



Weatherford[®]

ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG

GRAND MESA OPERATING COMPANY

PHILLIP # 1-26

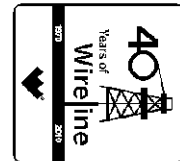
WILDCAT

GOVE

U.S.A. / KANSAS

2180' FNL & 1707' FWL

NW SW SE NW



COMPANY	GRAND MESA OPERATING COMPANY			Other Services	
WELL	PHILLIP # 1-26			MPD/MDN	
FIELD	WILDCAT			MML	
PROVINCE/COUNTY	GOVE			MSS	
COUNTRY/STATE	U.S.A. / KANSAS				
LOCATION	2180' FNL & 1707' FWL				
	NW SW SE NW				
SEC	TWP	RGE			
26	13S	31W			
API Number	15-063-22000				
Permit Number					
Permanent Datum	G.L., Elevation 2851 feet				
Log Measured From	KB				2856.00
Drilling Measured From	K.B.				2854.00
					2851.00
Date	03-JUN-2012				
Run Number	ONE				
Depth Driller	4631.00			feet	
Depth Logger	4638.00			feet	
First Reading	4635.00			feet	
Last Reading	207.00			feet	
Casing Driller	210.00			feet	
Casing Logger	207.00			feet	
Bit Size	7.875			inches	
Hole Fluid Type	CHEMICAL				
Density / Viscosity	9.20	lb/USg	63.00	CP	
PH / Fluid Loss	10.50		7.20	ml/30Min	
Sample Source	FLOWLINE				
Rm @ Measured Temp	0.92 @ 81.0			ohm-m	
Rmf @ Measured Temp	0.74 @ 81.0			ohm-m	
Rmc @ Measured Temp	1.10 @ 81.0			ohm-m	
Source Rmf / Rmc	CALC		CALC		
Rm @ BHT	0.61 @ 125.0			ohm-m	
Time Since Circulation	7 HOURS				
Max Recorded Temp	126.00			deg F	
Equipment Name	COMPACT				
Equipment / Base	13057				
Recorded By	A. GIAMBALVO				
Witnessed By	BOB SCHRIBER				
S.O. / JOB #	3534584				LB12-138

BOREHOLE RECORD

Last Edited: 04-JUN-2012 02:20

Bit Size inches	Depth From feet	Depth To feet
7.875	207.00	4638.00

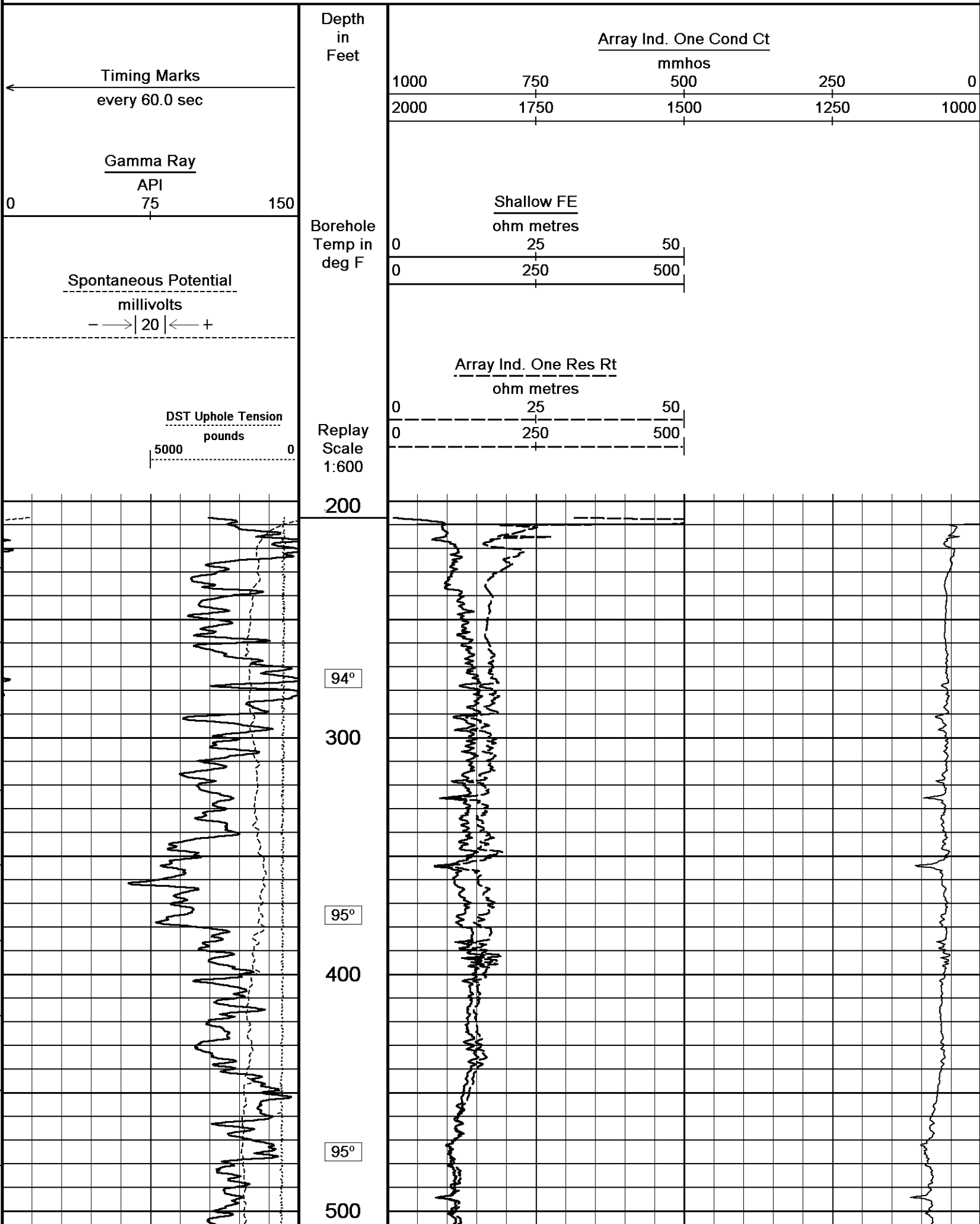
CASING RECORD

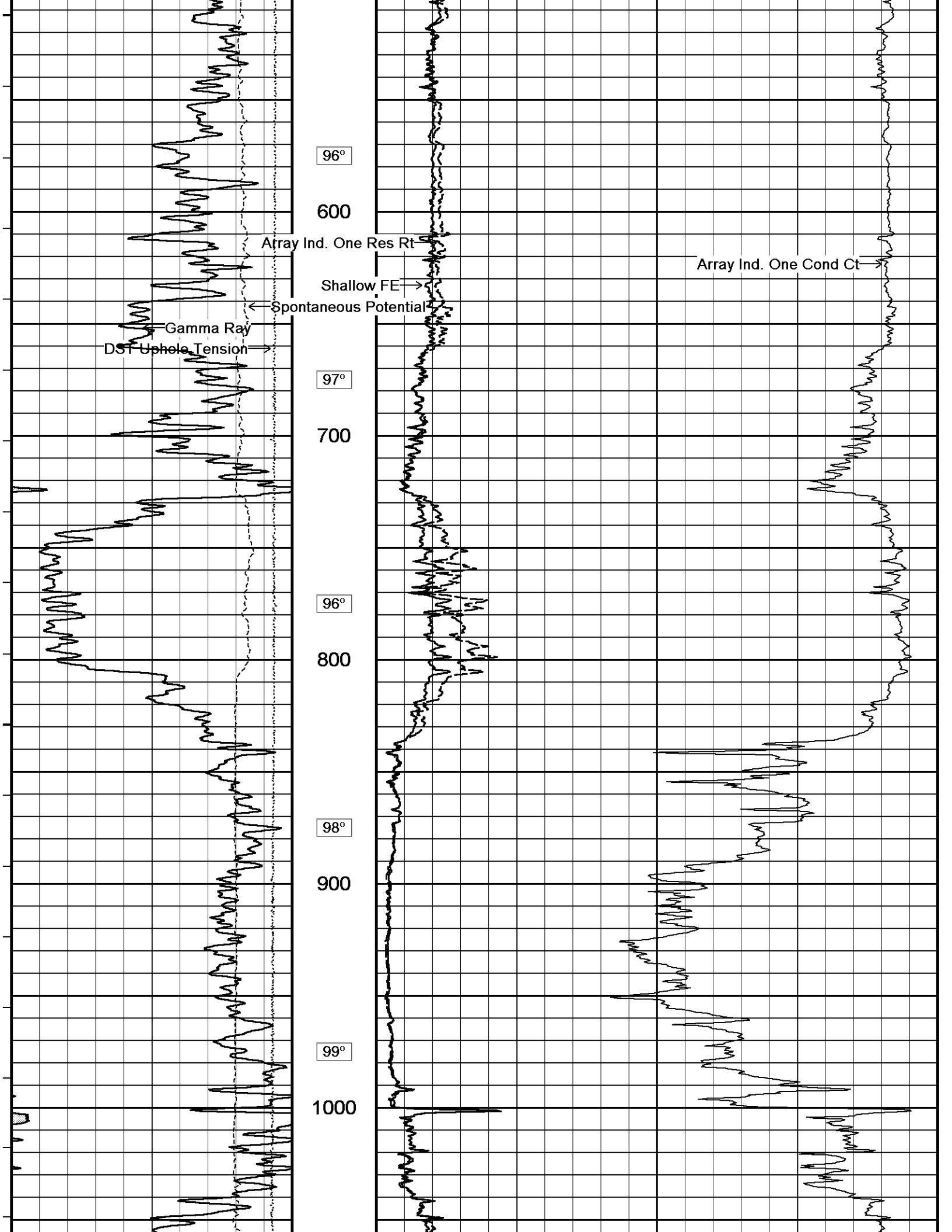
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	5.00	207.00	24.00

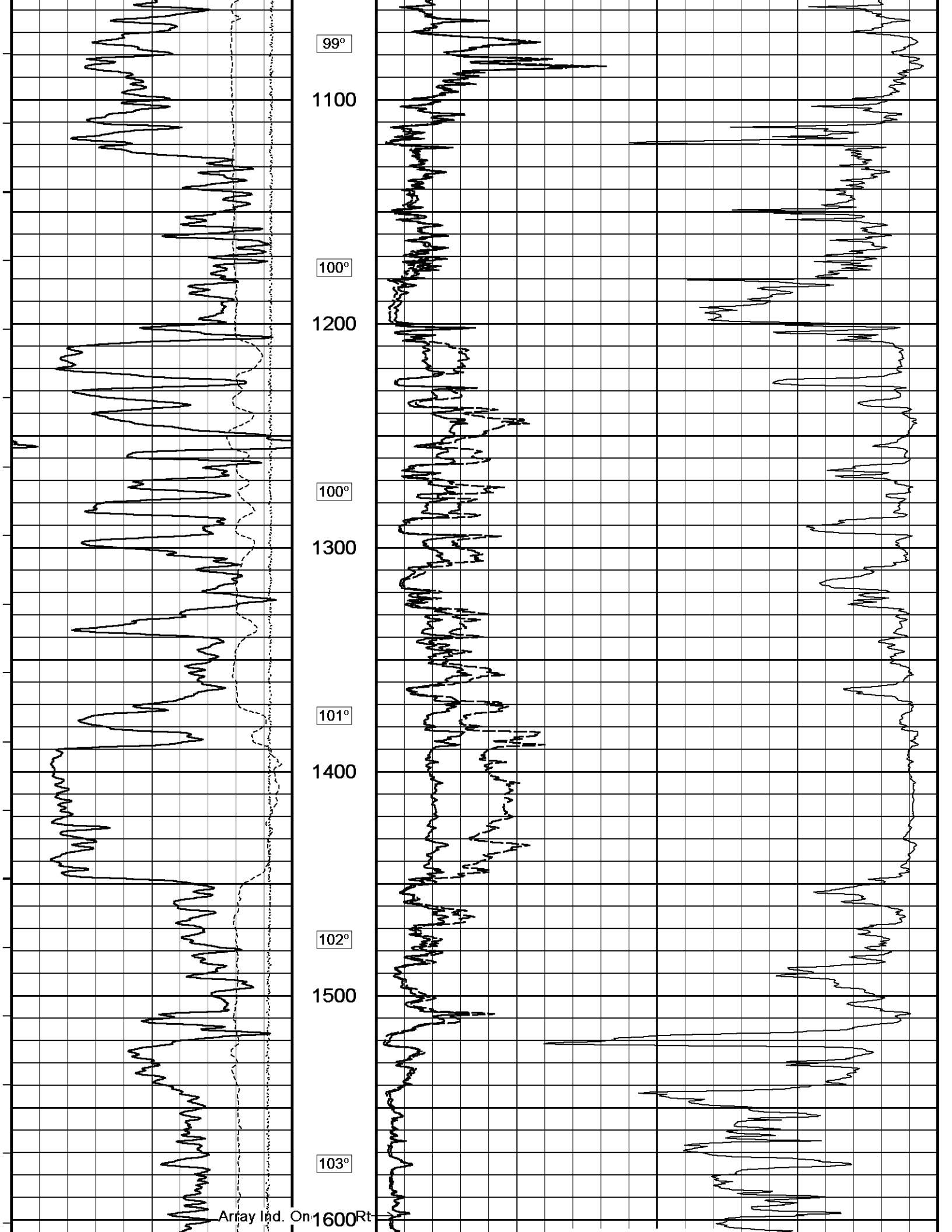
REMARKS

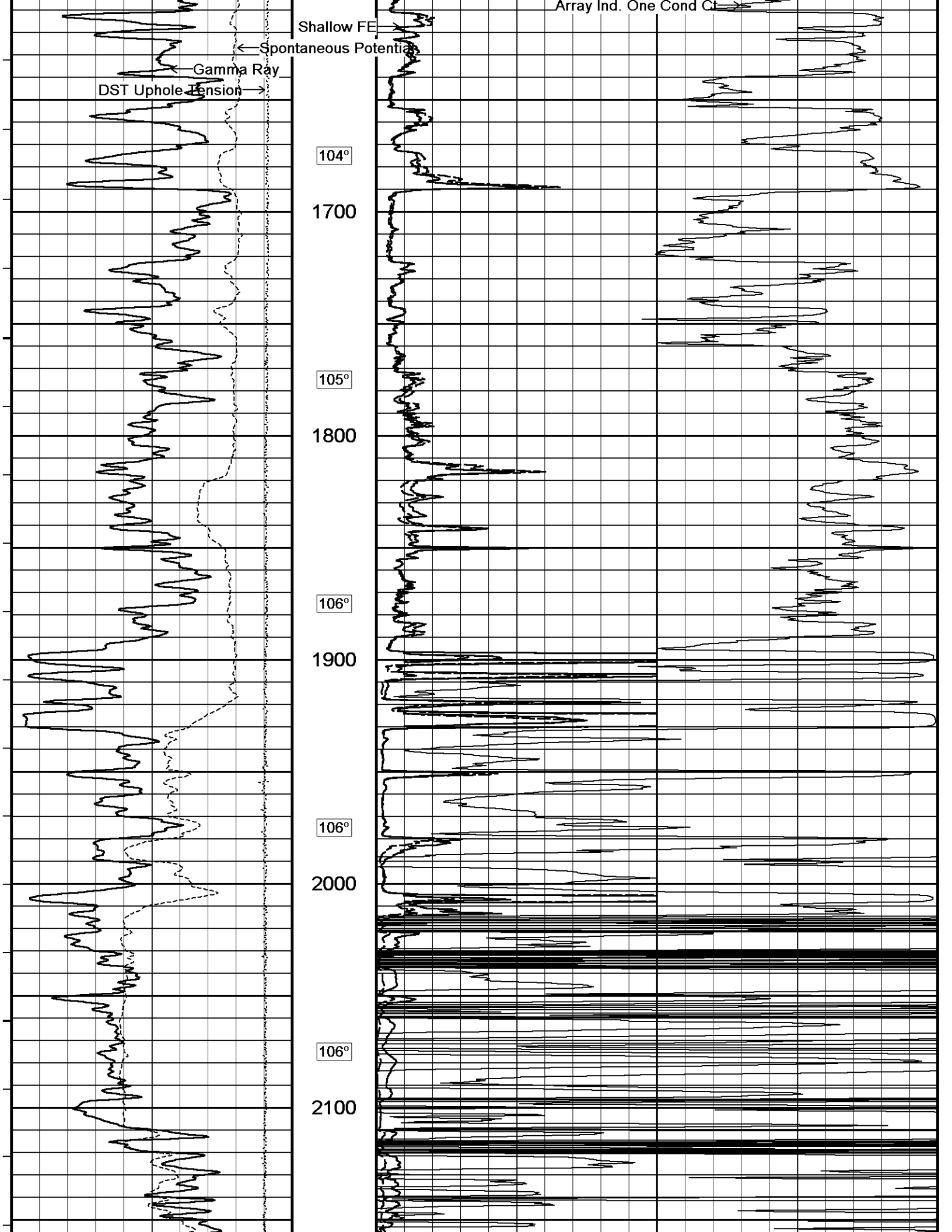
Tools Ran: MCG, MML, MDN, MPD, MFE, MSS, MAI.
 Hardware Used: MDN Dual Eccentralizer used. MPD 8 inch profile plate used. MFE, MSS and MAI 0.5 inch standoffs used.
 2.71 g/cc Limestone Density Matrix used to calculate porosity.
 All intervals logged and scaled per customer's request.
 Annular volume with 5.5 inch production casing calculated 0 = 192 cu. ft.
 Service order #3534584
 Rig: Murfin Rig # 24
 Engineer: A. Giambalvo
 Operator(s): K. Rinehart

