



Weatherford

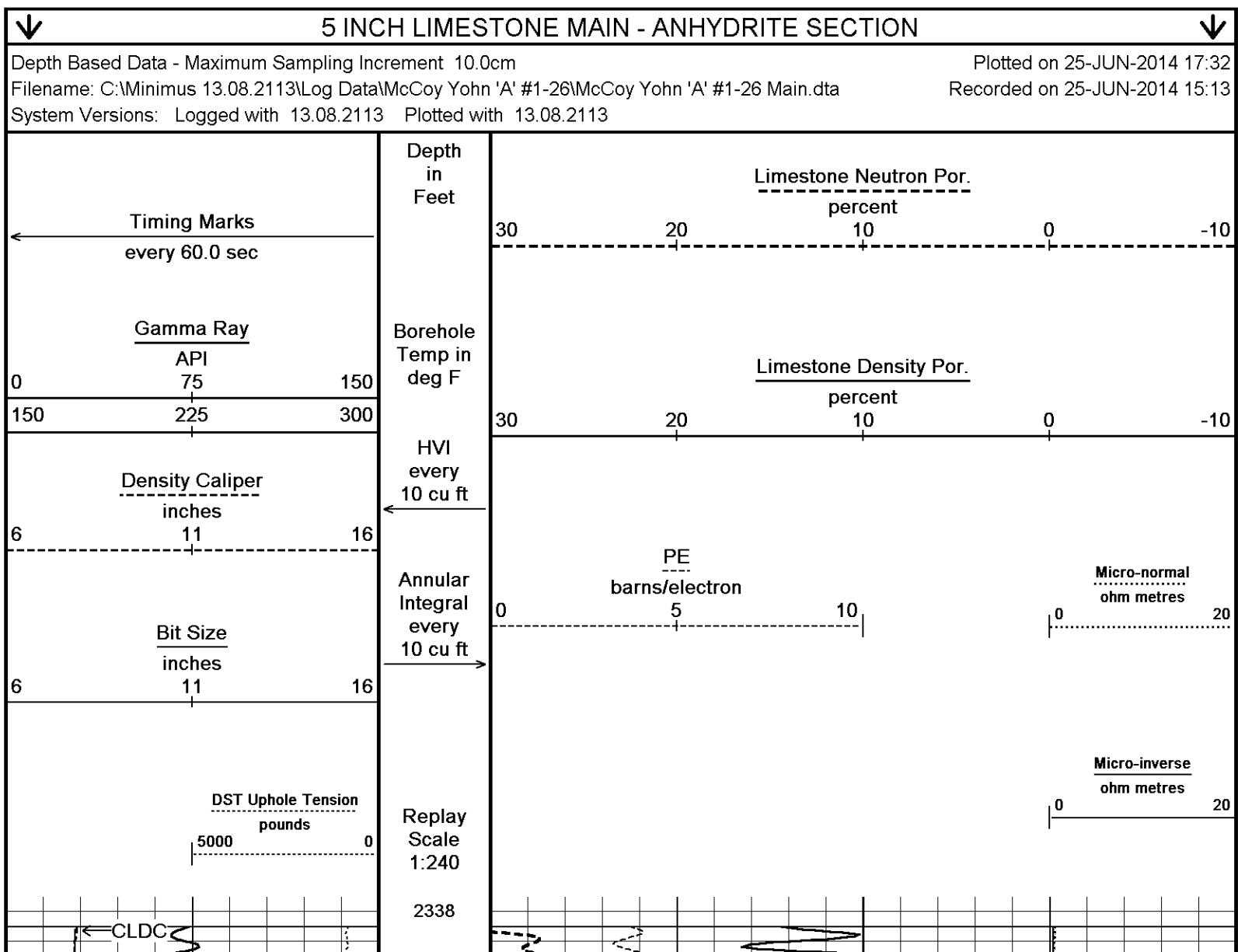
**COMPACT PHOTO DENSITY
COMPENSATED NEUTRON
MICRORESISTIVITY LOG**

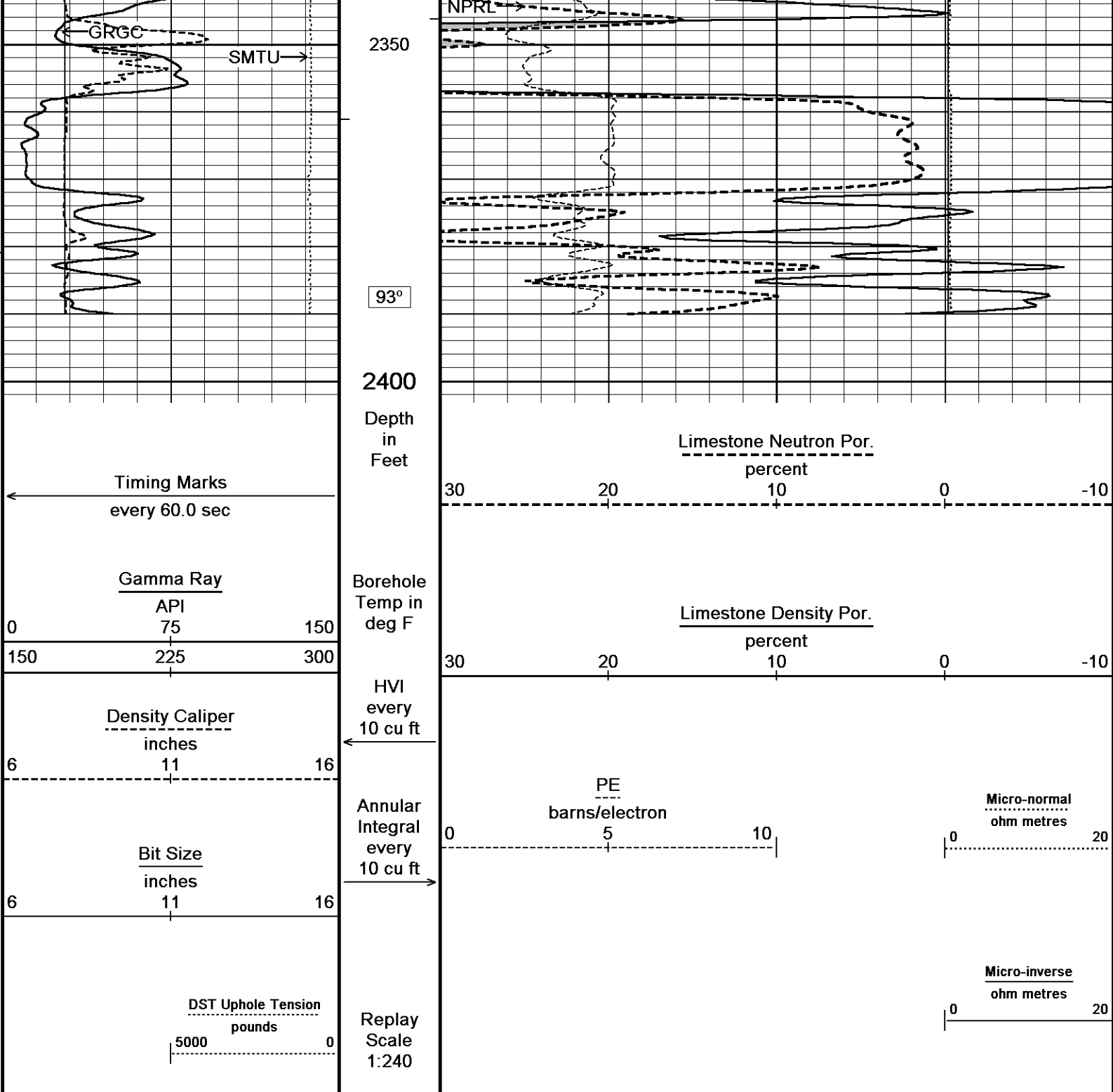
COMPANY			MCCOY PETROLEUM CORPORATION		
WELL			YOHN 'A' #1-26		
FIELD			ALFORD SOUTH		
PROVINCE/COUNTY			KIOWA		
COUNTRY/STATE			U.S.A. / KANSAS		
LOCATION			330' FNL & 660' FWL		
SEC 26	TWP 30S	RGE 19W	Other Services		
Latitude			MAI/MFE		
Longitude					
API Number			15-097-21794		
Permanent Datum GL, Elevation 2220 feet					
Log Measured From KB					
Drilling Measured From KB @ 13 FEET					
Date	25-JUN-2014				Elevations: KB 2233.00 DF 2231.00 GL 2220.00
Run Number	ONE				
Service Order	7606-90896255				
Depth Driller	5200.00		feet		
Depth Logger	5198.00		feet		
First Reading	5178.65		feet		
Last Reading	3900.00		feet		
Casing Driller	621.00		feet		
Casing Logger	623.00		feet		
Bit Size	7.875		inches		
Hole Fluid Type	CHEMICAL				
Density / Viscosity	9.45 lb/USg		54.00 CP		
PH / Fluid Loss	9.50		12.80 ml/30Min		
Sample Source	MUD PIT				
Rm @ Measured Temp	0.66 @ 75.0		ohm-m		
Rmf @ Measured Temp	0.53 @ 75.0		ohm-m		
Rmc @ Measured Temp	0.79 @ 75.0		ohm-m		
Source Rmf / Rmc	CALC		CALC		
Rm @ BHT	0.45 @ 113.0		ohm-m		
Time Since Circulation	3 HOURS				
Max Recorded Temp	113.00		deg F		
Equipment / Base	13096		LIB		
Recorded By	BEN WELDIN				
Witnessed By	ZACK WIELE		DEREK CARTER		
JOB #	LB14-190				

BOREHOLE RECORD					Last Edited: 25-JUN-2014 14:08
Bit Size inches		Depth From feet		Depth To feet	
12.250		0.00		621.00	
7.875		621.00		5200.00	
CASING RECORD					
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft	
SURFACE	8.625	0.00	621.00	24.00	

REMARKS
- SOFTWARE ISSUE: WLS 13.08.2113
- TOOL STRING: MCG, MML, MDN, MPD, MFE, MAI RUN IN COMBINATION
- HARDWARE: MDN: DUAL BOWSPRING ECCENTRALIZER MFE: 1 X 0.5 INCH STANDOFF MAI: 2 X 0.5 INCH STANDOFF
- 2.71 G/CC LIMESTONE DENSITY MATRIX USED TO CALCULATE POROSITY
- BOREHOLE RUGOSITY, TIGHT PULLS, AND WASHOUTS WILL AFFECT DATA QUALITY
- ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST
- TOTAL HOLE VOLUME FROM TD TO SURFACE CASING: 2010 CU. FT.

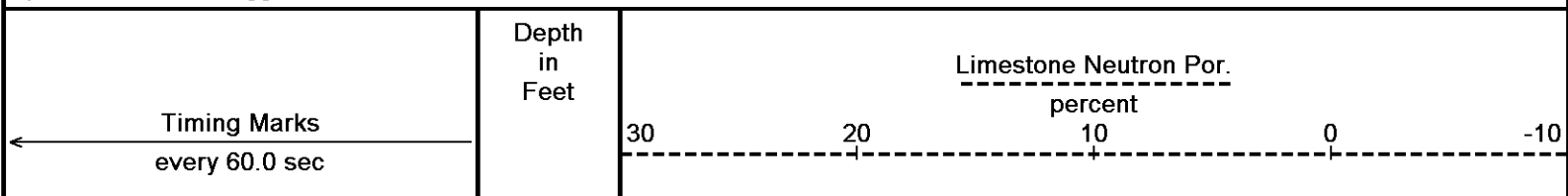
- LOST TENSION WHILE RUNNING IN HOLE AT 2160' ON LEDGE. PULLED BACK UP AND WORKED PAST WITH NO OTHER PROBLEMS

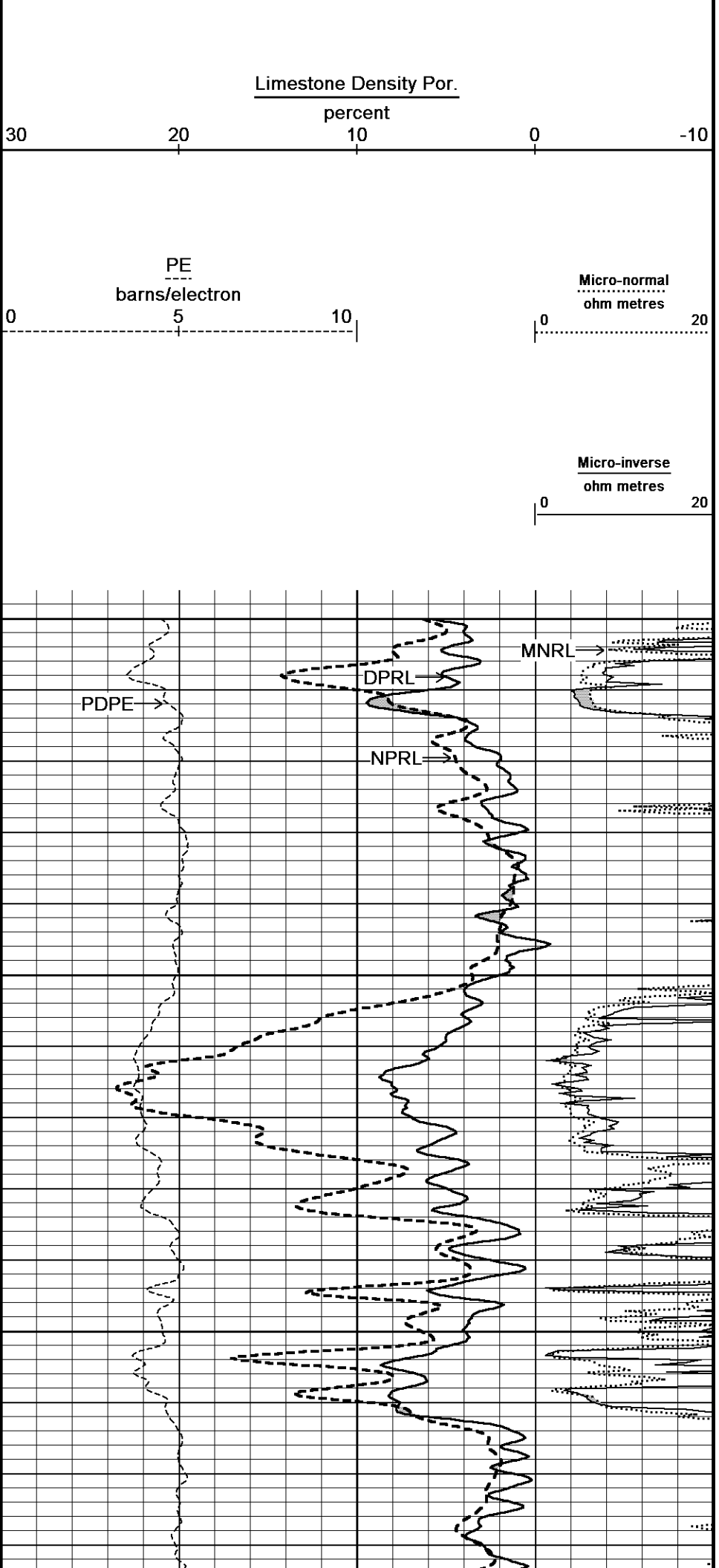
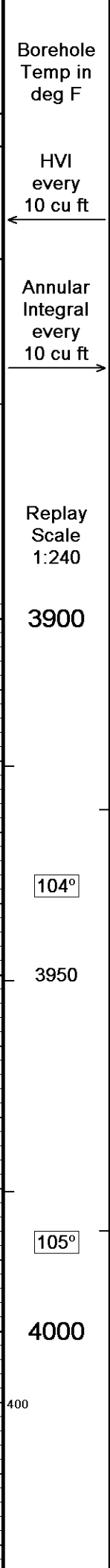
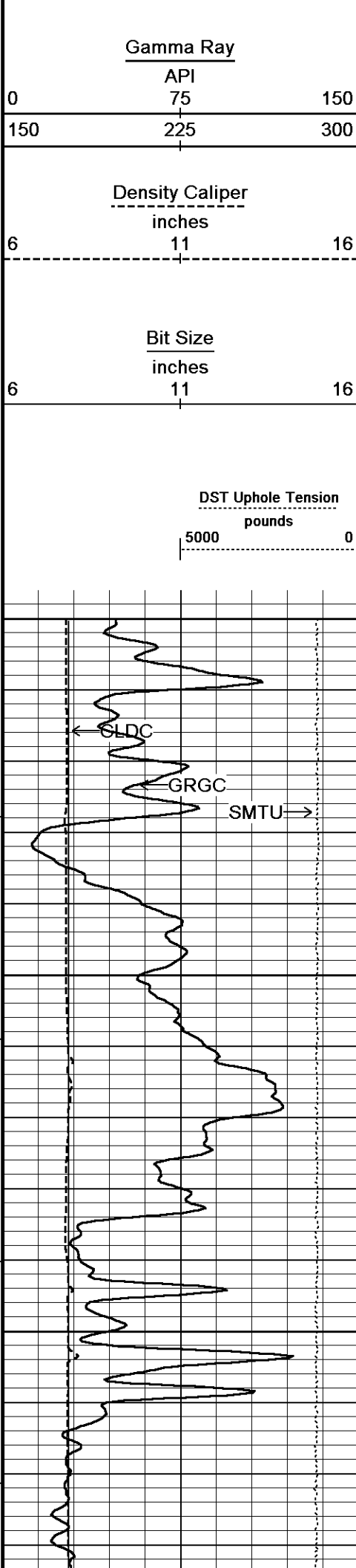


