



Weatherford[®]

**ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG**

COMPANY **SHAKESPEARE OIL COMPANY, INC.**
WELL **FOSTER #1-17**
FIELD **WILDCAT**
PROVINCE/COUNTY **LOGAN**
COUNTRY/STATE **U.S.A. / KANSAS**
LOCATION **800' FNL & 2289' FEL**

SEC **TWP** **RGE** **Other Services**
17 **14S** **32W** **MPD/MDN** **MSS**
API Number **15-109-21092** **MML**

Permanant Datum GL, Elevation 2773 feet
Log Measured From **KB** Elevations: **KB** **2783.00**
Drilling Measured From **KB** **DF** **2781.00**
GL **2773.00**

Date	14-AUG-2012	
Run Number	ONE	
Depth Driller	4550.00	feet
Depth Logger	4543.00	feet
First Reading	4540.00	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	9.20 lb/USg	57.00 CP
PH / Fluid Loss	10.00	9.20 ml/30Min
Sample Source	MUDPIT	
Rm @ Measured Temp	0.63 @ 71.0	ohm-m
Rmf @ Measured Temp	0.50 @ 71.0	ohm-m
Rmc @ Measured Temp	0.76 @ 71.0	ohm-m
Source Rmf / Rmc	CALC	CALC
Rm @ BHT	0.41 @113.0	ohm-m
Time Since Circulation	5 HOURS	
Max Recorded Temp	113.00	deg F
Equipment Name	COMPACT	
Equipment / Base	13096	LIB
Recorded By	ADAM SILL	
Witnessed By	TIM PRIEST	
S.O. # / JOB #	3534515	LB12-213

BOREHOLE RECORD			Last Edited: 14-AUG-2012 06:53	
Bit Size inches	Depth From feet	Depth To feet		
7.875	225.00	4550.00		
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.

- ANNULAR HOLE VOLUME WITH 5.5 INCH CASING: 260 CU. FT.

- SERVICE ORDER # 3534515.

- RIG: HD DRILLING #2.

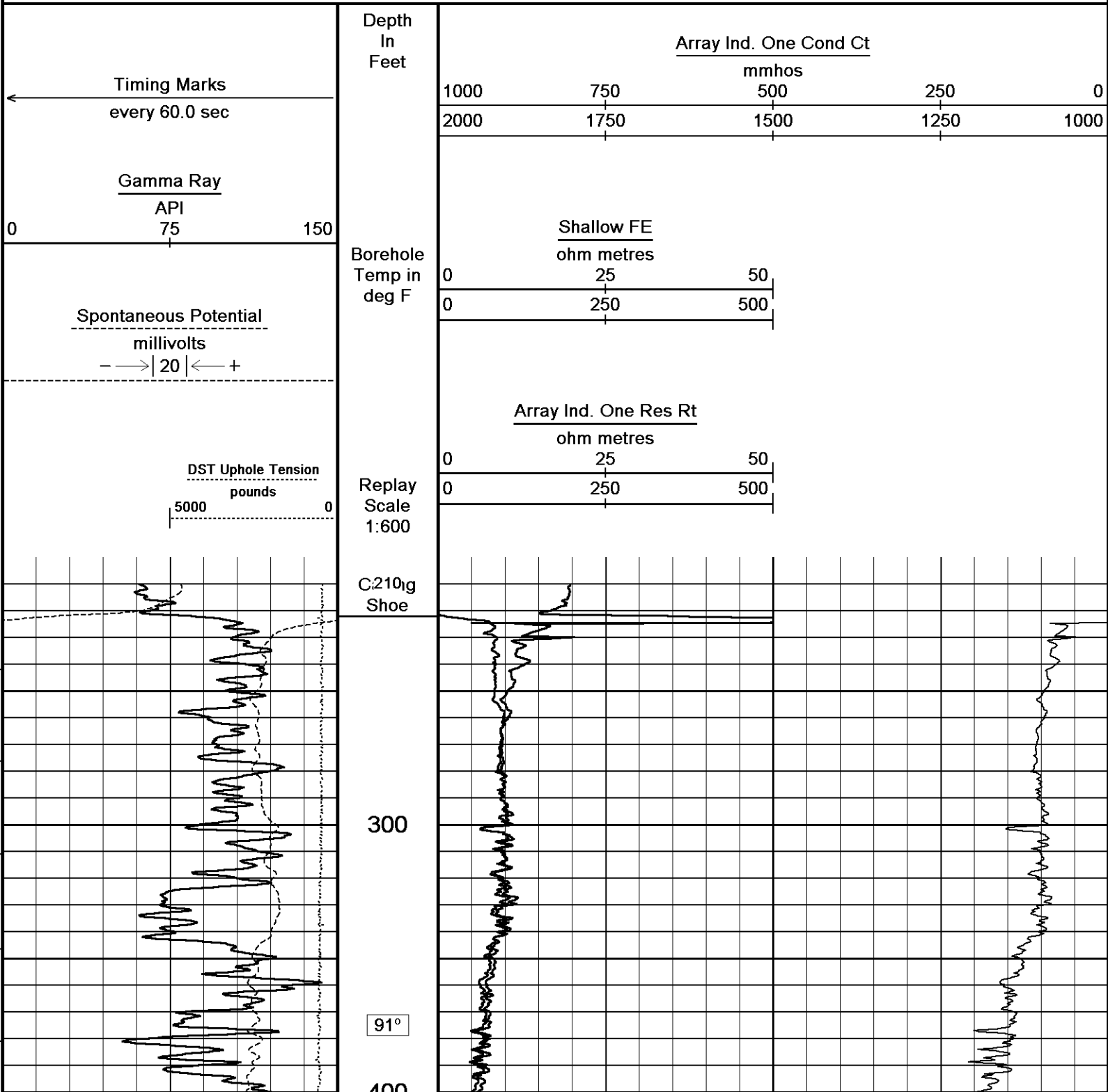
- ENGINEER: A. SILL.

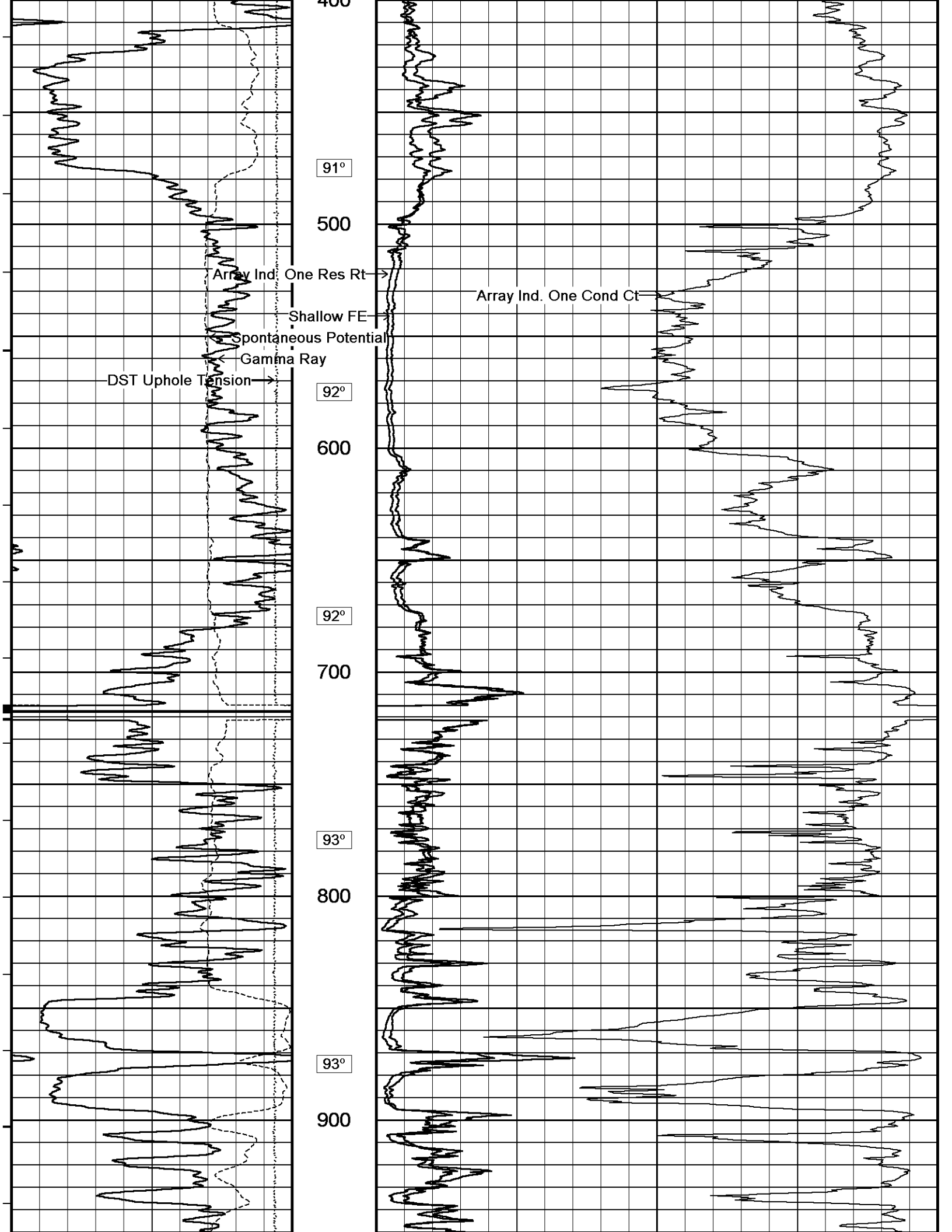
- OPERATOR(S): M. STEGMAN.

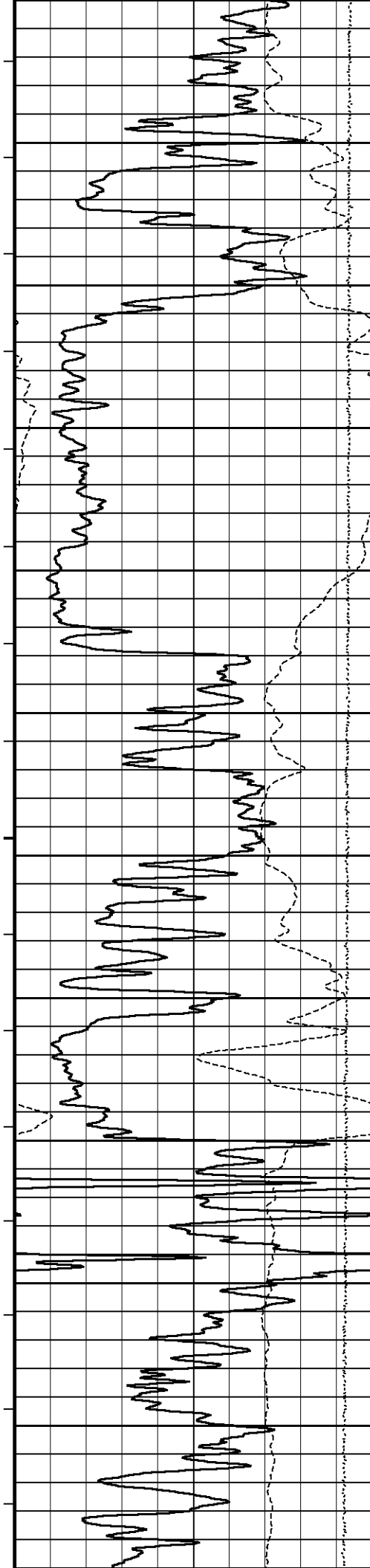
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, 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 14-AUG-2012 12:29
 Filename: C:\Minimus 13.02.6600\Data\Shakespeare Foster #1-17\Shakespeare Foster #1-17_004.dta Recorded on 14-AUG-2012 09:51
 System Versions: Processed with 13.02.6600 Plotted with 13.02.6600







94°

1000

94°

1100

95°

1200

96°

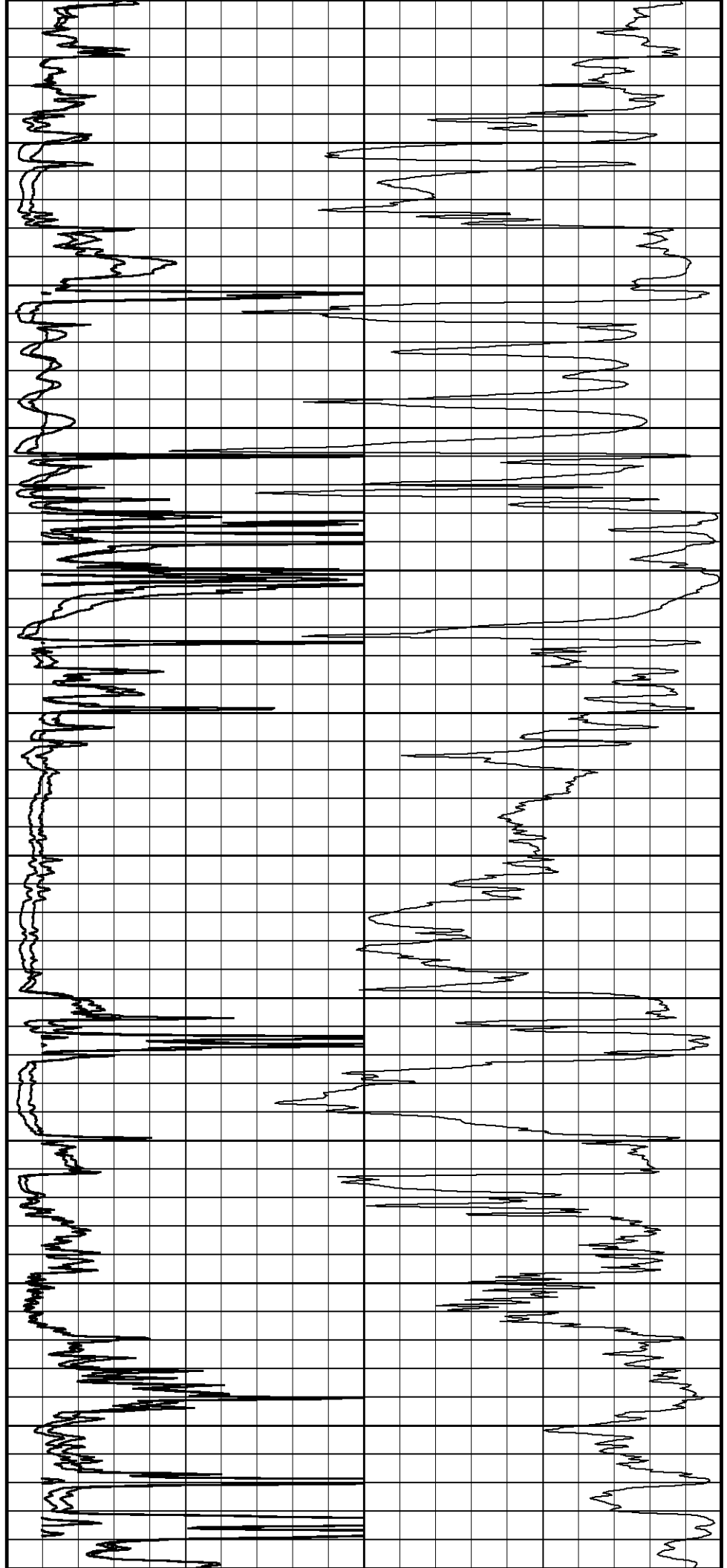
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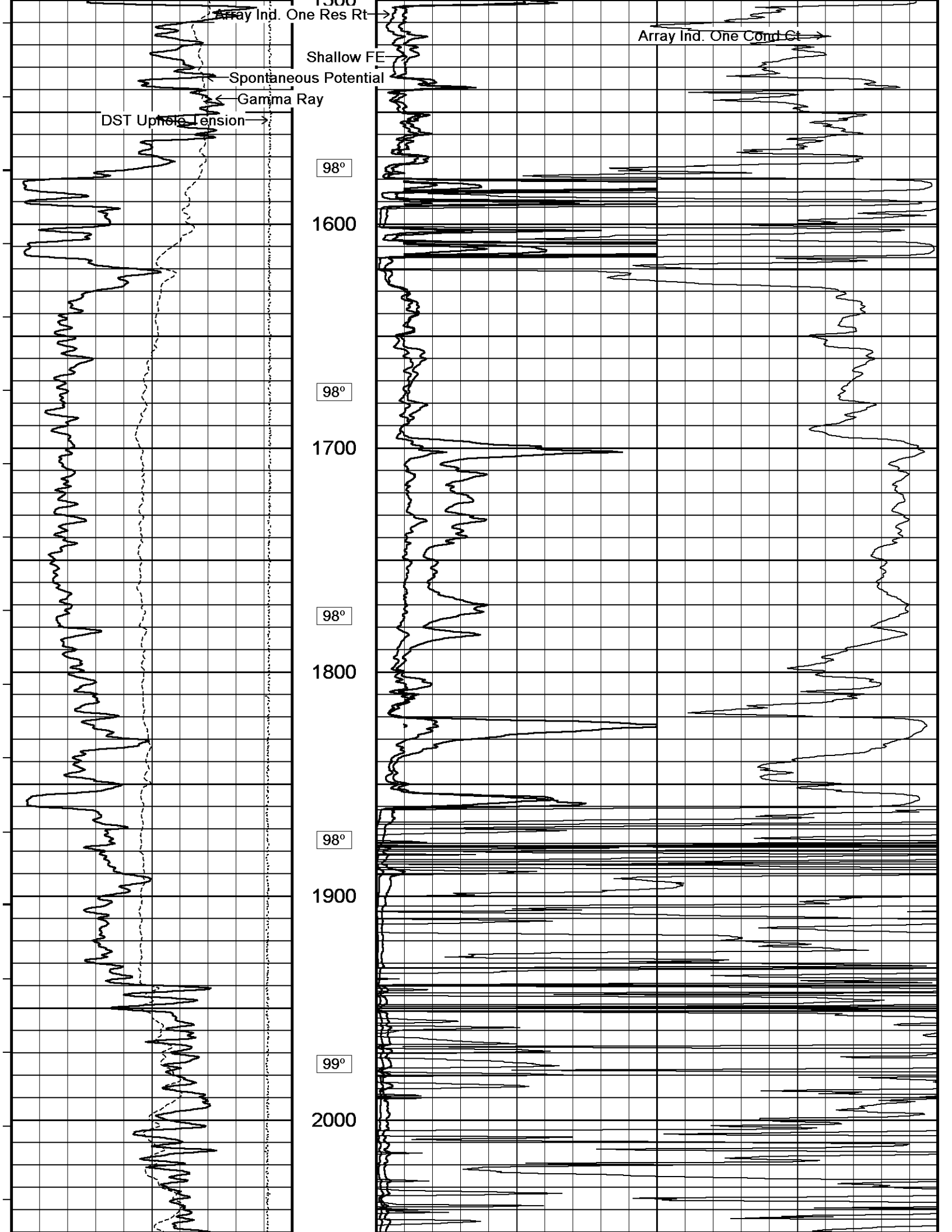
97°

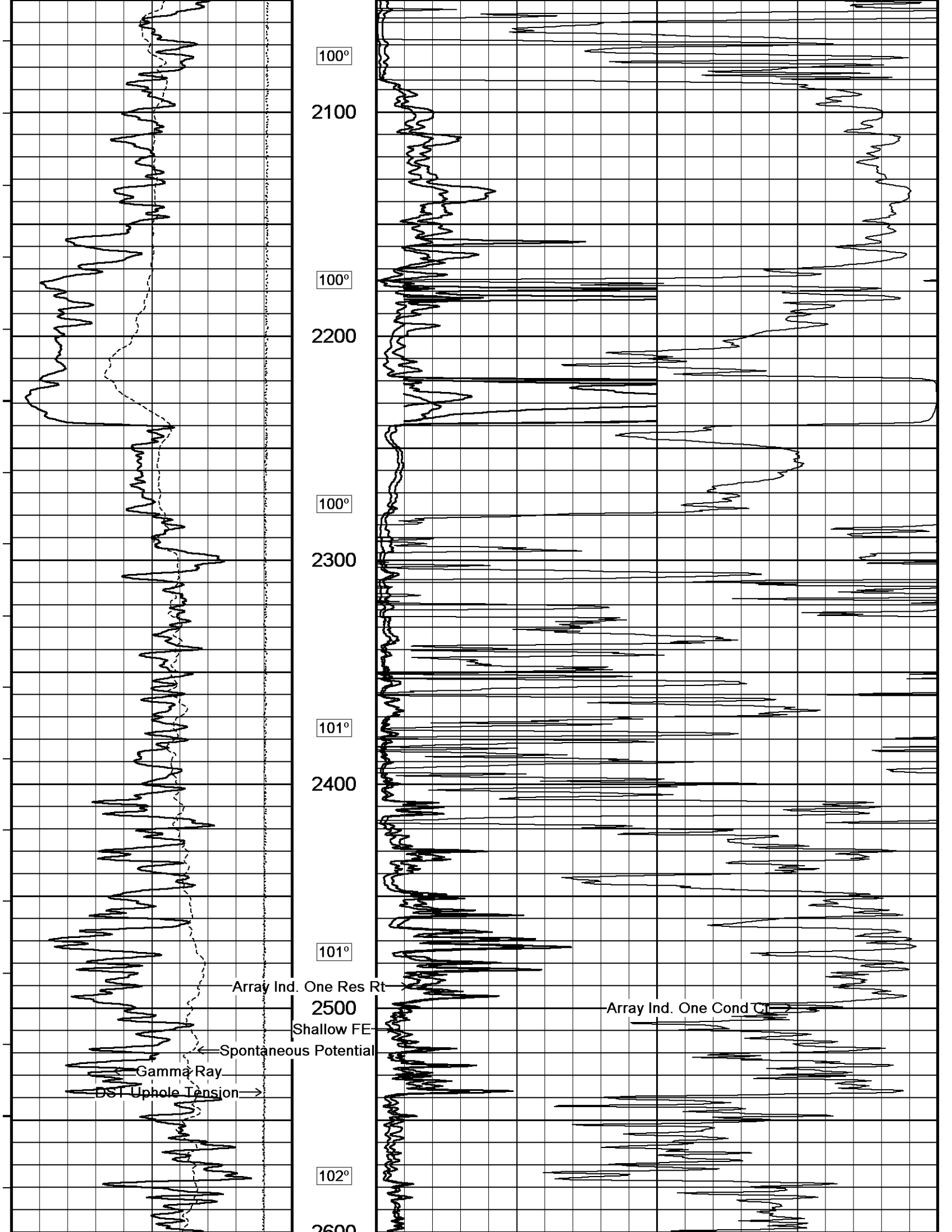
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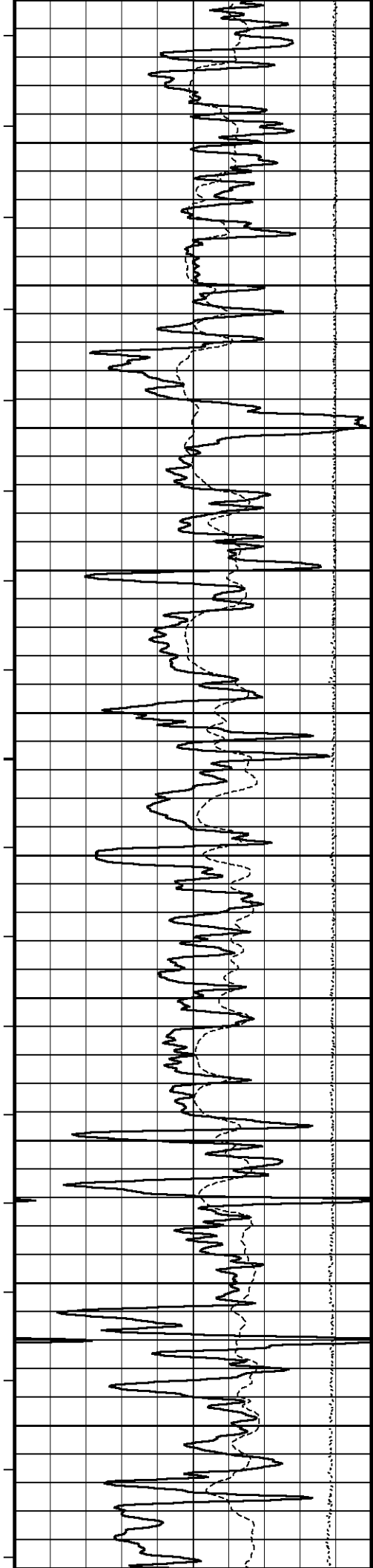
97°

