



Weatherford

**COMPACT PHOTO DENSITY
COMPENSATED NEUTRON
MICRORESISTIVITY LOG**

COMPANY		BEREXCO, LLC.	
WELL		KANE UNIT #4-14	
FIELD		ALFORD	
PROVINCE/COUNTY		KIOWA	
COUNTRY/STATE		U.S.A. / KANSAS	
LOCATION		1560' FSL & 1380' FWL	
SEC 14	TWP 30S	RGE 19W	Other Services
Latitude	MAI/MFE		
Longitude	MSS		
API Number	15-097-21839		
Permanent Datum GL, Elevation 2215 feet		Elevations: feet	
Log Measured From KB, 12.00 feet above Permanent Datum		KB	2227.00
Drilling Measured From KB		DF	2225.00
		GL	2215.00
Date	16-DEC-2018		
Run Number	ONE		
Service Order	4558-232171566		
Depth Driller	5300.00		
Depth Logger	5299.00		
First Reading	5265.00		
Last Reading	4000.00		
Casing Driller	685.00		
Casing Logger	685.00		
Bit Size	7.875		
Hole Fluid Type	CHEMICAL		
Density / Viscosity	9.30 lb/USg	52.00 CP	
PH / Fluid Loss	11.00	8.80 ml/30Min	
Sample Source	FLOWLINE		
Rm @ Measured Temp	0.63 @ 75.0	ohm-m	
Rmf @ Measured Temp	0.50 @ 75.0	ohm-m	
Rmc @ Measured Temp	0.76 @ 75.0	ohm-m	
Source Rmf / Rmc	CALC	CALC	
Rm @ BHT	0.44 @108.0	ohm-m	
Time Since Circulation	5 HOURS		
Max Recorded Temp	108.00	deg F	
Equipment / Base	13096	LIB	
Recorded By	ADAM SILL		
Witnessed By	CLINT BLEIER		

BOREHOLE RECORD					Last Edited: 16-DEC-2018 15:49
Bit Size inches		Depth From feet		Depth To feet	
7.875		685.00		5300.00	
CASING RECORD					
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft	
SURFACE	8.625	0.00	685.00	24.00	

REMARKS
- SOFTWARE ISSUE: WLS 18.03.9344.
- RUN ONE: MCG, MML, MDN, MPD, MFE, MSS, MAI RUN IN COMBINATION. - HARDWARE: DUAL BOWSPRING USED ON MDN. 0.5 INCH STANDOFF USED ON MFE. TWO 0.5 INCH STANDOFFS USED ON MSS. 0.5 INCH STANDOFF USED ON MAI.
- 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: 2060 CU.FT.
- ANNULAR HOLE VOLUME WITH 5.5 INCH PRODUCTION CASING FROM TD TO 4000 FEET: 221 CU.FT.

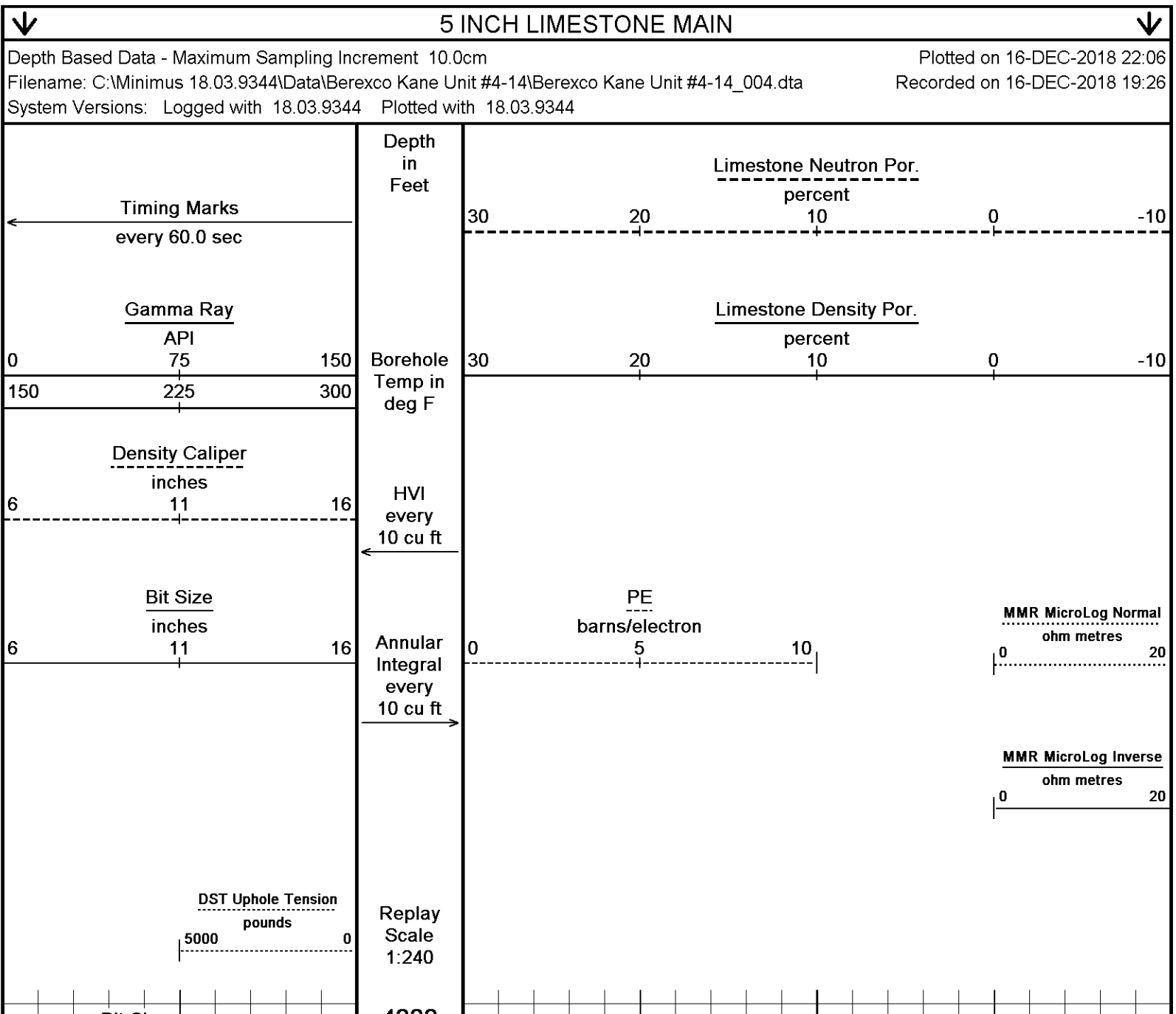
- RIG: FOSSIL DRILLING #3.

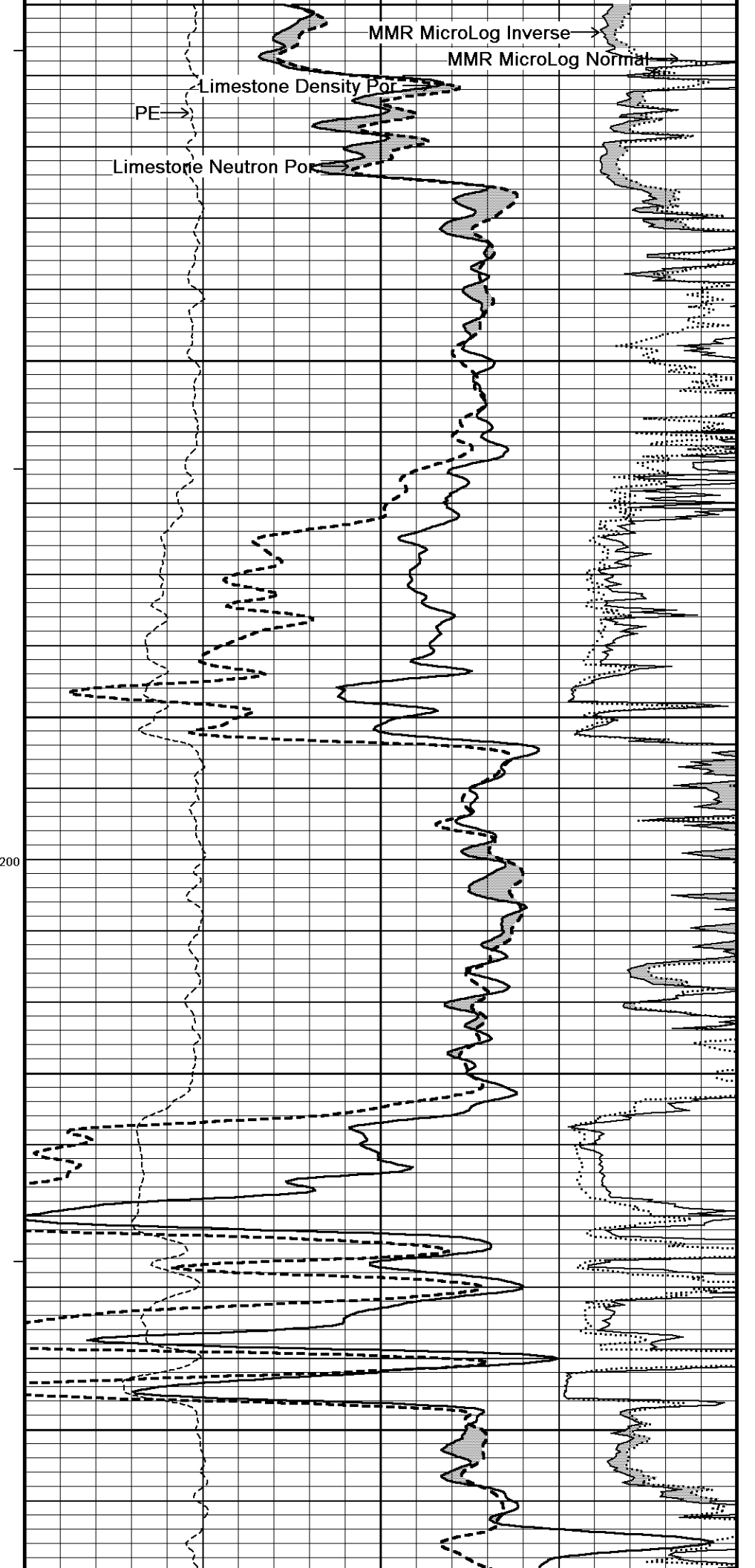
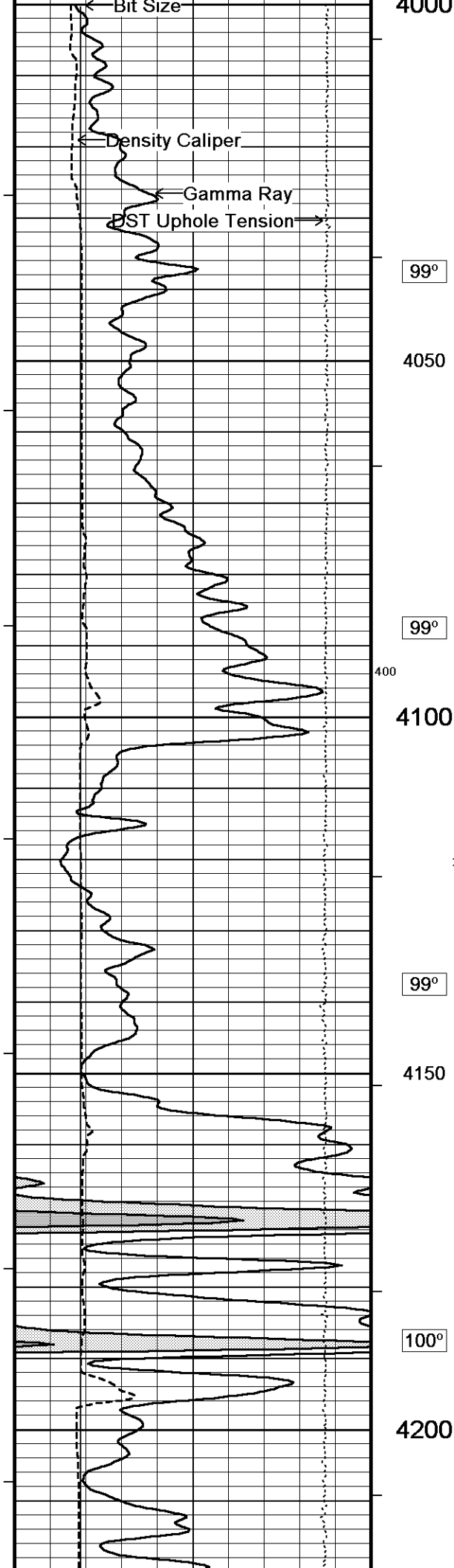
- ENGINEER: A. SILL.

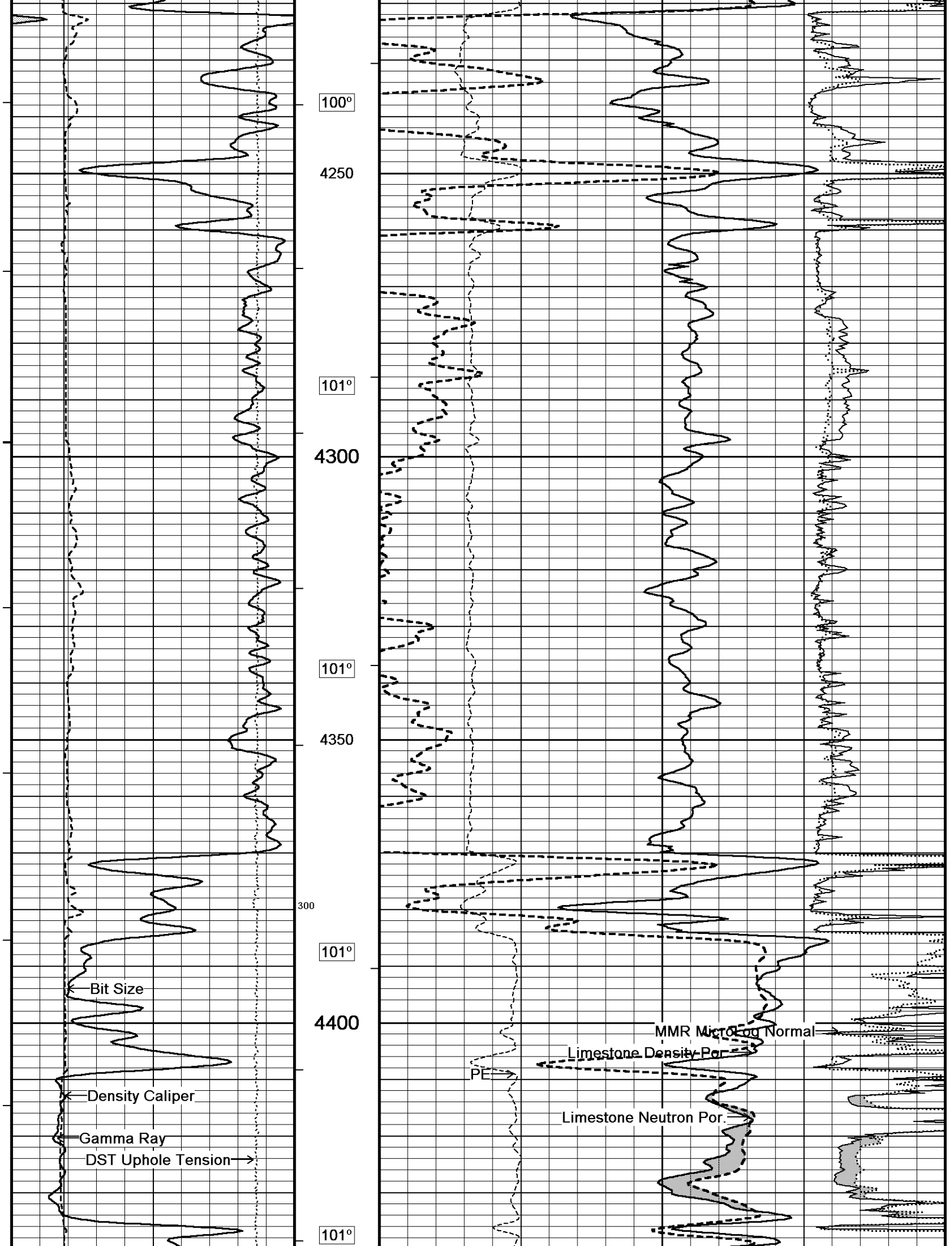
- OPERATOR: B. TOVAR, B. COPELAND.