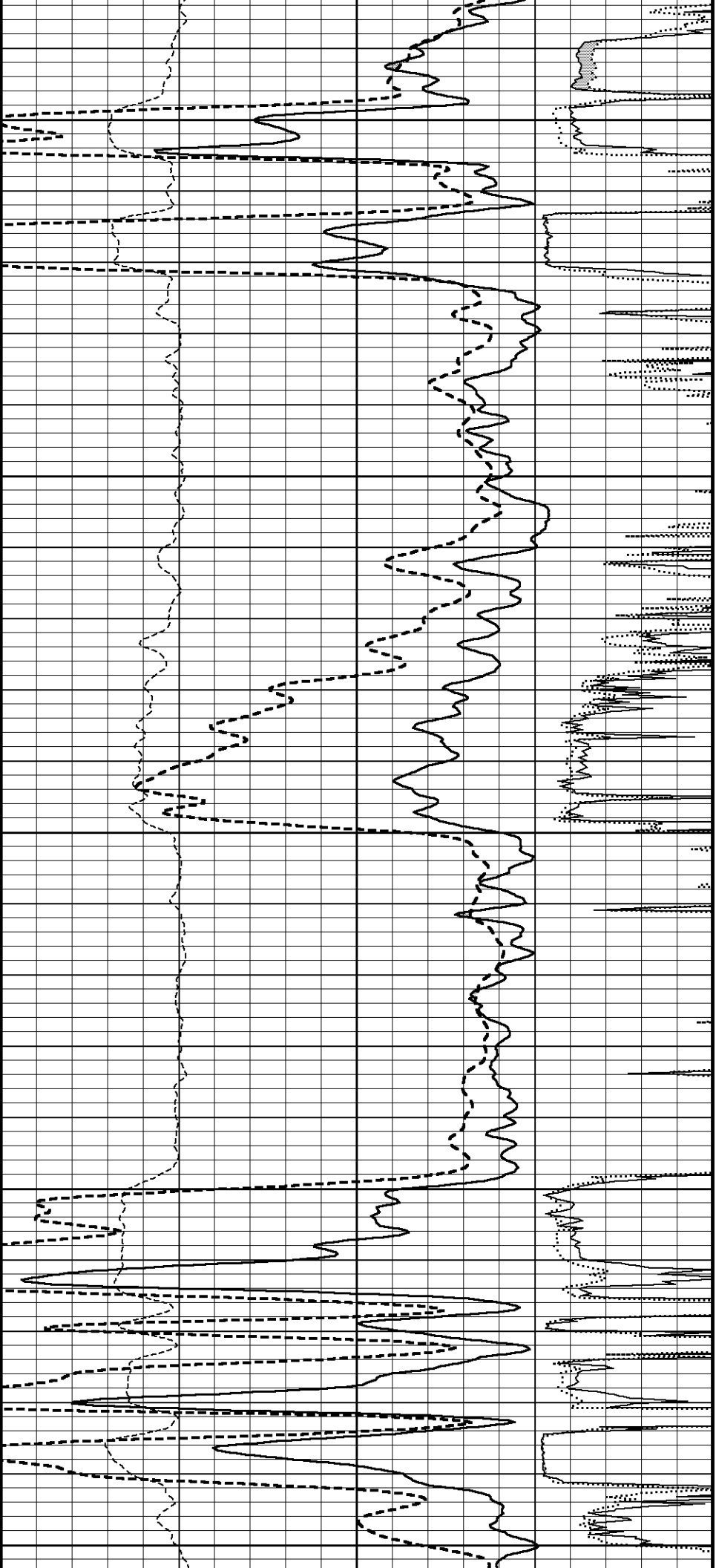
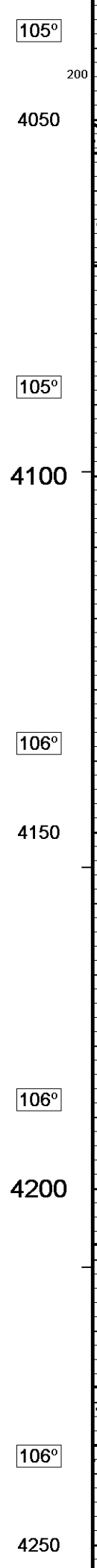
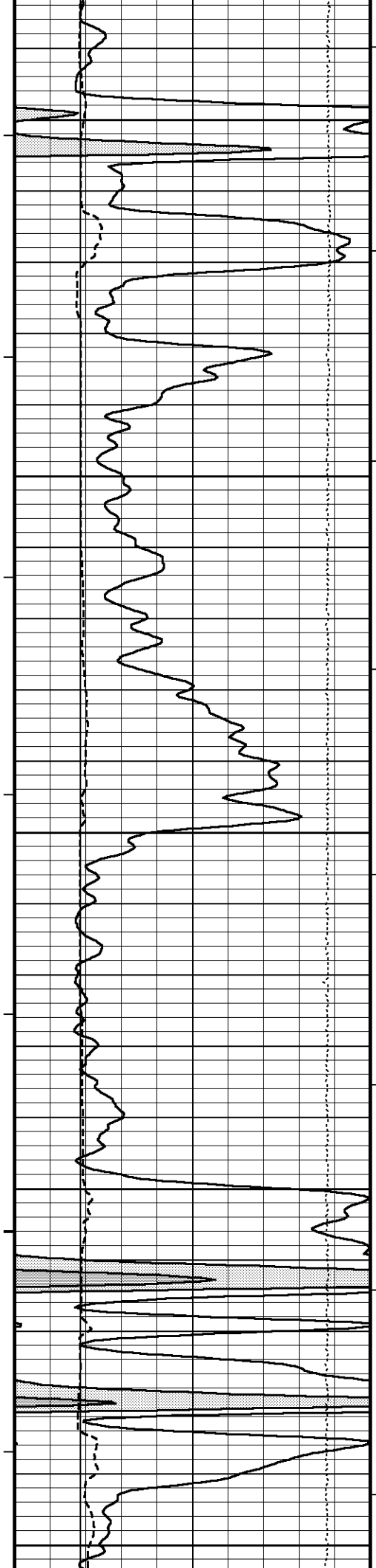


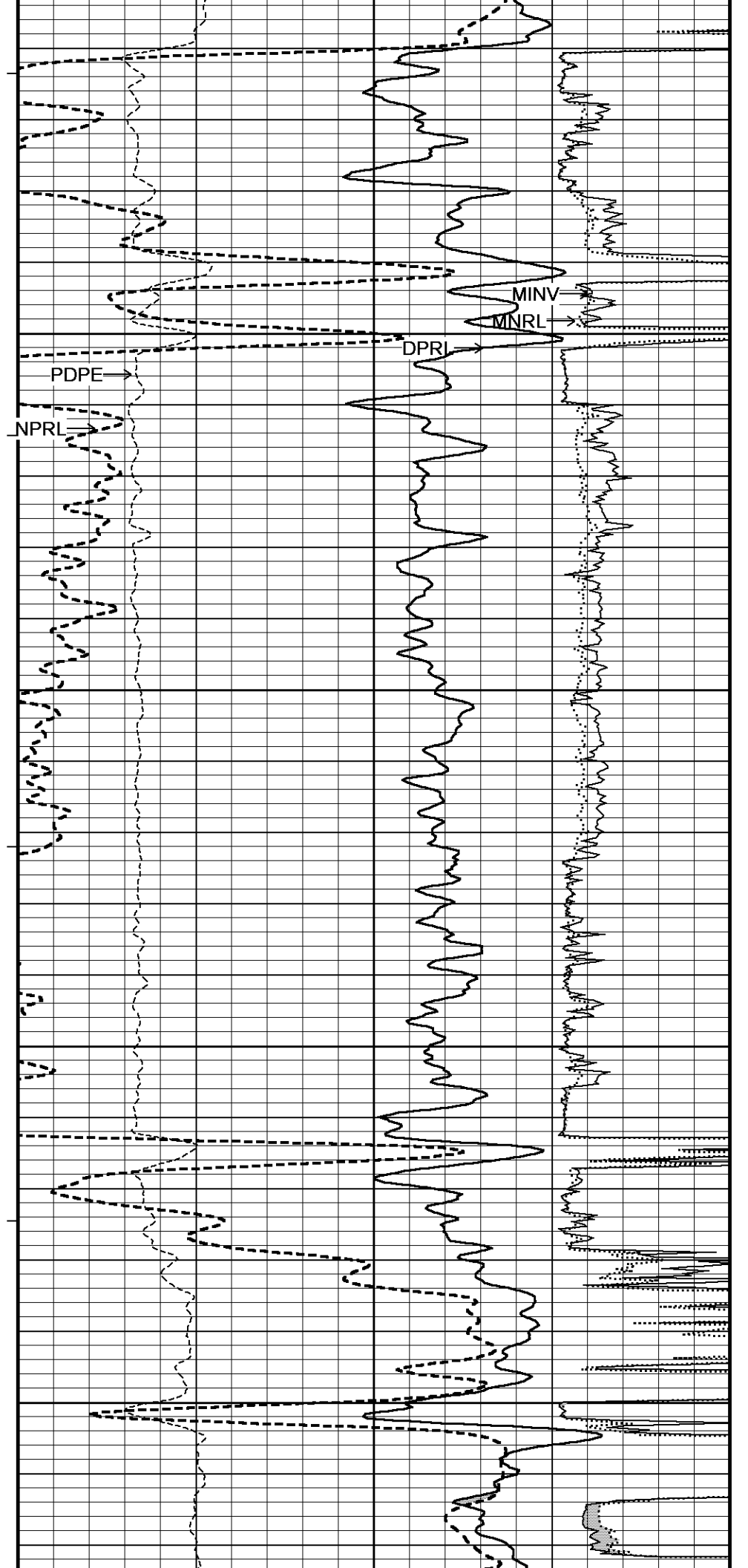
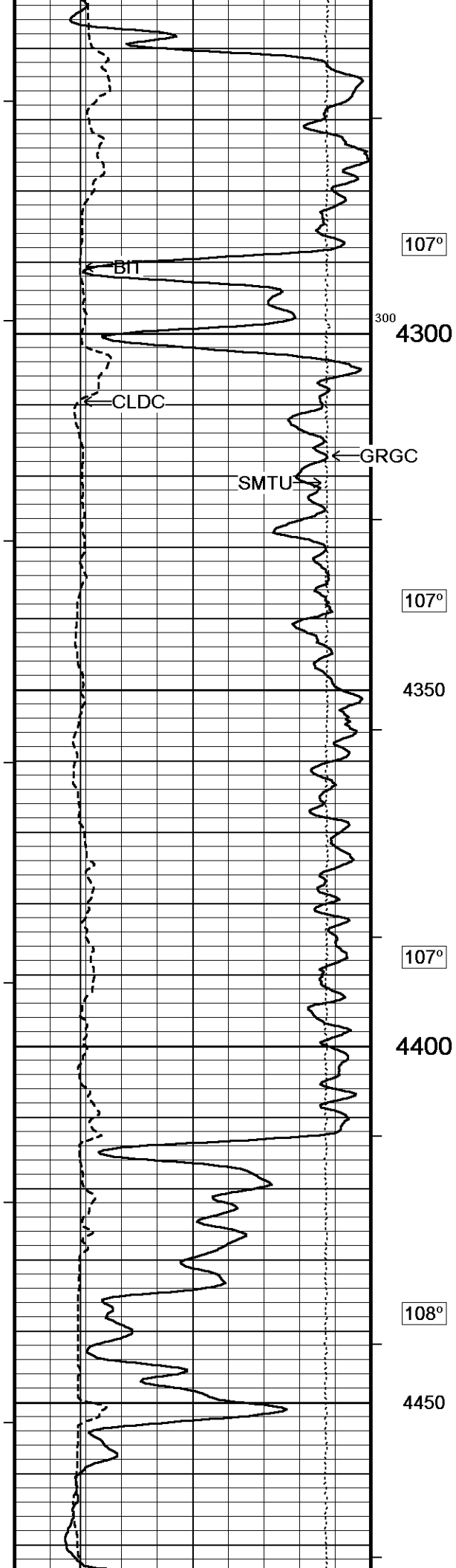
5 INCH LIMESTONE MAIN - ANHYDRITE SECTION

