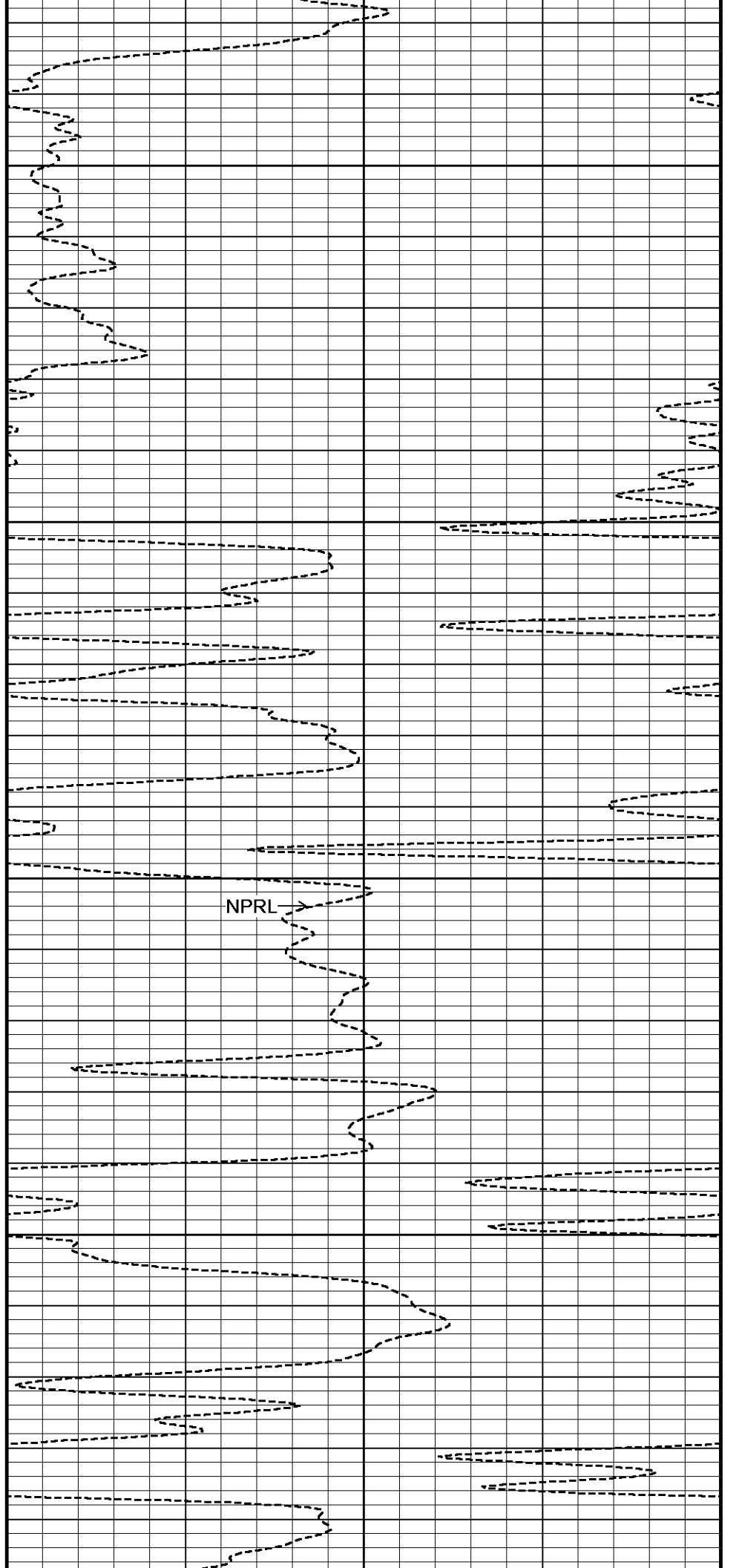
111°

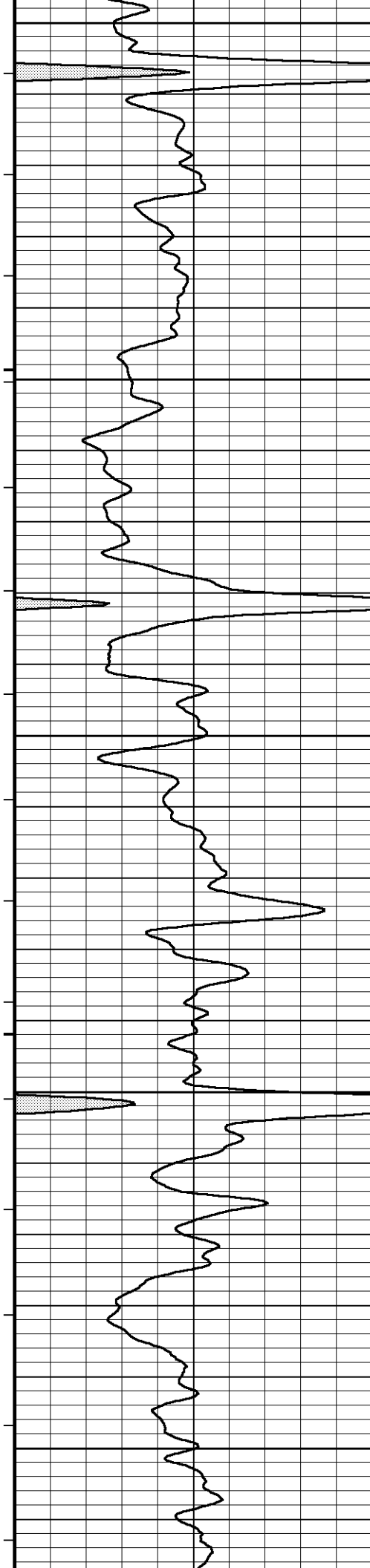
3550

111°

GRGM ←

NPRL →





3600

112°

3650

112°

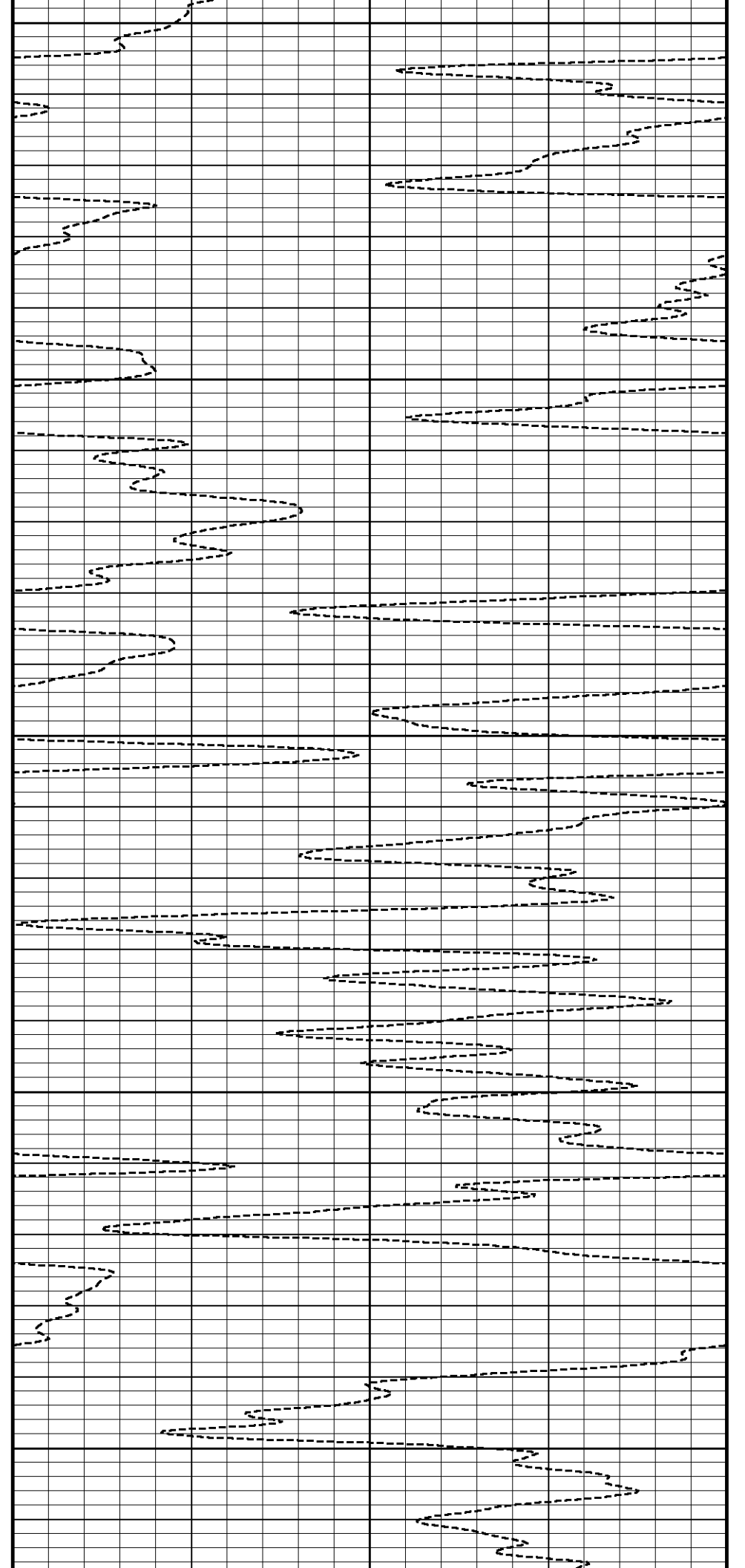
3700

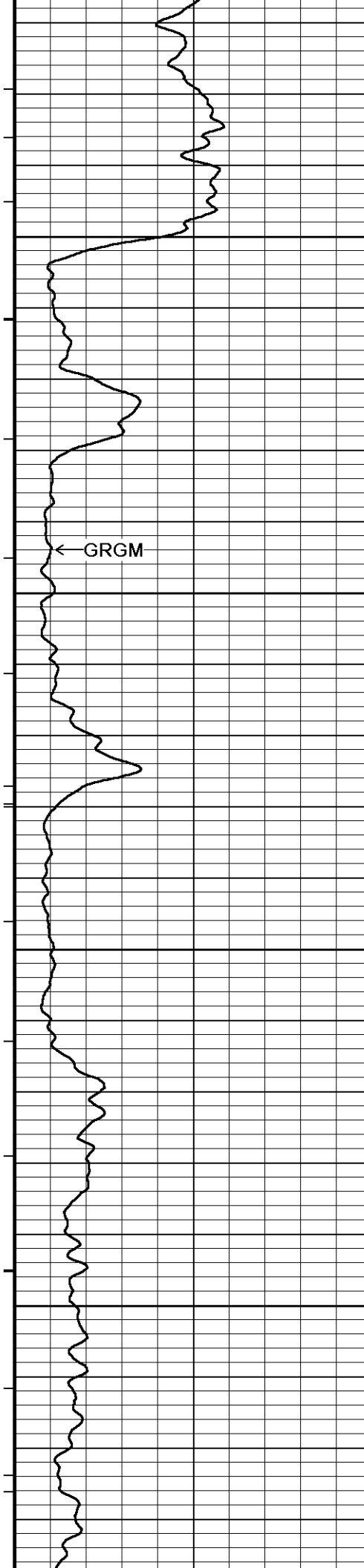
112°

3750

113°

3800





114°

3850

114°

3900

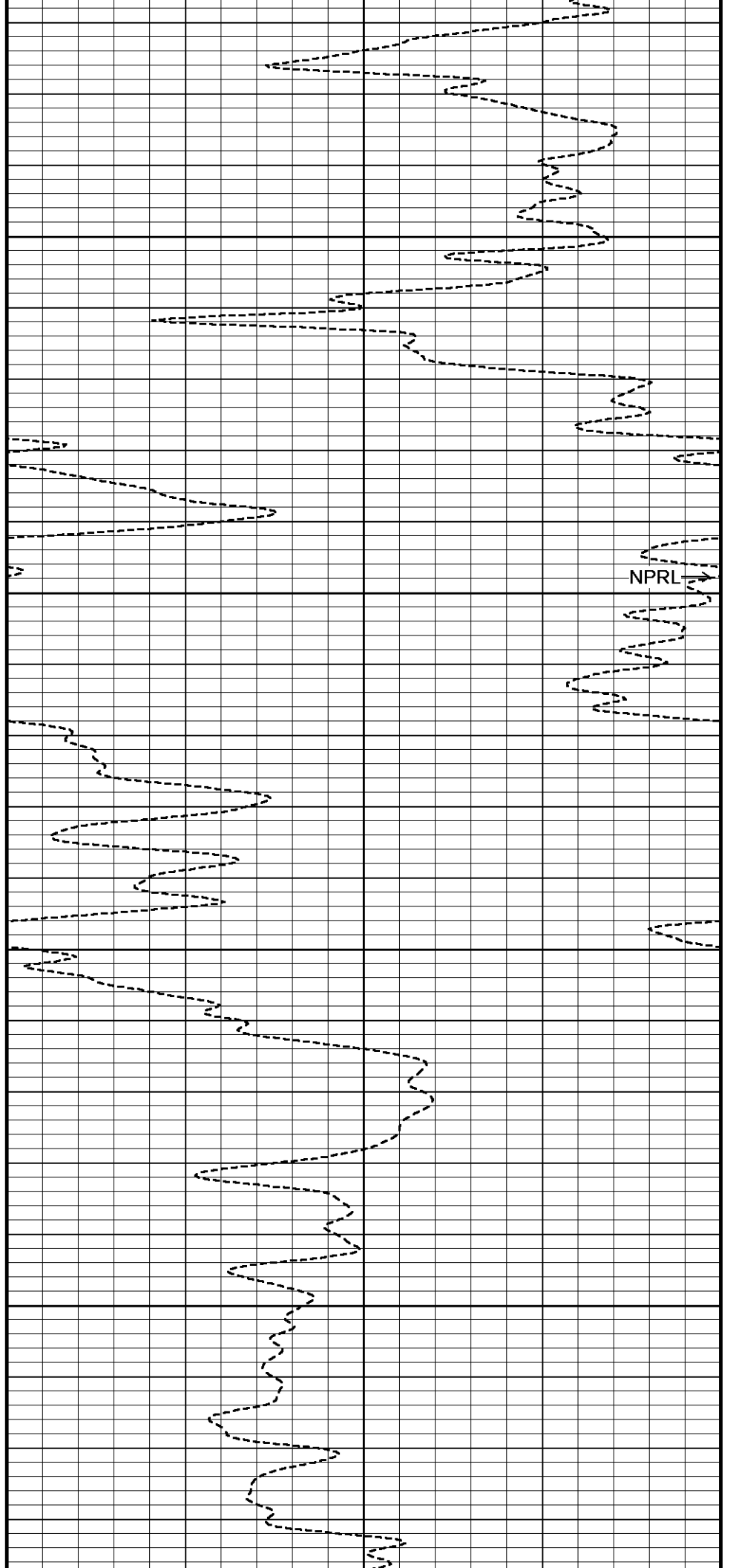