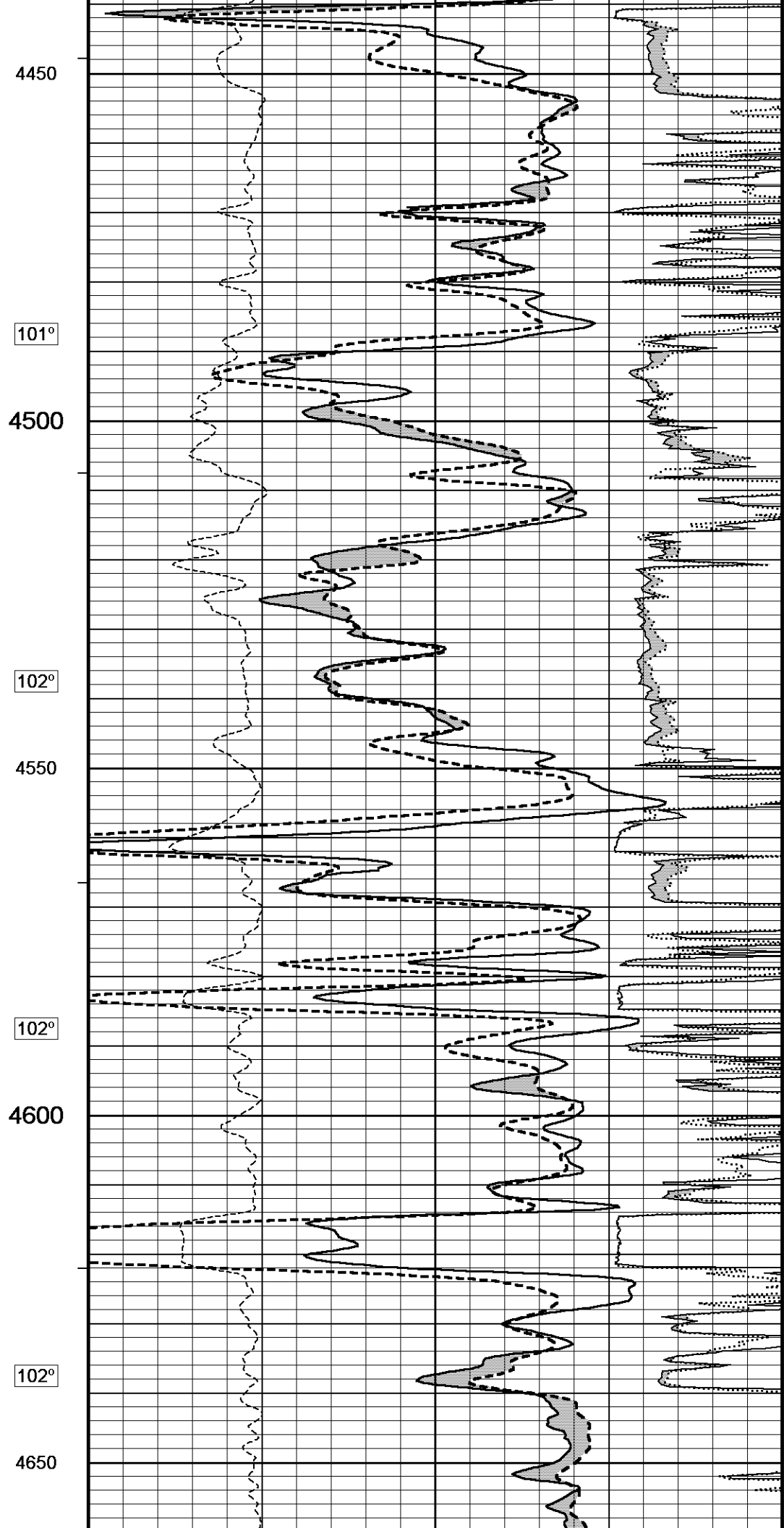
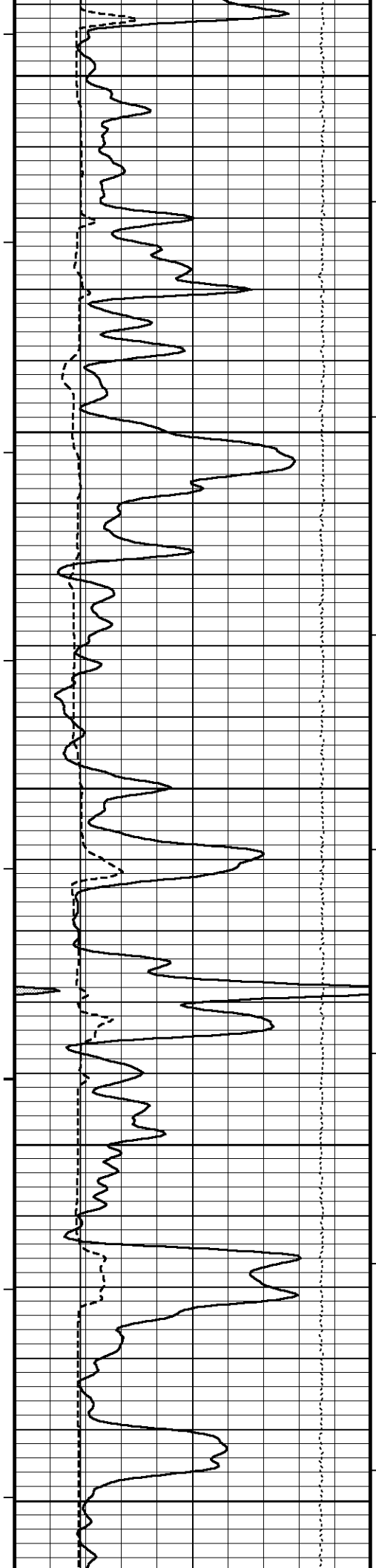
**** SP IS CYCLIC DUE TO AN UNKNOWN CAUSE, CHECKED SP FISH PLACEMENT AND CHECKED RIG FOR ANY KIND OF STRAY VOLTAGE AND COULD NOT FIND A CAUSE. ****

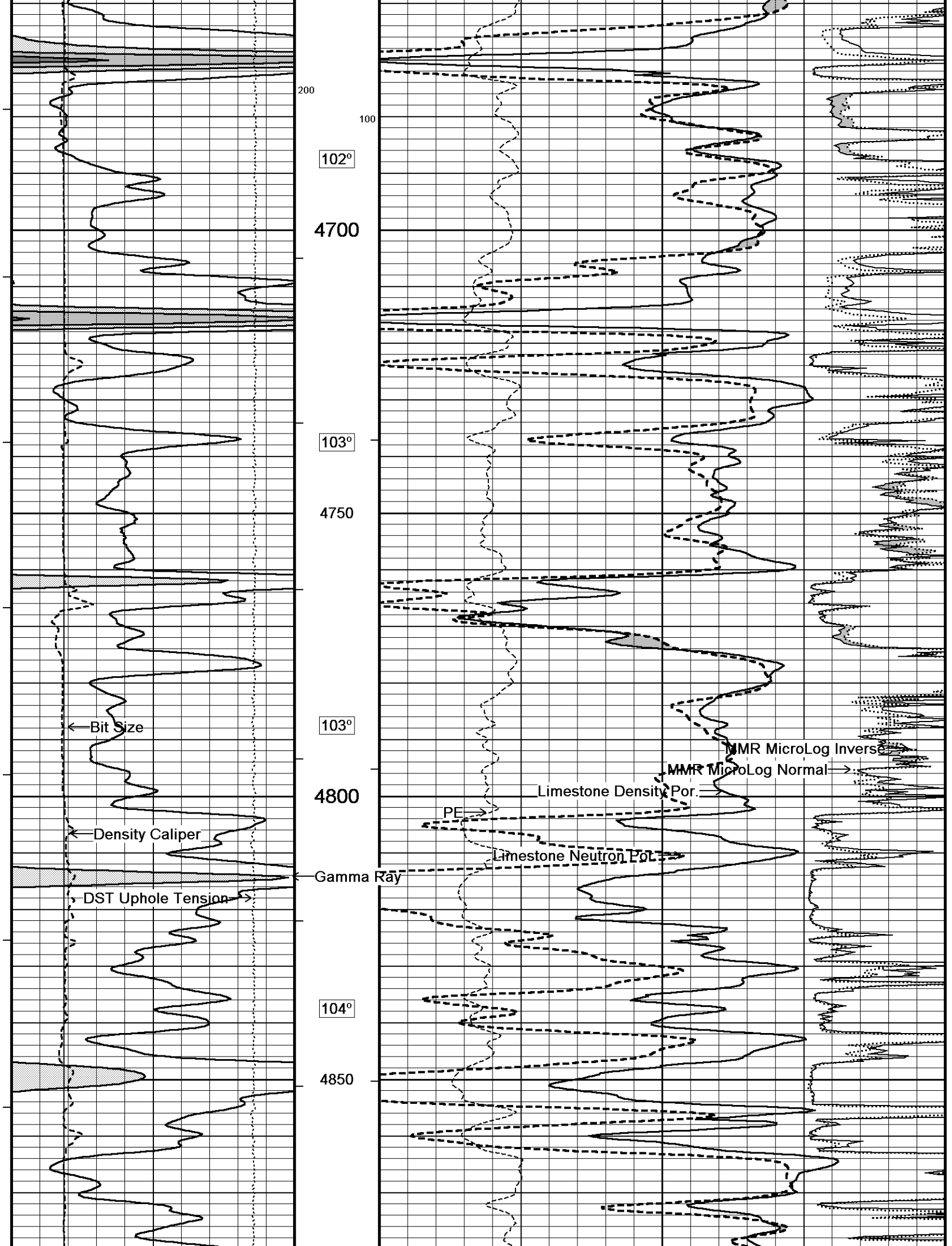
In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SERVICES.