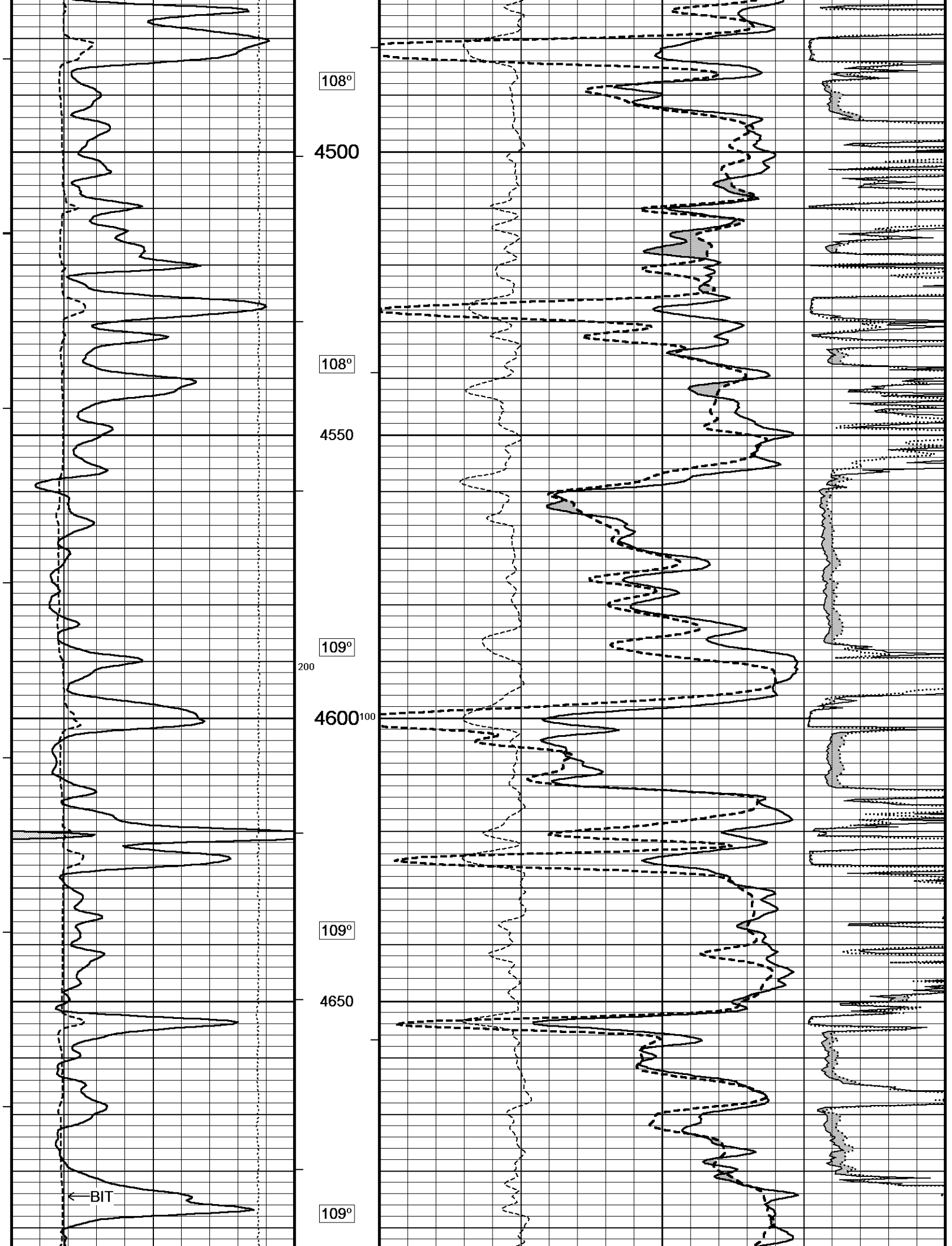
5 INCH LIMESTONE MAIN

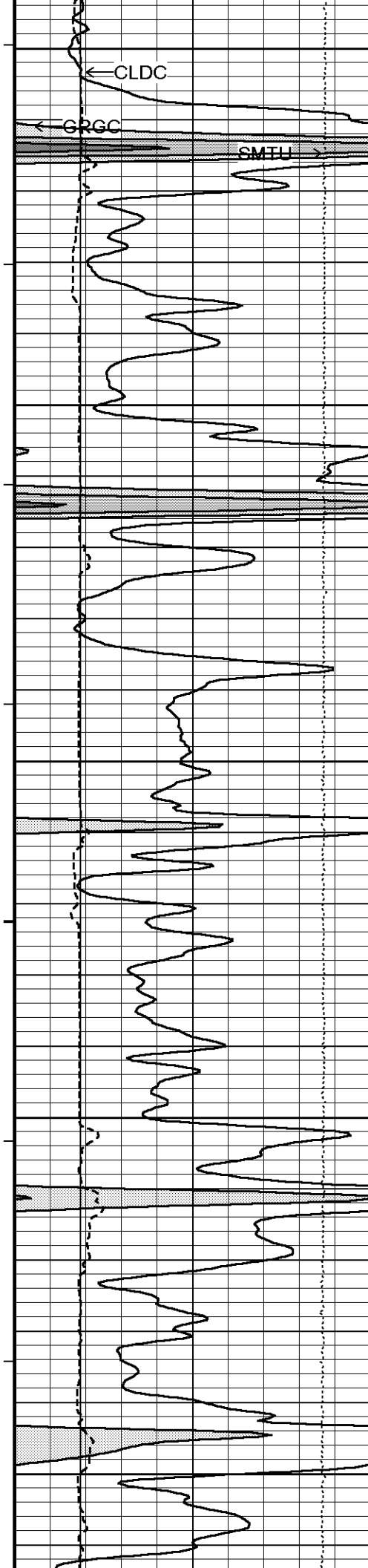




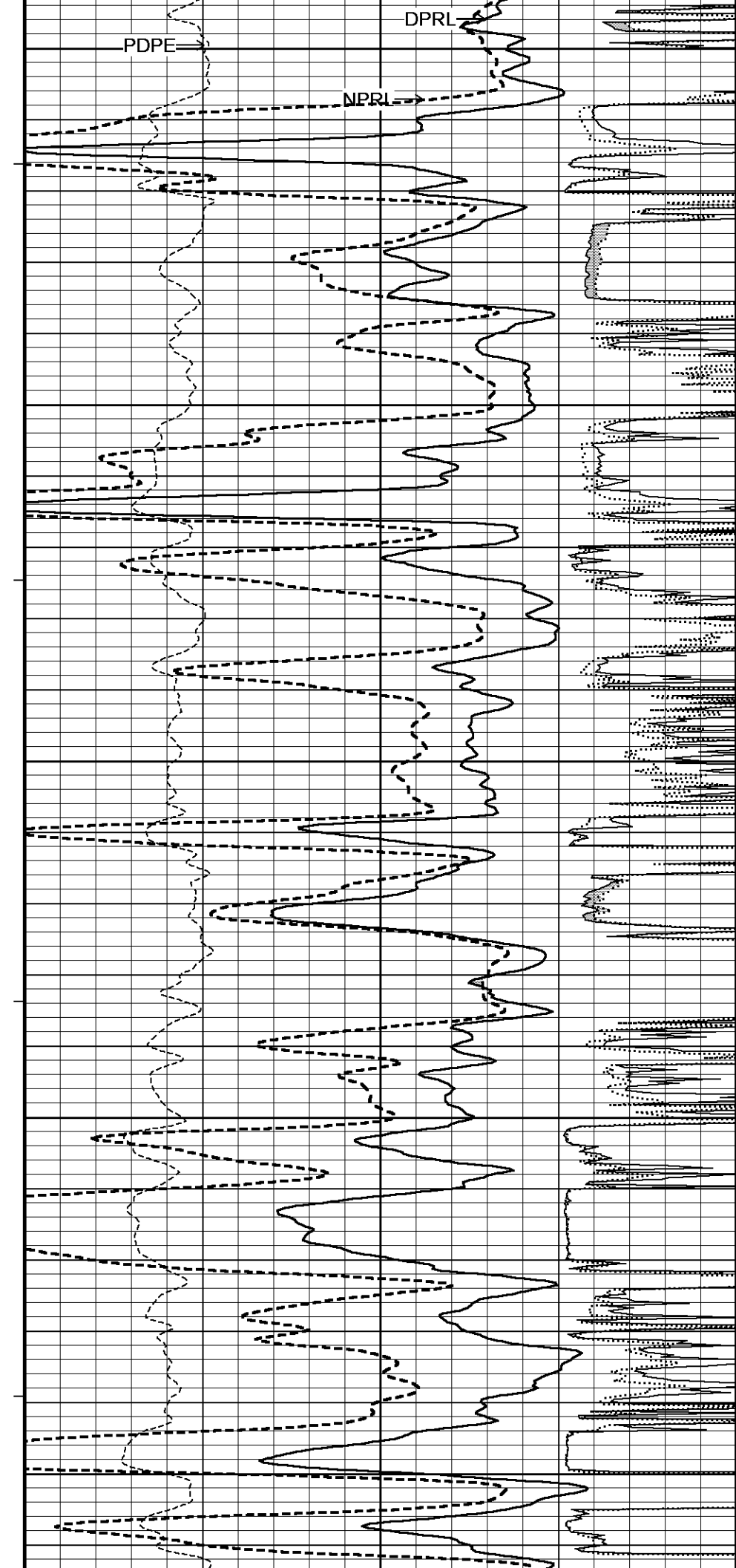


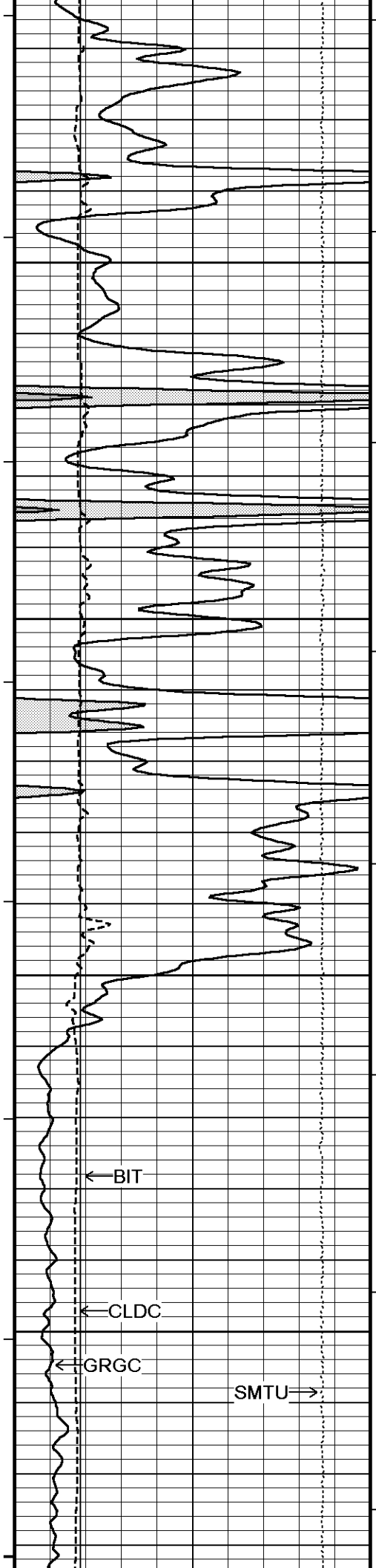






4700
110°
4750
110°
4800
110°
4850
100 110°
4900





111°

4950

111°

5000

112°

5050

112°

5100

← BIT

← CLDC

← GRGC

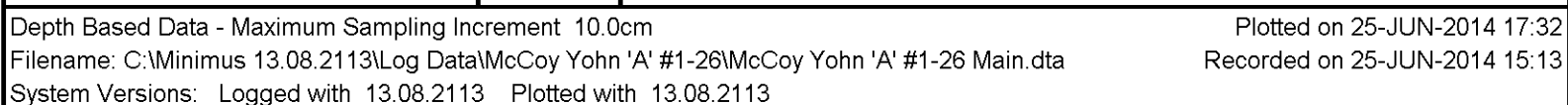
SMTU →

PDPE →

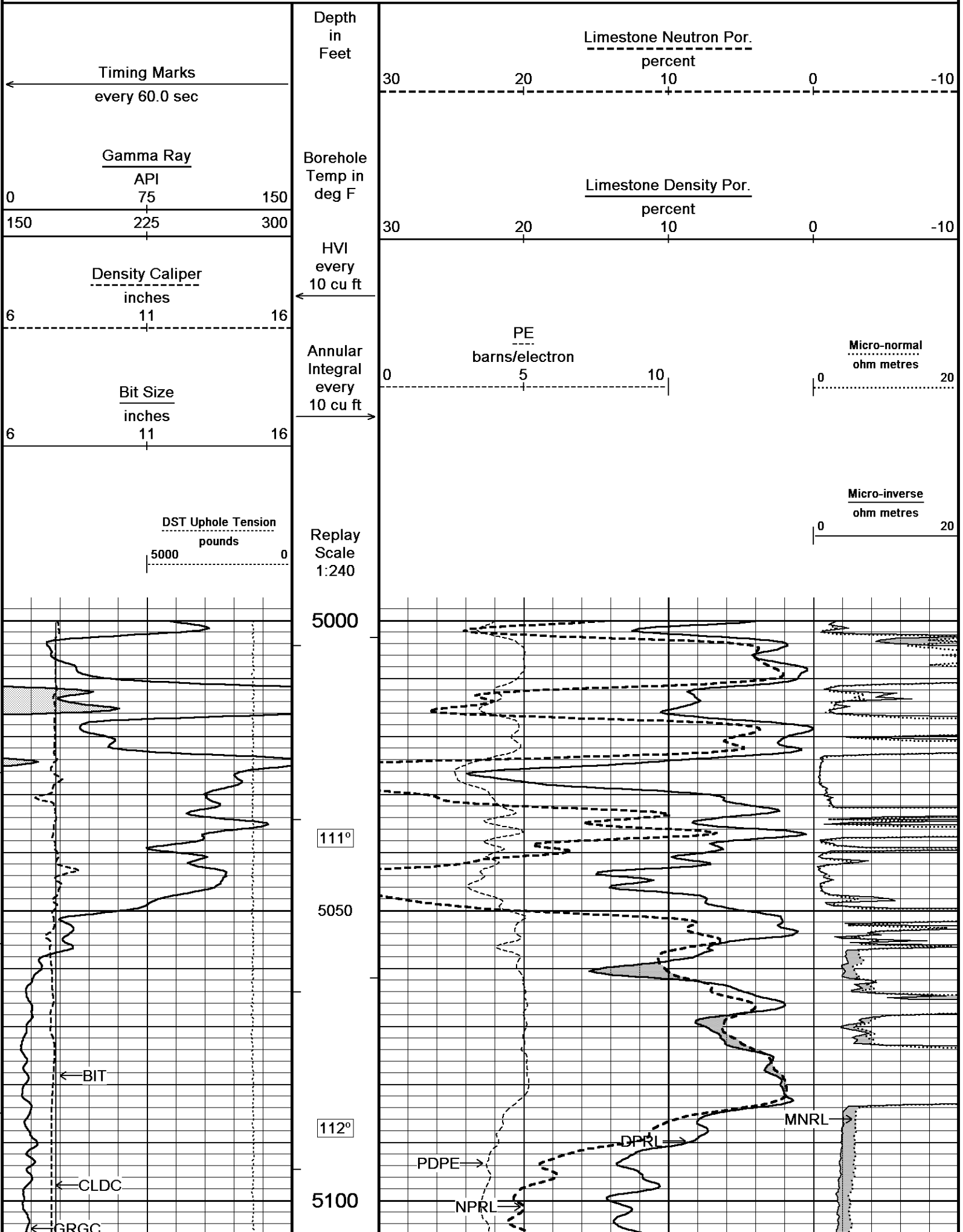
NPRL →

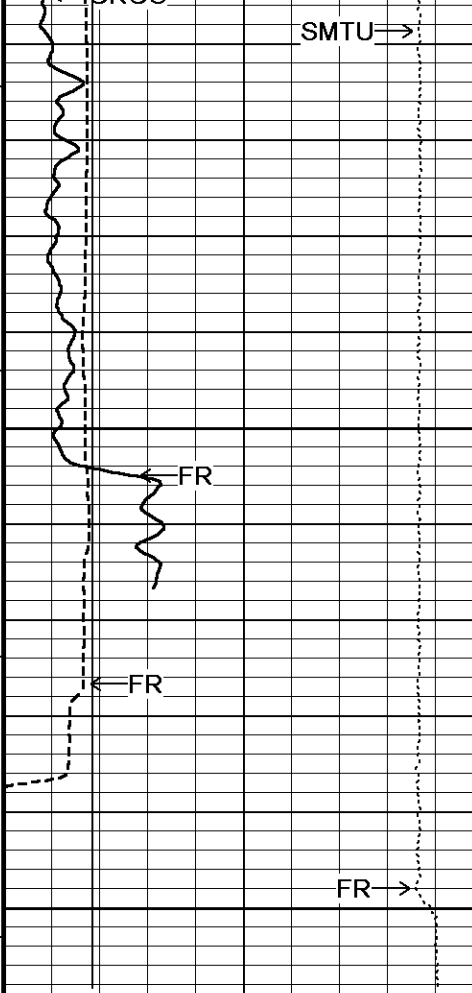
DPRI →

MNRL →



Depth Based Data - Maximum Sampling Increment 10.0cm

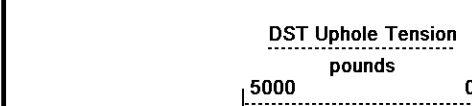
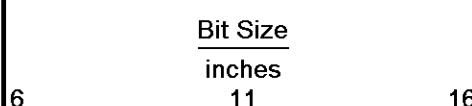
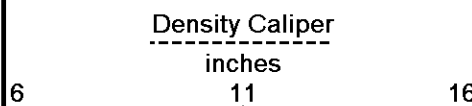
