



**Weatherford**<sup>®</sup>

**ARRAY INDUCTION  
SHALLOW FOCUSED  
ELECTRIC LOG**

**COMPANY** GRAND MESA OPERATING  
**WELL** P-D #1-27  
**FIELD** WILDCAT  
**PROVINCE/COUNTY** GOVE  
**COUNTRY/STATE** U.S.A. / KANSAS  
**LOCATION** 674' FNL & 196' FEL  
**NE SE NE NE**

SEC 27	TWP 13S	RGE 31W	Other Services MPD/MDN MML	Elevations: KB 2875.00 DF 2873.00 GL 2870.00
API Number	15-063-22029		Permanent Datum G.L., Elevation 2870 feet	
Permit Number			Log Measured From KB	
Date	23-SEP-2012		Drilling Measured From K.B. @ 5 FEET	
Run Number	ONE			
Depth Driller	4662.00		feet	
Depth Logger	4663.00		feet	
First Reading	4660.00		feet	
Last Reading	218.00		feet	
Casing Driller	219.00		feet	
Casing Logger	218.00		feet	
Bit Size	7.875		inches	
Hole Fluid Type	CHEMICAL			
Density / Viscosity	9.10 lb/USg	67.00 CP		
PH / Fluid Loss	10.50	7.20 ml/30Min		
Sample Source	FLOWLINE			
Rm @ Measured Temp	1.24 @ 94.0	ohm-m		
Rmf @ Measured Temp	0.99 @ 94.0	ohm-m		
Rmc @ Measured Temp	1.49 @ 94.0	ohm-m		
Source Rmf / Rmc	CALC	CALC		
Rm @ BHT	0.97 @ 120.0	ohm-m		
Time Since Circulation	3 HOURS			
Max Recorded Temp	120.00	deg F		
Equipment Name	COMPACT			
Equipment / Base	13057	LIB		
Recorded By	R.HOFFMAN			
Witnessed By	BOB SHREIBER			
S.O. # / JOB #	3538924	LB12-256		

**BOREHOLE RECORD**

Last Edited: 23-SEP-2012 11:39

Bit Size inches	Depth From feet	Depth To feet
7.875	218.00	4663.00

**CASING RECORD**

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	218.00	24.00

**REMARKS**

Tools Ran: MCG, MML, MDN, MPD, MFE, MAI.  
 Hardware Used: MDN Dual Eccentralizer used. MPD 8 inch profile plate used. MFE, and MAI 0.5 inch standoffs used.  
 2.71 g/cc Limestone Density Matrix used to calculate porosity.  
 All intervals logged and scaled per customer's request.  
 Tight pulls, washouts and borehole rugosity will affect data quality.  
 Annular volume with 5.5 inch production casing= 205 cu. ft.  
 Service order: #3538924  
 Rig: Murfin #24  
 Engineer: R. Hoffman  
 Operator(s): K. Rinehart

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.

2 INCH MAIN

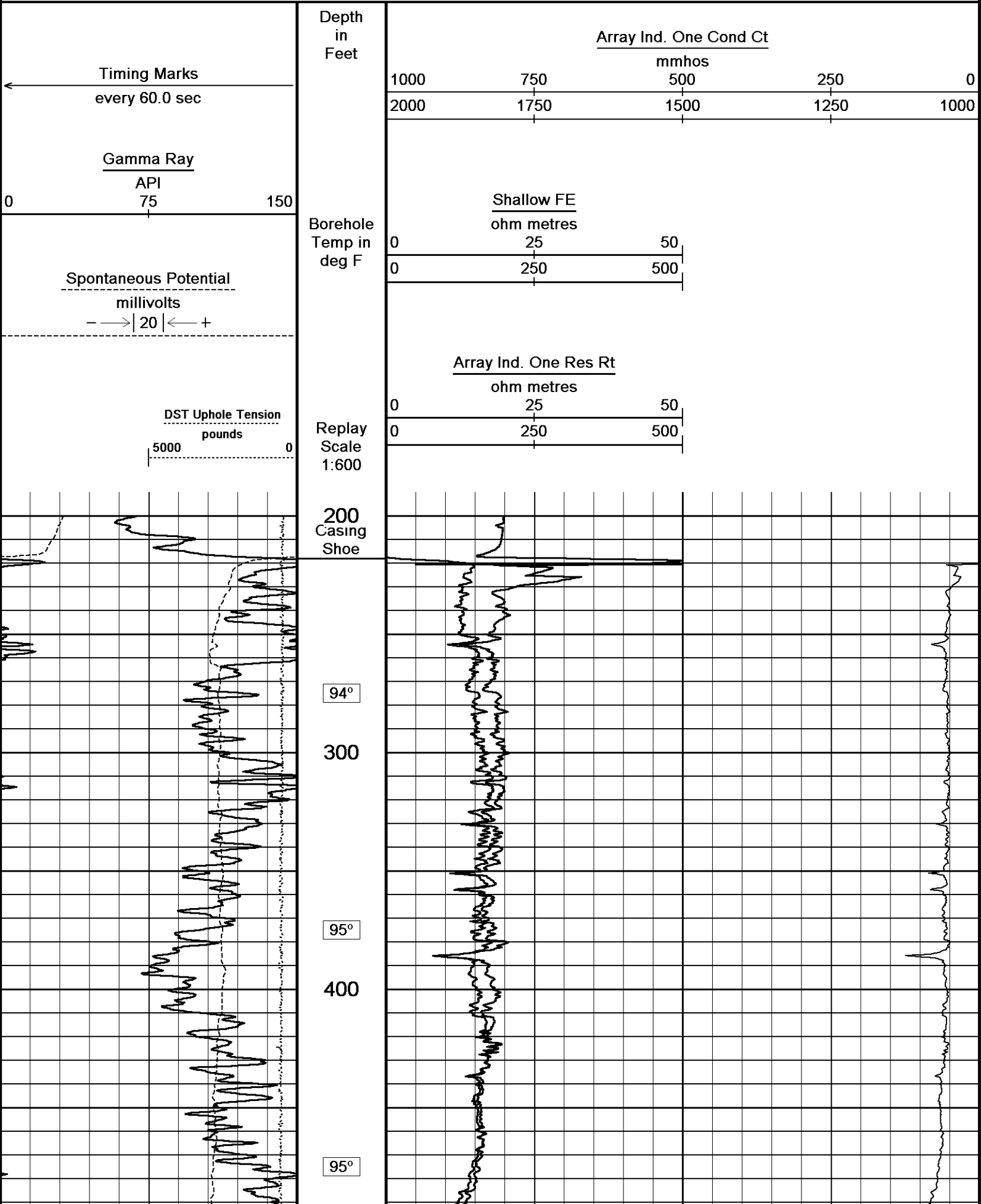
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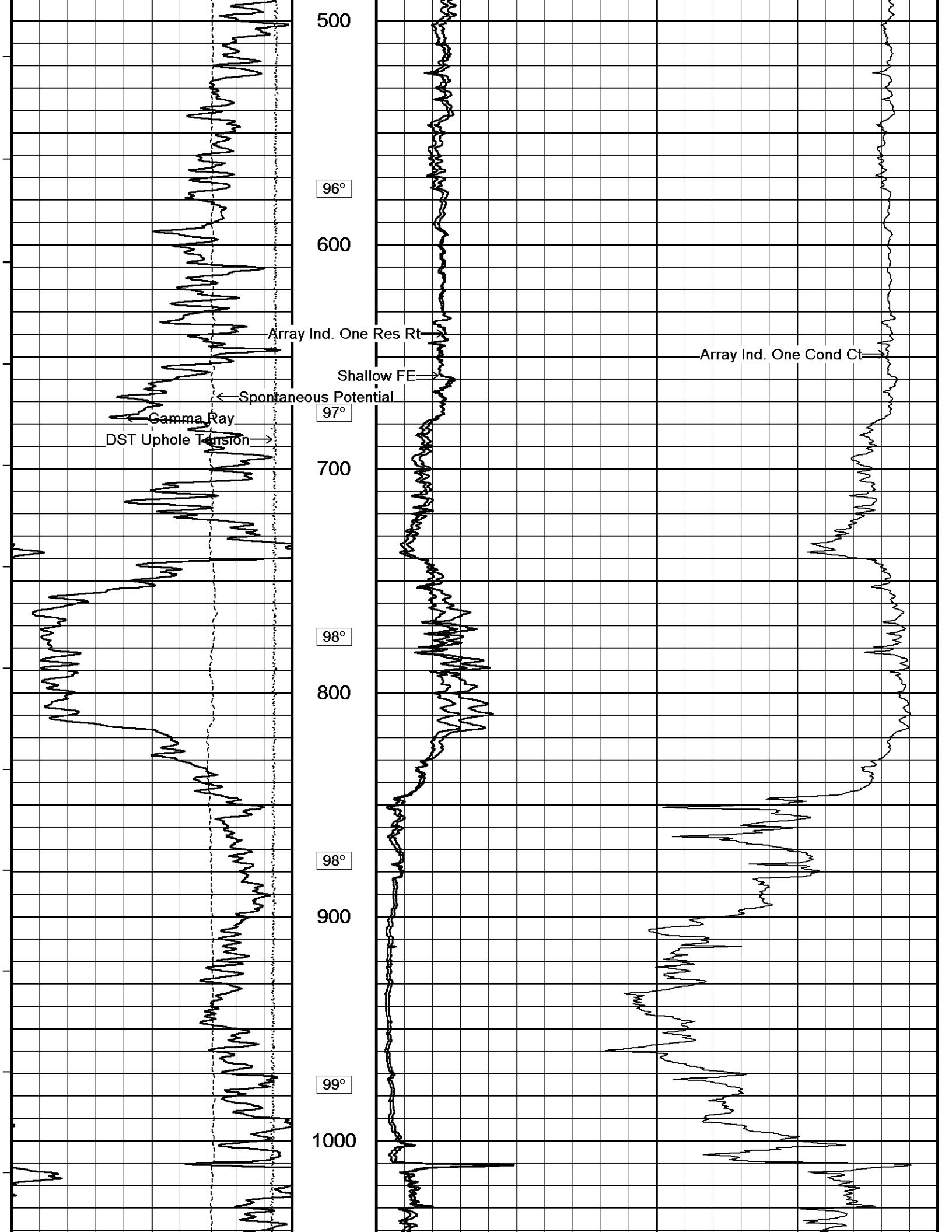
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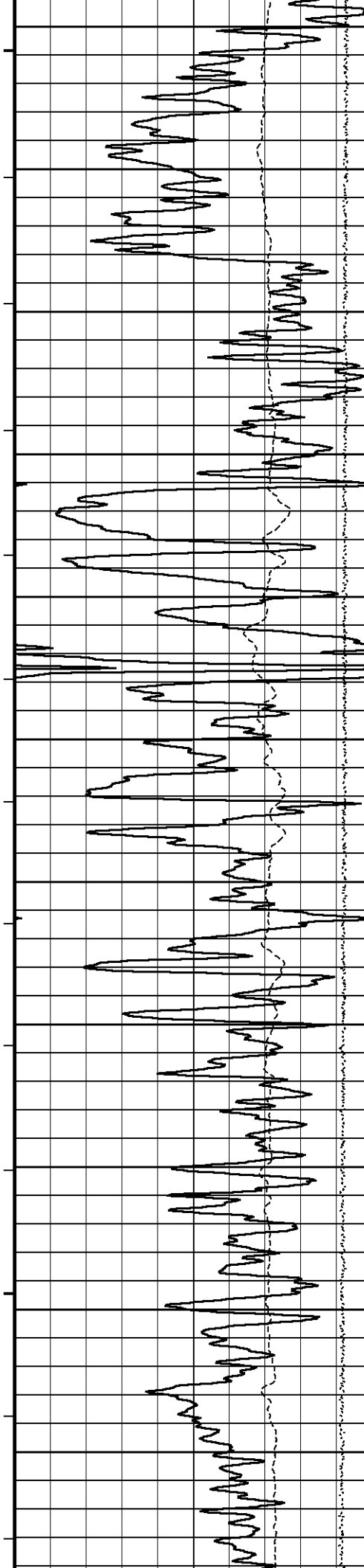
Filename: C:\Minimus 13.02.6600\Data\Grand Mesa P-D #1-27\Grand Mesa P-D #1-27\_Main.dta

Recorded on 23-SEP-2012 11:46

System Versions: Logged with 13.02.6600 Plotted with 13.02.6600







99°

1100

100°

1200

101°

1300

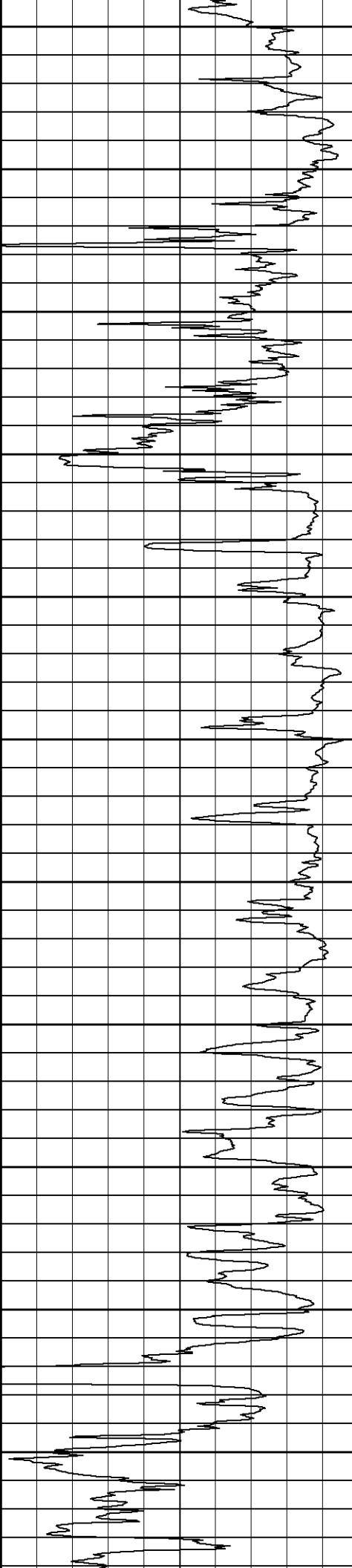
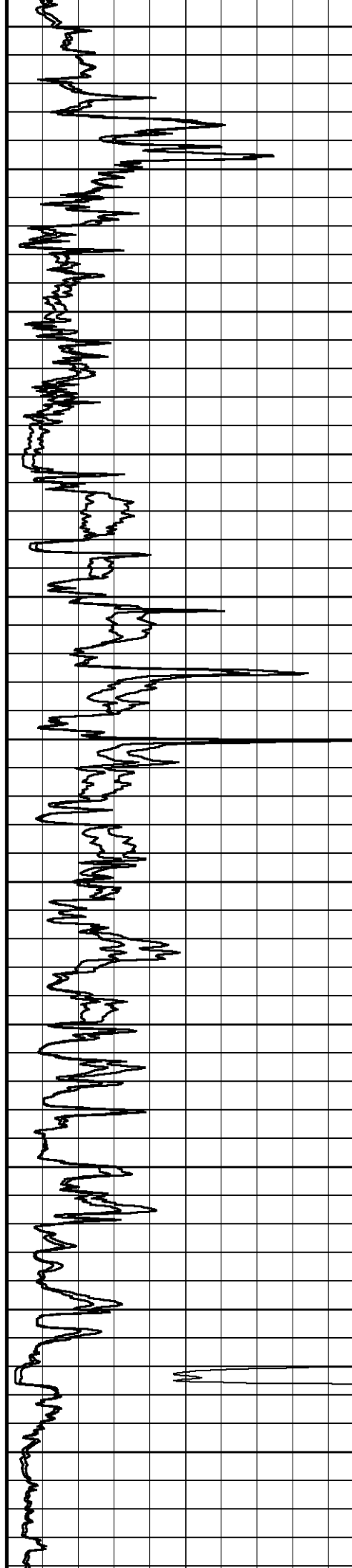
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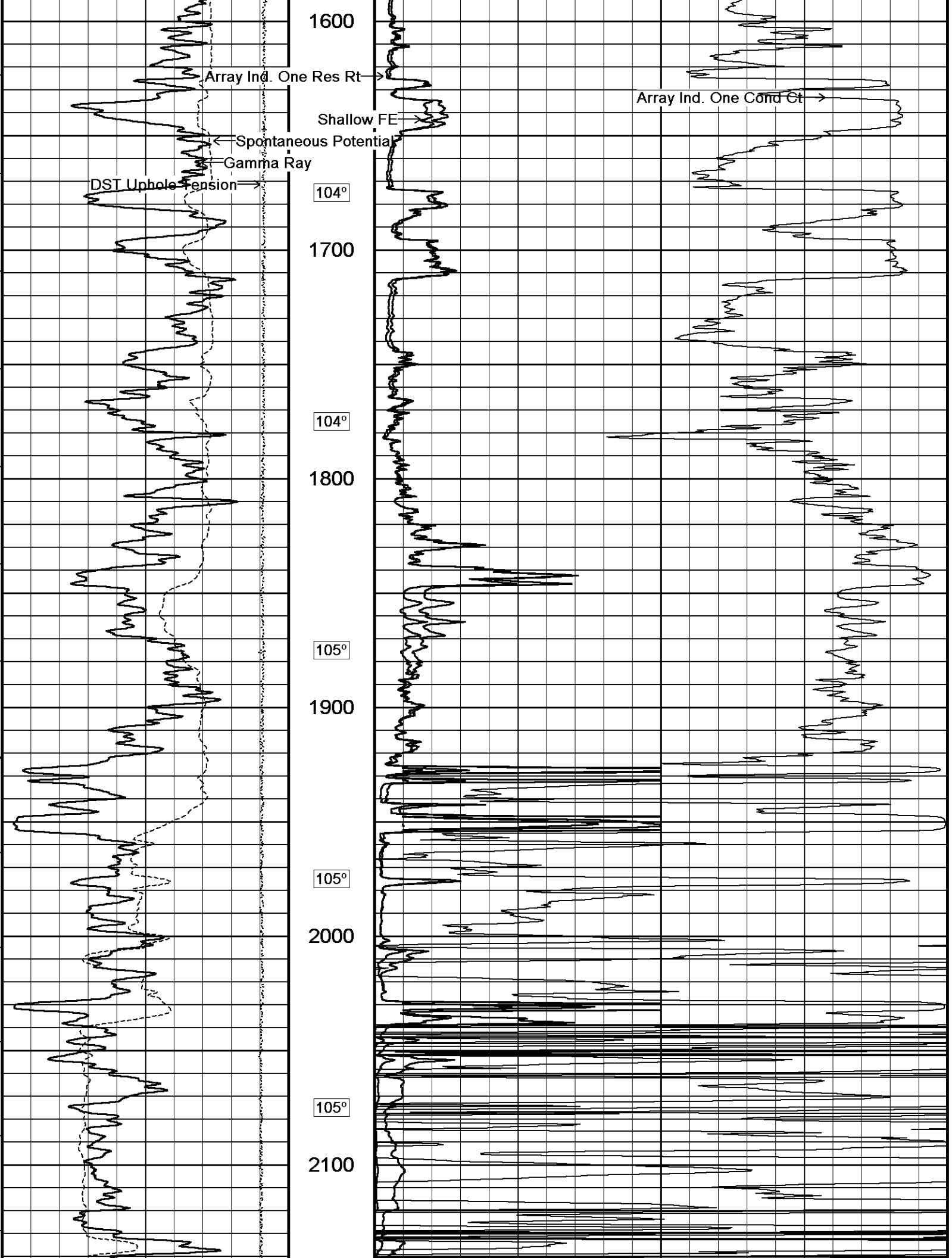
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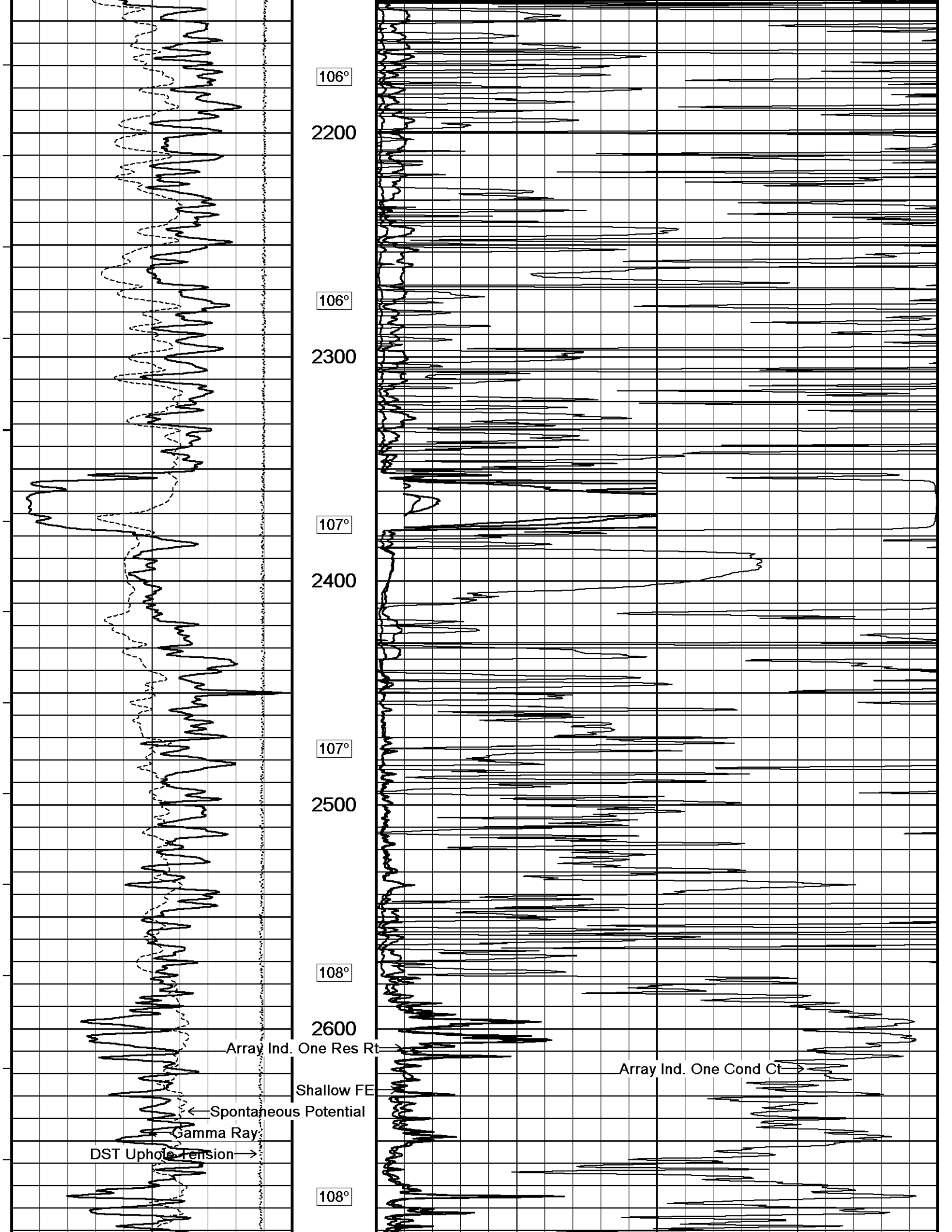
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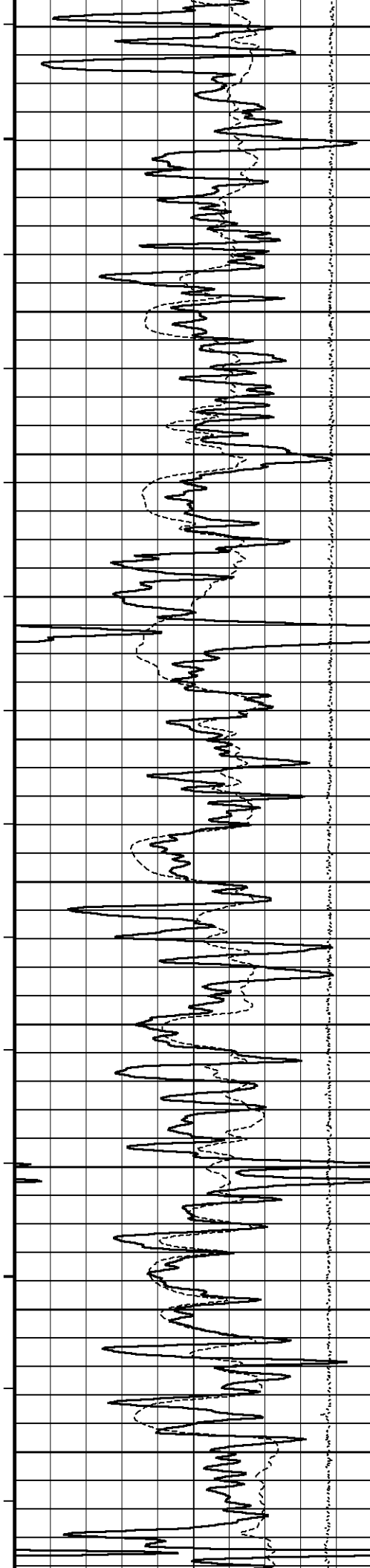
1500