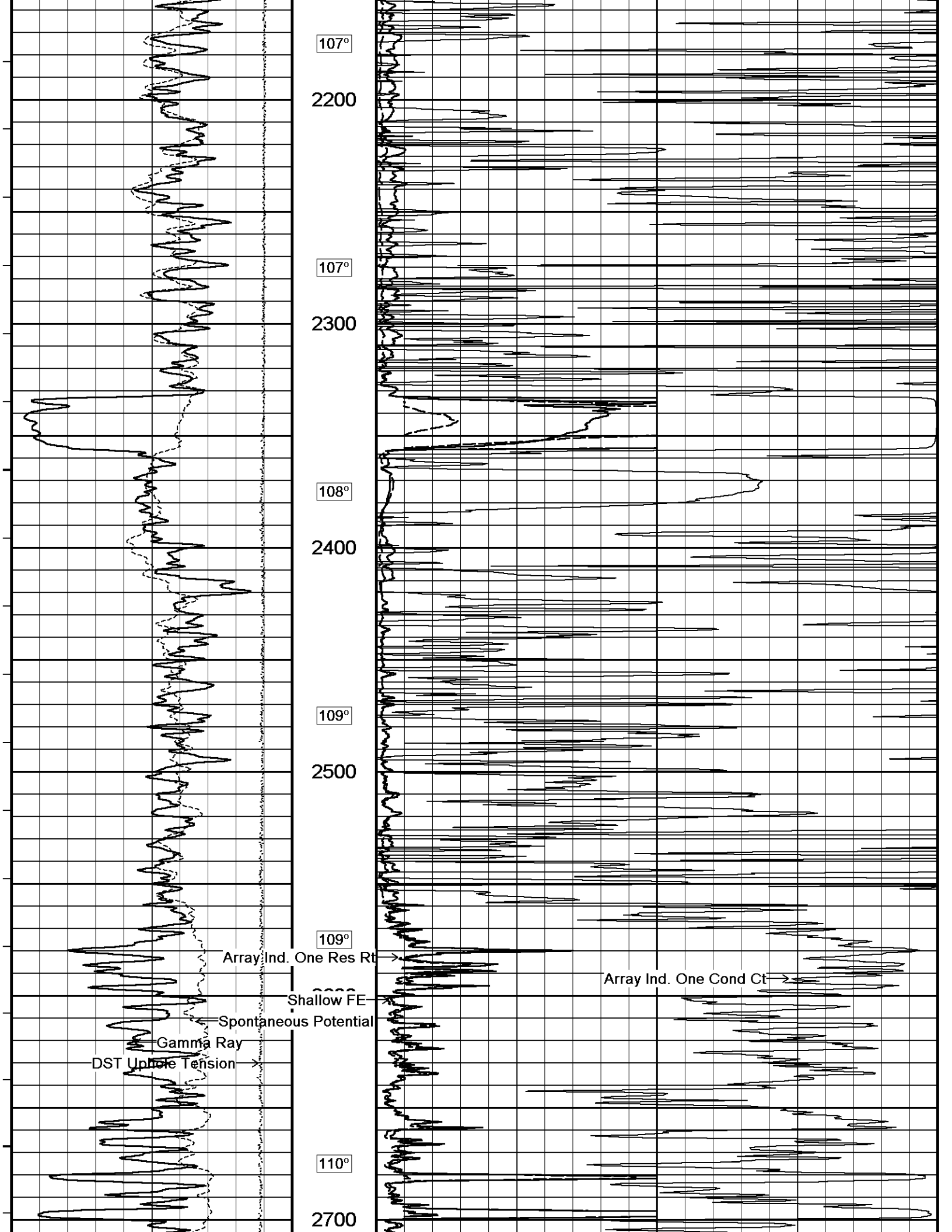
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