115°

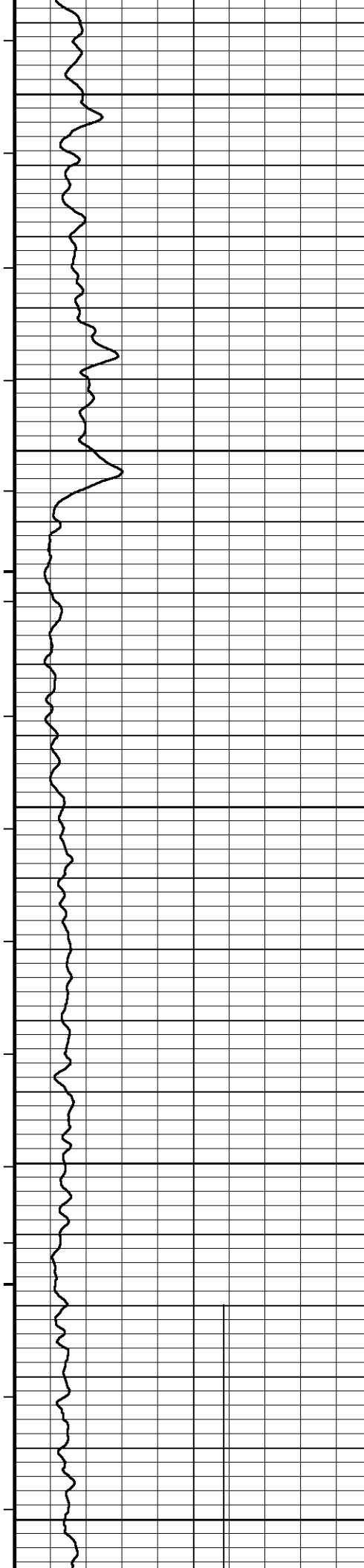
3950

116°

4000

117°





117°

4050

117°

4100

118°

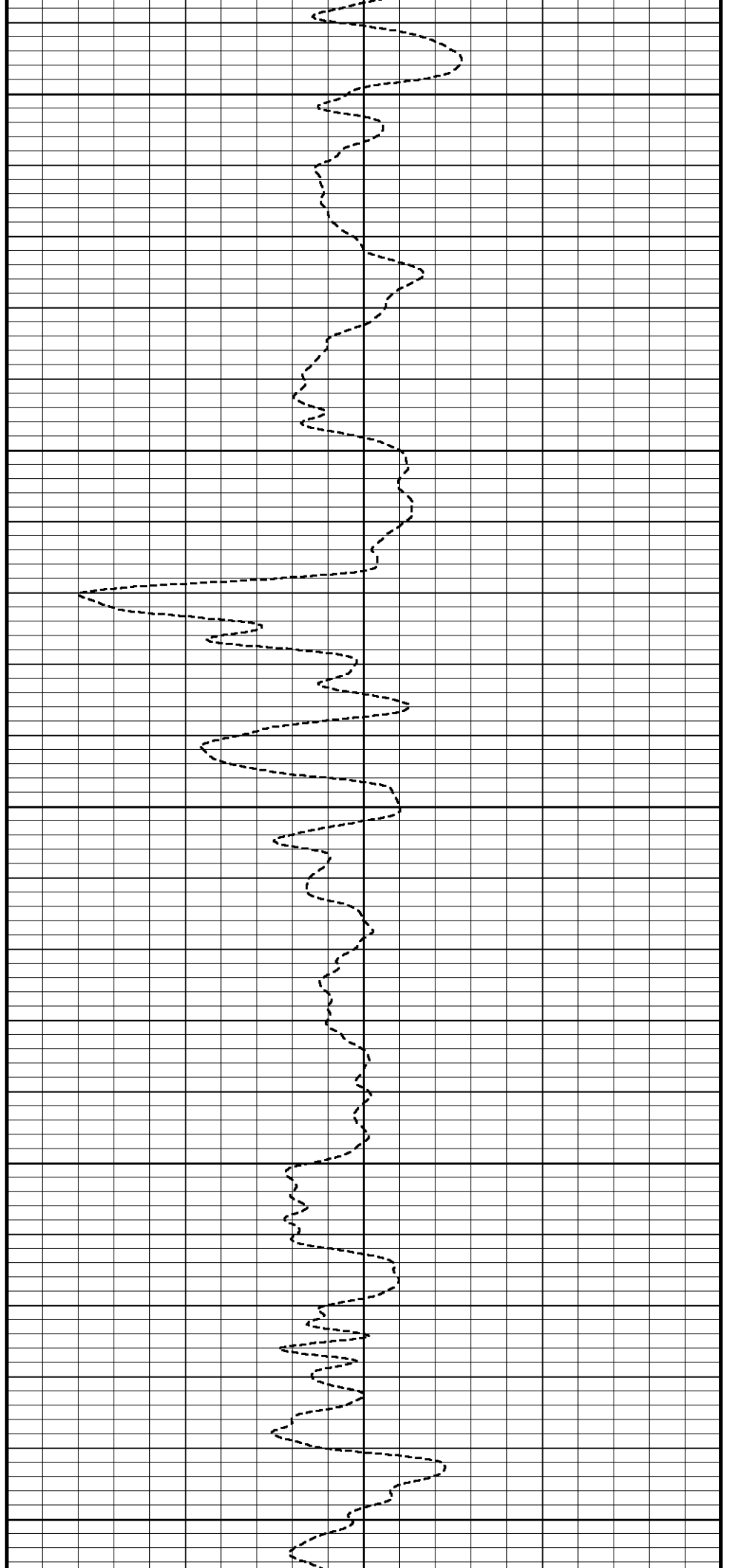
4150

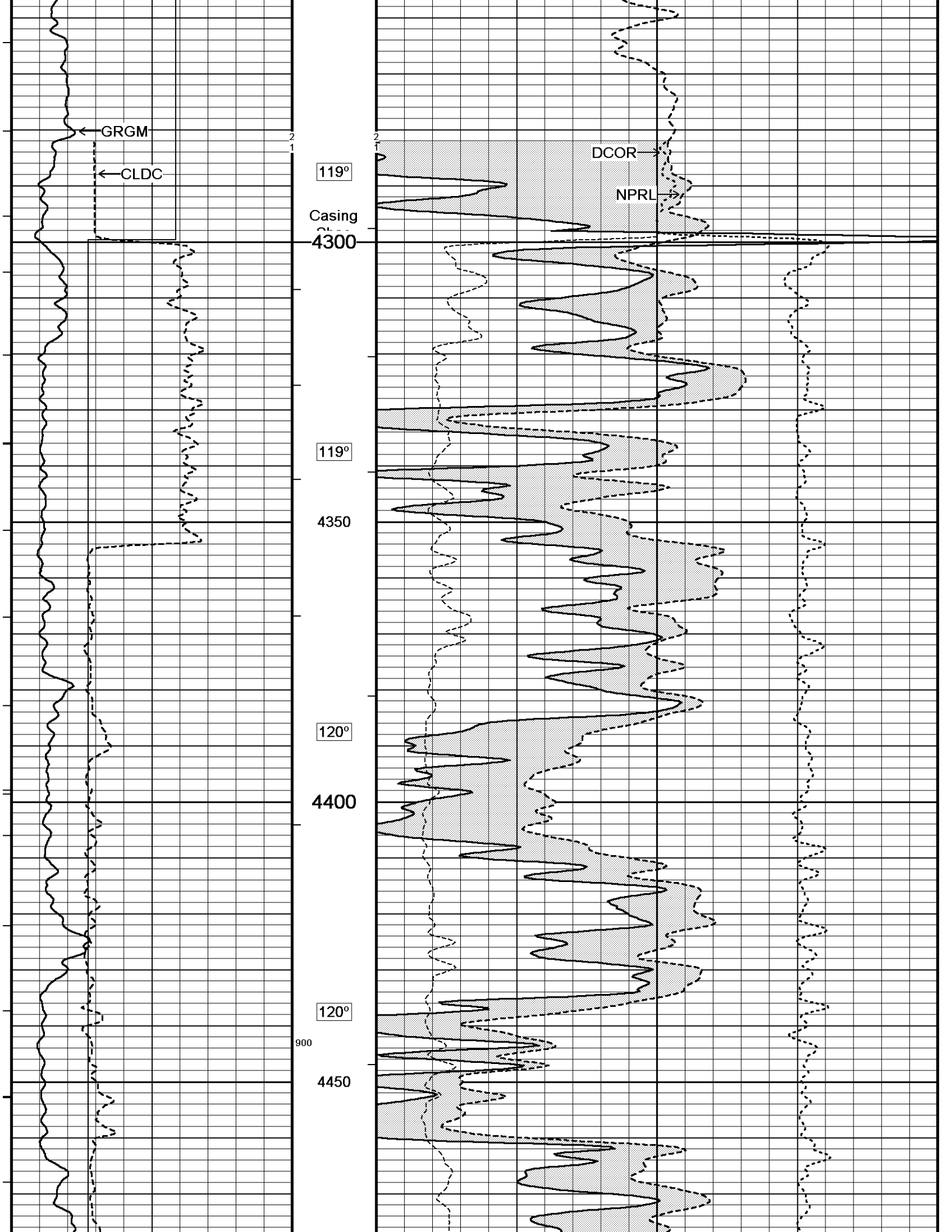
118°

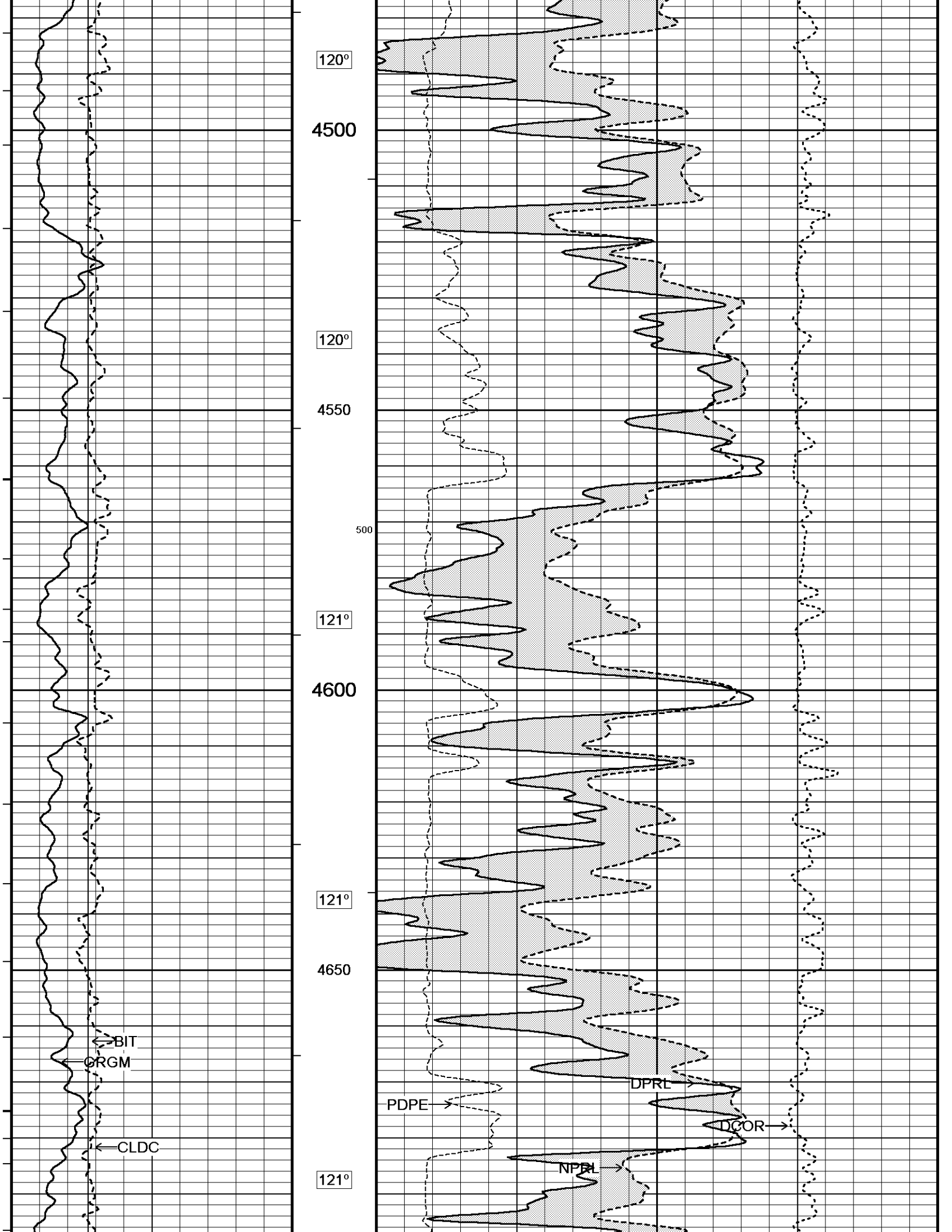
4200

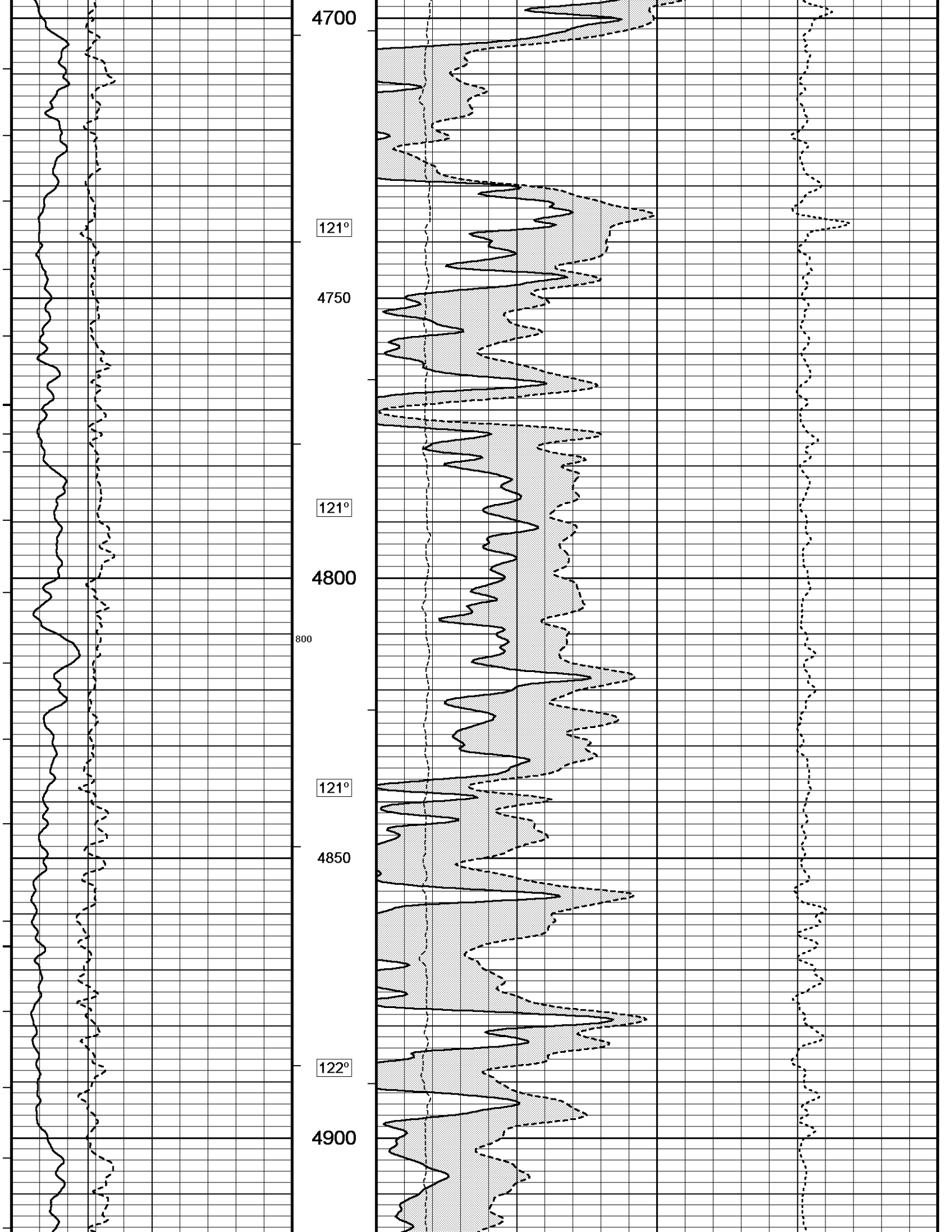
119°

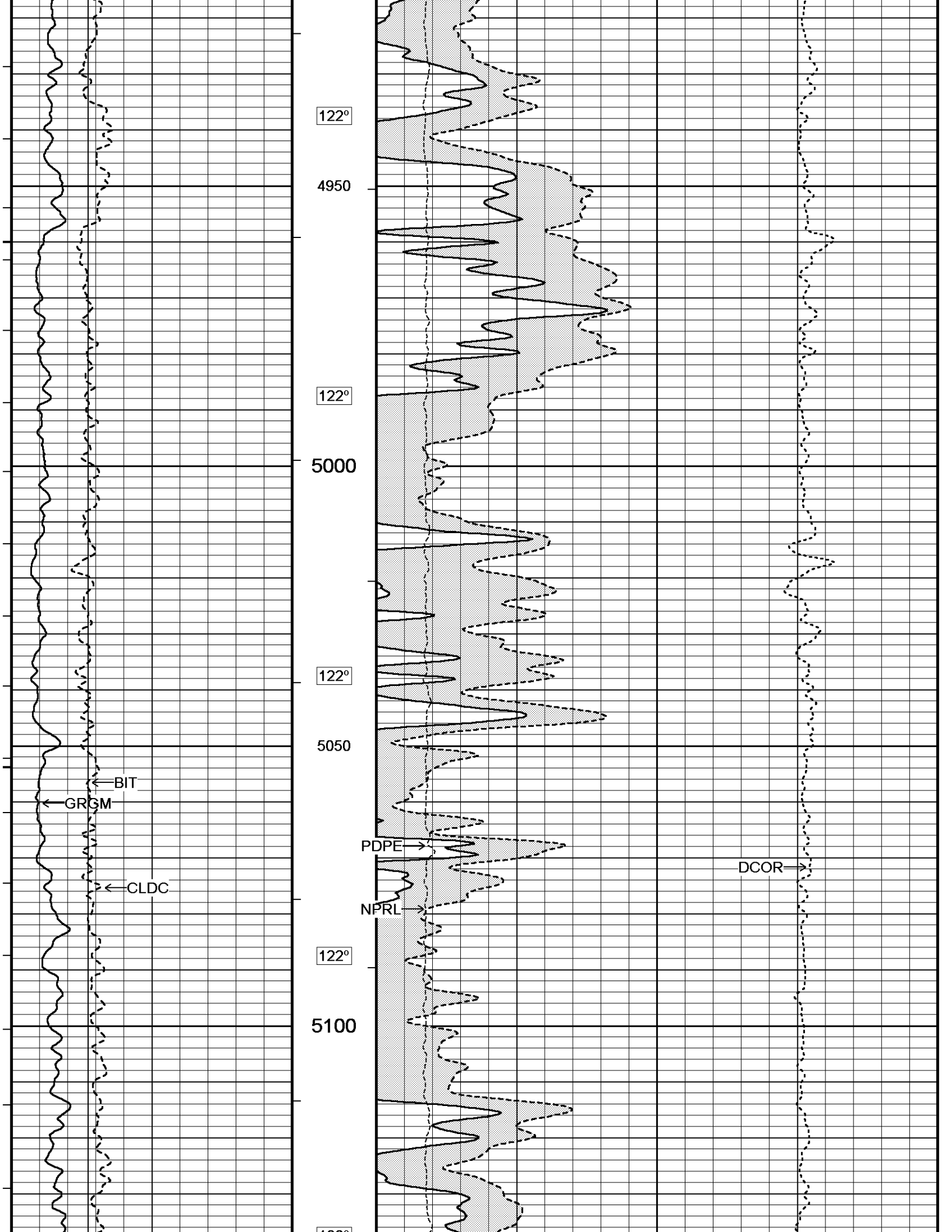