1500









2600

102°

2700

103°

2800

103°

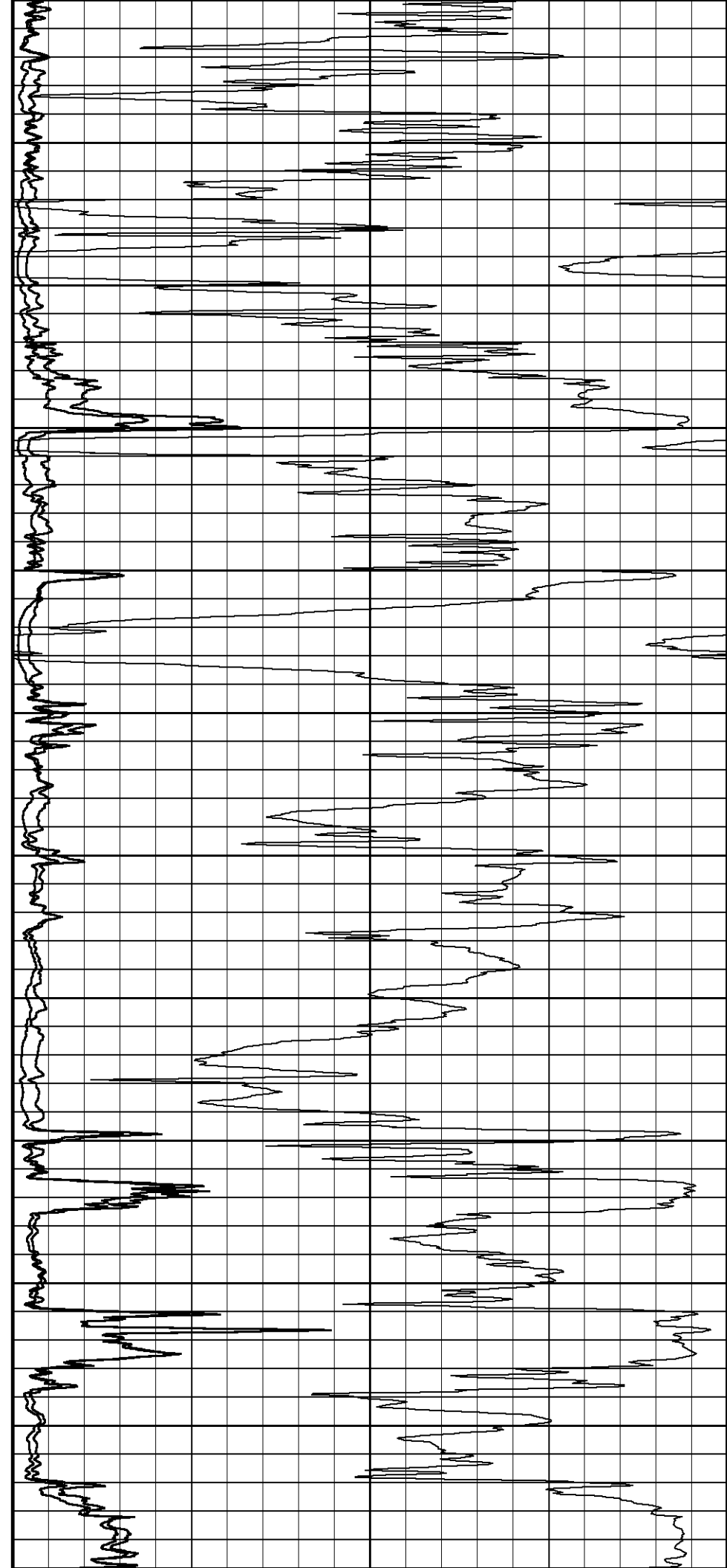
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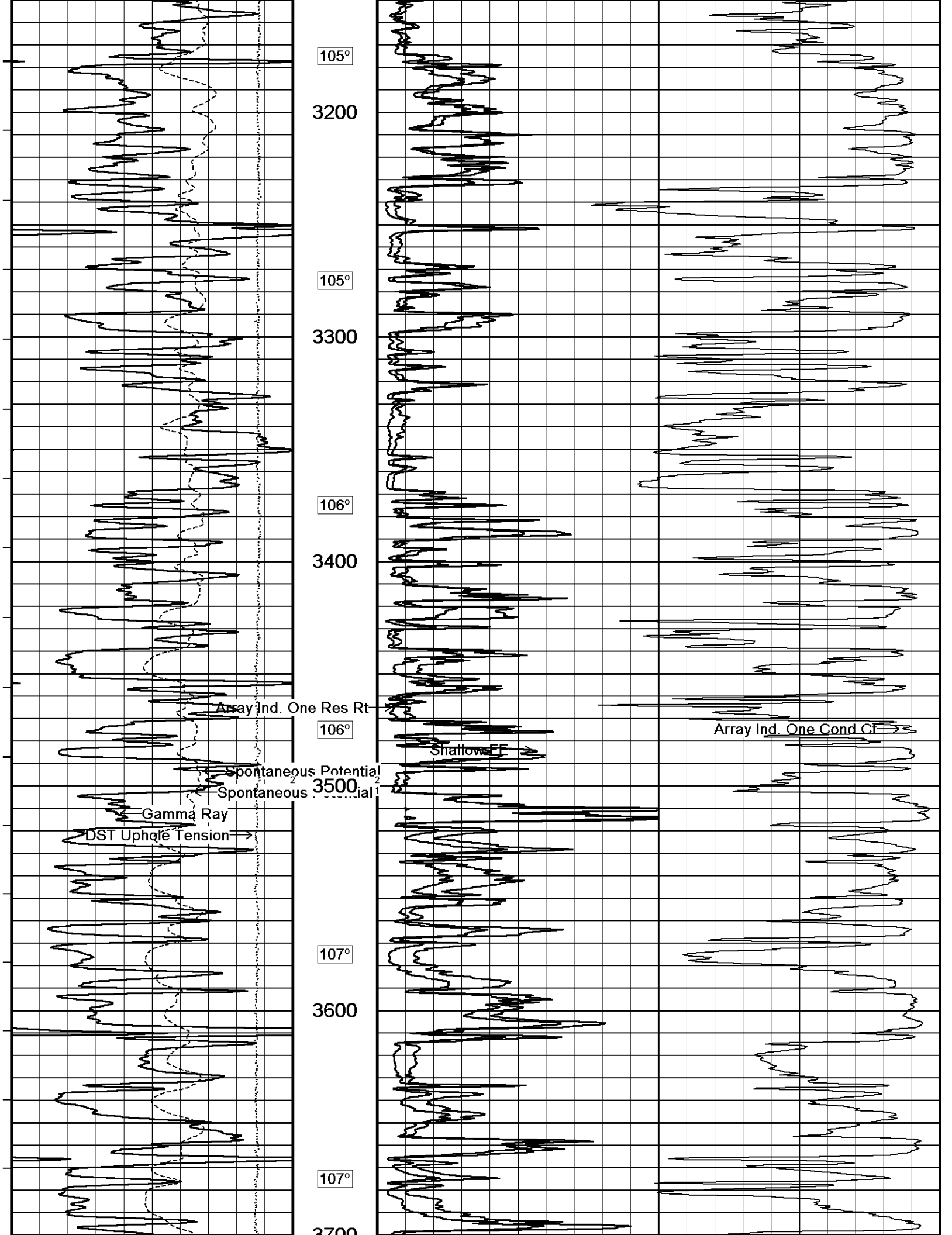
104°

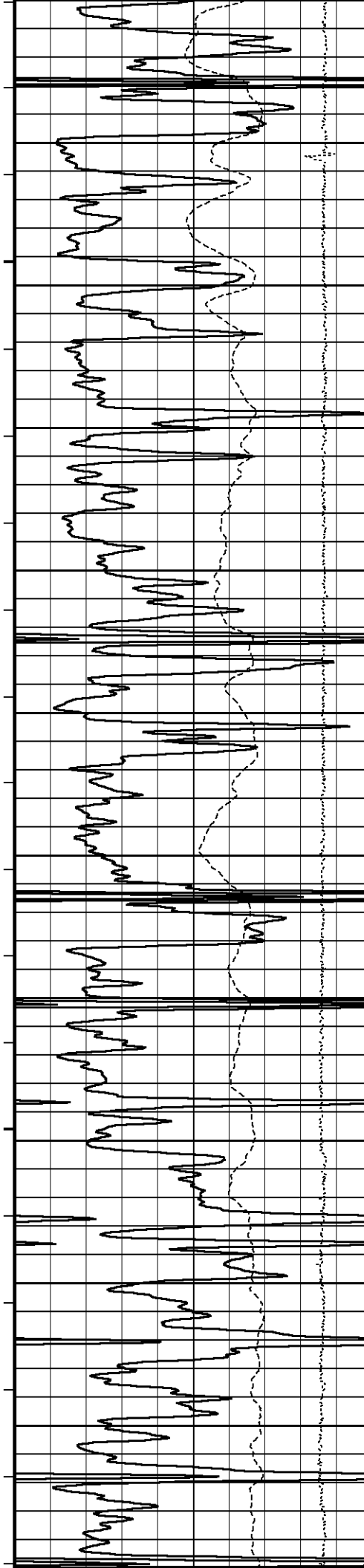
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104°

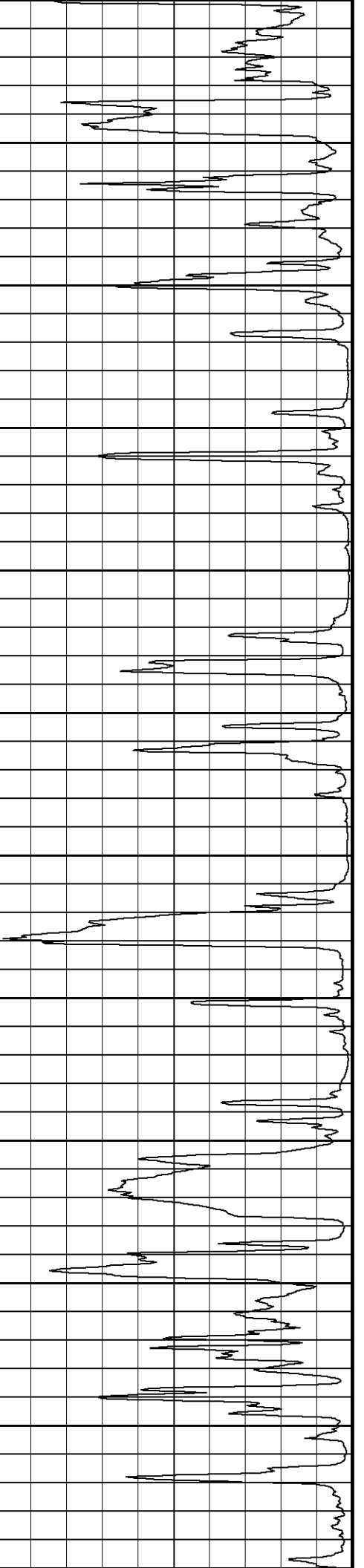
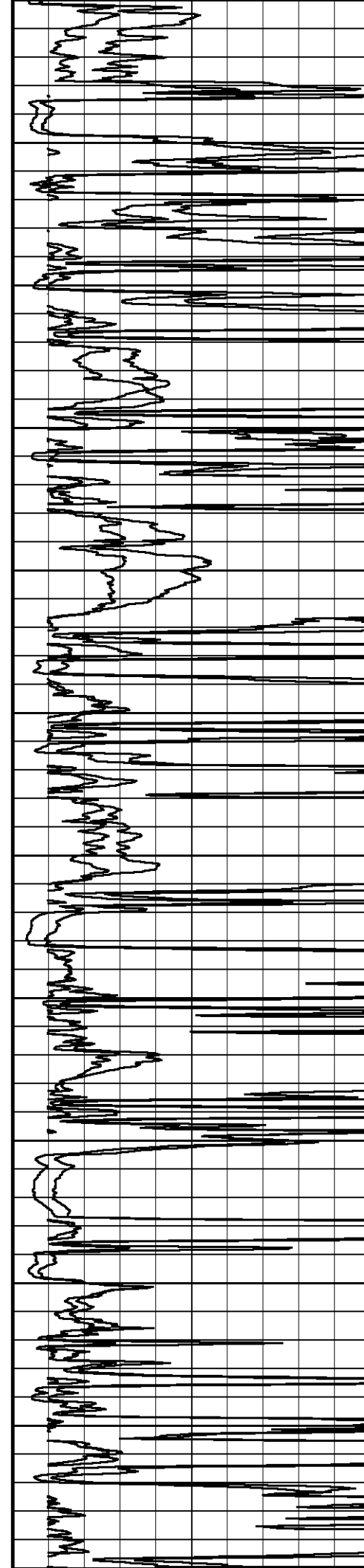
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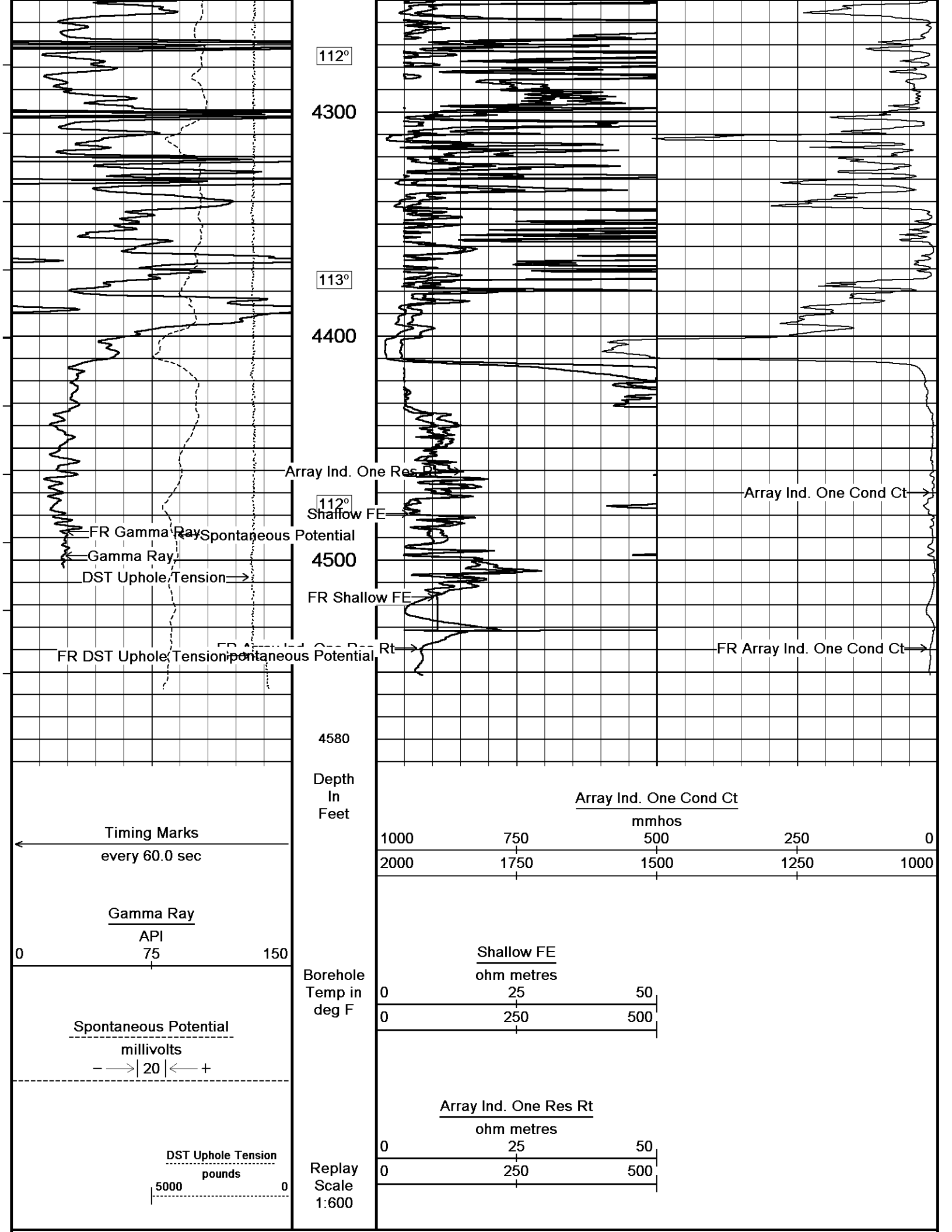






3700
108°
3800
108°
3900
109°
4000
110°
4100
110°
4200





2 INCH MAIN

5 INCH MAIN

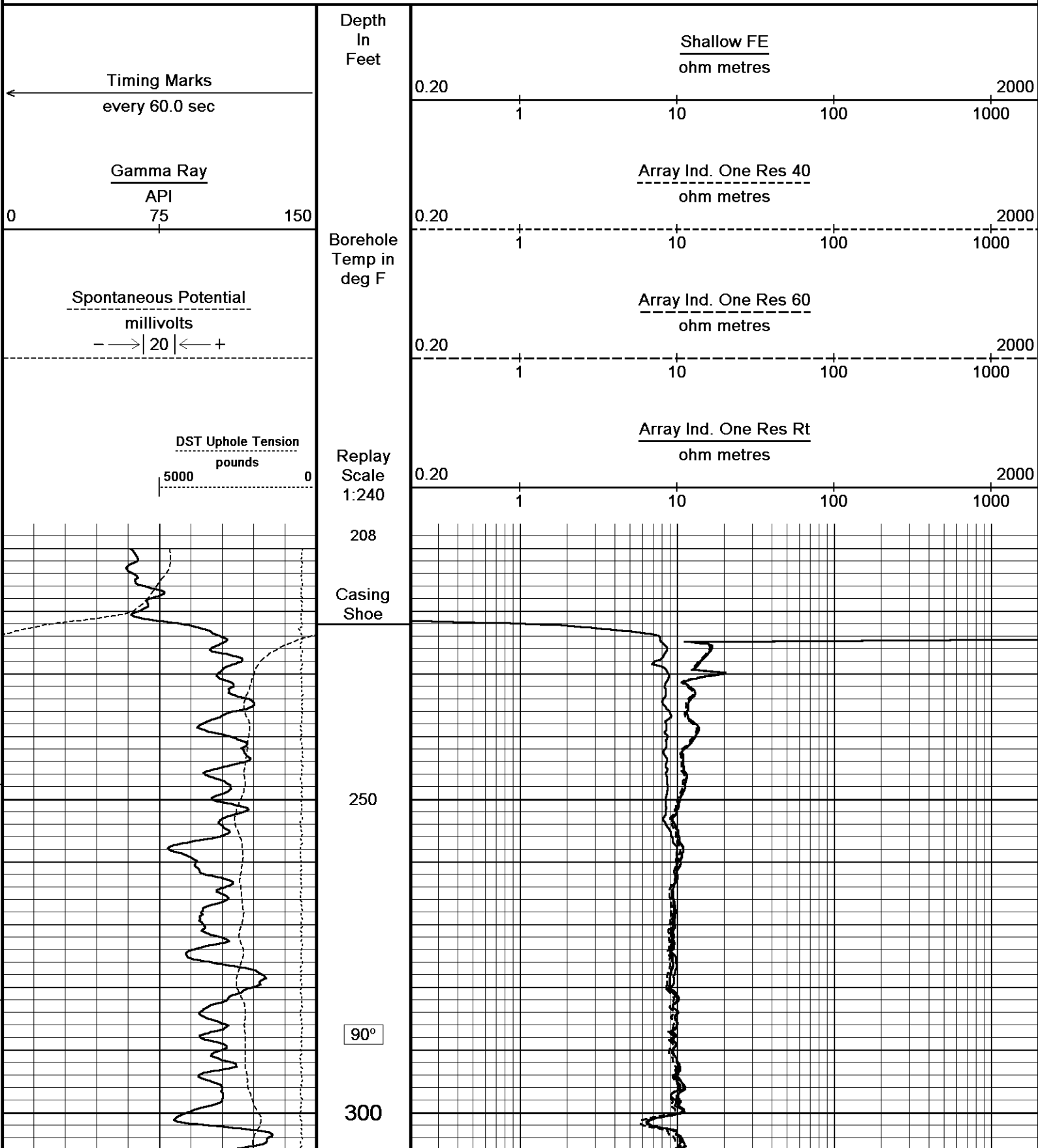
Depth Based Data - Maximum Sampling Increment 10.0cm

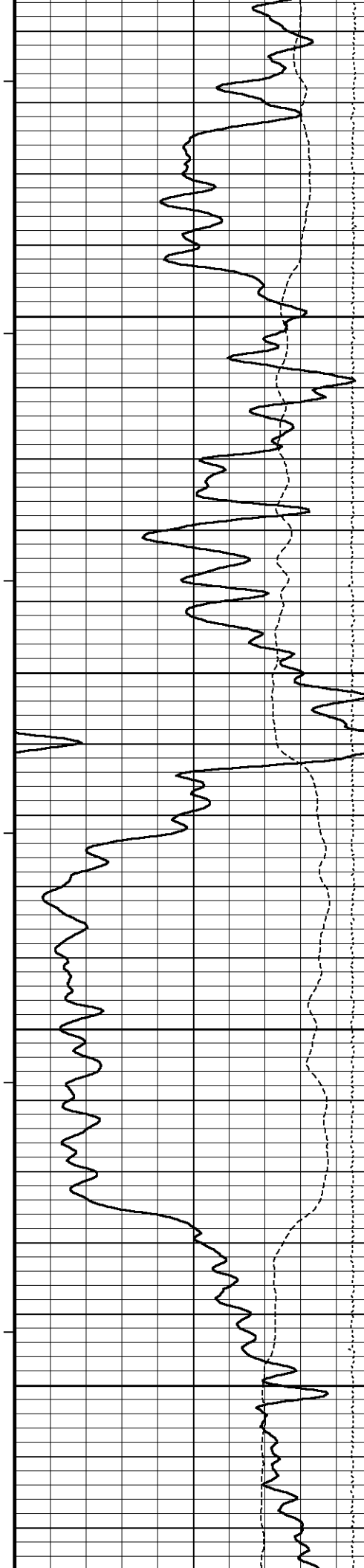
Plotted on 14-AUG-2012 12:29

Filename: C:\Minimus 13.02.6600\Data\Shakespeare Foster #1-17\Shakespeare Foster #1-17_004.dta