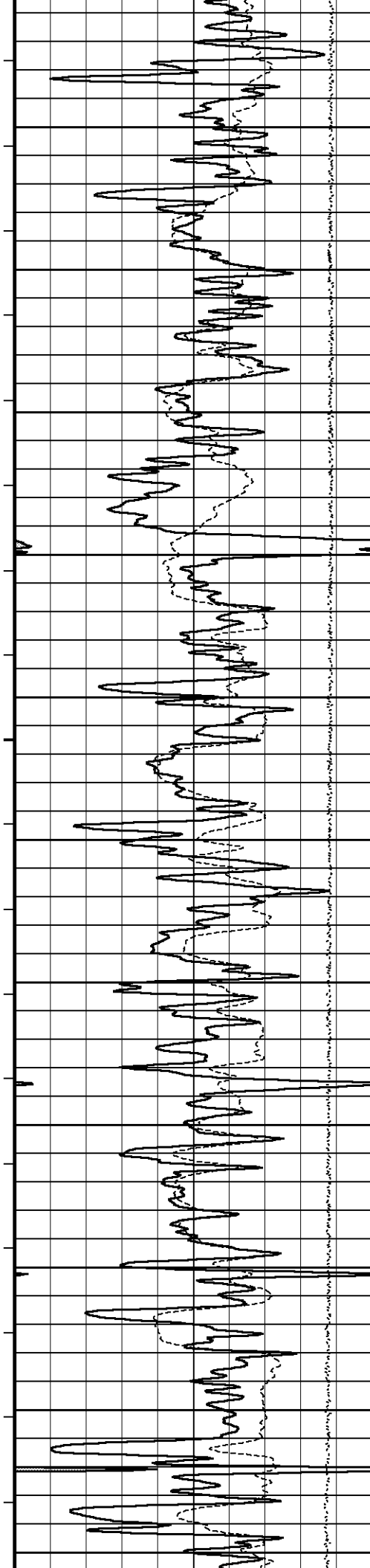












111°

2800

111°

2900

112°

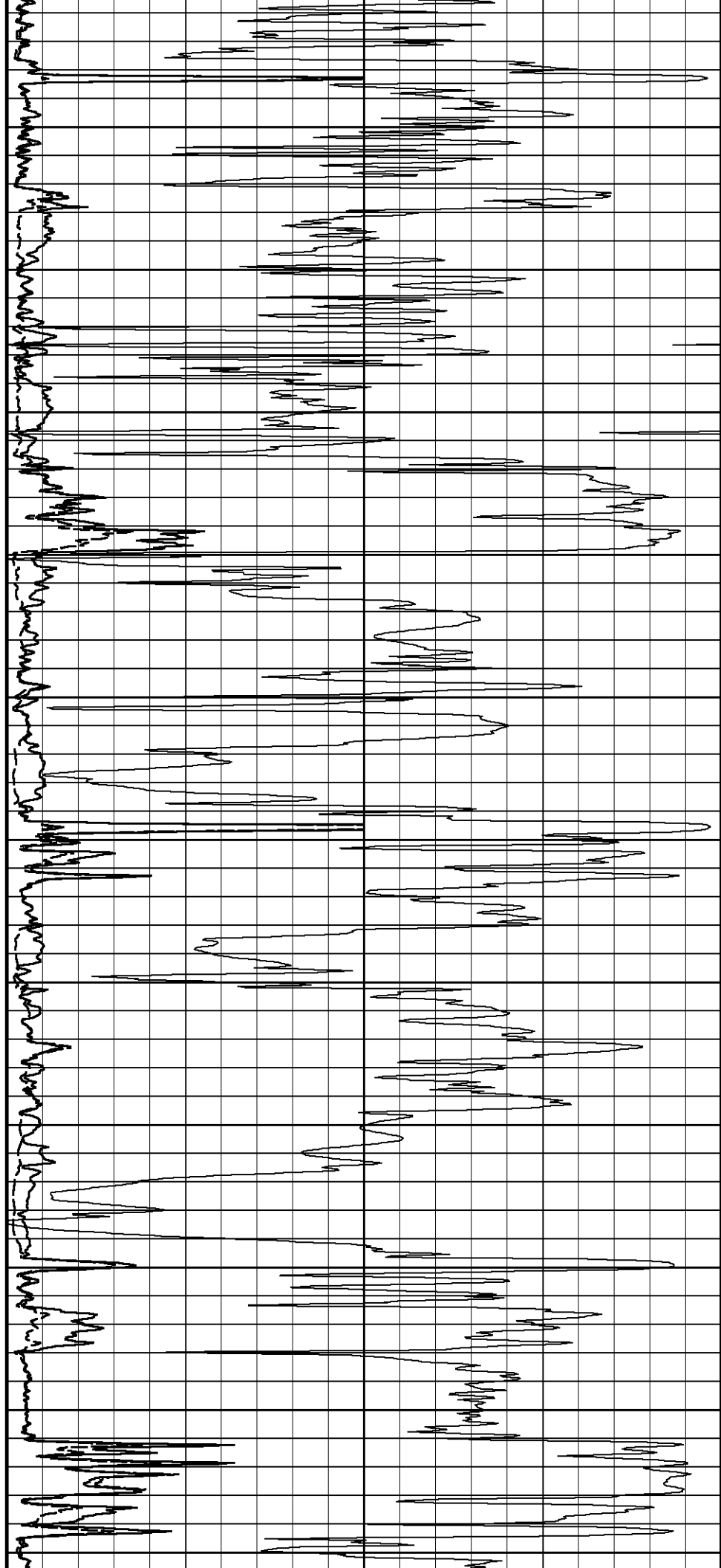
3000

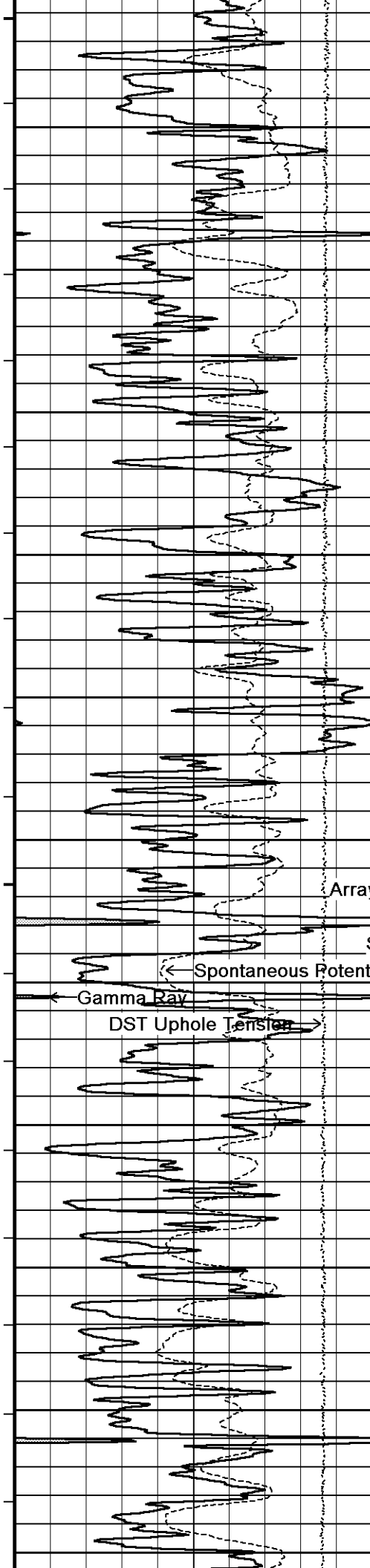
112°

3100

113°

3200





114°

3300

115°

3400

115°

3500

Array Ind. One Res Pt

116°

Shallow FE

← Spontaneous Potential

← Gamma Ray

DST Uphole Tension →

3600

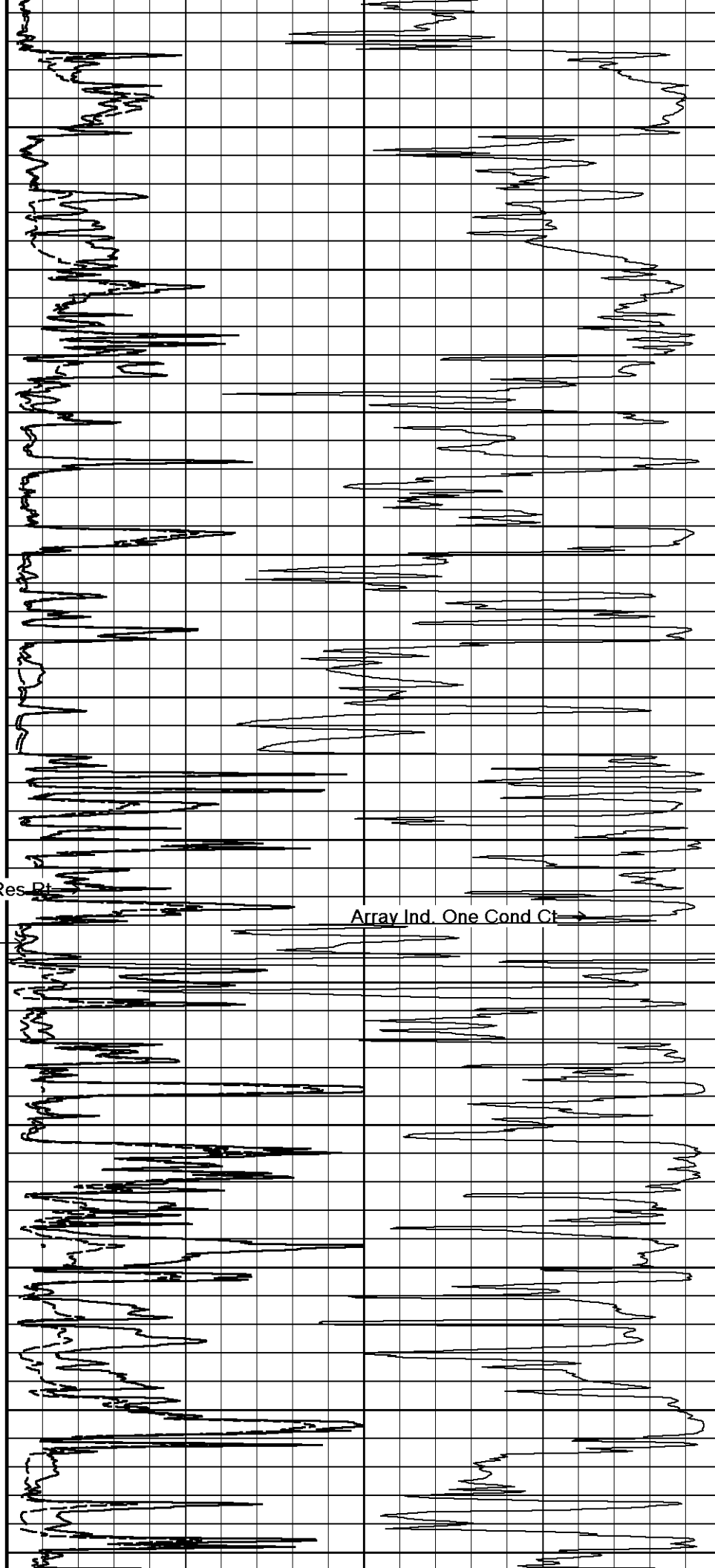
116°

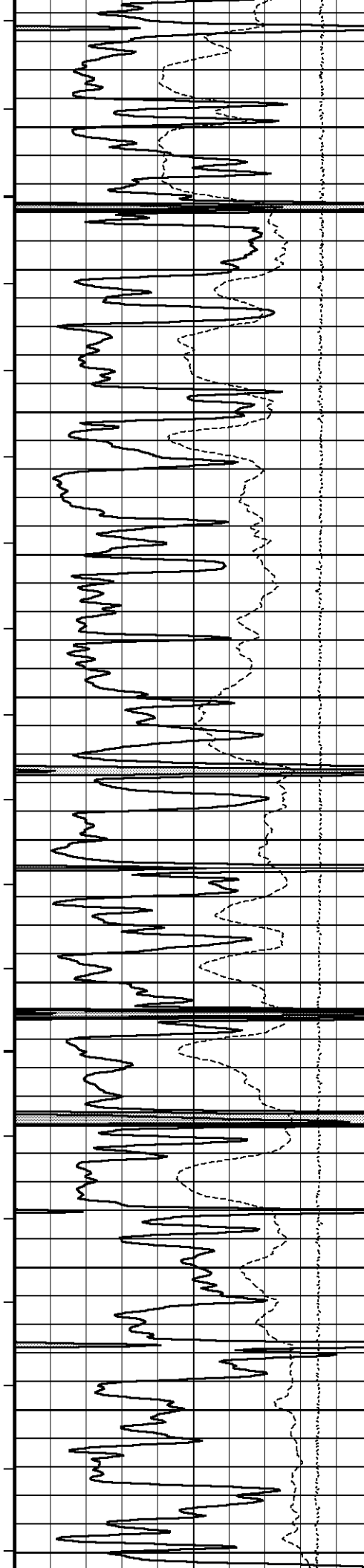
3700

117°

3800

Array Ind. One Cond Ct →





118°

3900

119°

4000

119°

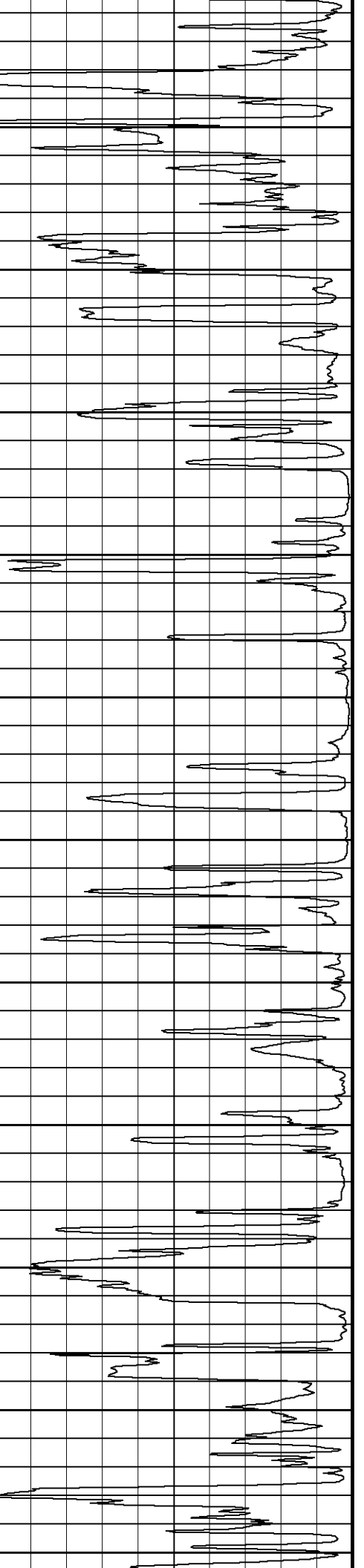
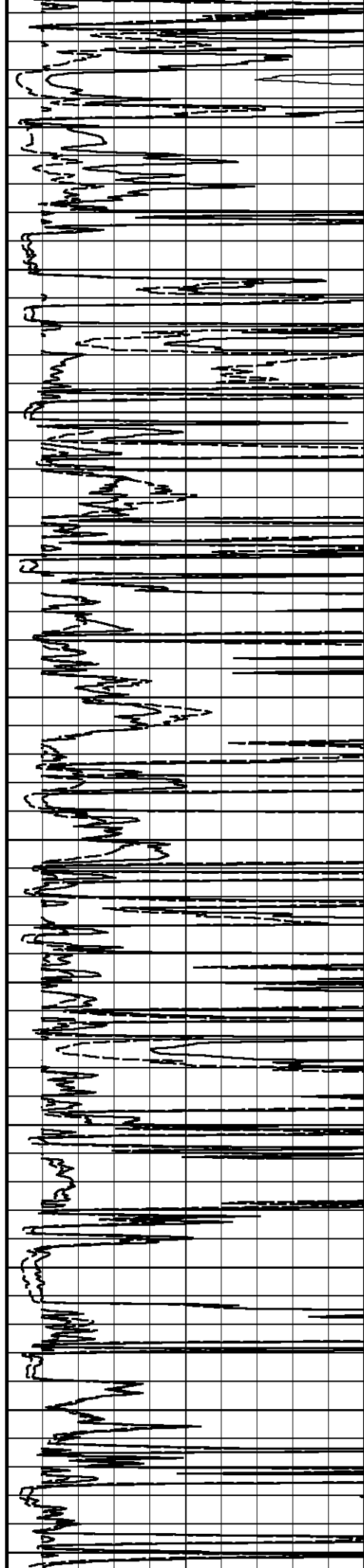
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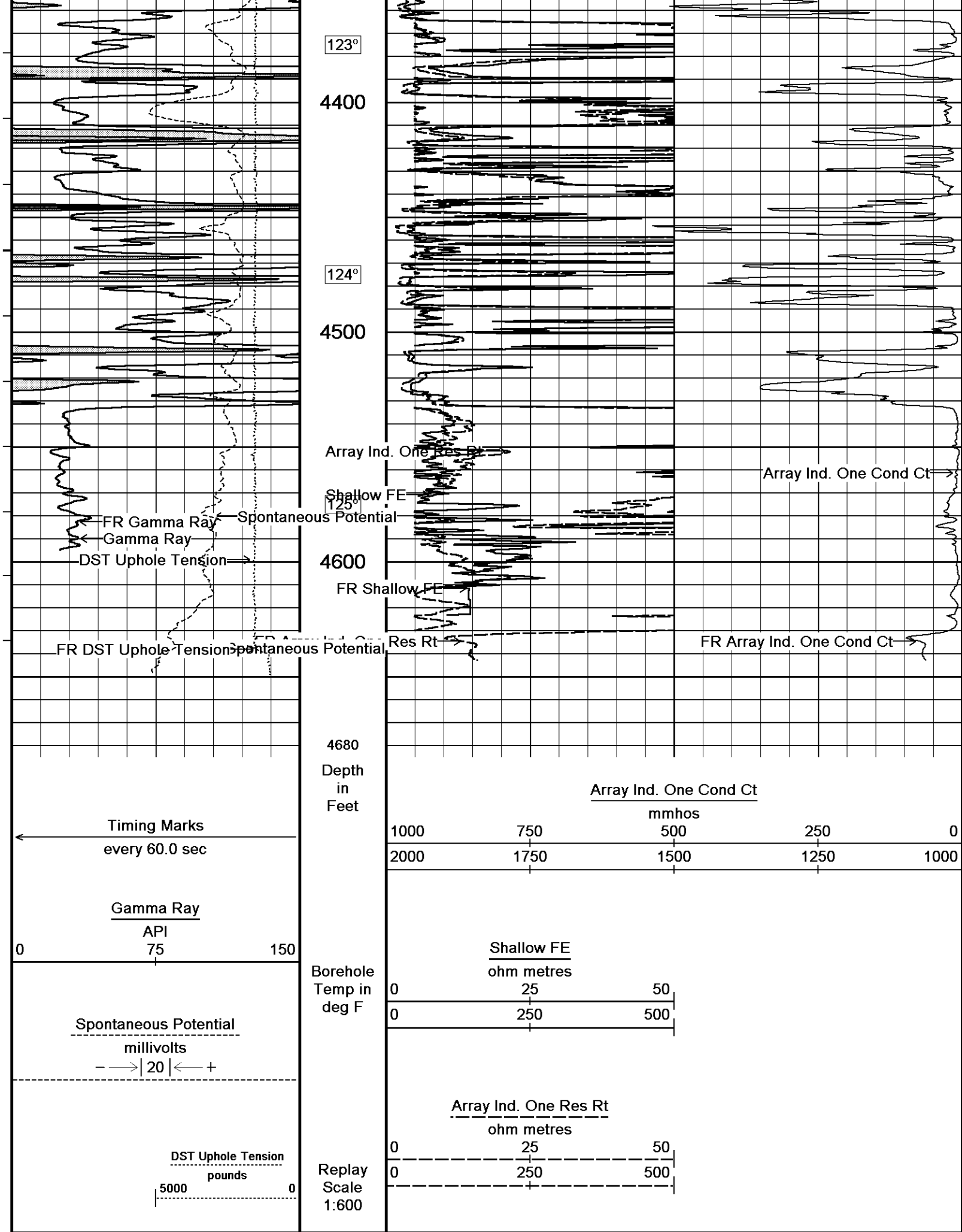
121°

4200

121°

4300

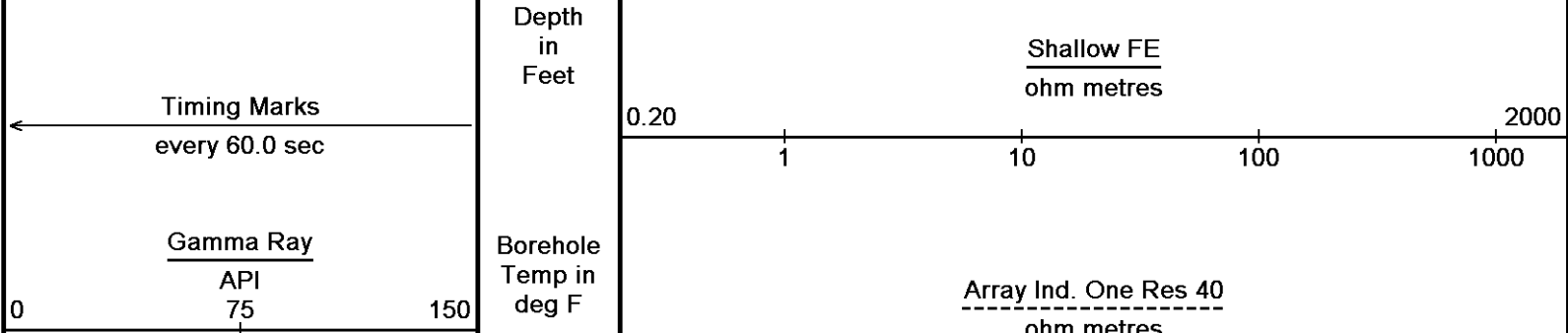
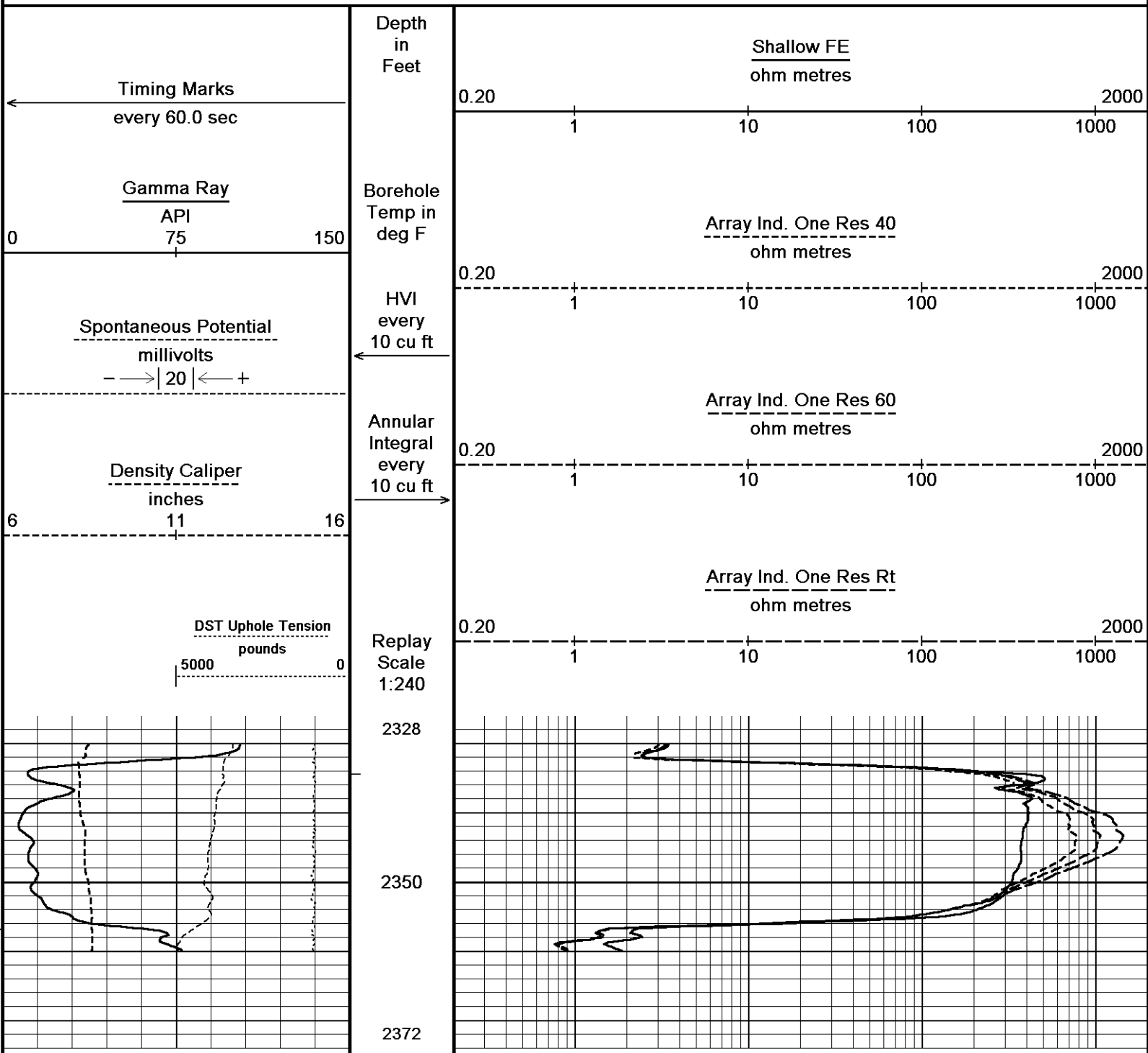


