



Weatherford[®]

**ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG**

COMPANY **SHAKESPEARE OIL CO., INC.**
WELL **PARSONS #2-27**
FIELD **WILDCAT**
PROVINCE/COUNTY **GOVE**
COUNTRY/STATE **U.S.A. / KANSAS**
LOCATION **2480' FNL & 1100' FWL**

SEC 27 TWP 13S RGE 31W Other Services MPD/MDN MML
API Number 15-063-22039 MSS
Permit Number

Permanent Datum GL, Elevation 2838 feet
Log Measured From KB Elevations: KB 2848.00
Drilling Measured From KB DF 2846.00
GL 2838.00

Date	28-SEP-2012
Run Number	ONE
Depth Driller	4630.00 feet
Depth Logger	4629.00 feet
First Reading	4626.00 feet
Last Reading	222.00 feet
Casing Driller	225.00 feet
Casing Logger	222.00 feet
Bit Size	7.875 inches
Hole Fluid Type	CHEMICAL
Density / Viscosity	9.40 lb/USg 49.00 CP
PH / Fluid Loss	10.50 6.40 ml/30Min
Sample Source	FLOWLINE
Rm @ Measured Temp	0.74 @ 89.0 ohm-m
Rmf @ Measured Temp	0.59 @ 89.0 ohm-m
Rmc @ Measured Temp	0.89 @ 89.0 ohm-m
Source Rmf / Rmc	CALC CALC
Rm @ BHT	0.56 @ 119.0 ohm-m
Time Since Circulation	4 HOURS
Max Recorded Temp	119.00 deg F
Equipment Name	COMPACT
Equipment / Base	13057 LIB
Recorded By	ADAM SILL
Witnessed By	TIM PRIEST
S.O. # / JOB #	3538930 LB12-262

BOREHOLE RECORD			Last Edited: 28-SEP-2012 19:20	
Bit Size inches	Depth From feet	Depth To feet		
7.875	225.00	4630.00		
CASING RECORD				
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	225.00	24.00

REMARKS

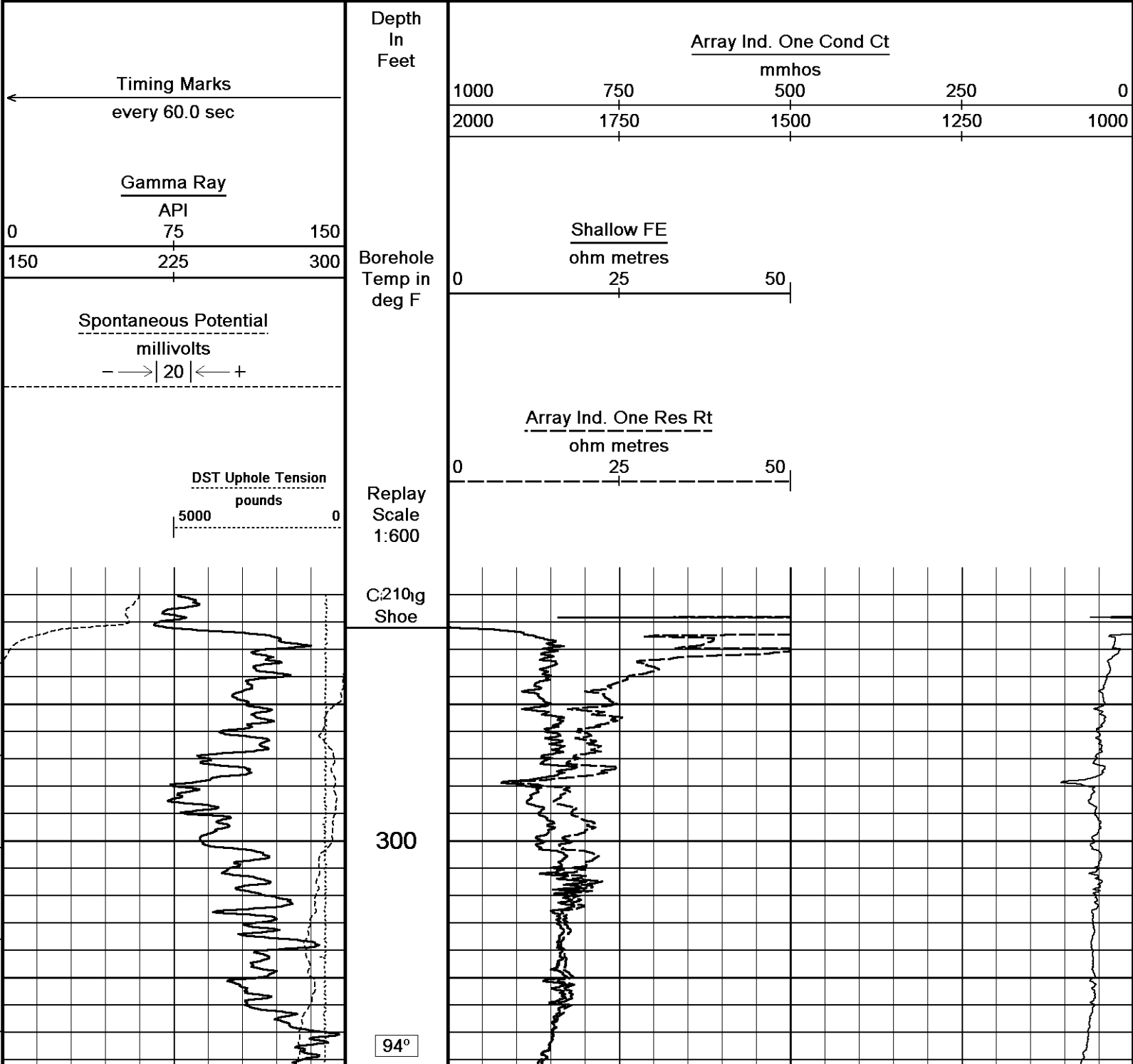
- SOFTWARE ISSUE: WLS 13.02.6600.
- MCG, MML, MDN, MPD, MFE, MSS, MAI RAN IN COMBINATION.
 - HARDWARE: DUAL BOWSPRING USED ON MDN.
 - 0.5 INCH STANDOFF USED ON MFE.
 - TWO 0.5 INCH STANDOFFS USED ON MSS.
 - 0.5 INCH STANDOFF USED ON MAI.
- 2.71 G/CC LIMESTONE DENSITY MATRIX USED TO CALCULATE POROSITY.
- 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: 1968 CU. FT.
- ANNULAR HOLE VOLUME WITH 5.5 INCH PRODUCTION CASING FROM TD TO 3629 FEET: 237 CU. FT.

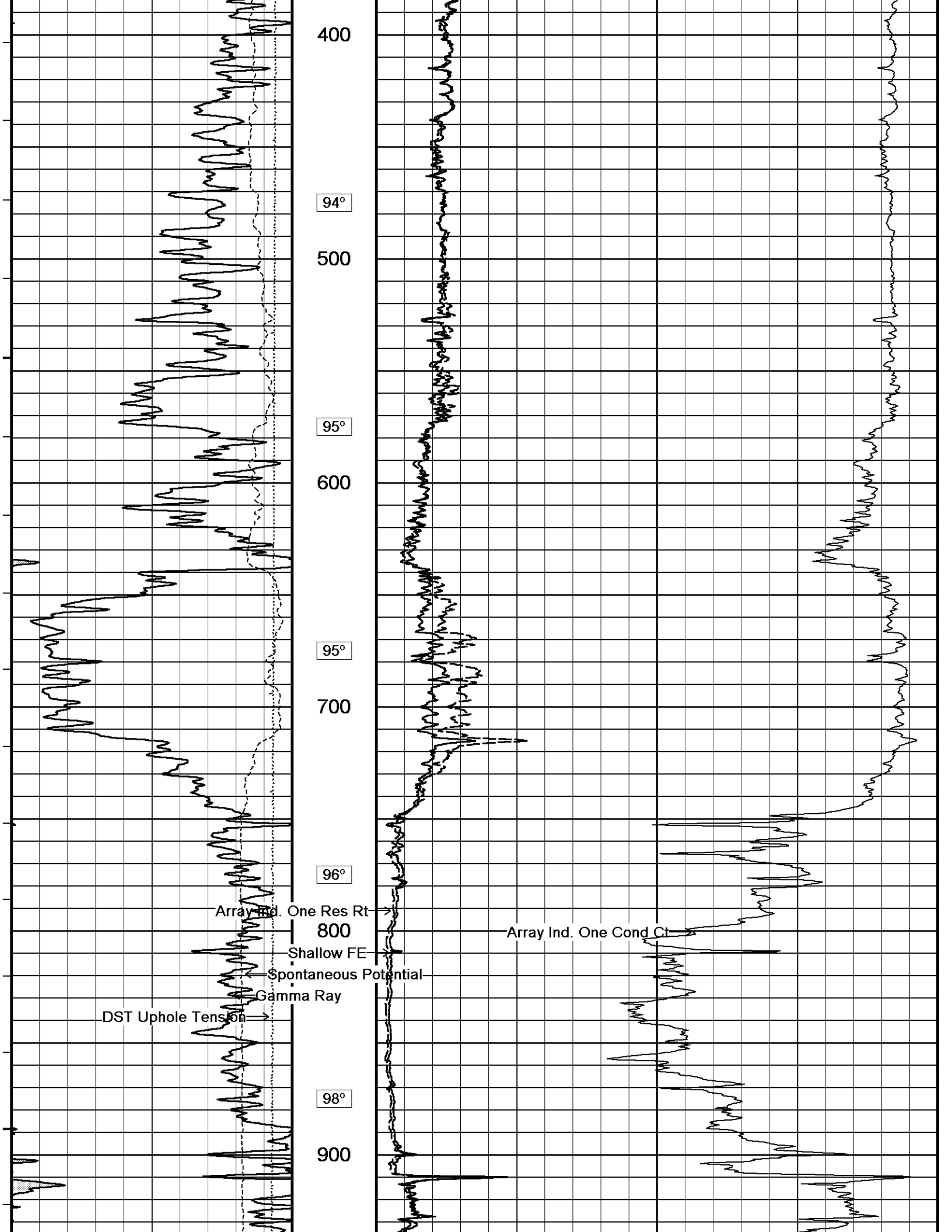
- SERVICE ORDER # 3538930.
 - RIG: H-D DRILLING #2.
 - ENGINEER: A. SILL.
 - OPERATOR(S): M. STEGMAN.

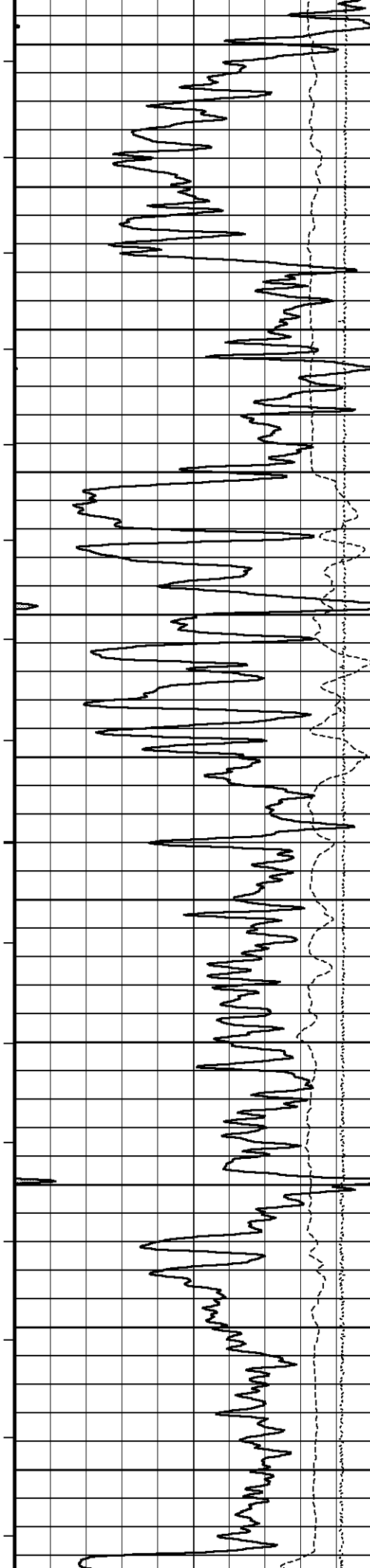
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

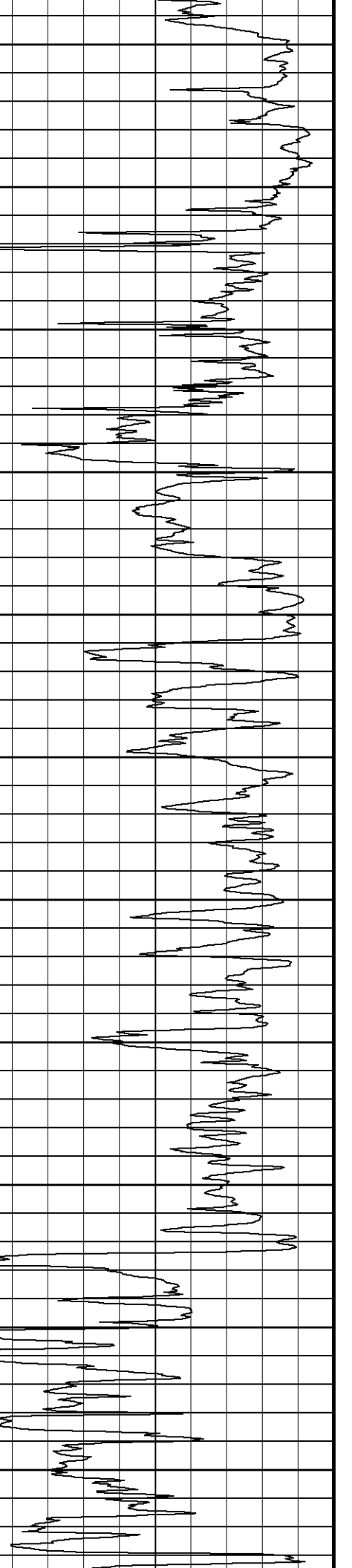
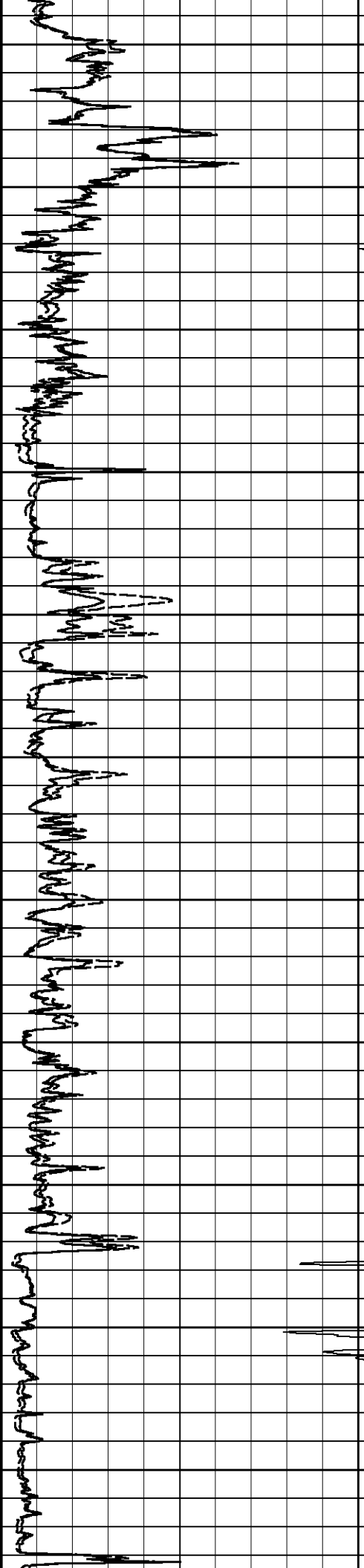
Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 28-SEP-2012 22:33
 Filename: C:\Minimus 13.02.6600\Data\Shakespeare Parsons #...\Shakespeare Parsons #2-27_002.dta Recorded on 28-SEP-2012 20:00
 System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