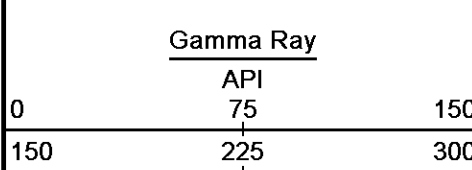
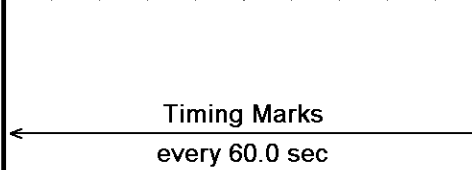
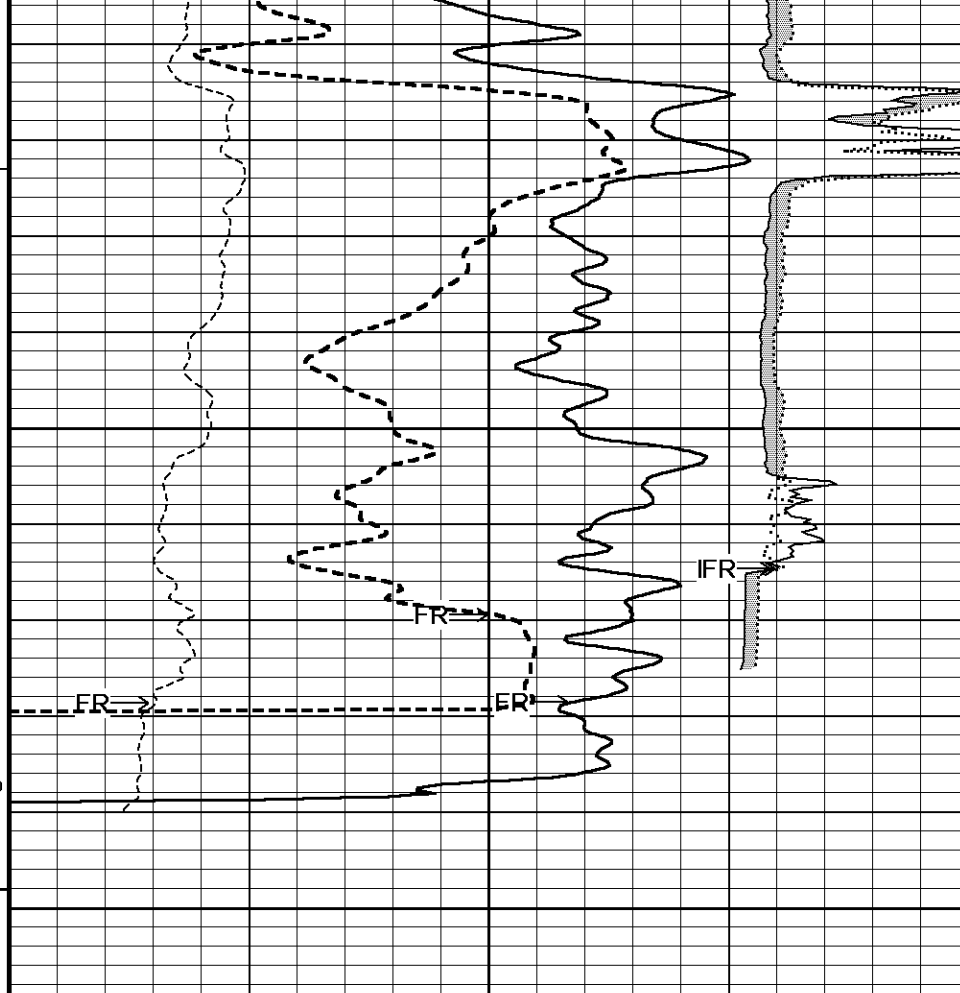




112°

5150

TD 5200



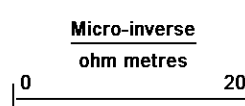
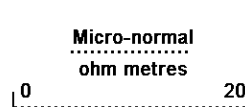
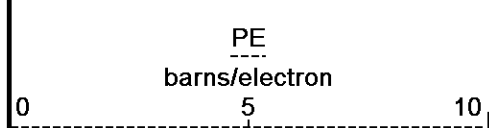
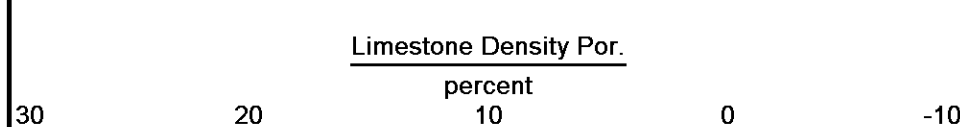
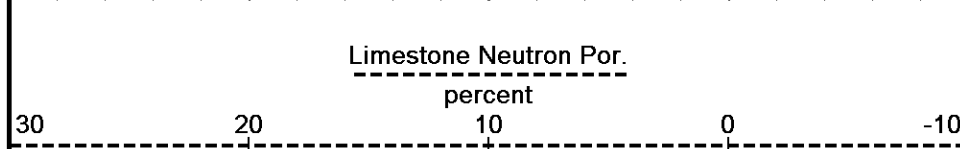
Depth in Feet

Borehole Temp in deg F

HVI every 10 cu ft

Annular Integral every 10 cu ft

Replay Scale 1:240



↑

REPEAT SECTION

↑

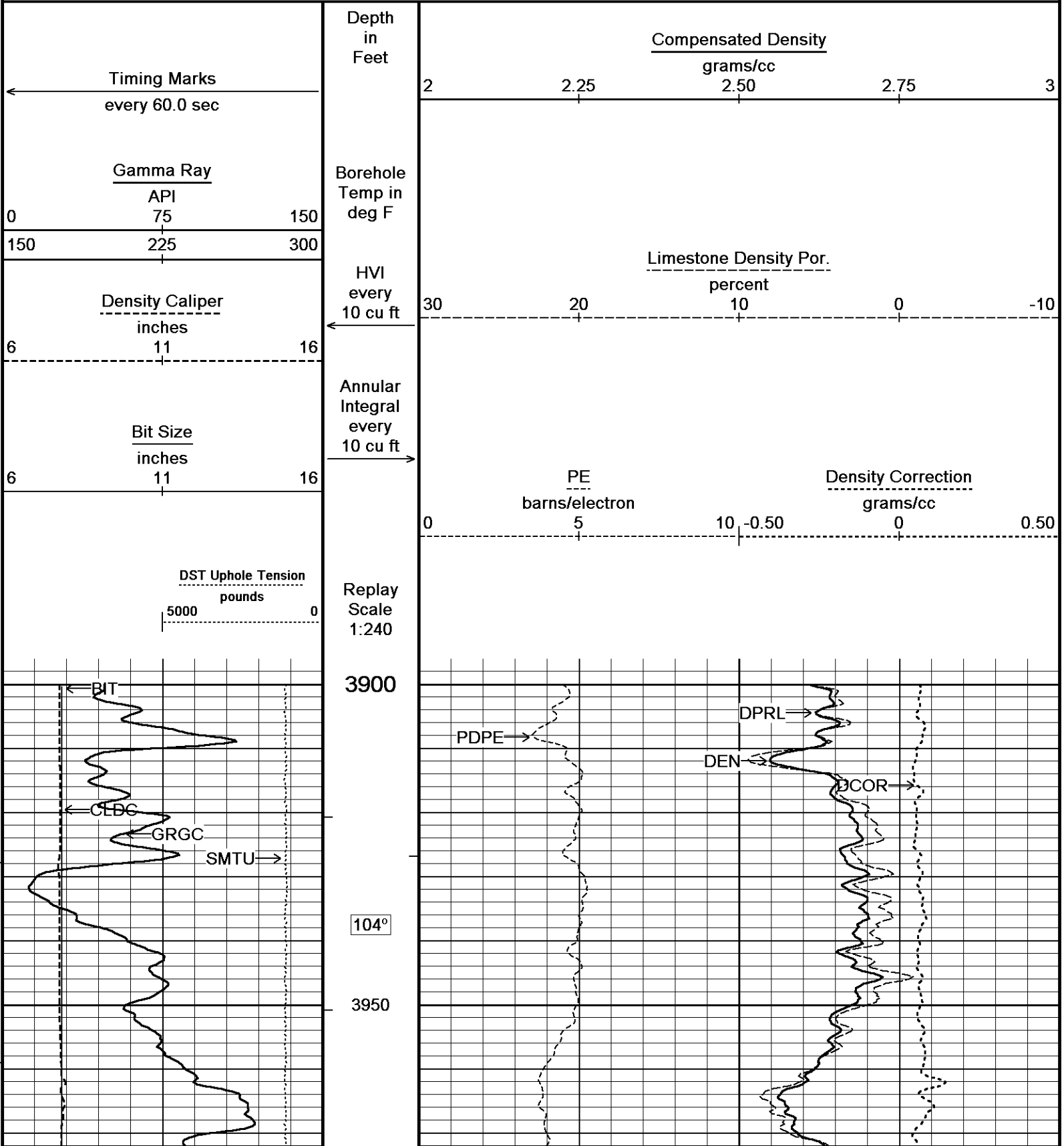
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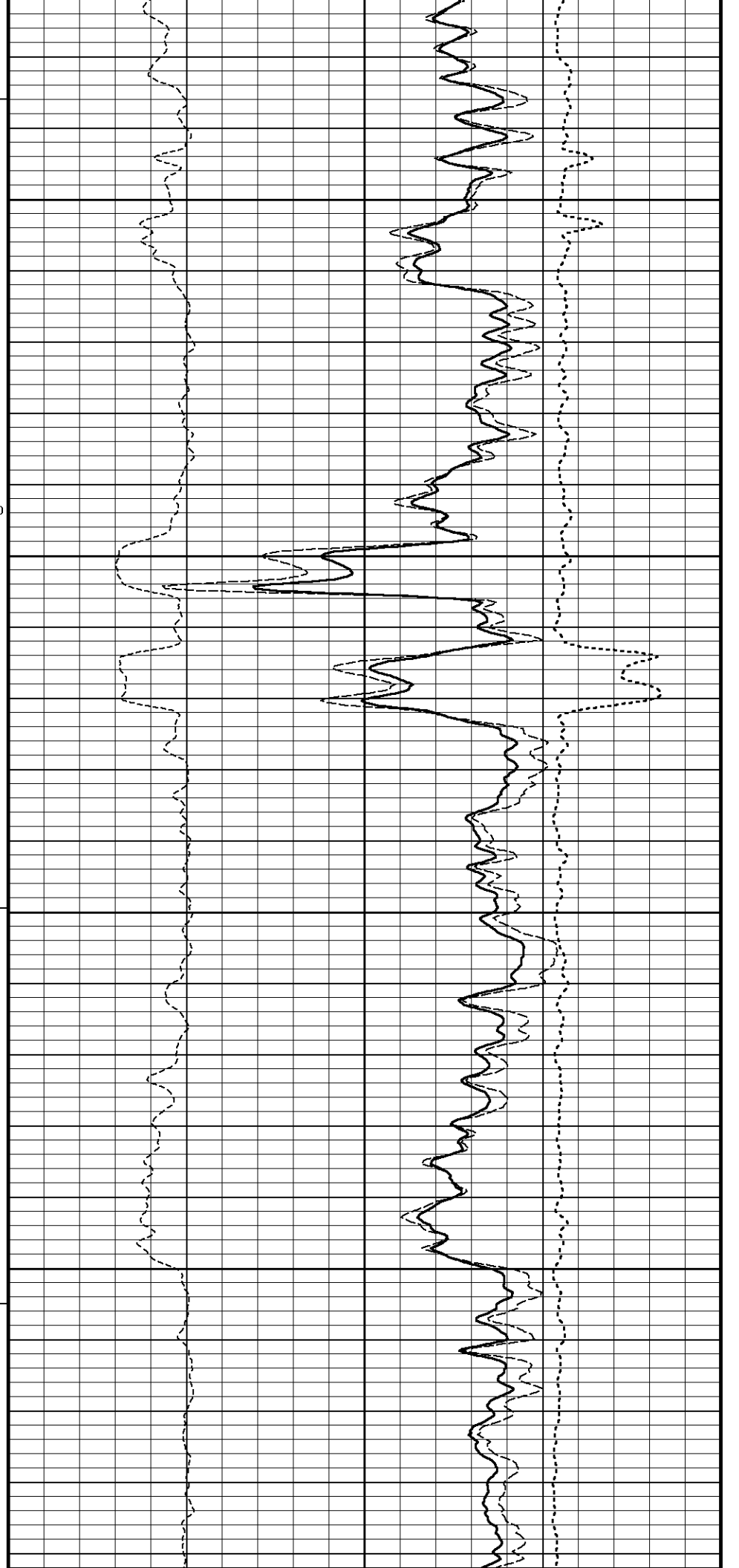
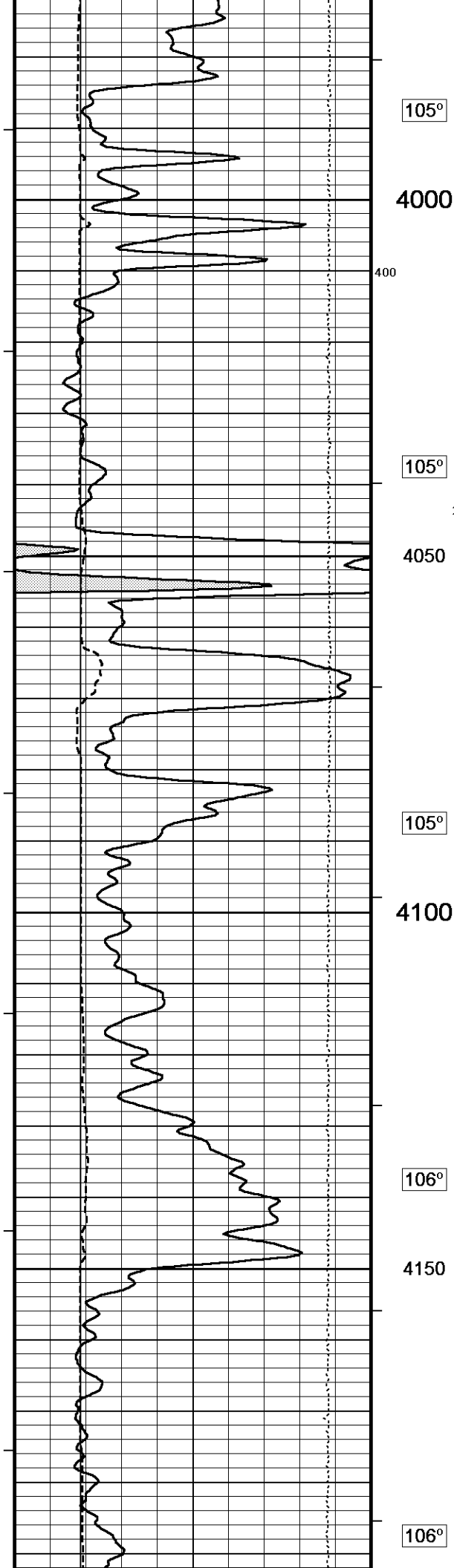
5 INCH BULK DENSITY MAIN