Recorded on 14-AUG-2012 09:51

System Versions: Processed with 13.02.6600 Plotted with 13.02.6600





91°

350

91°

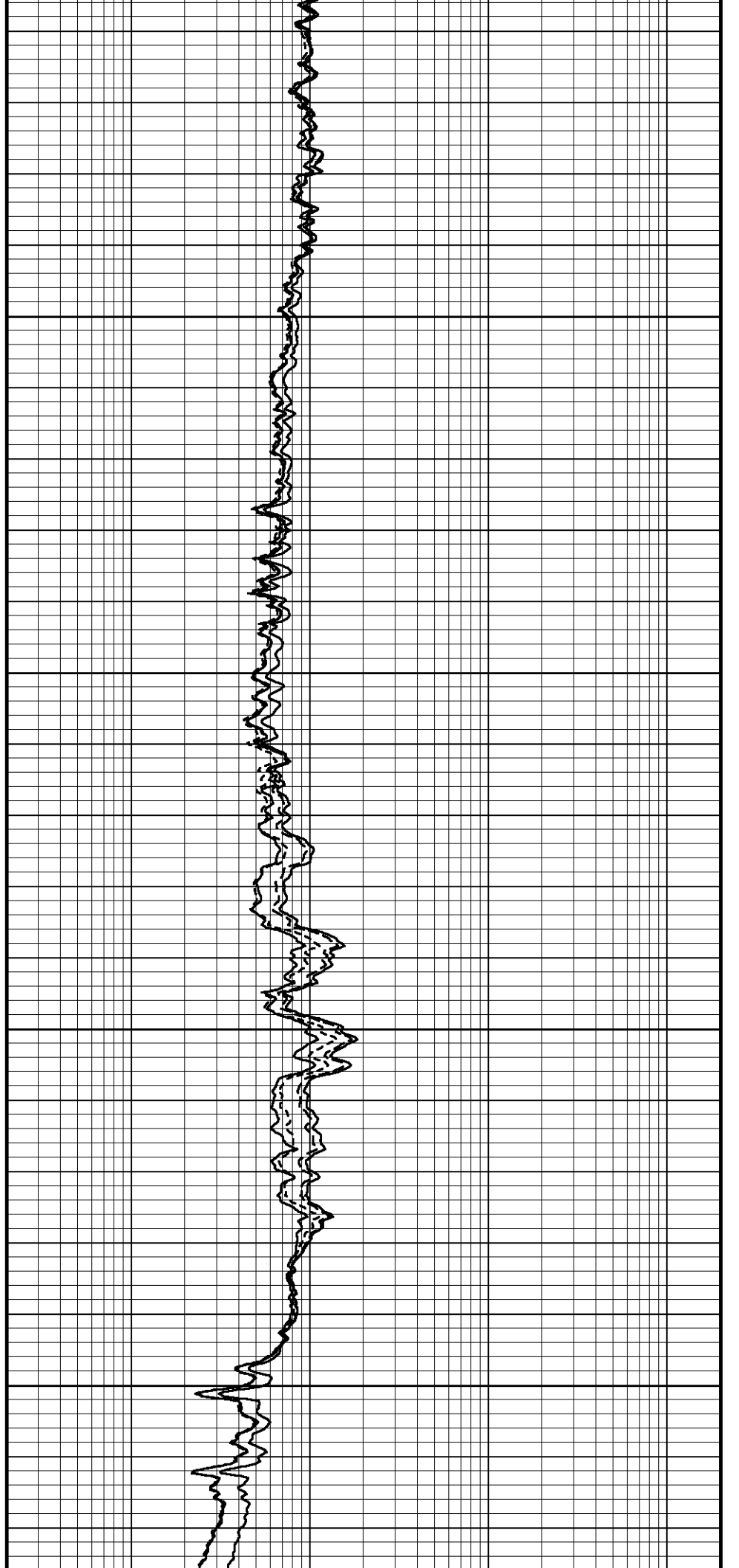
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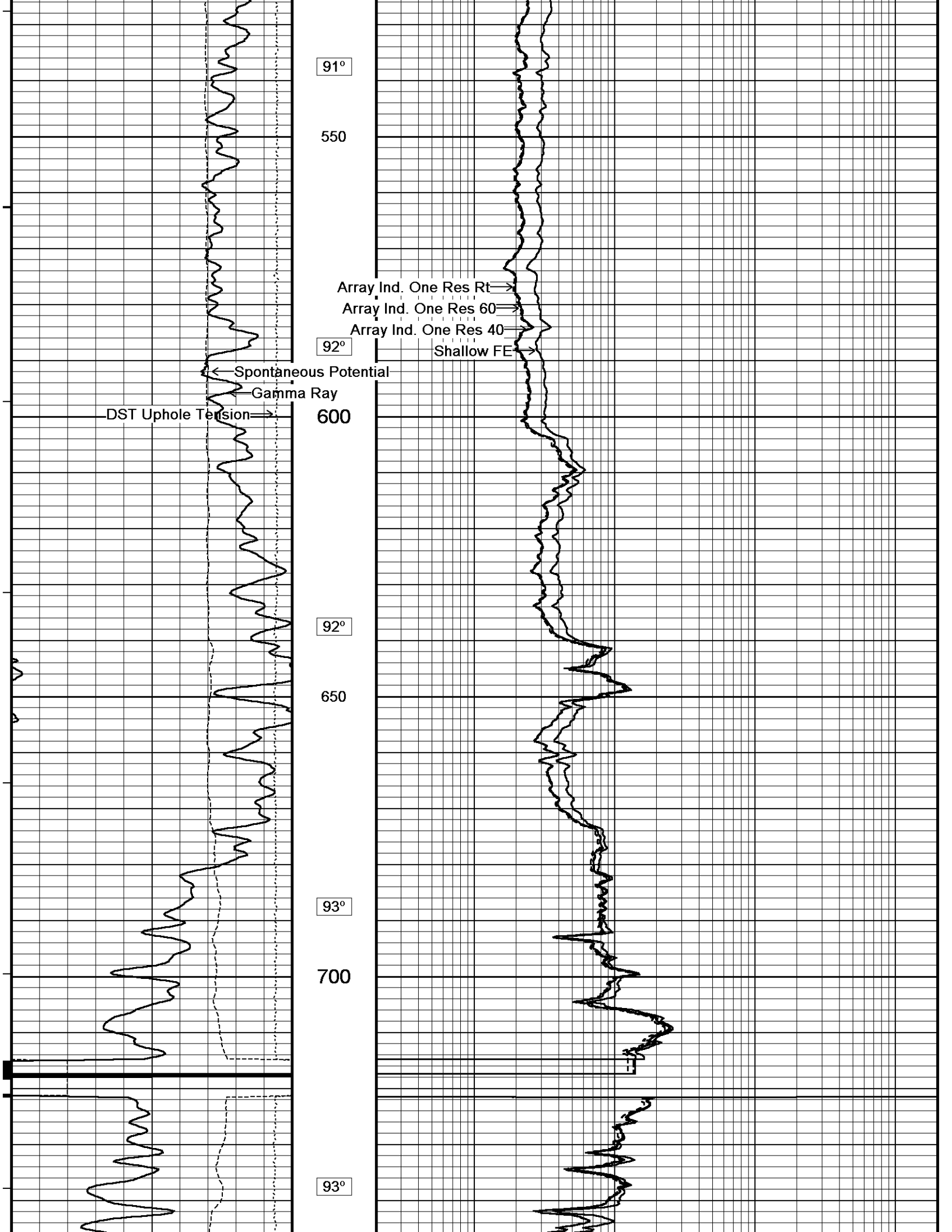
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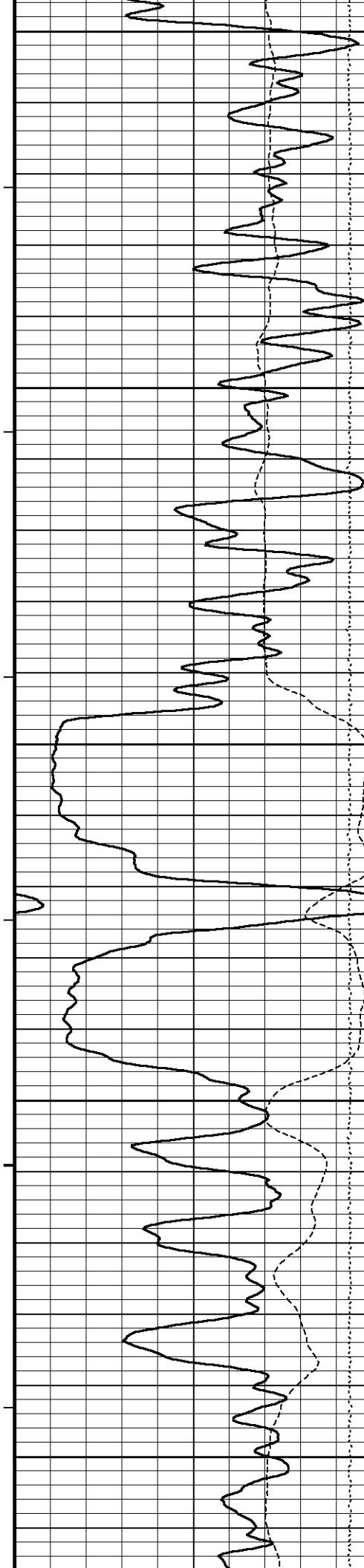
450

91°

500







750

93°

800

93°

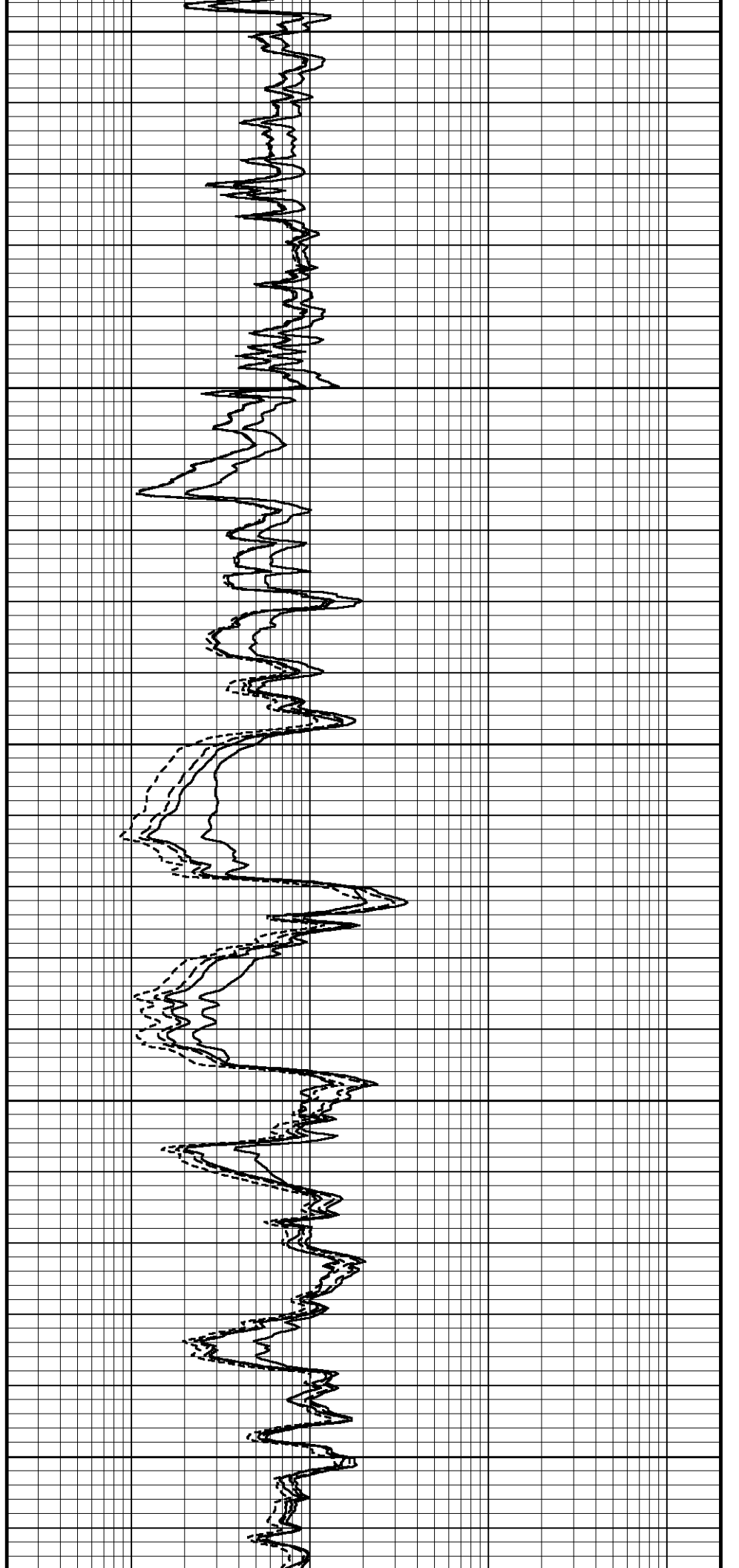
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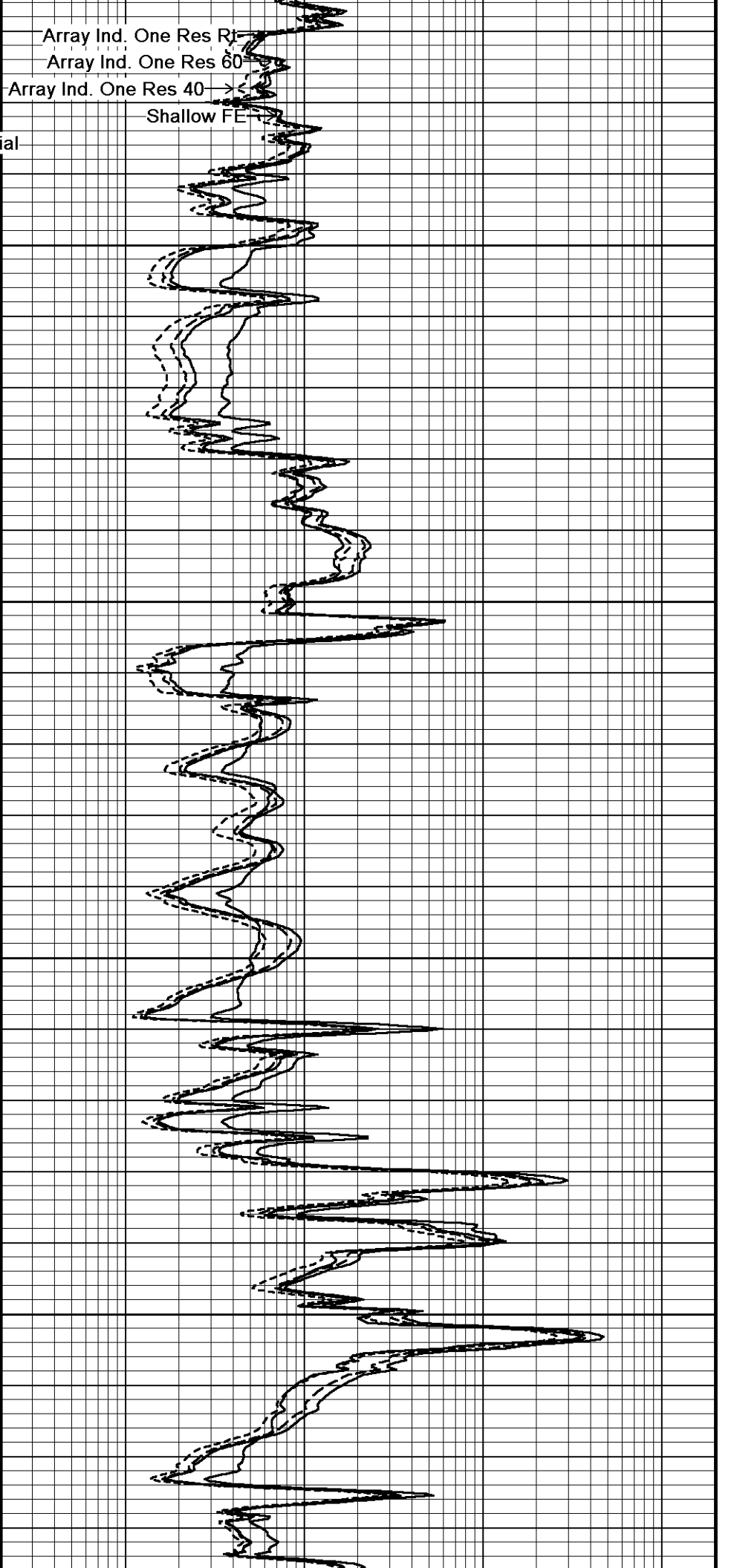
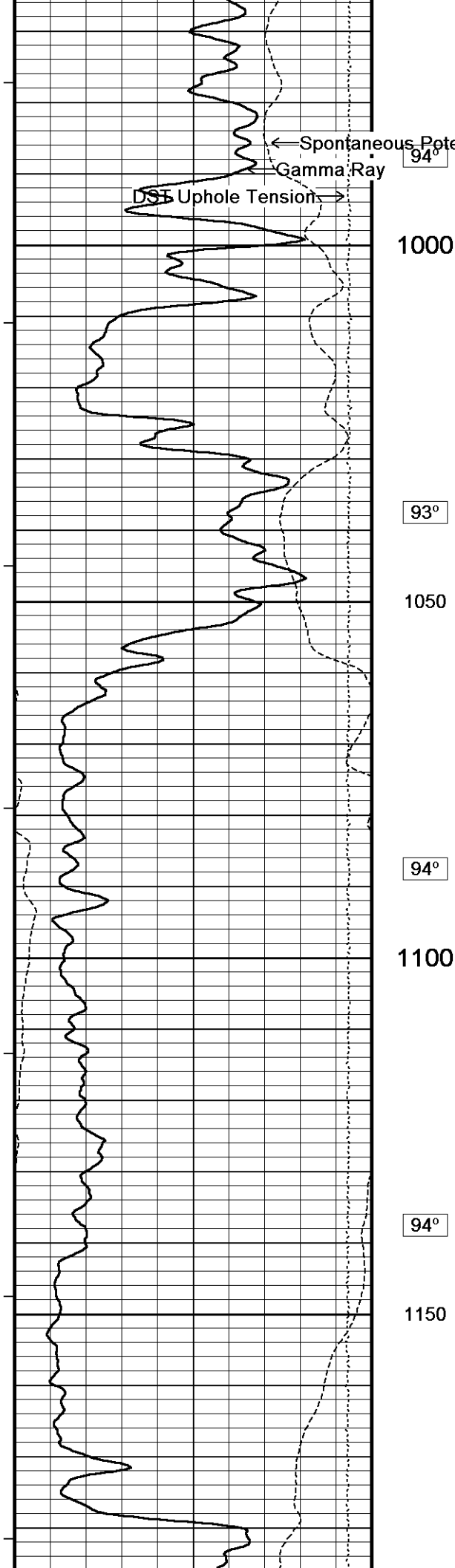
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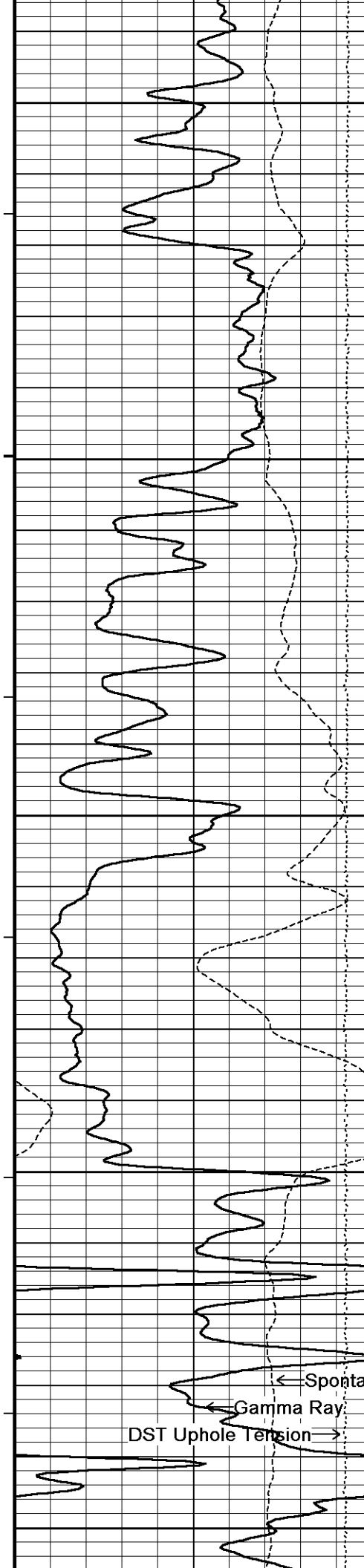
900

