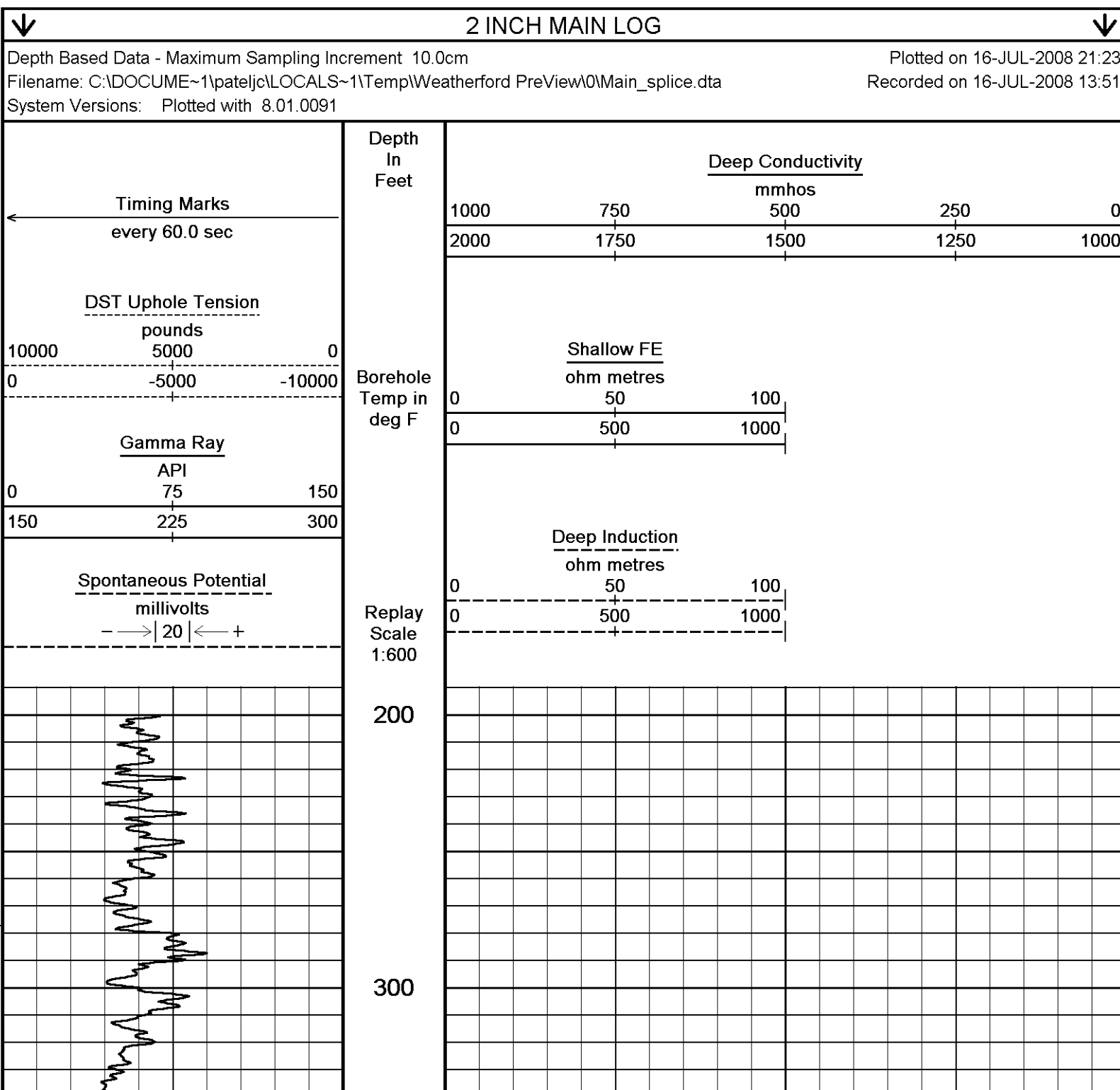


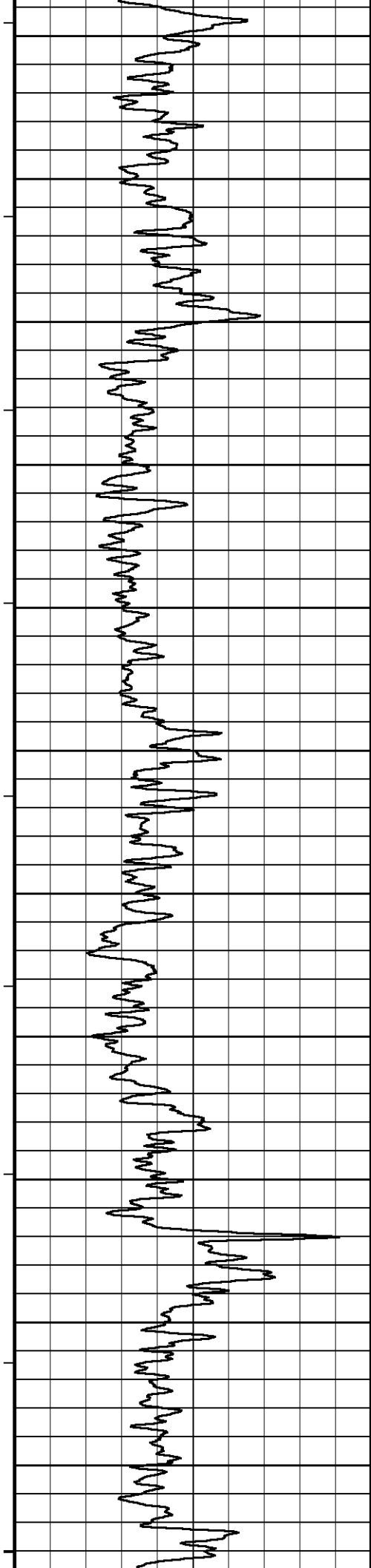
ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG

COMPANY				WHITING OIL & GAS			
WELL				BOIES #B-19P-O3			
FIELD				SULPHUR CREEK			
PROVINCE/COUNTY				RIO BLANCO			
COUNTRY/STATE				U.S.A. / COLORADO			
LOCATION				SHL: 306' FSL & 1184' FEL BHL: 515' FSL & 2019' FEL			
LSD	SEC	TWP	RGE	Other Services			
	19	2S	97W	MPD/MDN			
API Number				05-103-11067			
Permit Number							
Permanent Datum				G.L., Elevation 6246 feet			
Log Measured From K.B.				@ 30 FEET above Permanent Datum			
Drilling Measured From K.B.							
Date	15-JUL-2008			Elevations:			
Run Number	ONE			KB 6278.00 DF 6277.00 GL 6248.00			
Depth Driller	10930.00			feet			
Depth Logger	10954.00			feet			
First Reading	10951.00			feet			
Last Reading	4966.00			feet			
Casing Driller	5000.00			feet			
Casing Logger	4966.00			feet			
Bit Size	8.75			inches			
Hole Fluid Type	LSND						
Density / Viscosity	9.60 lb/USg			60.00 CP			
PH / Fluid Loss	9.00			5.60 ml/30Min			
Sample Source	FLOW LINE						
Rm @ Measured Temp	1.56 @ 99.7			ohm-m			
Rmf @ Measured Temp	1.25 @ 99.7			ohm-m			
Rmc @ Measured Temp	1.87 @ 99.7			ohm-m			
Source Rmf / Rmc	CALC			CALC			
Rm @ BHT	0.67 @238.0			ohm-m			
Time Since Circulation	10 HOURS						
Max Recorded Temp	238.00			deg F			
Equipment Name	COMPACT						
Equipment / Base	13038			GDUCT			
Recorded By	C. PHILLIPS						
Witnessed By	A. FULLER						
Last Title	Last Line			Last Line			

BOREHOLE RECORD					Last Edited: 16-JUL-2008 14:56
Bit Size inches		Depth From feet		Depth To feet	
8.750		5000.00		11930.00	
CASING RECORD					
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft	
SURFACE	9.625	0.00	5000.00	36.00	

REMARKS
TOOLS RAN: SHA, MCG, MDN, MPD, SKJ, MFE, MAI RAN IN COMBINATION.
HARDWARE: MDN: DUAL NEUTRON BOWSPRING USED. MPD: 8 INCH PROFILE PLATE USED. MAI: TWO 0.5 INCH STANDOFFS USED.
FIRST RUN BRIDGED OFF AT 10013 FEET. RIG MADE WIPER TRIP IN AN ATTEMPT TO LOG THE BOTTOM SECTION. SECOND RUN T.D. 10954 FEET. DATA SPLICED AT 9950 FEET.
2.68 G/CC DENSITY MATRIX USED TO CALCULATE POROSITY.
ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST.
LOGS WERE RAN FROM TD TO SURFACE CASING AS PER ONSITE COMPANY REP.
MAXIMUM DEVIATION APPROX 11 DEGREES.
BOREHOLE SIZE AND RUGOSITY WILL AFFECT DATA QUALITY.





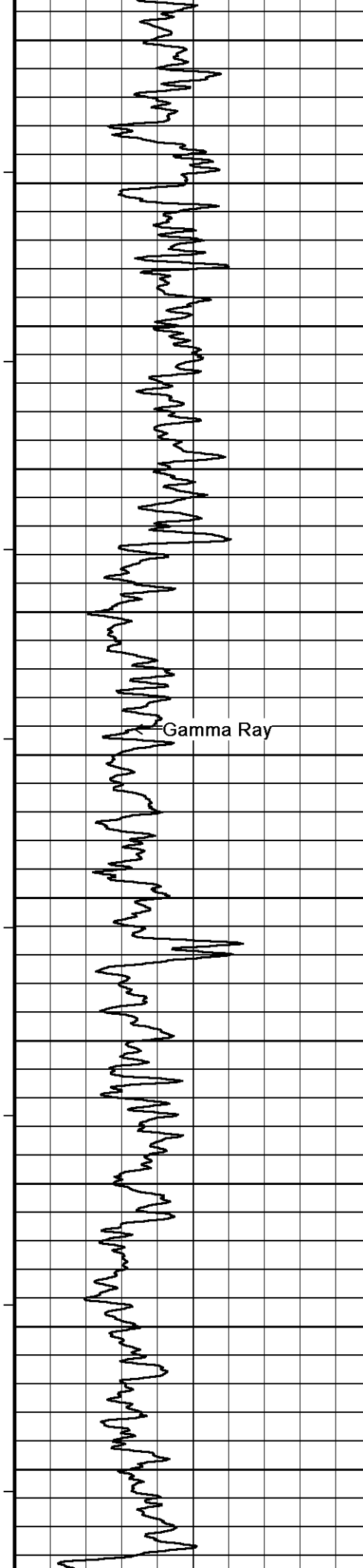
400

500

600

700

800



900

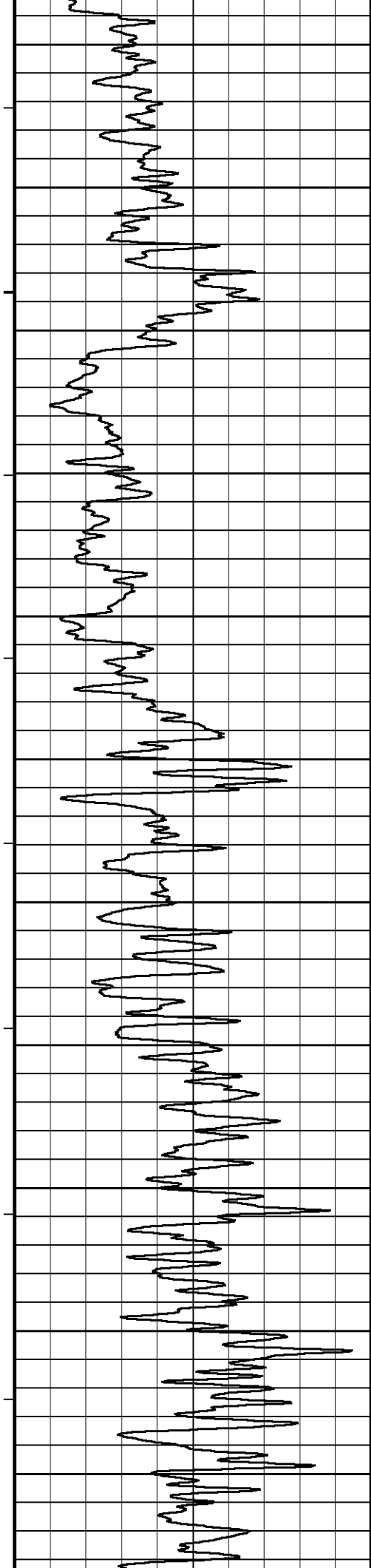
1000

1100

1200

1300

1400



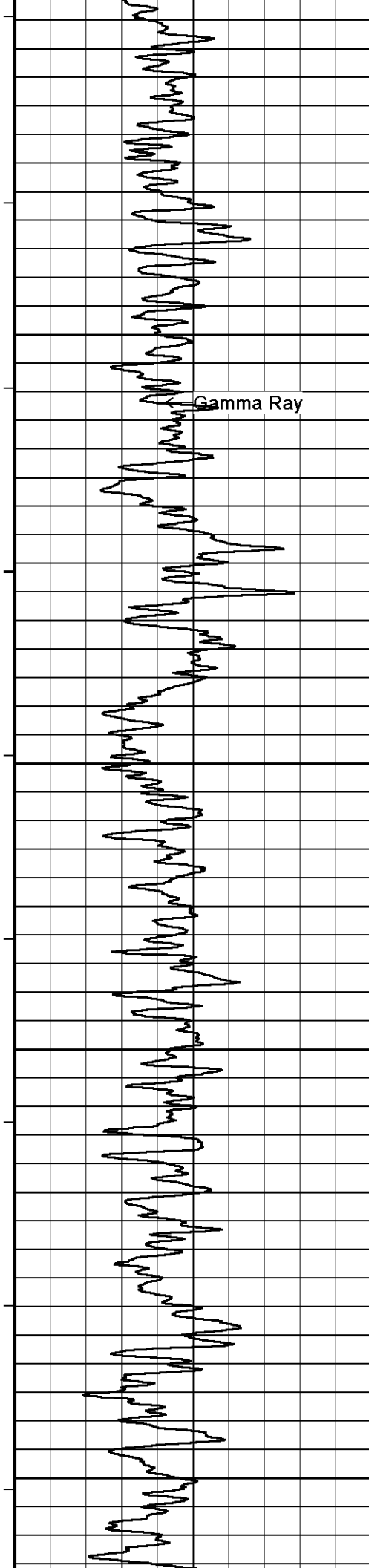
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1600

1700

1800

1900



2000

2100

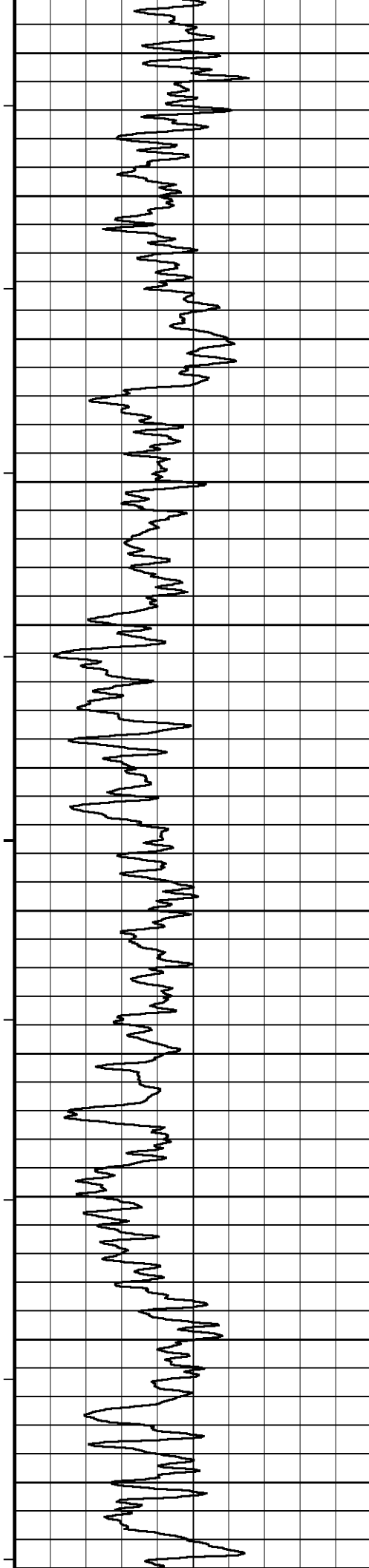
Gamma Ray

2200

2300

2400

2500



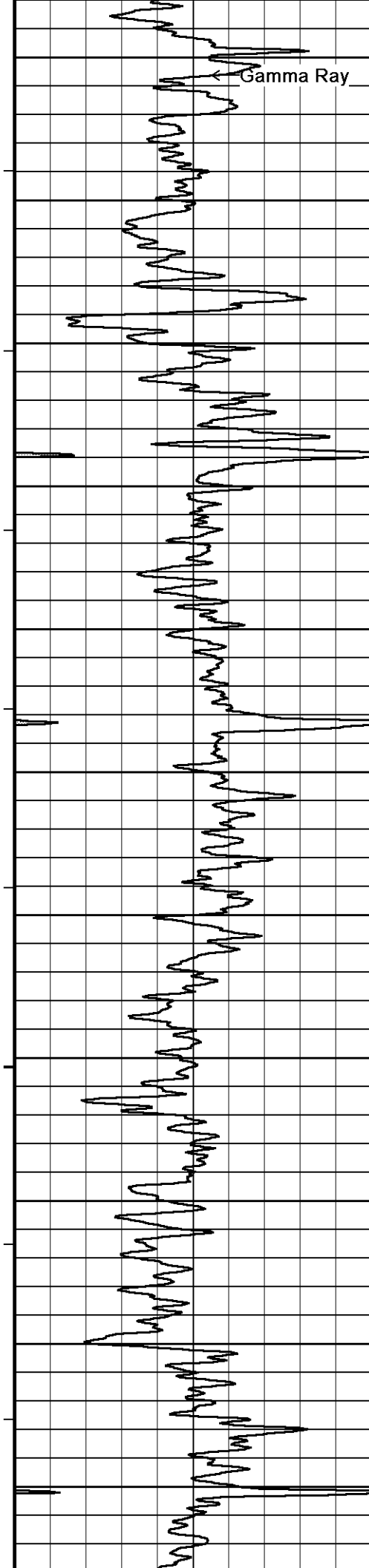
2600

2700

2800

2900

3000



3100

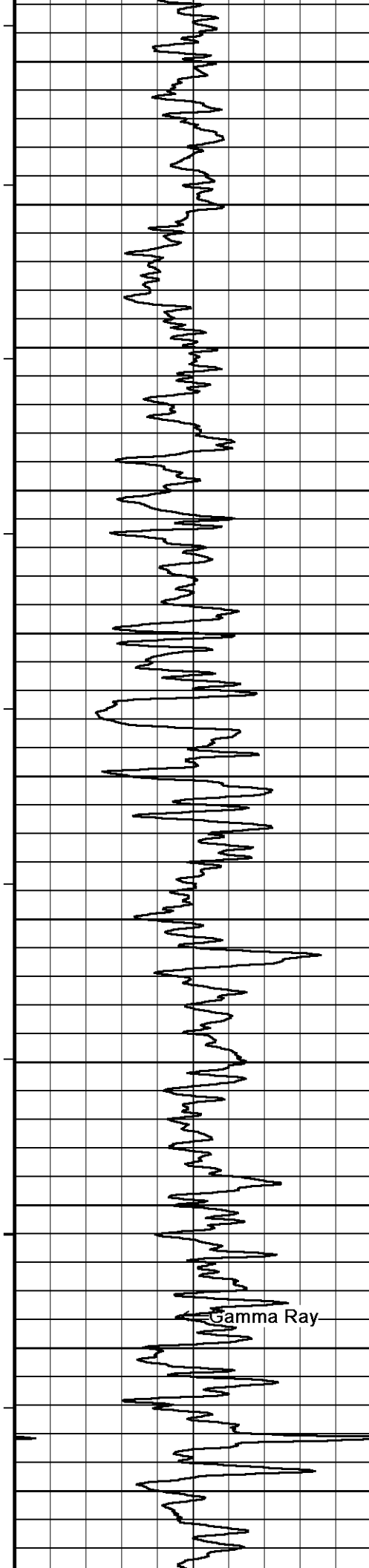
3200

3300

3400

3500

3600



3700

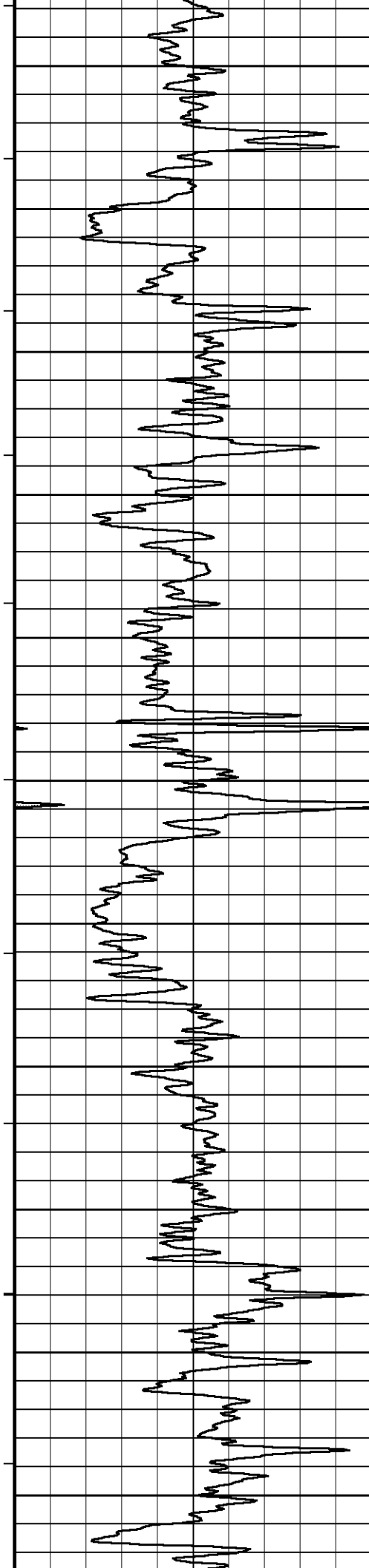
3800

3900

4000

4100

Gamma Ray



4200

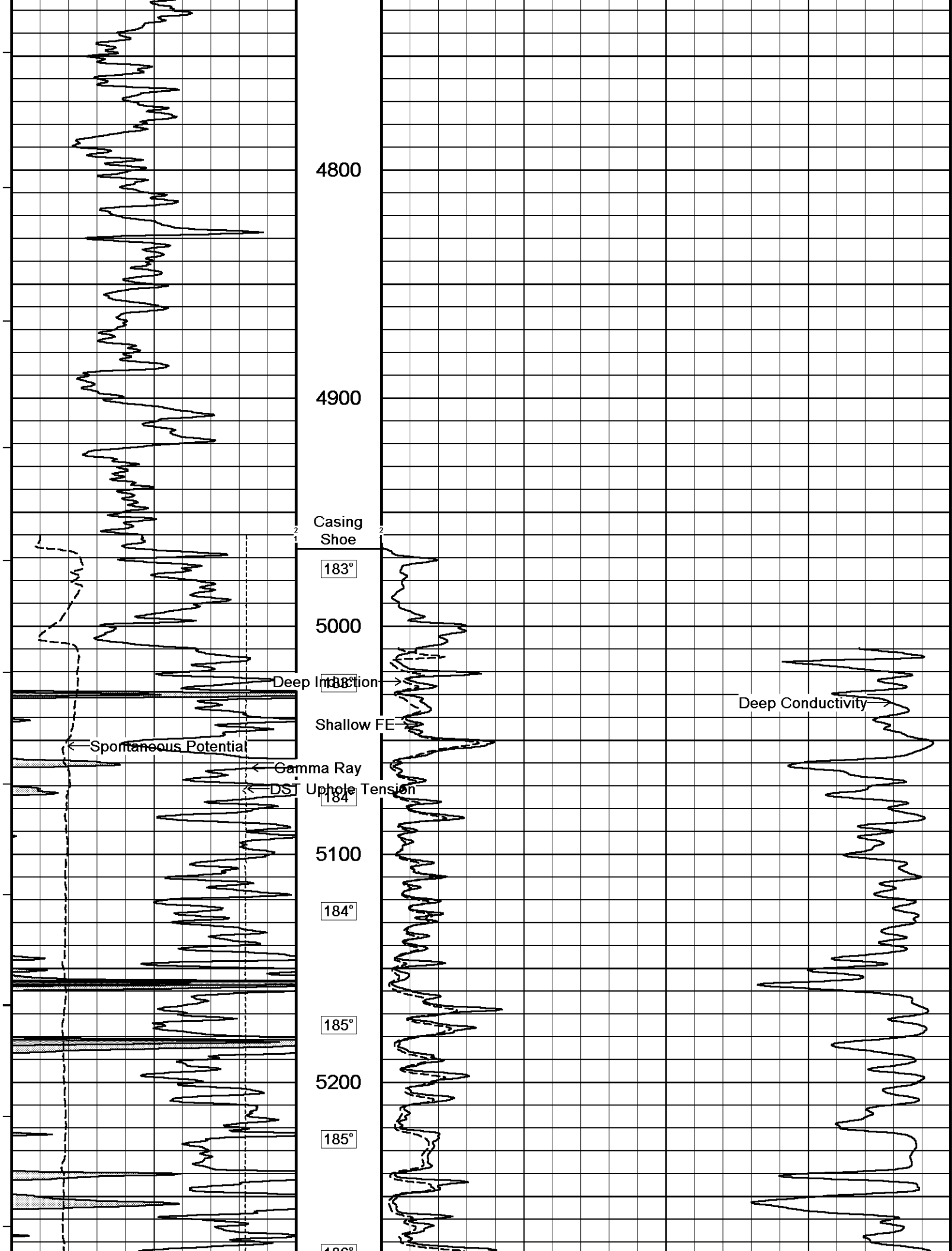
4300

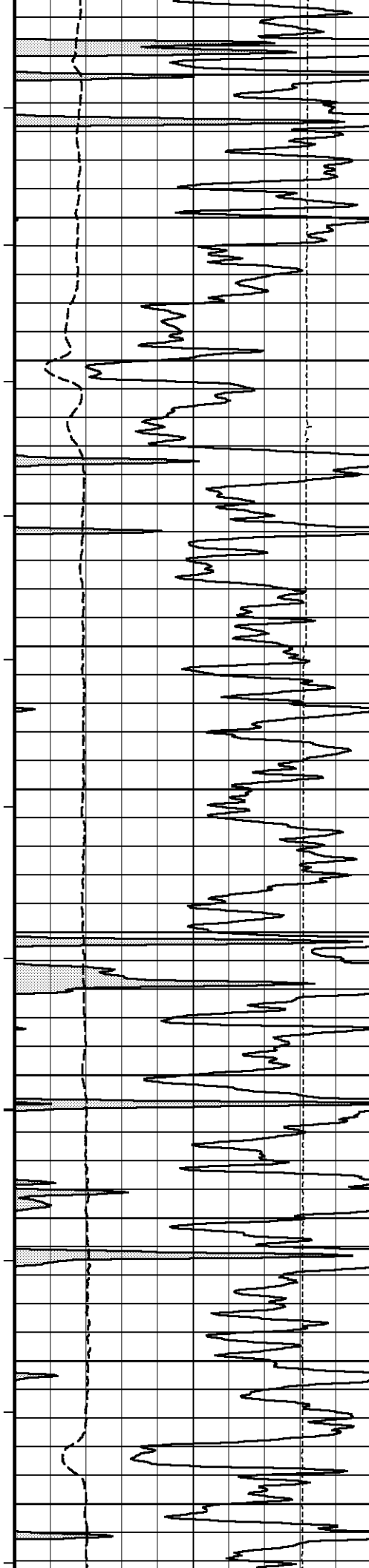
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4500

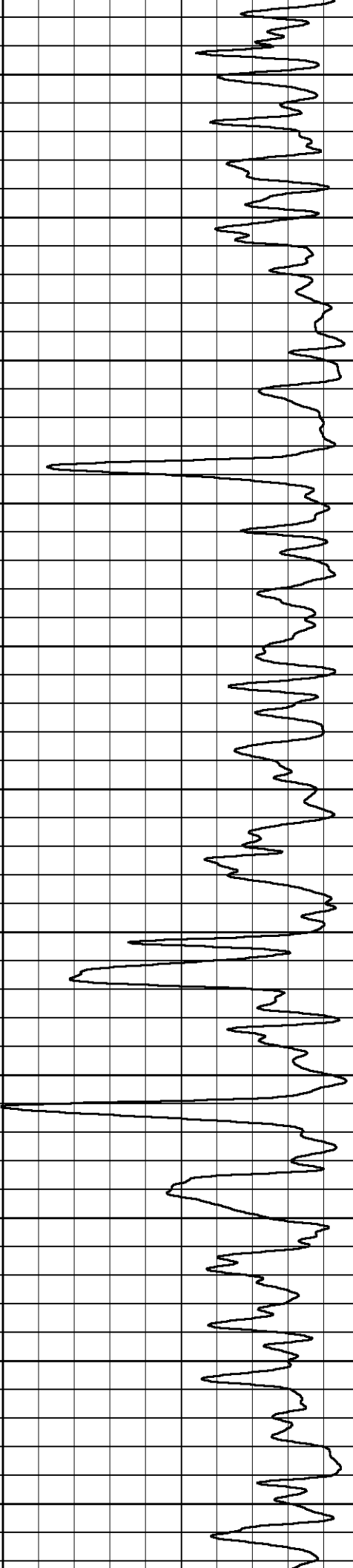
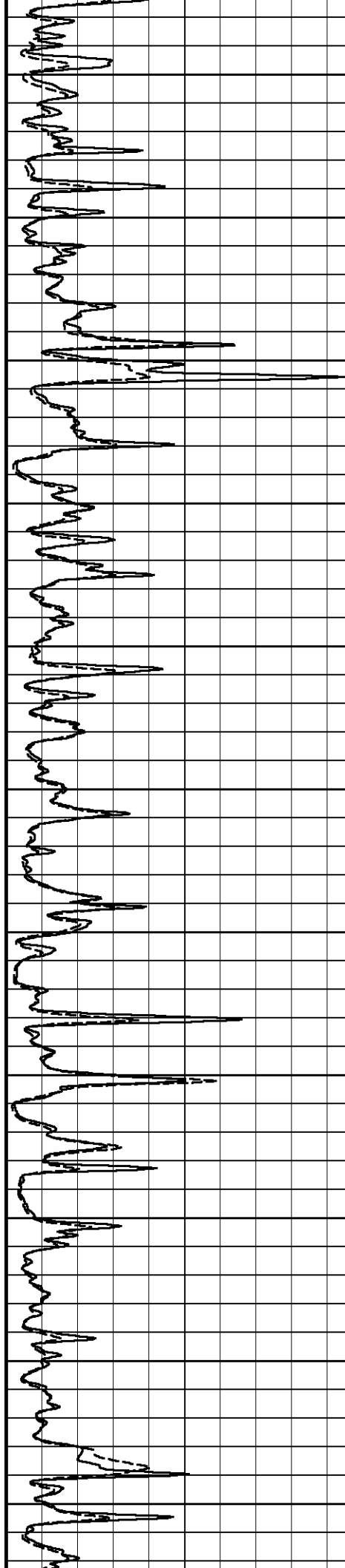
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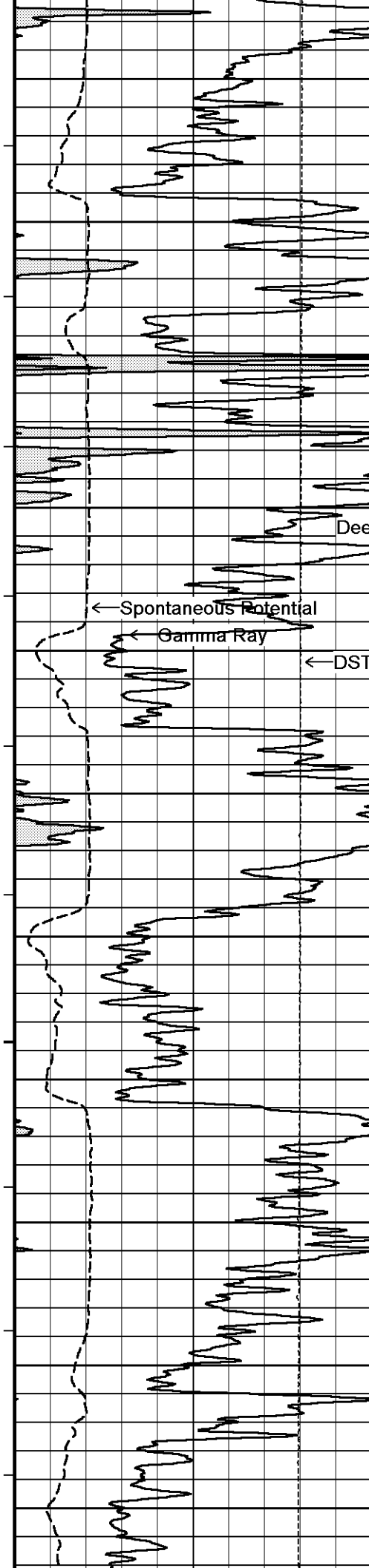
4700





186°
5300
186°
187°
5400
187°
188°
5500
188°
188°
5600
189°
189°
5700
190°
190°
5800