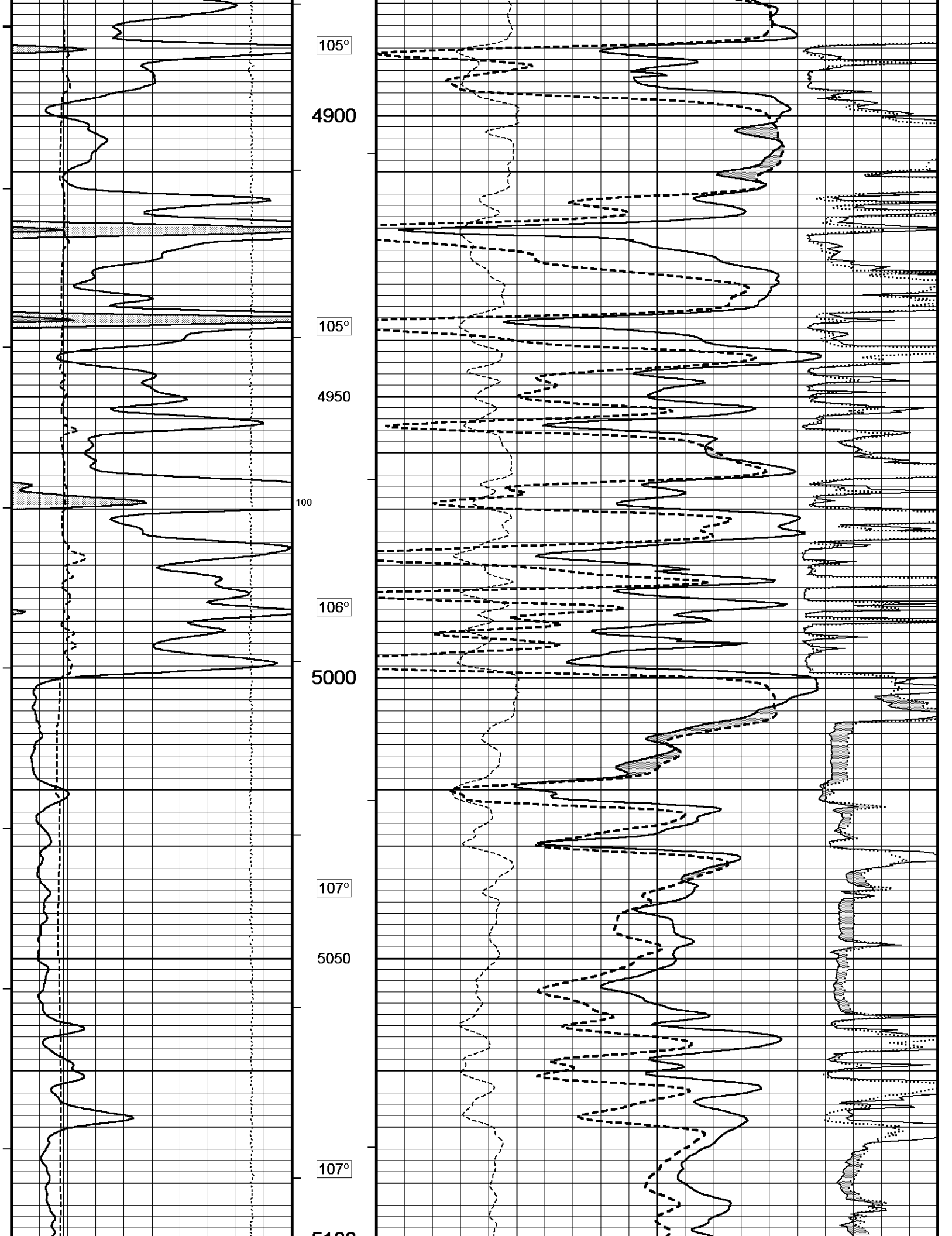


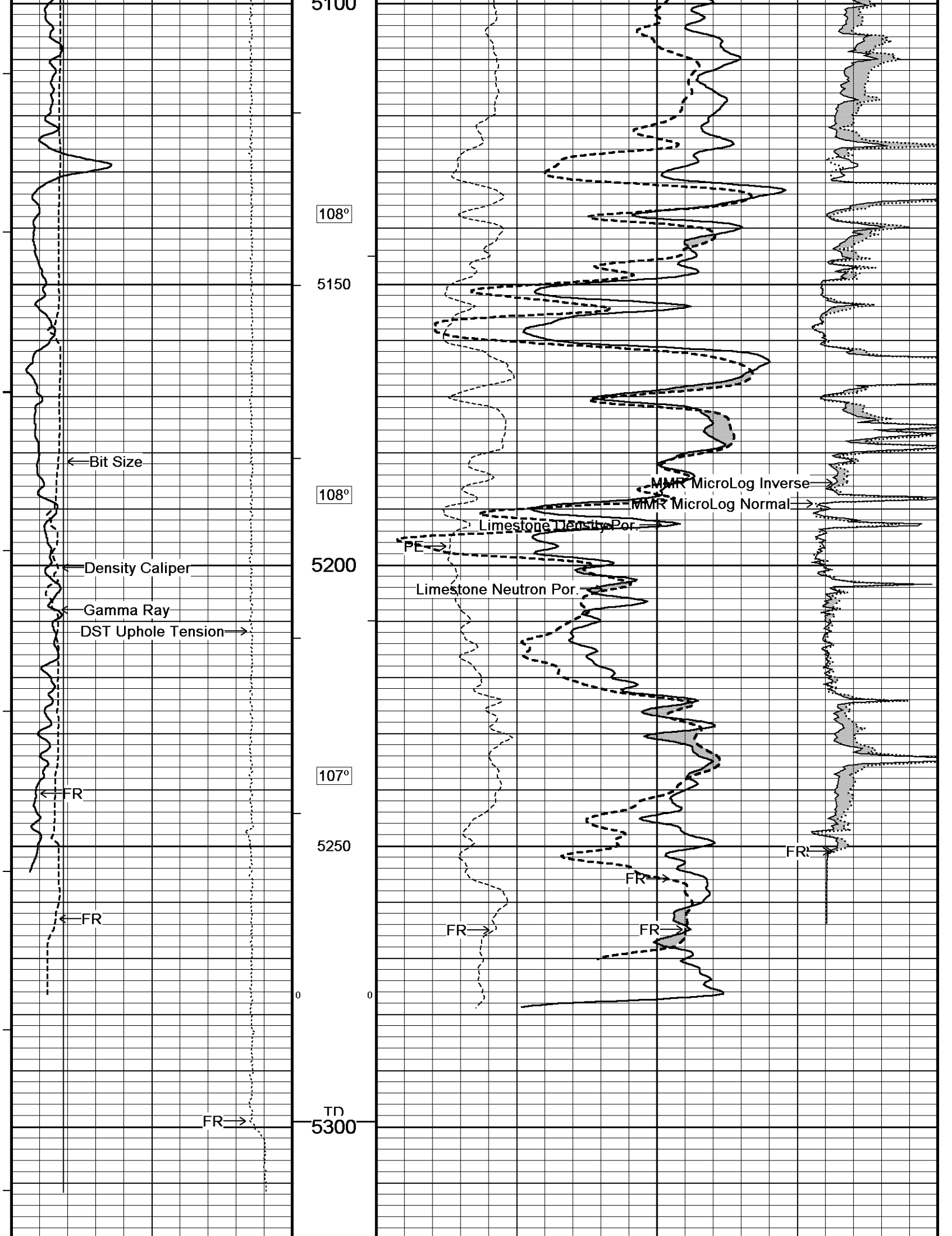


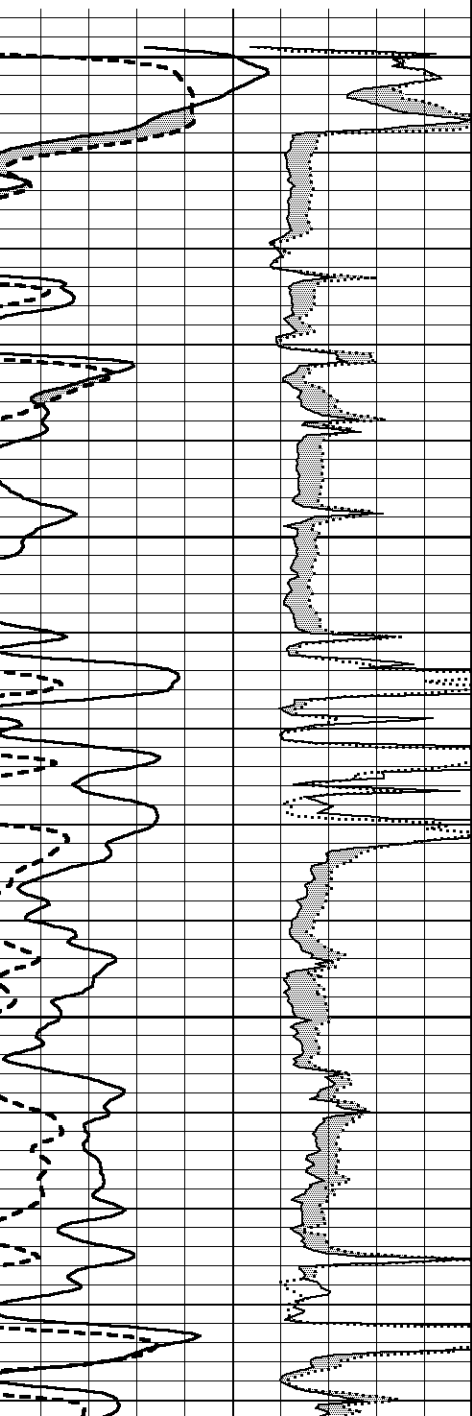
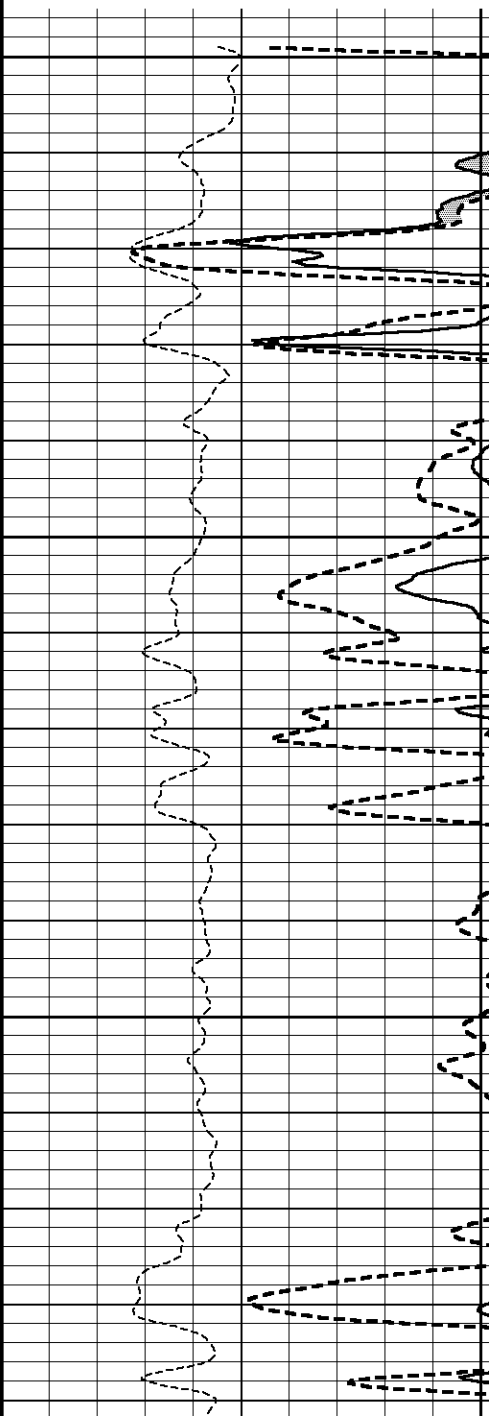
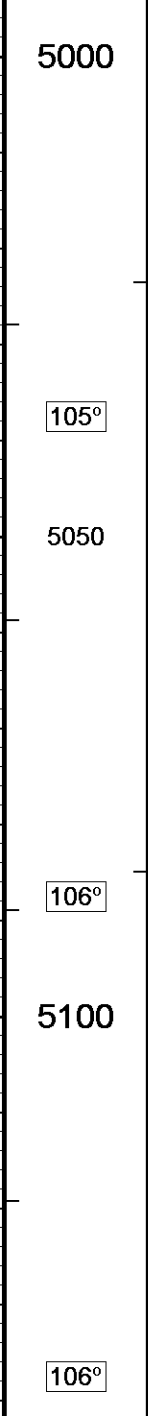
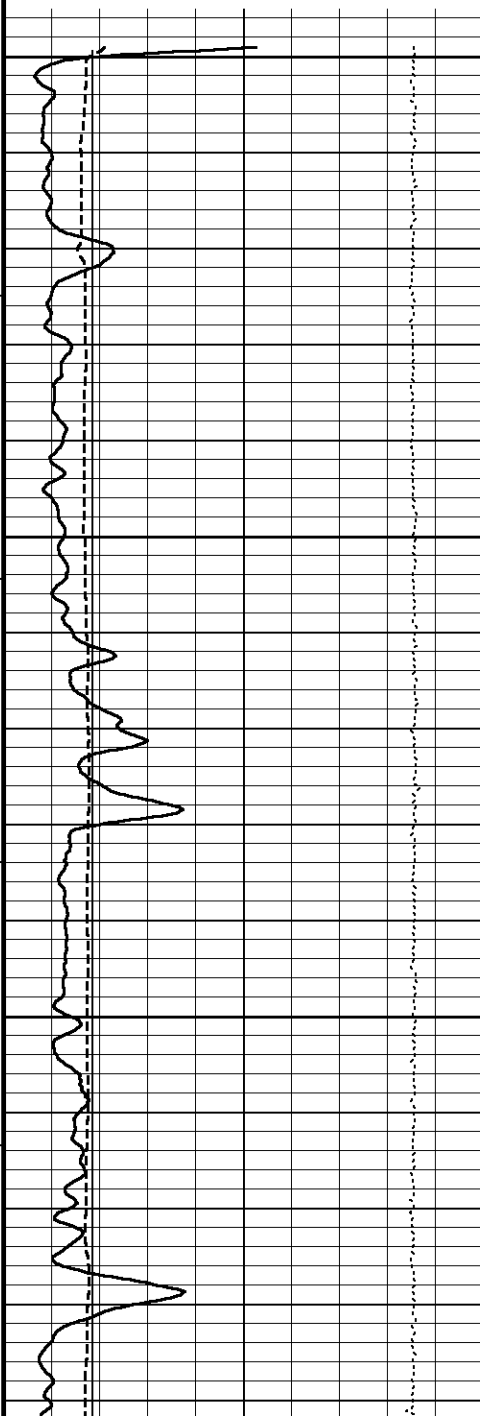
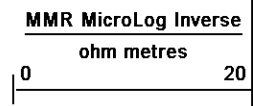
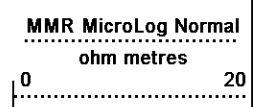
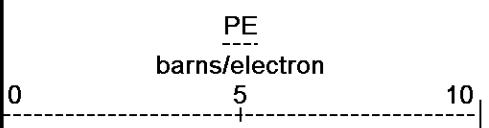
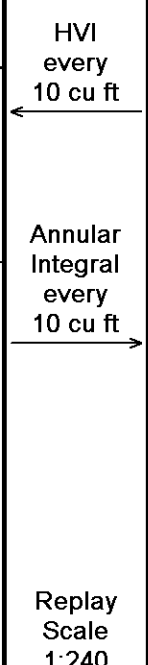
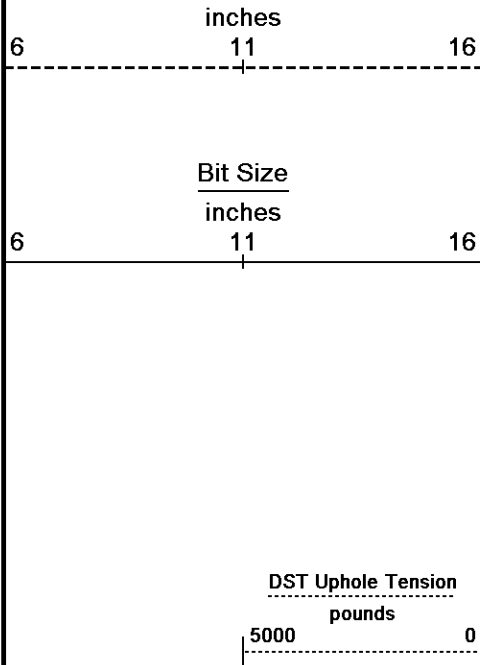