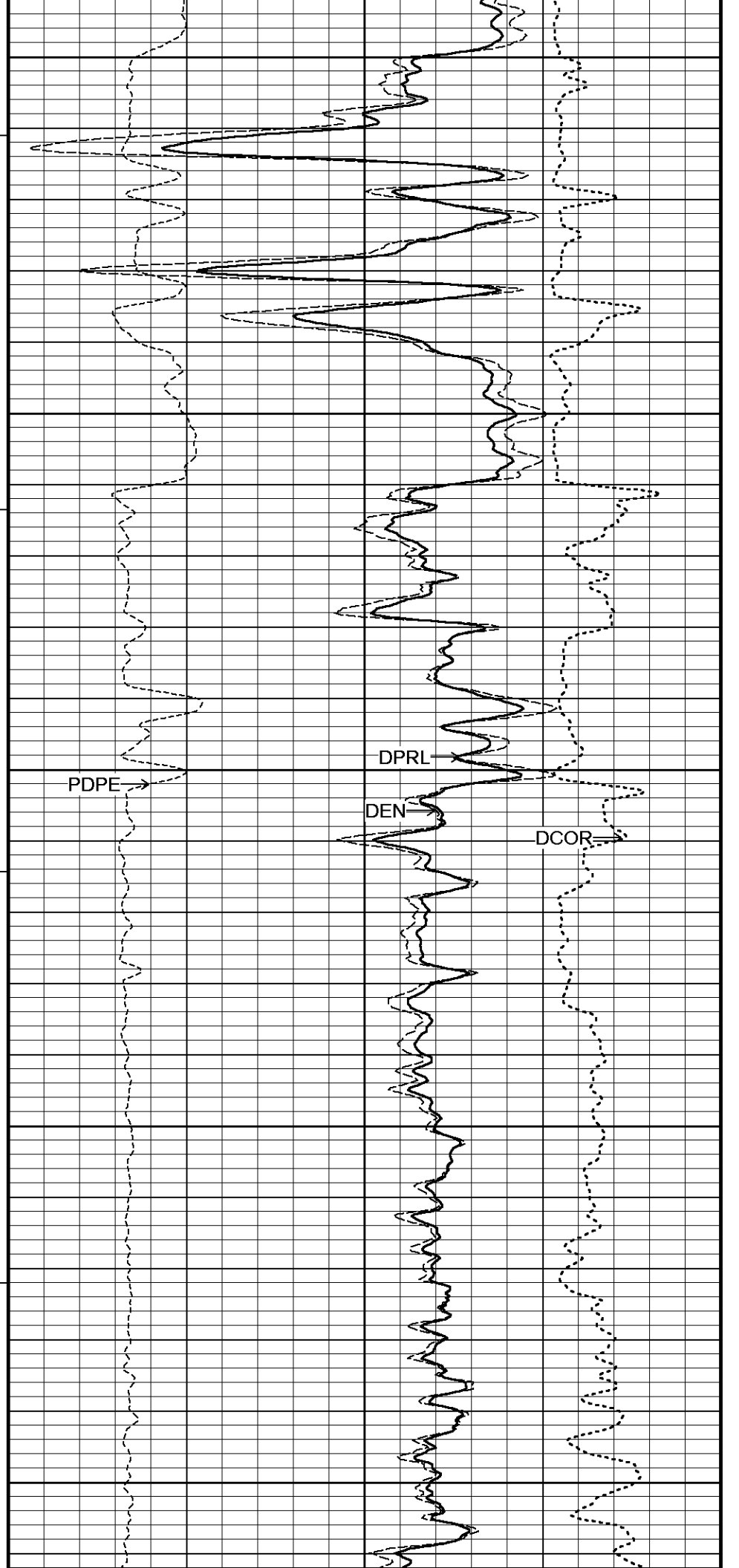
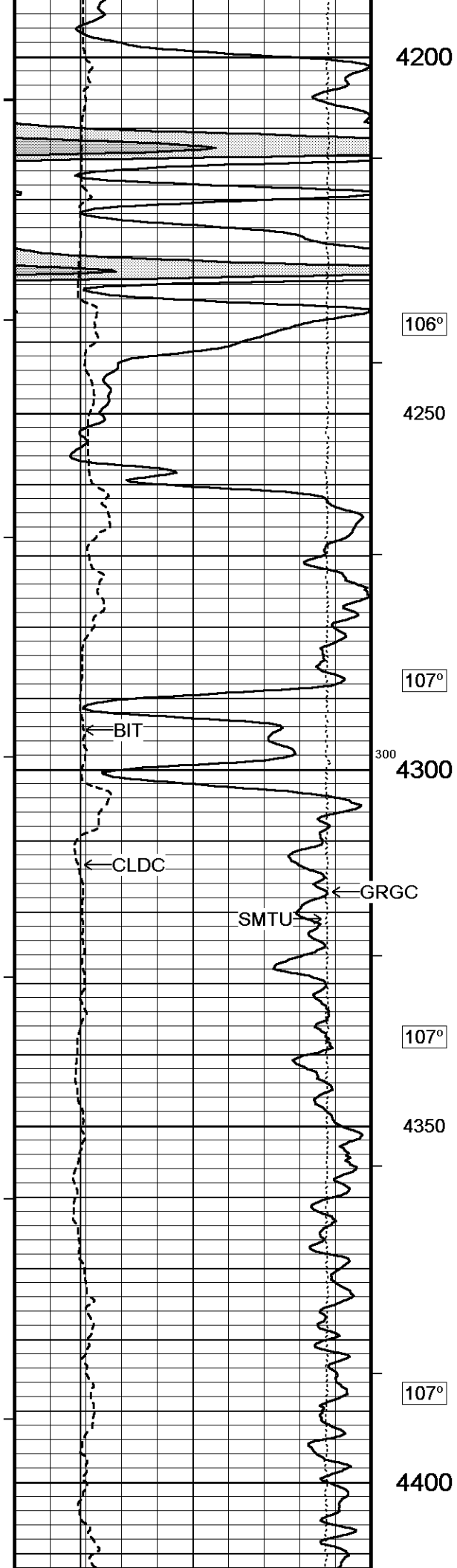
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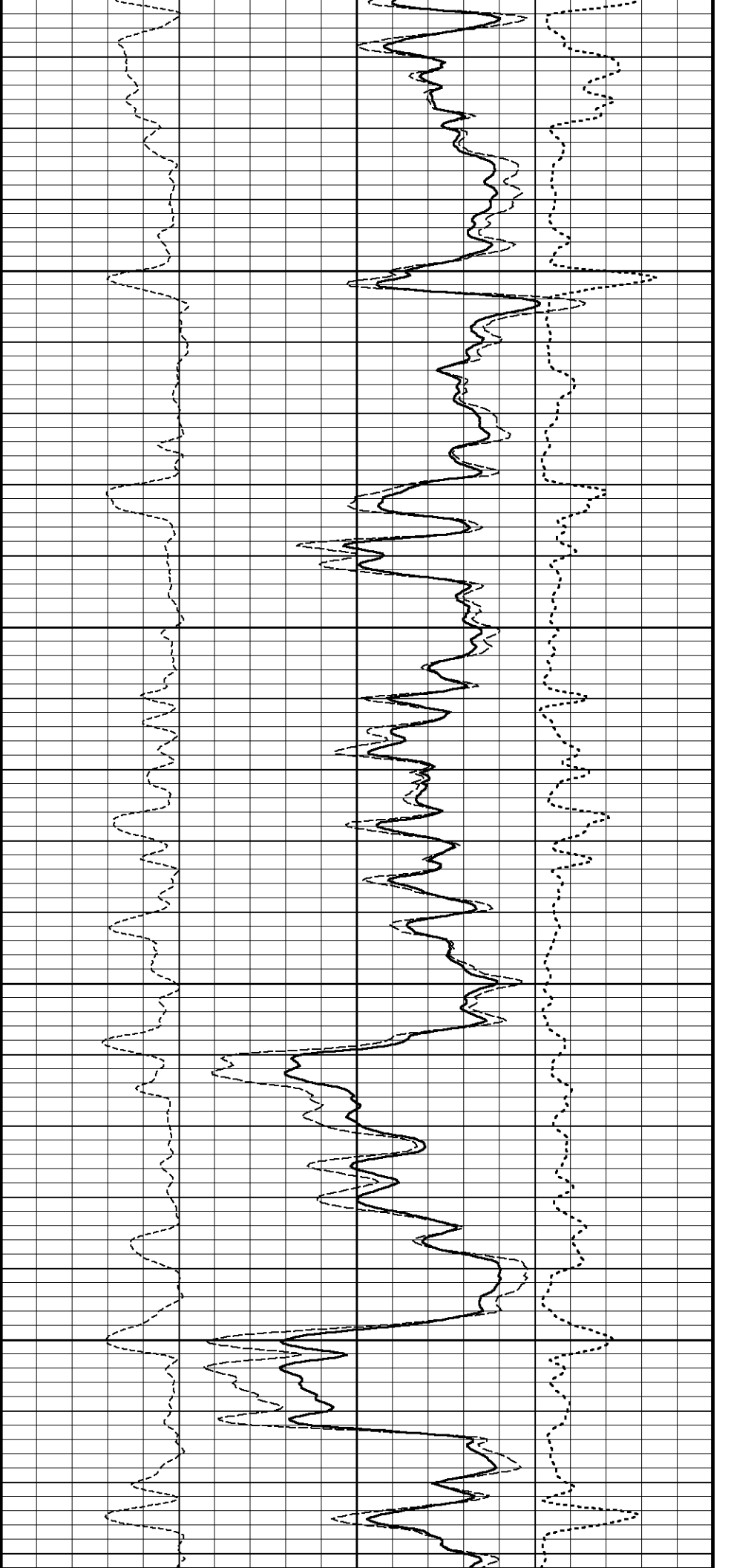
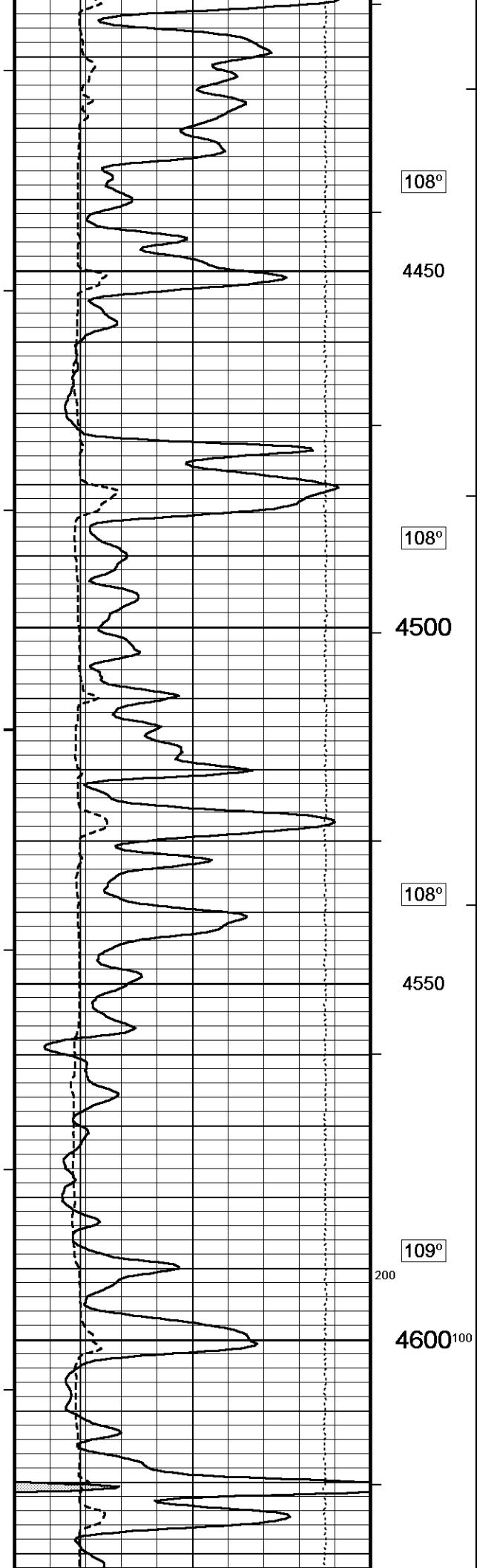
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System Versions: Logged with 13.08.2113 Plotted with 13.08.2113