191°

191°

5900

191°

192°

6000

Deep Induction

192°

Shallow FE

193°

6100

193°

194°

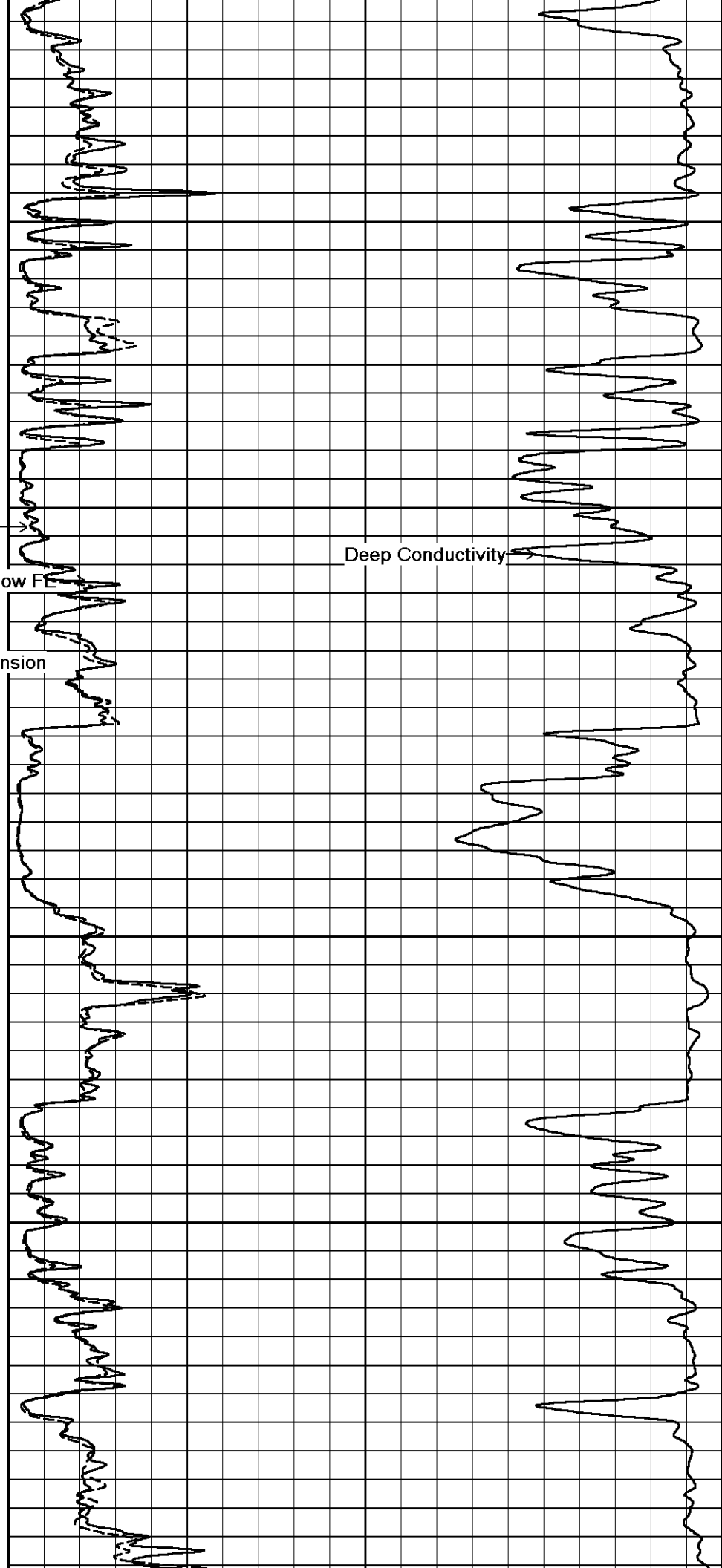
6200

194°

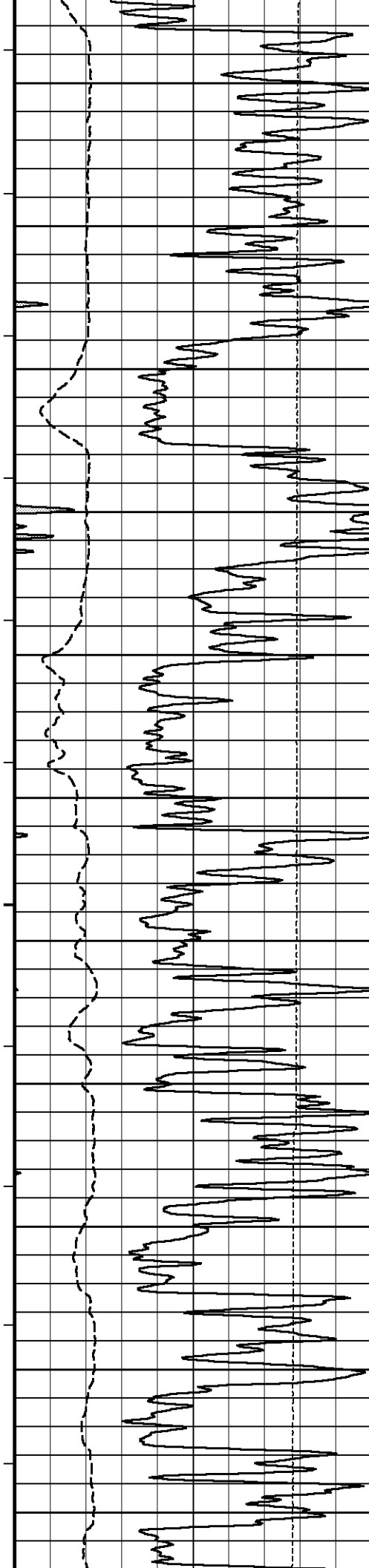
195°

6300

195°



Deep Conductivity



195°

6400

196°

196°

6500

197°

197°

6600

198°

198°

6700

198°

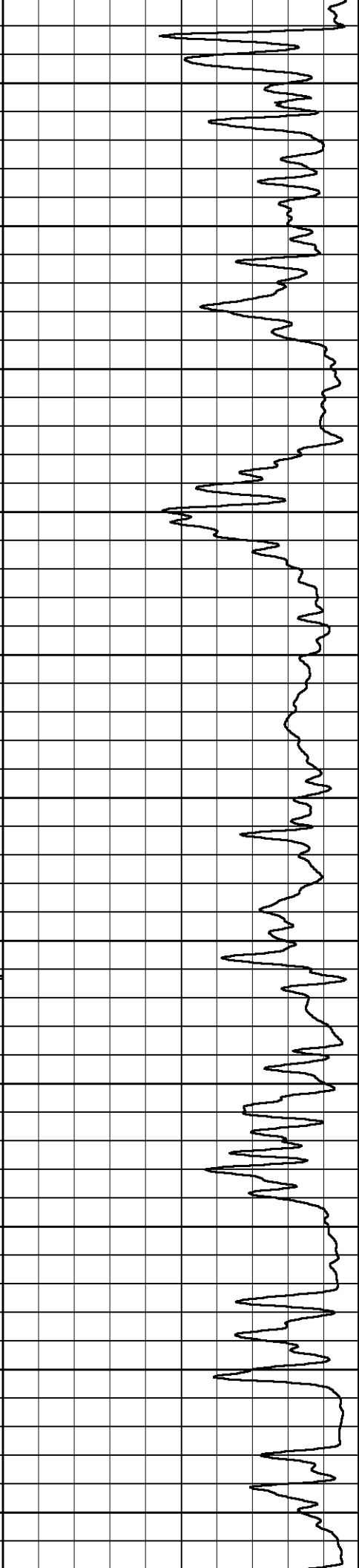
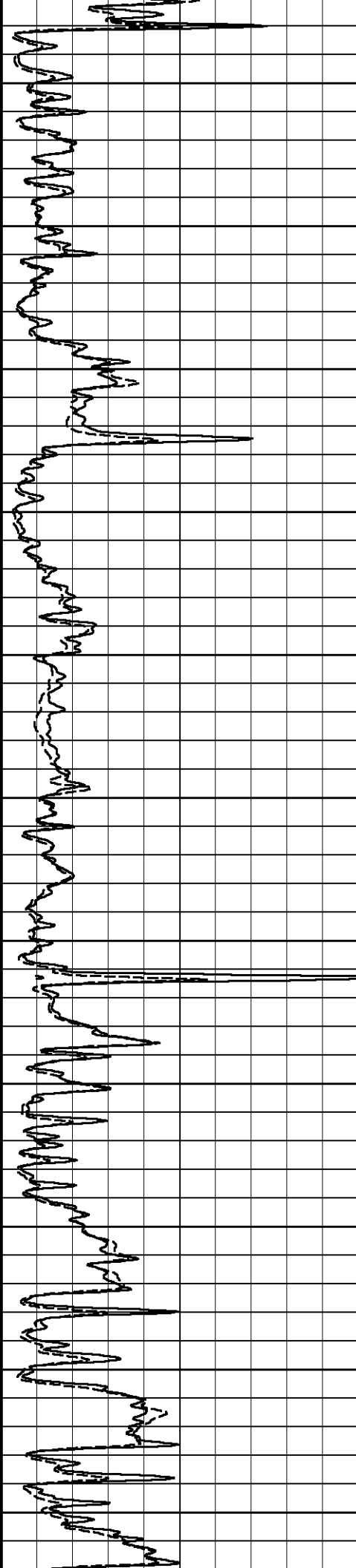
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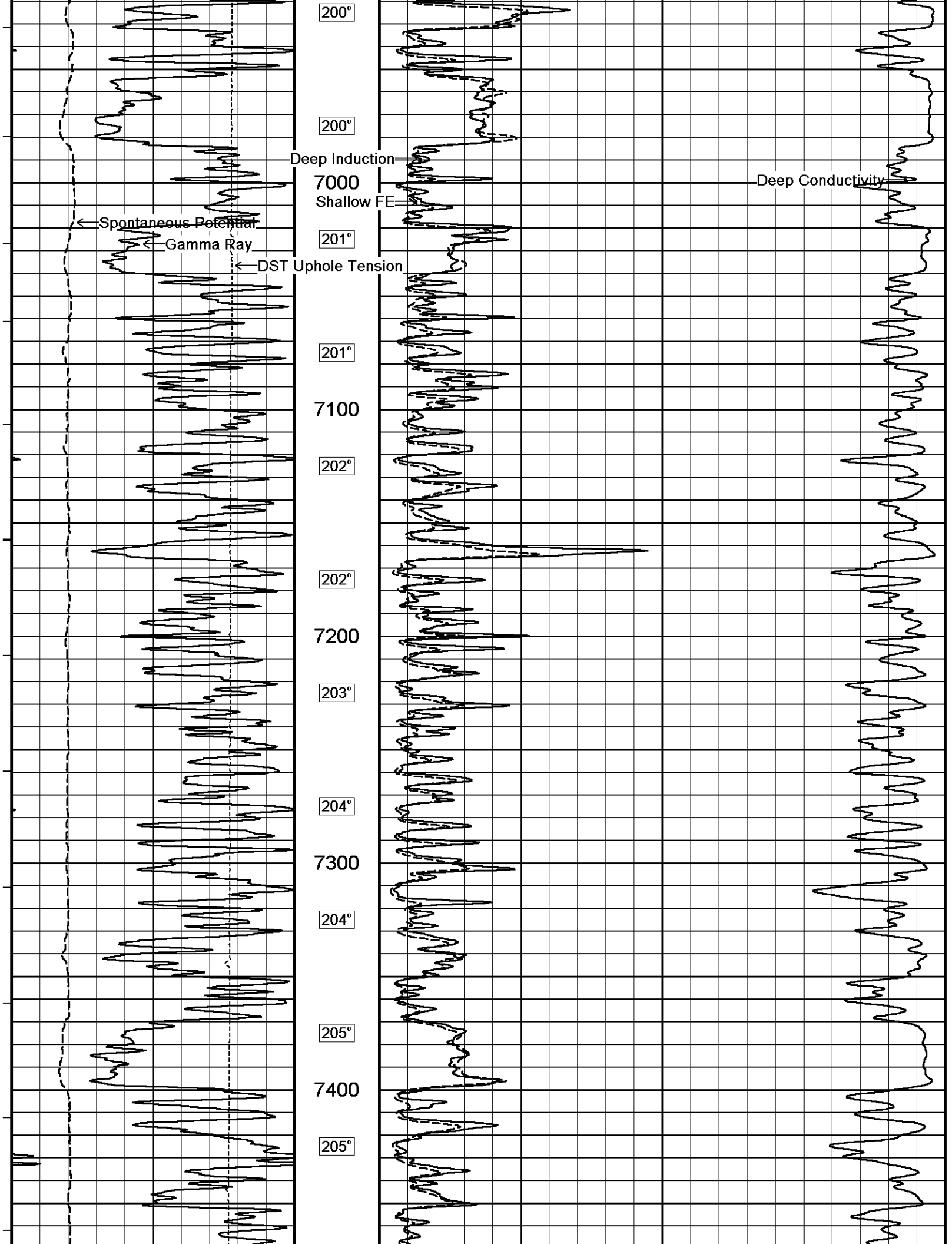
6800

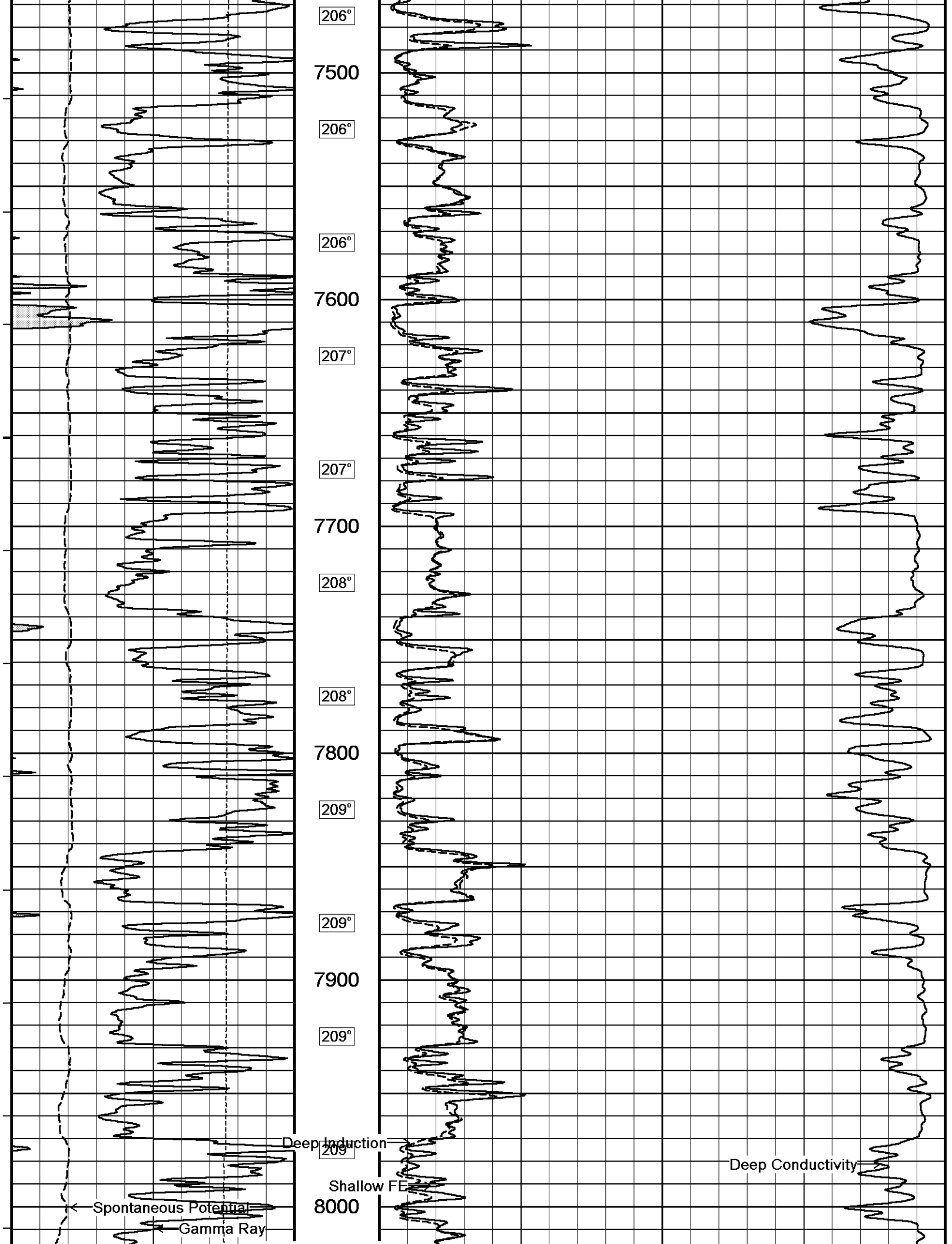
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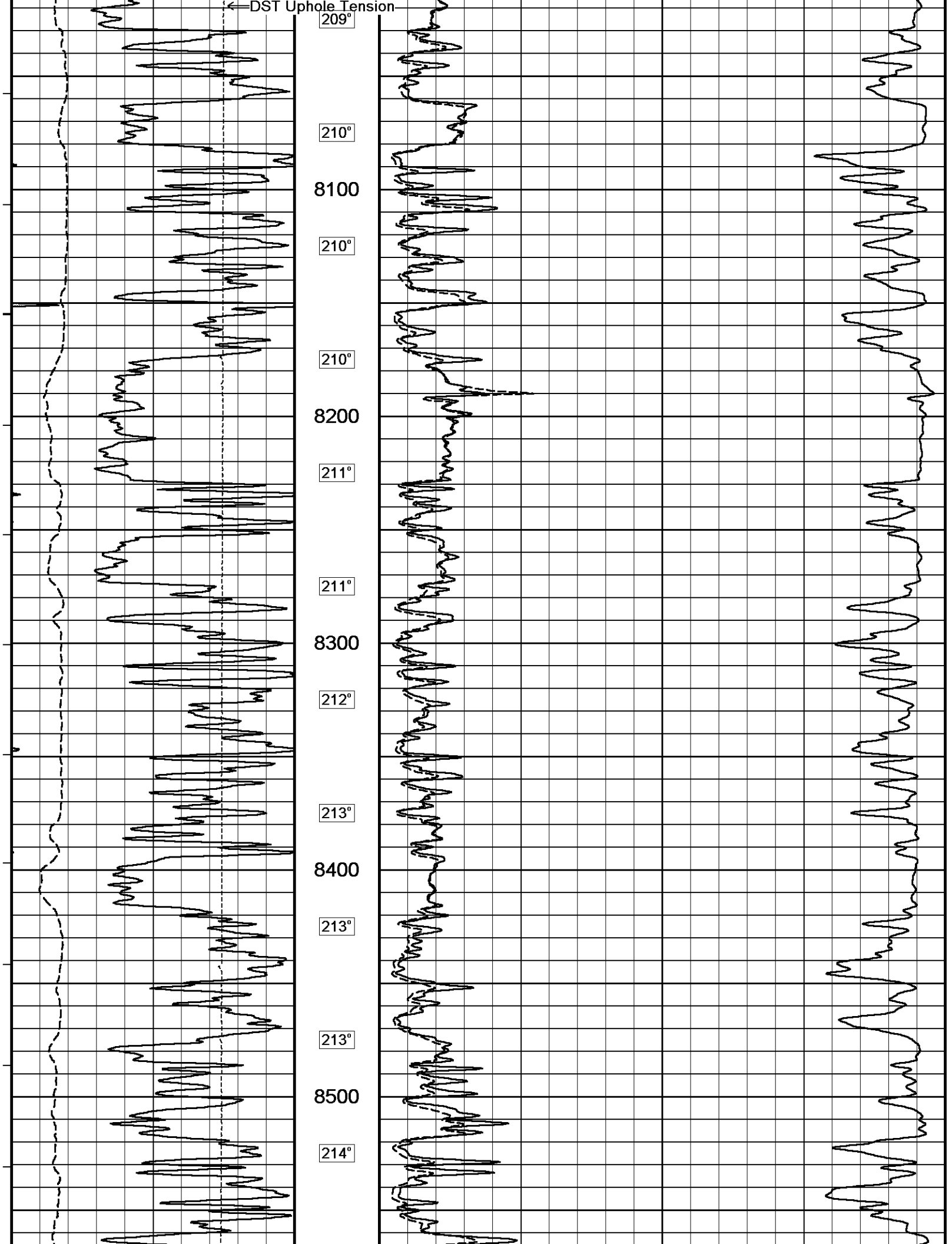
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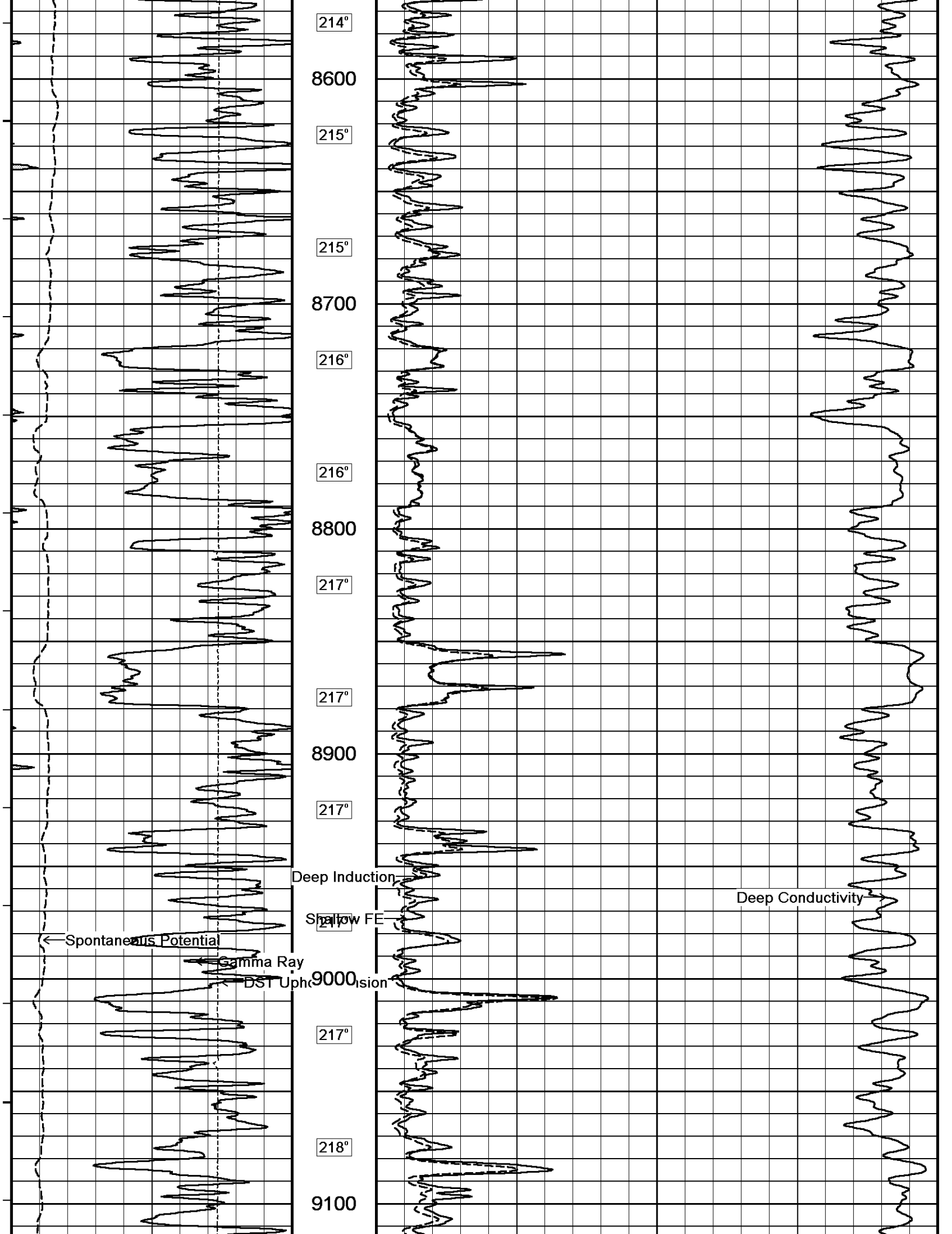
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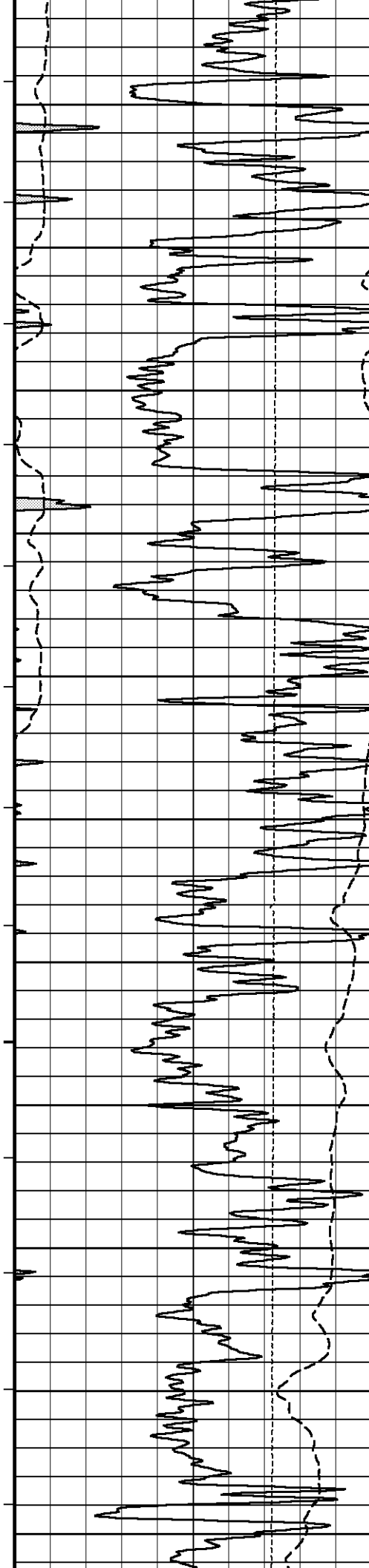




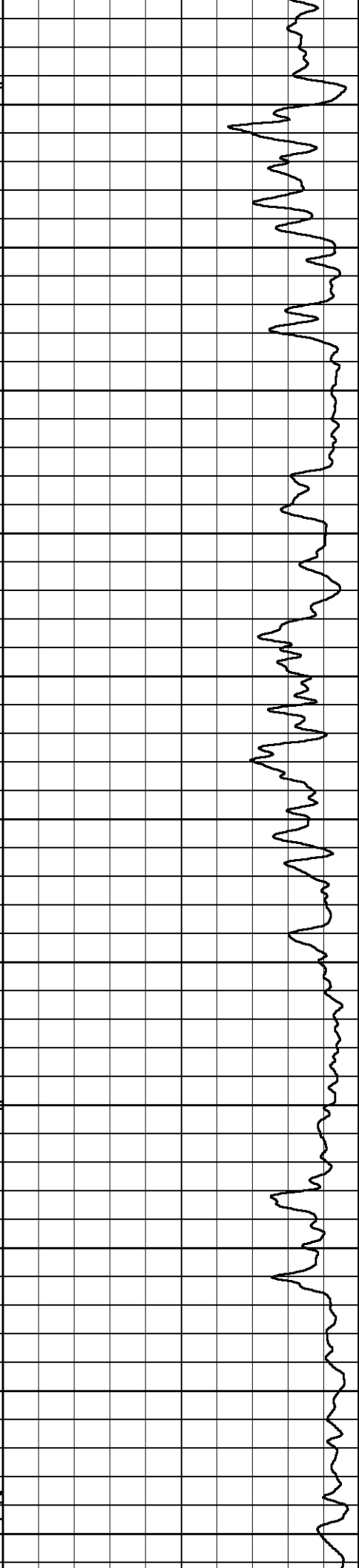
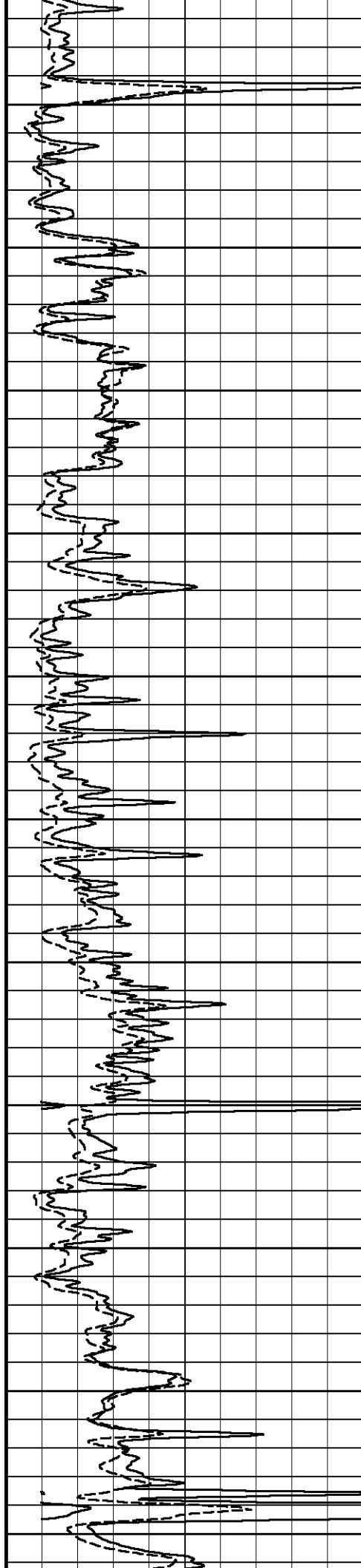