93°

950







95°

1200

95°

1250

96°

1300

96°

1350

97°

1400

Array Ind. One Res Rt

Array Ind. One Res 60

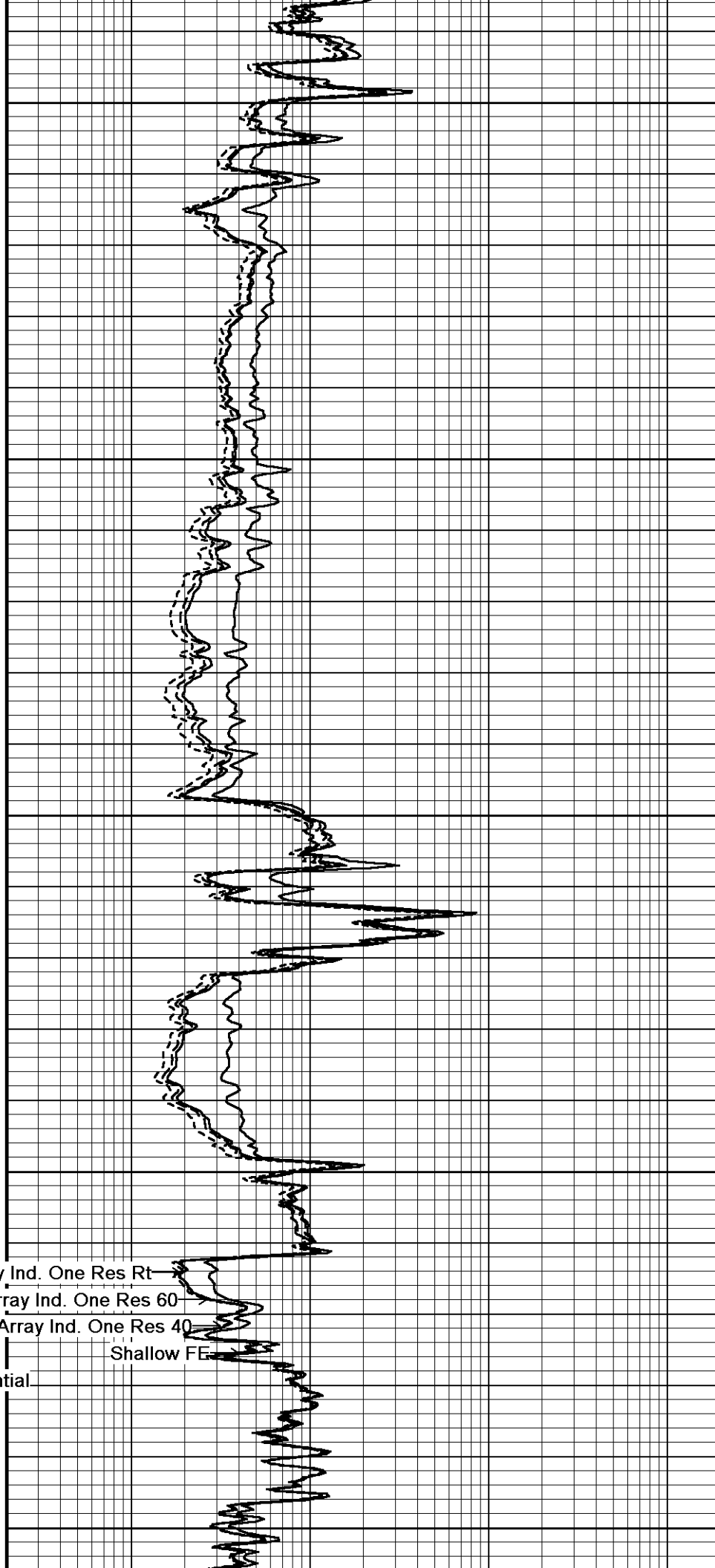
Array Ind. One Res 40

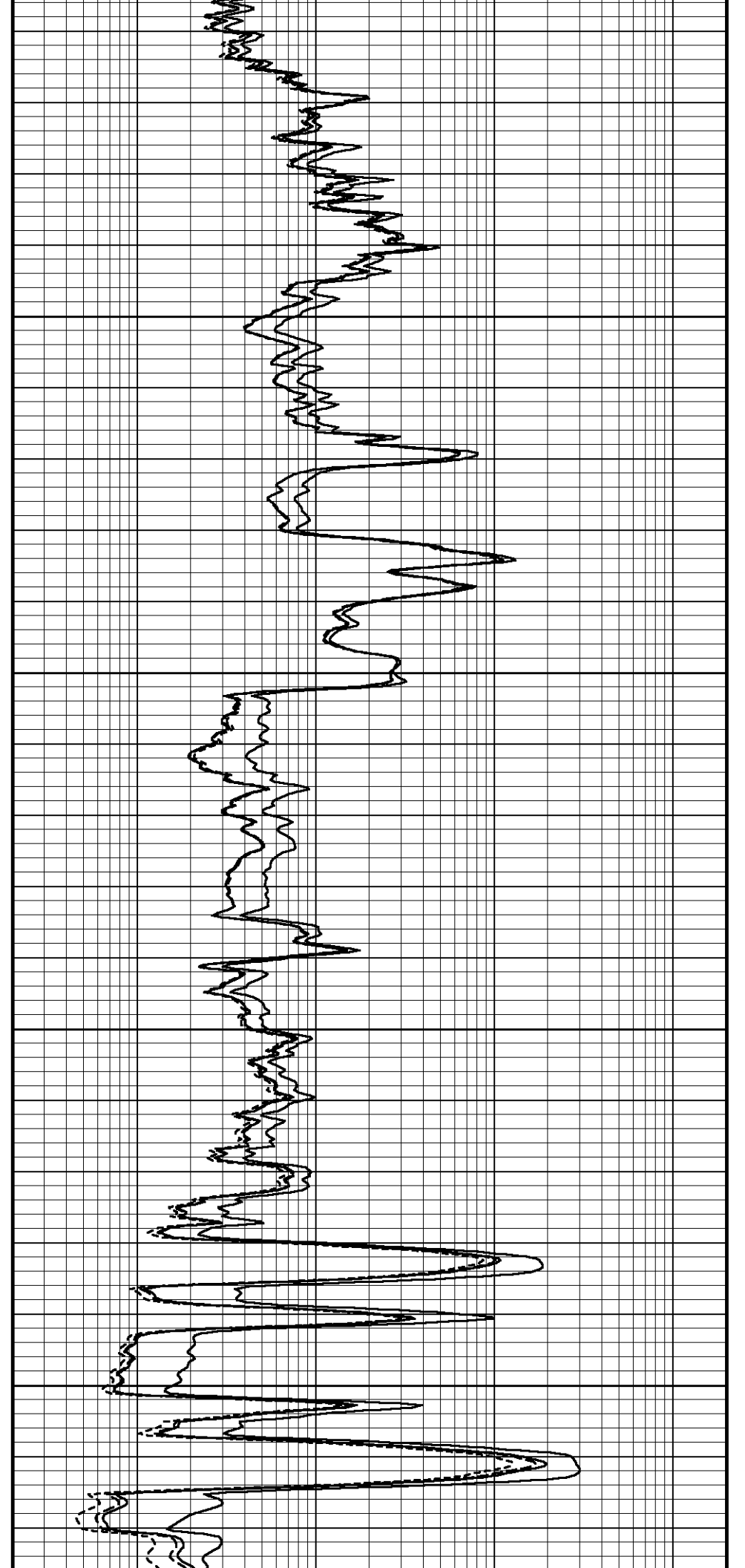
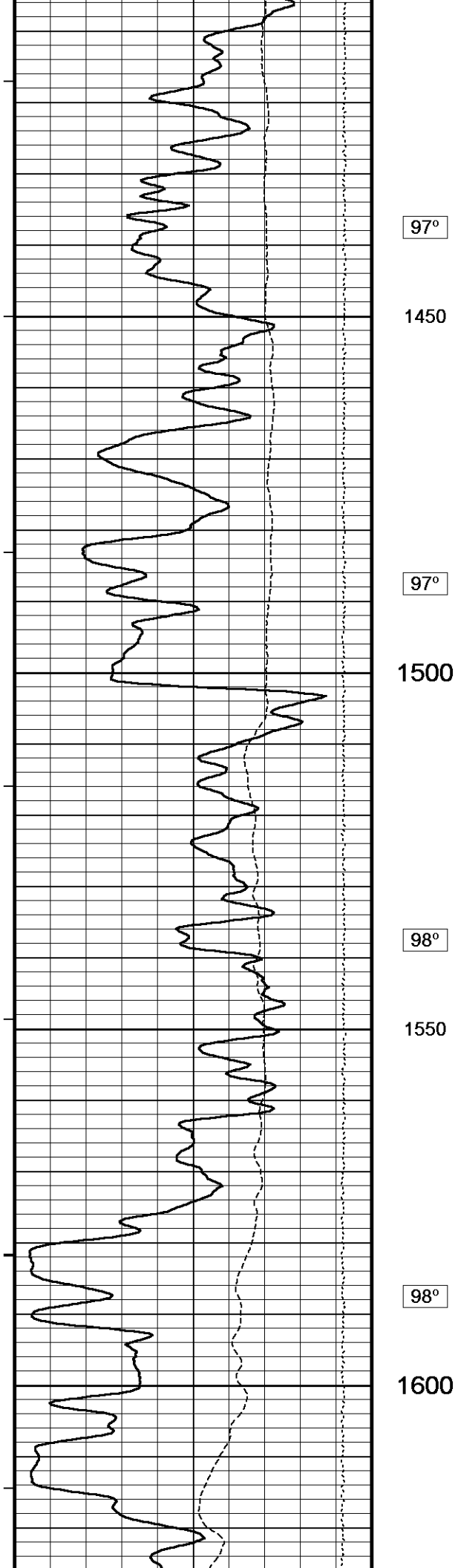
Shallow FE

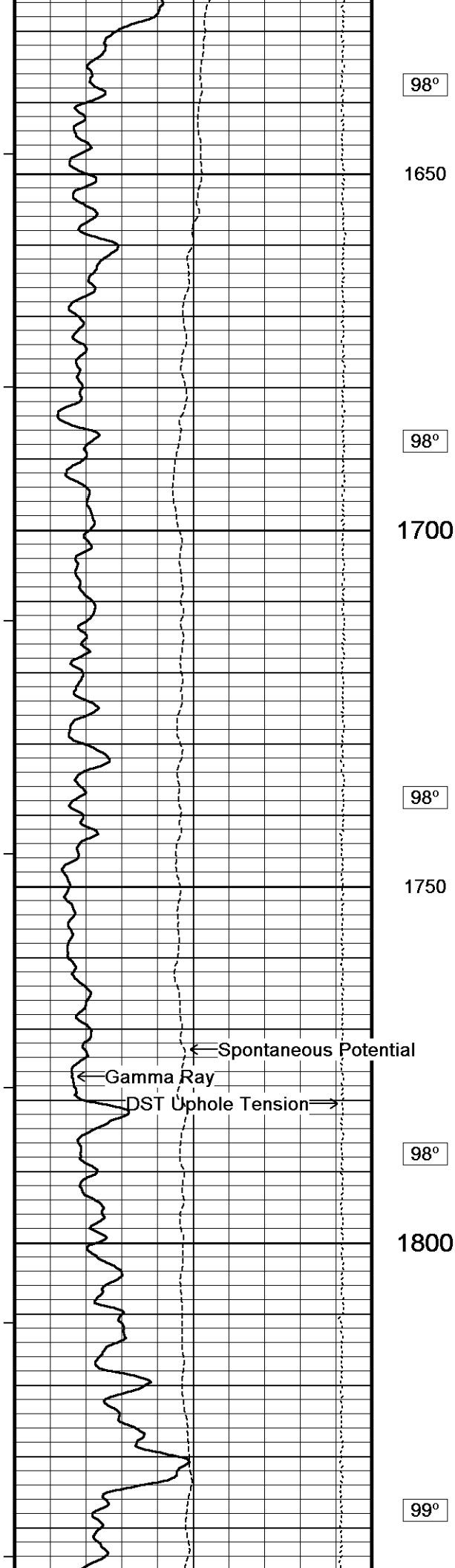
← Spontaneous Potential

Gamma Ray

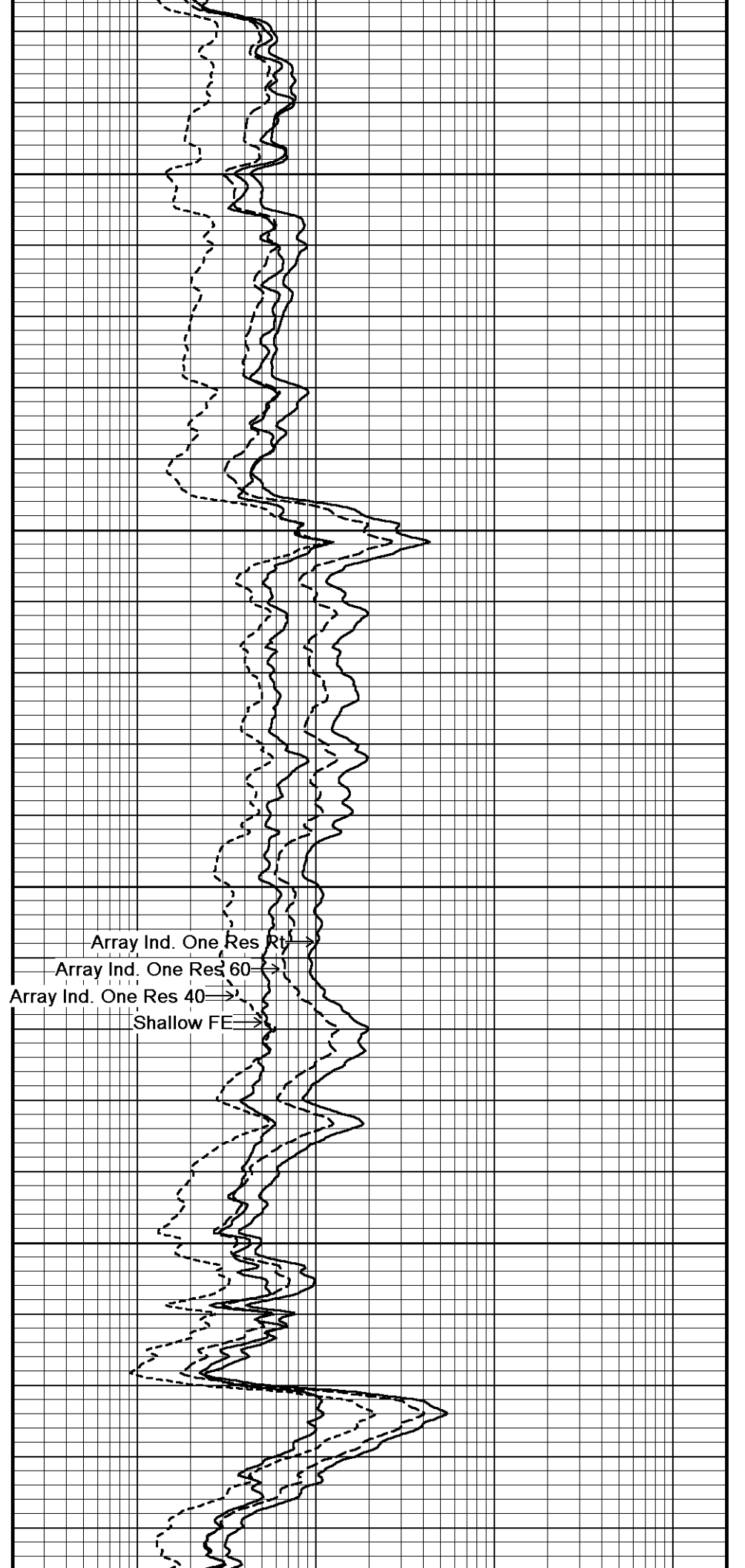
DST Uphole Tension →

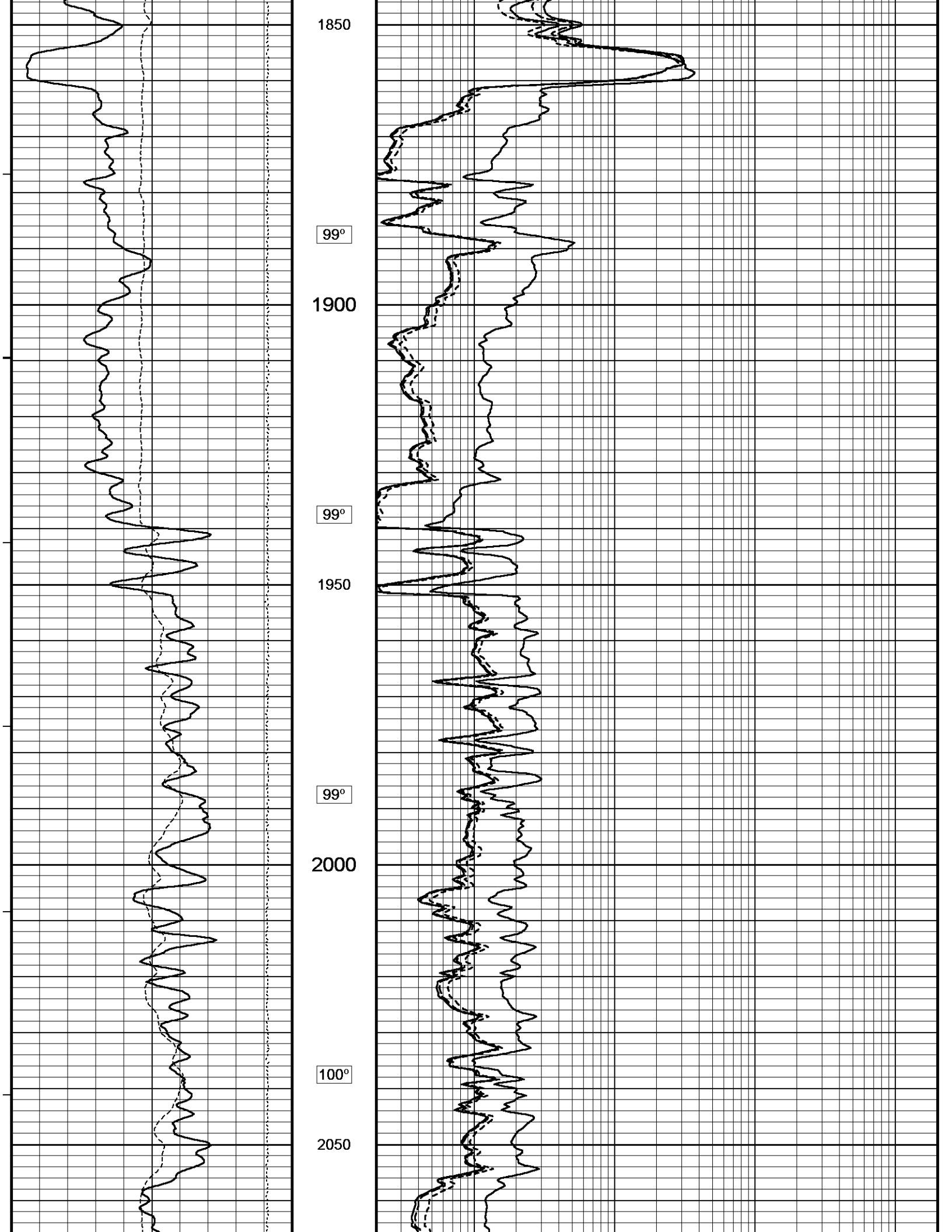


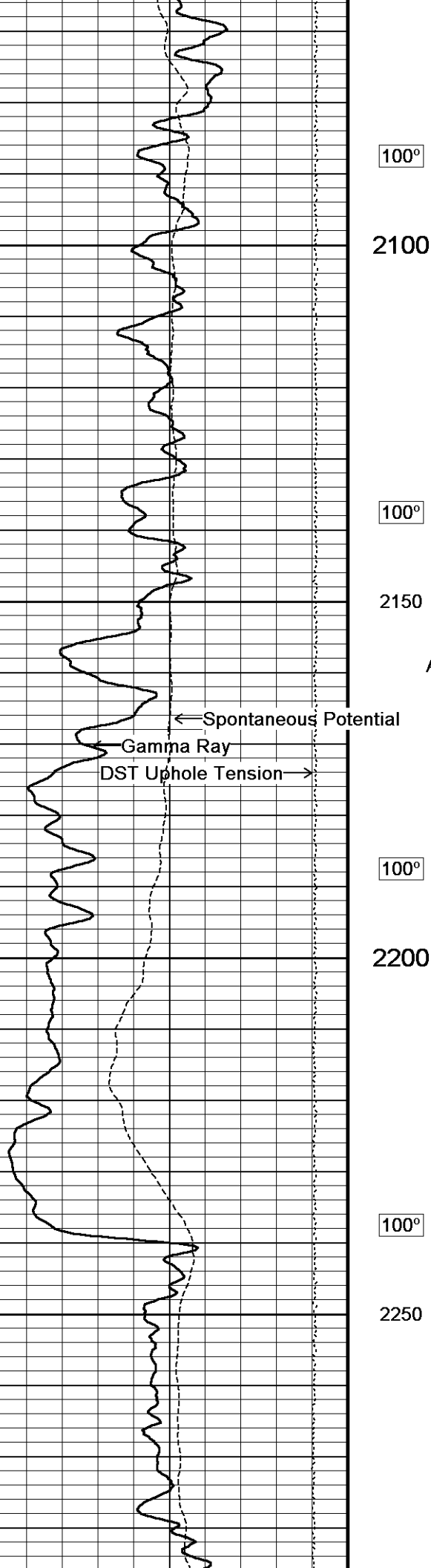




98°
1650
98°
1700
98°
1750
98°
1800
98°
1850







100°

2100

100°

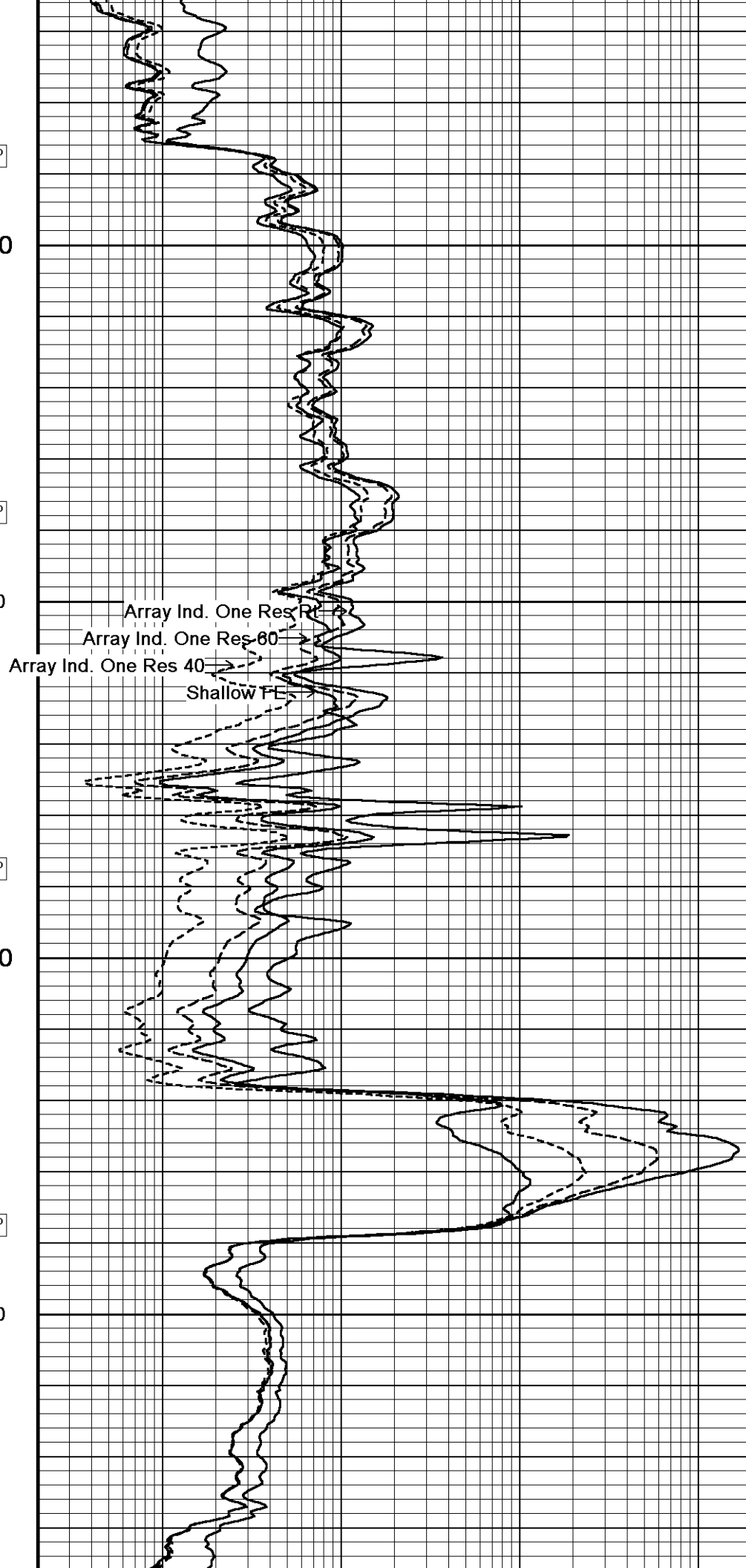
2150

100°

2200

100°

2250

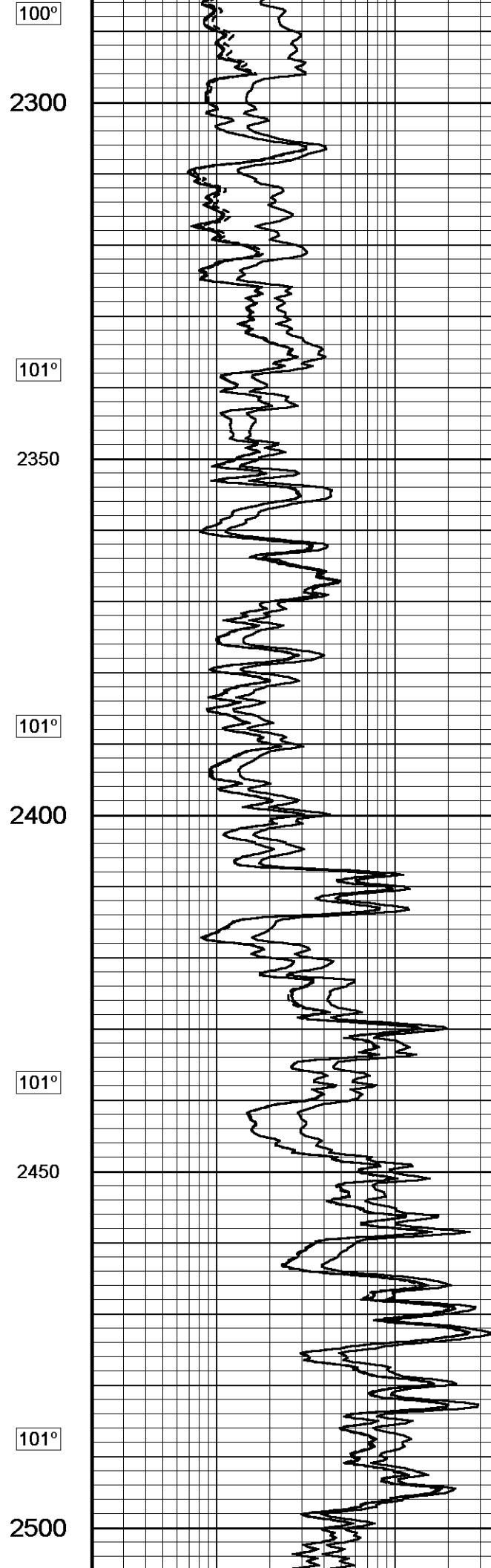
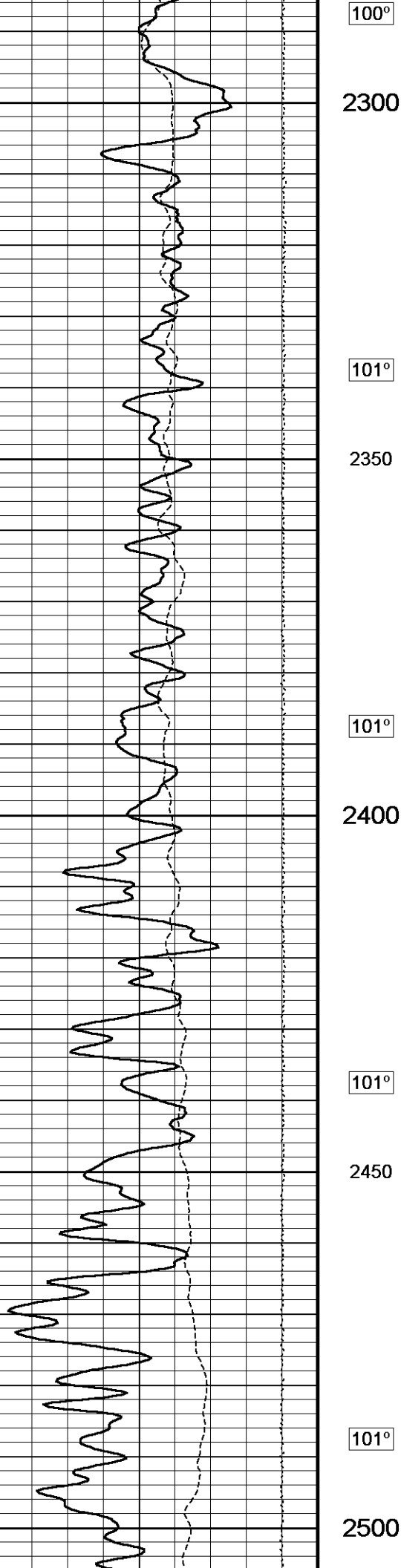