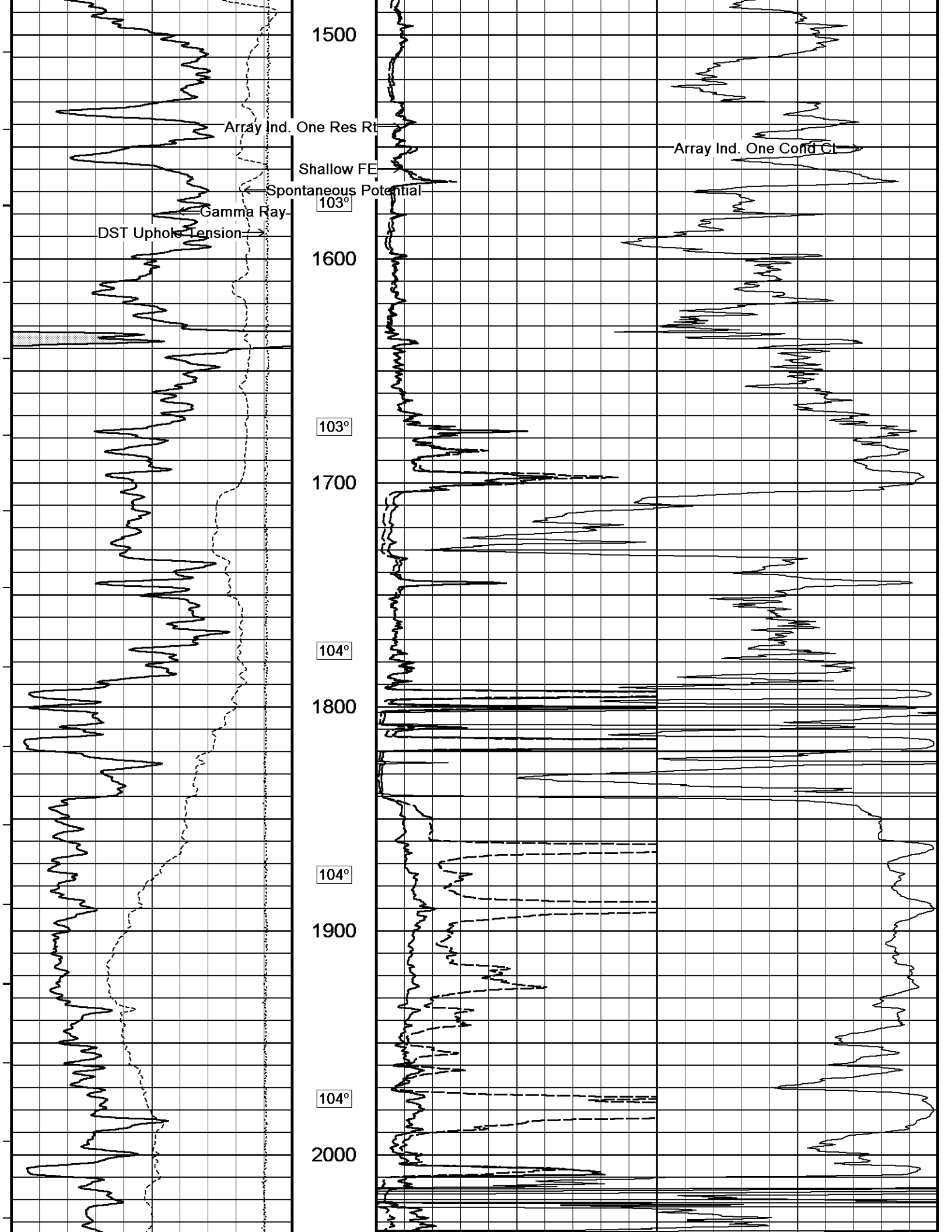






99°
1000
99°
1100
100°
1200
101°
1300
101°
1400
102°





1500

Array Ind. One Res Rt

Shallow FE

Spontaneous Potential

Gamma Ray

DST Uphole Tension

1600

103°

1700

104°

1800

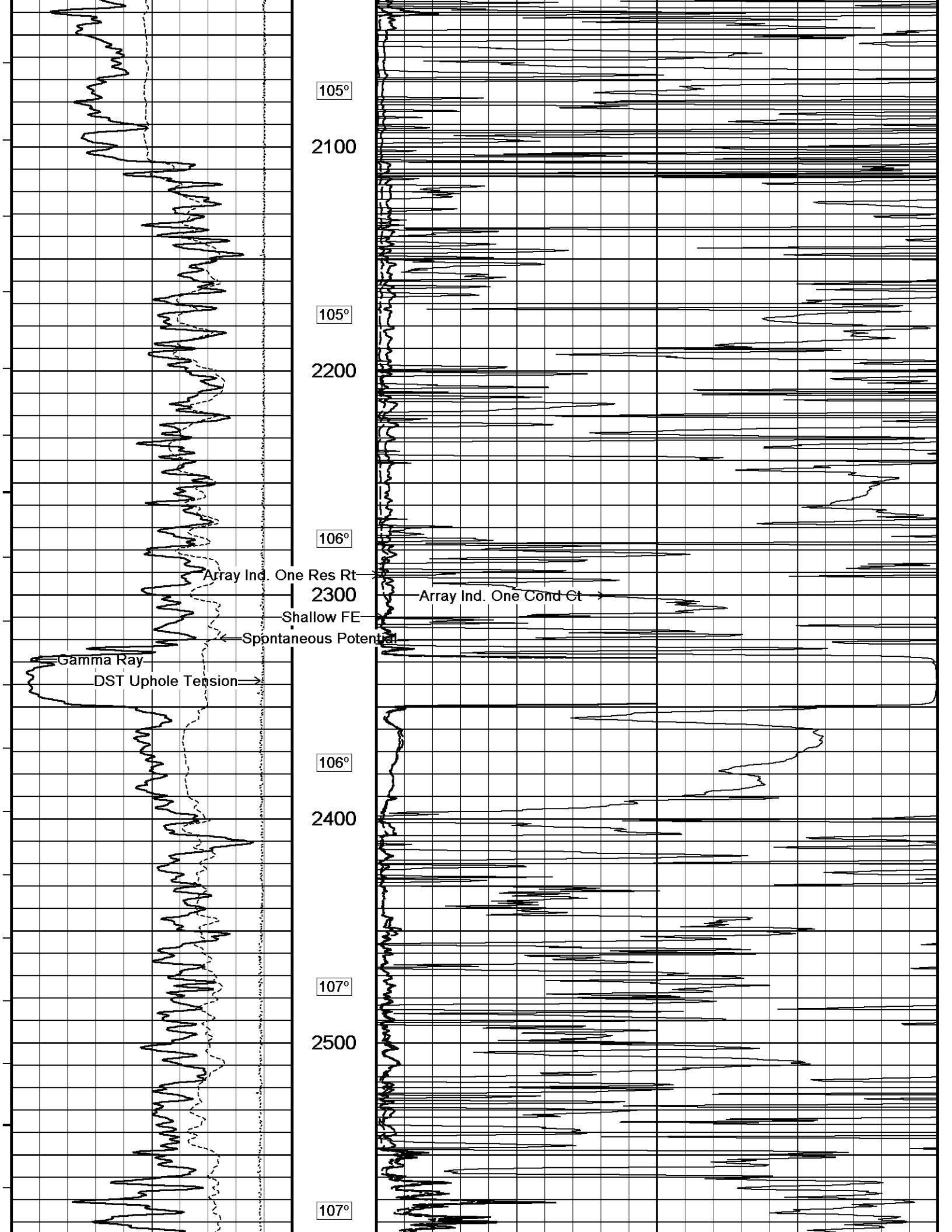
104°

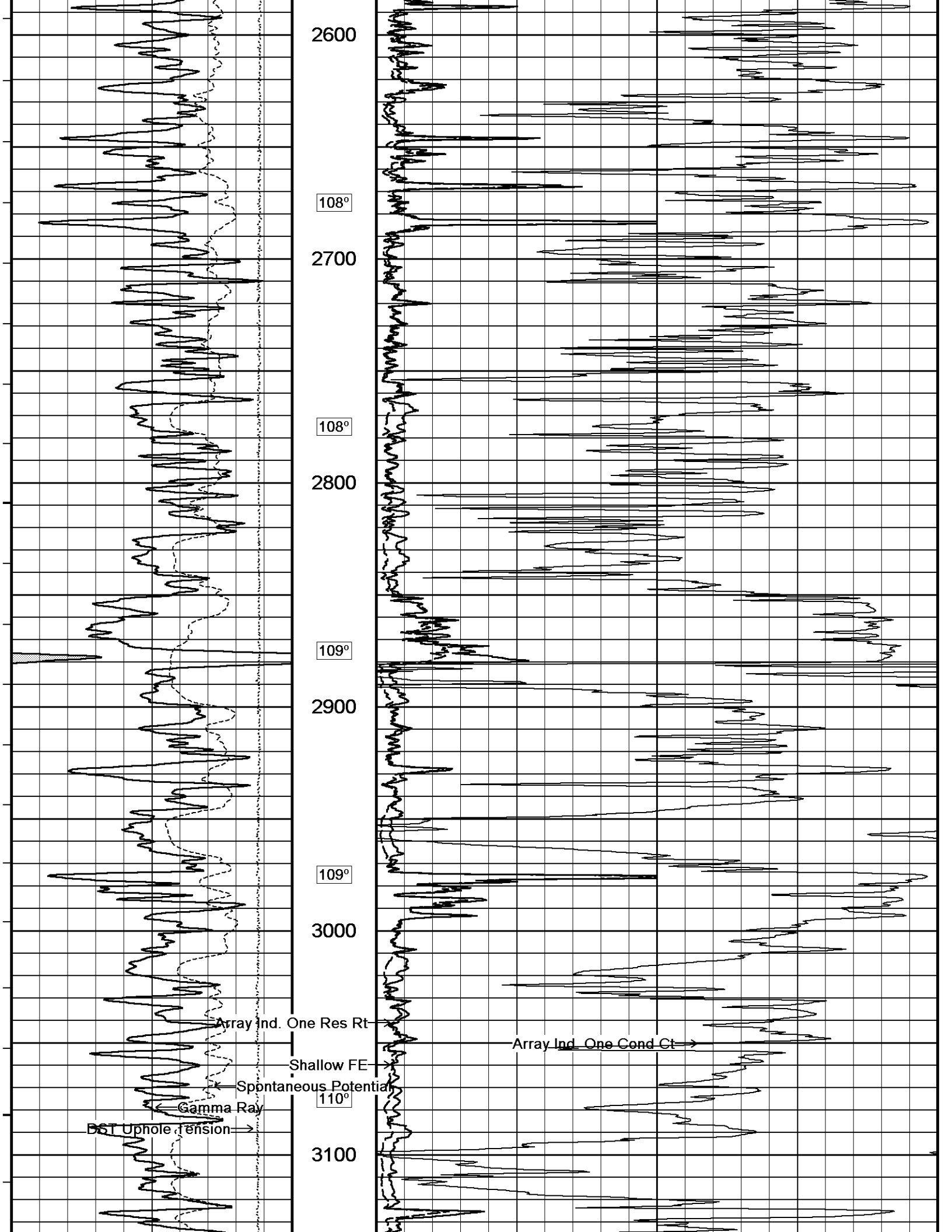
1900

104°

2000

Array Ind. One Cond Ct





2600

108°

2700

108°

2800

109°

2900

109°

3000

Array Ind. One Res Rt

Array Ind. One Cond Ct

Shallow FE

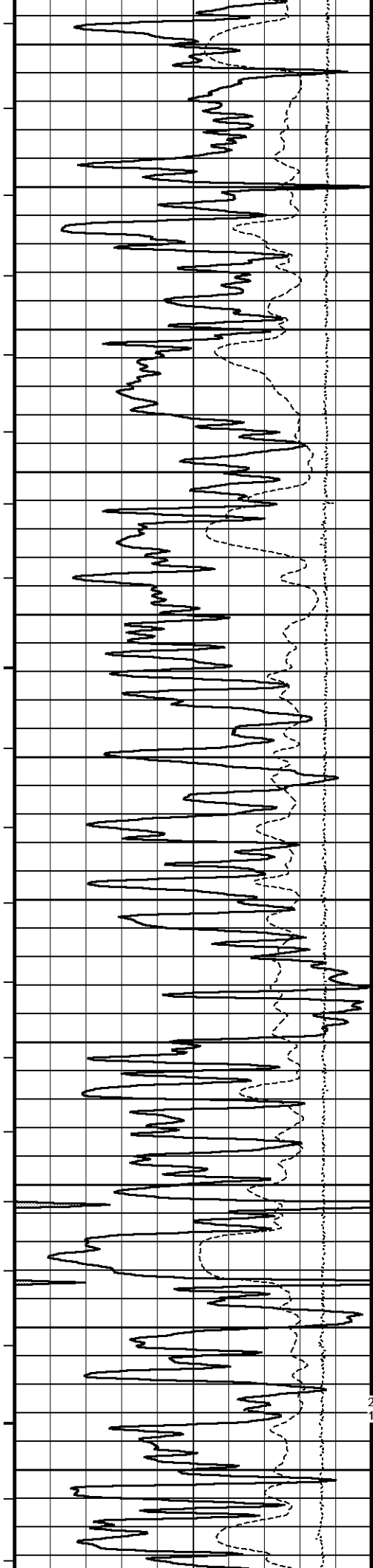
Spontaneous Potential

Gamma Ray

BST Uphole Tension

110°

3100



110°

3200

111°

3300

111°

3400

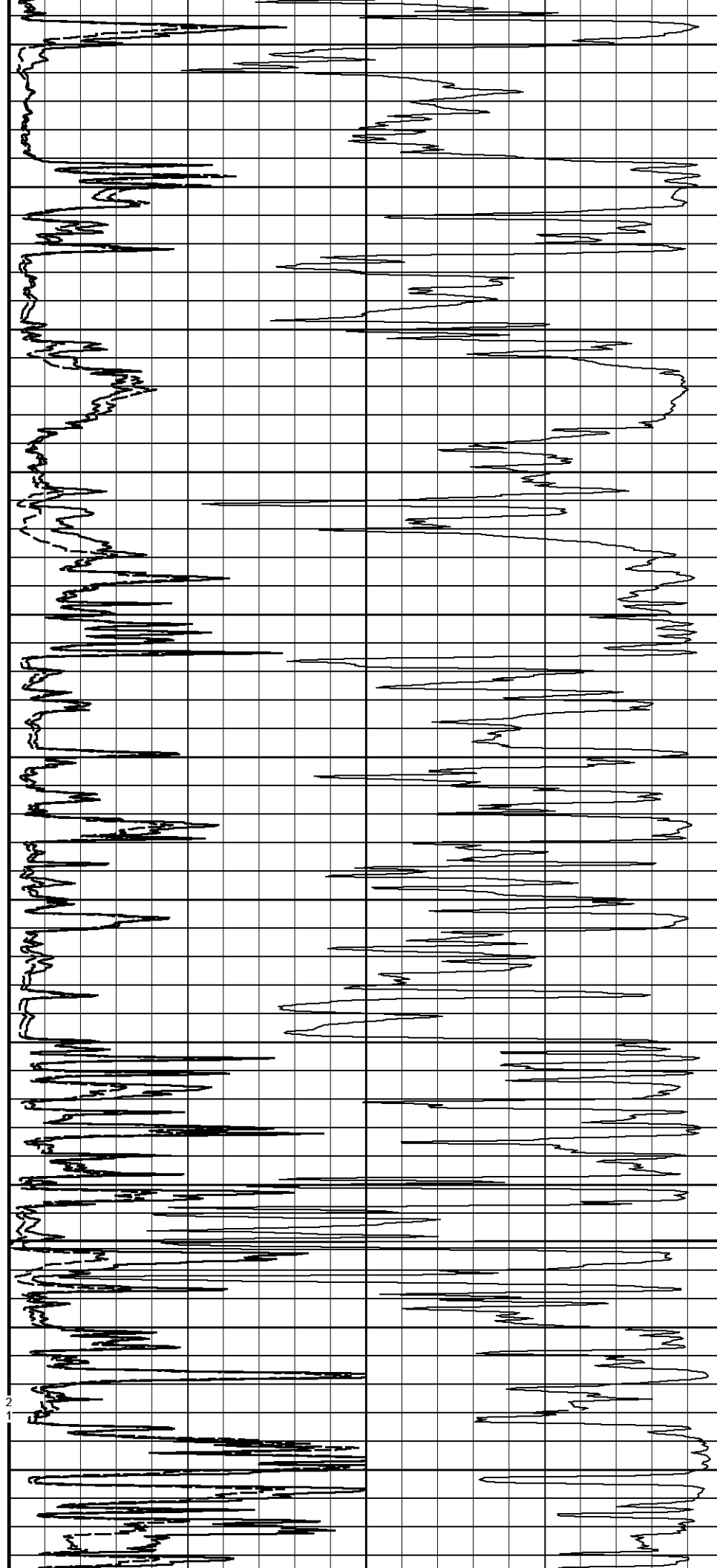
112°

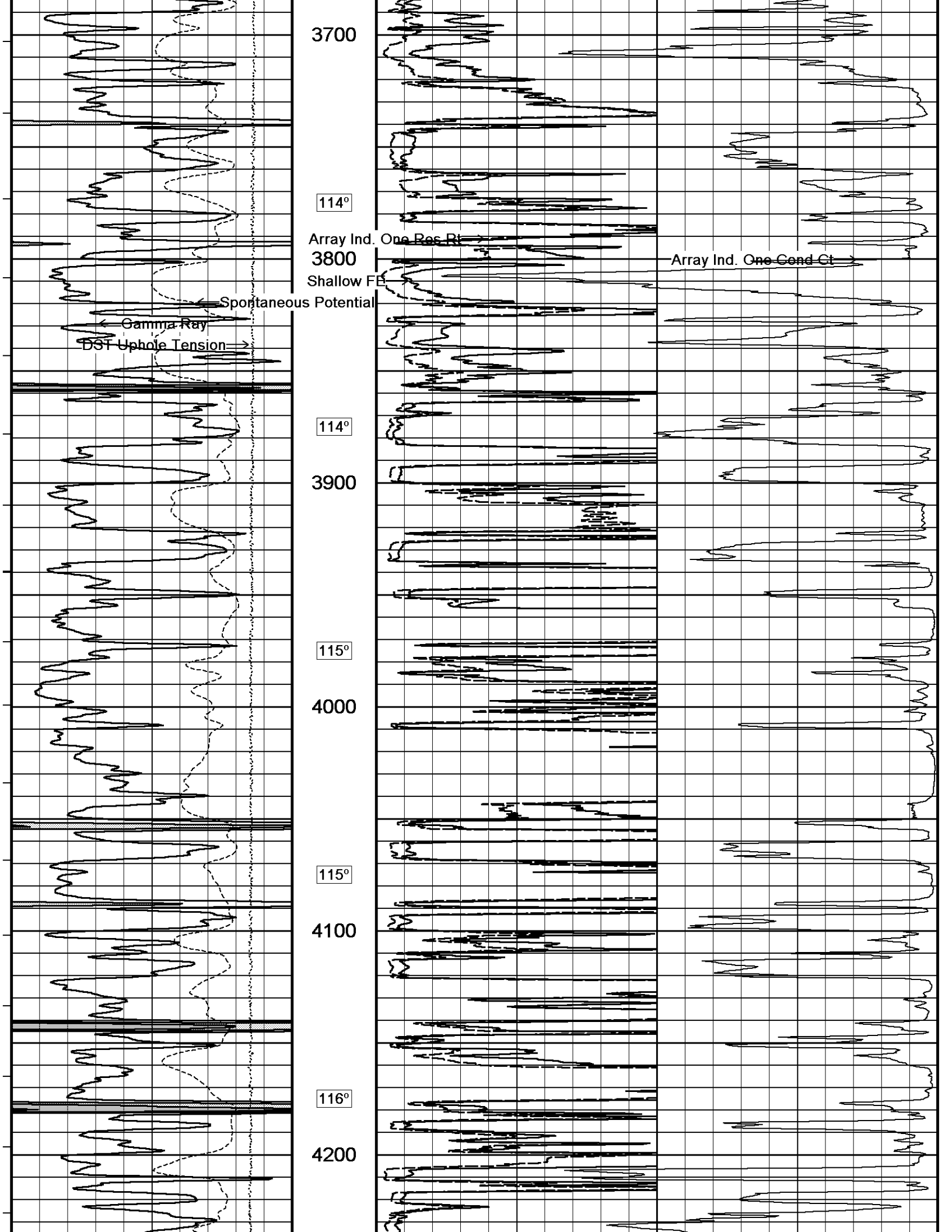
3500

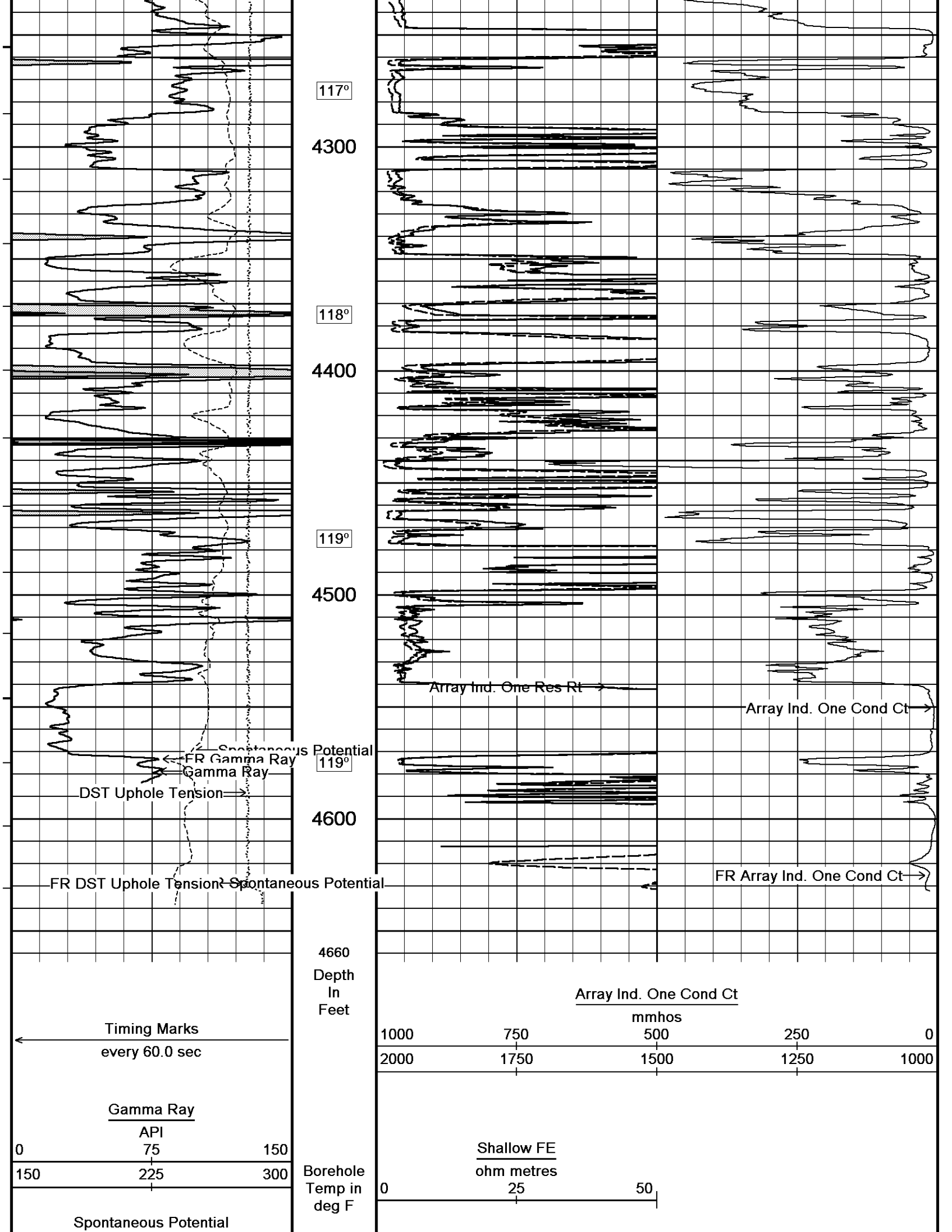
113°

3600

113°







millivolts

- -> | 20 | <- - +

DST Uphole Tension
pounds

5000 0

Replay
Scale
1:600

Array Ind. One Res Rt

ohm metres

0 25 50

Depth Based Data - Maximum Sampling Increment 10.0cm

Plotted on 28-SEP-2012 22:33

Filename: C:\Minimus 13.02.6600\Data\Shakespeare Parsons #...\Shakespeare Parsons #2-27_002.dta

Recorded on 28-SEP-2012 20:00

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 28-SEP-2012 22:33

Filename: C:\Minimus 13.02.6600\Data\Shakespeare Parsons #...\Shakespeare Parsons #2-27_002.dta

Recorded on 28-SEP-2012 20:00

System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

Timing Marks
every 60.0 sec

←

Gamma Ray
API
0 75 150
150 225 300

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

Density Caliper
inches
6 11 16

DST Uphole Tension
pounds
5000 0

Replay
Scale
1:240

208

Casing
Shoe

250

Depth
In
Feet

Borehole
Temp in
deg F

HVI
every
10 cu ft

Annular
Integral
every
10 cu ft

Replay
Scale
1:240

Casing
Shoe

250

Shallow FE
ohm metres

0.20 1 10 100 1000 2000

Array Ind. One Res 40
ohm metres

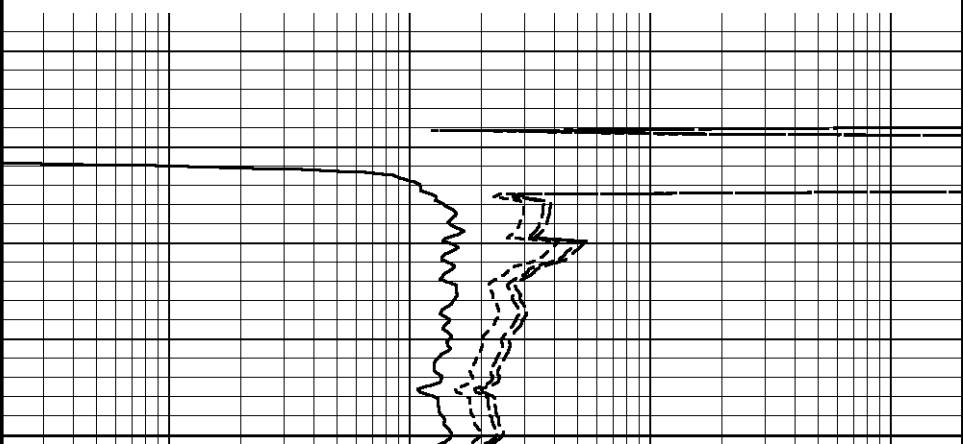
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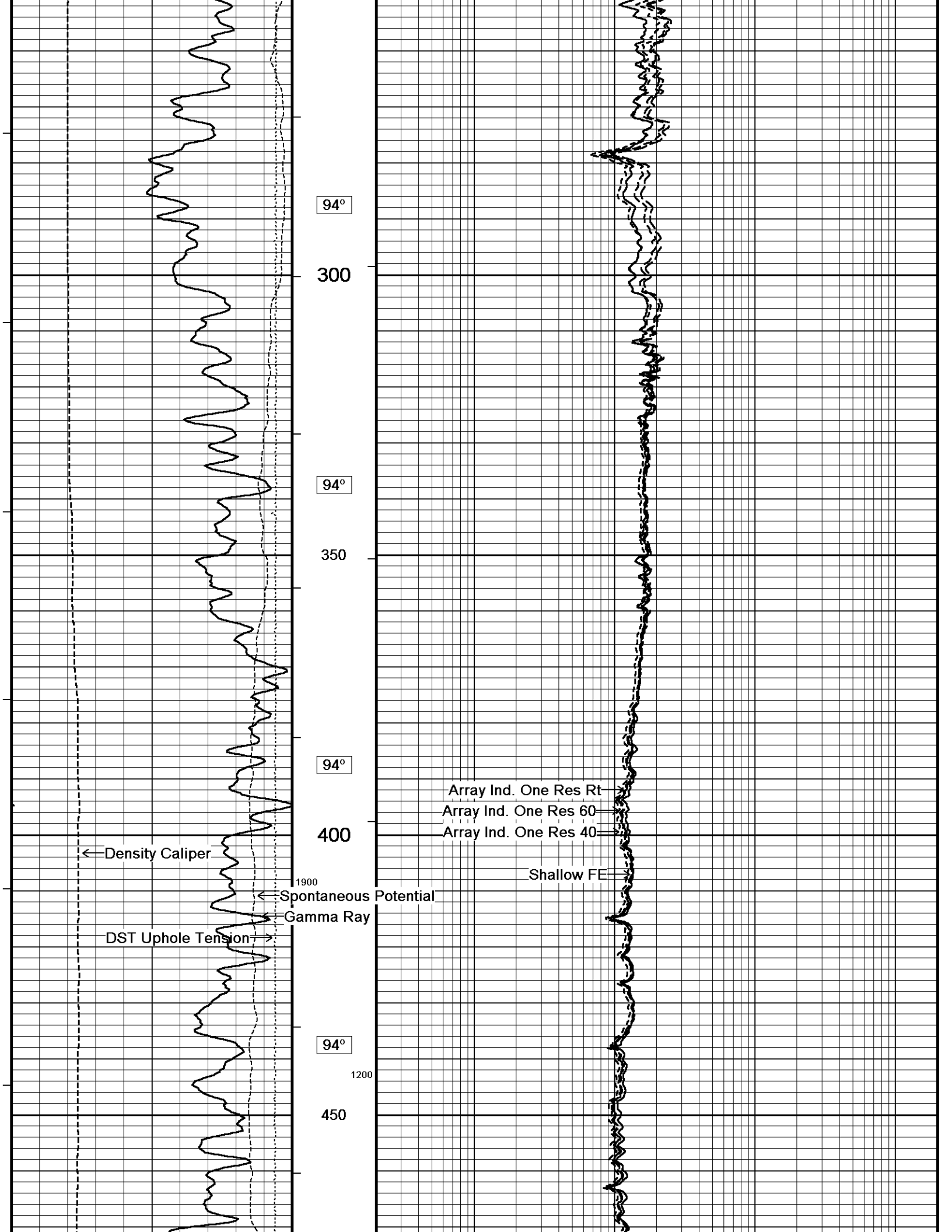
Array Ind. One Res 60
ohm metres