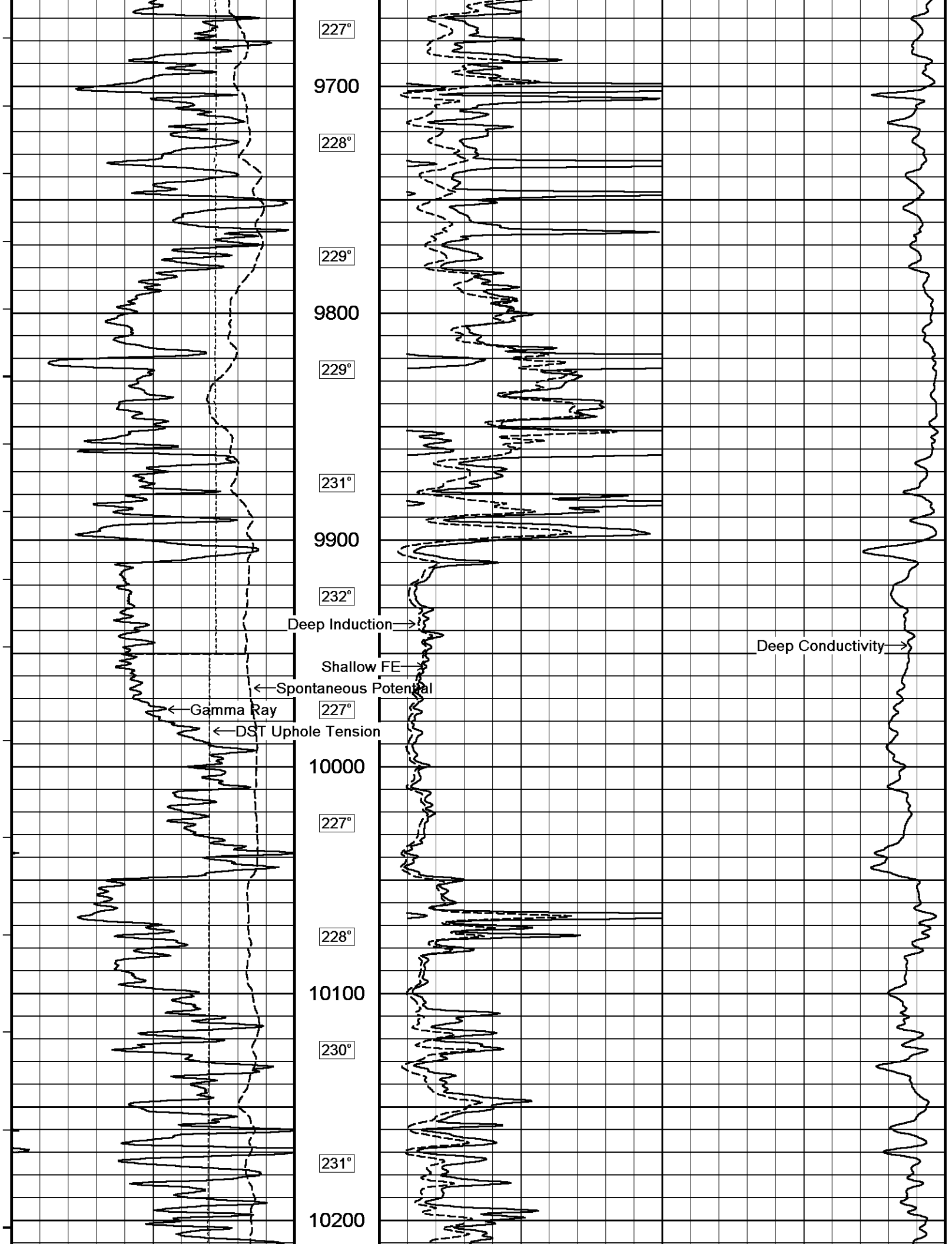


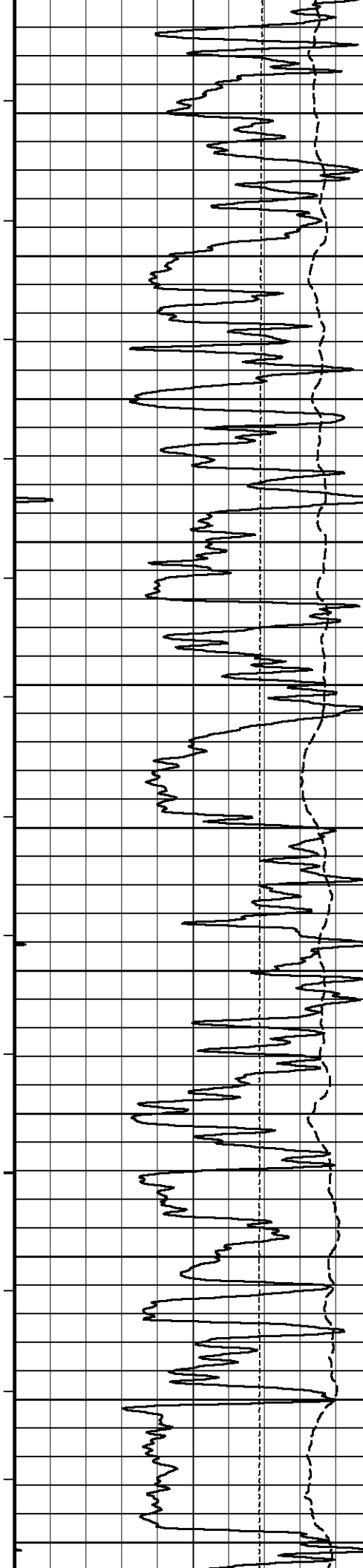




218°
219°
9200
220°
220°
9300
220°
222°
9400
223°
223°
9500
224°
224°
9600
225°







232°

233°

10300

233°

233°

10400

232°

231°

10500

233°

236°

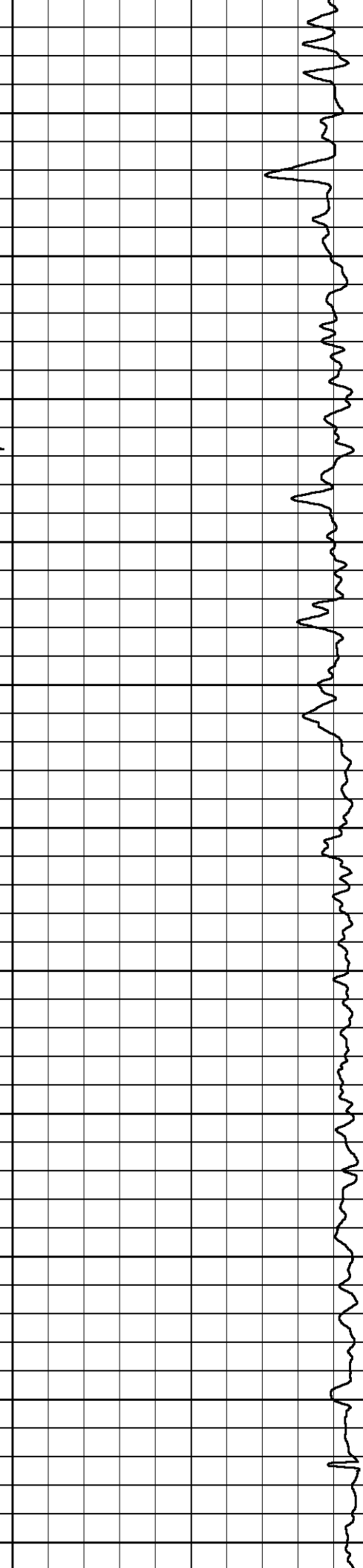
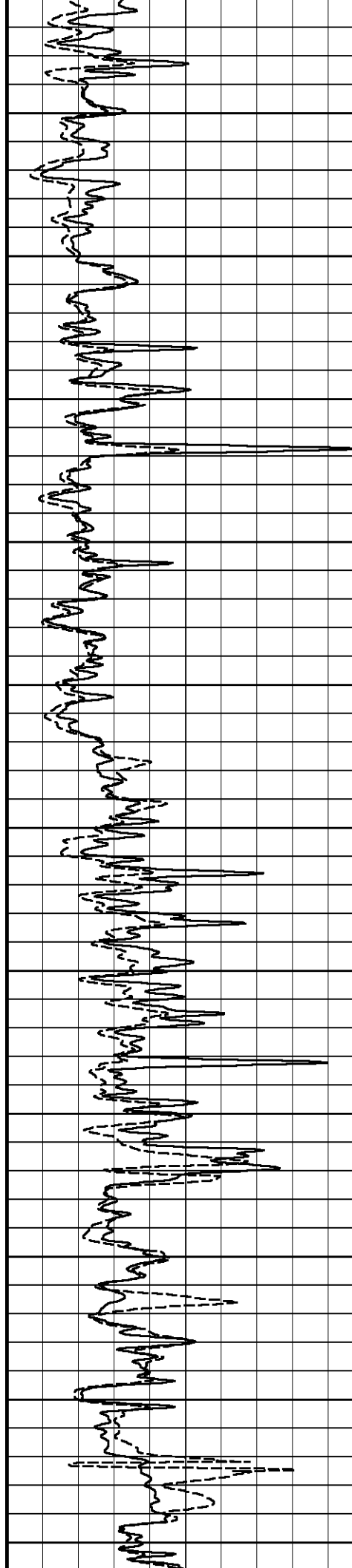
10600

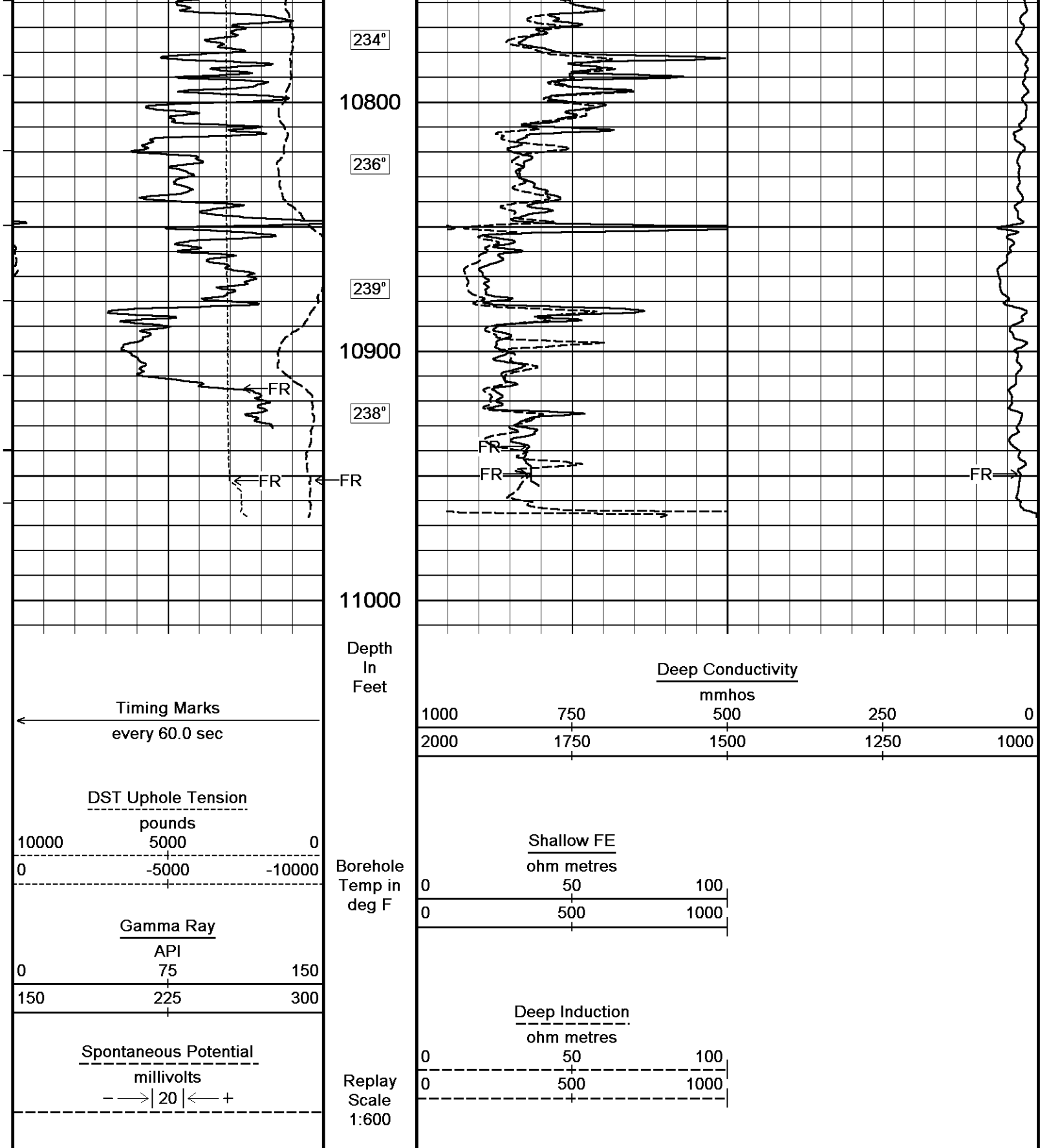
238°

238°

10700

236°





Depth Based Data - Maximum Sampling Increment 10.0cm
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System Versions: Plotted with 8.01.0091

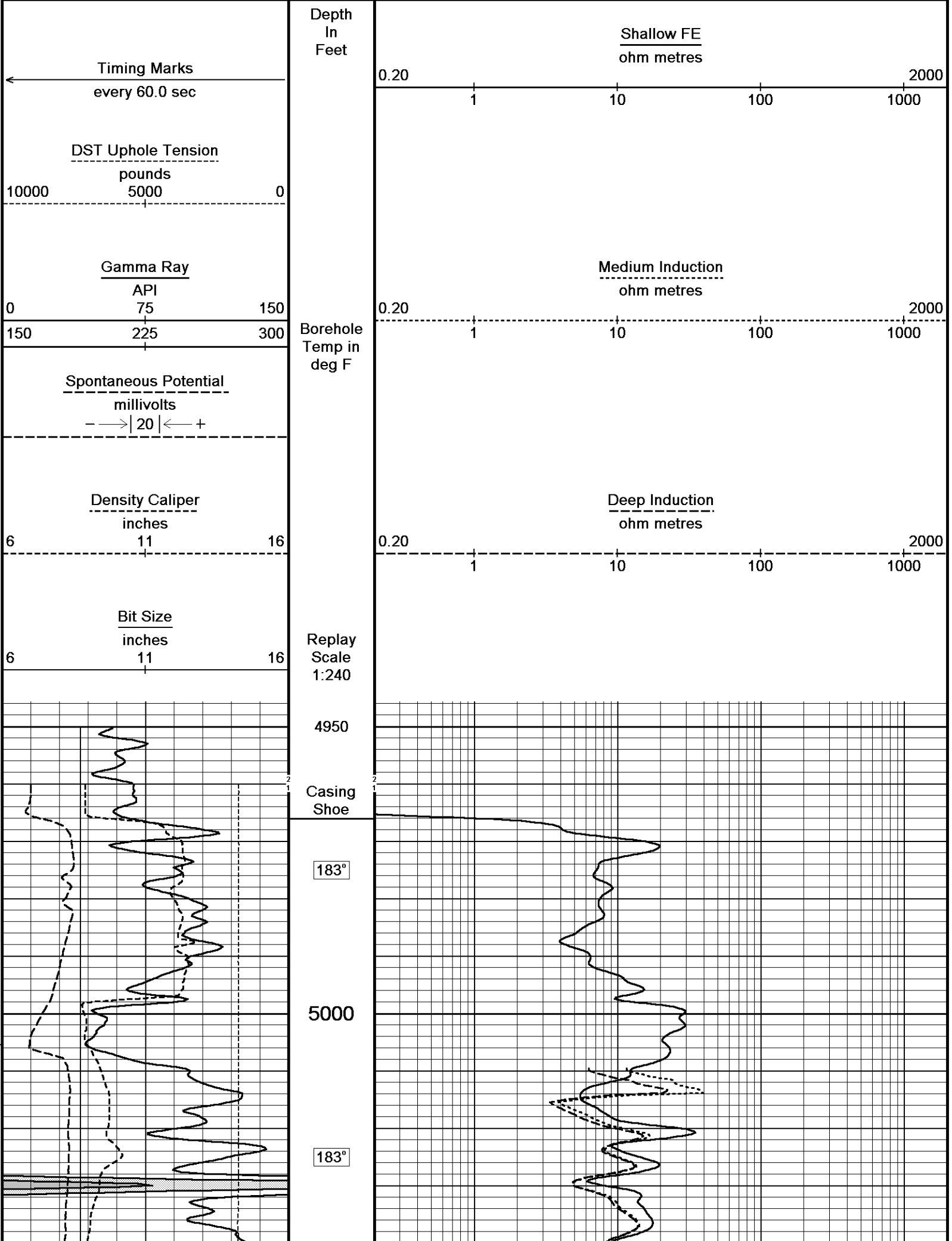
Plotted on 16-JUL-2008 21:23
Recorded on 16-JUL-2008 13:51

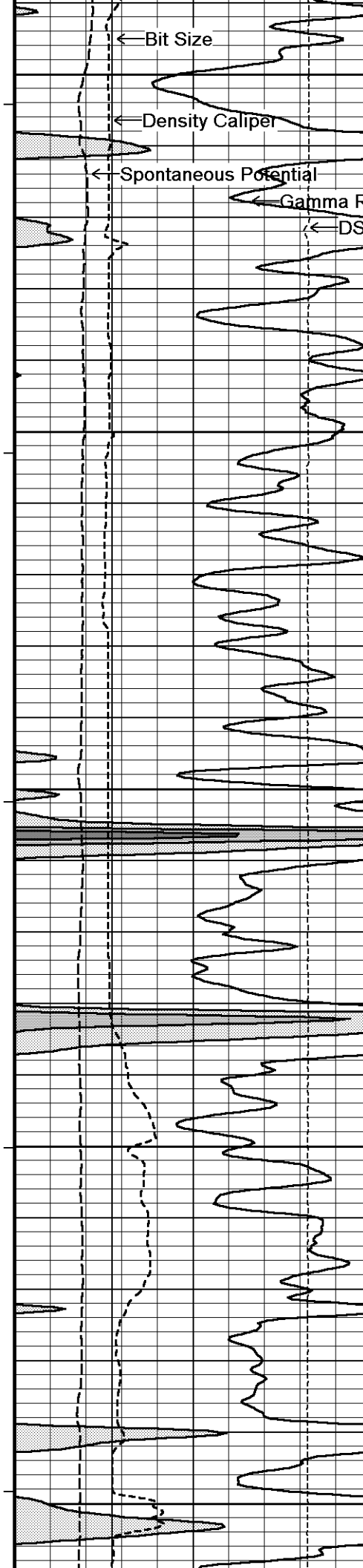
↑ 2 INCH MAIN LOG ↑

↓ 5 INCH MAIN LOG ↓

Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\DOCUME~1\pateljc\LOCALS~1\Temp\Weatherford PreView\0\Main_splice.dta
System Versions: Plotted with 8.01.0091