103°









2700

109°

2800

109°

2900

110°

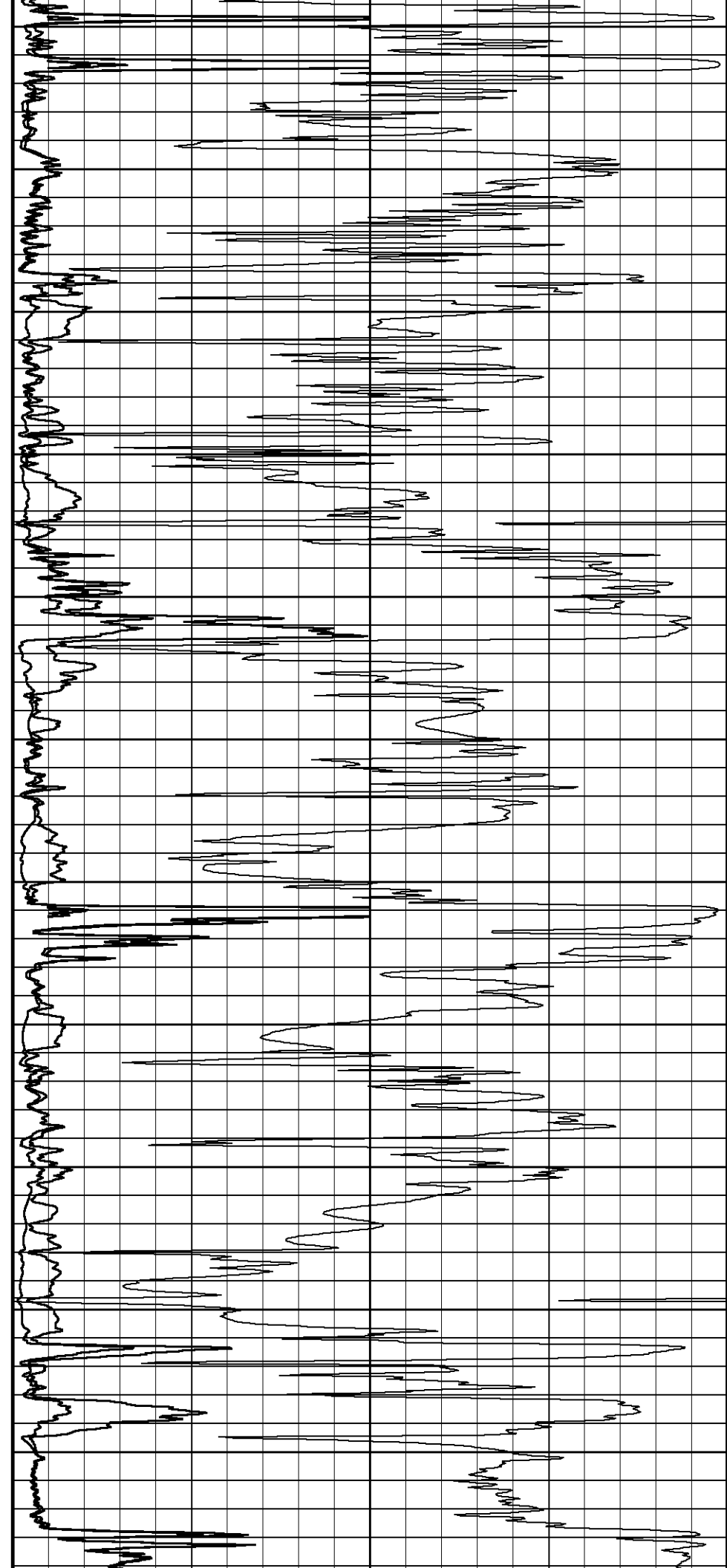
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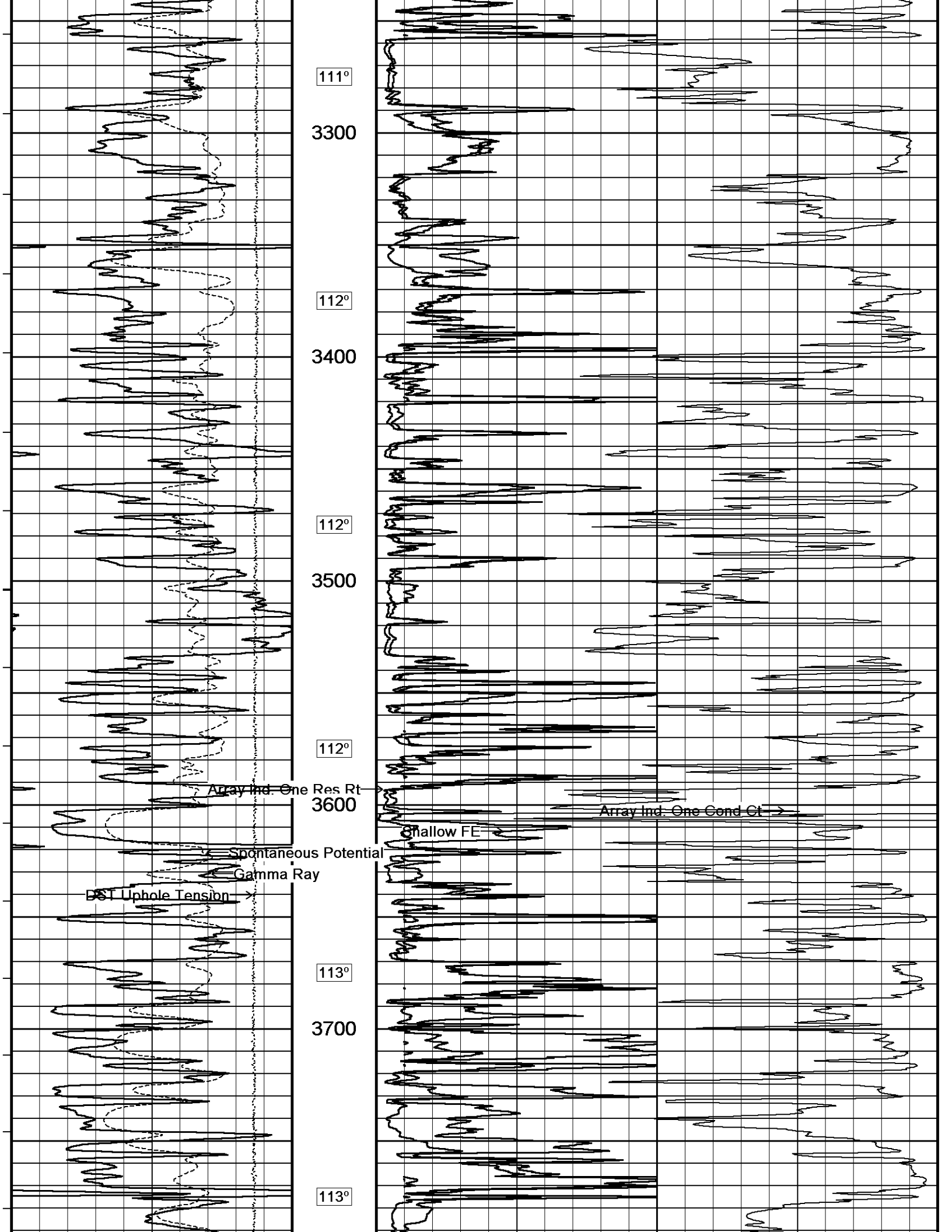
110°

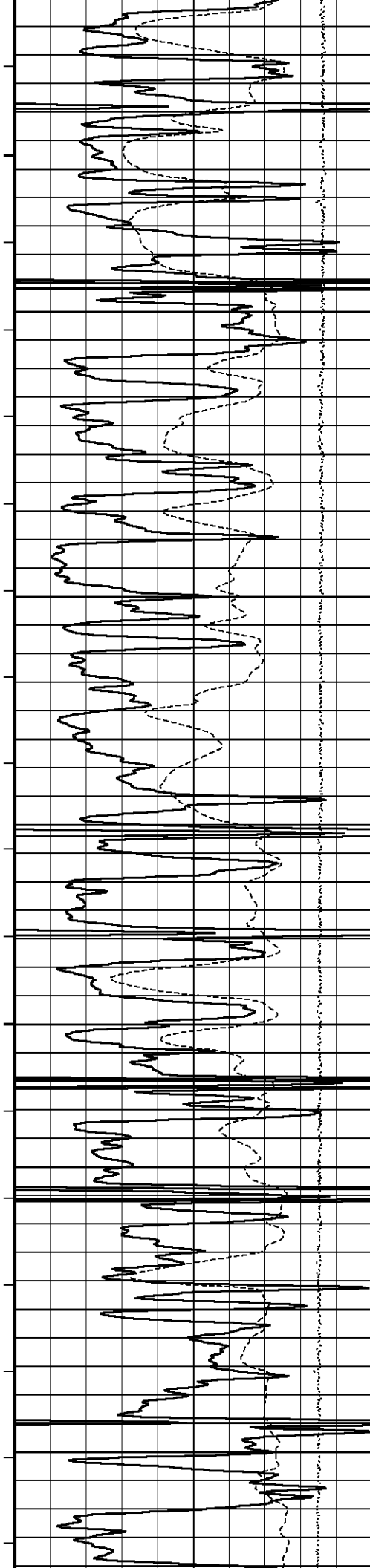
3100

110°

3200







3800

113°

3900

113°

4000

114°

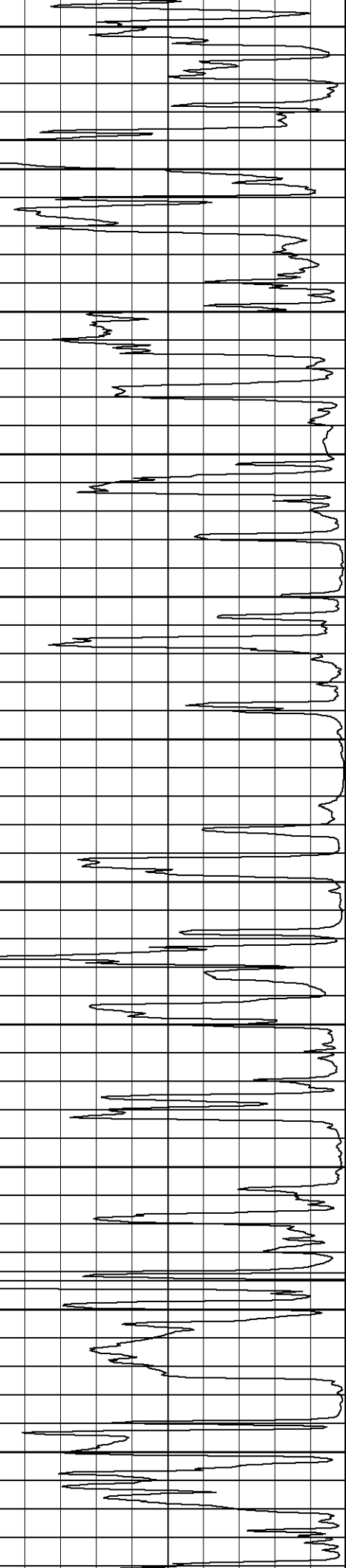
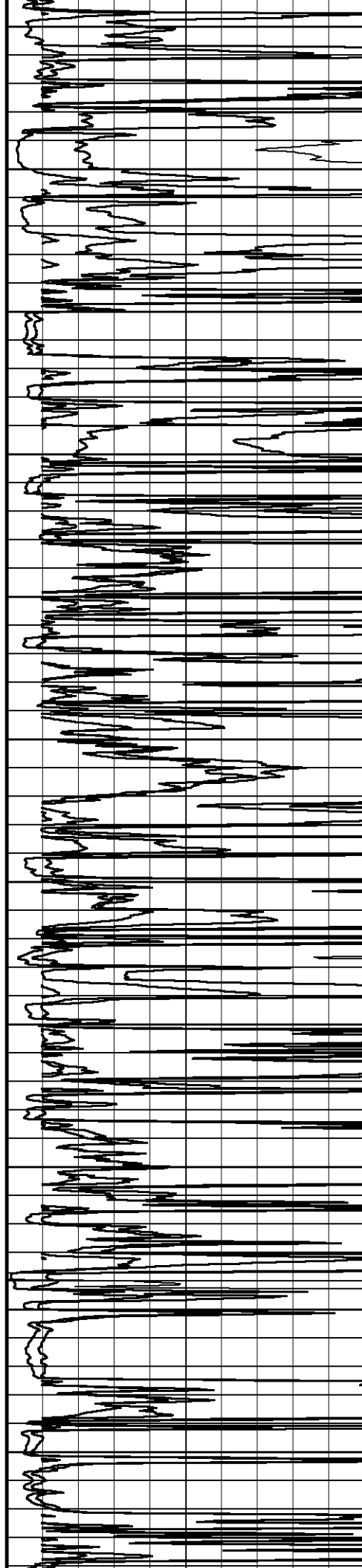
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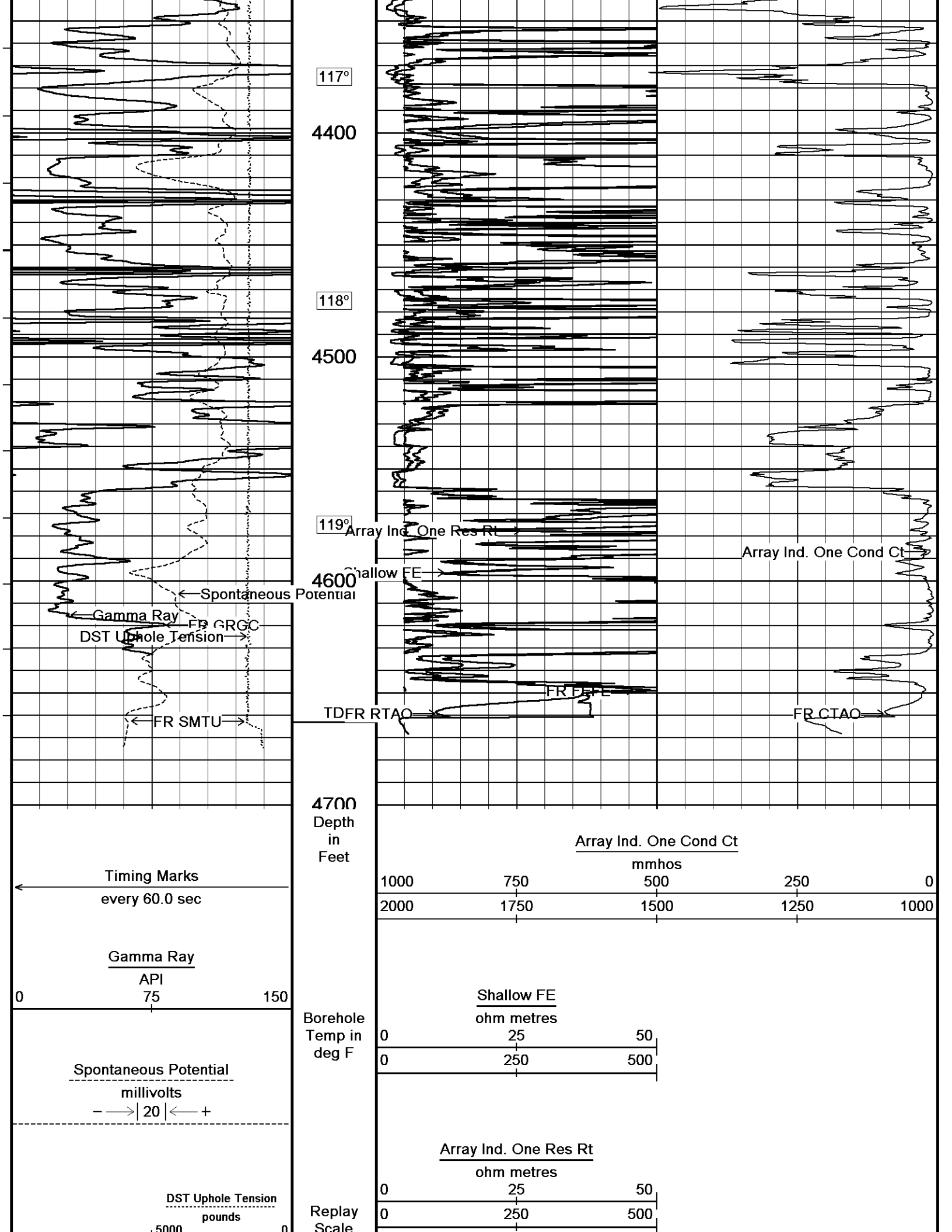
115°

4200

116°

4300





117°

4400

118°

4500

119°

4600

4700  
Depth  
in  
Feet

Borehole  
Temp in  
deg F

Replay  
Scale

Array Ind. One Res Rt

Array Ind. One Cond Ct

Shallow FE

TDFR RTAO

FR FE

FR CTAO

Timing Marks  
every 60.0 sec

Gamma Ray  
API  
0 75 150

Spontaneous Potential  
millivolts  
- - -> | 20 | <- - +

DST Uphole Tension  
pounds  
.5000 0

Array Ind. One Cond Ct

1000	750	500	250	0
2000	1750	1500	1250	1000

Shallow FE  
ohm metres

0	25	50
0	250	500

Array Ind. One Res Rt

0	25	50
0	250	500

Scale  
1:600

Depth Based Data - Maximum Sampling Increment 10.0cm

Plotted on 23-SEP-2012 13:48

Filename: C:\Minimus 13.02.6600\Data\Grand Mesa P-D #1-27\Grand Mesa P-D #1-27\_Main.dta

Recorded on 23-SEP-2012 11:46

System Versions: Logged with 13.02.6600 Plotted with 13.02.6600



### 2 INCH MAIN



### 5 INCH MAIN



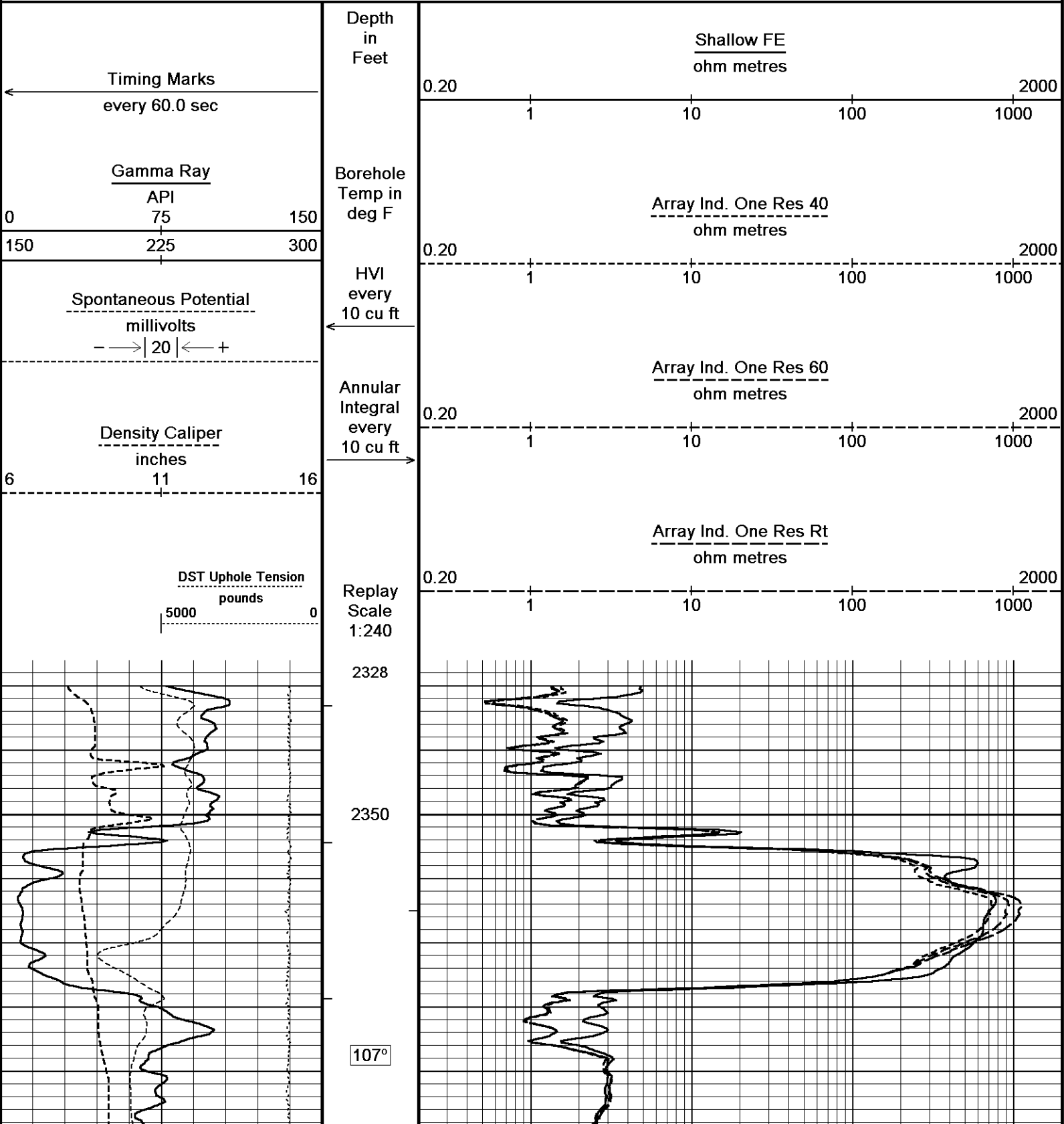
Depth Based Data - Maximum Sampling Increment 10.0cm

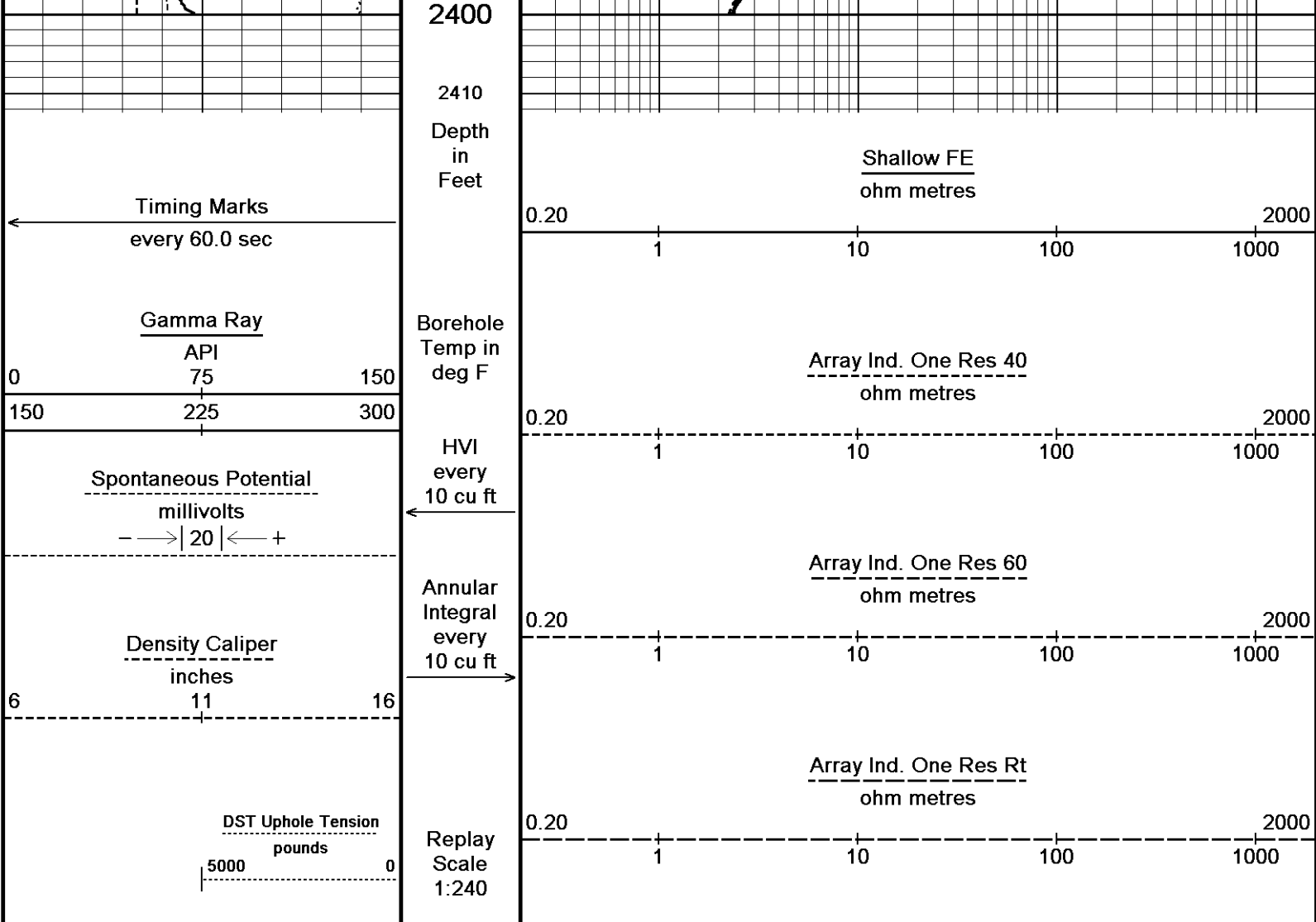
Plotted on 23-SEP-2012 13:48

Filename: C:\Minimus 13.02.6600\Data\Grand Mesa P-D #1-27\Grand Mesa P-D #1-27\_Main.dta