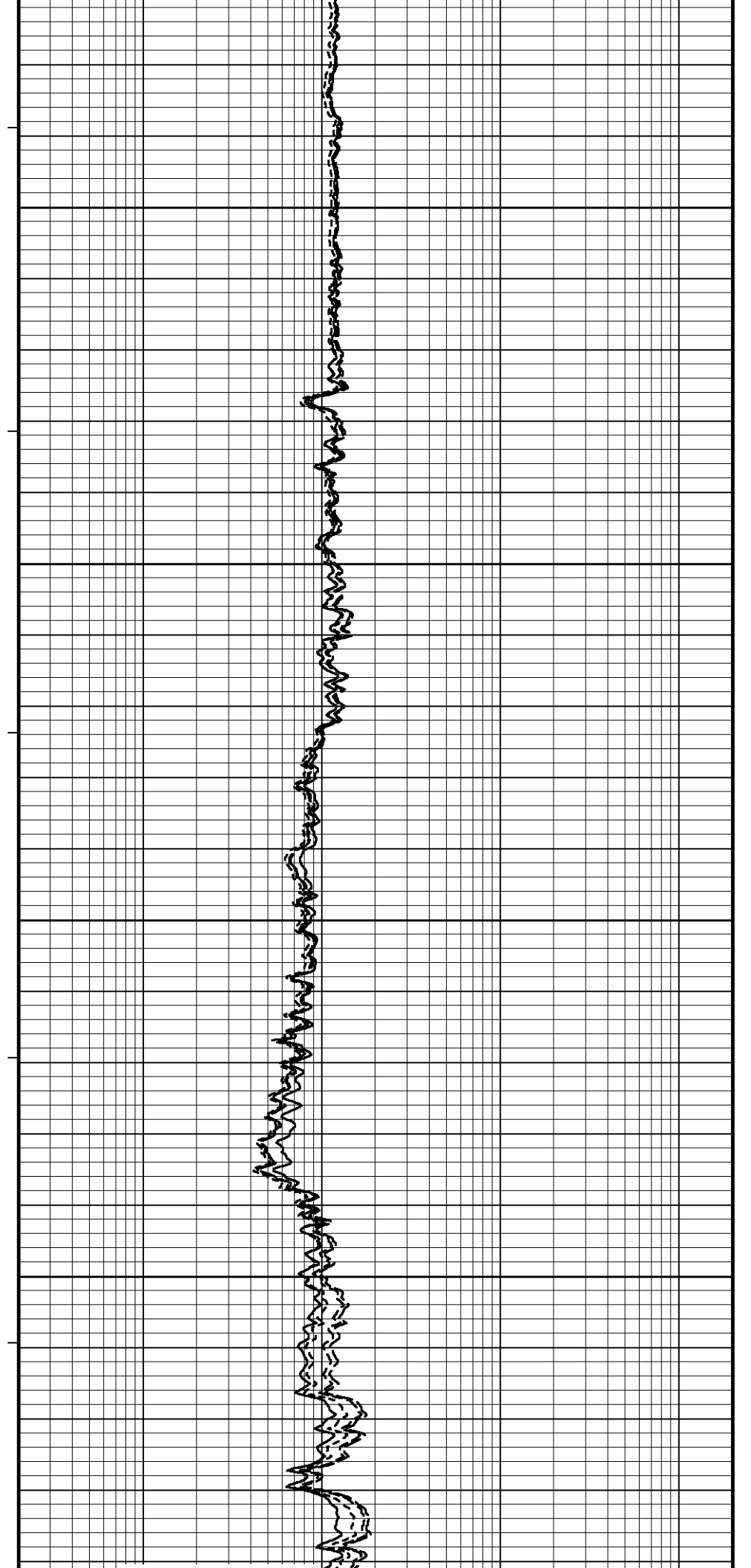
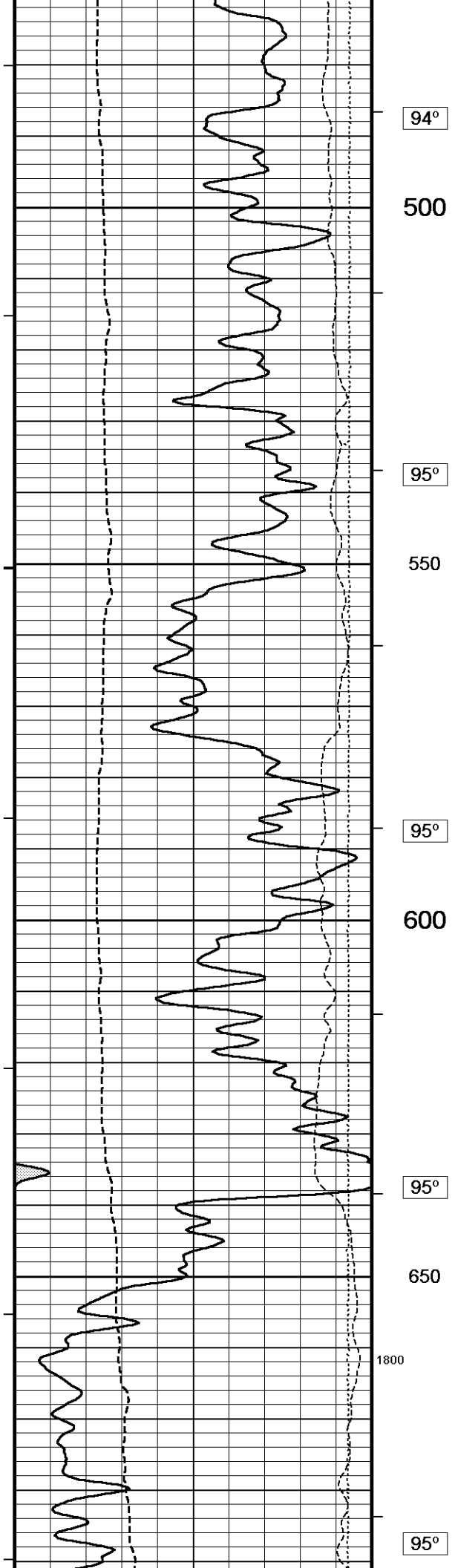
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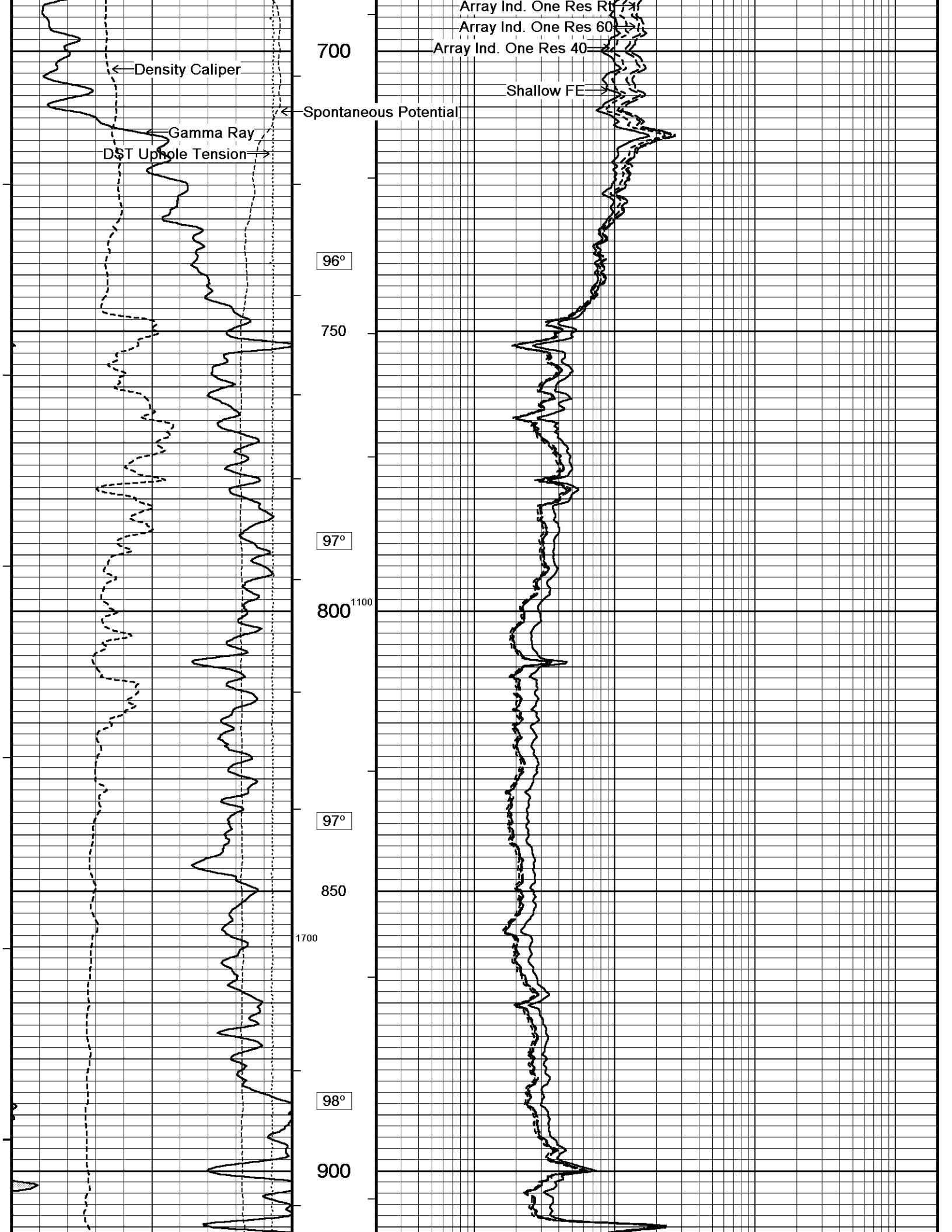
Array Ind. One Res Rt
ohm metres

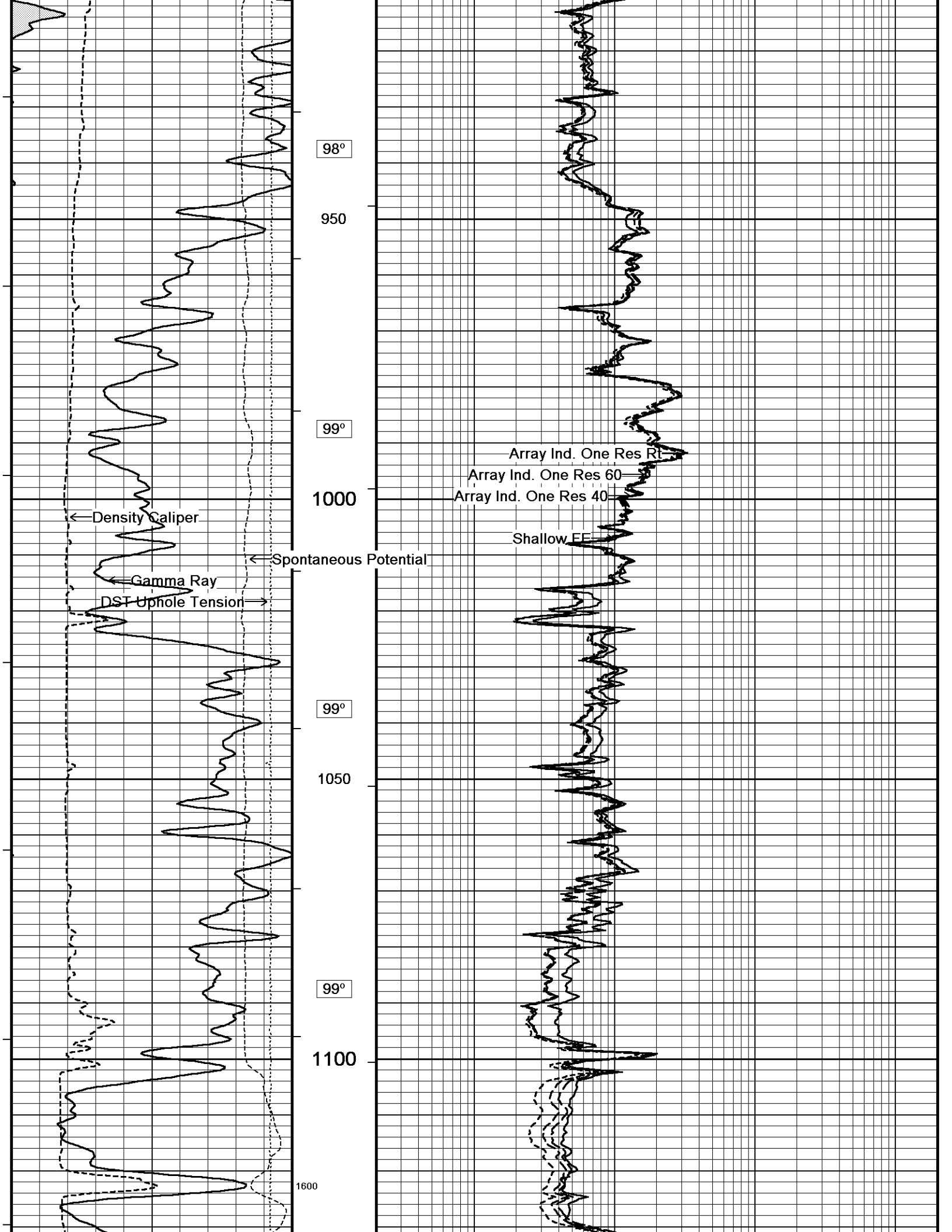
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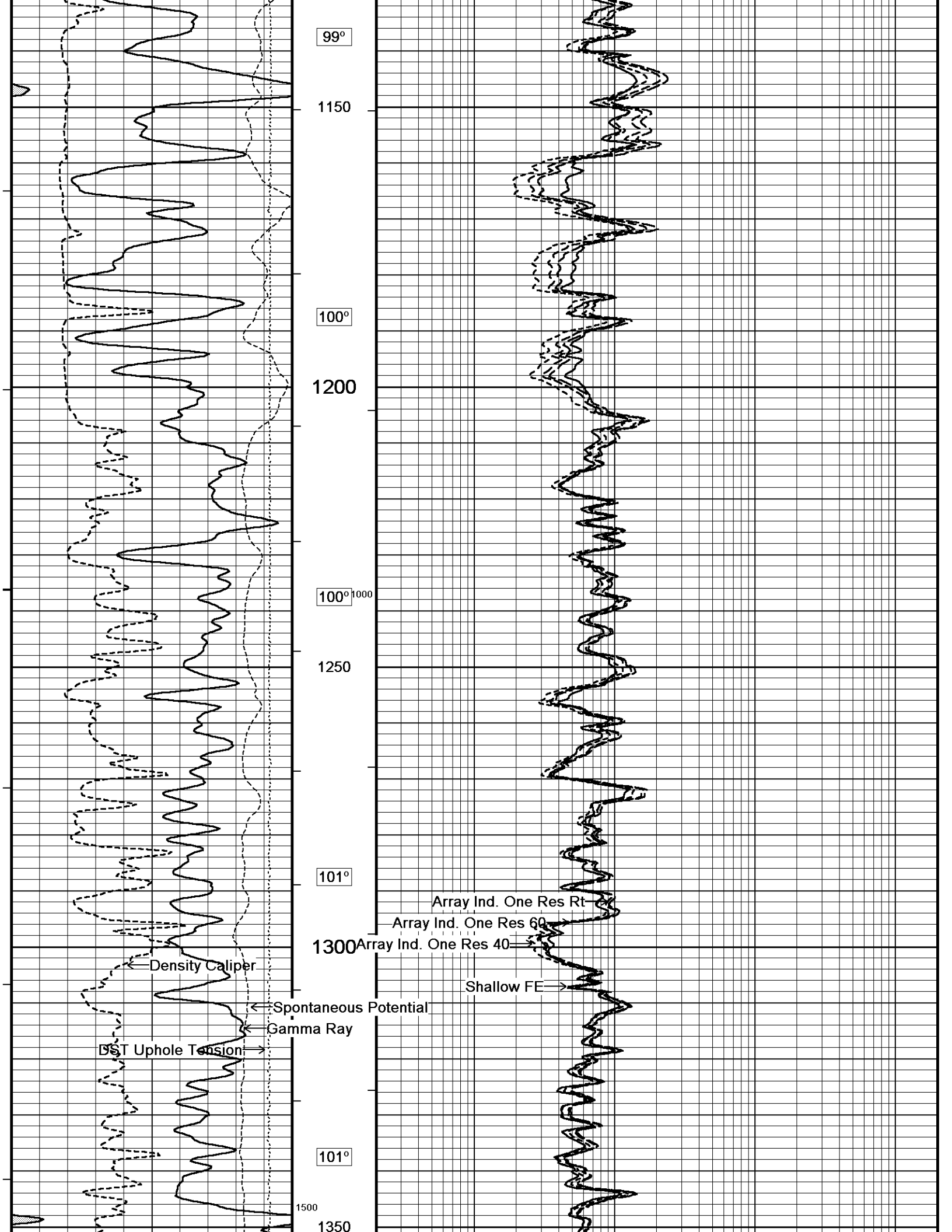