Plotted on 16-JUL-2008 21:23
Recorded on 16-JUL-2008 13:51





5050

5100

5150

5200

5250

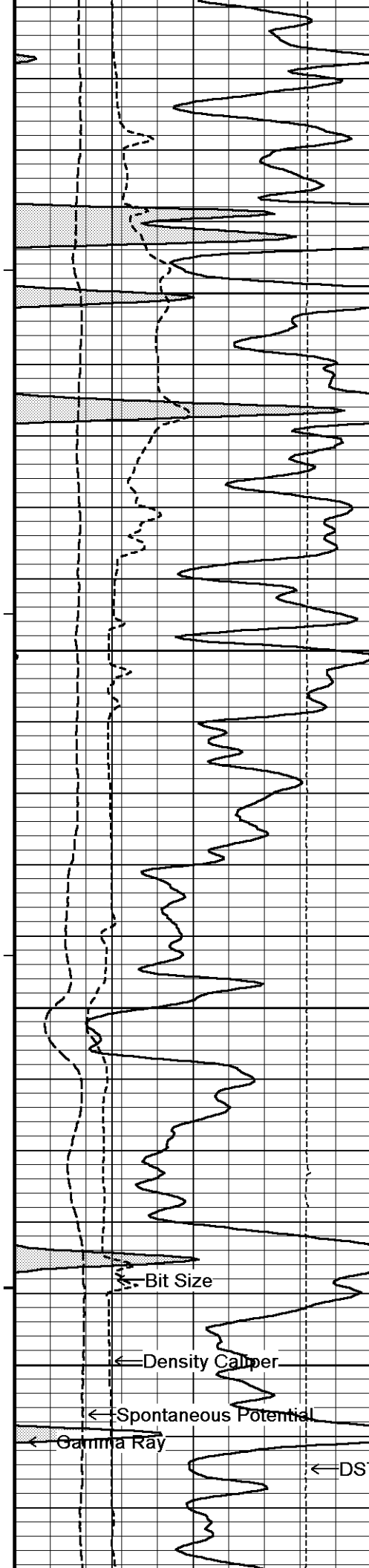
184°

184°

185°

185°

Deep Induction
Medium Induction
Shallow Induction



186°

5300

186°

5350

187°

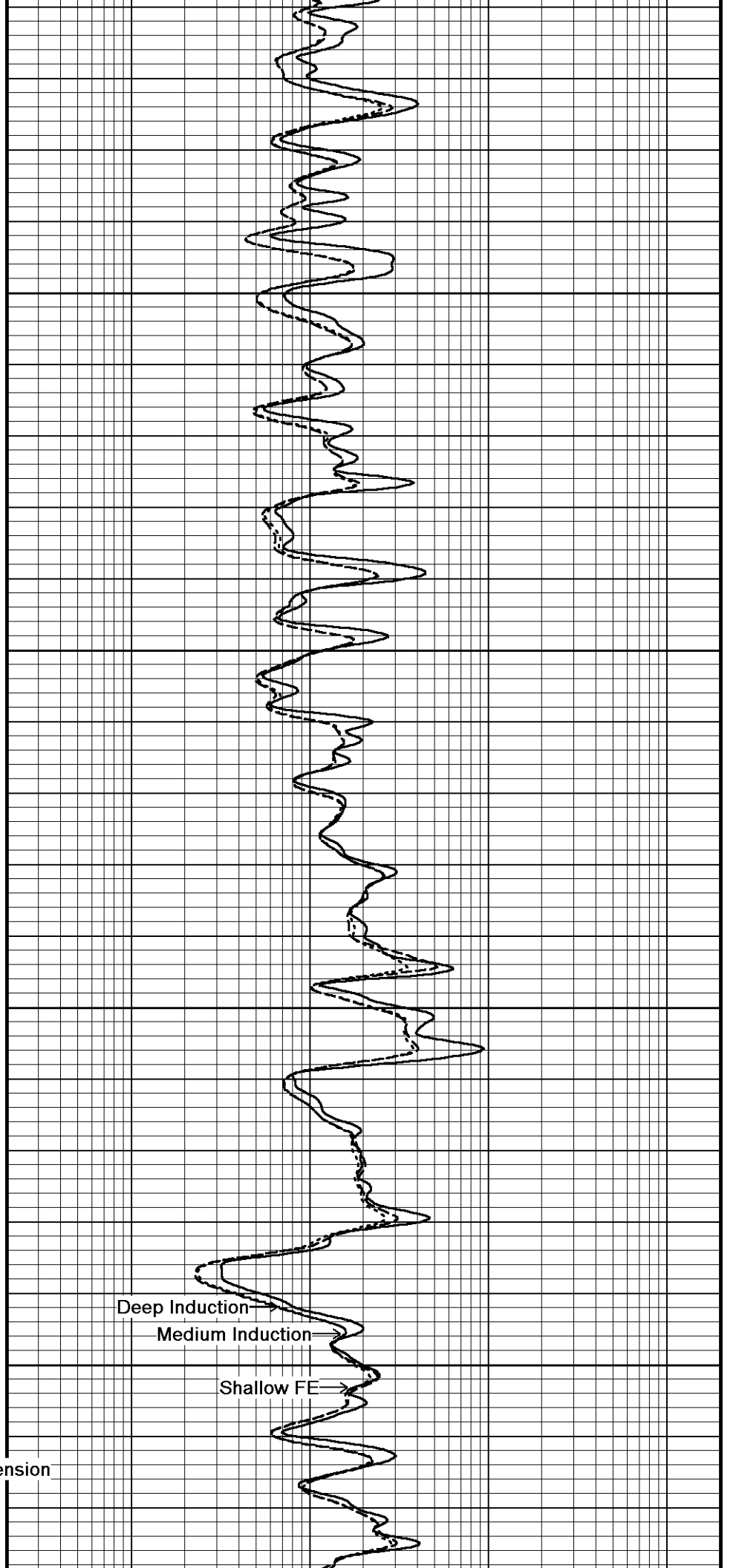
5400

187°

5450

188°

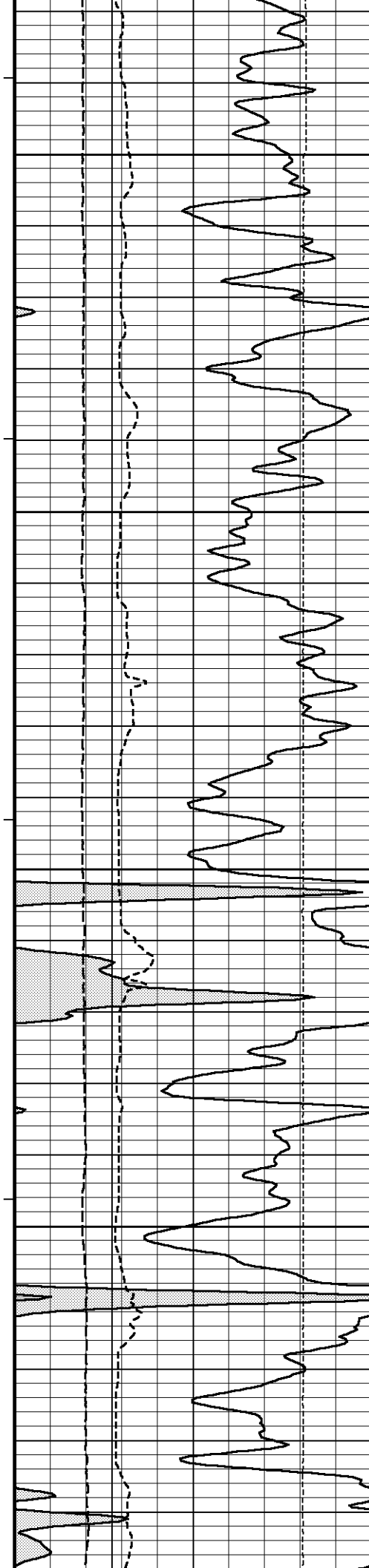
DST Uphole Tension



Deep Induction

Medium Induction

Shallow FE



5500

188°

5550

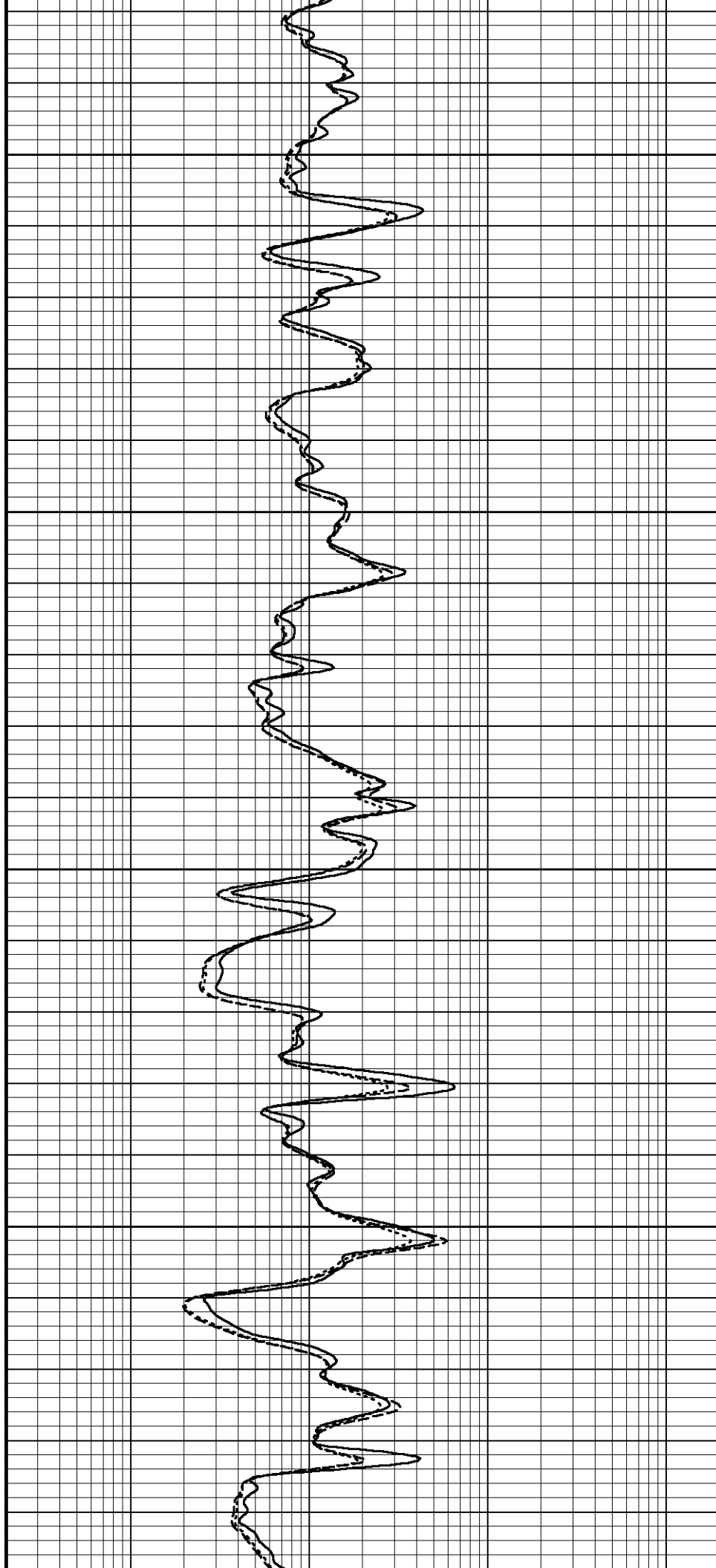
188°

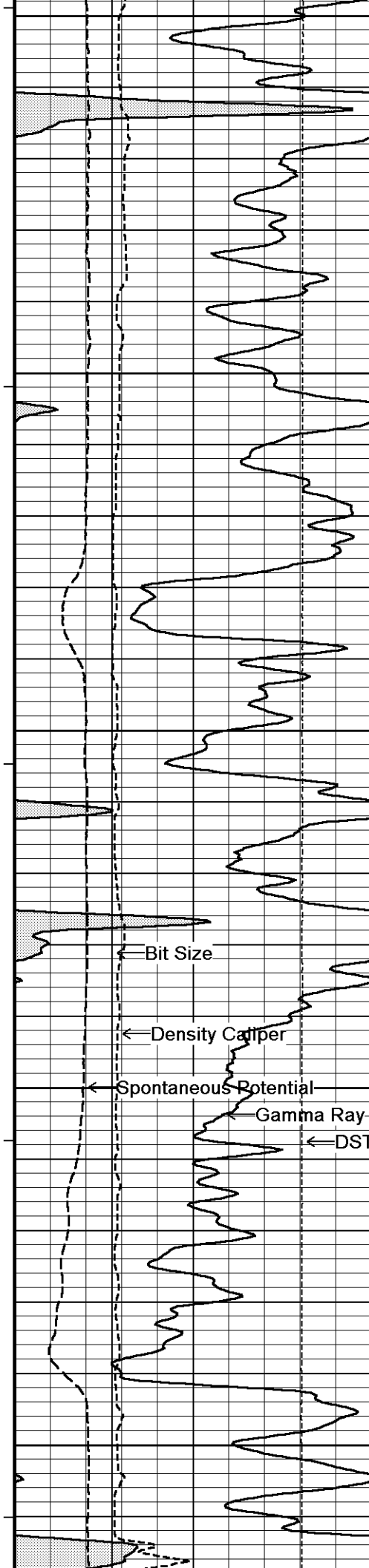
5600

189°

5650

189°





5700

190°

5750

190°

5800

191°

5850

191°

5900

← Bit Size

← Density Caliper

← Spontaneous Potential

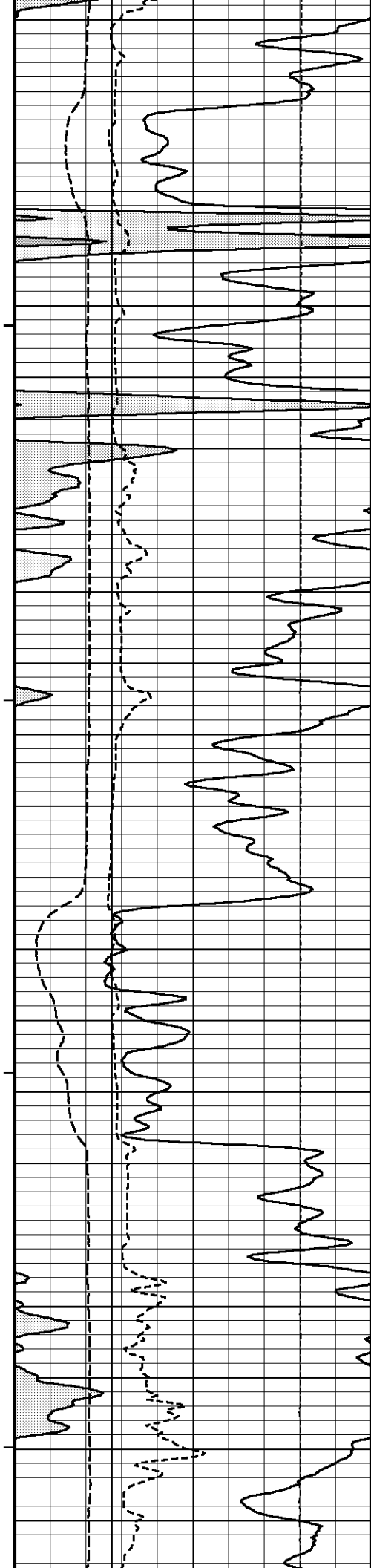
← Gamma Ray

← DST Uphole Tension

Deep Induction

Medium Induction

Shallow FE



191°

5950

192°

6000

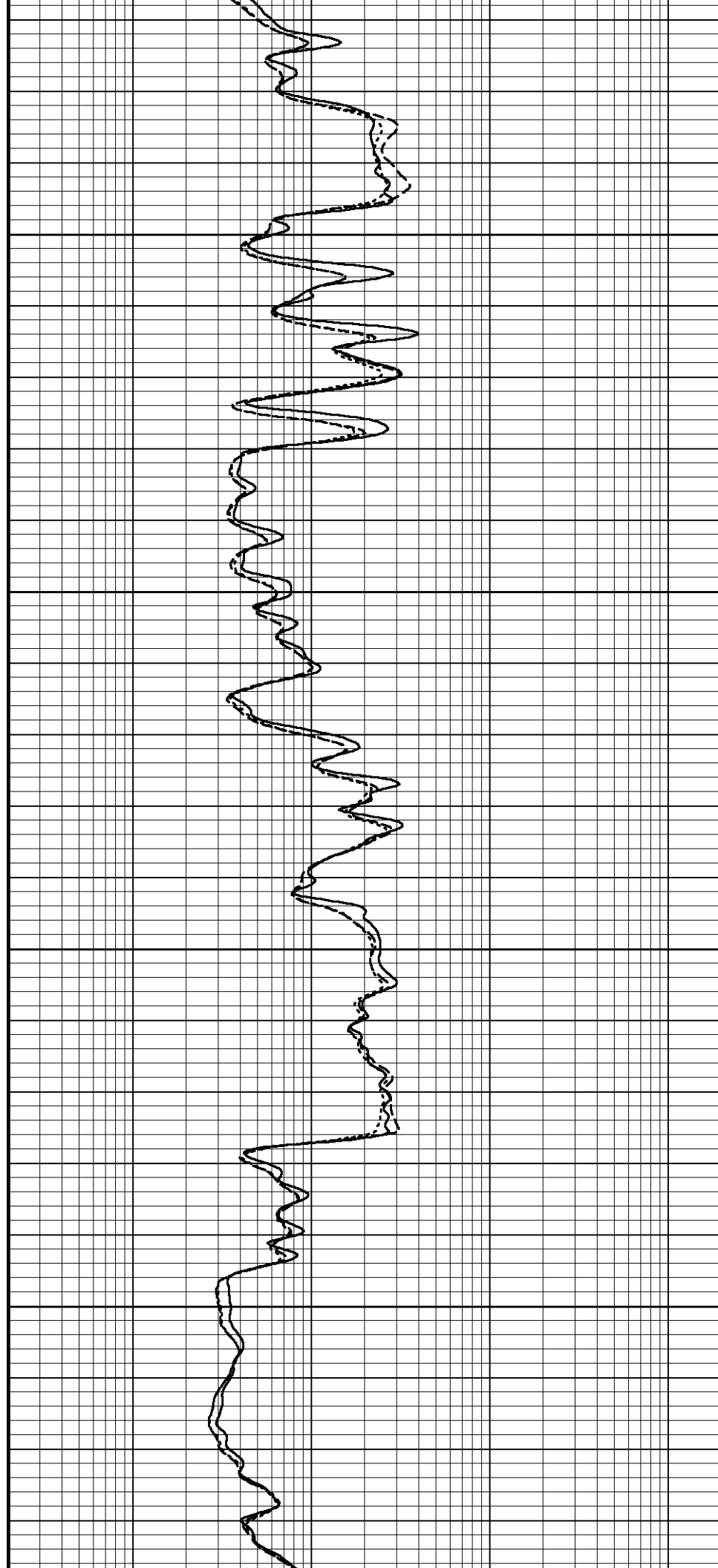
192°

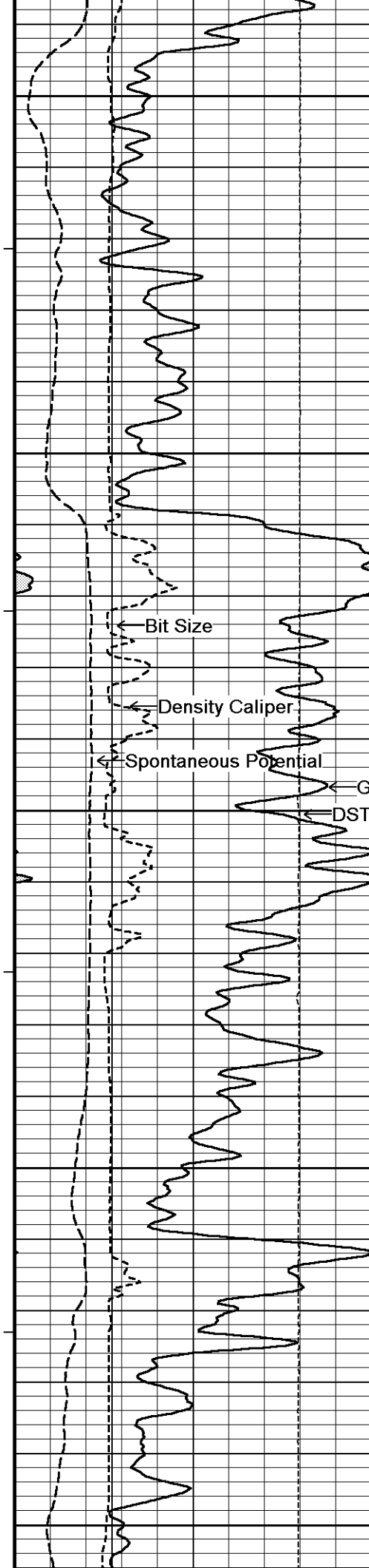
6050

193°

6100

193°





6150

194°

6200

194°

195°

6300

195°

6350

Bit Size

Density Caliper

Spontaneous Potential

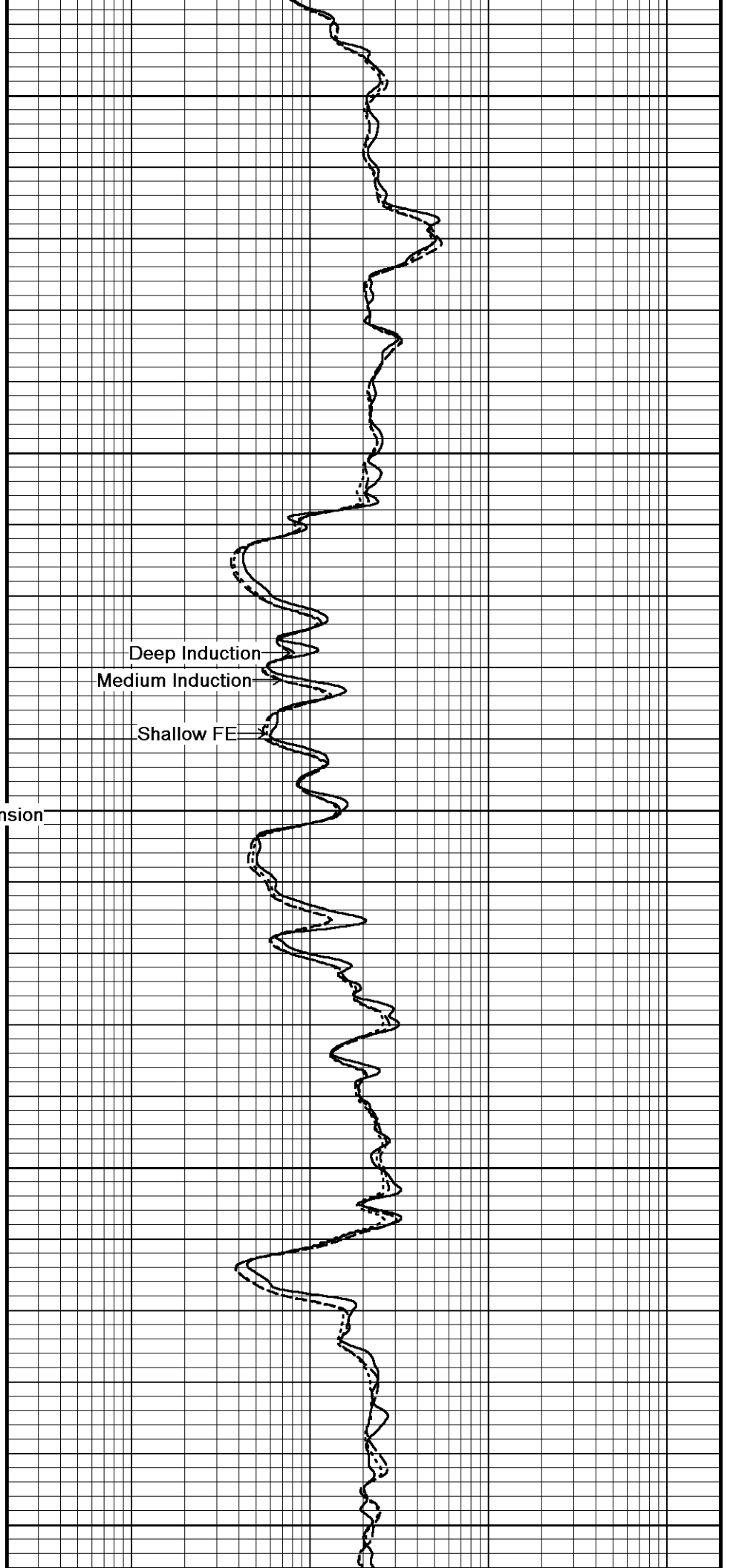
Gamma Ray

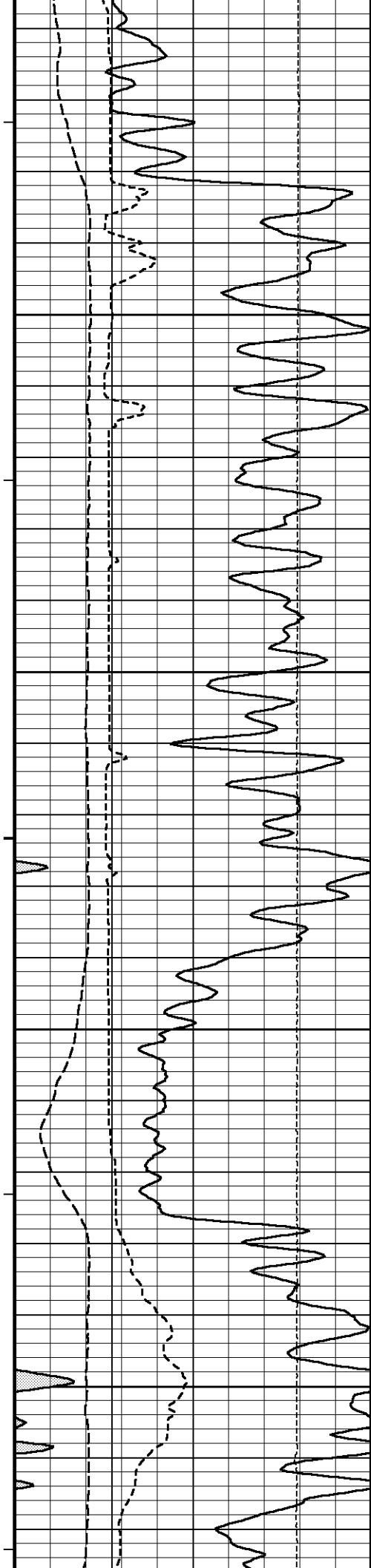
DST Up

6250 Tension

Deep Induction
Medium Induction

Shallow FE





195°

6400

196°

6450

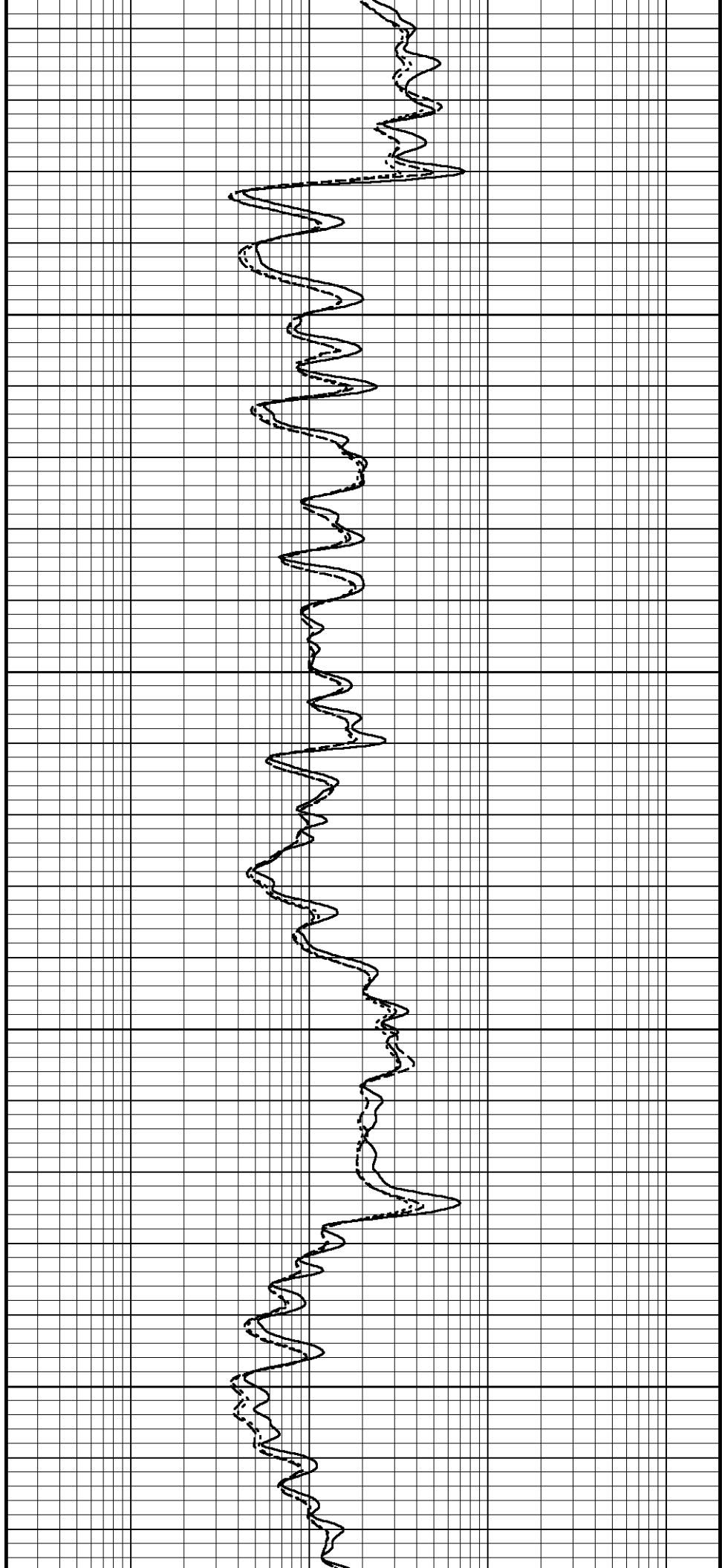
196°

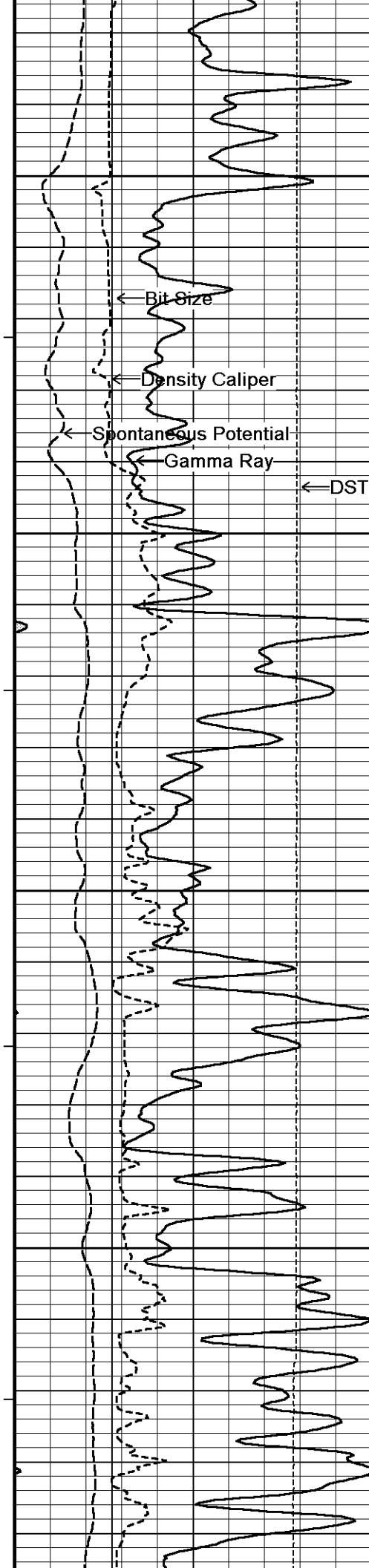
6500

197°

6550

197°





187

6600

198°

← Bit Size

← Density Caliper

← Spontaneous Potential

← Gamma Ray

← DST Uphole Tension

6650

198°

6700

198°

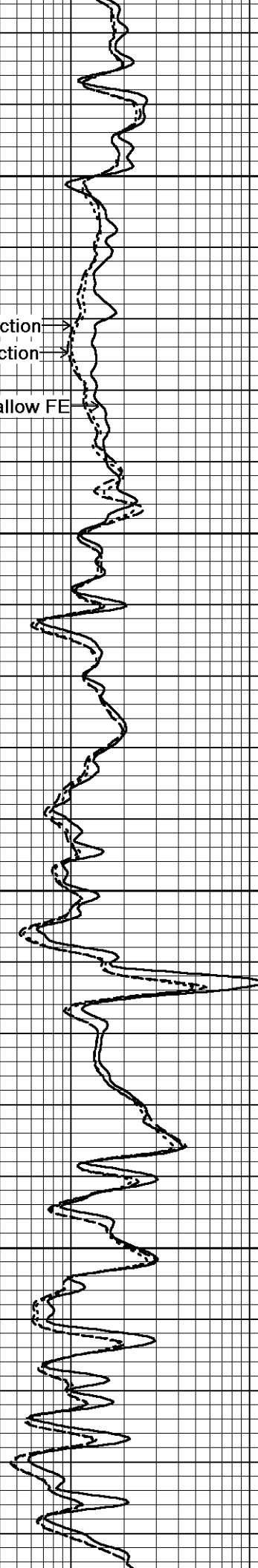
6750

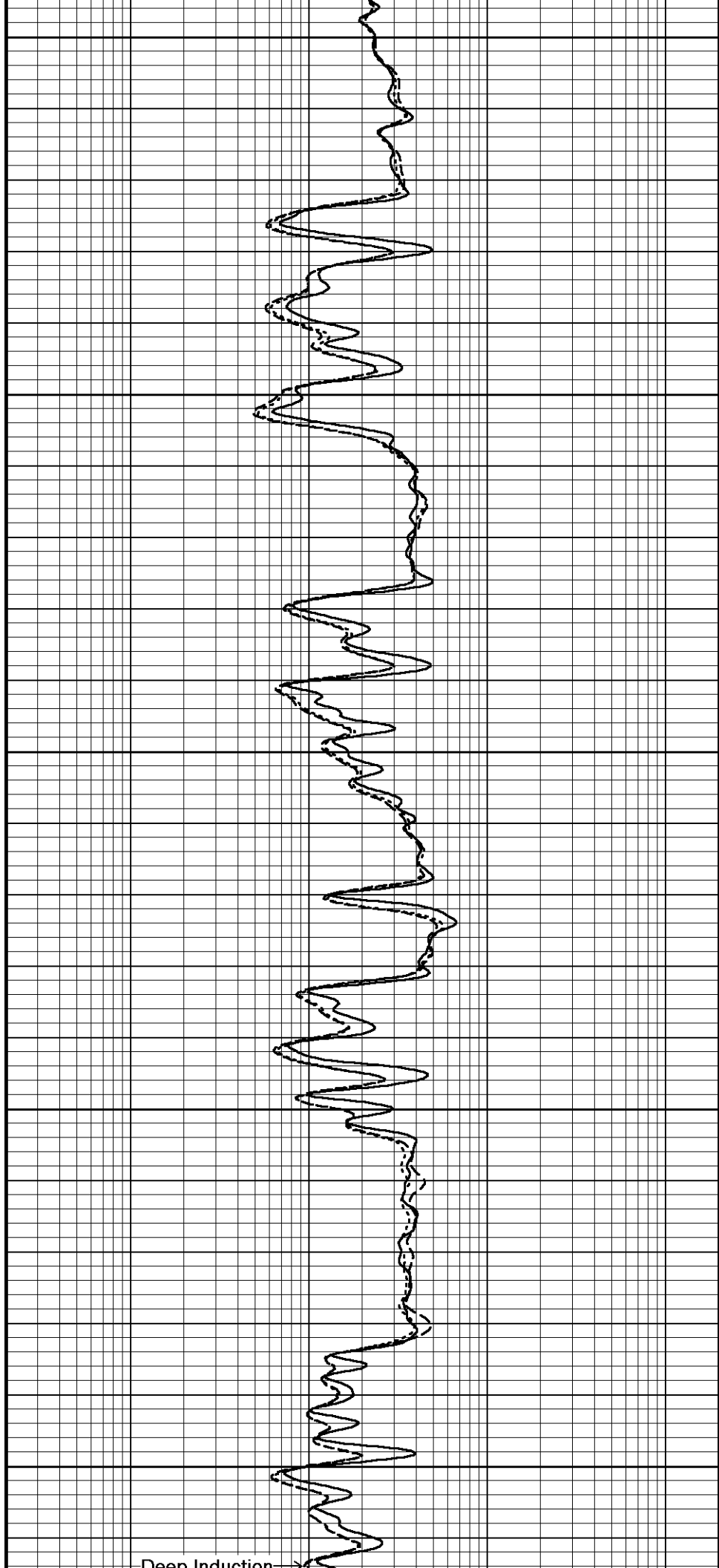
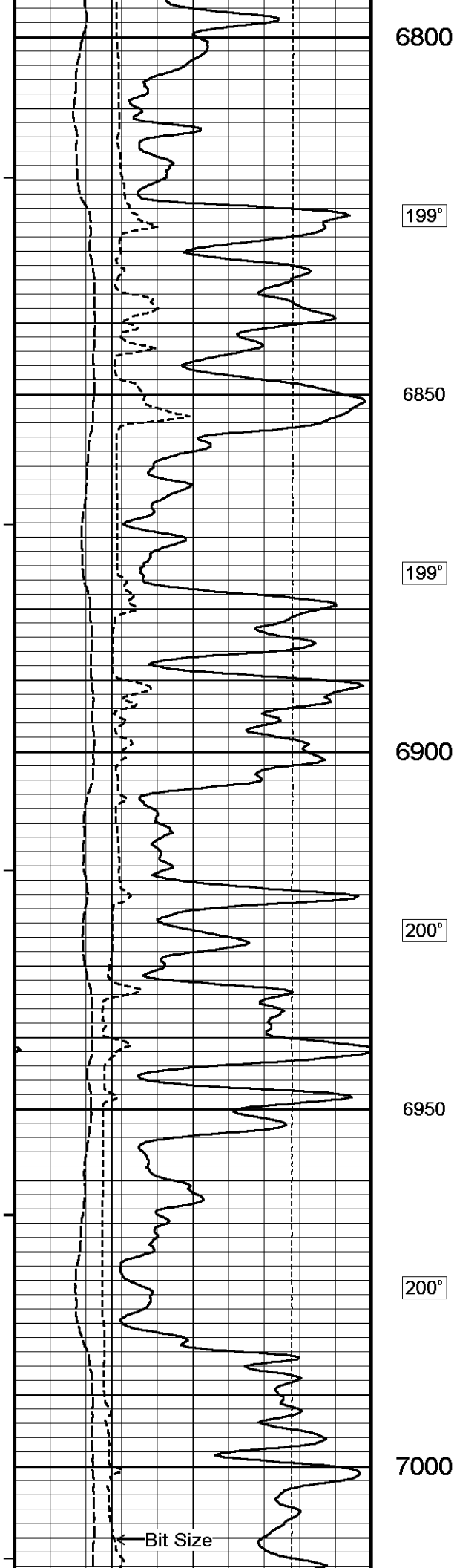
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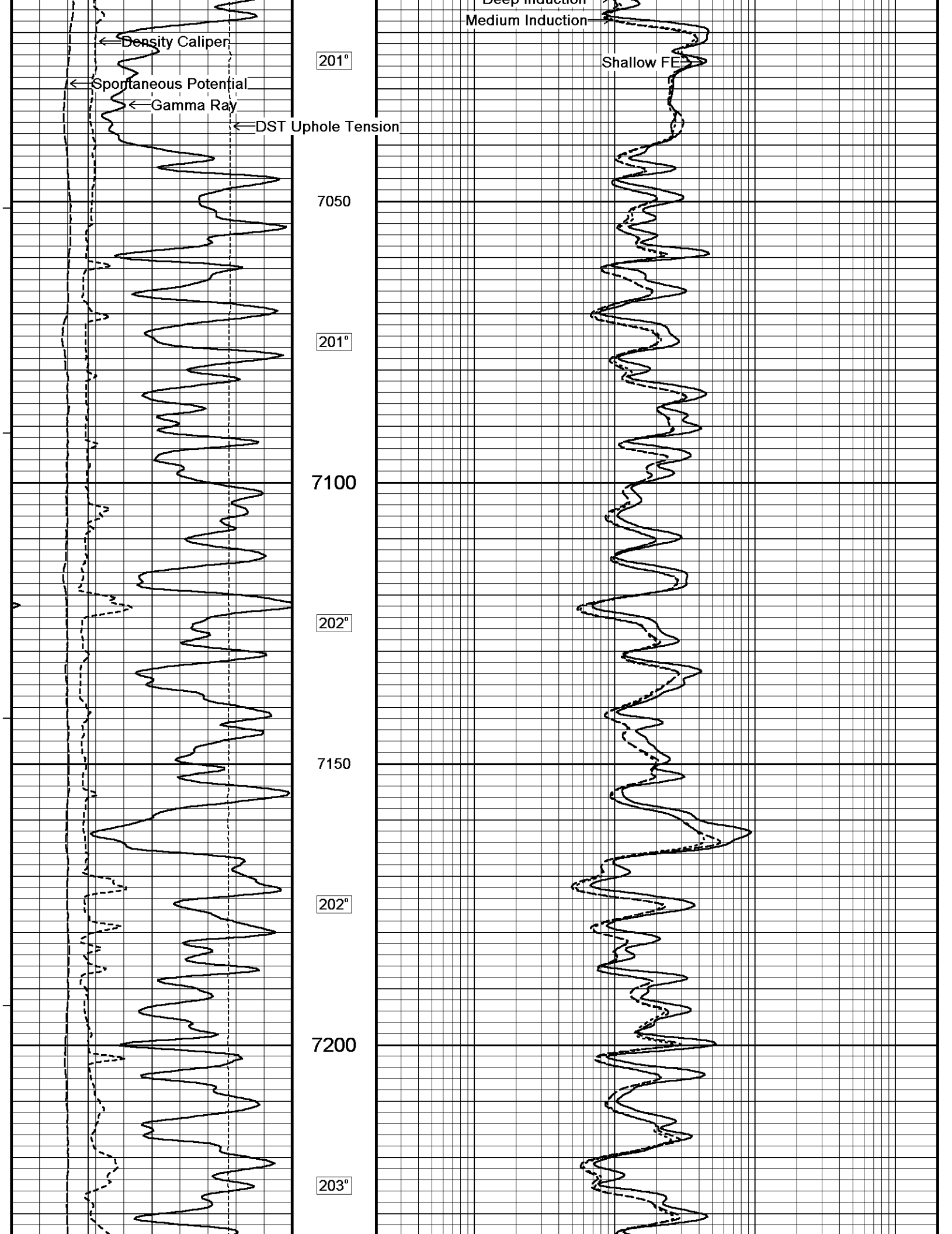
Deep Induction