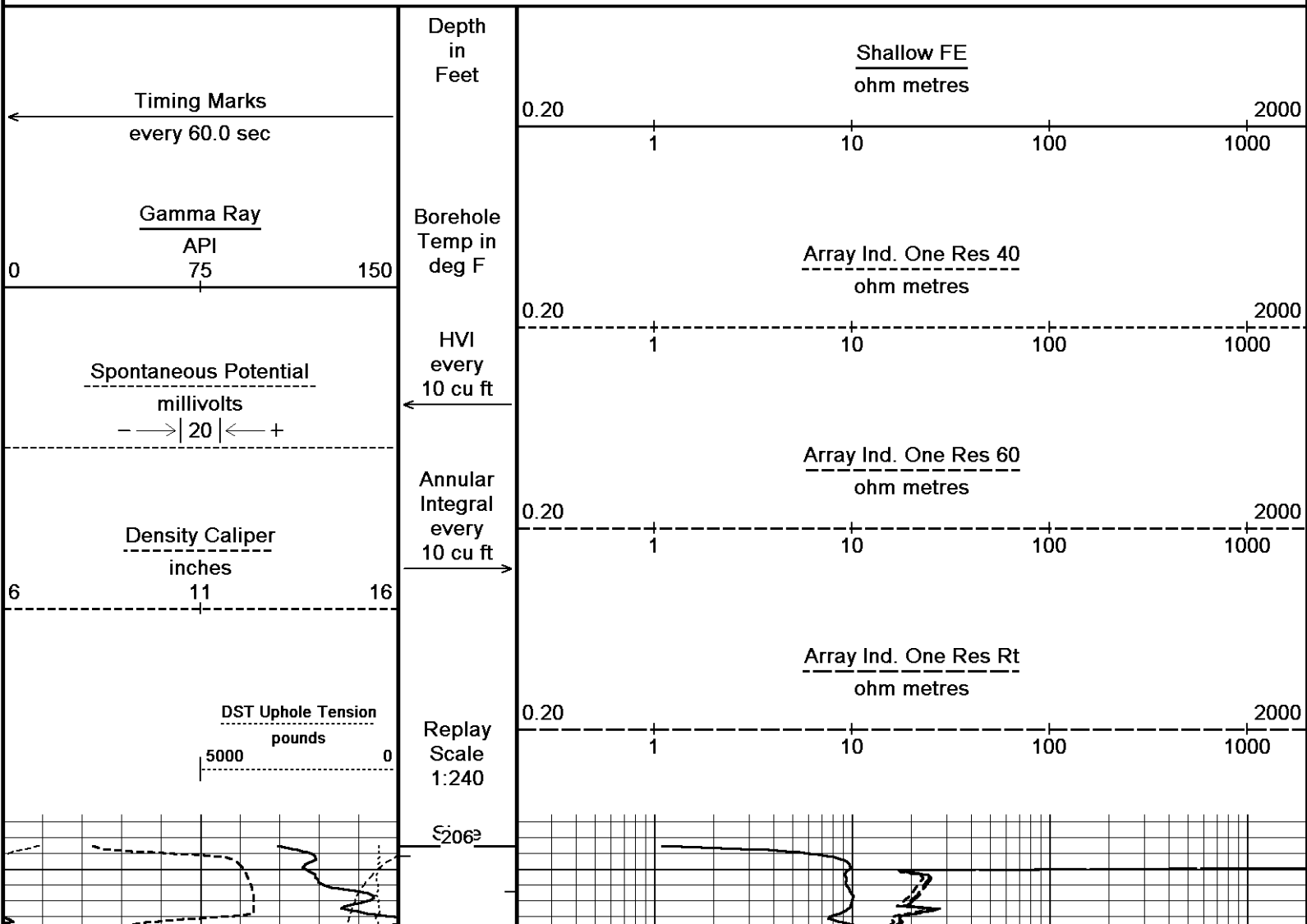
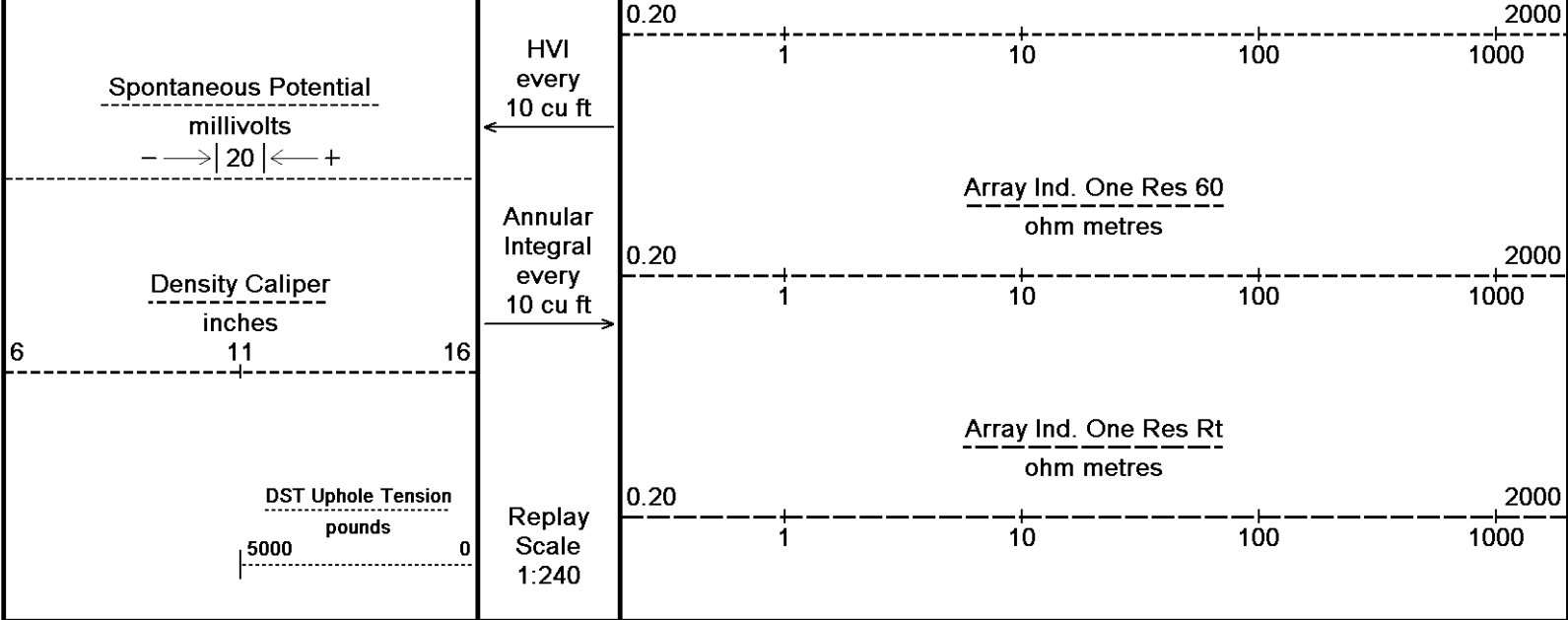


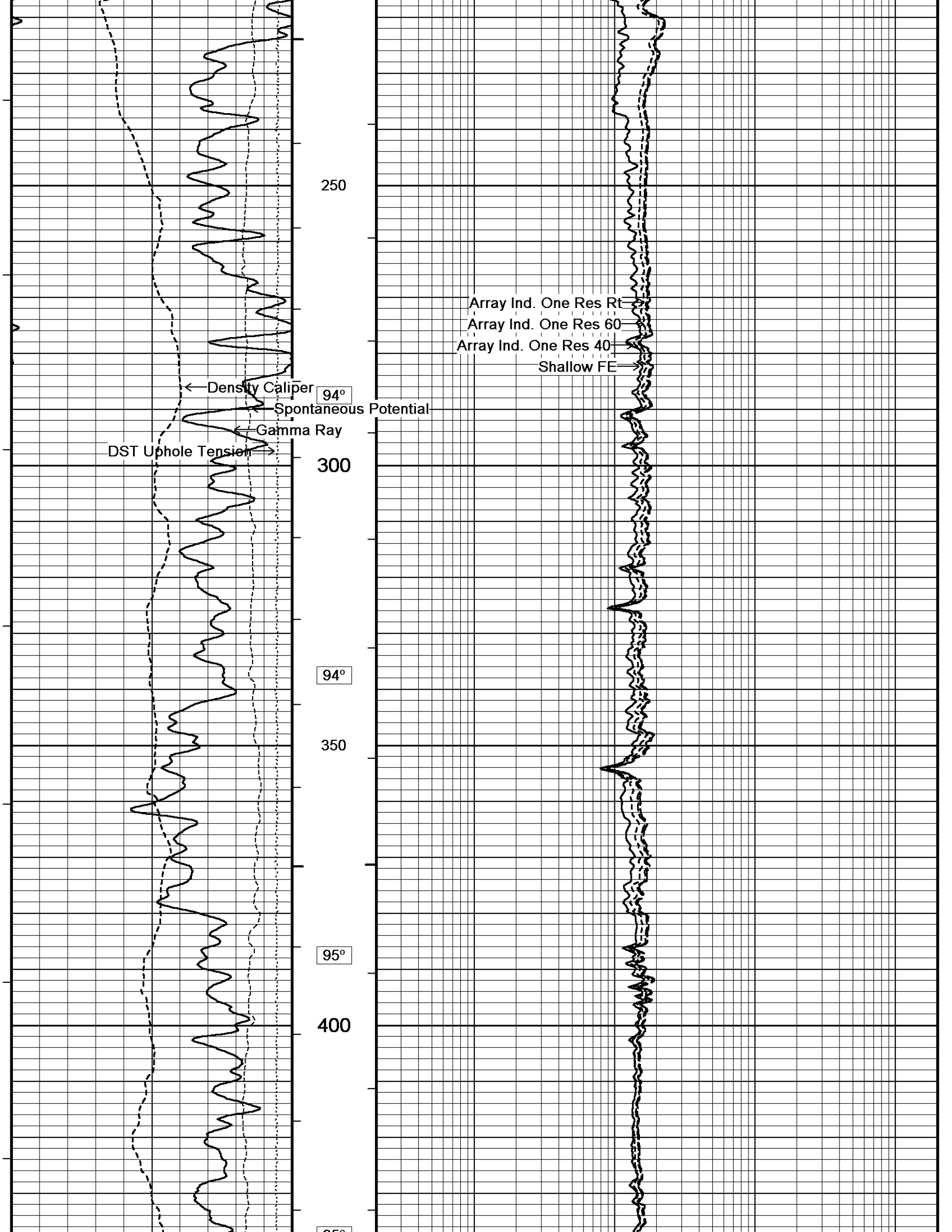
↑ **2 INCH MAIN PASS** ↑

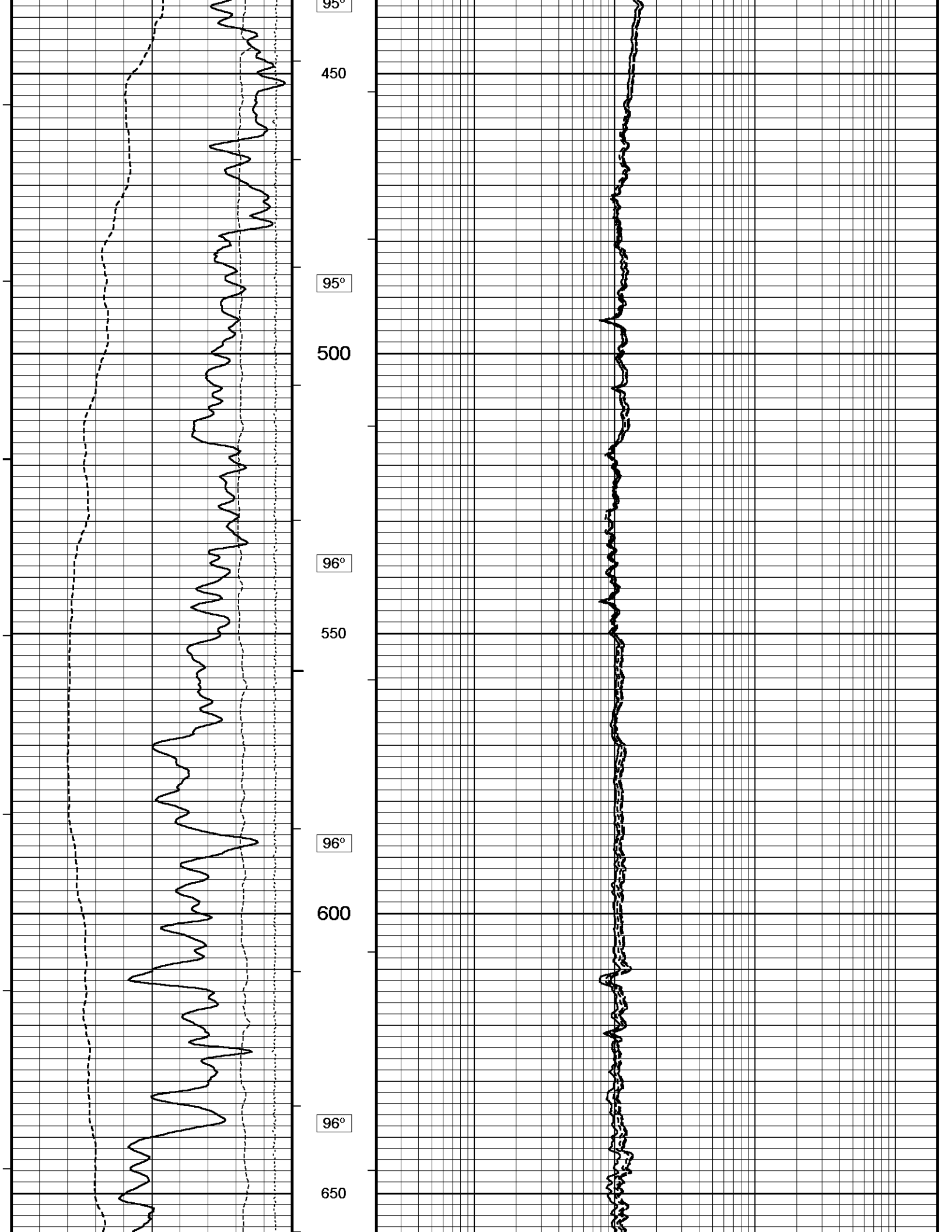
↓ **5 INCH ANHYDRITE** ↓

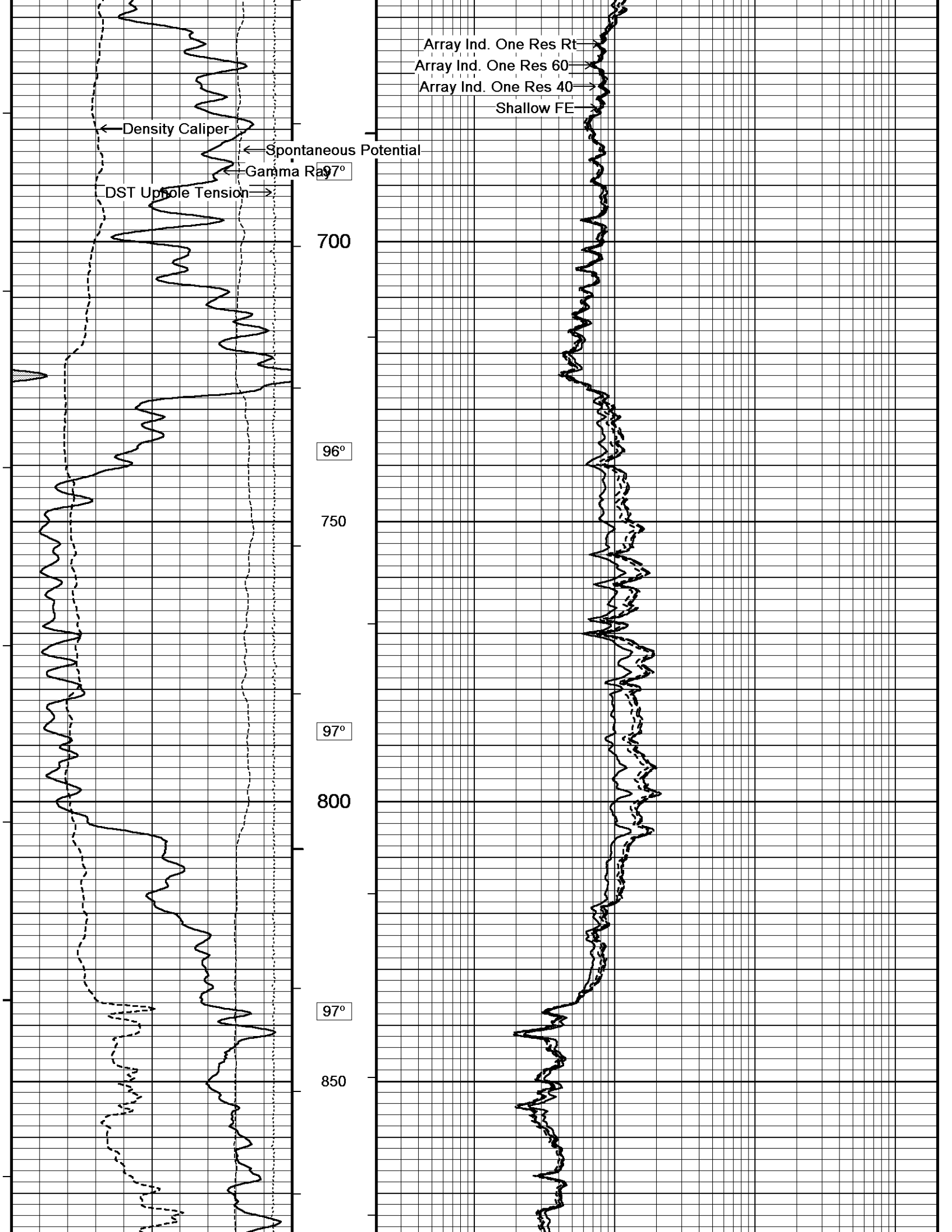
Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 04-JUN-2012 02:26
 Filename: C:\Minimus 11.03.4044\Data\Gra...\Grand Mesa Operating Company Phillip # 1-26 Splice.dta Recorded on 03-JUN-2012 22:06
 System Versions: Plotted with 11.03.4044

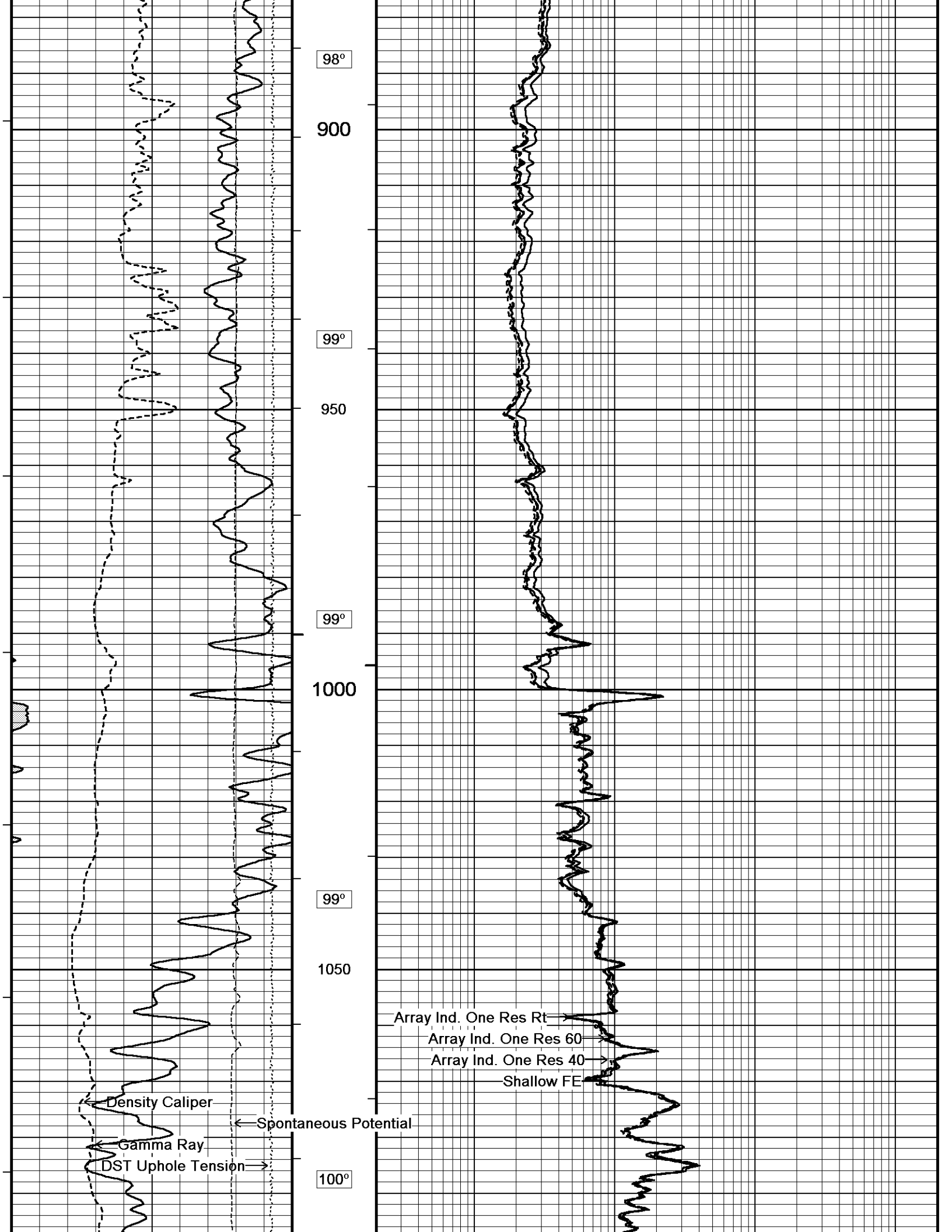


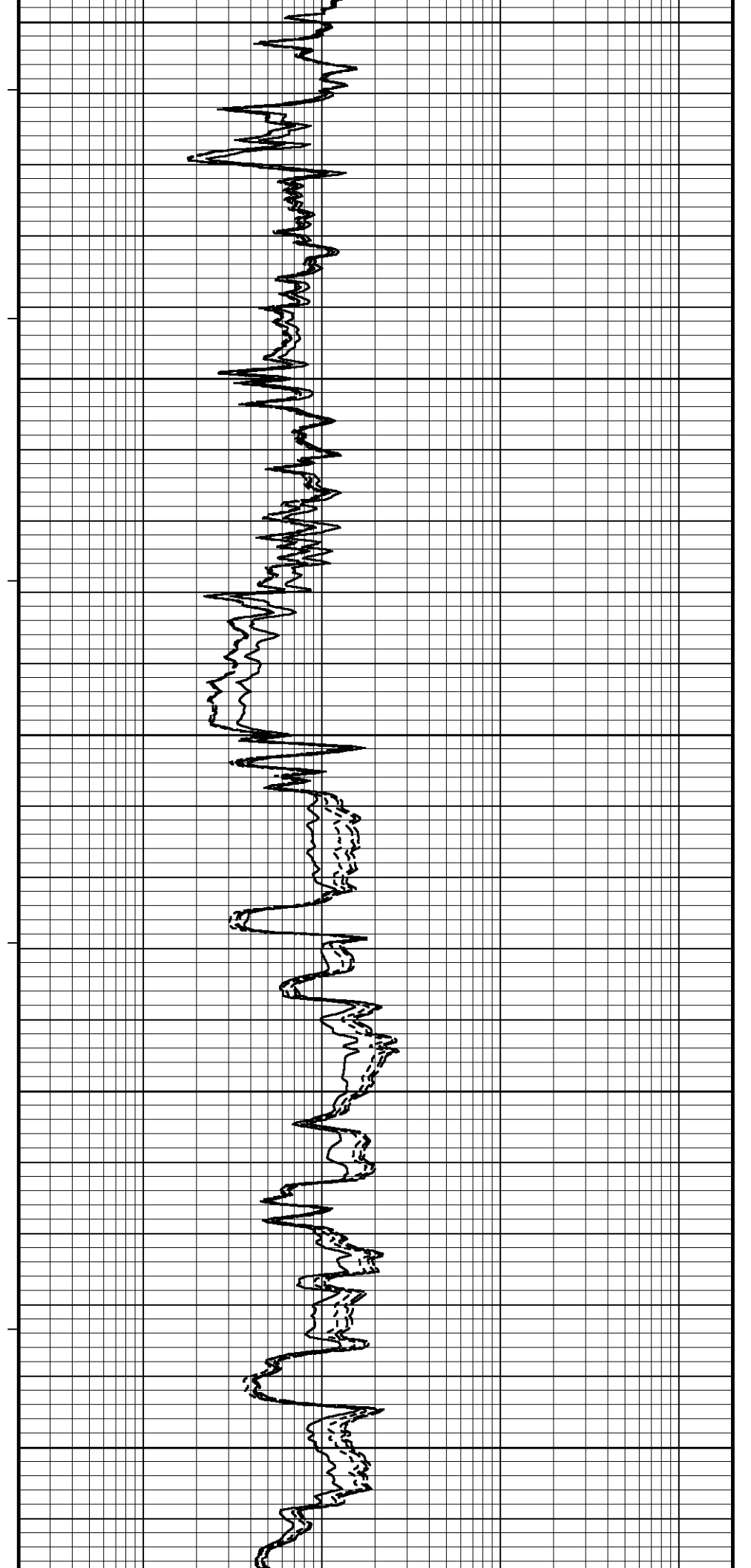
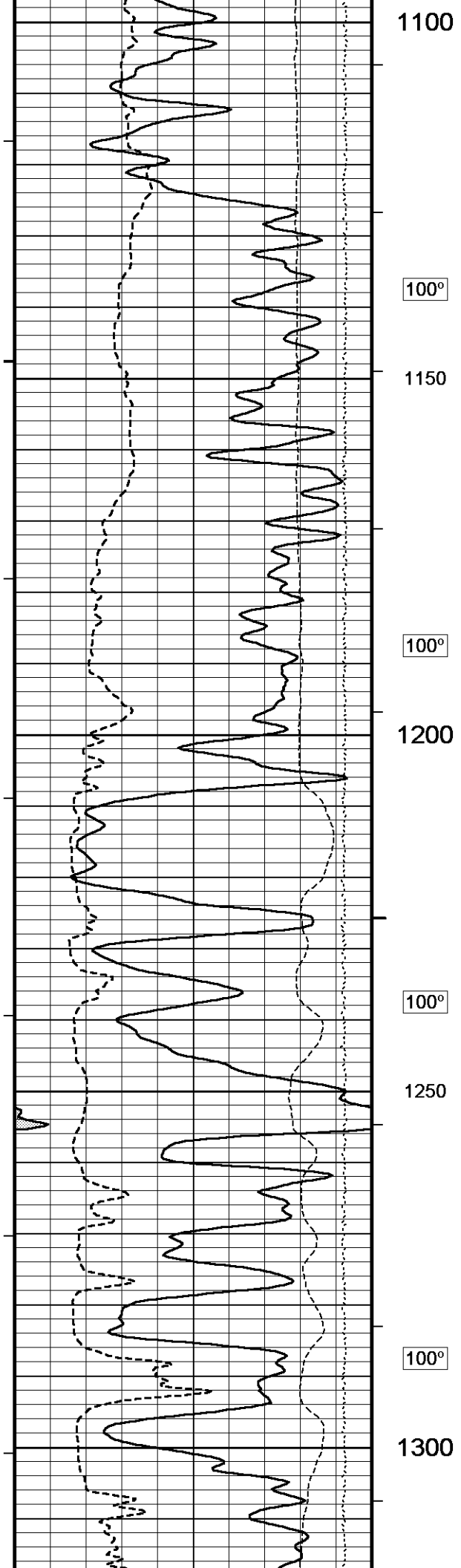


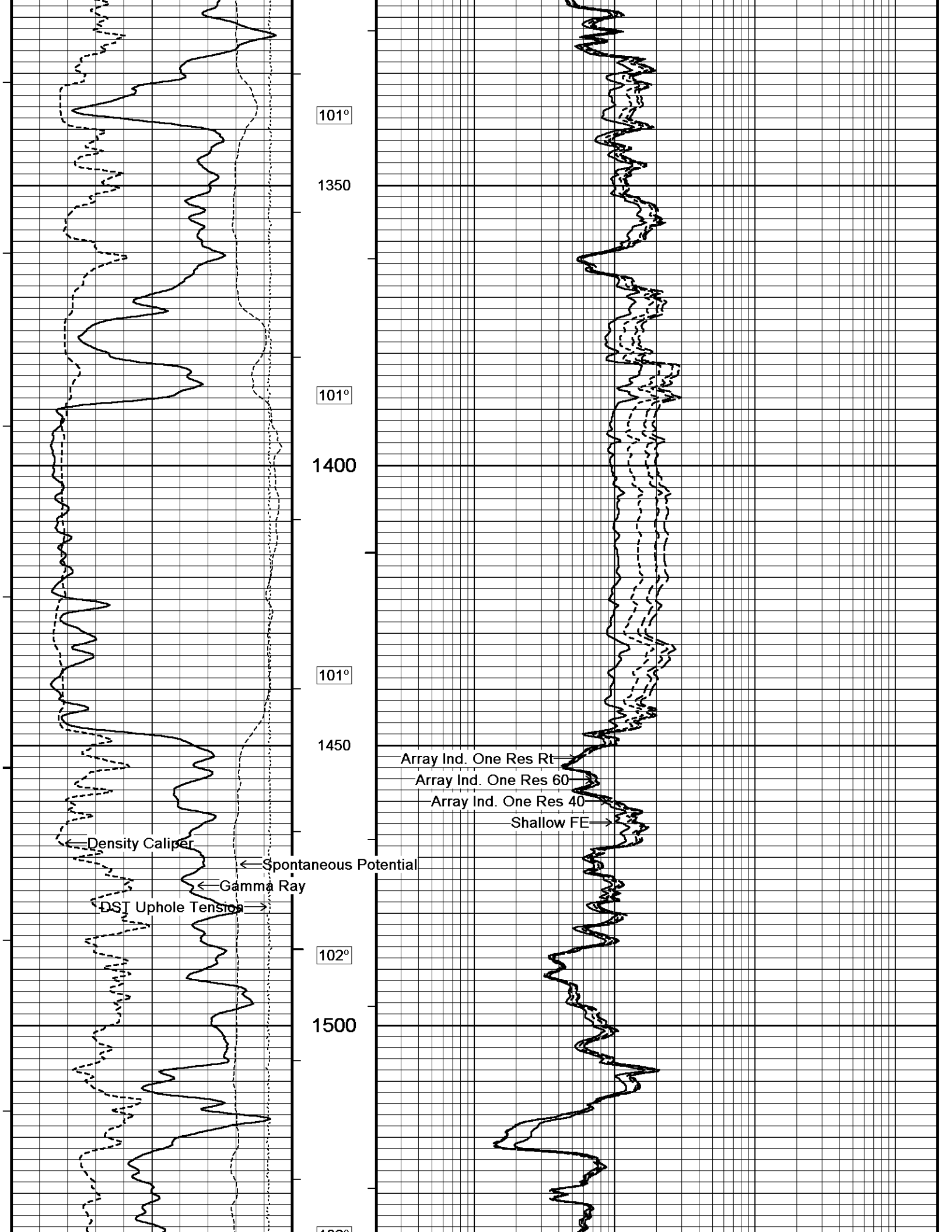


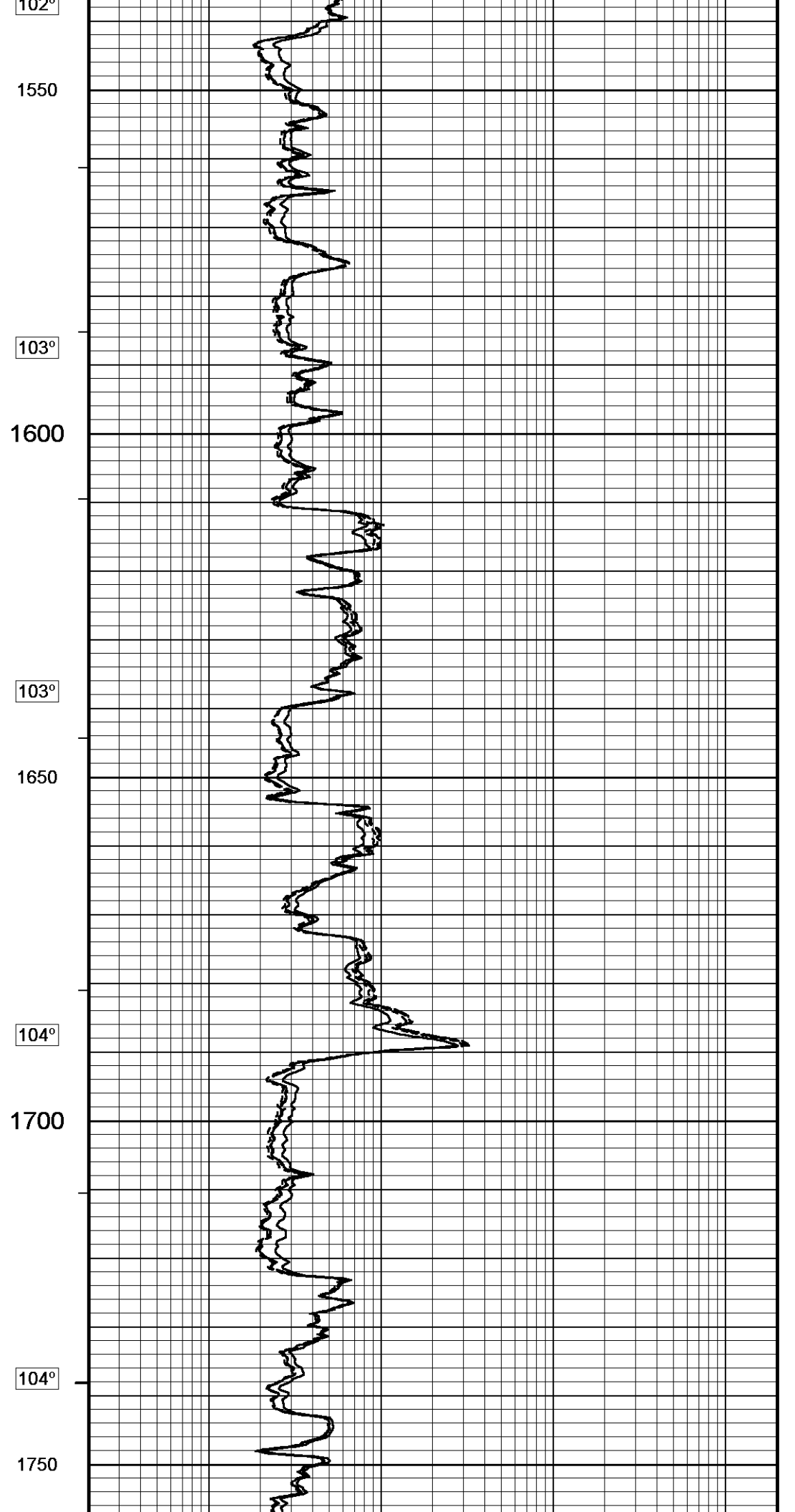
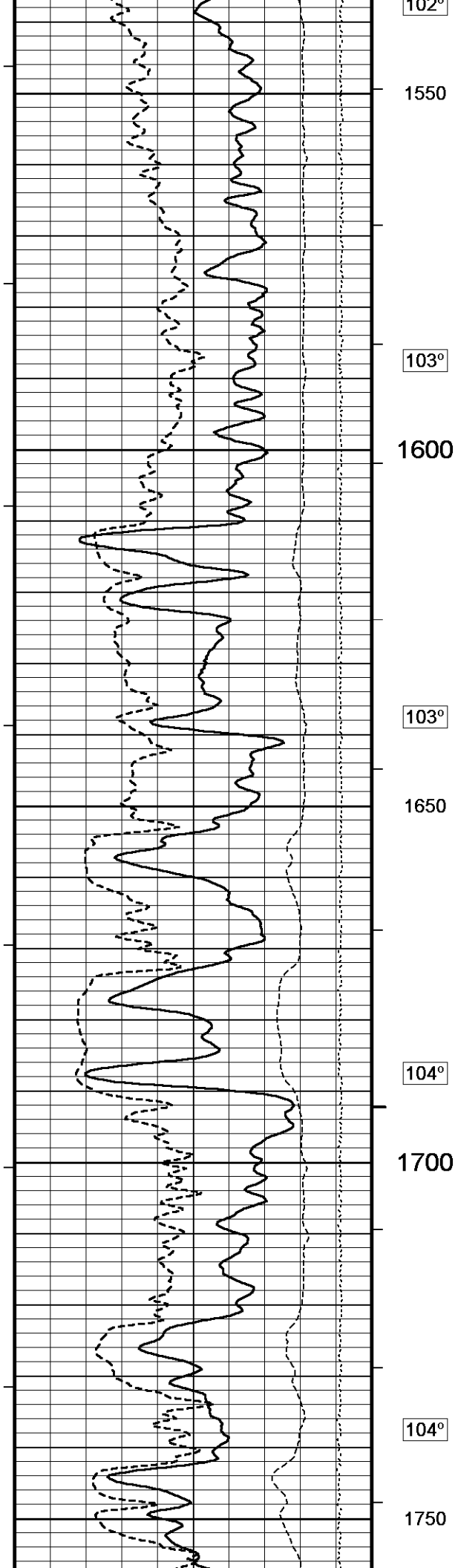


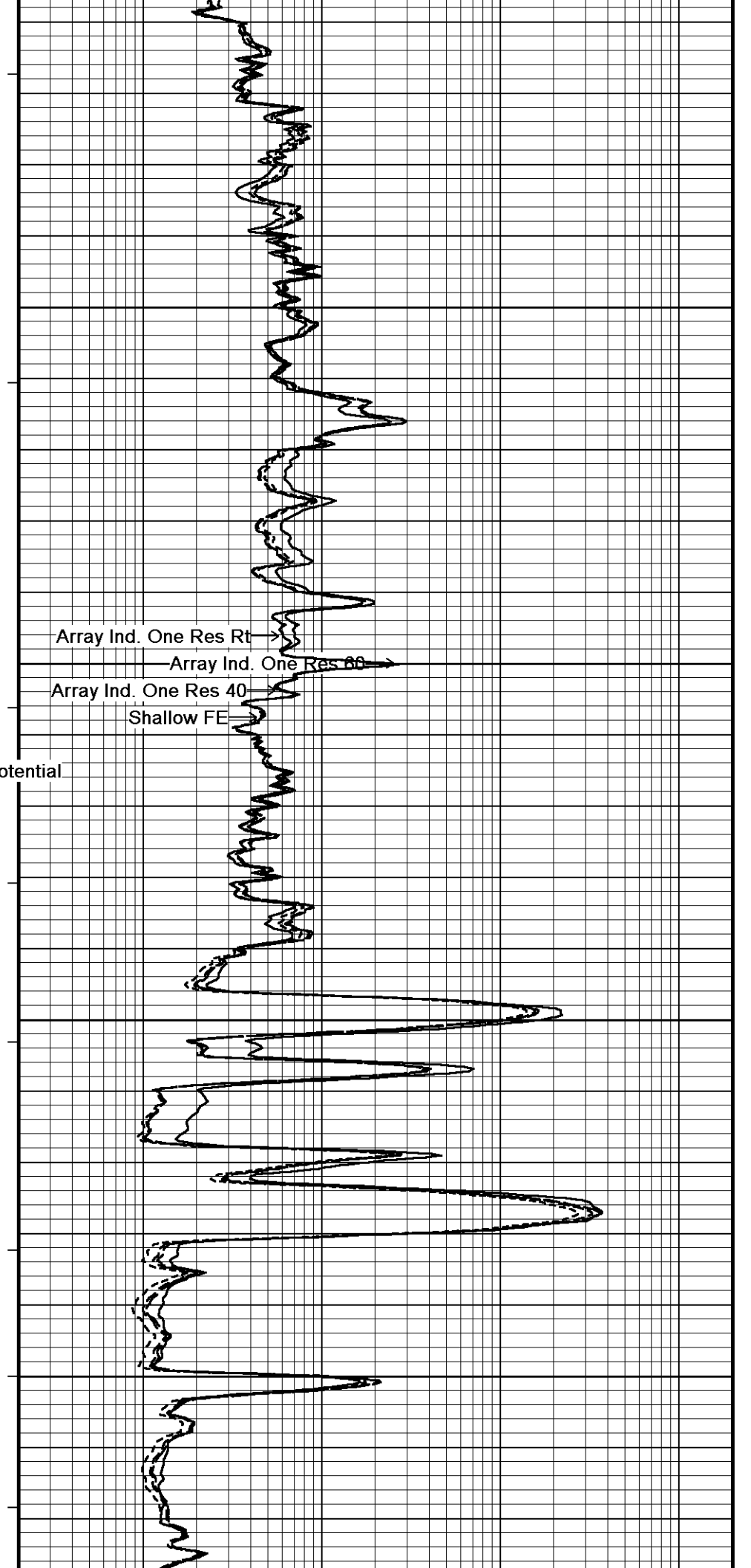
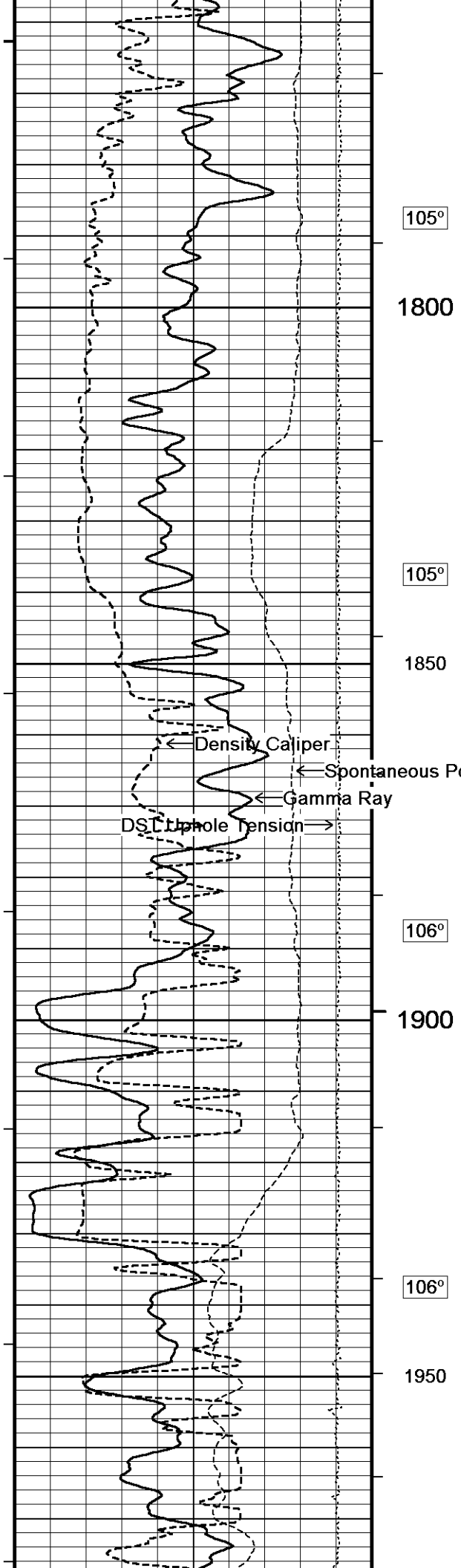












105°

1800

105°

1850

106°

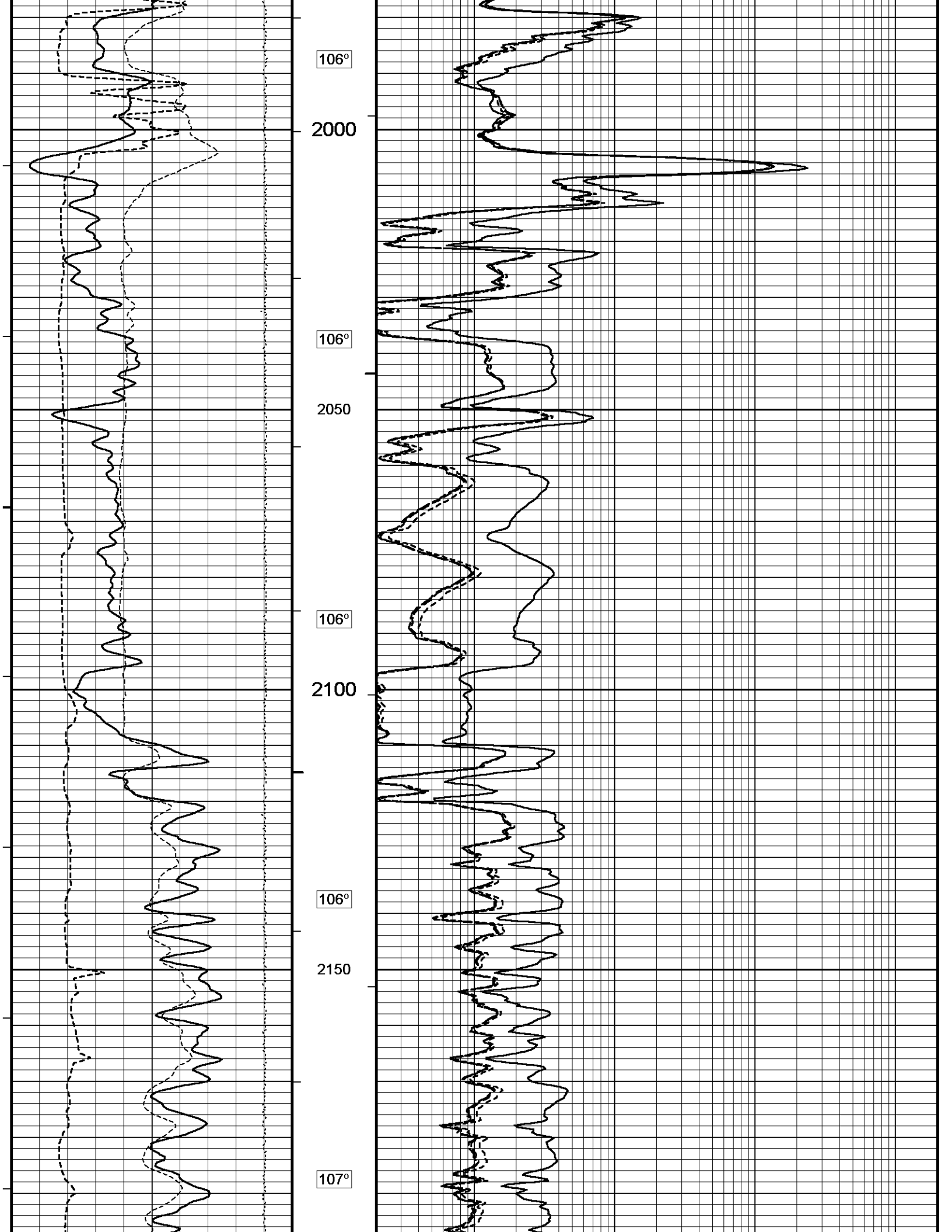
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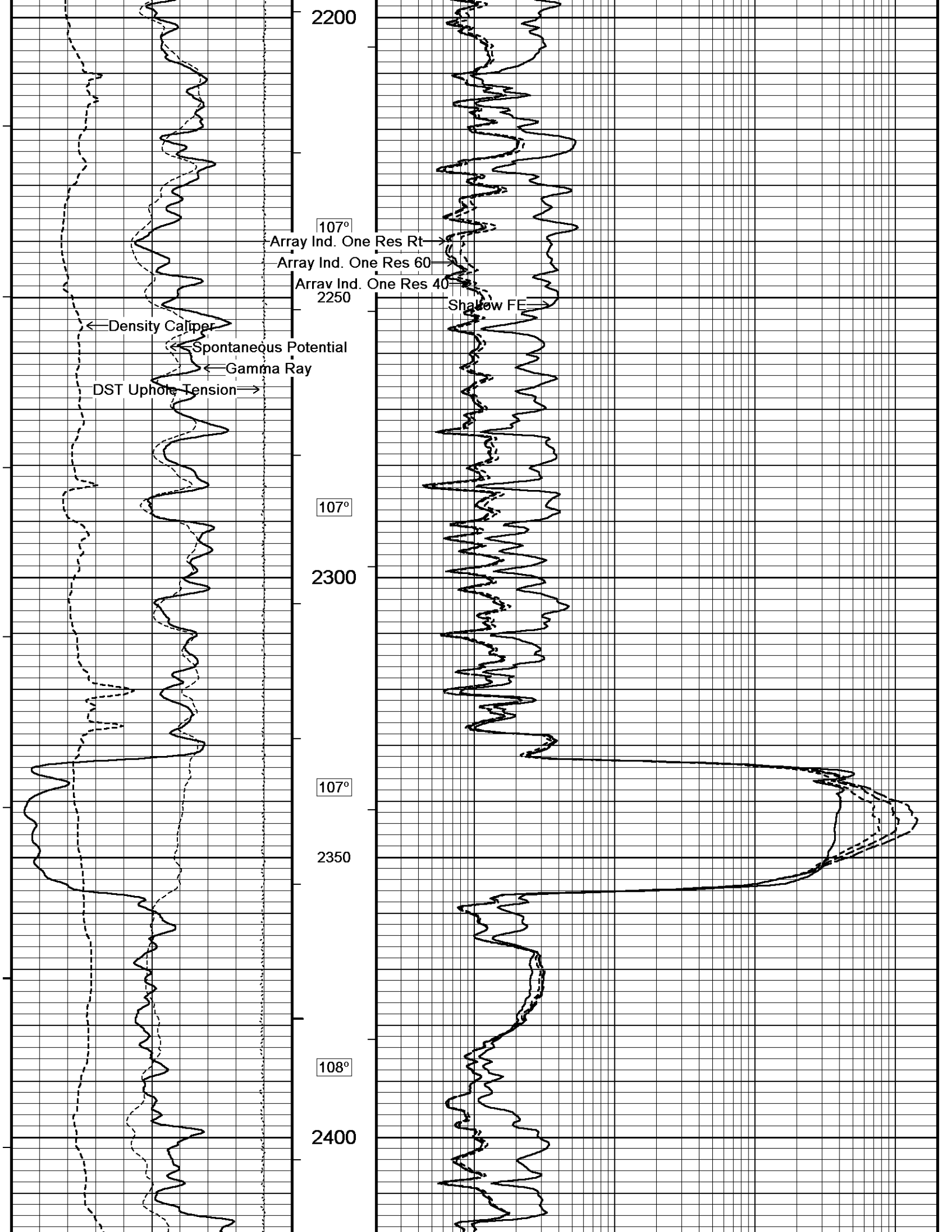
106°

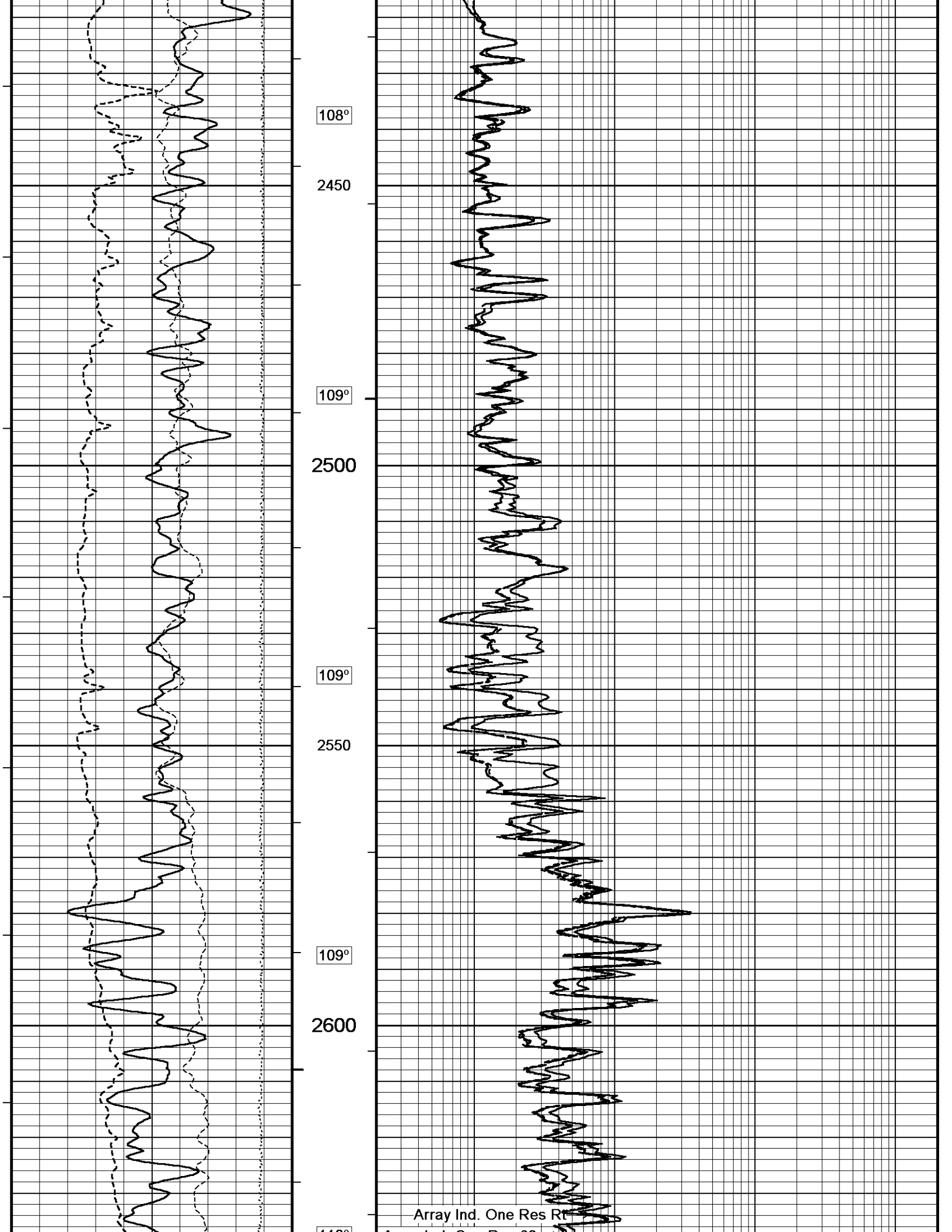
1950

Density Caliper ←
Spontaneous Potential ←
Gamma Ray ←
DST Well Tension →

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







108°

2450

109°

2500

109°

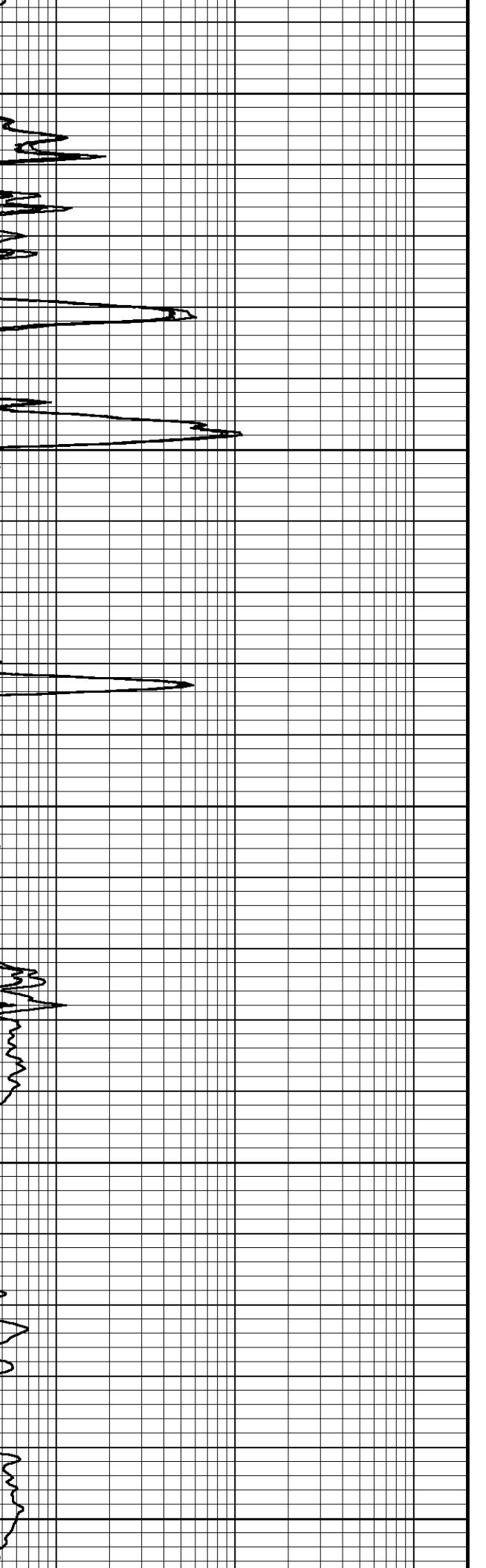
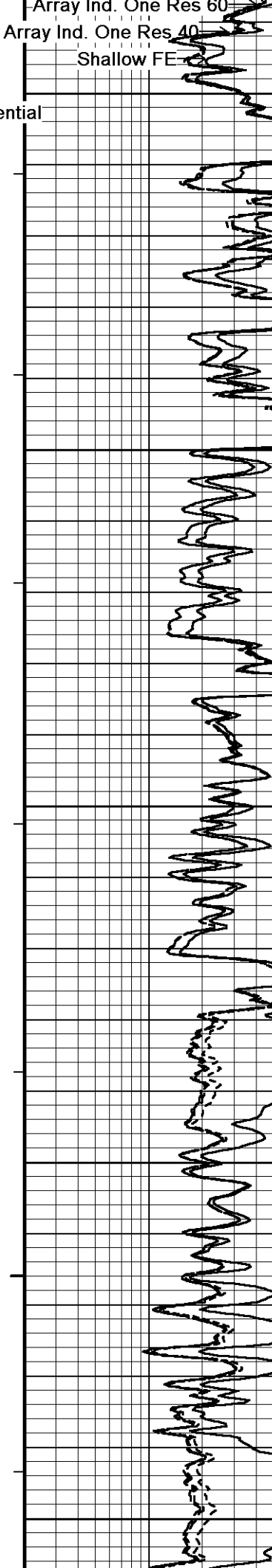
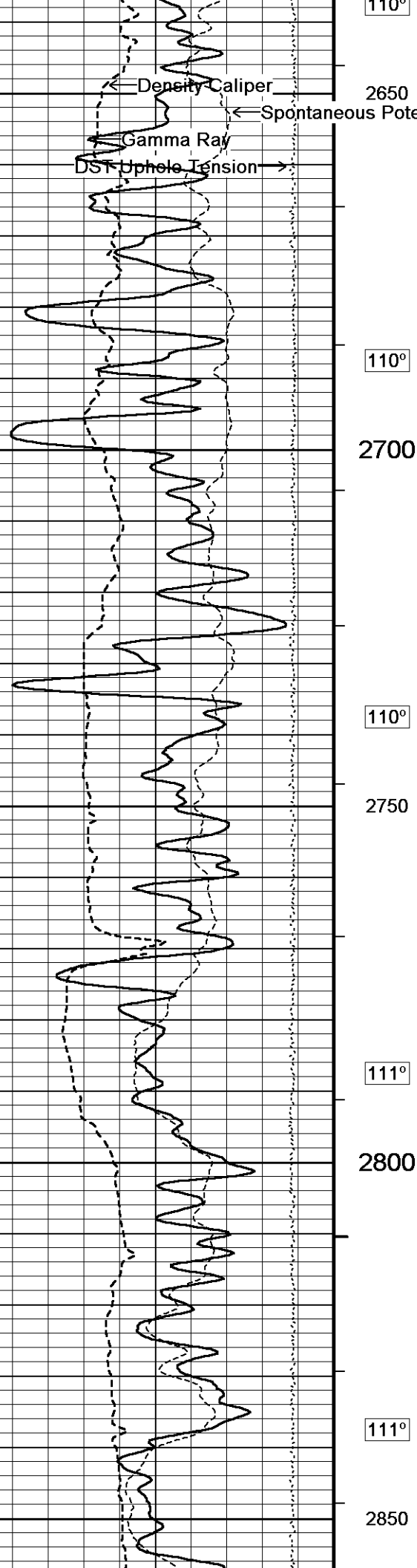
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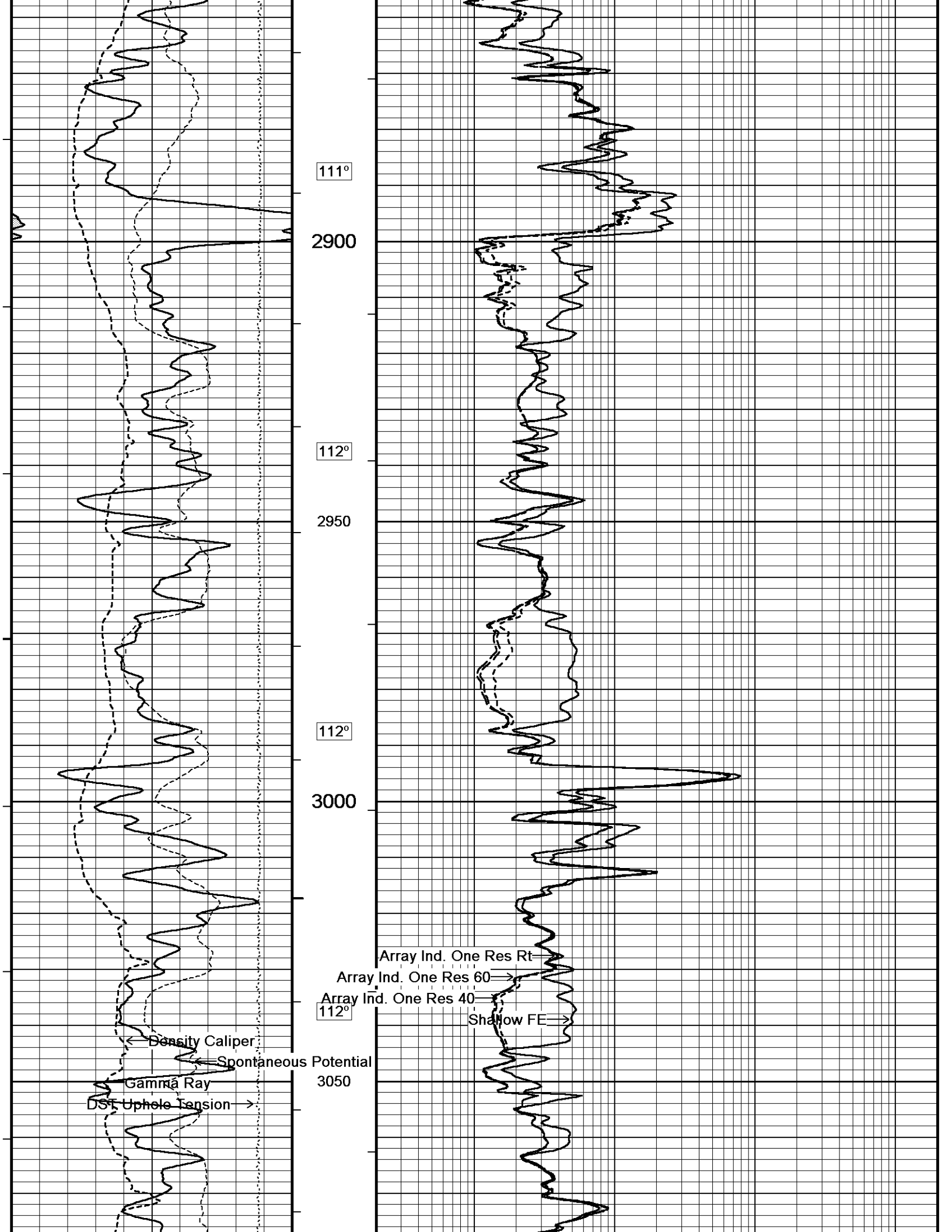
109°