Recorded on 23-SEP-2012 11:46

System Versions: Logged with 13.02.6600 Plotted with 13.02.6600



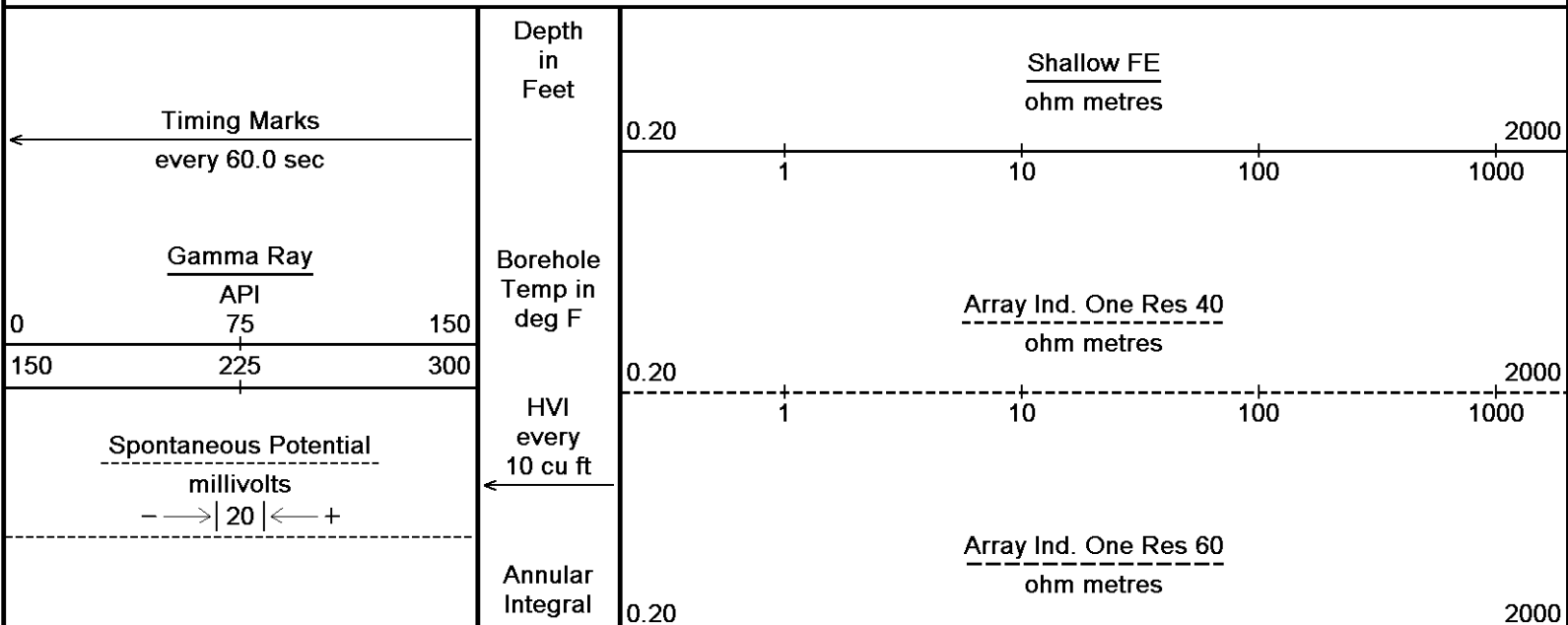


Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 23-SEP-2012 13:48  
 Filename: C:\Minimus 13.02.6600\Data\Grand Mesa P-D #1-27\Grand Mesa P-D #1-27\_Main.dta Recorded on 23-SEP-2012 11:46  
 System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

↑ 5 INCH MAIN ↑

↓ 5 INCH MAIN ↓

Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 23-SEP-2012 13:48  
 Filename: C:\Minimus 13.02.6600\Data\Grand Mesa P-D #1-27\Grand Mesa P-D #1-27\_Main.dta Recorded on 23-SEP-2012 11:46  
 System Versions: Logged with 13.02.6600 Plotted with 13.02.6600



Density Caliper  
inches  
6 11 16

DST Uphole Tension  
pounds  
5000 0

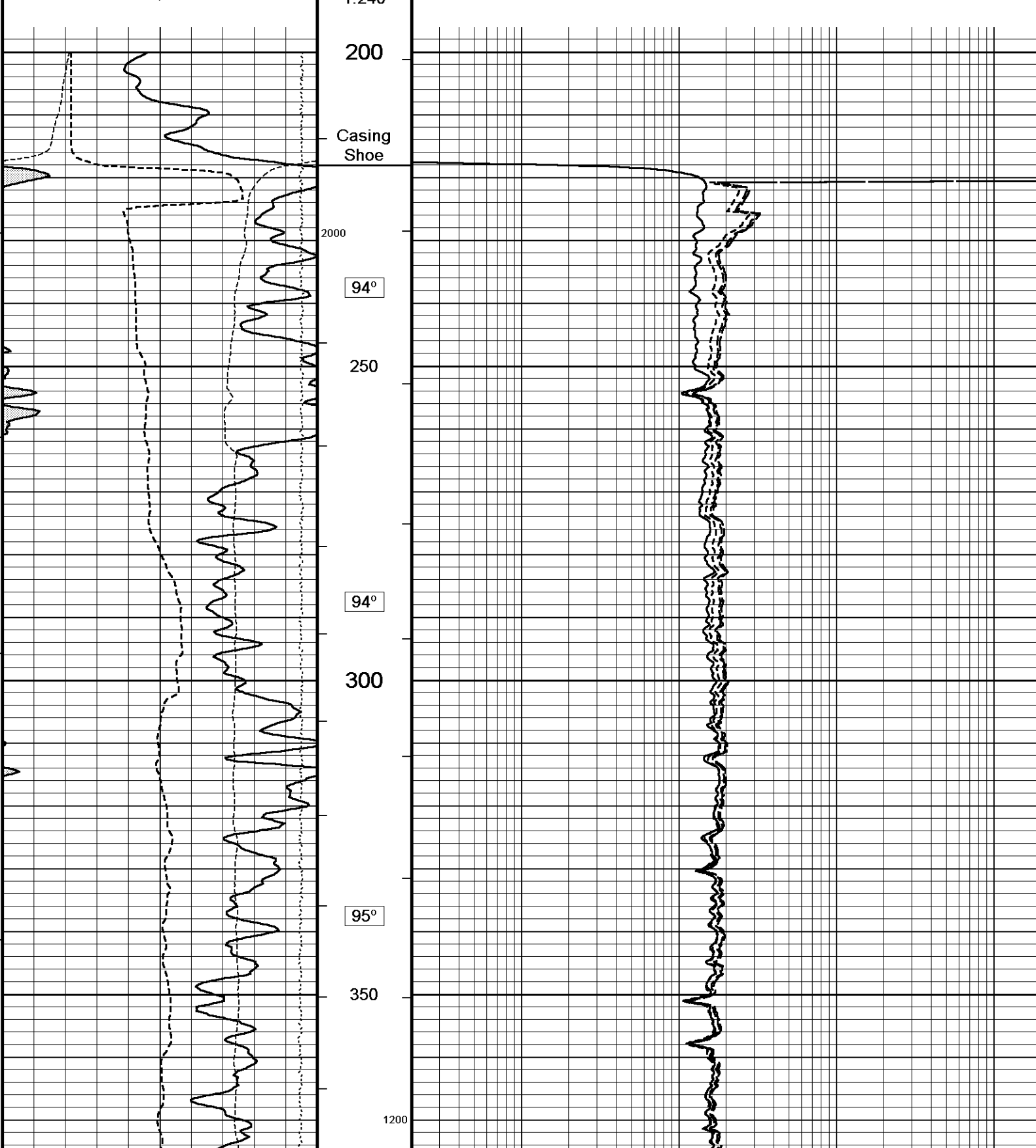
every  
10 cu ft →

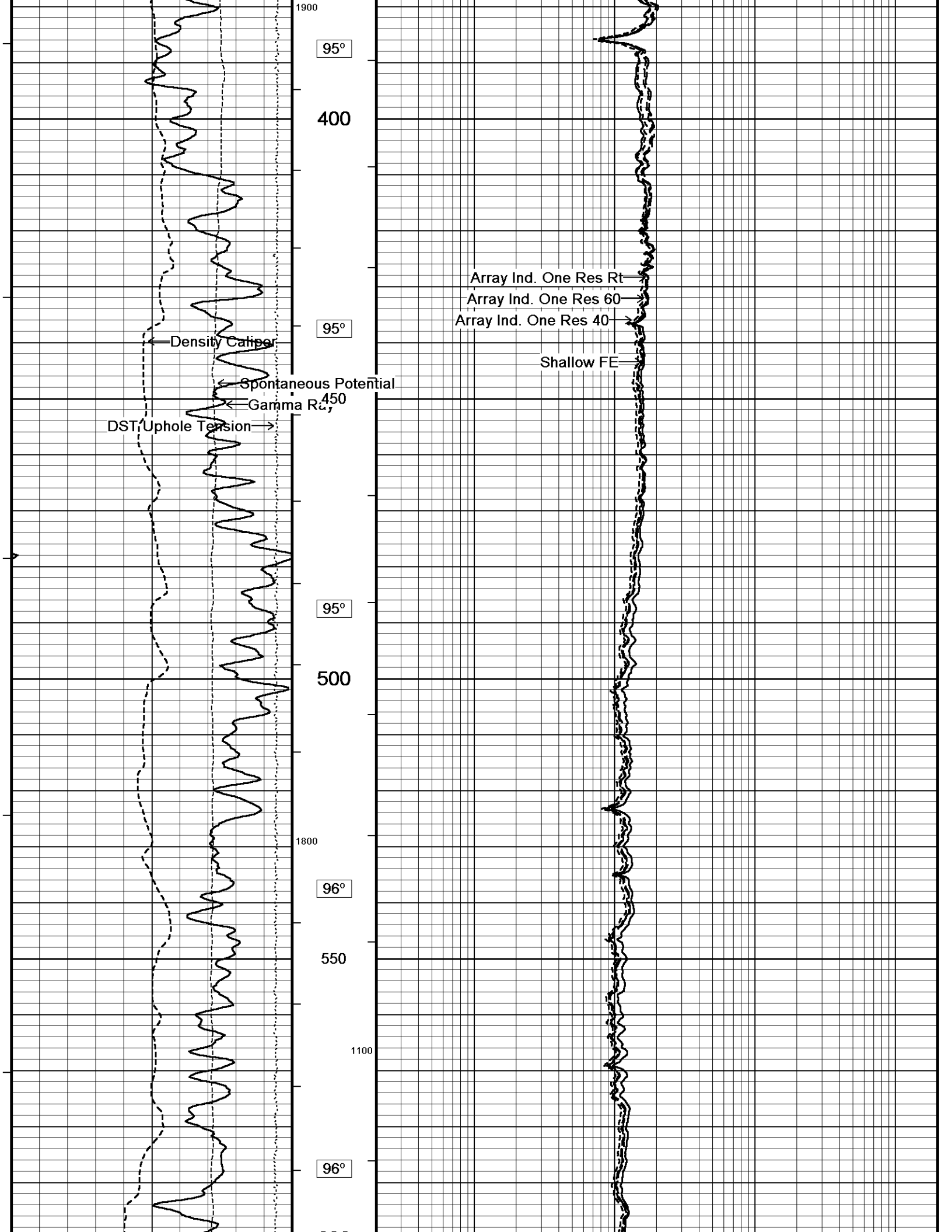
Replay  
Scale  
1:240

1 10 100 1000

Array Ind. One Res Rt  
ohm metres

0.20 1 10 100 1000 2000





95°

400

95°

Density Caliper

Spontaneous Potential

Gamma Ray

DST/Uphole Tension

Array Ind. One Res Rt

Array Ind. One Res 60

Array Ind. One Res 40

Shallow FE

95°

500

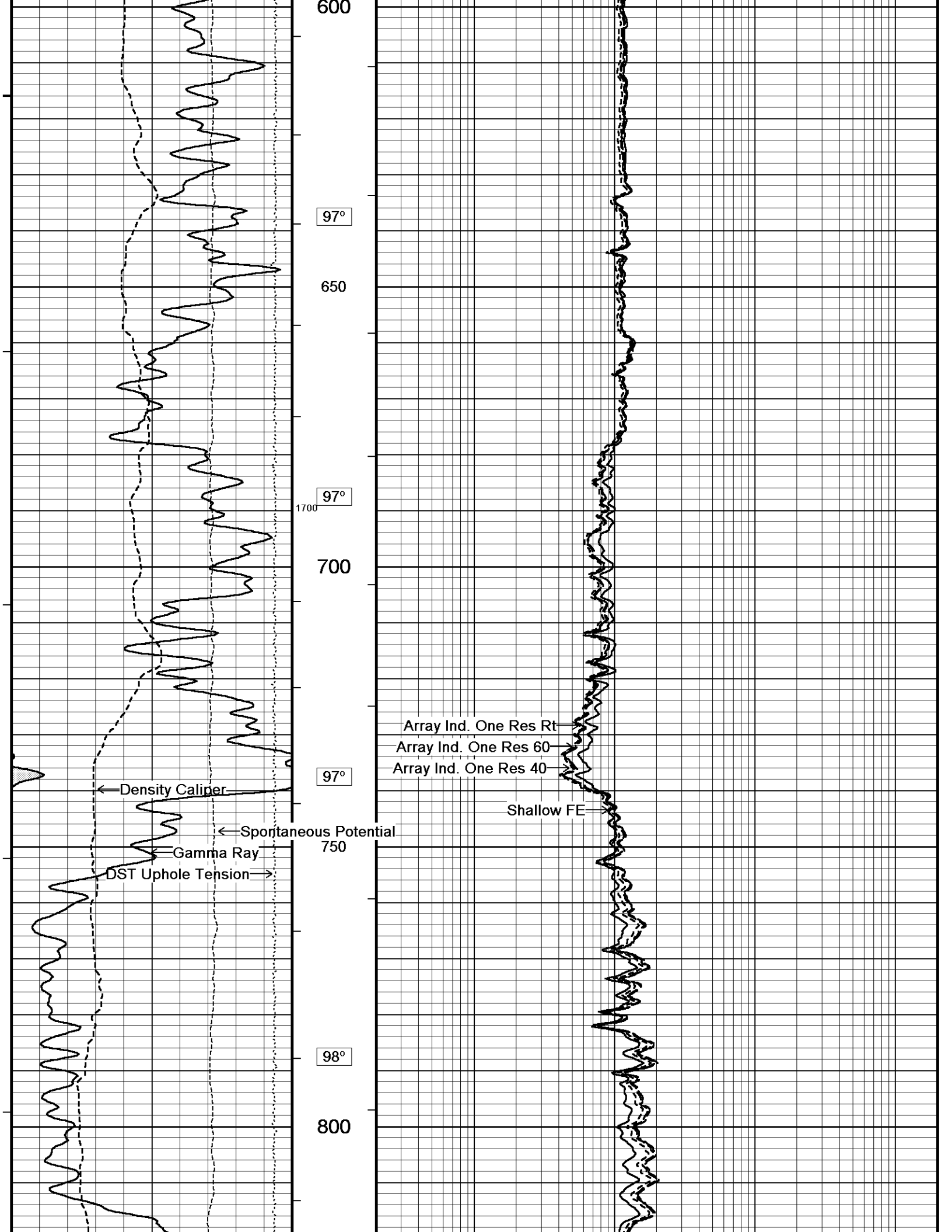
1800

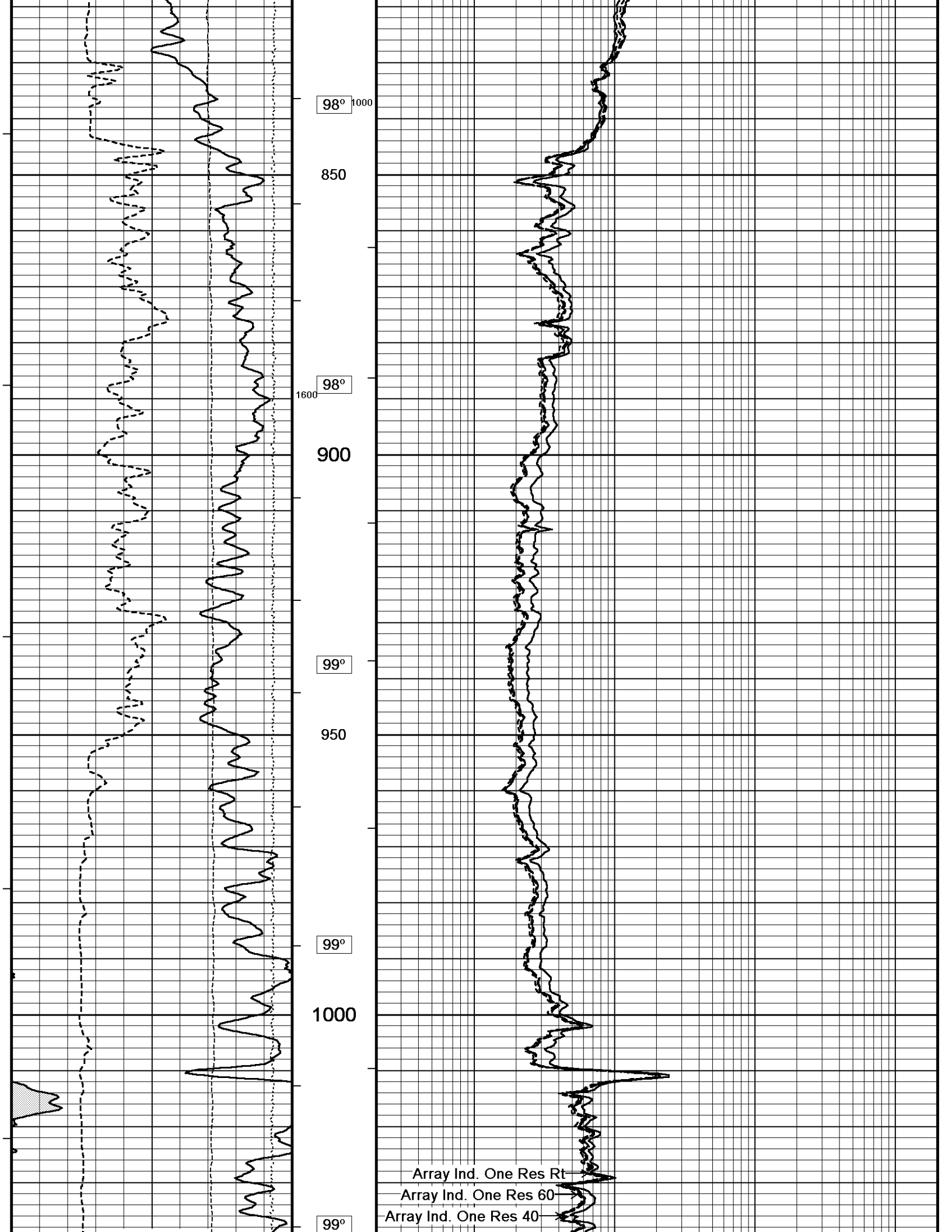
96°

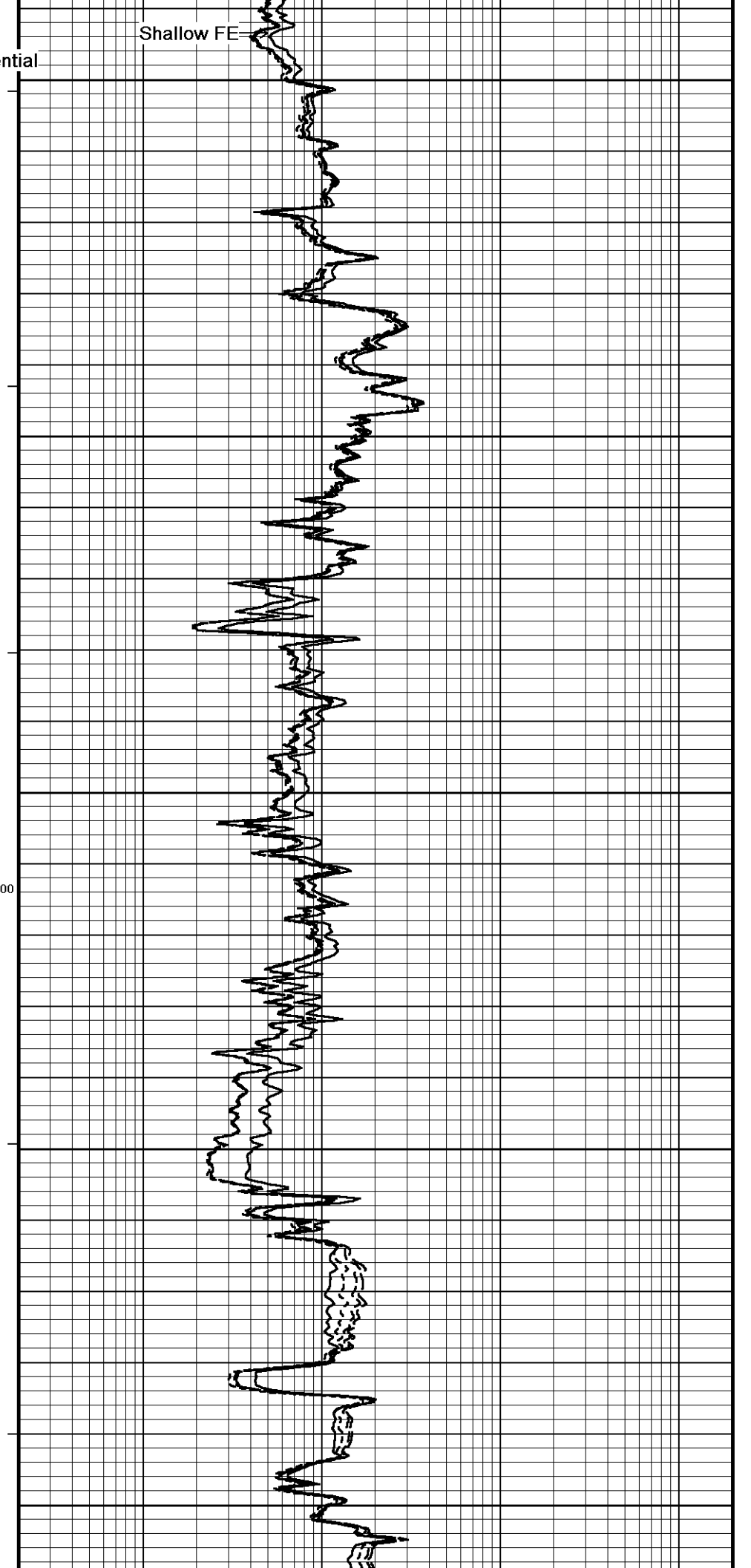
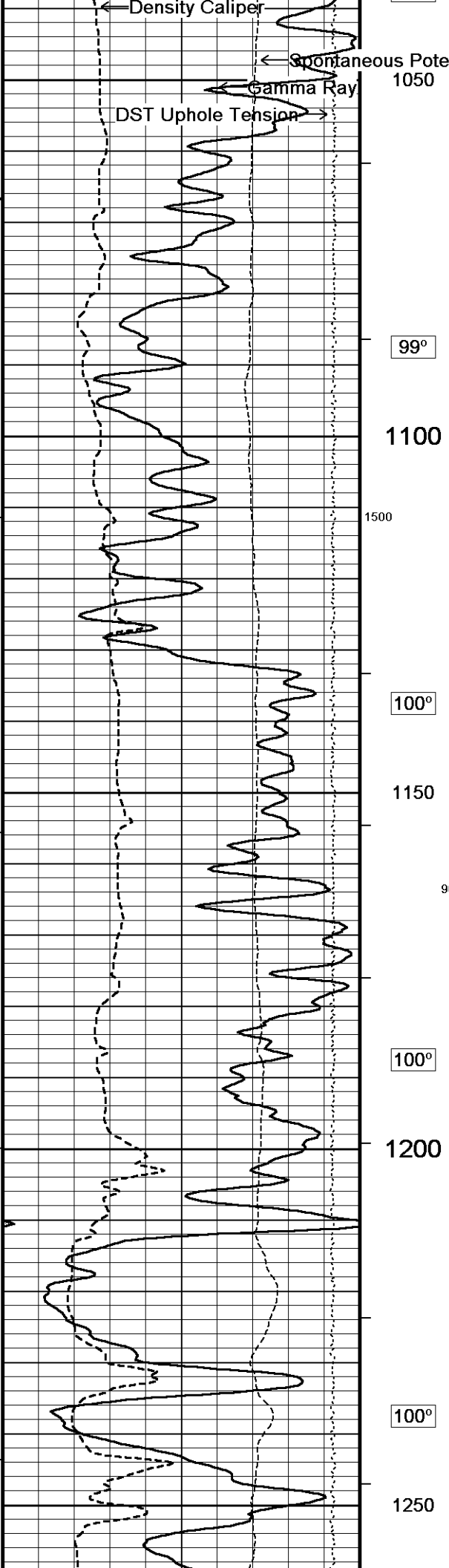
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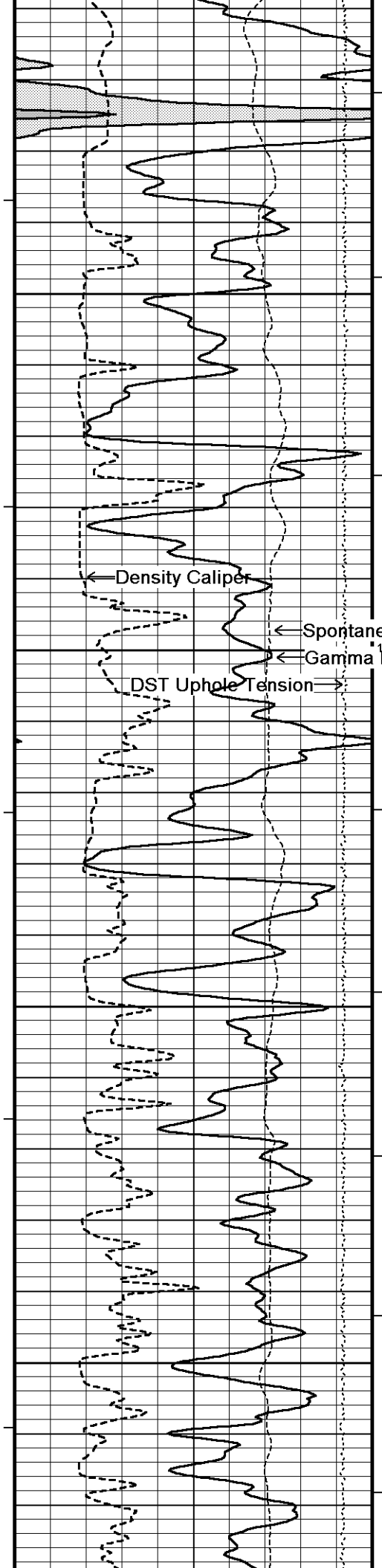
1100

96°









101°

1300

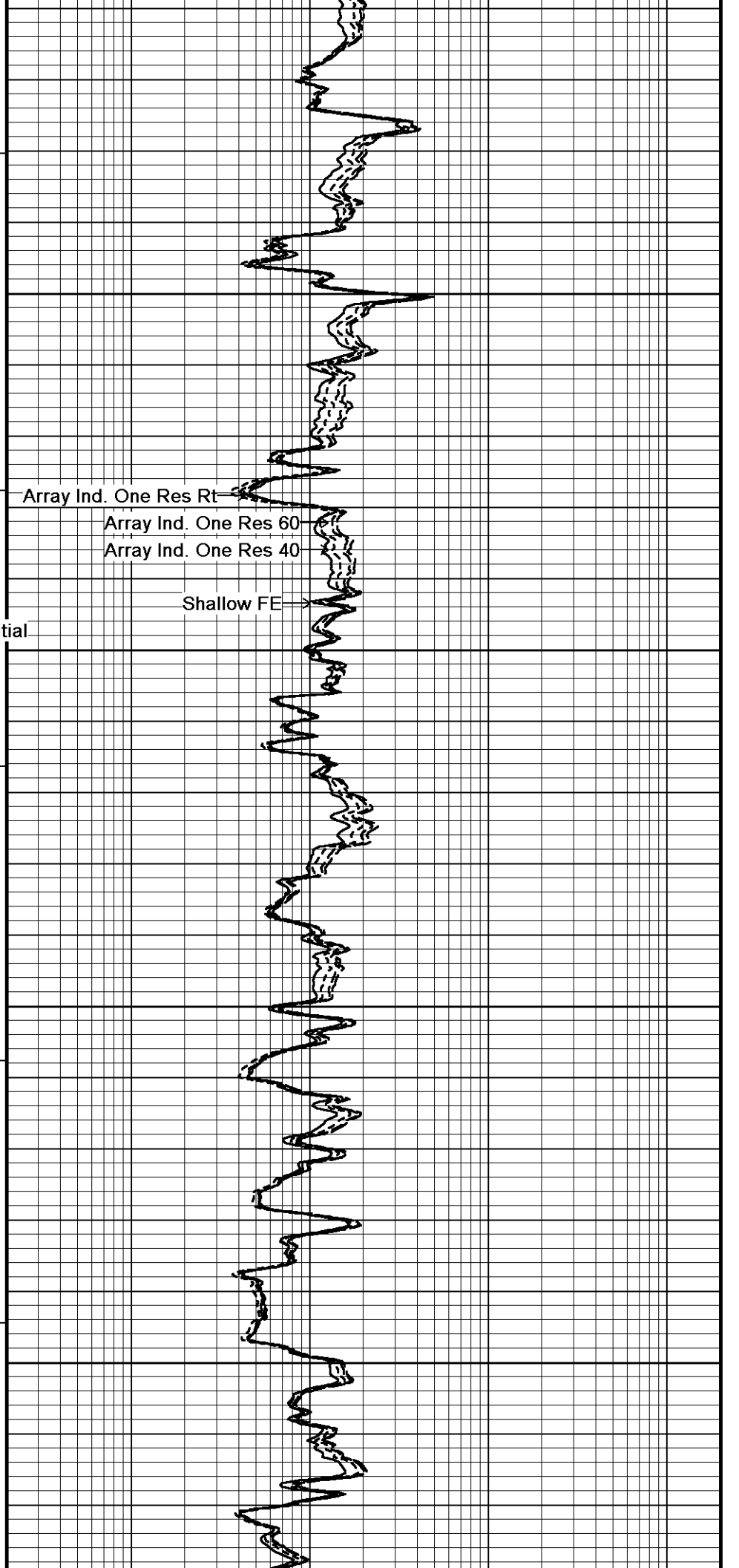
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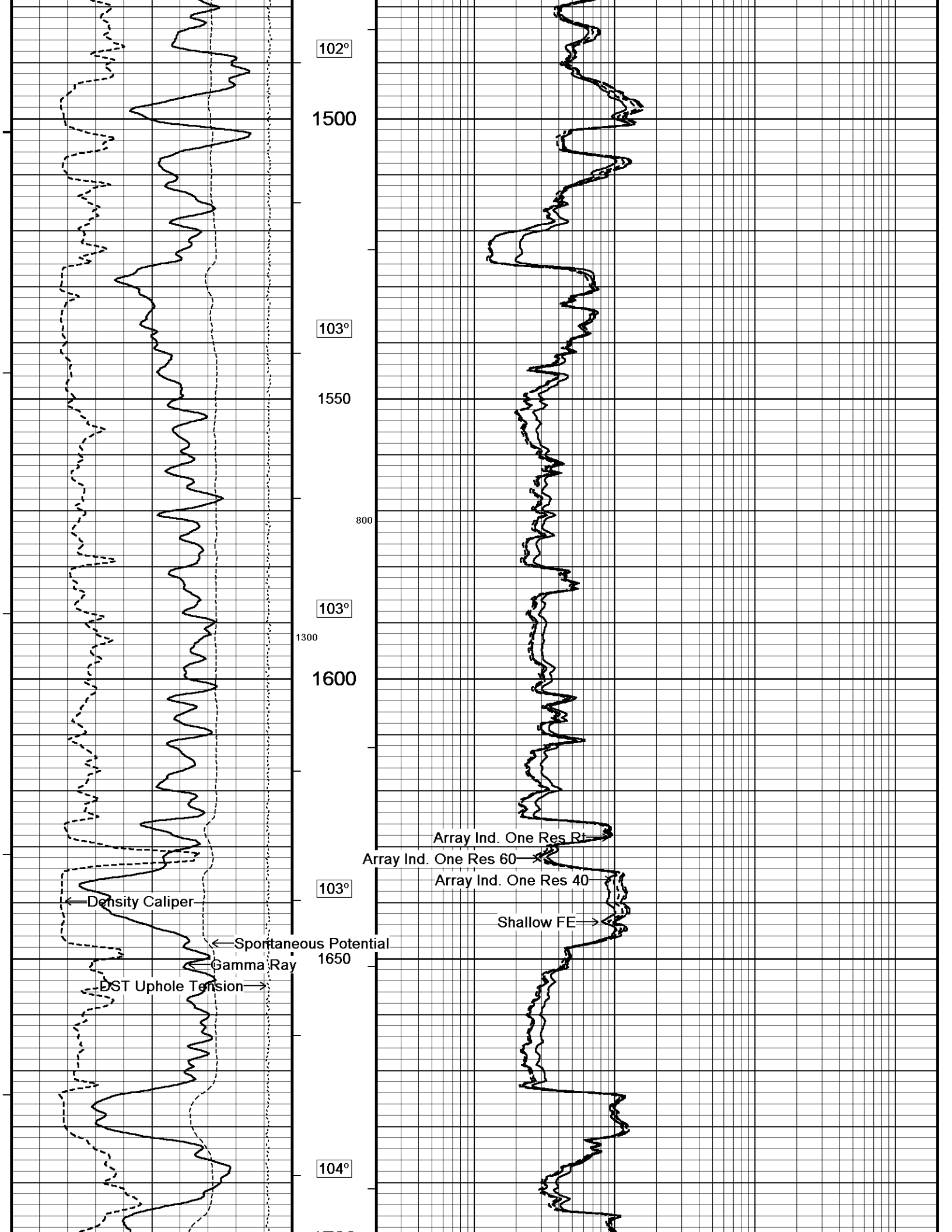
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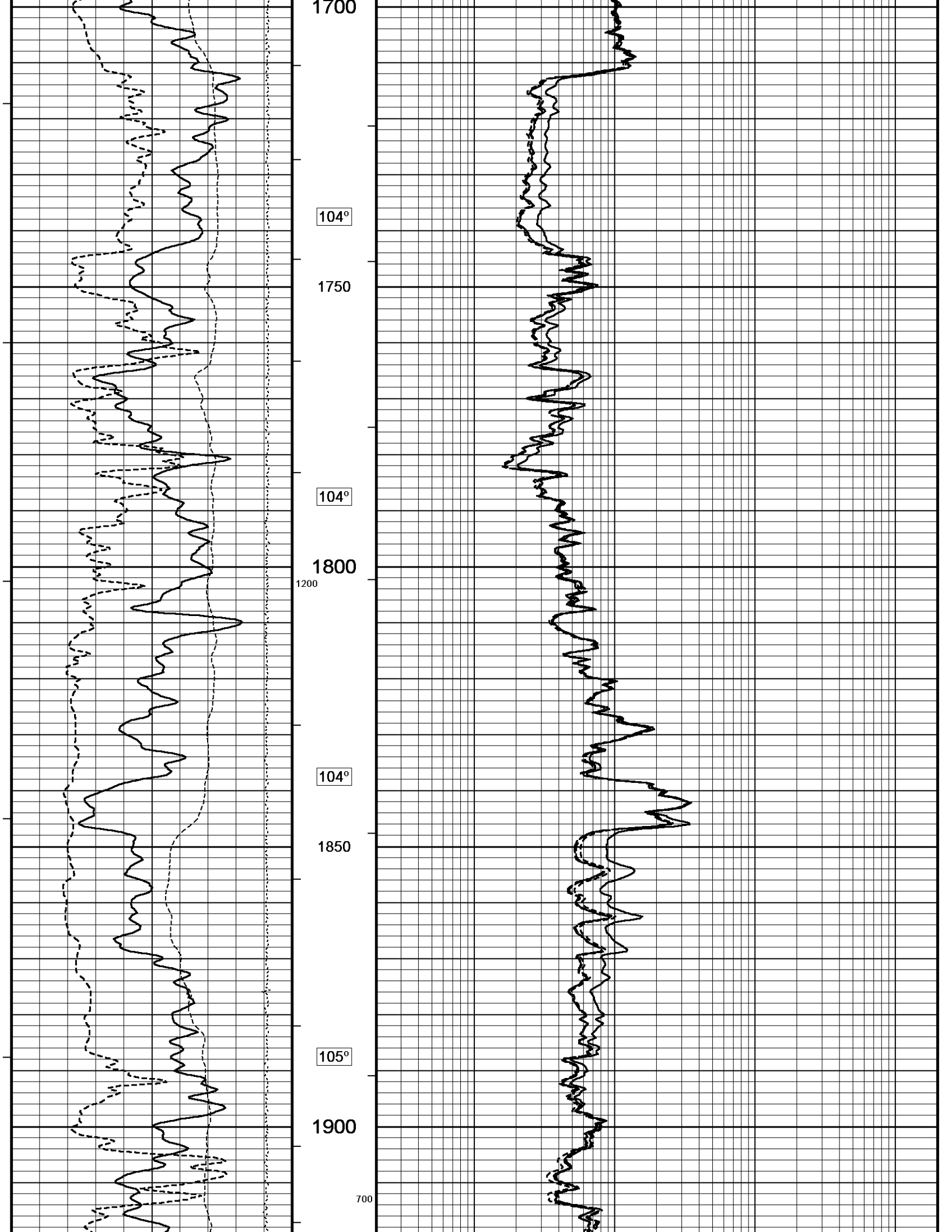
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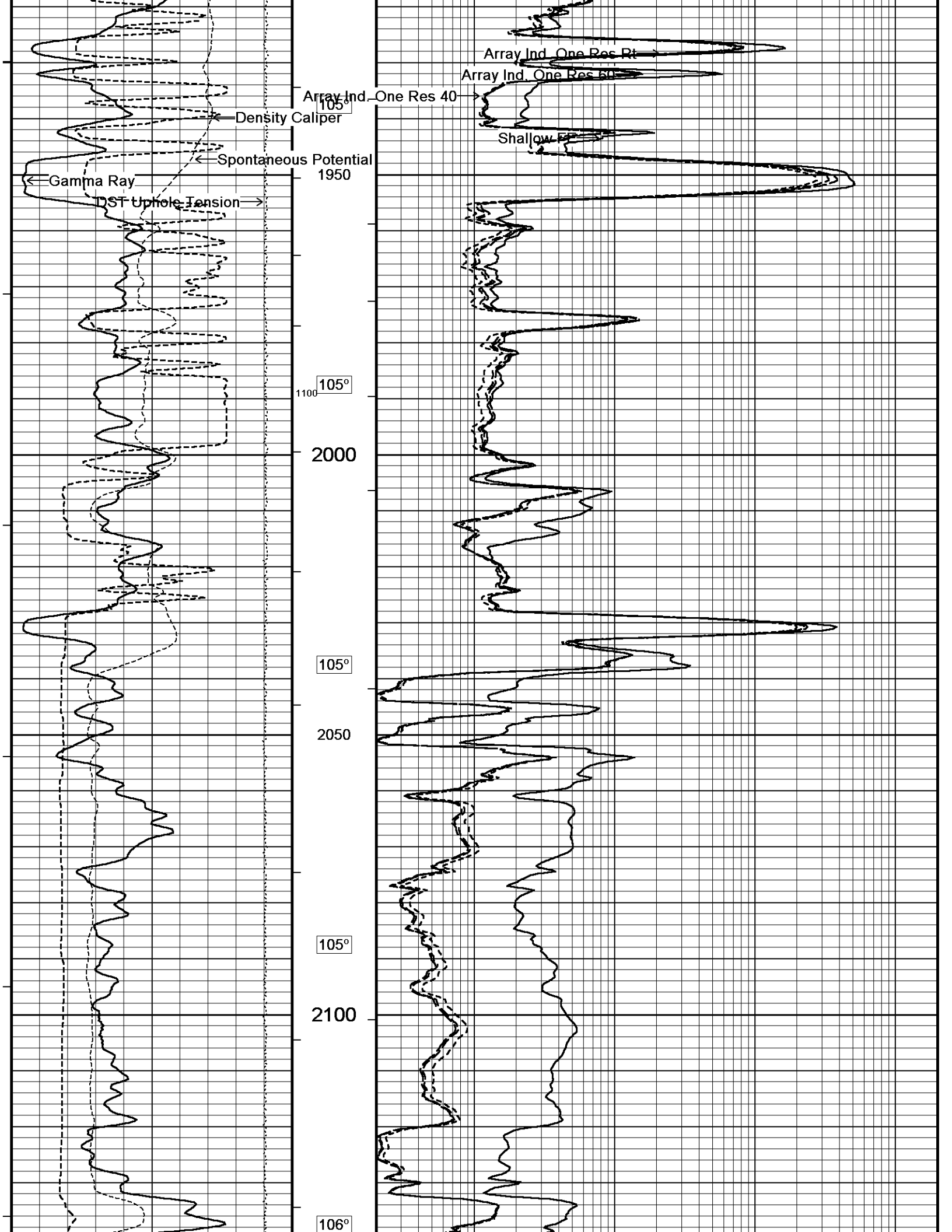
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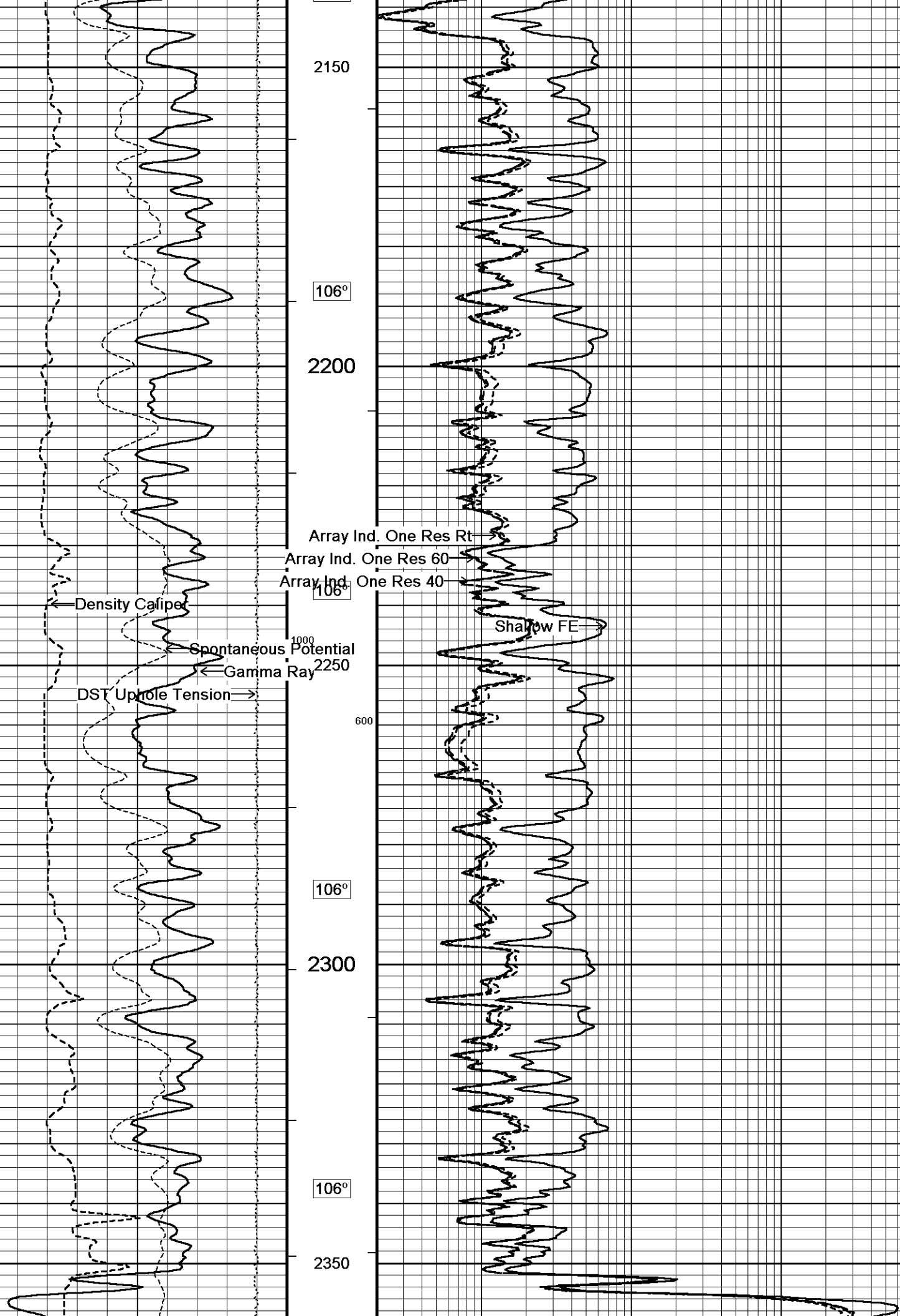
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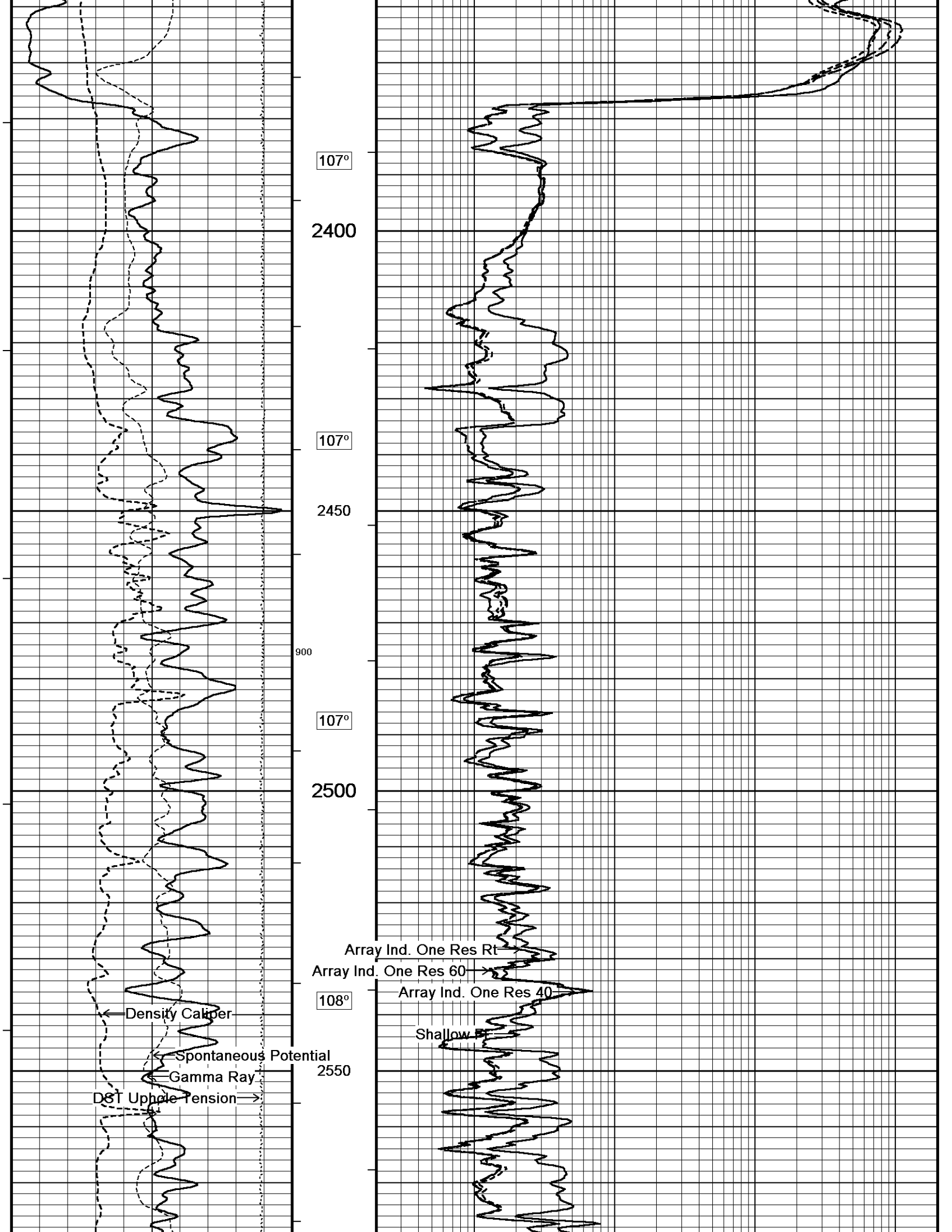


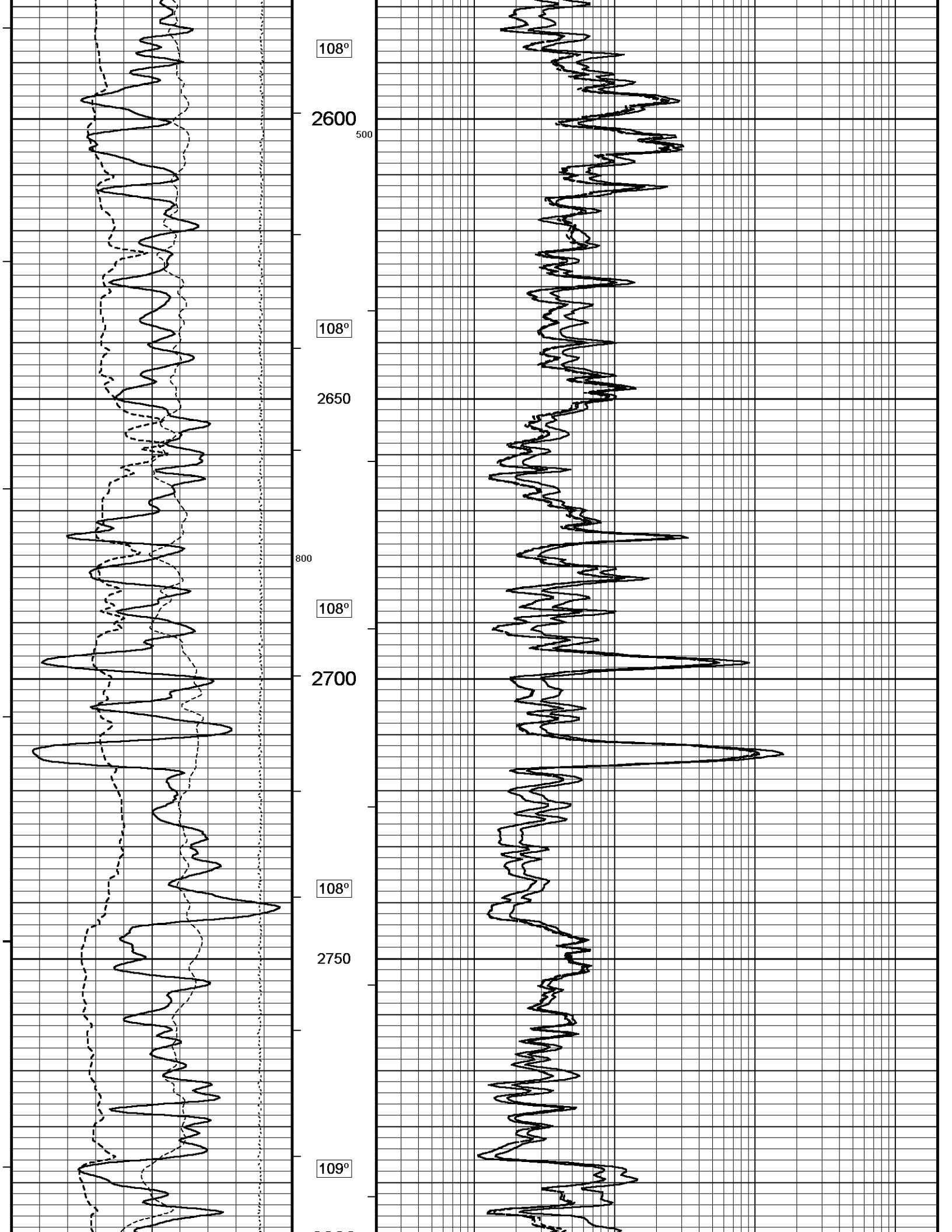


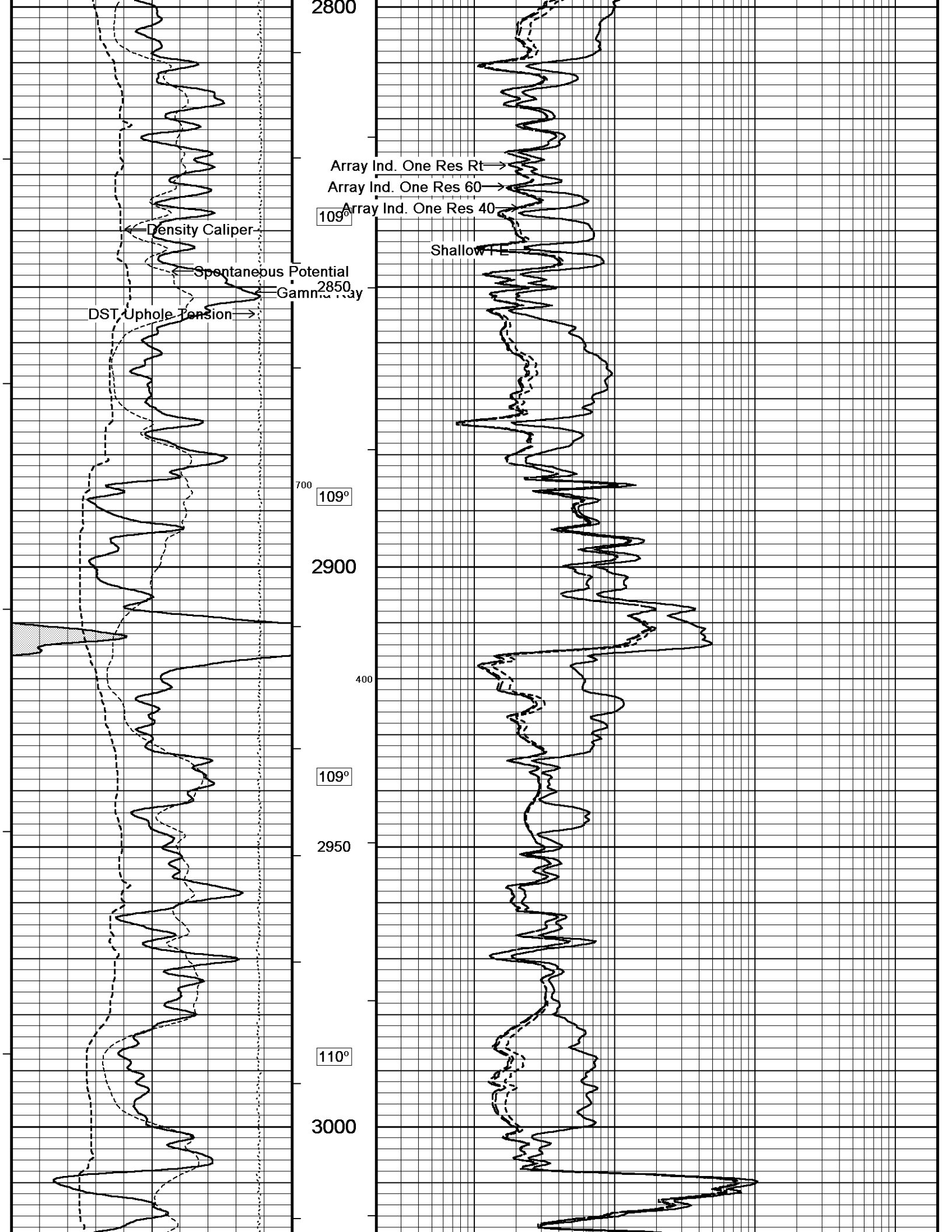


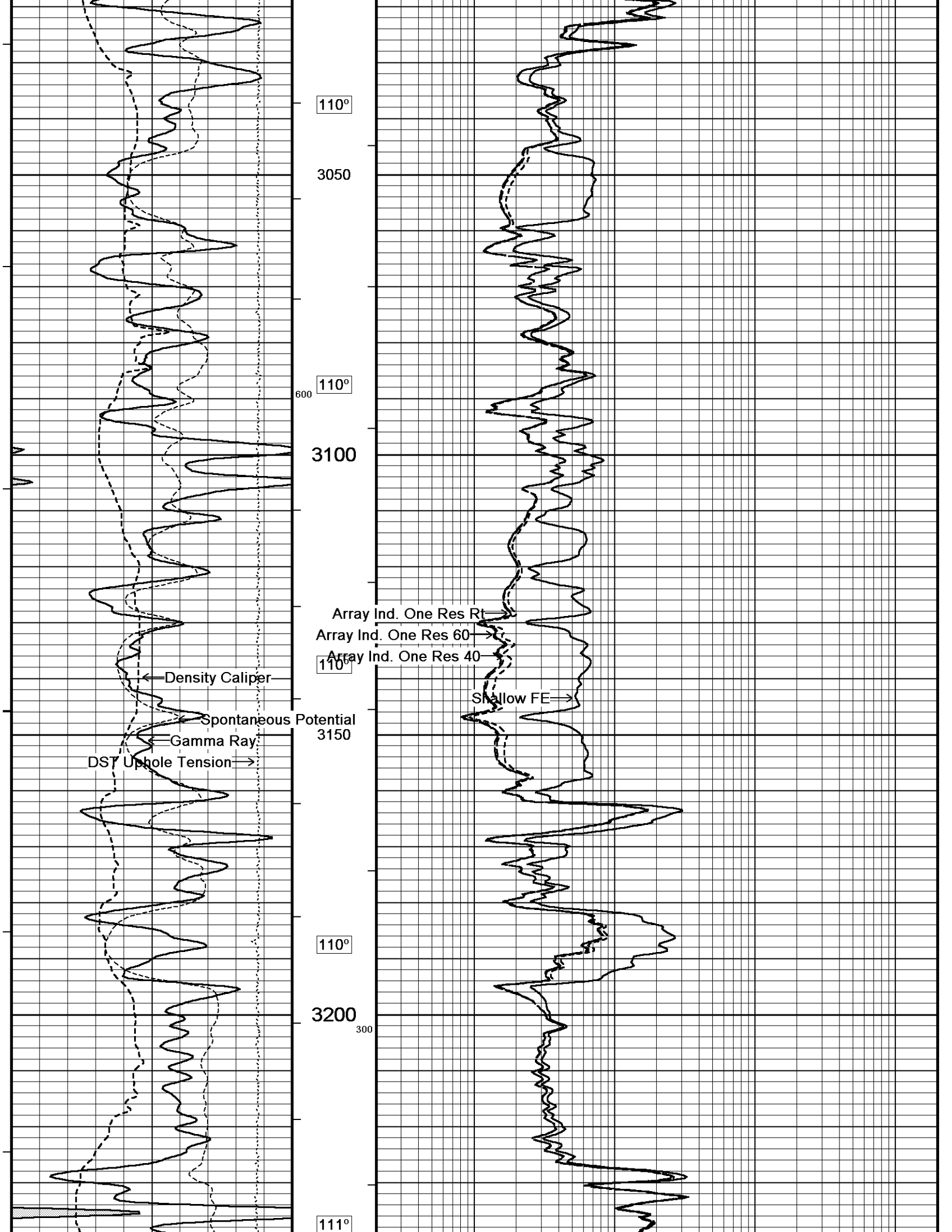


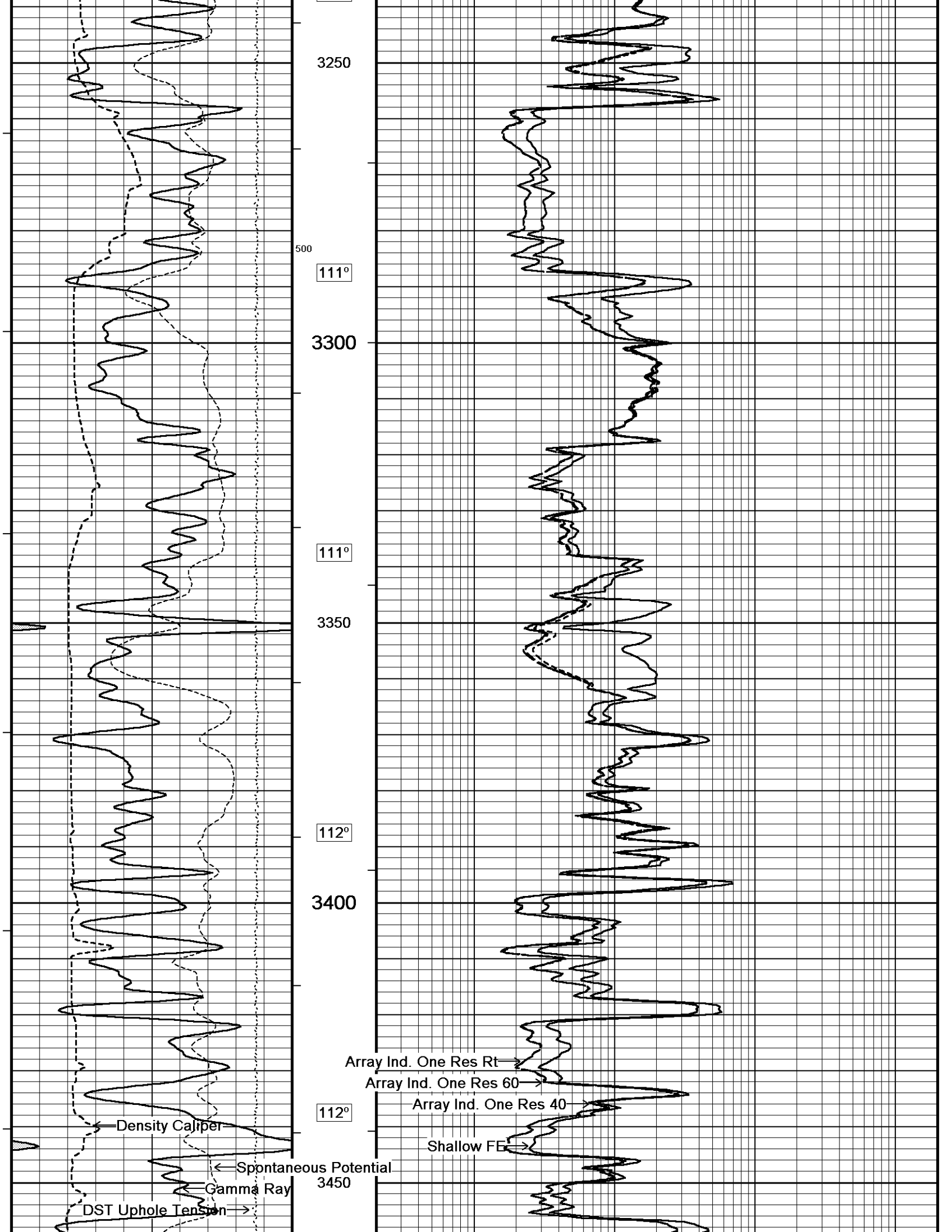


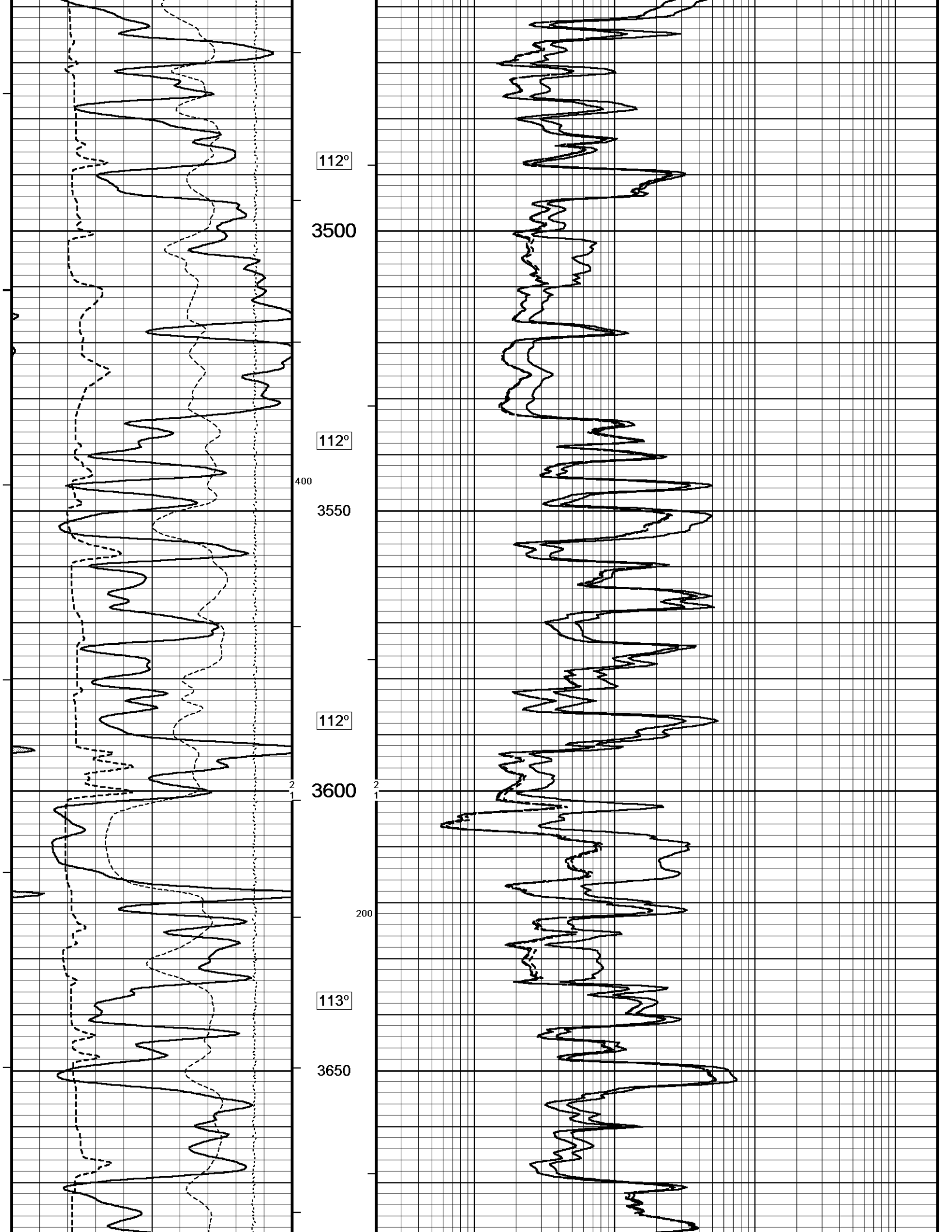


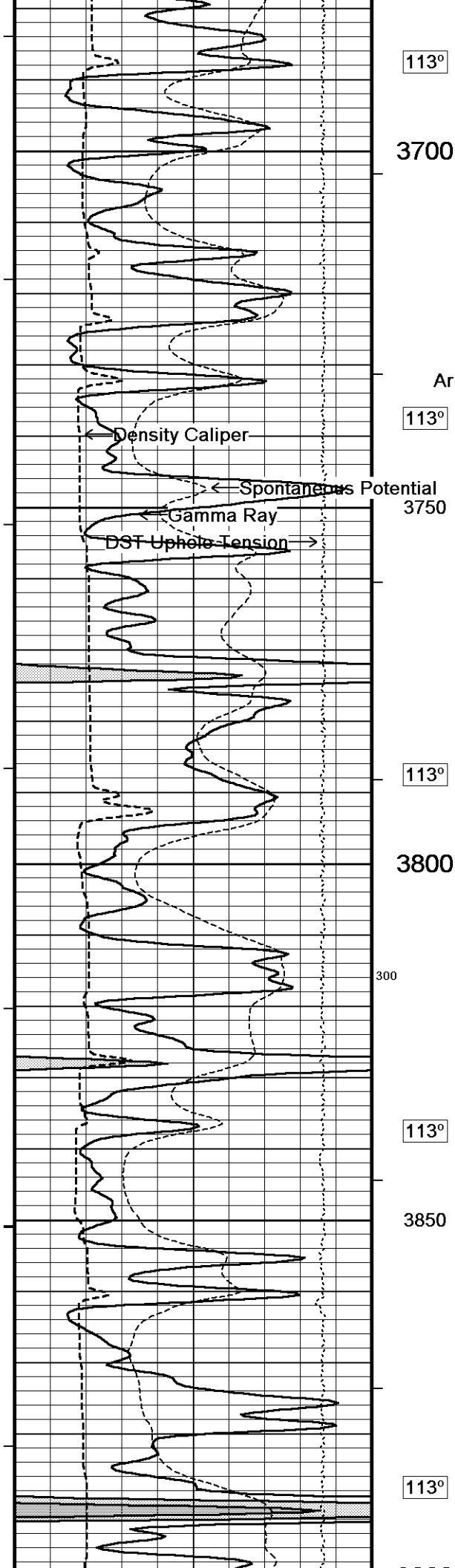












113°

3700

113°

3750

113°

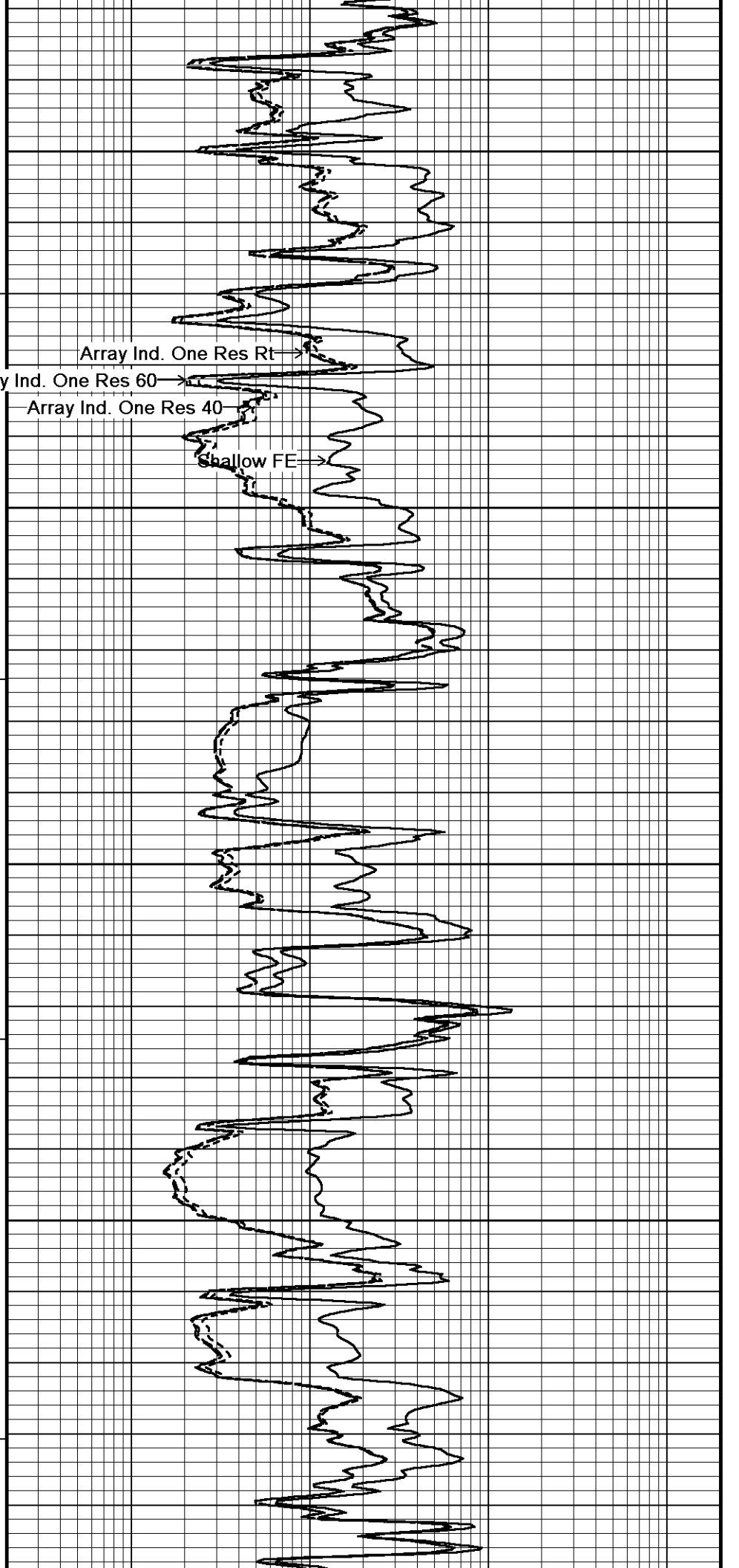
3800

300

113°

3850

113°

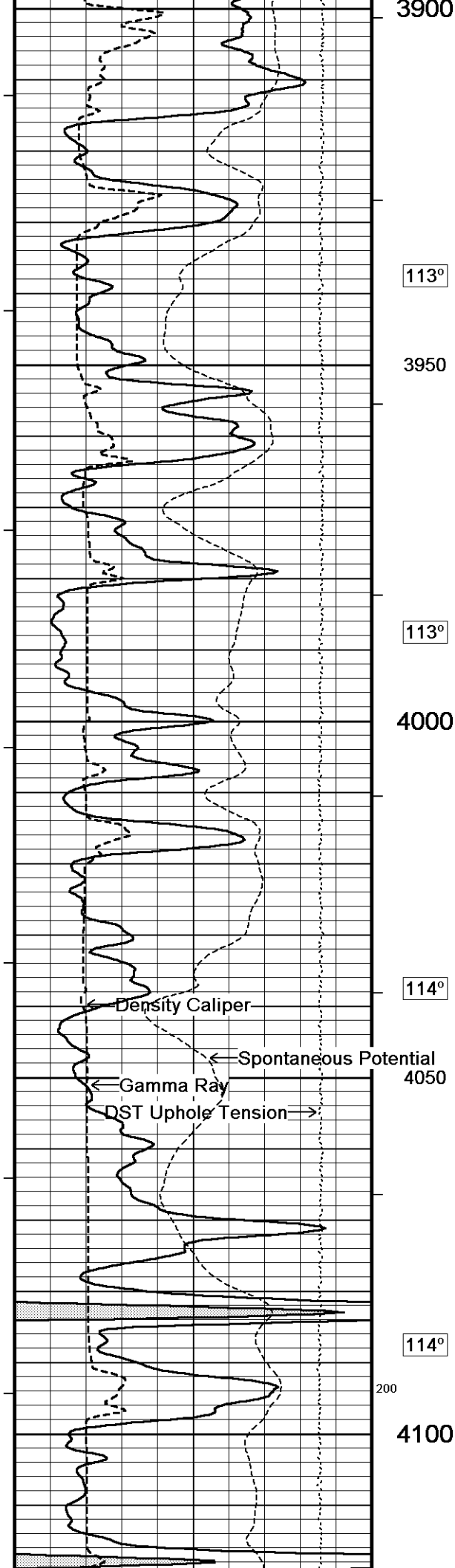


Array Ind. One Res Rt

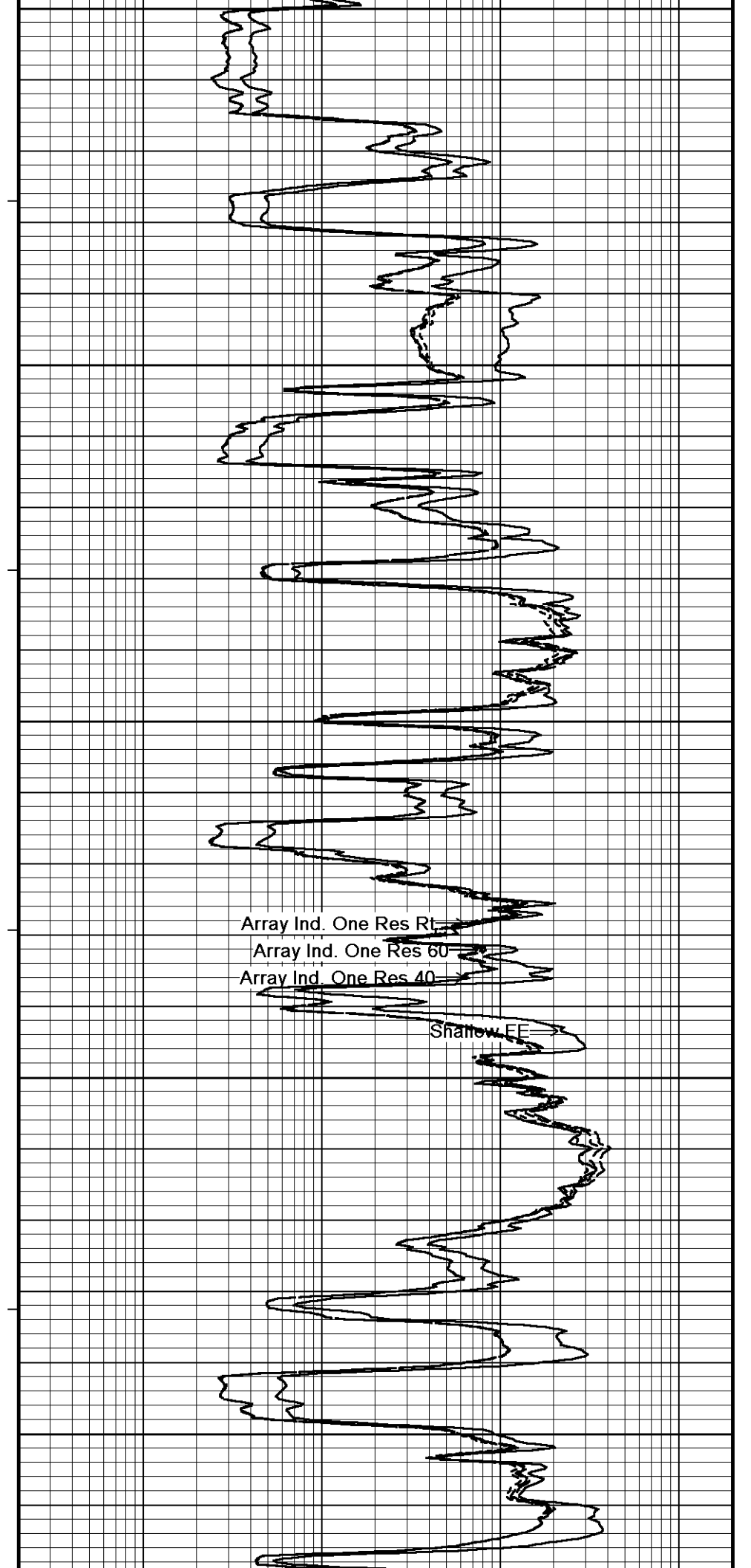
Array Ind. One Res 60

Array Ind. One Res 40

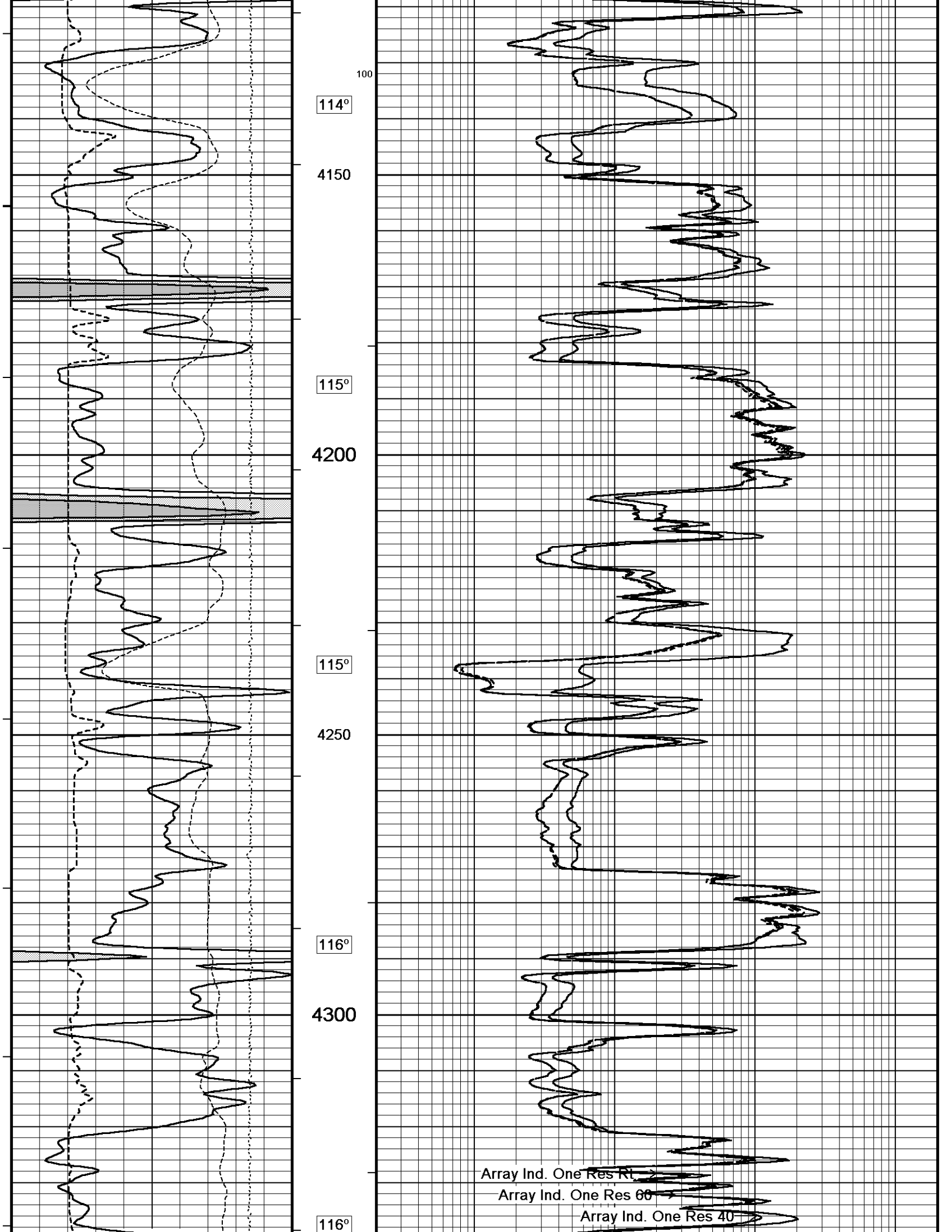
Shallow FE



3900  
113°  
3950  
113°  
4000  
114°  
4050  
114°  
200  
4100



Array Ind. One Res Rt  
Array Ind. One Res 60  
Array Ind. One Res 40  
Shallow FF



114°

115°

115°

116°

116°

116°

116°

100

4150

4200

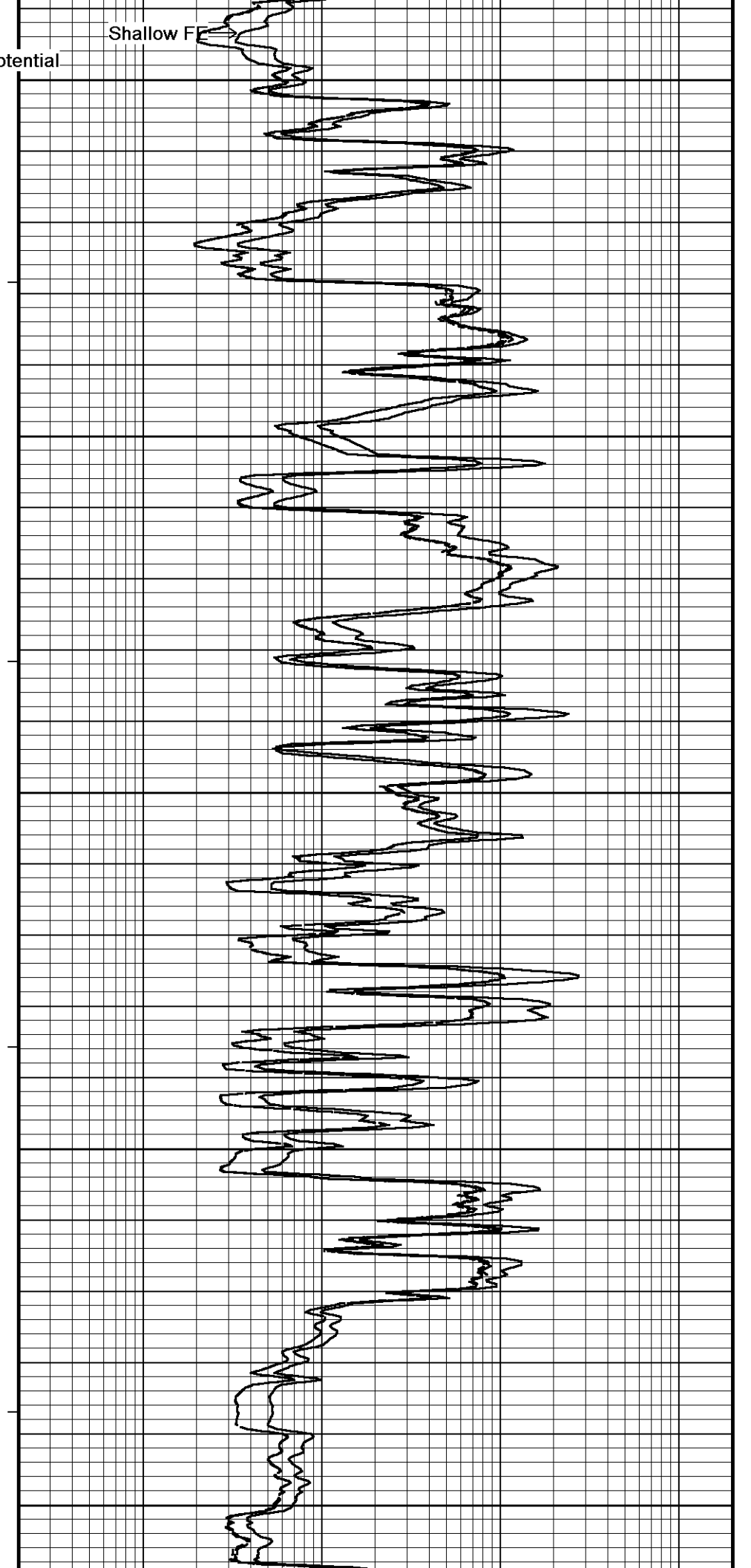
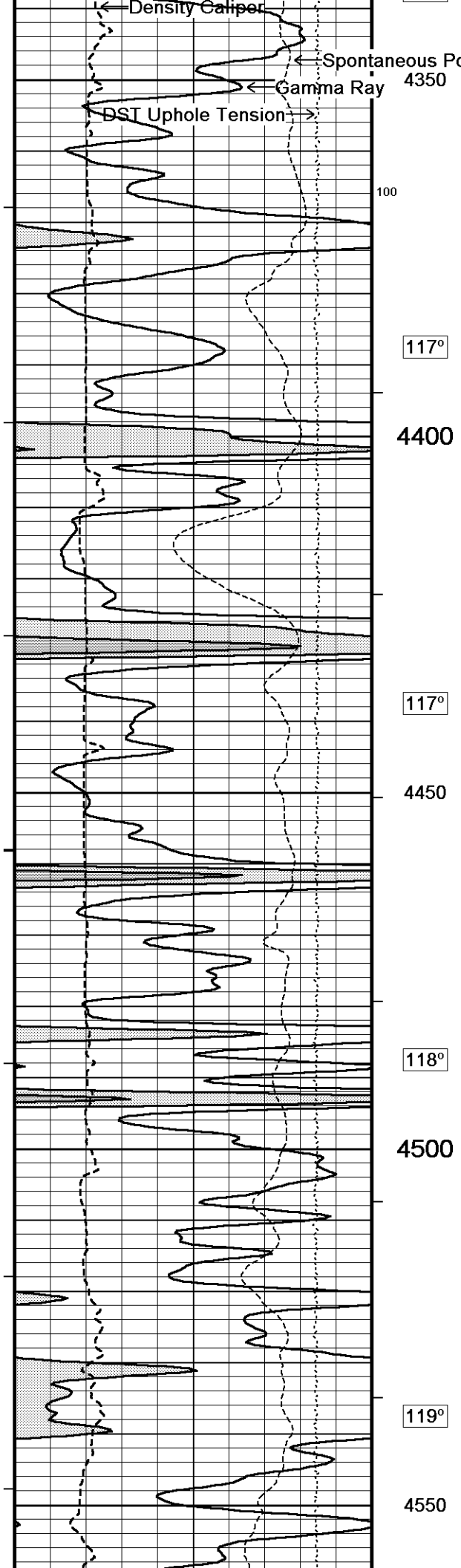
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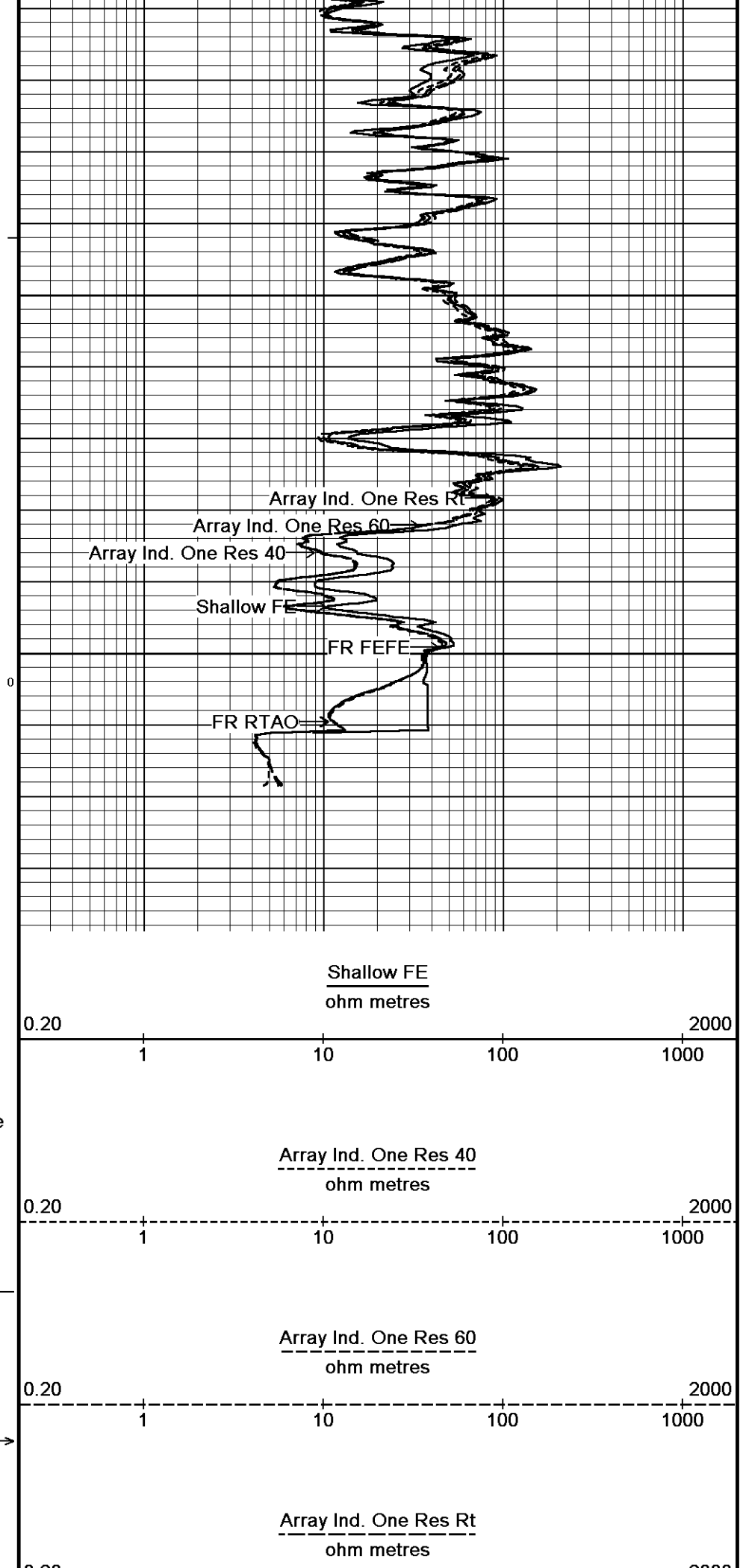
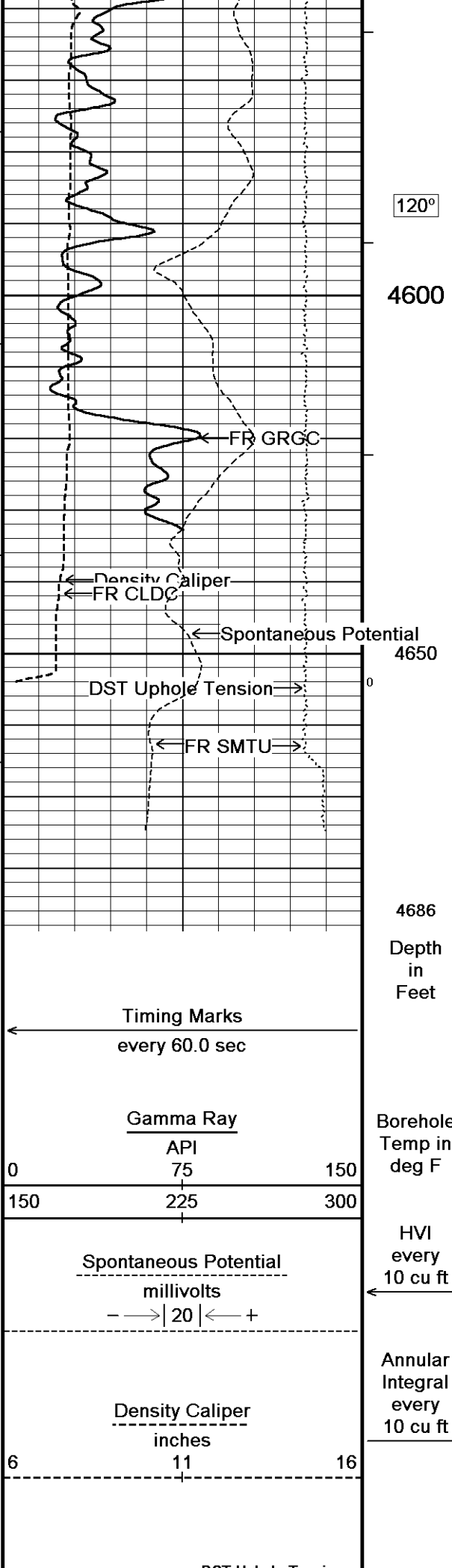
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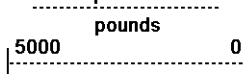
Array Ind. One Res Rt