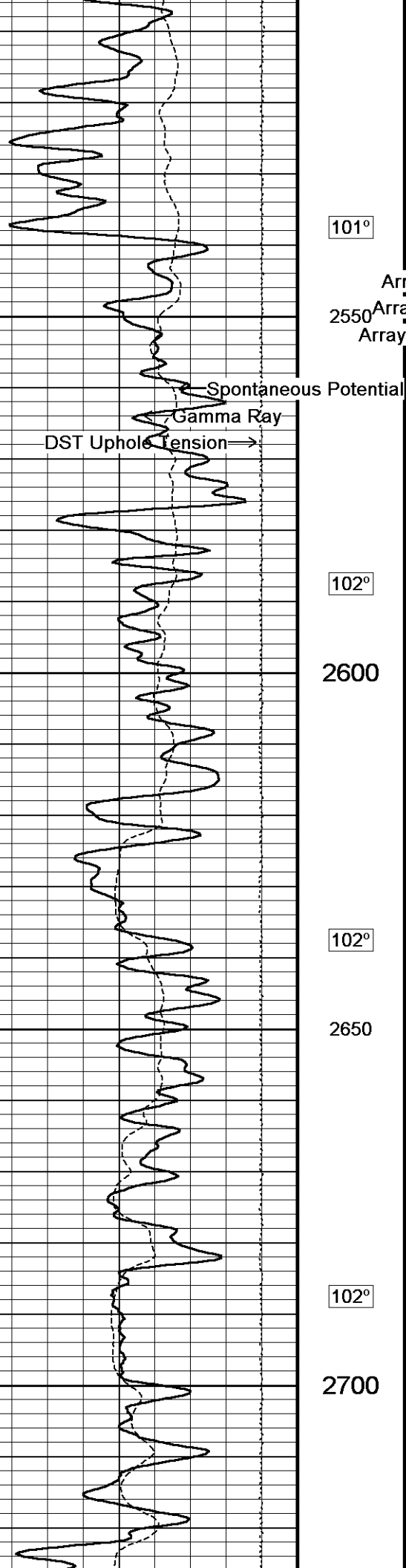
Array Ind. One Res R

Array Ind. One Res 60

Array Ind. One Res 40

Shallow FE





101°

Array Ind. One Res Rt
2550 Array Ind. One Res 60
Array Ind. One Res 40
Shallow FE

Spontaneous Potential

Gamma Ray

DST Uphole Tension

102°

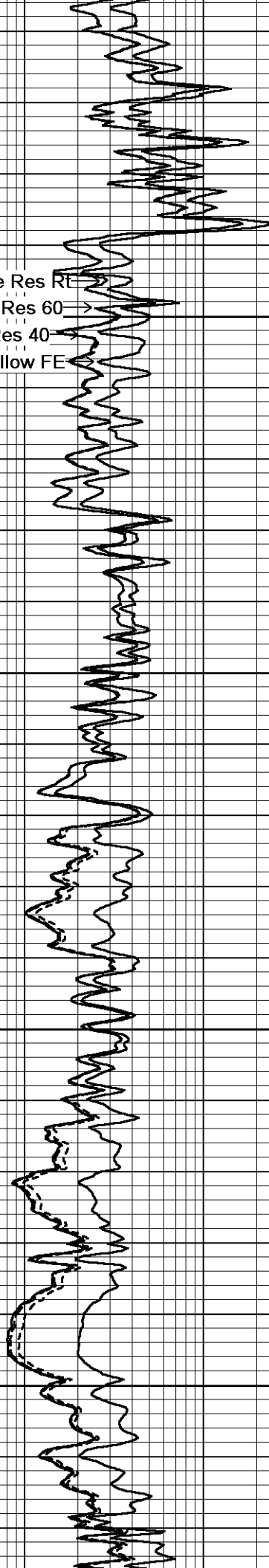
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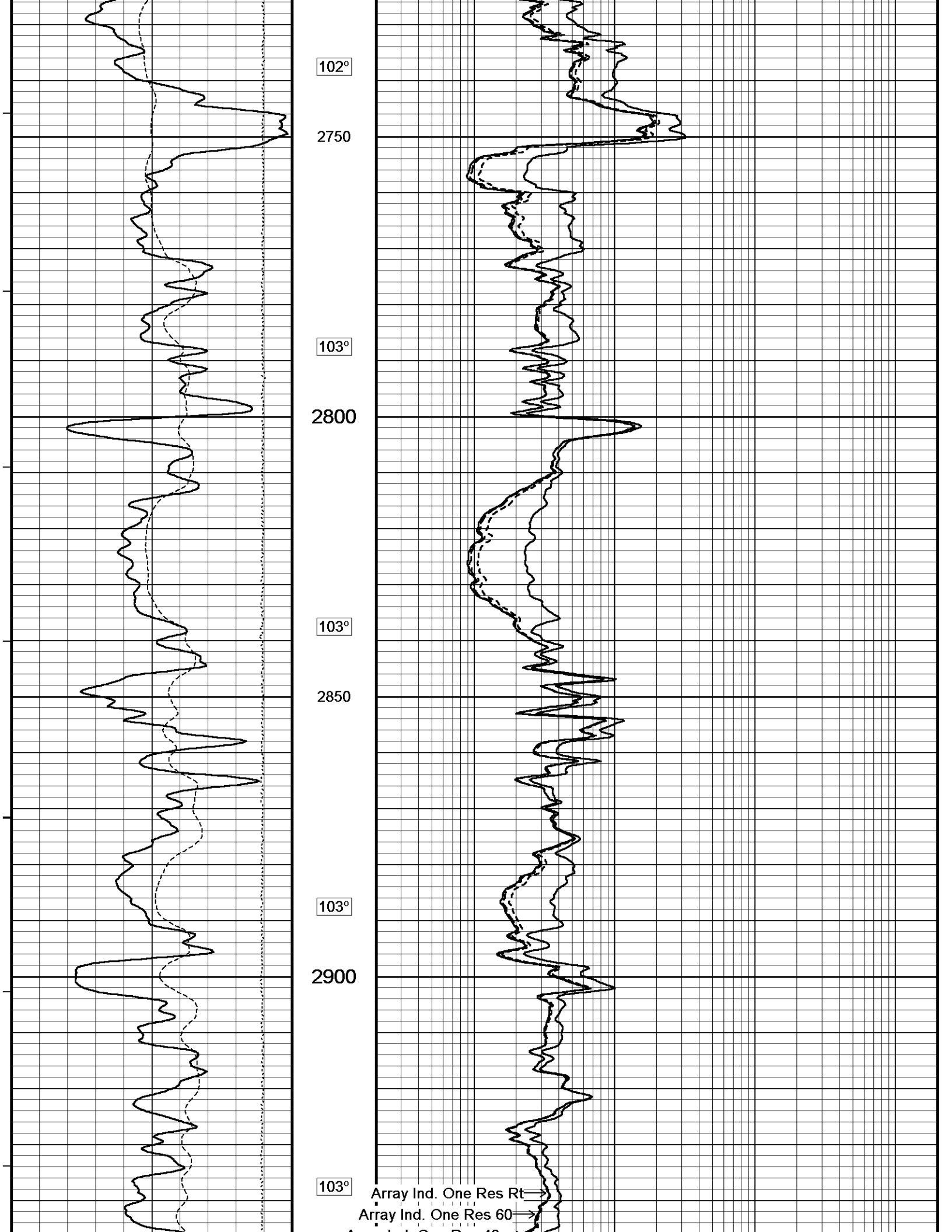
102°

2650

102°

2700





Array Ind. One Res 40

2950

Shallow PE

← Spontaneous Potential

← Gamma Ray

DST Uphole Tension →

104°

3000

104°

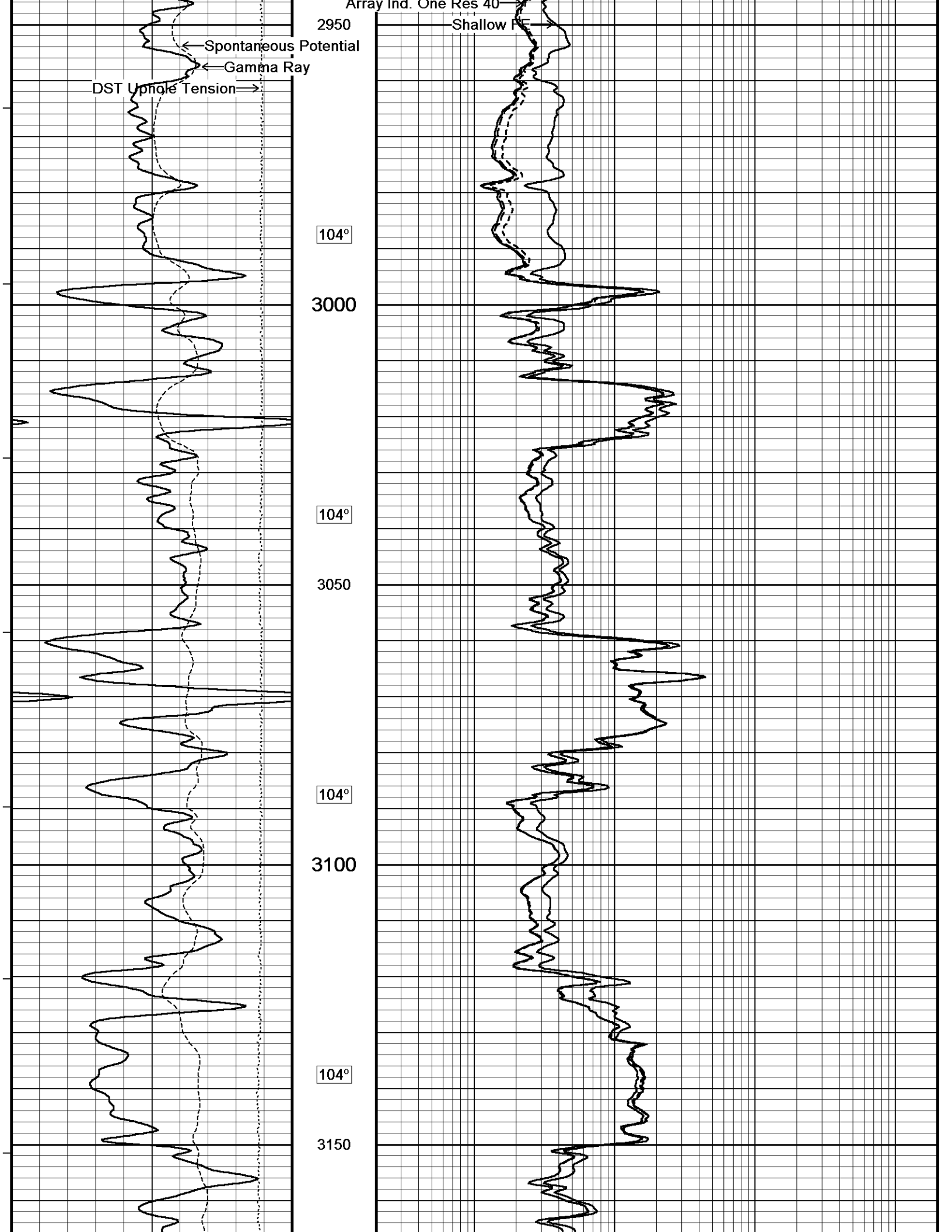
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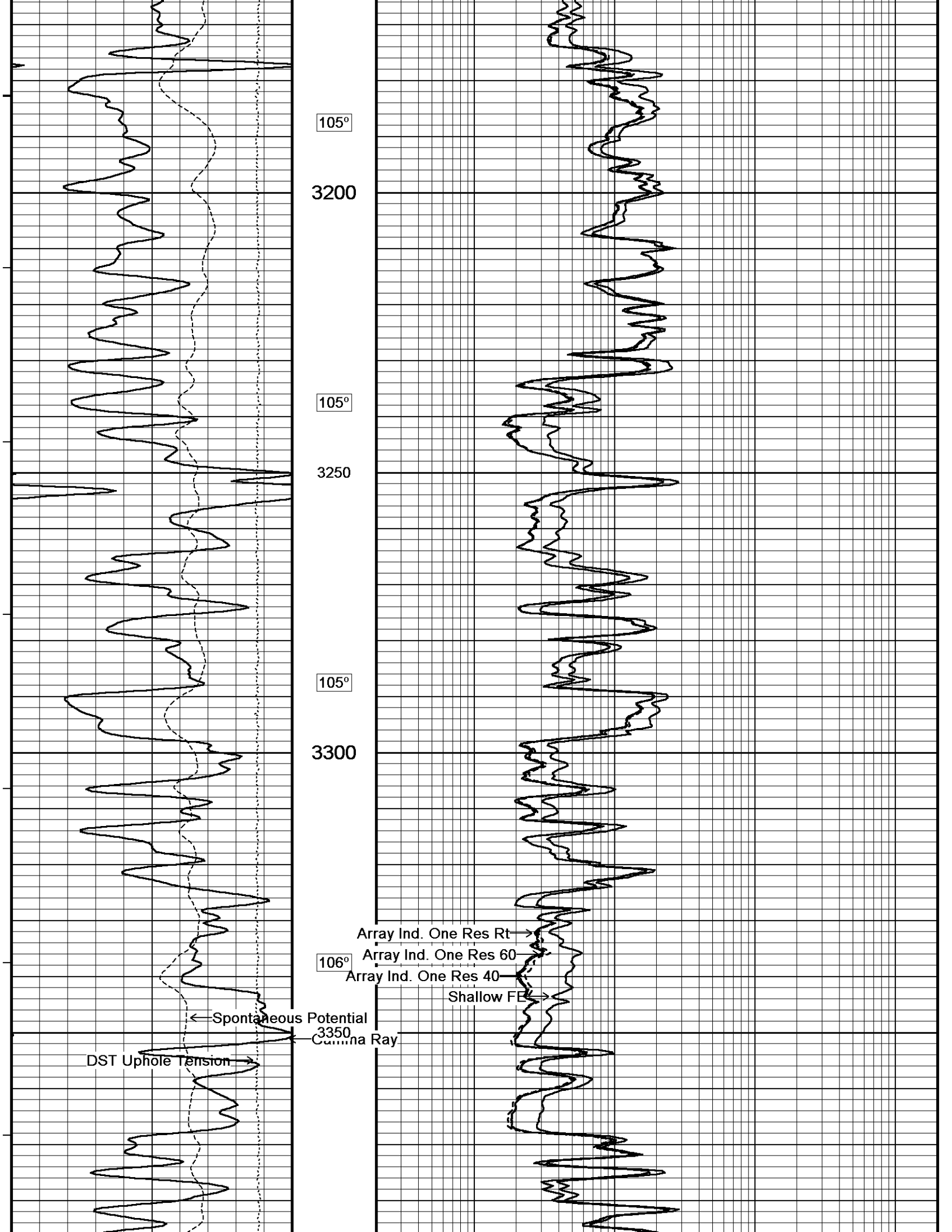
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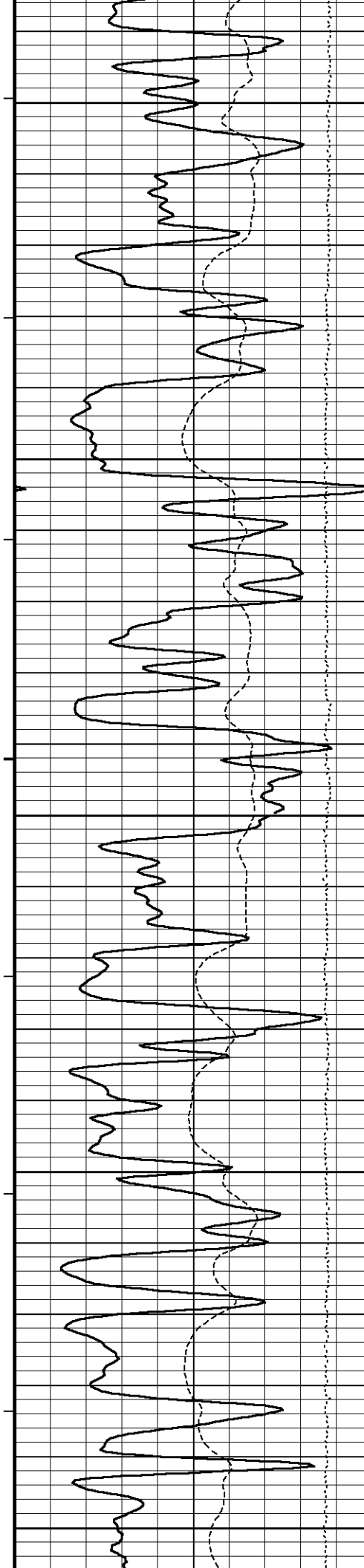
3100

104°

3150







106°

3400

106°

3450

106°

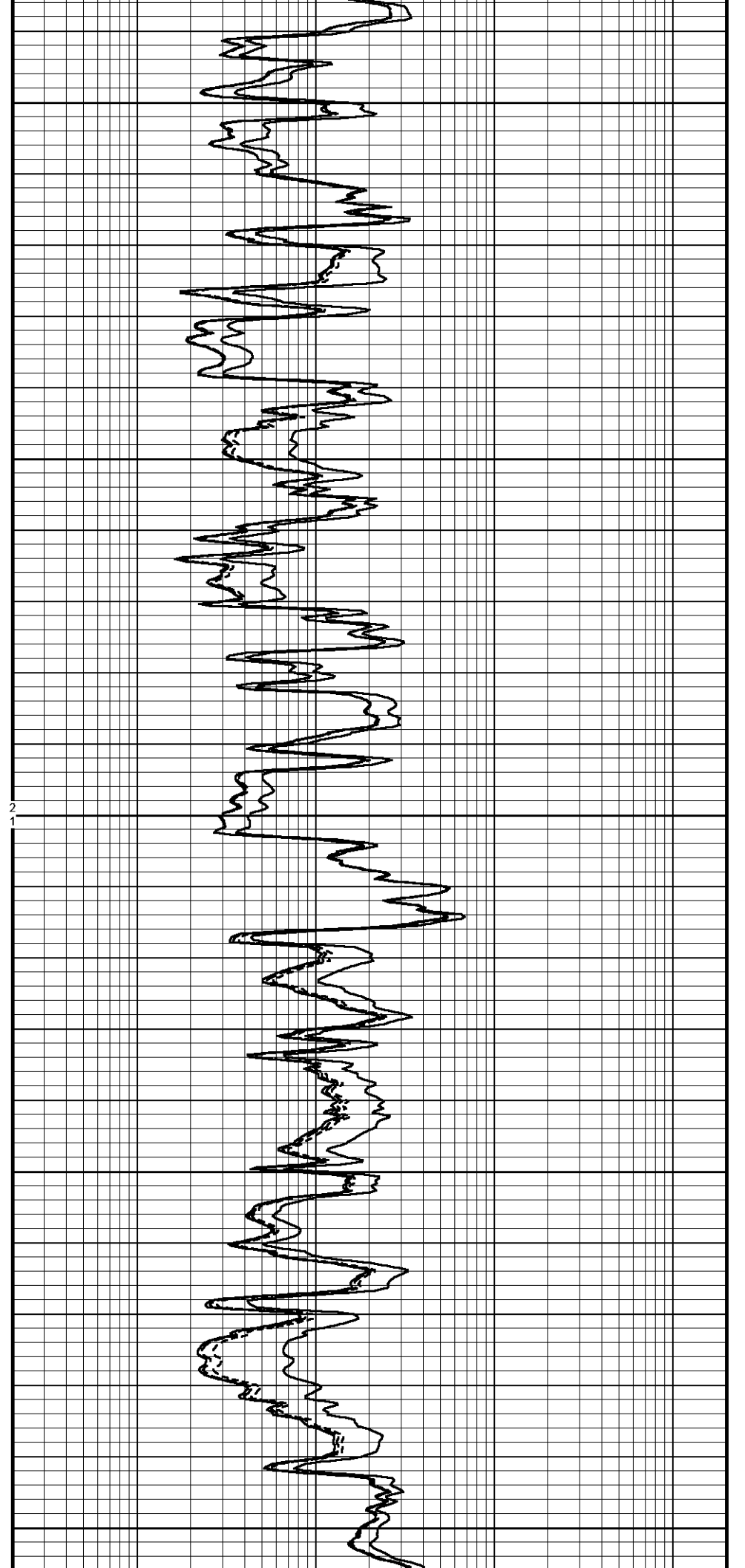
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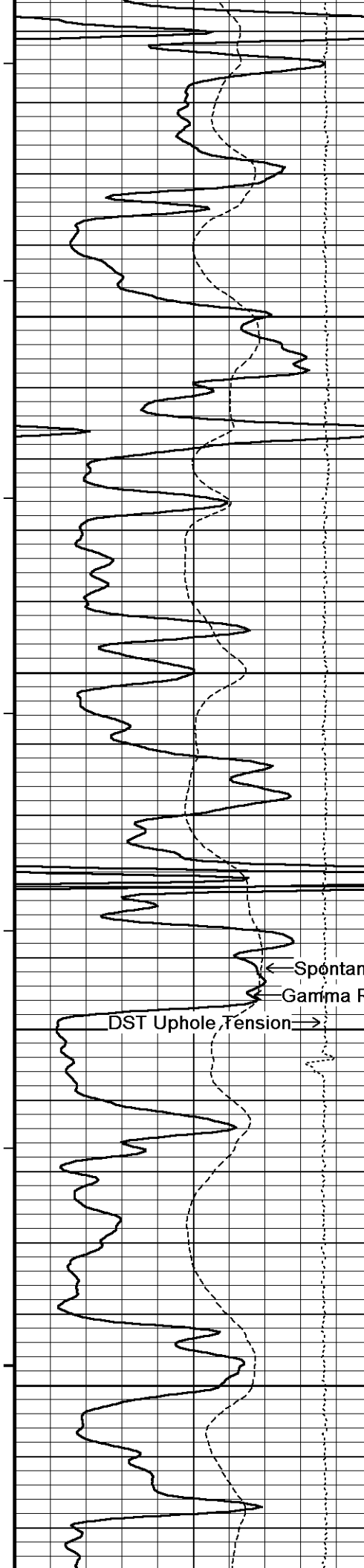
107°