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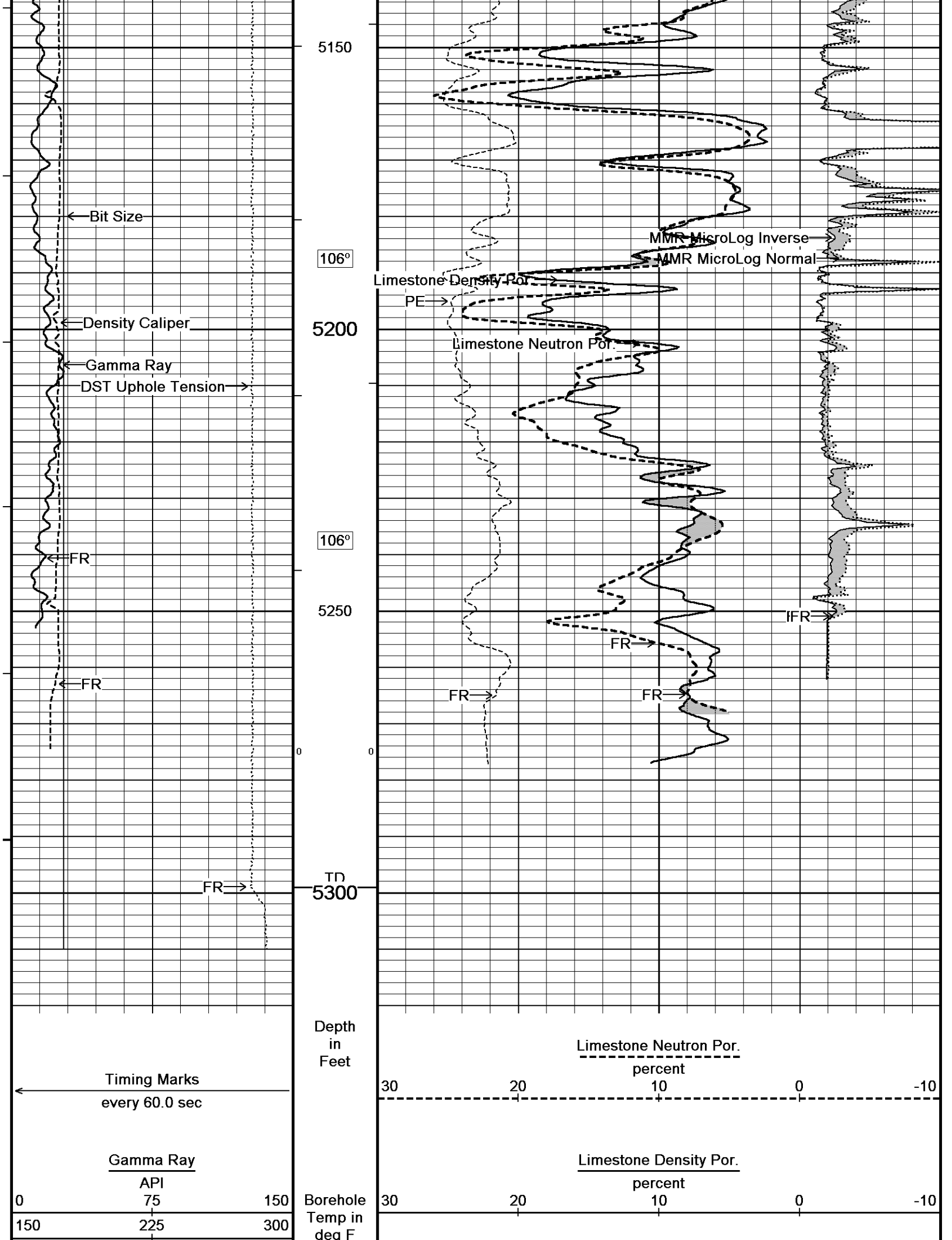
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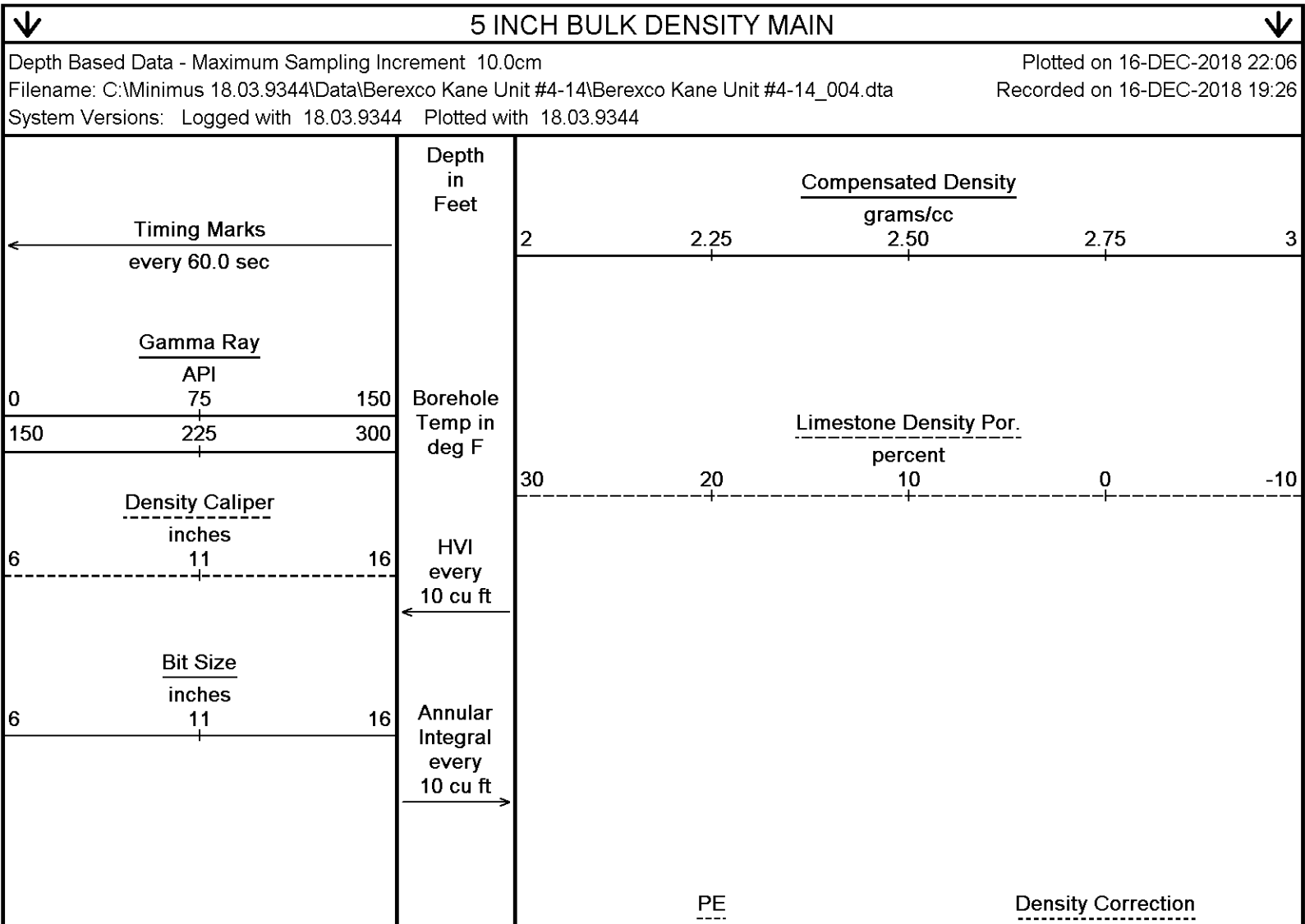
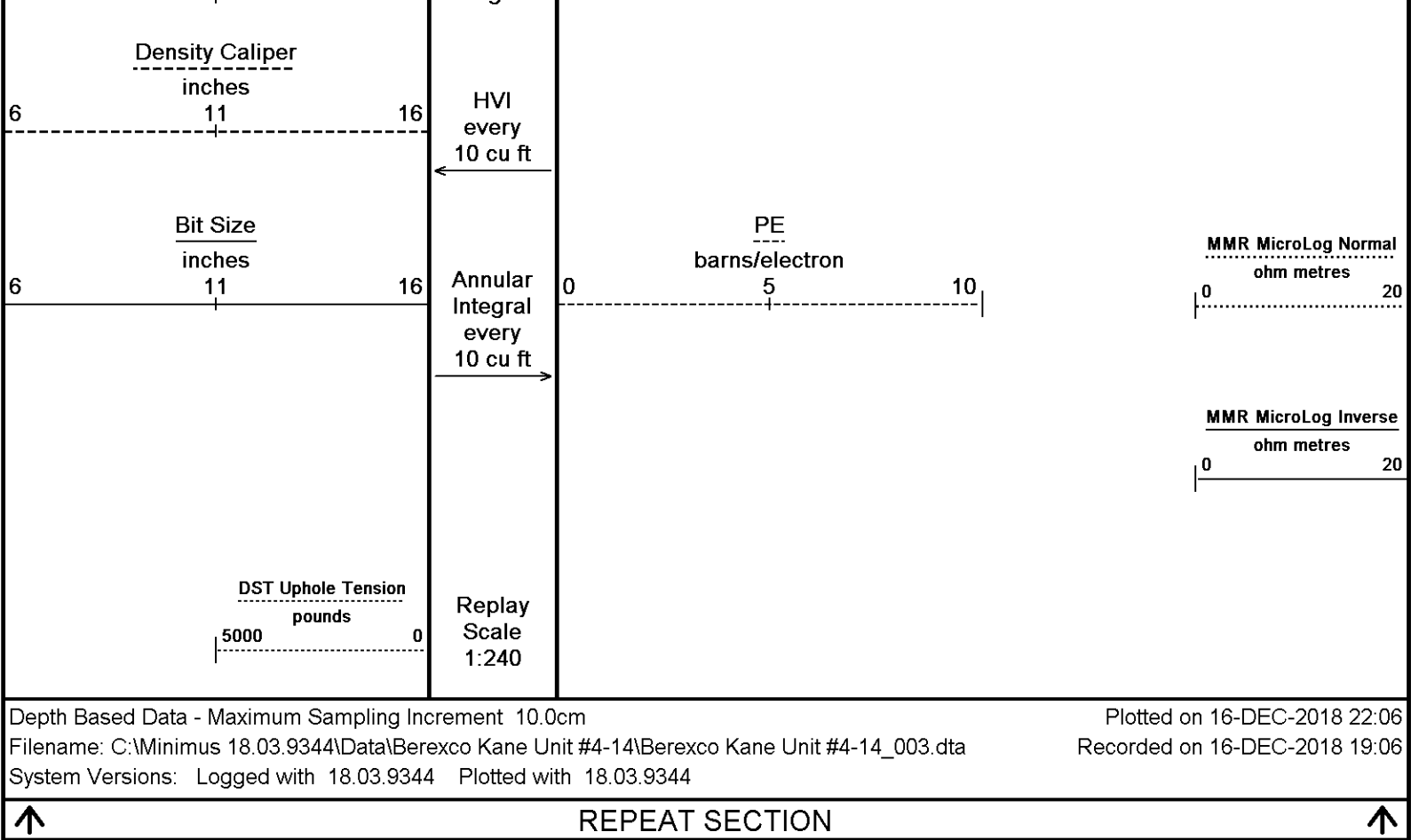
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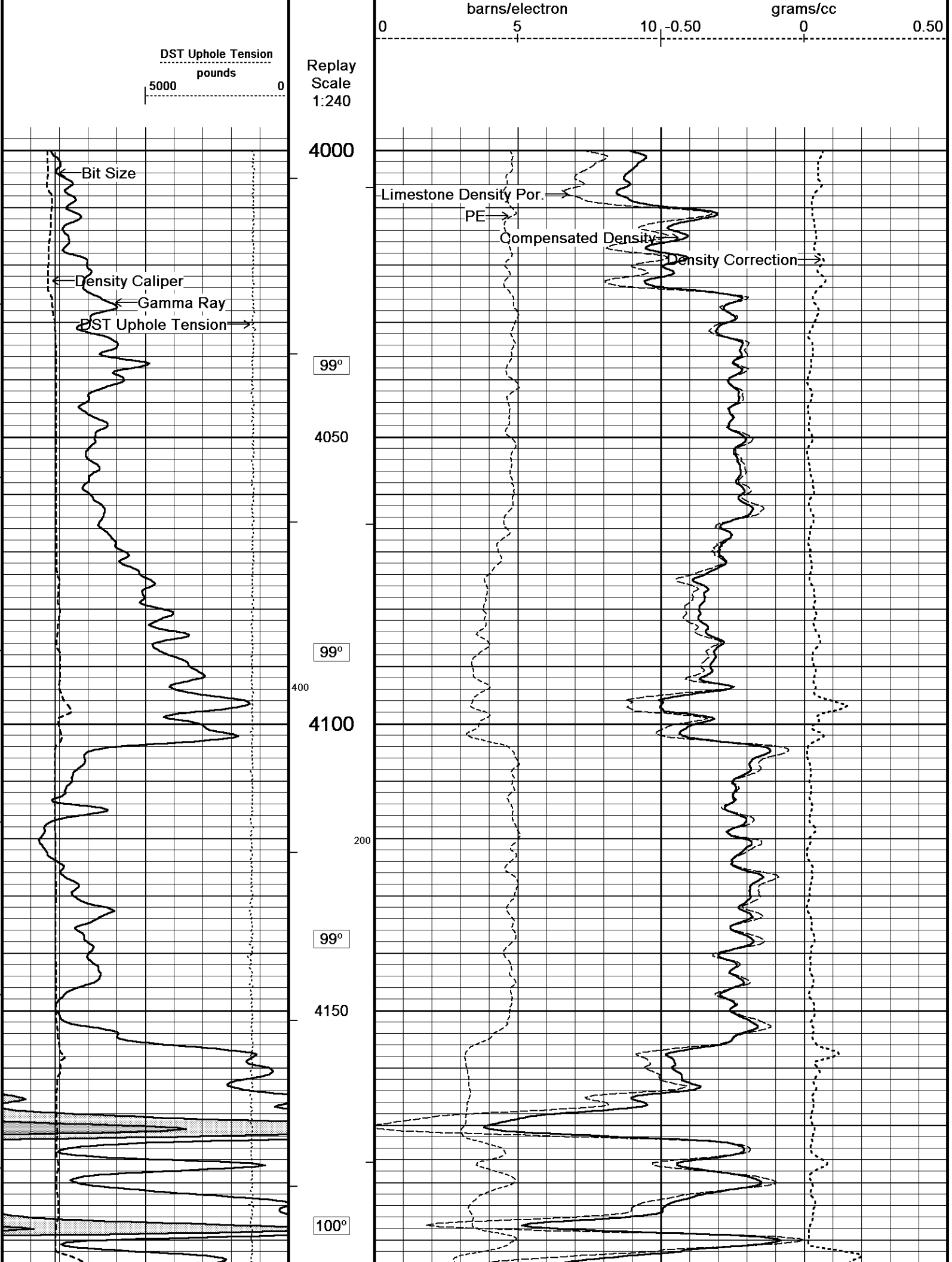
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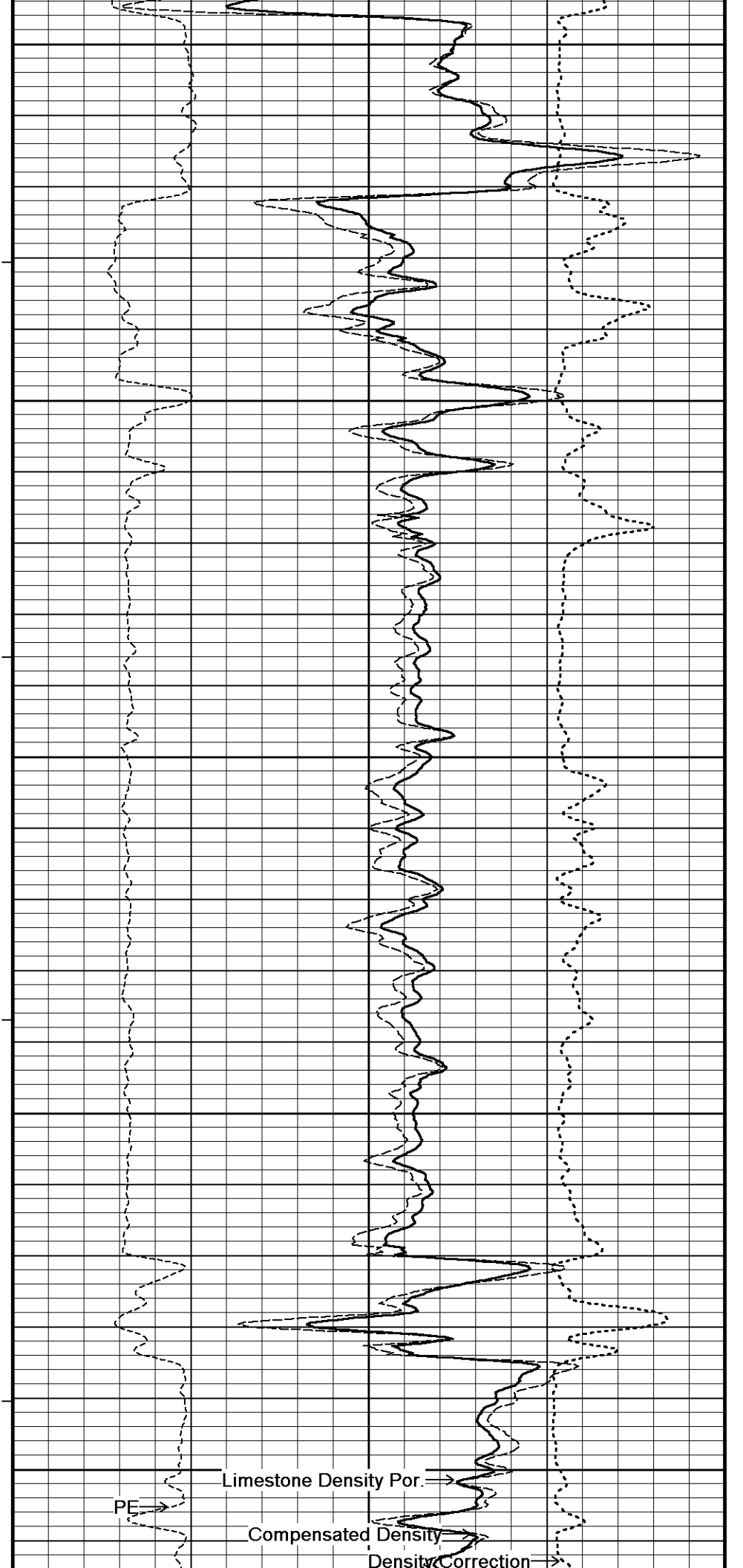
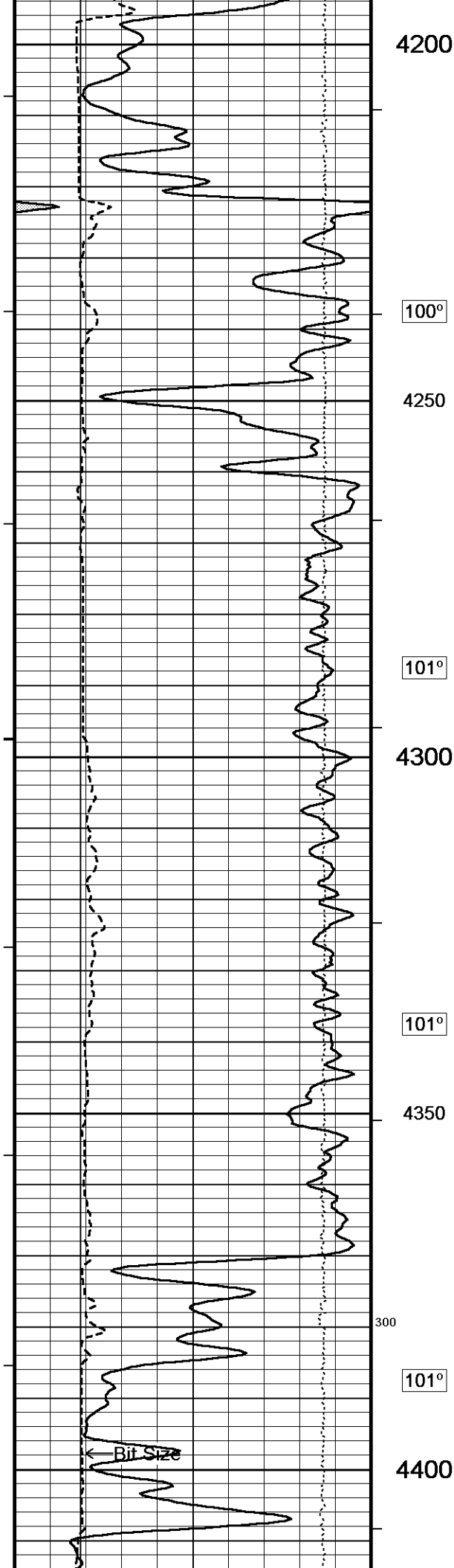
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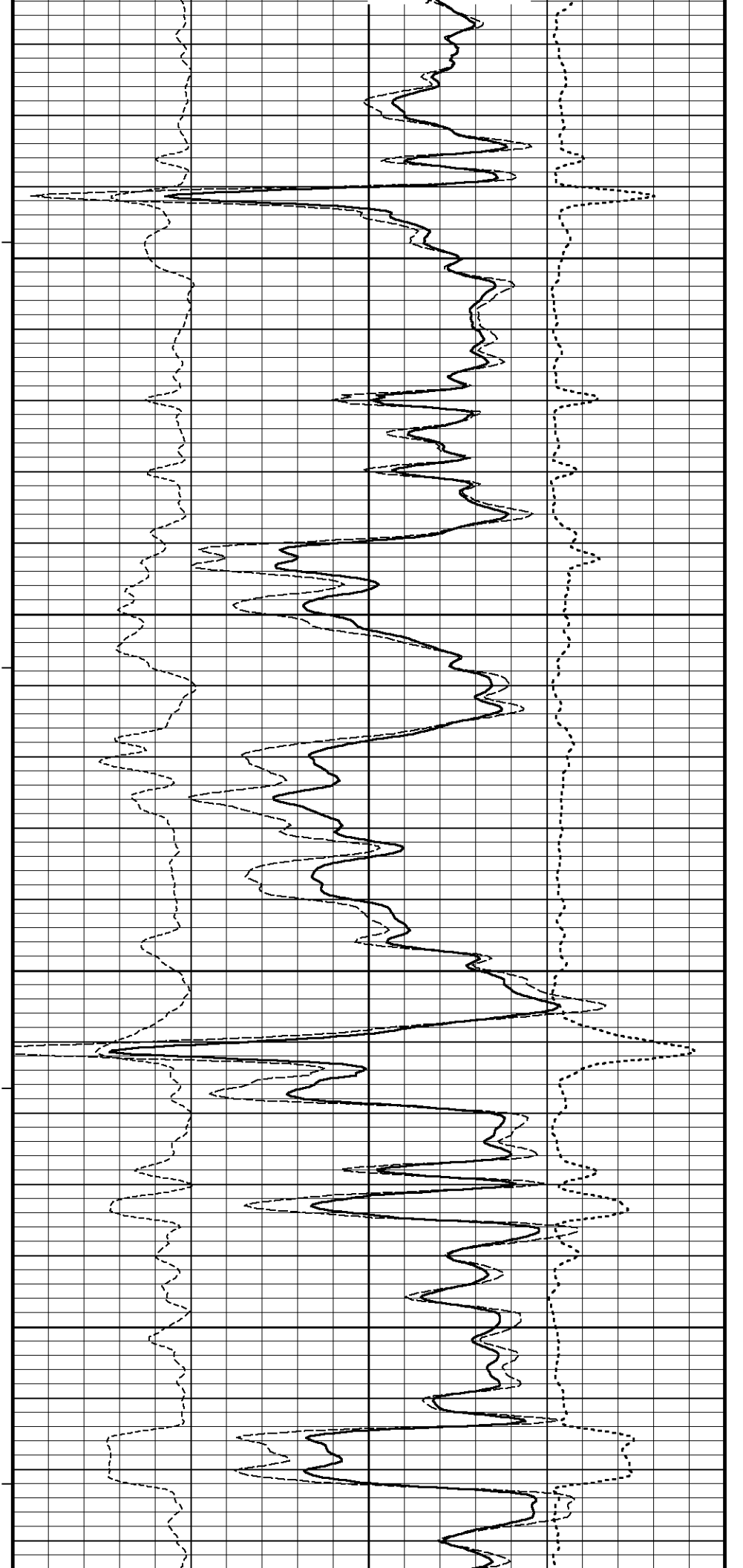
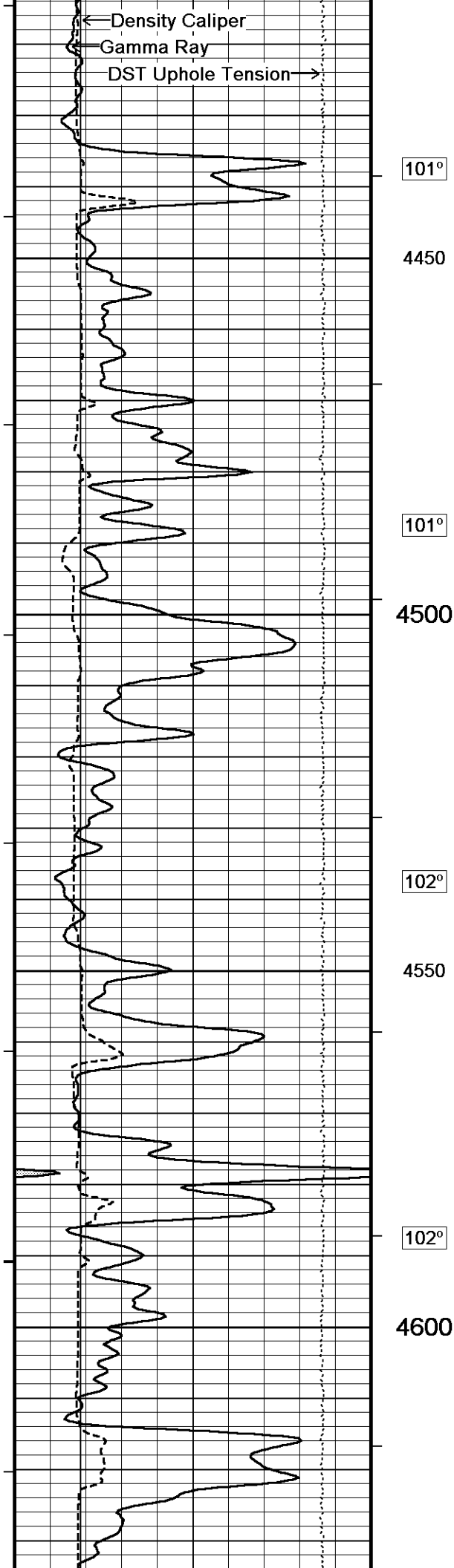
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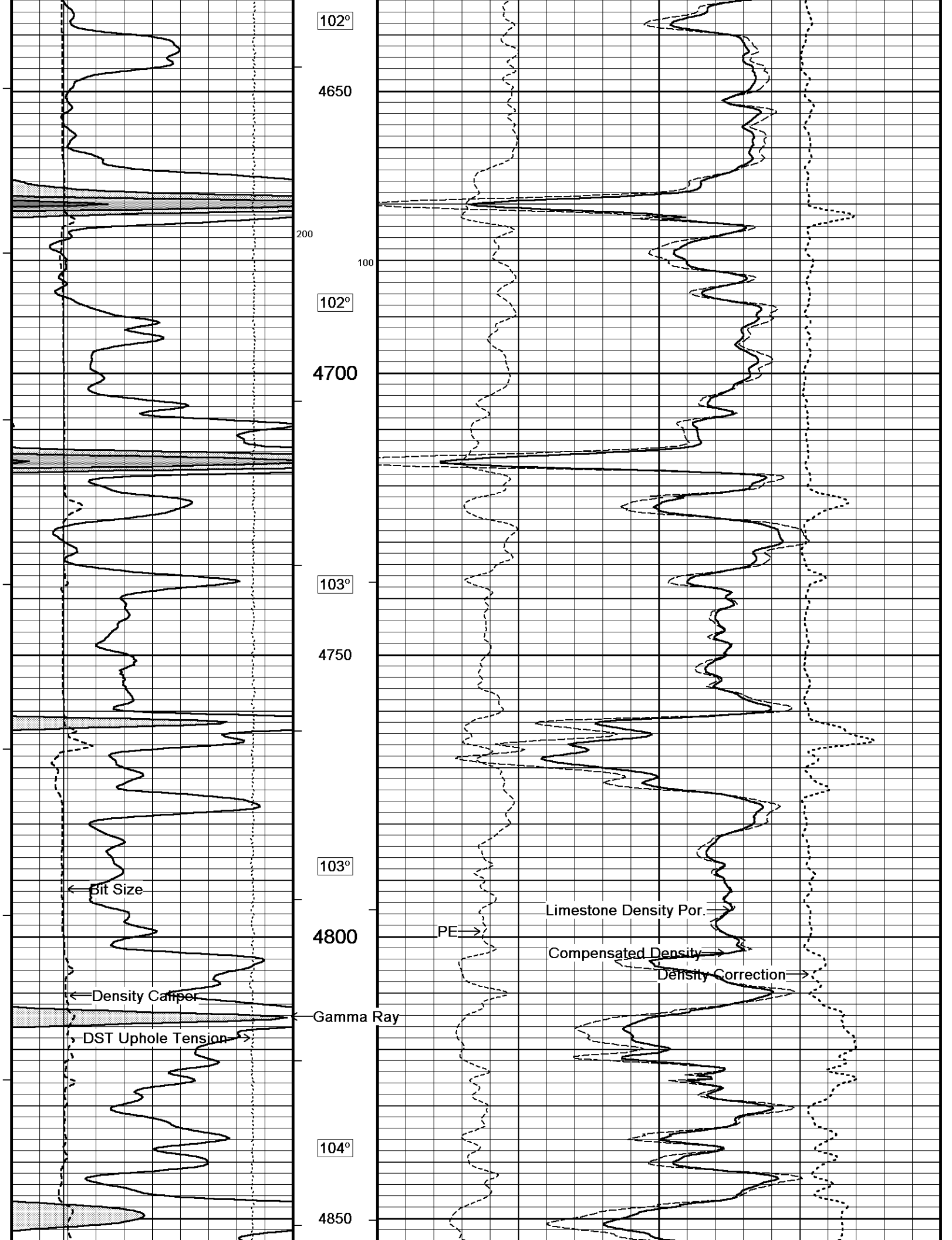