4250

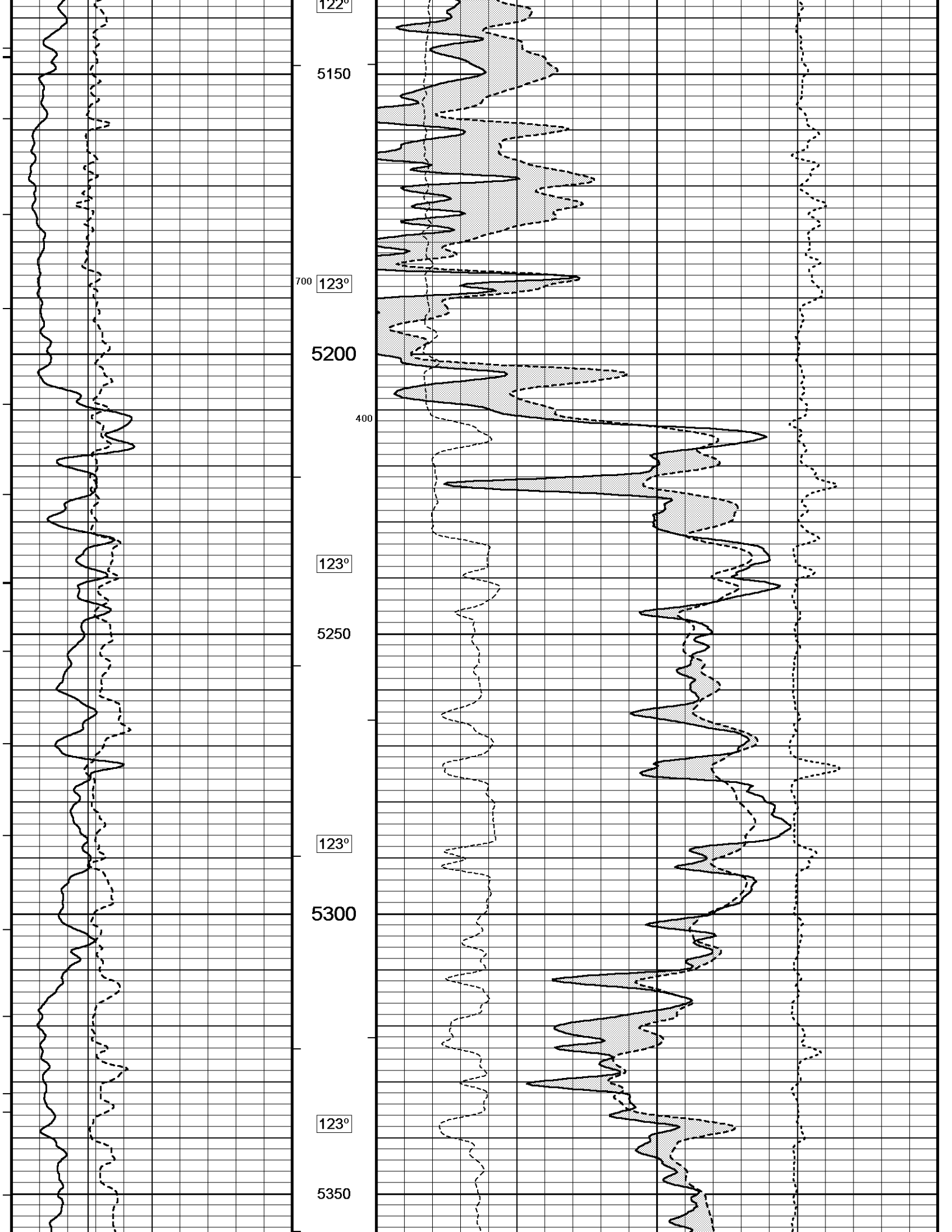


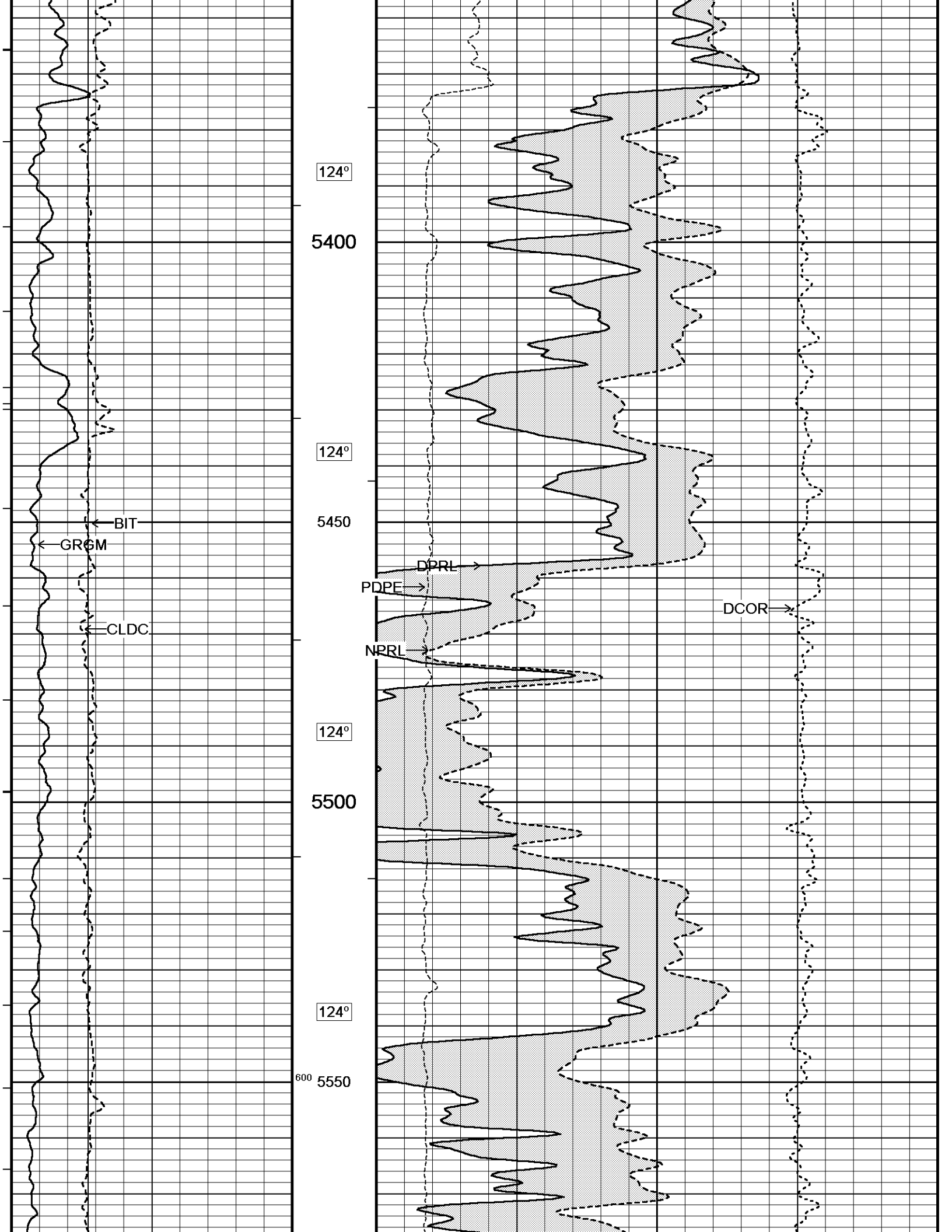


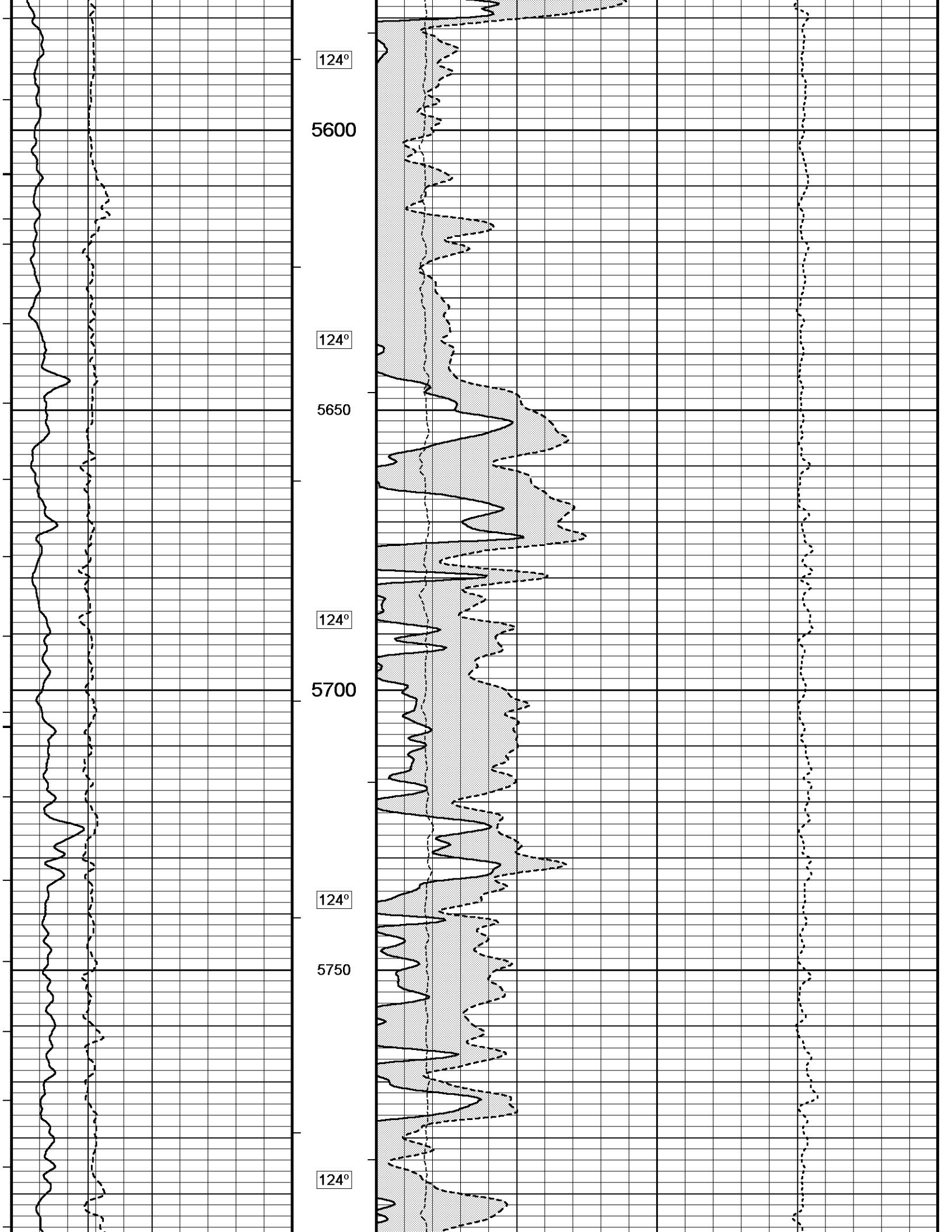


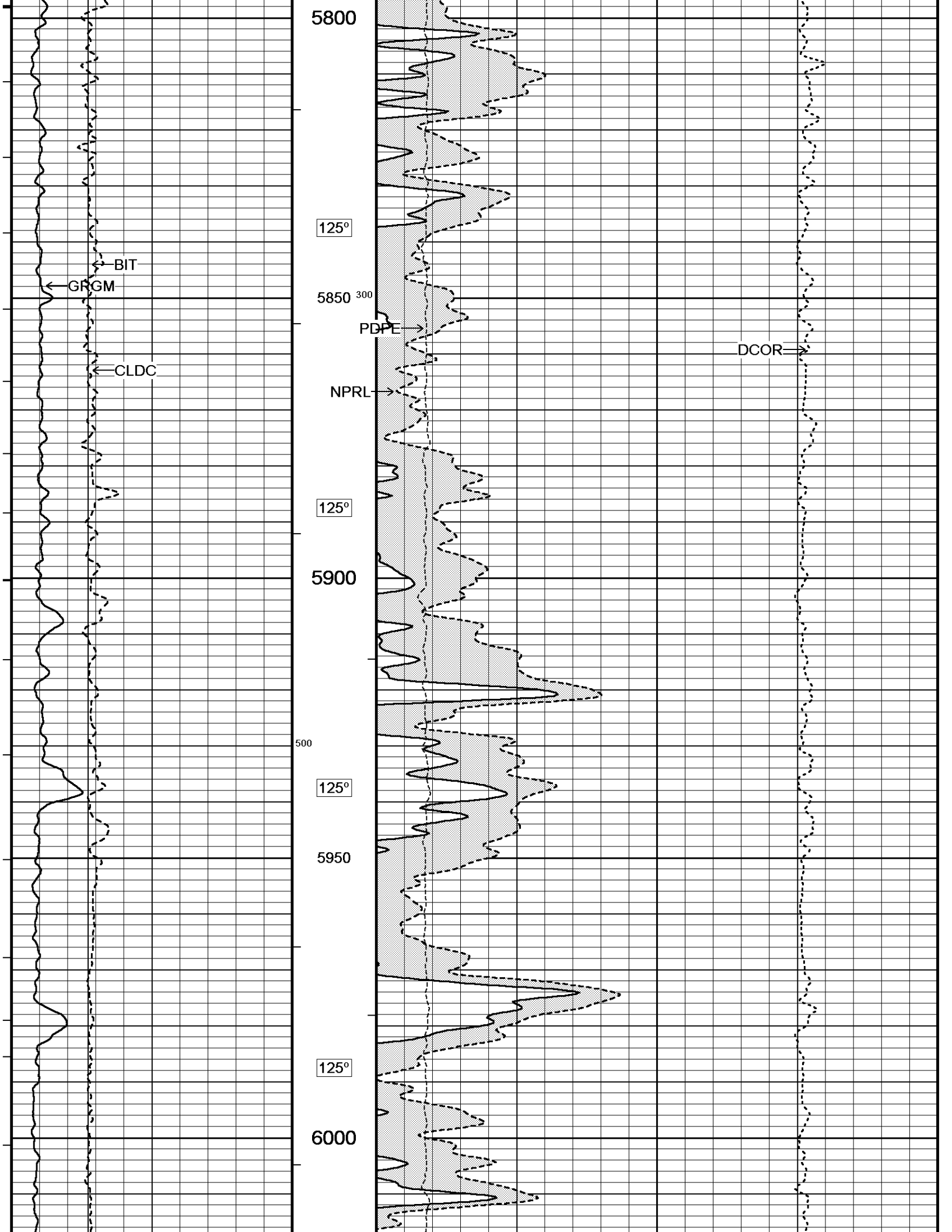


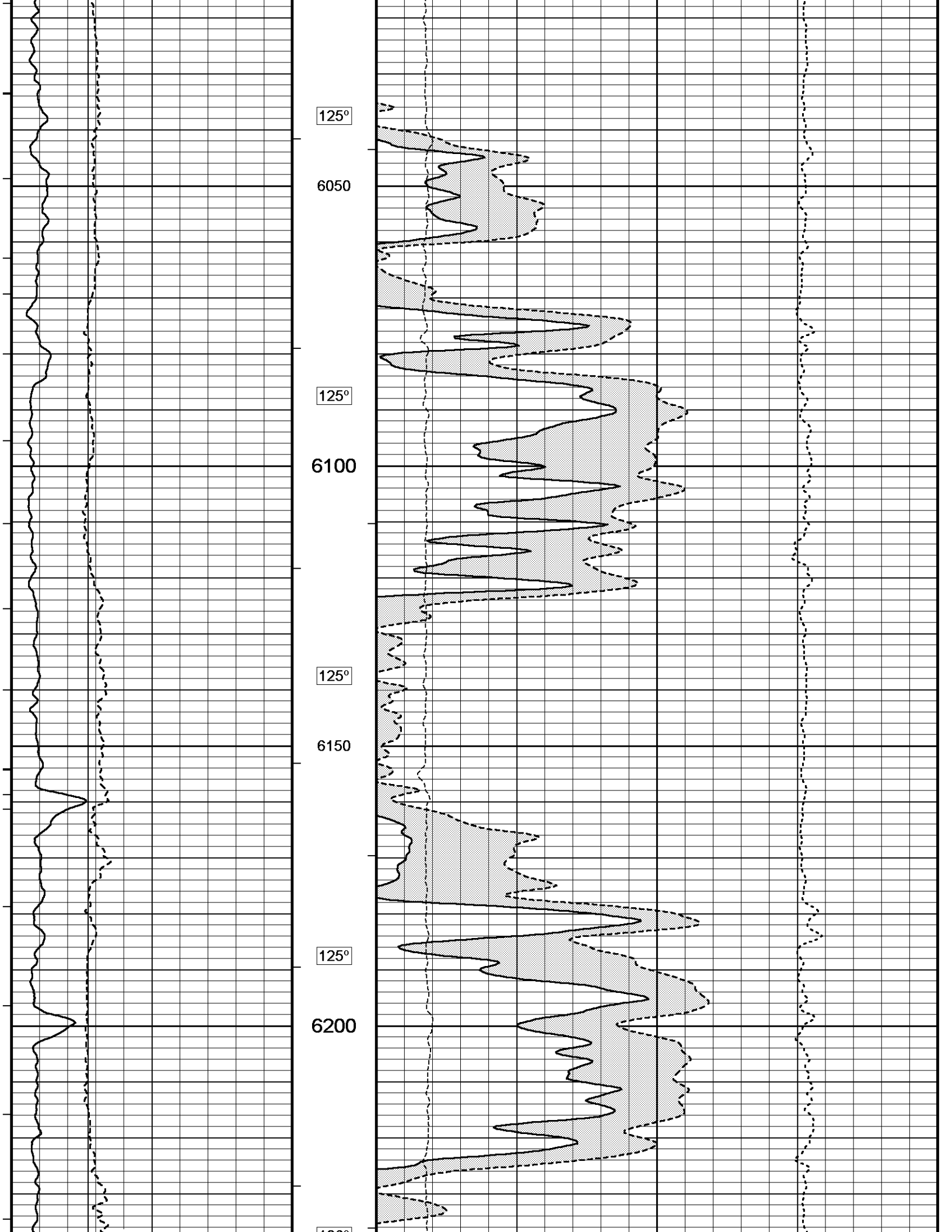


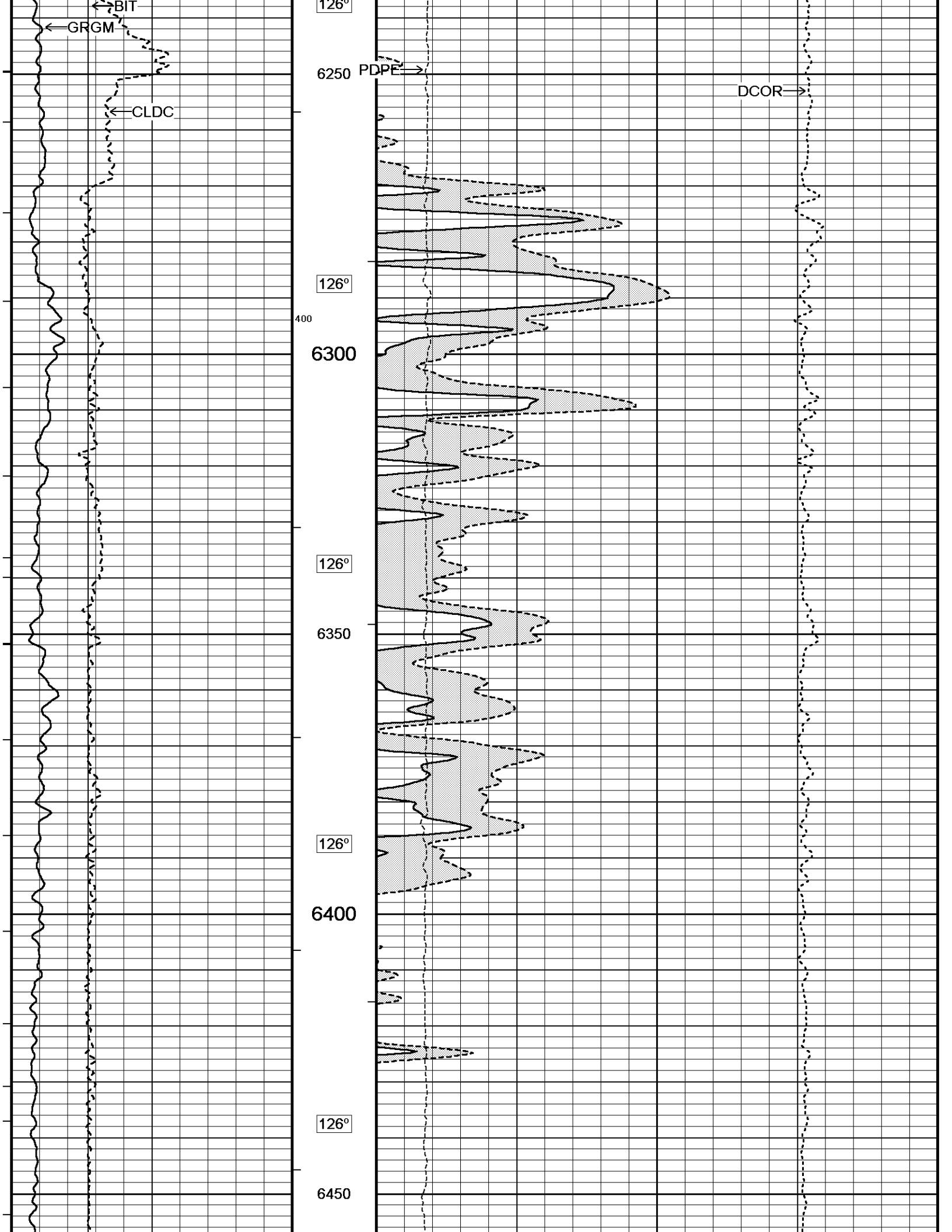


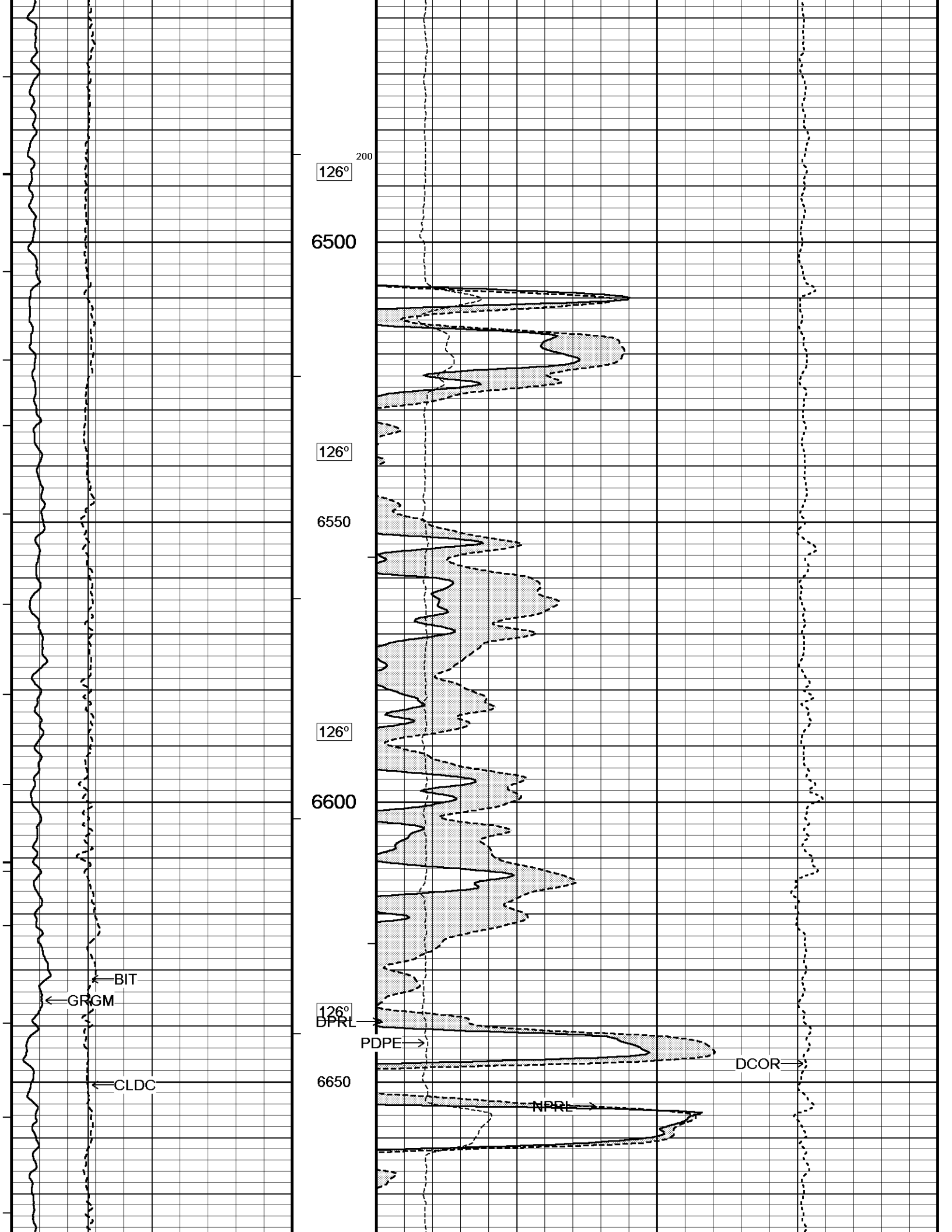