Medium Induction

Shallow FE









7250

204°

7300

204°

7350

205°

7400

205°

7450

Bit Size

Density Caliper

Spontaneous Potential

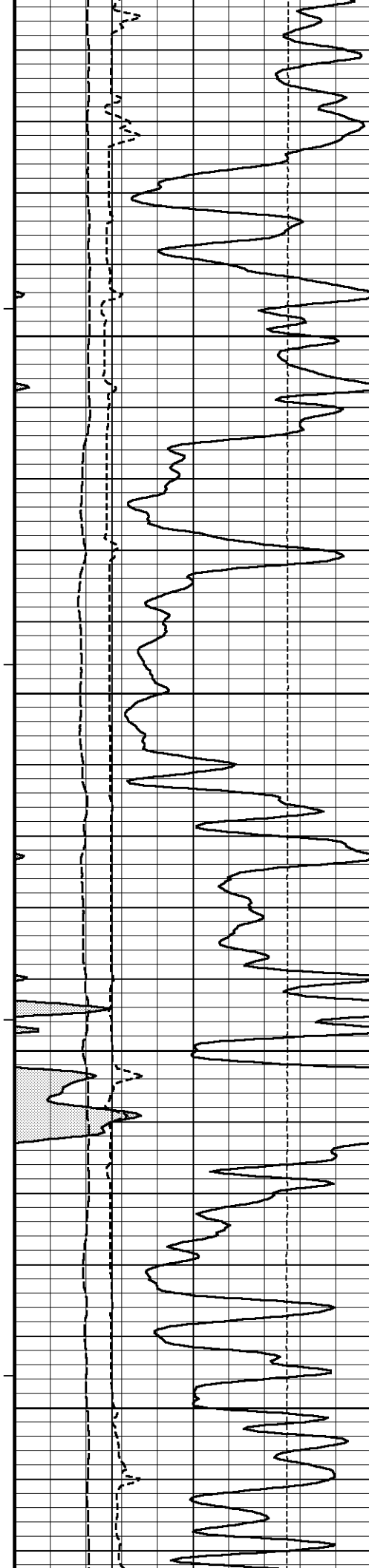
Gamma Ray

DST Uphole Tension

Deep Induction

Medium Induction

Shallow FE



206°

7500

206°

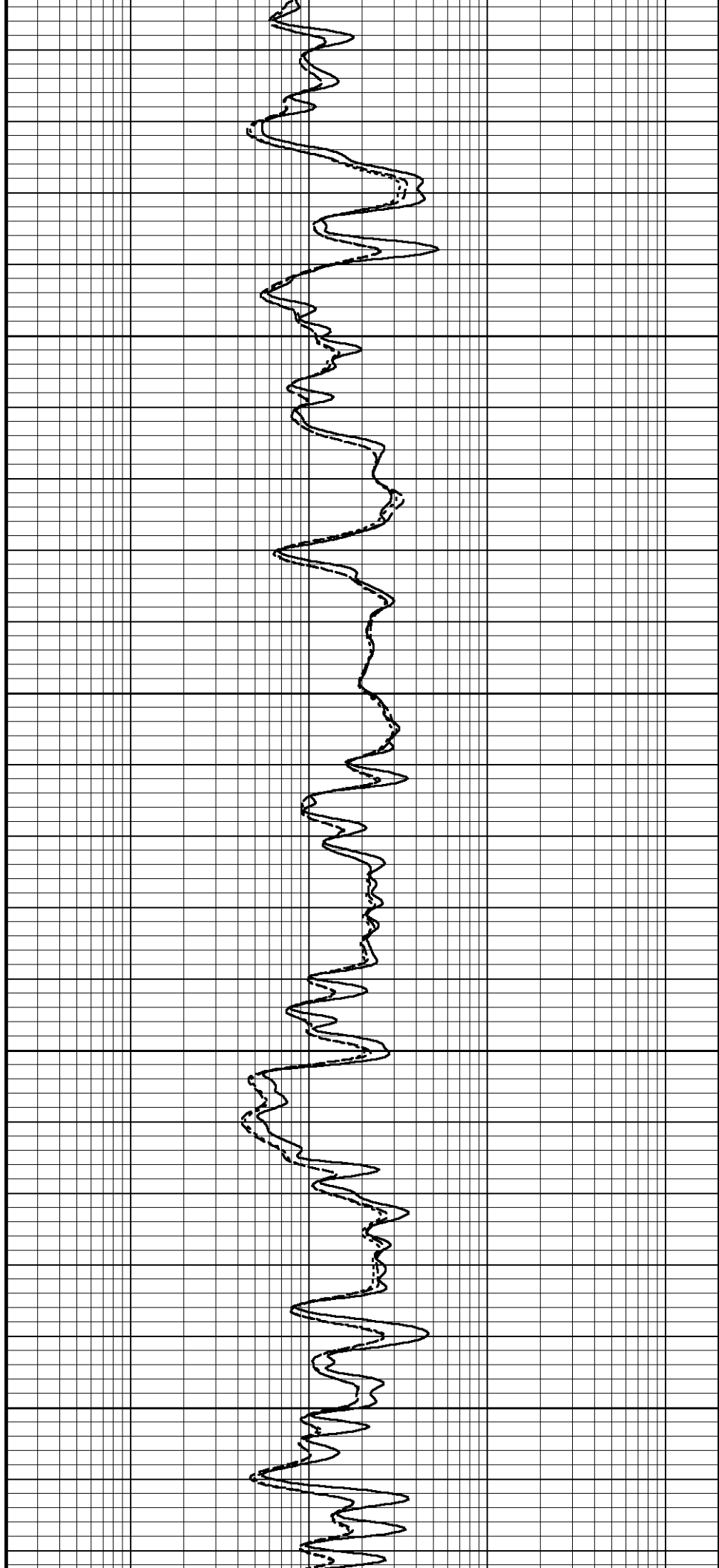
7550

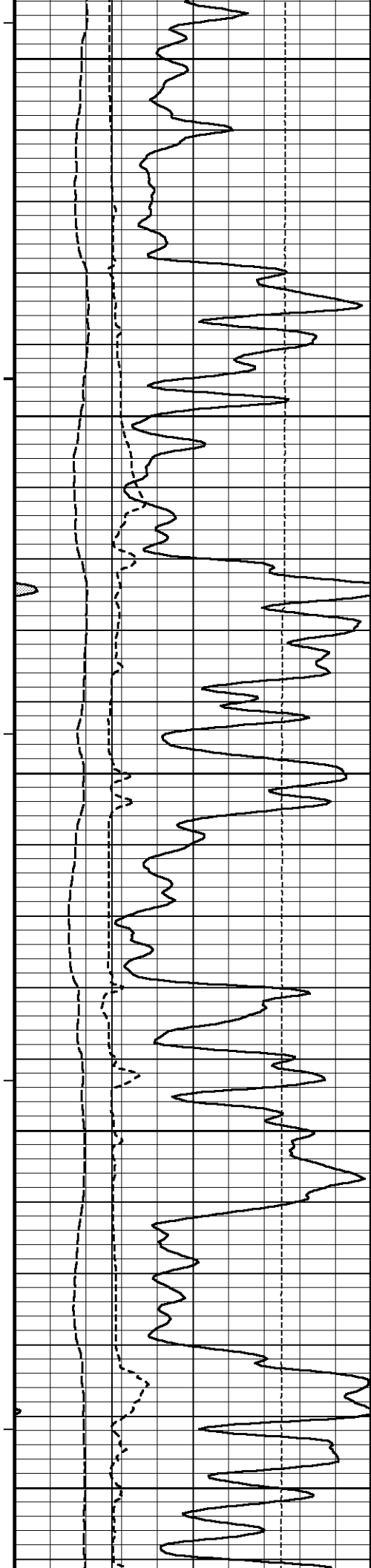
206°

7600

207°

7650





7900

209°

7950

209°

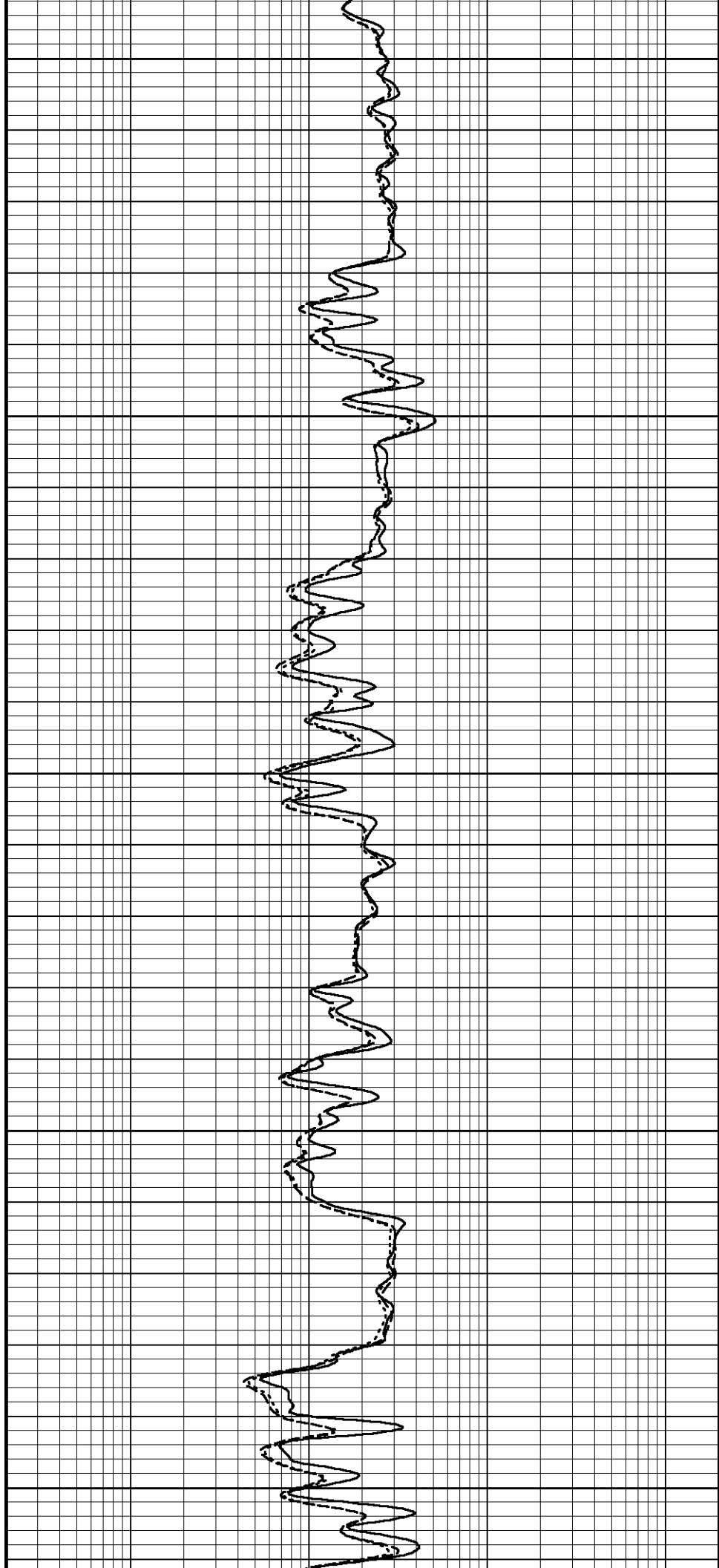
8000

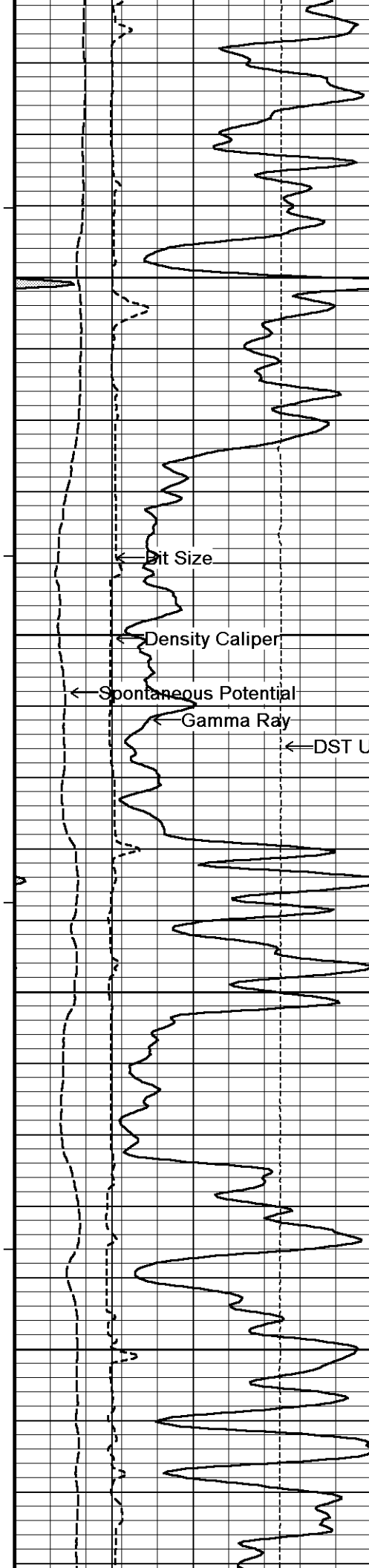
209°

8050

210°

8100





210°

8150

210°

8200

211°

8250

211°

8300

212°

Pit Size

Density Caliper

Spontaneous Potential

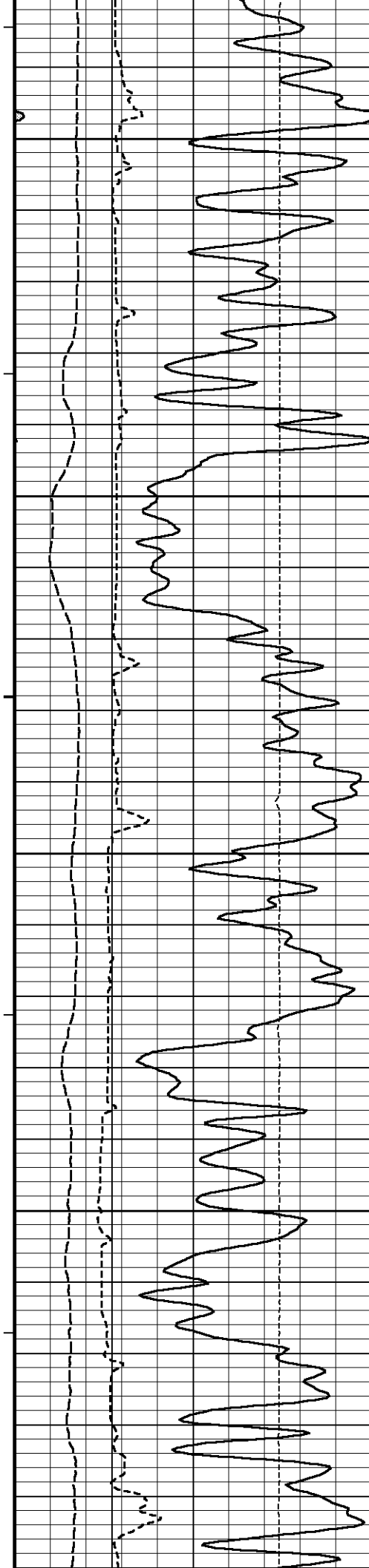
Gamma Ray

DST Uphole Tension

Deep Induction

Medium Induction

Shallow FE



8350

213°

8400

213°

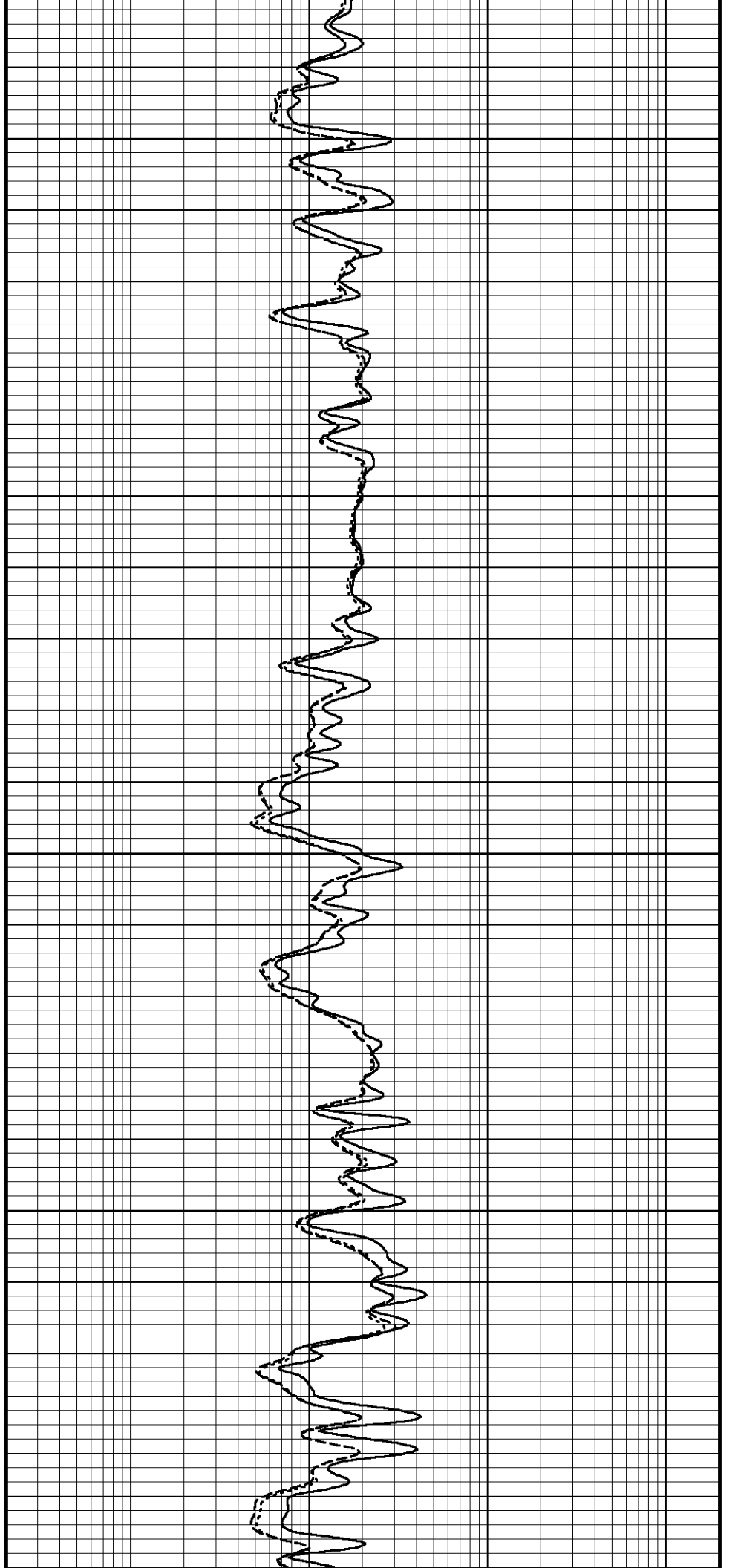
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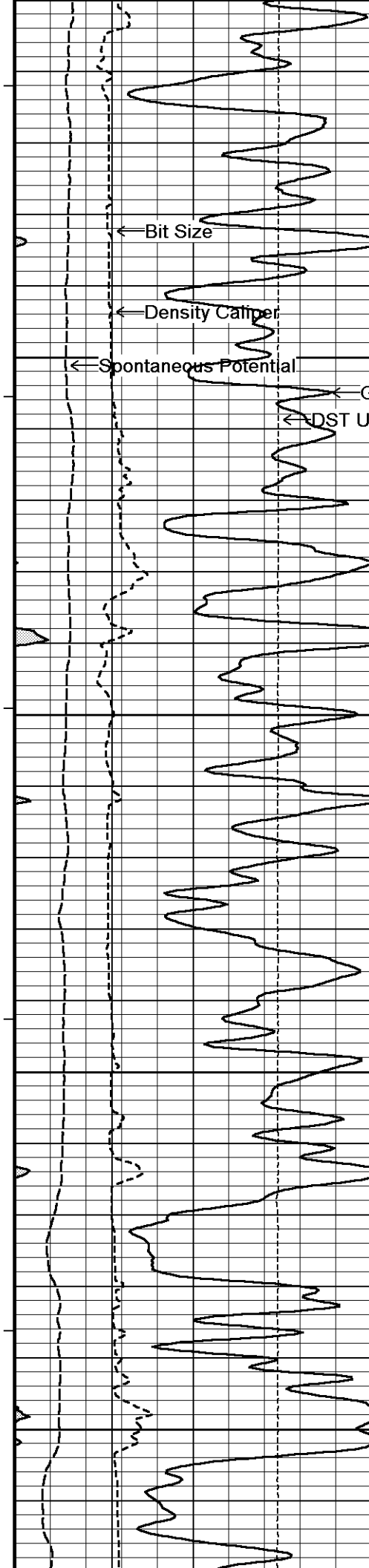
213°