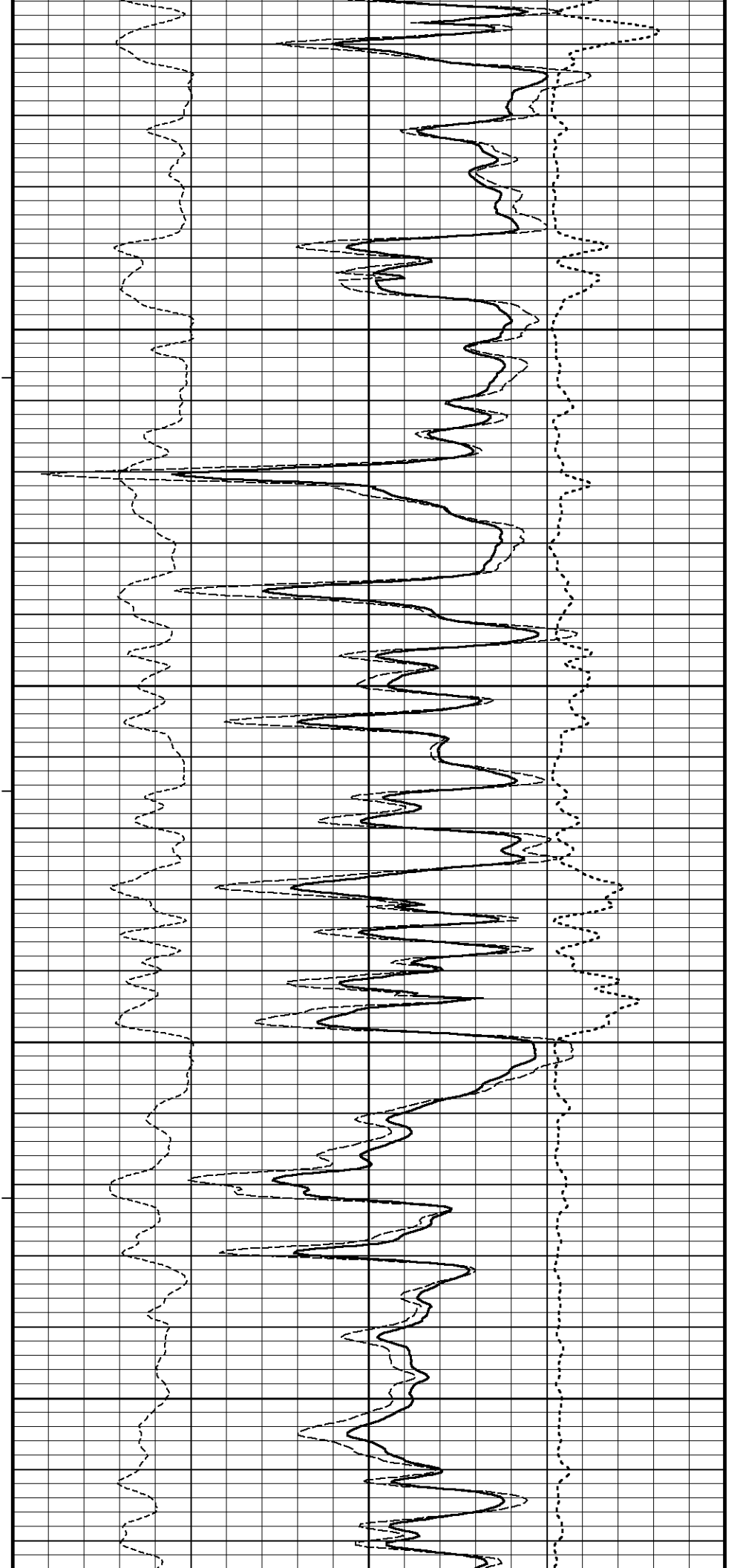
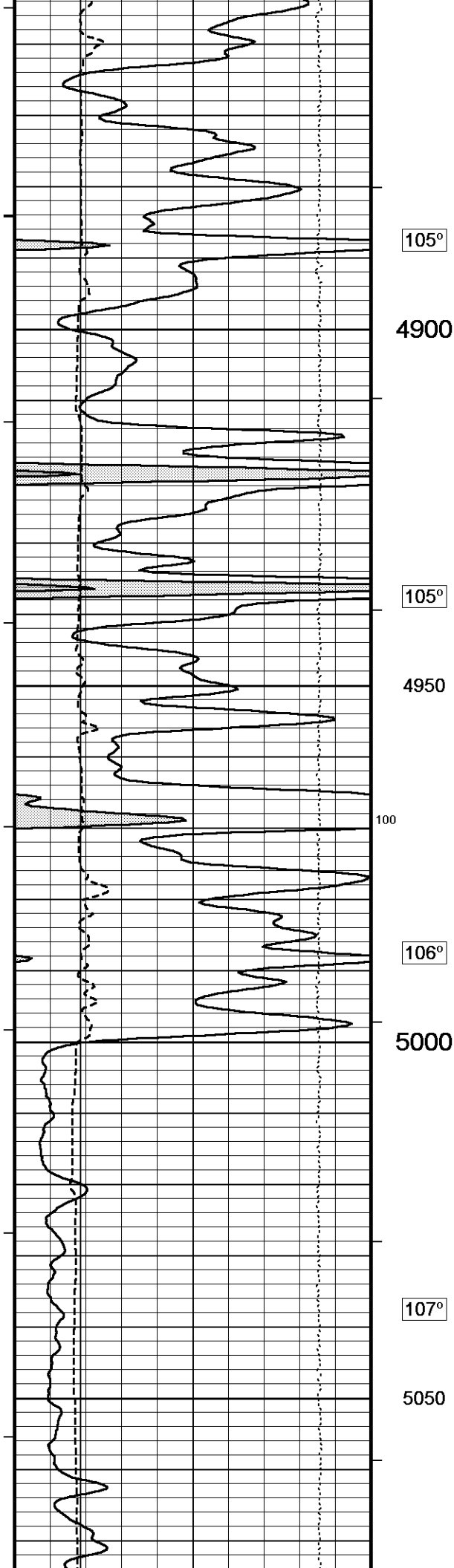