3550

107°

3600





107°

3650

107°

3700

107°

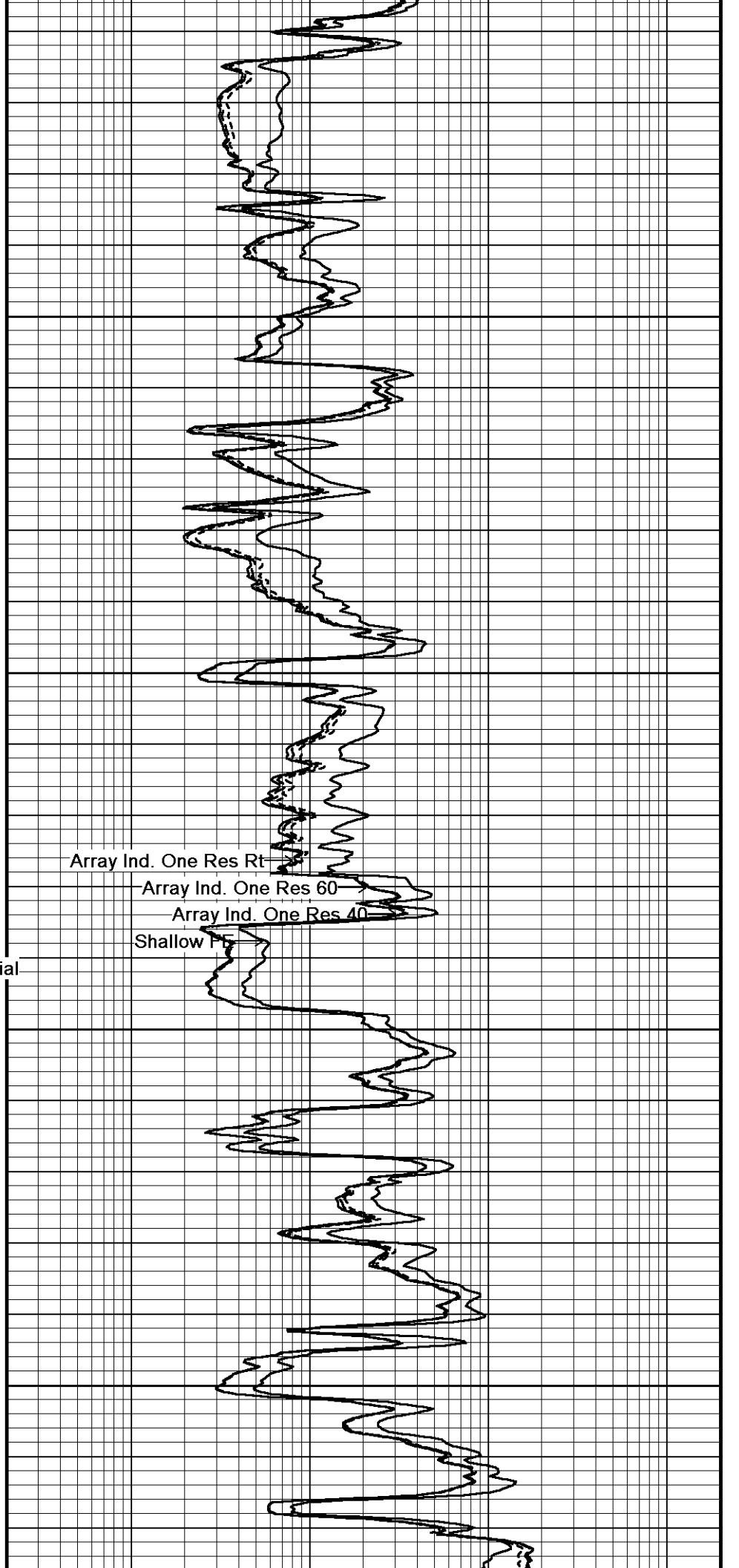
3750

108°

3800

← Spontaneous Potential
← Gamma Ray

DST Uphole Tension →

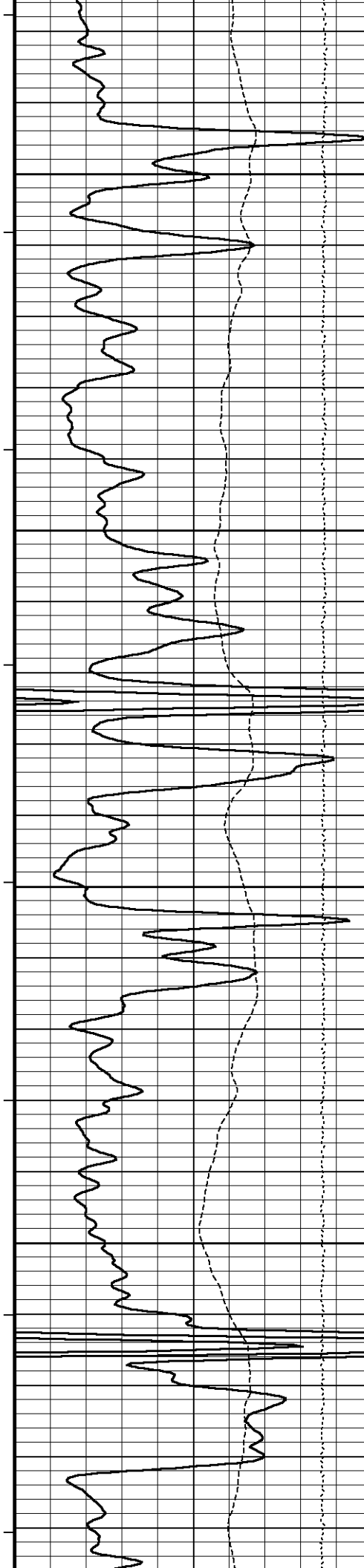


Array Ind. One Res Rt →

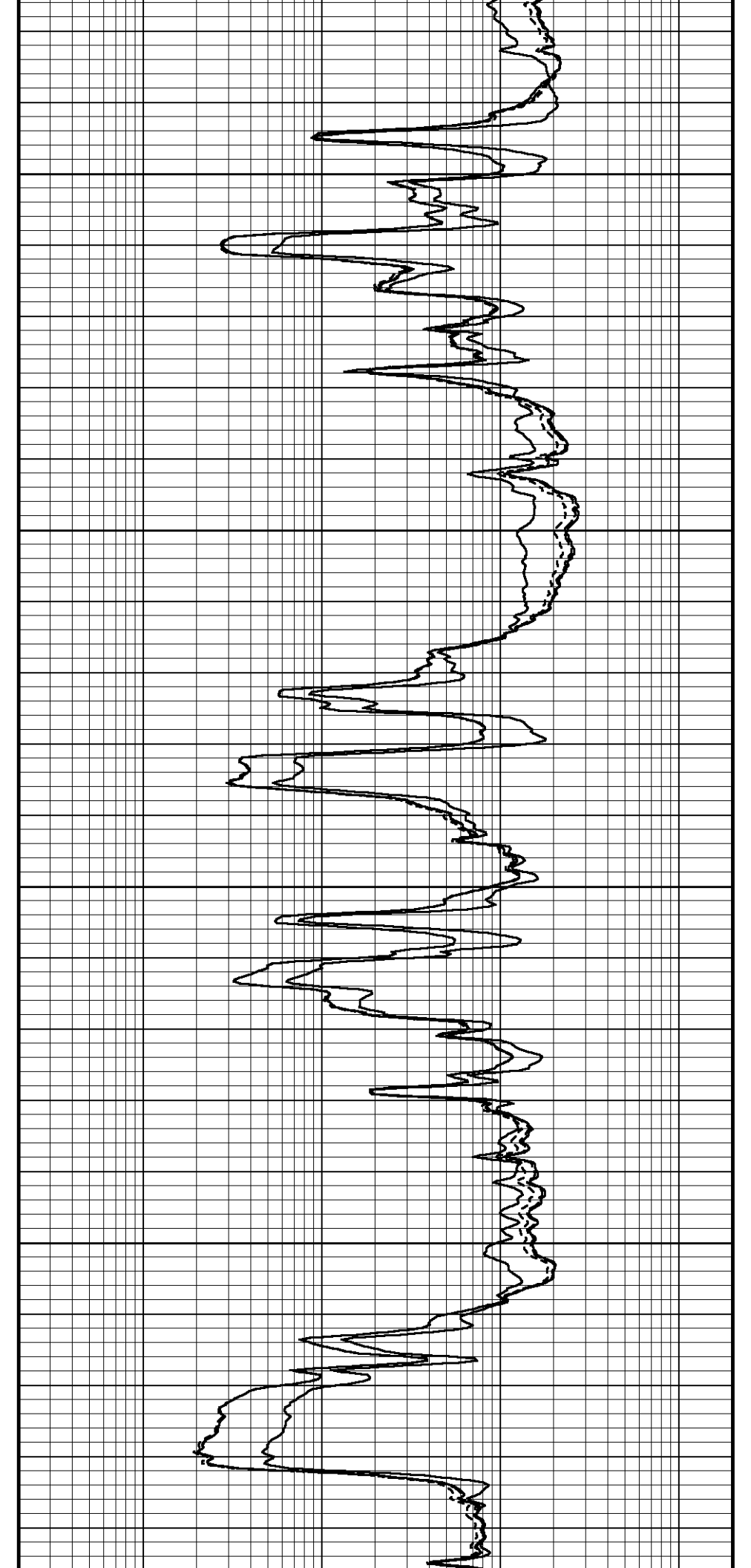
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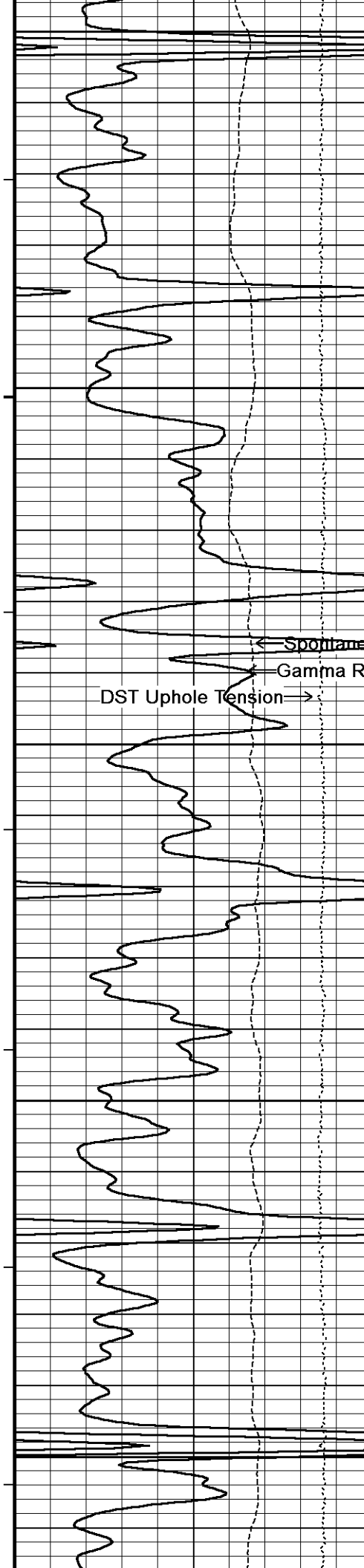
Array Ind. One Res 40 →

Shallow F →



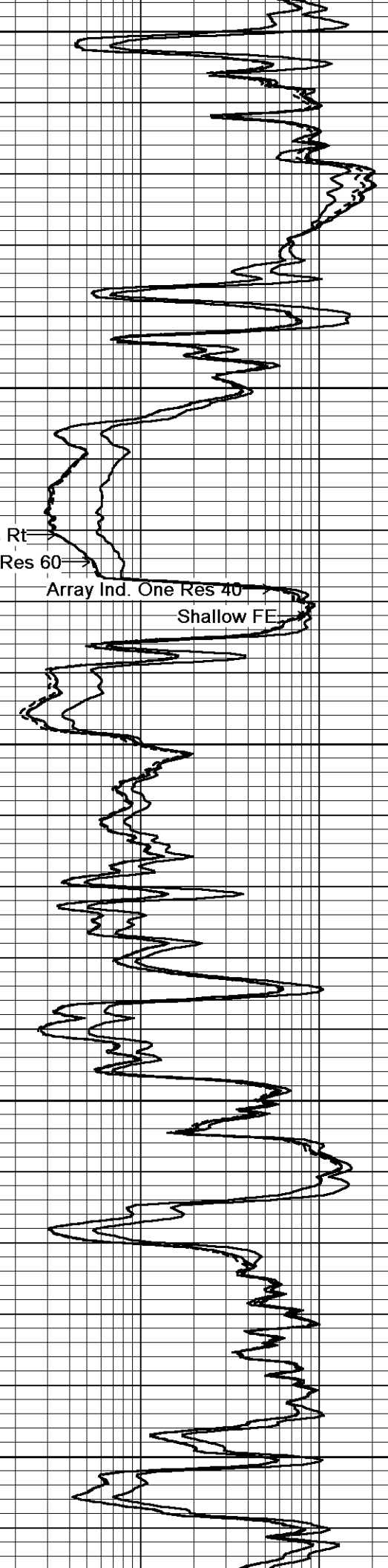
108°
3850
108°
3900
109°
3950
109°
4000
109°

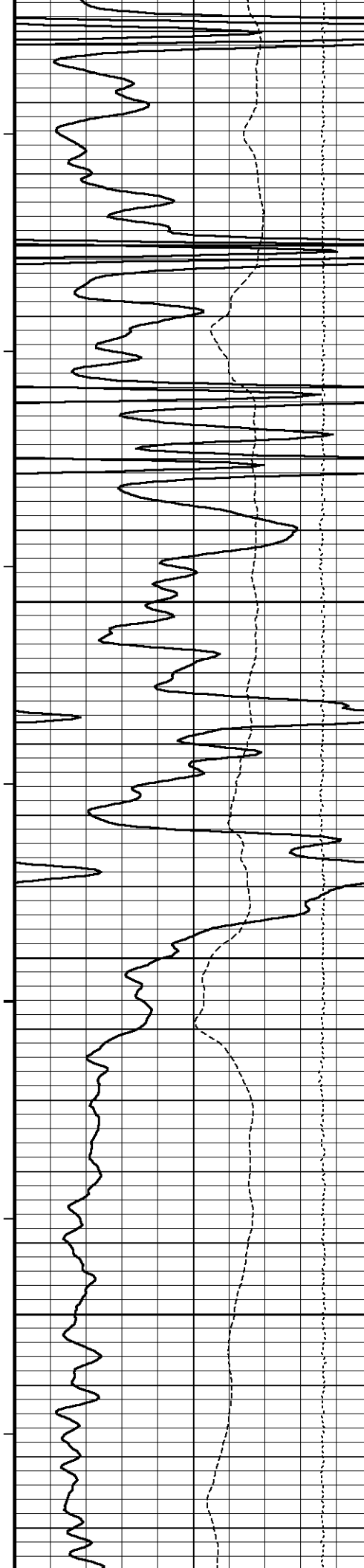




4050
110°
4100
110°
4150
111°
4200
111°
4250

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





112°

4300

112°

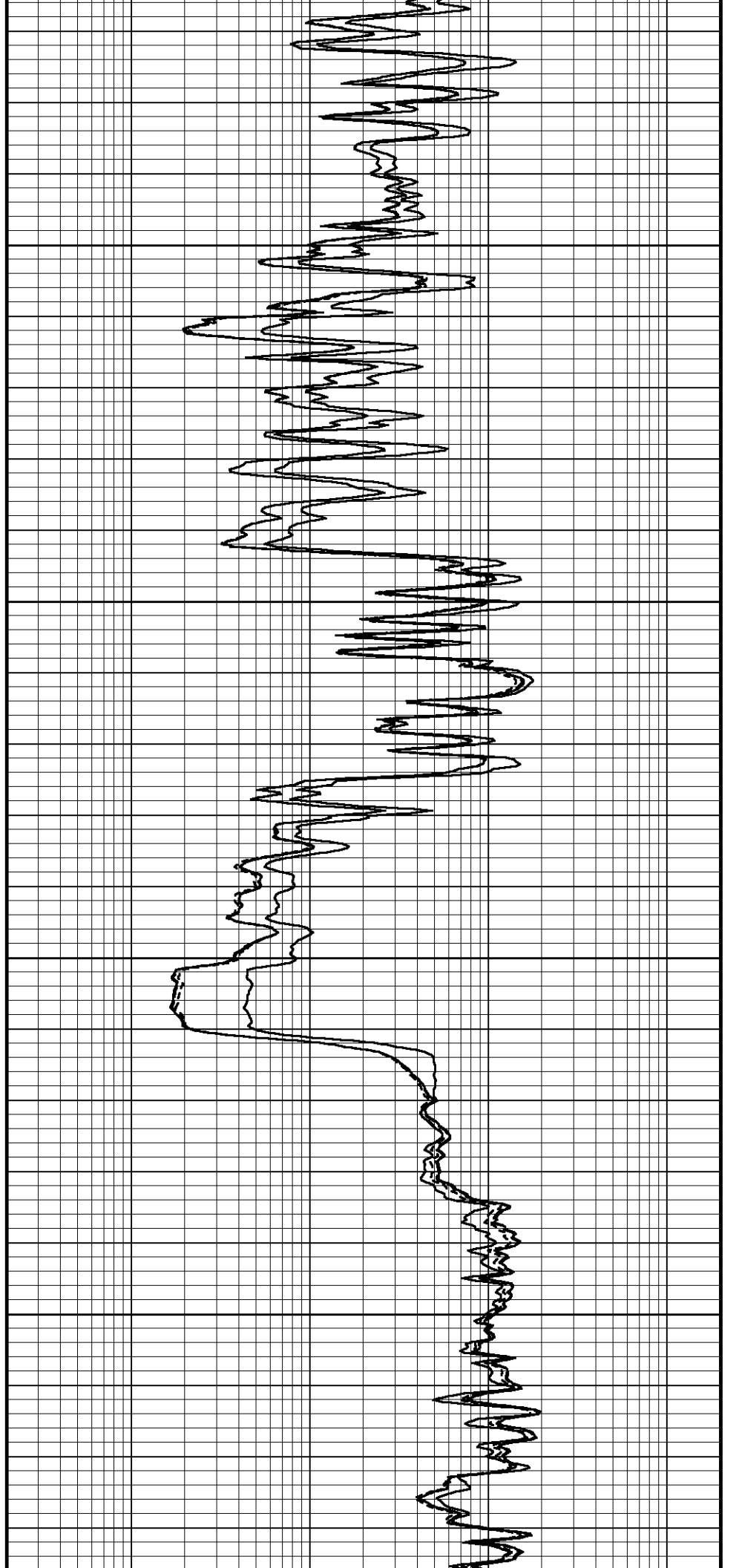
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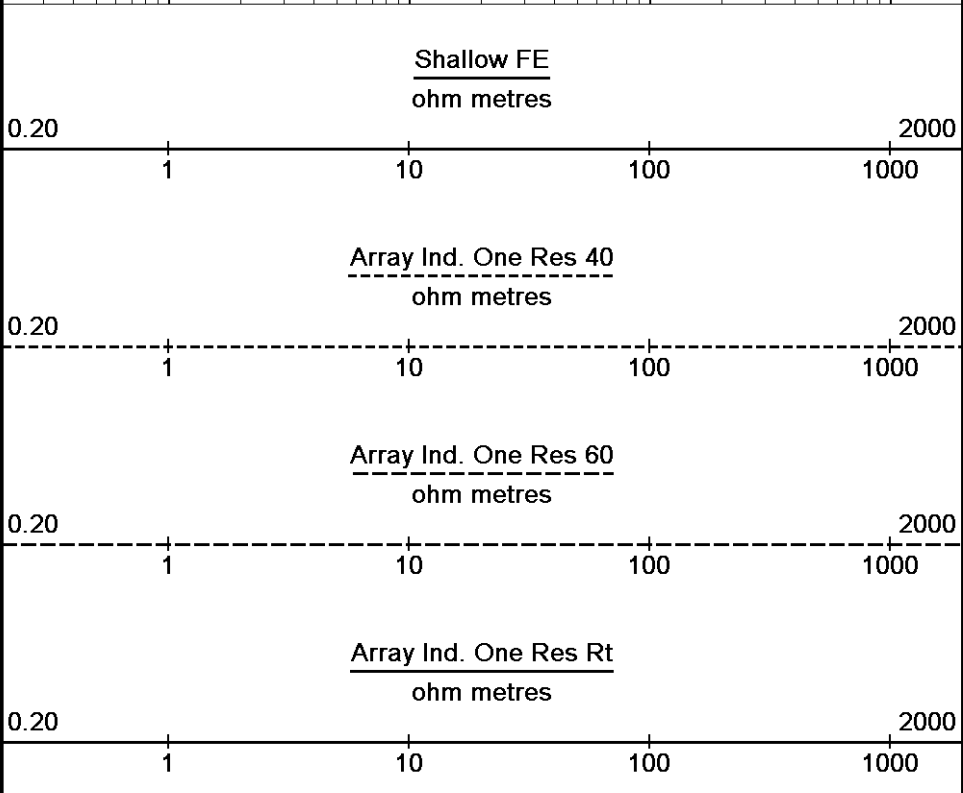
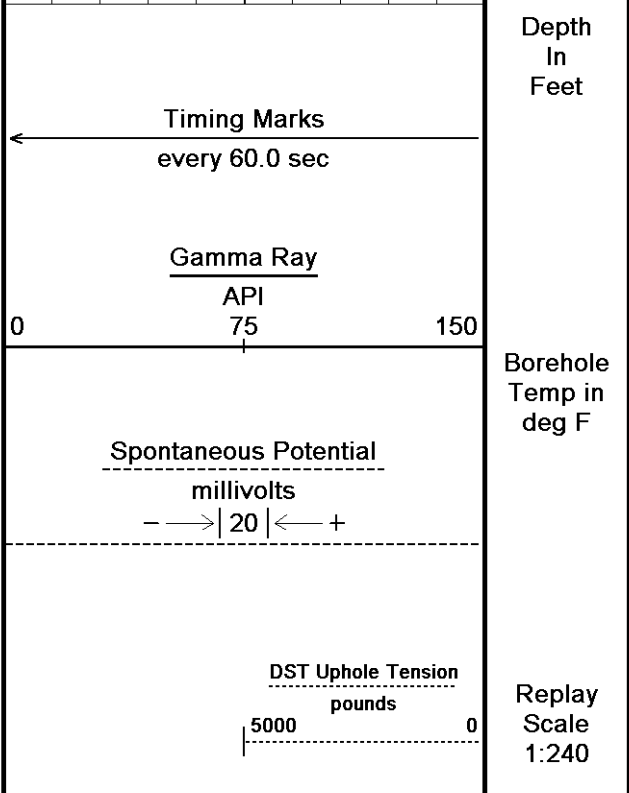
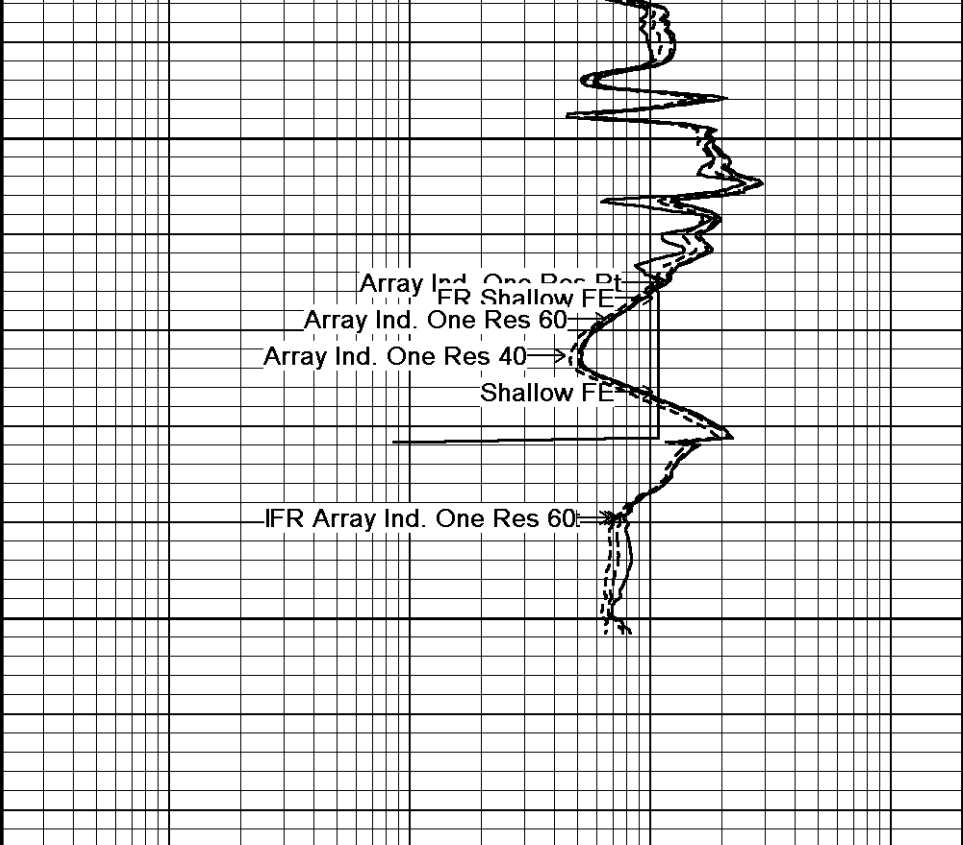
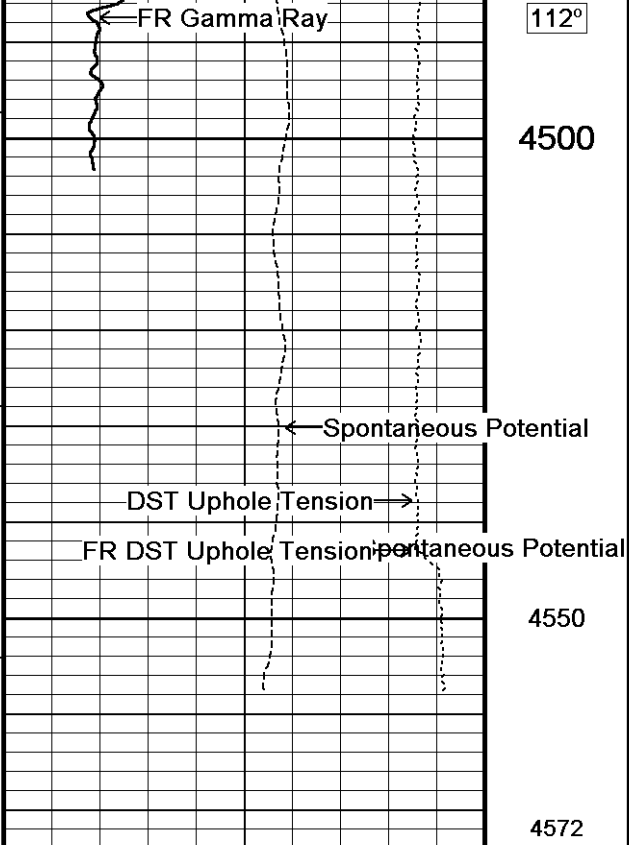
113°