8500

214°

8550





214°

8600

215°

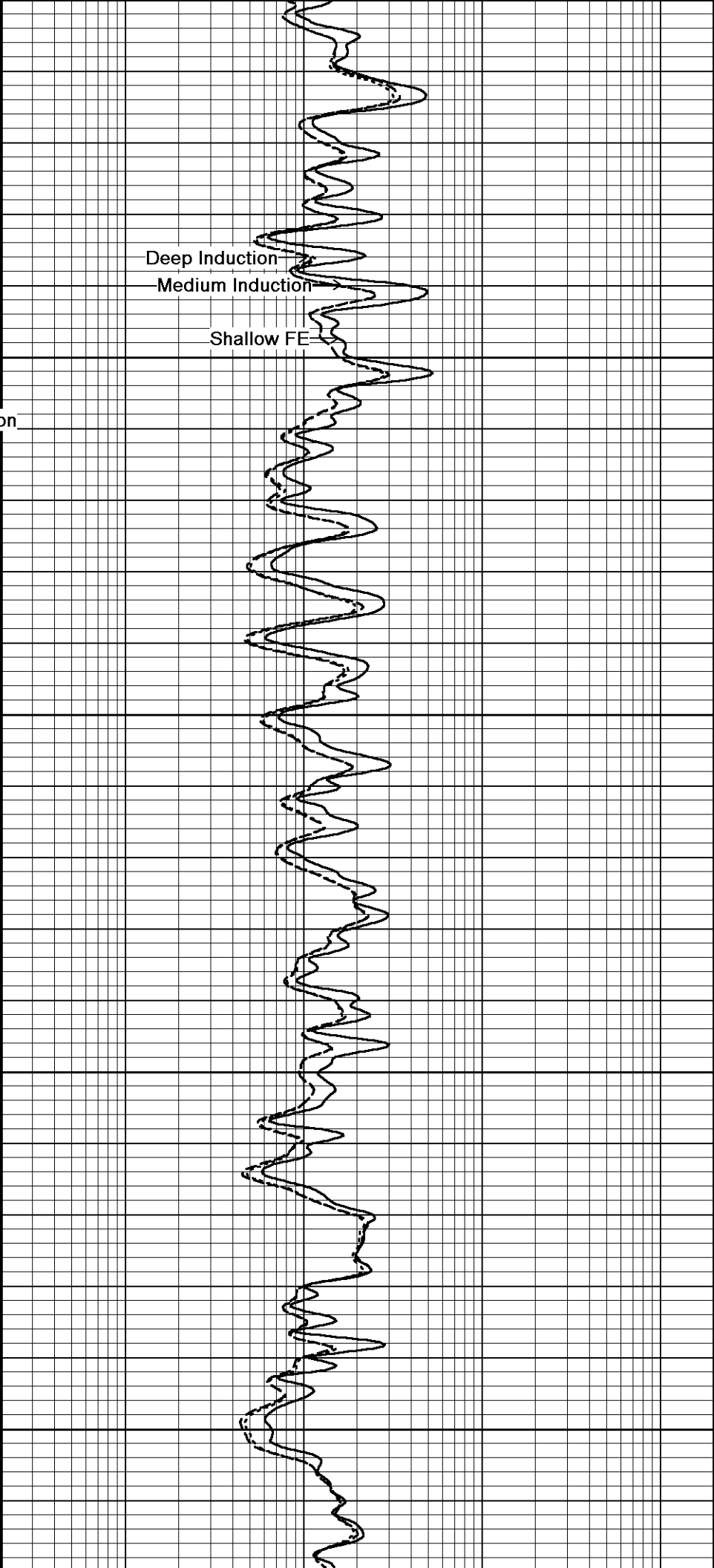
8650

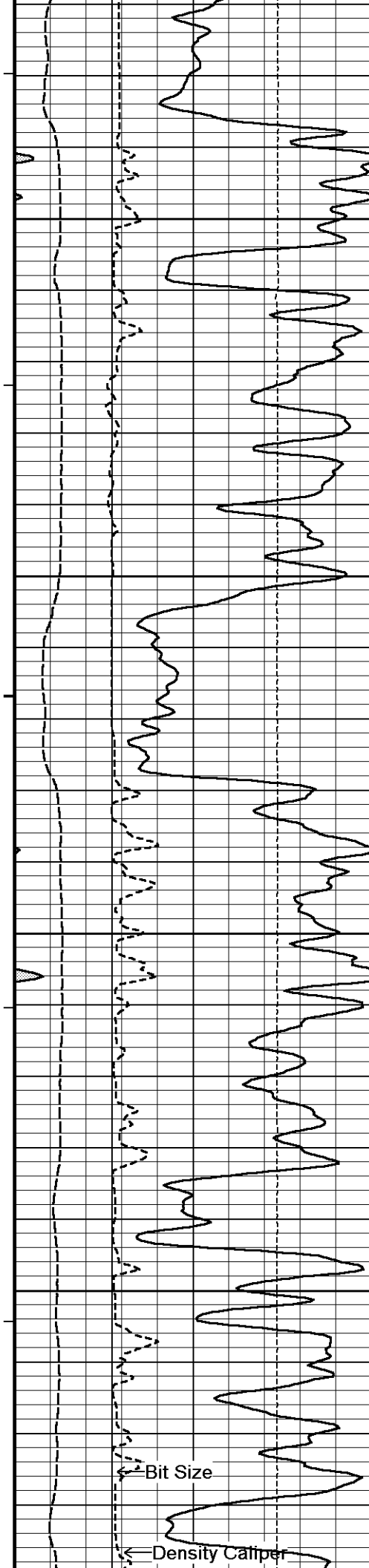
215°

8700

216°

8750





216°

8800

217°

8850

217°

8900

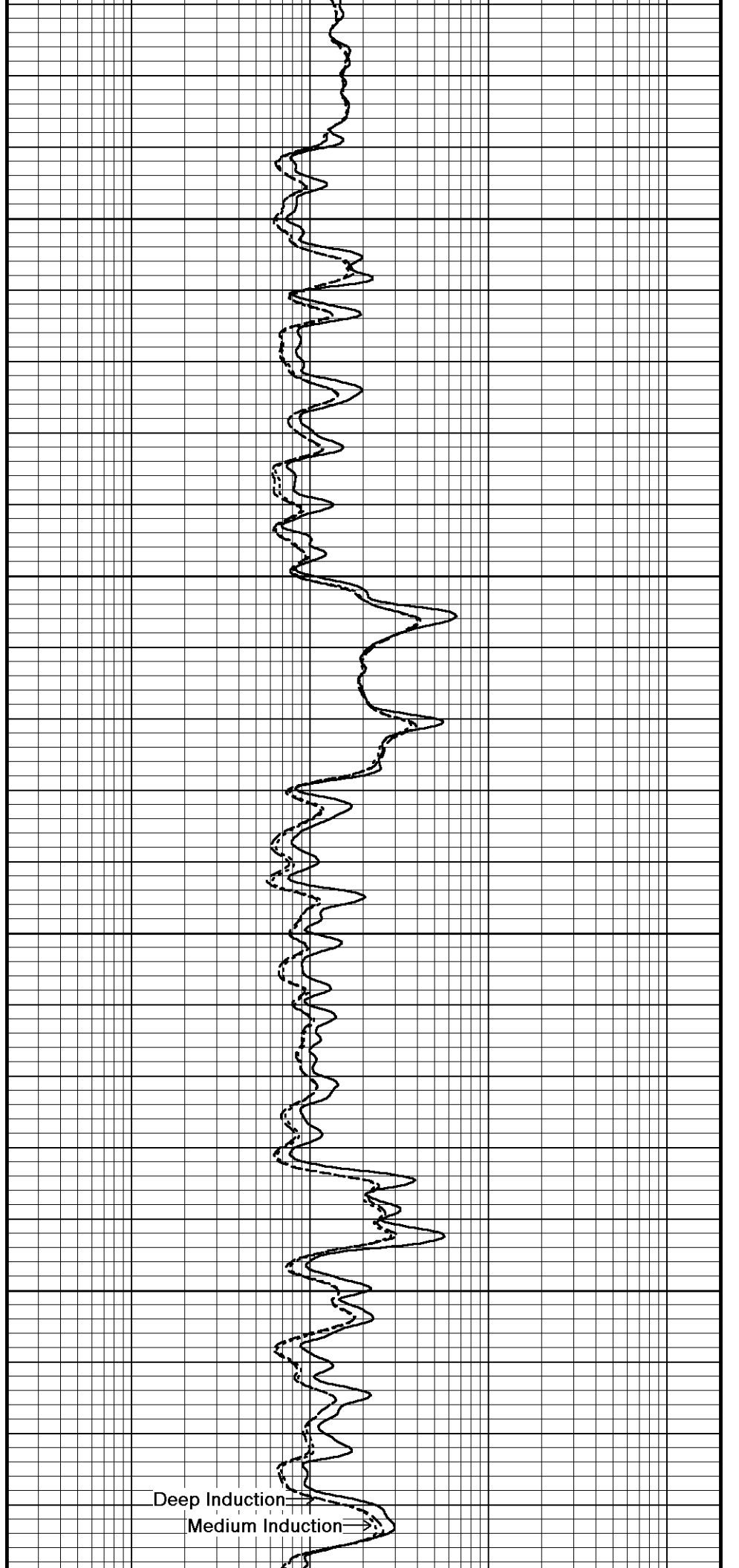
217°

8950

217°

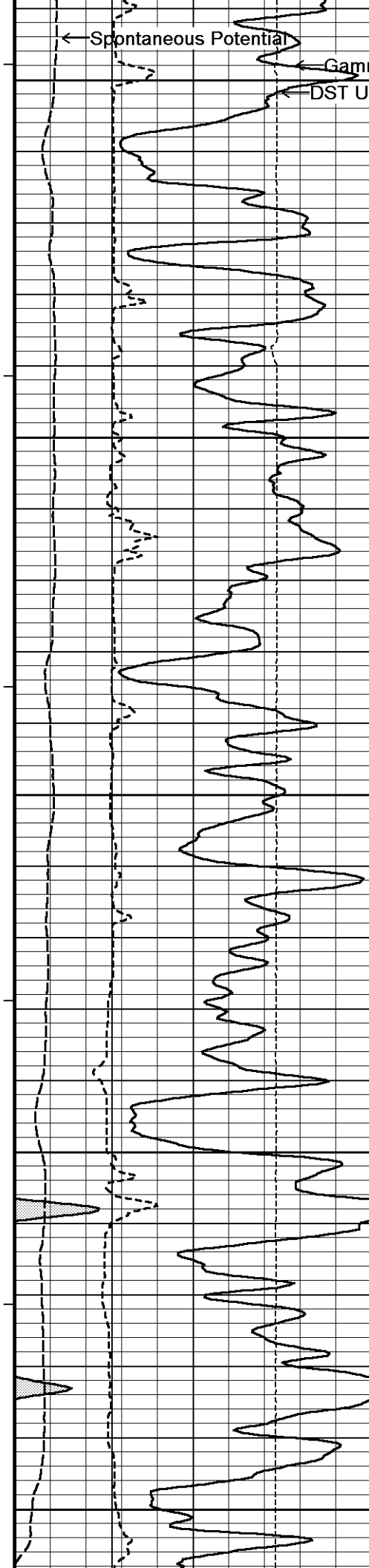
Bit Size

Density Caliper



Deep Induction

Medium Induction



9000
DST Upflow

217°

9050

218°

9100

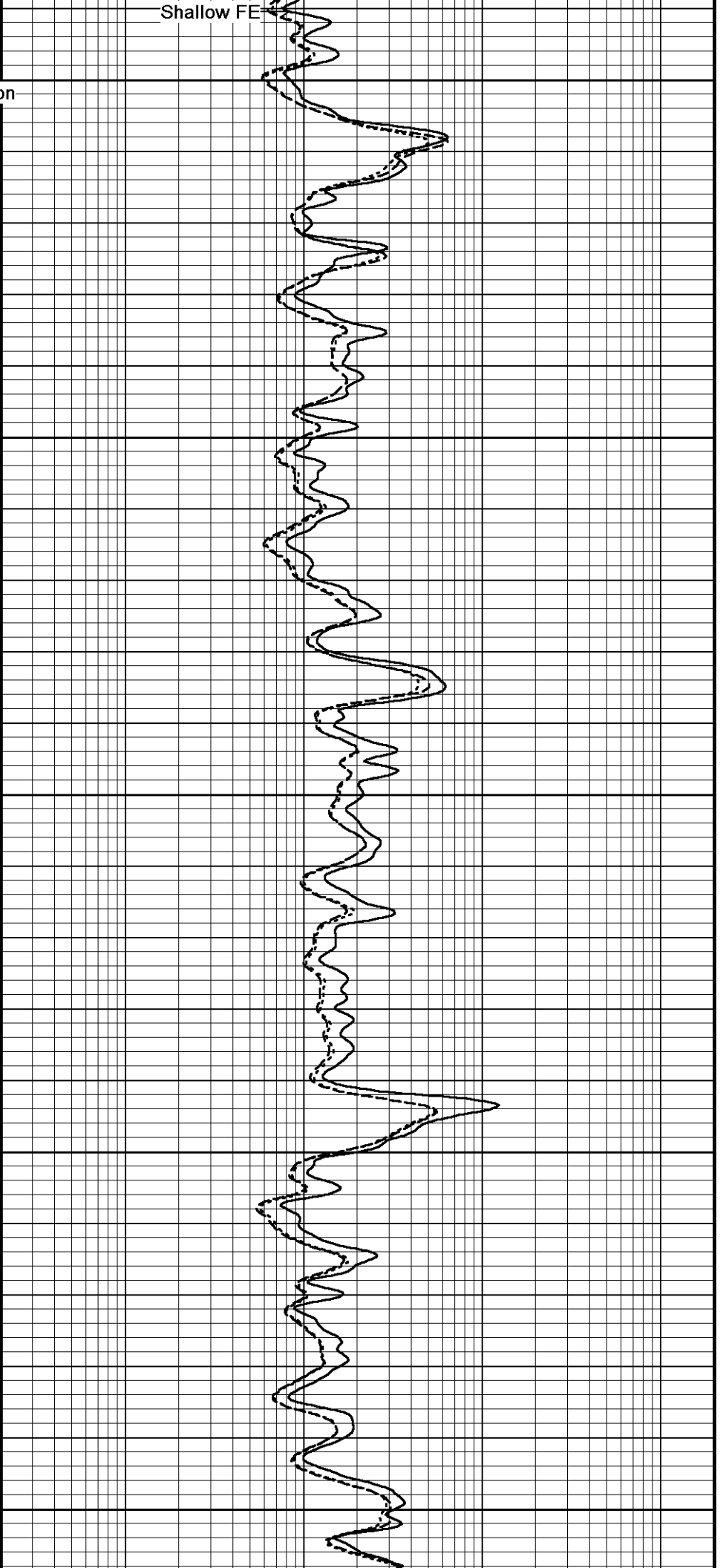
218°

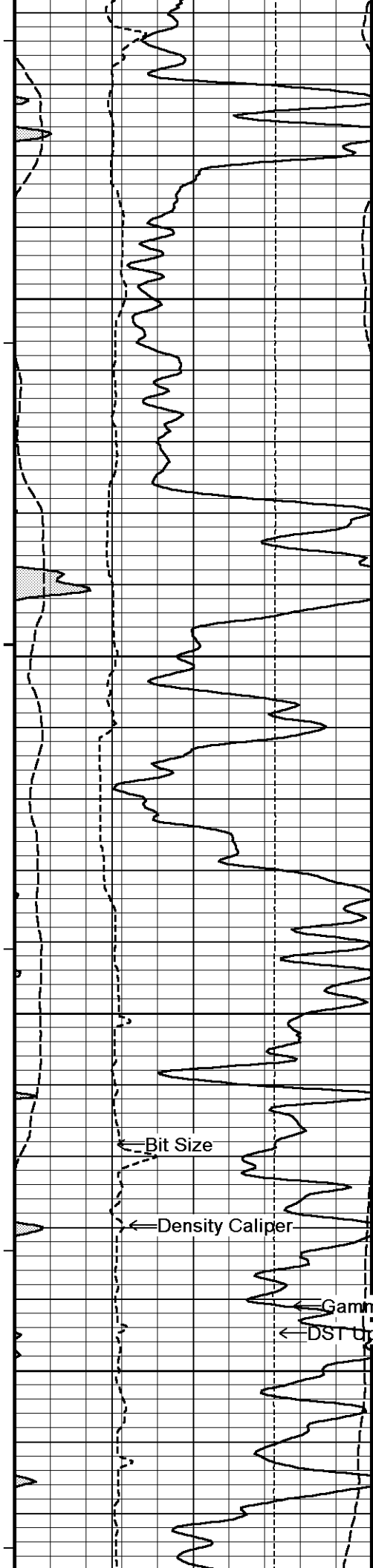
9150

219°

9200

Shallow FE





220°

9250

220°

9300

220°

9350

Bit Size

222°

Density Caliper

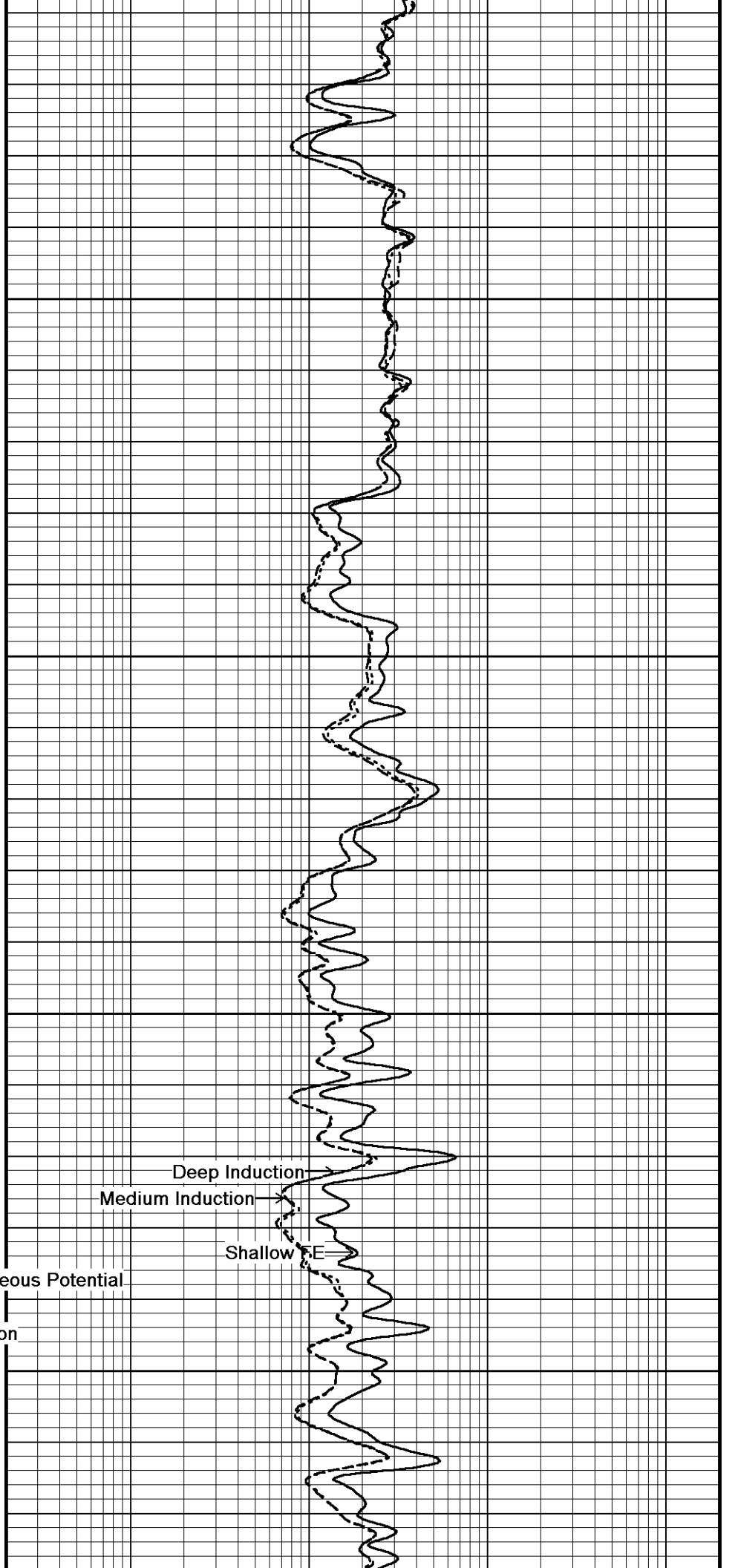
Spontaneous Potential

Gamma Ray

DST Uphole Tension

9400

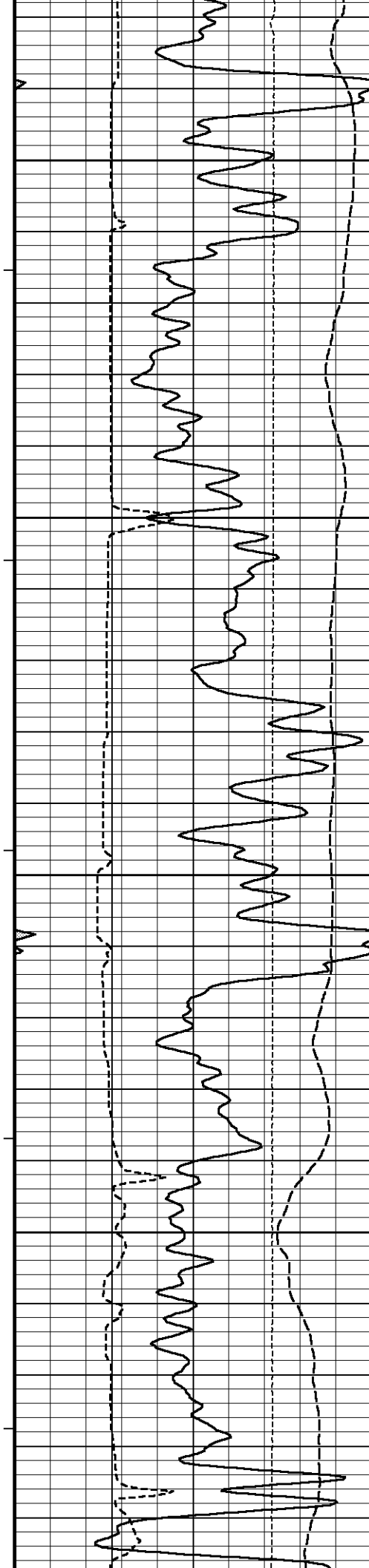
223°



Deep Induction

Medium Induction

Shallow Induction



9450

223°

9500

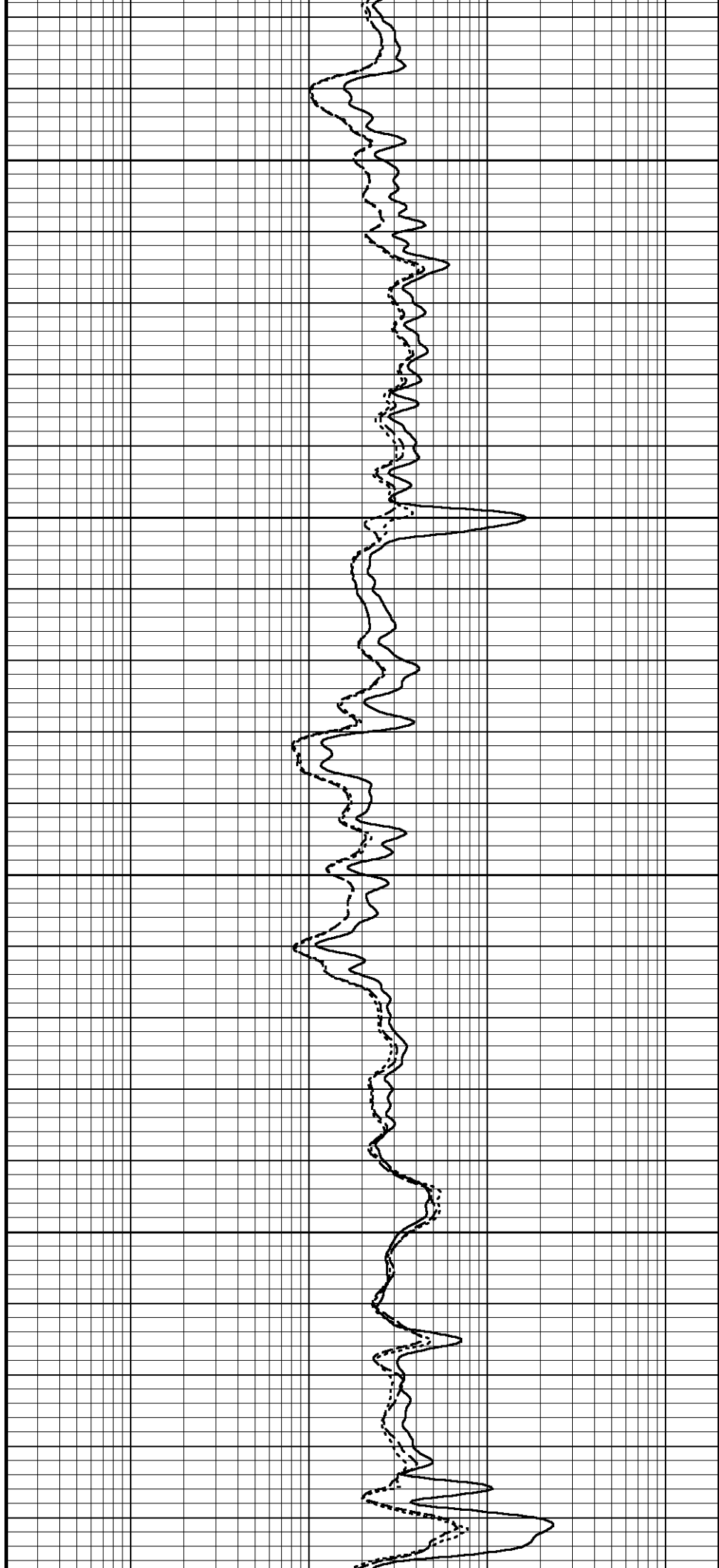
224°

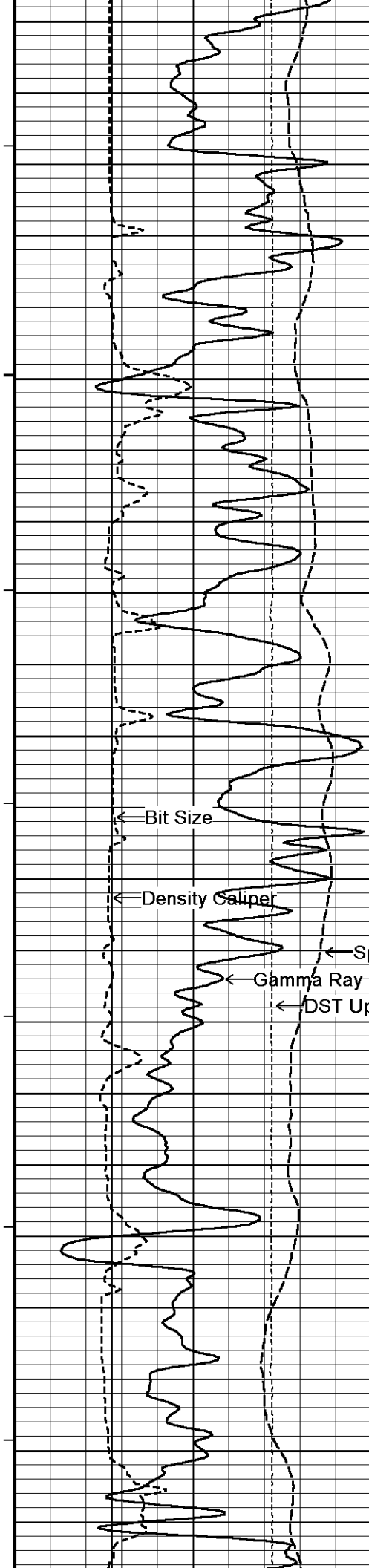
9550

224°

9600

225°





9650

227°

9700

228°

9750

229°

9800

229°

9850

← Bit Size

← Density Caliper

← Spontaneous Potential

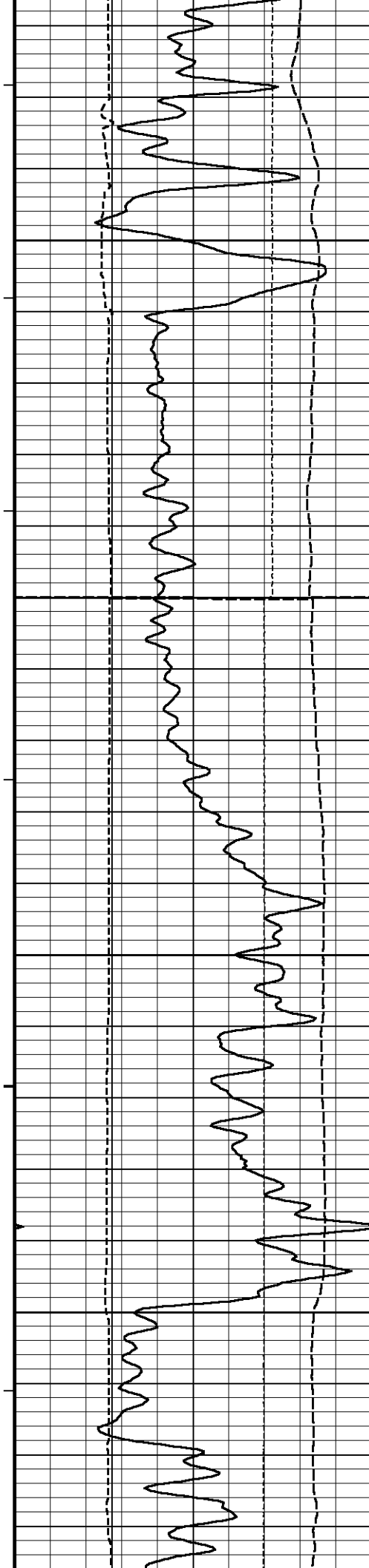
← Gamma Ray

← DST Uphole Tension

Deep Induction →

Medium Induction →

Shallow FF →



231°

9900

232°

9950

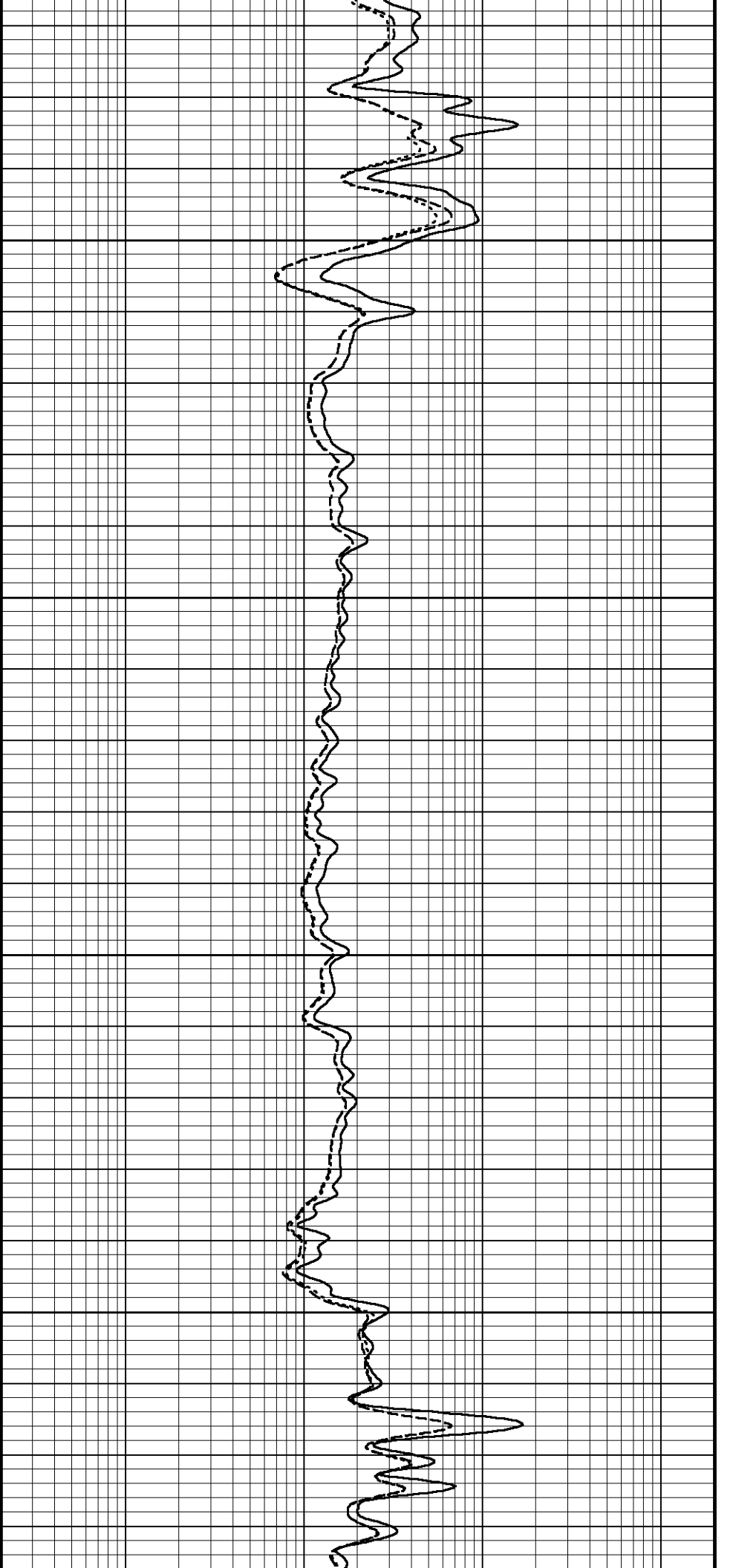
227°

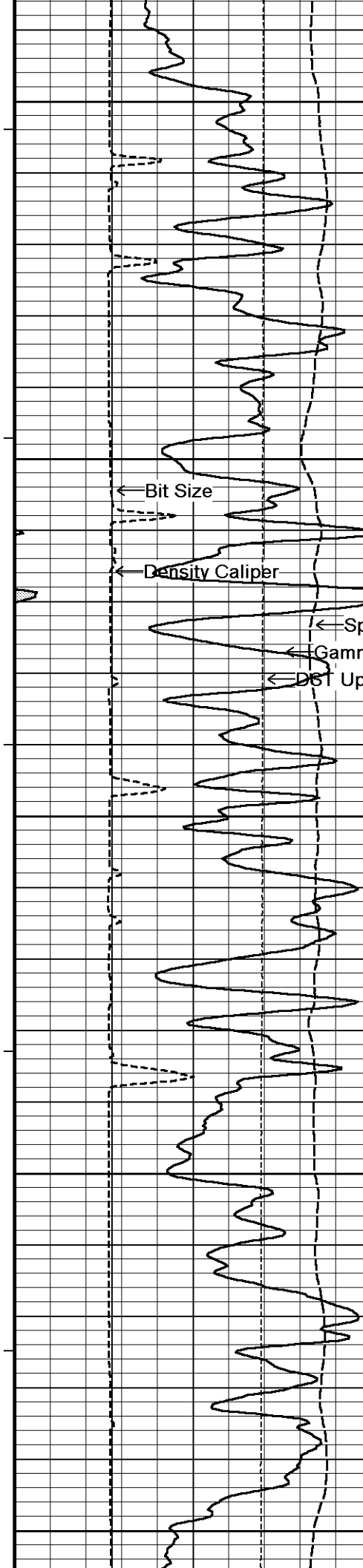
10000

227°

10050

228°





10100

230°

10150

← Bit Size

← Density Caliper

← Spontaneous Potential

← Gamma Ray

← DST Uphole Tension

10200

232°

10250

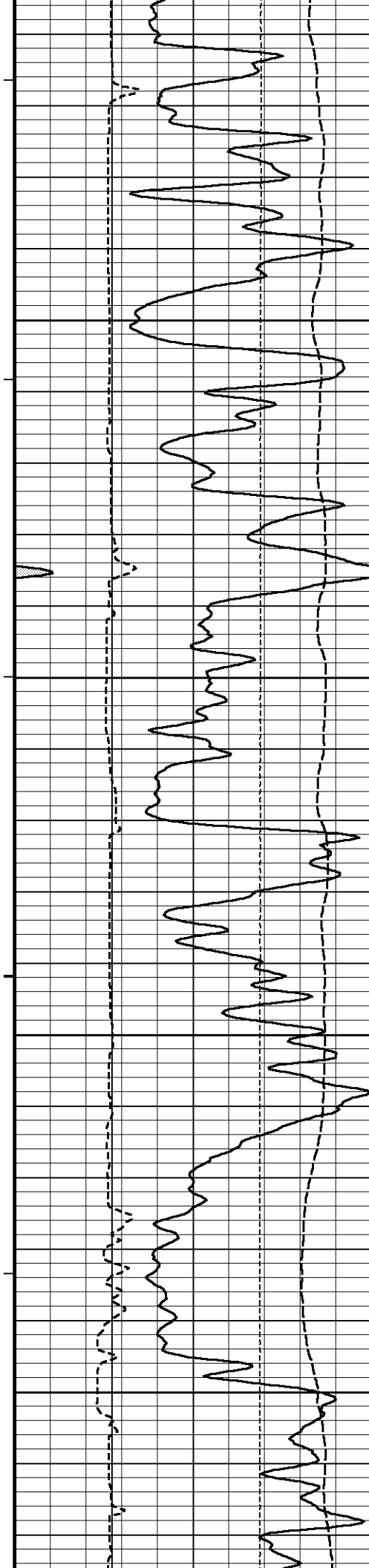
233°

10300

Deep Induction

Medium Induction

Shallow FE



233°

10350

233°

10400

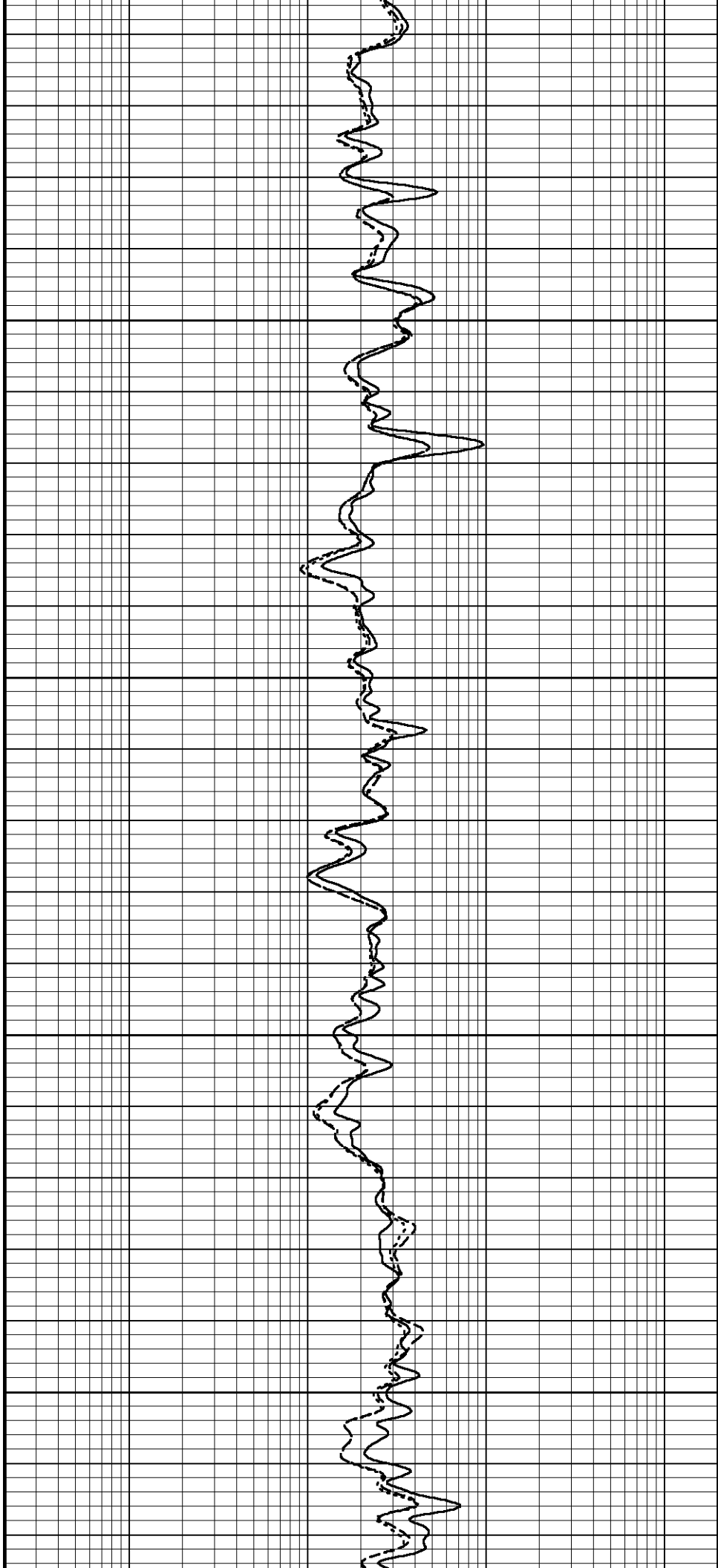
232°

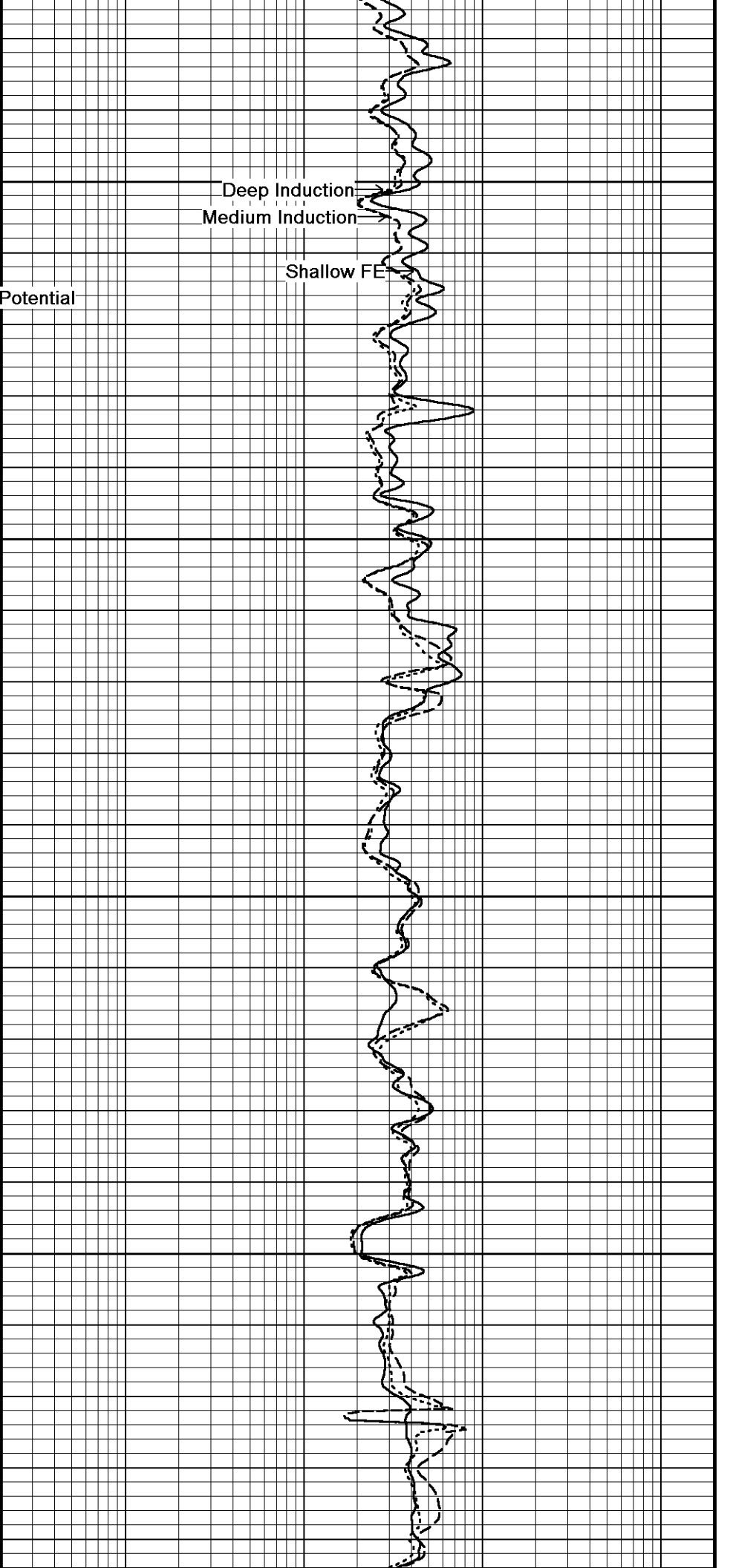
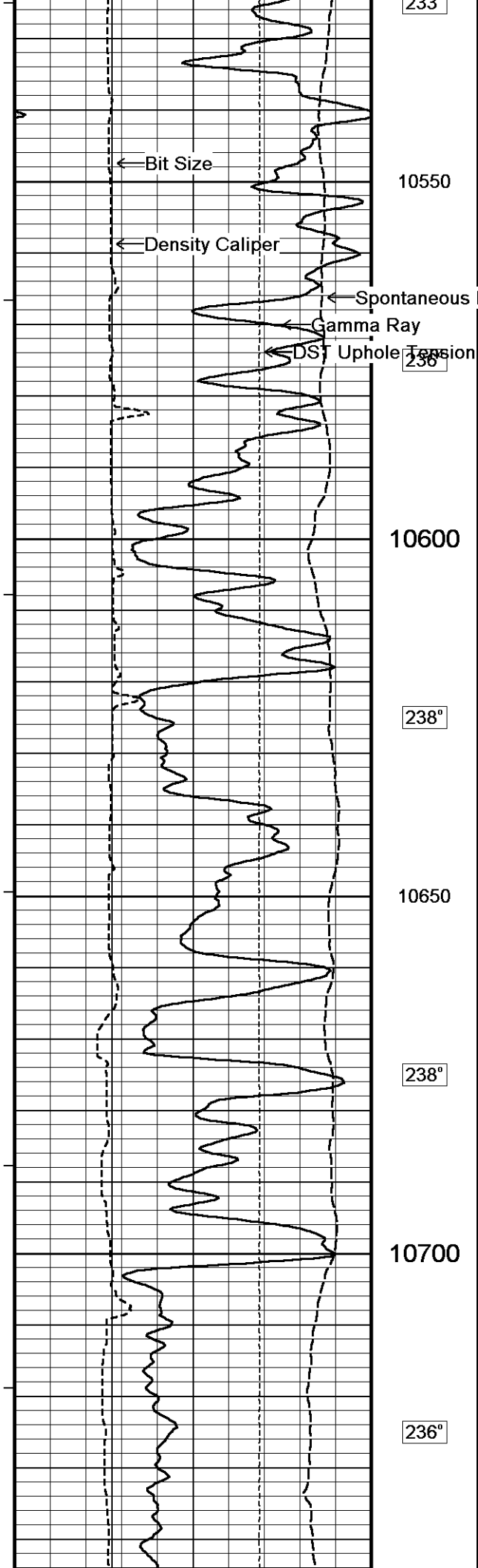
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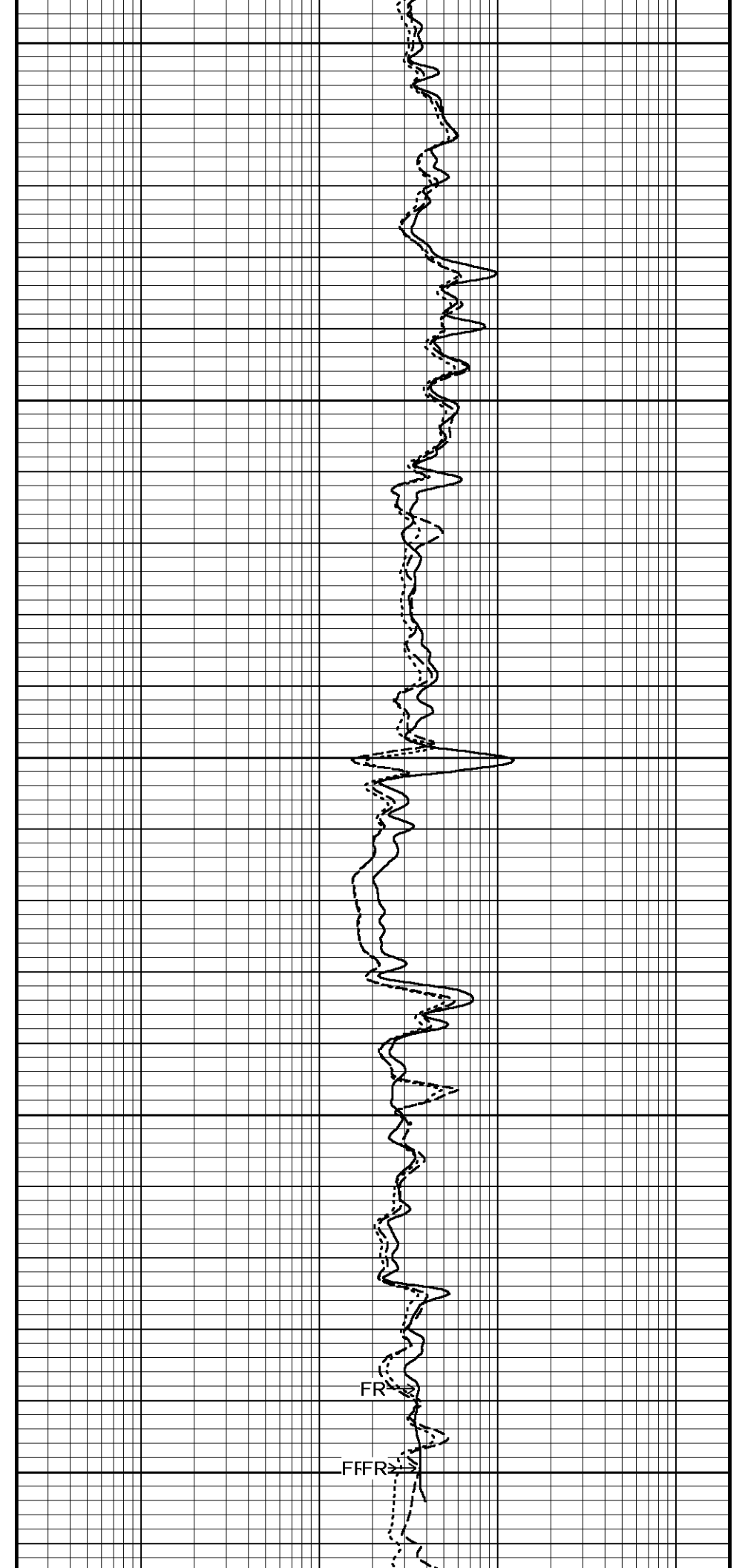
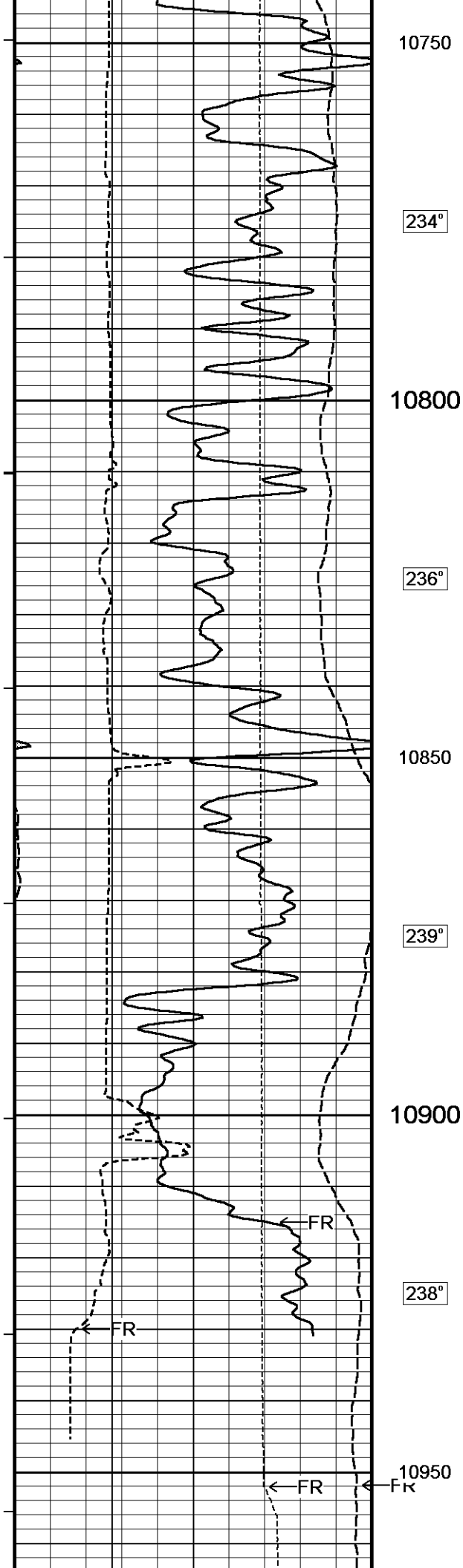
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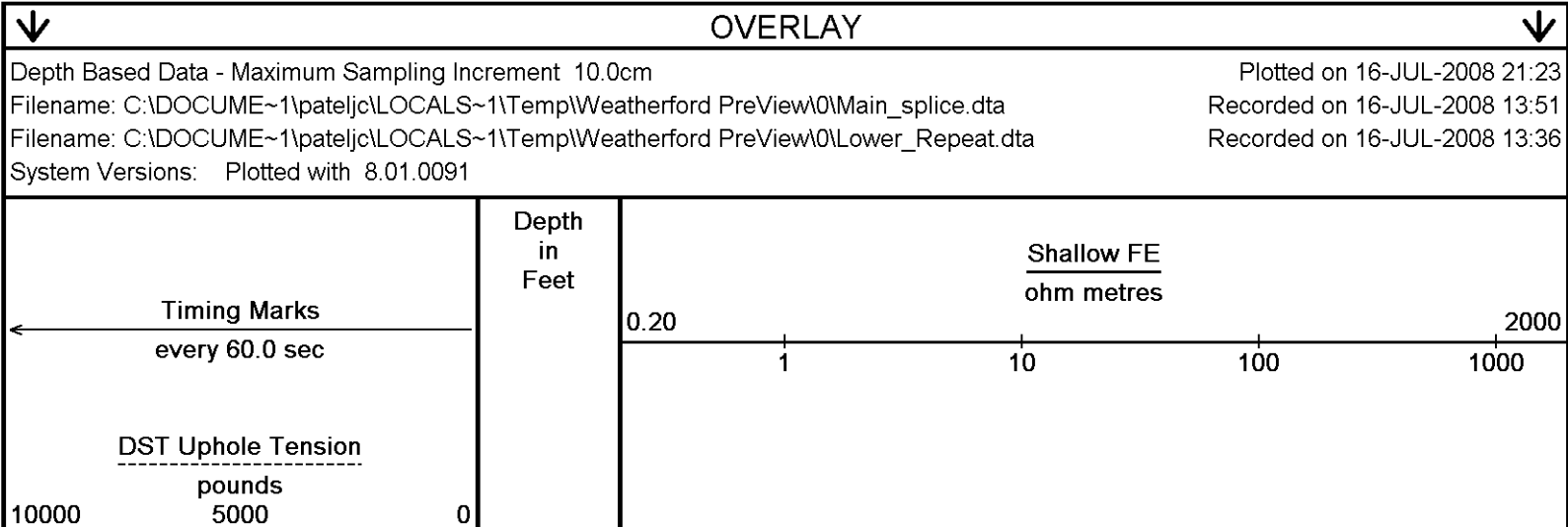
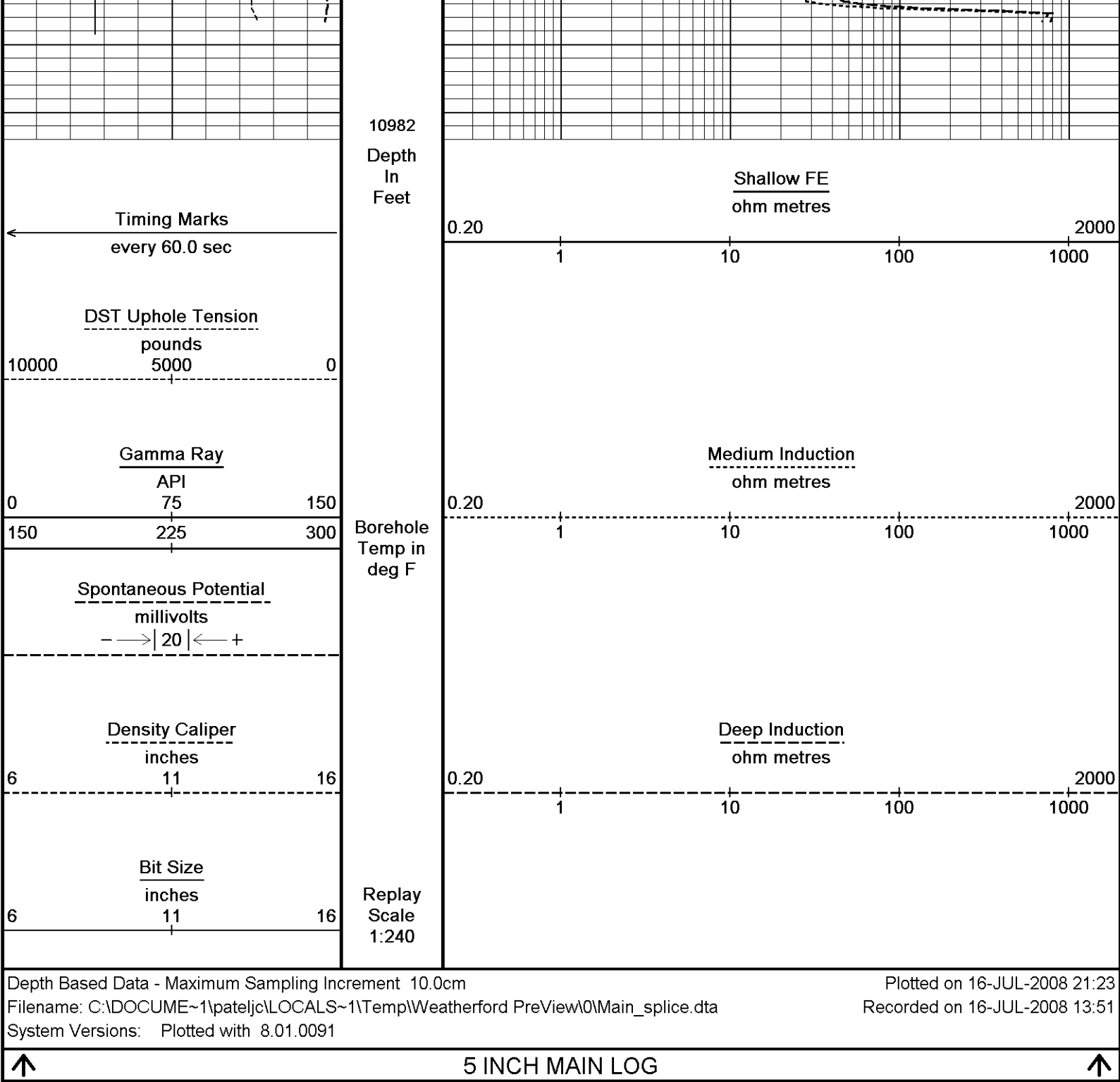
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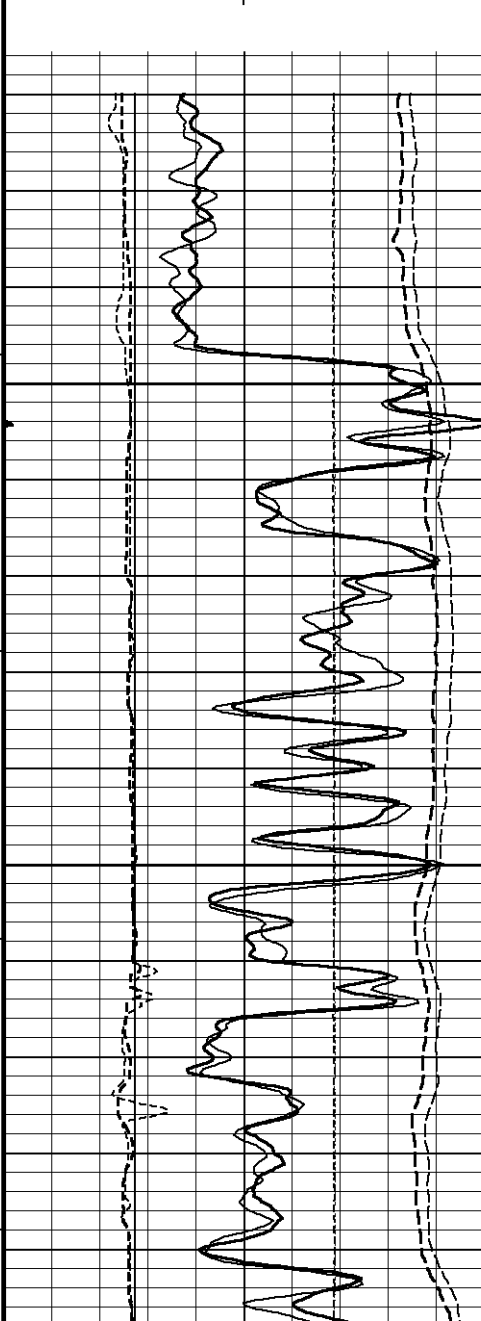
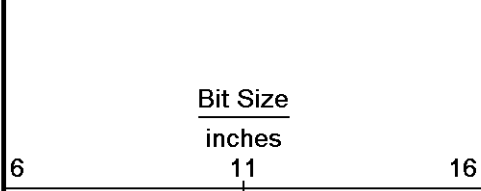
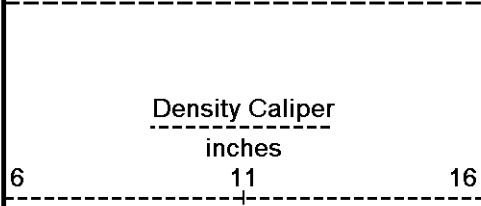
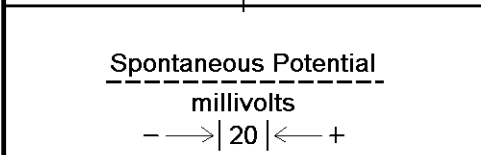
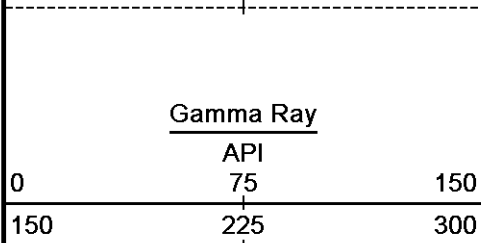
232°