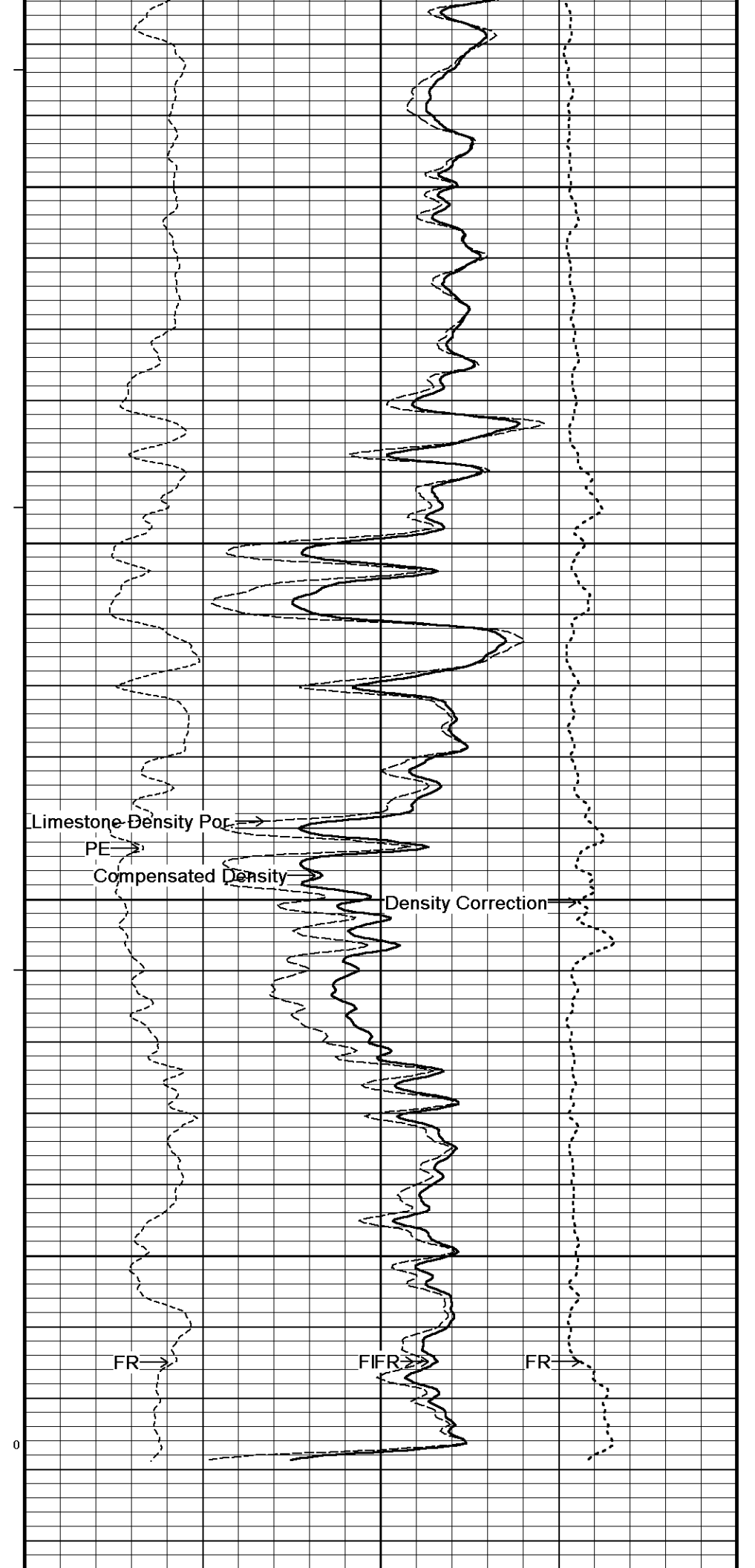
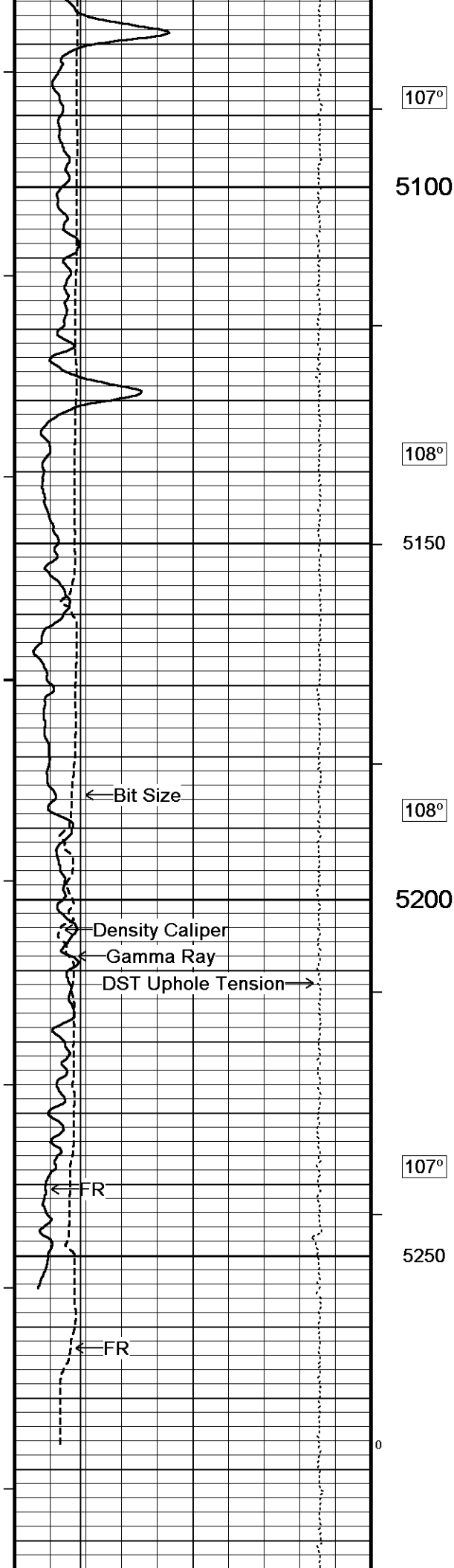


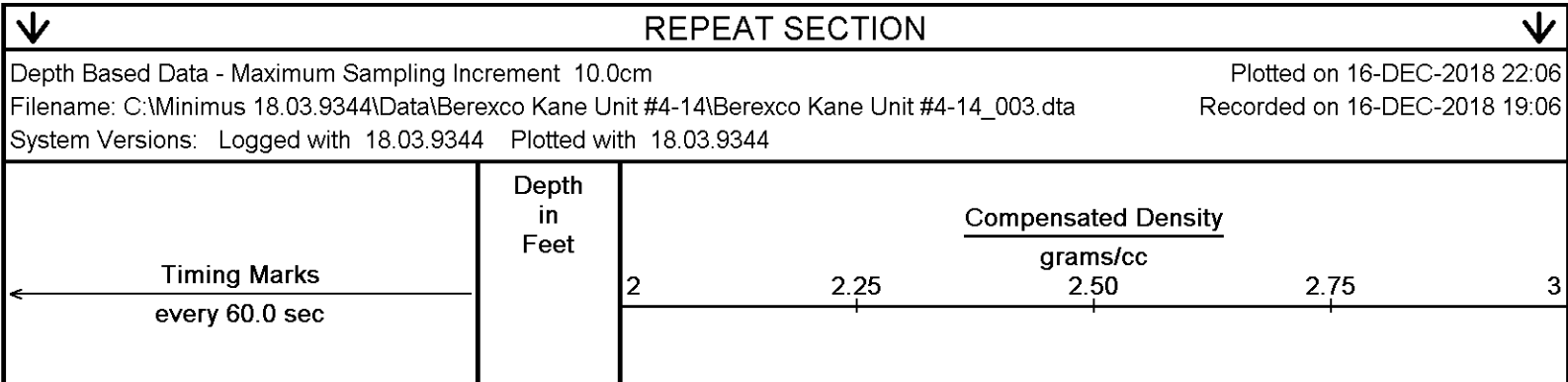
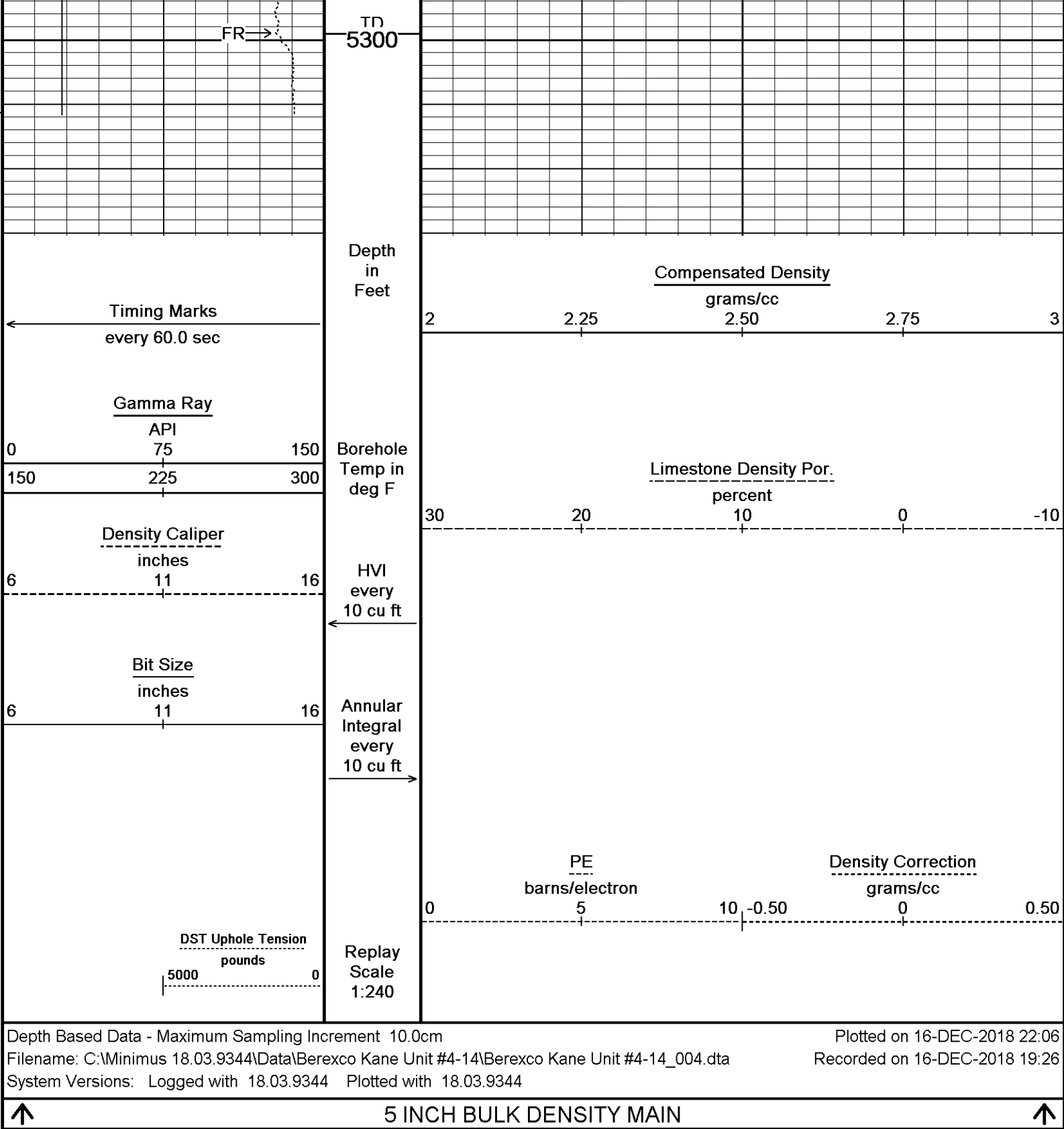