Array Ind. One Res 60

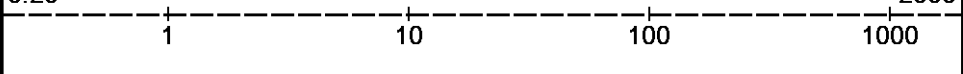
Array Ind. One Res 40







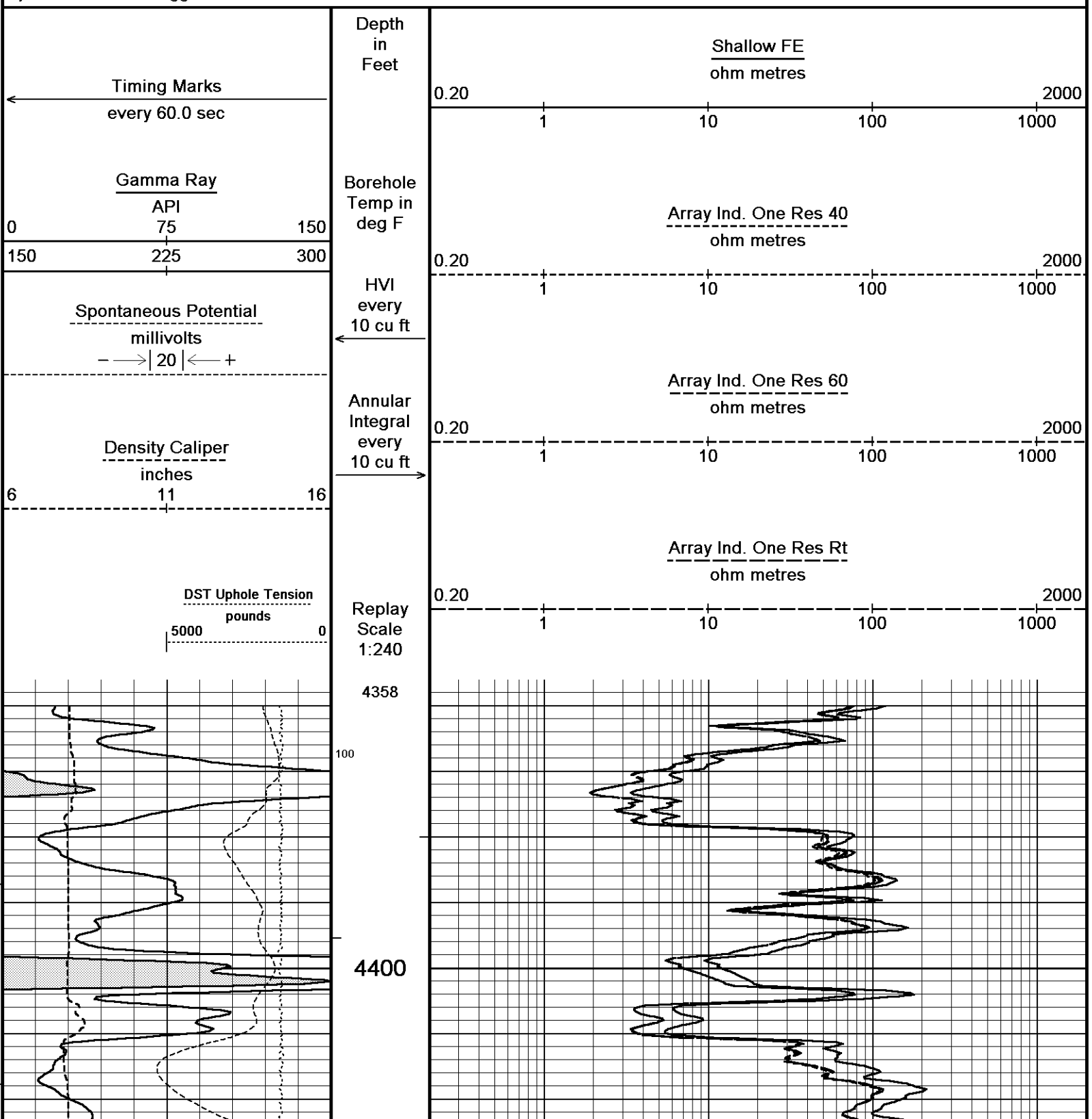
Replay  
Scale  
1:240

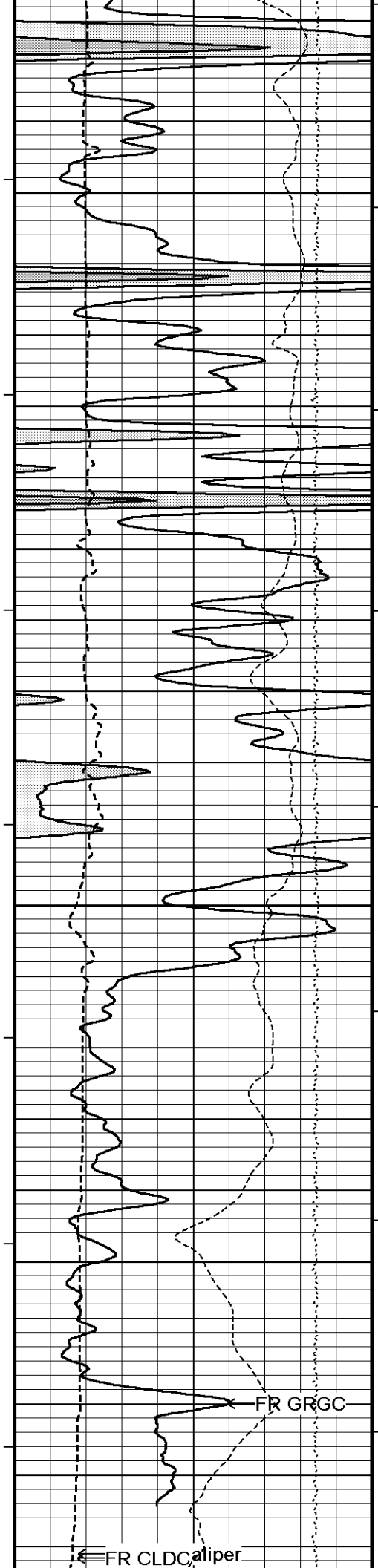


Depth Based Data - Maximum Sampling Increment 10.0cm  
 Plotted on 23-SEP-2012 13:48  
 Filename: C:\Minimus 13.02.6600\Data\Grand Mesa P-D #1-27\Grand Mesa P-D #1-27\_Main.dta  
 Recorded on 23-SEP-2012 11:46  
 System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

5 INCH MAIN

Depth Based Data - Maximum Sampling Increment 10.0cm  
 Plotted on 23-SEP-2012 13:48  
 Filename: C:\Minimus 13.02.6600\Data\Grand Mesa P-D #1-27\Grand Mesa P-D #1-27\_001.dta  
 Recorded on 23-SEP-2012 11:22  
 System Versions: Logged with 13.02.6600 Plotted with 13.02.6600





116°

4450

117°

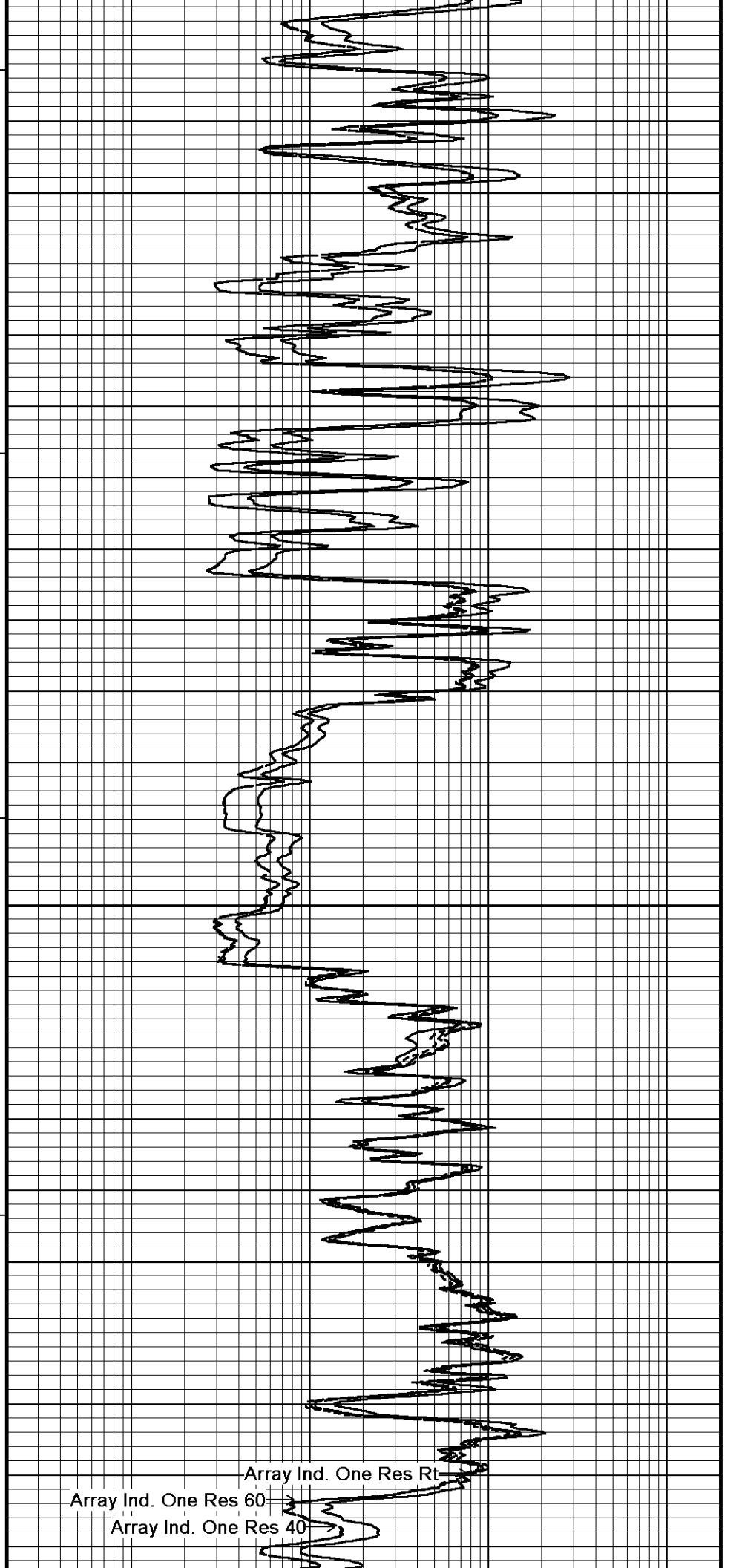
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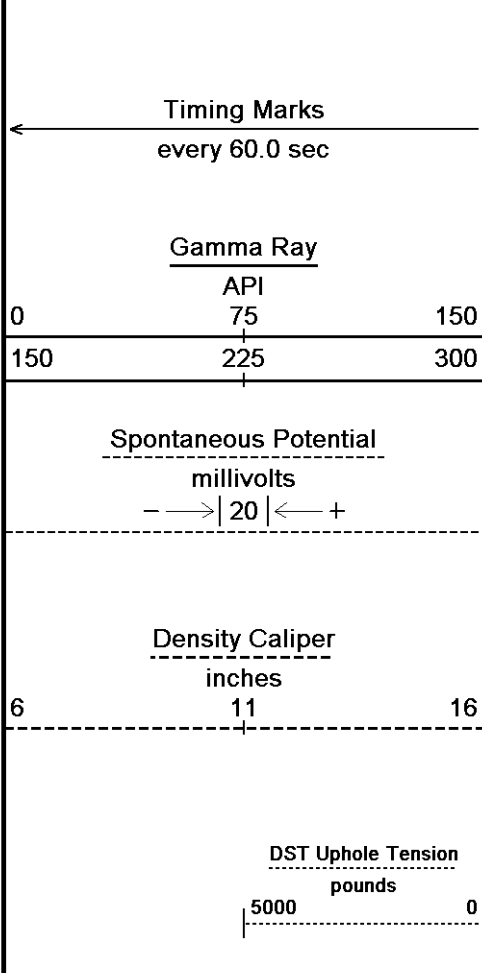
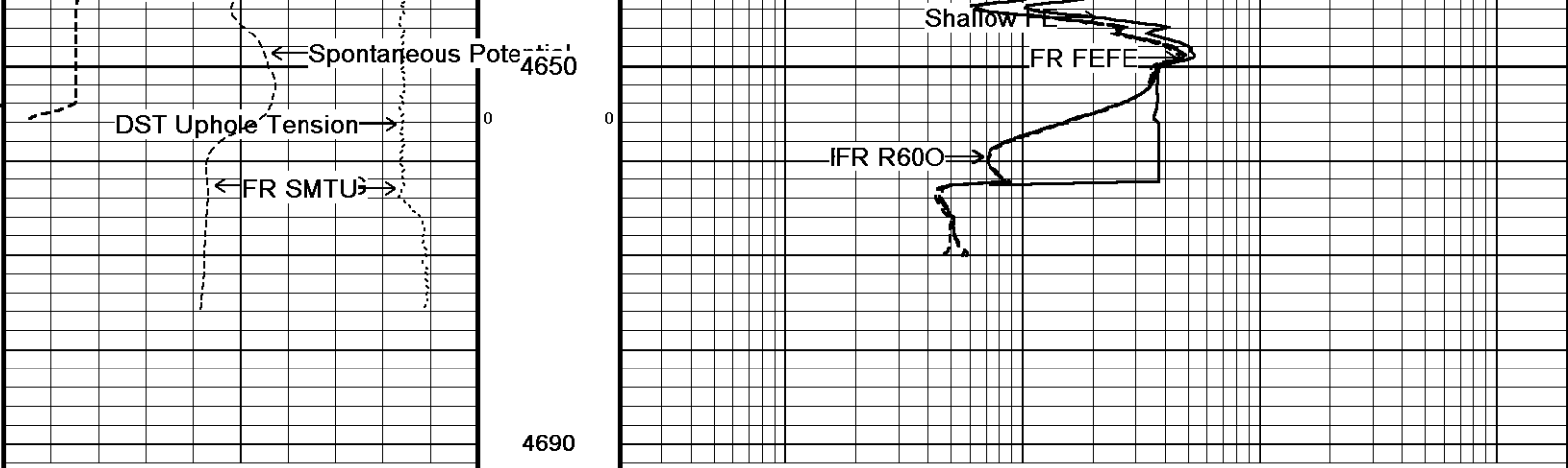
118°

4550

118°

4600





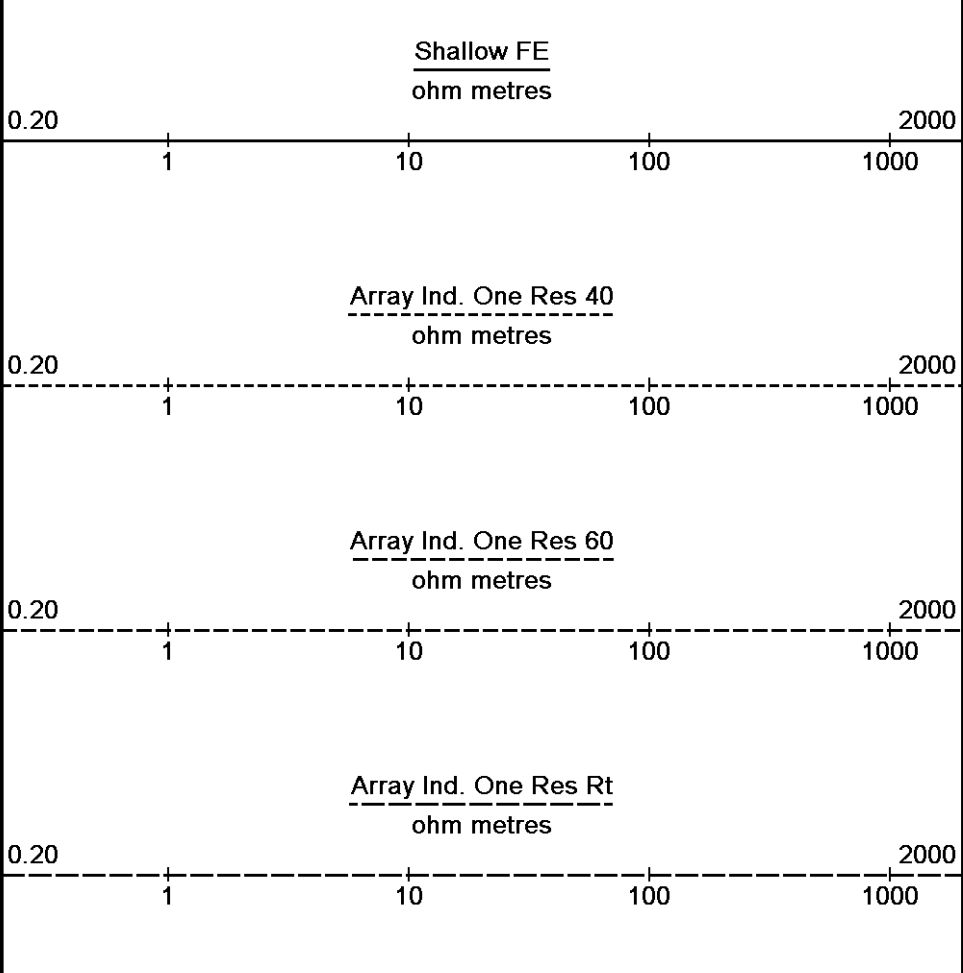
4690  
Depth  
in  
Feet

Borehole  
Temp in  
deg F

HVI  
every  
10 cu ft

Annular  
Integral  
every  
10 cu ft

Replay  
Scale  
1:240



Depth Based Data - Maximum Sampling Increment 10.0cm  
 Filename: C:\Minimus 13.02.6600\Data\Grand Mesa P-D #1-27\Grand Mesa P-D #1-27\_001.dta  
 System Versions: Logged with 13.02.6600 Plotted with 13.02.6600  
 Plotted on 23-SEP-2012 13:48  
 Recorded on 23-SEP-2012 11:22

↑ 5 INCH REPEAT ↑

**BEFORE SURVEY CALIBRATION**  
 C:\Minimus 13.02.6600\Data\Grand Mesa P-D #1-27\Grand Mesa P-D #1-27\_Main.dta

General Constants All 000 Last Edited on 23-SEP-2012,10:02

General Parameters		
Mud Resistivity	1.240	ohm-metres
Mud Resistivity Temperature	94.000	degrees F
Water Level	0.000	feet
Density/Neutron Processing	Wet Hole	

Hole/Annular Volume and Differential Caliper Parameters		
HVOL Method	Single Caliper	
HVOL Caliper 1	Density Caliper	
HVOL Caliper 2	N/A	

TIJOL Caliper 2	N/A	5.500	inches
Annular Volume Diameter			
Caliper for Differential Caliper	Density Caliper		
Rwa Parameters			
Porosity used	Base Density Porosity		
Resistivity used	Array Ind. One Res Rt		
RWA Constant A		0.610	
RWA Constant M		2.150	

Down-hole Tension Calibration SMS 0			Field Calibration on 23-SEP-2012 10:43
Reading No	Measured	Calibrated (lbs)	
1	13629.25	0.00	
2	13666.72	400.00	

Gamma Calibration MCG-C 208			Field Calibration on 23-SEP-2012 00:17
	Measured	Calibrated (API)	
Background	67	46	
Calibrator (Gross)	1106	771	
Calibrator (Net)	1039	725	

Gamma Constants MCG-C 208			Last Edited on 23-SEP-2012,10:02
Gamma Calibrator Number	GR38		
Mud Density	1.09	gm/cc	
Caliper Source for Processing	Density Caliper		
Tool Position	Eccentred		
Concentration of KCl	0.00	kppm	

SP Calibration MCG-C 208			Field Calibration on 03-AUG-2012 22:37
	Measured	Calibrated (mV)	
Reference 1	100.2	101.0	
Reference 2	-101.3	-101.0	

High Resolution Temperature Calibration MCG-C 208			Field Calibration on 03-AUG-2012,16:18
	Measured	Calibrated(Deg F)	
Lower	50.00	50.00	
Upper	75.00	75.00	

High Resolution Temperature Constants MCG-C 208			Last Edited on
Pre-filter Length	11		

Caliper Calibration MML-A 4			Base Calibration on 27-AUG-2012 09:13	Field Calibration on 23-SEP-2012 00:13
Base Calibration				
Reading No	Measured	Calibrator Size (in)		
1	15511	5.98		
2	18793	7.97		
3	22115	9.86		
4	26057	11.92		
5	0	0.00		
6	N/A	N/A		
Field Calibration				
	Measured Caliper (in)	Actual Caliper (in)		
	5.94	5.98		

Micro Normal and Micro Inverse Calibration MML-A 4					Base Calibration on 27-AUG-2012 09:21	Field Check on 23-SEP-2012 00:11
Base Calibration						
Channel	Resistor 1	Resistor 2	Calibrated (ohm-m)	Resistor 1	Resistor 2	
Micro Normal	12.2	60.2	5.0	25.0		
Micro Inverse	15.7	78.5	5.0	25.0		
Channel	Base Check (ohm-m)		Field Check (ohm-m)			
Micro Normal	62.9		62.8			
Micro Inverse	48.2		48.2			

Micro Normal and Micro Inverse Constants MML-A 4					Last Edited on 15-SEP-2012 14:38
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Pad Type	8-12 in Soft Rubber Inflatable 006-9011-159		
Micro Normal K Factor	1.0000		
Micro Inverse K Factor	1.0000		
Standoff Offset	N/A	inches	

## Neutron Calibration MDN-A.B 65

Base Calibration on 28-AUG-2012 10:35  
Field Check on 23-SEP-2012 00:21

## Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	3134	97	3714	110
Ratio	32.240		33.764	

## Field Calibrator at Base

	Calibrated (cps)	
	Near	Far
	1654	2401
Ratio	0.689	

## Field Check

	Calibrated (cps)	
	Near	Far
	1650	2376
Ratio	0.695	

## Neutron Constants MDN-A.B 65

Last Edited on 23-SEP-2012,00:17

Neutron Source Id	PN-521		
Neutron Jig Number	5824NE		
Epithermal Neutron	No		
Caliper Source for Processing	Density Caliper		
Stand-off	0.00	inches	
Mud Density	1.00	gm/cc	
Limestone Sigma	7.10	cu	
Sandstone Sigma	4.26	cu	
Dolomite Sigma	4.70	cu	
Formation Pressure Source	Constant Value		
Formation Pressure	0.00	kpsi	
Temperature Source	Constant Value		
Temperature	68.00	degrees F	
Mud Salinity	0.00	kppm	
Salinity Correction	Not Applied		
Formation Fluid Salinity Source	Constant Value		
Formation Fluid Salinity	0.00	kppm	
Barite Mud Correction	Not Applied		

## FE Calibration MFE-B.J 352

Base Calibration on 27-AUG-2012 14:50  
Field Check on 23-SEP-2012 00:03

## Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	963.9	126.8

Base Check	281.2	
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Field Check	281.5	
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## FE Constants MFE-B.J 352

Last Edited on 23-SEP-2012,05:15

Running Mode	No Sleeve		
MFE K Factor	0.1268		
Caliper Source for FE correction	Density Caliper		
Caliper Value for FE correction	N/A	inches	
Rm Source for FE correction	Temperature Corr		
Temp. for Rm Corr.	MCG External Temperature		
Stand-off	0.5	inches	

## Induction Calibration MAI-A.A 45

Base Calibration on 26-JUL-2012,09:22  
Field Check on 23-SEP-2012 00:02

## Base Calibration

Test Loop Calibration Channel	Measured		Calibrated (mmho/m)	
	Low	High	Low	High
1	14.4	472.6	9.3	966.2
2	5.7	374.0	7.6	821.4
3	3.4	261.2	5.2	566.0

4	2.5	133.9	2.6	279.2
Array Temperature		78.4	Deg F	
Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1	0.0	0.0	19.0	3851.7
2	0.0	0.0	31.8	3629.6
3	0.0	0.0	28.7	3049.8
4	0.0	0.0	18.3	2079.4
Deep	0.0	0.0	16.1	1911.6
Medium	0.0	0.0	42.5	4061.2
Shallow	0.0	0.0	49.7	5483.3
Array Temperature		0.0	70.6	Deg F

Induction Constants MAI-A.A 45		Last Edited on 22-SEP-2012,23:59		
Induction Model	RtAP-WBM			
Caliper for Borehole Corr.	Density Caliper			
Hole Size for Borehole Correction	2.500	inches		
Tool Centred	No			
Stand-off Type	Fins			
Stand-off	0.50	inches		
Number of Fins on Stand-off	8.0000			
Stand-off Fin Angle	45.00	degrees		
Stand-off Fin Width	0.5000	inches		
Borehole Corr. Rm Source	Temperature Corr			
Temp. for Rm Corr.	MCG External Temperature			
Squasher Start	0.0020	mhos/metre		
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	
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-A.A 45		Field Calibration on 26-JUL-2012,09:09	
	Measured	Calibrated(Deg F)	
Lower	50.00	50.00	
Upper	75.00	75.00	

High Resolution Temperature Constants MAI-A.A 45	Last Edited on		
Pre-filter Length	11		

Caliper Calibration MPD-B 31		Base Calibration on 28-AUG-2012 11:03	
		Field Calibration on 23-SEP-2012 00:05	
Base Calibration			
Reading No	Measured	Calibrator Size (in)	
1	18576	3.99	
2	27056	5.98	

3	35613	7.97
4	44032	9.86
5	53360	11.92
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
5.96	5.98

Photo Density Calibration MPD-B 31

Base Calibration on 28-AUG-2012 11:22  
Field Check on 23-SEP-2012 00:10

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	46103	23728	59556	30836
Reference 2	19270	1960	24941	2541

Field Check at Base

688.3	844.7
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Field Check

687.8	848.7
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PE Calibration

Base Calibration	WS	Measured		Calibrated
		WH	Ratio	Ratio
Background	127	604		
Reference 1	18457	45978	0.404	0.371
Reference 2	5504	19174	0.290	0.272

Field Check at Base

127.0	604.2
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Field Check

127.2	602.6
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Density Constants MPD-B 31

Last Edited on 23-SEP-2012,10:02

Density Source Id	254	
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	1.09	gm/cc
Mud Density Z/A Multiplier	1.13	
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 (m)	
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	

DOWNHOLE EQUIPMENT

C:\Minimus 13.02.6600\Data\Grand Mesa P-D #1-27\Grand Mesa P-D #1-27\_Main.dta

3/8" Triple Cone Cable Head (MCB C A)  
MCB-C.A 5 LG: 1.58 ft WT: 15.4 lb OD: 2.24 in

Compact Comms Gamma



42.87 ft GRGC - Gamma Ray

MCG-C 208 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

Compact Micro-log  
MML-A 4 LG: 7.97 ft WT: 81.6 lb OD: 2.24 in

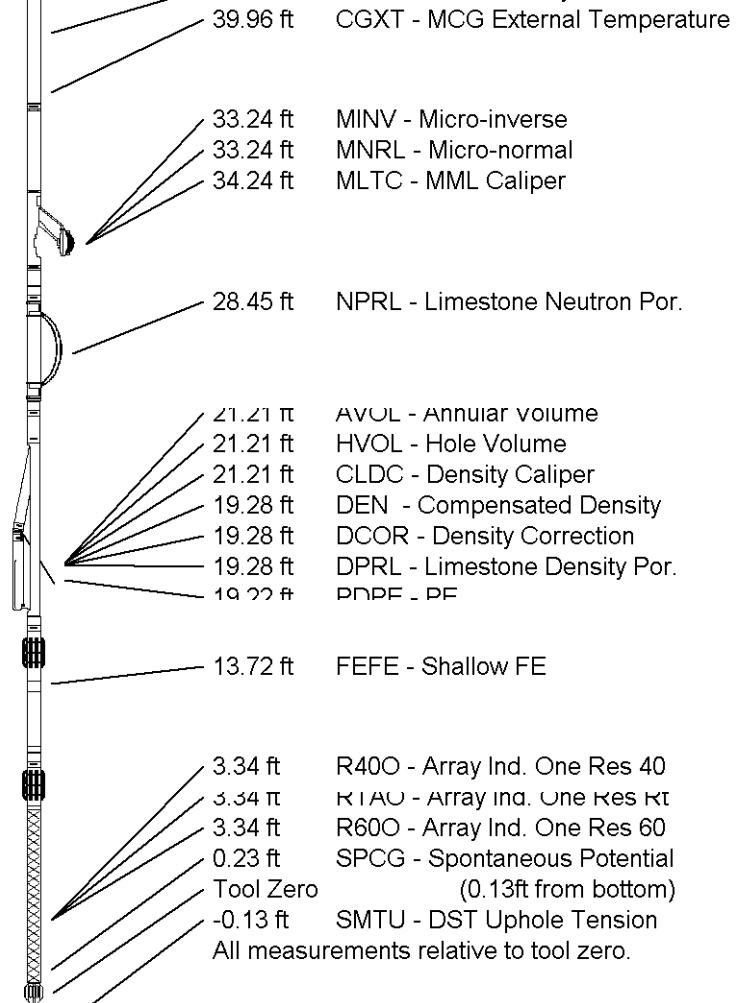
Compact Neutron  
MDN-A.B 65 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

Compact Density/Caliper  
MPD-B 31 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

Compact Focused Electric  
MFE-B.J 352 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

Compact Induction  
MAI-A.A 45 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Total Length: 49.73 ft Weight: 399.0 lb



**COMPANY** GRAND MESA OPERATING  
**WELL** P-D #1-27  
**FIELD** WILDCAT  
**PROVINCE/COUNTY** GOVE  
**COUNTRY/STATE** U.S.A. / KANSAS

Elevation Kelly Bushing	2875.00	feet	First Reading	4660.00	feet
Elevation Drill Floor	2873.00	feet	Depth Driller	4662.00	feet
Elevation Ground Level	2870.00	feet	Depth Logger	4663.00	feet



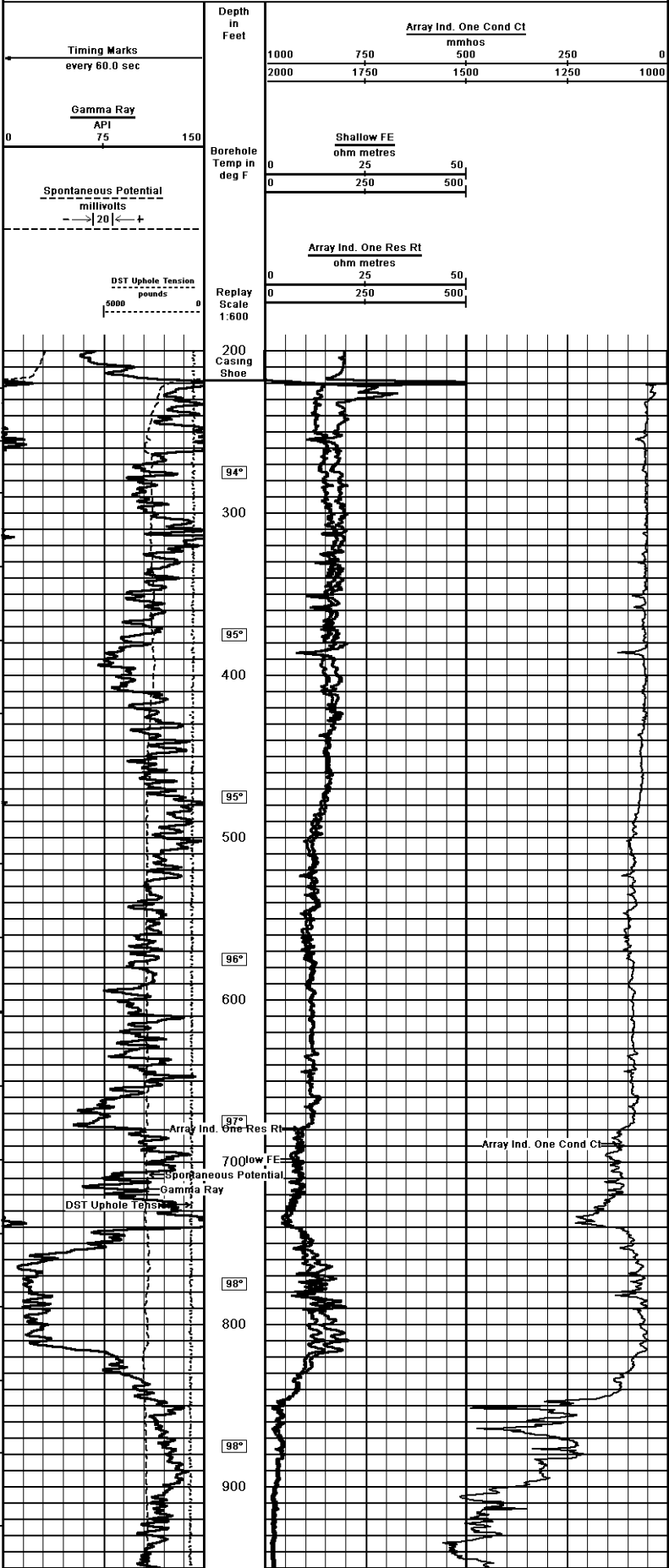
**Weatherford®**

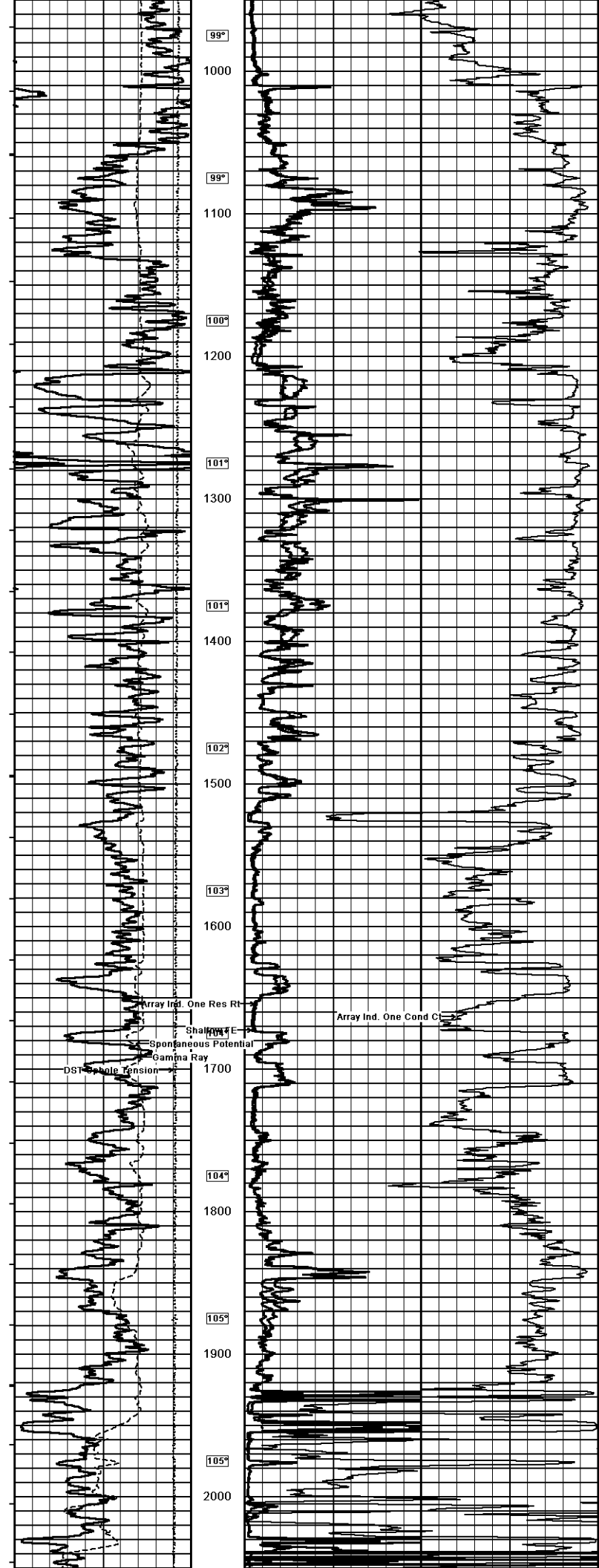
**ARRAY INDUCTION  
SHALLOW FOCUSED  
ELECTRIC LOG**

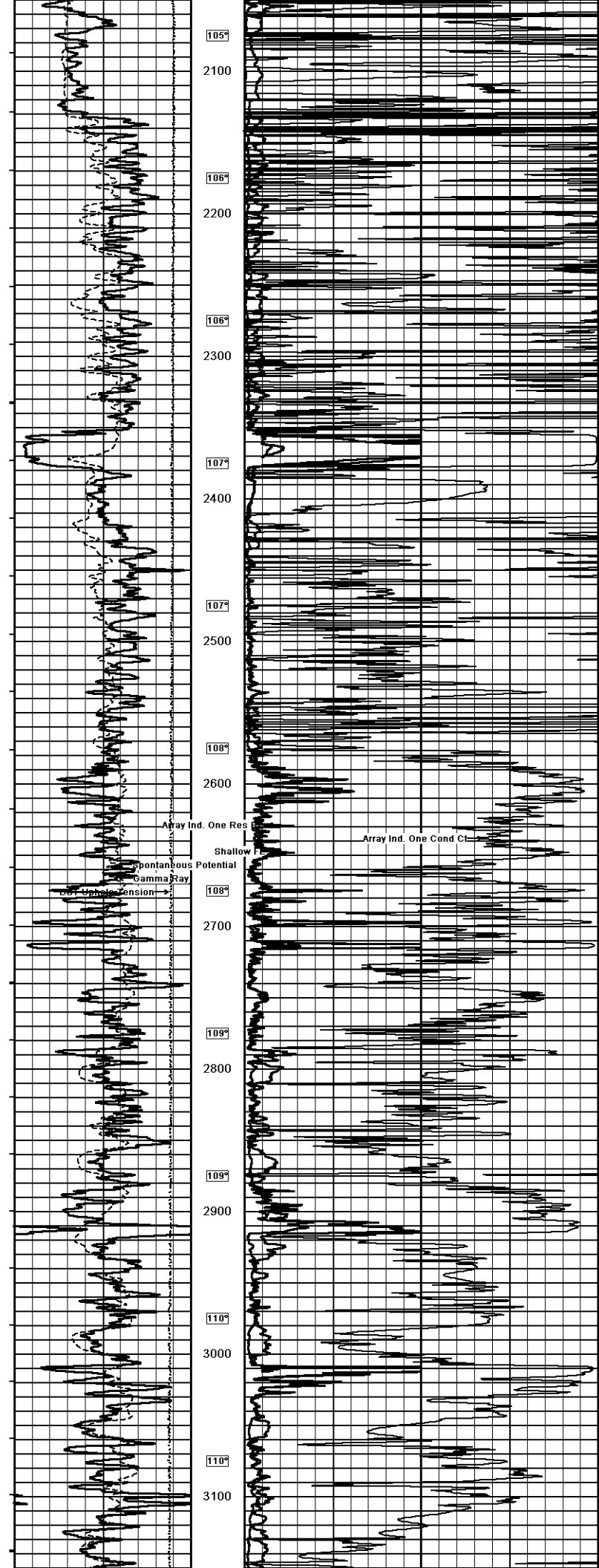
<b>Weatherford</b>		<b>ARRAY INDU SHALLOW FOC ELECTRIC</b>	
COMPANY: GRAND MESA OPERATING		WELL: P-D #1-27	
FIELD: WILDCAT		PROVINCE/COUNTY: GOVE	
COUNTRY/STATE: U.S.A. / KANSAS		LOCATION: 674' FNL & 198' FEL	
SEC: 27		TWP: 13S	
RANGE: 13W		OTHER SERVICES: MWD/IMON/	
LOG NUMBER: 15408322029		MML	
Permit Number: 15408322029			
Log Measured From: KB @ 5 FEET			
Drilling Measured From: K-B @ 5 FEET			
Date:	23-SEP-2012	Run Number:	ONE
Depth Driller:	4662.00	feet	
Depth Logger:	4663.00	feet	
First Reading:	4660.00	feet	
Last Reading:	218.00	feet	
Casing Outer:	218.00	feet	
Casing Logger:	218.00	feet	
BH Size:	7.875	inches	
Hole Fluid Type:	CHEMICAL		
Density/Viscosity:	9.10	lb/USG	67.00 CP
PH/Fluid Loss:	10.50		7.20 ml/30min
Sample Source:	FLOWLINE		
Rim @ Measured Temp:	1.24 @ 94.0	ohm-m	
Front @ Measured Temp:	0.99 @ 94.0	ohm-m	
Rim @ Measured Temp:	1.49 @ 94.0	ohm-m	
Source Rmt/Rim:	CALC		CALC
Rim @ BHT:	0.97 @ 210.0	ohm-m	
Time Since Circulation:	3 HOURS		
Max Recorded Temp:	120.00	deg F	
Equipment Name:	COMPACT		
Equipment Base:	13067	LIB	
Recorded by:	RHOFFMAN		
Witnessed by:	BOB SHREIBER		
U.O.#/JOB#	3538924		
LIB#	29		

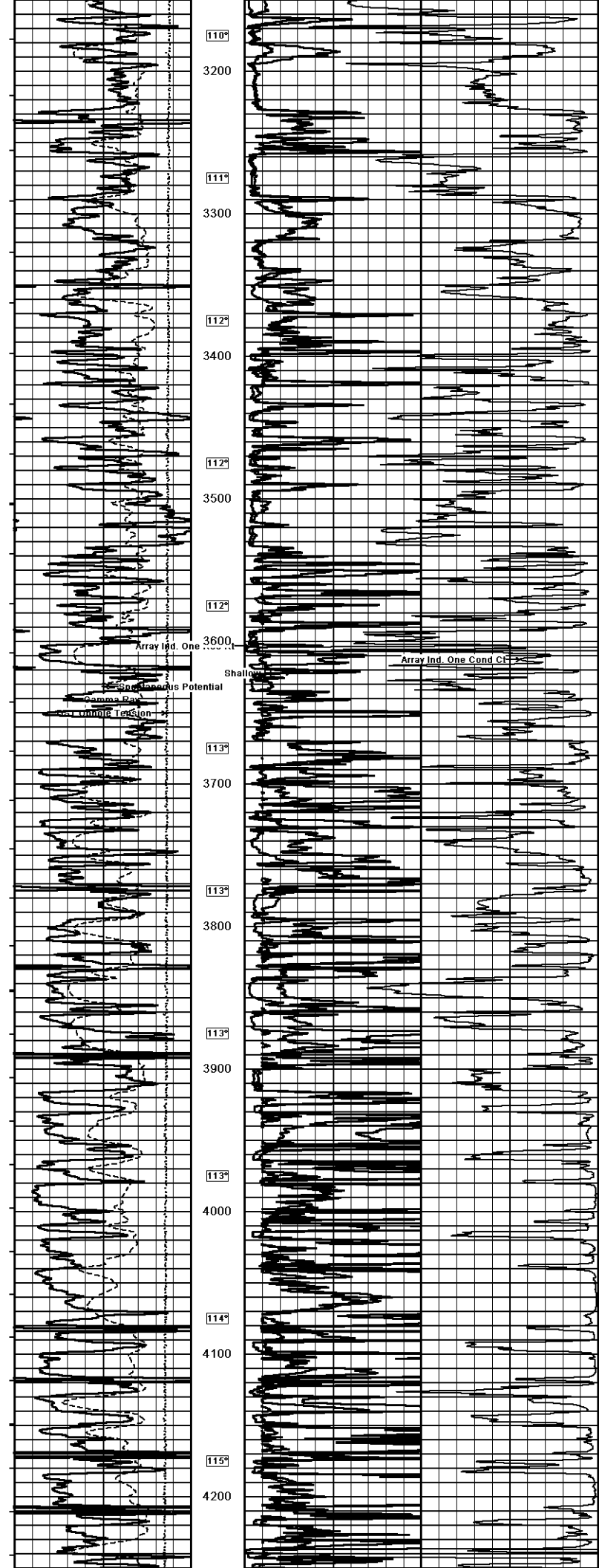
**1 INCH MAIN**

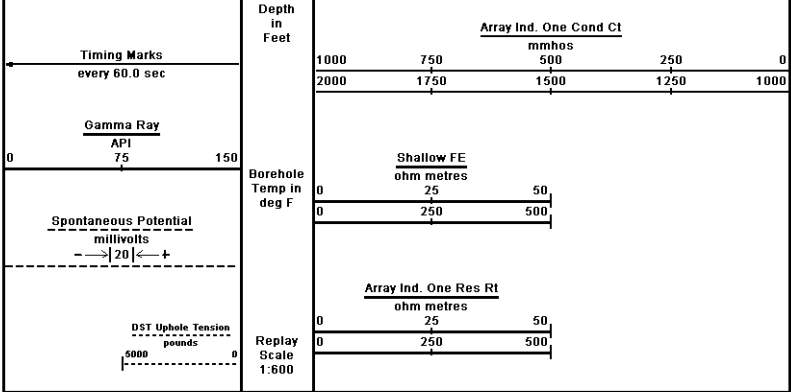
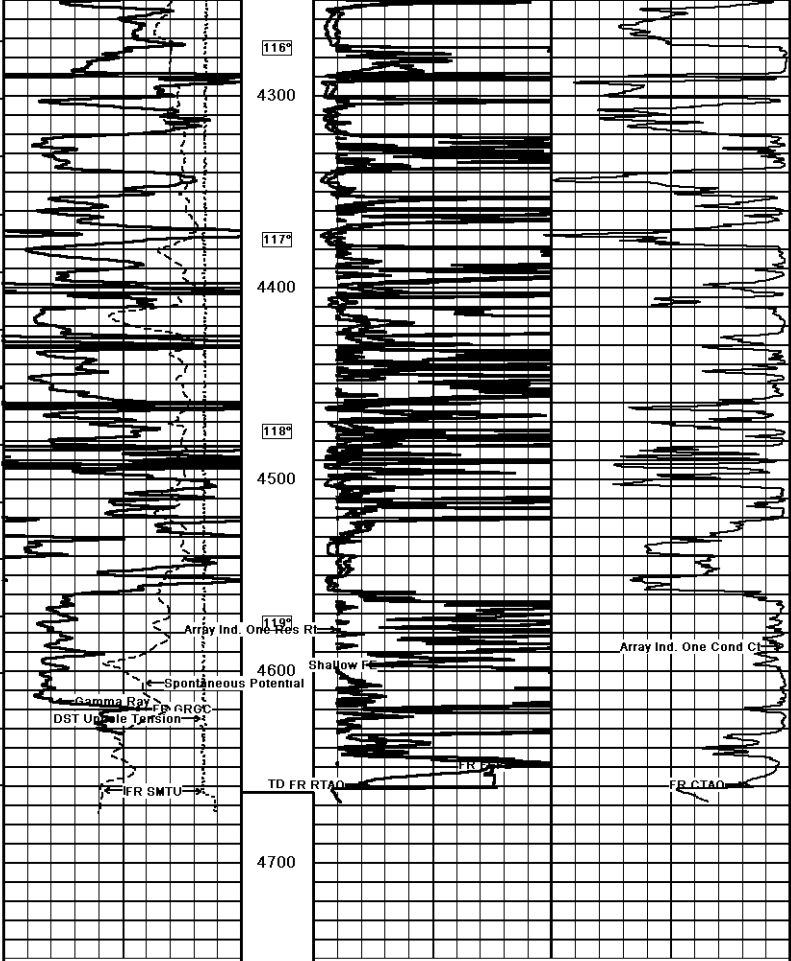
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 Plotted on 23-SEP-2012 13:48  
 Filename: C:\Minimus 13.02.6600\Data\Grand Mesa P-D #1-27\Grand Mesa P-D #1-27\_Main.dta  
 Recorded on 23-SEP-2012 11:46  
 System Versions: Logged with 13.02.6600 Plotted with 13.02.6600












Depth Based Data - Maximum Sampling Increment 10.0cm  
 Plotted on 23-SEP-2012 13:48  
 Filename: C:\Minimus 13.02.6600\Data\Grand Mesa P-D #1-27\Grand Mesa P-D #1-27\_Main.dta  
 Recorded on 23-SEP-2012 11:48  
 System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

1 INCH MAIN

COMPANY	GRAND MESA OPERATING				
WELL	P-D #1-27				
FIELD	WILDCAT				
PROVINCE/COUNTY	GOVE				
COUNTRY/STATE	U.S.A. / KANSAS				
Elevation Kelly Bushing	2875.00	feet	First Reading	4660.00	feet
Elevation Drill Floor	2873.00	feet	Depth Driller	4662.00	feet
Elevation Ground Level	2870.00	feet	Depth Logger	4663.00	feet



ARRAY INDUCTION  
 SHALLOW FOCUSED  
 ELECTRIC LOG