Borehole
Temp in
deg F

Replay
Scale
1:240

10718

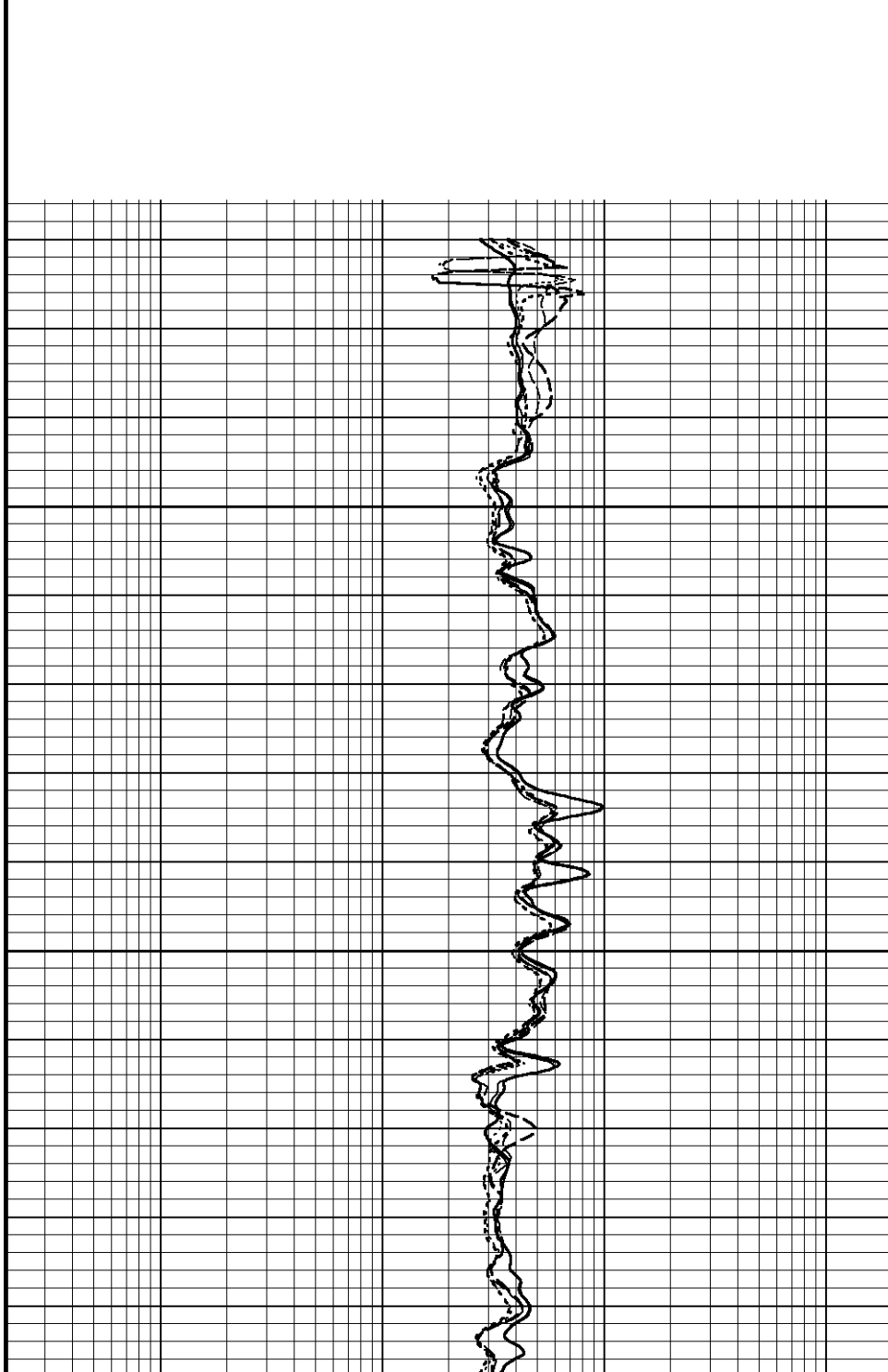
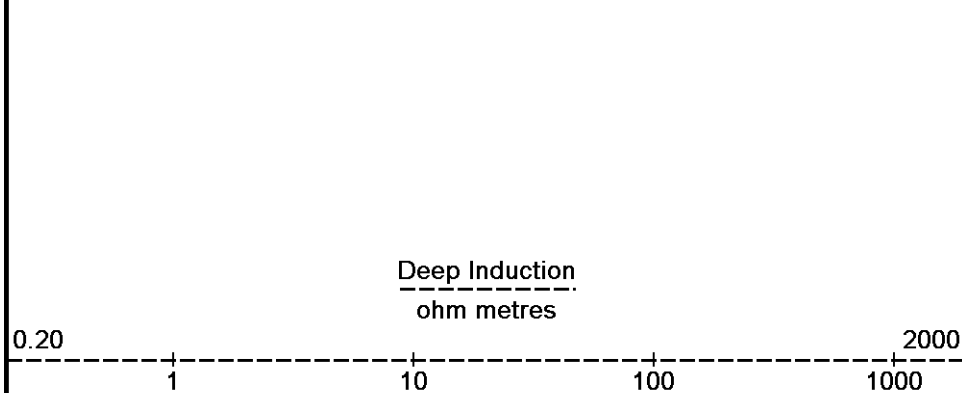
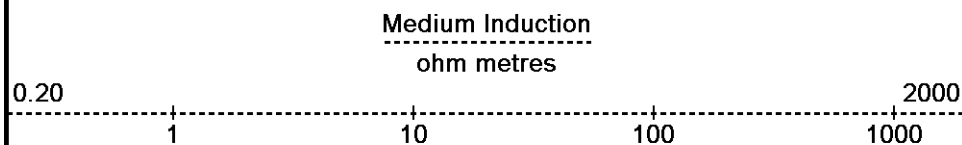
236°

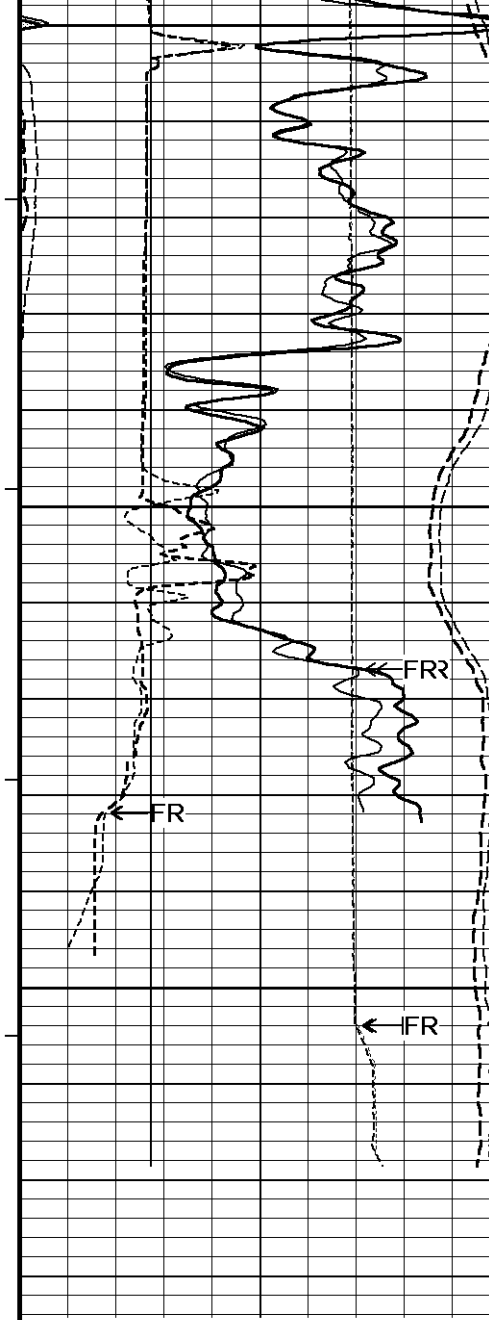
10750

234°

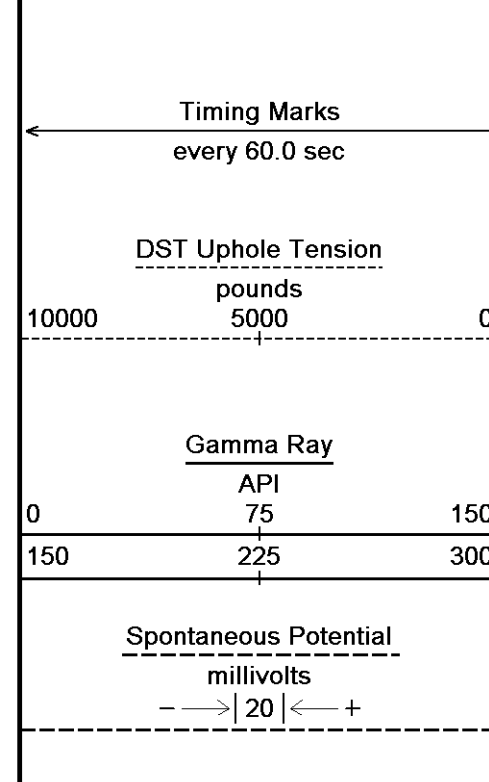
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236°

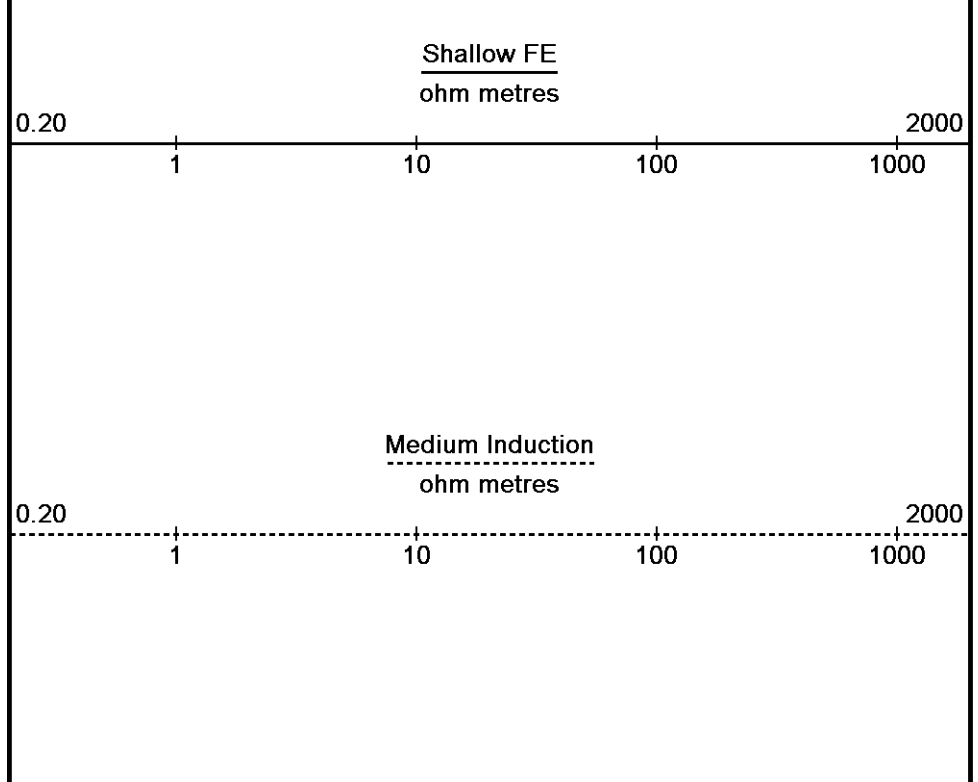
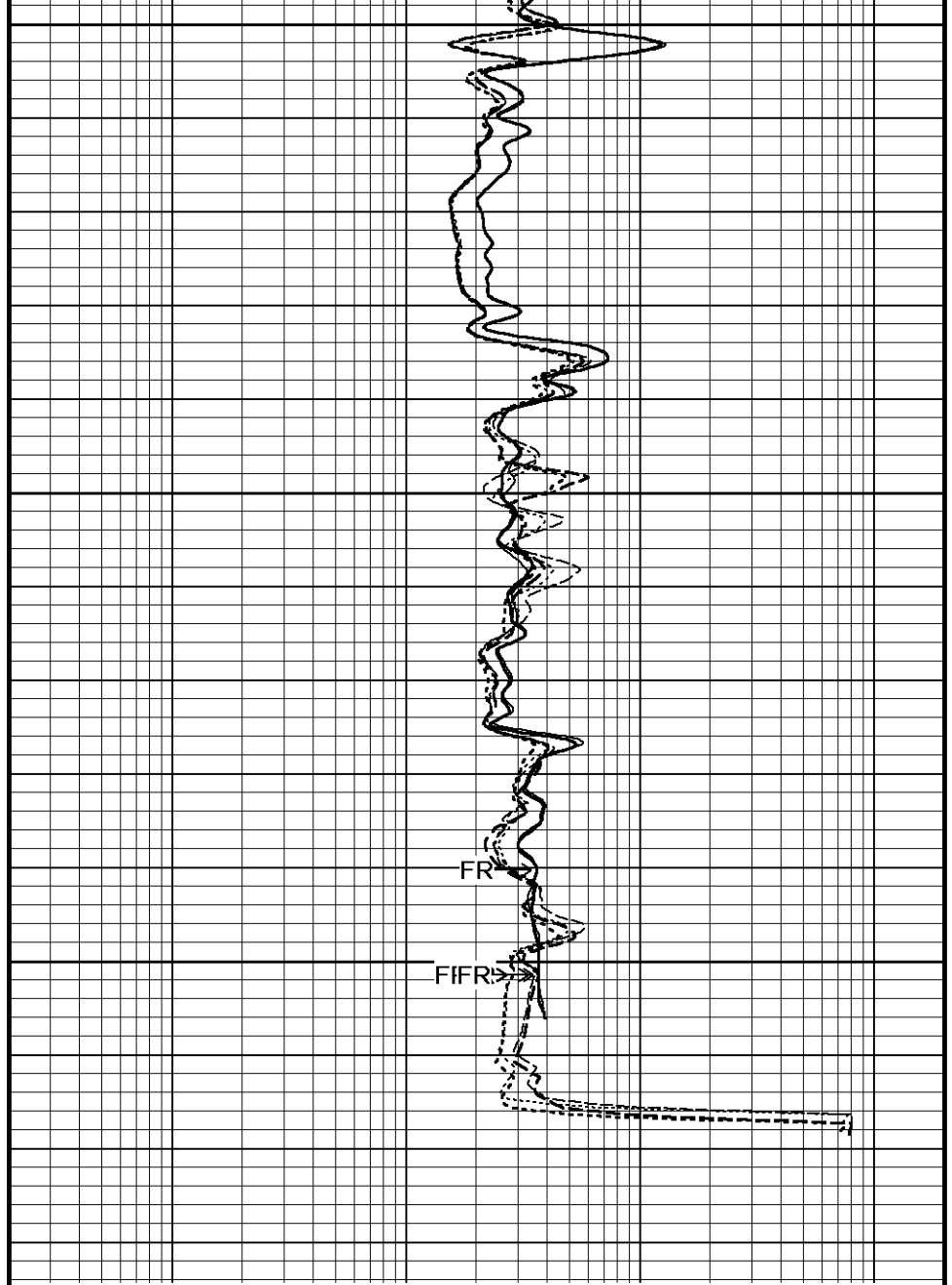


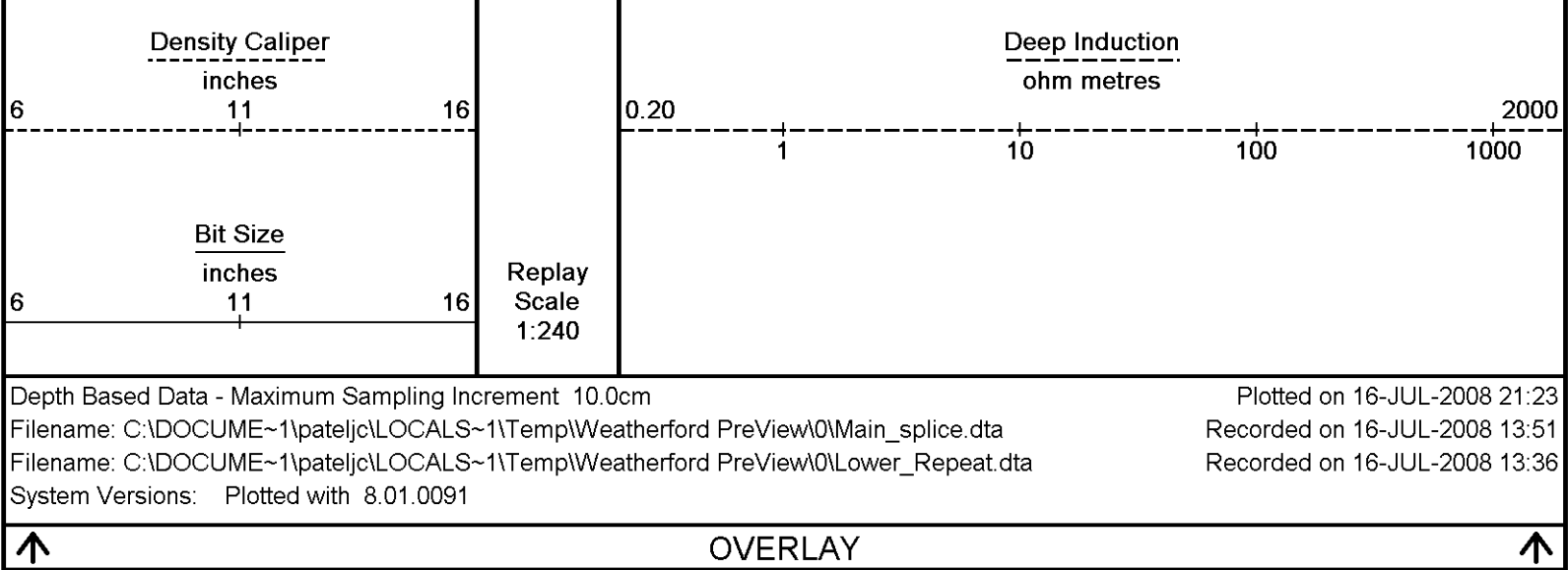


10850
238°
10900
238°
10950
10982
Depth
in
Feet



Borehole
Temp in
deg F





BEFORE SURVEY CALIBRATION			
C:\DOCUME~1\pateljc\LOCALS~1\Temp\Weatherford PreView\0\Main_splice.dta			
General Constants All 000			Last Edited on 15-JUL-2008,13:00
General Parameters			
Mud Resistivity	1.560	ohm-metres	
Mud Resistivity Temperature	99.700	degrees F	
Water Level	0.000	feet	
Density/Neutron Processing	Wet Hole		
Hole/Annular Volume and Differential Caliper Parameters			
HVOL Caliper 1	Density Caliper		
HVOL Caliper 2	None		
Annular Volume Diameter	4.500	inches	
Caliper for Differential Caliper	None		
Rwa Parameters			
Porosity used	Base Density Porosity		
Resistivity used	Deep Induction		
RWA Constant A	0.610		
RWA Constant M	2.150		
Down-hole Tension Calibration SMS 000			Field Calibration on 18-JUN-2008 19:09
Reading No	Measured	Calibrated (lbs)	
1	13912.78	0.00	
2	14946.50	348.30	
High Resolution Temperature Calibration MCG 054			Field Calibration on 15-JUL-2008,11:02
	Measured	Calibrated(Deg F)	
Lower	50.00	50.00	
Upper	75.00	75.00	
High Resolution Temperature Constants MCG 054			
Pre-filter Length	11		
SP Calibration MCG 054			Field Calibration on 15-JUL-2008,11:02
	Measured	Calibrated (mV)	
Reference 1	103.6	100.0	
Reference 2	-97.1	-100.0	
Gamma Calibration MCG 054			Field Calibration on 15-JUL-2008,11:02
	Measured	Calibrated (API)	
Background	90	62	
Calibrator (Gross)	1004	688	

Gamma Constants MCG 054

Last Edited on 16-JUL-2008,16:26

Gamma Calibrator Number	GRC-005	
Mud Density	1.00	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl	0.00	kppm

Neutron Calibration MDN 015

Base Calibration on 10-JUL-2008 17:44

Field Check on 15-JUL-2008,11:02

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	3210	98	3714	110
Ratio	32.816		33.764	

Field Calibrator at Base

	Calibrated (cps)	
	1501	2201
Ratio	0.682	

Field Check

	Calibrated (cps)	
	1506	2214
Ratio	0.680	

Neutron Constants MDN 015

Last Edited on 11-FEB-2008 11:29

Neutron Source Id	755	
Neutron Jig Number	6532	
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	7.00	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	None	
Formation Pressure	0.00	kpsi
Temperature Source	None	
Temperature	20.00	degrees F
Mud Salinity	0.00	kppm
Formation Fluid Salinity Source	None	
Formation Fluid Salinity	0.00	kppm
Barite Mud Correction	Not Applied	

Caliper Calibration MPD 157

Base Calibration on 10-JUL-2008 16:28

Field Calibration on 15-JUL-2008,14:33

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	16466	4.00
2	24721	5.96
3	32576	7.98
4	40600	9.86
5	49646	11.88
6	N/A	N/A

Field Calibration

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

Photo Density Calibration MPD 157

Base Calibration on 10-JUL-2008 16:15

Field Check on 15-JUL-2008,14:48

Density Calibration

	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	57825	30744	59841	31066
Reference 2	23371	2664	24669	2507

Field Check at Base

1081.3	1302.6
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Field Check

1081.3

1302.6

PE Calibration

Base Calibration

	WS	Measured WH	Ratio	Calibrated Ratio
Background	195	956		
Reference 1	21613	57624	0.378	0.377
Reference 2	6173	23233	0.268	0.270

Field Check at Base

194.7 955.6

Field Check

194.7 955.6

Density Constants MPD 157

Last Edited on 15-JUL-2008,14:33

Density Source Id	271
Nylon Calibrator Number	626
Aluminium/Fe Calibrator Number	626
Density Shoe Profile	4 inch
Caliper Source for Processing	Density Caliper
PE Correction to Density	Not Applied
Mud Density	1.15 gm/cc
Mud Density Z/A Correction	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	Advanced
Matrix Density (gm/cc)	Depth (ft)
2.68	
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

FE Calibration MFE 085

Base Calibration on 10-JUL-2008 16:43

Field Check on 15-JUL-2008 13:05

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	966.7	126.8

Base Check 280.6

Field Check 280.5

FE Constants MFE 085

Last Edited on 11-JUL-2008,03:03

Caliper Source for FE correction	Density Caliper
Rm Source for FE correction	Temperature Corr
Temp. for Rm Corr.	MCG External Temperature
Stand-off	1.0 inches

Induction Calibration MAI 116

Base Calibration on 10-MAR-2008 21:32

Field Check on 15-JUL-2008 13:07

Base Calibration

Test Loop Calibration	Measured		Calibrated (mmho/m)	
Channel	Low	High	Low	High
1	17.2	484.7	9.3	966.2
2	5.5	385.3	7.6	821.4
3	3.0	257.2	5.2	566.0
4	1.7	131.5	2.6	279.2

Array Temperature 62.2 Deg F

Channel Base Check (mmho/m) Field Check (mmho/m)

	Low	High	Low	High
1	12.3	3763.4	14.8	3762.2
2	30.9	3505.3	32.1	3504.1
3	29.5	3085.6	30.4	3085.1
4	20.1	2106.3	20.6	2105.8
Deep	17.9	2060.3	18.5	2060.4
Medium	43.5	4056.4	44.4	4055.7
Shallow	46.3	5104.6	48.0	5102.1
Array Temperature		66.2	98.8	Deg F

Induction Constants MAI 116

Last Edited on 15-JUL-2008,11:03

Induction Model	ENHANCED			
Caliper for Borehole Corr.	Density Caliper			
Hole Size for Borehole Correction	N/A			
Stand-off	1.00			
Number of Fins on Stand-off	6.0000			
Stand-off Fin Width	0.5000			
Borehole Corr. Rm Source	Temperature Corr			
Temp. for Rm Corr.	MCG External Temperature			
Squasher Start	0.0050			
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		

High Resolution Temperature Calibration MAI 116

Field Calibration on 10-JUL-2008,16:36

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

High Resolution Temperature Constants MAI 116

Last Edited on 18-APR-2006,08:59

Pre-filter Length	11
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AFTER SURVEY CALIBRATION

C:\DOCUME~1\patelj\LOCALS~1\Temp\Weatherford PreView\0\Main_splice.dta

Gamma Check MCG 054

Field Calibration on 15-JUL-2008,11:02

After Survey Check on 16-JUL-2008 16:34

	Before (API)	After (API)
Background	62	60
Calibrator (Gross)	688	686
Calibrator (Net)	626	626

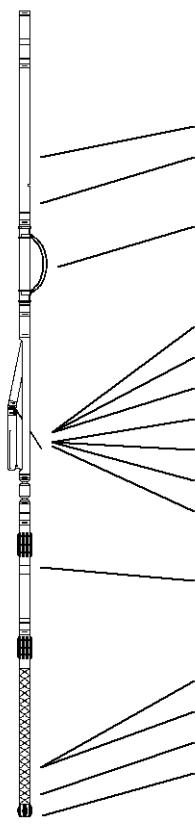
Neutron Check MDN 015

Before Survey Check on 15-JUL-2008,11:02

After Survey Check on 16-JUL-2008 16:48

	Near (cps)		Far (cps)	
	Before	After	Before	After
	1506	1497	2214	2207

		Before 0.680	Ratio After 0.678		
Photo Density Check MPD 157				Before Survey Check on 15-JUL-2008,14:48 After Survey Check on 16-JUL-2008 15:48	
Density Check					
			Near		Far
		Before	After	Before	After
		1081.3	1081.6	1302.6	1301.2
PE Check					
		Before		After	
WS		194.7		192.3	
WH		955.6		956.6	
FE Check MFE 085				Before Survey Check 15-JUL-2008 13:05 After Survey Check on 16-JUL-2008 15:49	
		Before (ohm-m)		After (ohm-m)	
		280.5		280.8	
Induction Check MAI 116				Before Survey Check on 15-JUL-2008 13:07 After Survey Check on 16-JUL-2008 15:51	
Channel	Before Survey (mmho/m)		After Survey (mmho/m)		
	Low	High	Low	High	
1	14.8	3762.2	14.7	3761.1	
2	32.1	3504.1	32.1	3503.3	
3	30.4	3085.1	30.4	3084.3	
4	20.6	2105.8	20.6	2105.4	
Deep	18.5	2060.4	18.5	2059.8	
Medium	44.4	4055.7	44.5	4054.6	
Shallow	48.0	5102.1	48.0	5101.1	
Array Temperature	98.8		96.4		Deg F

DOWNHOLE EQUIPMENT			C:\DOCUME~1\patelj\LOCALS~1\Temp\Weatherford PreView\0\Main_splice.dta		
SHA-J.A Compact Swivel Head Adaptor					
SHA 285	Length: 2.30 ft	Weight: 22.0 lb			
Compact Gamma					
MCG 54	Length: 8.70 ft	Weight: 63.9 lb			
Compact Neutron					
MDN 15	Length: 5.04 ft	Weight: 50.7 lb			
Compact Density/Caliper					
MPD 157	Length: 9.59 ft	Weight: 90.4 lb			
SKJ-E.A Compact Knuckle Joint					
SKJ 143	Length: 2.17 ft	Weight: 24.3 lb			
Compact Focussed Electric					
MFE 85	Length: 6.03 ft	Weight: 48.5 lb			
Compact Induction					
MAI 116	Length: 10.81 ft	Weight: 48.5 lb			
Total	Length: 44.64 ft	Weight: 348.3 lb			
			37.05 ft	GRGC - Gamma Ray	
			34.14 ft	CGXT - MCG External Temperature	
			30.59 ft	NPRS - Sandstone Neutron Por.	
			22.12 ft	AVOL - Annular Volume	
			22.12 ft	HVOL - Hole Volume	
			22.12 ft	CLDC - Density Caliper	
			21.42 ft	DPOR - Base Density Porosity	
			21.42 ft	DEN - Compensated Density	
			21.42 ft	DCOR - Density Correction	
			21.36 ft	PDPE - PE	
			13.70 ft	FEFE - Shallow FE	
			2.58 ft	RILM - Medium Induction	
			2.58 ft	RILD - Deep Induction	
			0.23 ft	SPCG - Spontaneous Potential	
			Tool Zero	(0.13ft from bottom)	
			All measurements relative to tool zero.		