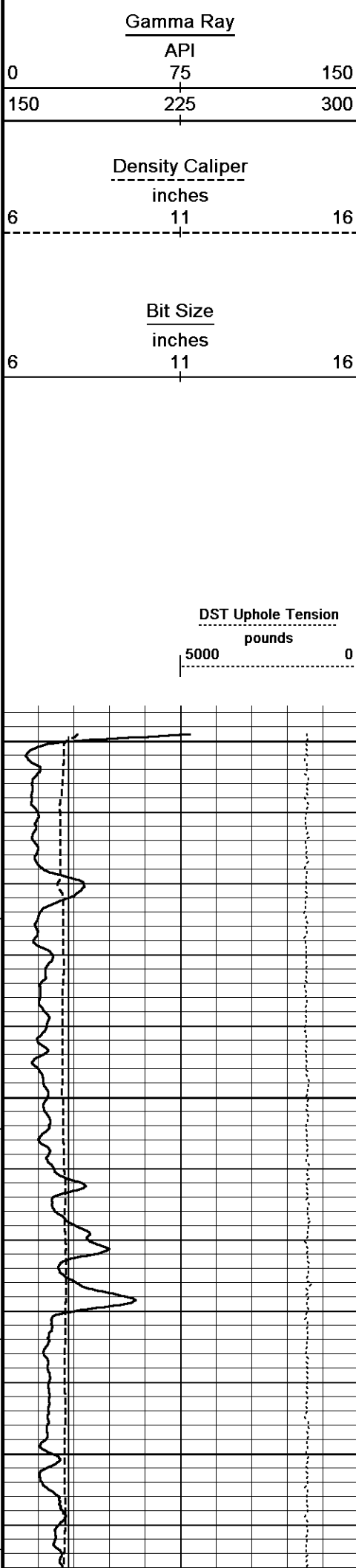












Borehole
Temp in
deg F

HVI
every
10 cu ft
←

Annular
Integral
every
10 cu ft
→

Replay
Scale
1:240

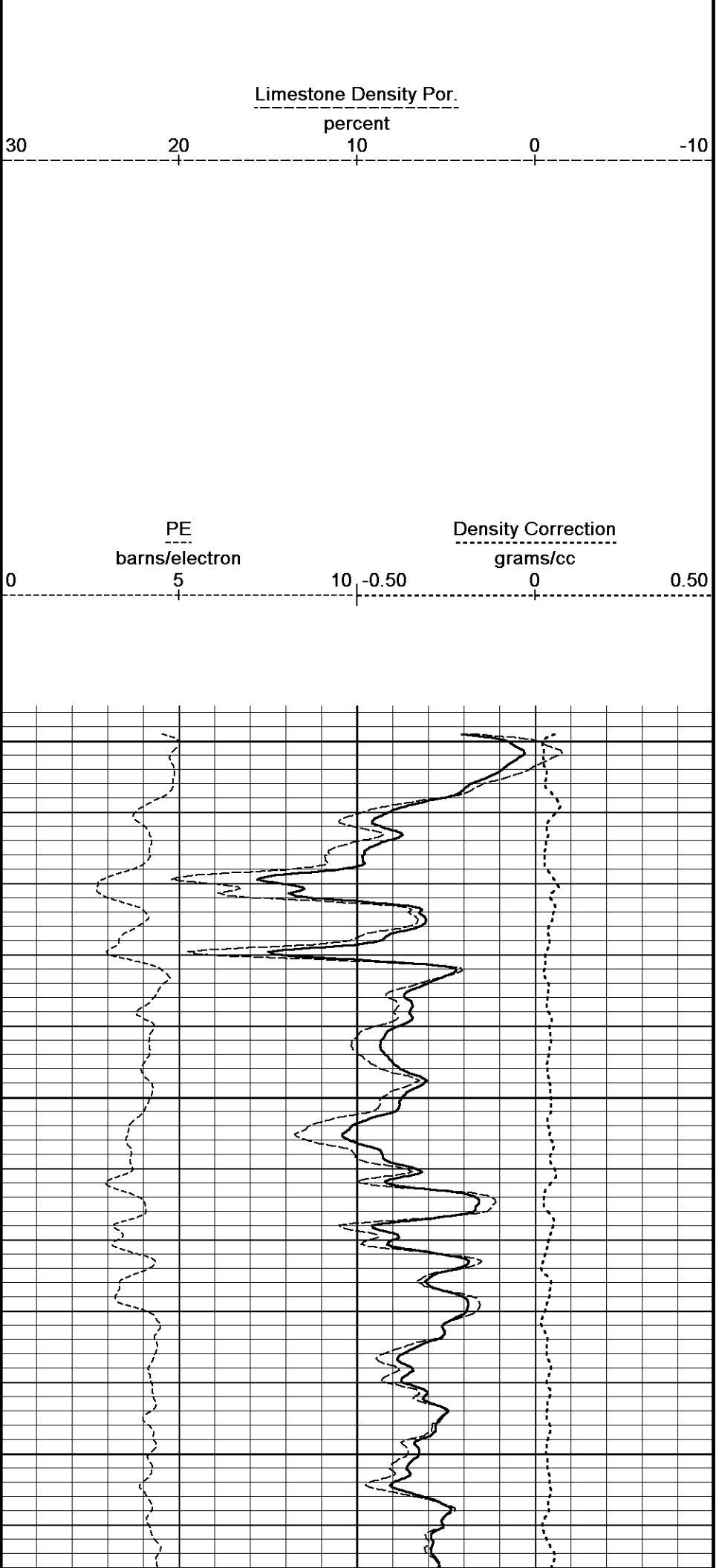
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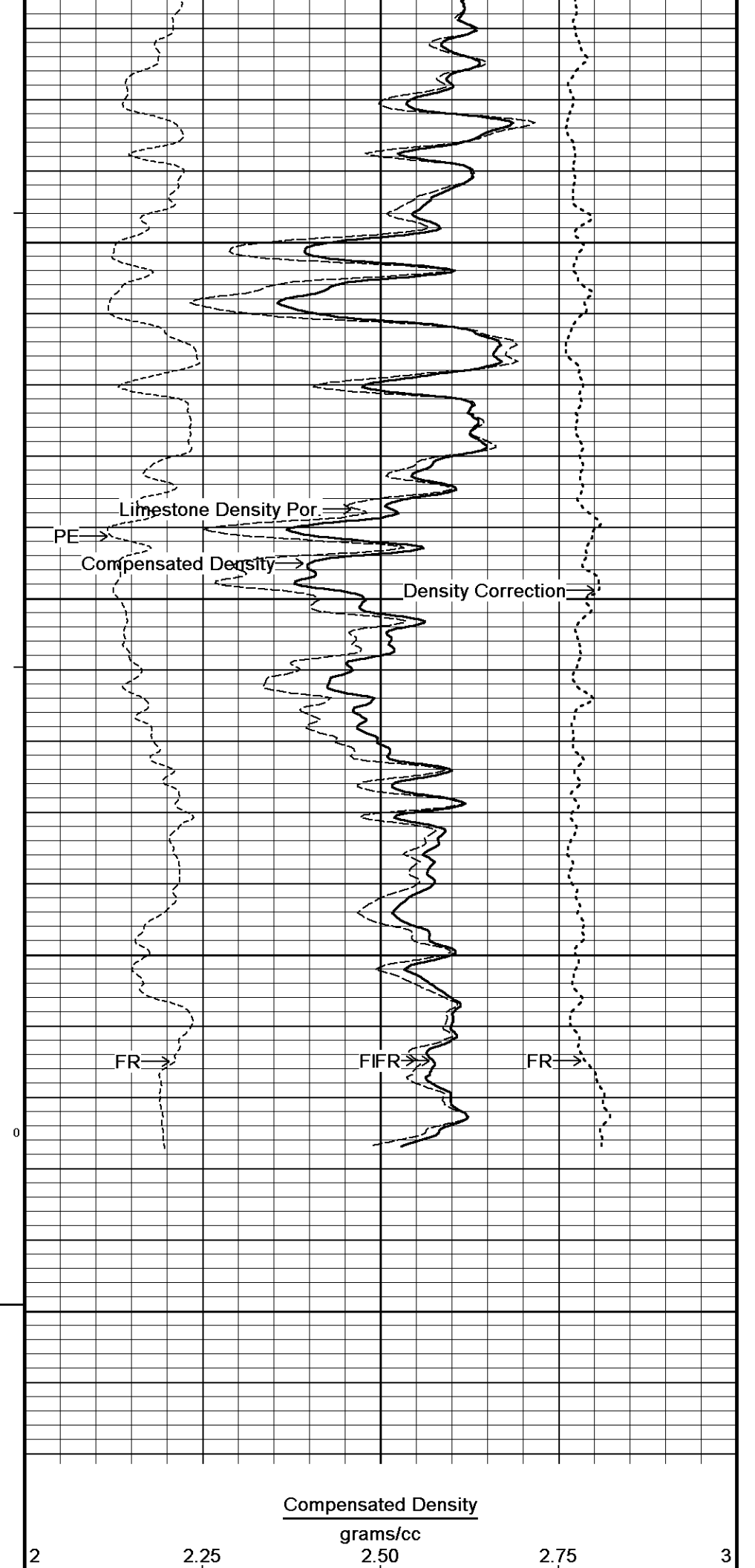
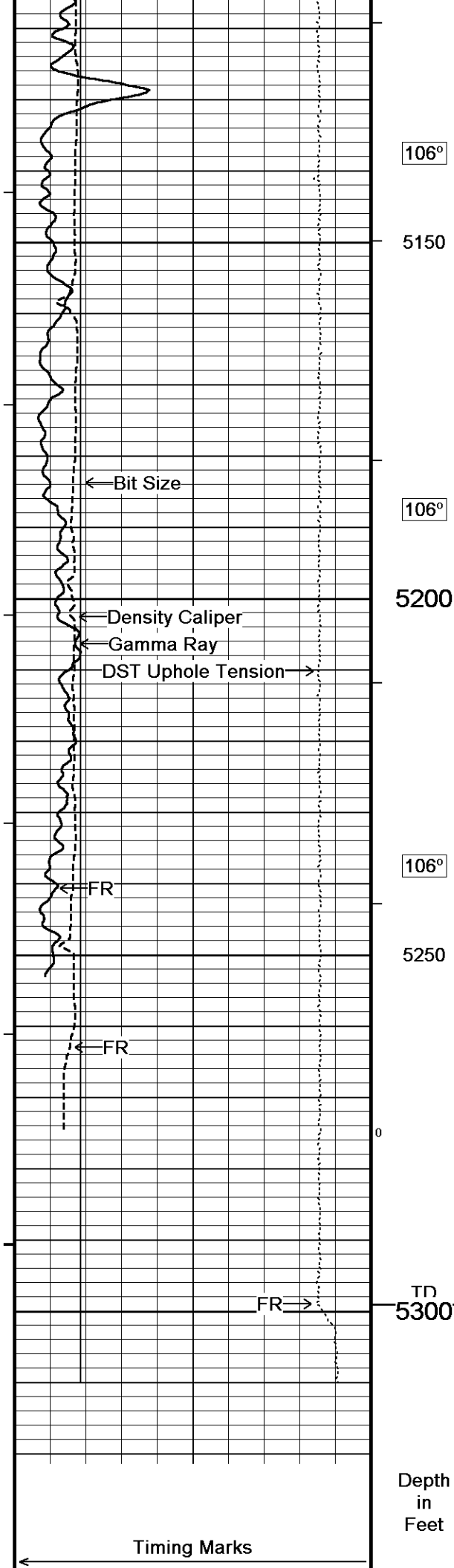
105°

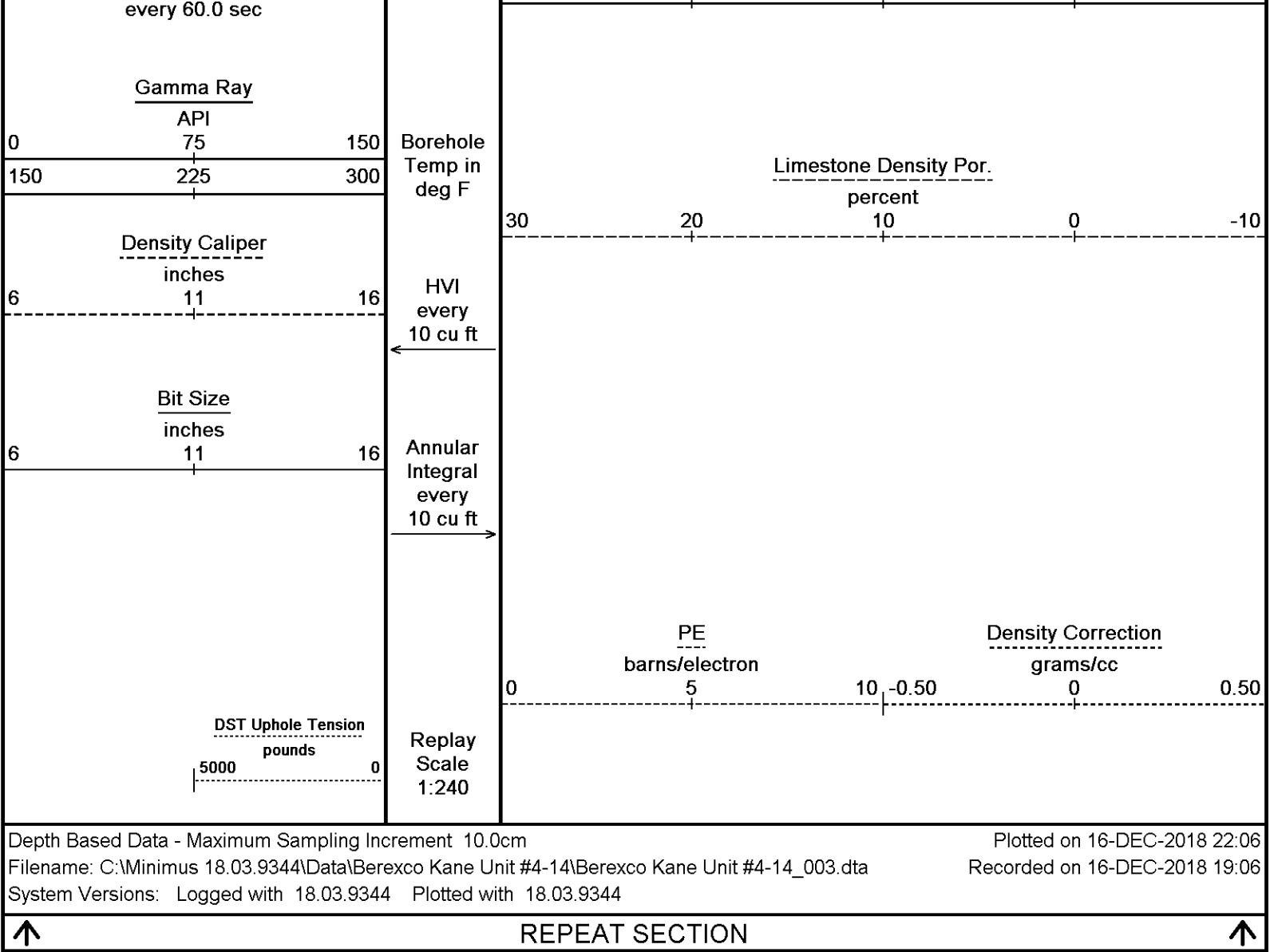
5050

106°

5100







BEFORE SURVEY CALIBRATION		
C:\Minimus 18.03.9344\Data\Berexco Kane Unit #4-14\Berexco Kane Unit #4-14_003.dta		
General Constants All 000		Last Edited on 16-DEC-2018,18:26
General Parameters		
Mud Resistivity	0.630	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	Density Caliper	
Rwa Parameters		
Porosity used	Crossplot Porosity	
Resistivity used	Array Ind. Two Res Rt	
RWA Constant A	0.620	
RWA Constant M	2.150	
SW/APOR Tool Source	0.000	
Down-hole Tension Calibration SMS 0		Field Calibration on 16-DEC-2018 18:04
Reading No	Measured	Calibrated (lbs)
1	15452.93	0.00

SP Calibration MCG-D.K 443

Field Calibration on 10-DEC-2018 15:37

	Measured	Calibrated (mV)
Reference 1	100.8	99.9
Reference 2	-98.4	-99.9

High Resolution Temperature Calibration MCG-D.K 443

Field Calibration on 12-OCT-2018,05:20

	Measured	Calibrated(Deg F)
Lower	50.00	50.00
Upper	212.00	212.00

High Resolution Temperature Constants MCG-D.K 443

Last Edited on 12-OCT-2018,05:20

Pre-filter Length 11

Gamma Calibration MCG-D.K 443

Field Calibration on 16-DEC-2018 12:32

	Measured	Calibrated (API)
Background	105	74
Calibrator (Gross)	758	530
Calibrator (Net)	653	456

Gamma Calibration Tolerances MCG-D.K 443

 Ratio 1.431  Counts/API

The bar chart shows a ratio of 1.431. The scale ranges from 1.40 to 1.55, with major ticks at 1.40, 1.475, and 1.55. The bar is filled with black, indicating the measured value is within the tolerance range.