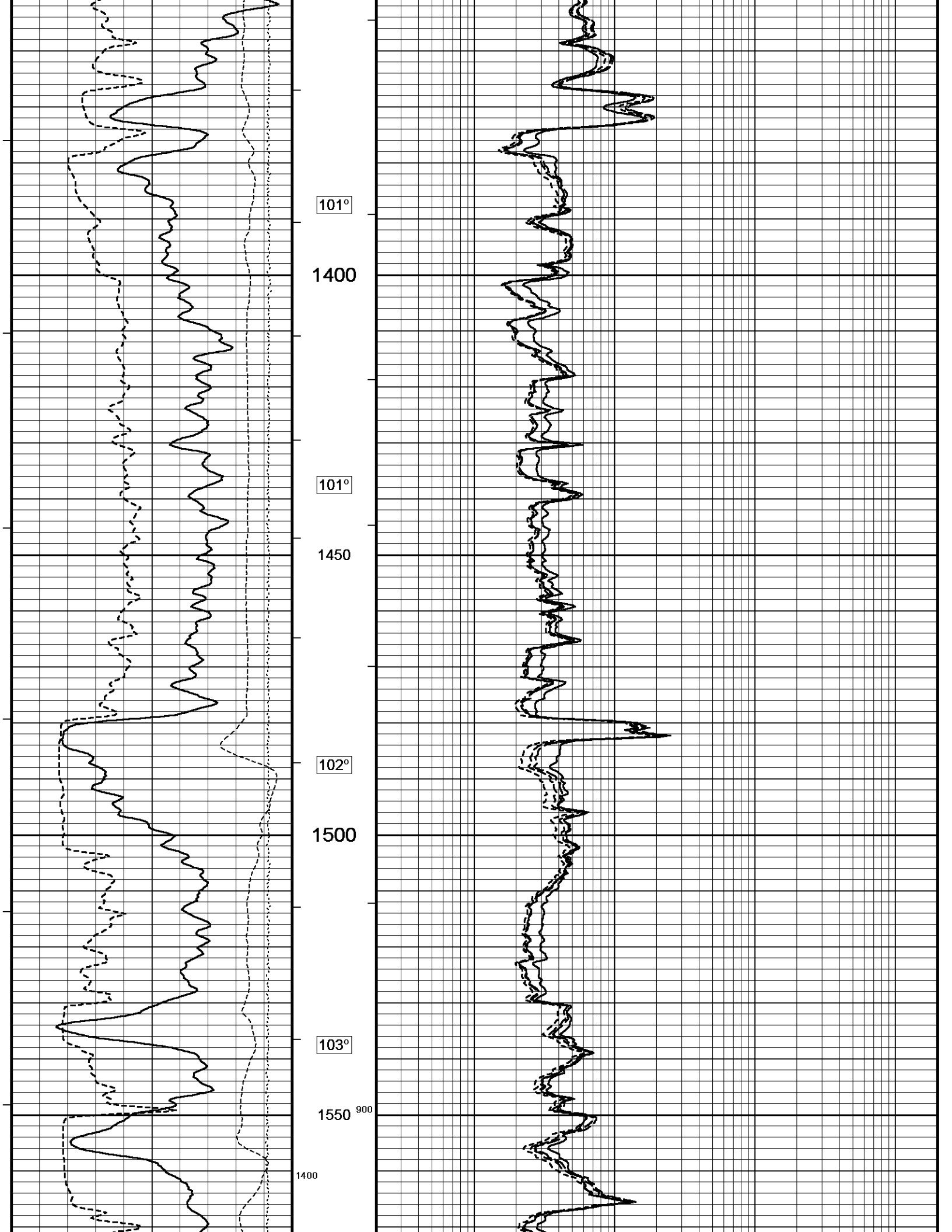


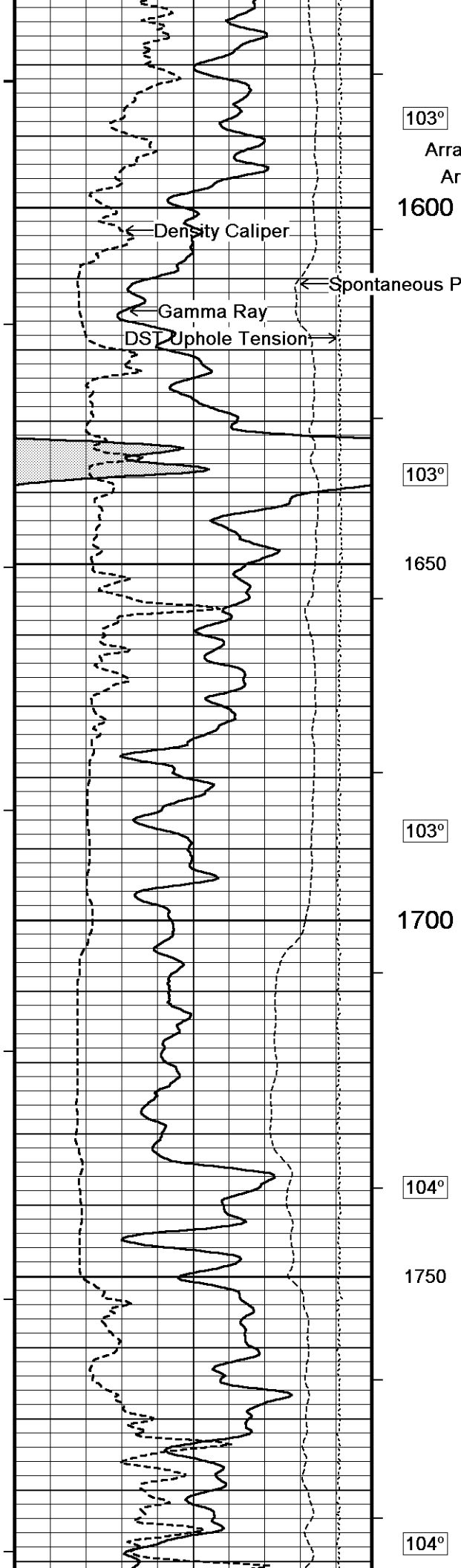












103°

1600

103°

1650

103°

1700

104°

1750

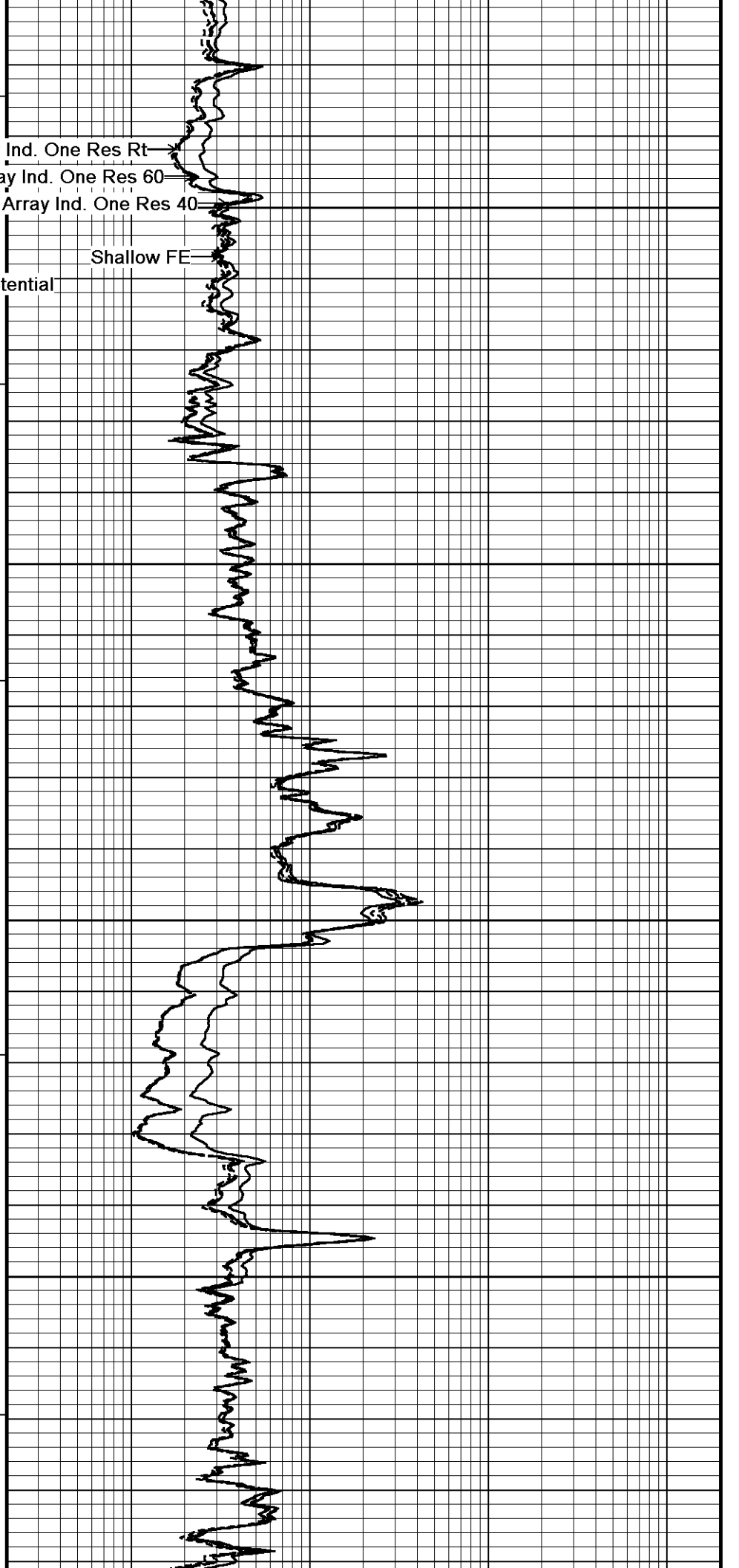
104°

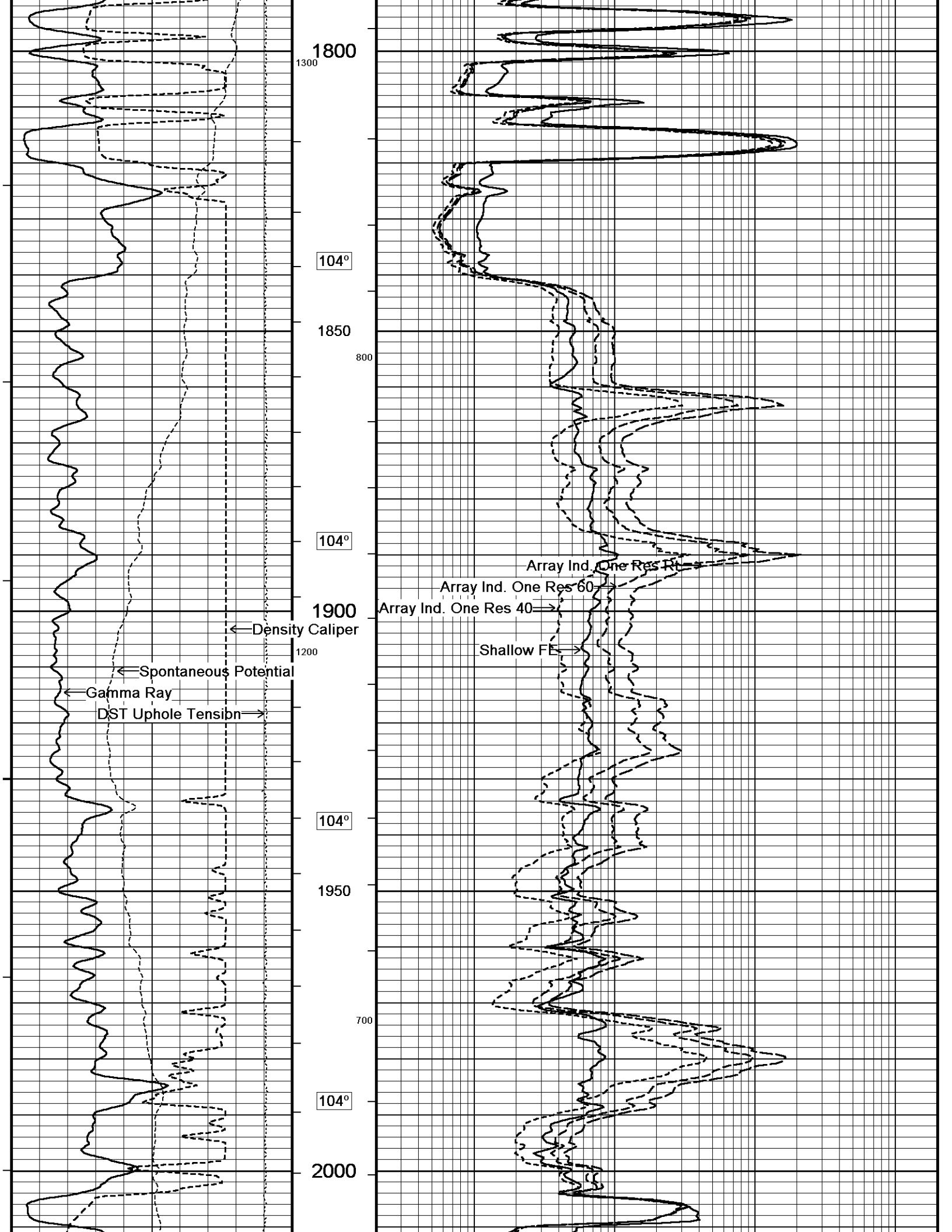
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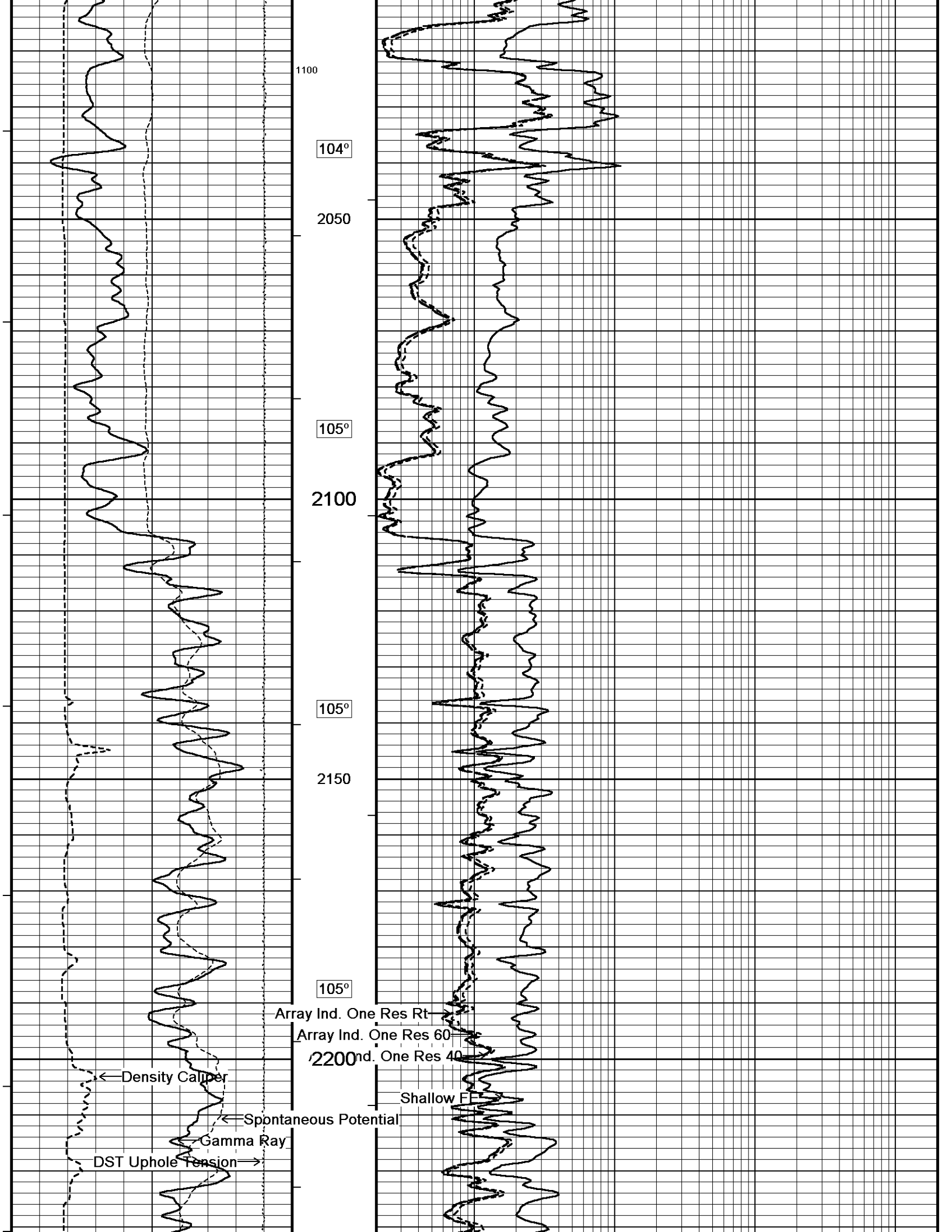
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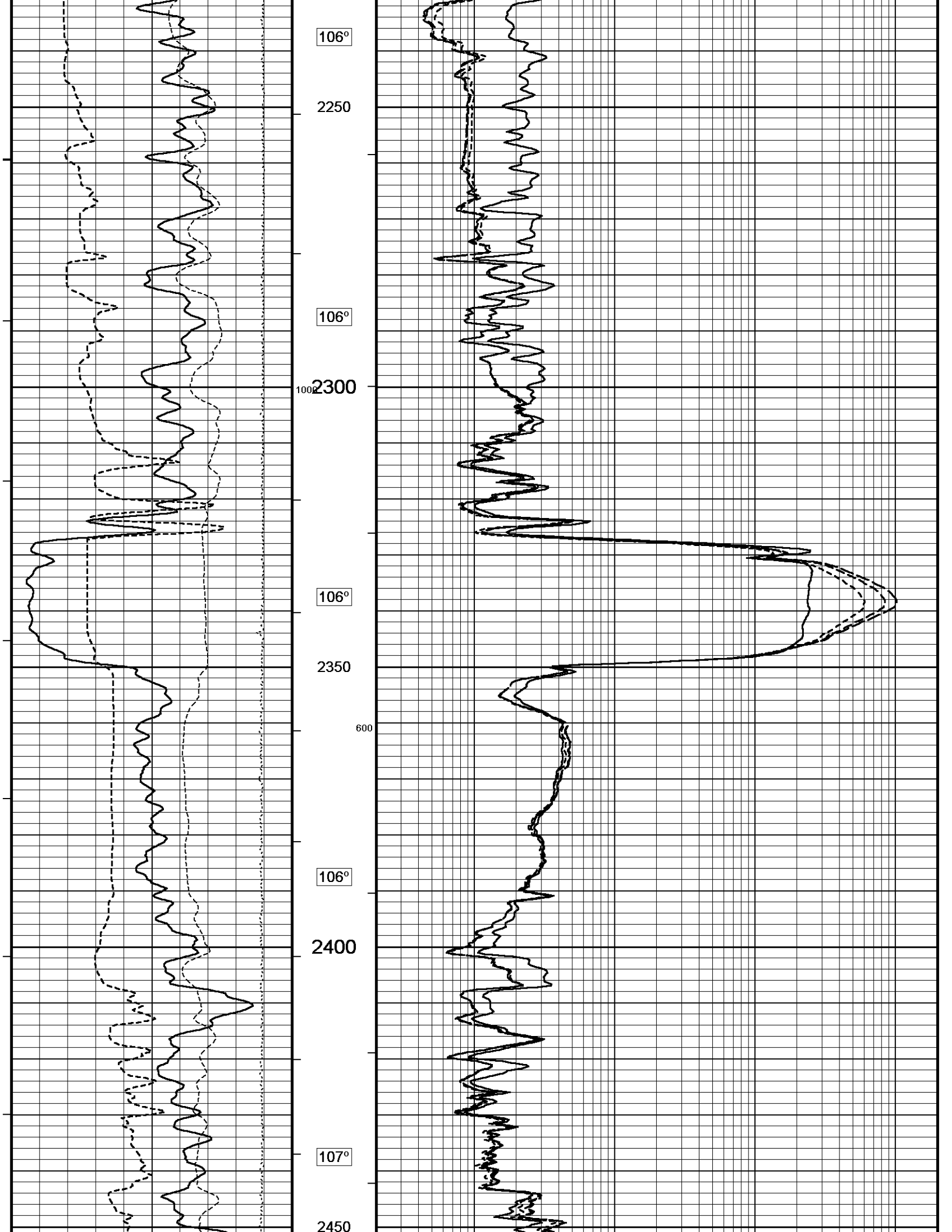
Array Ind. One Res 40