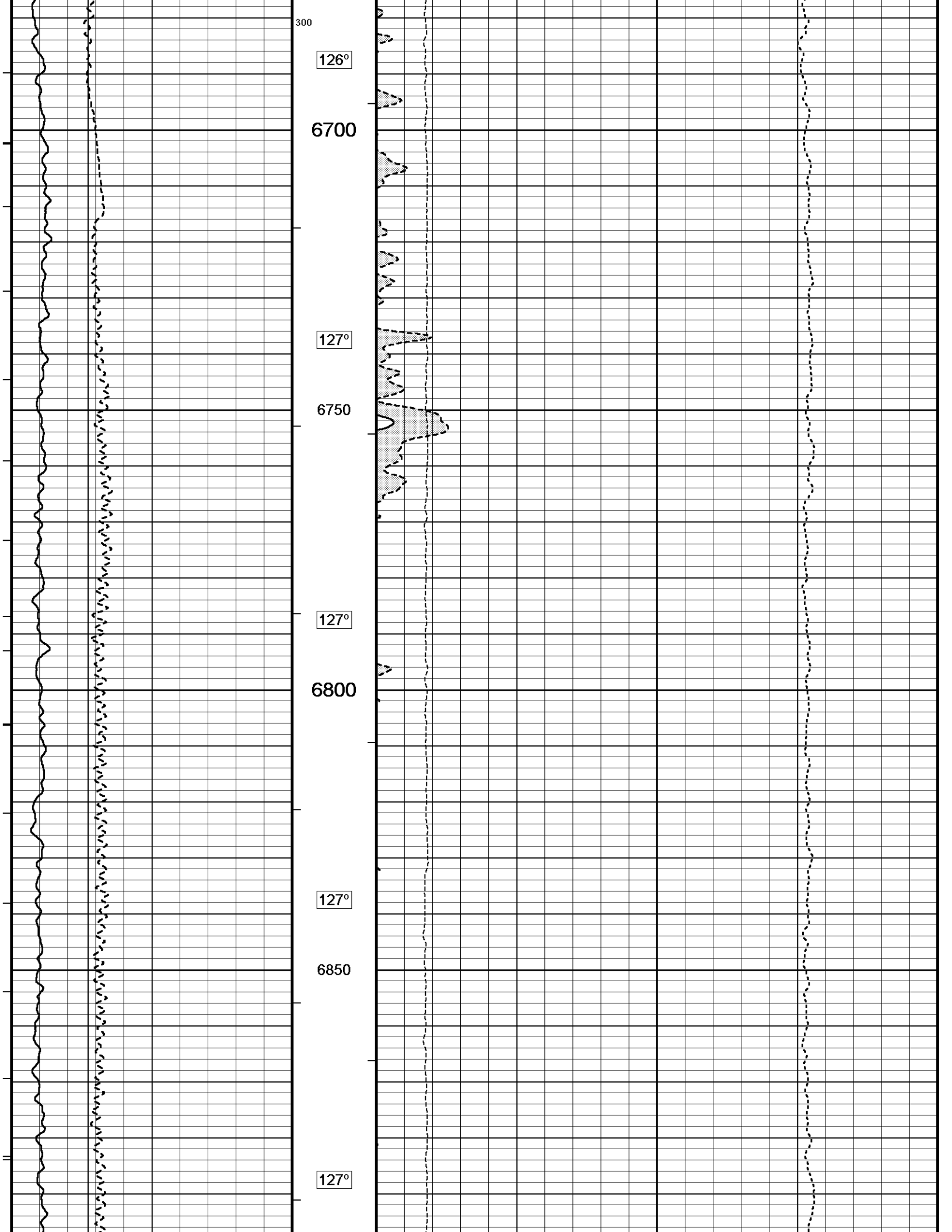


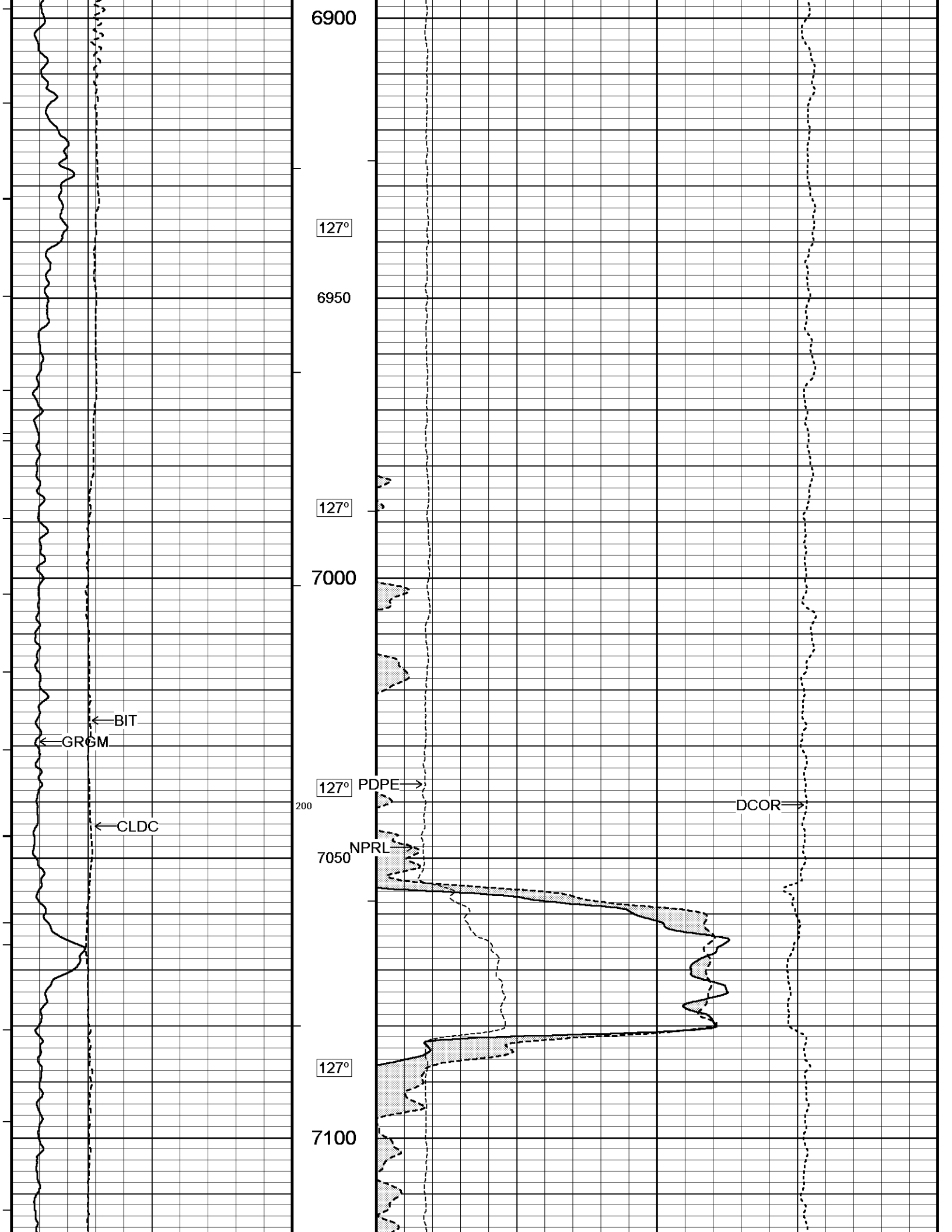


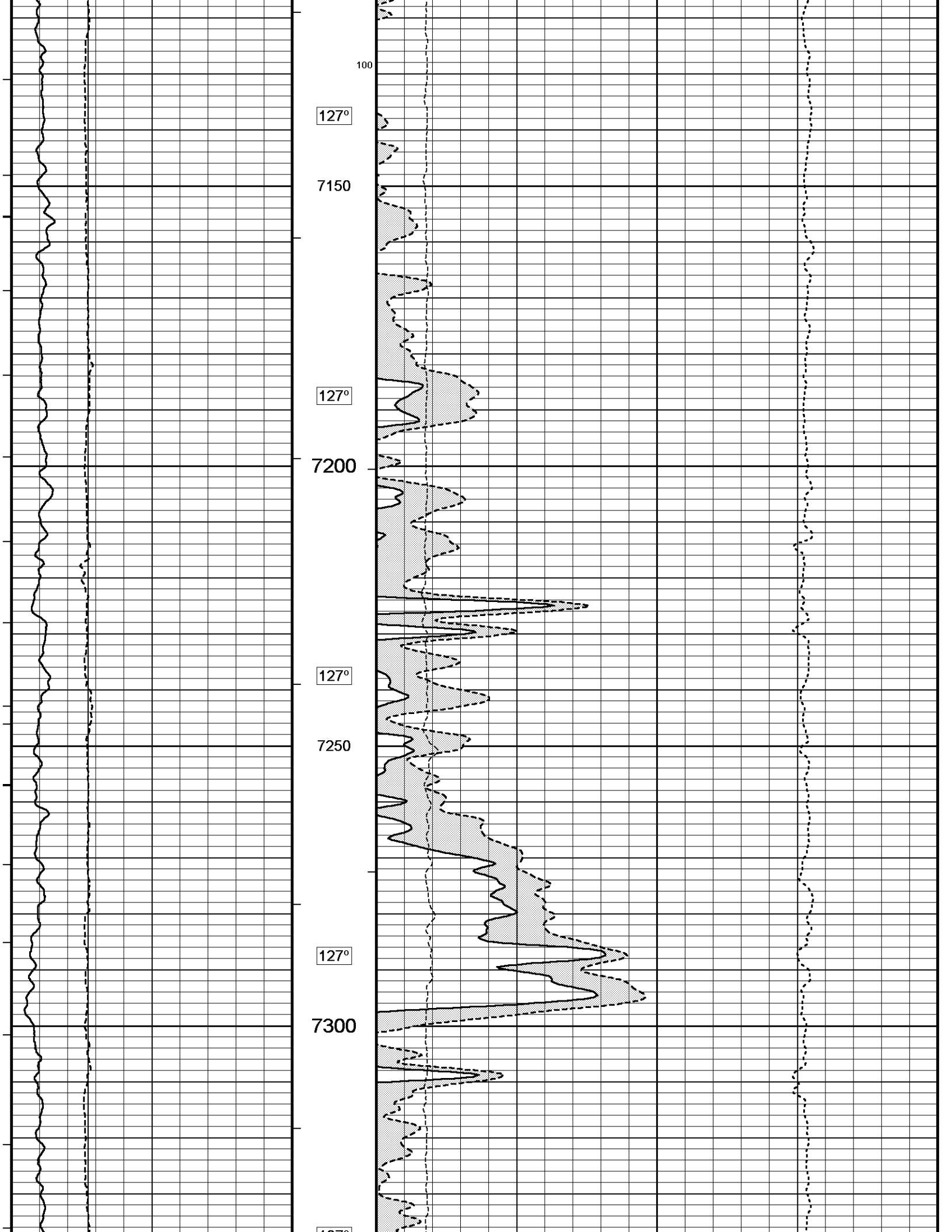


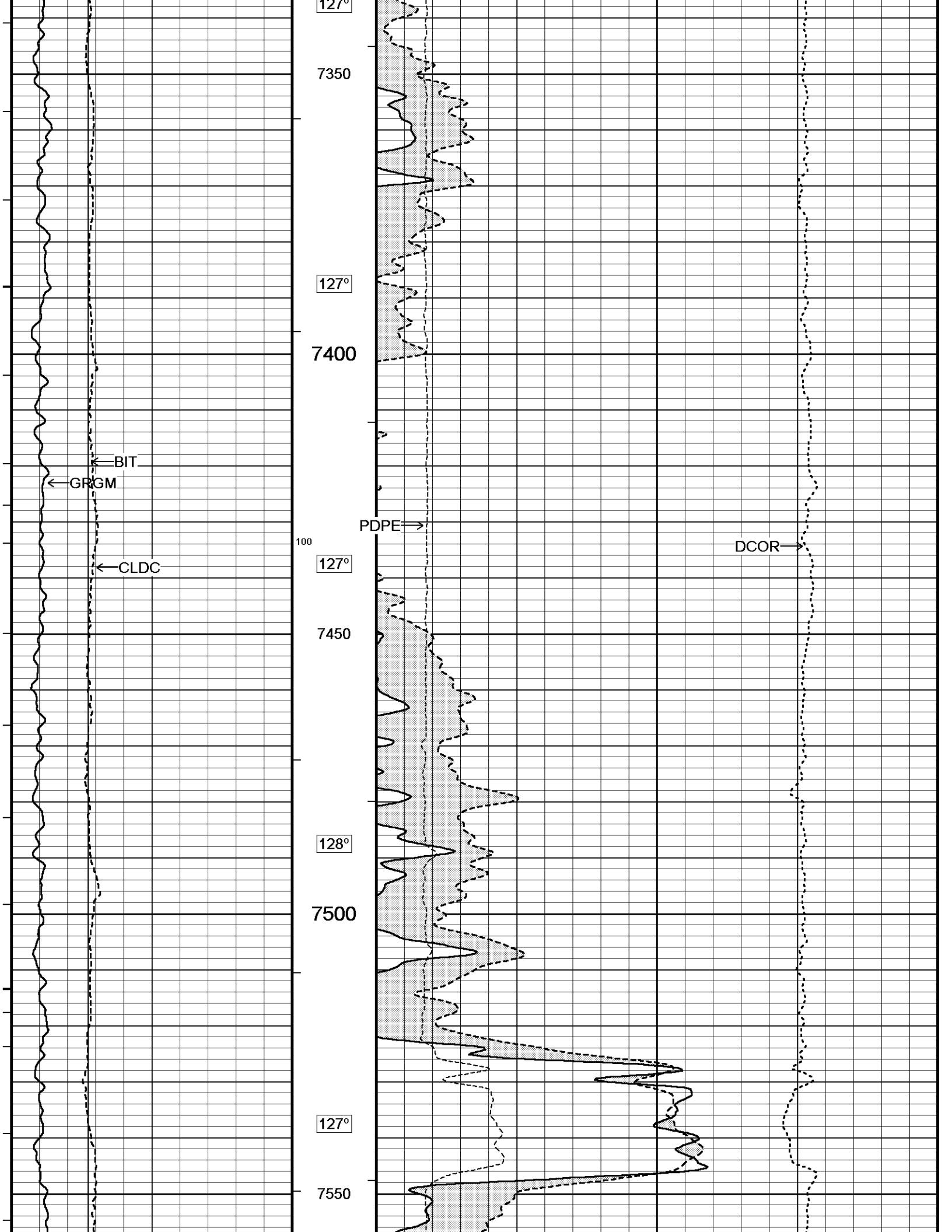


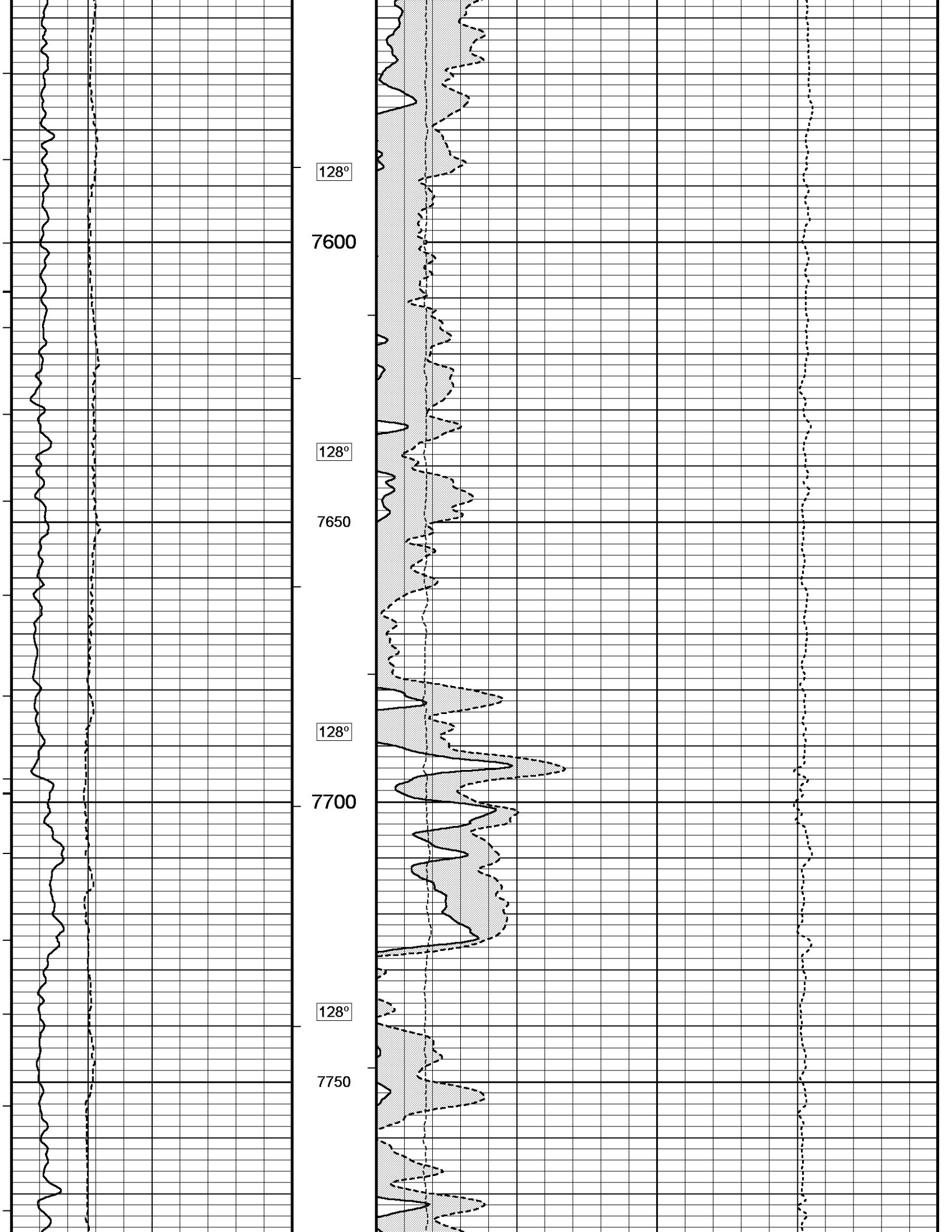


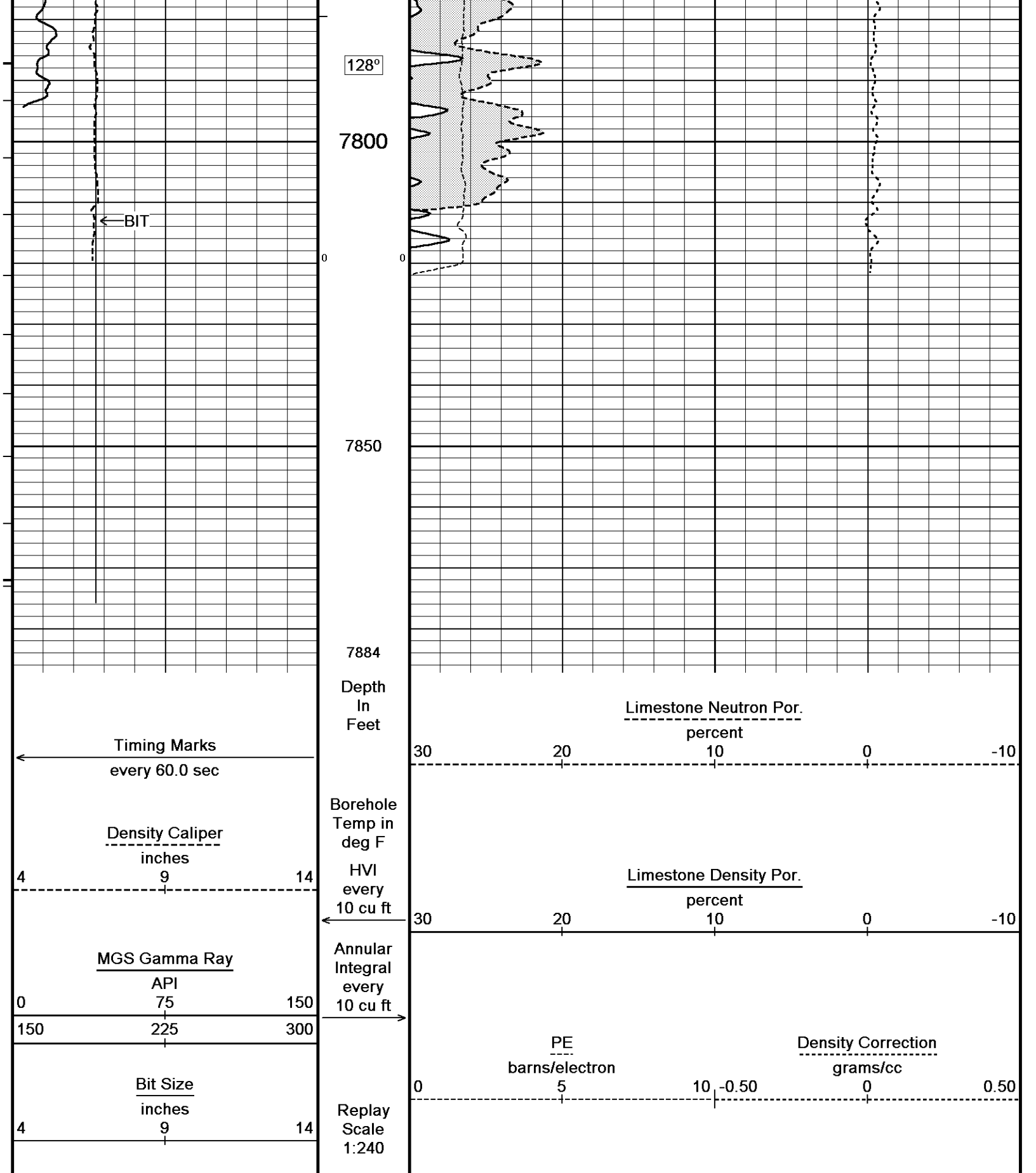








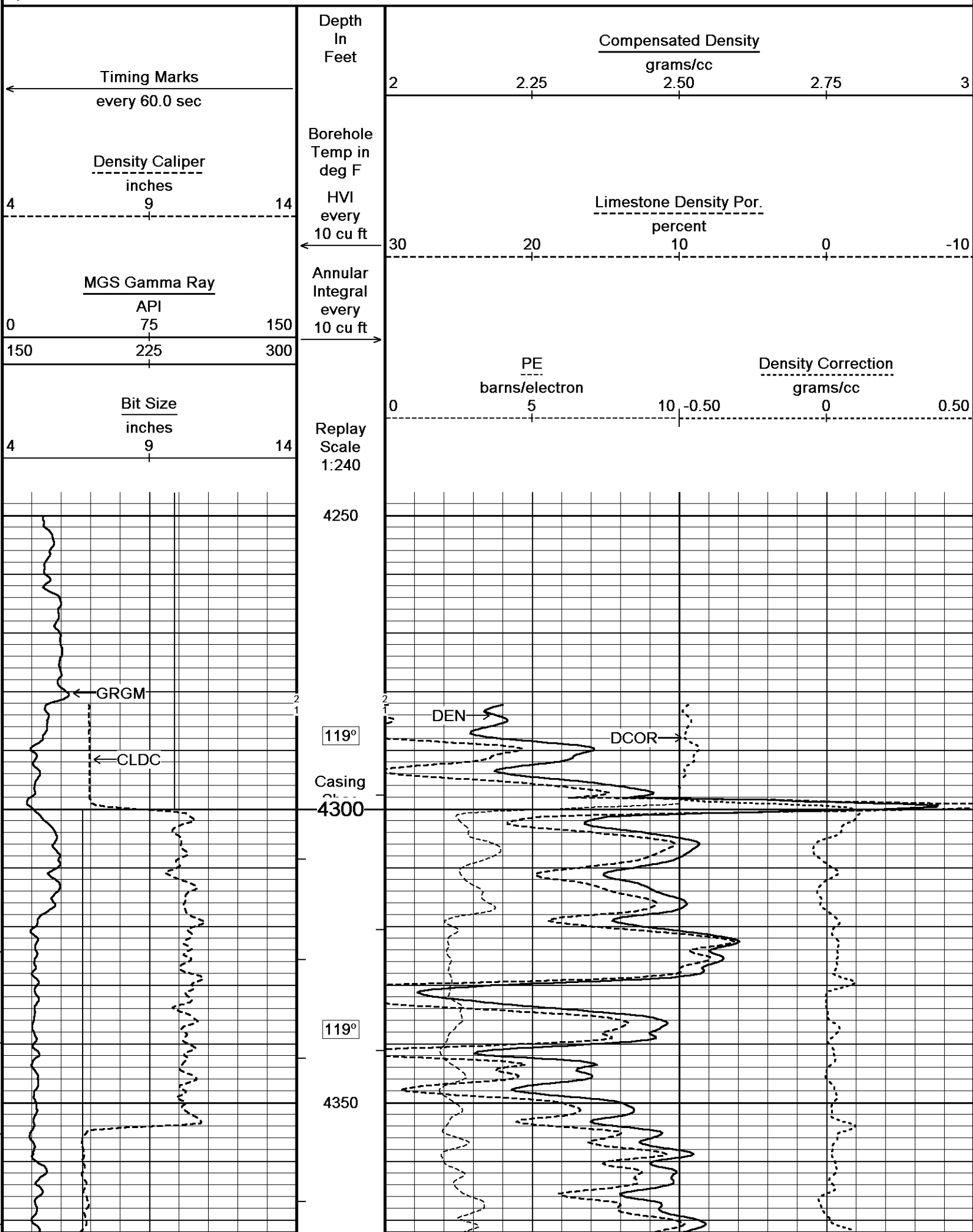