4400

113°

4450





Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 14-AUG-2012 12:29

Filename: C:\Minimus 13.02.6600\Data\Shakespeare Foster #1-17\Shakespeare Foster #1-17_004.dta Recorded on 14-AUG-2012 09:51

System Versions: Processed with 13.02.6600 Plotted with 13.02.6600

↑ 5 INCH MAIN ↑

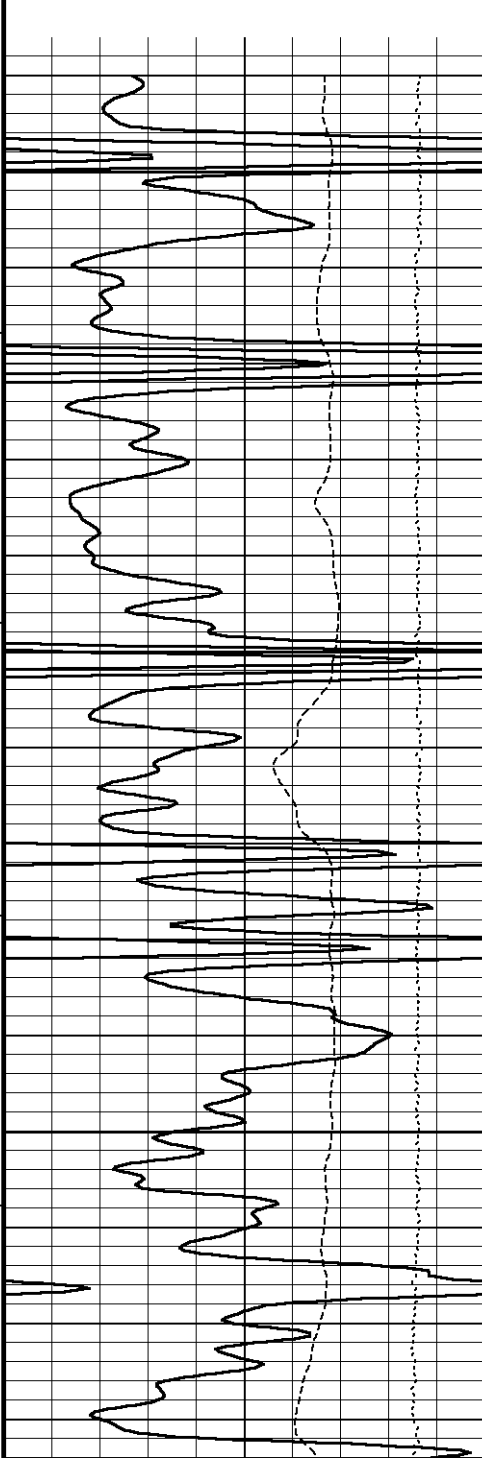
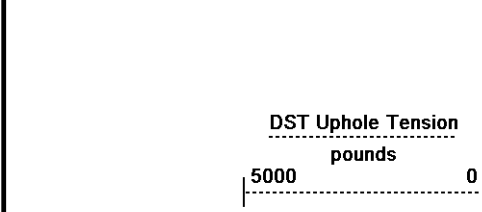
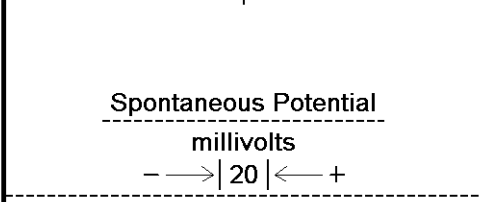
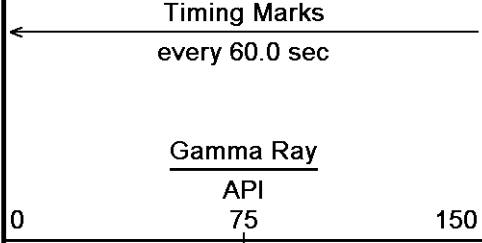
↓ REPEAT SECTION ↓

Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 14-AUG-2012 12:29

Filename: C:\Minimus 13.02.6600\Data\Shakespeare Foster #1-17\Shakespeare Foster #1-17_002.dta Recorded on 14-AUG-2012 09:27

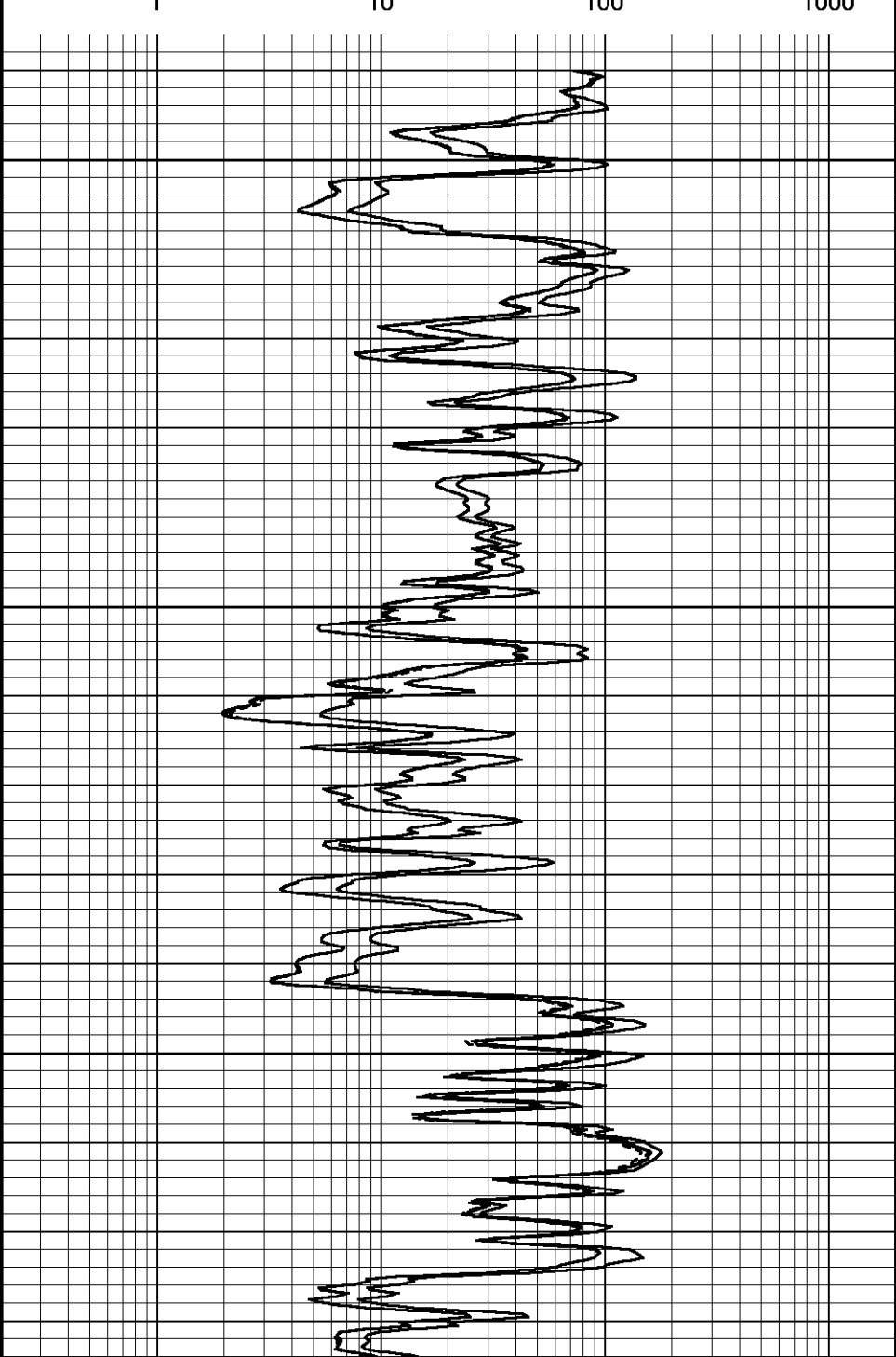
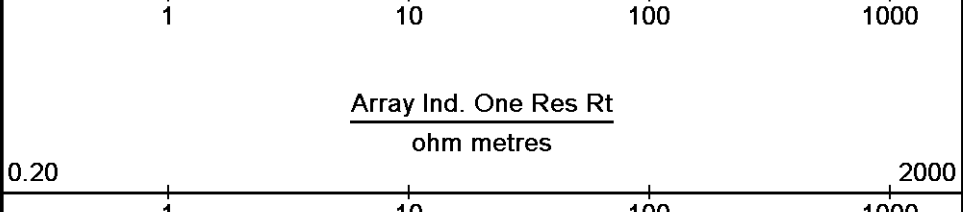
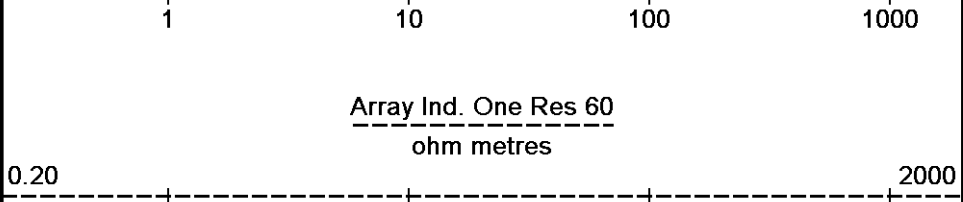
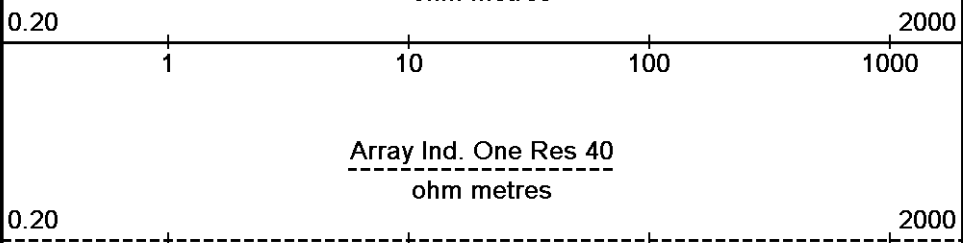
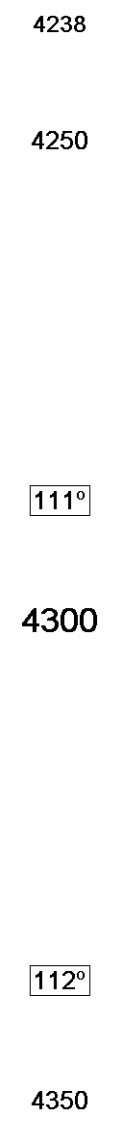
System Versions: Logged with 13.02.6600 Processed with 13.02.6600 Plotted with 13.02.6600

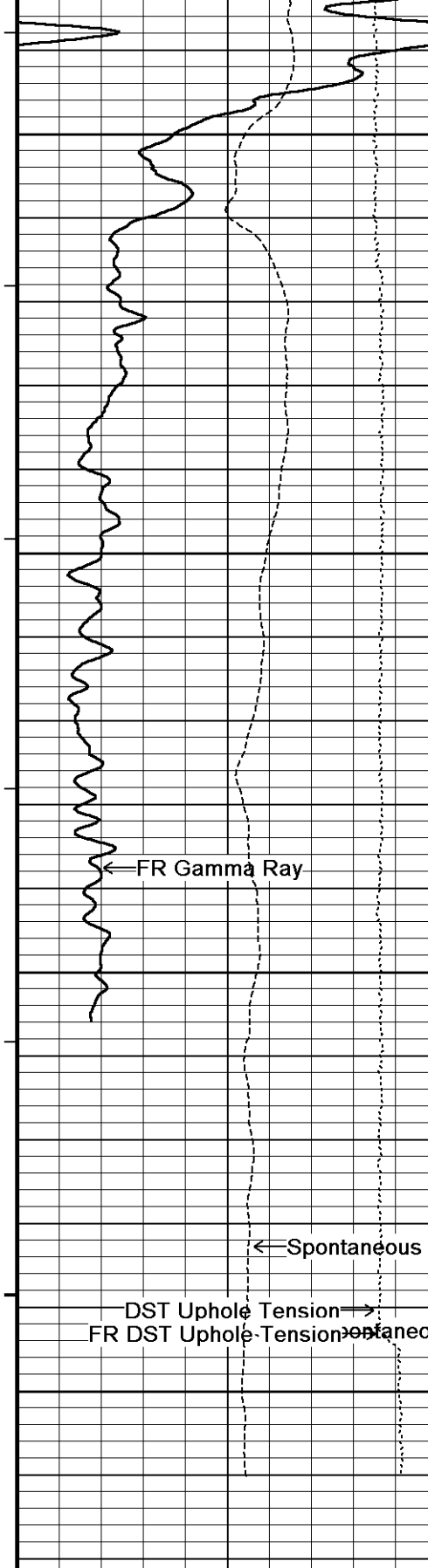




Borehole
Temp in
deg F

Replay
Scale
1:240





112°

4400

111°

4450

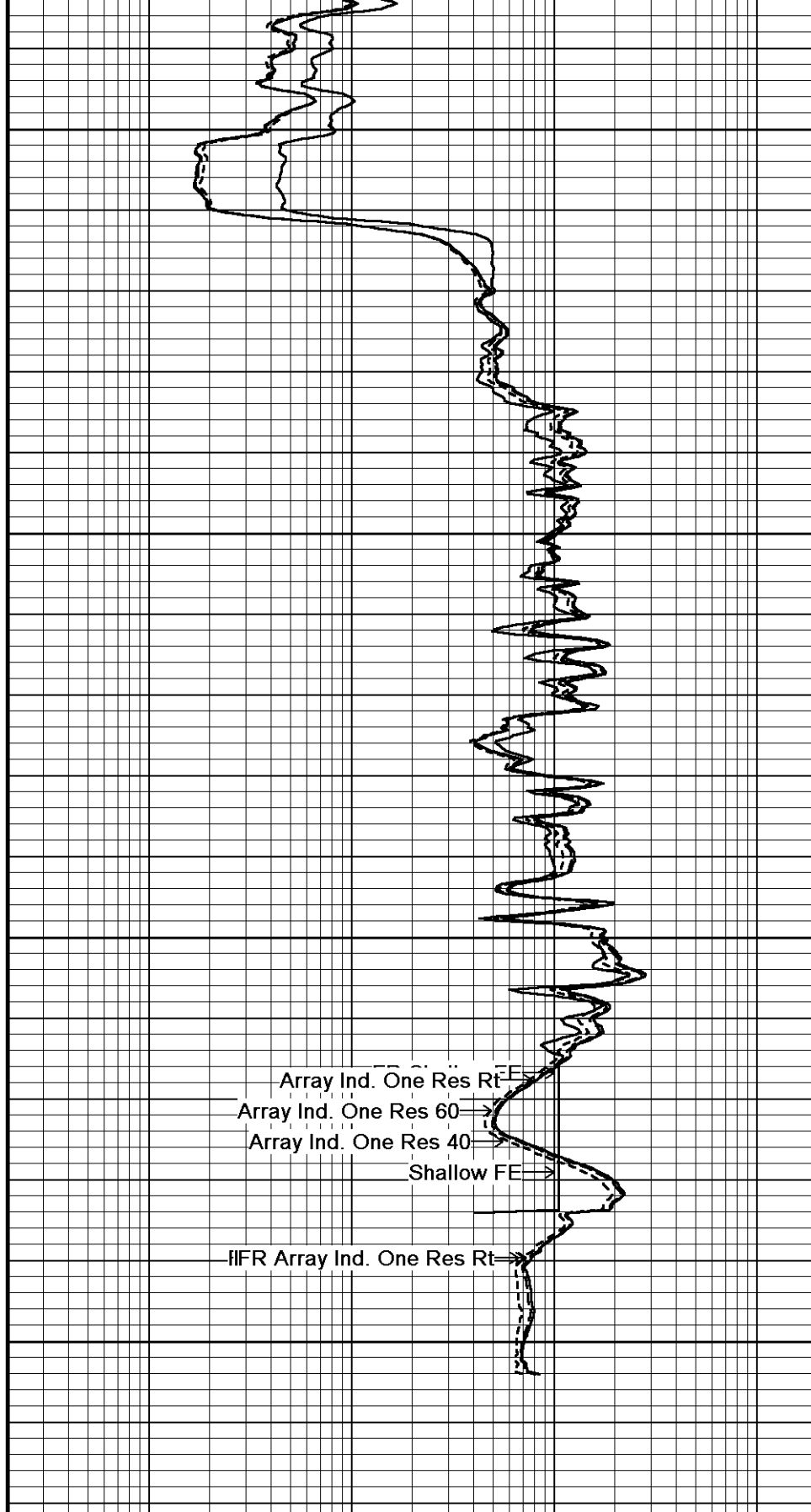
110°

4500

4550

4570

Depth in Feet



Timing Marks
every 60.0 sec

Gamma Ray
API

0.20

1

10

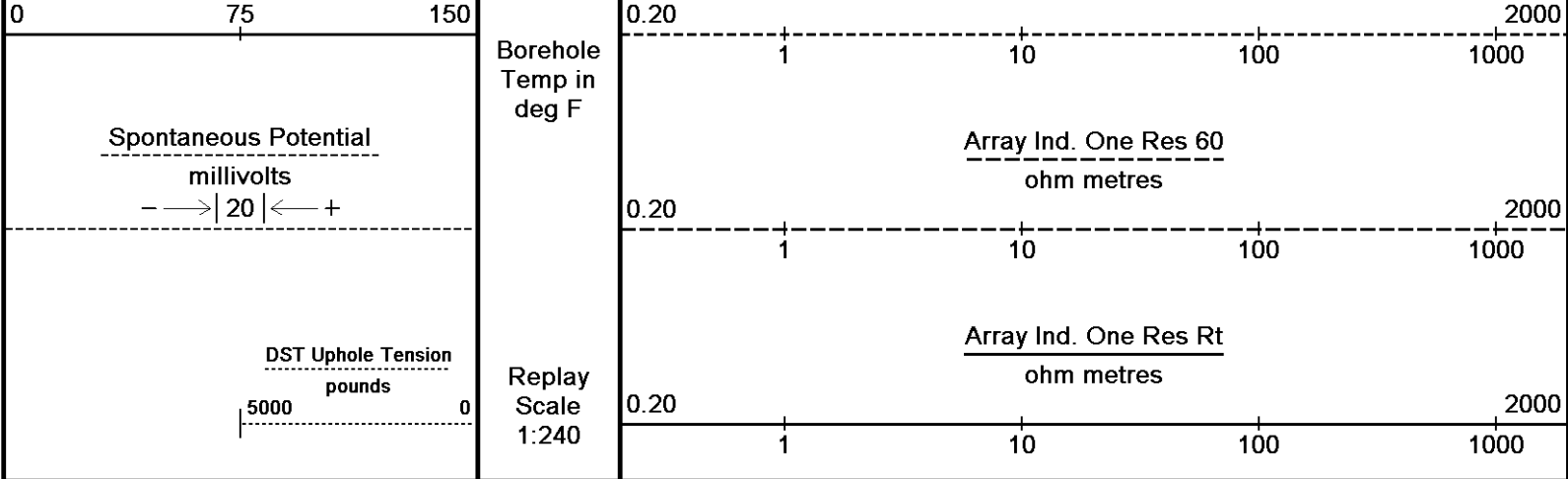
100

1000

2000

Shallow FE
ohm metres

Array Ind. One Res 40
ohm metres



Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 14-AUG-2012 12:29
 Filename: C:\Minimus 13.02.6600\Data\Shakespeare Foster #1-17\Shakespeare Foster #1-17_002.dta Recorded on 14-AUG-2012 09:27
 System Versions: Logged with 13.02.6600 Processed with 13.02.6600 Plotted with 13.02.6600

↑ REPEAT SECTION ↑

BEFORE SURVEY CALIBRATION
 C:\Minimus 13.02.6600\Data\Shakespeare Foster #1-17\Shakespeare Foster #1-17_004.dta

General Constants All 000 Last Edited on 14-AUG-2012,12:08

General Parameters		
Mud Resistivity	0.630	ohm-metres
Mud Resistivity Temperature	71.000	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 25-JUL-2012 21:44

Reading No	Measured	Calibrated (lbs)
1	15962.51	0.00
2	17047.62	562.20

Gamma Calibration MCG-D.K 442 Field Calibration on 13-AUG-2012 09:24

	Measured	Calibrated (API)
Background	69	46
Calibrator (Gross)	1150	771
Calibrator (Net)	1081	725

Gamma Constants MCG-D.K 442 Last Edited on 14-AUG-2012,06:56

Gamma Calibrator Number	GRC38	
Mud Density	1.10	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl	0.00	kppm

SP Calibration MCG-D.K 442 Field Calibration on 17-JUL-2012 16:34

	Measured	Calibrated (mV)
Reference 1	100.0	100.0

Reference 1	100.2	100.0
Reference 2	-99.9	-100.0

High Resolution Temperature Calibration MCG-D.K 442

Field Calibration on 17-JUL-2012,16:35

	Measured	Calibrated(Deg F)
Lower	50.00	50.00
Upper	100.00	100.00

High Resolution Temperature Constants MCG-D.K 442

Last Edited on

Pre-filter Length 11

Caliper Calibration MML-A 4

Base Calibration on 24-JUL-2012 08:53
Field Calibration on 13-AUG-2012 09:01

Base Calibration		
Reading No	Measured	Calibrator Size (in)
1	15504	5.98
2	18771	7.97
3	22124	9.86
4	25894	11.92
5	0	0.00
6	N/A	N/A
Field Calibration		
	Measured Caliper (in)	Actual Caliper (in)
	5.88	5.98

Micro Normal and Micro Inverse Calibration MML-A 4

Base Calibration on 24-JUL-2012 08:59
Field Check on 13-AUG-2012 09:03

Base Calibration					
		Measured		Calibrated (ohm-m)	
Channel	Resistor 1	Resistor 2	Resistor 1	Resistor 2	
Micro Normal	12.2	60.2	5.0	25.0	
Micro Inverse	15.7	78.4	5.0	25.0	
Field Calibration					
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 14-AUG-2012,06:56

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 66

Base Calibration on 17-JUL-2012 10:54
Field Check on 13-AUG-2012 09:29

Base Calibration					
		Measured		Calibrated (cps)	
	Near	Far	Near	Far	
	3220	101	3714	110	
Ratio	31.859		33.764		
Field Calibrator at Base					
			Calibrated (cps)		
			1595	2289	
Ratio	0.696				
Field Check					
			Calibrated (cps)		
			1598	2276	
Ratio	0.702				

Neutron Constants MDN-A.B 66

Last Edited on 14-AUG-2012,06:56

Neutron Source Id	P0204NN
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

Dolomite Sigma	4.78	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 353

Base Calibration on 17-JUL-2012 15:58
Field Check on 13-AUG-2012 09:00

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	964.8	126.8
Base Check		280.6
Field Check		280.9

FE Constants MFE-B.J 353

Last Edited on 14-AUG-2012,06:55

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-C.K 330

Last Edited on 13-AUG-2012,09:31

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'	0	0	0	0	0
4'	0	0	0	0	0
5'	0	0	0	0	0
6'	0	0	0	0	0

Processed Fixed Gate Parameters

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

Full Waveform Parameters

Use 3' Waveform to derive TR	No	
Use 4' Waveform to derive TR	No	
Use 5' Waveform to derive TR	No	
Use 6' Waveform to derive TR	No	
3' Waveform Discriminator Level	0.30	mV
4' Waveform Discriminator Level	0.30	mV
5' Waveform Discriminator Level	0.15	mV
6' Waveform Discriminator Level	0.15	mV
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