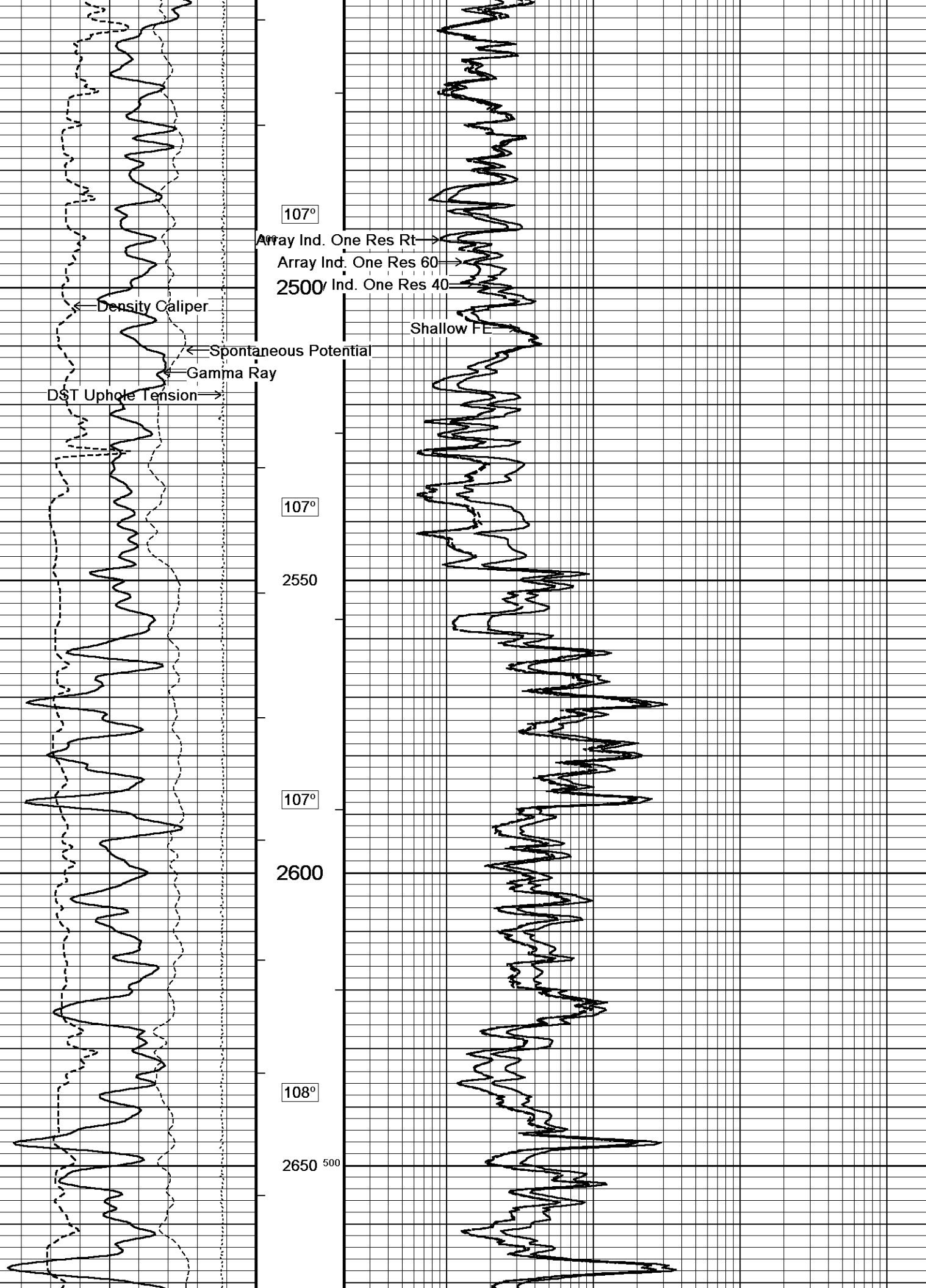
Shallow FE

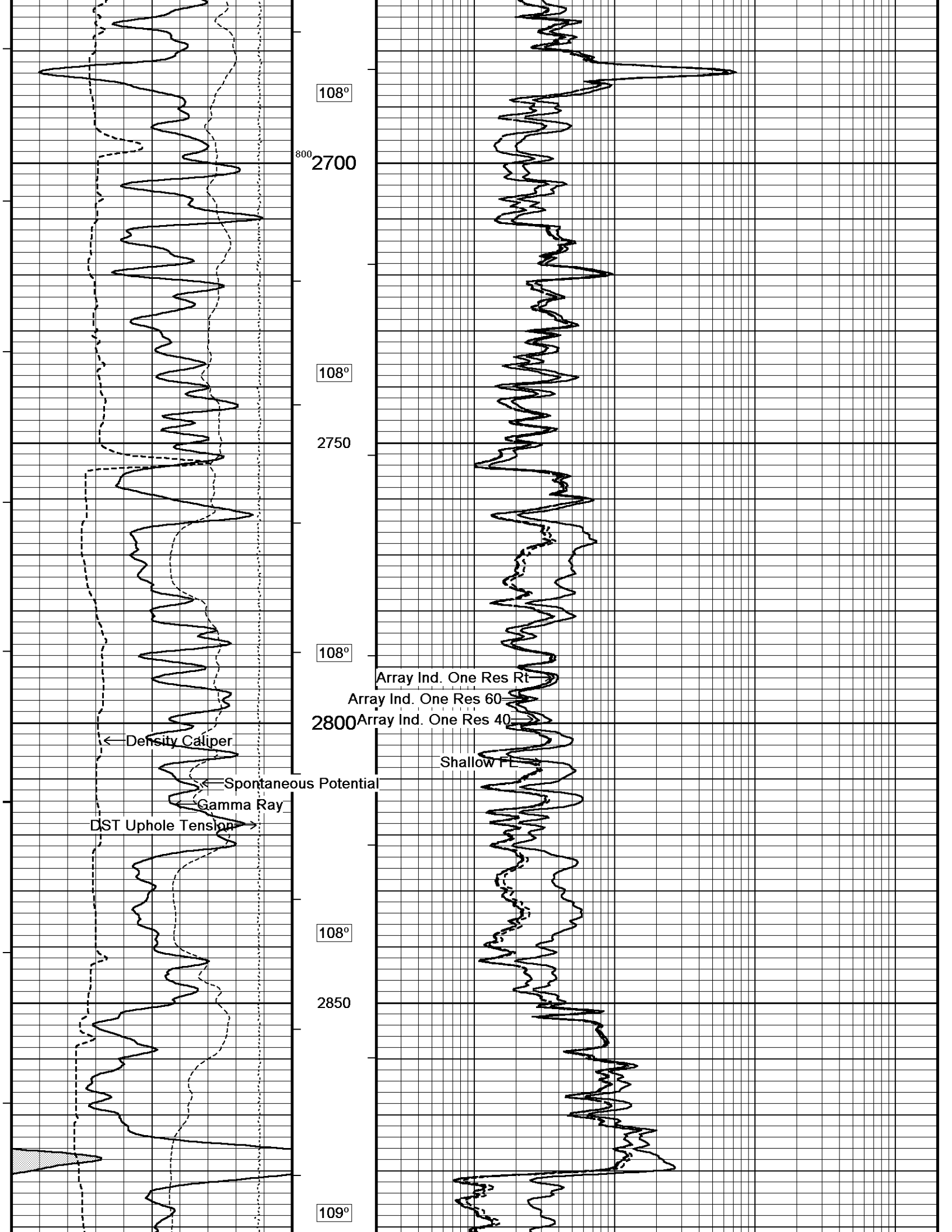


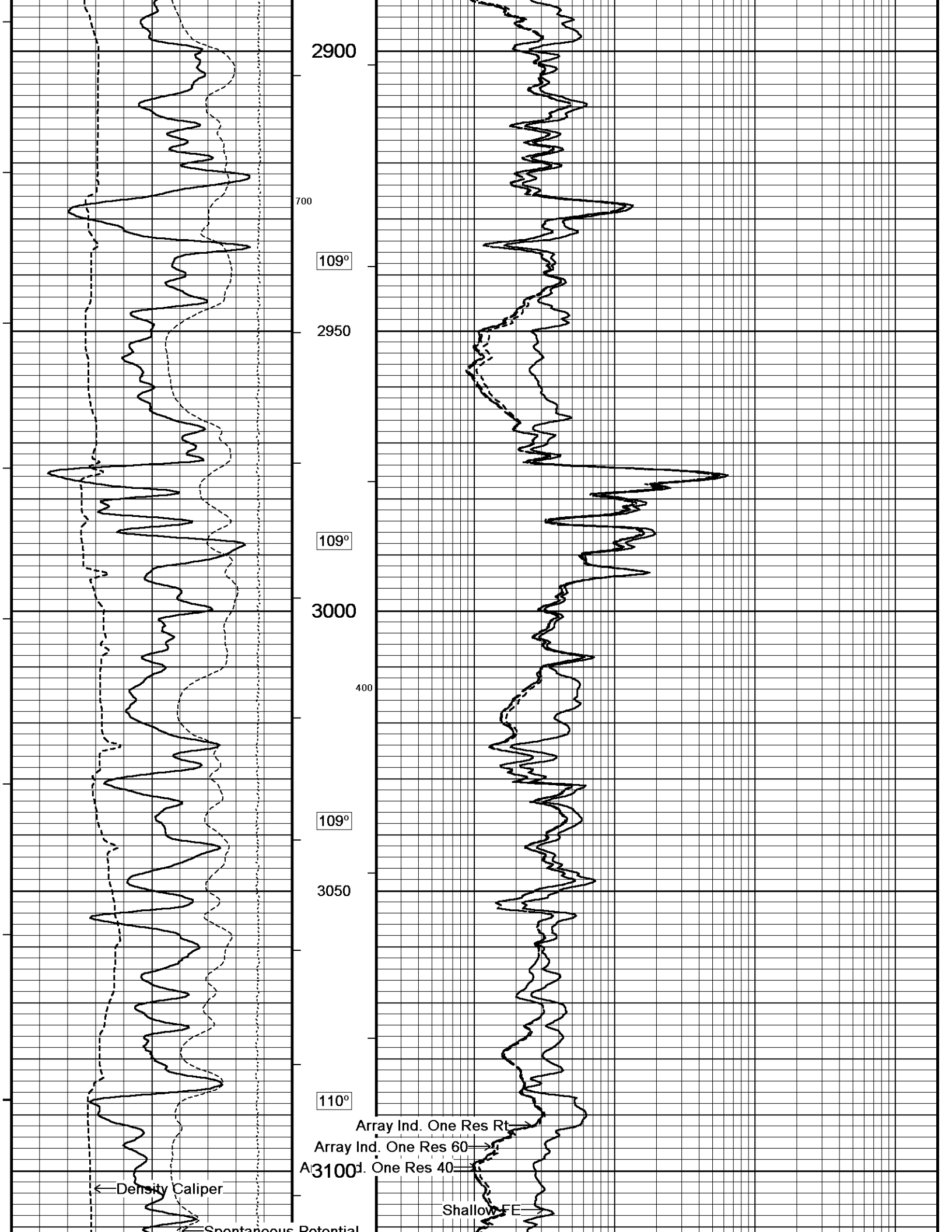


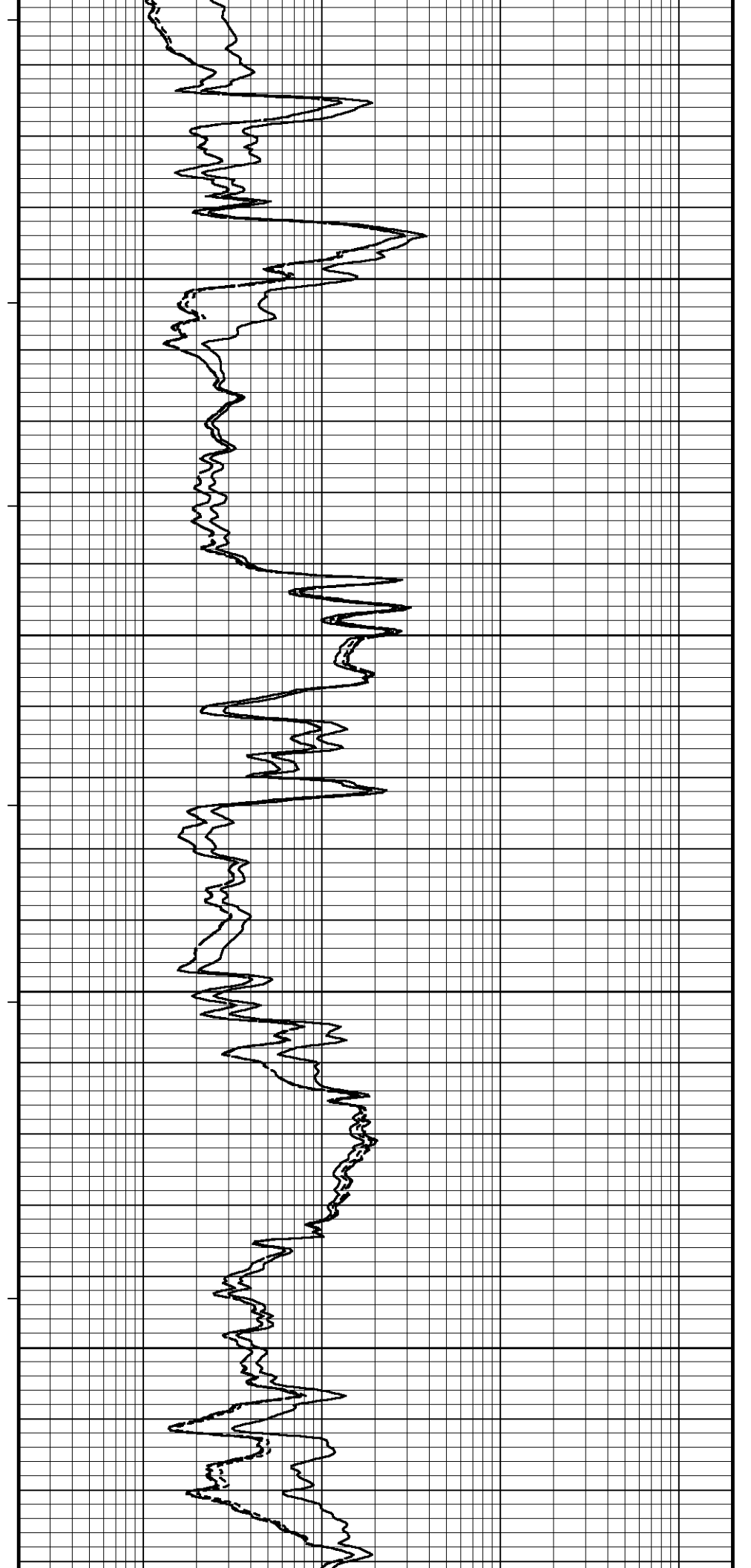
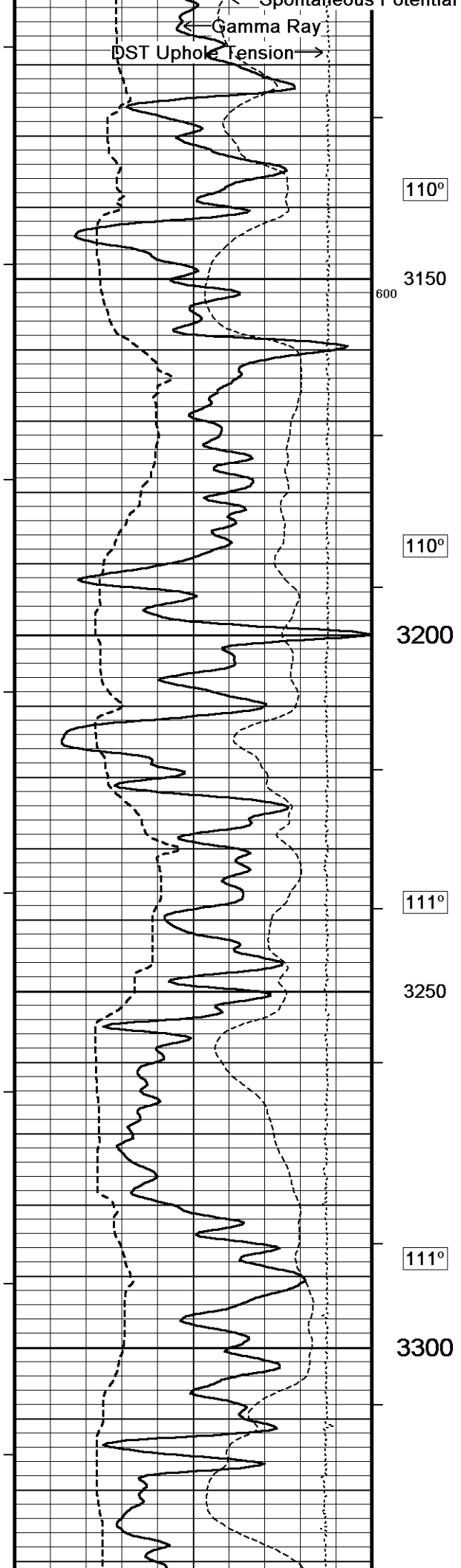


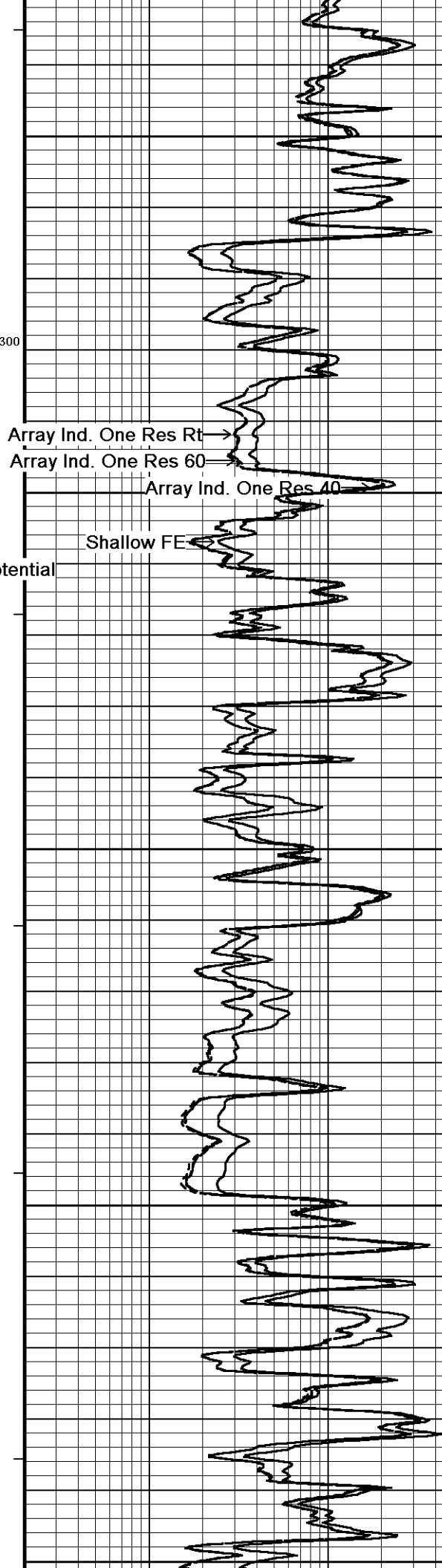
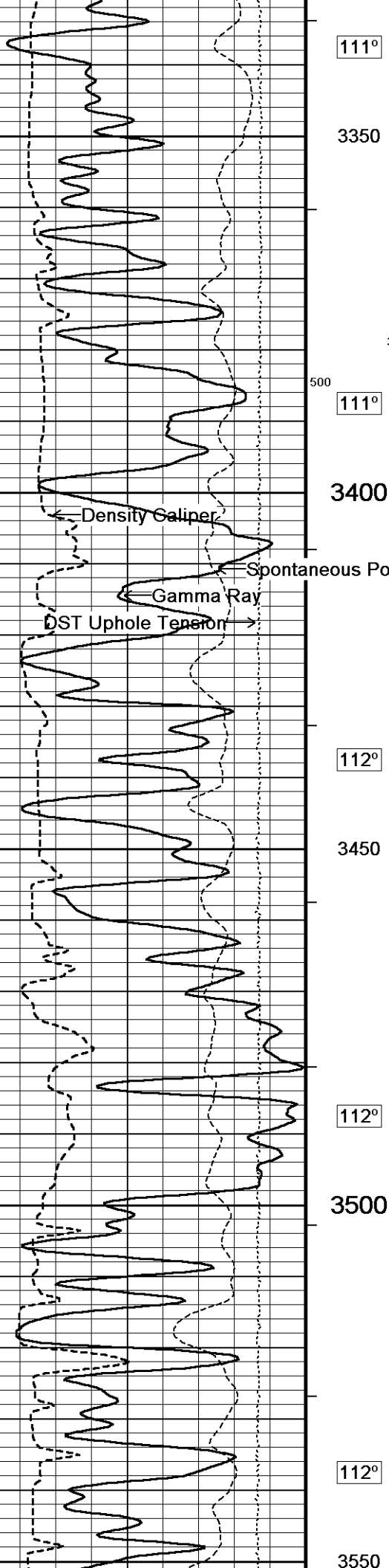


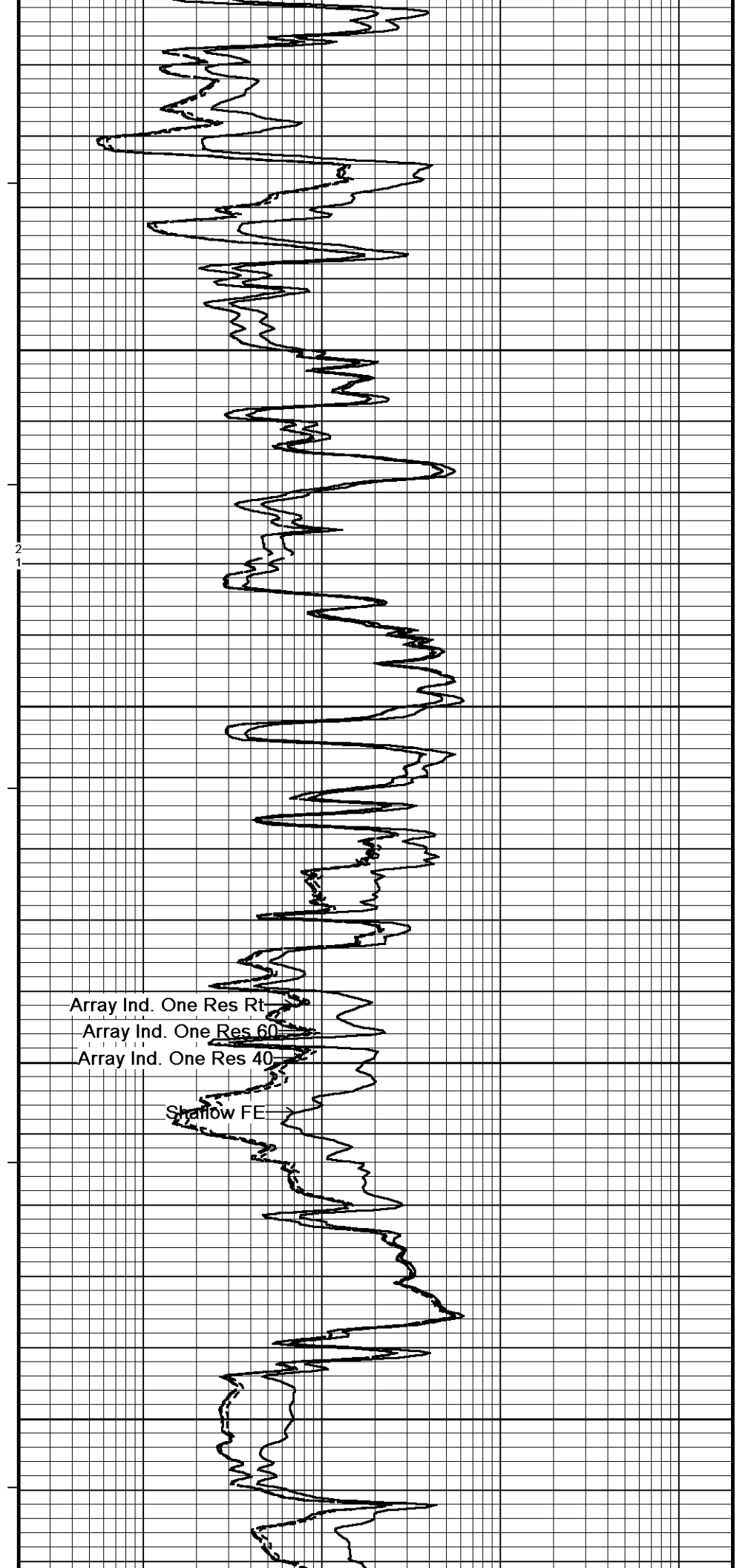
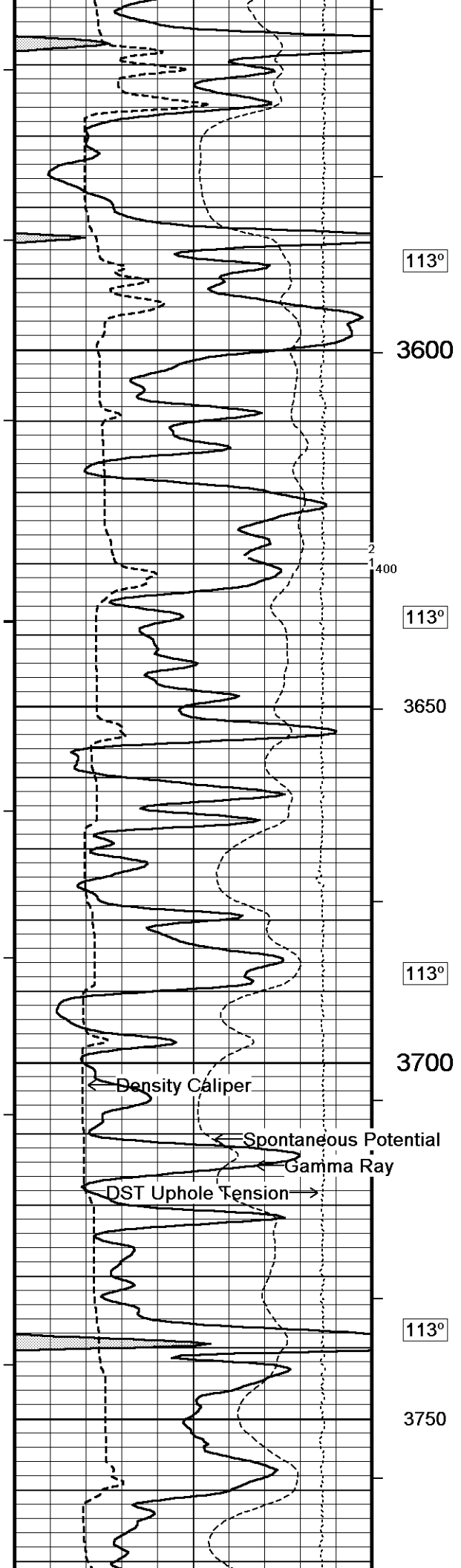