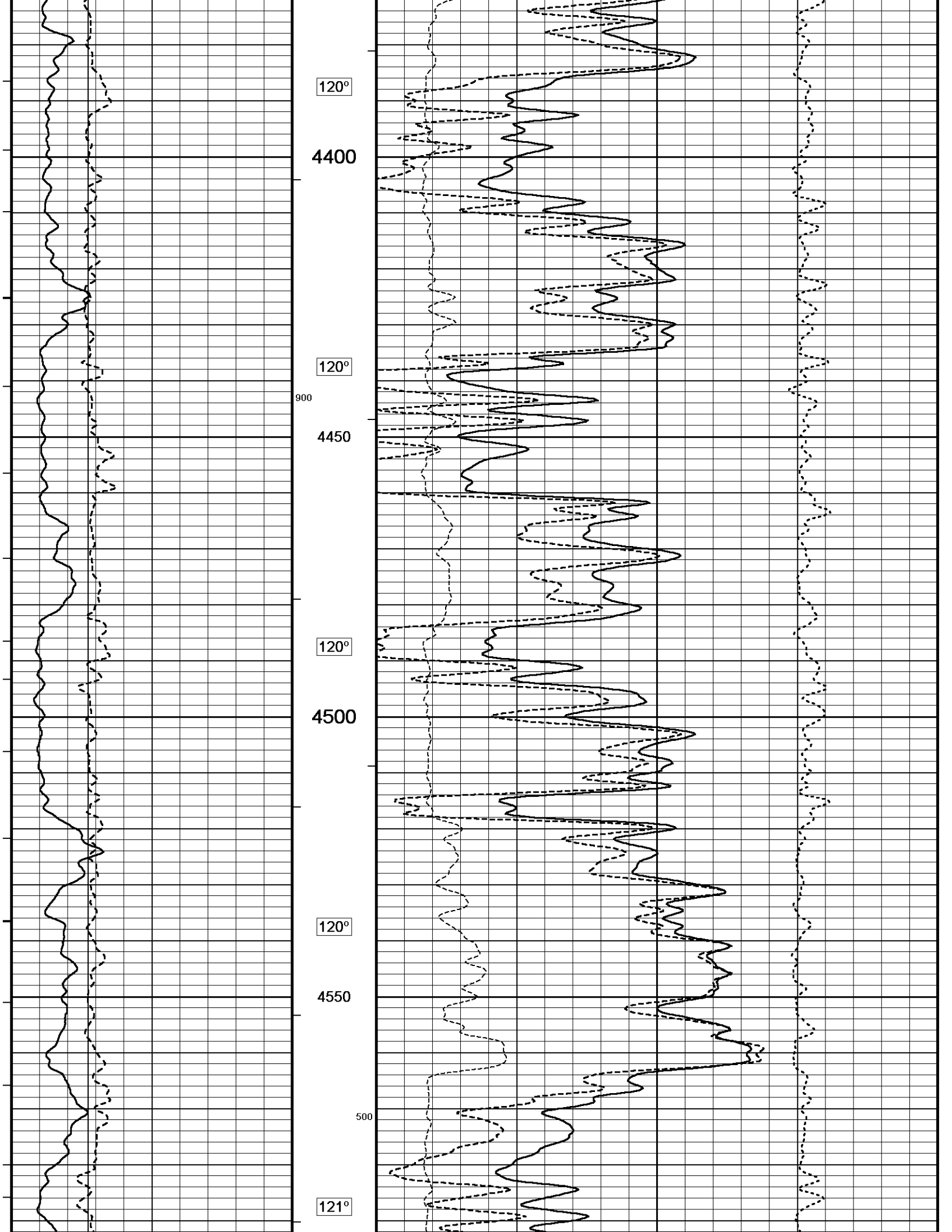


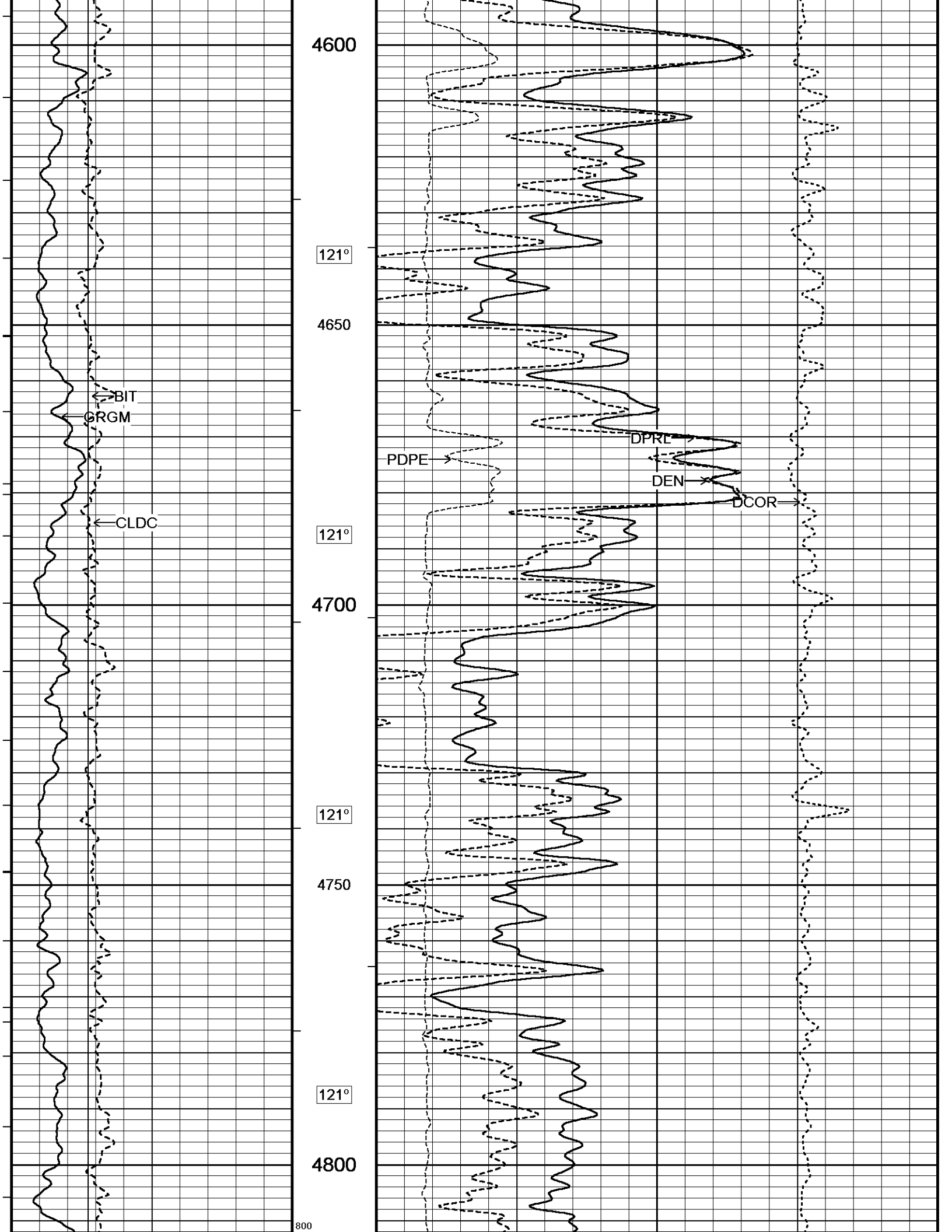
Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 22-JAN-2013 14:06
 Filename: C:\DATA_13_04_8492\SOURCE Source 9-41-3-11H\33366RTAP.dta
 Recorded on 22-JAN-2013 12:13
 System Versions: Processed with 13.04.8492 Plotted with 13.04.8492

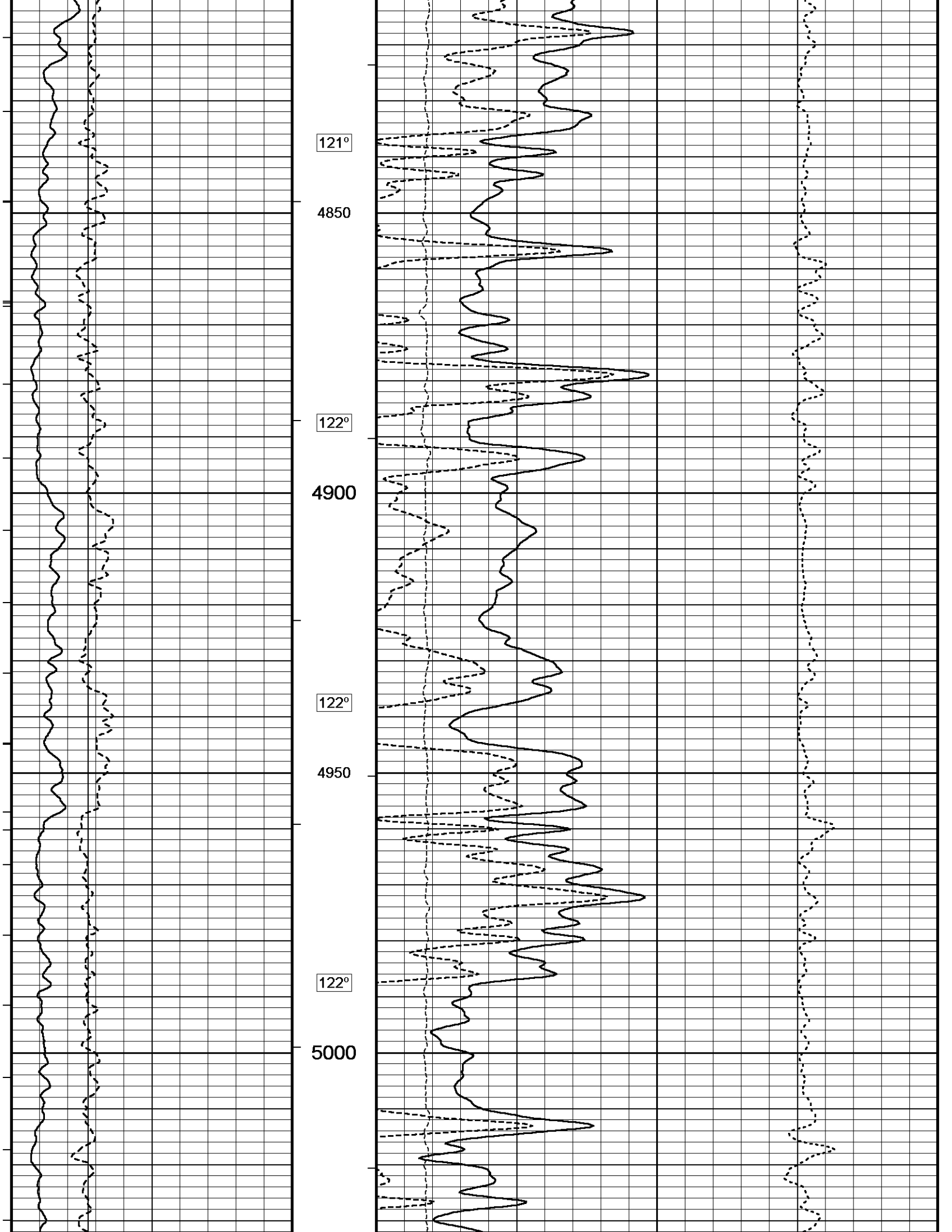
↑ 5 INCH MAIN LOG ↑

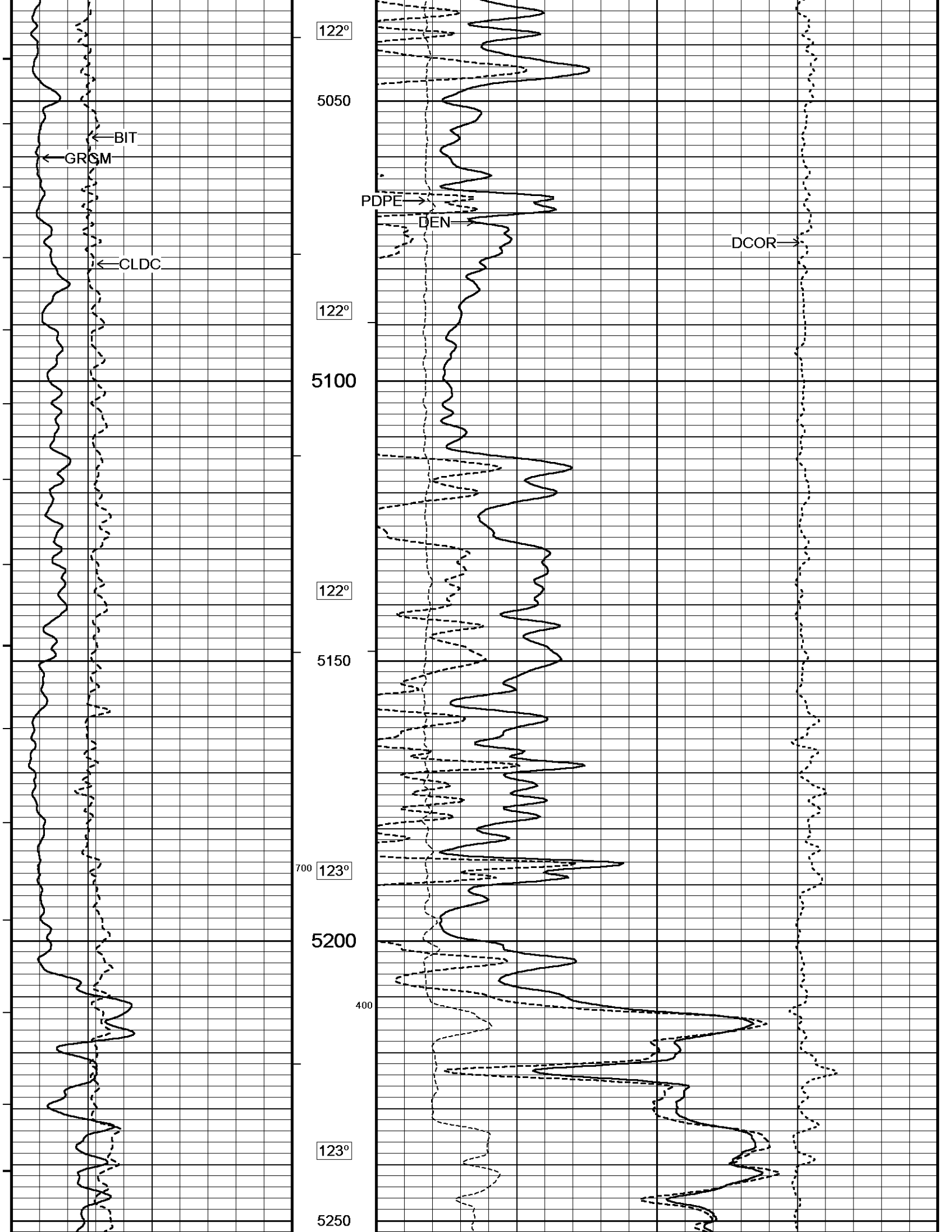
↓ 5 INCH BULK DENSITY ↓

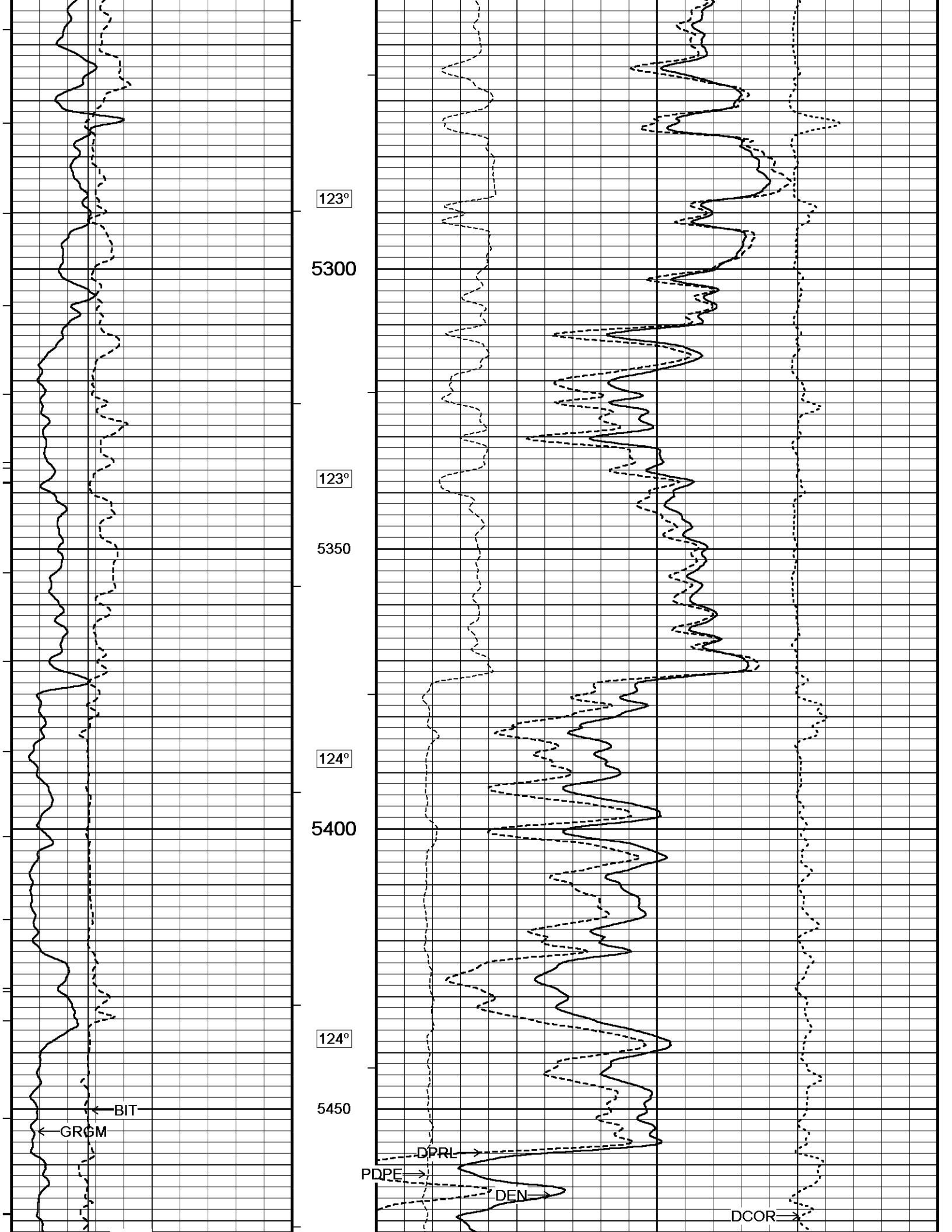


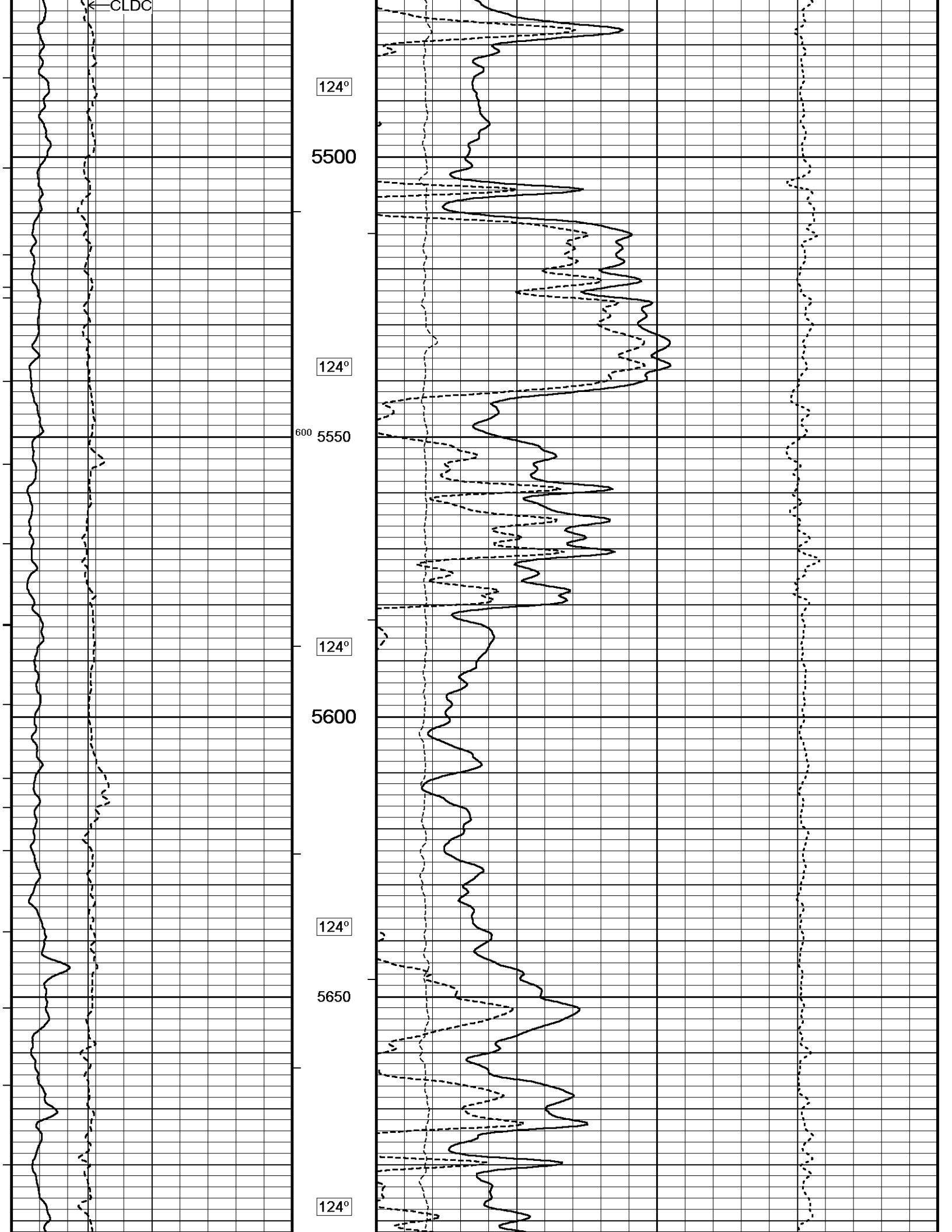


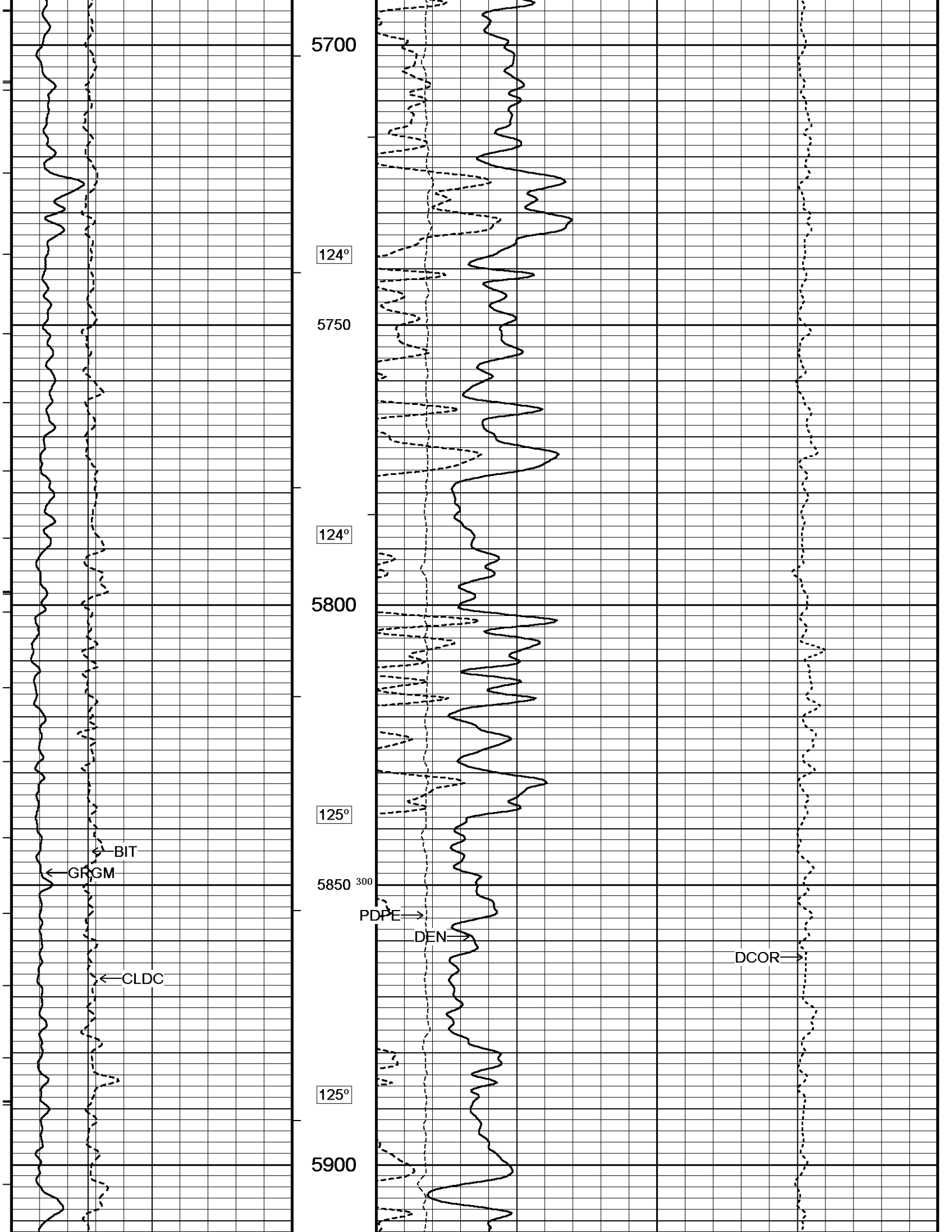


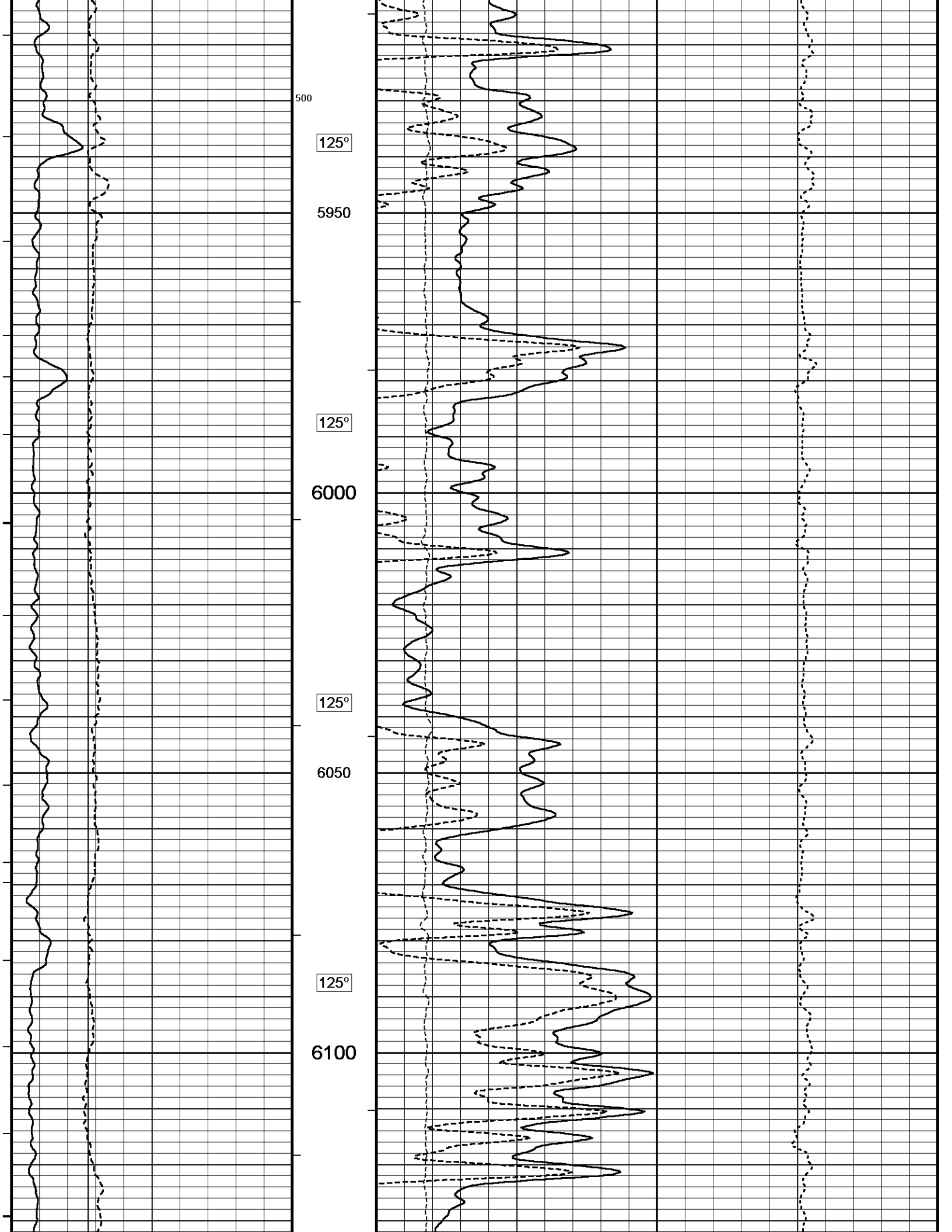


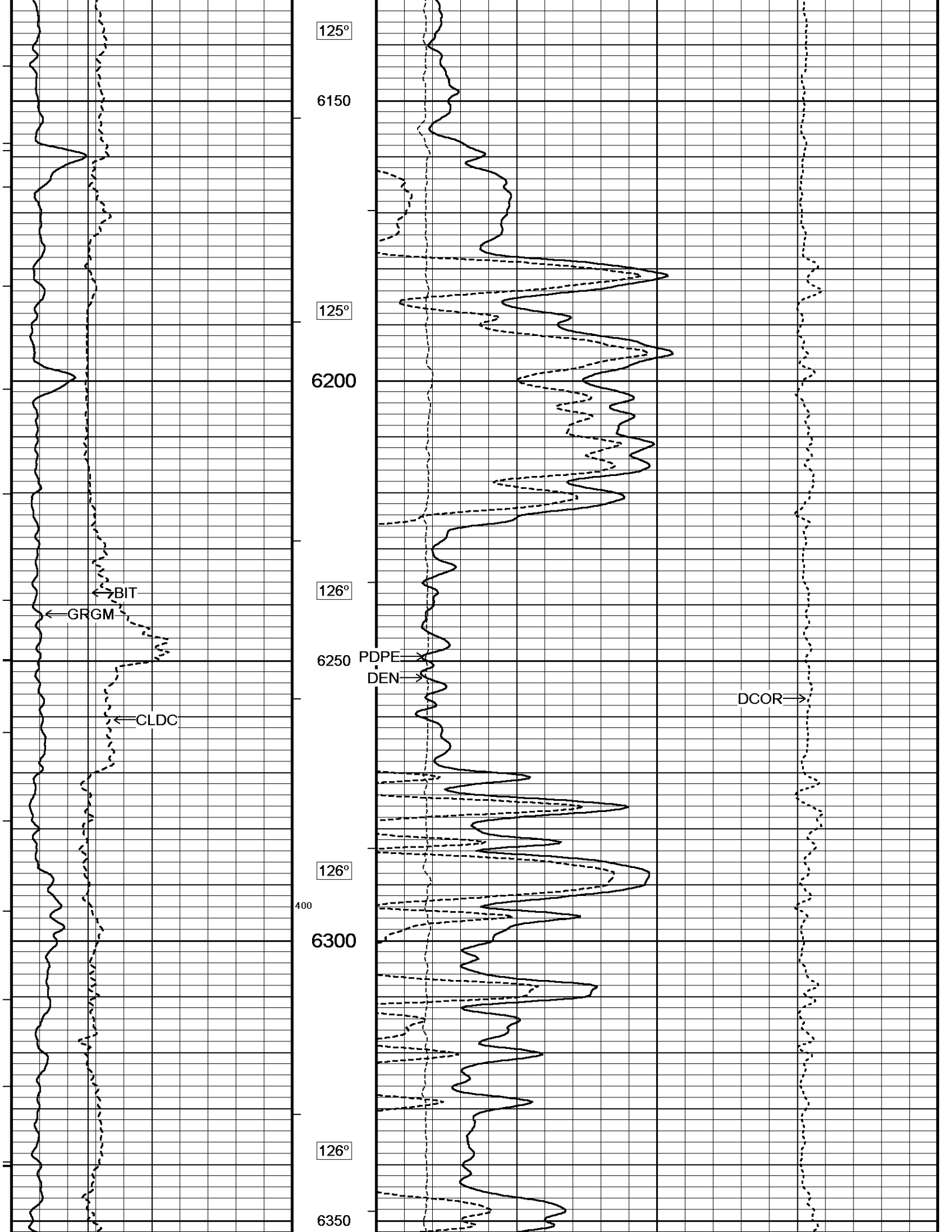


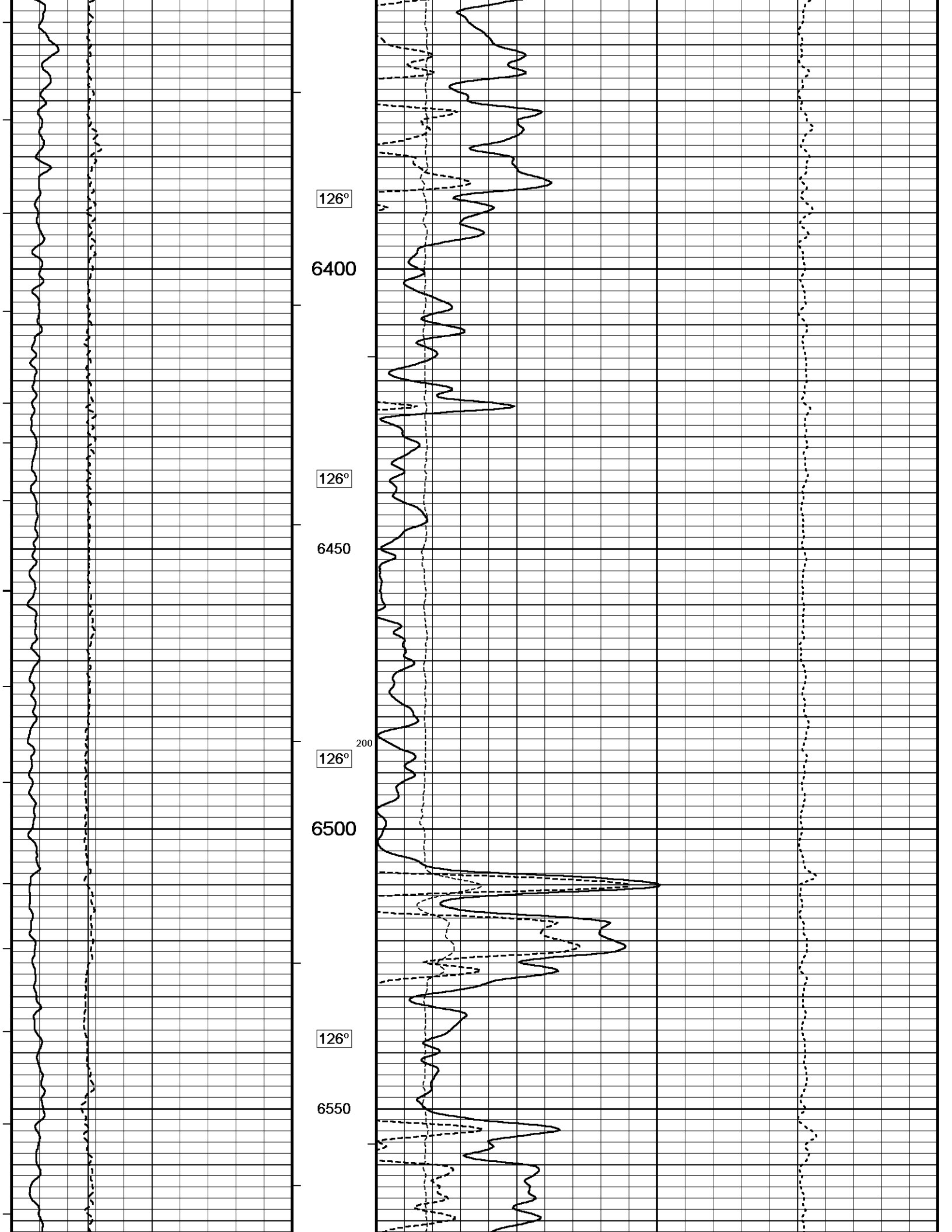


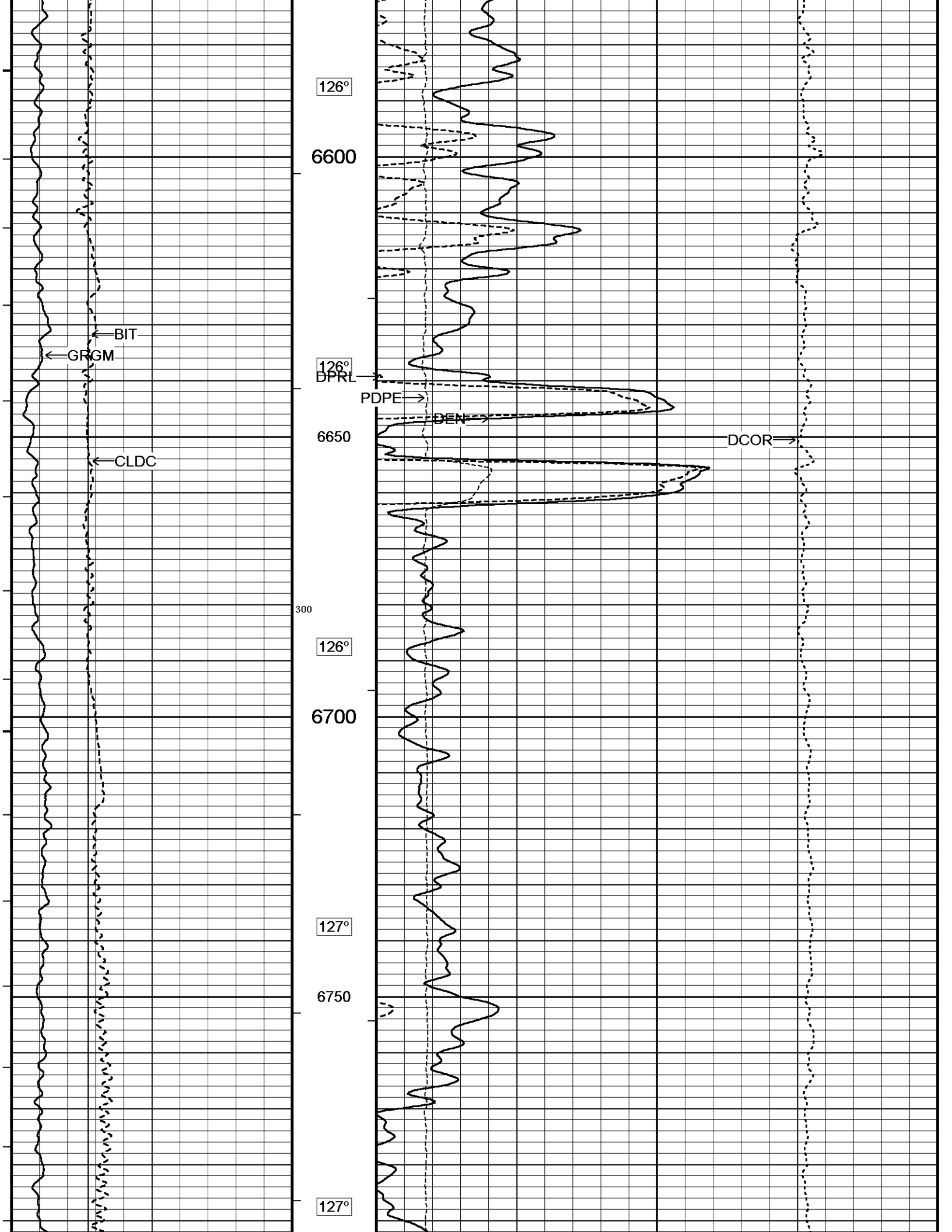


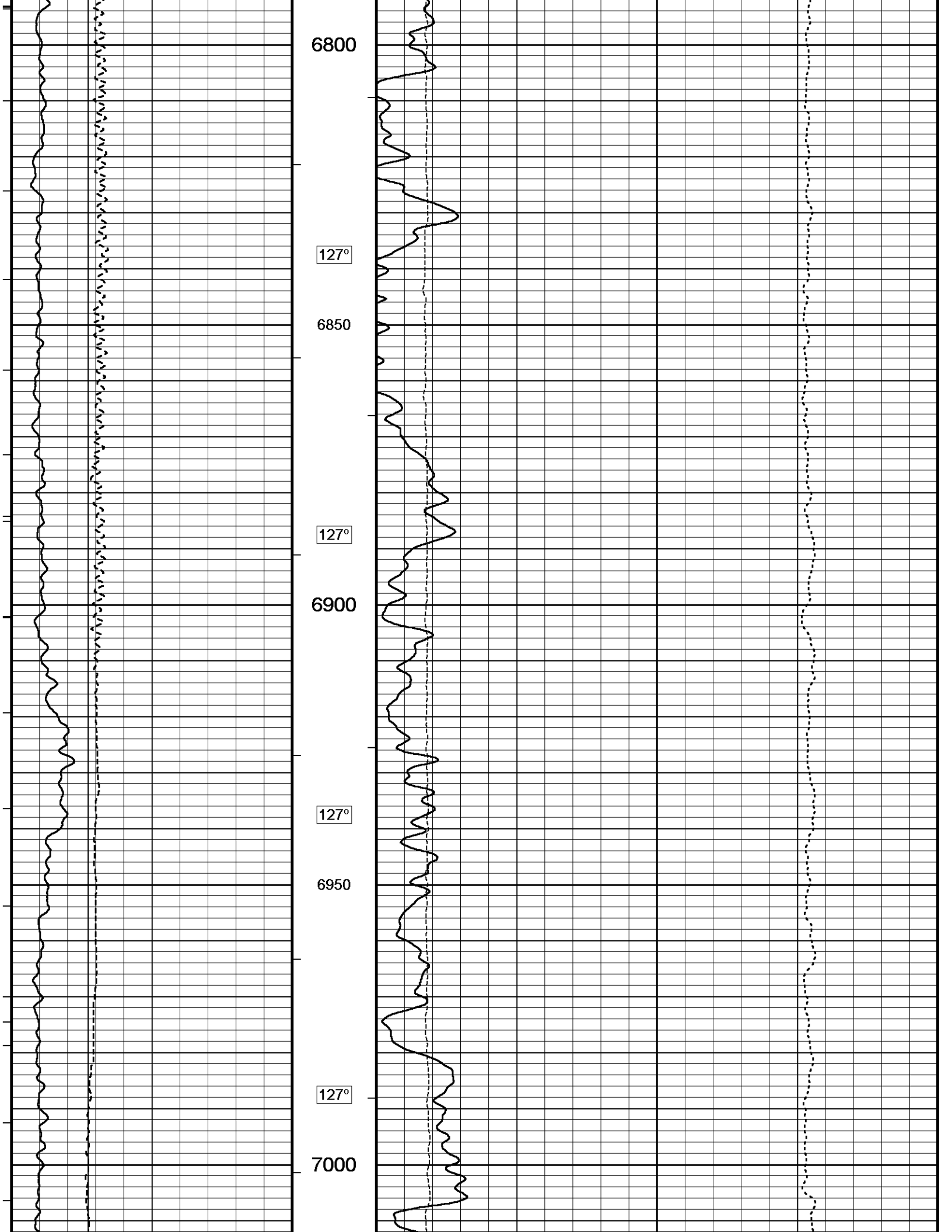


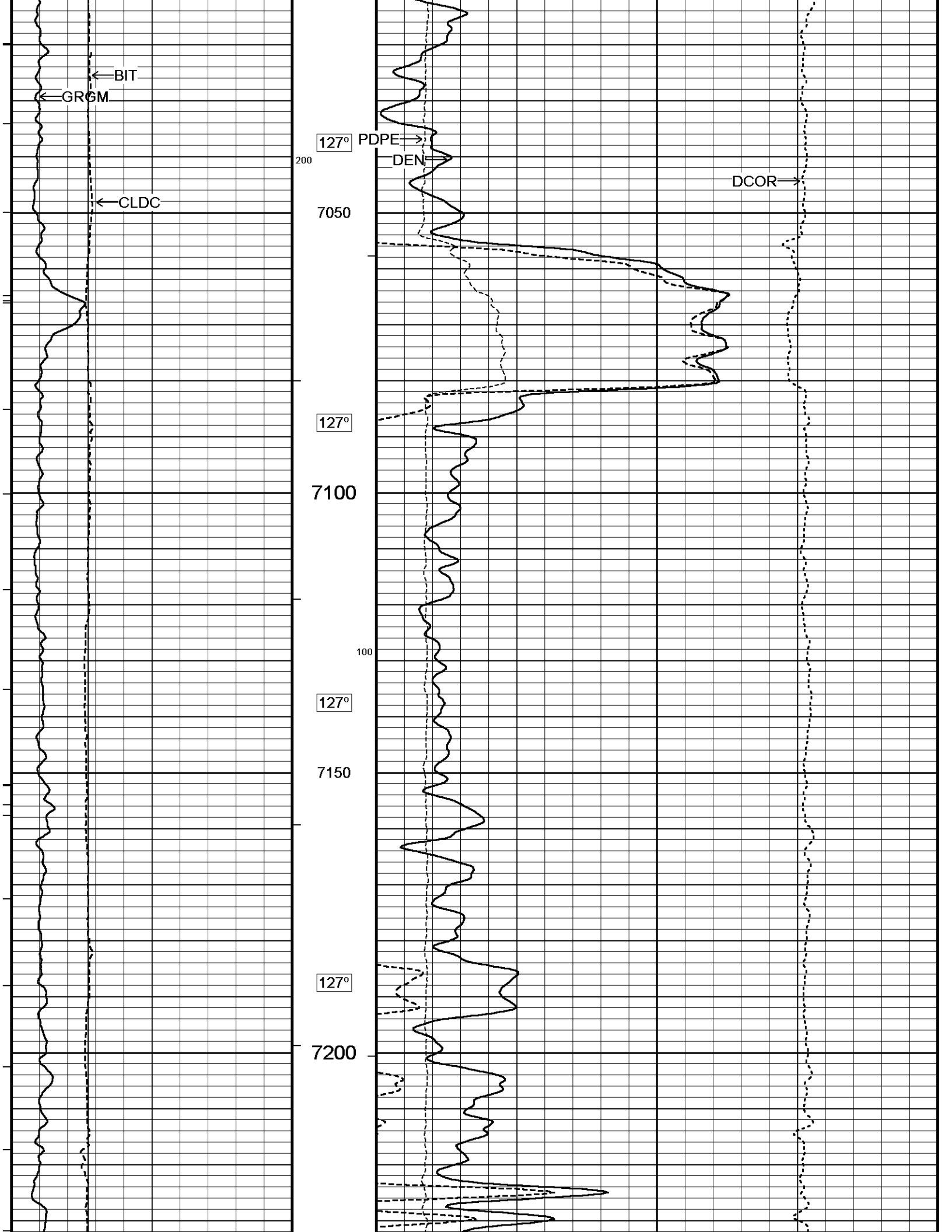


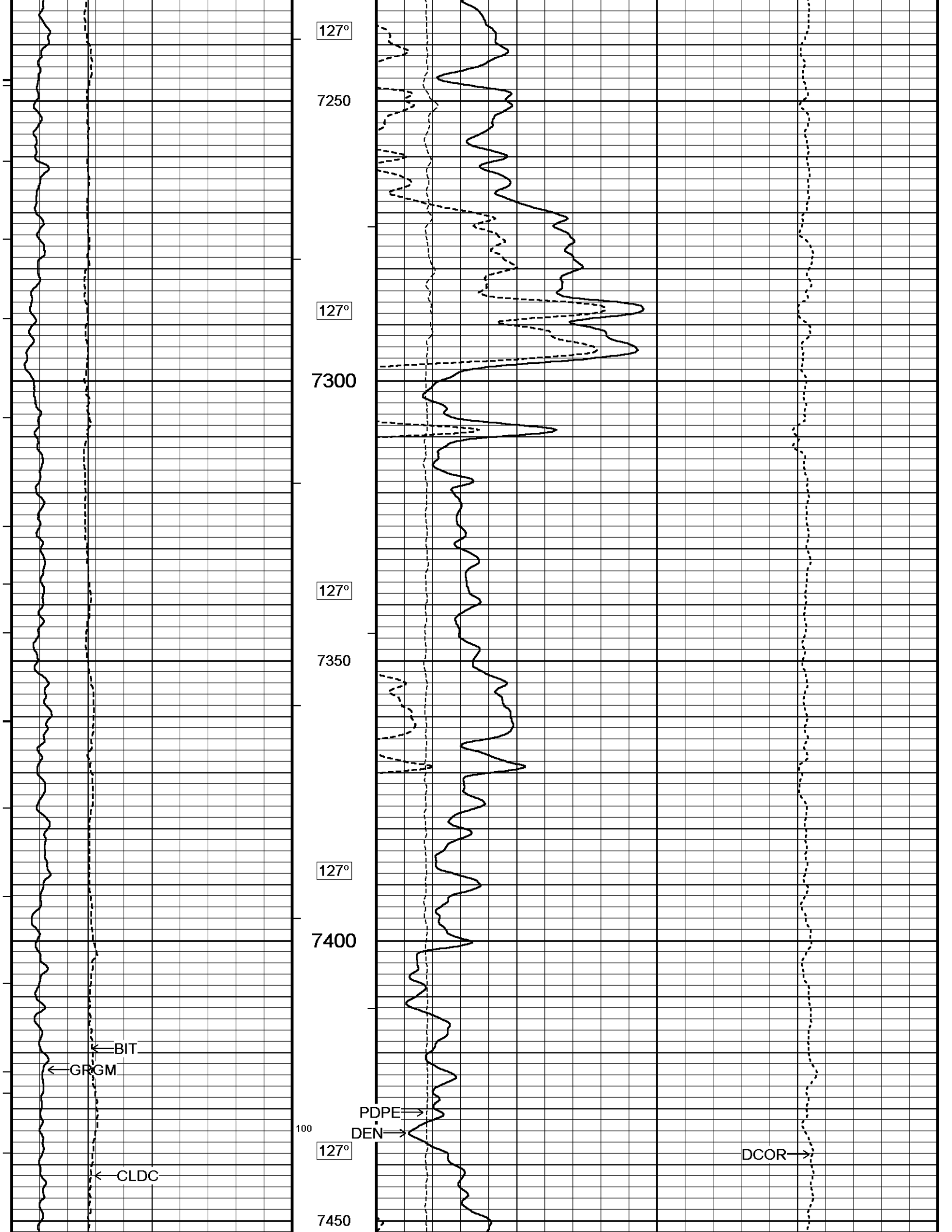


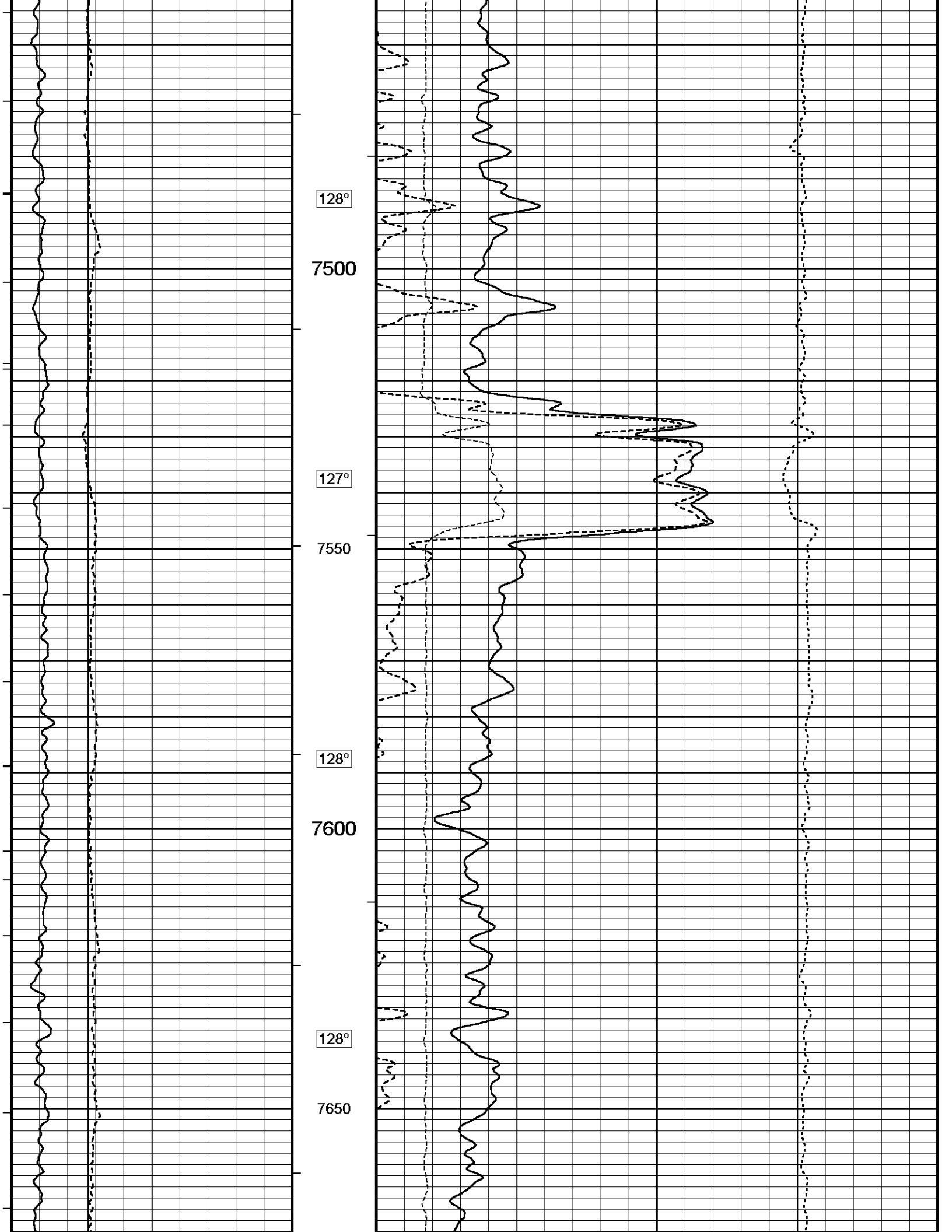


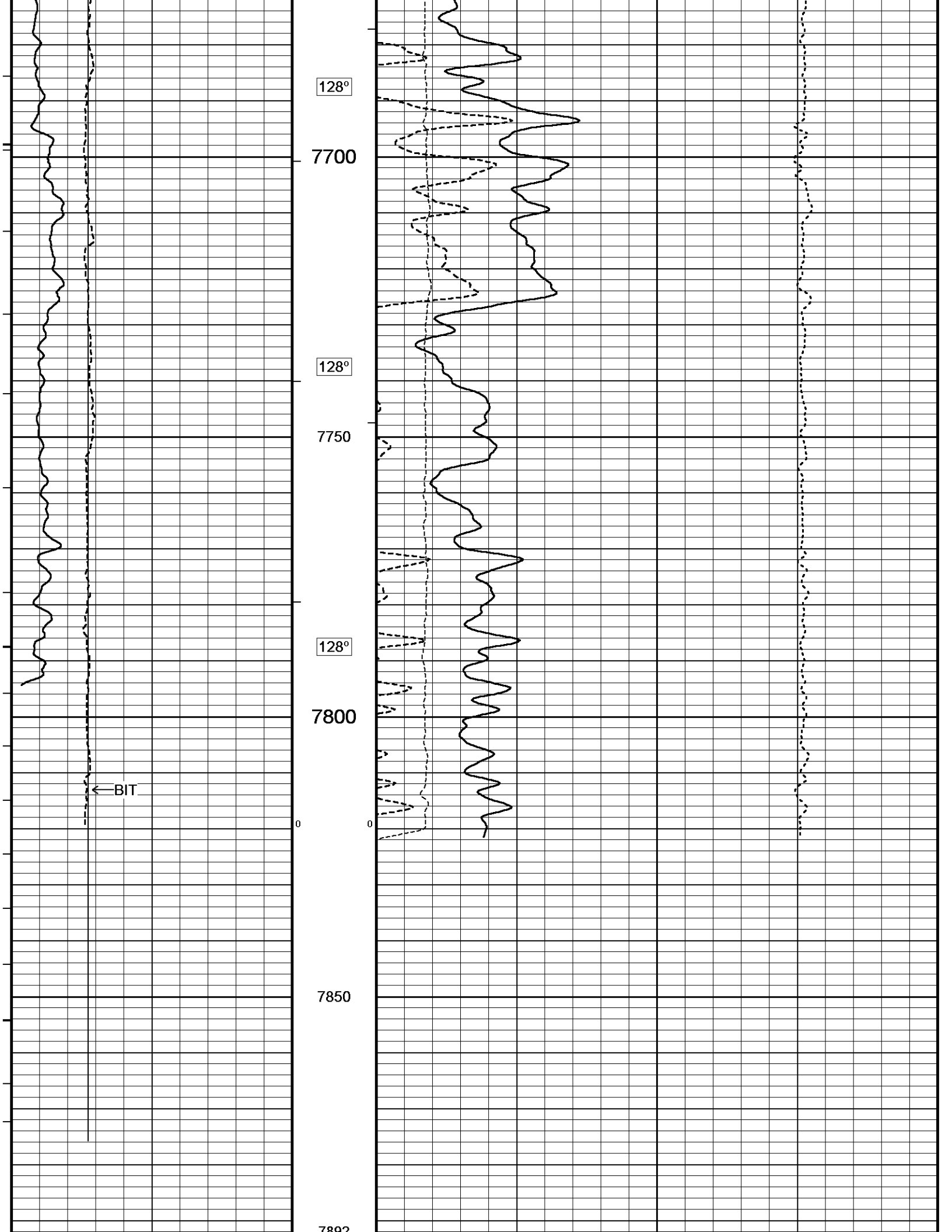


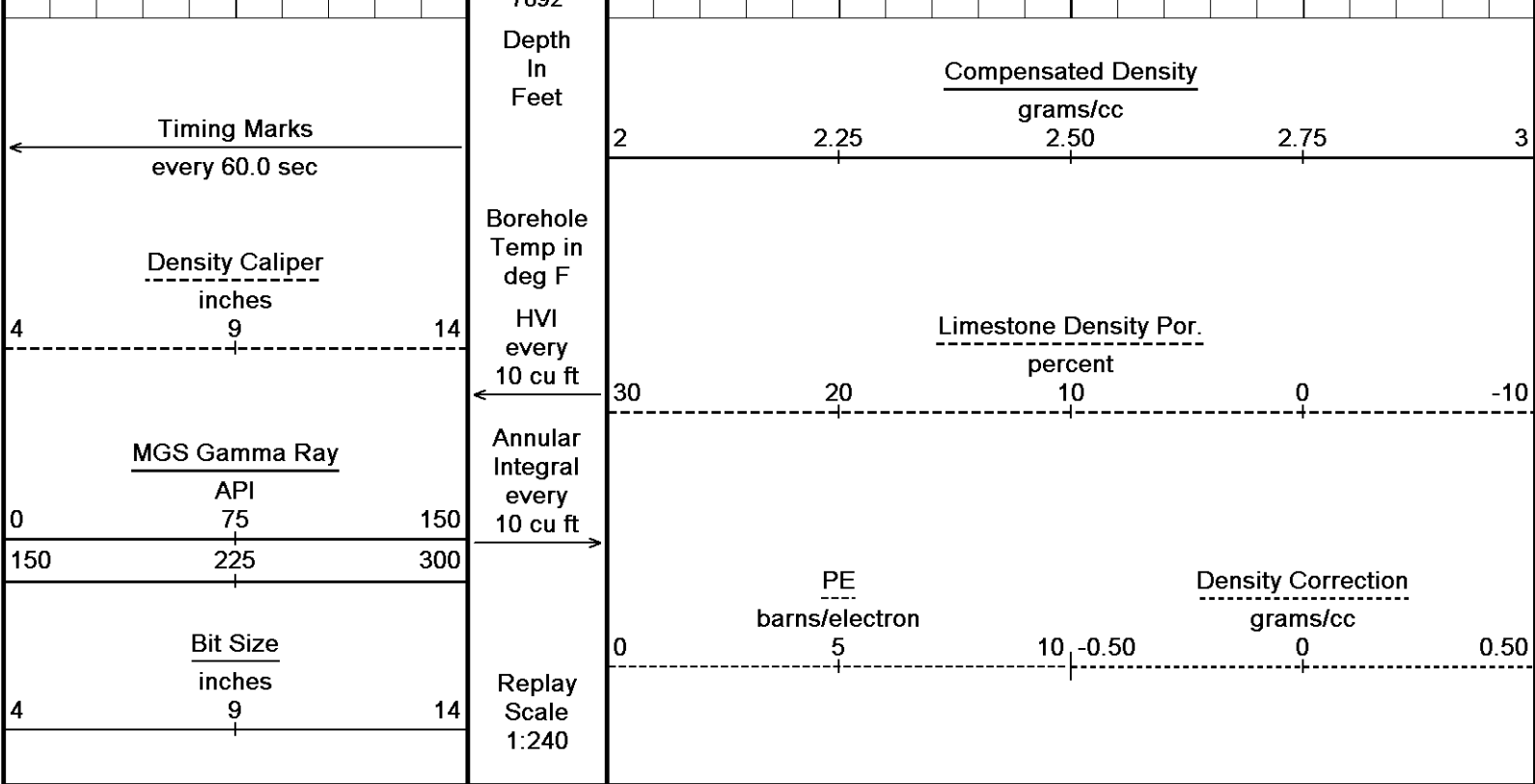












Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 22-JAN-2013 14:06
 Filename: C:\DATA_13_04_8492\SOURCE Source 9-41-3-11H\33366RTAP.dta
 Recorded on 22-JAN-2013 12:13
 System Versions: Processed with 13.04.8492 Plotted with 13.04.8492

↑ 5 INCH BULK DENSITY ↑

BEFORE SURVEY CALIBRATION
 C:\DATA_13_04_8492\SOURCE Source 9-41-3-11H\33366RTAP.dta

General Constants All 000 Last Edited on 22-JAN-2013,13:01

General Parameters
 Mud Resistivity 2.800 ohm-metres
 Mud Resistivity Temperature 61.000 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 None

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 133 Last Edited on 07-DEC-2012,11:16

Atmospheric Pressure 14.70 psi
 Serial Number 241946
 Calibration Date 09-JUL-08
 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.
0.0	0.069	0.073	0.062	0.063	0.042
3000.0	5.240	5.253	5.235	5.245	5.219
					5.228
					5.199
					5.209

6000.0	10.422	10.442	10.421	10.439	10.408	10.425	10.388	10.406
9000.0	15.616	15.637	15.619	15.638	15.609	15.627	15.593	15.610
12000.0	20.827	20.839	20.834	20.843	20.828	20.838	20.815	20.823
15000.0	26.051		26.060		26.056		26.046	

SP Calibration MGS-C.J 142

Field Calibration on 18-JAN-2013,11:54

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

High Resolution Temperature Calibration MGS-C.J 142

Field Calibration on 18-JAN-2013,11:54

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

High Resolution Temperature Constants MGS-C.J 142

Last Edited on 18-JAN-2013,11:54

Pre-filter Length 11

Gamma Calibration MGS-C.J 142

Field Calibration on 18-JAN-2013 12:14

	Measured	Calibrated (API)
Background	45	32
Calibrator (Gross)	1033	728
Calibrator (Net)	988	696

Gamma Constants MGS-C.J 142

Last Edited on 20-JAN-2013,05:20

Gamma Calibrator Number 036
Mud Density 1.02 gm/cc
Caliper Source for Processing Density Caliper
Tool Position Eccentred
Concentration of KCl 0.00 kppm

Neutron Calibration MDN-B.J 391

Base Calibration on 02-JAN-2013 14:51

Field Check on 18-JAN-2013 12:08

Base Calibration		Measured		Calibrated (cps)	
	Near	Far	Near	Far	
Ratio	3090	94	3714	110	
	32.975		33.764		
Field Calibrator at Base				Calibrated (cps)	
Ratio			2305	2968	
			0.777		
Field Check				Calibrated (cps)	
Ratio			2172	3286	
			0.702		

Neutron Constants MDN-B.J 391

Last Edited on 22-JAN-2013,12:59

Neutron Source Id N1055
Neutron Jig Number N639
Epithermal Neutron No
Caliper Source for Processing Density Caliper
Stand-off 0.00 inches
Mud Density 1.02 gm/cc
Limestone Sigma 7.10 cu
Sandstone Sigma 4.26 cu
Dolomite Sigma 4.70 cu
Formation Pressure Source None
Formation Pressure N/A 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-B.A 251

Date Of Last Accelerometer Calibration	24-APR-2012,13:39		
	X Accelerometer	Y Accelerometer	Z Accelerometer
Slope	-1.091702	-1.113310	-1.088555
Offset	-0.000215	-0.000676	-0.005994

Accelerometer Constants MIE-B.A 251

Last Edited on 01-NOV-2012,10:26

Accelerometer Calibrator Number	000			
Accelerometer Temperature Characterisation				
X Accelerometer				
Serial Number	976			
Calibration Date	20-Jan-2011			
	B0	B1	B2	B3
Bias(g)	0.00000e+000	1.72608e-009	1.72721e-008	-6.13859e-011
	SF0	SF1	SF2	SF3
Scale Factor(mA/g)	3.00000e+000	2.83857e-004	2.93851e-007	1.09539e-009
Y Accelerometer				
Serial Number	960			
Calibration Date	12-Dec-2010			
	B0	B1	B2	B3
Bias(g)	0.00000e+000	-6.40711e-006	-6.44857e-009	1.38169e-010
	SF0	SF1	SF2	SF3
Scale Factor(mA/g)	3.00000e+000	2.56312e-004	2.55563e-007	1.07139e-009
Z Accelerometer				
Serial Number	1000			
Calibration Date	10-Feb-2011			
	B0	B1	B2	B3
Bias(g)	0.00000e+000	1.67116e-005	-4.93763e-011	-1.12123e-010
	SF0	SF1	SF2	SF3
Scale Factor(mA/g)	3.00000e+000	2.94378e-004	2.69411e-007	1.29596e-009

Caliper Calibration MIE-B.A 251

Base Calibration on 01-NOV-2012 10:41
Field Calibration on 20-JAN-2013 05:17

Base Calibration					
Reading No	Pads 1-5 Meas.	Pads 3-7 Meas.	Calibrator Size (in)		
1	26649	26625	5.96		
2	36751	36963	7.98		
3	47001	46902	9.94		
4	57873	57685	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	25494	25699	26105	25337	5.96
2	33482	34167	35219	33869	7.98
3	41725	42674	44327	42918	9.94
4	51609	52555	53317	52045	11.90
5	0	0	0	0	0.00
Field Calibration					
	Measured	Measured	Actual		
	Pads 1-5 Caliper(in)	Pads 3-7 Caliper(in)	Caliper(in)		
	8.00	7.69	8.03		
	Measured	Measured	Measured	Measured	Actual
	Pad 2 Caliper(in)	Pad 4 Caliper(in)	Pad 6 Caliper(in)	Pad 8 Caliper(in)	Caliper(in)
	4.09	3.99	3.86	3.99	8.03

Caliper Constants MIE-B.A 251

Last Edited on 01-NOV-2012,10:26

Caliper Difference for BRKT	0.120	inches
-----------------------------	-------	--------

Magnetometer Parameters MIE-B.A 251

Date Of Last Magnetometer Calibration	14-MAY-2012,18:47		
	X Magnetometer	Y Magnetometer	Z Magnetometer
Slope	-1.000000	-1.002176	-0.997148
Offset	0.002005	-0.016205	0.000680

Magnetometer Constants MIE-B.A 251

Last Edited on

Magnetometer Calibrator Number 000

Navigation Constants MIE-B.A 251

Last Edited on 20-JAN-2013,04:23

Magnetic Declination 4.07 degrees East

Compact Micro Imager Constants MIE-B.A 251

Last Edited on

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

Field Calibration on 14-JAN-2013,12:49

	Measured	Calibrated(Deg F)
Lower	0.00	10.00
Upper	100.00	100.00

High Resolution Temperature Constants MAI-A.A 170

Last Edited on 14-JAN-2013,12:49

Pre-filter Length 11

Induction Calibration MAI-A.A 170

Base Calibration on 02-FEB-2012 17:42

Field Check on 20-JAN-2013 05:14

Base Calibration

Test Loop Calibration

Channel	Measured		Calibrated (mmho/m)	
	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			9.1	3751.1
2			29.0	3529.4
3			26.9	2997.1
4			18.2	2042.7
Deep			15.1	1905.2
Medium			40.6	3981.4
Shallow			44.9	5291.1

Array Temperature 33.8 Deg F

Induction Constants MAI-A.A 170

Last Edited on 22-JAN-2013,13:01

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.	MGS External Temperature
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	

Photo Density Calibration MPD-C.J 394

Base Calibration on 02-JAN-2013 13:20
Field Check on 20-JAN-2013 05:07

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	52312	25766	59869	31110
Reference 2	21569	2501	24557	2522

Field Check at Base
1066.7 1302.0

Field Check
1063.0 1303.4

PE Calibration

Base Calibration	WS	Measured		Calibrated
		WH	Ratio	Ratio
Background	192	947		
Reference 1	20819	52122	0.403	0.369
Reference 2	5899	21442	0.278	0.271

Field Check at Base
192.4 946.7

Field Check
190.2 944.6

Density Constants MPD-C.J 394

Last Edited on 20-JAN-2013,18:20

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	1.02	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

Caliper Calibration MPD-C.J 394

Base Calibration on 02-JAN-2013 13:28
 Field Calibration on 20-JAN-2013 05:10

Base Calibration		
Reading No	Measured	Calibrator Size (in)
1	16928	4.02
2	25088	6.00
3	33568	8.03
4	41376	10.02
5	50656	12.01
6	N/A	N/A

Field Calibration		
	Measured Caliper (in)	Actual Caliper (in)
	6.00	6.00

DOWNHOLE EQUIPMENT

C:\DATA_13_04_8492\SOURCE Source 9-41-3-11H\33366RTAP.dta

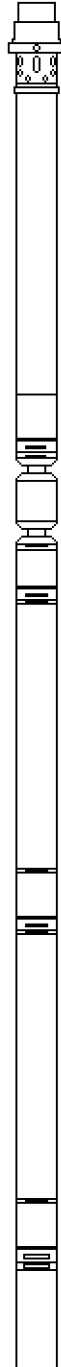
Shuttle Running Tool 3.5")
 SRT-A.A 69 LG: 6.62 ft WT: 37.5 lb OD: 2.52 in

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 117 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

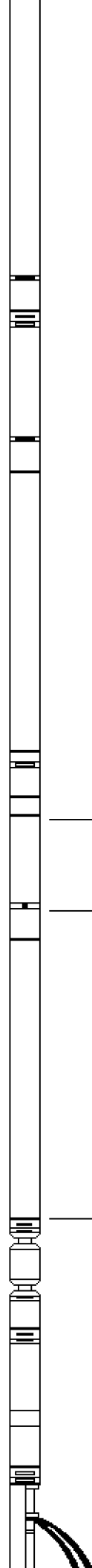
Compact Short Gamma
MGS-C.J 142 LG: 3.41 ft WT: 24.3 lb OD: 2.24 in

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



83.57 ft GRGM - MGS Gamma Ray

81.59 ft GSXT - MGS External Temperature

79.57 ft GCSL - MCL C. Collar Locator

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

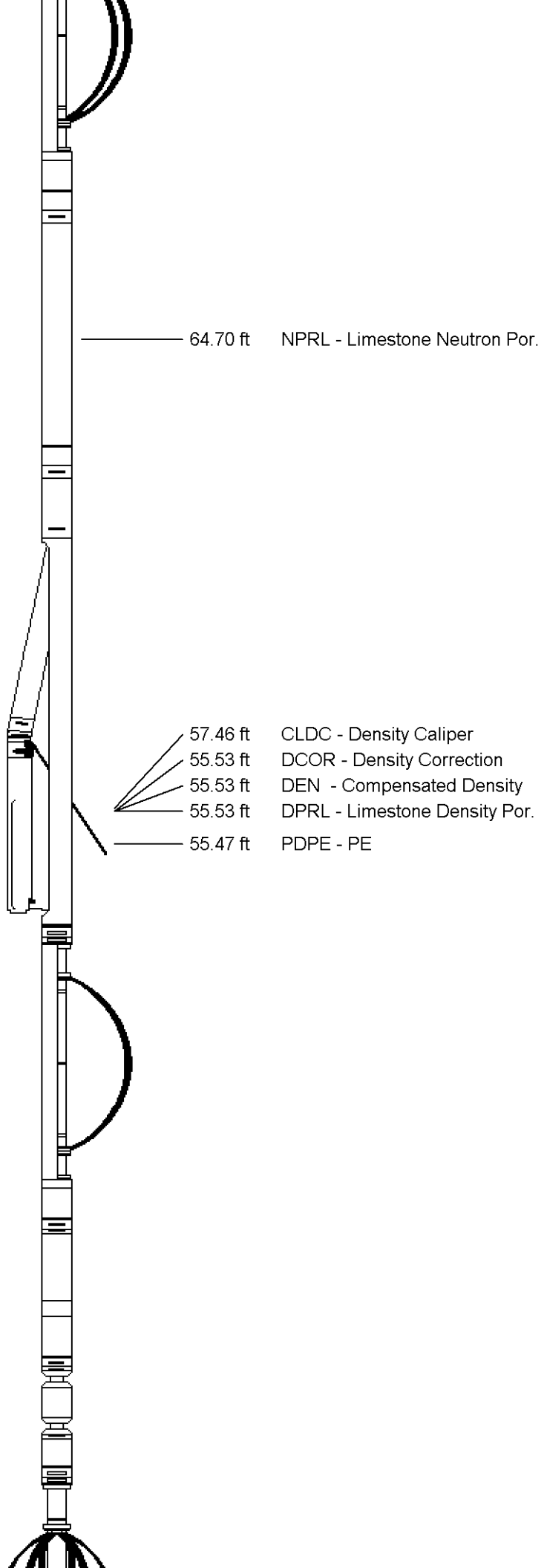
Compact Density/Caliper
MPD-C.J 394 LG: 9.59 ft WT: 90.4 lb OD: 2.24 in

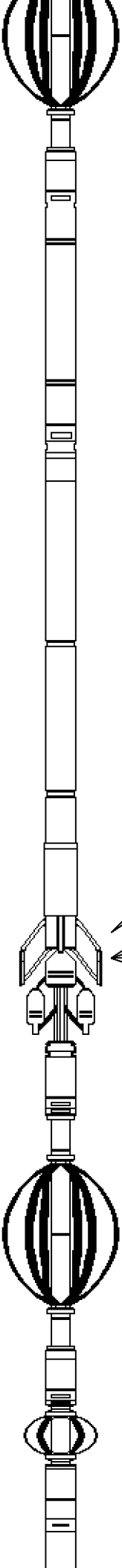
MIS-D.B Compact Inline Bowspring sub
MIS-D.B 607 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in

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 707 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in





Compact MMI Memory Section
MIM-A.A 209 LG: 4.65 ft WT: 26.5 lb OD: 2.24 in

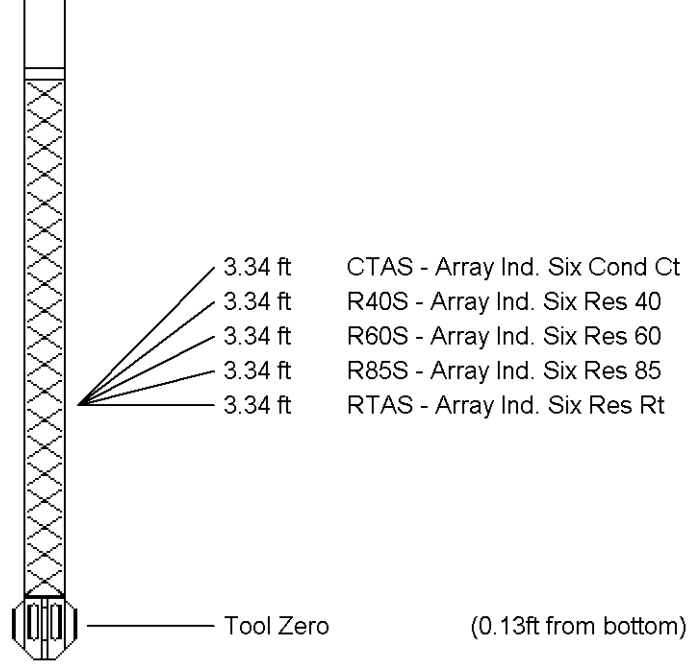
Compact MMI Electrode Section
MIE-B.A 251 LG: 13.96 ft WT: 99.2 lb OD: 4.09 in

- 20.89 ft IECX - MIE Caliper X
- 20.89 ft IECY - MIE Caliper Y
- 20.37 ft IEC2 - MIE Caliper 2
- 20.37 ft IEC6 - MIE Caliper 6
- 20.37 ft IEC8 - MIE Caliper 8
- 20.37 ft IEC4 - MIE Caliper 4

MIS-A.A Compact Inline Bowspring sub
MIS-A.A 160 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
MAL-A.A 170 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in



Total Length: 145.53 ft Weight: 903.9 lb

All measurements relative to tool zero.

COMPANY	SOURCE ENERGY MIDCON LLC				
WELL	SOURCE 9-41-3-11H				
FIELD	WILDCAT				
PROVINCE/COUNTY	SUMNER				
COUNTRY/STATE	USA / KANSAS				
Elevation Kelly Bushing	1226.00	feet	First Reading	7814.00	feet
Elevation Drill Floor	1224.00	feet	Depth Driller	7907.00	feet
Elevation Ground Level	1208.00	feet	Depth Logger	7907.00	feet
	CML MESSENGER SHUTTLE COMPACT PHOTO DENSITY COMPENSATED NEUTRON LOG				