High Resolution Temperature Calibration MAI-A.A 167

Field Calibration on 17-JUL-2012,13:53

	Measured	Calibrated(Deg F)
Lower	1.00	33.80
Upper	11.00	51.80

High Resolution Temperature Constants MAI-A.A 167

Last Edited on 17-JUL-2012,13:49

Pre-filter Length	11
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Induction Calibration MAI-A.A 167

Base Calibration on 17-JUL-2012,13:55
Field Check on 13-AUG-2012 08:59

Base Calibration

Test Loop Calibration Channel	Measured		Calibrated (mmho/m)	
	Low	High	Low	High
1	17.3	474.2	9.3	966.2
2	6.3	388.4	7.6	821.4
3	3.3	259.4	5.2	566.0
4	1.9	133.0	2.6	279.2

Array Temperature	76.8	Deg F
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Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1	0.0	0.0	13.3	3838.4
2	0.0	0.0	29.6	3476.3
3	0.0	0.0	29.1	3052.2
4	0.0	0.0	19.8	2081.0
Deep	0.0	0.0	18.6	2048.1
Medium	0.0	0.0	42.2	3990.5
Shallow	0.0	0.0	43.0	5053.7

Array Temperature	0.0	79.3	Deg F
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Induction Constants MAI-A.A 167

Last Edited on 14-AUG-2012,06:55

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	

Caliper Calibration MPD-B 64

Base Calibration on 04-AUG-2012 20:18
Field Calibration on 13-AUG-2012 09:10

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	11106	3.99
2	20221	5.98
3	28496	7.97
4	37105	9.86
5	46524	11.92
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
5.94	5.98

Photo Density Calibration MPD-B 64

Base Calibration on 17-JUL-2012 15:04
Field Check on 13-AUG-2012 09:08

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	59921	33969	59556	30836
Reference 2	25388	2962	24941	2541

Field Check at Base

1193.4	1388.8
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Field Check

1183.8	1378.0
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PE Calibration

Base Calibration	Measured			Calibrated
	WS	WH	Ratio	Ratio
Background	214	1064		
Reference 1	22602	59722	0.382	0.371
Reference 2	6872	25249	0.275	0.272

Field Check at Base

214.1	1063.8
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Field Check

213.4	1055.9
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Density Constants MPD-B 64

Last Edited on 14-AUG-2012,06:56

Density Source Id	18235B
Nylon Calibrator Number	DNCE695
Aluminium Calibrator Number	DACD698
Density Shoe Profile	8 inch
Caliper Source for Processing	Density Caliper
PE Correction to Density	Not Applied
Mud Density	1.10 gm/cc

Mud Density Z/A Multiplier	1.11	
Mud Filtrate Density	1.00	gm/cc
Dry Hole Mud Filtrate Density	1.00	gm/cc
DNCT	0.00	gm/cc
CRCT	0.00	gm/cc
Density Z/A Correction	Hybrid	
Matrix Density (gm/cc)	Depth (ft)	
2.87	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	

DOWNHOLE EQUIPMENT

C:\Minimus 13.02.6600\Data\Shakespeare Foster #1-17\Shakespeare Foster #1-17_004.dta

Compact Comms Gamma
MCG-D.K 442 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 66 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

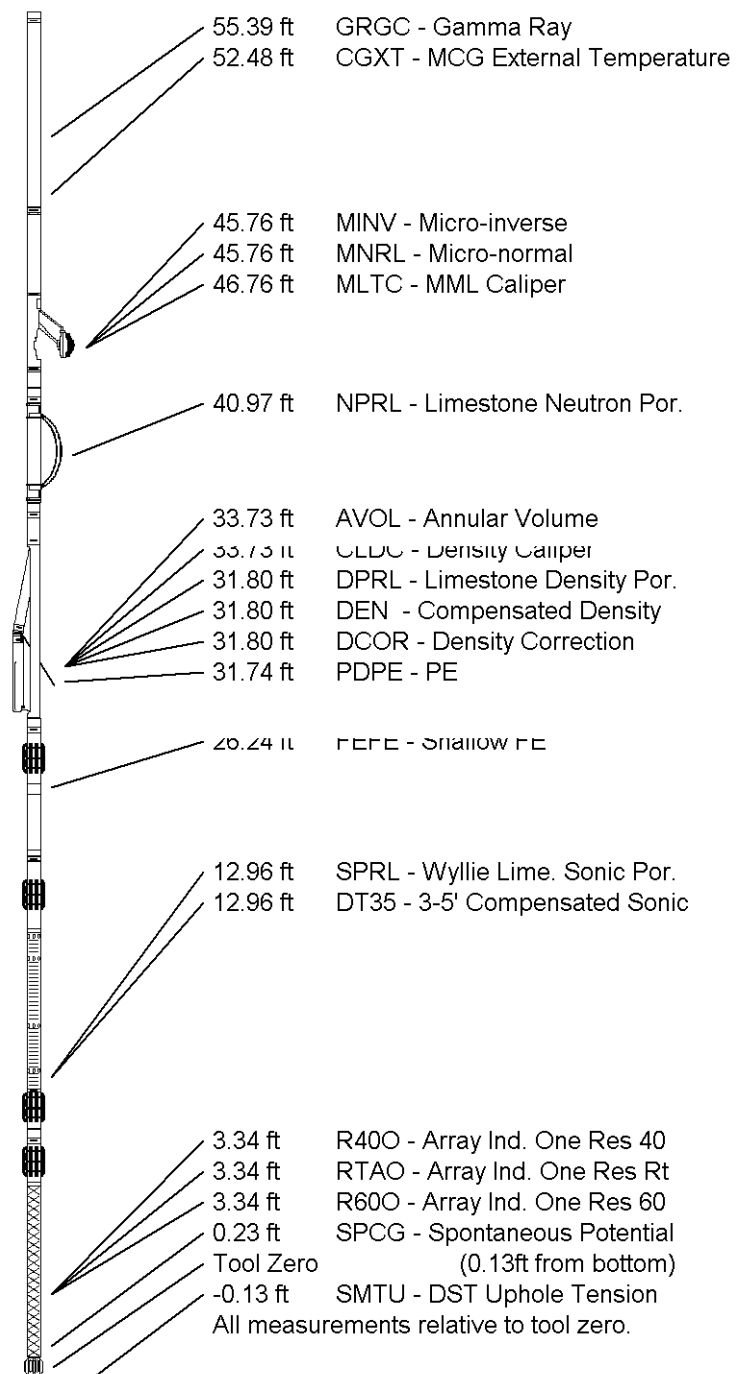
Compact Density/Caliper
MPD-B 64 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

Compact Focussed Electric
MFE-B.J 353 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

Compact Sonic
MSS-C.K 330 LG: 12.52 ft WT: 72.8 lb OD: 2.24 in

Compact Induction
MAI-A.A 167 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Total Length: 60.68 ft Weight: 456.4 lb



COMPANY	SHAKESPEARE OIL COMPANY, INC.		
WELL	FOSTER #1-17		
FIELD	WILDCAT		
PROVINCE/COUNTY	LOGAN		
COUNTRY/STATE	U.S.A. / KANSAS		

Elevation Kelly Bushing	2783.00	feet	First Reading	4540.00	feet
Elevation Drill Floor	2781.00	feet	Depth Driller	4550.00	feet
Elevation Ground Level	2773.00	feet	Depth Logger	4543.00	feet



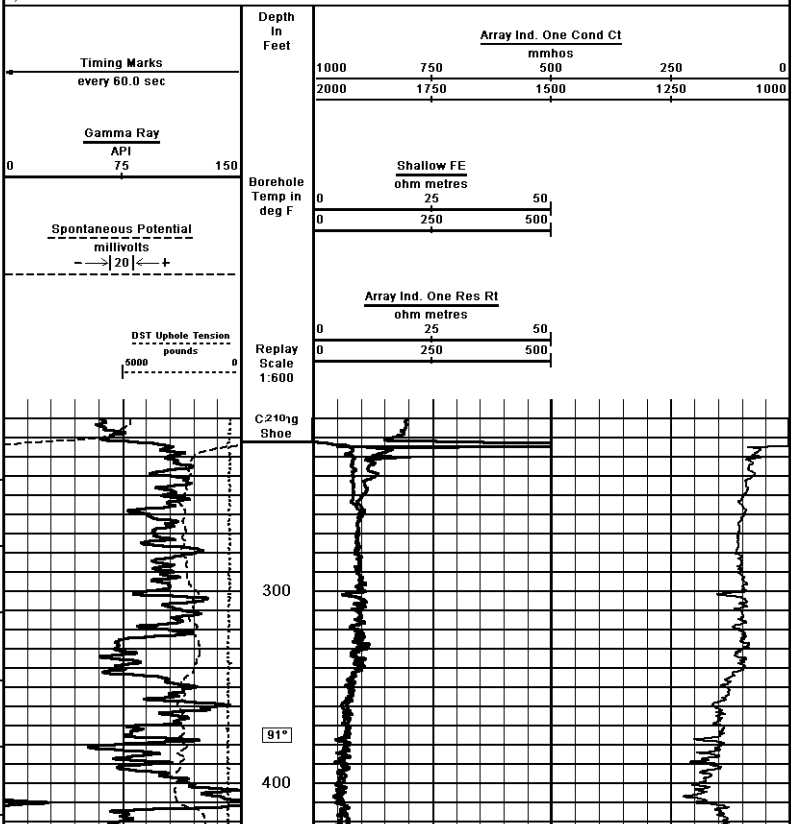
Weatherford®

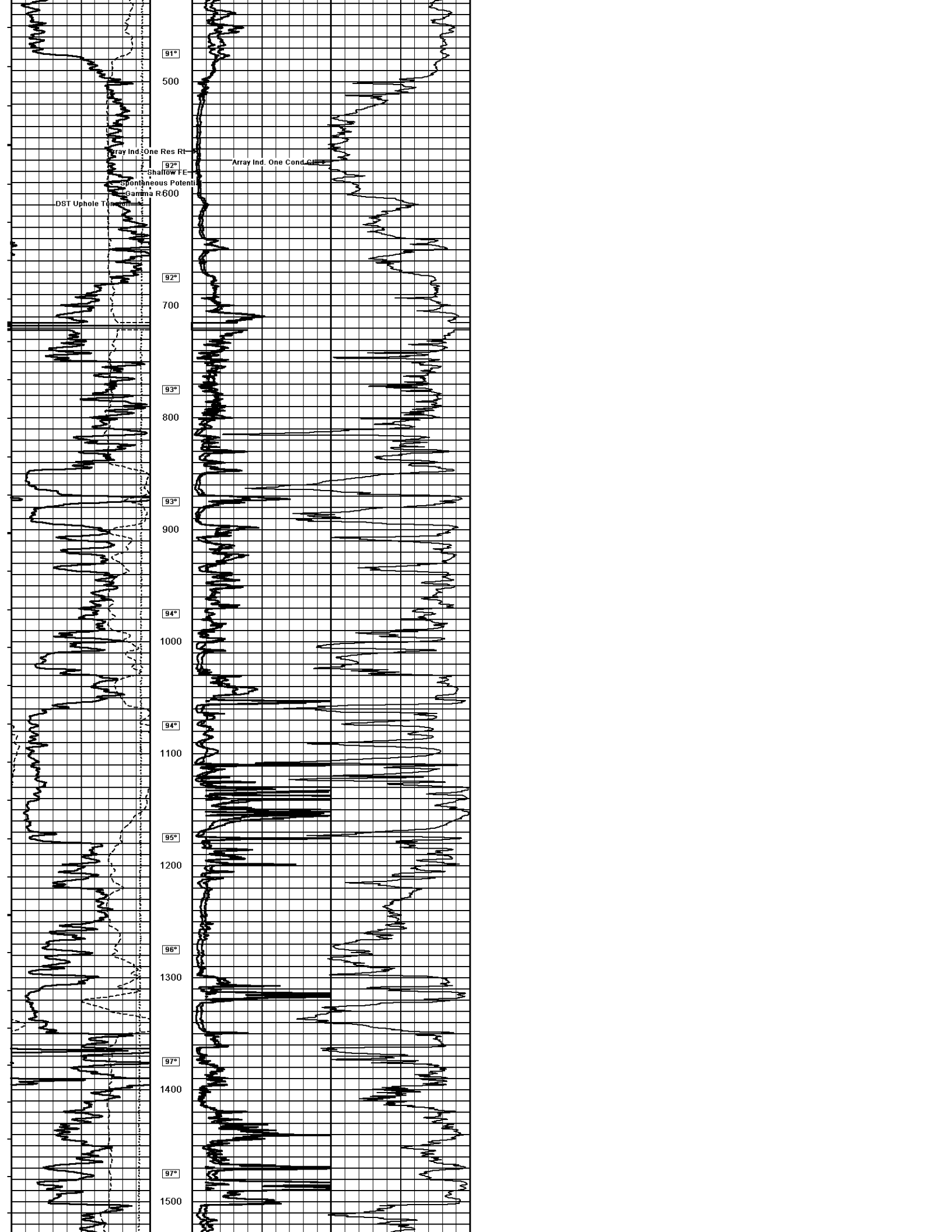
ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG

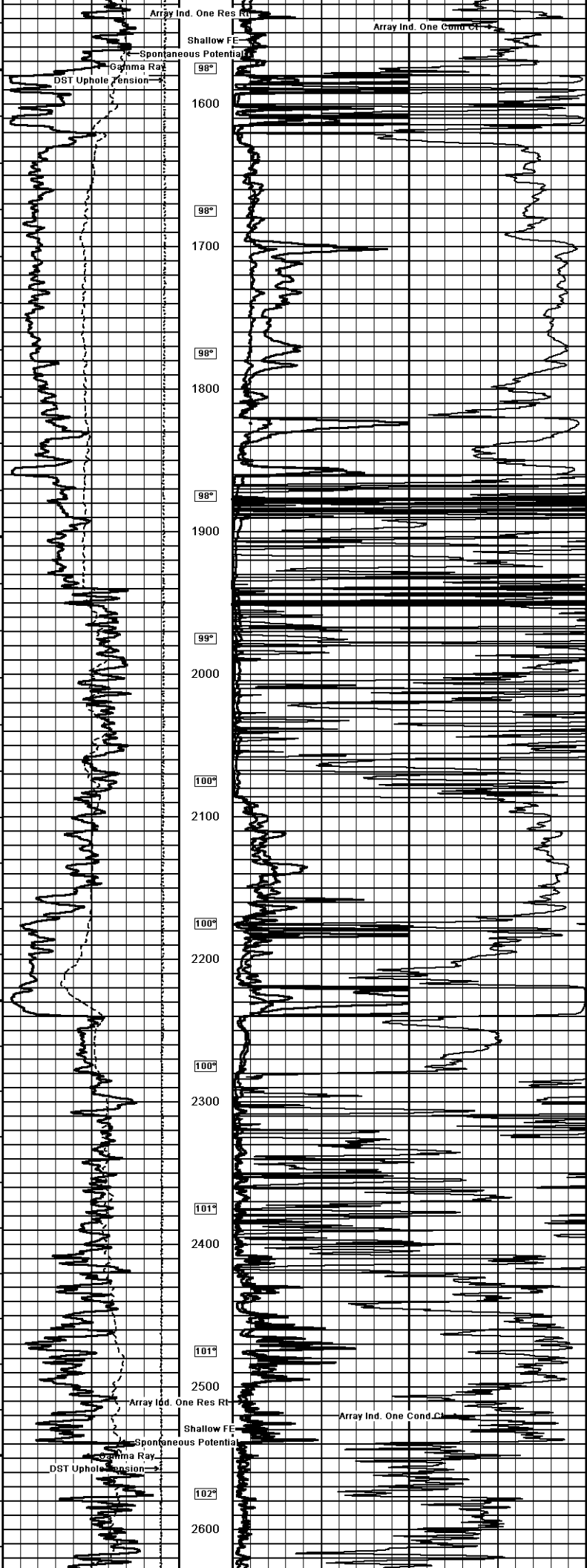
Weatherford		ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG	
COMPANY	SHAKESPEARE OIL COMPANY, INC.	WELL	FOSTER #1-17
FIELD	WILDCAT	PROVINCE/COUNTY	LOGAN
COUNTRY/STATE	U.S.A. / KANSAS	LOCATION	800' FML & 2289' FEL
LOG NUMBER	154-09-21092	DATE	14-AUG-2012
LOG MEASURED FROM	KB		
DATE	14-AUG-2012		
DEPTH DRILLER	ONE	DEPTH LOGGER	4543.00 feet
FIRST READING	4540.00	CASING LOGGER	225.00 feet
CASING LOGGER	225.00	LOG MEASURED FROM	KB
LOG MEASURED FROM	KB		
DATE	14-AUG-2012		
DEPTH DRILLER	ONE	DEPTH LOGGER	4543.00 feet
FIRST READING	4540.00	CASING LOGGER	225.00 feet
CASING LOGGER	225.00	LOG MEASURED FROM	KB
LOG MEASURED FROM	KB		
DATE	14-AUG-2012		
DEPTH DRILLER	ONE	DEPTH LOGGER	4543.00 feet
FIRST READING	4540.00	CASING LOGGER	225.00 feet
CASING LOGGER	225.00	LOG MEASURED FROM	KB
LOG MEASURED FROM	KB		
DATE	14-AUG-2012		

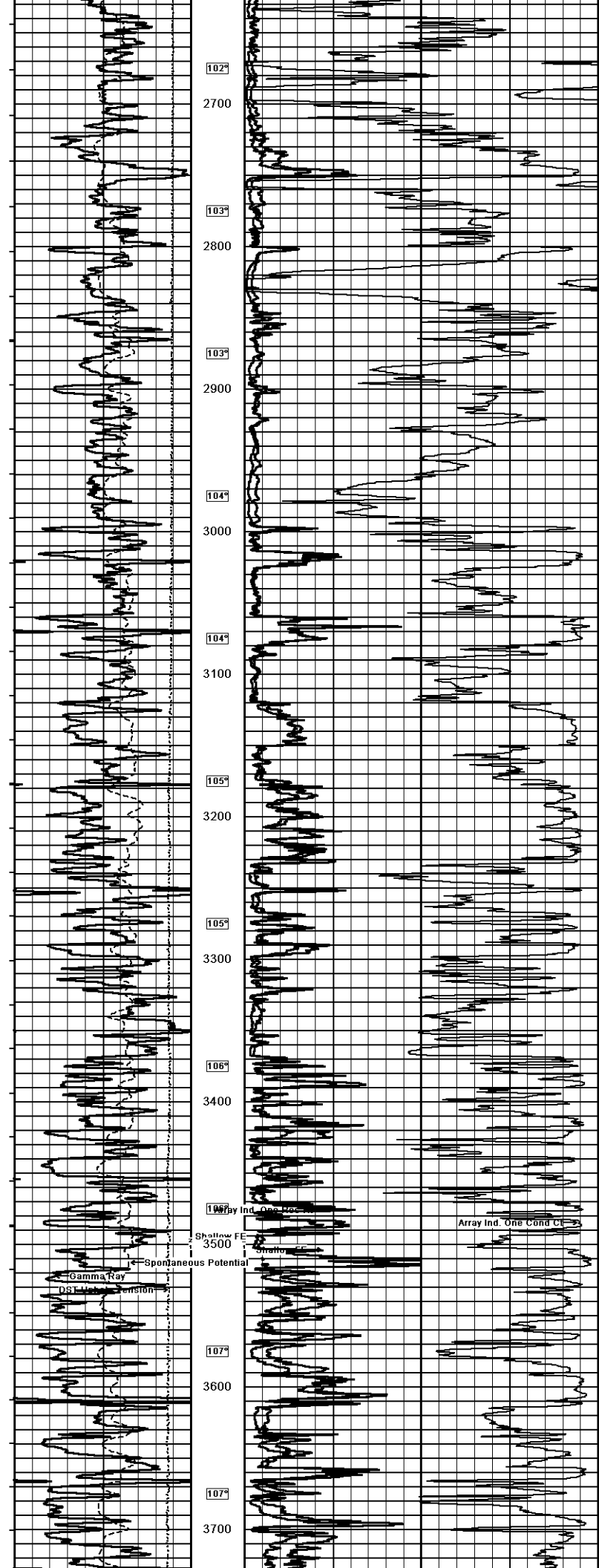
1 INCH MAIN

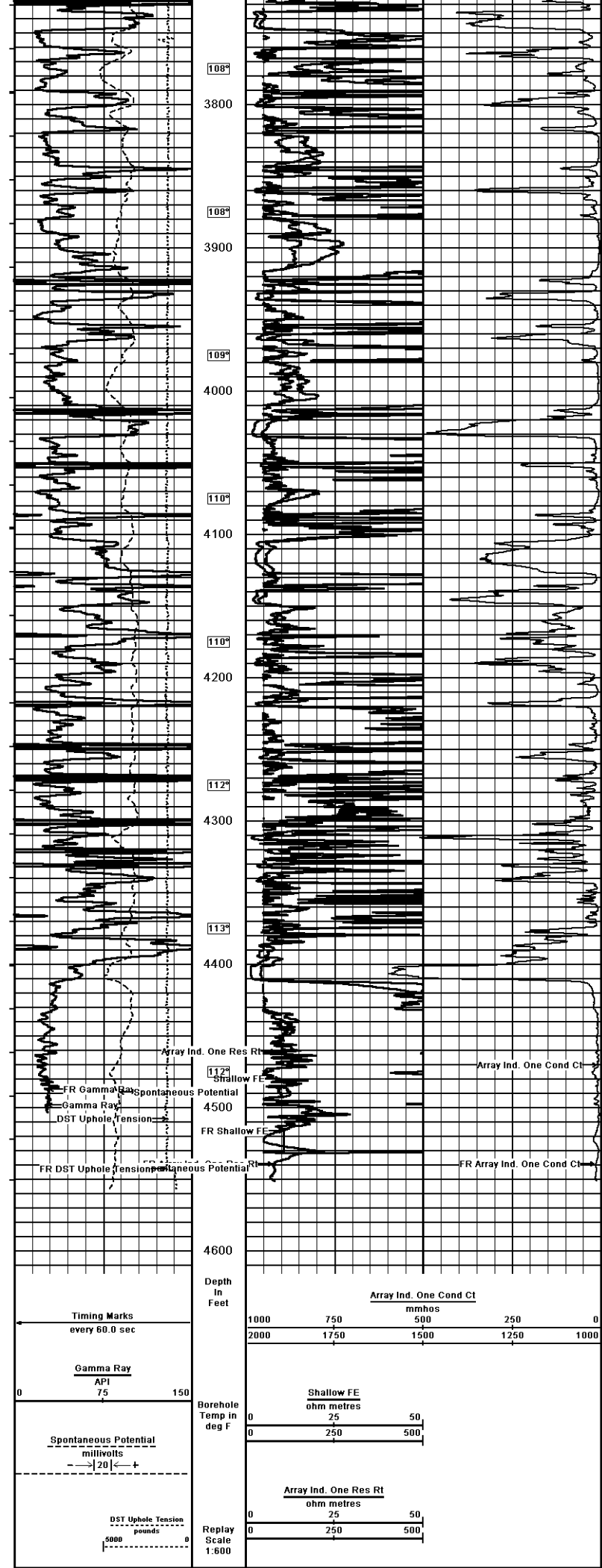
Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 14-AUG-2012 12:29
 Filename: C:\Minimus 13.02.6600\Data\Shakespeare Foster #1-17\Shakespeare Foster #1-17_004.dta Recorded on 14-AUG-2012 09:51
 System Versions: Processed with 13.02.6600 Plotted with 13.02.6600












COMPANY	SHAKESPEARE OIL COMPANY, INC.		
WELL	FOSTER #1-17		
FIELD	WILDCAT		
PROVINCE/COUNTY	LOGAN		
COUNTRY/STATE	U.S.A. / KANSAS		

Elevation Kelly Bushing	2783.00	feet	First Reading	4540.00	feet
Elevation Drill Floor	2781.00	feet	Depth Driller	4550.00	feet
Elevation Ground Level	2773.00	feet	Depth Logger	4543.00	feet

	ARRAY INDUCTION
	SHALLOW FOCUSED
	ELECTRIC LOG