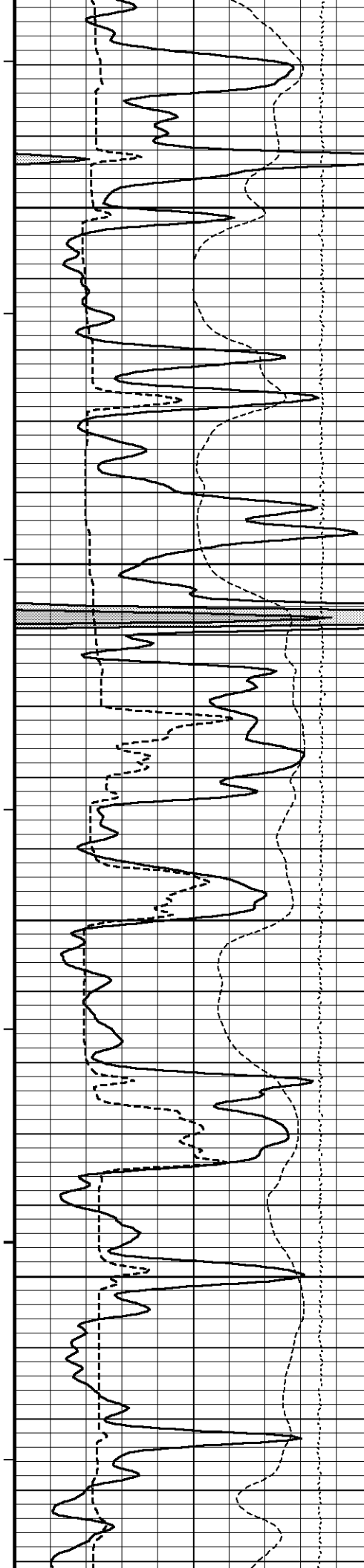












114°

3800

200

114°

3850

114°

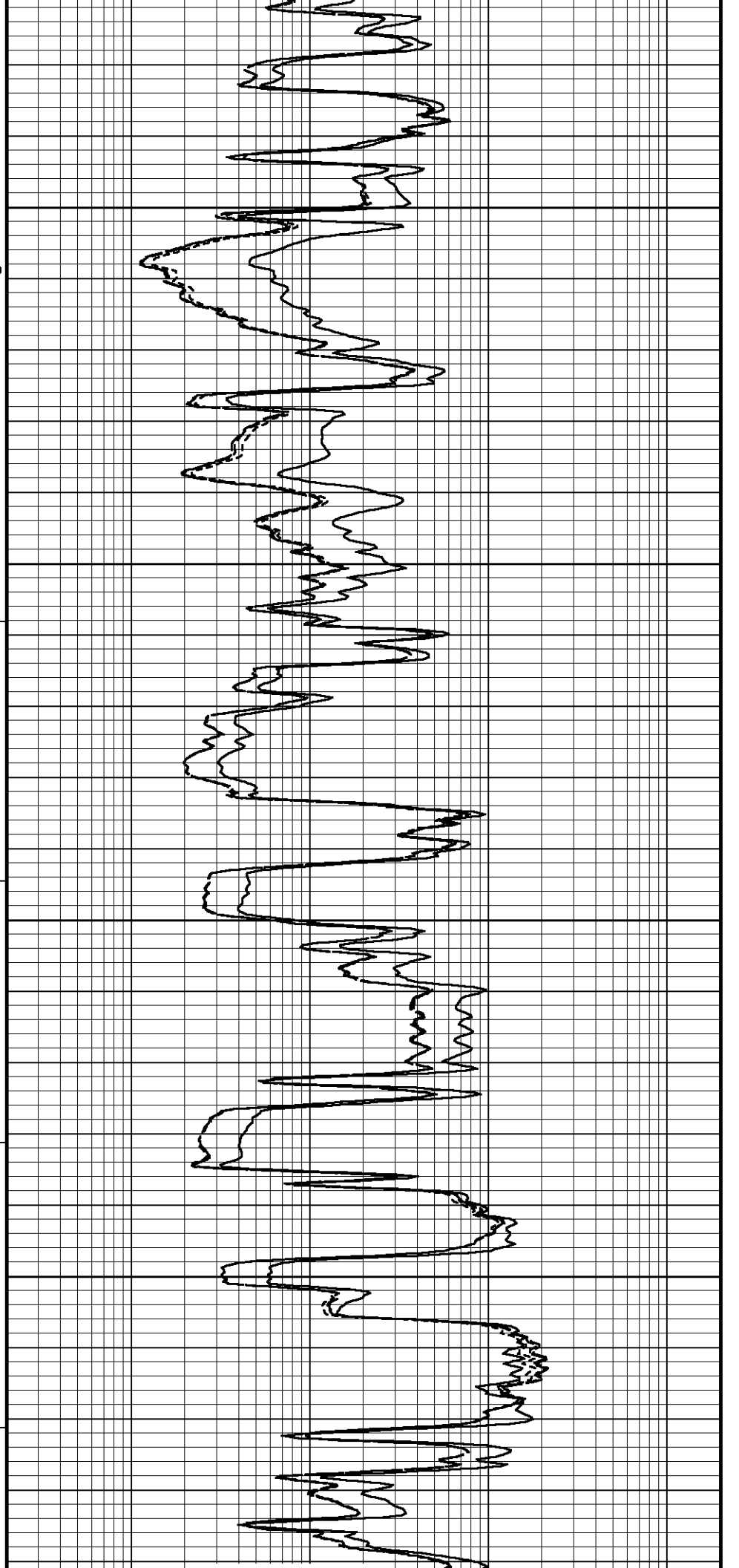
3900

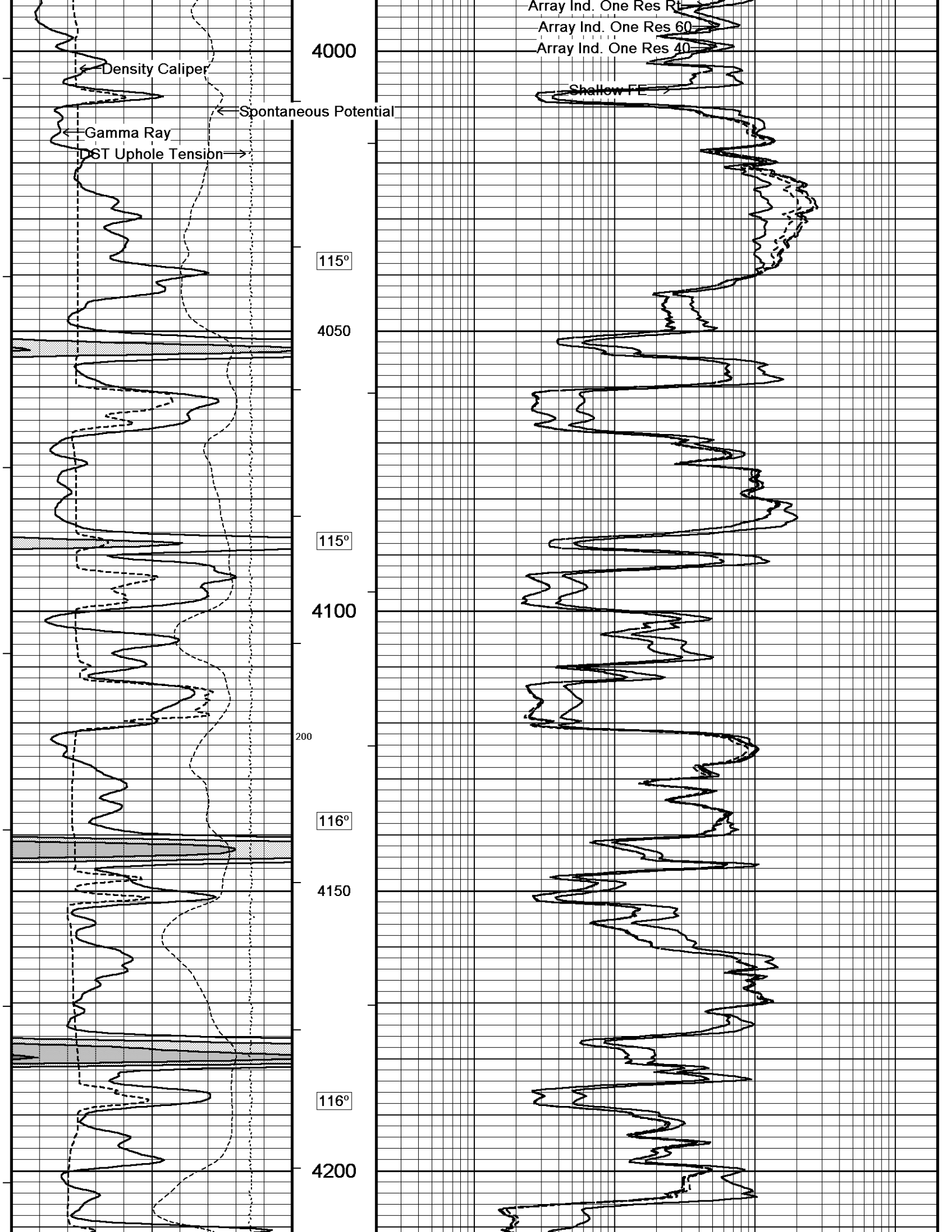
300

115°

3950

115°





4000

Array Ind. One Res Rt

Array Ind. One Res 60

Array Ind. One Res 40

Density Caliper

Spontaneous Potential

Gamma Ray

ST Uphole Tension

Shallow FI

115°

4050

115°

4100

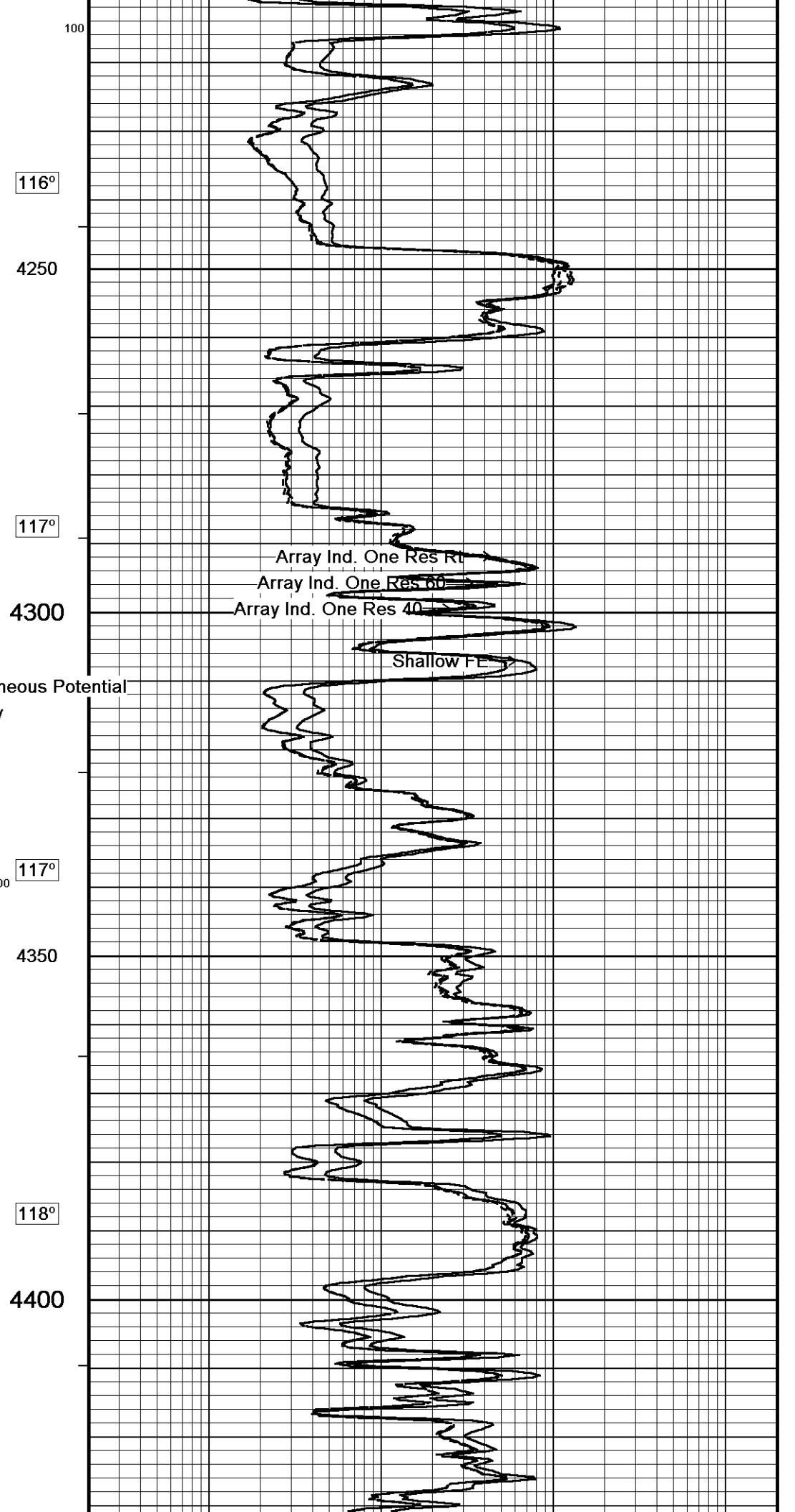
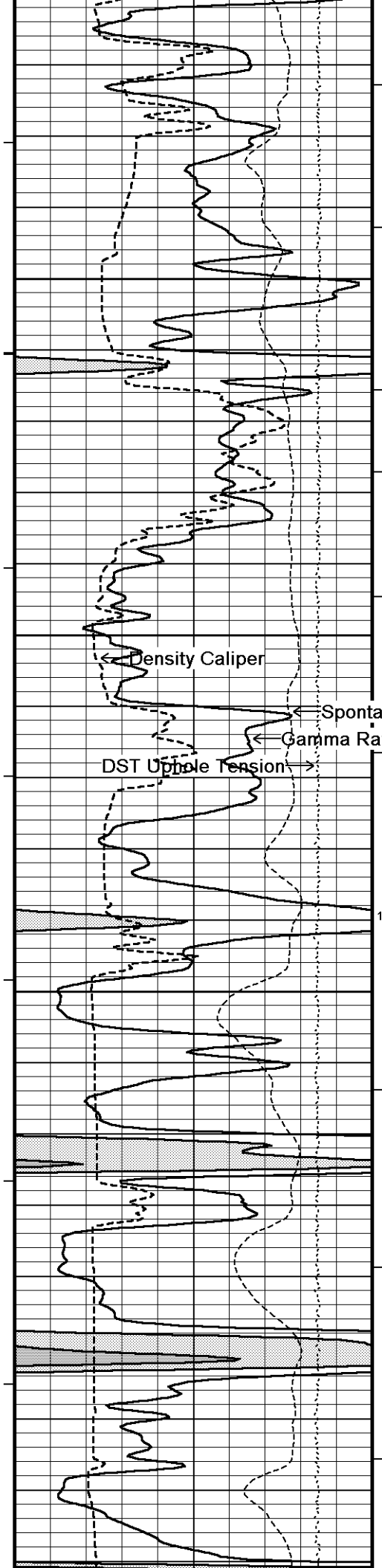
200

116°

4150

116°

4200



116°

4250

117°

4300

117°

4350

118°

4400

Density Caliper

Spontaneous Potential

Gamma Ray

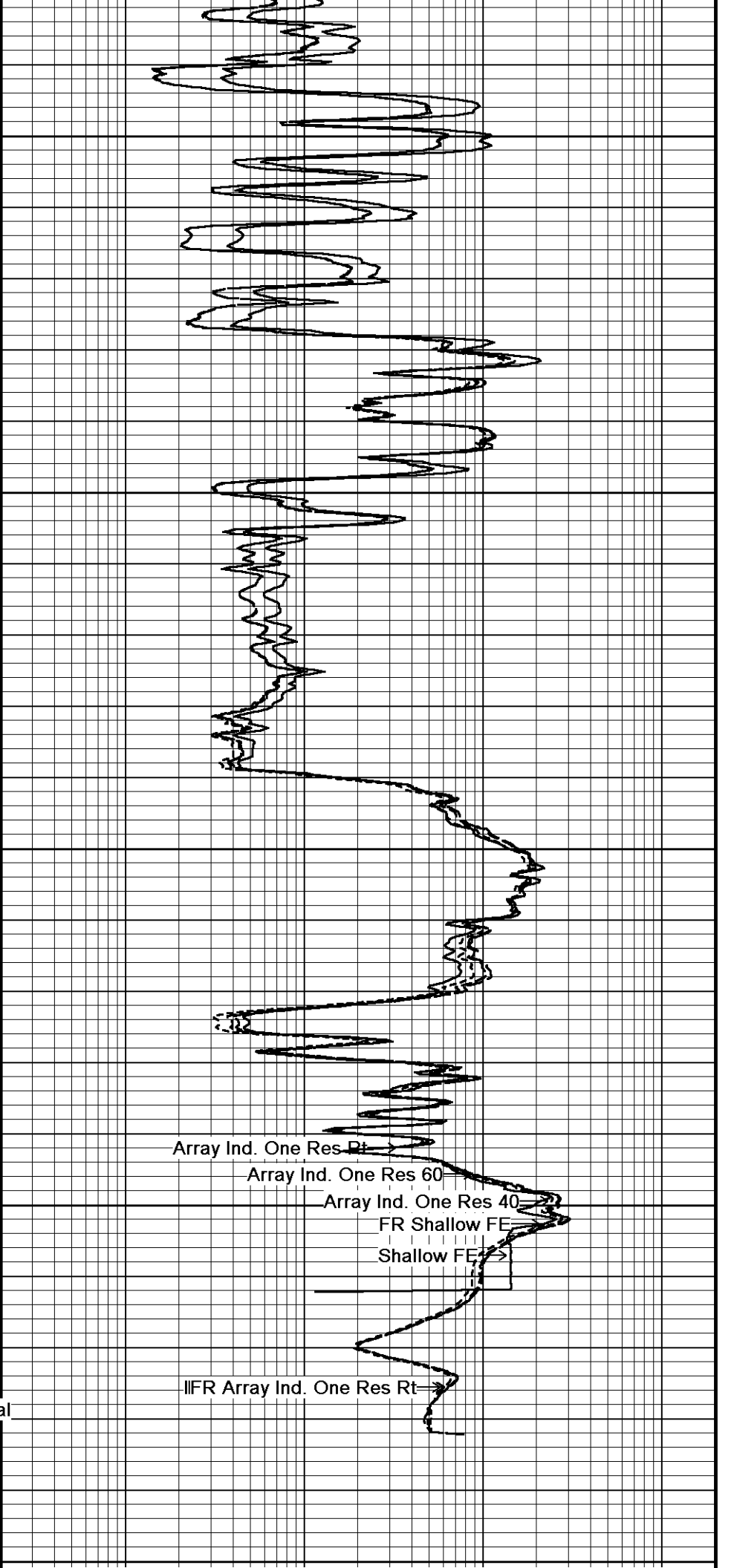
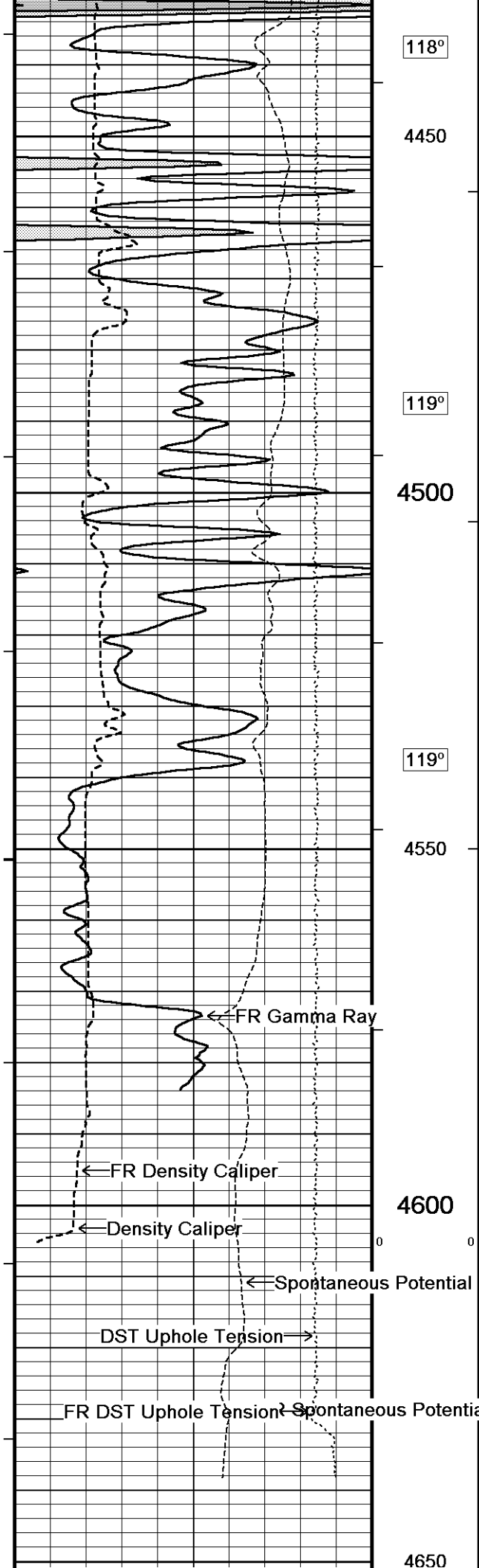
DST Up-hole Tension