COMPANY	WHITING OIL & GAS
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WELL BOIES #B-19P-O3
FIELD SULPHUR CREEK
PROVINCE/COUNTY RIO BLANCO
COUNTRY/STATE U.S.A. / COLORADO

Elevation Kelly Bushing	6278.00	feet	First Reading	10951.00	feet
Elevation Drill Floor	6277.00	feet	Depth Driller	10930.00	feet
Elevation Ground Level	6248.00	feet	Depth Logger	10954.00	feet



Weatherford®

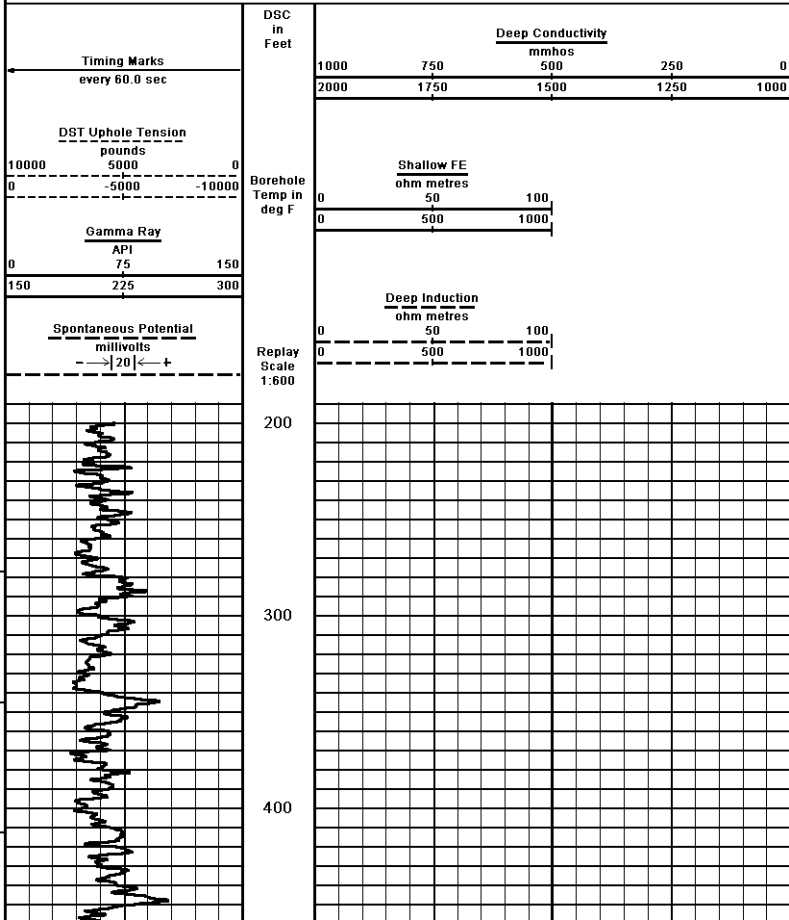
ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG

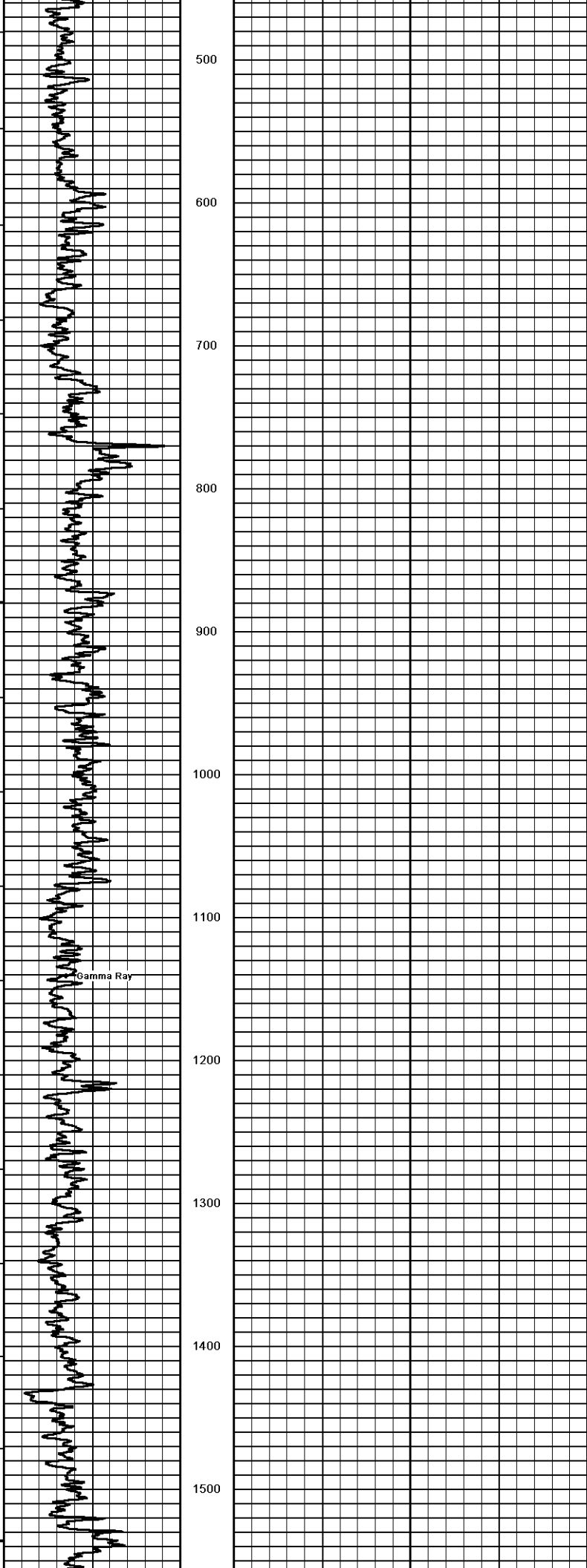


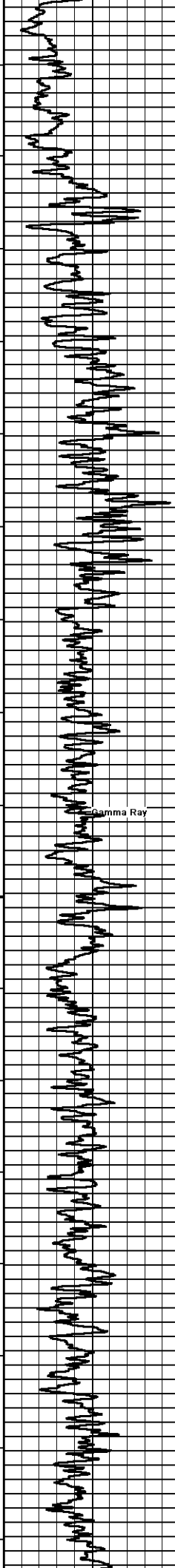
ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG

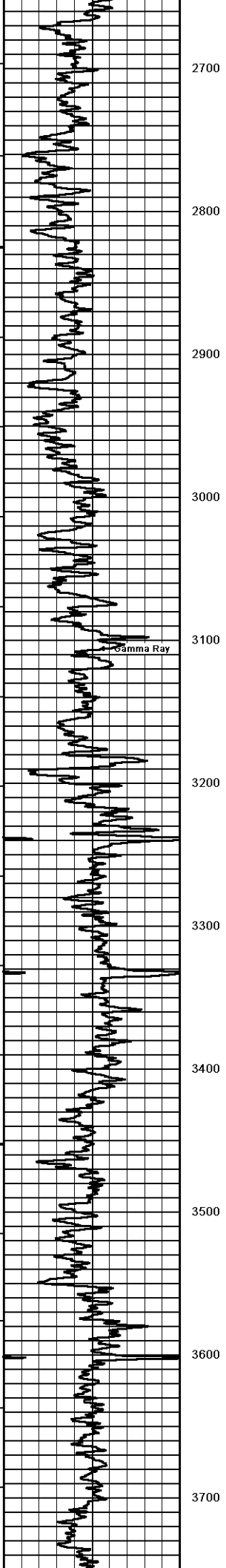
COMPANY		WHITING OIL & GAS	
WELL		BOIES #B-19P-O3	
FIELD		SULPHUR CREEK	
PROVINCE/COUNTY		RIO BLANCO	
COUNTRY/STATE		U.S.A. / COLORADO	
LOCATION		SHL: 306' FSL & 1184' FEL BHL: 515' FSL & 2019' FEL	
ASD	SEC	TWP	Other Services
19	2S	97W	MPD/MON
API Number 05-103-1067			
Permanent Datum G.L. Elevation 6246 feet			
Log Measured From K.B. @ 30 FEET above Permanent Datum			
Drilling Measured From K.B.			
Date 15-JUL-2008			
Run Number		ONE	
Depth Driller		10950.00	
Depth Logger		10954.00	
First Reading		10951.00	
Last Reading		4986.00	
Casing Driller		5000.00	
Casing Logger		4986.00	
Bit Size		8.75	
Hole Fluid Type		LSND	
Density / Viscosity		9.60 lb/USg 80.00 CP	
PH / Fluid Loss		9.00 5.60 ml/200mln	
Sample Source		FLOW LINE	
Sint @ Measured Temp		1.56 @ 99.7 ohm-in	
Sint @ Measured Temp		1.25 @ 99.7 ohm-in	
Sint @ Measured Temp		1.87 @ 99.7 ohm-in	
Source Pmt / Bmc		CALC	
Sint @ BHT		0.67 @ 280 ohm-in	
Time Since Circulation		10 HOURS	
Max Recorded Temp		238.00 deg F	
Equipment Name		COMPACT	
Equipment / Base		19088	
Recorded By		C. PHILLIPS	
Witnessed By		A. TOLLER	
Last Title		Last Line	

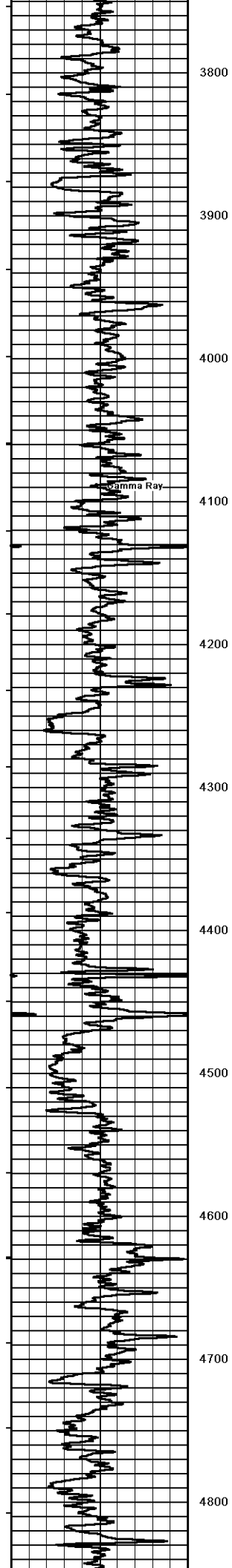
1 INCH MAIN LOG
Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 16-JUL-2008 21:23
Filename: C:\DOCUME~1\patell\LOCALS~1\Temp\Weatherford PreView\0Main_splice.dta
Recorded on 16-JUL-2008 13:51
System Versions: Plotted with 8.01.0091

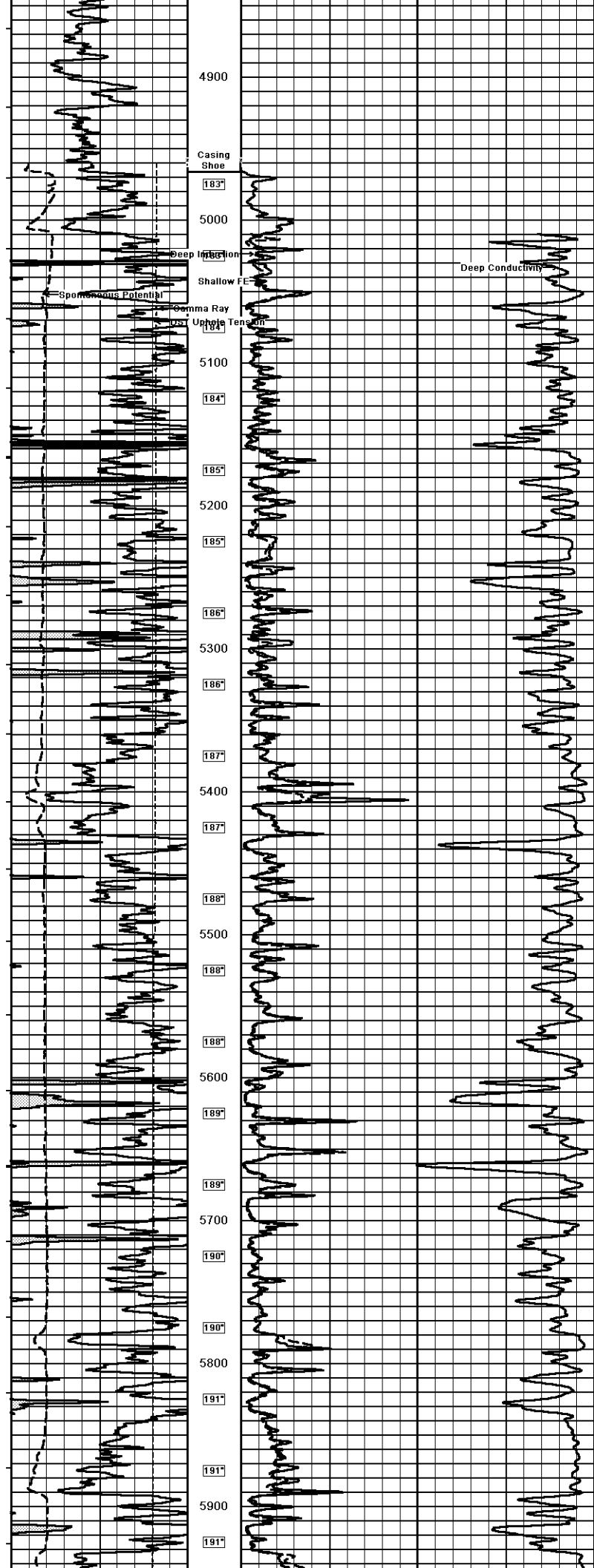


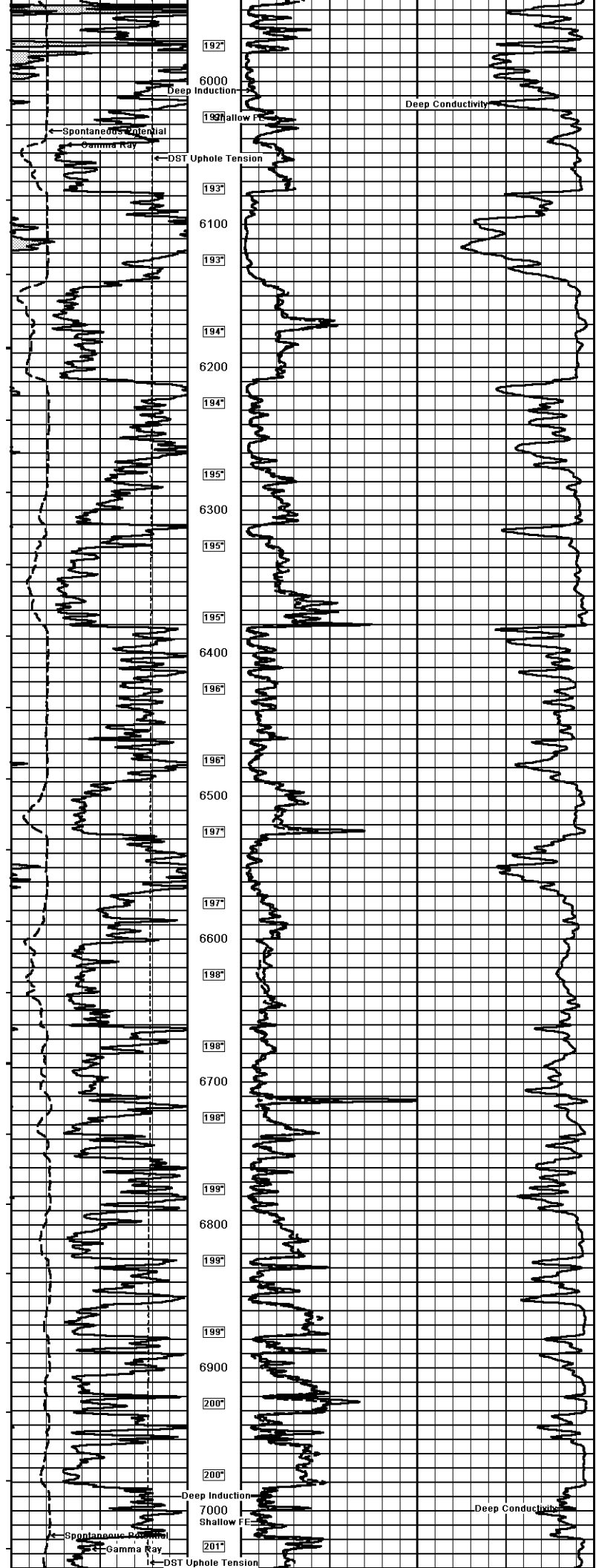


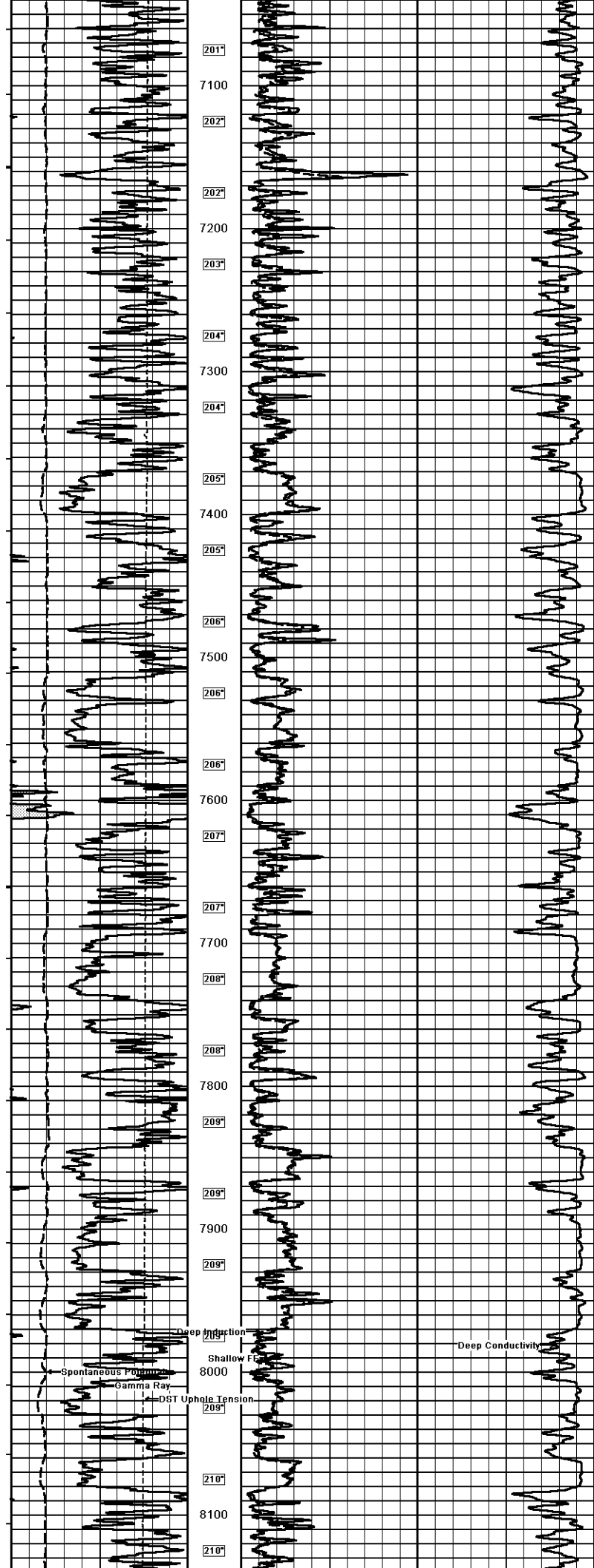


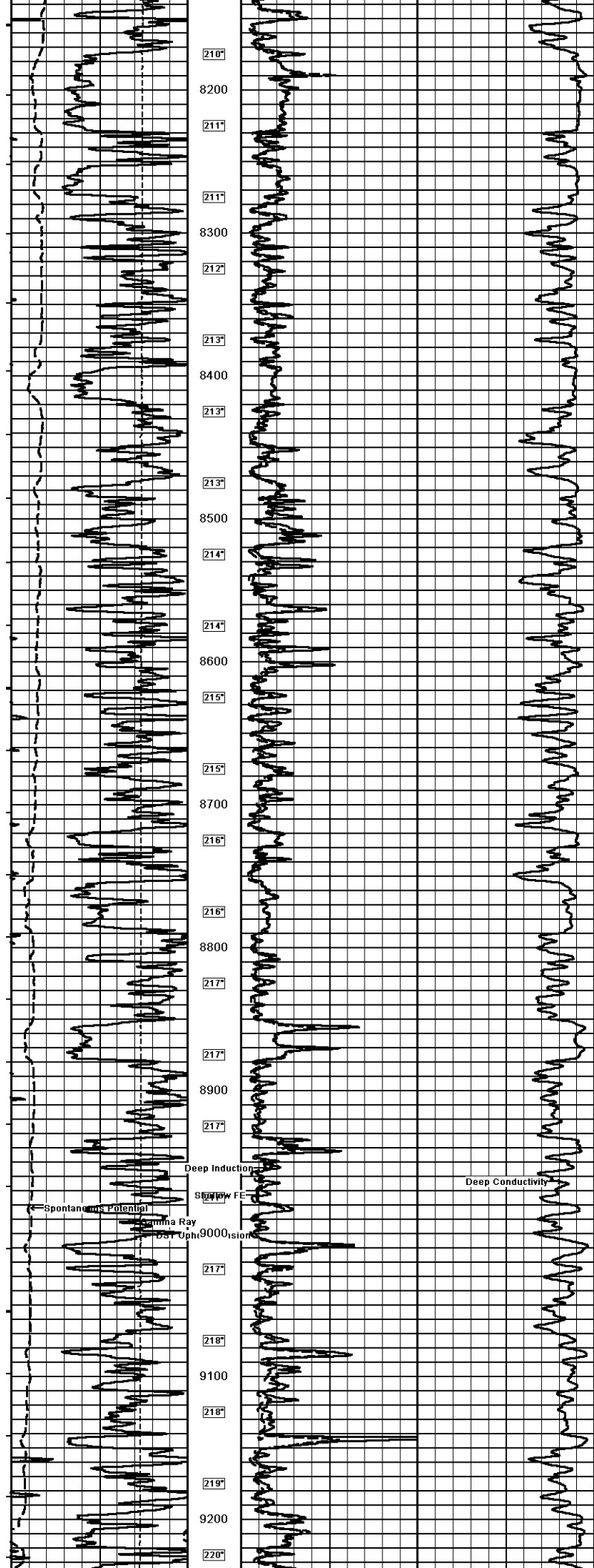


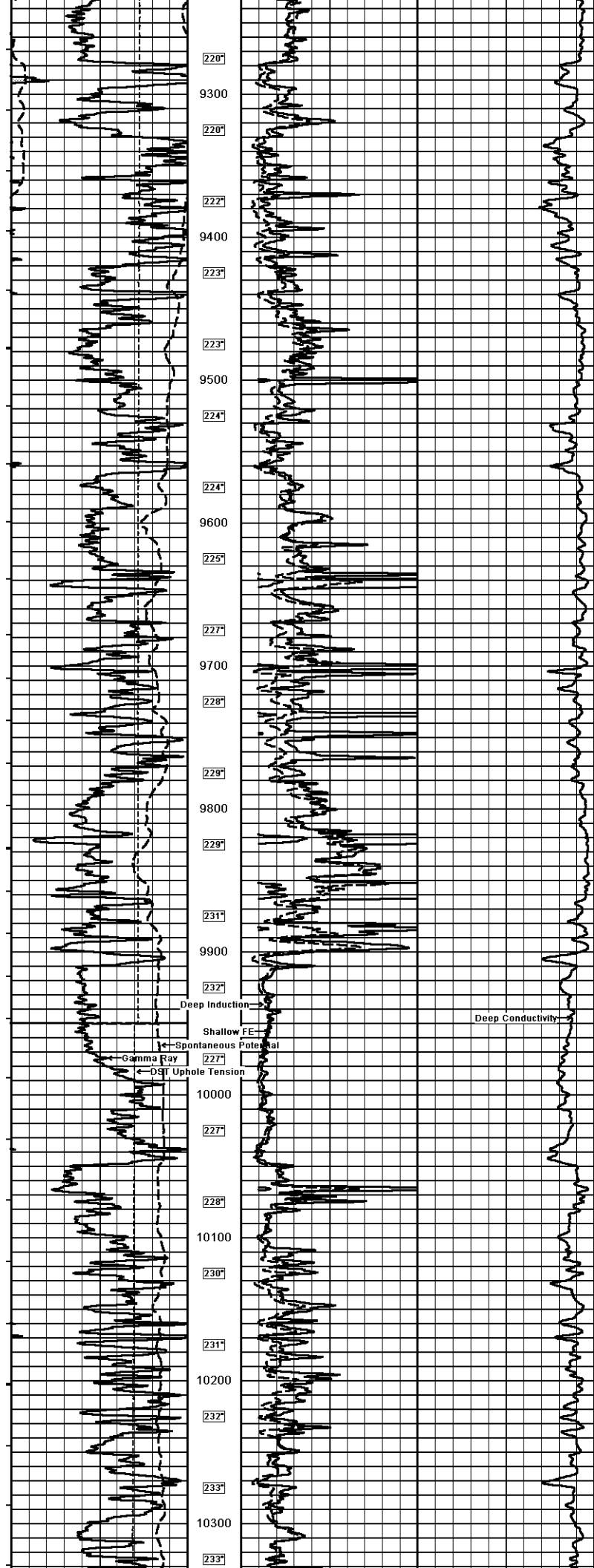


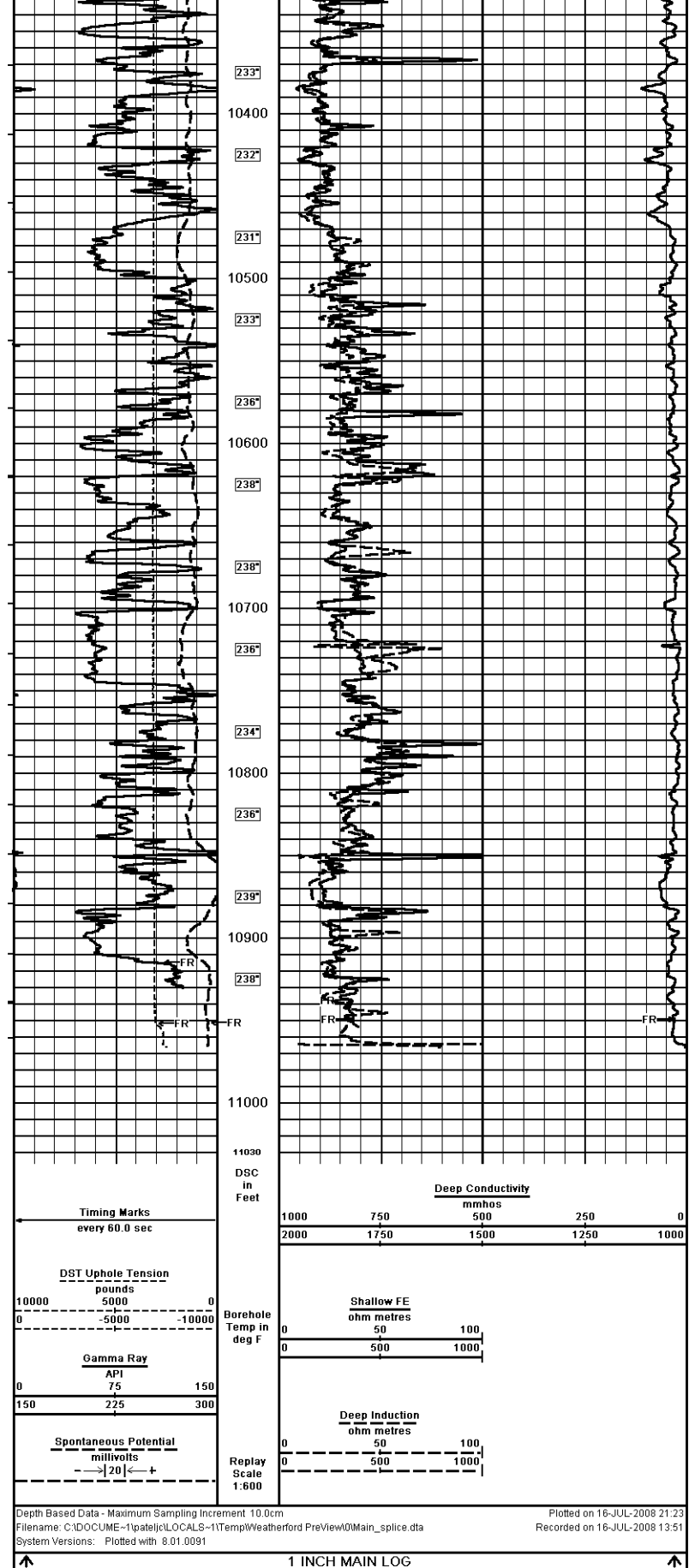












COMPANY	WHITING OIL & GAS			
WELL	BOIES #B-19P-O3			
FIELD	SULPHUR CREEK			
PROVINCE/COUNTY	RIO BLANCO			
COUNTRY/STATE	U.S.A. / COLORADO			
Elevation Kelly Bushing	6278.00	feet	First Reading	10951.00 feet
Elevation Drill Floor	6277.00	feet	Depth Driller	10930.00 feet
Elevation Ground Level	6248.00	feet	Depth Logger	10954.00 feet

NOTATION FOR A