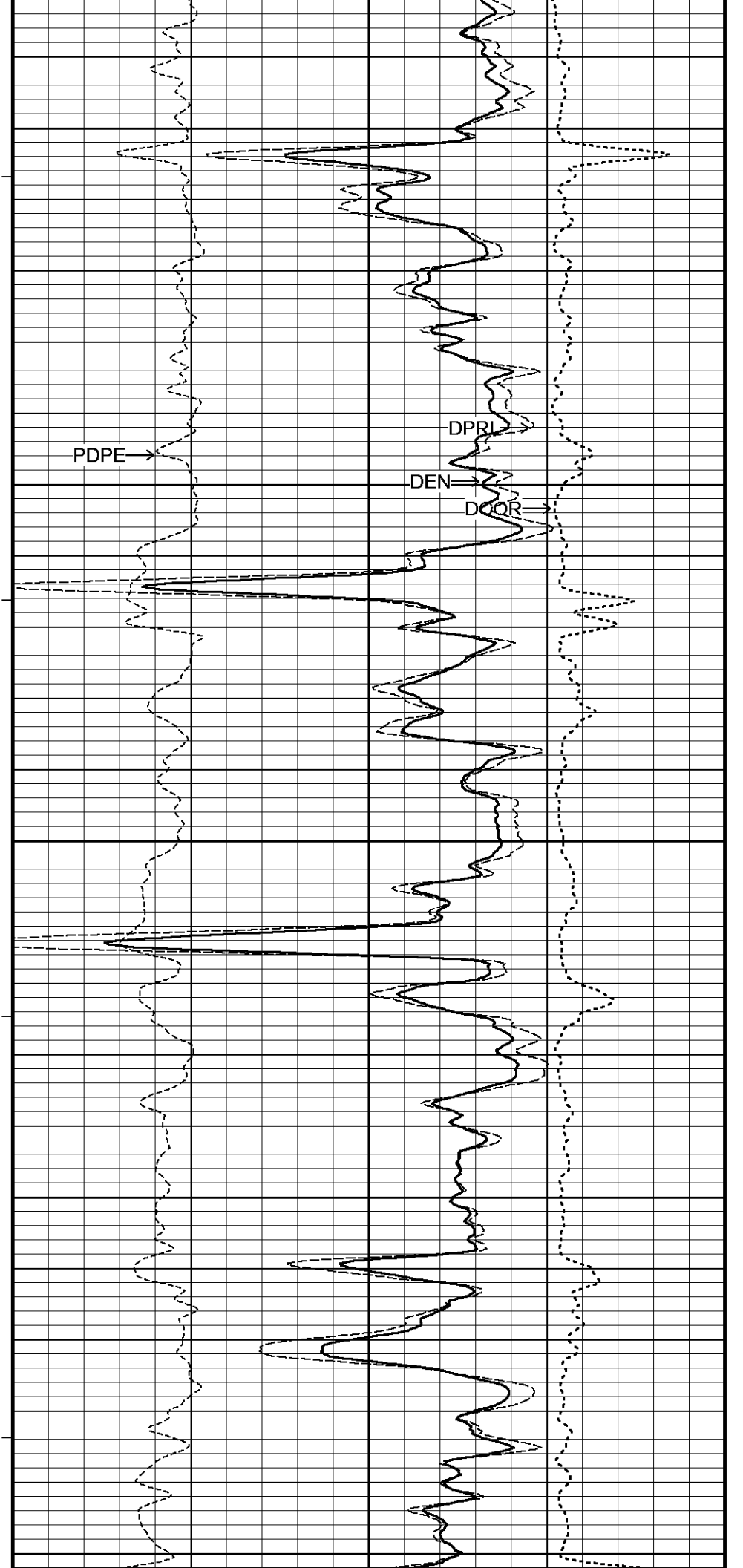
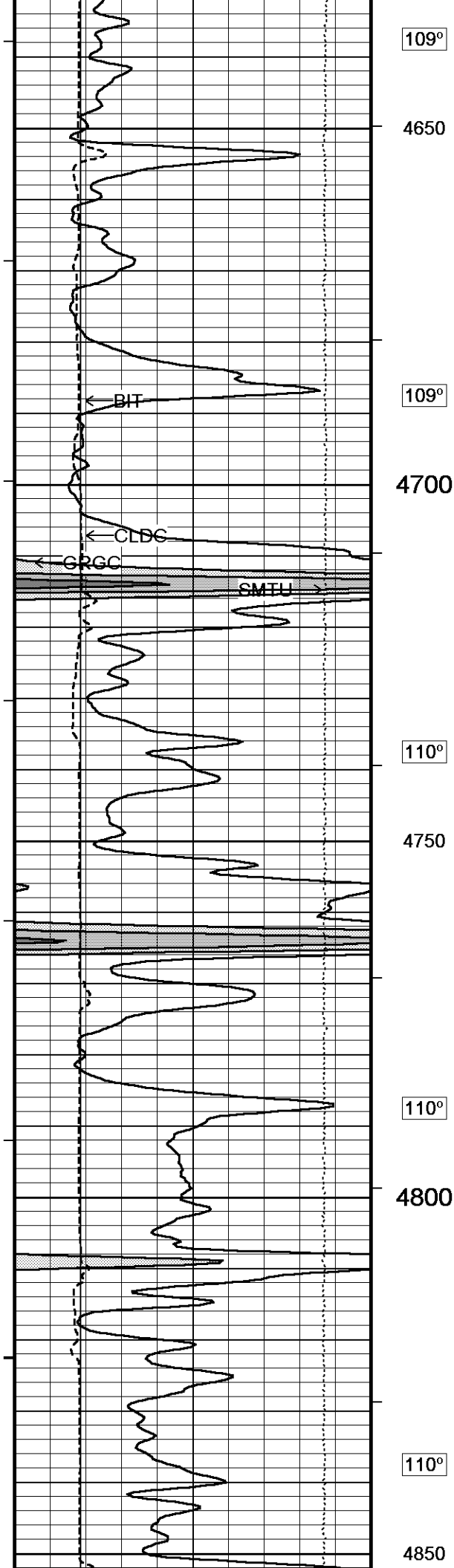
Plotted on 25-JUN-2014 17:32
Recorded on 25-JUN-2014 16:02

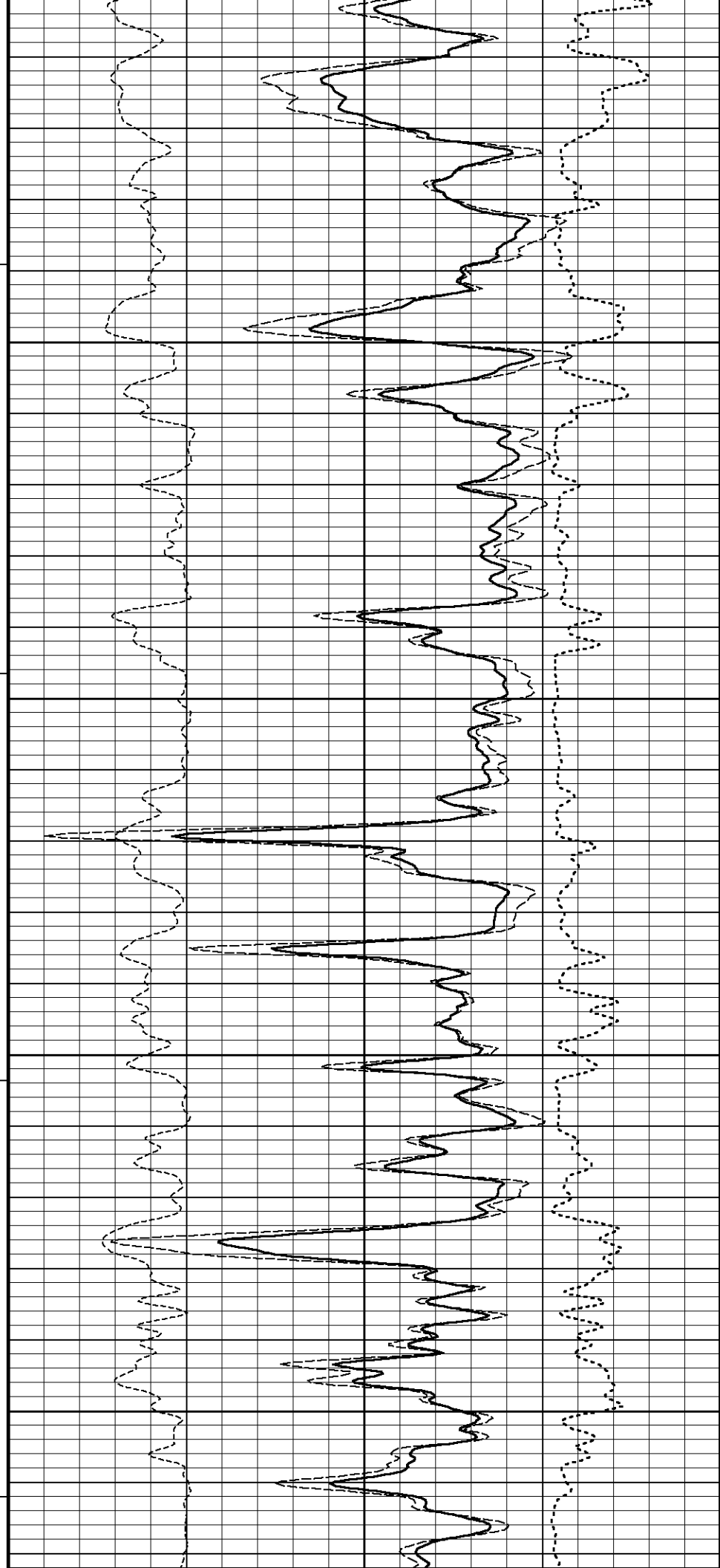
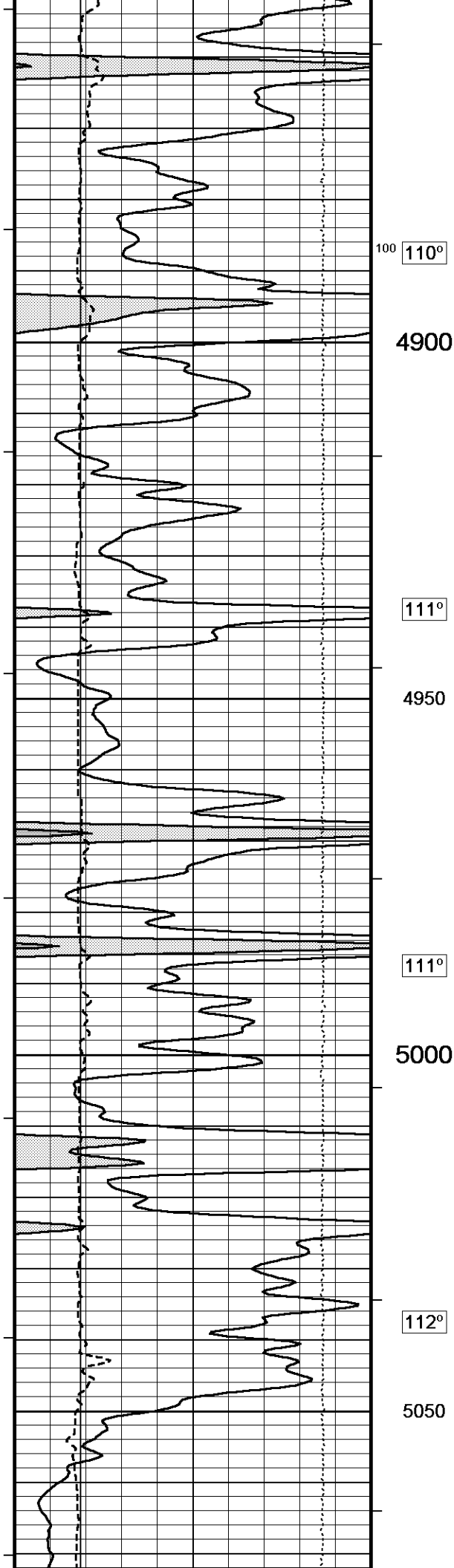


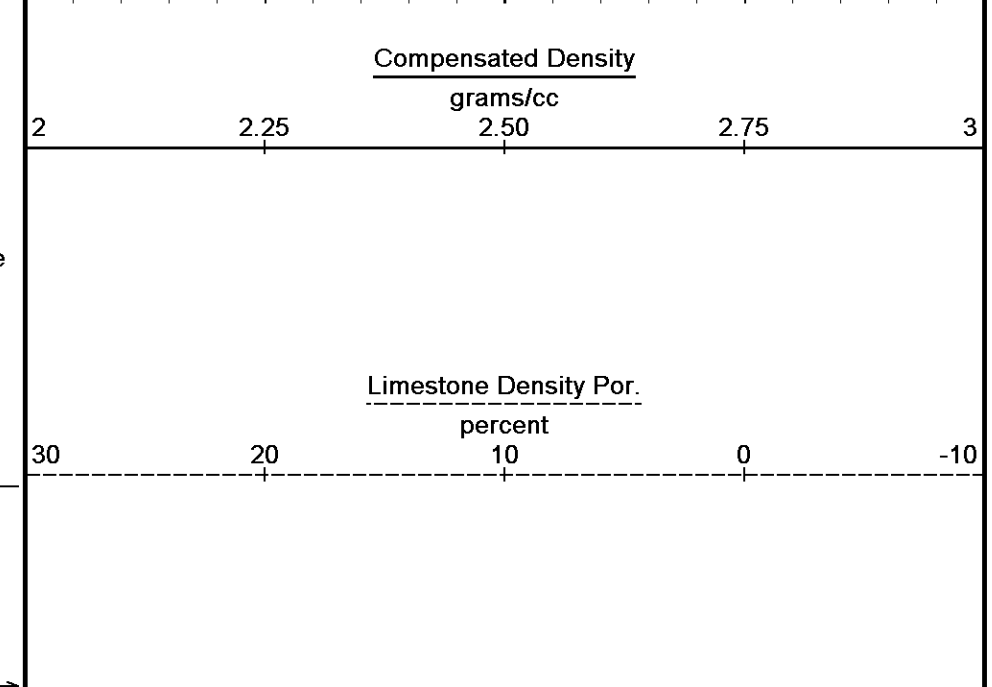
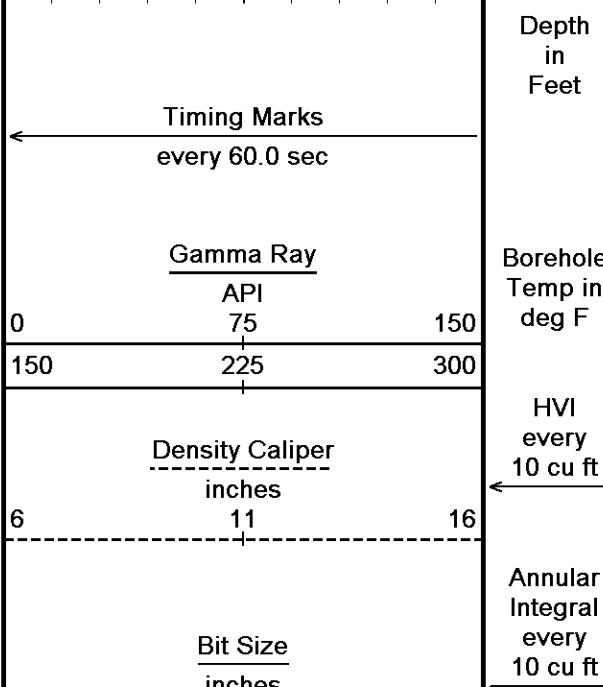
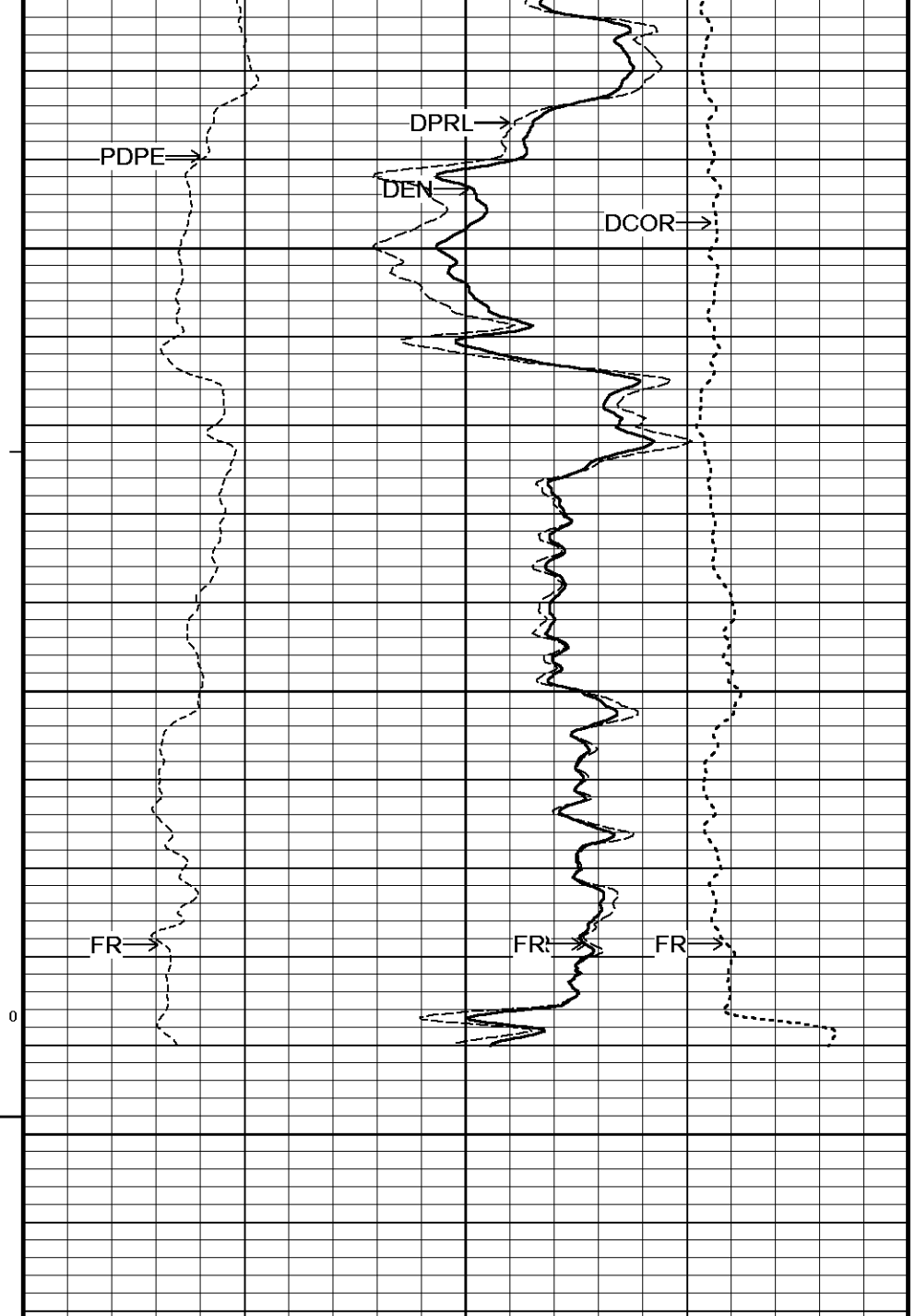
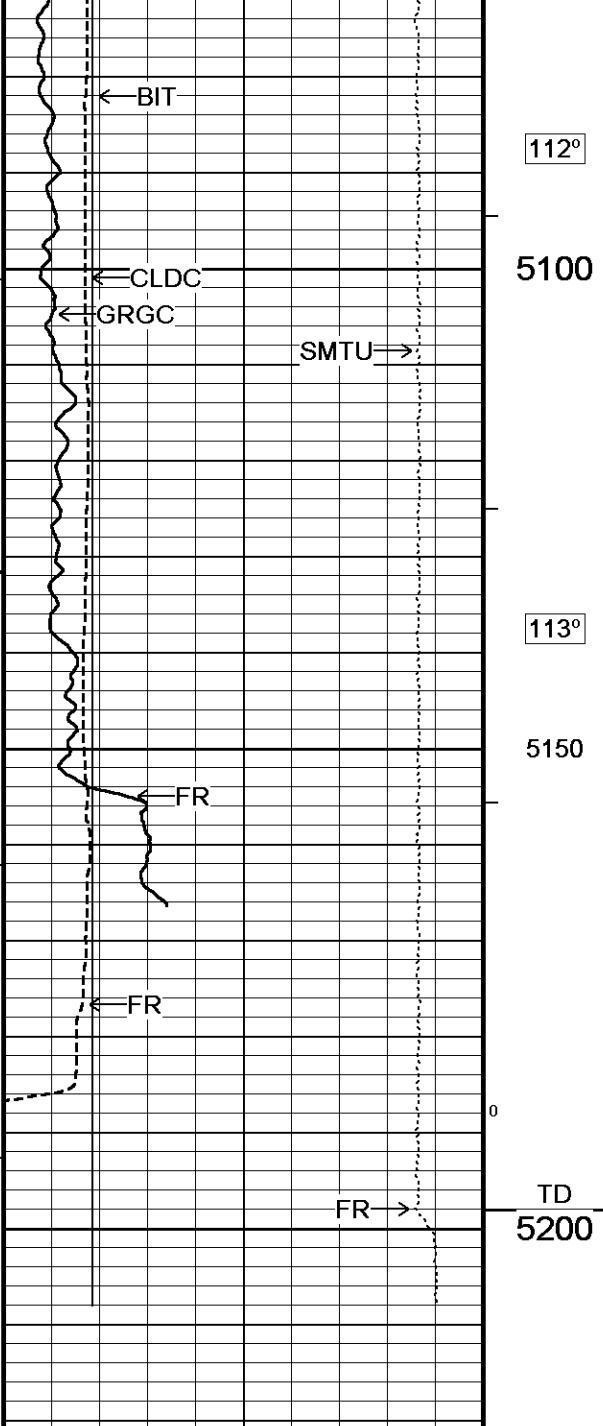


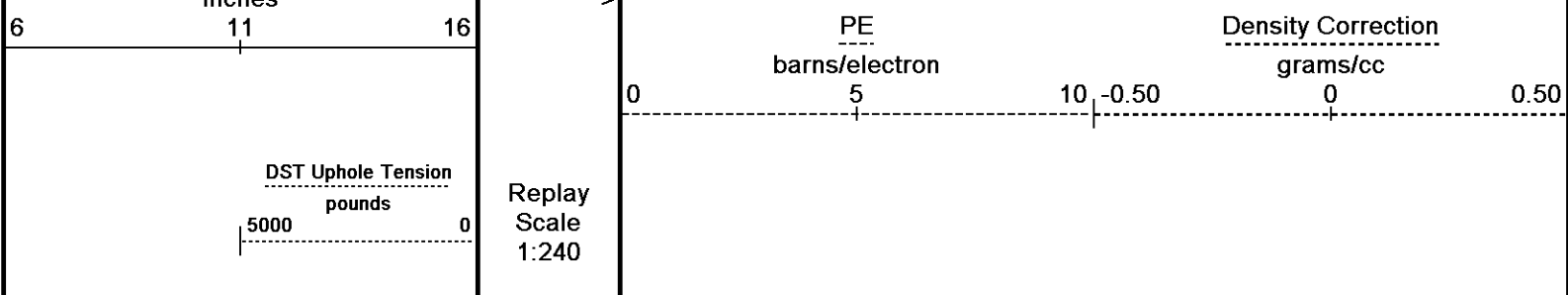










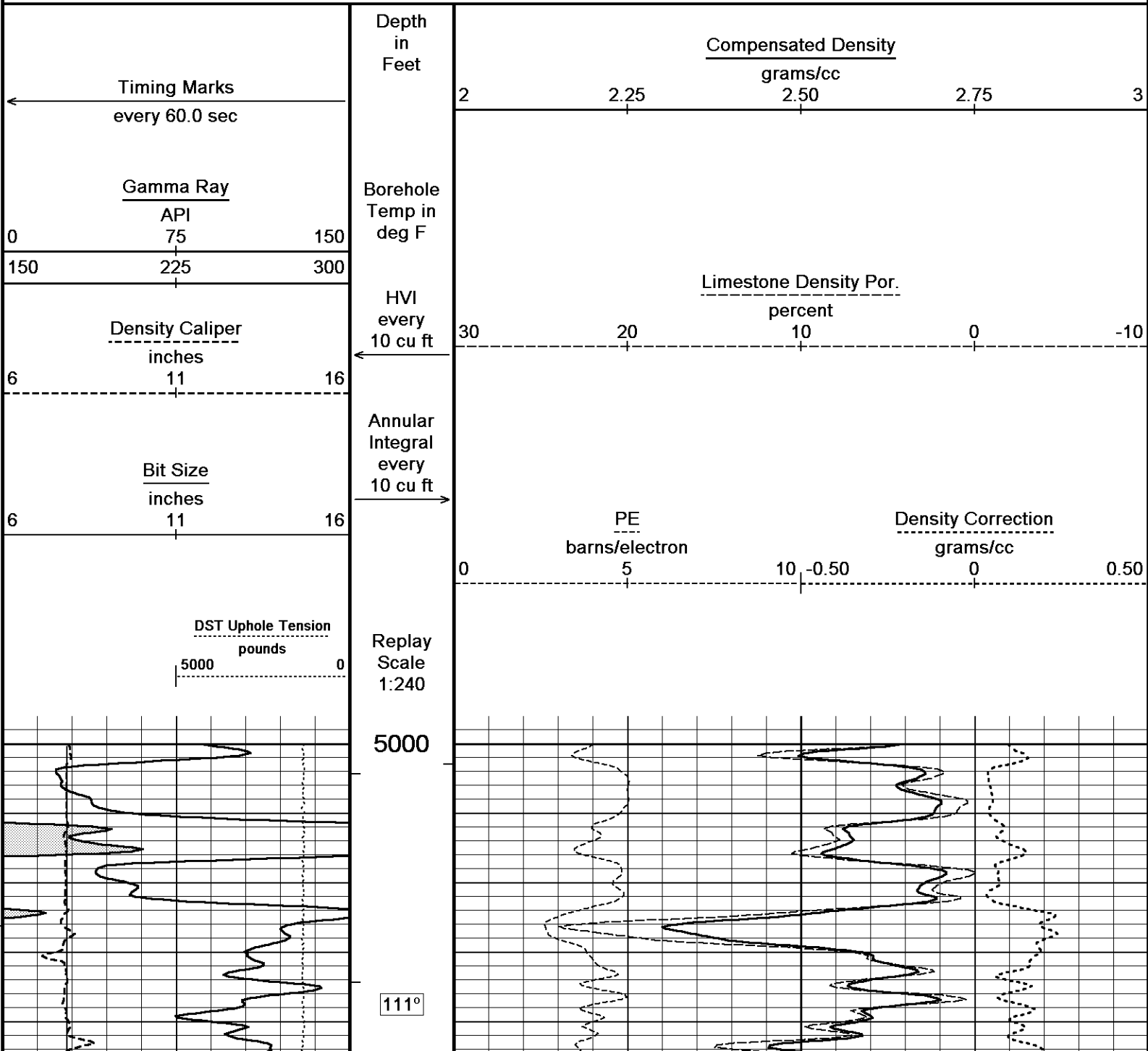


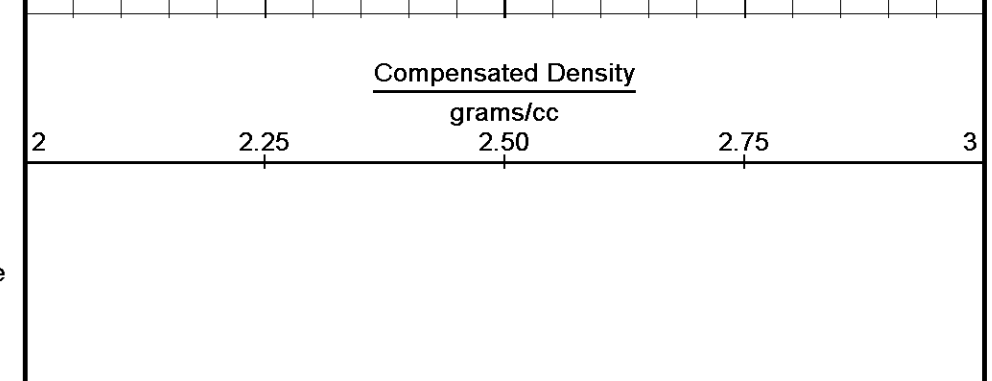
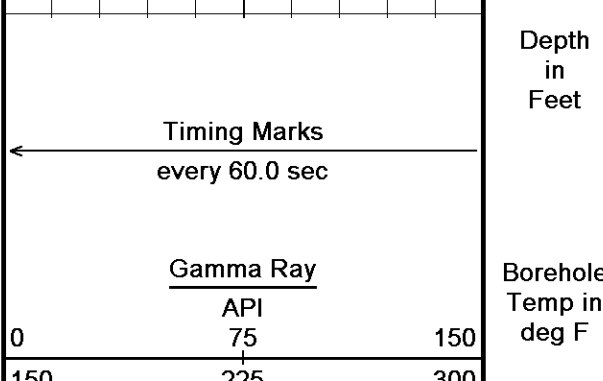
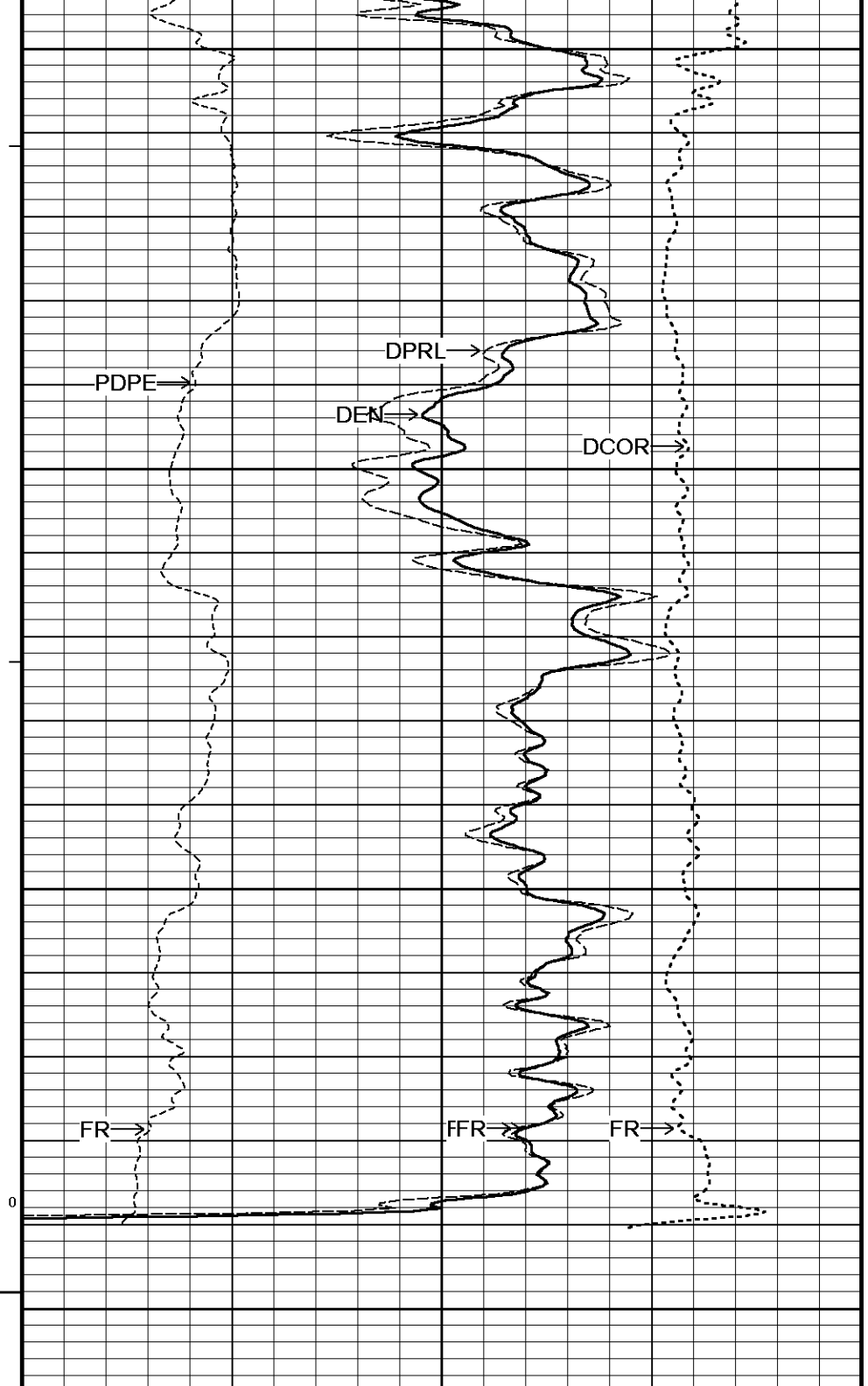
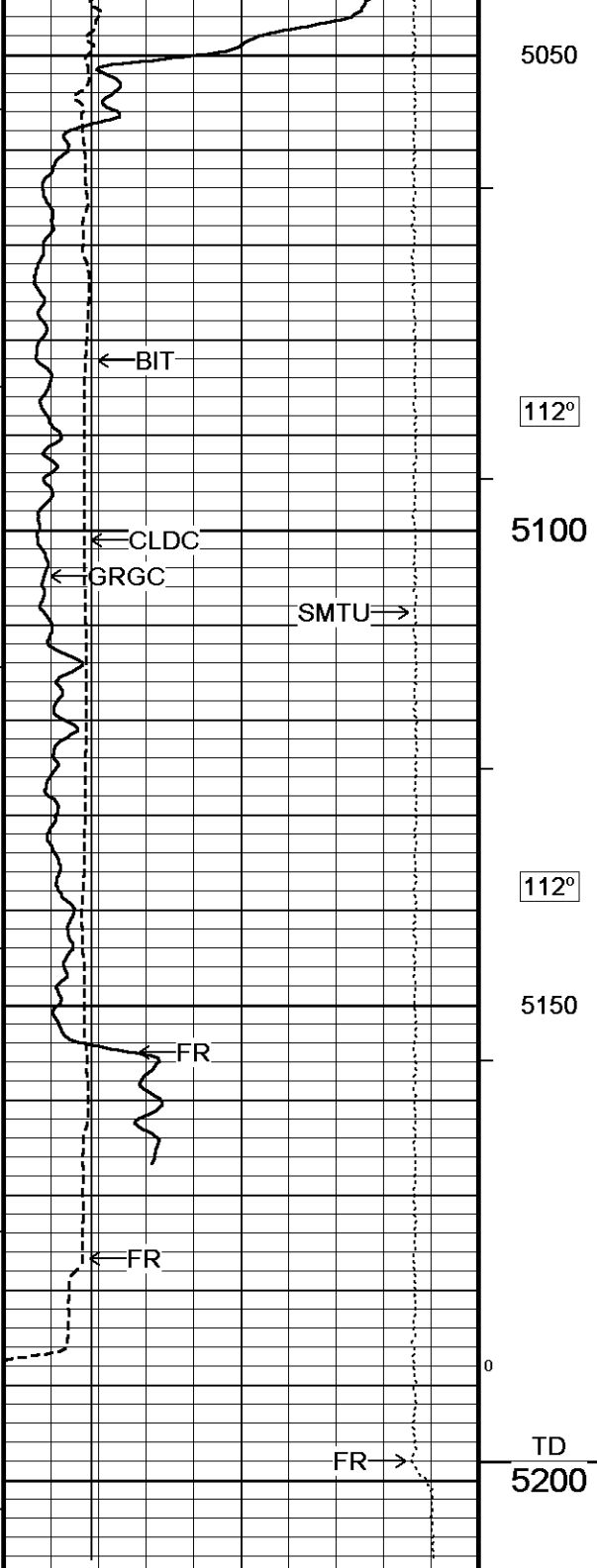
Depth Based Data - Maximum Sampling Increment 10.0cm	Plotted on 25-JUN-2014 17:32
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System Versions: Logged with 13.08.2113 Plotted with 13.08.2113	

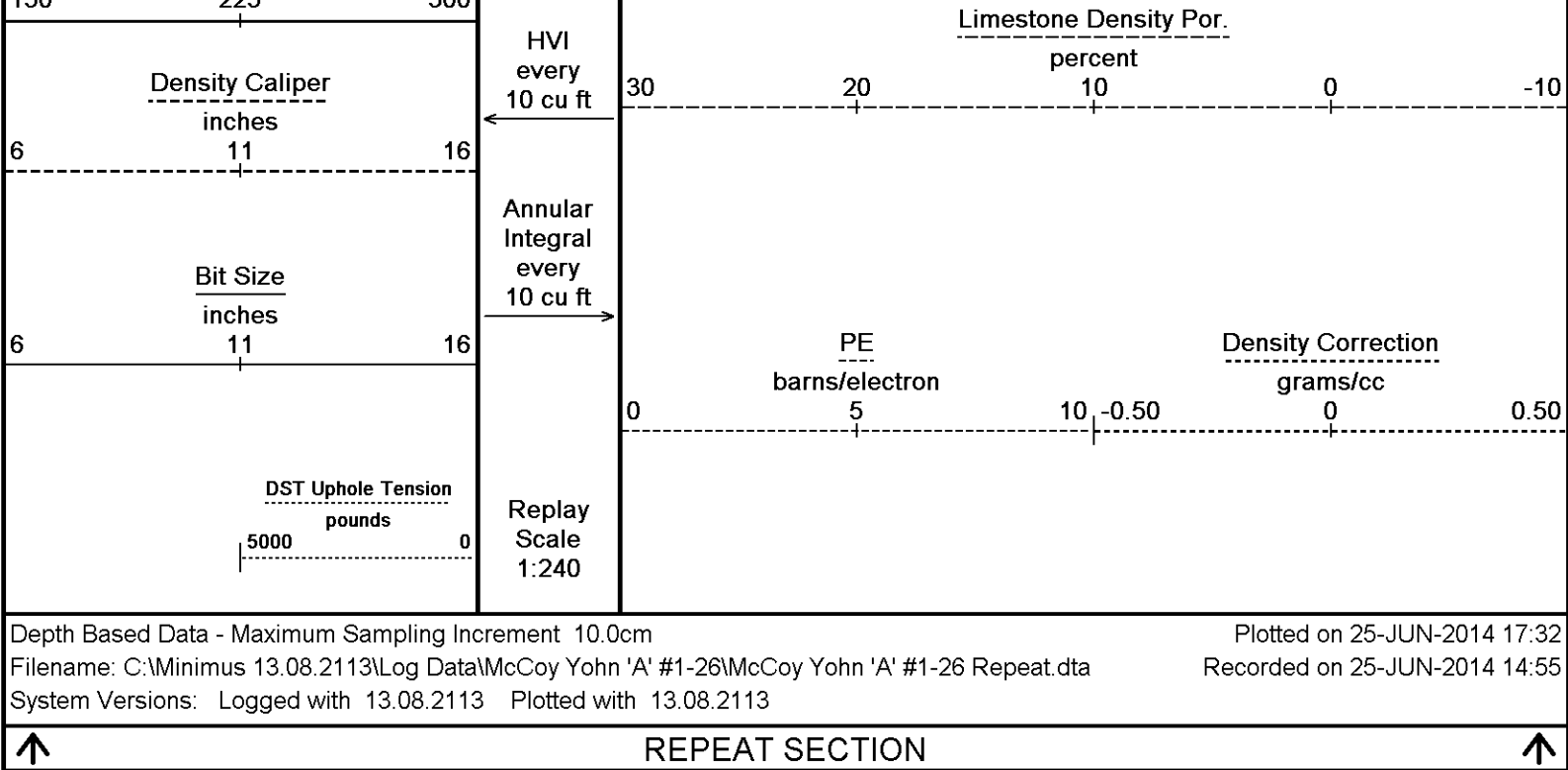
↑	5 INCH BULK DENSITY MAIN	↑
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↓	REPEAT SECTION	↓
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Depth Based Data - Maximum Sampling Increment 10.0cm	Plotted on 25-JUN-2014 17:32
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System Versions: Logged with 13.08.2113 Plotted with 13.08.2113	







BEFORE SURVEY CALIBRATION			
C:\Minimus 13.08.2113\Log Data\McCoy Yohn 'A' #1-26\McCoy Yohn 'A' #1-26 Main Detail.dta			
General Constants All 000		Last Edited on 25-JUN-2014,13:31	
General Parameters			
Mud Resistivity	0.660	ohm-metres	
Mud Resistivity Temperature	75.000	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	5.500	inches	
Caliper for Differential Caliper	None		
Rwa Parameters			
Porosity used	Crossplot Porosity		
Resistivity used	Array Ind. One Res Rt		
RWA Constant A	1.000		
RWA Constant M	2.000		
SW/APOR Tool Source	0.000		
Gamma Calibration MCG-D.K 469		Field Calibration on 25-JUN-2014 09:24	
	Measured	Calibrated (API)	
Background	68	46	
Calibrator (Gross)	1139	771	
Calibrator (Net)	1071	725	
Gamma Constants MCG-D.K 469		Last Edited on 24-JUN-2014,04:24	
Gamma Calibrator Number GRC038			
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	%	
High Resolution Temperature Calibration MCG-D.K 469			

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

High Resolution Temperature Constants MCG-D.K 469

Last Edited on 12-JUN-2014,06:51

Pre-filter Length 11

Caliper Calibration MPD-C.A 216

Base Calibration on 18-JUN-2014 10:39

Field Calibration on 25-JUN-2014 09:05

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	16948	3.99
2	27088	5.98
3	37015	7.97
4	46800	9.86
5	58001	11.92
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
7.92	7.97

Photo Density Calibration MPD-C.A 216

Base Calibration on 18-JUN-2014 11:00

Field Check on 25-JUN-2014 09:10

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Background	1108	1302		
Reference 1	60000	31770	59556	30836
Reference 2	24613	2738	24941	2541

Field Check at Base

1107.7 1302.5

Field Check

1102.6 1305.3

PE Calibration

Base Calibration	WS	Measured		Calibrated
		WH	Ratio	Ratio
Background	200	988		
Reference 1	24654	59812	0.416	0.371
Reference 2	6993	24480	0.289	0.272

Field Check at Base

199.7 987.8

Field Check

199.5 983.0

Density Constants MPD-C.A 216

Last Edited on 24-JUN-2014,04:24

Density Source Id	18235B
Nylon Calibrator Number	DNCE695
Aluminium Calibrator Number	DACD698
Density Shoe Profile	8 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
0.00

DOWNHOLE EQUIPMENT

C:\Minimus 13.08.2113\Log Data\McCoy Yohn 'A' #1-26\McCoy Yohn 'A' #1-26 Main Detail.dta

3/8" Triple Cone Cable Head (MCB C A)

MCB-C.A 5 LG: 1.58 ft WT: 15.4 lb OD: 2.244 in

Compact Comms Gamma

MCG-D.K 469 LG: 8.70 ft WT: 63.9 lb OD: 2.240 in

Compact Micro-log

MML-A 3 LG: 7.97 ft WT: 81.6 lb OD: 2.240 in

Compact Neutron

MDN-A.B 66 LG: 5.04 ft WT: 50.7 lb OD: 2.244 in

Compact Density/Caliper

MPD-C.A 216 LG: 9.59 ft WT: 90.4 lb OD: 2.449 in

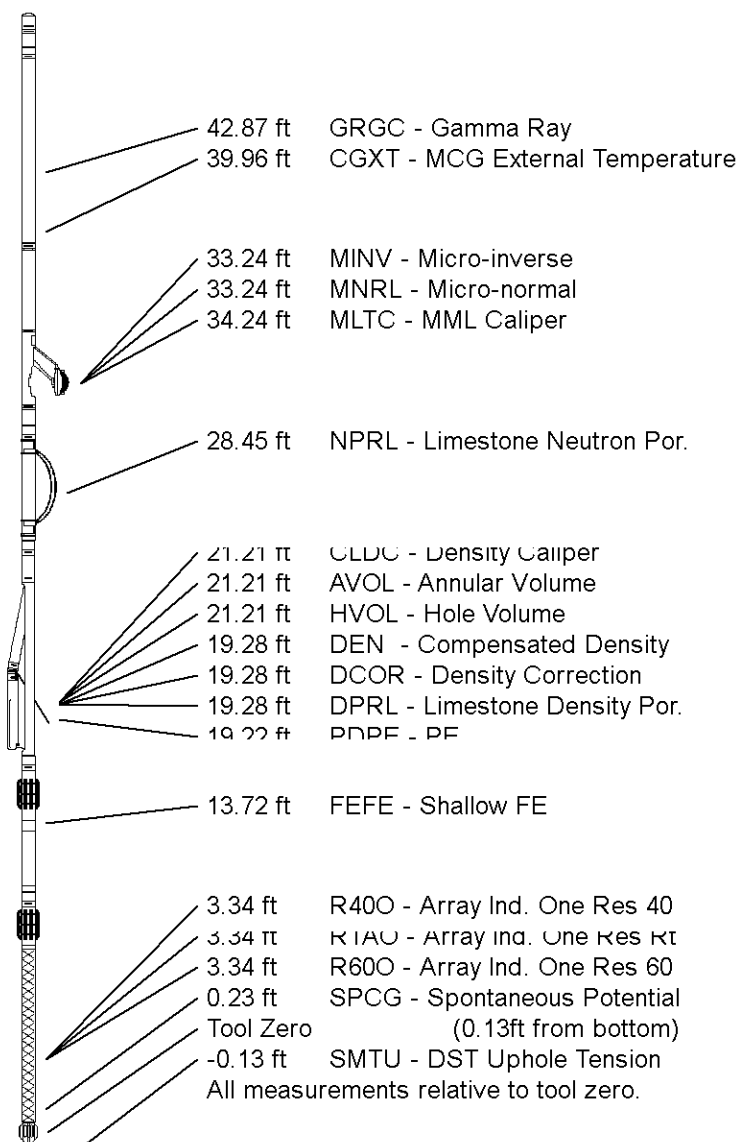
Compact Focussed Electric

MFE-A.A 135 LG: 6.05 ft WT: 48.5 lb OD: 2.244 in

Compact Induction

MAI-A.A 111 LG: 10.81 ft WT: 48.5 lb OD: 2.244 in

Total Length: 49.73 ft Weight: 399.0 lb



COMPANY

MCCOY PETROLEUM CORPORATION

WELL

YOHN 'A' #1-26

FIELD

ALFORD SOUTH

PROVINCE/COUNTY

KIOWA

COUNTRY/STATE

U.S.A. / KANSAS

Elevation Kelly Bushing 2233.00 feet

Elevation Drill Floor 2231.00 feet

Elevation Ground Level 2220.00 feet

First Reading 5178.65 feet

Depth Driller 5200.00 feet

Depth Logger 5198.00 feet



Weatherford®

COMPACT PHOTO DENSITY

COMPENSATED NEUTRON

MICRORESISTIVITY LOG