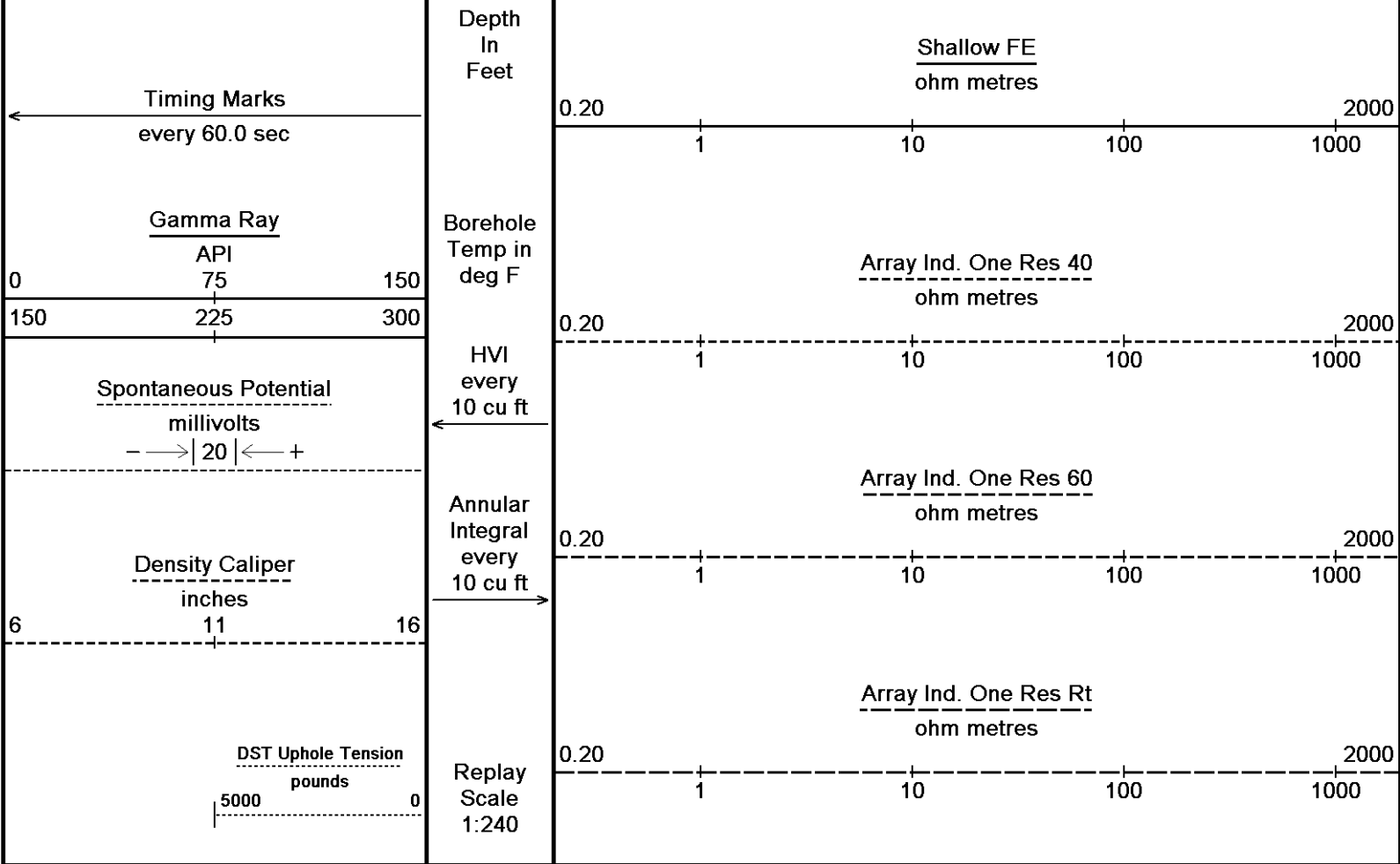
Array Ind. One Res Rt

Array Ind. One Res 60

Array Ind. One Res 40

Shallow FE



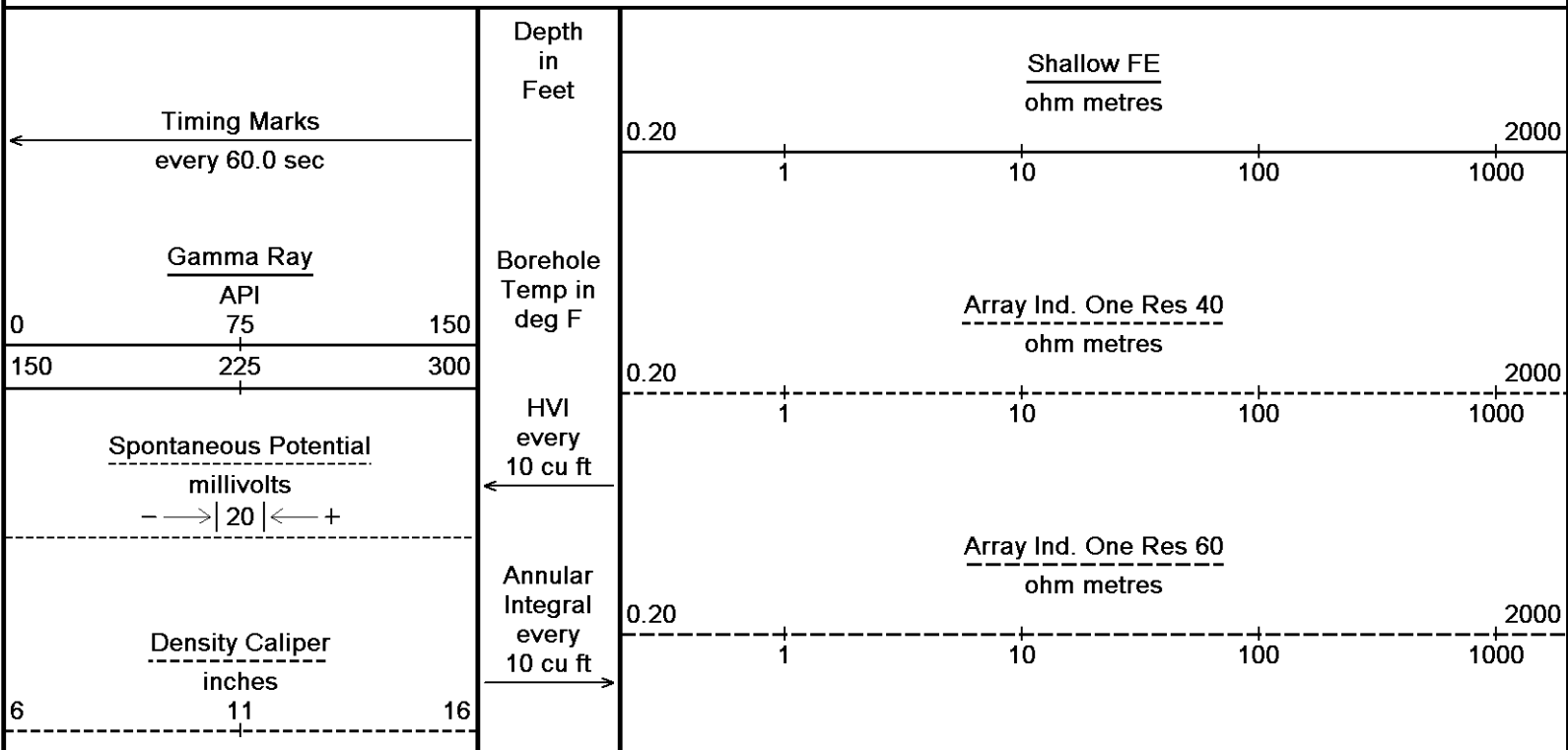


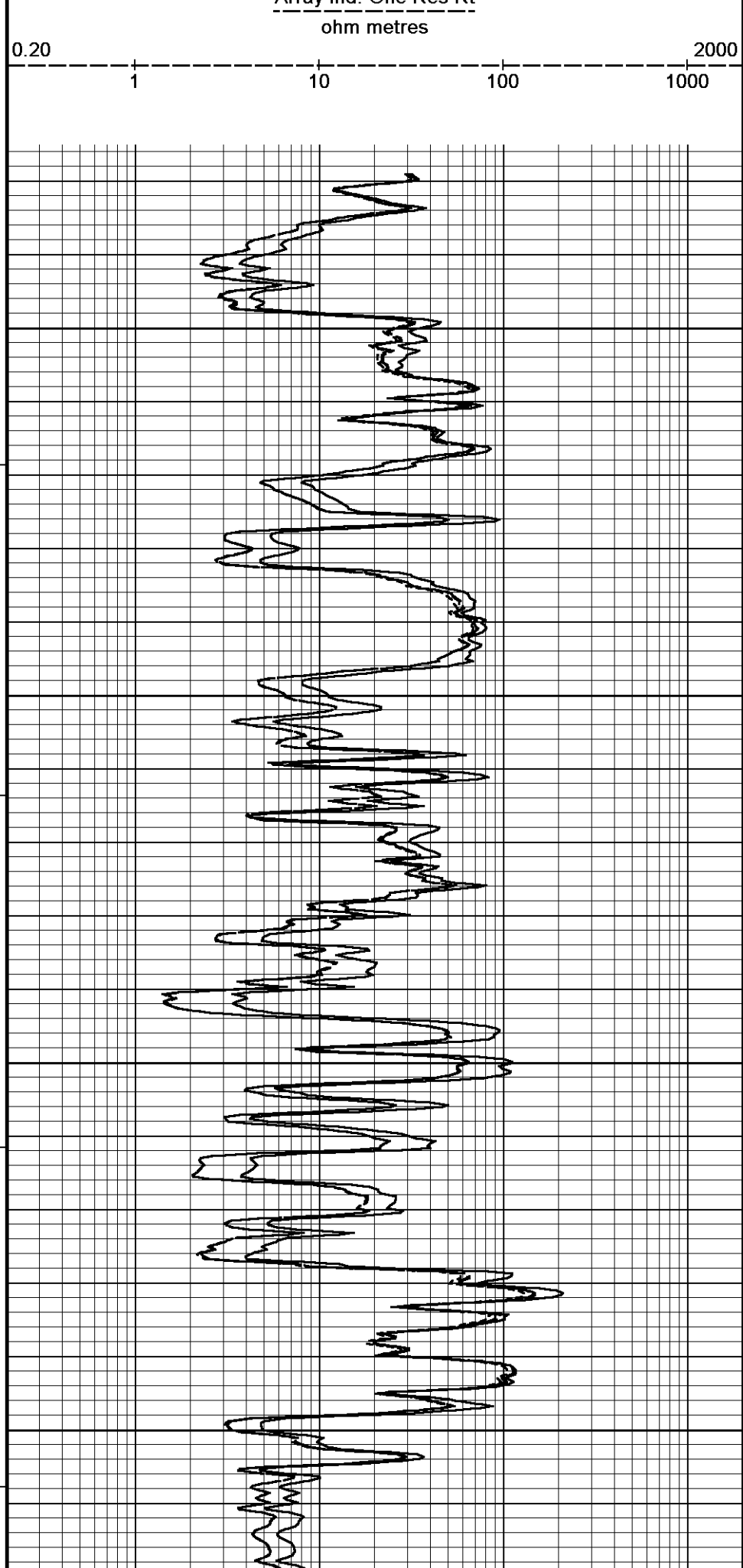
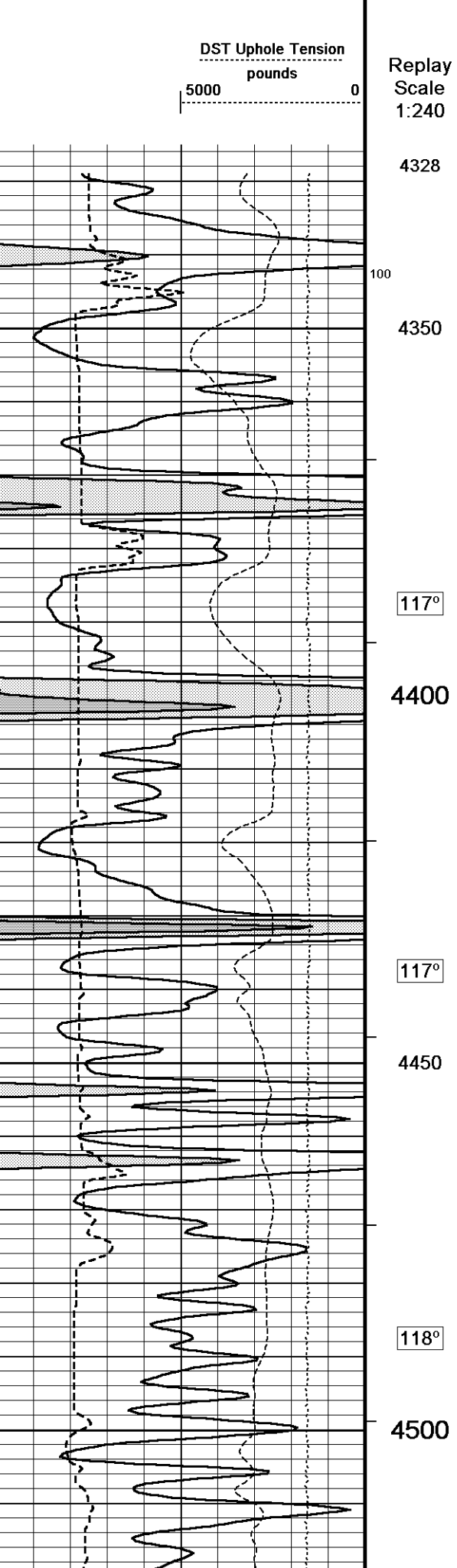
Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 28-SEP-2012 22:33
 Filename: C:\Minimus 13.02.6600\Data\Shakespeare Parsons #...\Shakespeare Parsons #2-27_002.dta Recorded on 28-SEP-2012 20:00
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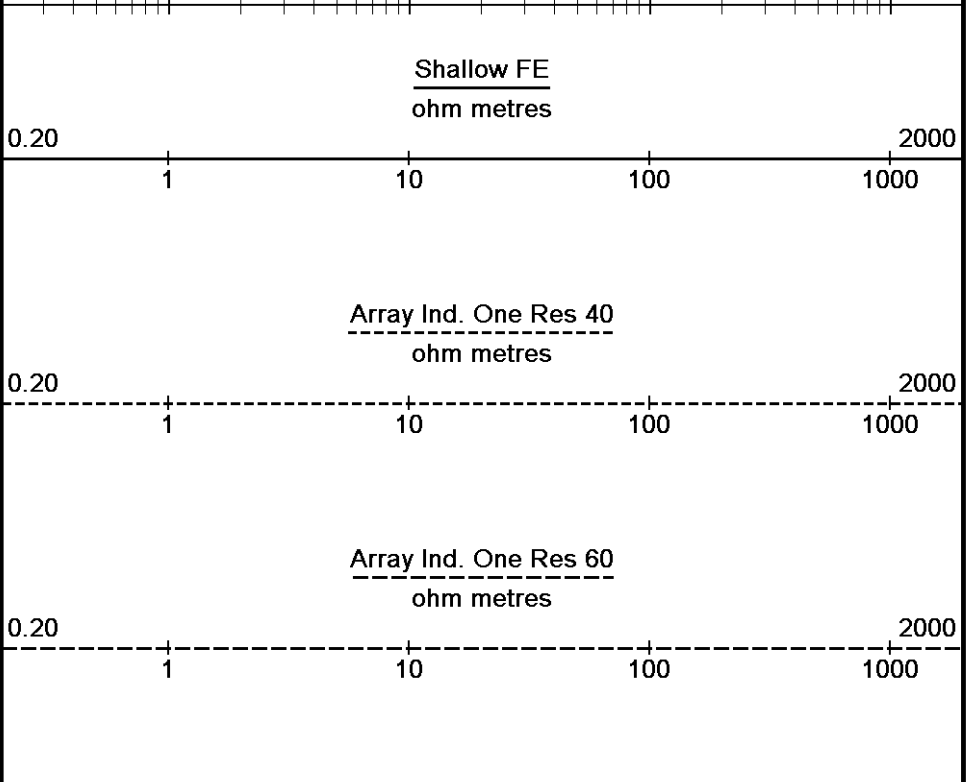
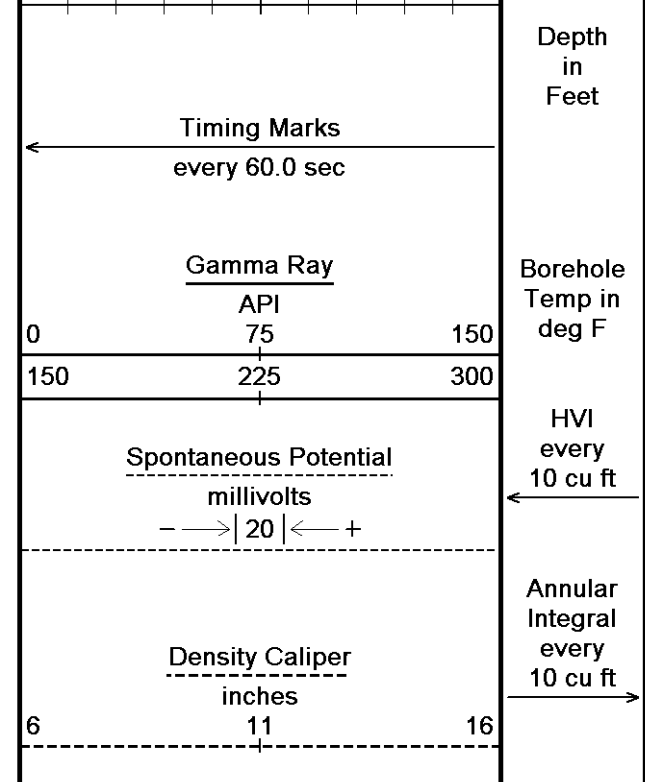
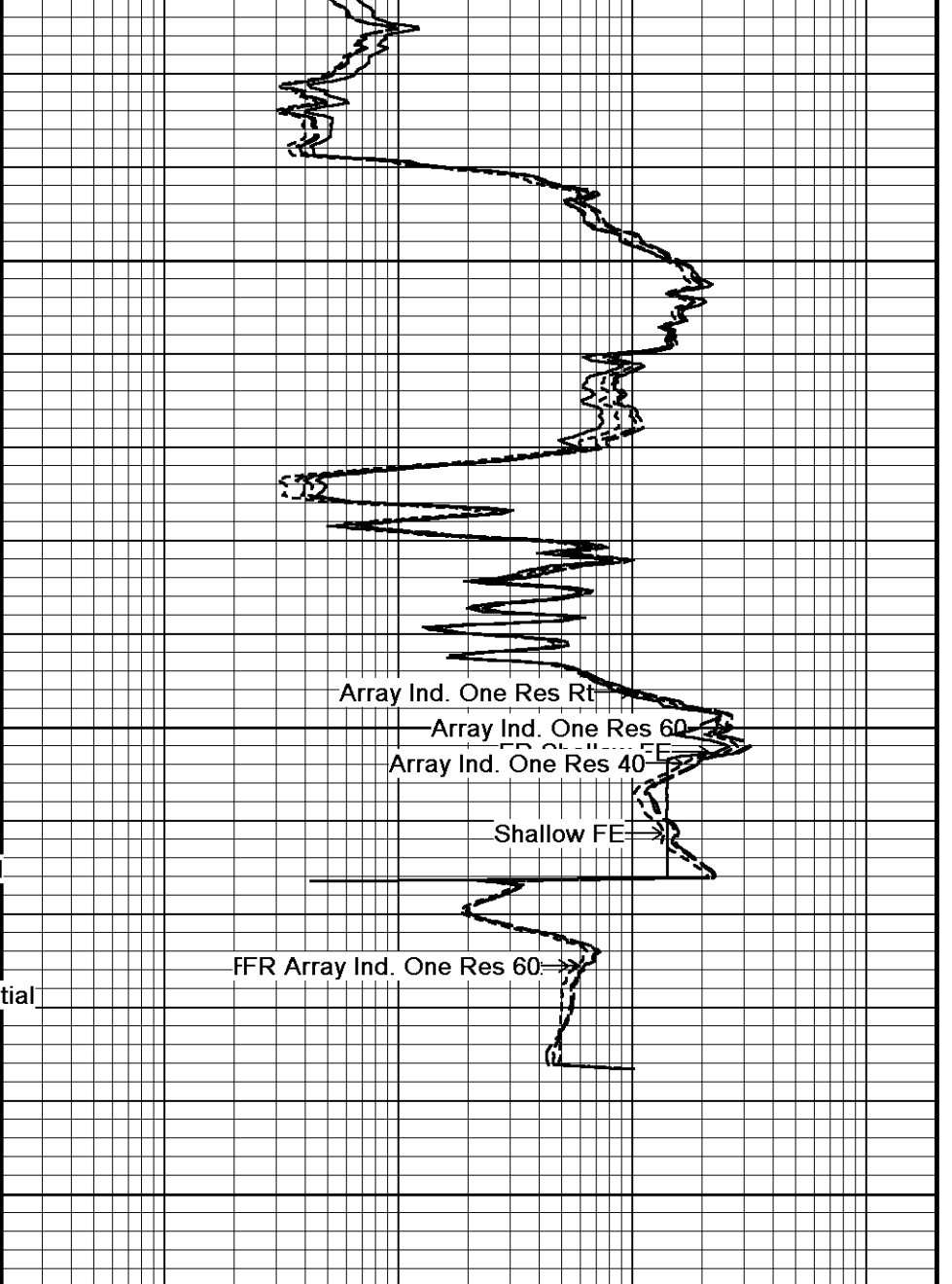
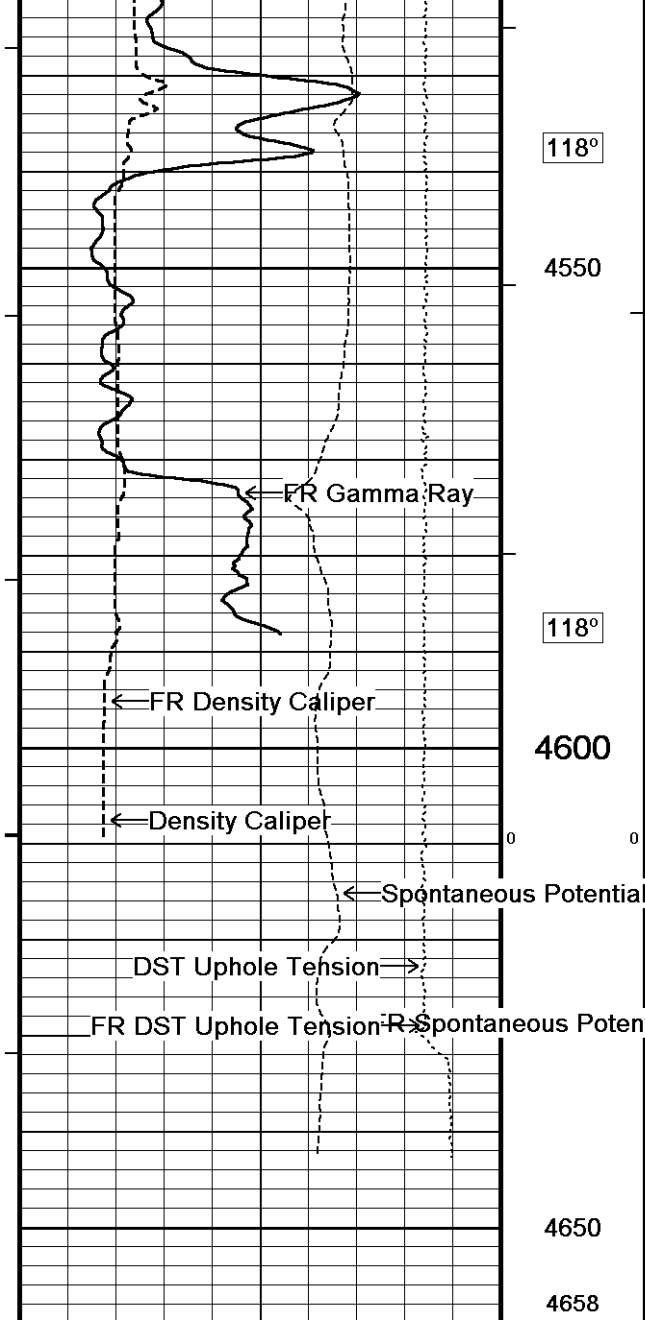
↑ **5 INCH MAIN** ↑

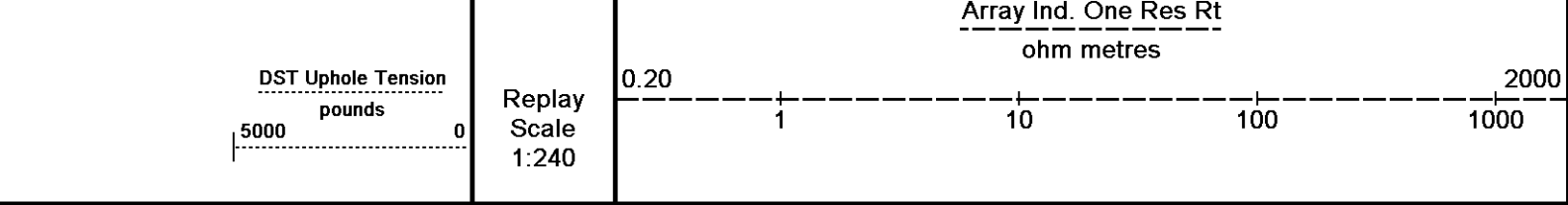
↓ **REPEAT SECTION** ↓

Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 28-SEP-2012 22:33
 Filename: C:\Minimus 13.02.6600\Data\Shakespeare Parsons #...\Shakespeare Parsons #2-27_001.dta Recorded on 28-SEP-2012 19:37
 System Versions: Logged with 13.02.6600 Plotted with 13.02.6600









Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 28-SEP-2012 22:33
 Filename: C:\Minimus 13.02.6600\Data\Shakespeare Parsons #2-27\Shakespeare Parsons #2-27_001.dta
 Recorded on 28-SEP-2012 19:37
 System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

↑ REPEAT SECTION ↑

BEFORE SURVEY CALIBRATION
 C:\Minimus 13.02.6600\Data\Shakespeare Parsons #2-27\Shakespeare Parsons #2-27_001.dta

General Constants All 000 Last Edited on 28-SEP-2012,18:18

General Parameters			
Mud Resistivity	0.740	ohm-metres	
Mud Resistivity Temperature	89.000	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		
Annular Volume Diameter	5.500	inches	
Caliper for Differential Caliper	Density Caliper		
Rwa Parameters			
Porosity used	Base Density Porosity		
Resistivity used	Array Ind. Four Res Rt		
RWA Constant A	0.610		
RWA Constant M	2.150		

Down-hole Tension Calibration SMS 0 Field Calibration on 27-SEP-2012 04:09

Reading No	Measured	Calibrated (lbs)
1	13701.85	0.00
2	13742.18	500.00

Gamma Calibration MCG-C 208 Field Calibration on 28-SEP-2012 11:20

	Measured	Calibrated (API)
Background	70	49
Calibrator (Gross)	1103	774
Calibrator (Net)	1033	725

Gamma Constants MCG-C 208 Last Edited on 28-SEP-2012,18:18

Gamma Calibrator Number	GR38	
Mud Density	1.13	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

Caliper Calibration MML-A 4

Base Calibration on 27-AUG-2012 09:13

Field Calibration on 28-SEP-2012 11:02

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)
5.98	5.98

Micro Normal and Micro Inverse Calibration MML-A 4

Base Calibration on 27-AUG-2012 09:21

Field Check on 28-SEP-2012 11:04

Base Calibration

Channel	Measured		Calibrated (ohm-m)	
	Resistor 1	Resistor 2	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	62.9
Micro Inverse	48.2	48.2

Micro Normal and Micro Inverse Constants MML-A 4

Last Edited on 28-SEP-2012,18:18

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 28-SEP-2012 11:25

Base Calibration

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

Field Calibrator at Base

Ratio	Calibrated (cps)
	1654 2401
	0.689

Field Check

Ratio	Calibrated (cps)
	1646 2367
	0.695

Neutron Constants MDN-A.B 65

Last Edited on 28-SEP-2012,18:18

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	

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	963.9	126.8
Base Check		281.2
Field Check		281.4

FE Constants MFE-B.J 352

Last Edited on 28-SEP-2012,18:17

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

Sonic Constants MSS-A.A 126

Last Edited on 27-JUL-2012,20:15

Maximum Boundary Contrast	100.00	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	Compensated
Hole Type	Open Hole

Sonde Parameters

	Measured	Calibrated
Offset	0.0000	0.0000
Free Pipe	0.0000	0.0000
Peak Amplitude Source	0	

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	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
3' Waveform Filter	0

4' Waveform Filter	0	
5' Waveform Filter	0	
6' Waveform Filter	0	
Semblance Level	0.50	
Semblance Window Width	120.00	micro-sec
Sonic 1 Despiker	100.00	micro-sec/ft
Sonic 2 Despiker	100.00	micro-sec/ft

Induction Calibration MAI-A.A 45

Base Calibration on 26-JUL-2012,09:22
Field Check on 28-SEP-2012 10:57

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	18.7	3851.6
2	0.0	0.0	31.7	3629.4
3	0.0	0.0	28.6	3049.5
4	0.0	0.0	18.3	2079.3
Deep	0.0	0.0	16.1	1911.4
Medium	0.0	0.0	42.5	4060.7
Shallow	0.0	0.0	49.6	5482.9

Array Temperature 0.0 66.0 Deg F

Induction Constants MAI-A.A 45

Last Edited on 28-SEP-2012,18:17

Induction Model	RtAP-WBM	
Caliper for Borehole Corr.	Density Caliper	
Hole Size for Borehole Correction	N/A	inches
Tool Centred	No	
Stand-off Type	Fins	
Stand-off	0.50	inches
Number of Fins on Stand-off	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	mhos/metre

Borehole Normalisation

DRM1	0.0000	DRC1	0.0000
DRM2	0.0000	DRC2	0.0000
MRM1	0.0000	MRC1	0.0000
MRM2	0.0000	MRC2	0.0000
SRM1	0.0000	SRC1	0.0000
SRM2	0.0000	SRC2	0.0000

Calibration Site Corrections

Channel 1	0.00	mmhos/metre
Channel 2	0.00	mmhos/metre
Channel 3	0.00	mmhos/metre
Channel 4	0.00	mmhos/metre

Apparent Porosity and Water Saturation Constants

Archie Constant (A)	1.00	
Cementation Exponent (M)	2.00	
Saturation Exponent (N)	2.00	
Saturation of Water for Apor	100.00	percent
Resistivity of Water for Apor and Sw	0.05	ohm-m
Resistivity of Mud Filtrate for Sw	0.00	ohm-m
Source for Rt	0.00	

Source for Rxo 0.00

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 28-SEP-2012 11:10

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)
	6.00	5.98

Photo Density Calibration MPD-B 31

Base Calibration on 28-AUG-2012 11:22
Field Check on 28-SEP-2012 11:09

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

PE Calibration					
Base Calibration		Measured		Calibrated	
	WS	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				
	Near	Far	Near	Far
	688.3	844.7		

Field Check				
	Near	Far	Near	Far
	685.2	846.0		

Field Check at Base				
	WS	WH	Ratio	Ratio
	127.0	604.2		

Field Check				
	WS	WH	Ratio	Ratio
	125.7	598.4		

Density Constants MPD-B 31

Last Edited on 28-SEP-2012,18:18

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	1.13	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\Shakespeare Parsons #2-27\Shakespeare Parsons #2-27_001.dta

