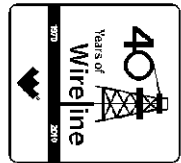




Weatherford[®]

ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG

COMPANY GRAND MESA OPERATING
 WELL CSC #1-21
 FIELD WILDCAT
 PROVINCE/COUNTY GOVE
 COUNTRY/STATE U.S.A. / KANSAS
 LOCATION 1200' FNL & 1040' FWL



SEC TWP RGE Other Services
 21 13S 31W MDN/MPD
 API Number 15-063-21983 MML
 Permit Number

Permanent Datum G.L., Elevation 2888 feet
 Log Measured From KB
 Drilling Measured From K.B.

Elevations: feet
 KB 2893.00
 DF 2891.00
 GL 2888.00

Date	24-APR-2012	
Run Number	ONE	
Depth Driller	4640.00	feet
Depth Logger	4644.00	feet
First Reading	4641.00	feet
Last Reading	213.00	feet
Casing Driller	213.00	feet
Casing Logger	213.00	feet
Bit Size	7.875	inches
Hole Fluid Type	CHEMICAL	
Density / Viscosity	9.30 lb/USg	56.00 CP
PH / Fluid Loss	8.00	8.00 ml/30Min
Sample Source	FLOWLINE	
Rm @ Measured Temp	0.78 @ 84.0	ohm-m
Rmf @ Measured Temp	0.62 @ 84.0	ohm-m
Rmc @ Measured Temp	0.94 @ 84.0	ohm-m
Source Rmf / Rmc	CALC	CALC
Rm @ BHT	0.56 @ 117.0	ohm-m
Time Since Circulation	4 HOURS	
Max Recorded Temp	117.00	deg F
Equipment Name	COMPACT	
Equipment / Base	13025	LIB
Recorded By	R. HOFFMAN	
Witnessed By	KENT MATSON	
S.O. # / JOB #	3534649	LB12-104

BOREHOLE RECORD Last Edited: 24-APR-2012 22:42

Bit Size inches	Depth From feet	Depth To feet
7.875	213.00	4640.00

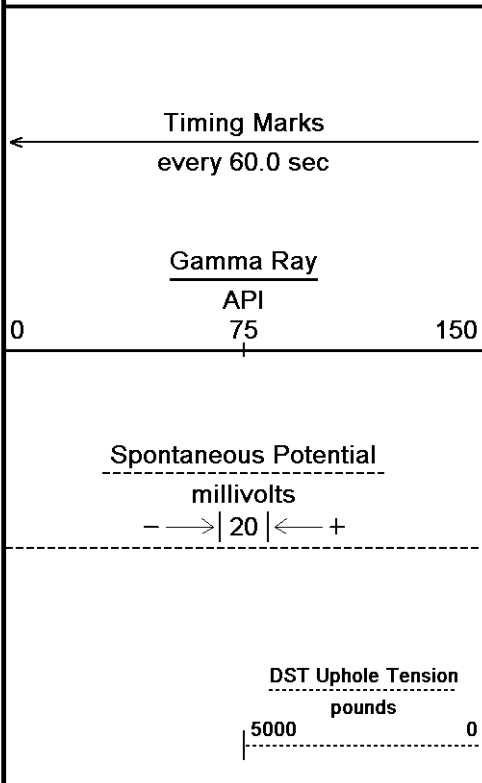
CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	213.00	24.00

REMARKS

Tools Ran: MCG, MML, MDN, MPD, SKJ, 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.
 Annular volume with 5.5 inch production casing = 219 cu. ft.
 Service order #3534649
 Rig: Murfin Drilling Rig #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.

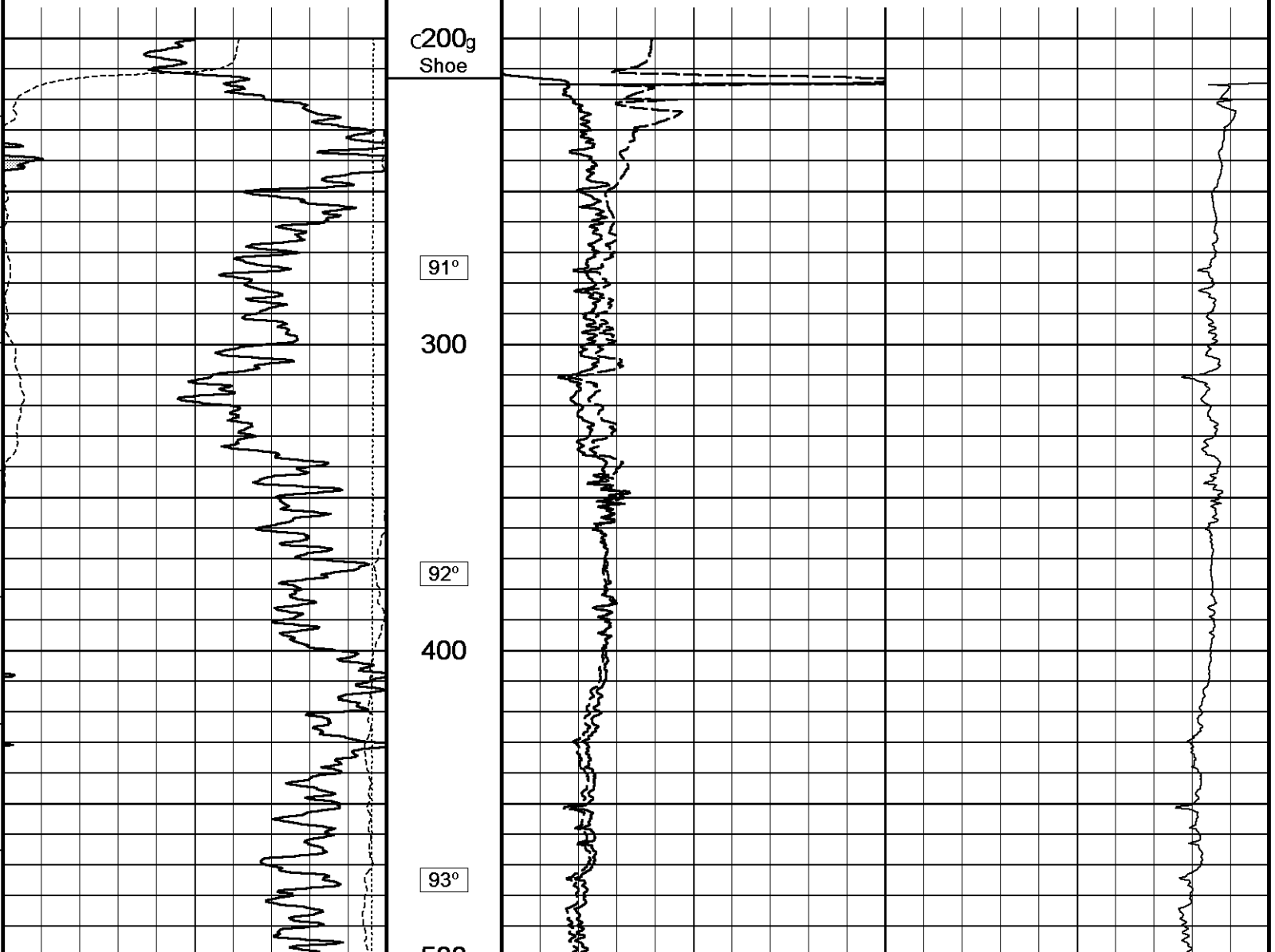
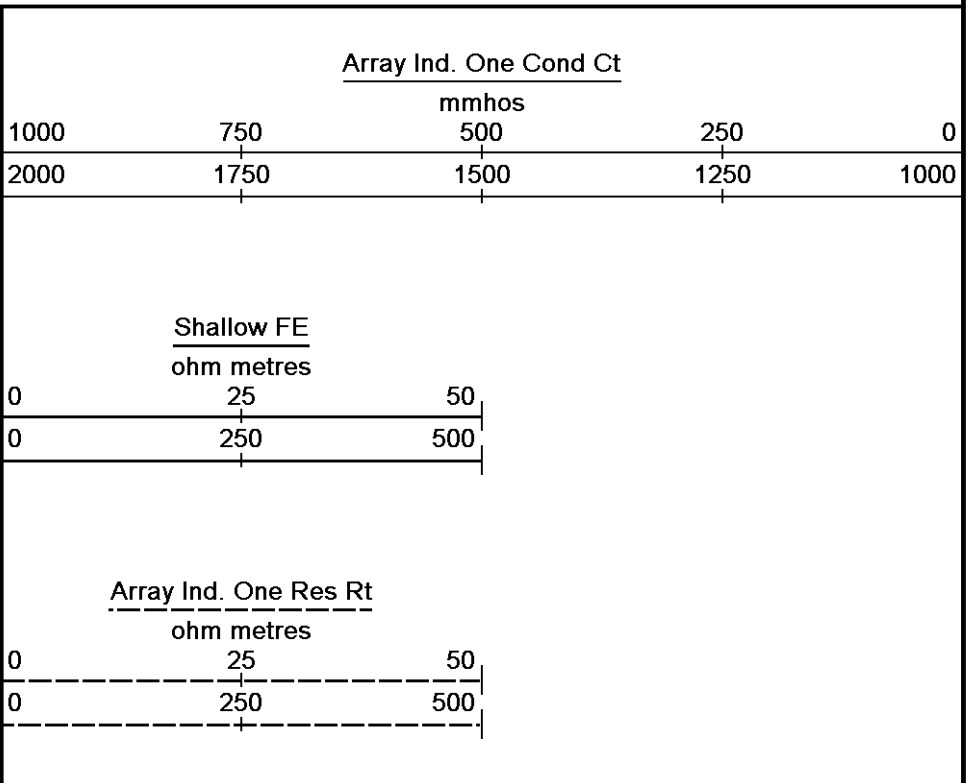


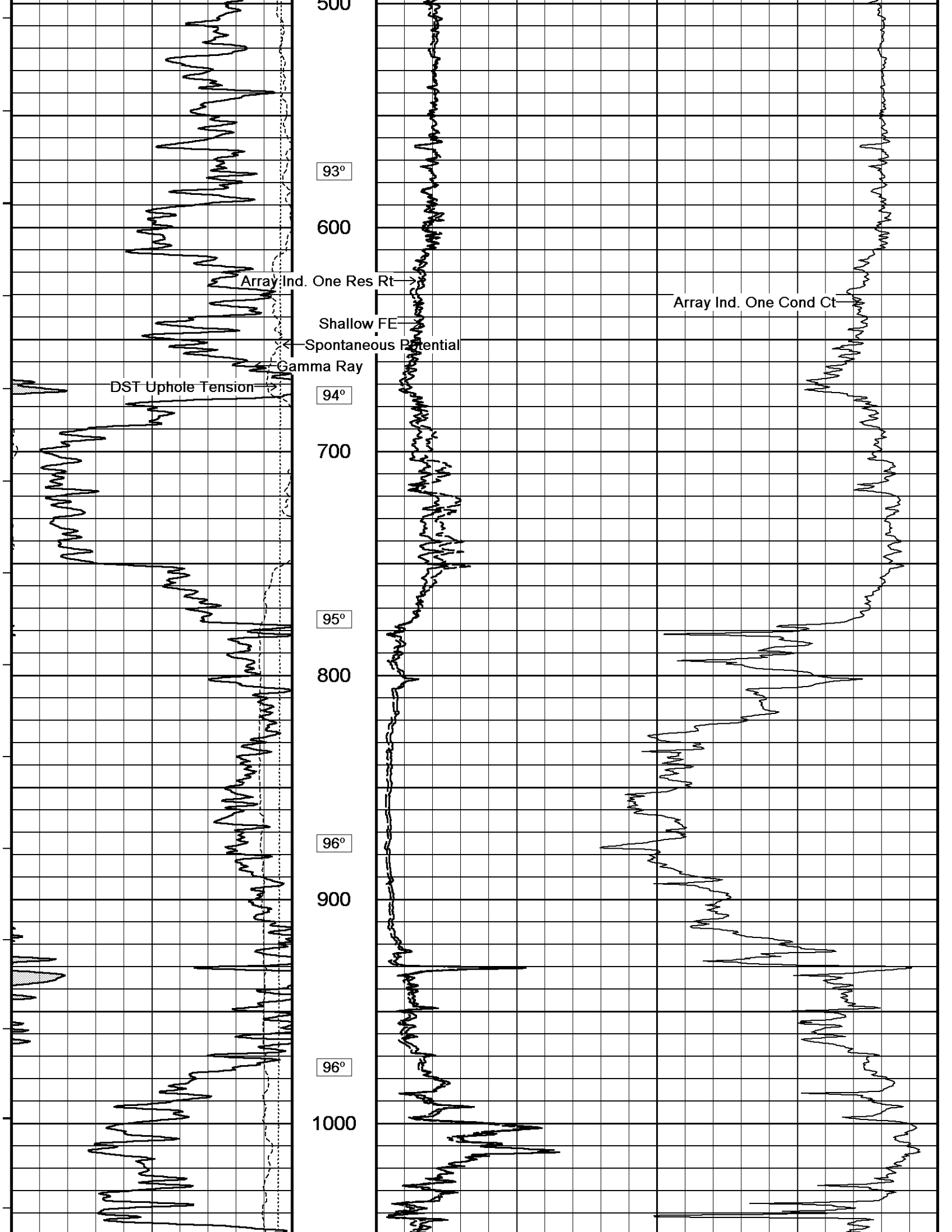
Depth
in
Feet

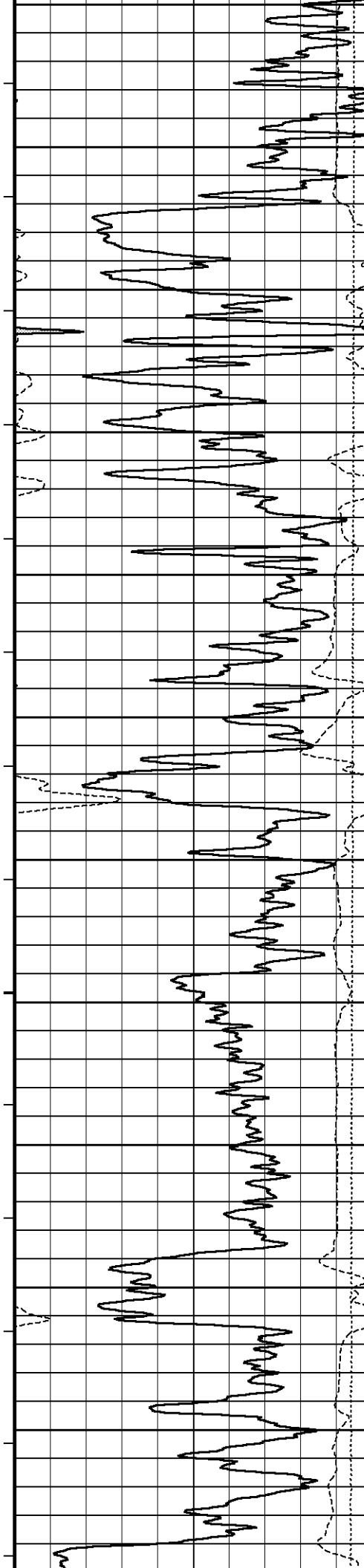
Borehole
Temp in
deg F

Replay
Scale
1:600

200g
Shoe







97°

1100

98°

1200

99°

1300

100°

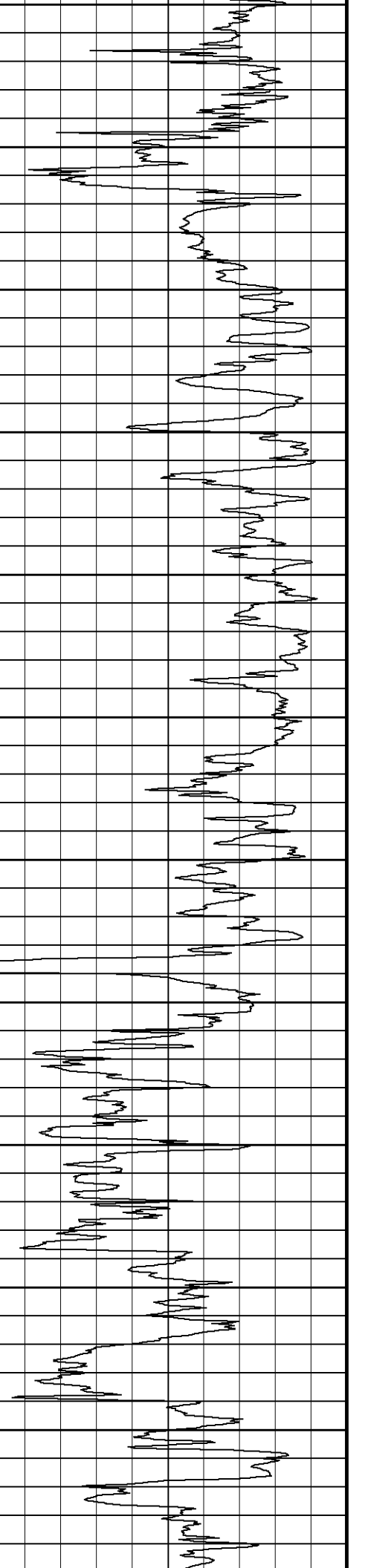
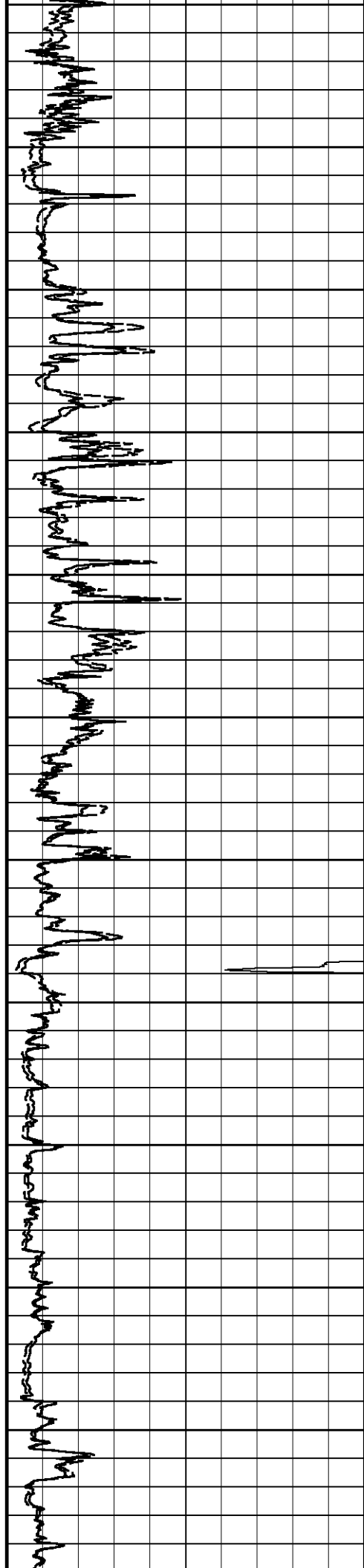
1400

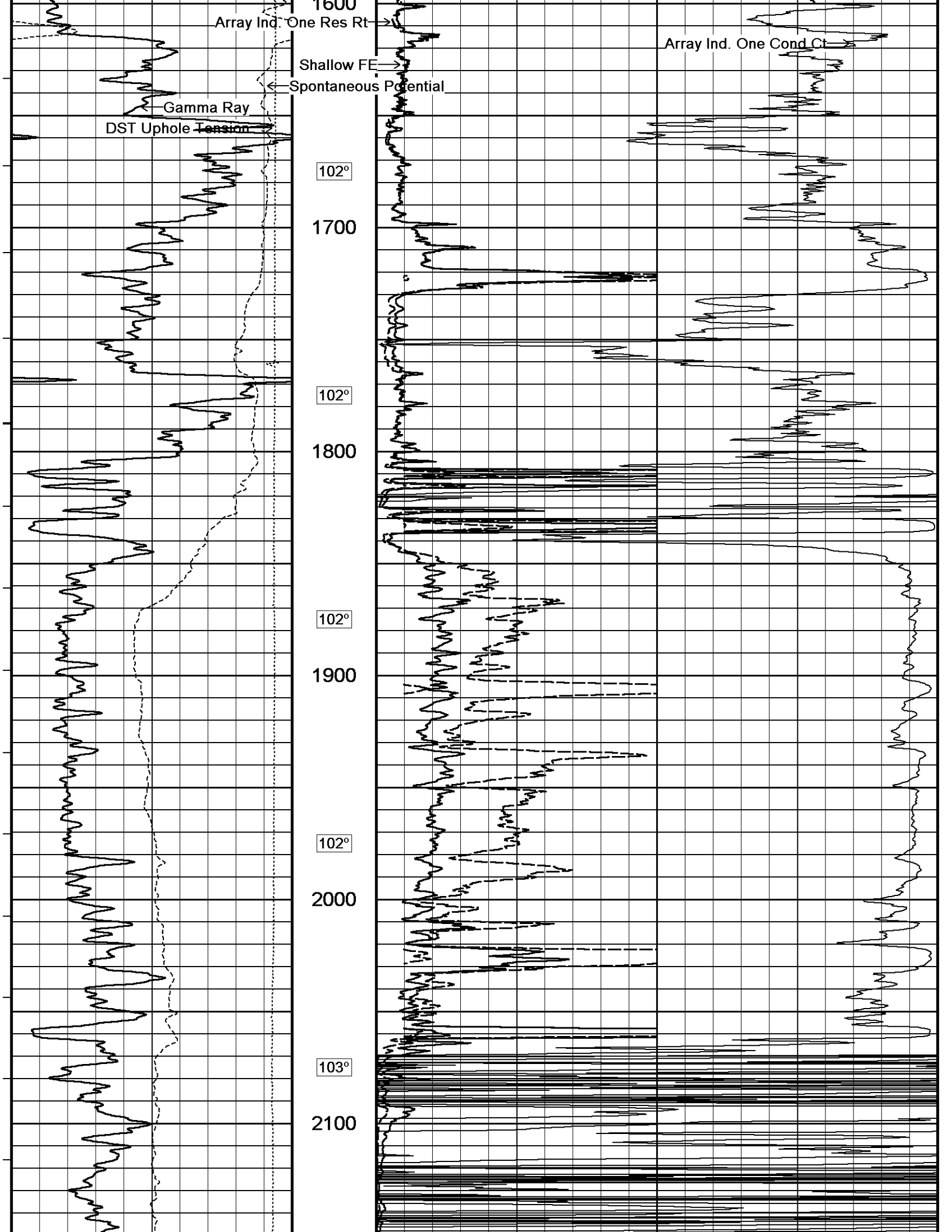
100°

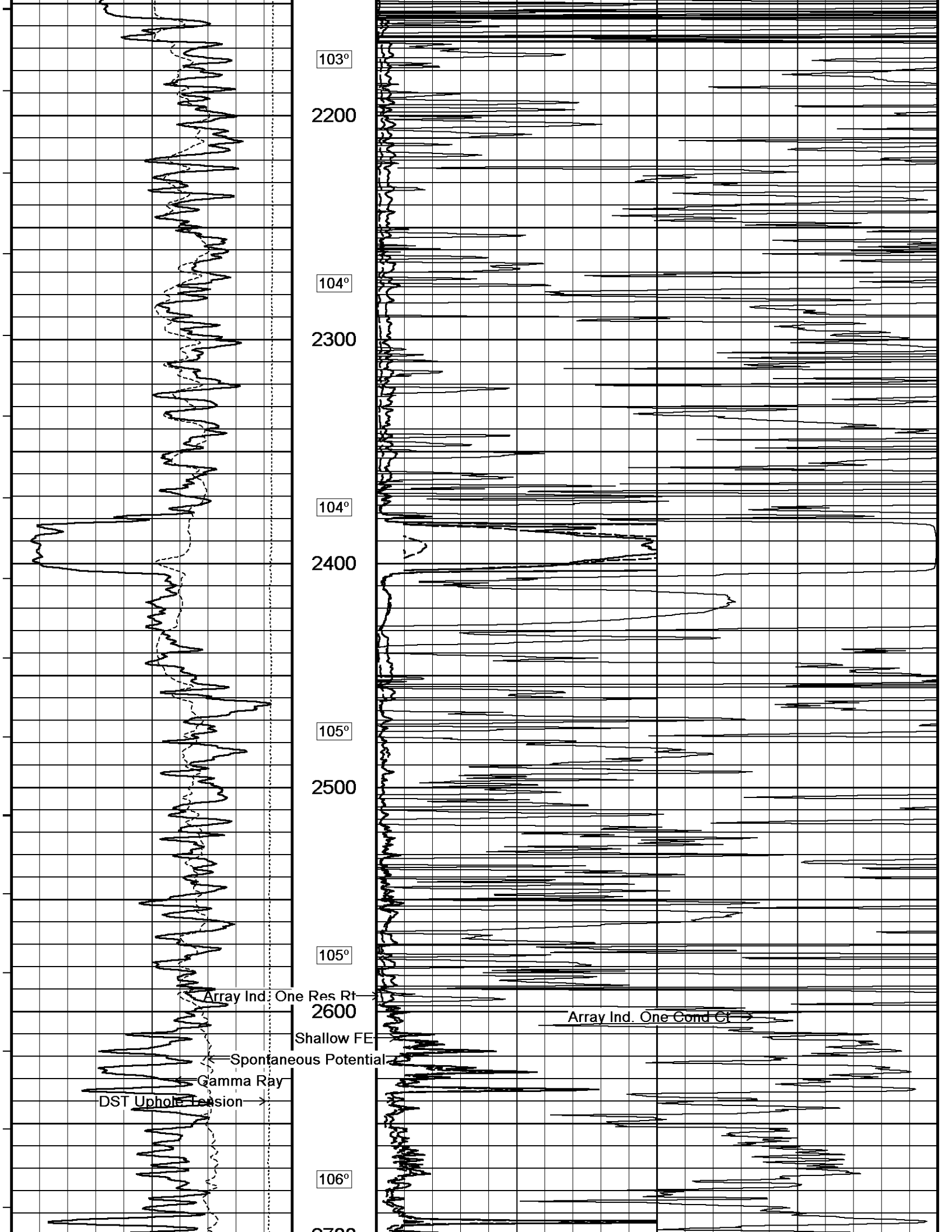
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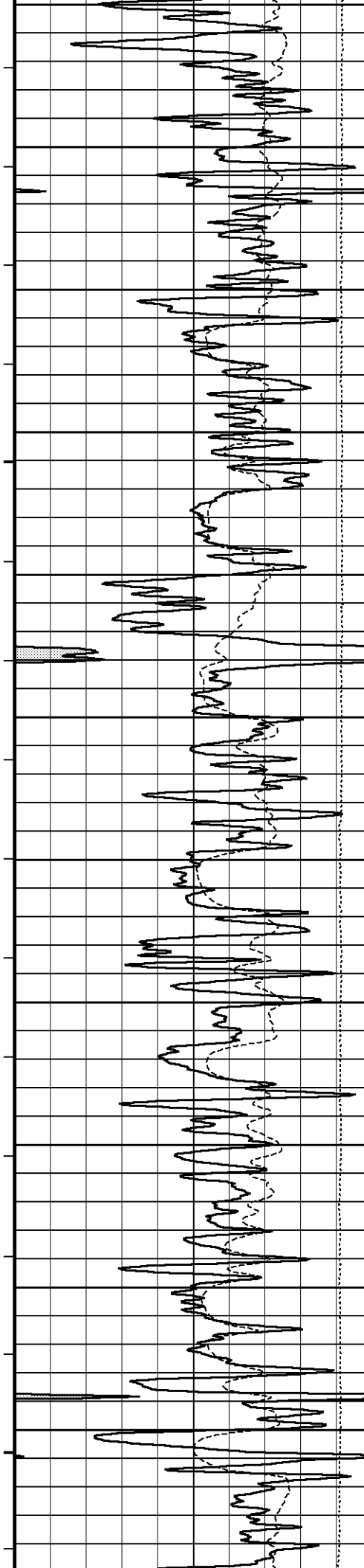
101°

1600

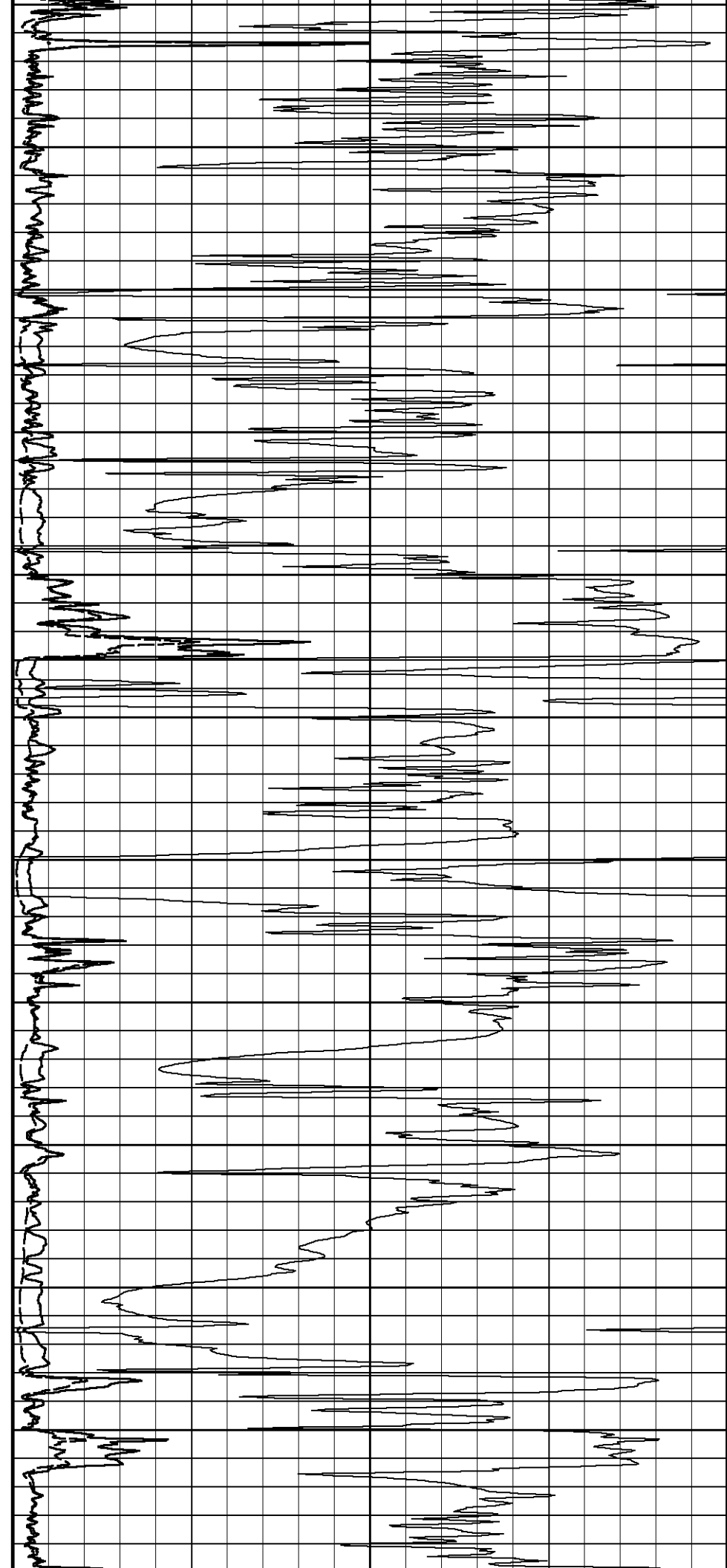


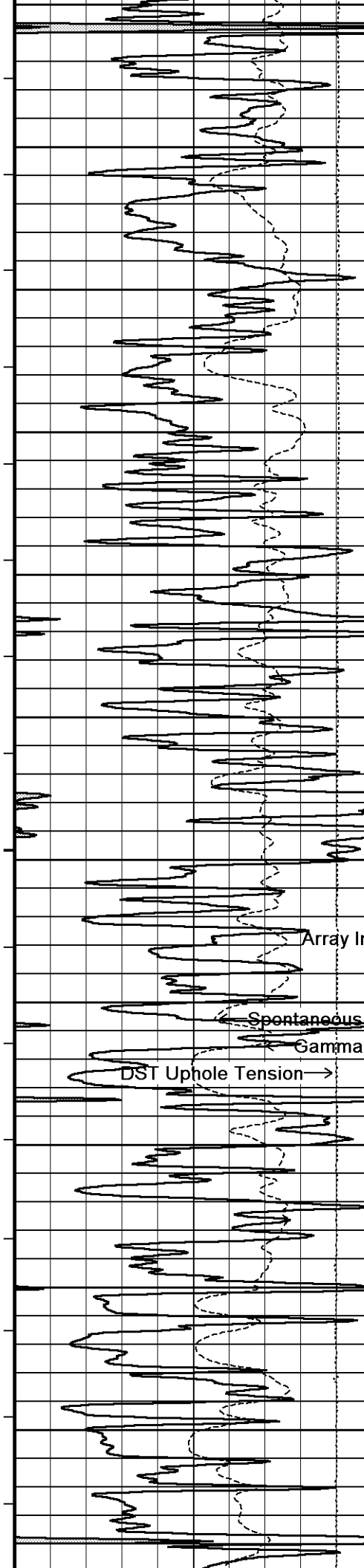




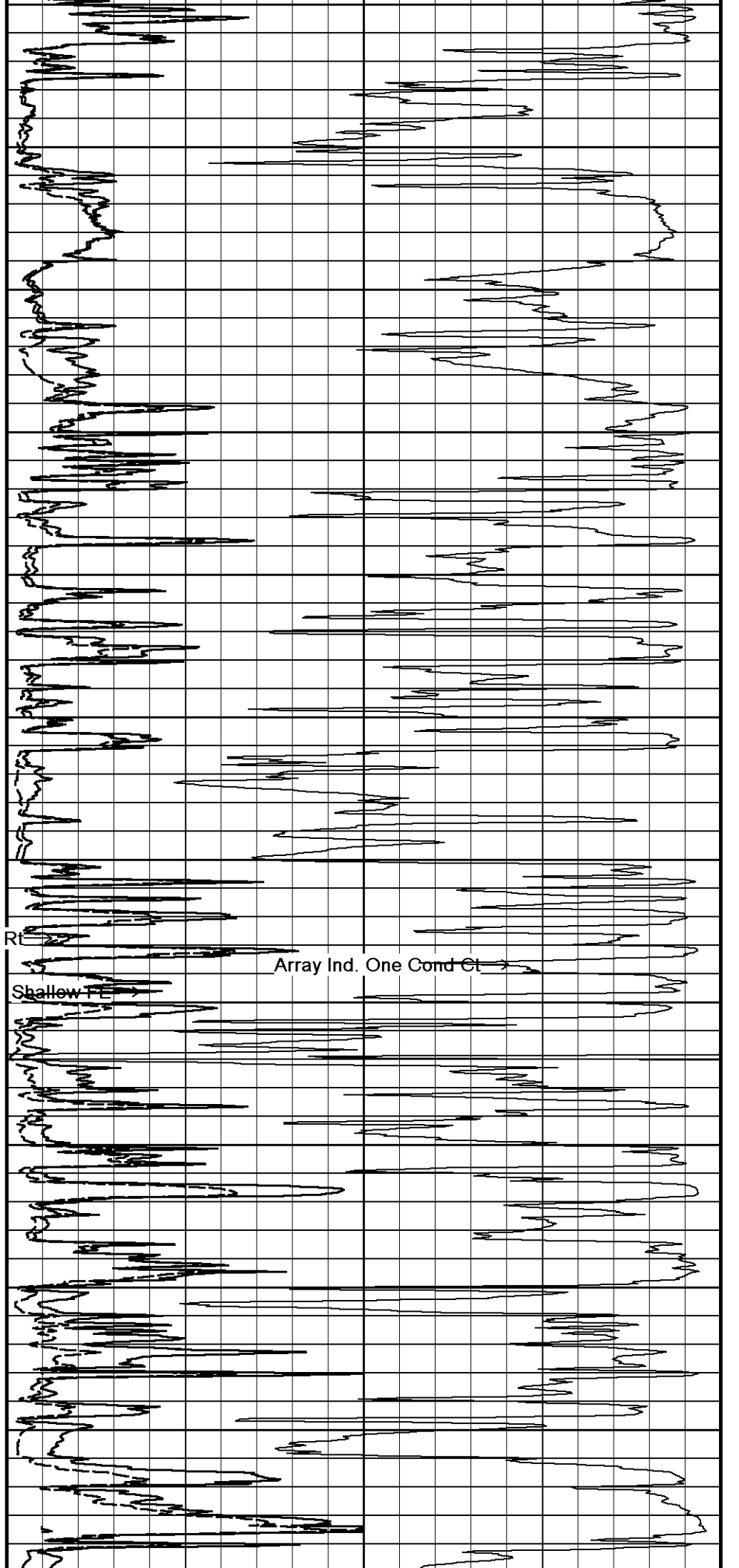


2700
107°
2800
107°
2900
108°
3000
108°
3100
109°
3200



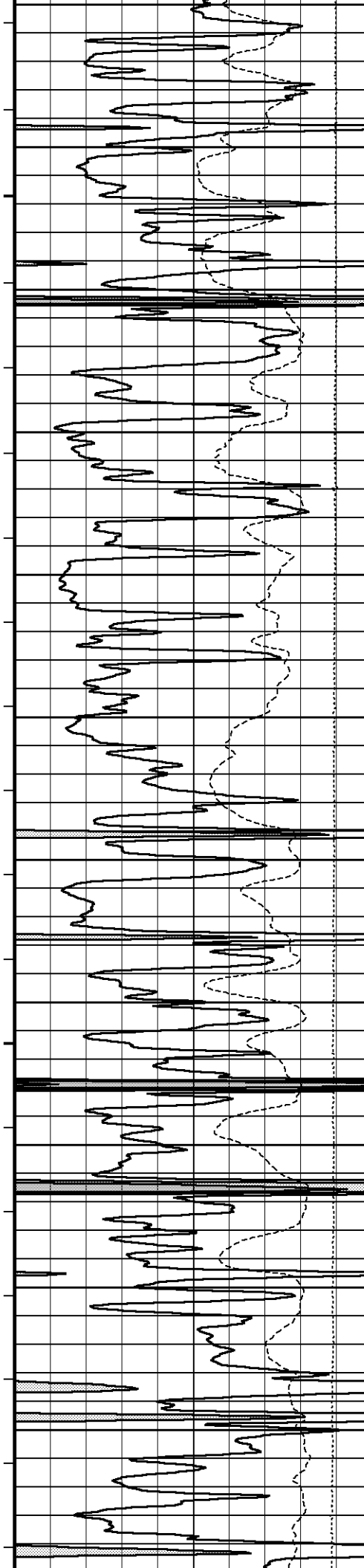


109°
3300
110°
3400
111°
3500
111°
3600
112°
3700
112°
3800



Array Ind. One Res Rt
Spontaneous Potential
Gamma Ray
DST Uphole Tension →

Array Ind. One Cond Ct
Shallow FE →



3800

112°

3900

113°

4000

113°

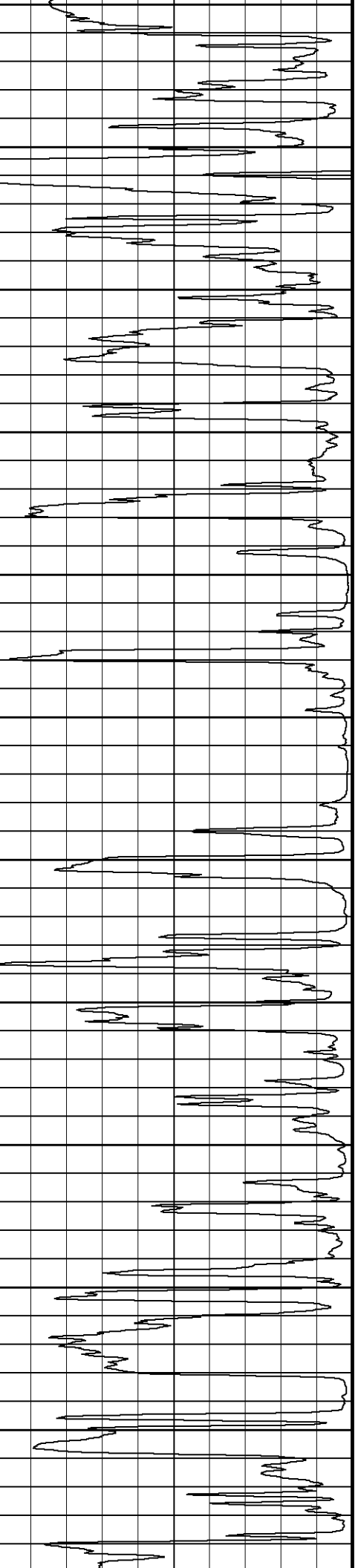
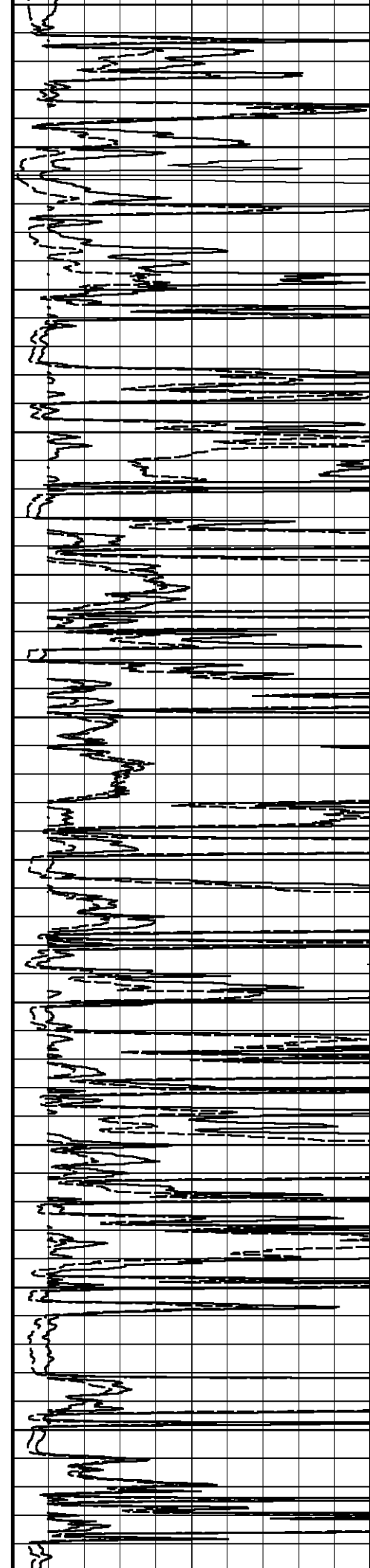
4100

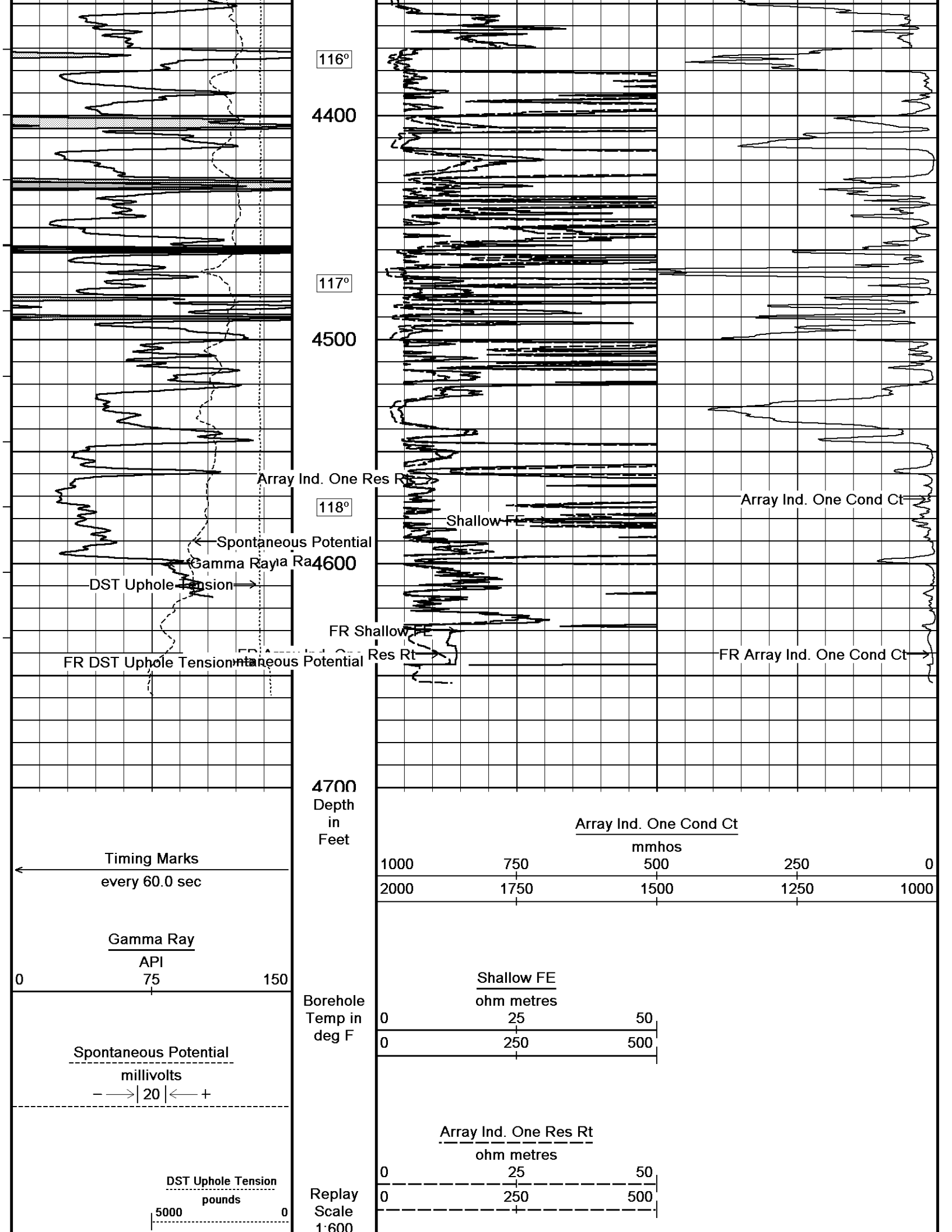
114°

4200

115°

4300





Depth Based Data - Maximum Sampling Increment 10.0cm

Plotted on 25-APR-2012 02:04

Filename: C:\Minimus 11.03.4044\Data\Grand Mesa CSC 1-21\Grand Mesa CSC 1-21_003.dta

Recorded on 24-APR-2012 23:50

System Versions: Logged with 11.03.4044 Plotted with 11.03.4044



2 INCH MAIN



5 INCH MAIN



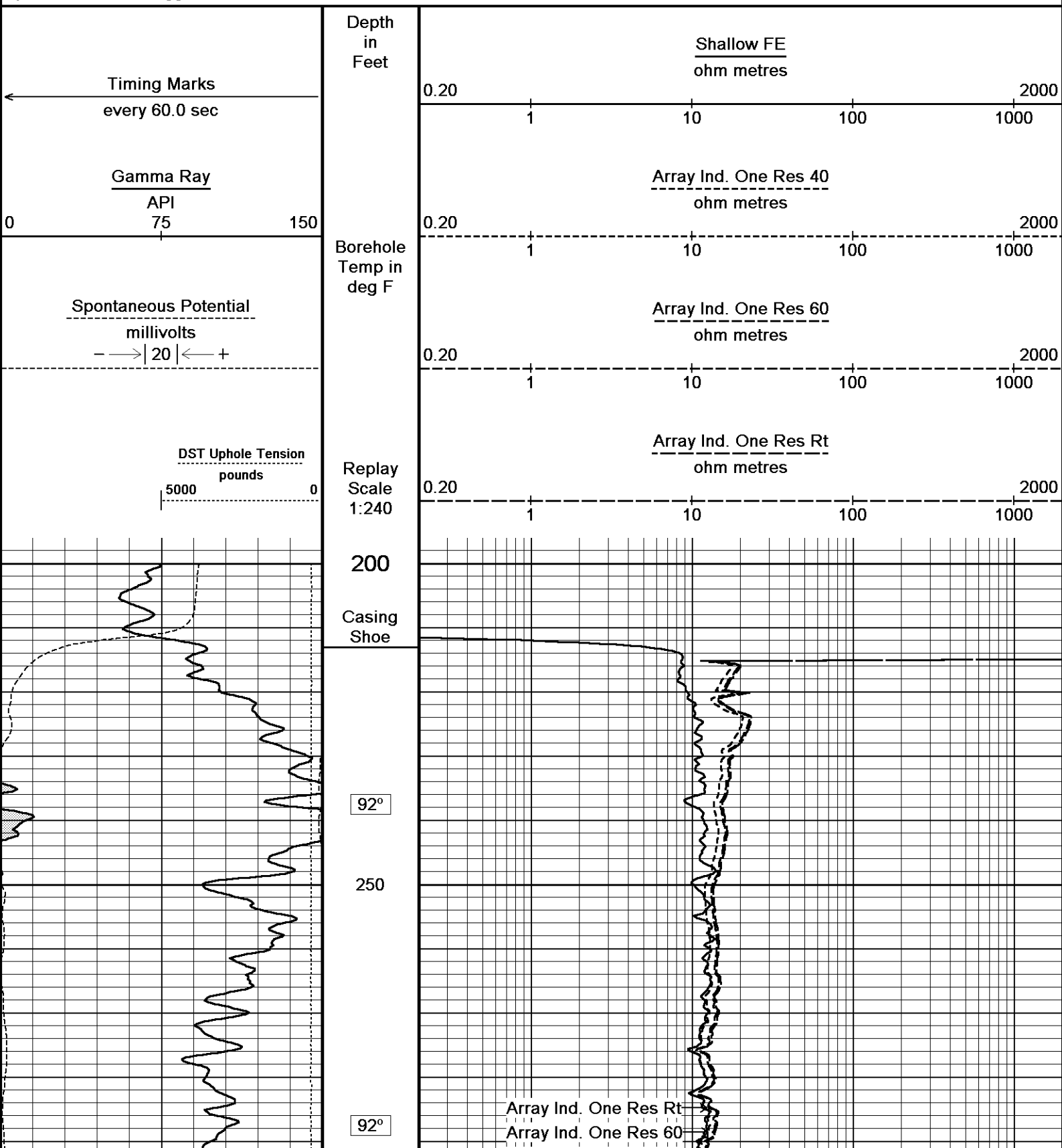
Depth Based Data - Maximum Sampling Increment 10.0cm

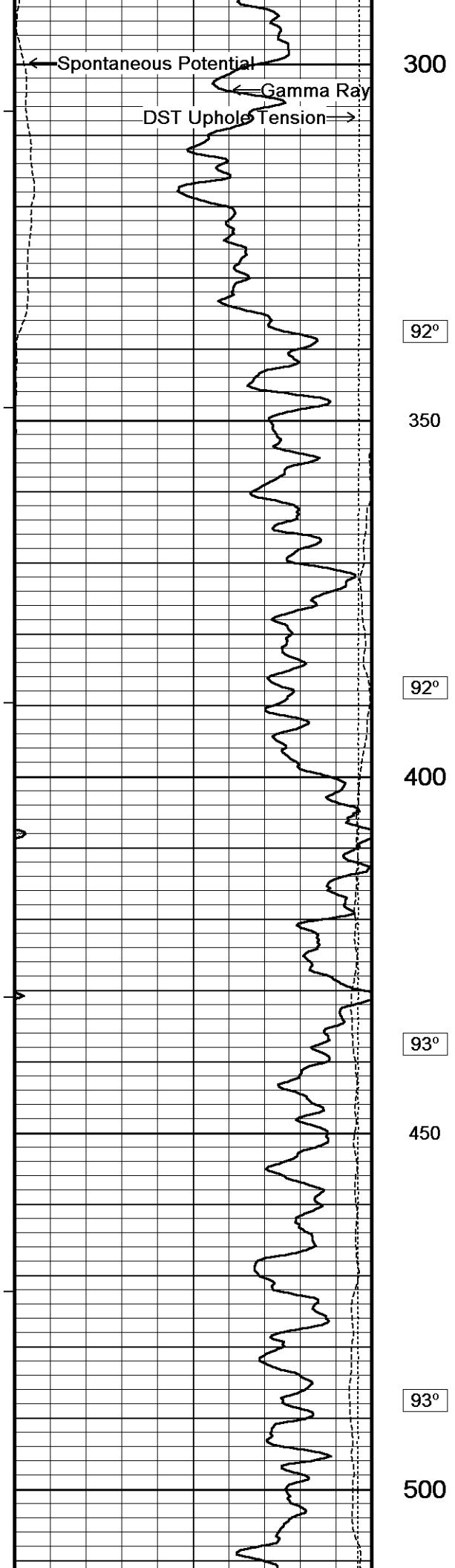
Plotted on 25-APR-2012 02:04

Filename: C:\Minimus 11.03.4044\Data\Grand Mesa CSC 1-21\Grand Mesa CSC 1-21_003.dta

Recorded on 24-APR-2012 23:50

System Versions: Logged with 11.03.4044 Plotted with 11.03.4044





300

92°

350

92°

400

93°

450

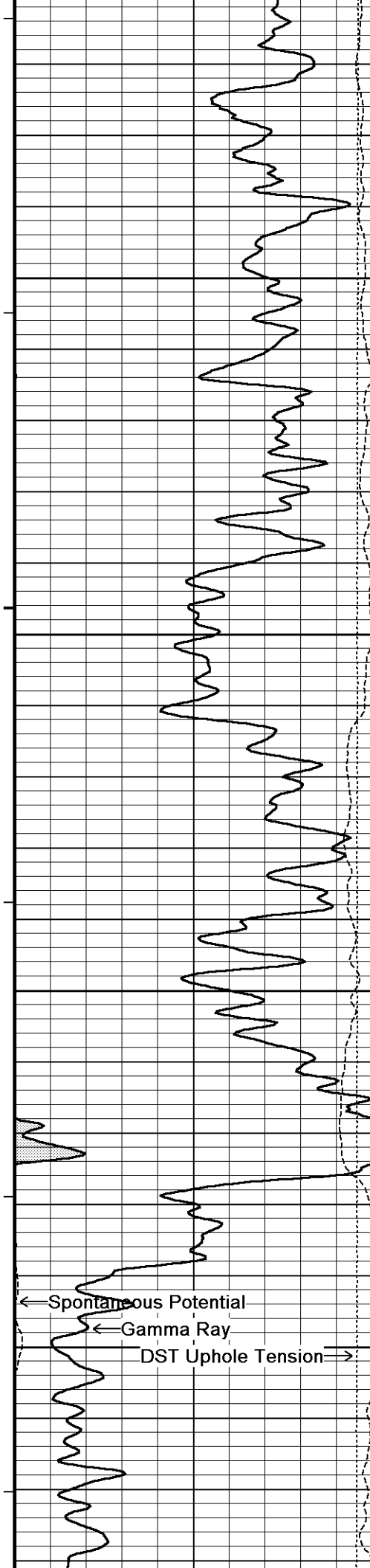
93°

500

Array Ind. One Res 40

Shallow FE





93°

550

93°

600

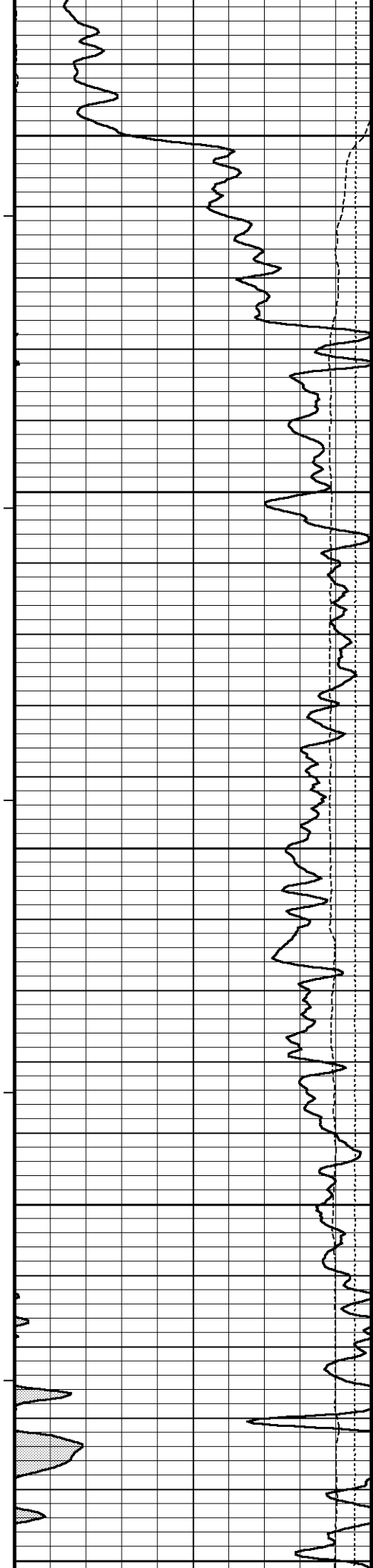
94°

650

94°

700

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



95°

750

95°

800

96°

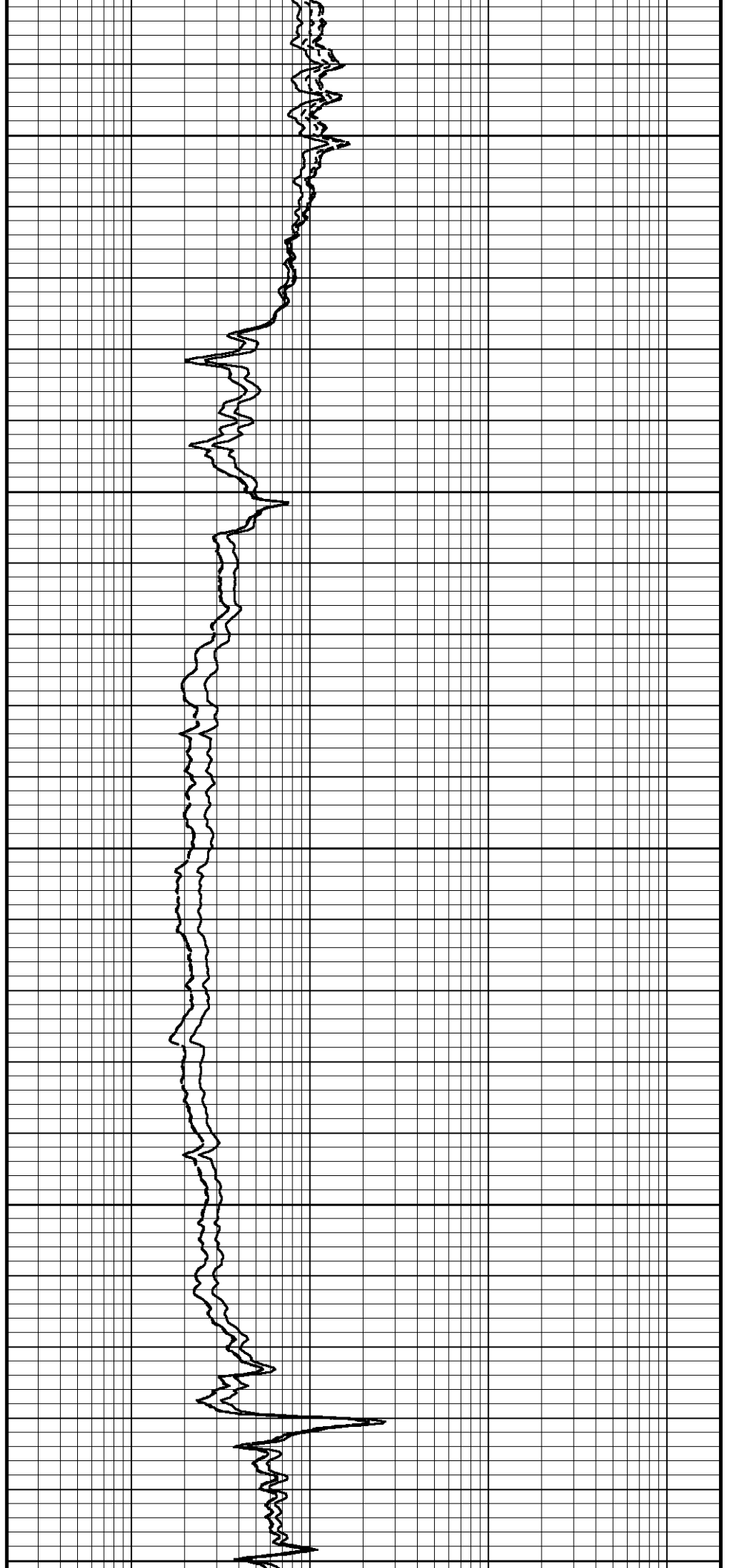
850

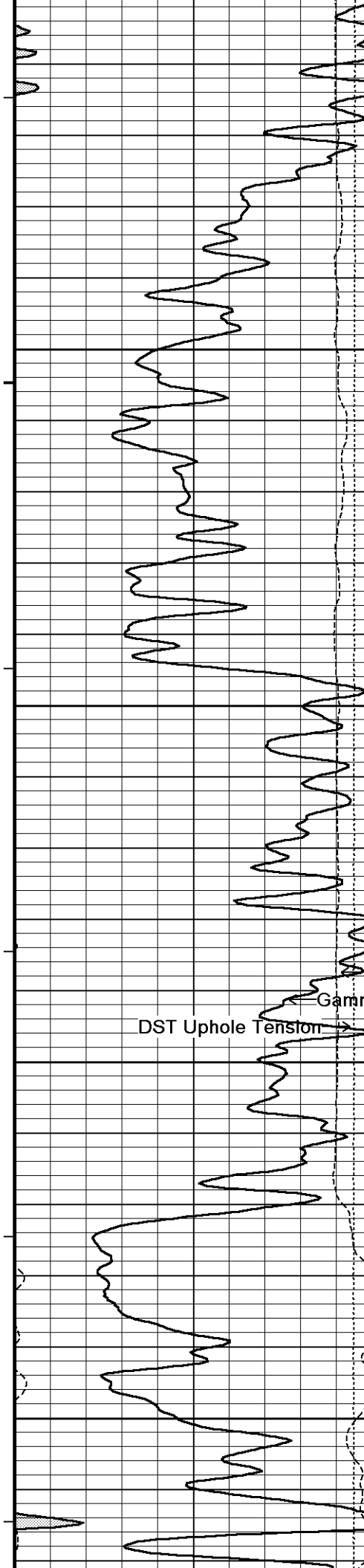
96°

900

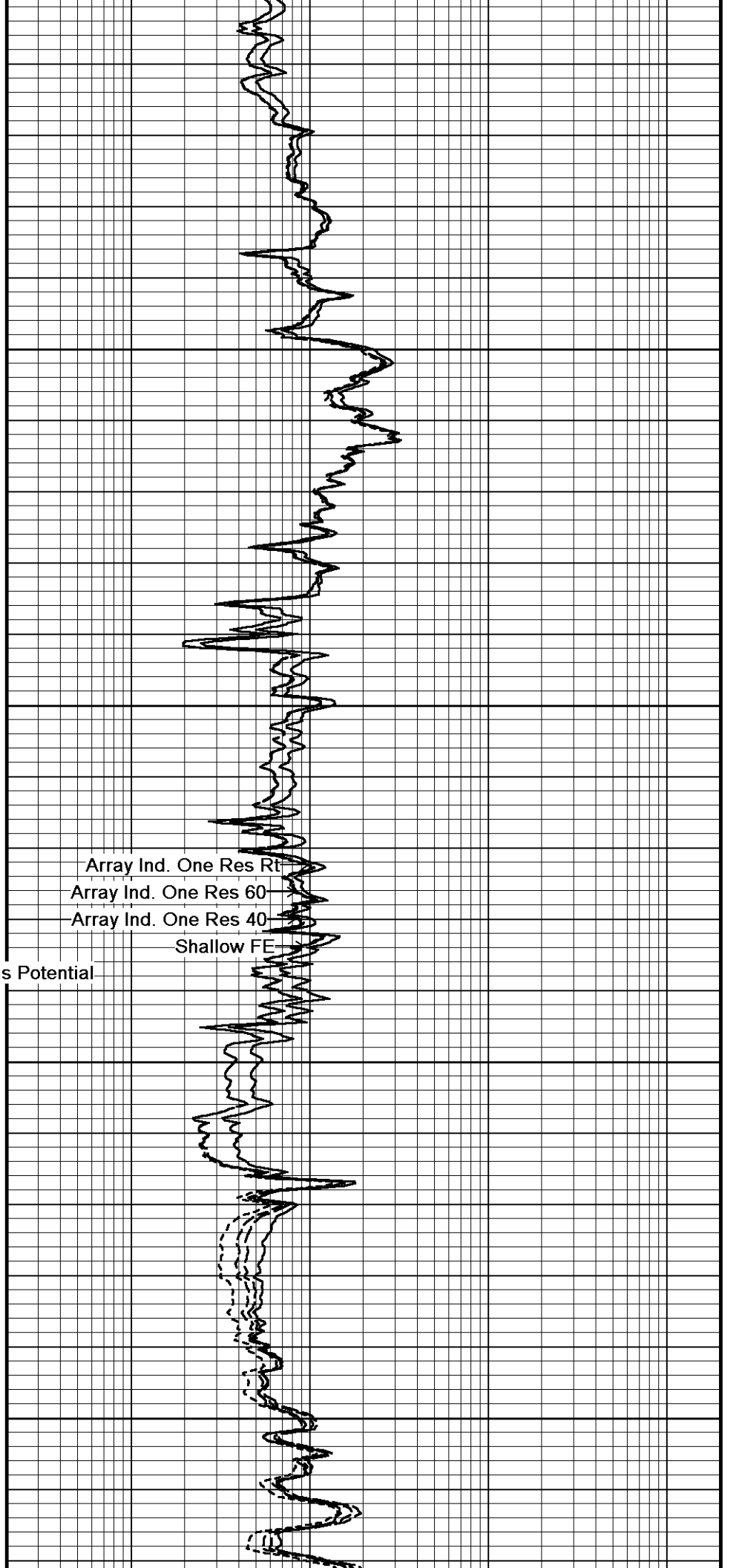
96°

950



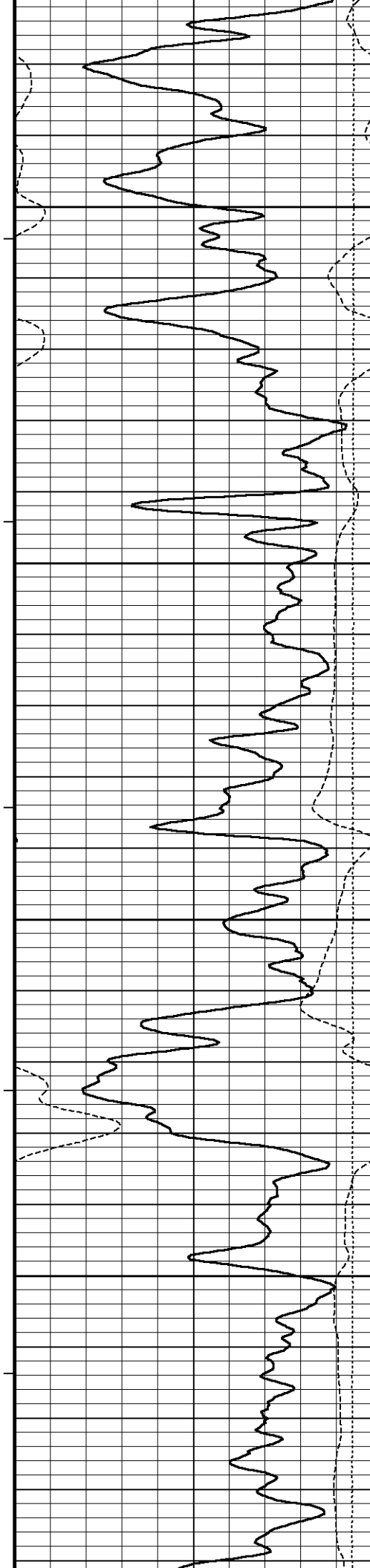


96°
1000
97°
1050
1100
98°
1150



Array Ind. One Res R1
Array Ind. One Res 60
Array Ind. One Res 40
Shallow FE

Spontaneous Potential
Gamma Ray
DST Uphole Tensor



98°

1200

99°

1250

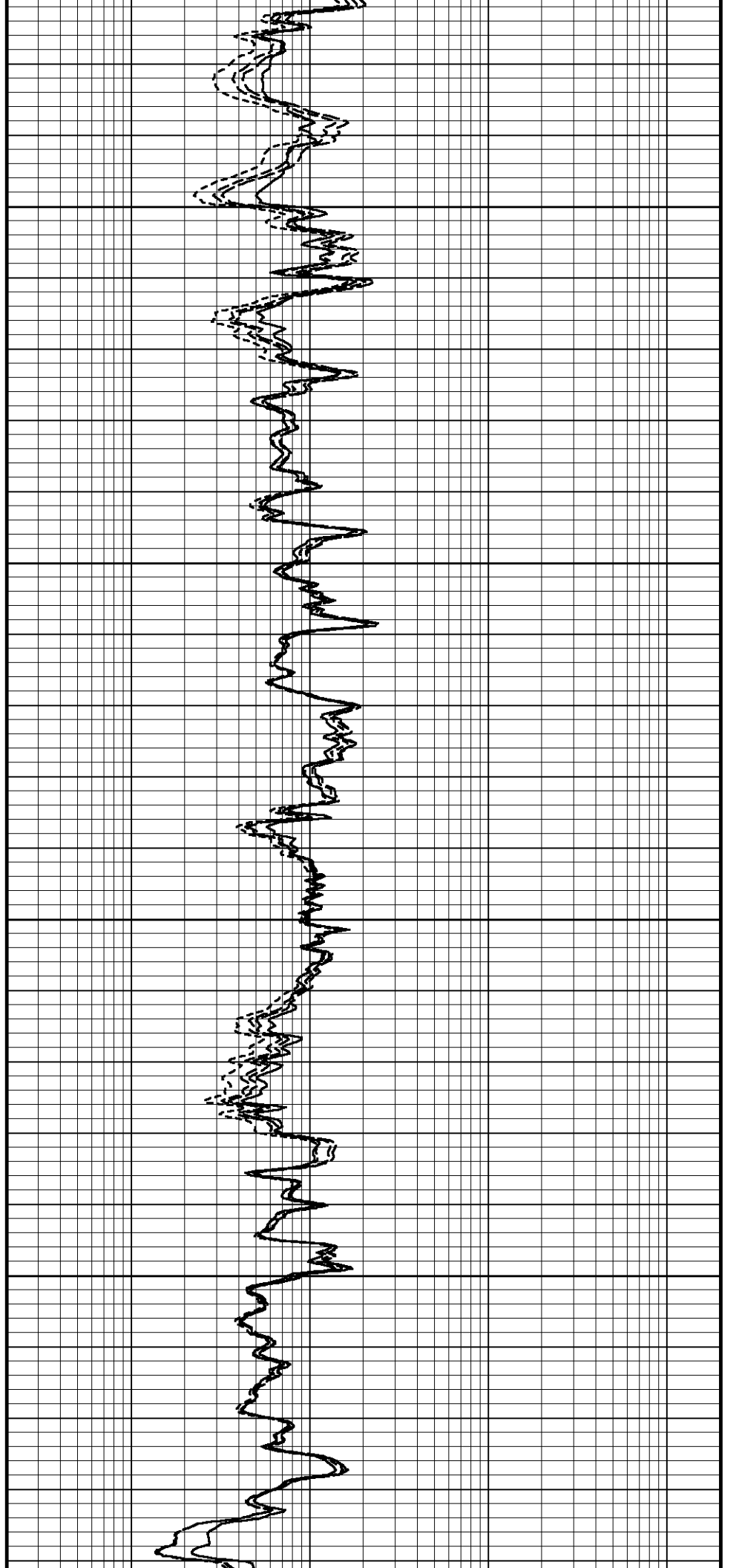
99°

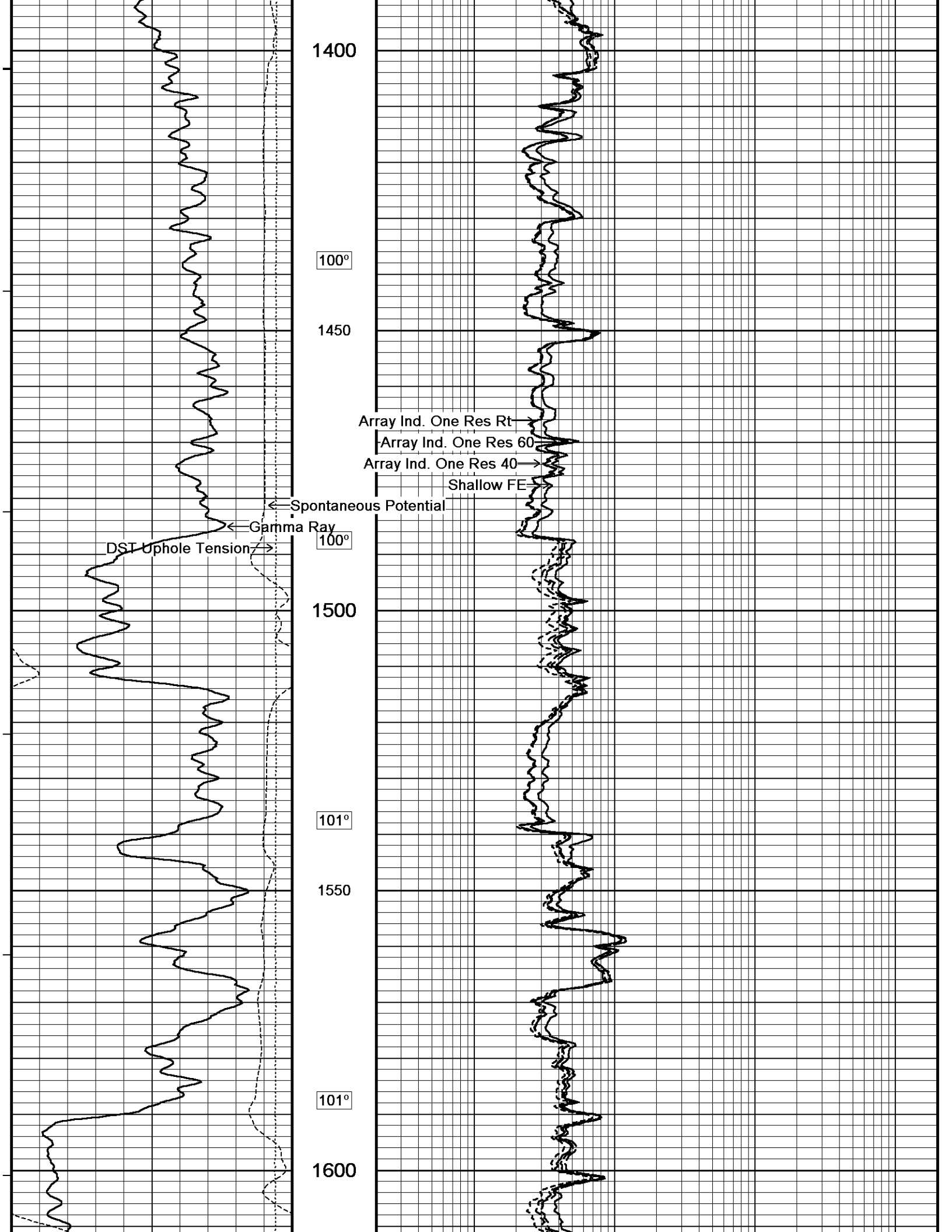
1300

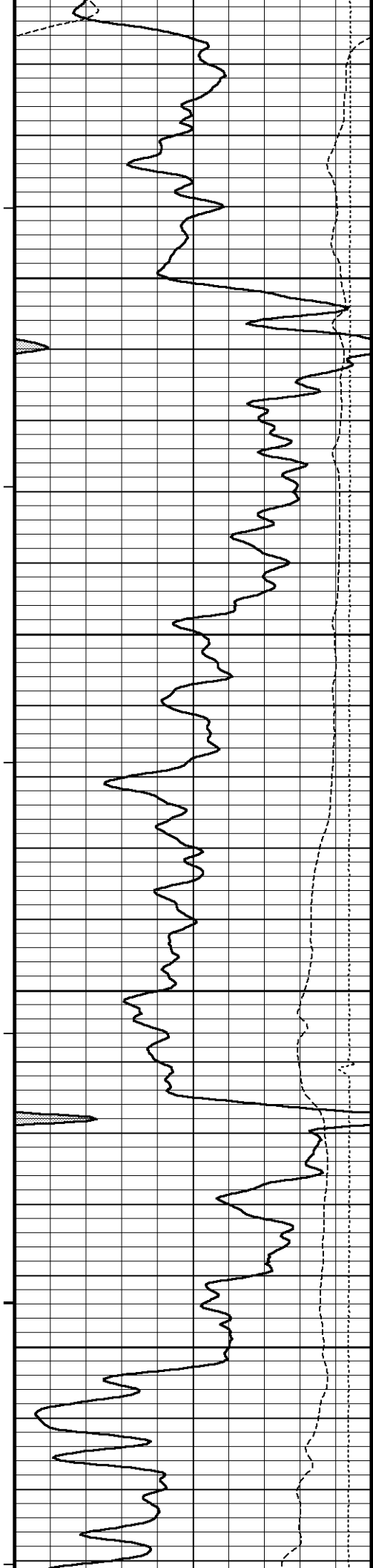
100°

1350

100°







102°

1650

102°

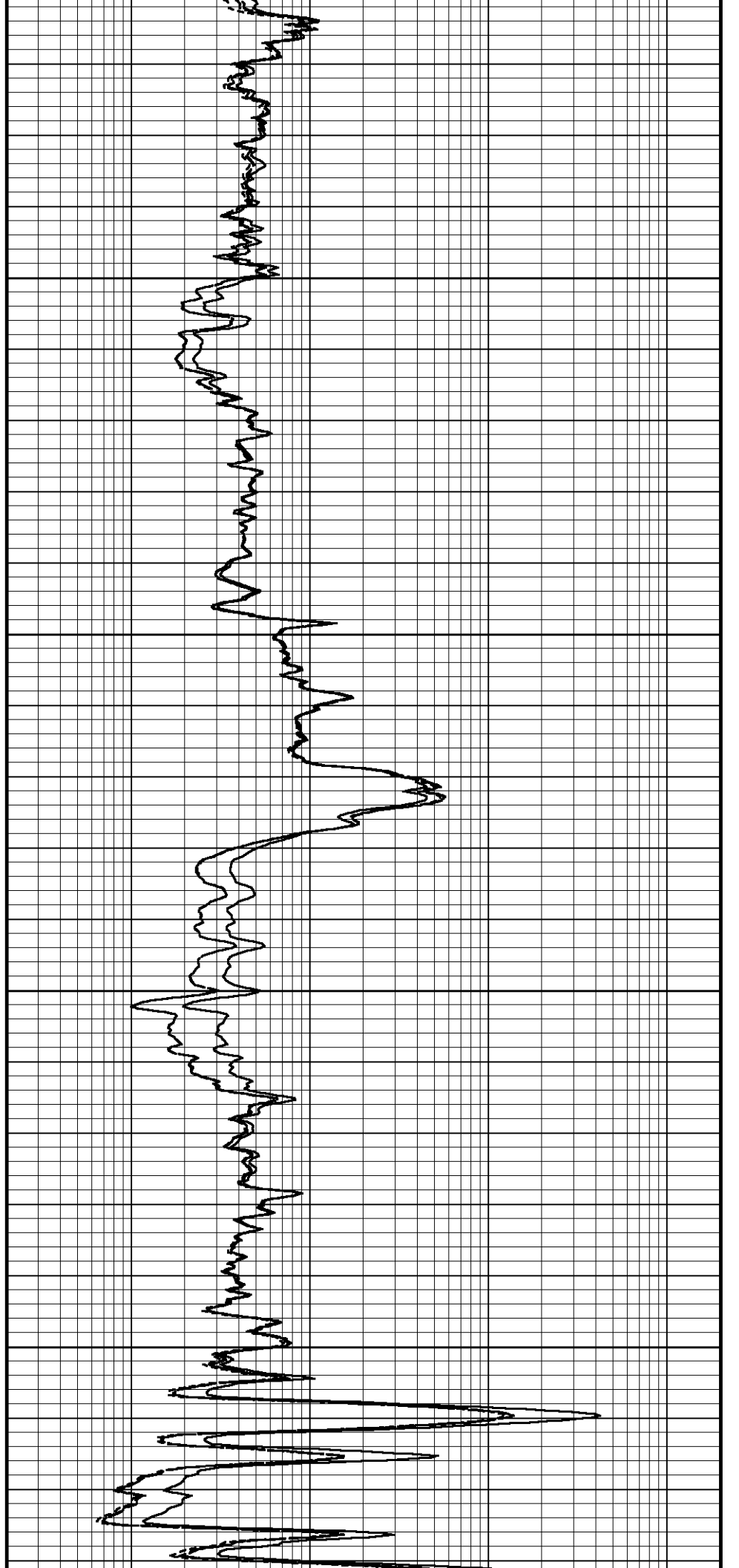
1700

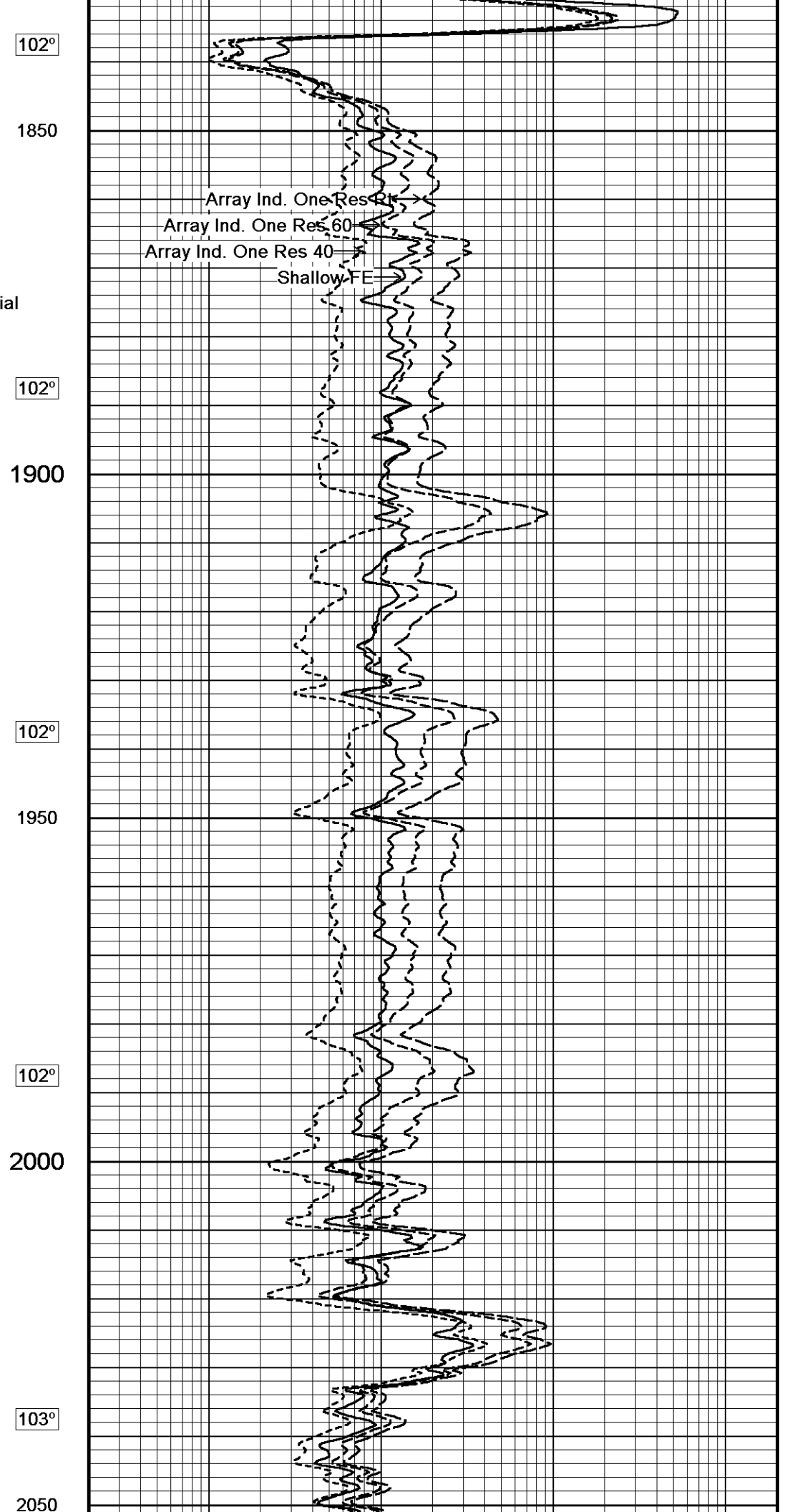
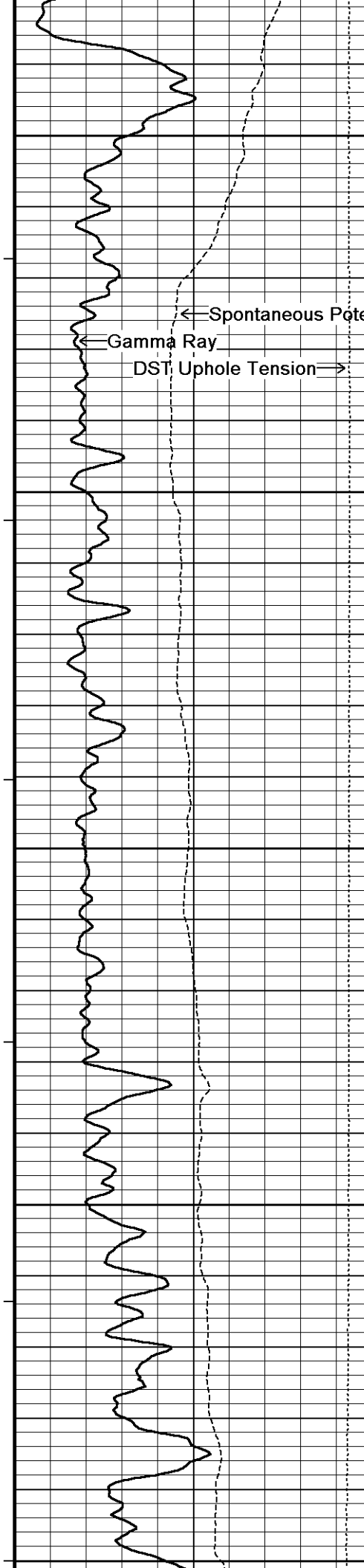
102°

1750

102°

1800





102°

1850

Array Ind. One Res 20

Array Ind. One Res 60

Array Ind. One Res 40

Shallow FE

← Spontaneous Potential

← Gamma Ray

DST Uphole Tension →

102°

1900

102°

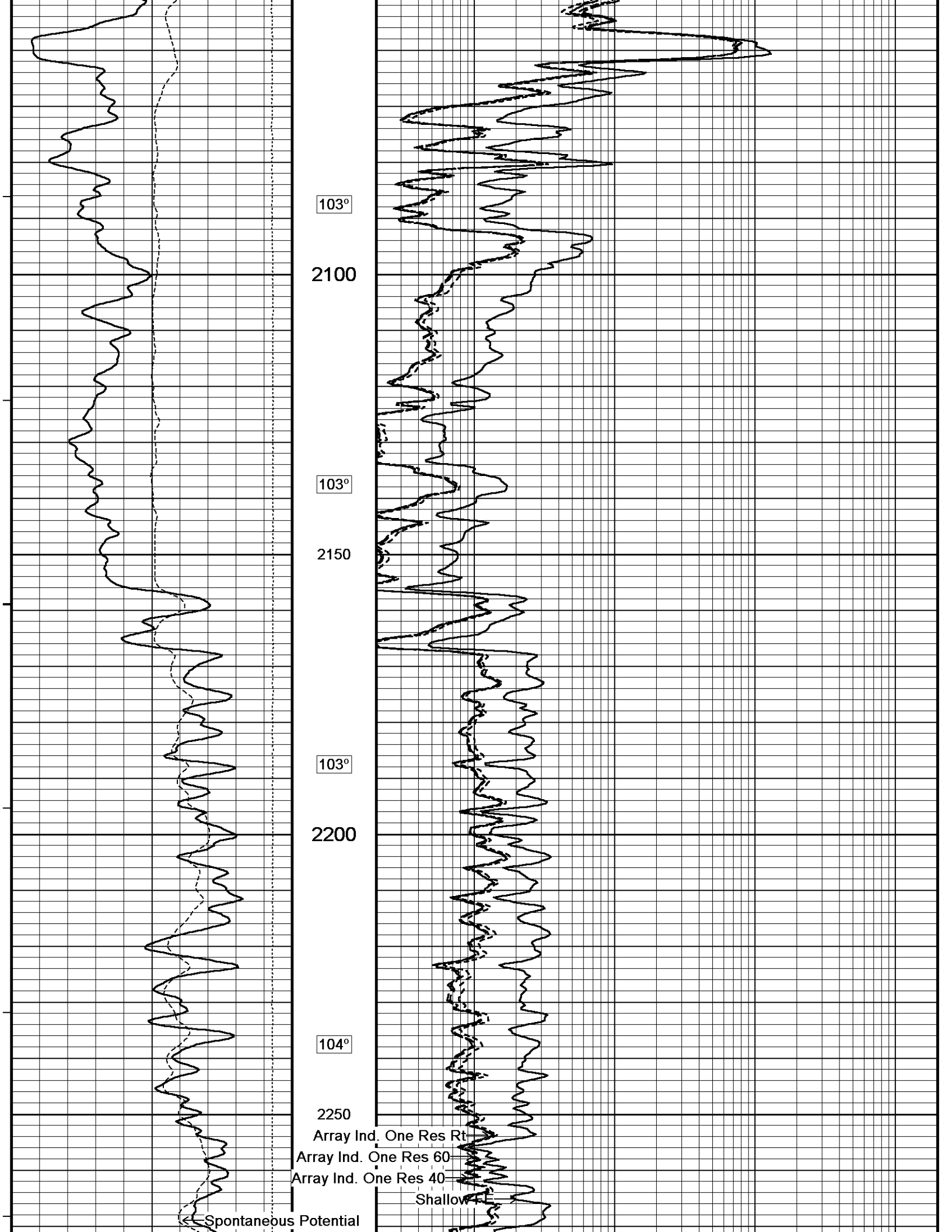
1950

102°

2000

103°

2050



103°

2100

103°

2150

103°

2200

104°

2250

Array Ind. One Res Rt

Array Ind. One Res 60

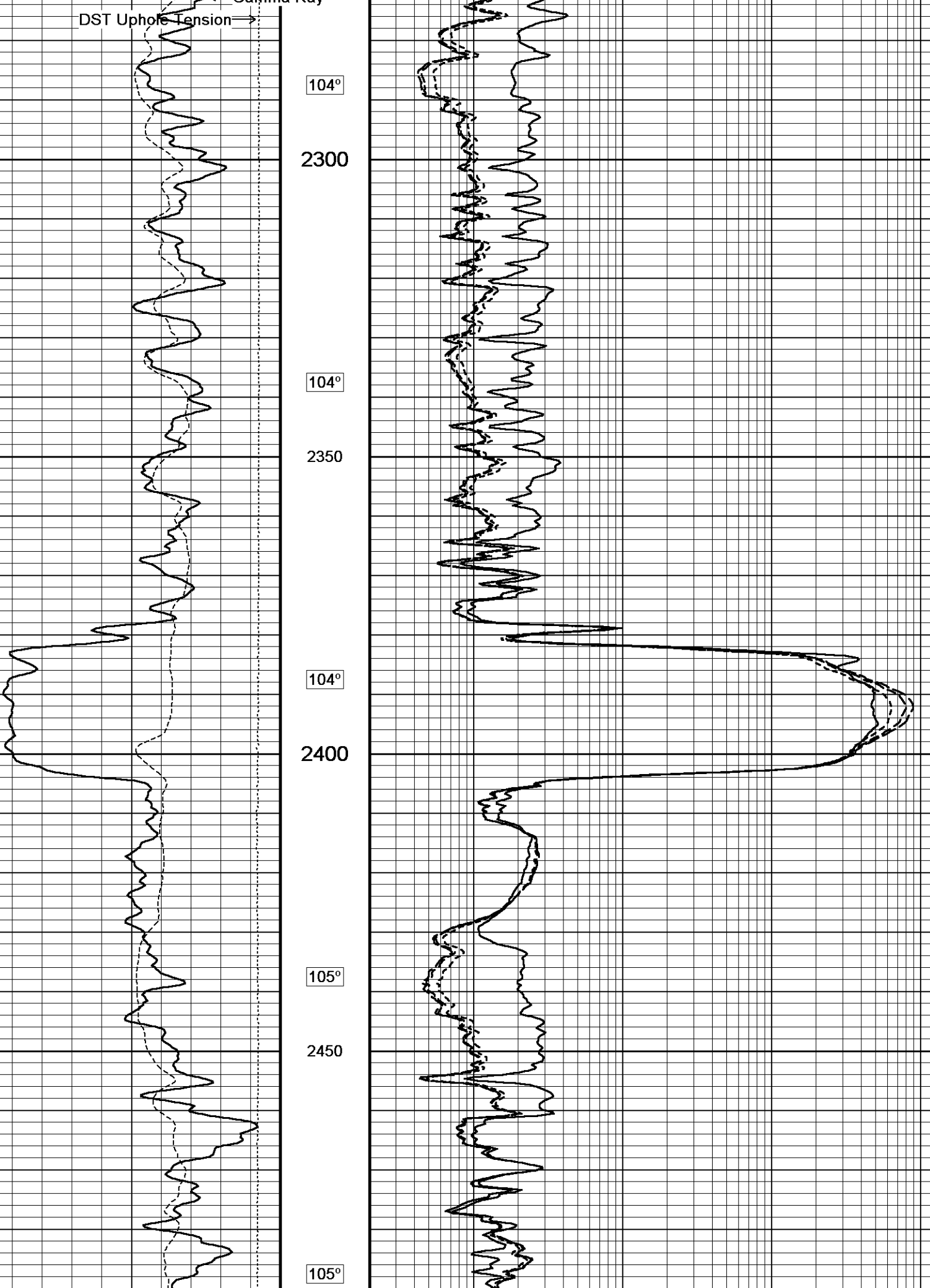
Array Ind. One Res 40

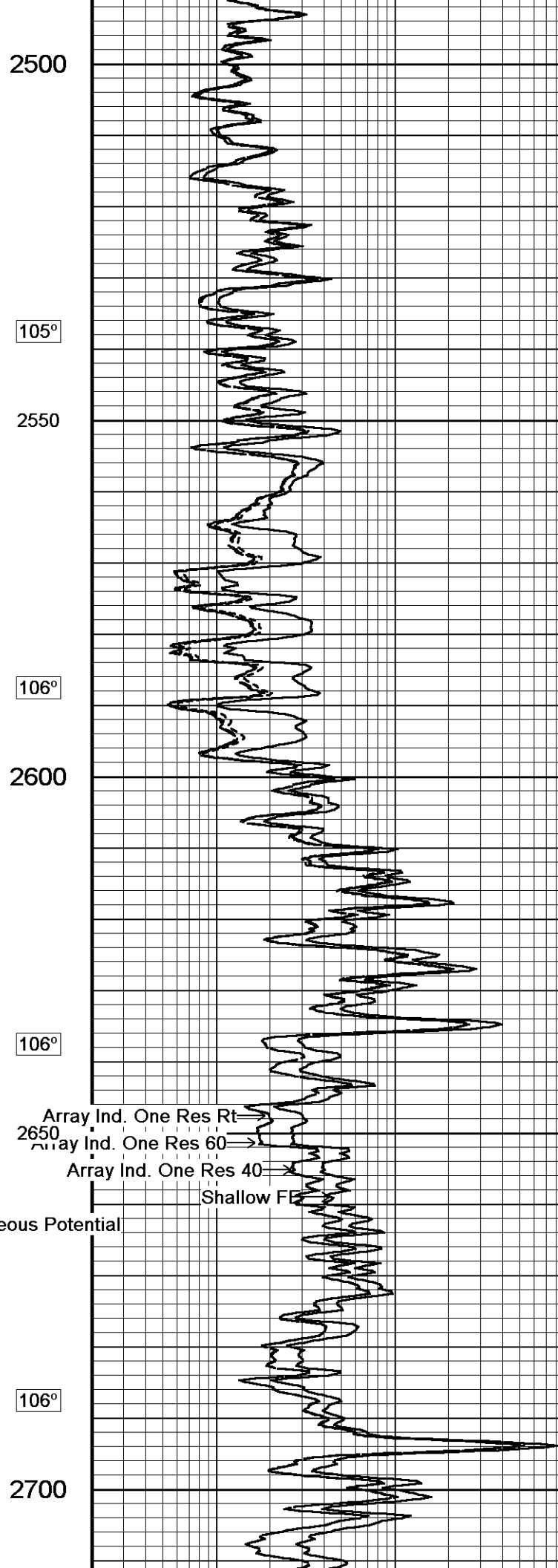
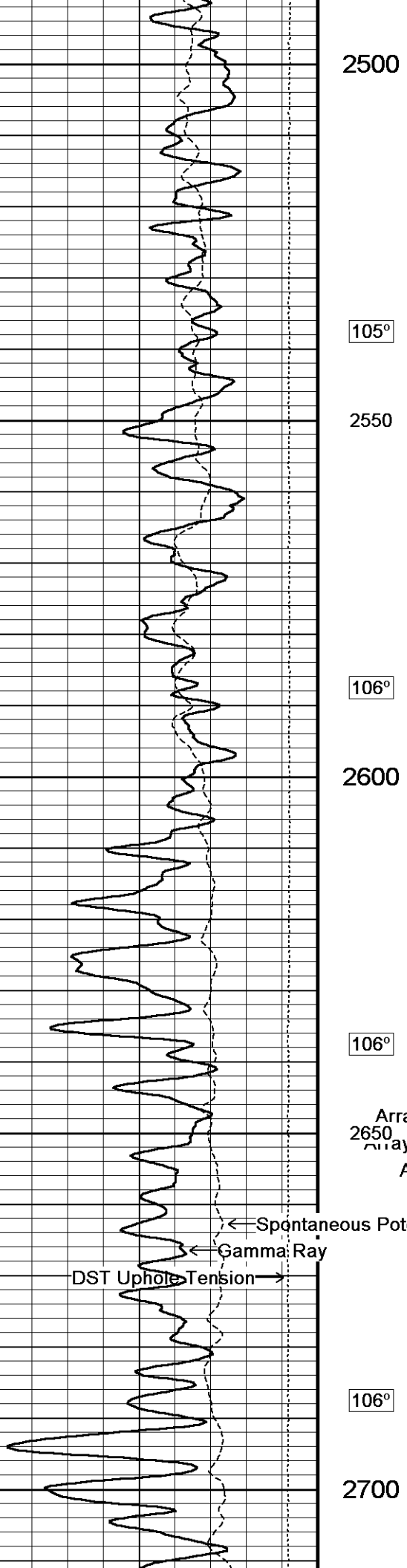
Shallow

Spontaneous Potential

DST Uphole Tension → Gamma Ray

104°
2300
104°
2350
104°
2400
105°
2450
105°





105°

106°

106°

106°

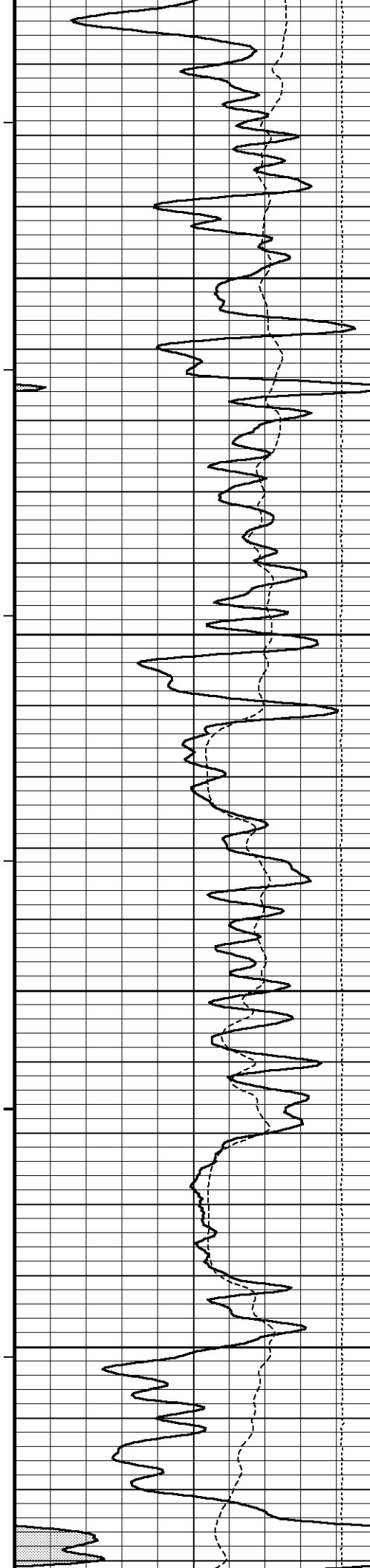
2500

2550

2600

2650

2700



107°

2750

107°

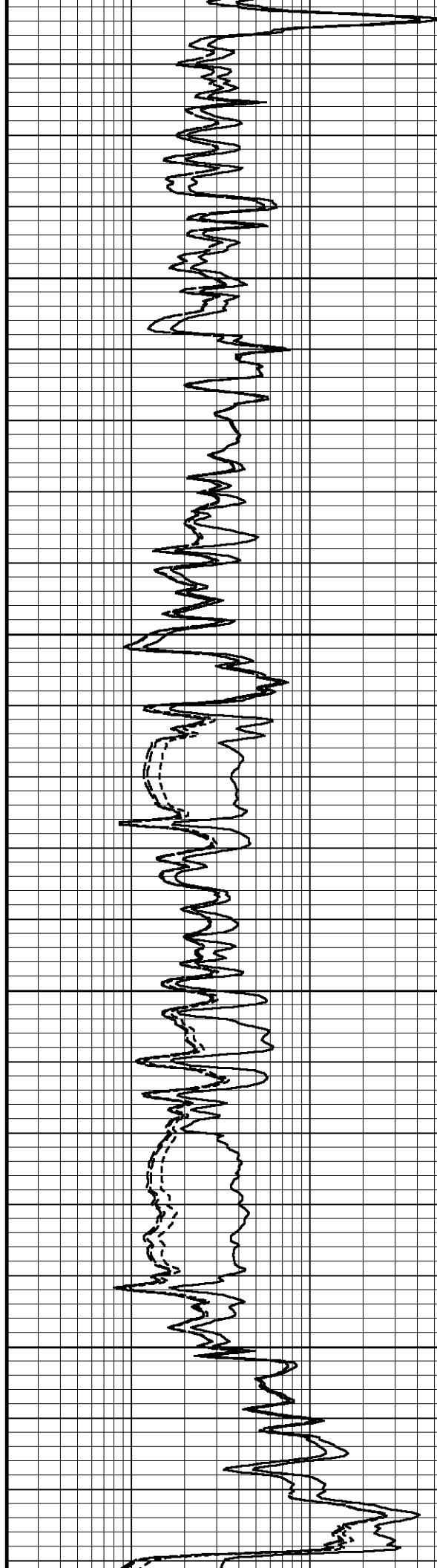
2800

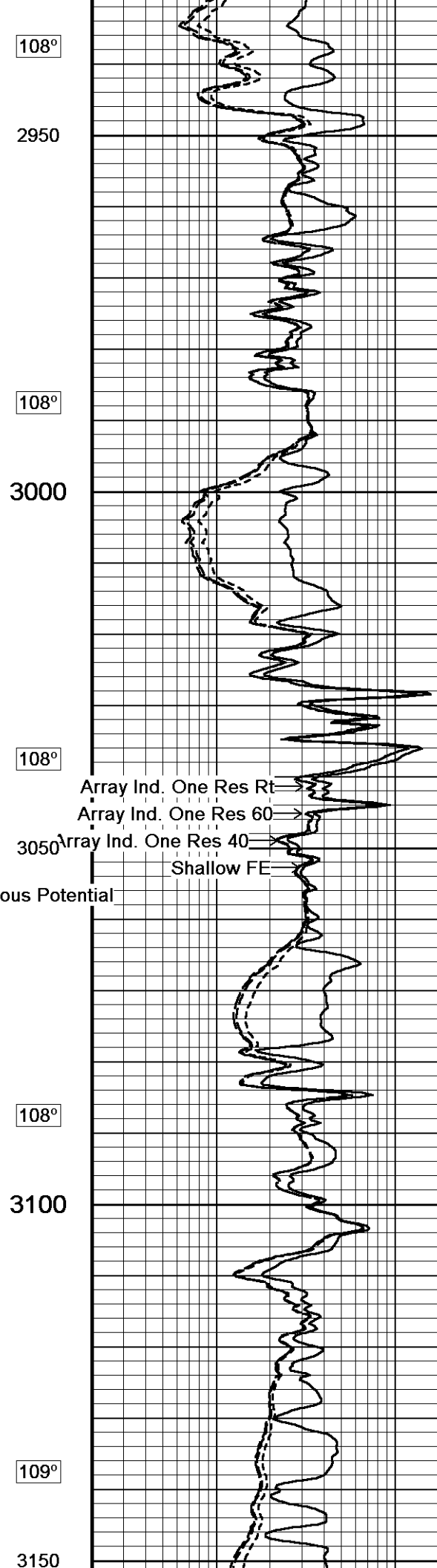
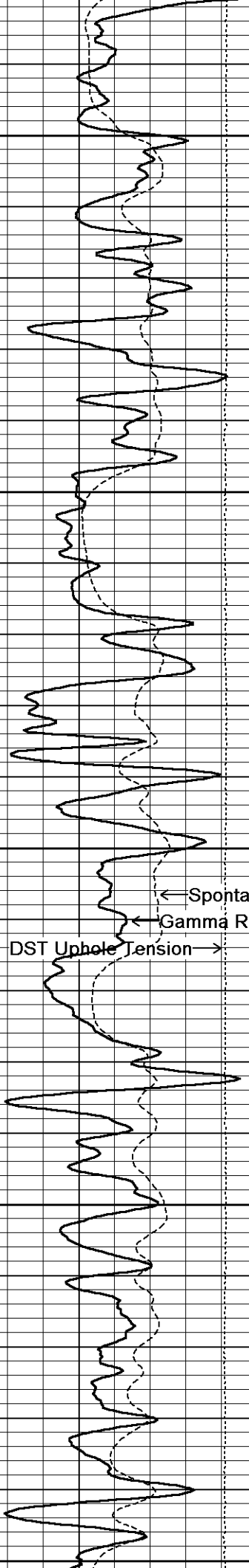
107°

2850

107°

2900





108°

2950

108°

3000

108°

3050

108°

3100

109°

3150

Array Ind. One Res Rt

Array Ind. One Res 60

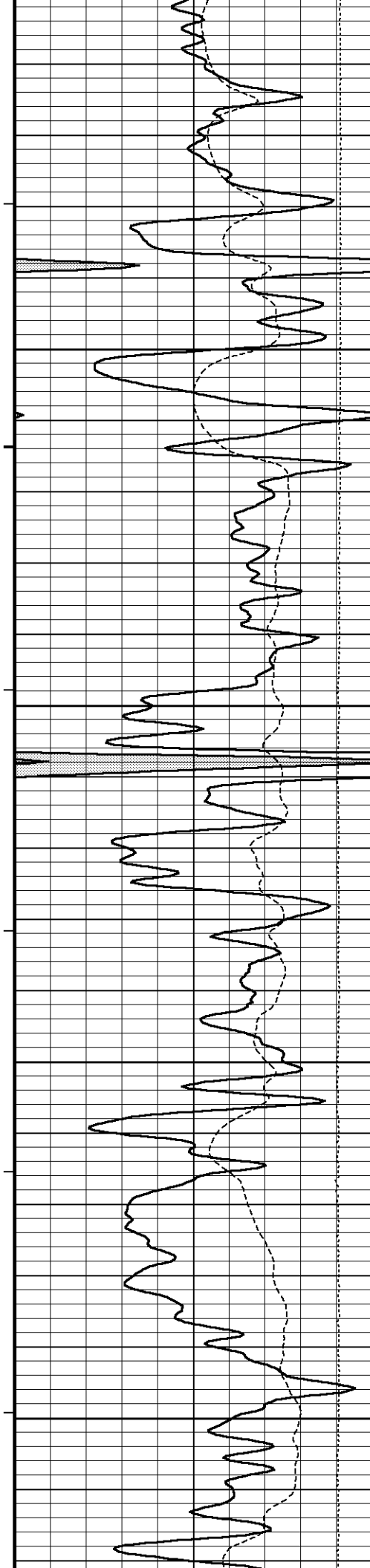
Array Ind. One Res 40

Shallow FE

← Spontaneous Potential

← Gamma Ray

DST Uphole Tension →



109°

3200

109°

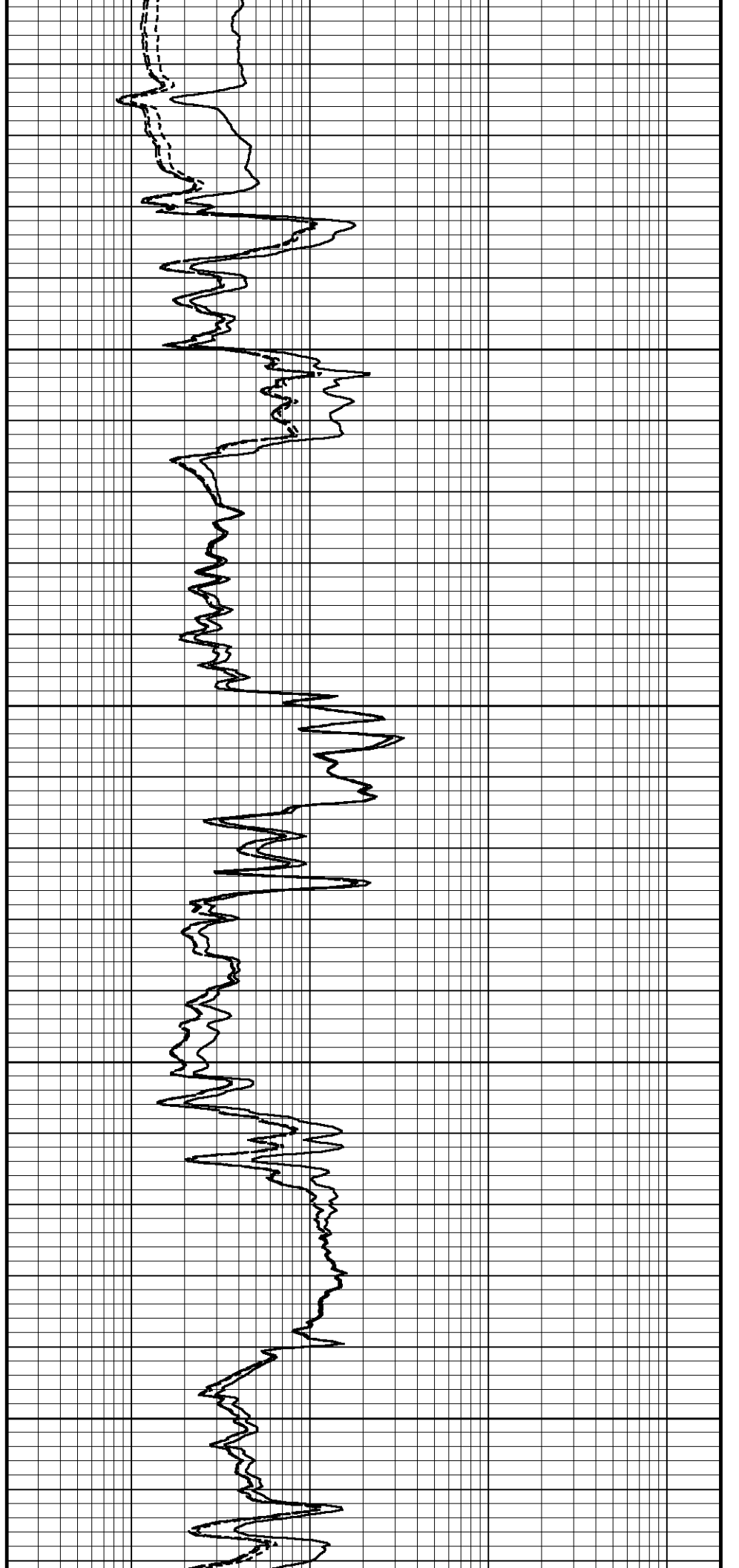
3250

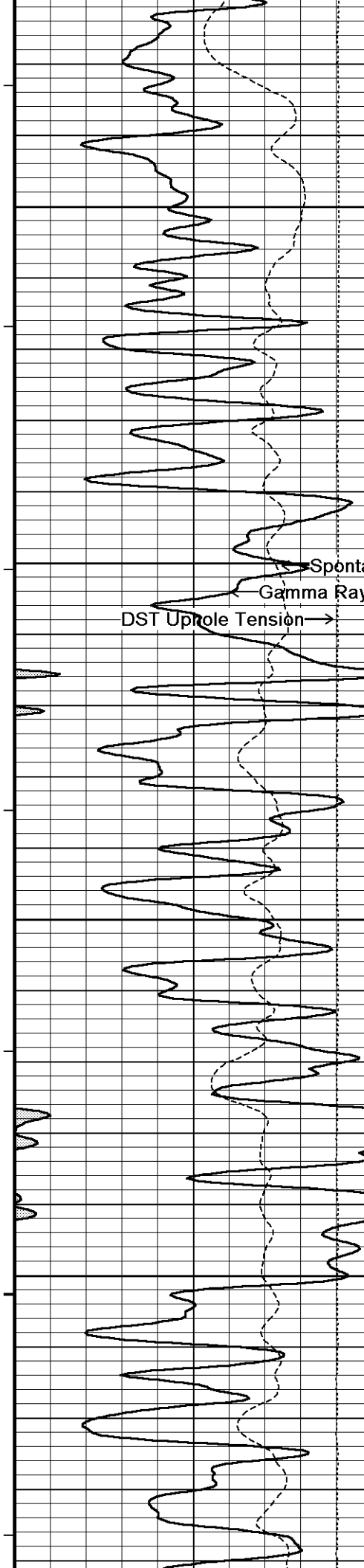
110°

3300

110°

3350





110°

3400

110°

3450

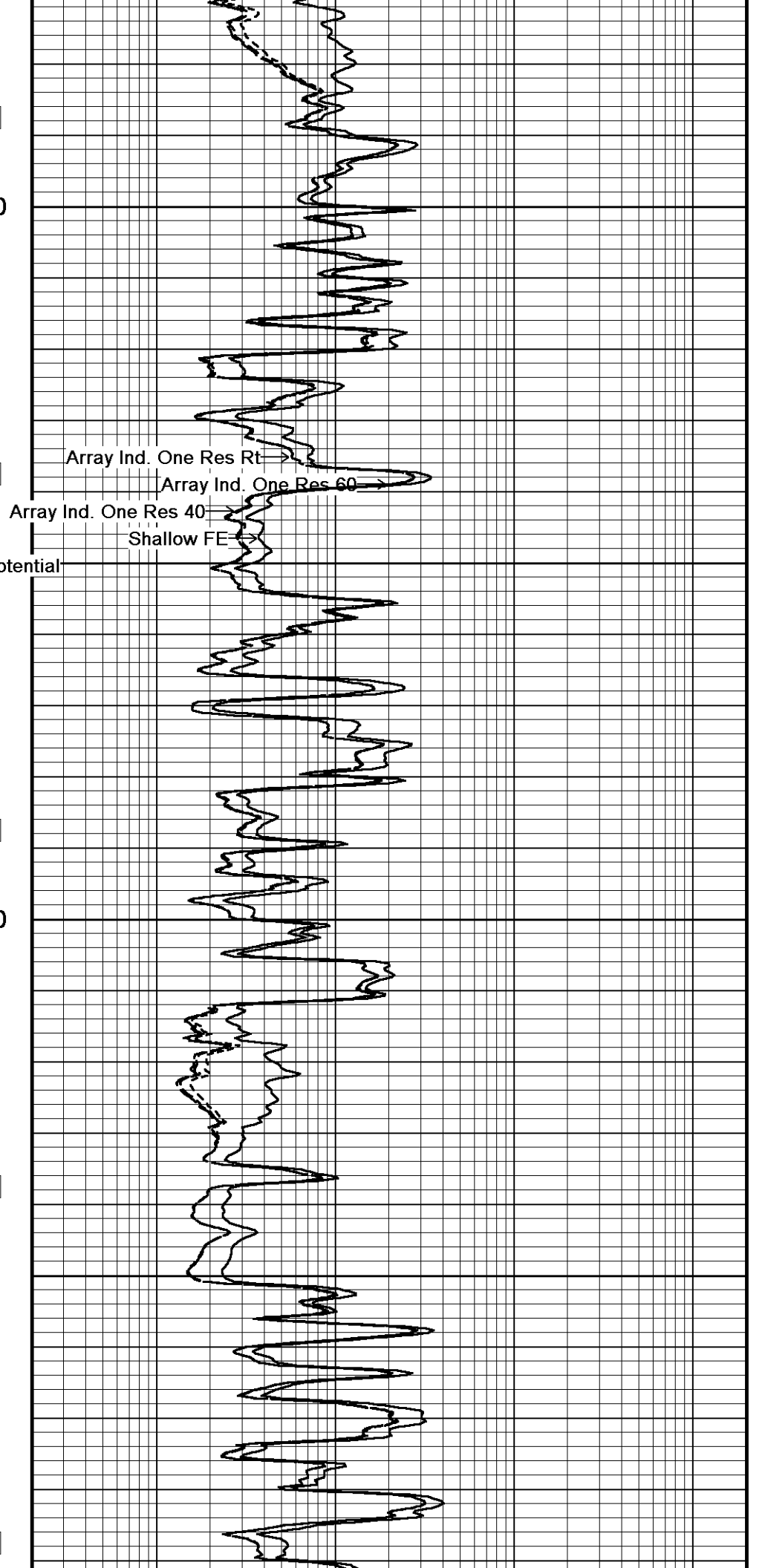
111°

3500

111°

3550

111°



Array Ind. One Res Rt

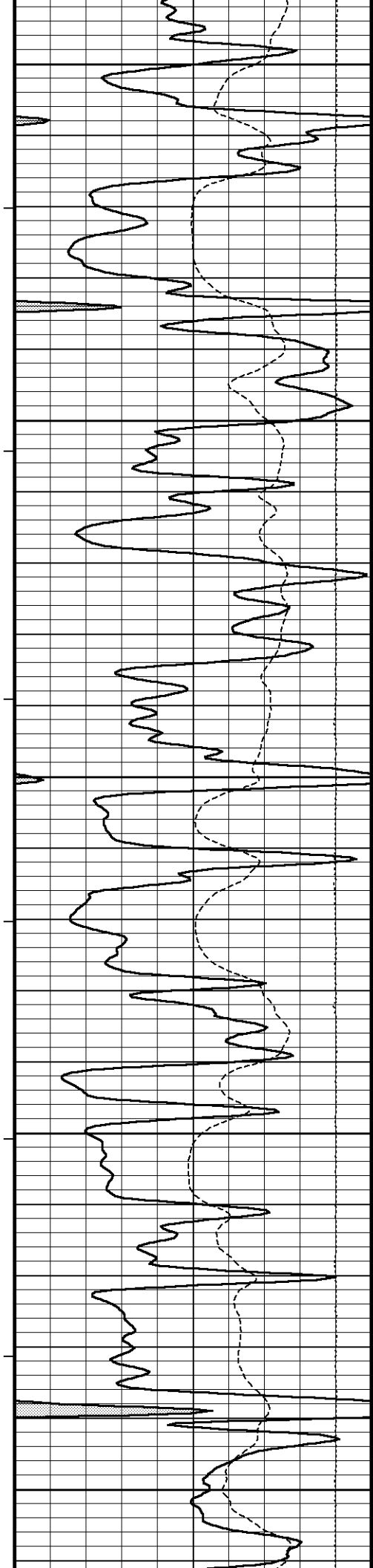
Array Ind. One Res 60

Array Ind. One Res 40

Shallow FE

Gamma Ray
DST Uprole Tension

Spontaneous Potential



3600

112°

3650

112°

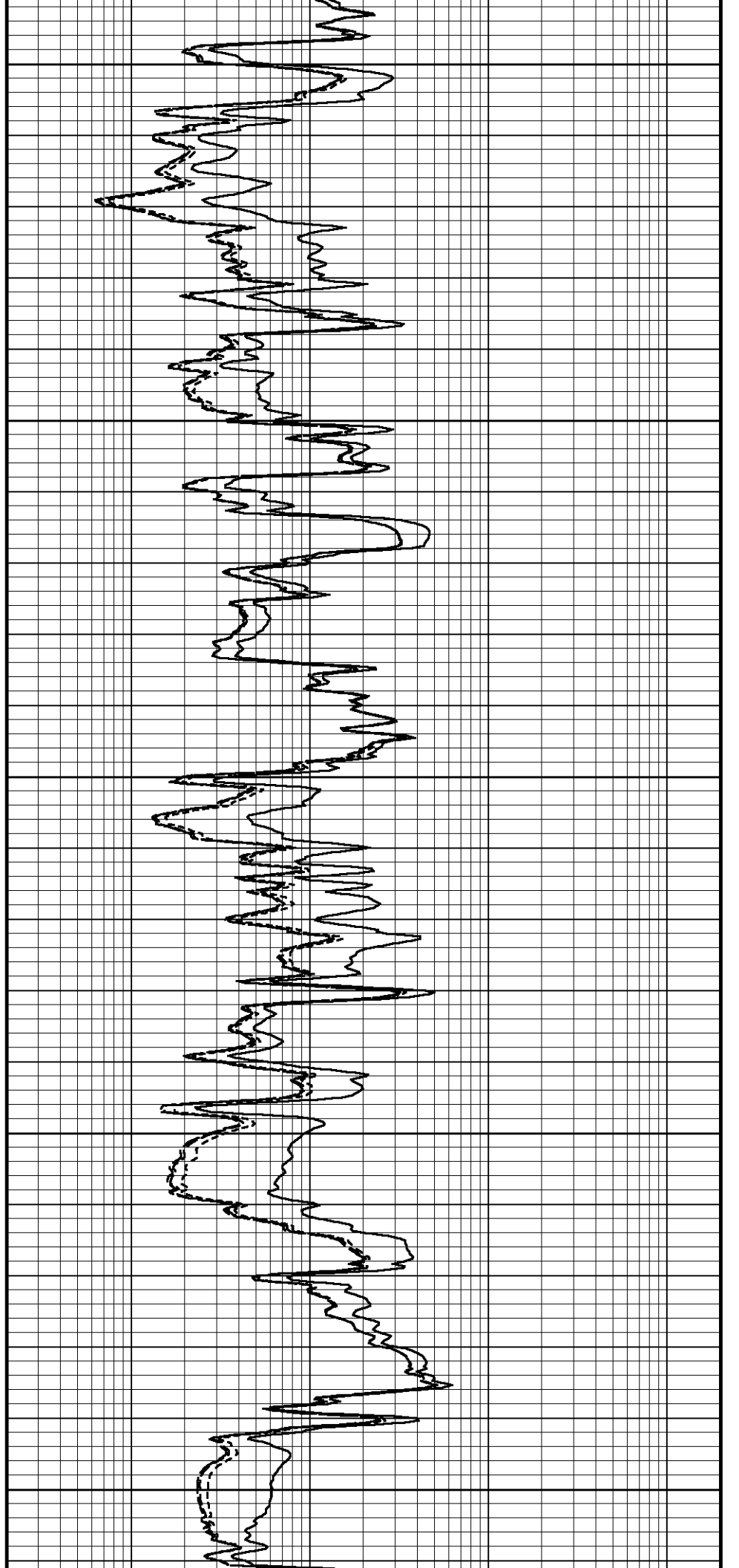
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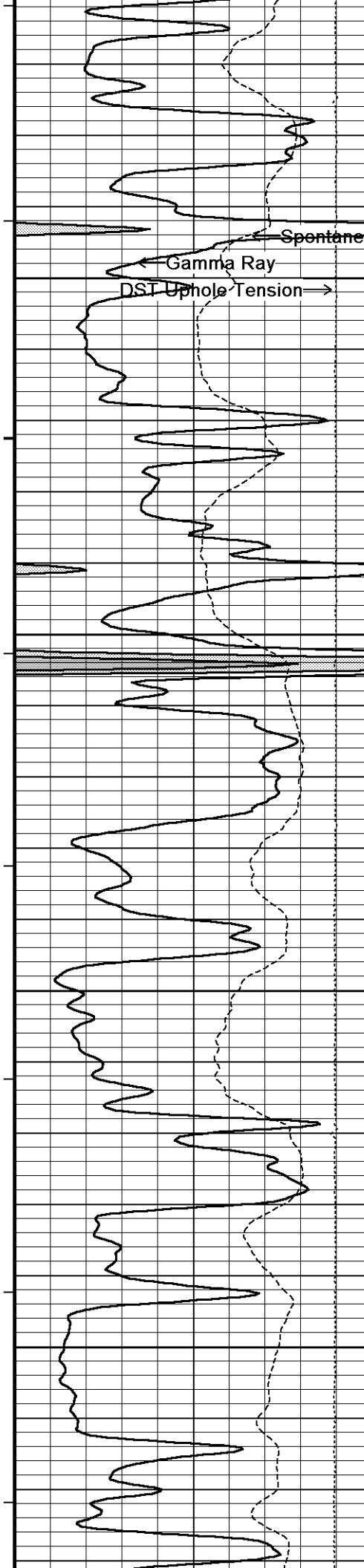
112°

3750

112°

3800





112°

3850

112°

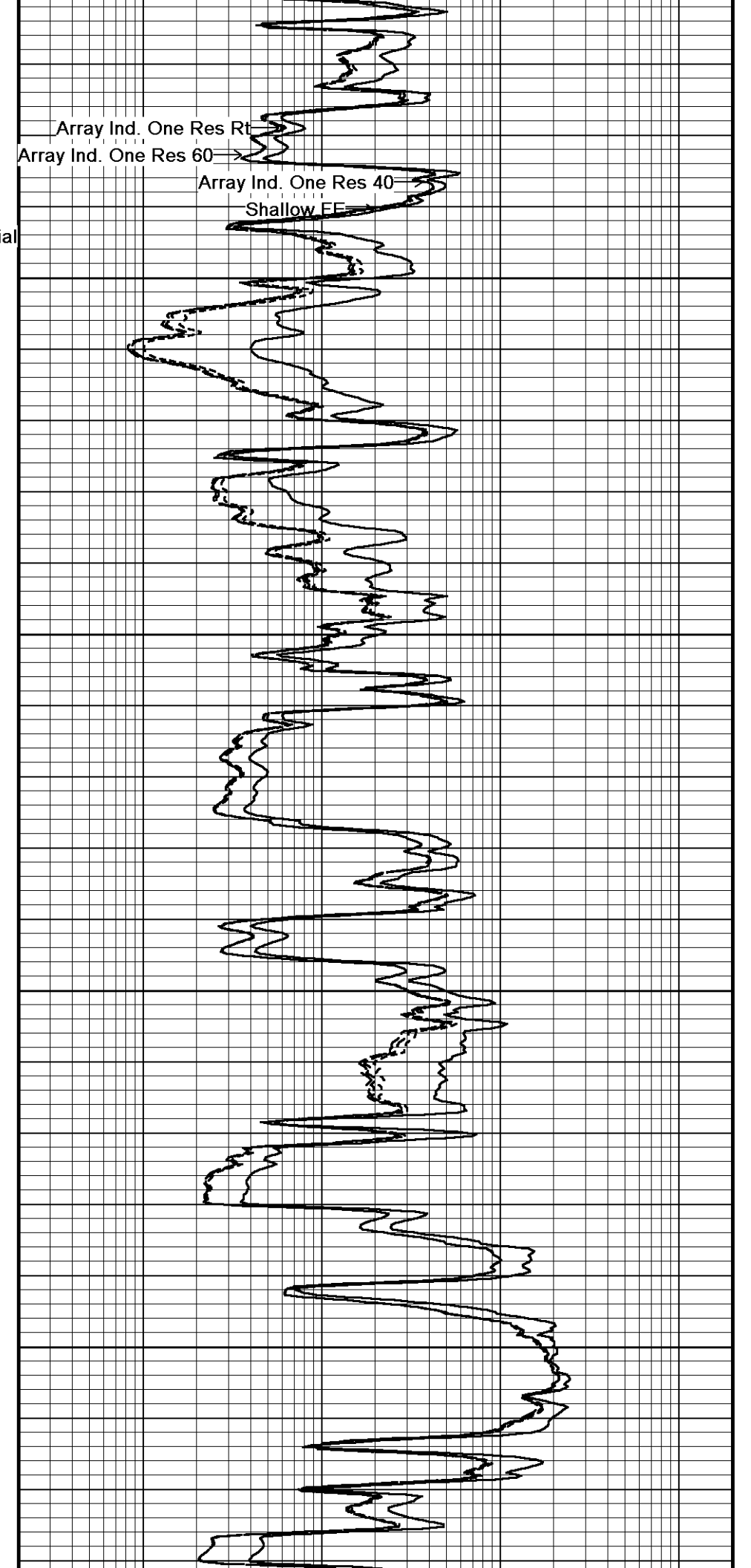
3900

112°

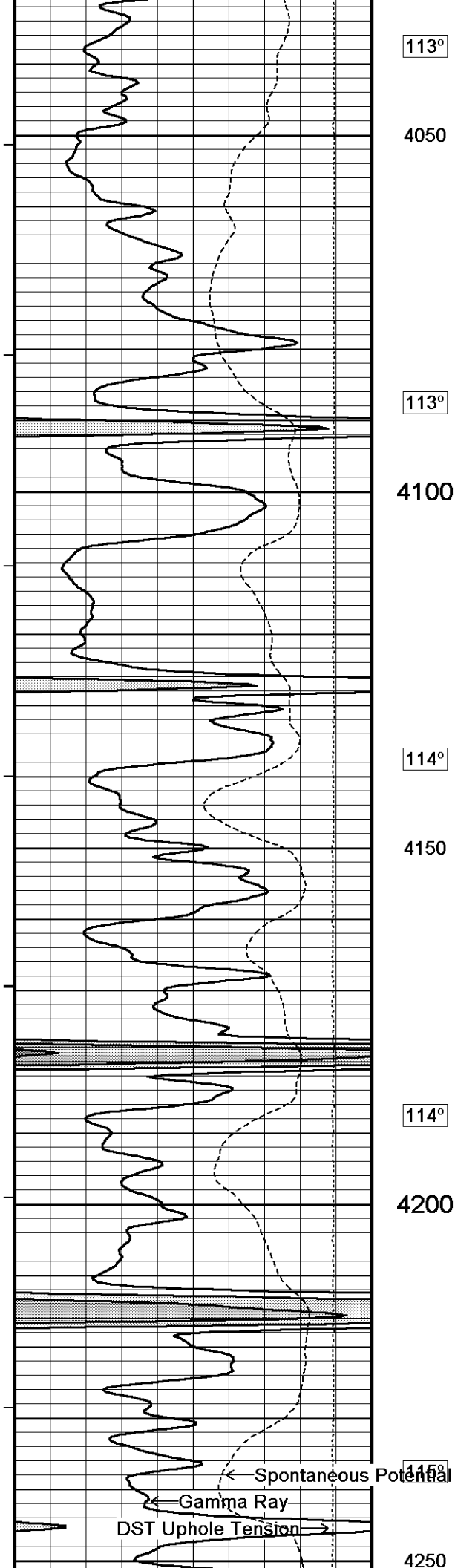
3950

113°

4000



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



113°

4050

113°

4100

114°

4150

114°

4200

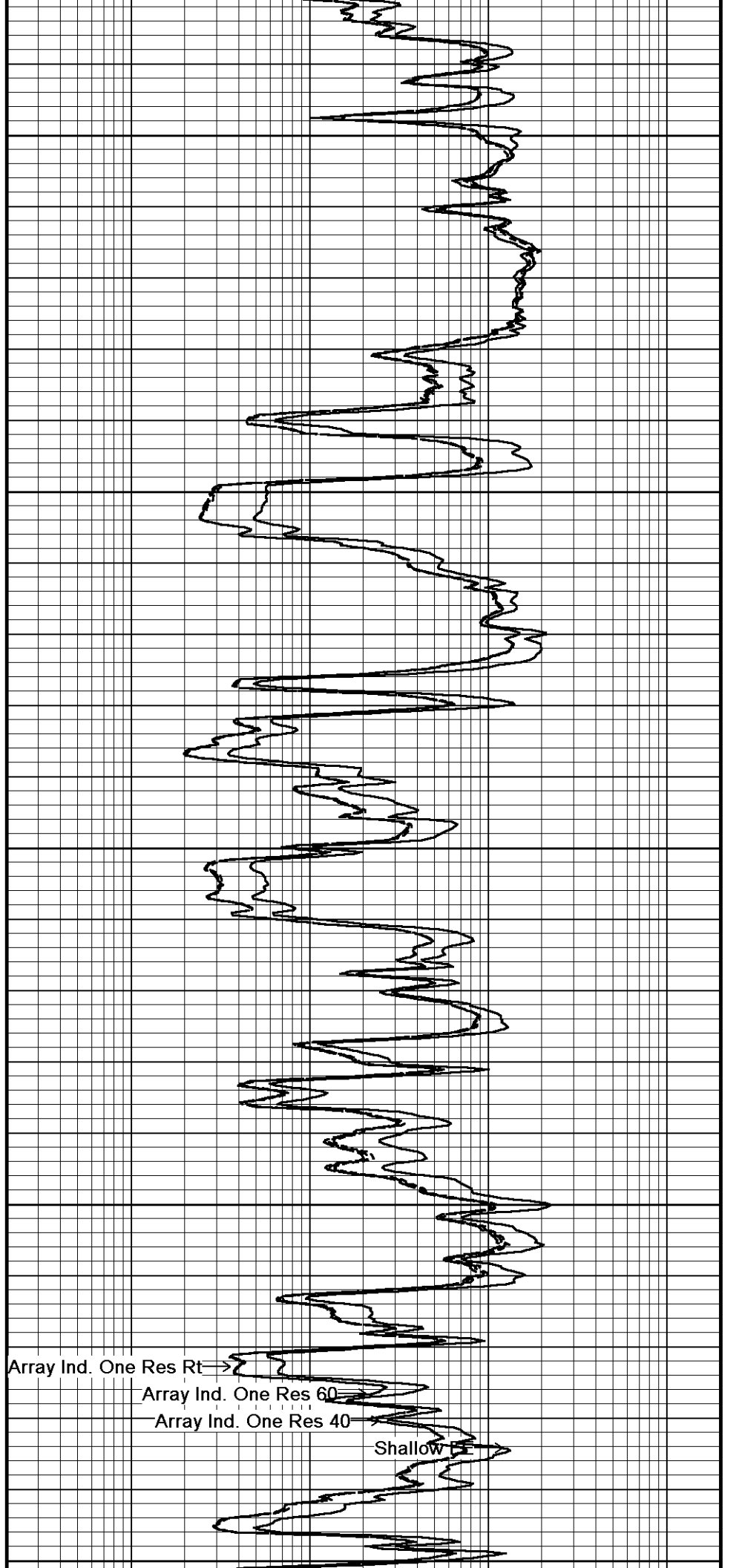
115°

4250

← Spontaneous Potential

← Gamma Ray

DST Uphole Tension →

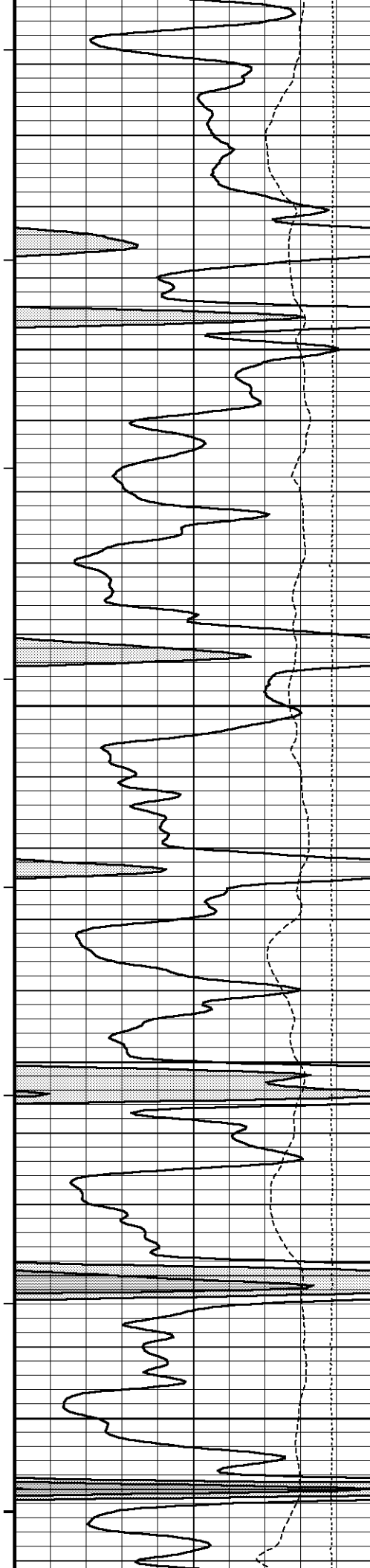


Array Ind. One Res Rt →

Array Ind. One Res 60 →

Array Ind. One Res 40 →

Shallow →



115°

4300

115°

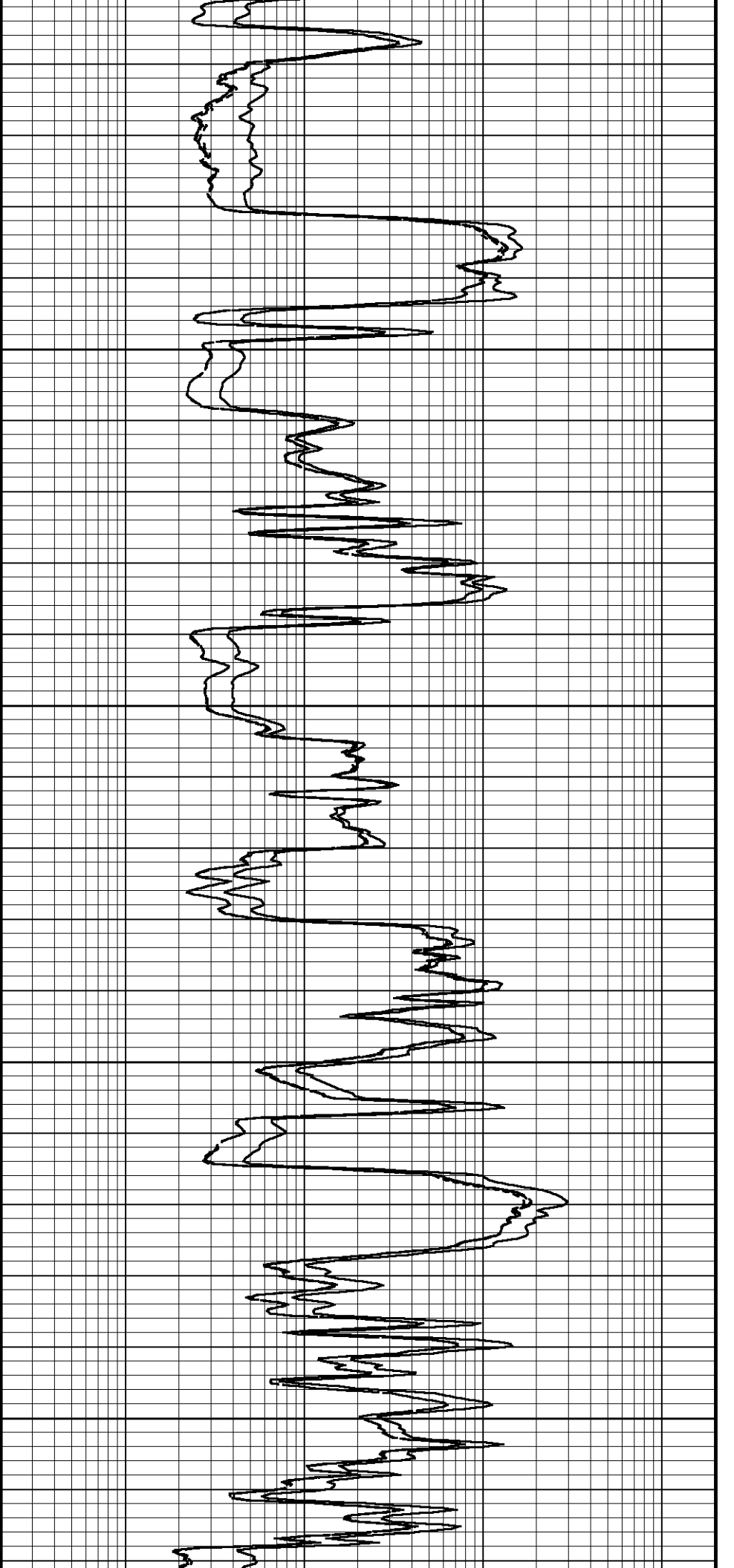
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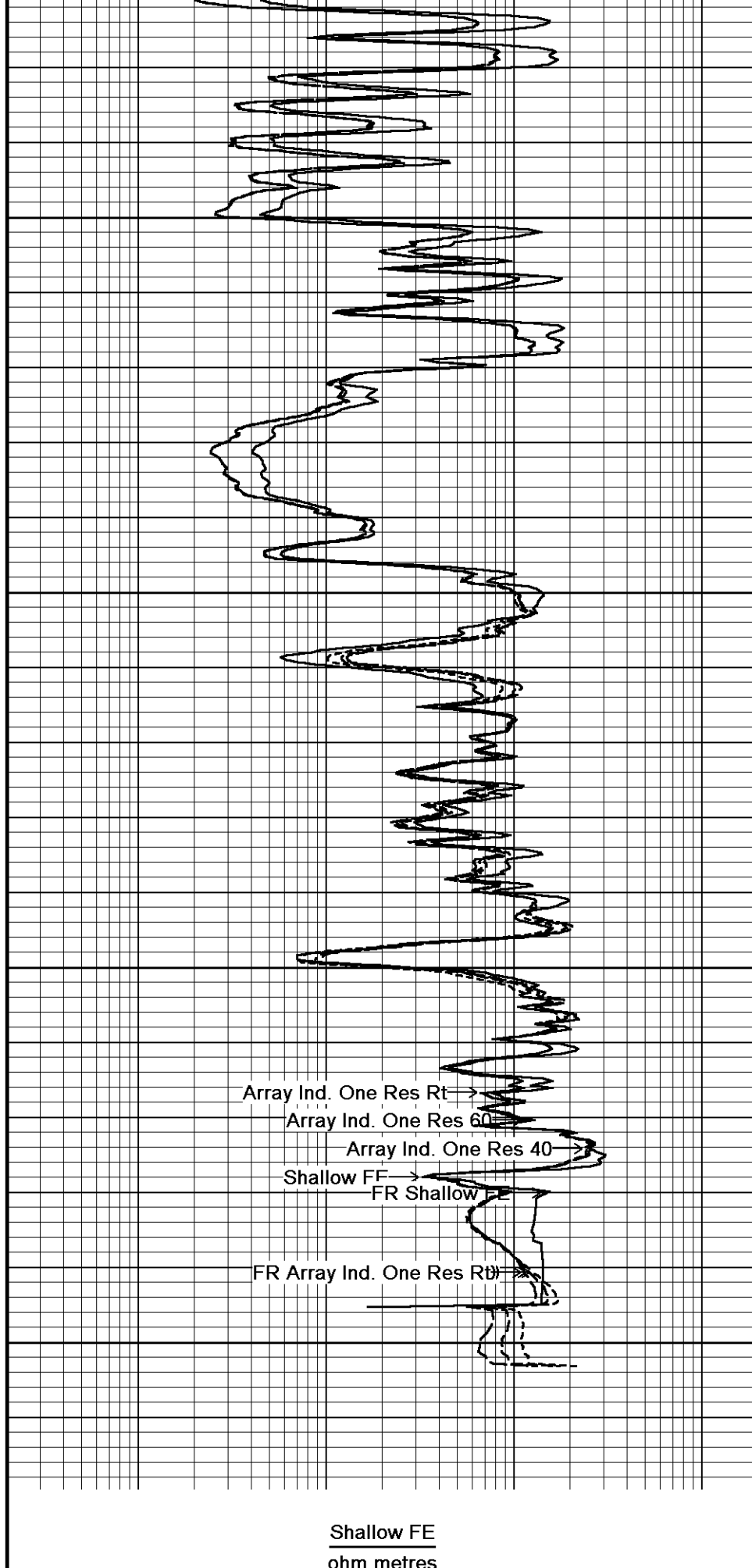
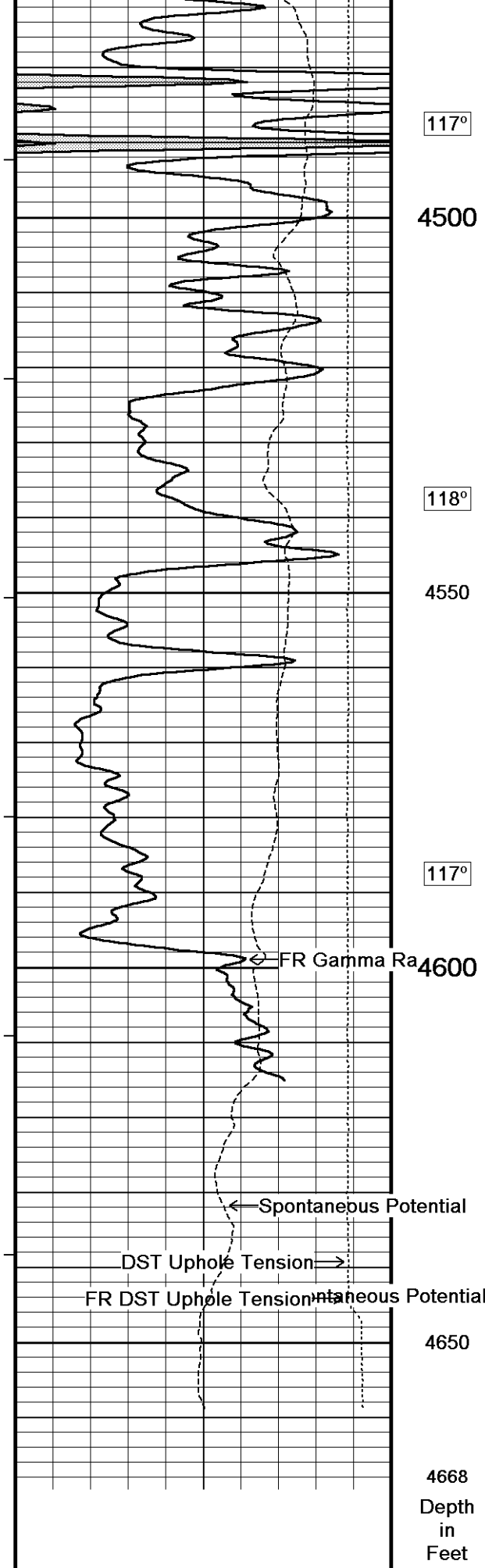
116°

4400

116°

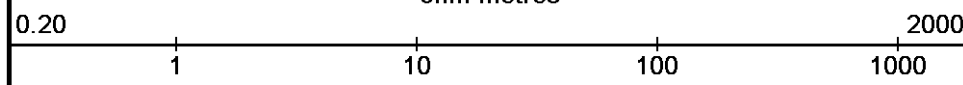
4450

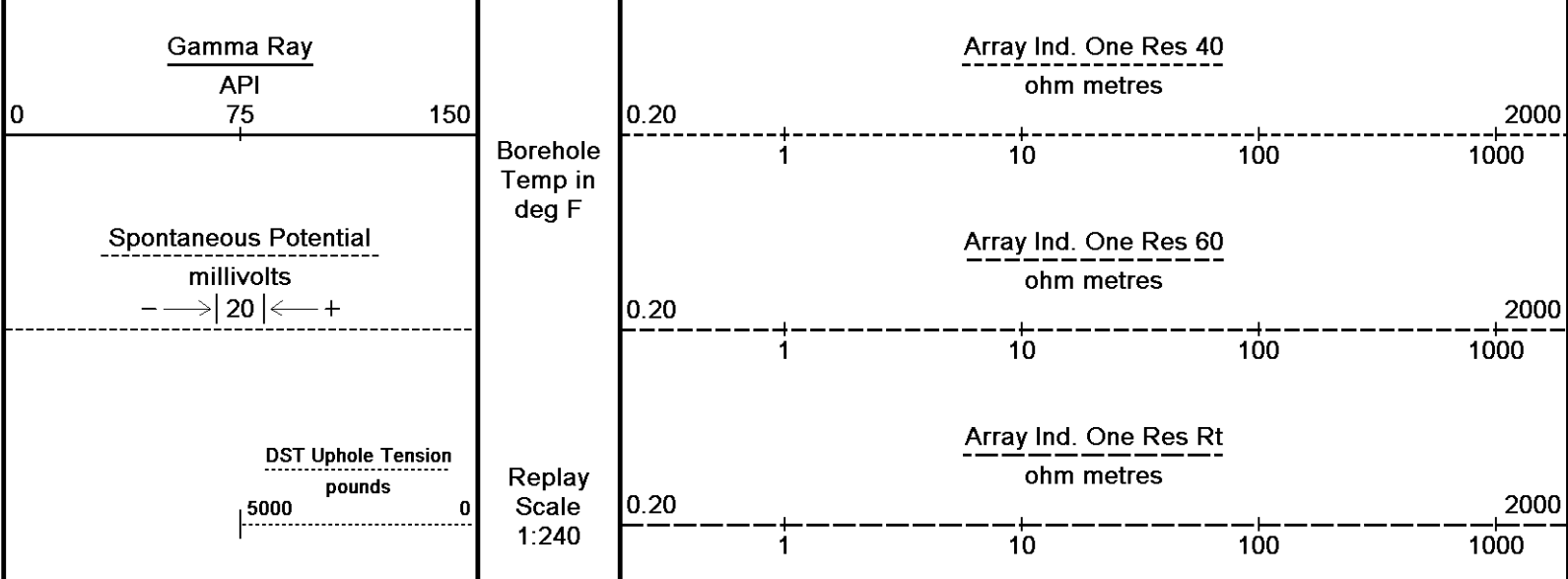




Timing Marks every 60.0 sec

Shallow FE
ohm metres



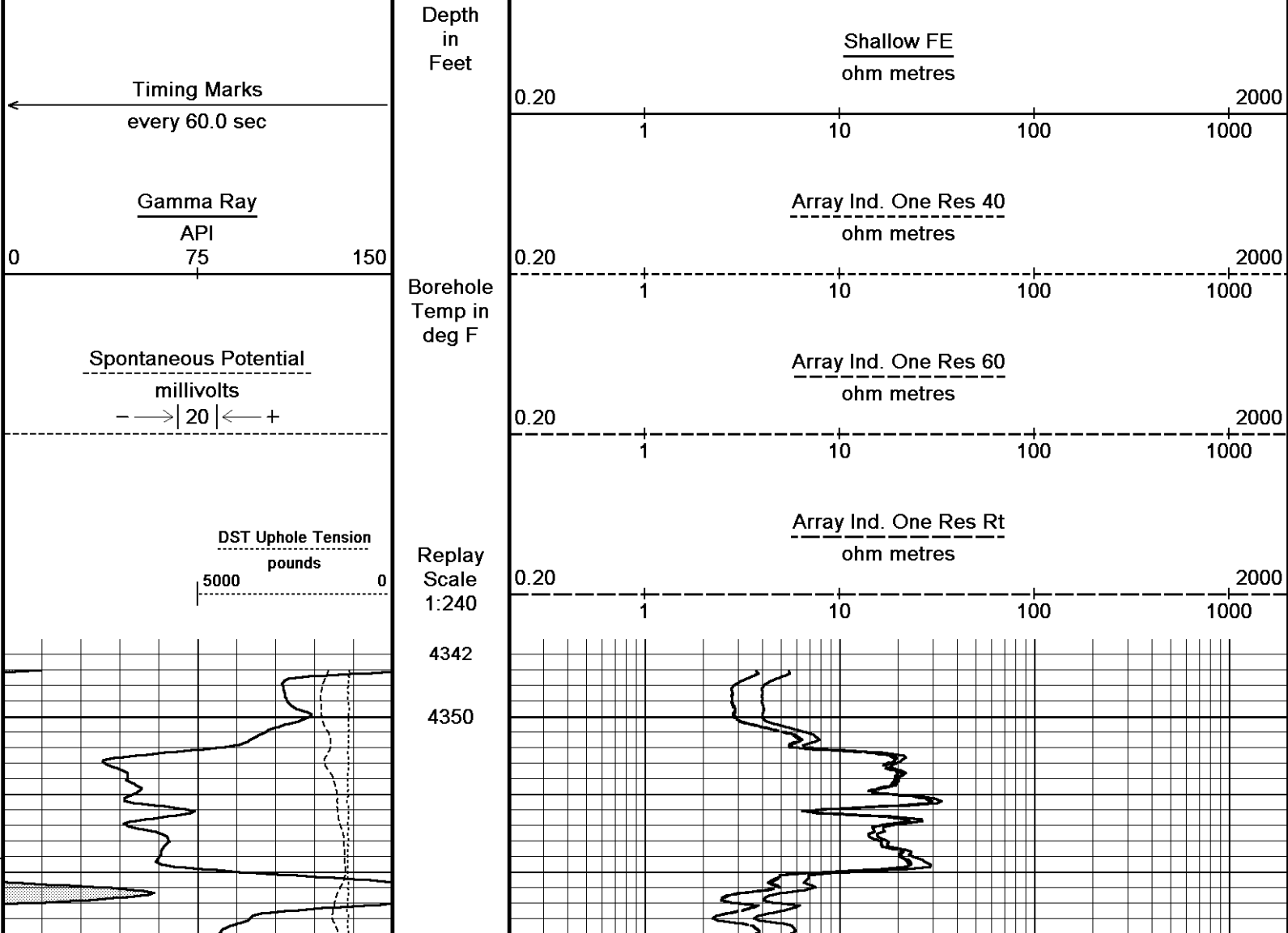


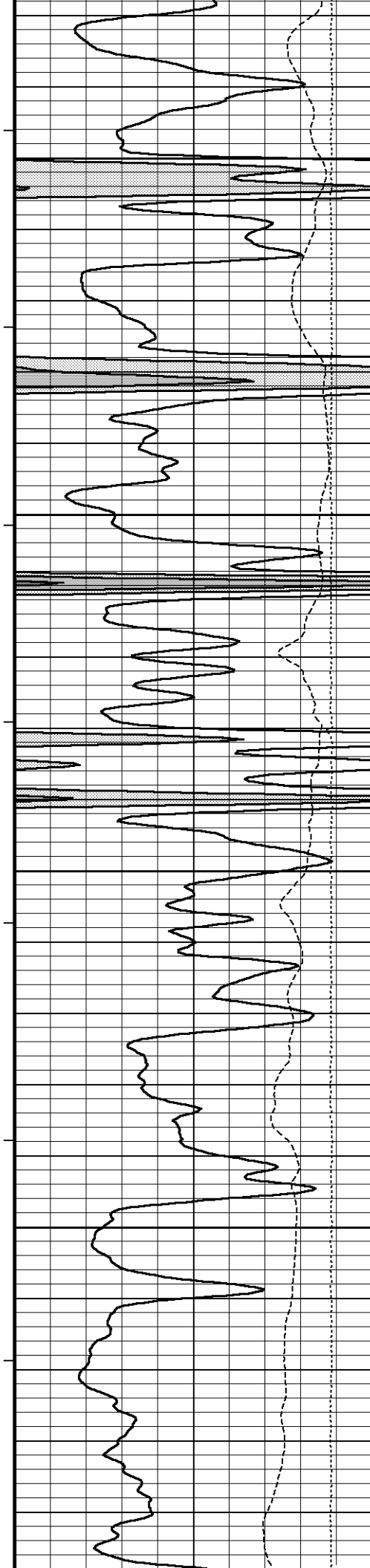
Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 25-APR-2012 02:04
 Filename: C:\Minimus 11.03.4044\Data\Grand Mesa CSC 1-21\Grand Mesa CSC 1-21_003.dta
 Recorded on 24-APR-2012 23:50
 System Versions: Logged with 11.03.4044 Plotted with 11.03.4044

↑ **5 INCH MAIN** ↑

↓ **REPEAT SECTION** ↓

Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 25-APR-2012 02:04
 Filename: C:\Minimus 11.03.4044\Data\Grand Mesa CSC 1-21\Grand Mesa CSC 1-21_001.dta
 Recorded on 24-APR-2012 23:16
 System Versions: Logged with 11.03.4044 Plotted with 11.03.4044





115°

4400

115°

4450

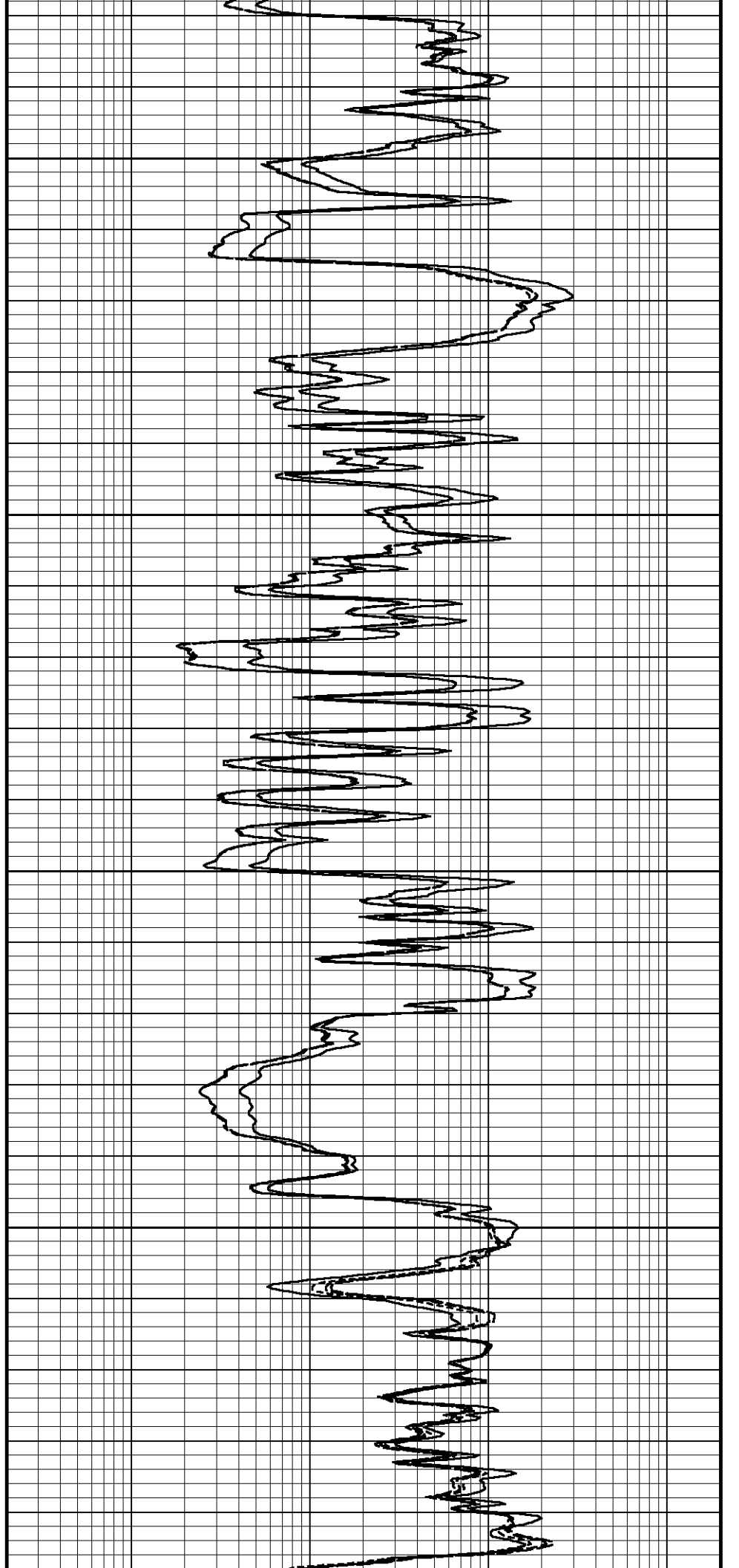
115°

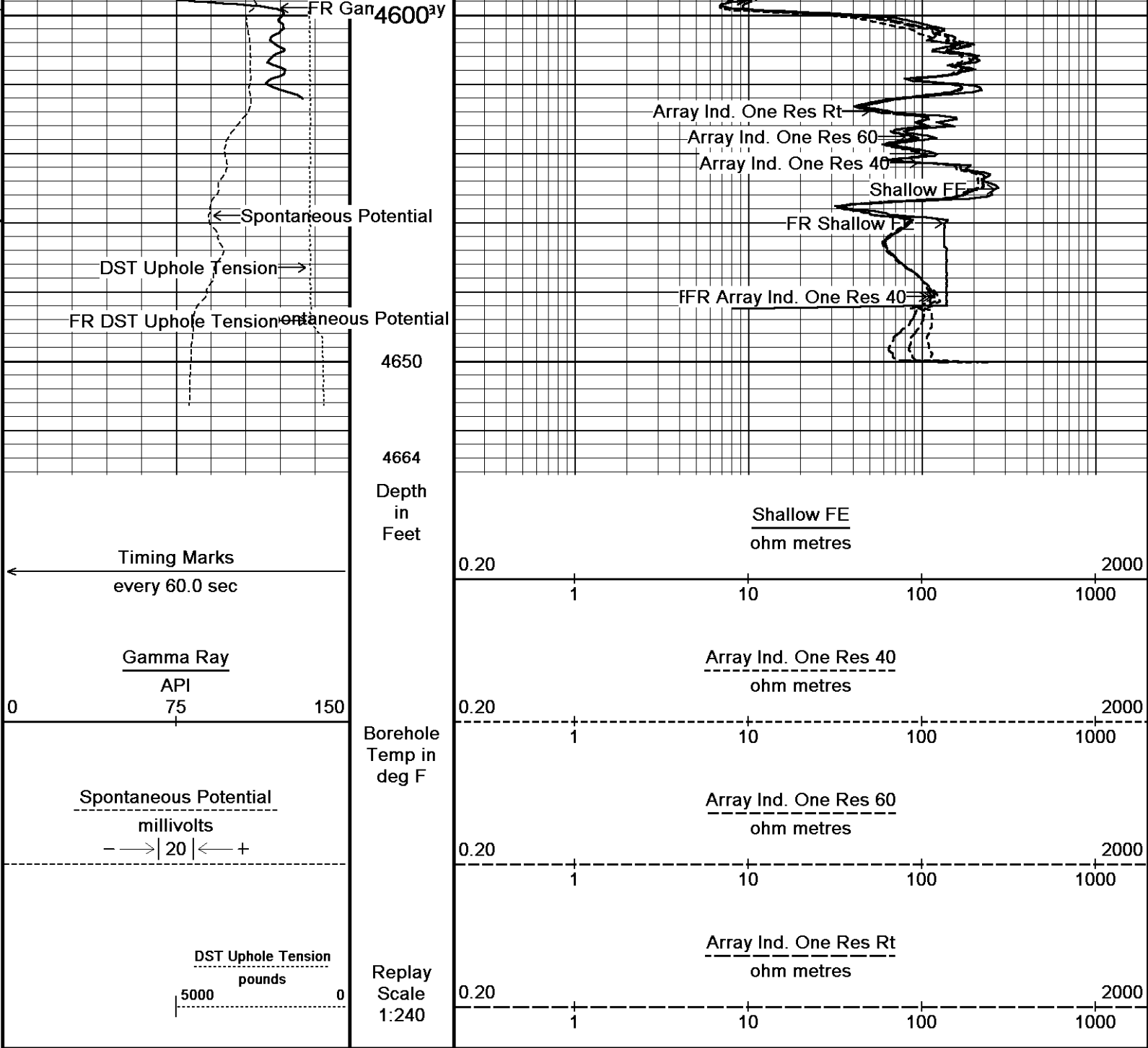
4500

116°

4550

117°





Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 25-APR-2012 02:04
 Filename: C:\Minimus 11.03.4044\Data\Grand Mesa CSC 1-21\Grand Mesa CSC 1-21_001.dta
 Recorded on 24-APR-2012 23:16
 System Versions: Logged with 11.03.4044 Plotted with 11.03.4044

↑ REPEAT SECTION ↑

BEFORE SURVEY CALIBRATION
 C:\Minimus 11.03.4044\Data\Grand Mesa CSC 1-21\Grand Mesa CSC 1-21_003.dta

General Constants All 000 Last Edited on 24-APR-2012,22:12

General Parameters		
Mud Resistivity	0.780	ohm-metres
Mud Resistivity Temperature	84.000	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	

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

Down-hole Tension Calibration All 000			Field Calibration on 30-JUN-2010
Reading No	Measured	Calibrated (lbs)	
1	14112.01	10.00	
2	15164.79	427.00	

Down-hole Tension Calibration SMS 0			Field Calibration on 29-MAR-2012 11:07
Reading No	Measured	Calibrated (lbs)	
1	-2133.10	0.00	
2	-2135.89	100.00	

Gamma Calibration MCG-C 208			Field Calibration on 24-APR-2012 07:33
	Measured	Calibrated (API)	
Background	81	60	
Calibrator (Gross)	1057	785	
Calibrator (Net)	976	725	

Gamma Constants MCG-C 208			Last Edited on 24-APR-2012,12:07
Gamma Calibrator Number	grc38		
Mud Density	1.12	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 24-FEB-2012 11:08
	Measured	Calibrated (mV)	
Reference 1	98.6	100.0	
Reference 2	-101.8	-100.0	

High Resolution Temperature Calibration MCG-C 208			Field Calibration on 18-OCT-2011,14:32
	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 16			Base Calibration on 12-MAR-2012 08:42	Field Calibration on 24-APR-2012 07:43
Base Calibration				
Reading No	Measured	Calibrator Size (in)		
1	14446	5.98		
2	17749	7.97		
3	20974	9.86		
4	24969	11.92		
5	0	0.00		
6	N/A	N/A		
Field Calibration				
	Measured Caliper (in)	Actual Caliper (in)		
	6.03	5.98		

Micro Normal and Micro Inverse Calibration MML-A 16					Base Calibration on 12-MAR-2012 08:50	Field Check on 24-APR-2012 07:42
Base Calibration						
Channel	Resistor 1	Measured Resistor 2	Calibrated (ohm-m) Resistor 1	Resistor 2		
Micro Normal	12.2	60.2	2.6	12.8		
Micro Inverse	15.6	78.3	1.7	8.4		

Channel	Base Check (ohm-m)	Field Check (ohm-m)
Micro Normal	32.1	32.1
Micro Inverse	16.3	16.3

Micro Normal and Micro Inverse Constants MML-A 16 Last Edited on 24-APR-2012,12:15

Pad Type 8-12 in Soft Rubber Inflatable 006-9011-159

Micro Normal K Factor 0.5110

Micro Inverse K Factor 0.3380

Standoff Offset N/A inches

Neutron Calibration MDN-A.B 66 Base Calibration on 12-MAR-2012 14:21
Field Check on 24-APR-2012 07:49

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	3048	95	3714	110
Ratio	32.068		33.764	

Field Calibrator at Base

	Calibrated (cps)
	1659 2400
Ratio	0.691

Field Check

	Calibrated (cps)
	1709 2435
Ratio	0.702

Neutron Constants MDN-A.B 66 Last Edited on 24-APR-2012,12:15

Neutron Source Id P58125B

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 None

Formation Pressure N/A kpsi

Temperature Source Constant Value

Temperature 68.00 degrees F

Mud Salinity 0.00 kppm

Formation Fluid Salinity Source Constant Value

Formation Fluid Salinity 0.00 kppm

Barite Mud Correction Not Applied

FE Calibration MFE-C.A 353 Base Calibration on 12-MAR-2012 09:09
Field Check on 24-APR-2012 07:40

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	964.2	126.8
Base Check		281.2
Field Check		281.1

FE Constants MFE-C.A 353 Last Edited on 24-APR-2012,12:15

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 167 Base Calibration on 11-MAR-2011,09:58
Field Check on 24-APR-2012 07:39

Base Calibration

	Measured	Calibrated (mmba/m)
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Test Loop Calibration	measured	Calibrated (mmho/m)		
Channel	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

Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1	0.0	0.0	12.4	3840.9
2	0.0	0.0	29.4	3479.3
3	0.0	0.0	29.0	3055.3
4	0.0	0.0	19.7	2083.2
Deep	0.0	0.0	18.5	2050.5
Medium	0.0	0.0	42.2	3994.5
Shallow	0.0	0.0	42.8	5057.5
Array Temperature	0.0		62.7	Deg F

Induction Constants MAI-A.A 167

Last Edited on 24-APR-2012,12:15

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		
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 167

Field Calibration on 12-MAR-2012,10:57

	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

Pre-filter Length 11

Caliper Calibration MPD-B 64

Base Calibration on 13-FEB-2012 10:56

Field Calibration on 13-FEB-2012 10:57

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	13425	3.99
2	22192	5.98
3	30768	7.97
4	39024	9.86
5	48432	11.92
6	N/A	N/A

Field Calibration

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

Photo Density Calibration MPD-B 64

Base Calibration on 13-FEB-2012 11:14

Field Check on 13-FEB-2012 11:21

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	47670	25060	59556	30836
Reference 2	19597	2525	24941	2541

Field Check at Base

1199.0 1386.9

Field Check

1196.3 1389.6

PE Calibration

Base Calibration	WS	Measured		Calibrated Ratio
		WH	Ratio	
Background	218	1072		
Reference 1	18017	47489	0.383	0.371
Reference 2	5304	19465	0.276	0.272

Field Check at Base

218.3 1071.8

Field Check

218.5 1068.3

Density Constants MPD-B 64

Last Edited on 24-APR-2012,12:15

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	1.12	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)	
2.71		
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 11.03.4044\Data\Grand Mesa CSC 1-21\Grand Mesa CSC 1-21_003.dta

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

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

Compact Micro-log
MML-A 16 LG: 7.97 ft WT: 81.6 lb OD: 2.24 in

Compact Micro-log
MML-A 16 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 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 Density/Caliper
MPD-B 64 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

SKJ-D.A Compact Knuckle Joint
SKJ-D.A 36 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

SKJ-D.A Compact Knuckle Joint
SKJ-D.A 36 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

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

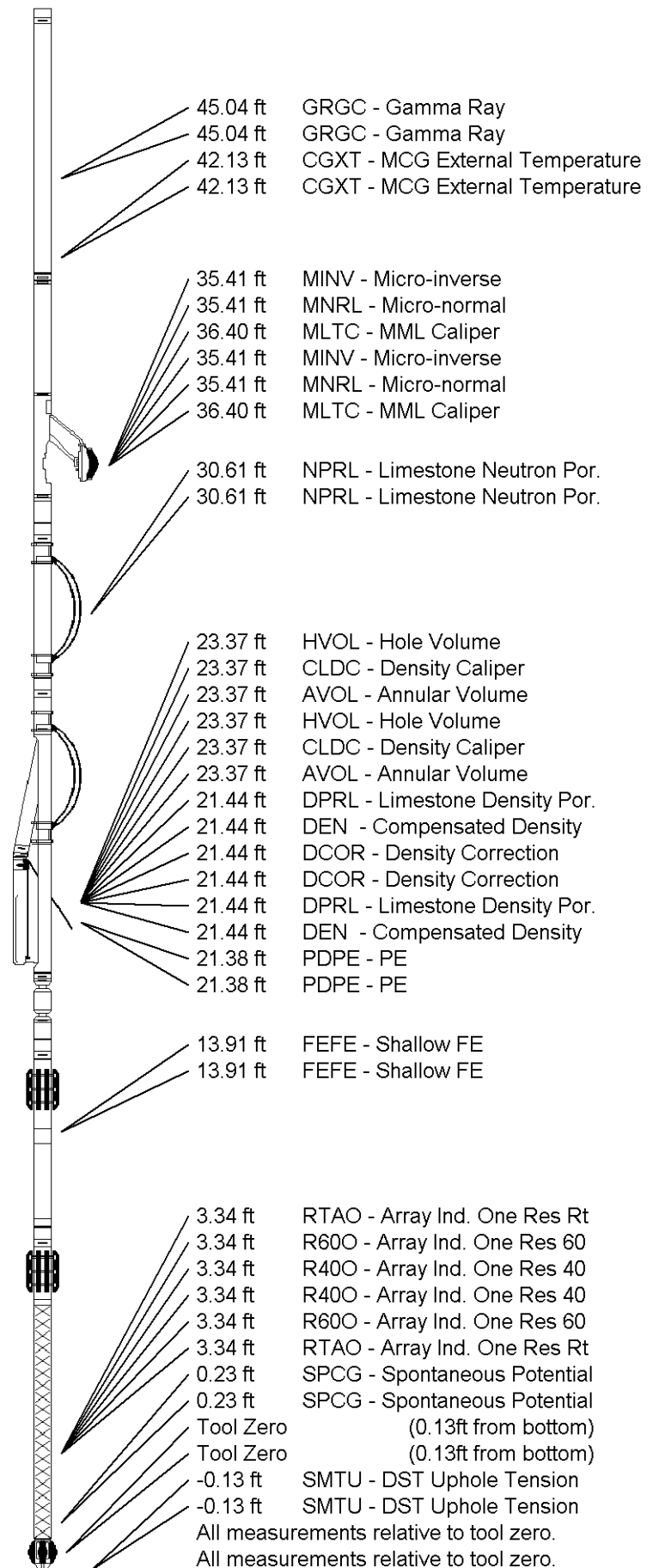
Compact Focussed Electric
MFE-C.A 353 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

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

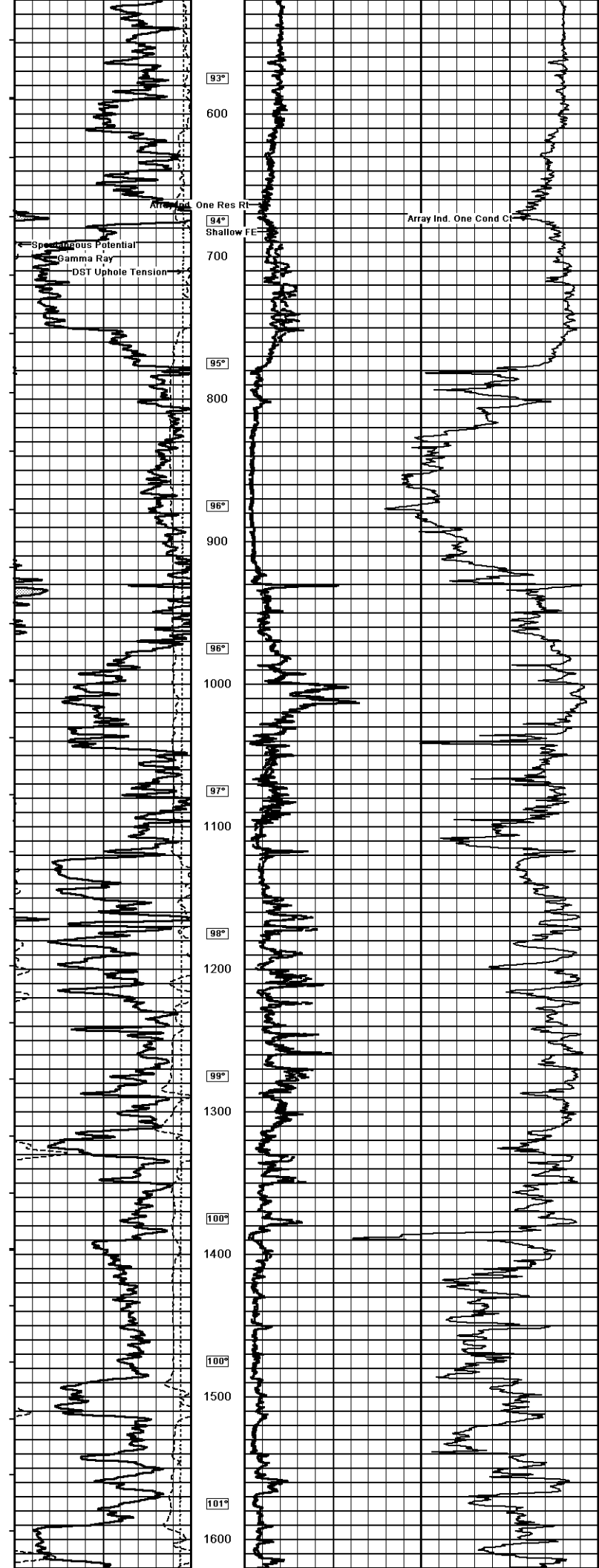
Compact Induction
MAI-A.A 167 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

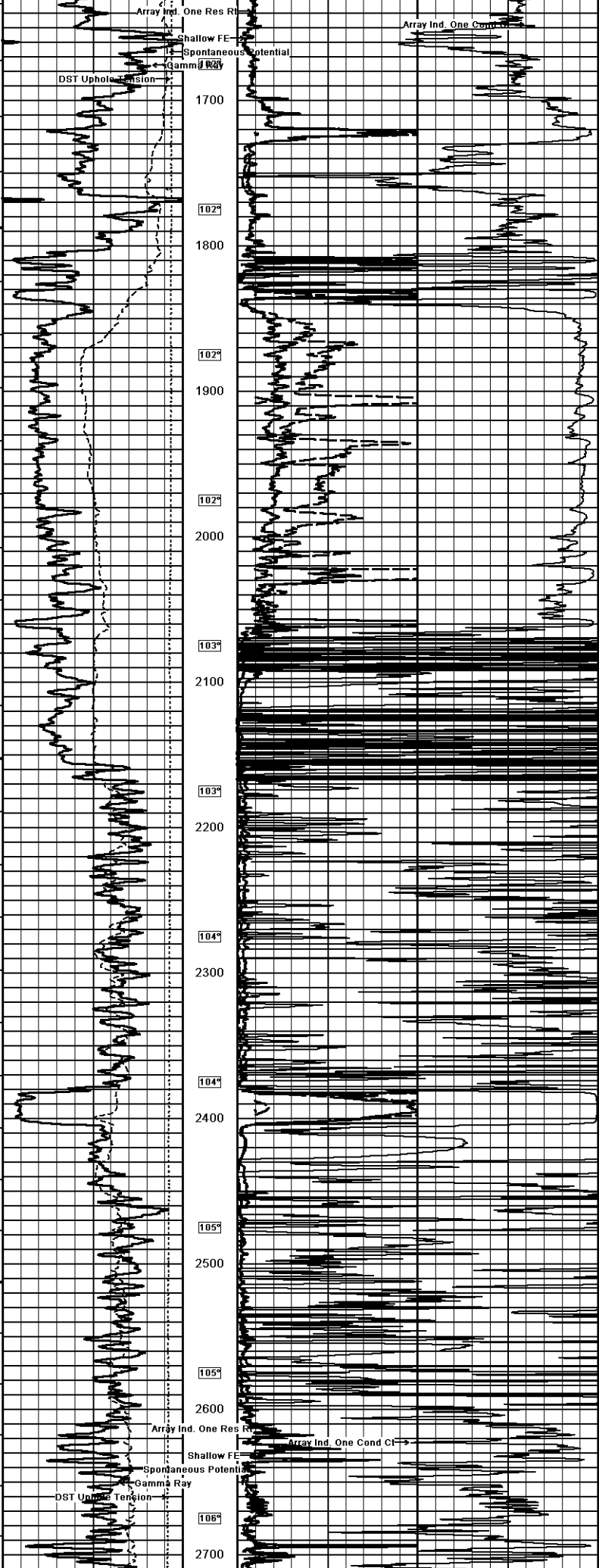
Total Length: 50.32 ft Weight: 407.9 lb

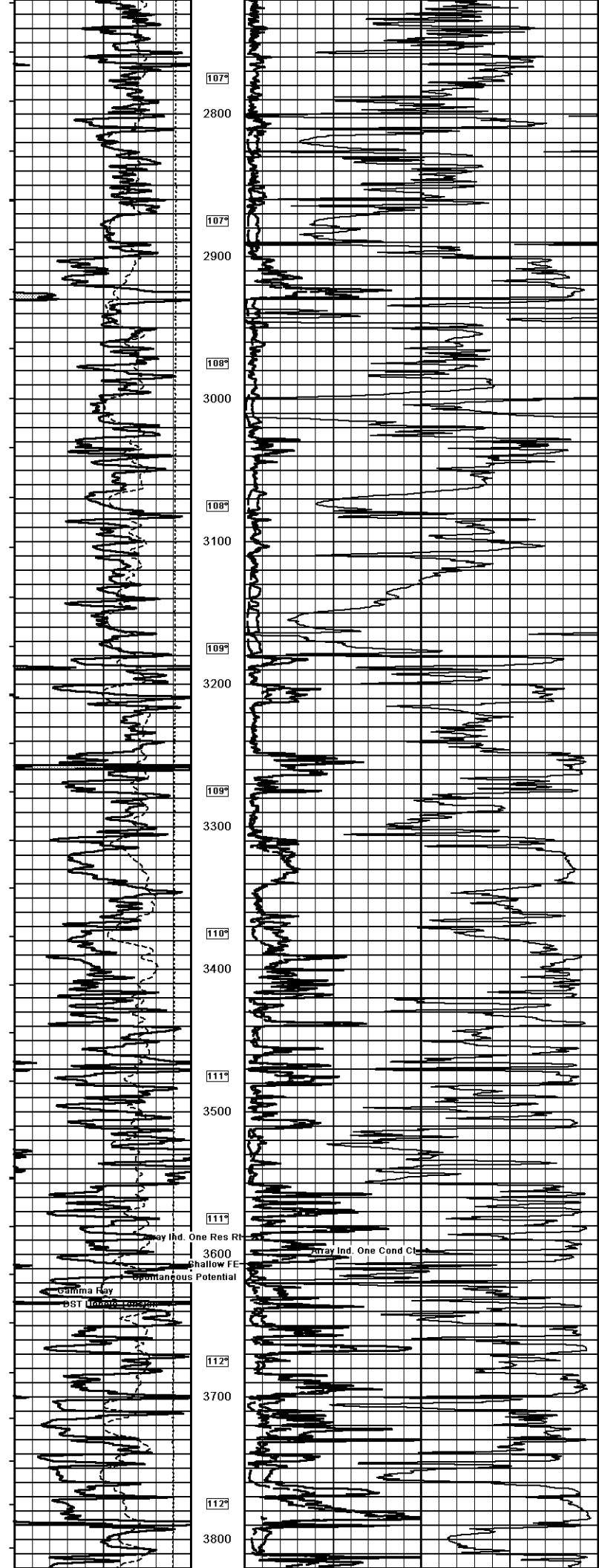
Total Length: 50.32 ft Weight: 407.9 lb



COMPANY	GRAND MESA OPERATING
WELL	CSC #1-21
FIELD	WILDCAT
PROVINCE/COUNTY	GOVE







107°

2800

107°

2900

108°

3000

108°

3100

109°

3200

109°

3300

110°

3400

111°

3500

111°

3600

112°

3700

112°

3800

Array Ind. One Res Rt

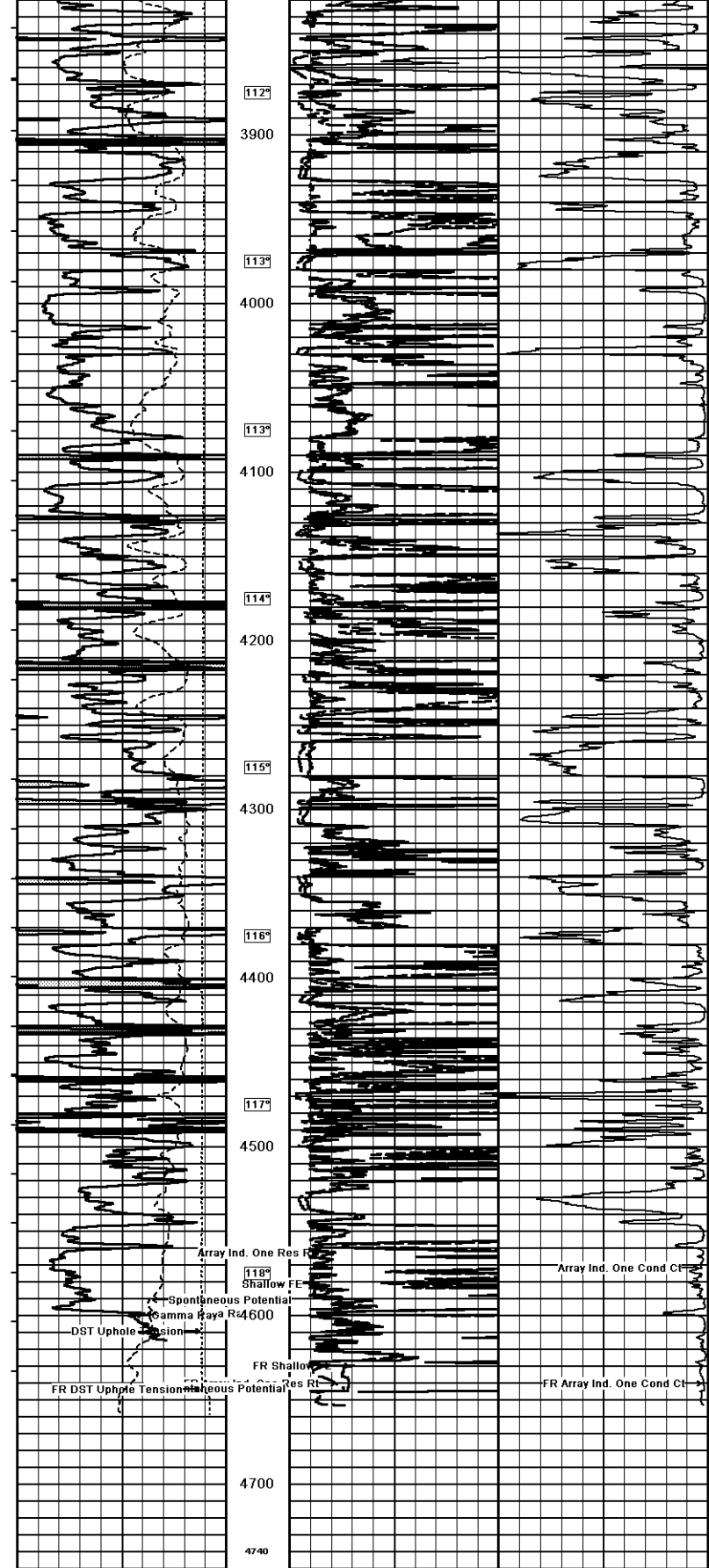
Shallow FE

Spontaneous Potential

Gamma Ray

EST Unsub. Resist

Array Ind. One Cond Ct



Array Ind. One Res Rt
 Array Ind. One Cond Ct
 Spontaneous Potential
 Gamma Ray R4600
 DST Uphole Tension
 FR Shallow Res Rt
 FR Array Ind. One Cond Ct

Timing Marks
 every 60.0 sec

Gamma Ray
 API
 0 75 150

Spontaneous Potential
 millivolts
 - 20 | < +

Depth in Feet

Array Ind. One Cond Ct
 mmhos
 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
 ohm metres
 0 25 50

Borehole Temp in deg F

US1 Upcore tension
pounds

Replay
Scale
1:600



0 250 500

Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 25-APR-2012 02:04
Filename: C:\Minimus 11.03.4044\Data\Grand Mesa CSC 1-21\Grand Mesa CSC 1-21_003.dta
Recorded on 24-APR-2012 23:50
System Versions: Logged with 11.03.4044 Plotted with 11.03.4044

↑ 1 INCH MAIN ↑

COMPANY	GRAND MESA OPERATING
WELL	CSC #1-21
FIELD	WILDCAT
PROVINCE/COUNTY	GOVE
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing	2893.00	feet	First Reading	4641.00	feet
Elevation Drill Floor	2891.00	feet	Depth Driller	4640.00	feet
Elevation Ground Level	2888.00	feet	Depth Logger	4644.00	feet

	ARRAY INDUCTION	
	SHALLOW FOCUSED	
	ELECTRIC LOG	