Gamma Constants MCG-D.K 443

Last Edited on 16-DEC-2018,15:50

Gamma Calibrator Number MCGGRCC141
 GRC-M Calibrator Jig in Use? NO
 Inactive Background Jig in Use? NO
 Mud Density 1.12 gm/cc
 Caliper Source for Processing Density Caliper
 Tool Position Eccentred
 Potassium Equivalence Chloride
 K Mud Concentration 0.00 %

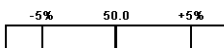
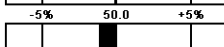
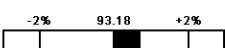
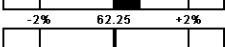
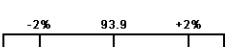
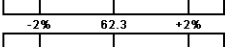
Micro Normal and Micro Inverse Calibration MMR-B.A 91

Base Calibration on 04-DEC-2018 12:12

Field Check on 16-DEC-2018 12:15

	Resistor 1 (ohm)	Resistor 2 (ohm)
Base Calibration	10.0	50.0
	Measured	Calibrated (ohm-m)
Micro Normal	10.4 49.9	5.1 25.6
Micro Inverse	9.9 49.4	3.4 16.9
Channel	Base Check (ohm-m)	Field Check (ohm-m)
Micro Normal	93.9	93.9
Micro Inverse	62.3	62.3

Micro Normal & Micro Inverse Calibration Tolerance MMR-B.A 91

Micro Normal Res. 1	10.4		ohm	Micro Normal Res. 2	49.9		ohm
Micro Inverse Res. 1	9.9		ohm	Micro Inverse Res. 2	49.4		ohm
Micro Normal Base Check	93.9		ohm-m				
Micro Inverse Base Check	62.3		ohm-m				
Micro Normal Field Check	93.9		ohm-m				
Micro Inverse Field Check	62.3		ohm-m				

Micro Normal and Micro Inverse Constants MMR-B.A 91

Last Edited on 13-APR-2018,05:04

Pad Type 8-12 in Soft Rubber Inflatable 006-9011-159
 Micro Normal K Factor 0.5110
 Micro Inverse K Factor 0.3380
 Standoff Offset 0.0000 inches

Base Calibration

Reading No

Measured

Calibrator Size (in)

1	14099	5.98
2	17485	7.97
3	20790	9.86
4	24525	11.92
5	0	0.00
6	N/A	N/A

Field Calibration

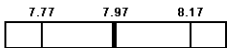
Measured Caliper (in)

Actual Caliper (in)

7.95

7.97

Caliper Calibration Tolerances MMR-B.A 91

Short Arm Field Cal. 7.95  in

Micro-Resistivity Caliper Constants MMR-B.A 91

Sonde Configuration

Resistivity Mode

Micro Laterolog Calibration MMR-B.A 91

Base Calibration on 31-DEC-1999 00:00

Field Check on 31-DEC-1999 00:00

Base Calibration	Resistor 1 (ohm)		Resistor 2 (ohm)	
	0.0		0.0	
	Measured		Calibrated (ohm-m)	
	Ref 1	Ref 2	Ref 1	Ref 2
	0.0	0.0	0.0	0.0
	Base Check (ohm-m)		Field Check (ohm-m)	
	0.0		0.0	

Micro Laterolog Constants MMR-B.A 91

Pad Type	6 in Solid Nylon B23059		
Standoff Offset	0.0000	inches	
Micro Laterolog K Factor	0.0128		
Micro Laterolog Rm K Factor	N/A		
Mudcake Thickness Correction Constants			
Mud Cake Source	Constant Value		
Mud Cake Thickness	0.4000	inches	
Mud Cake Thickness Caliper			
Mud Cake Resistivity	0.1500	ohm-m	
Mud Cake Resistivity Temp.	20.00	Degrees C	
Mud Cake Resistivity Source	Constant Value		
Temp. for Rmc Corr.	MCG External Temperature		

Neutron Calibration MDN-B.A 292

Base Calibration on 04-DEC-2018,13:14

Field Check on 16-DEC-2018 12:19

Base Calibration

Ratio	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	2910	91	3714	110
	31.871		33.764	

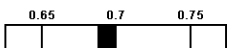
Field Calibrator at Base

Ratio	Calibrated (cps)	
	2207	3209
	0.688	

Field Check

Ratio	Calibrated (cps)	
	2208	3237
	0.682	

Neutron Calibration Tolerances MDN-B.A 292

Ratio 31.871 Base Check 0.688 

Field Check

0.682



Neutron Constants MDN-B.A 292

Last Edited on 16-DEC-2018,15:50

Neutron Source Id	P0204NN	
Neutron Jig Number	NJ5736	
Air Hole Processing	Legacy	
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	None	
Formation Pressure	N/A	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-B.J 352

Base Calibration on 04-DEC-2018 11:51
Field Check on 16-DEC-2018 12:06

	Resistor 1 (ohm)	Resistor 2 (ohm)
	0.0	1000.0
Base Calibration		
	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	982.1	126.8
Base Check		276.0
Field Check		276.0

FE Calibration Tolerances MFE-B.J 352

Reference 2	982.1		ohm
Base Check	276.0		ohm-m
Field Check	276.0		ohm-m

FE Constants MFE-B.J 352

Last Edited on 16-DEC-2018,15:50

Running Mode	No Sleeve	
MFE K Factor	0.1268	
Borehole Correction Constants		
Sonde Position	0.5	inches
Hole Size Source	Density Caliper	
Hole Size Constant Value	N/A	inches
Rm Source	Global Value: Temperature Corrected	
Temp. for Rm Corr.	MCG External Temperature	

Sonic Constants MSS-C.K 319

Last Edited on 08-JUL-2018,09:57

Maximum Boundary Contrast	70.00	micro-sec/ft
Fluid Transit Time	189.00	micro-sec/ft
Limestone Transit Time	47.50	micro-sec/ft
Sandstone Transit Time	55.50	micro-sec/ft
Dolomite Transit Time	43.50	micro-sec/ft
Sonic used for Porosities	3-5' Compensated	
Correction for Sonde Skew	Applied	
Cycle Stretch Algorithm	Applied	
MN3FT	0.00	micro-sec
MX3FT	1500.00	micro-sec
Hunt-Raymer Constant	83.13	micro-sec/ft

Sonde Mode
Hole Type

Compensated
Open Hole

Sonde Parameters

	Measured	Calibrated
Offset		0.0000
Free Pipe	0.0000	

Peak Amplitude Source

Waveform	Start Time (micro-sec)	Width (micro-sec)	Pre Gain	Start Gain	Discriminator (mV)
3'	N/A	N/A	N/A	N/A	N/A
4'	N/A	N/A	N/A	N/A	N/A
5'	N/A	N/A	N/A	N/A	N/A
6'	N/A	N/A	N/A	N/A	N/A

Processed Fixed Gate Parameters

Waveform Used For Processing	N/A			
Start Time (micro-sec)	End Time (micro-sec)	Discriminator (mV)	Depth (ft)	
0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	

Full Waveform Parameters

Use 3' Waveform to derive TR	No	
Use 4' Waveform to derive TR	No	
Use 5' Waveform to derive TR	No	
Use 6' Waveform to derive TR	No	
3' Waveform Discriminator Level	0.30	mV
4' Waveform Discriminator Level	0.30	mV
5' Waveform Discriminator Level	0.15	mV
6' Waveform Discriminator Level	0.15	mV
Waveform Discriminator Filter	Not Applied	
Semblance Window Width	150.00	micro-sec
Semblance Processing Enabled	Yes	
Tracking Boxes Enabled In Processing	Yes	

Induction Calibration MAI-B.J 390

Factory Loop Calibration 10-DEC-2018 18:16
Field Check on 16-DEC-2018 12:05

Factory Loop Calibration

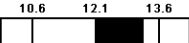
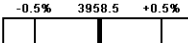
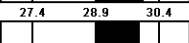
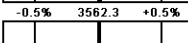
High Conductivity Reference Resistor	3.3	ohm
Low Conductivity Reference Resistor	333.3	ohm

Array	Measured Signal (unitless)		Reference Conductivity (mmho/m)		Calibration	
	Low	High	Low	High	Gain	Offset
1 (near)	16.8	458.6	9.3	966.2	2.166	-27.2
2	6.3	377.7	7.6	821.4	2.191	-6.2
3	3.8	258.6	5.2	566.0	2.200	-3.0
4 (far)	1.9	132.3	2.6	279.2	2.121	-1.4
Array Temperature	77.9	Deg F				

Tool Checks

Array	Factory Reference (mmho/m)		Before Survey (mmho/m)		
	Low	High	Low	High	
1 (near)	12.1	3958.5	13.2	3960.0	
2	28.9	3562.3	30.0	3563.3	
3	27.1	3060.6	28.0	3061.3	
4 (far)	19.1	2087.5	19.7	2087.8	
Array Temperature	63.5	Deg F	64.1	Deg F	

Induction Check Tolerances MAI-B.J 390

Low Array 1	13.2		mmho/m	High Array 1	3960.0		mmho/m
Low Array 2	30.0		mmho/m	High Array 2	3563.3		mmho/m

Low Array 3	28.0	25.6 27.1 28.6	mmho/m	High Array 3	3061.3	-0.5% 3060.6 +0.5%	mmho/m
Low Array 4	19.7	17.6 19.1 20.6	mmho/m	High Array 4	2087.8	-0.5% 2087.5 +0.5%	mmho/m

Induction Constants MAI-B.J 390

Last Edited on 16-DEC-2018,15:49

Induction Model	RtAP-WBM		
Borehole Correction Constants			
Tool Centred	No		
Hole Size Source	Density Caliper		
Hole Size Constant Value	N/A		
Stand-off Type	Fins		
Stand-off	0.50		
Number of Fins on Stand-off	8.0000		
Stand-off Fin Angle	45.00		
Stand-off Fin Width	0.5000		
Rm Source	Global Value: Constant Temperature		
Temp. for Rm Corr.	N/A		
Borehole Correction Method	Default		
Squasher Start	0.0020		
Squasher Offset	N/A		
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	
Symmetrised Receiver Gains			
Receiver 1	1.00		
Receiver 2	1.00		
Receiver 3	1.00		
Receiver 4	1.00		
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 Calibration MAI-B.J 390

Field Calibration on 15-MAY-2018,12:48

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

High Resolution Temperature Constants MAI-B.J 390

Last Edited on 06-MAR-2018,13:01

Pre-filter Length	11
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Caliper Calibration MPD-C.A 216

Base Calibration on 04-DEC-2018 12:24
Field Calibration on 16-DEC-2018 12:07

Base Calibration		
Reading No	Measured	Calibrator Size (in)
1	15599	3.99
2	24289	5.98
3	32989	7.97
4	41250	9.86

5
650464
N/A11.92
N/A

Field Calibration

Measured Caliper (in)
7.96Actual Caliper (in)
7.97

Caliper Calibration Tolerances MPD-C.A 216

Long Arm Field Cal. 7.96

7.57	7.97	8.37
------	------	------

 in

Photo Density Calibration MPD-C.A 216

Base Calibration on 04-DEC-2018 12:43
Field Check on 16-DEC-2018 12:13

Density Calibration

Base Calibration

Measured

Calibrated (sdu)

Near

Far

Near

Far

Background

996

1188

Reference 1

49174

23910

59556

30836

Reference 2

19716

2252

24941

2541

Field Check at Base

996.3

1187.9

Field Check

1007.7

1215.2

PE Calibration

Base Calibration

Measured

Calibrated

WS

WH

Ratio

Ratio

Background

183

895

Reference 1

20502

49024

0.422

0.371

Reference 2

5636

19607

0.291

0.272

Field Check at Base

182.6

895.4

Field Check

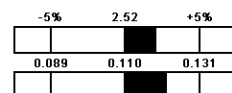
187.1

905.9

Photo Density Calibration Tolerances MPD-C.A 216

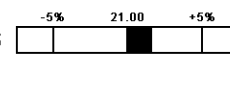
Near Density Ratio

2.57



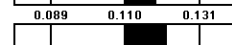
Far Density Ratio

21.36



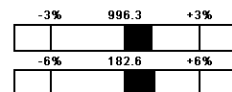
PE Calibration

0.122



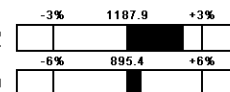
Near Den. Field Check

1007.7



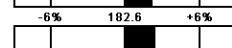
Far Den. Field Check

1215.2



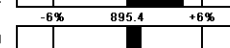
PE WS Field Check

187.1



PE WH Field Check

905.9



Density Constants MPD-C.A 216

Last Edited on 16-DEC-2018,15:50

Density Source Id

P50557B

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

1.12

gm/cc

Mud Density Type

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

Precision Enhanced Density Processing

Applied

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 18.03.9344\Data\Berexco Kane Unit #4-14\Berexco Kane Unit #4-14_003.dta

Cablehead, 11 pin

CBH-CB 264 LG: 2.40 ft WT: 24.3 lb OD: 2.244 in

Compact Swivel Head Adaptor

SHA-J.B 595 LG: 2.30 ft WT: 22.0 lb OD: 2.244 in

Compact Comms Gamma

MCG-D.K 443 LG: 8.70 ft WT: 63.9 lb OD: 2.244 in

Compact Micro-Resistivity

MMR-B.A 91 LG: 8.59 ft WT: 81.6 lb OD: 4.882 in

Compact Neutron

MDN-B.A 292 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: 2.913 in

Compact Knuckle Joint

SKJ-D.A 167 LG: 2.17 ft WT: 24.3 lb OD: 2.244 in

Compact Focussed Electric

MFE-B.J 352 LG: 6.05 ft WT: 48.5 lb OD: 2.244 in

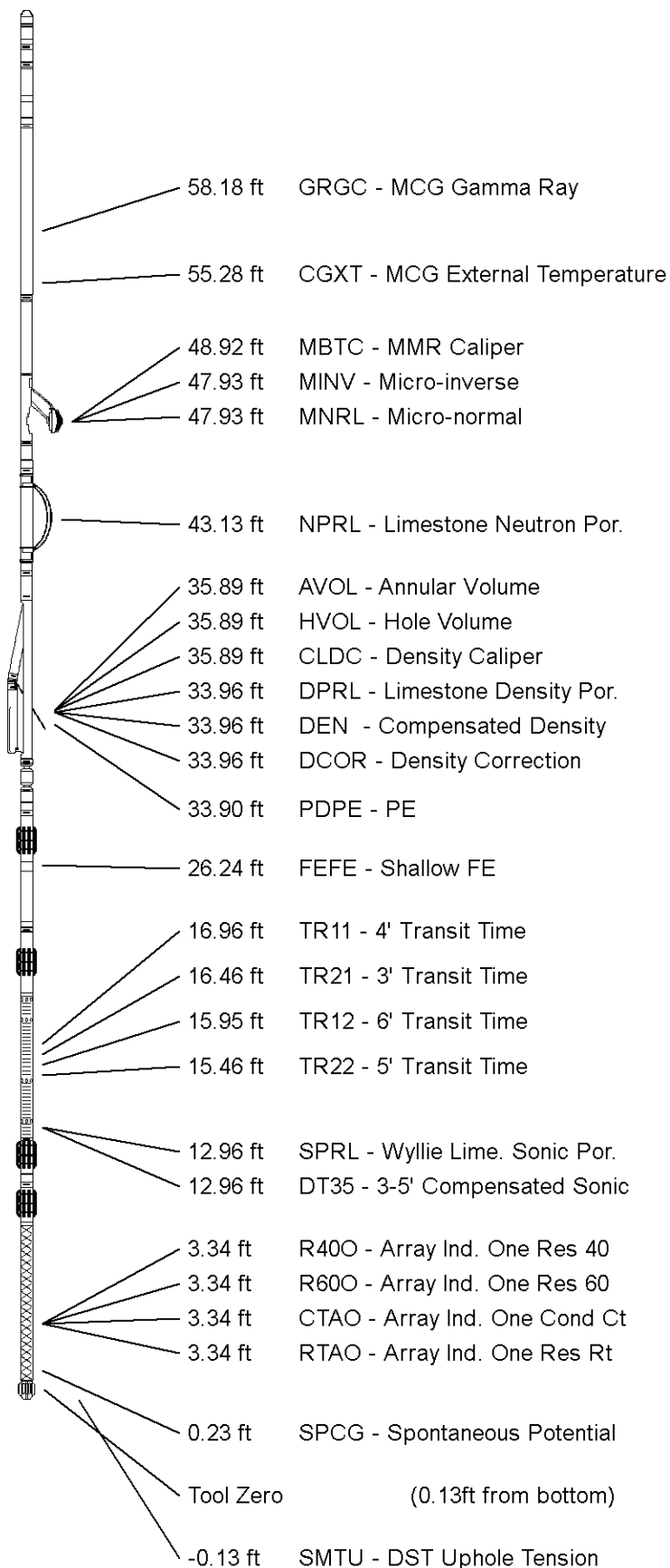
Compact Sonic

MSS-C.K 319 LG: 12.52 ft WT: 72.8 lb OD: 2.244 in

Compact Induction

MAI-B.J 390 LG: 10.81 ft WT: 48.5 lb OD: 2.244 in

Total Length: 68.16 ft Weight: 526.9 lb



All measurements relative to tool zero.

COMPANY	BEREXCO, LLC.		
WELL	KANE UNIT #4-14		
FIELD	ALFORD		
PROVINCE/COUNTY	KIOWA		
COUNTRY/STATE	U.S.A. / KANSAS		

Elevation Kelly Bushing	2227	feet	First Reading	5265.00	feet
Elevation Drill Floor	2225	feet	Depth Driller	5300.00	feet
Elevation Ground Level	2215	feet	Depth Logger	5299.00	feet


Weatherford[®]

COMPACT PHOTO DENSITY
COMPENSATED NEUTRON
MICRORESISTIVITY LOG