Compact Comms Gamma
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

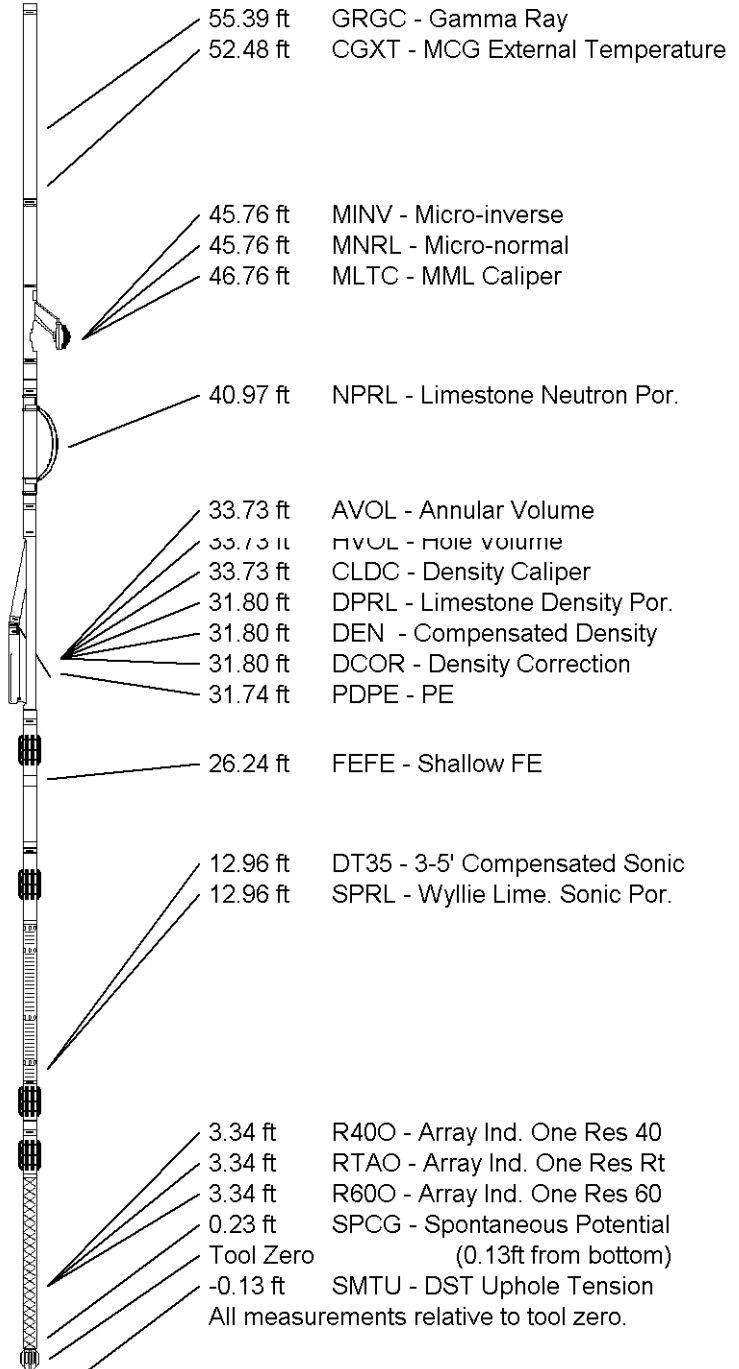
Compact Density/Caliper
MPD-B 31 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

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

Compact Sonic
MSS-A.A 126 LG: 12.52 ft WT: 72.8 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: 60.68 ft Weight: 456.4 lb



COMPANY	SHAKESPEARE OIL CO., INC.
WELL	PARSONS #2-27
FIELD	WILDCAT
PROVINCE/COUNTY	GOVE
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing 2049.00 feet First Reading 4626.00 feet

Elevation Kelly Bushing 2848.00 feet
 Elevation Drill Floor 2846.00 feet
 Elevation Ground Level 2838.00 feet

First Reading 4626.00 feet
 Depth Driller 4630.00 feet
 Depth Logger 4629.00 feet

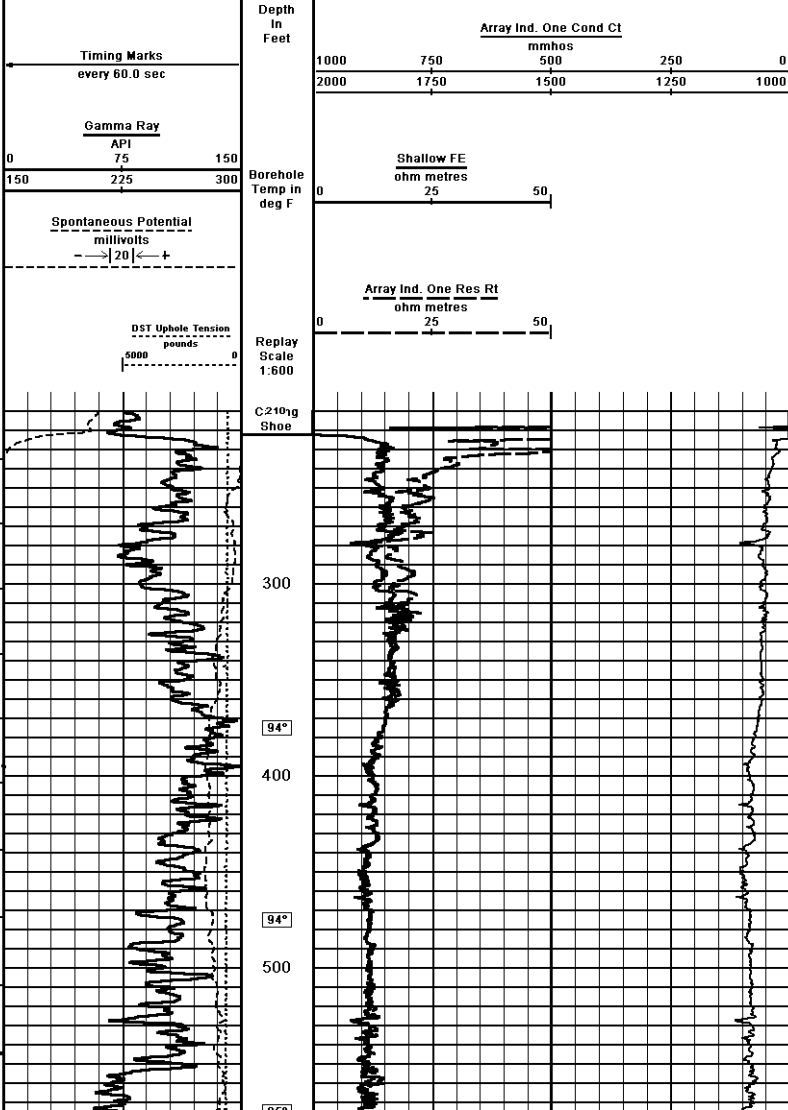


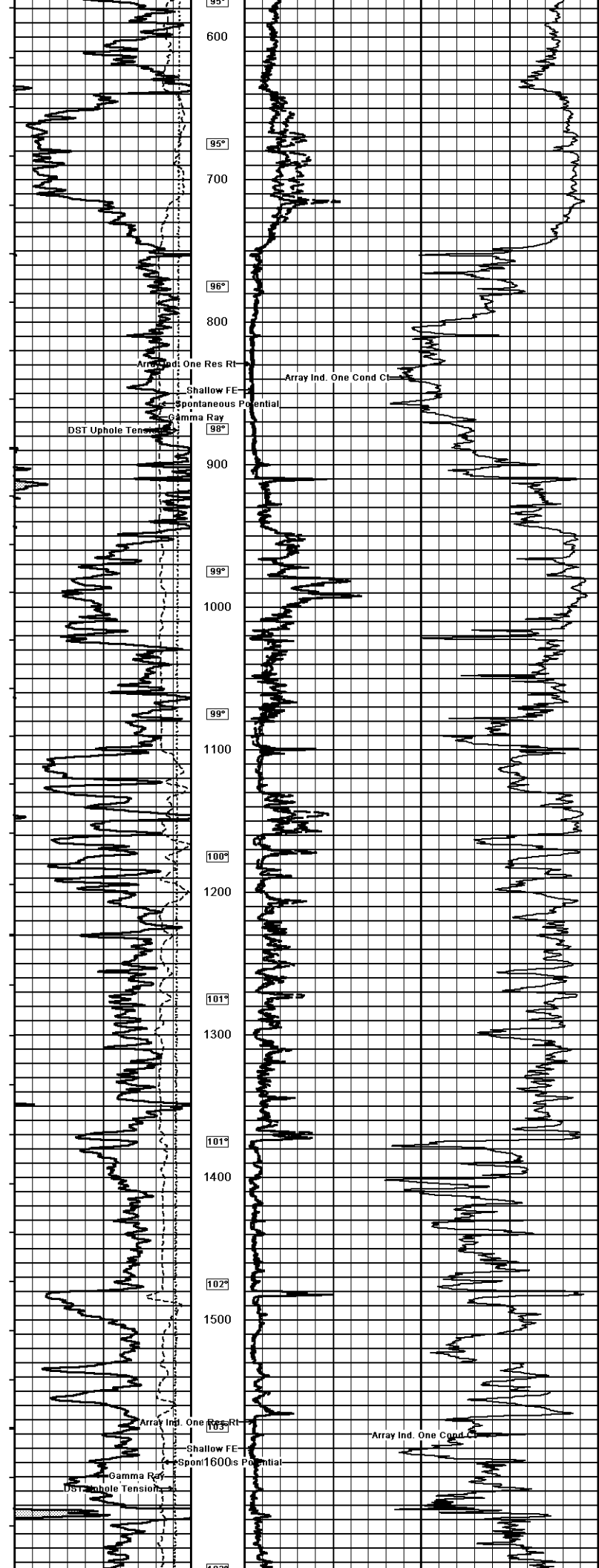
Weatherford[®]

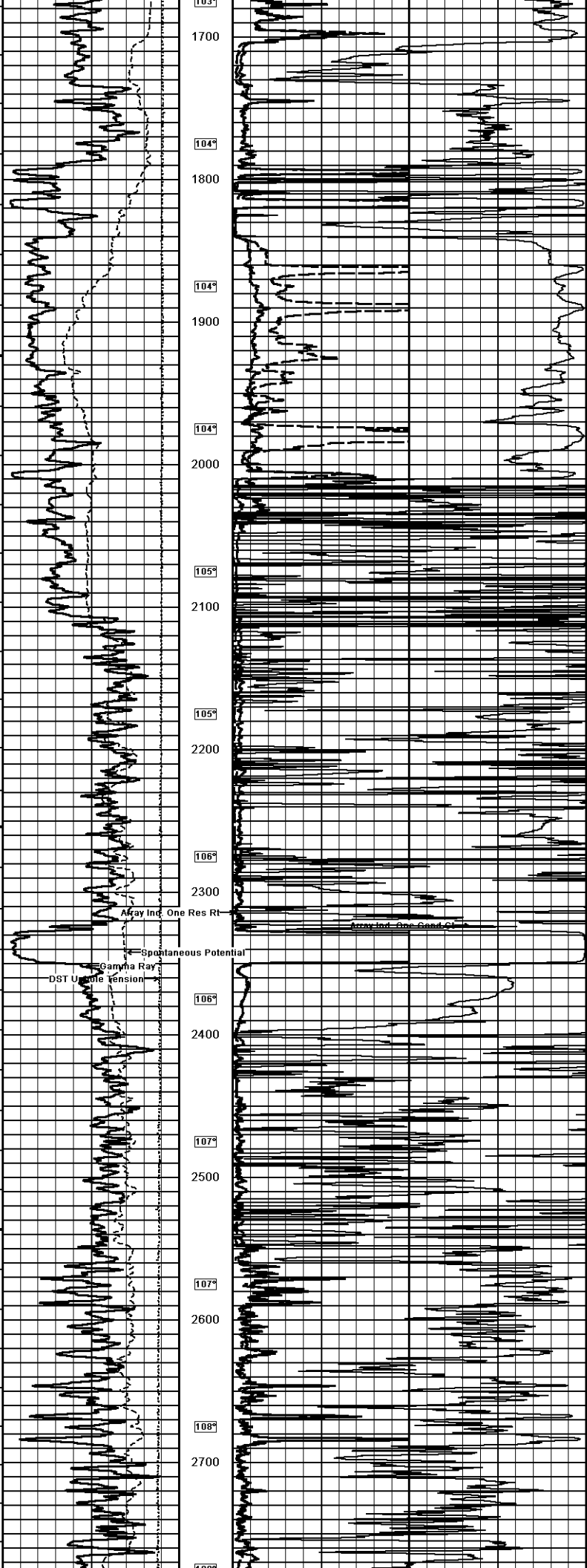
ARRAY INDUCTION
 SHALLOW FOCUSED
 ELECTRIC LOG

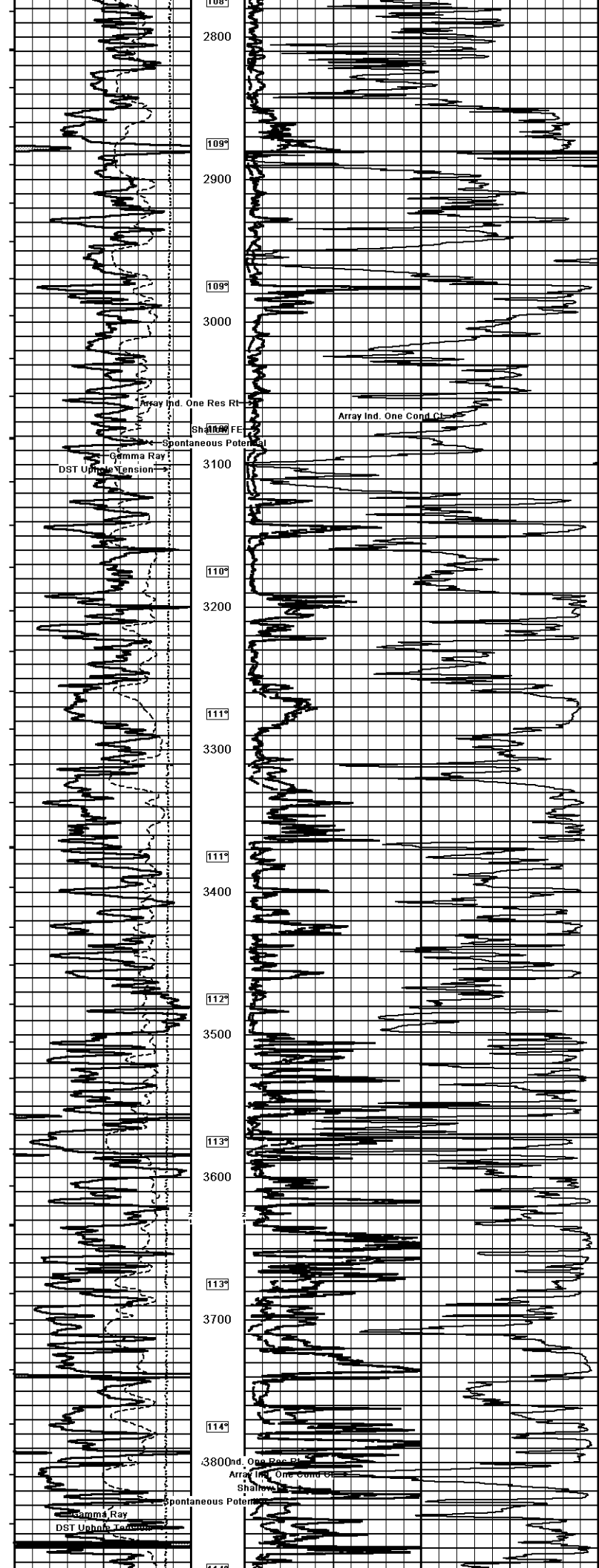
Weatherford		ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG	
COMPANY	SHAKESPEARE OIL CO., INC.	WELL	PARSONS #2-27
FIELD	WILDCAIT	PROVINCE/COUNTY	GOVE
COUNTRY/STATE	U.S.A. / KANSAS	LOCATION	2480' FWL & 1100' FWL
SEC	13S	TWP	31N
Range Number	15-063-2203	Other Services	MSS
Permit Number		MPRO/DIN	
Permit Number		MML	
Permanent Datum GL Elevation	2838 feet	Log Measured From KB	
Drilling Measured From KB		Bit Size	7.875 inches
Date	28-SEP-2012	Flow Fluid Type	CHEMICAL
Run Number	ONE	Density/Viscosity	9.40 lb/USg 149.00 CP
Depth Driller	4630.00 feet	PH/Fluid Loss	10.50 8.40 ml/50min
Depth Logger	4629.00 feet	Sampling Source	FLOWLINE
First Reading	4626.00 feet	Rm @ Measured Temp	0.74 @ 89.0 ohm-m
Last Reading	222.00 feet	Rm @ Measured Temp	0.59 @ 93.0 ohm-m
Casing Driller	222.00 feet	Rm @ Measured Temp	0.99 @ 93.0 ohm-m
Casing Logger	222.00 feet	Source RMT/Rmc	CALC
Bit Size	7.875 inches	Rm @ BHT	0.56 @ 113.0 ohm-m
Flow Fluid Type	CHEMICAL	Time since Circulation	4 HOURS
Density/Viscosity	9.40 lb/USg 149.00 CP	Max Recorded Temp	119.00 deg F
PH/Fluid Loss	10.50 8.40 ml/50min	Equipment Name	COMPACT
Sampling Source	FLOWLINE	Equipment Base	ADAM SILL
Rm @ Measured Temp	0.74 @ 89.0 ohm-m	Recorded By	
Rm @ Measured Temp	0.59 @ 93.0 ohm-m	Witnessed By	TIM PRIEST
Rm @ Measured Temp	0.99 @ 93.0 ohm-m	CO #	3358930
Source RMT/Rmc	CALC		
Rm @ BHT	0.56 @ 113.0 ohm-m		
Time since Circulation	4 HOURS		
Max Recorded Temp	119.00 deg F		
Equipment Name	COMPACT		
Equipment Base	ADAM SILL		
Recorded By			
Witnessed By	TIM PRIEST		
CO #	3358930		
			Log Measured From KB
			2846.00
			2846.00
			2838.00

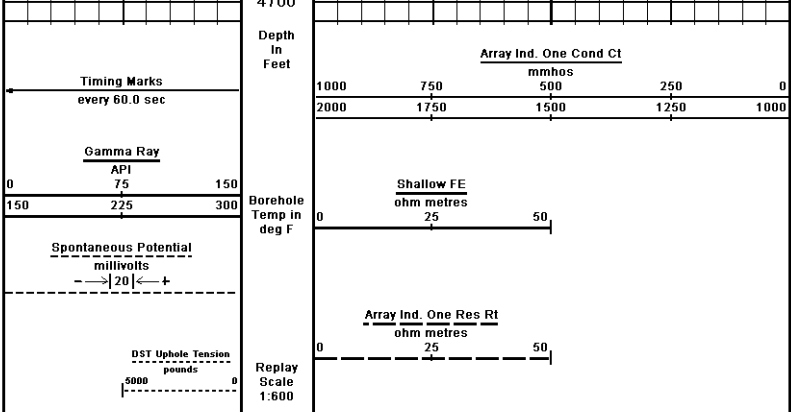
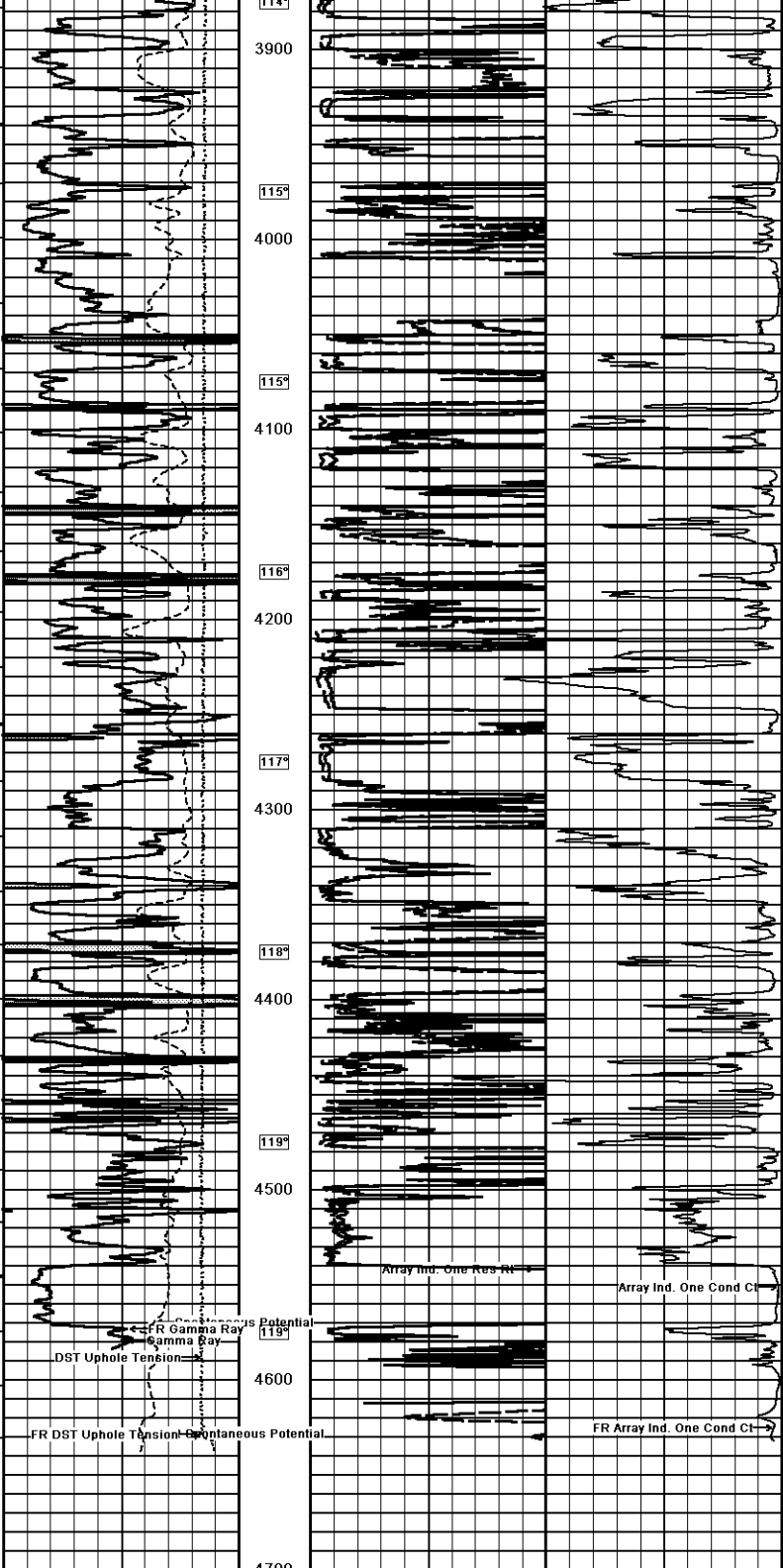
1 INCH MAIN
 Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 28-SEP-2012 22:33
 Filename: C:\Minimus 13.02.6600\data\Shakespeare Parsons #2.1\Shakespeare Parsons #2-27_002.dta
 Recorded on 28-SEP-2012 20:00
 System Versions: Logged with 13.02.6600 Plotted with 13.02.6600












Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 28-SEP-2012 22:33
 Filename: C:\Minimus 13.02.6600\Data\Shakespeare Parsons #2.\Shakespeare Parsons #2-27_002.dta
 Recorded on 28-SEP-2012 20:00
 System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

1 INCH MAIN

COMPANY SHAKESPEARE OIL CO. INC

COMPANY SHARESPLAKE OIL CO., INC.
WELL PARSONS #2-27
FIELD WILDCAT
PROVINCE/COUNTY GOVE
COUNTRY/STATE U.S.A. / KANSAS

Elevation Kelly Bushing	2848.00	feet	First Reading	4626.00	feet
Elevation Drill Floor	2846.00	feet	Depth Driller	4630.00	feet
Elevation Ground Level	2838.00	feet	Depth Logger	4629.00	feet

 ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG