



Weatherford[®]

**ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG**

COMPANY **REDLAND RESOURCES, INC.**
 WELL **GLEASON 35-4**
 FIELD **WILDCAT**
 PROVINCE/COUNTY **HODGEMAN**
 COUNTRY/STATE **U.S.A. / KANSAS**
 LOCATION **1064' FNL & 1243' FWL NW/4
SE NW NW**

SEC	TWP	RGE	Other Services
35	23S	25W	MPD/MDN
API Number	15-083-21799		MML
Permit Number	MSS		

Permanent Datum G.L., Elevation 2516 feet
 Log Measured From KB
 Drilling Measured From K.B.

Date	08-SEP-2012		Elevations:	feet
Run Number	ONE		KB	2524.00
Depth Driller	4950.00		DF	2522.00
Depth Logger	4949.00		GL	2516.00
First Reading	4946.00			
Last Reading	222.00			
Casing Driller	222.00			
Casing Logger	222.00			
Bit Size	7.875			
Hole Fluid Type	CHEMICAL			
Density / Viscosity	1.10 g/c3	51.00 CP		
PH / Fluid Loss	9.00	15.60 ml/30Min		
Sample Source	FLOWLINE			
Rm @ Measured Temp	0.92 @ 75.0	ohm-m		
Rmf @ Measured Temp	0.74 @ 75.0	ohm-m		
Rmc @ Measured Temp	1.10 @ 75.0	ohm-m		
Source Rmf / Rmc	CALC	CALC		
Rm @ BHT	0.63 @ 110.0	ohm-m		
Time Since Circulation	4 HOURS			
Max Recorded Temp	110.00	deg F		
Equipment Name	COMPACT			
Equipment / Base	13096	LIB		
Recorded By	R.HOFFMAN			
Witnessed By	DAVID HICKMAN			
S.O. # / JOB #	3537881		LB12-244	

BOREHOLE RECORD			Last Edited: 08-SEP-2012 18:11	
Bit Size inches	Depth From feet	Depth To feet		
7.875	222.00	4949.00		
CASING RECORD				
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	222.00	24.00

REMARKS

Tools Used: MCG, MML, MDN, MPD, MFE, MSS, MAI.
 Hardware: MPD: 8 inch profile plate used. MAI, MFE, and MSS: 0.5 Inch standoffs used. MDN: Dual Bowspring used.
 2.71 G/CC Limestone density matrix used to calculate porosity.
 Sonic porosity calculated using 47.5 usec/ft Limestone scale.
 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= 2285 cubic feet
 Annular volume with 4.5 inch production casing = 298 cubic feet
 Service order #3537881
 Rig: Duke Drilling Rig #2
 Engineer: R. Hoffman
 Operator(s): K. Rinehart

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions in our price schedule.

2 INCH MAIN

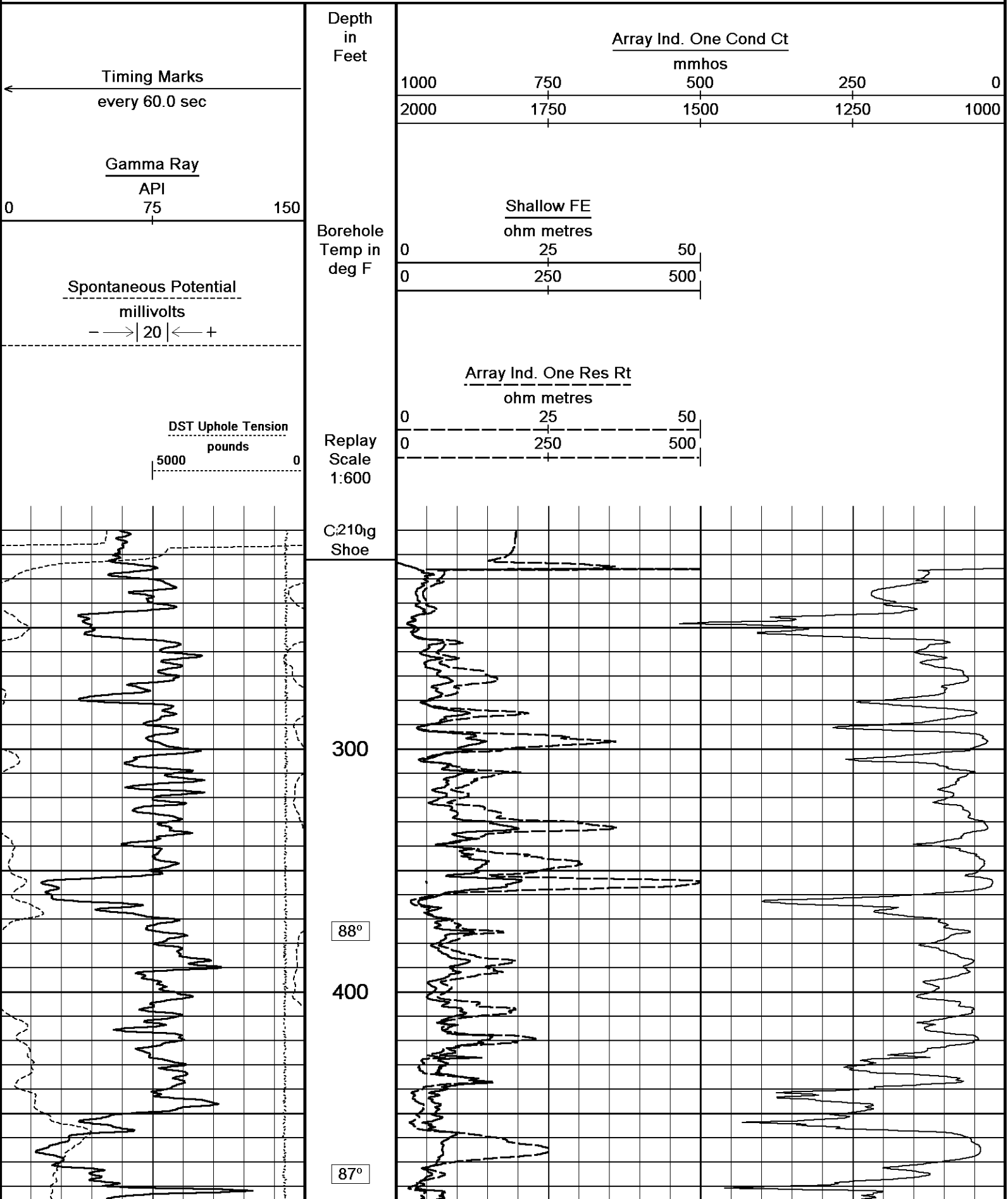
Depth Based Data - Maximum Sampling Increment 10.0cm

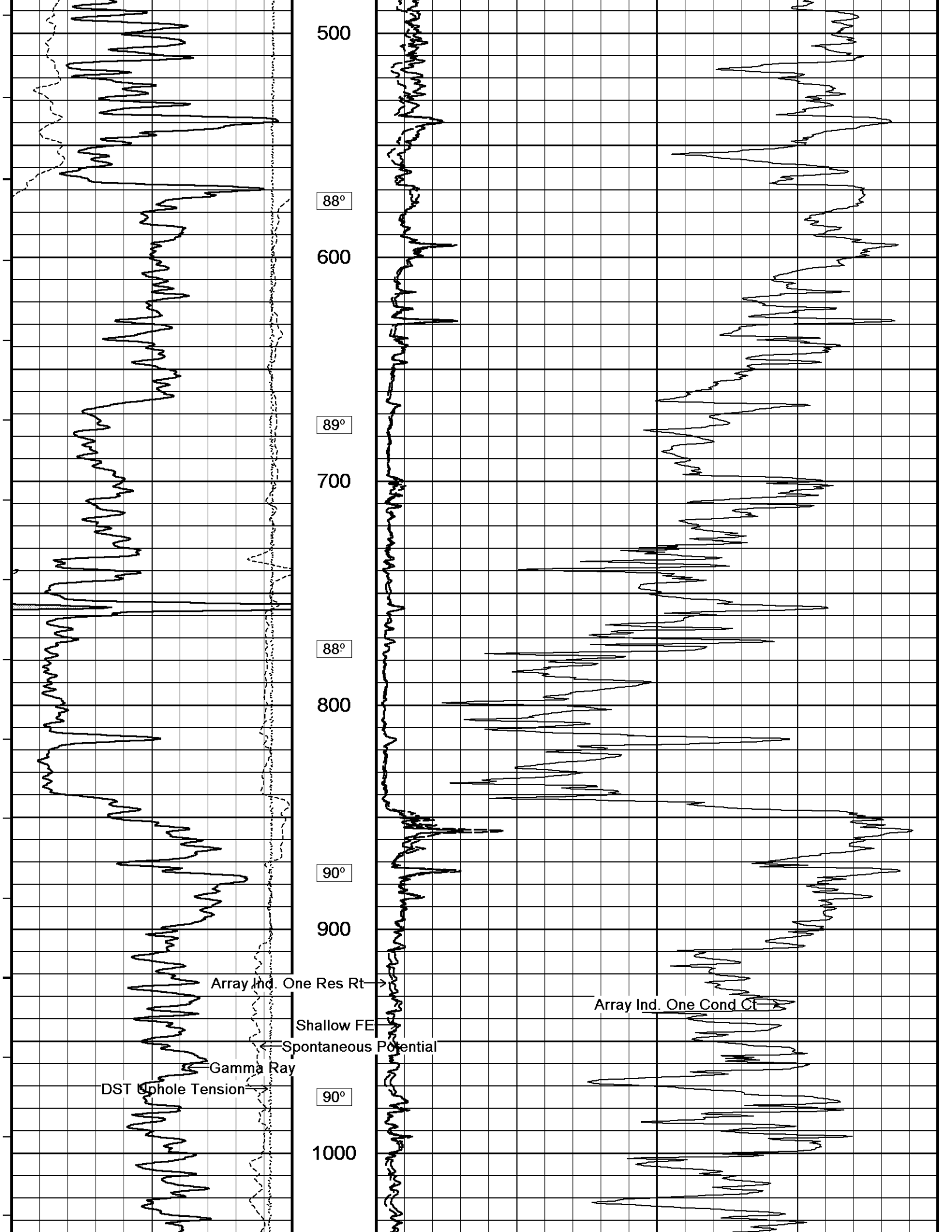
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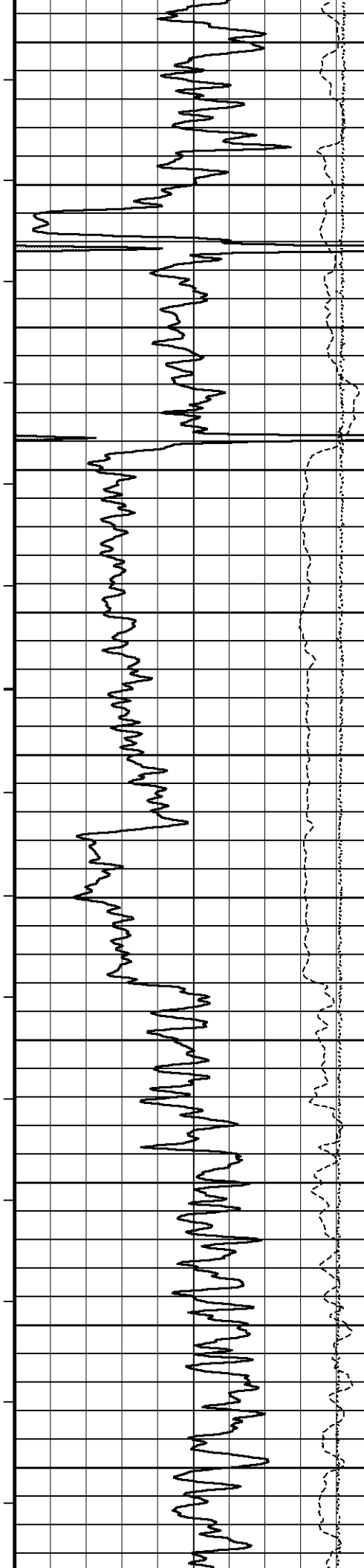
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Recorded on 08-SEP-2012 17:09

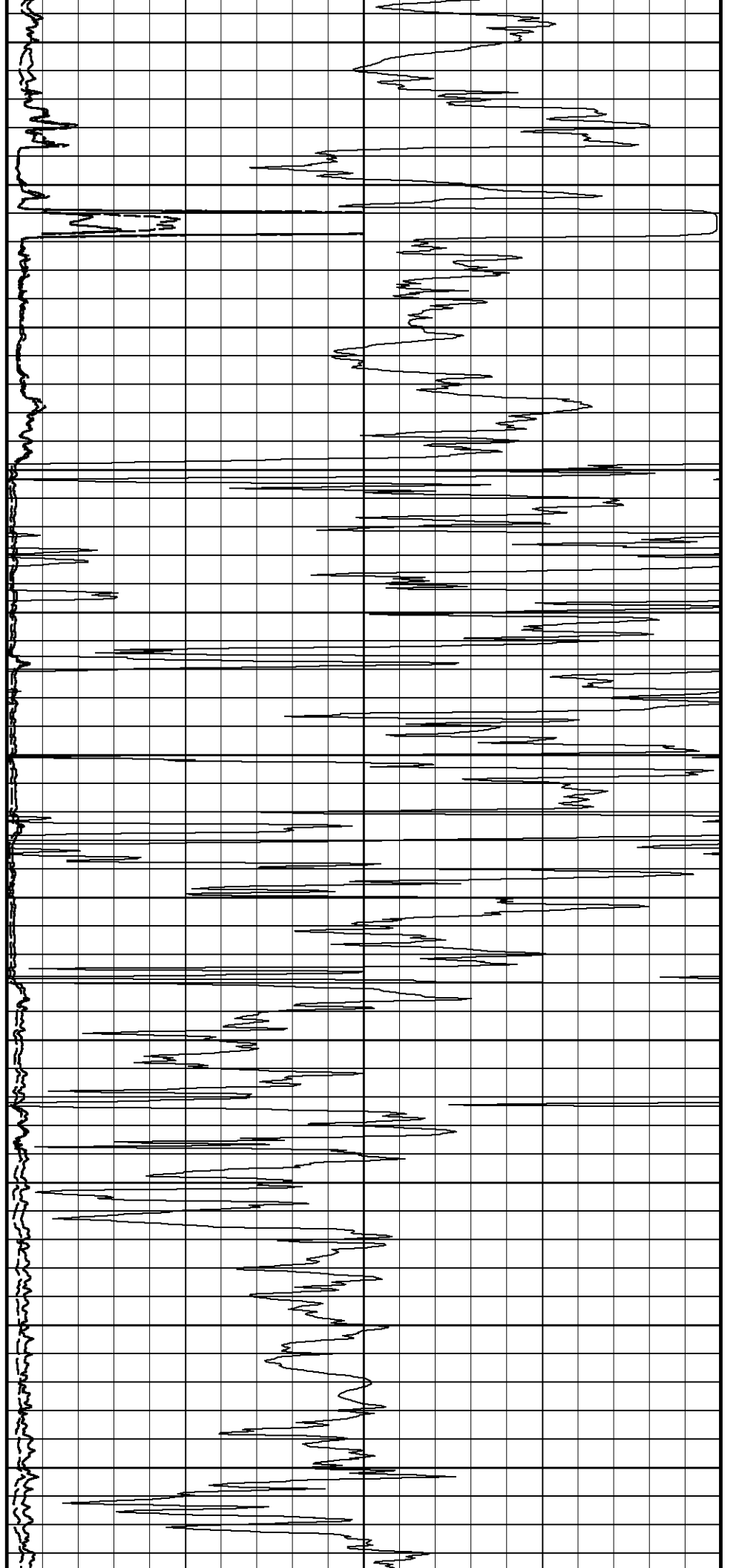
System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

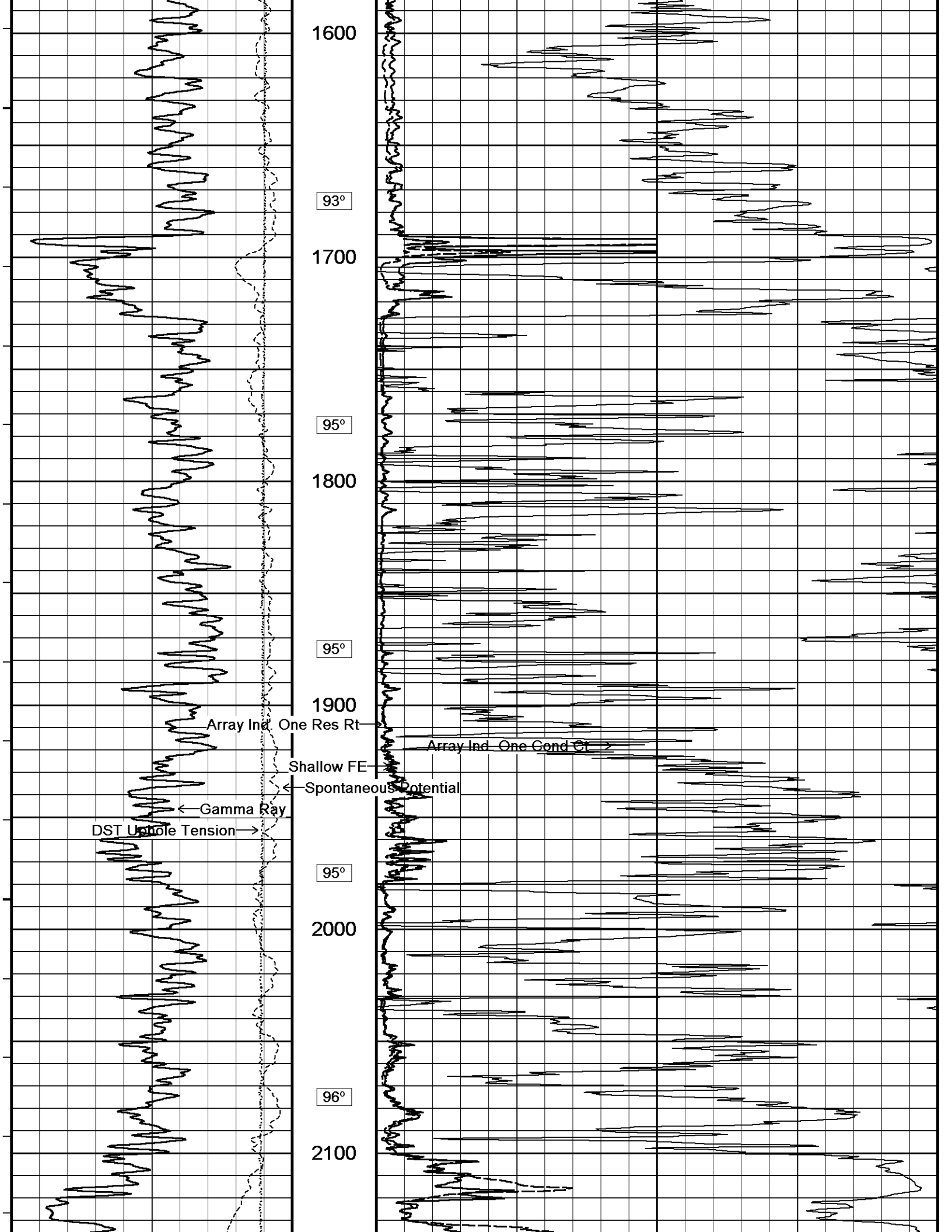


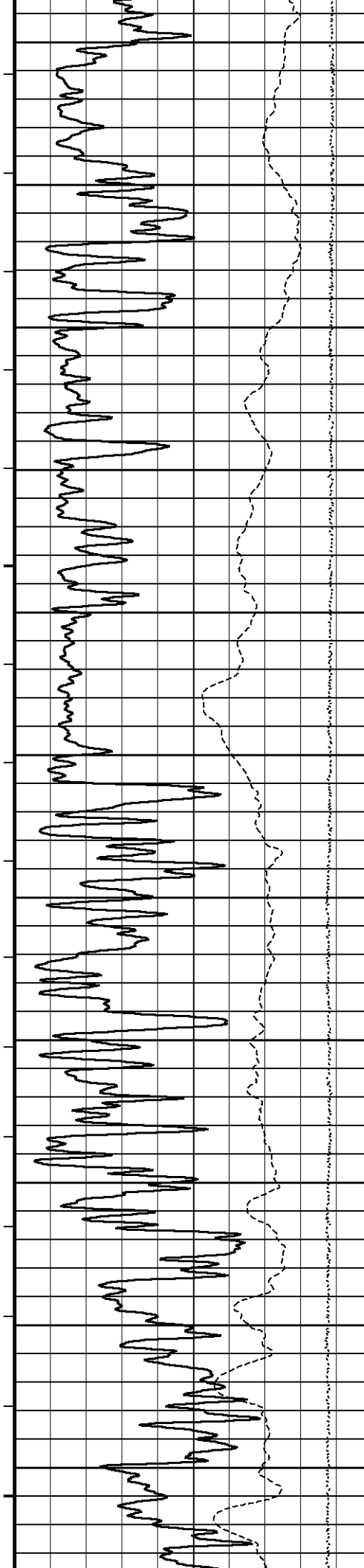




91°
1100
91°
1200
91°
1300
92°
1400
92°
1500
93°







97°

2200

97°

2300

97°

2400

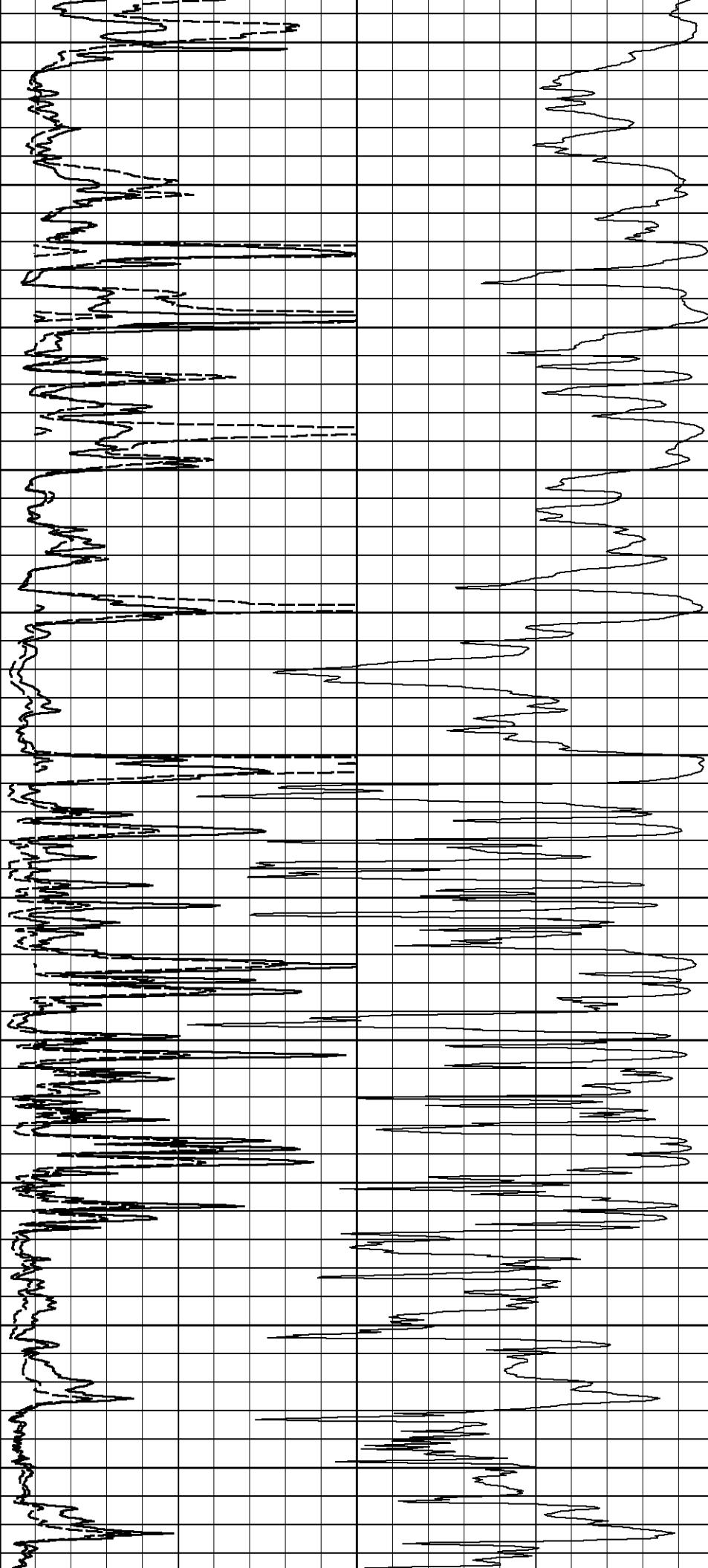
97°

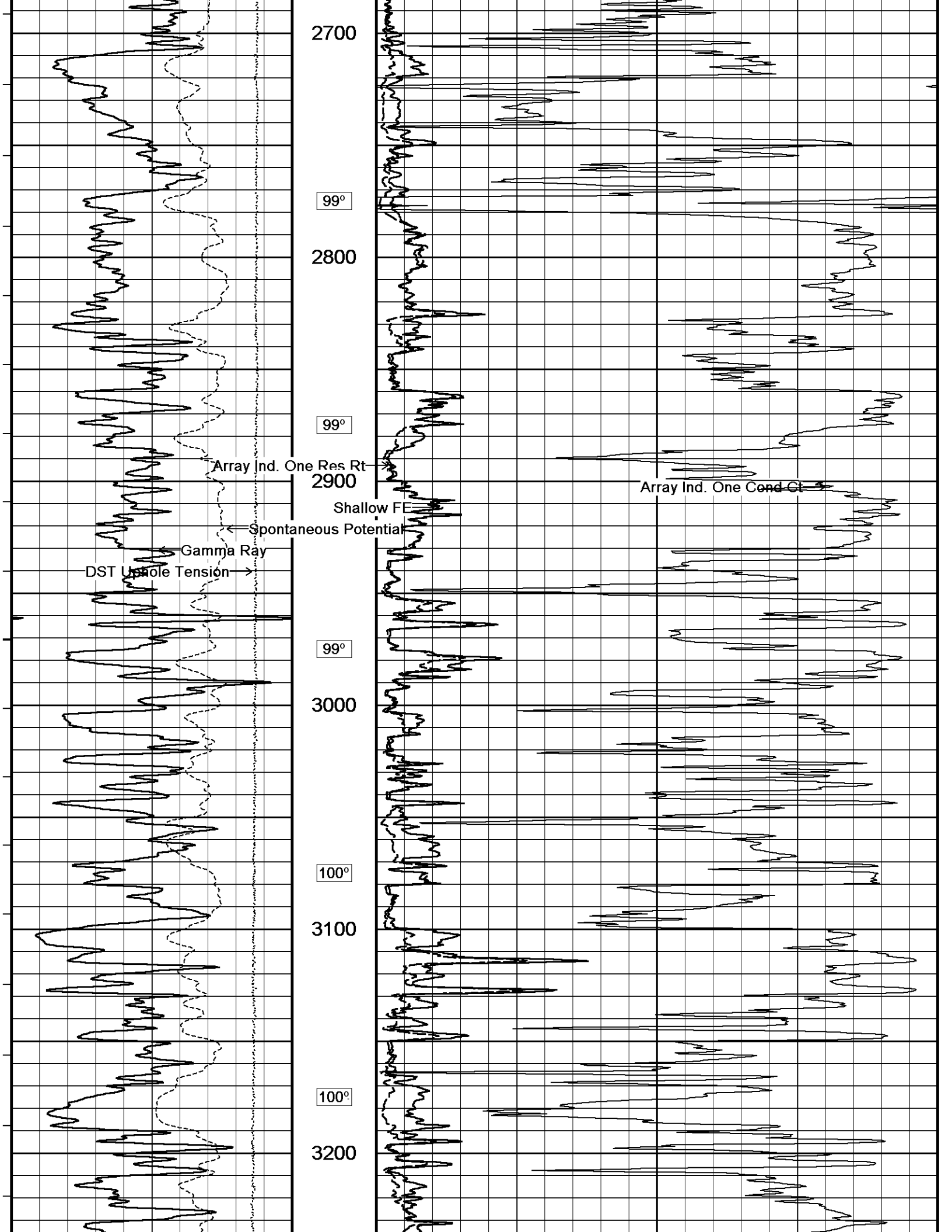
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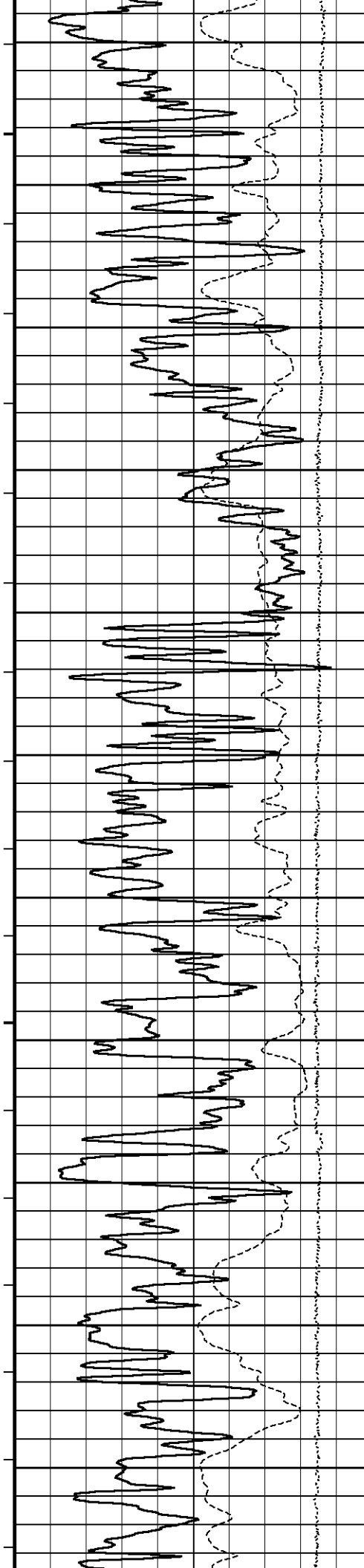
97°

2600

98°







101°

3300

101°

3400

102°

3500

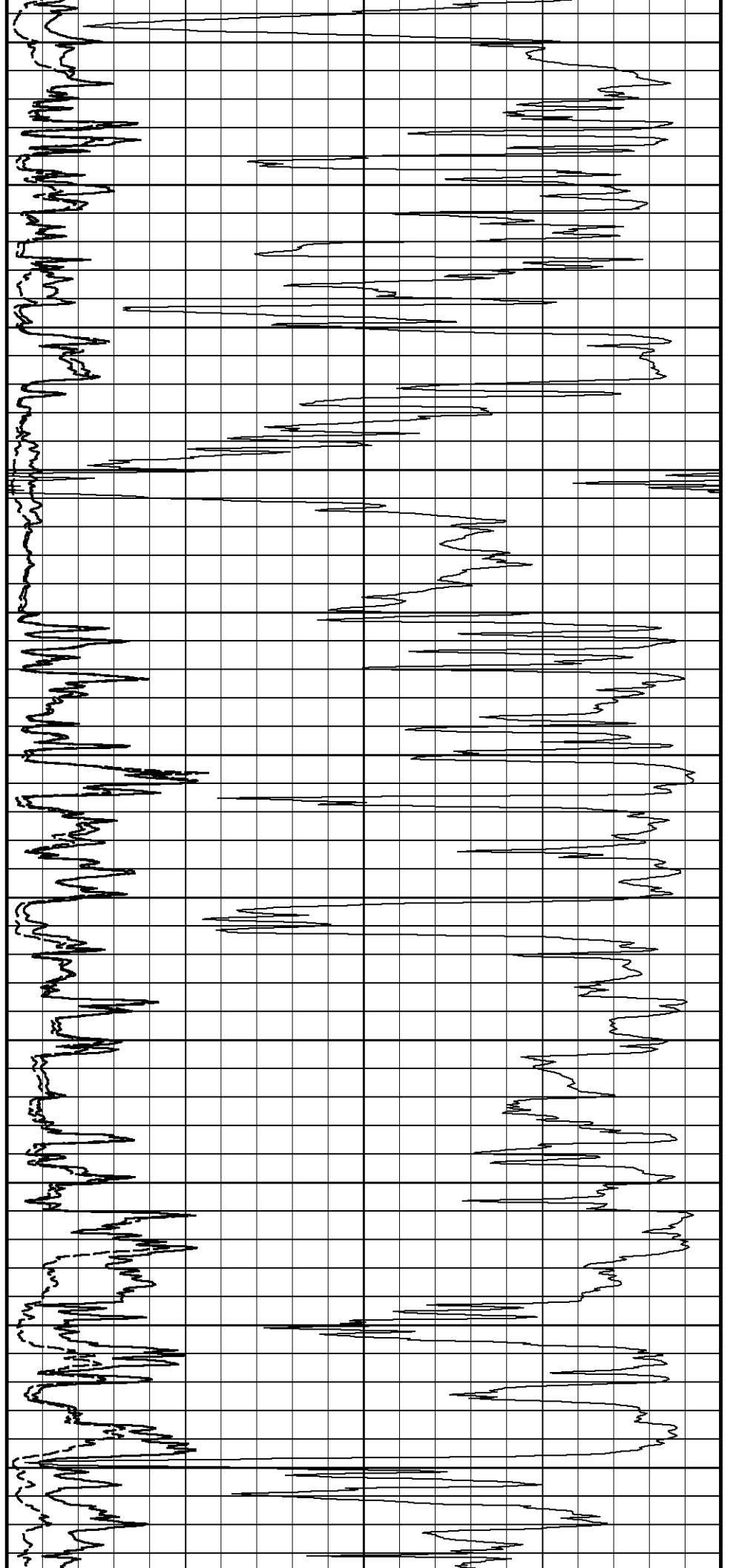
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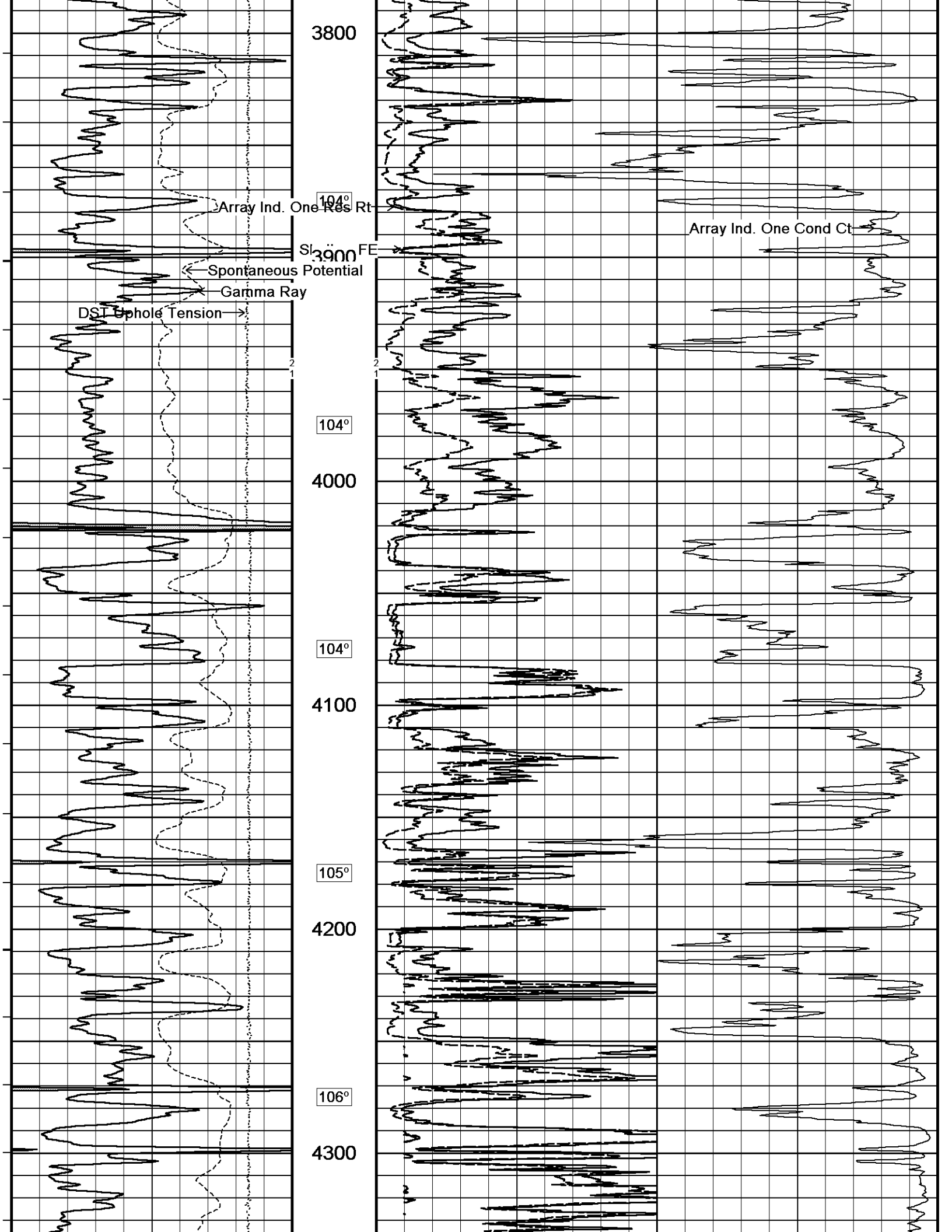
3600

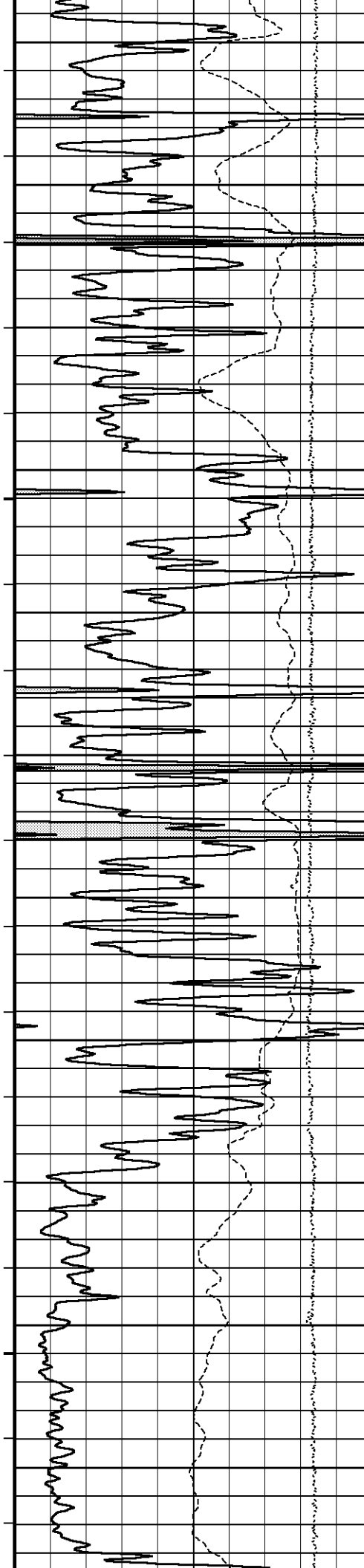
103°

3700

103°







106°

4400

106°

4500

107°

4600

108°

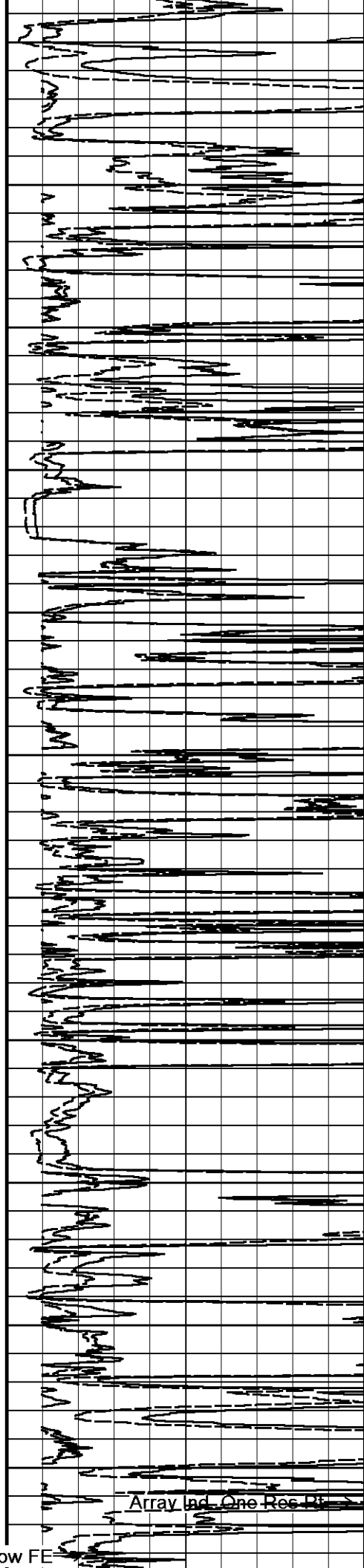
4700

110°

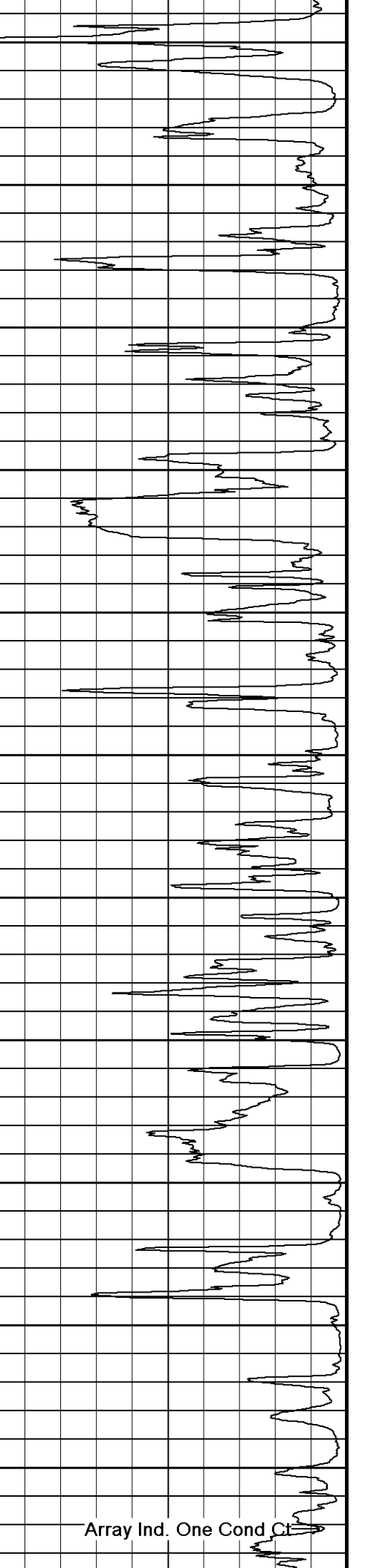
4800

110°

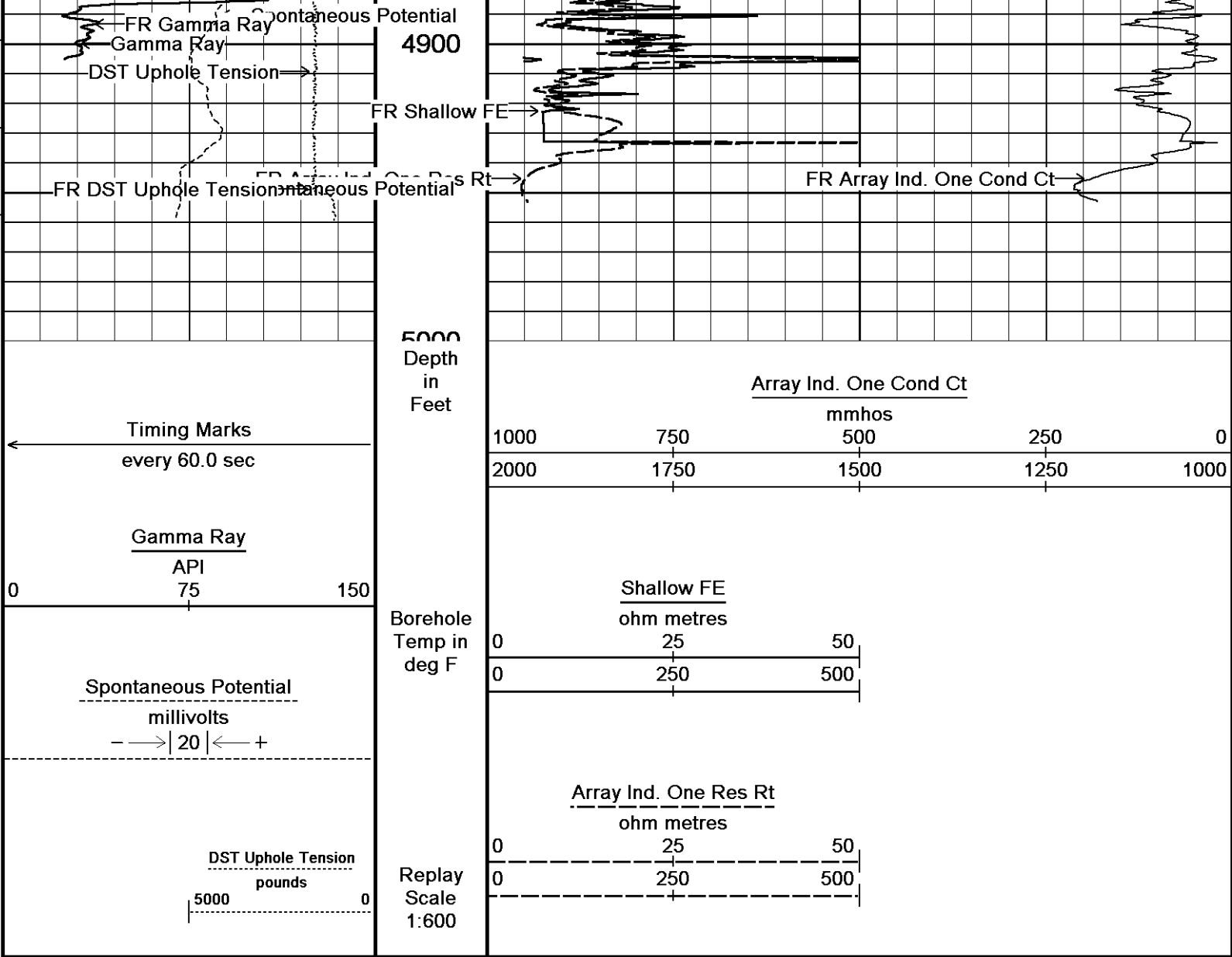
Shallow FE



Array Ind. One Rec 12



Array Ind. One Cond Cl

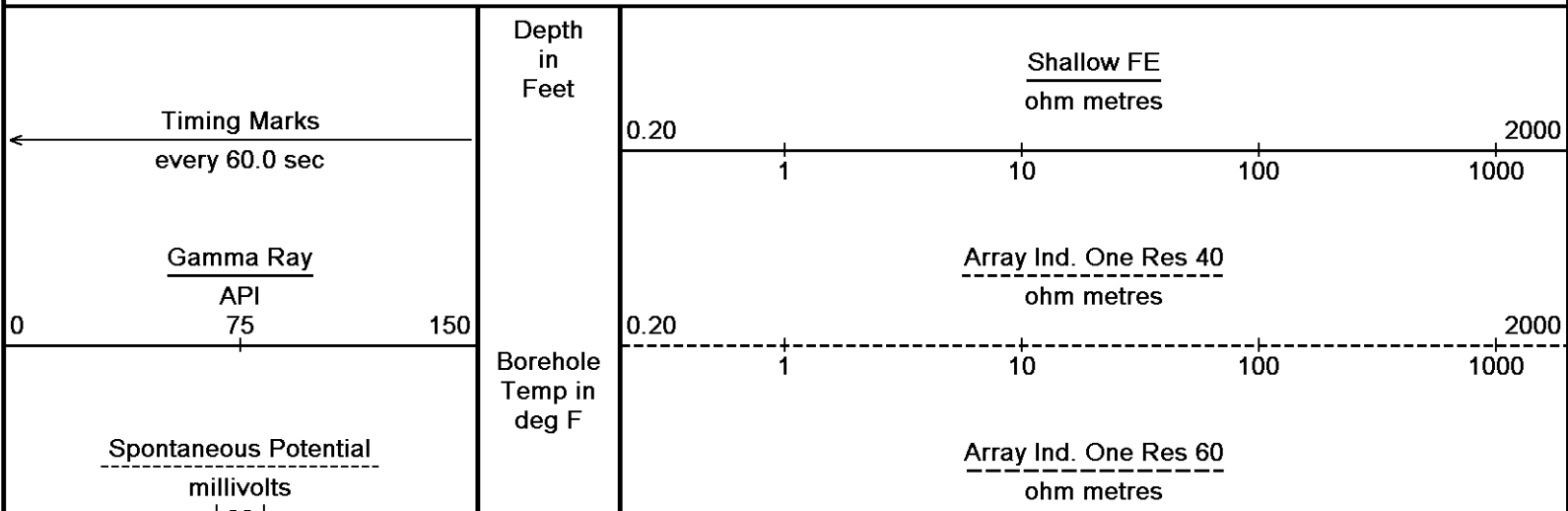


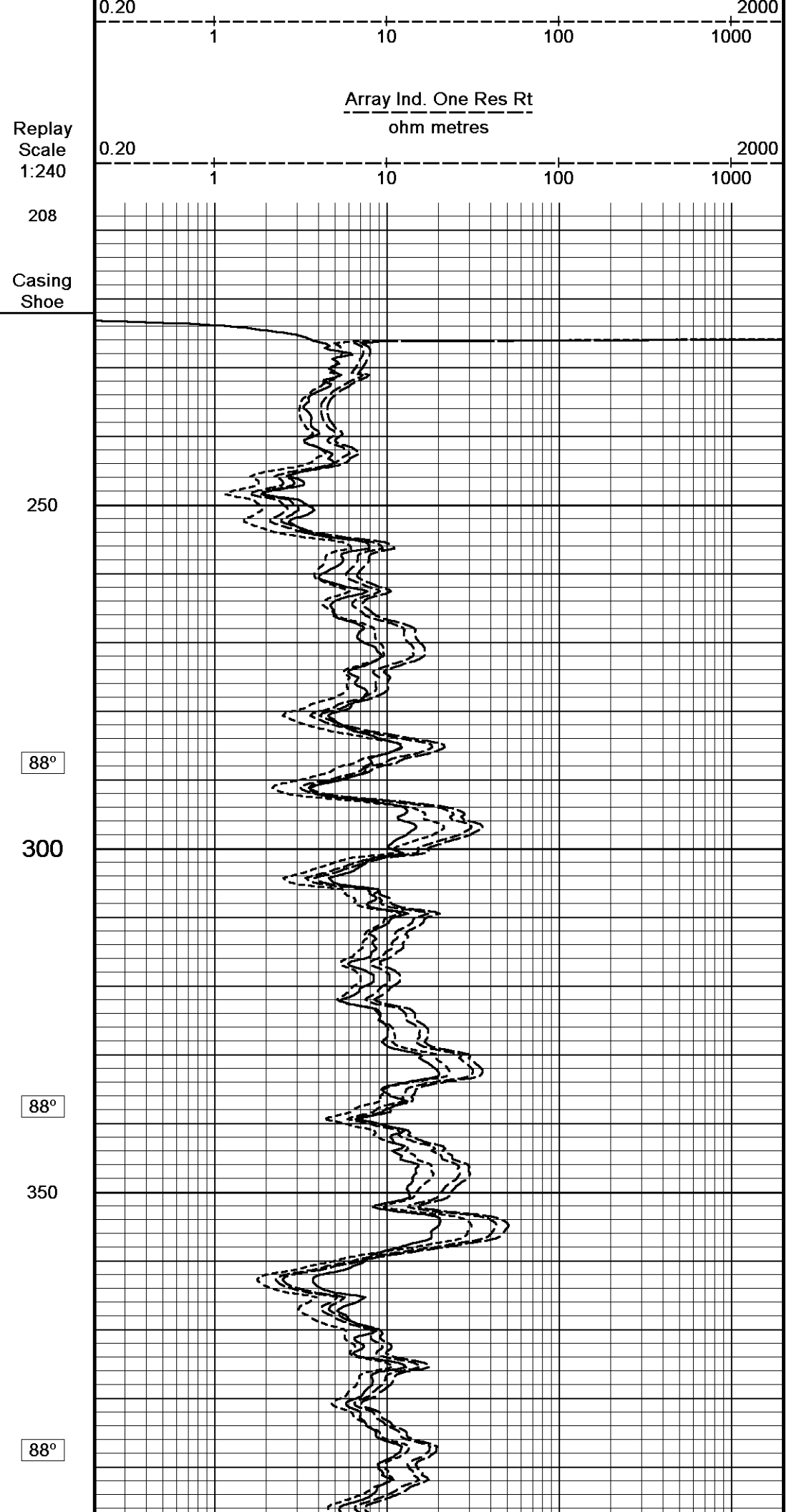
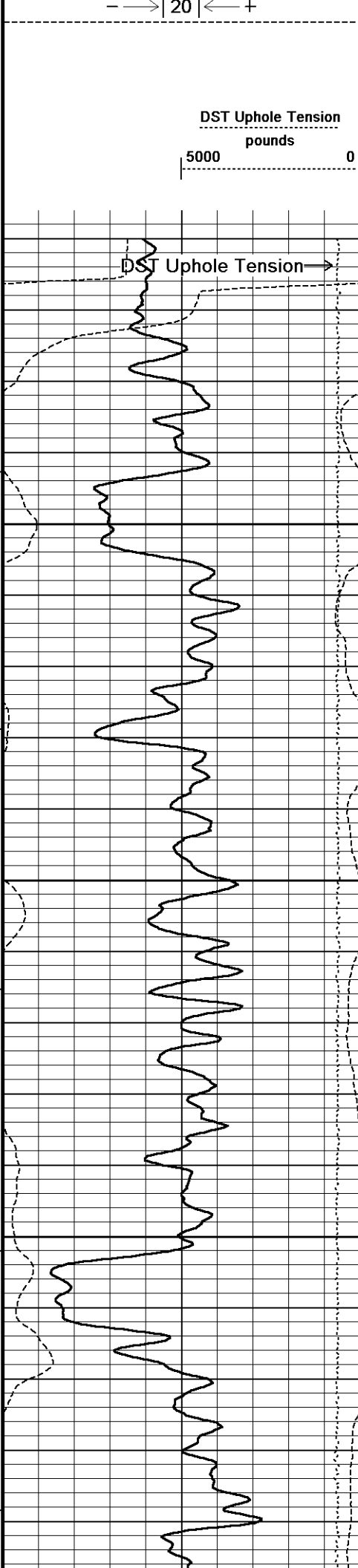
Depth Based Data - Maximum Sampling Increment 10.0cm
 Filename: C:\Minimus 13.02.6600\Data\Redland Gleason 35-4\Redland Gleason 35-4 Main.dta
 System Versions: Logged with 13.02.6600 Plotted with 13.02.6600
 Plotted on 08-SEP-2012 20:18
 Recorded on 08-SEP-2012 17:09

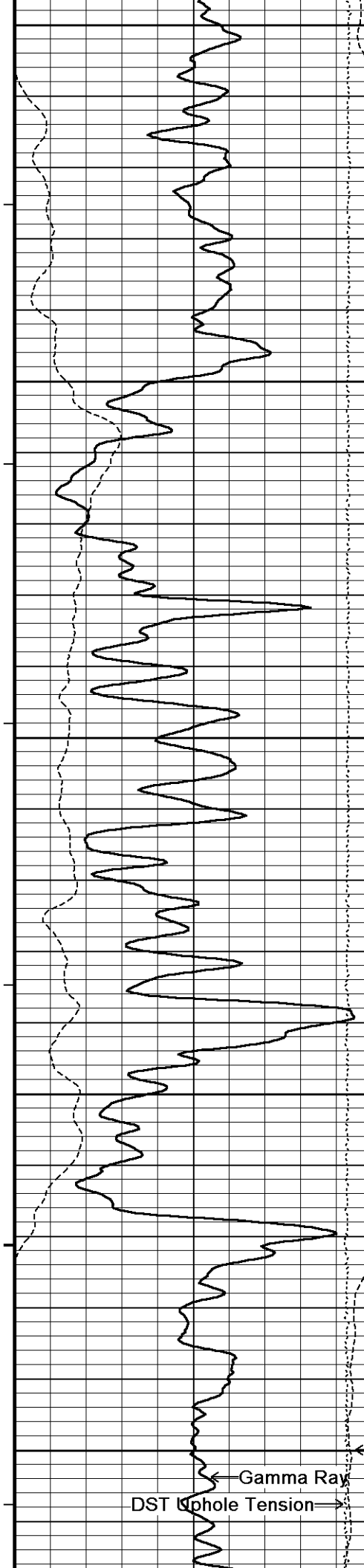
↑ **2 INCH MAIN** ↑

↓ **5 INCH MAIN** ↓

Depth Based Data - Maximum Sampling Increment 10.0cm
 Filename: C:\Minimus 13.02.6600\Data\Redland Gleason 35-4\Redland Gleason 35-4 Main.dta
 System Versions: Logged with 13.02.6600 Plotted with 13.02.6600
 Plotted on 08-SEP-2012 20:18
 Recorded on 08-SEP-2012 17:09







400

87°

450

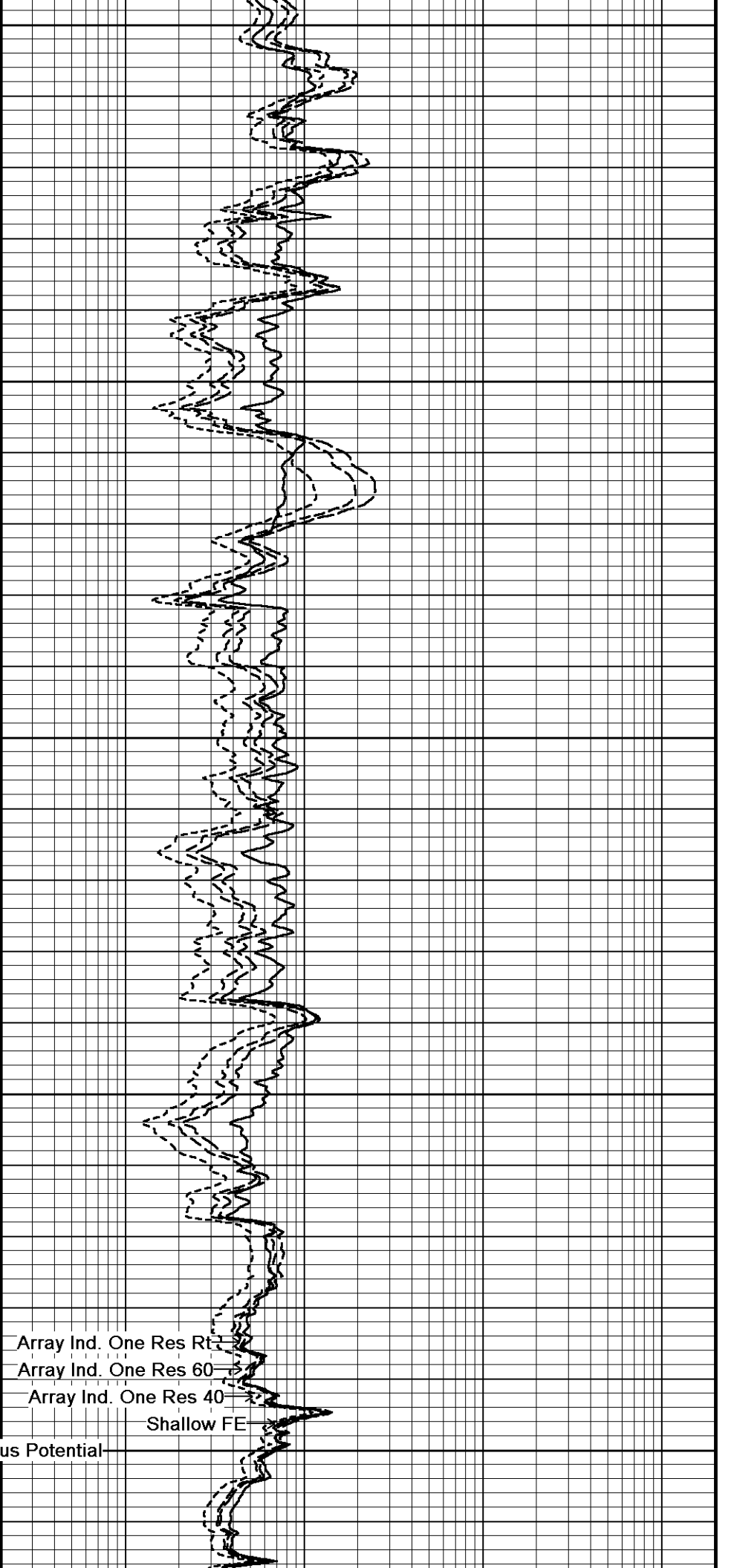
87°

500

87°

550

88°



Array Ind. One Res Rt

Array Ind. One Res 60

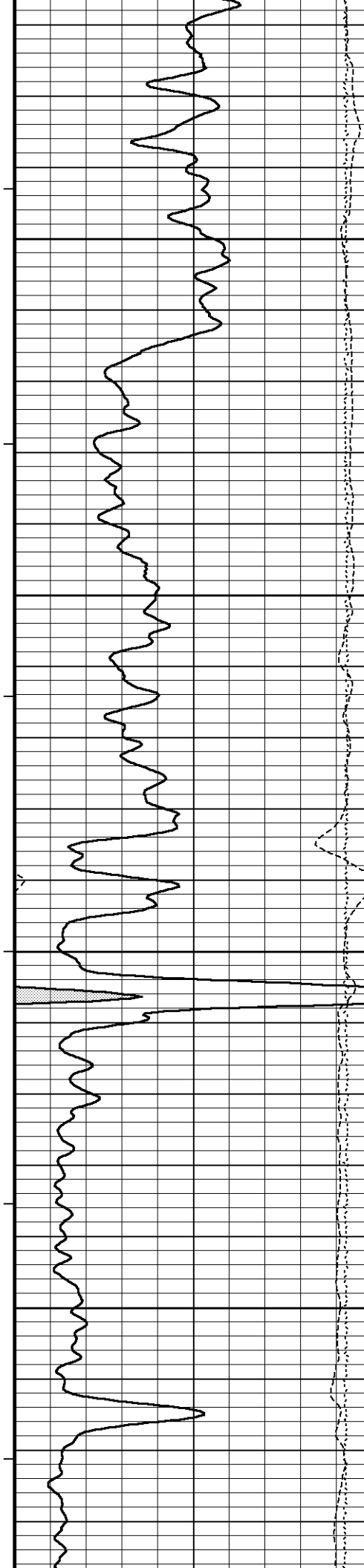
Array Ind. One Res 40

Shallow FE

← Gamma Ray

DST → Up-hole Tension

← Sp60neous Potential



89°

650

89°

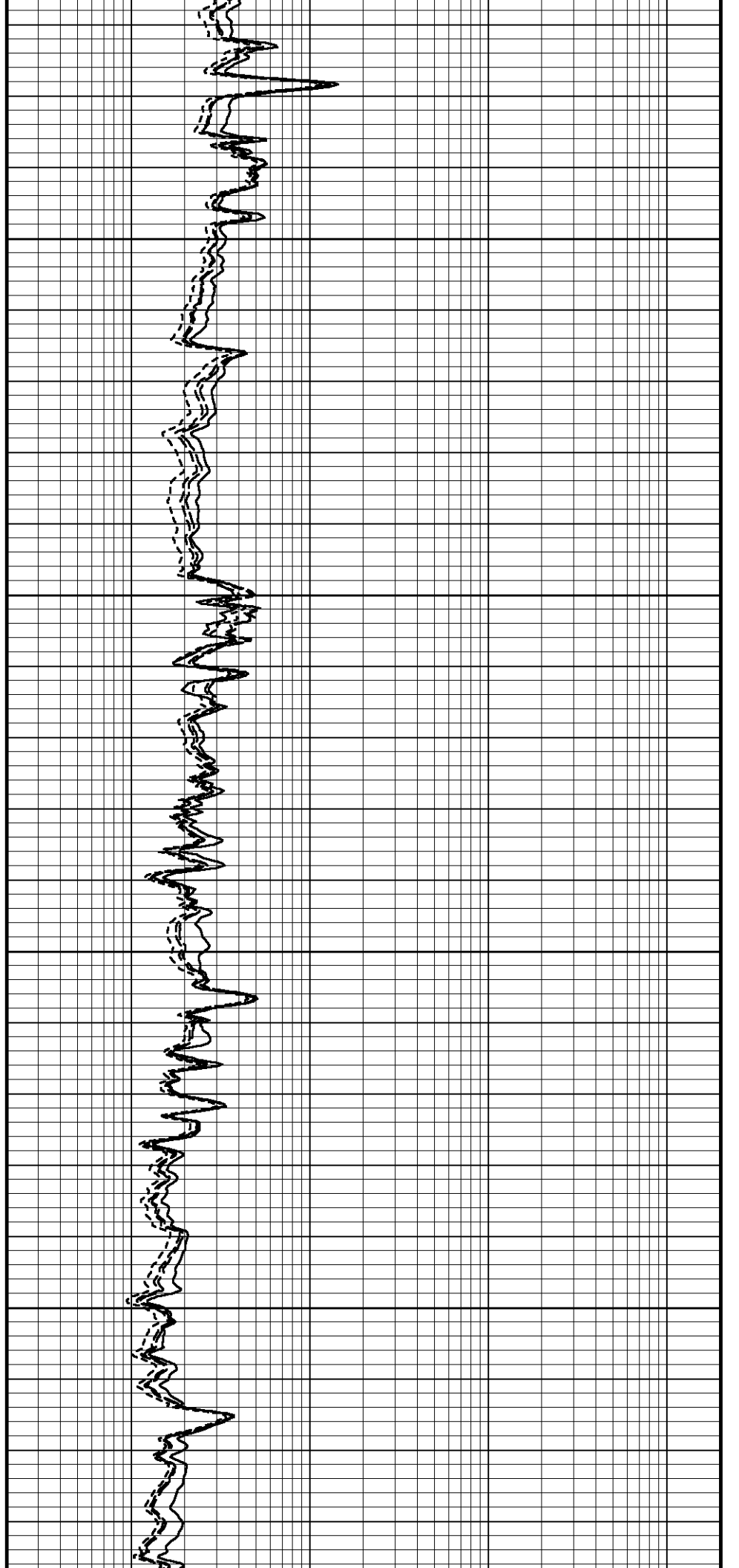
700

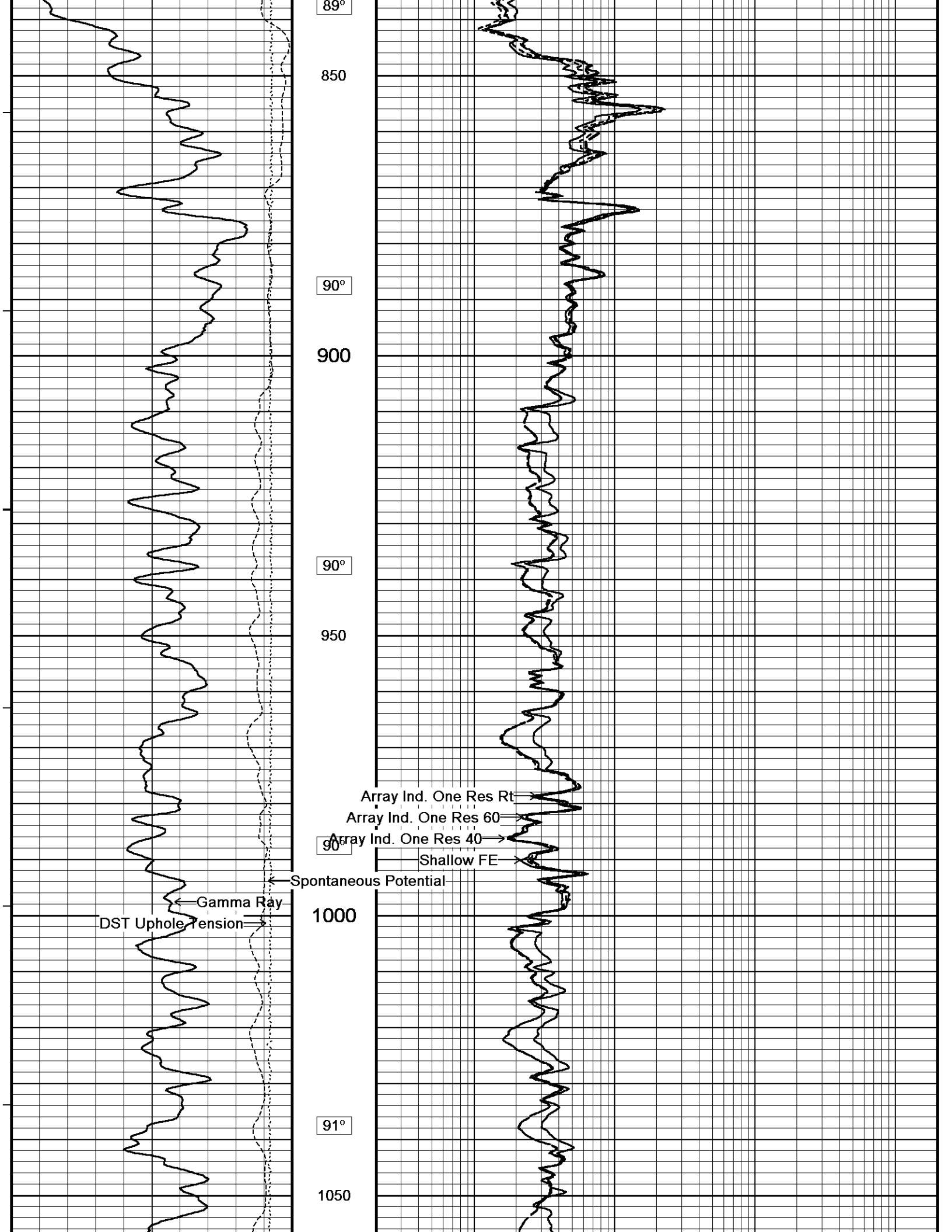
88°

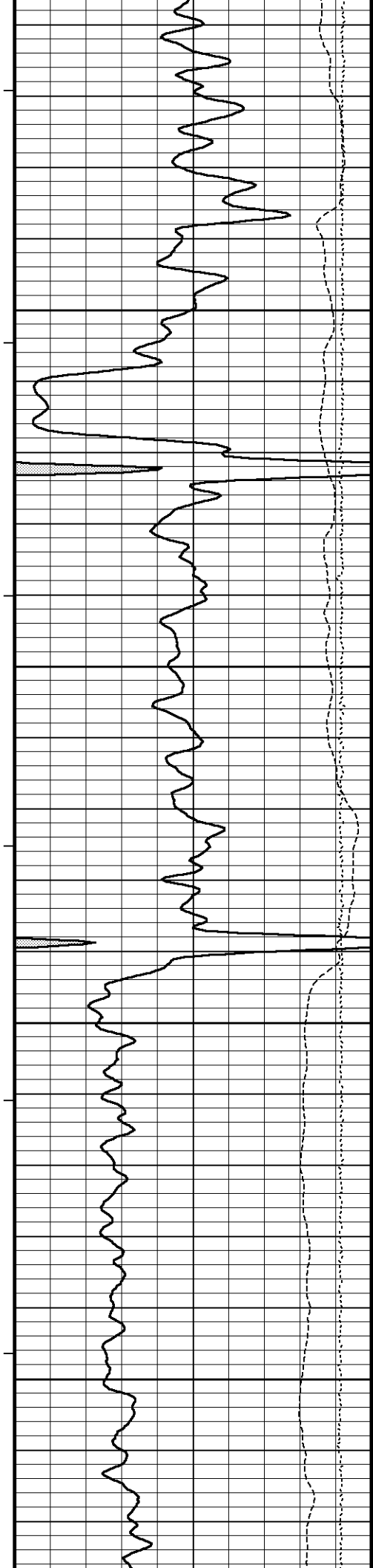
750

88°

800







91°

1100

91°

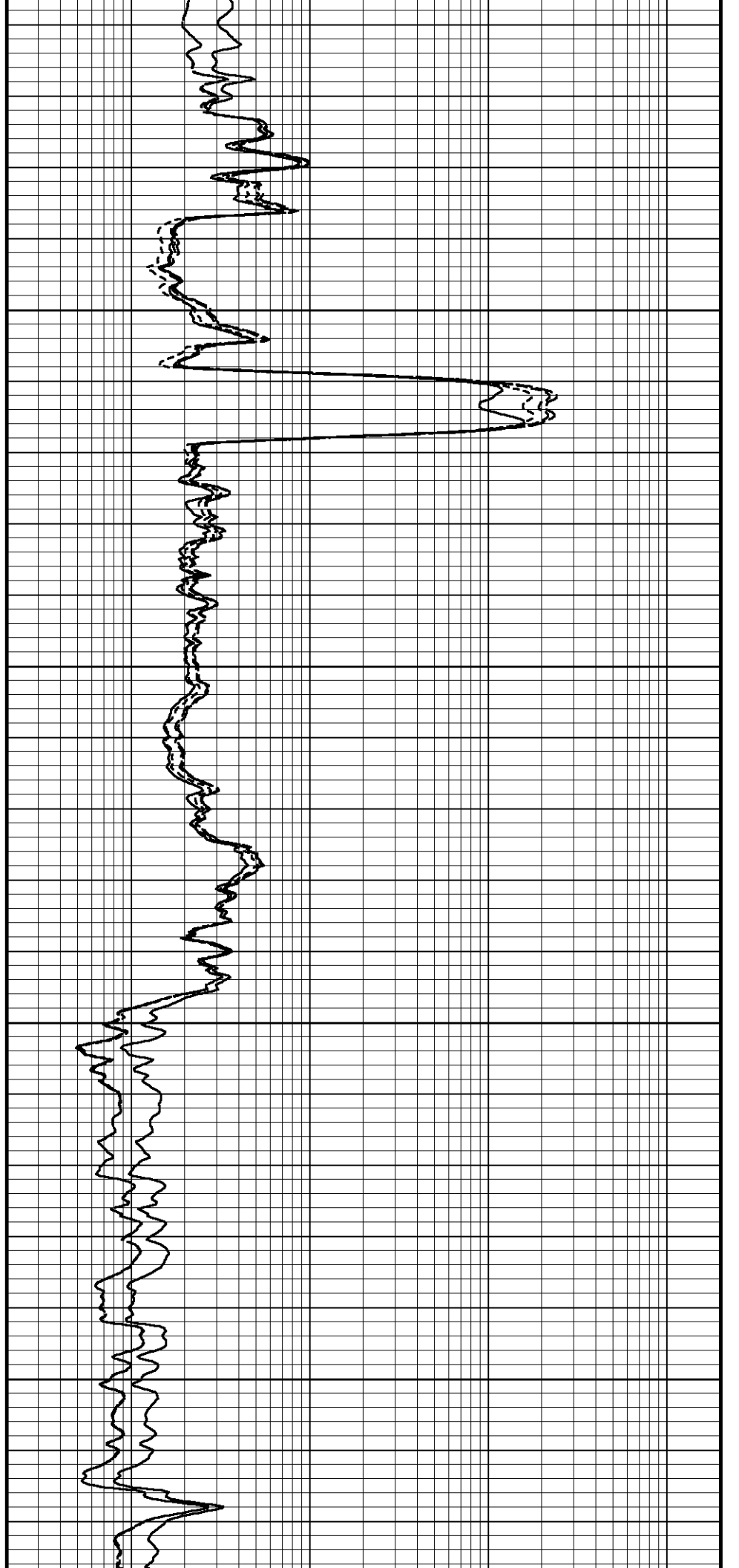
1150

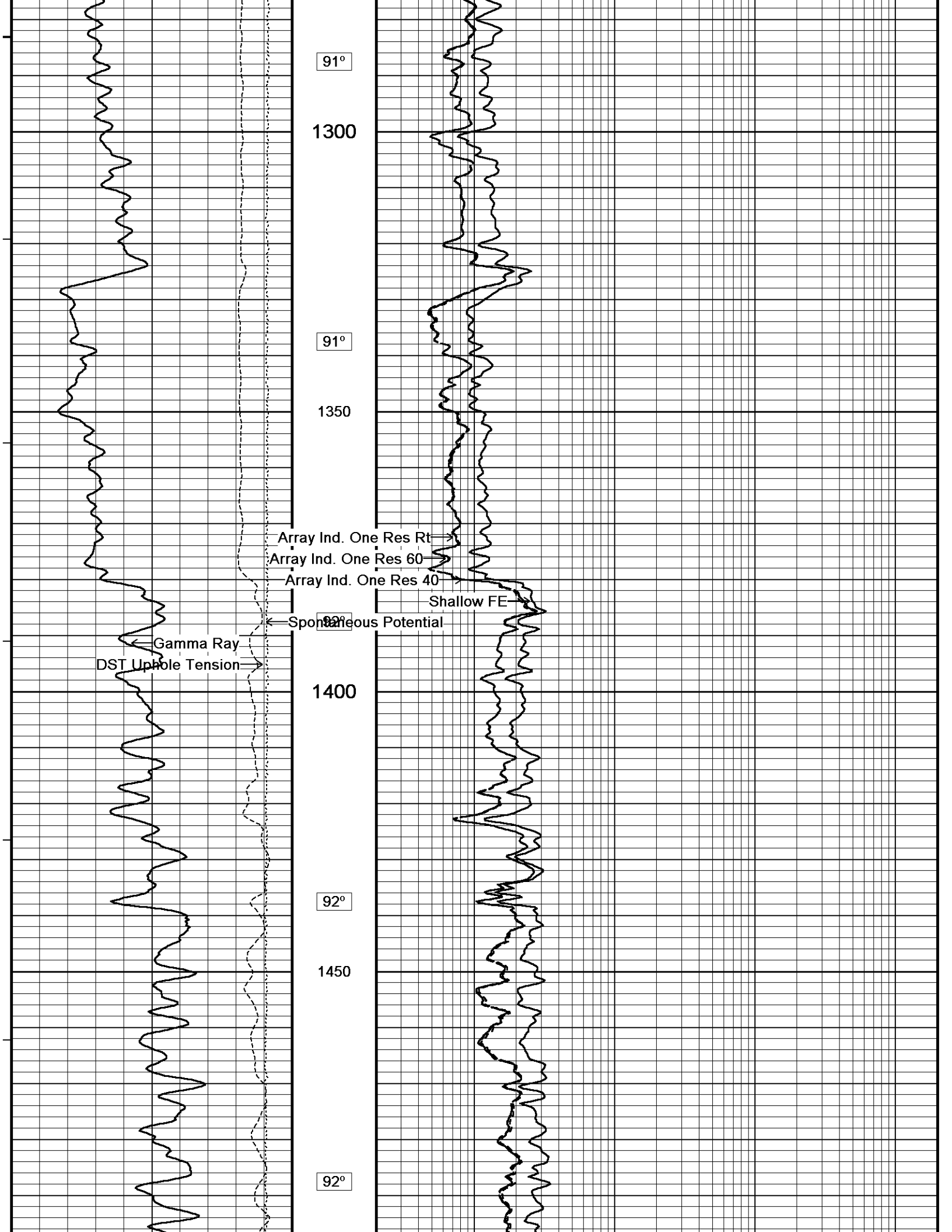
91°

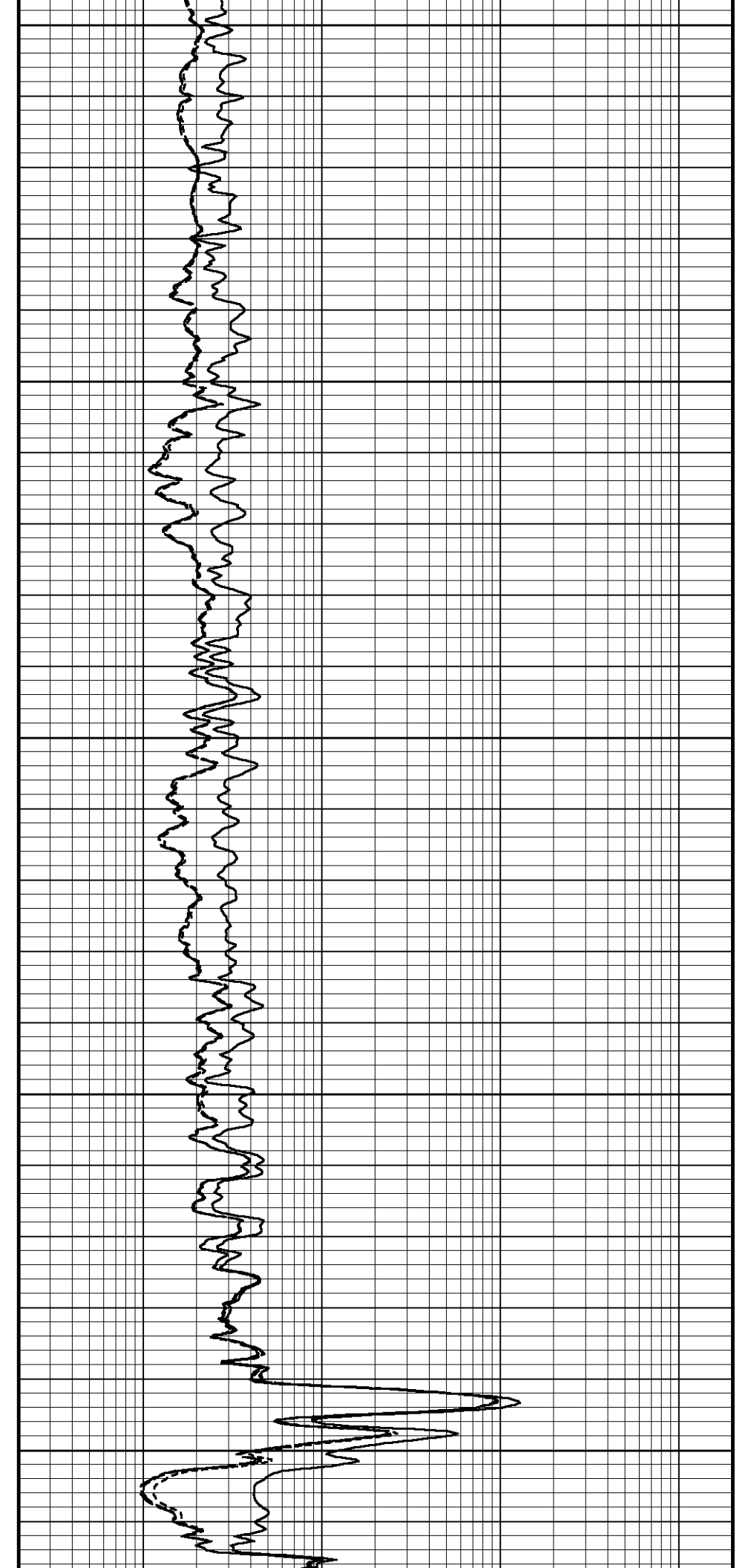
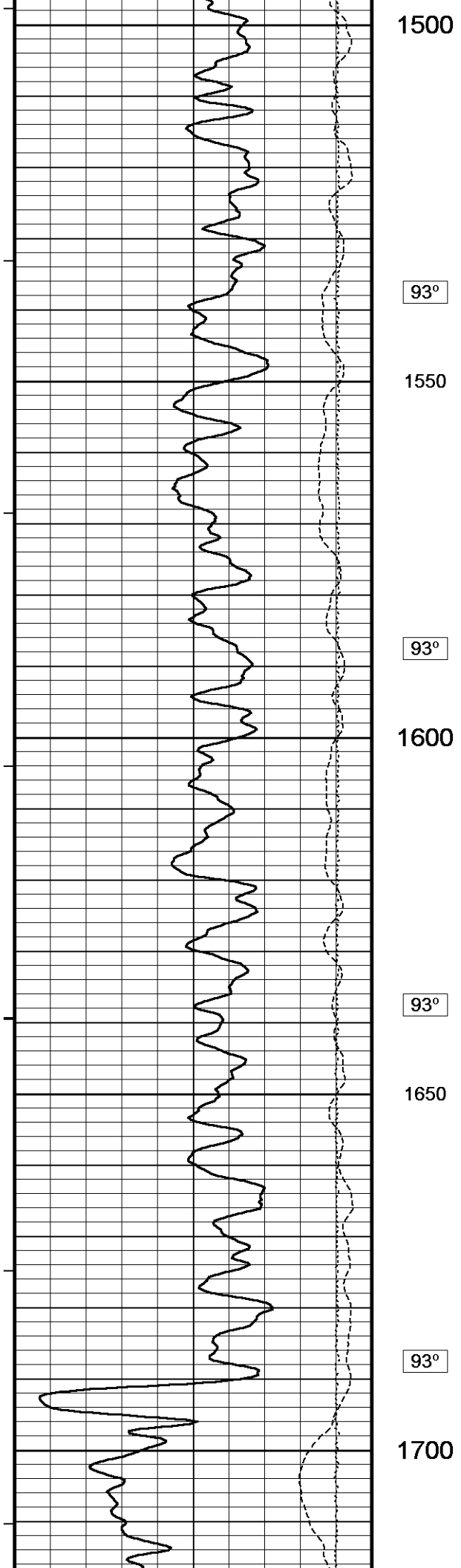
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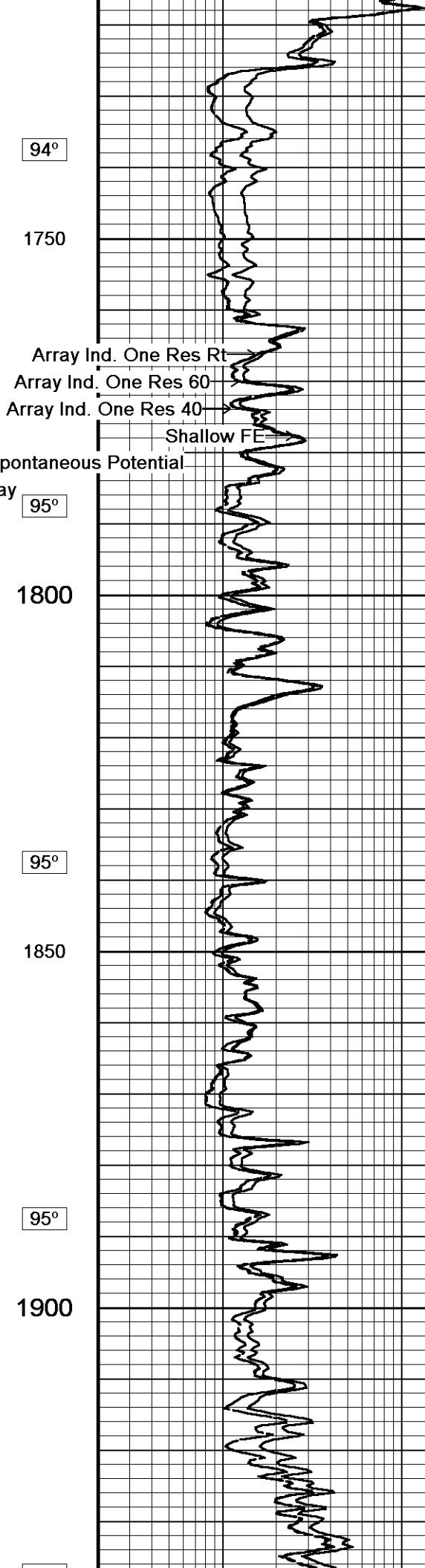
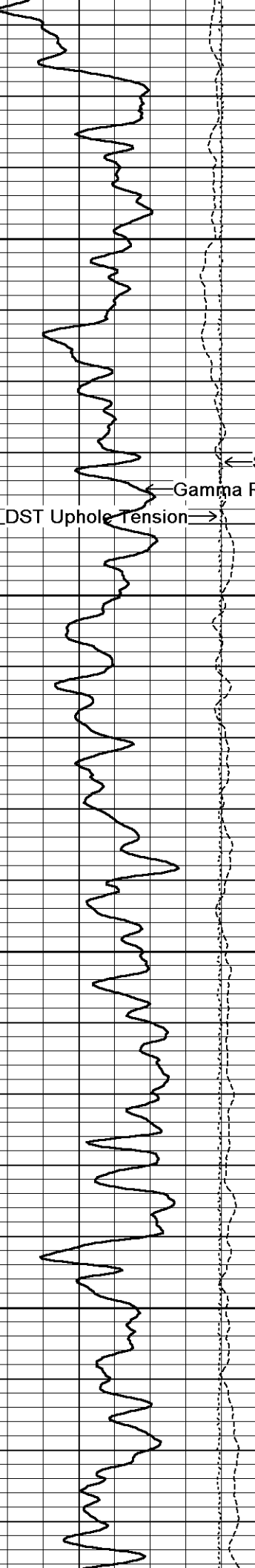
91°

1250









← Spontaneous Potential

94°

1750

95°

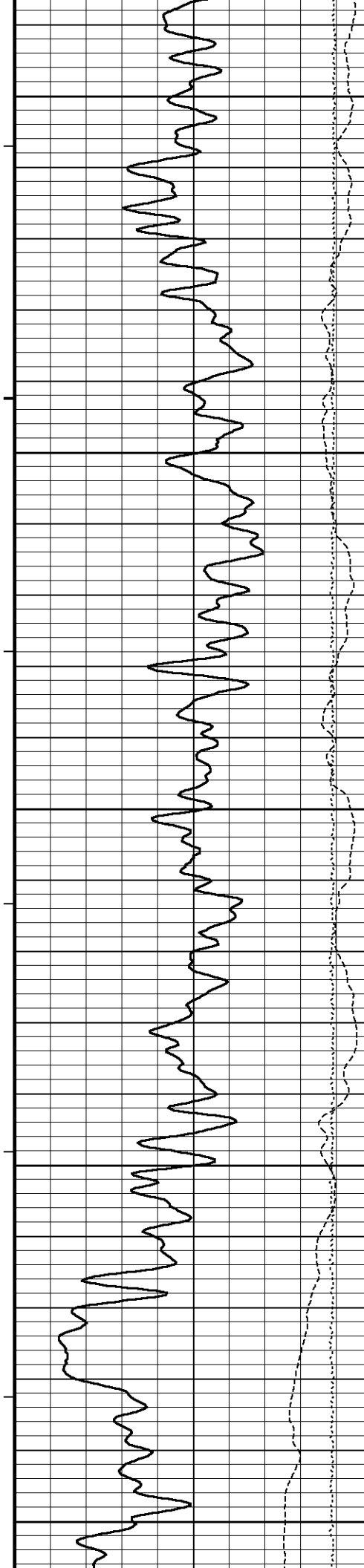
1800

95°

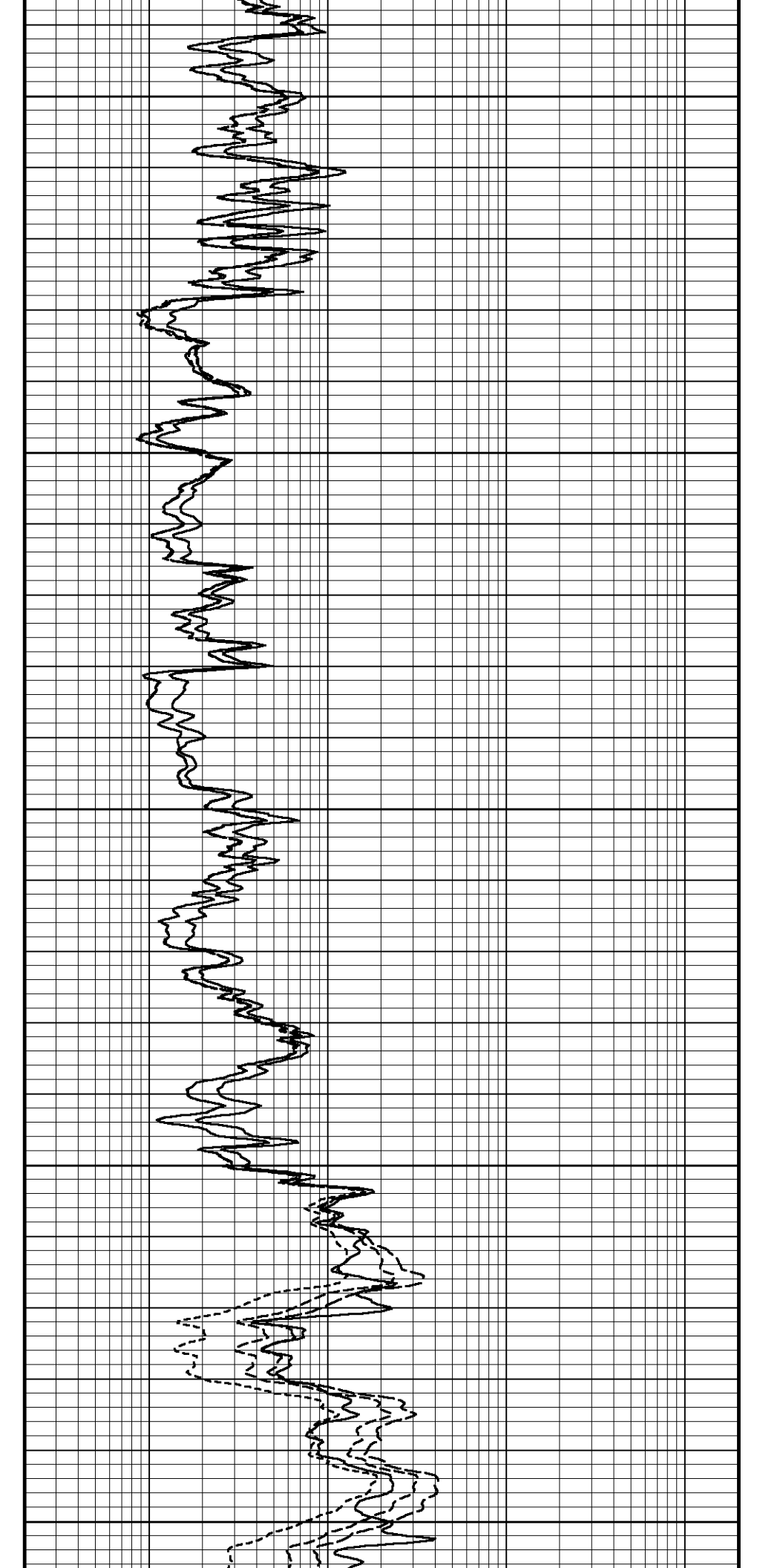
1850

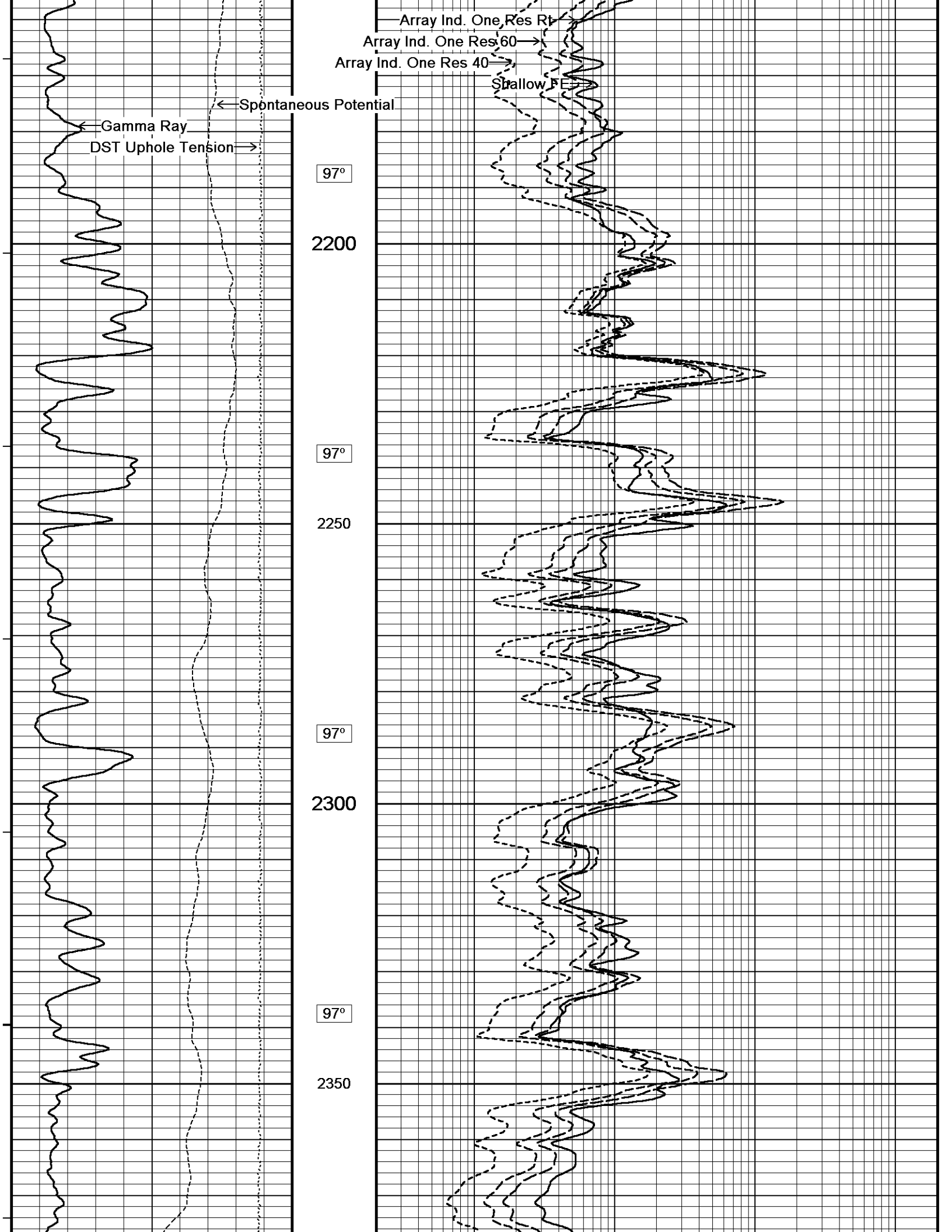
95°

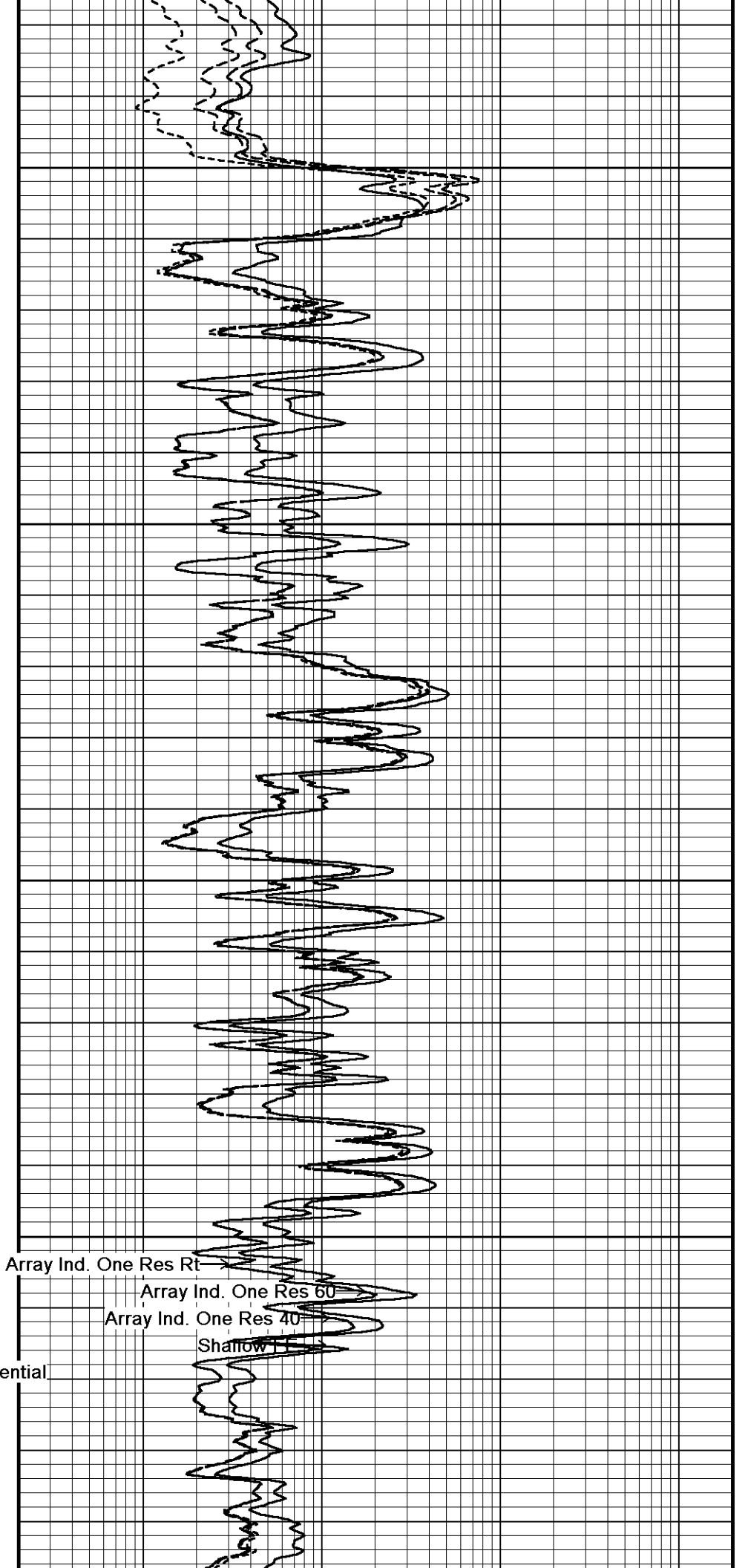
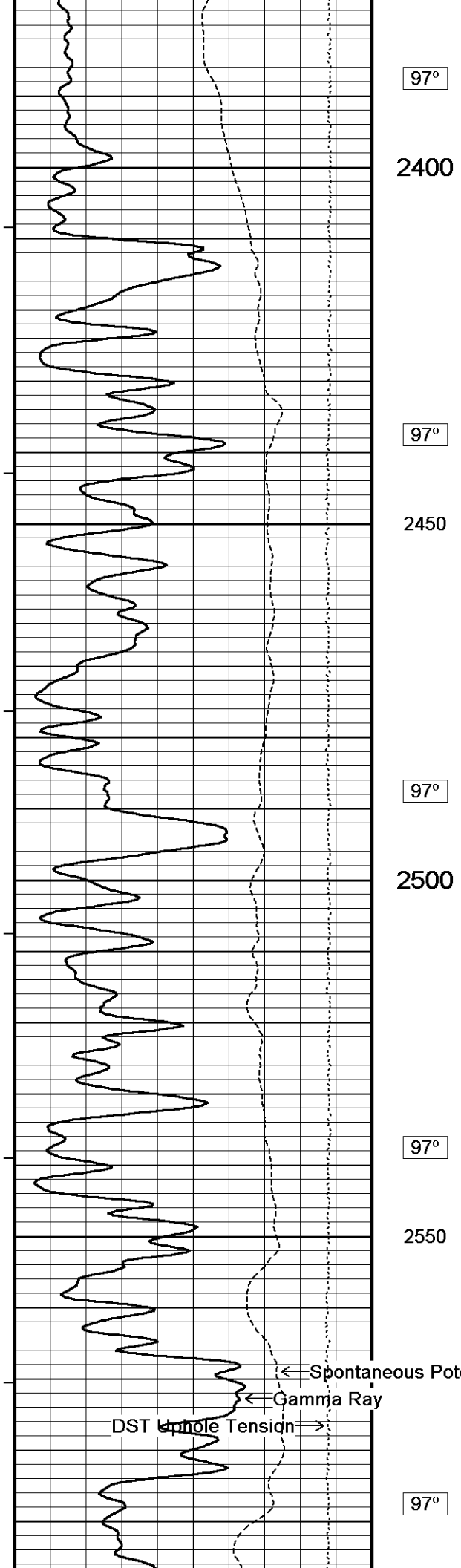
1900

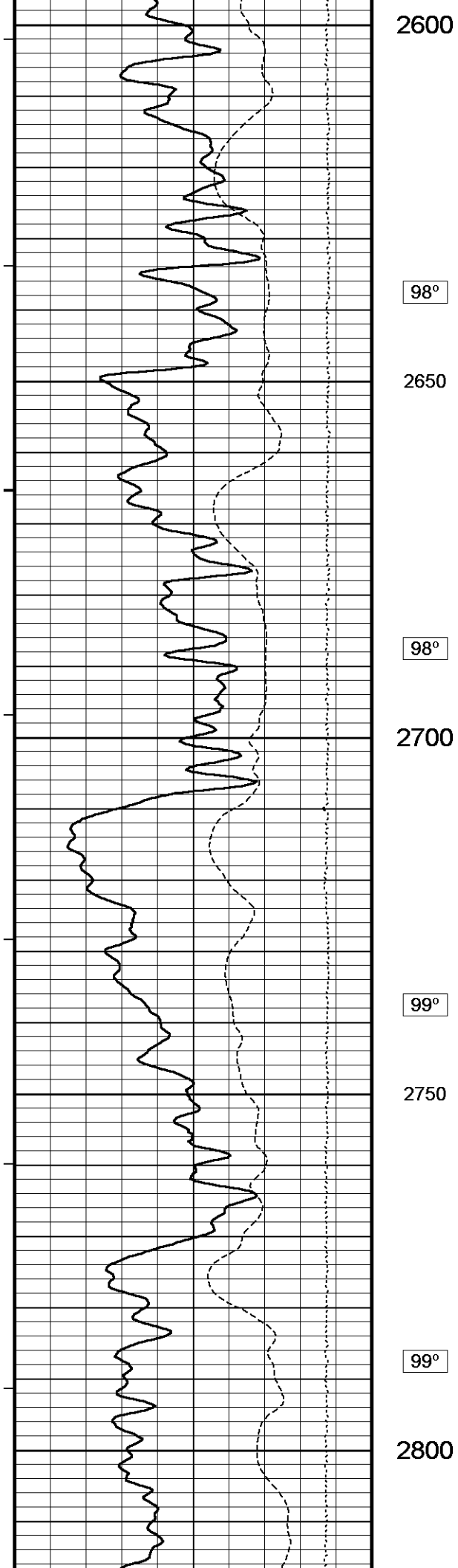


95°
1950
95°
2000
96°
2050
97°
2100
97°
2150









2600

98°

2650

98°

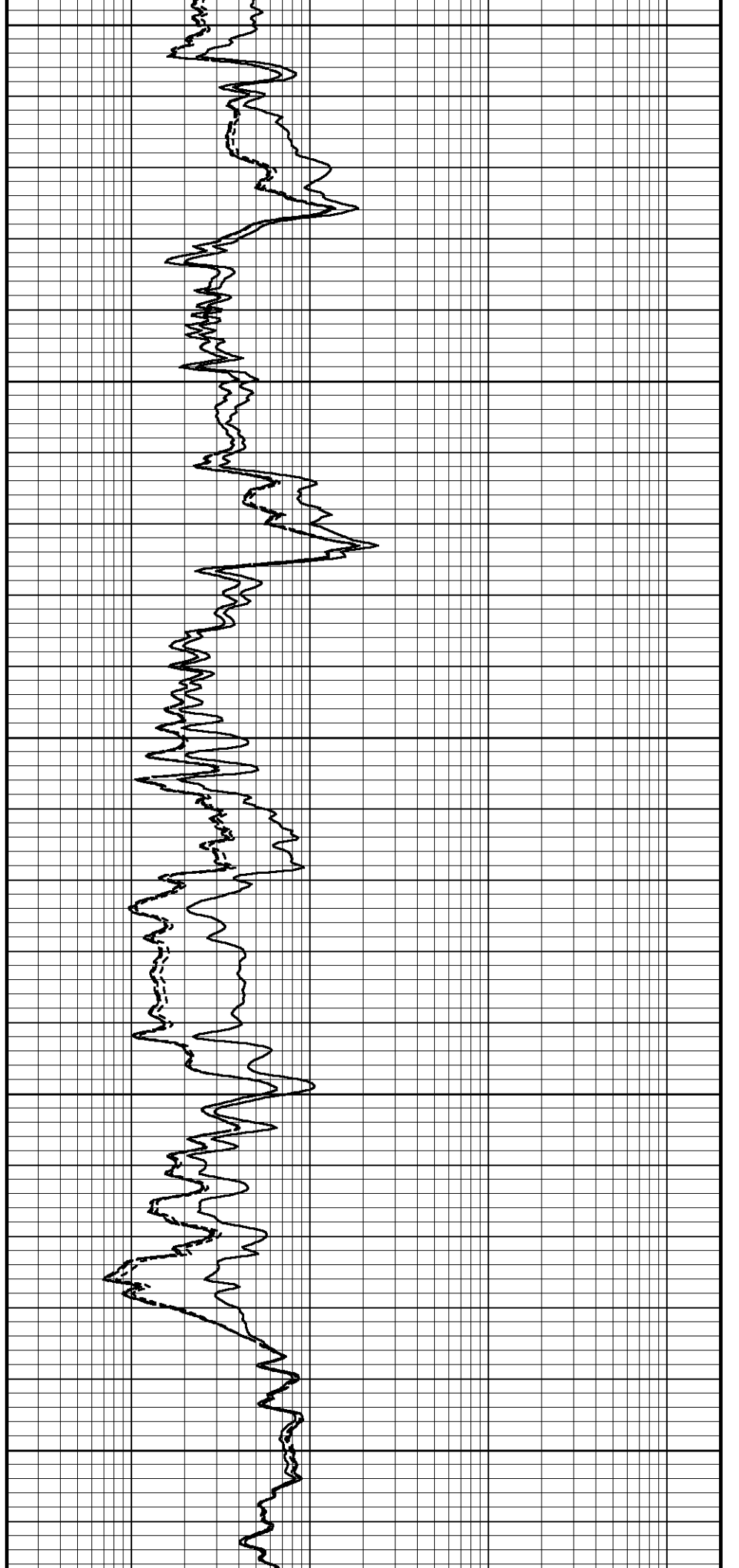
2700

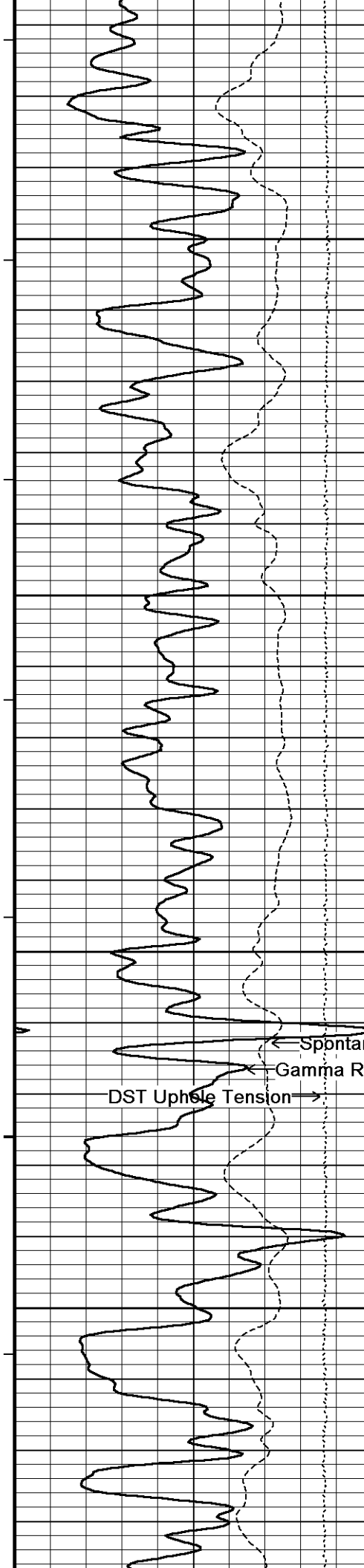
99°

2750

99°

2800





99°

2850

99°

2900

99°

Array Ind. One Res Rt
2950

Array Ind. One Res 60

Array Ind. One Res 40

Shallow FE

← Spontaneous Potential

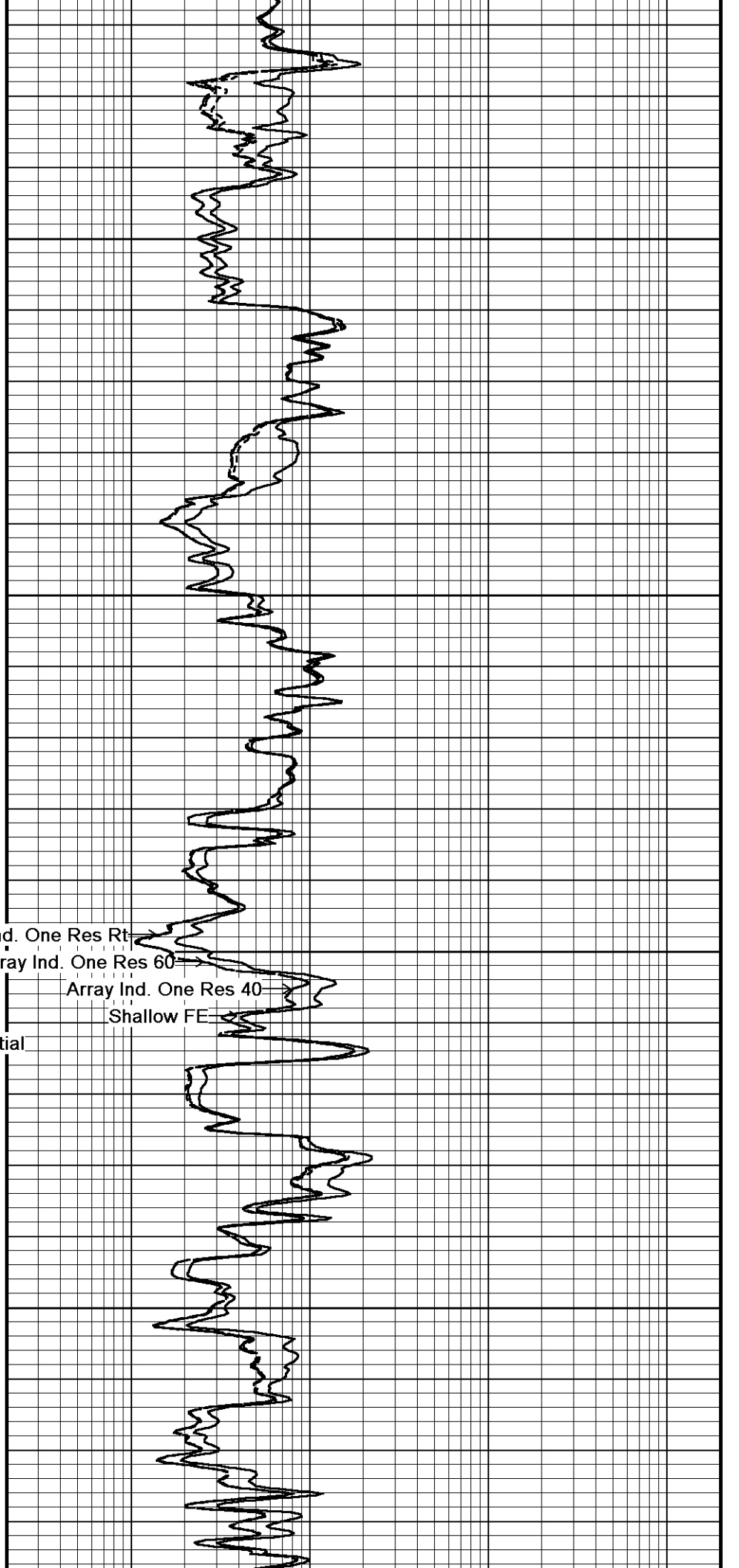
← Gamma Ray

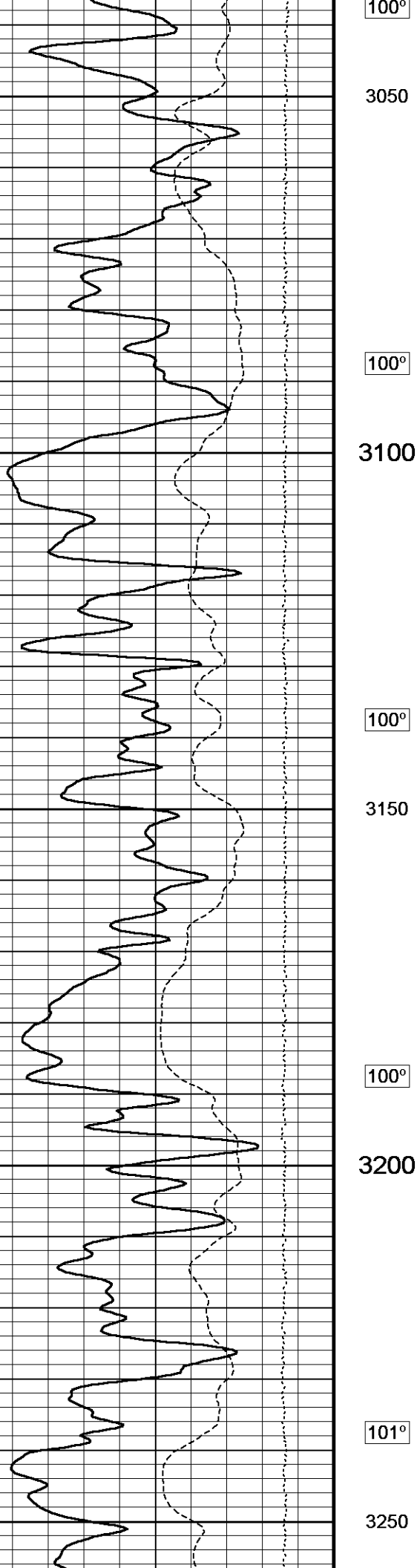
DST Uphole Tension →

99°

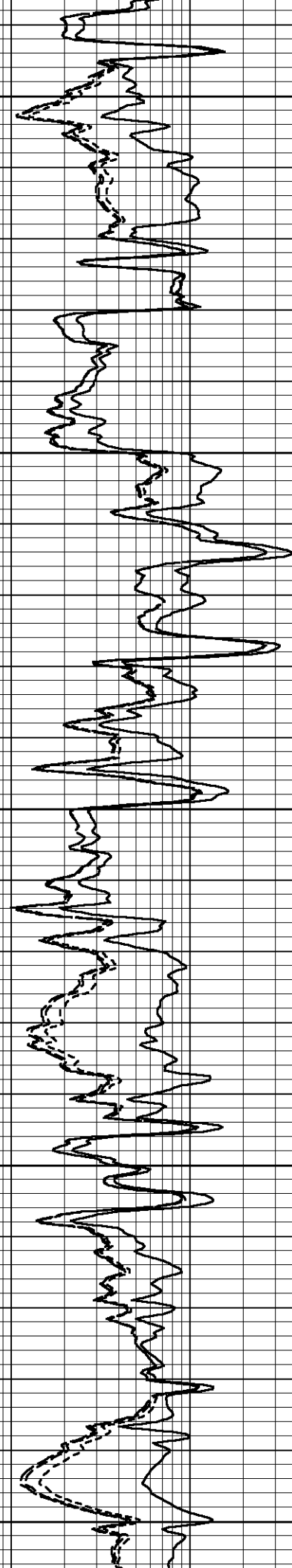
3000

99°

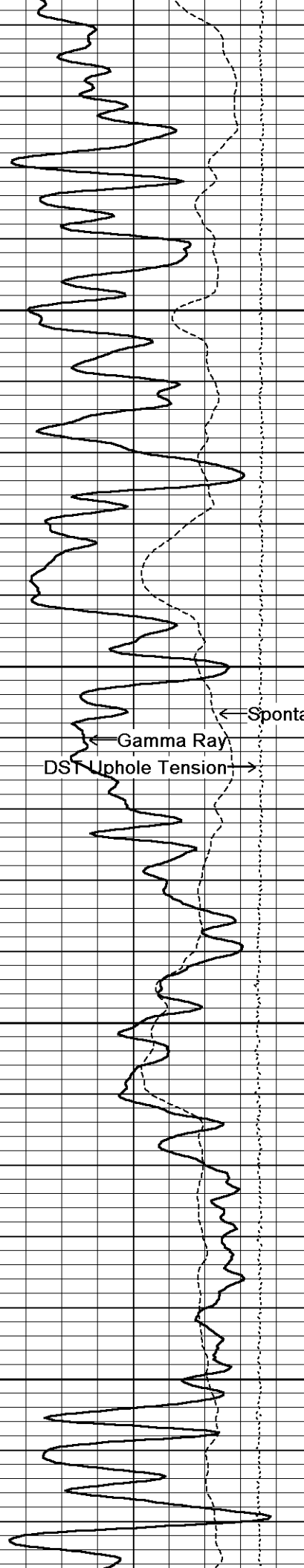




100°
3050
100°
3100
100°
3150
100°
3200
100°
3250



100°
3050
100°
3100
100°
3150
100°
3200
100°
3250



101°

3300

101°

Array Ind. One Res Rt

Array Ind. One Res 60

3350Y Ind. One Res 40

Shallow FL

← Spontaneous Potential

← Gamma Ray

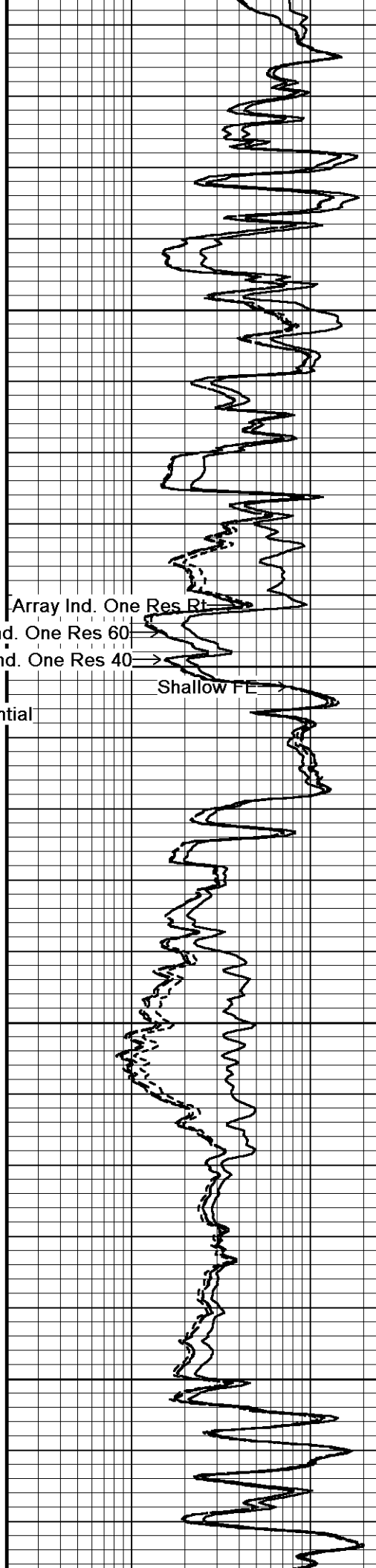
DST →

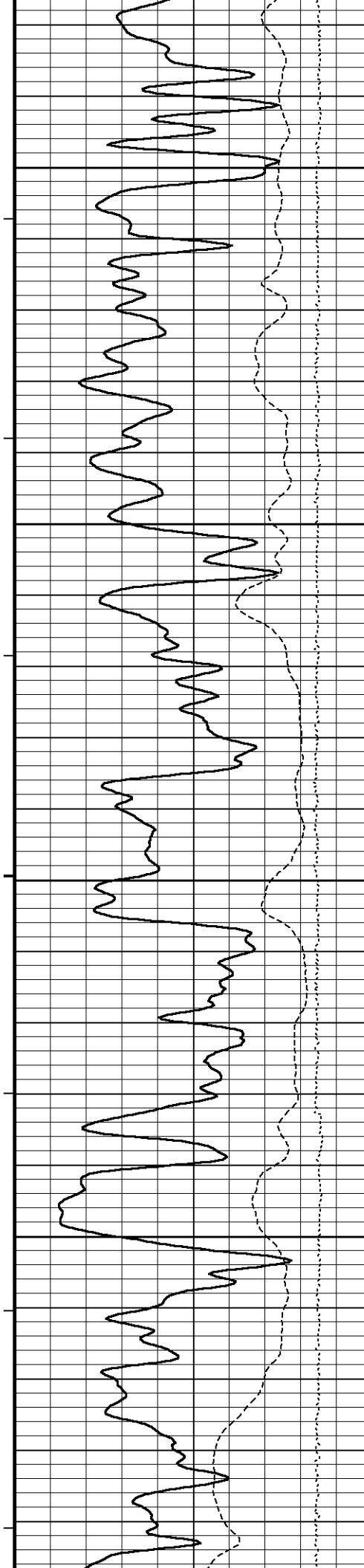
101°

3400

102°

3450





102°

3500

102°

3550

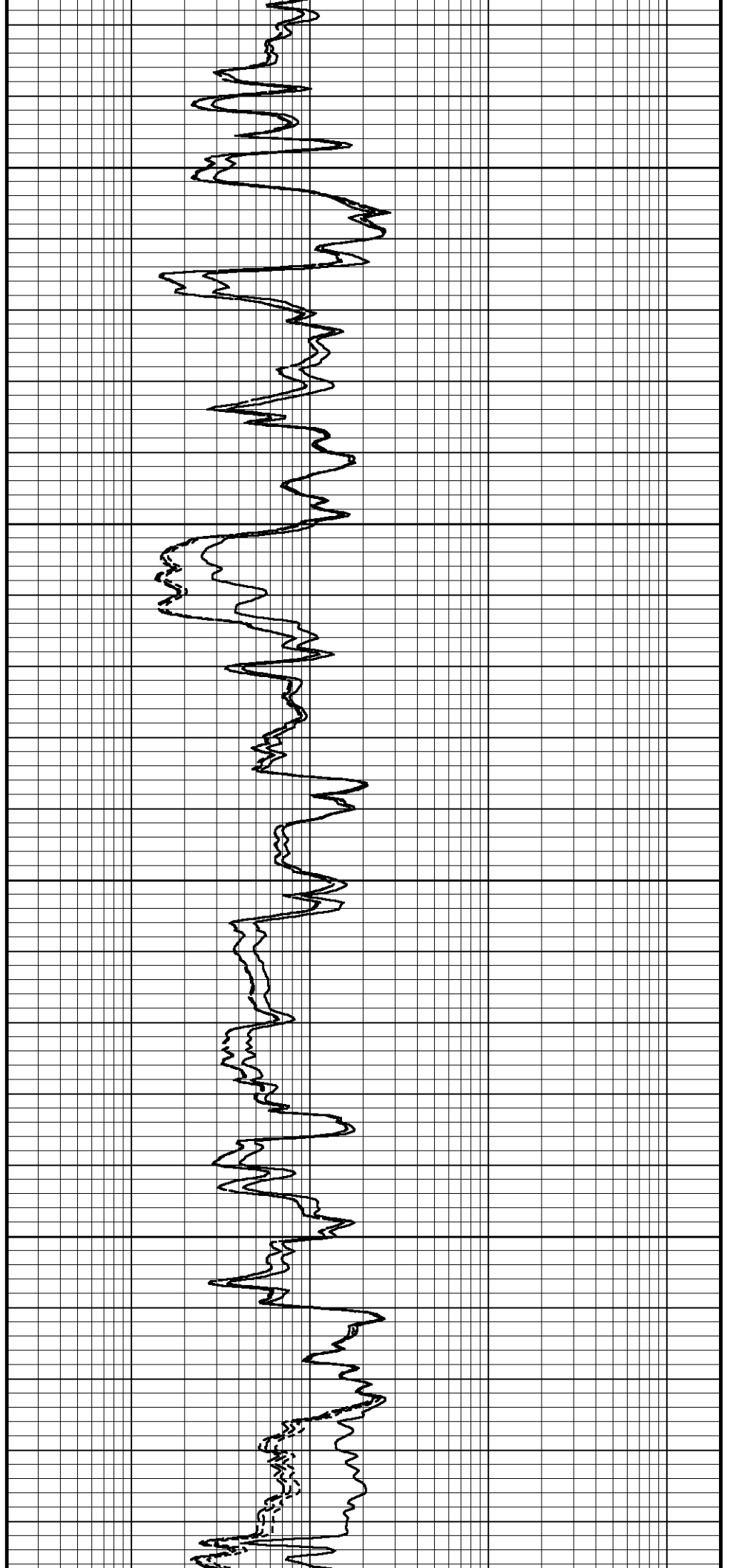
102°

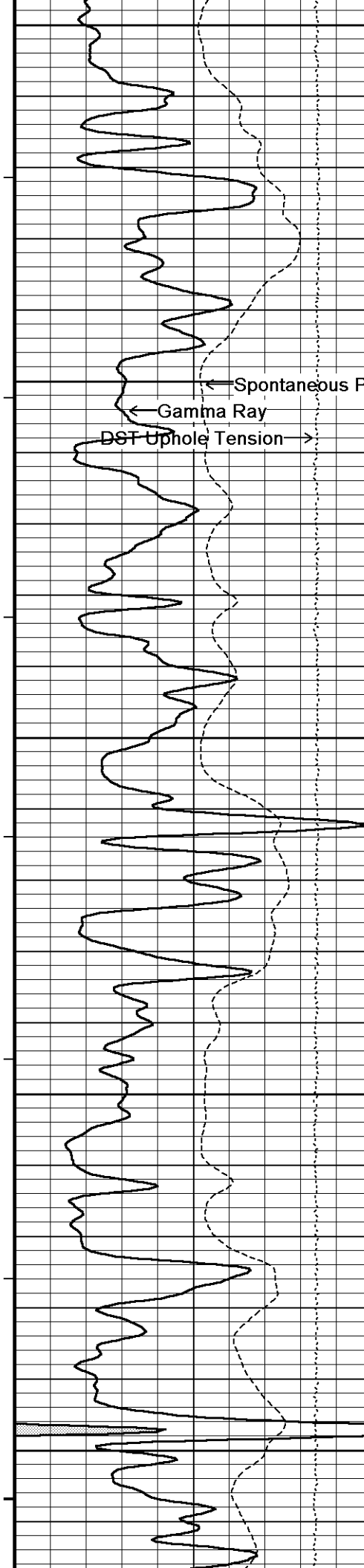
3600

103°

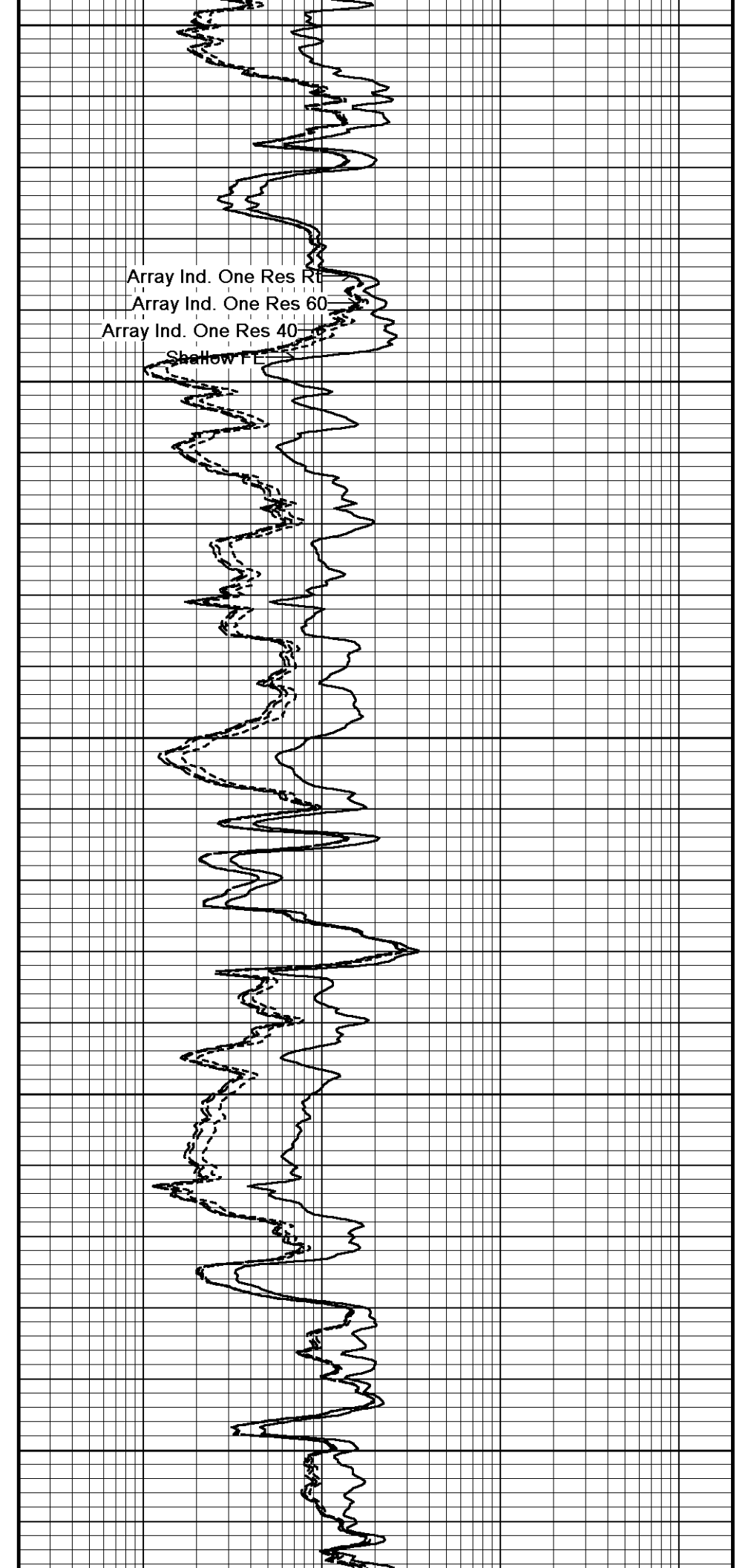
3650

103°

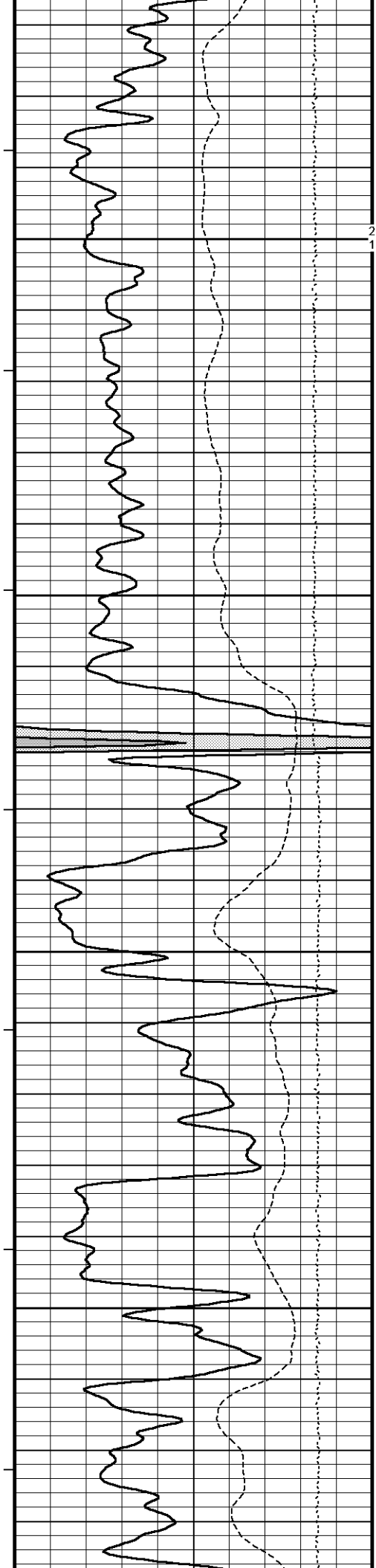




3700
103°
3750
103°
3800
104°
3850
104°
3900



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



104°

3950

104°

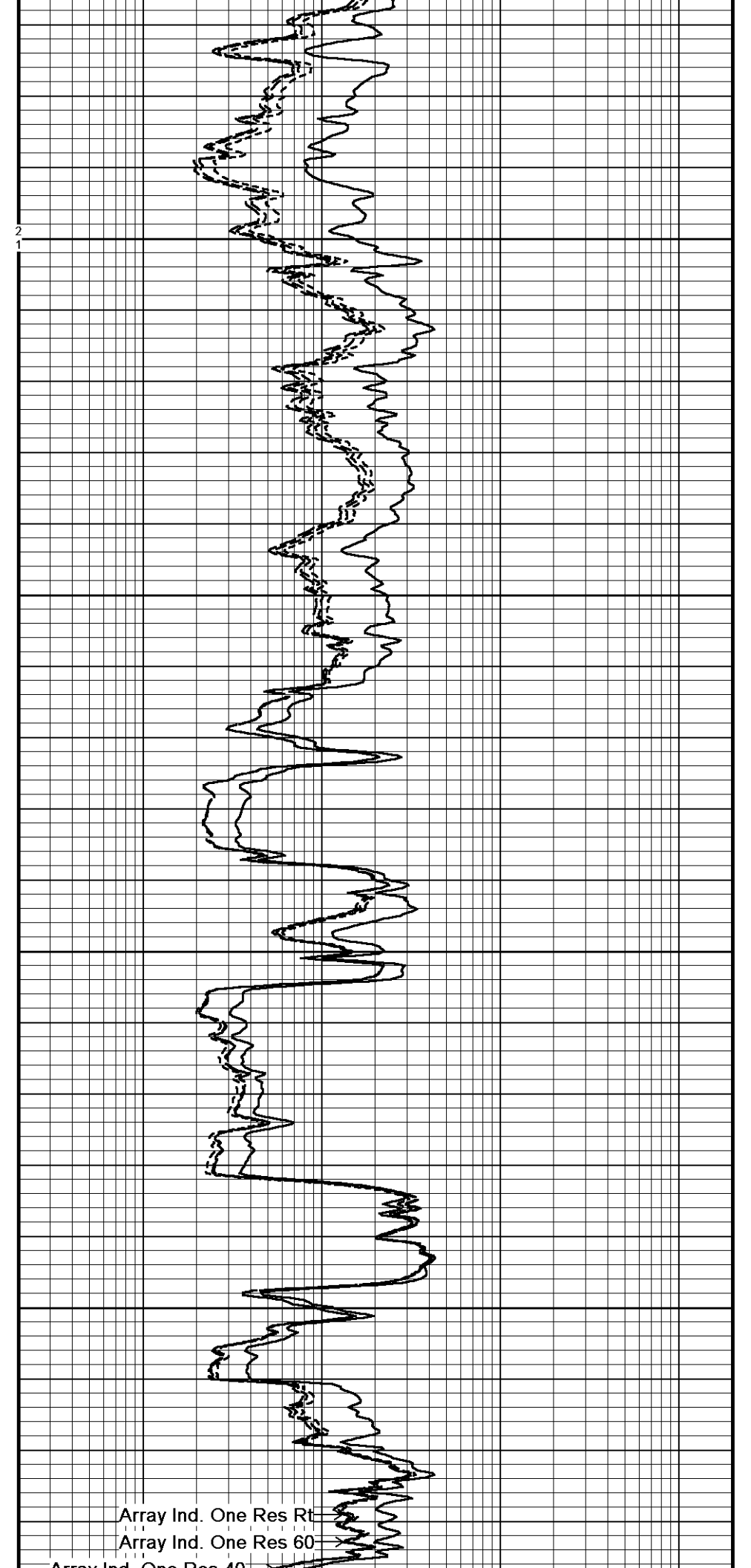
4000

104°

4050

104°

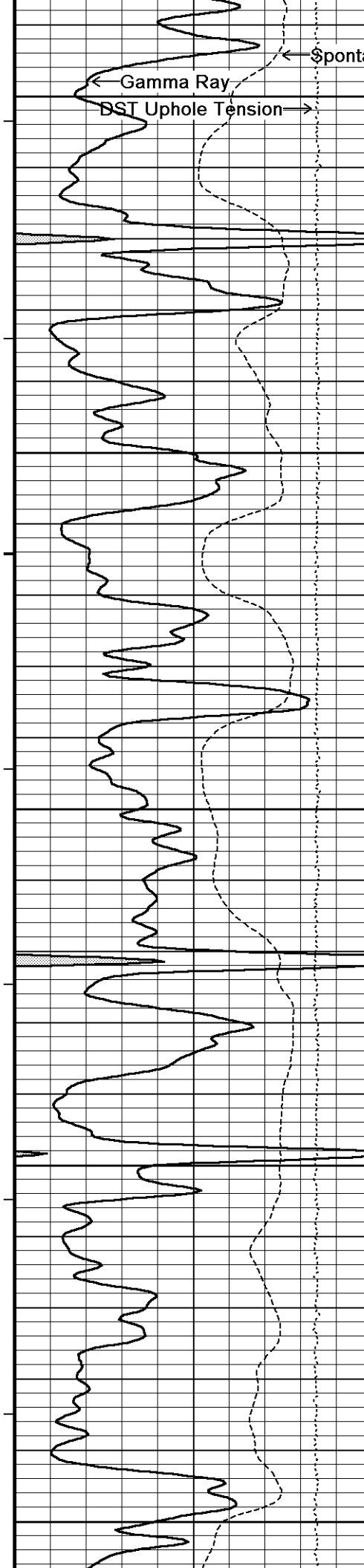
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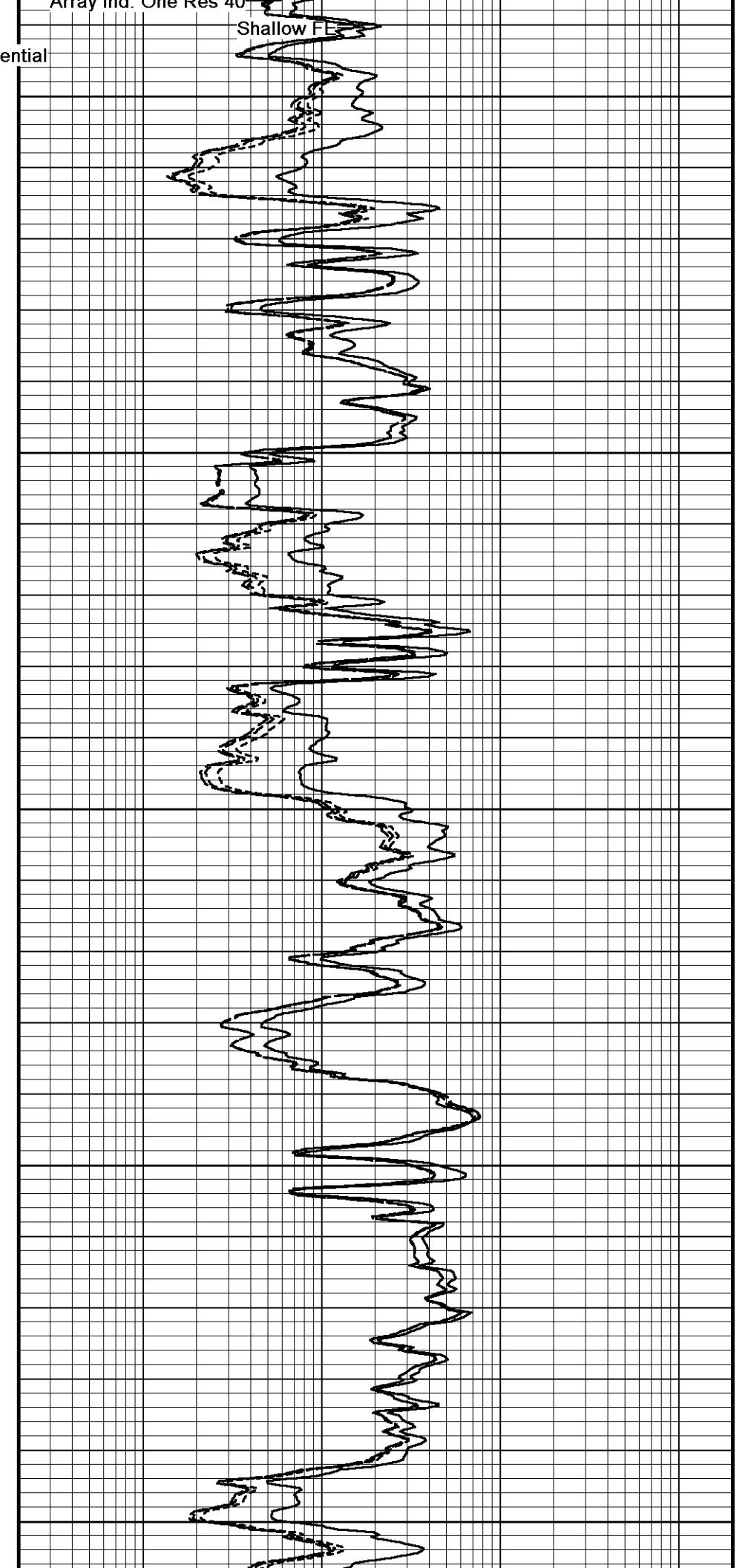
Array Ind. One Res RT

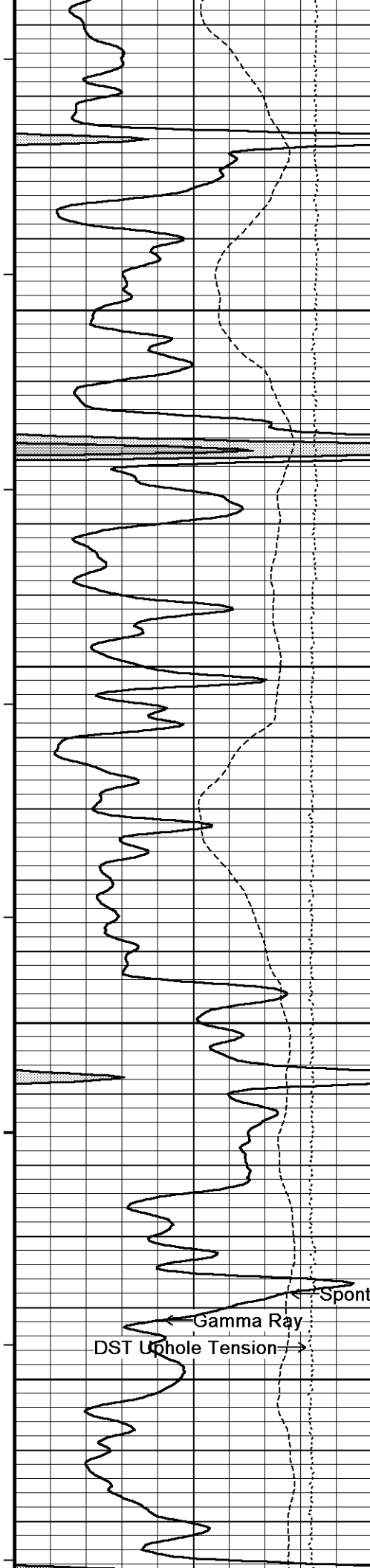
Array Ind. One Res 60

Array Ind. One Res 40



105°
4150
105°
4200
105°
4250
106°
4300
106°
4350





106°

4400

106°

4450

106°

4500

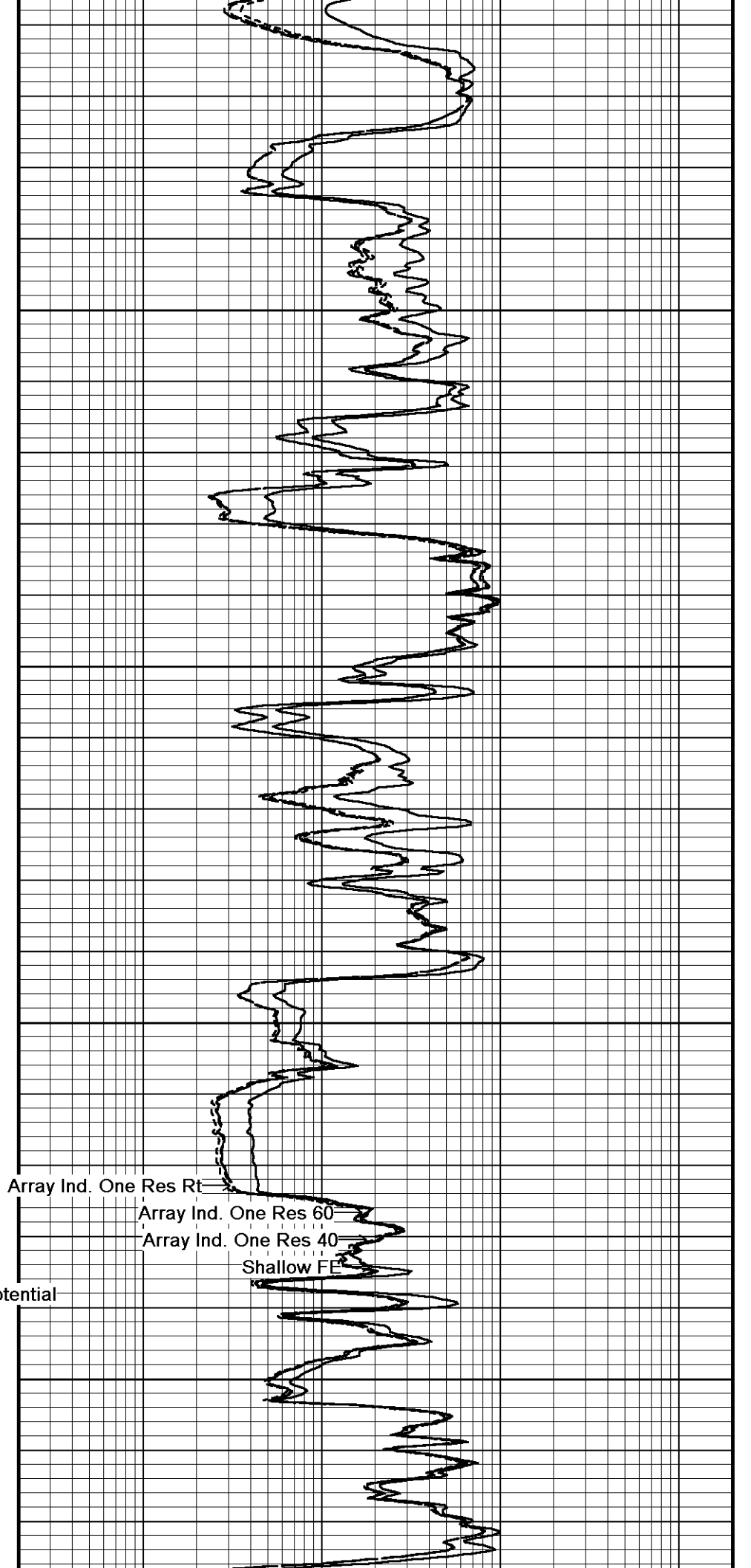
107°

4550

DST Uphole Tension →

← Gamma Ray

← Spontaneous Potential

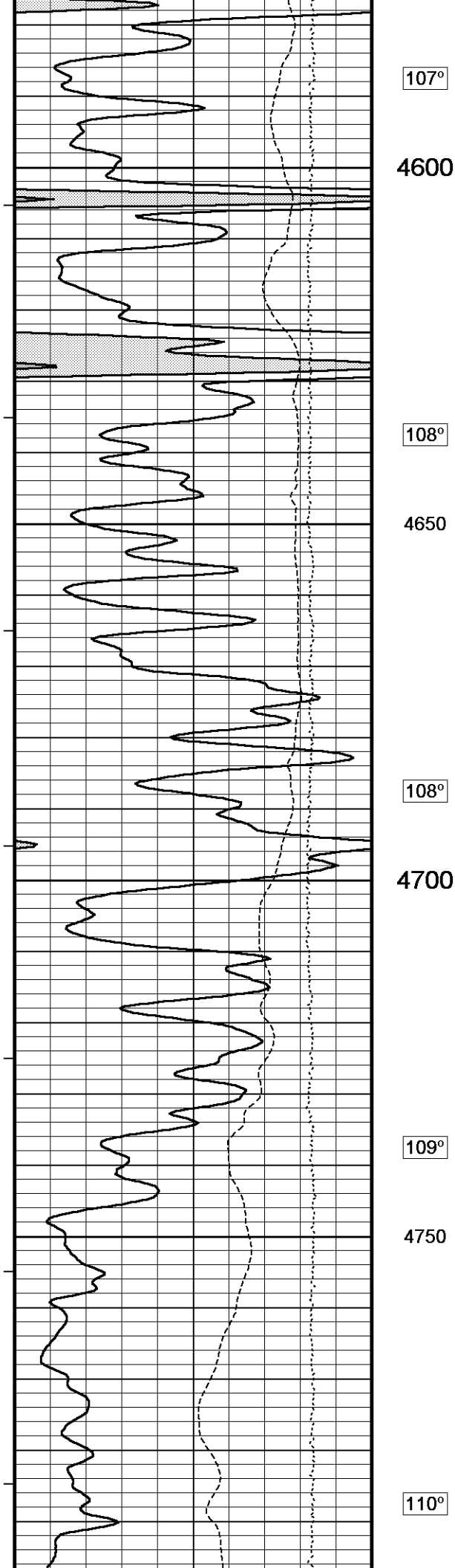


Array Ind. One Res Rt

Array Ind. One Res 60

Array Ind. One Res 40

Shallow FF



107°

4600

108°

4650

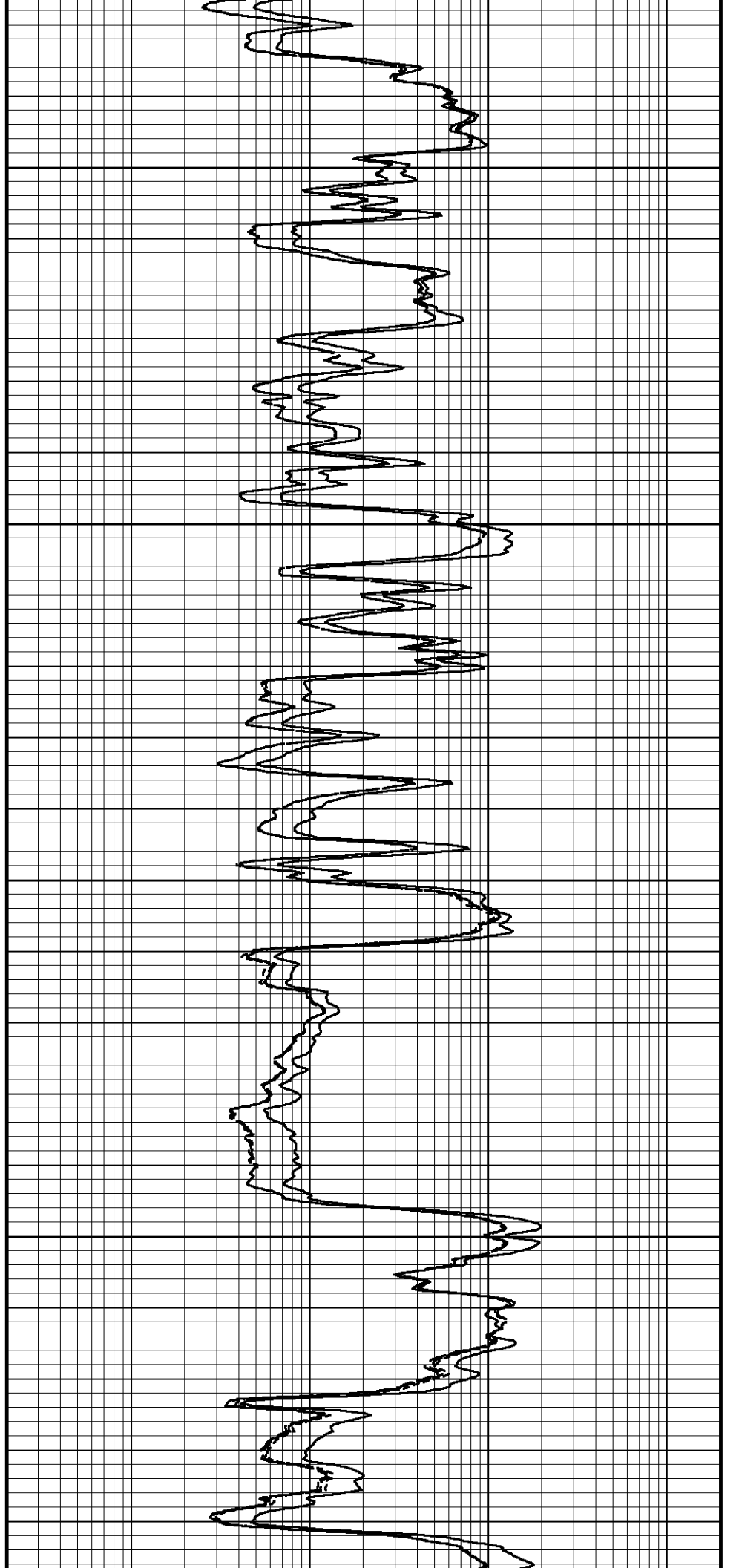
108°

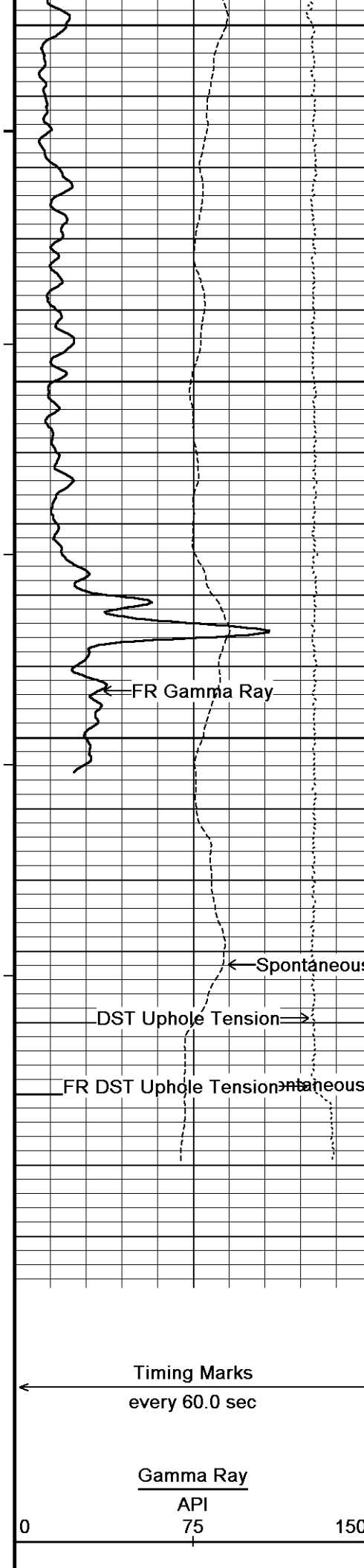
4700

109°

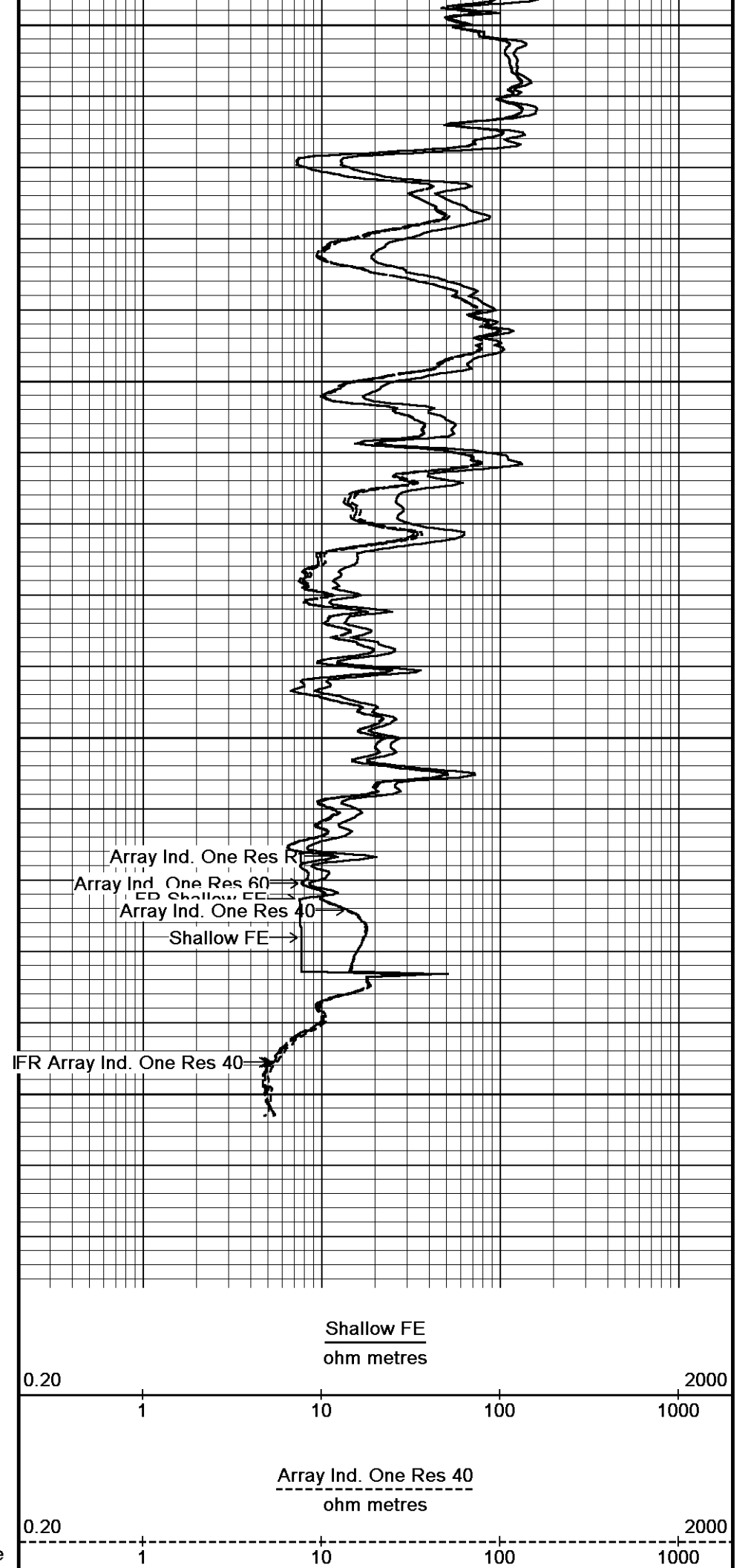
4750

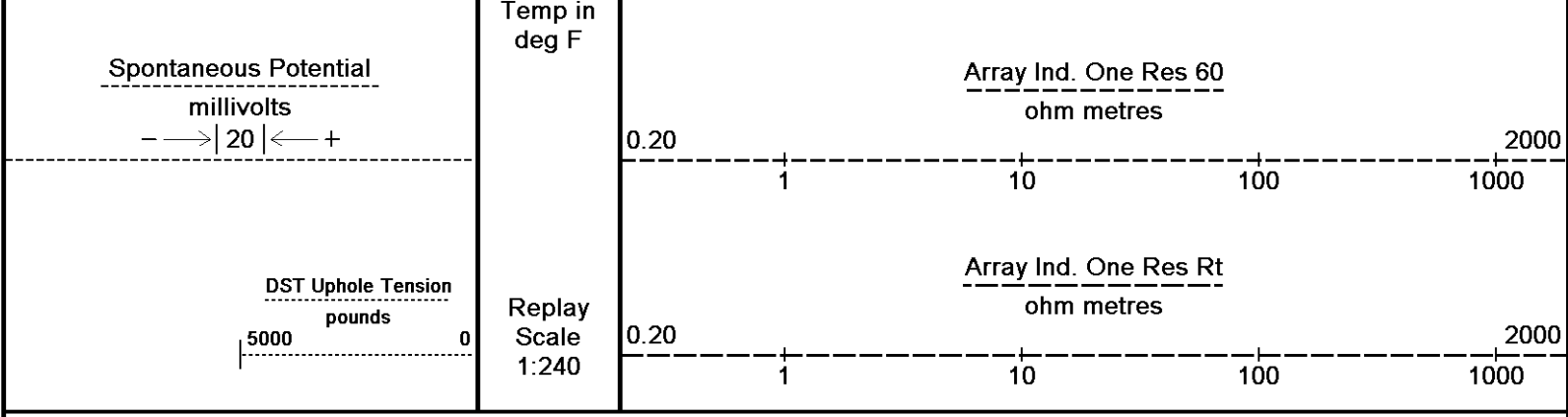
110°





4800
 110°
 4850
 110°
 4900
 Spontaneous Potential
 DST Uphole Tension
 FR DST Uphole Tension
 4950
 4974
 Depth in Feet
 Timing Marks every 60.0 sec
 Gamma Ray API
 0 75 150
 Borehole



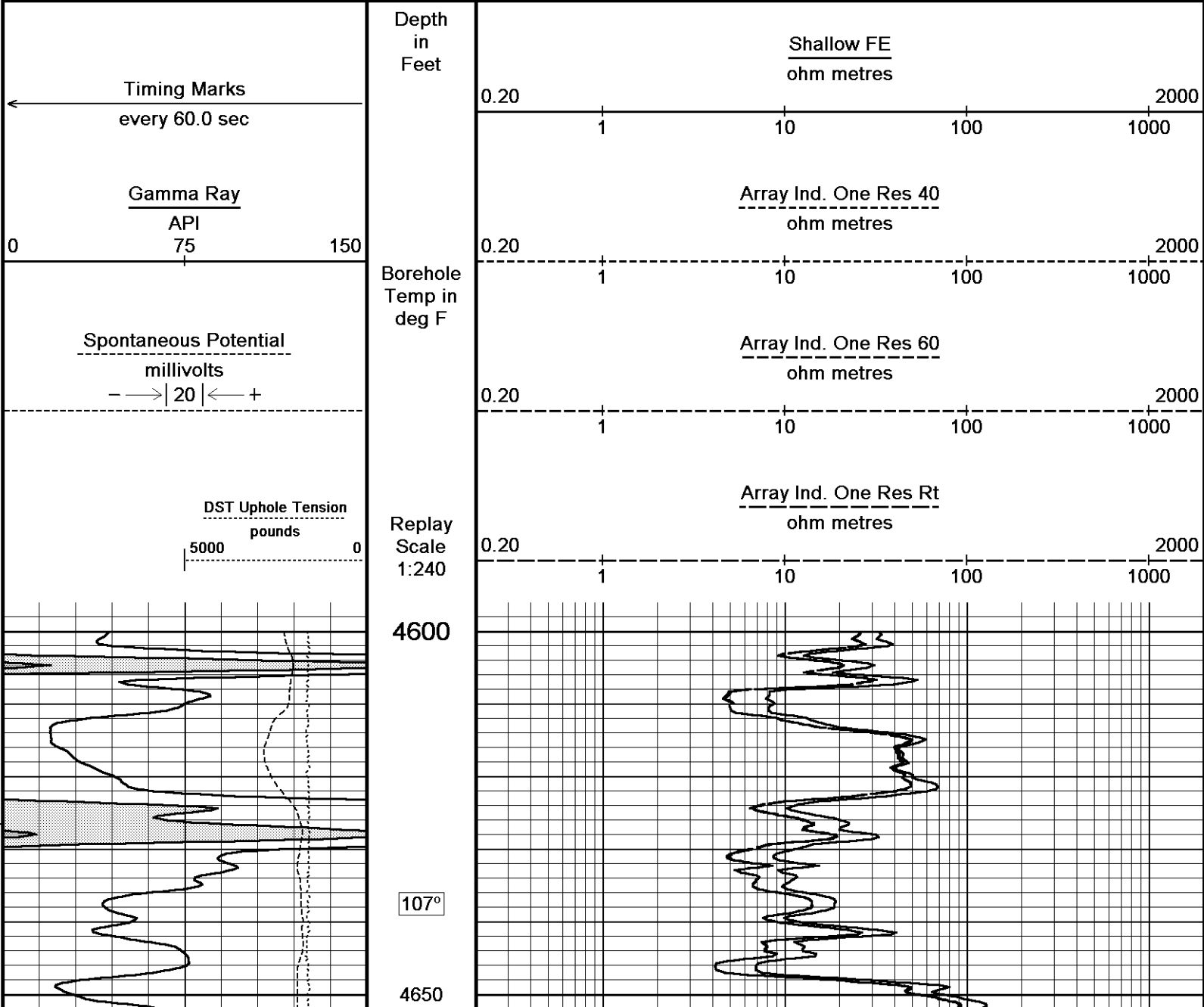


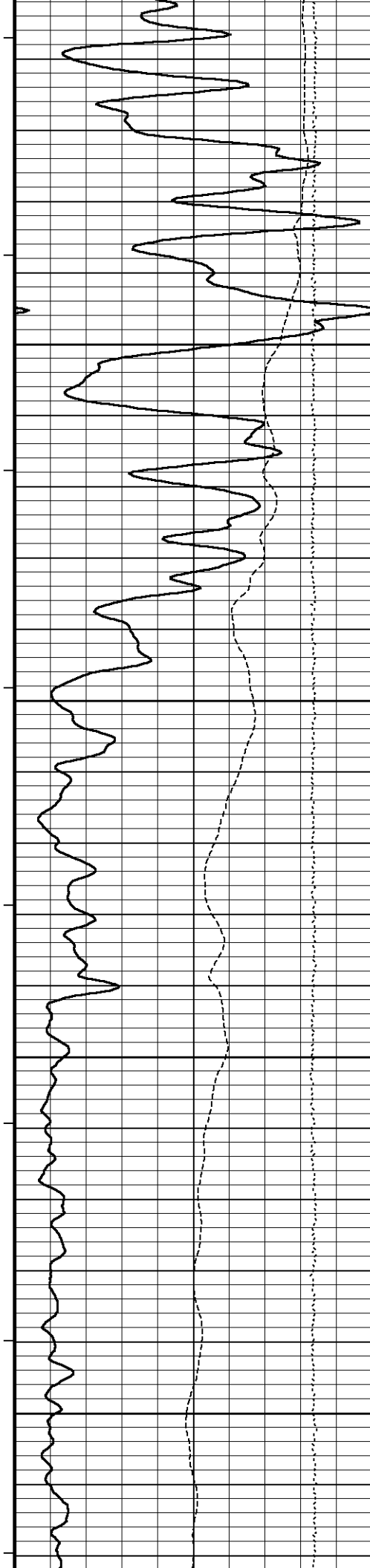
Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 08-SEP-2012 20:18
 Filename: C:\Minimus 13.02.6600\Data\Redland Gleason 35-4\Redland Gleason 35-4 Main.dta
 Recorded on 08-SEP-2012 17:09
 System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

↑ 5 INCH MAIN ↑

↓ REPEAT SECTION ↓

Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 08-SEP-2012 20:18
 Filename: C:\Minimus 13.02.6600\Data\Redland Gleason 35-4\Redland Gleason 35-4 Repeat.dta
 Recorded on 08-SEP-2012 16:40
 System Versions: Logged with 13.02.6600 Plotted with 13.02.6600





107°

4700

108°

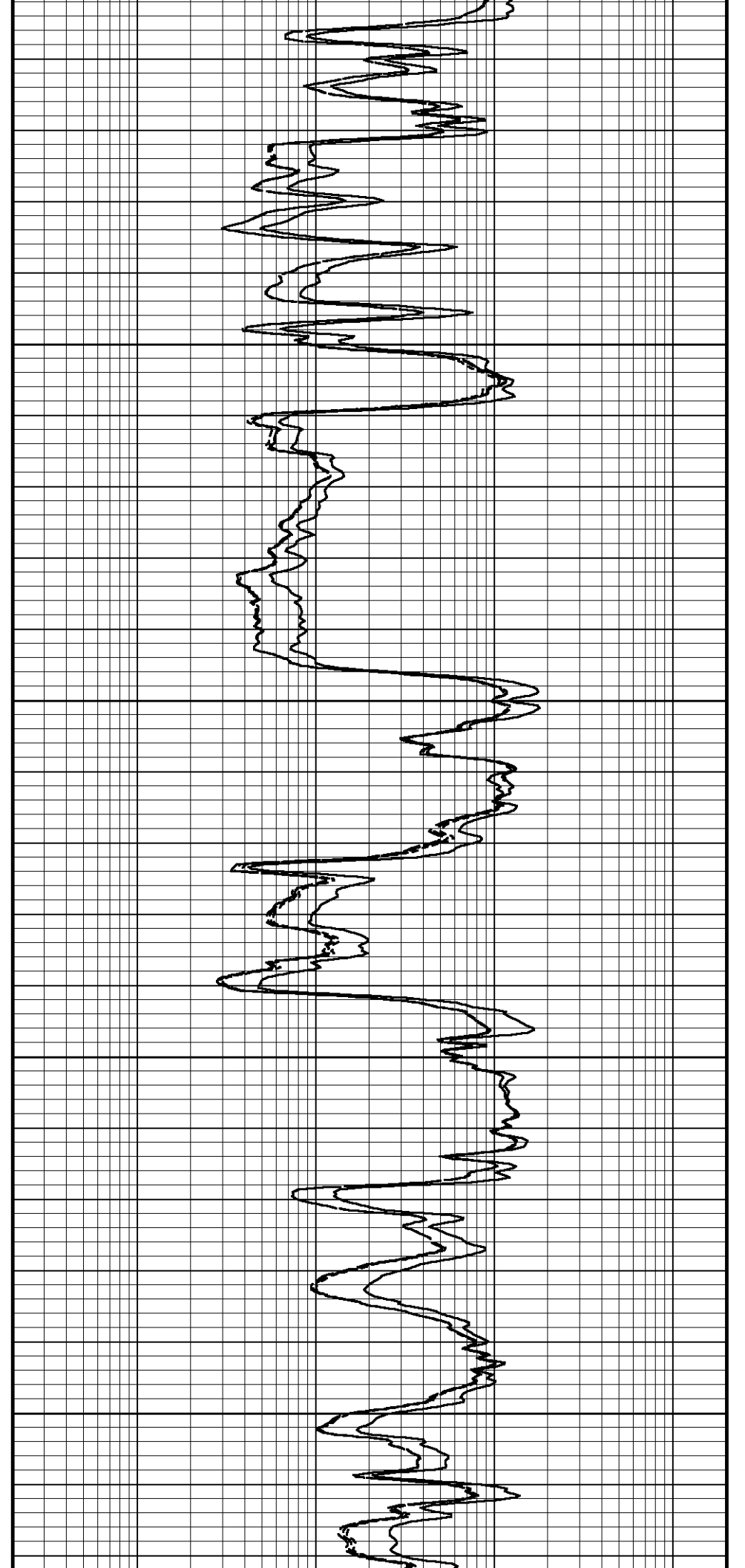
4750

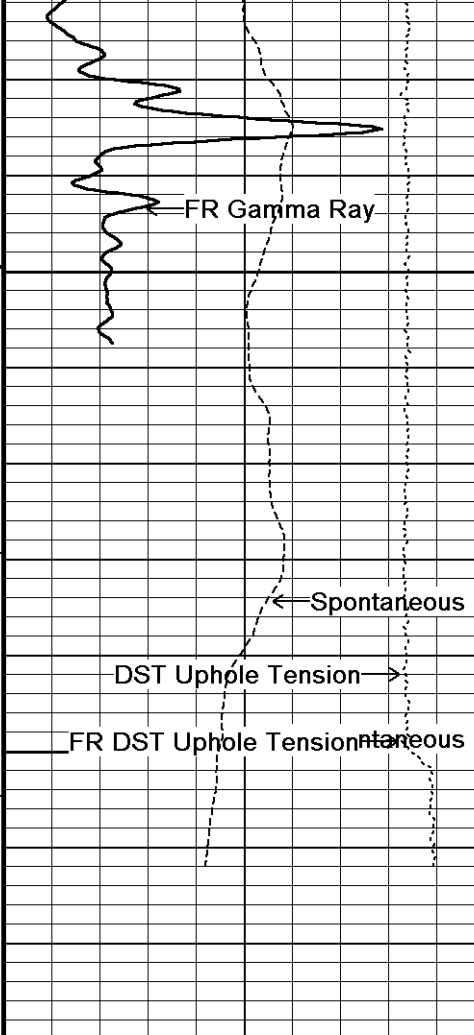
108°

4800

109°

4850





109°

4900

4950

4978

Depth in Feet

Timing Marks every 60.0 sec

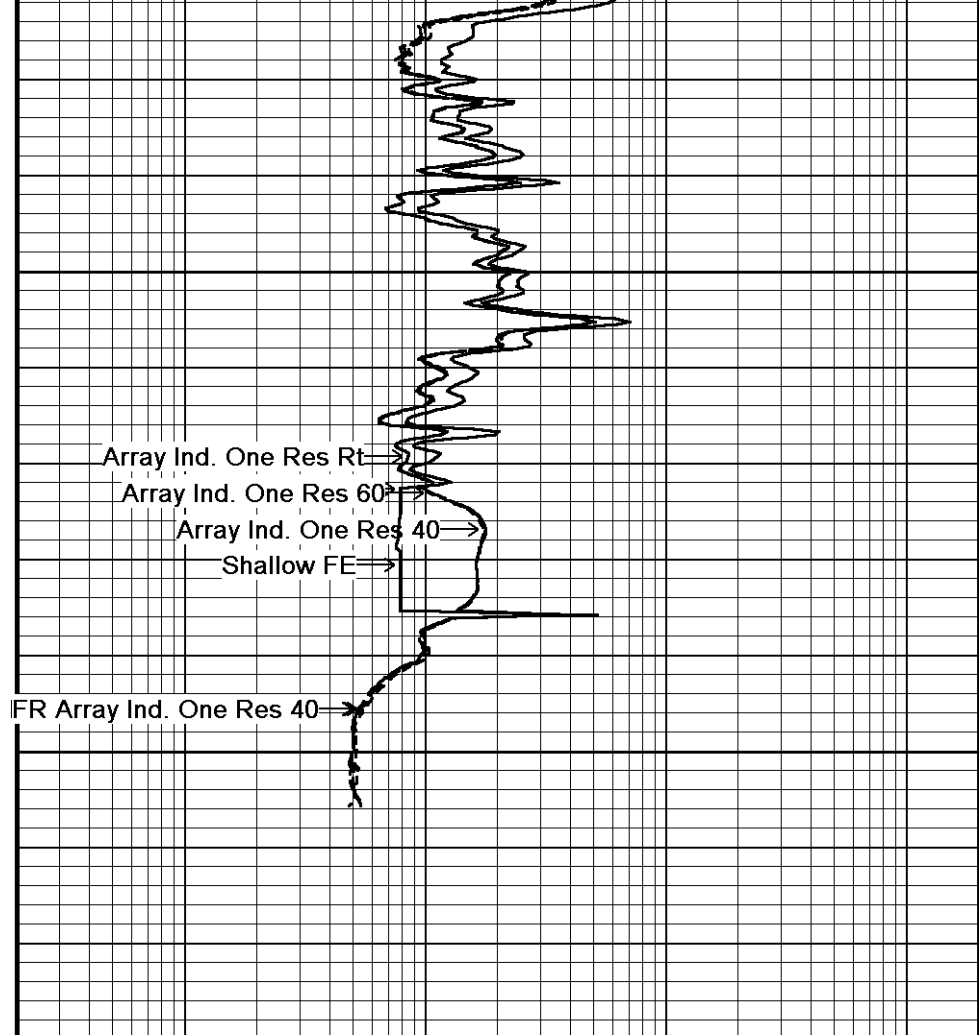
Gamma Ray API
0 75 150

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

DST Uphole Tension pounds
5000 0

Borehole Temp in deg F

Replay Scale 1:240



Shallow FE ohm metres
0.20 1 10 100 1000 2000

Array Ind. One Res 40 ohm metres
0.20 1 10 100 1000 2000

Array Ind. One Res 60 ohm metres
0.20 1 10 100 1000 2000

Array Ind. One Res Rt ohm metres
0.20 1 10 100 1000 2000

Depth Based Data - Maximum Sampling Increment 10.0cm
 Filename: C:\Minimus 13.02.6600\Data\Redland Gleason 35-4\Redland Gleason 35-4 Repeat.dta
 System Versions: Logged with 13.02.6600 Plotted with 13.02.6600
 Plotted on 08-SEP-2012 20:18
 Recorded on 08-SEP-2012 16:40

↑ REPEAT SECTION ↑

BEFORE SURVEY CALIBRATION
 C:\Minimus 13.02.6600\Data\Redland Gleason 35-4\Redland Gleason 35-4 Main.dta

General Constants All 000		Last Edited on 08-SEP-2012,16:15	
General Parameters			
Mud Resistivity	0.920	ohm-metres	
Mud Resistivity Temperature	75.000	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	4.500	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 08-SEP-2012 15:56	
Reading No	Measured	Calibrated (lbs)	
1	15497.08	0.00	
2	16038.86	472.00	

Gamma Calibration MCG-D.K 442		Field Calibration on 07-SEP-2012 14:57	
	Measured	Calibrated (API)	
Background	67	45	
Calibrator (Gross)	1141	770	
Calibrator (Net)	1074	725	

Gamma Constants MCG-D.K 442		Last Edited on 08-SEP-2012,14:46	
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	100.2	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 16		Base Calibration on 07-SEP-2012 10:01 Field Calibration on 07-SEP-2012 10:04	
Base Calibration			
Reading No	Measured	Calibrator Size (in)	
1	13823	5.98	
2	16876	7.97	
3	20058	9.86	
4	23883	11.92	
5	0	0.00	
6	N/A	N/A	
Field Calibration			
	Measured Caliper (in)	Actual Caliper (in)	
	6.00	5.98	

Micro Normal and Micro Inverse Calibration MML-A 16

Base Calibration on 07-SEP-2012 10:10
Field Check on 07-SEP-2012 10:12

Base Calibration

Channel	Resistor 1	Measured		Calibrated (ohm-m)	
		Resistor 2	Resistor 1	Resistor 2	Resistor 1
Micro Normal	12.1	60.2	5.0	25.0	
Micro Inverse	15.6	78.3	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 16

Last Edited on 07-SEP-2012,10:07

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 07-SEP-2012 14:38
Field Check on 07-SEP-2012 14:53

Base Calibration

Ratio	Near	Measured		Calibrated (cps)	
		Far	Near	Far	
	3154	98	3714	110	
Ratio	32.161		33.764		
Field Calibrator at Base			Calibrated (cps)		
Ratio			1643	2350	
			0.699		
Field Check			Calibrated (cps)		
Ratio			1633	2371	
			0.689		

Neutron Constants MDN-A.B 66

Last Edited on 08-SEP-2012,14:45

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		
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 27-AUG-2012 09:28
Field Check on 07-SEP-2012 15:58

Base Calibration

Reference	Measured		Calibrated (ohm-m)	
	Reference 1	Reference 2	Reference 1	Reference 2
	0.0	964.3	0.0	126.8
Base Check			281.0	
Field Check			281.0	

FE Constants MFE-B.J 353

Last Edited on 08-SEP-2012,14:44

Running Mode	No Sleeve		
MFE K Factor	0.1268		
Caliper Source for FE correction	Density Caliper		

Caliper Value for FE correction N/A
 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 08-SEP-2012,14:44

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 Sonic
 Correction for Sonde Skew Applied
 Cycle Stretch Algorithm Applied
 MN3FT N/A micro-sec
 MX3FT N/A micro-sec
 Hunt-Raymer Constant 83.13 micro-sec/ft

Sonde Mode Compensated
 Hole Type Open Hole

Sonde Parameters

	Measured	Calibrated
Offset	N/A	0.0000
Free Pipe	N/A	N/A
Peak Amplitude Source		N/A

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)	N/A	
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A

Full Waveform Parameters

Use 3' Waveform to derive TR N/A
 Use 4' Waveform to derive TR N/A
 Use 5' Waveform to derive TR N/A
 Use 6' Waveform to derive TR N/A
 3' Waveform Discriminator Level N/A mV
 4' Waveform Discriminator Level N/A mV
 5' Waveform Discriminator Level N/A mV
 6' Waveform Discriminator Level N/A mV
 3' Waveform Filter N/A
 4' Waveform Filter N/A
 5' Waveform Filter N/A
 6' Waveform Filter N/A
 Semblance Level N/A
 Semblance Window Width N/A micro-sec
 Sonic 1 Despiker N/A N/A
 Sonic 2 Despiker N/A N/A

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

Induction Calibration MAI-A.A 167

Base Calibration on 17-JUL-2012,13:55

Field Check on 07-SEP-2012 15:57

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

Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1	0.0	0.0	13.1	3839.7
2	0.0	0.0	29.6	3477.5
3	0.0	0.0	29.2	3053.5
4	0.0	0.0	19.8	2082.1
Deep	0.0	0.0	18.6	2049.4
Medium	0.0	0.0	42.3	3991.8
Shallow	0.0	0.0	43.0	5054.8

Array Temperature 0.0 73.8 Deg F

Induction Constants MAI-A.A 167

Last Edited on 08-SEP-2012,14:44

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 07-SEP-2012 15:19

Field Calibration on 07-SEP-2012 15:20

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	12187	3.99
2	20022	5.08

2	20955	5.98
3	29363	7.97
4	37866	9.86
5	47152	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 07-SEP-2012 15:36
Field Check on 07-SEP-2012 15:42

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	63262	35109	59556	30836
Reference 2	26458	3017	24941	2541

Field Check at Base	1187.6	1377.3
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Field Check	1181.3	1375.9
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PE Calibration

Base Calibration	Measured			Calibrated
	WS	WH	Ratio	Ratio
Background	215	1060		
Reference 1	23956	63052	0.383	0.371
Reference 2	7220	26320	0.277	0.272

Field Check at Base	215.3	1059.6
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Field Check	212.1	1051.7
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Density Constants MPD-B 64

Last Edited on 08-SEP-2012,14:45

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

DOWNHOLE EQUIPMENT

C:\Minimus 13.02.6600\Data\Redland Gleason 35-4\Redland Gleason 35-4 Main.dta

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



Redford

ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG

REDLAND RESOURCES, INC.
GLEASON 35-4
WILDCAT
HODGEMAN
U.S.A. / KANSAS
1064' FWL & 1243' FWL NW/4
SE NW NW

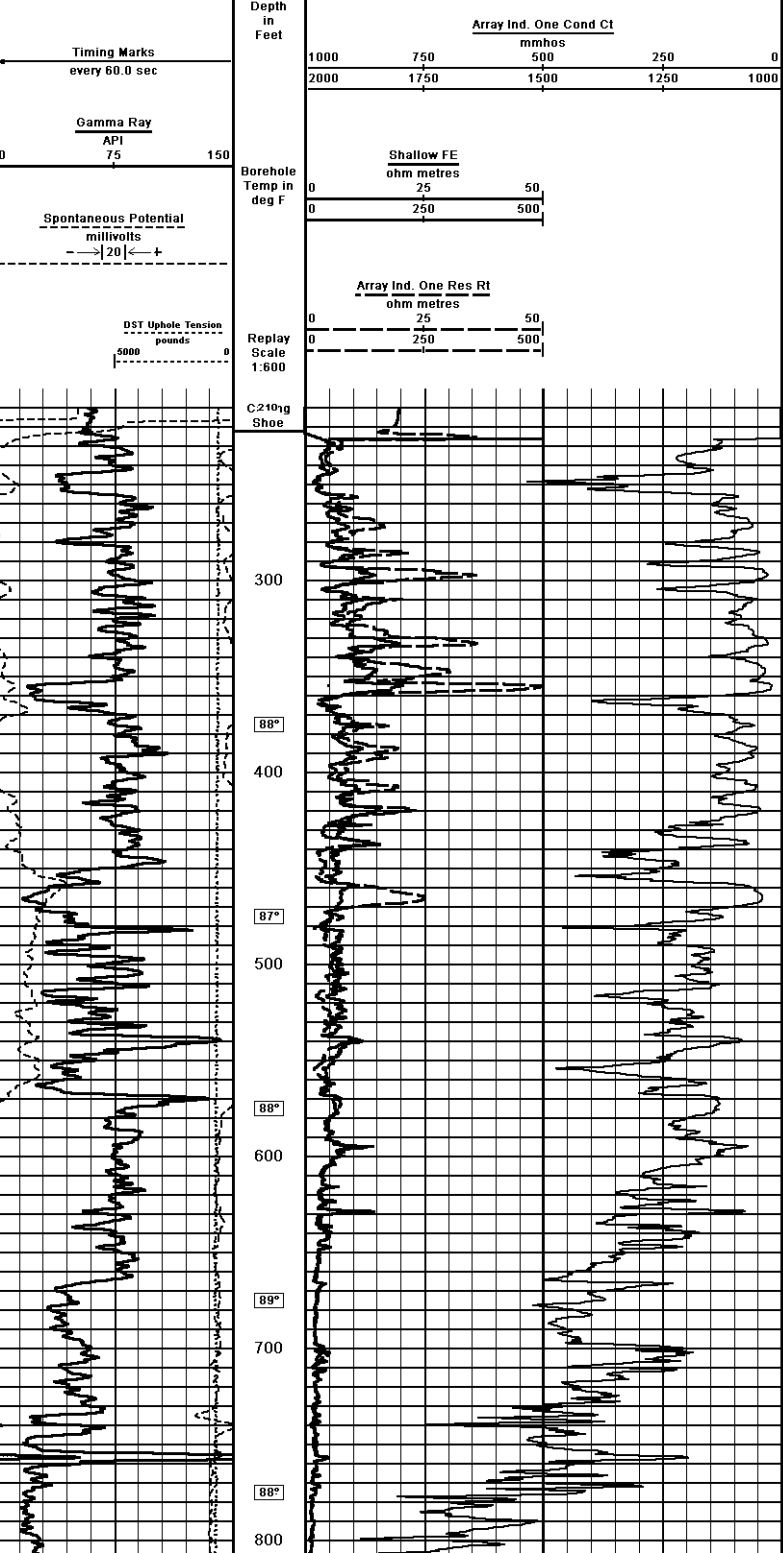
Other Services
TSE
23W
MWD/MCN
MMS
Elevation 2516 feet
m K/E

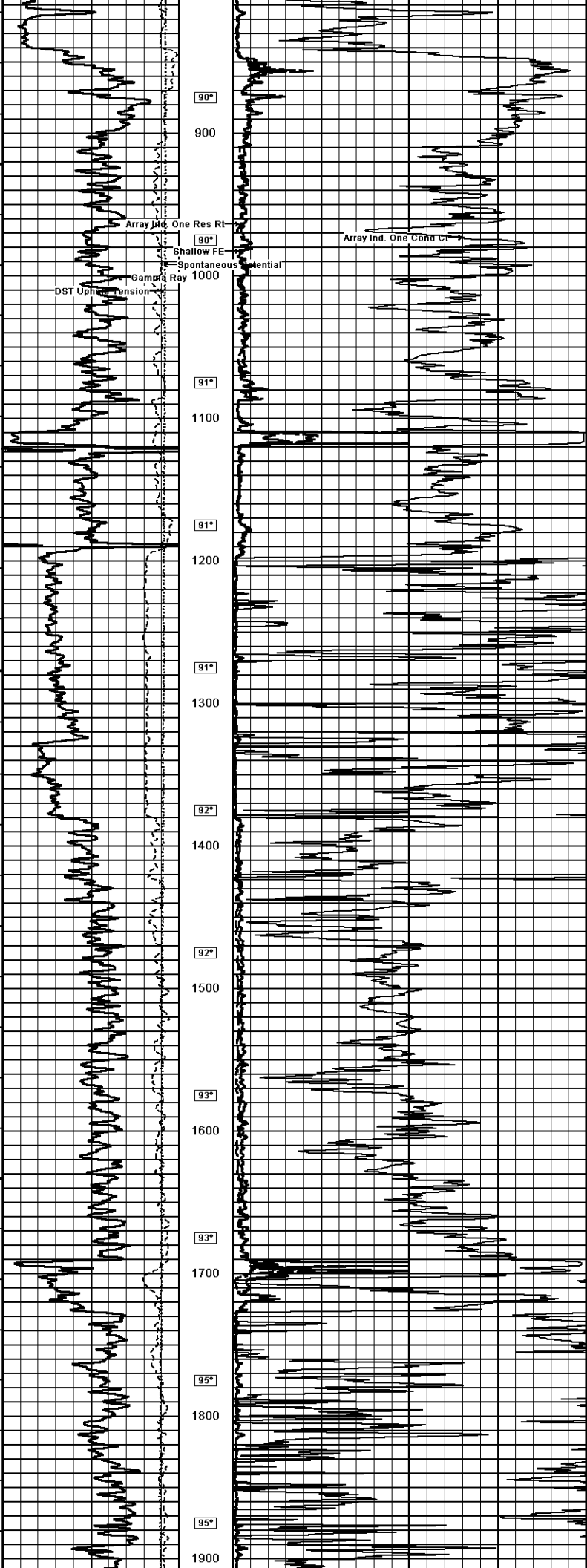
08-SEP-2012	ONE	FLOWLINE	15.60	mi/20Min
4950.00	feet			
4950.00	feet	0.92 @ 75.0	ohm-in	
4950.00	feet	0.74 @ 75.0	ohm-in	
3223.00	feet	1.10 @ 75.0	ohm-in	
3223.00	feet			
3223.00	feet			
7.875	feet			
CHEMICAL	inches			
1.10	g/g3	51.00	CP	
9.00				
110.00				
4 HOURS				
COMPACT	deg F			
13096	LIB			
REDFORD				
DAVID HICKMAN				
3537881				

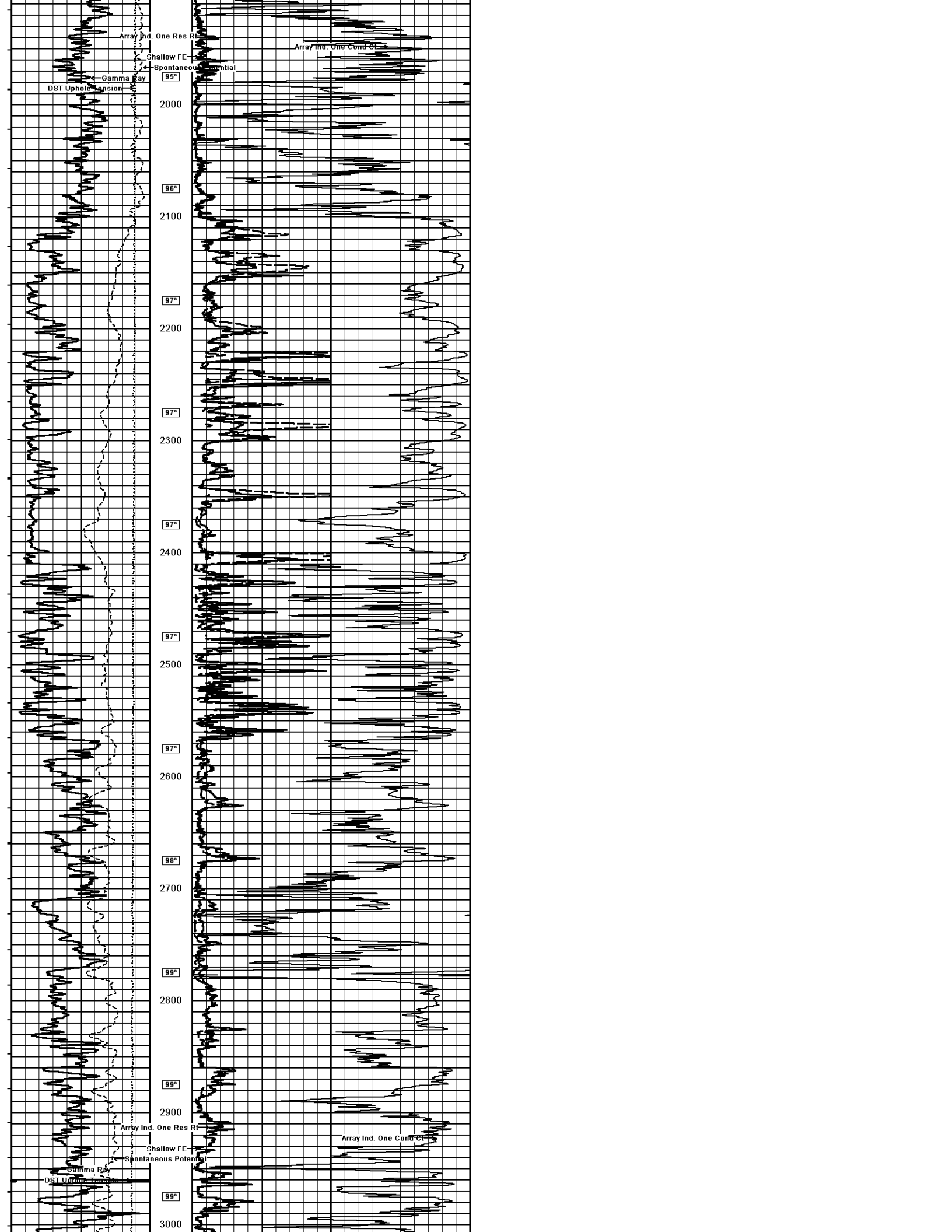
Revisions:
2524.00
2522.00
2516.00

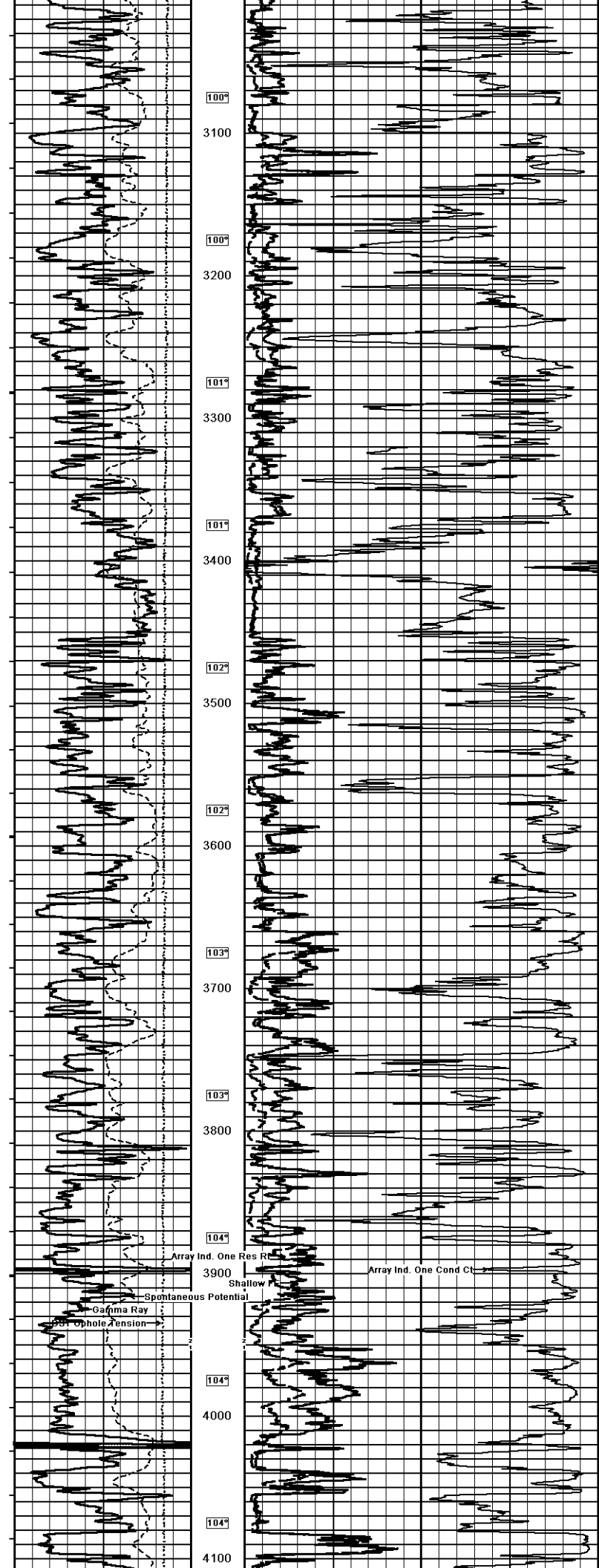
1 INCH MAIN

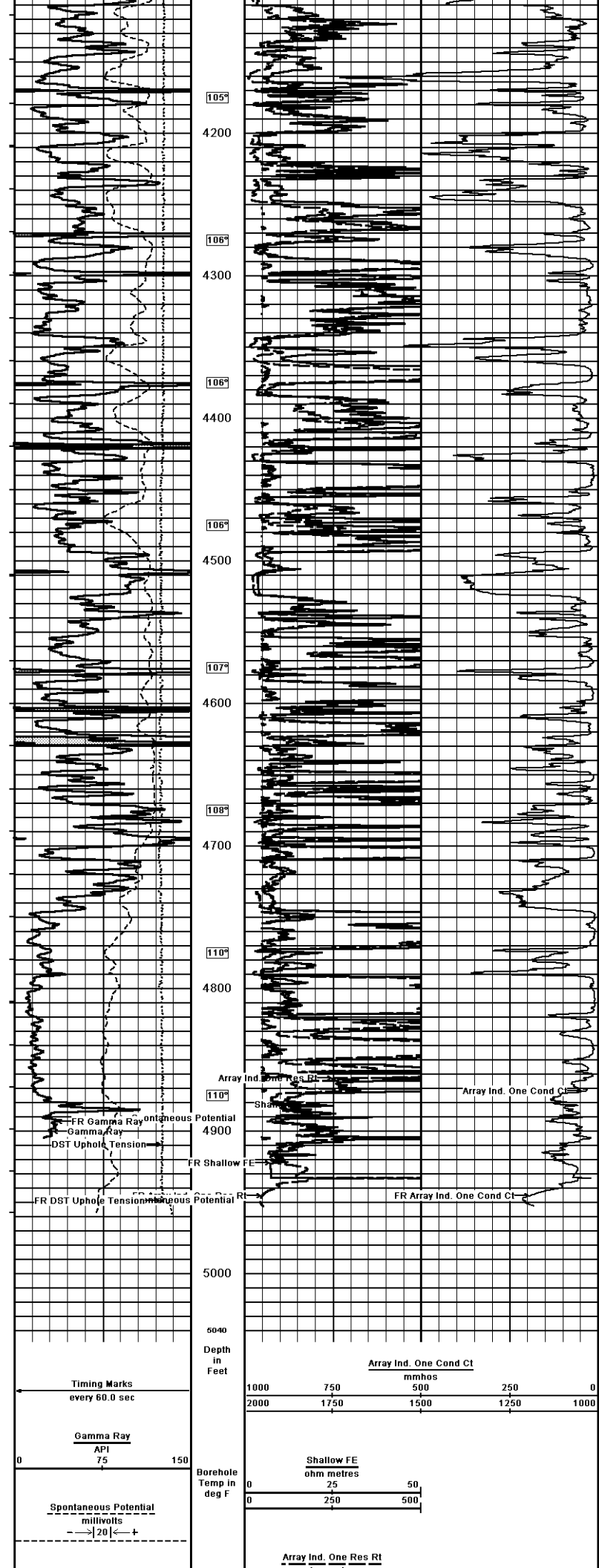
Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 08-SEP-2012 20:19
Filename: C:\Minimus 13.02.6600\Data\Redland Gleason 35-4\Redland Gleason 35-4 Main.dta
Recorded on 08-SEP-2012 17:09
System Versions: Logged with 13.02.6600 Plotted with 13.02.6600











DST Uphole Tension
pounds

Replay
Scale
1:600

ohm metres
0 25 50
0 250 500

5000 0

Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 08-SEP-2012 20:18
 Filename: C:\Minimus 13.02.6600\Data\Redland Gleason 35-4\Redland Gleason 35-4 Main.dta
 Recorded on 08-SEP-2012 17:09
 System Versions: Logged with 13.02.6600 Plotted with 13.02.6600

1 INCH MAIN

COMPANY REDLAND RESOURCES, INC.
 WELL GLEASON 35-4
 FIELD WILDCAT
 PROVINCE/COUNTY HODGEMAN
 COUNTRY/STATE U.S.A. / KANSAS

Elevation Kelly Bushing	2524.00	feet	First Reading	4946.00	feet
Elevation Drill Floor	2522.00	feet	Depth Driller	4950.00	feet
Elevation Ground Level	2516.00	feet	Depth Logger	4949.00	feet



Weatherford

ARRAY INDUCTION
 SHALLOW FOCUSED
 ELECTRIC LOG