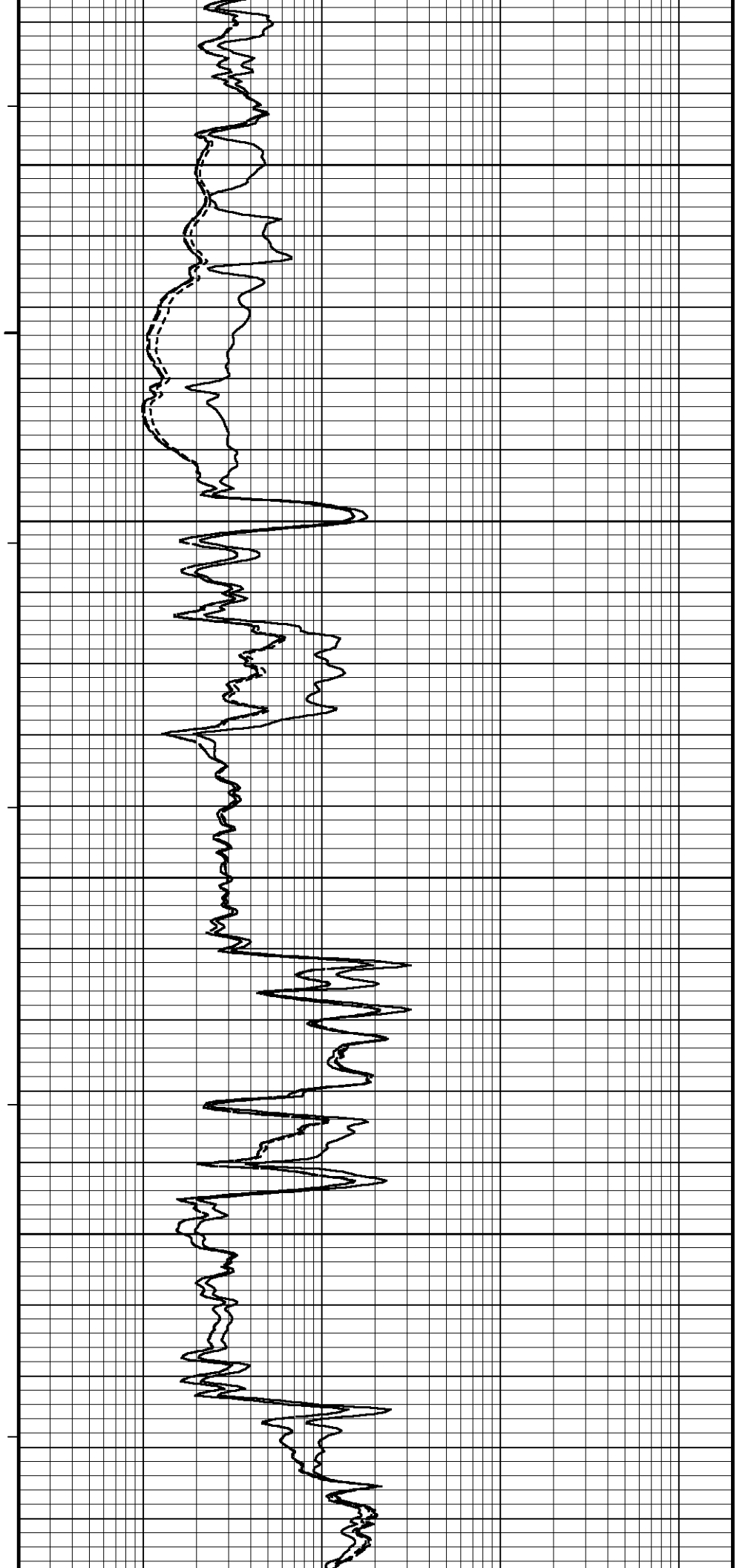
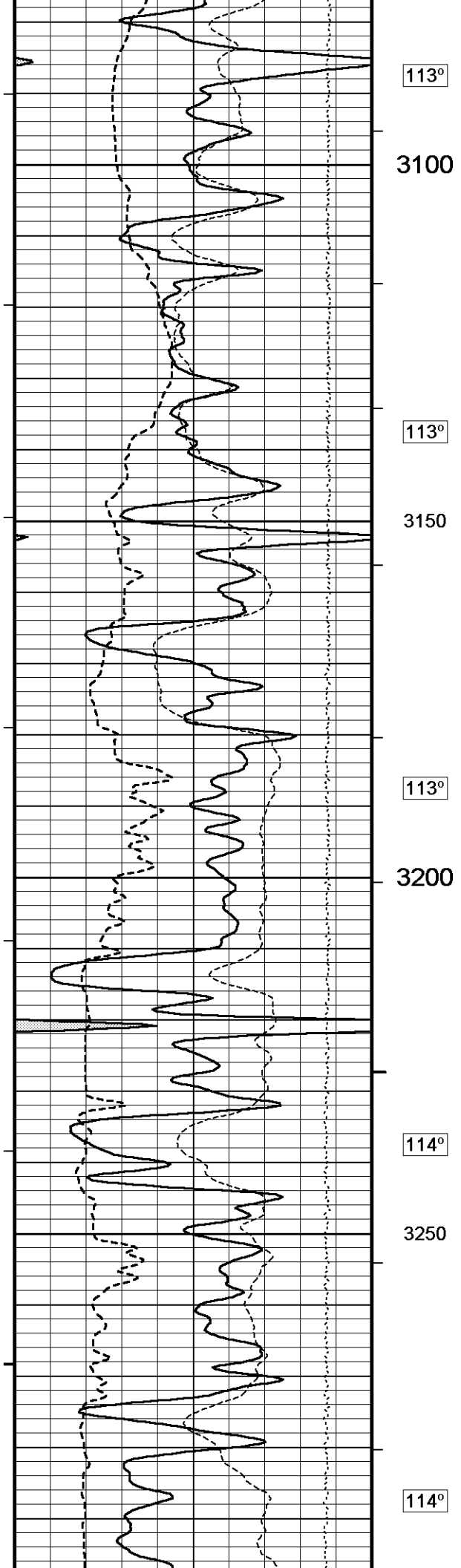
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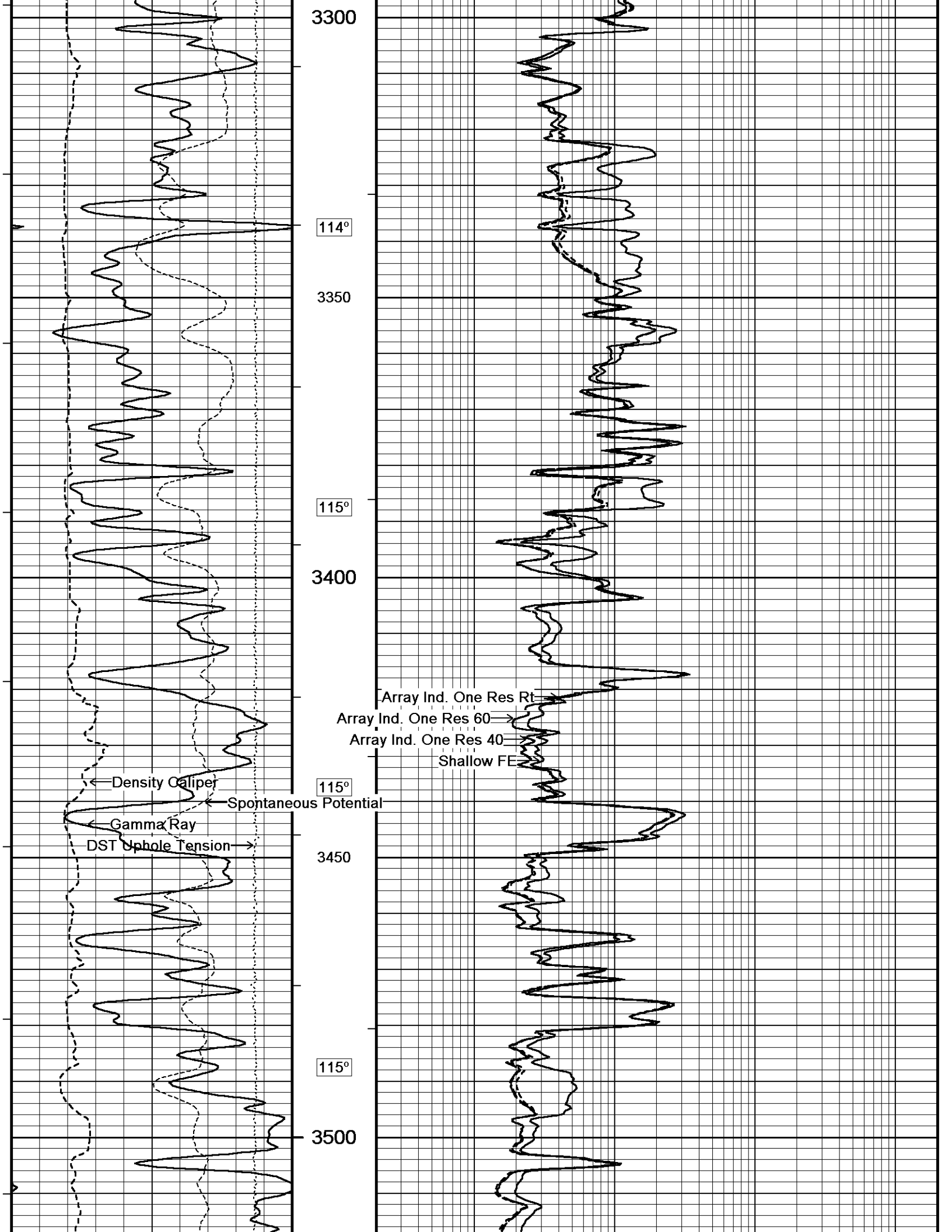
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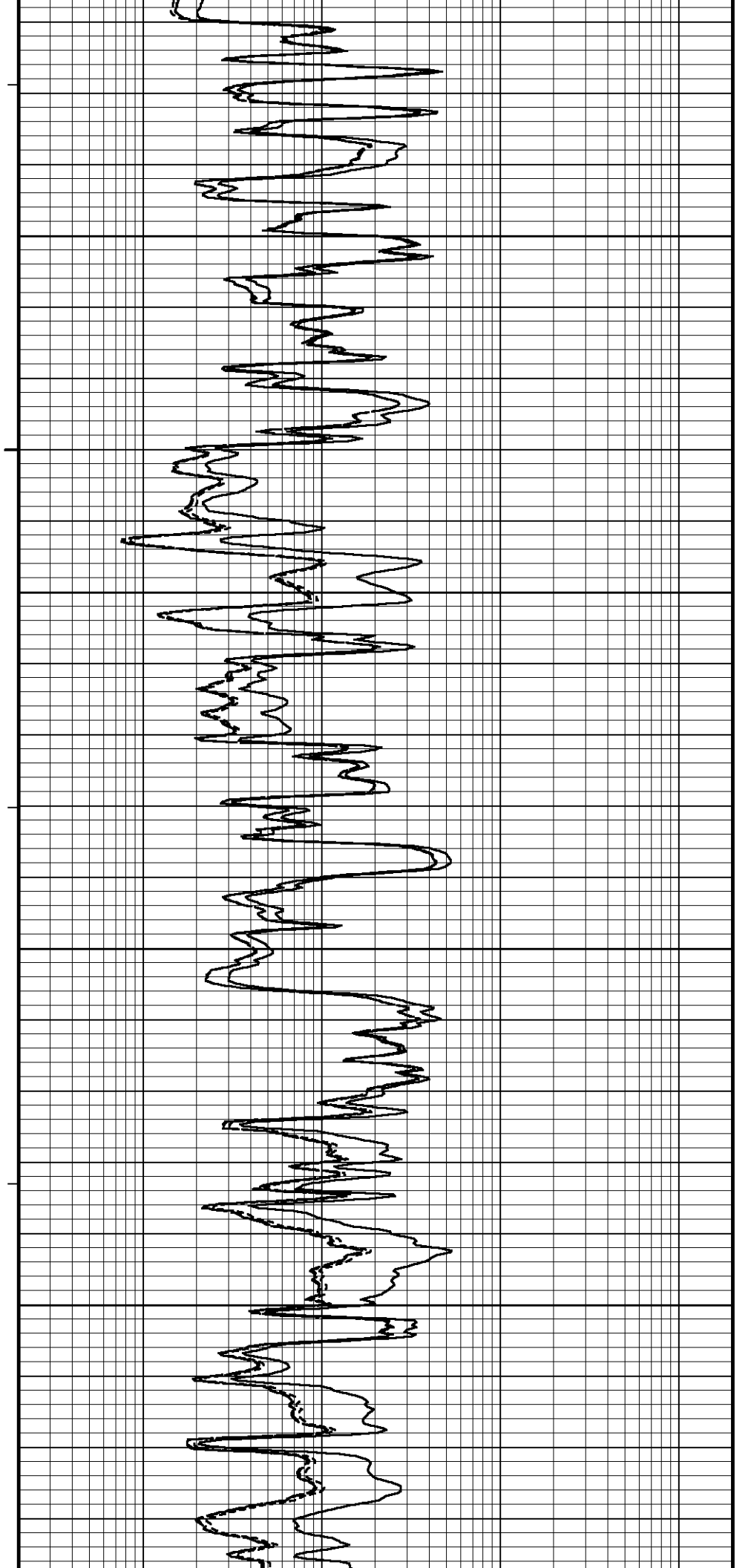
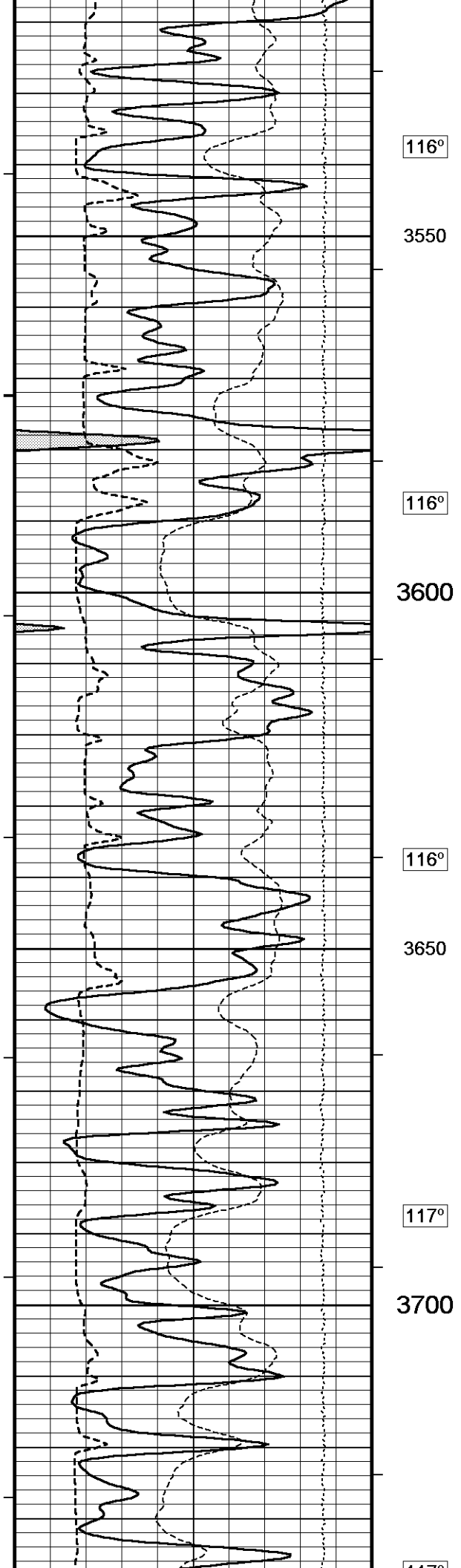
Array Ind. One Res Rt

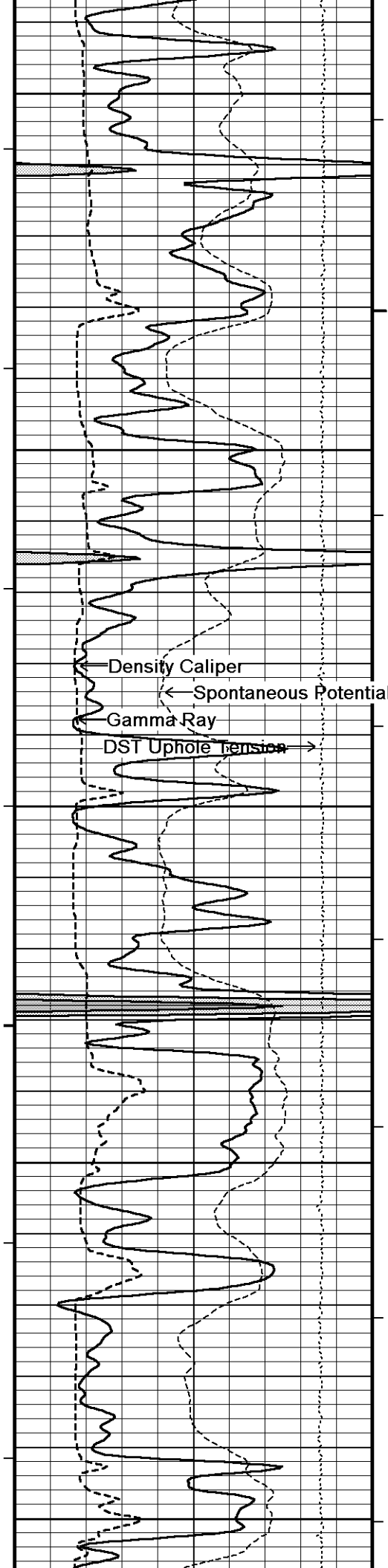




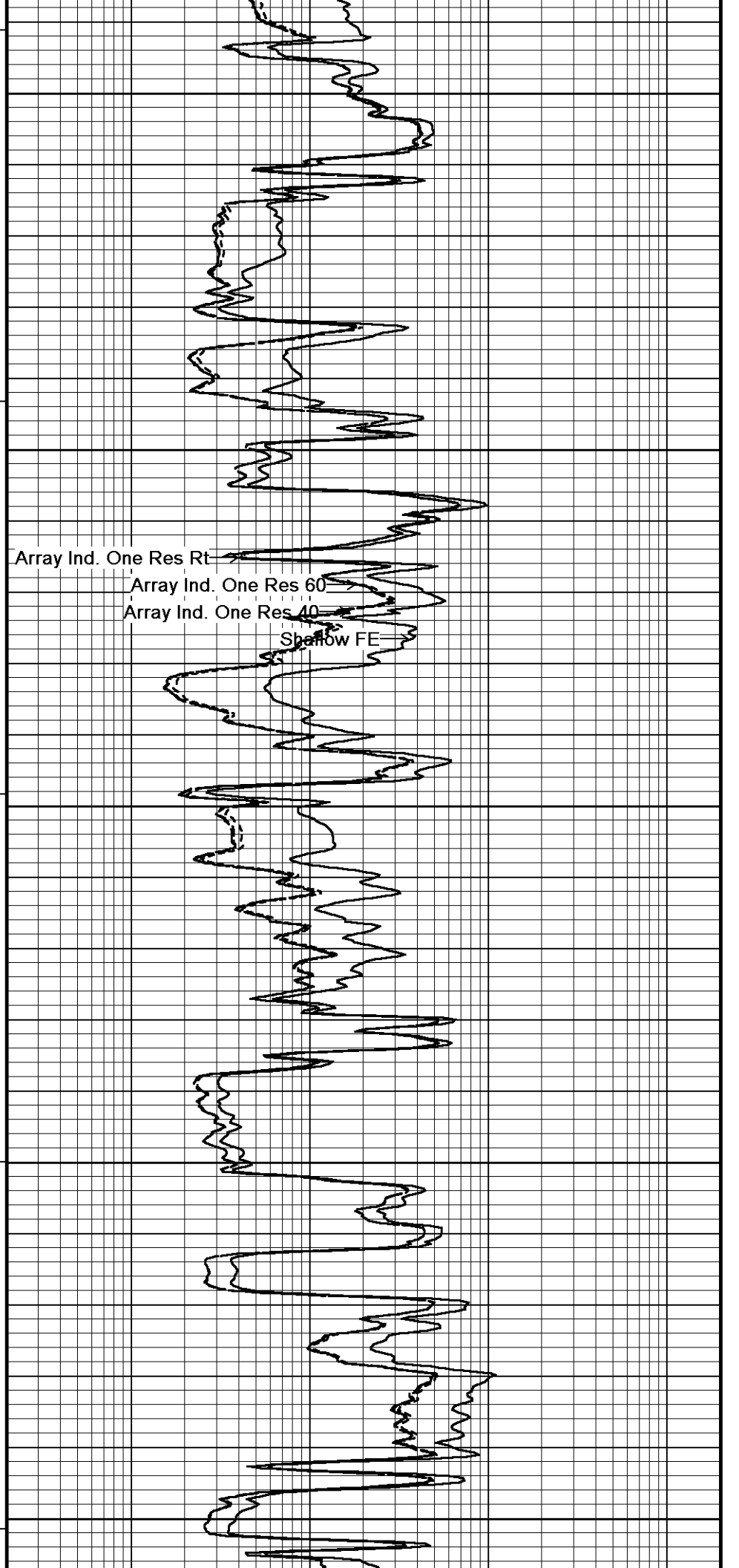




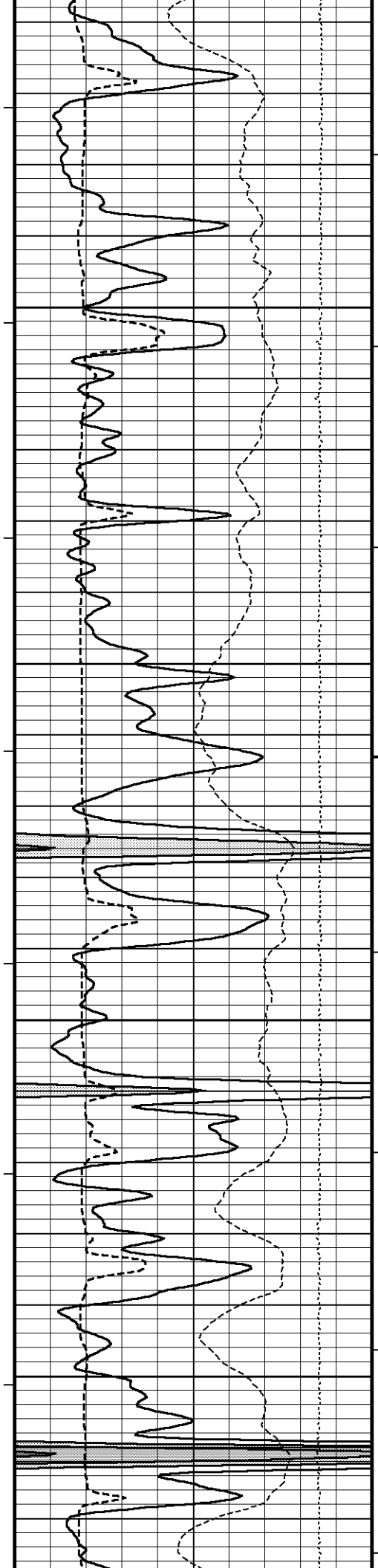




117°
3750
117°
3800
118°
3850
118°
3900
119°
3950



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



119°

4000

119°

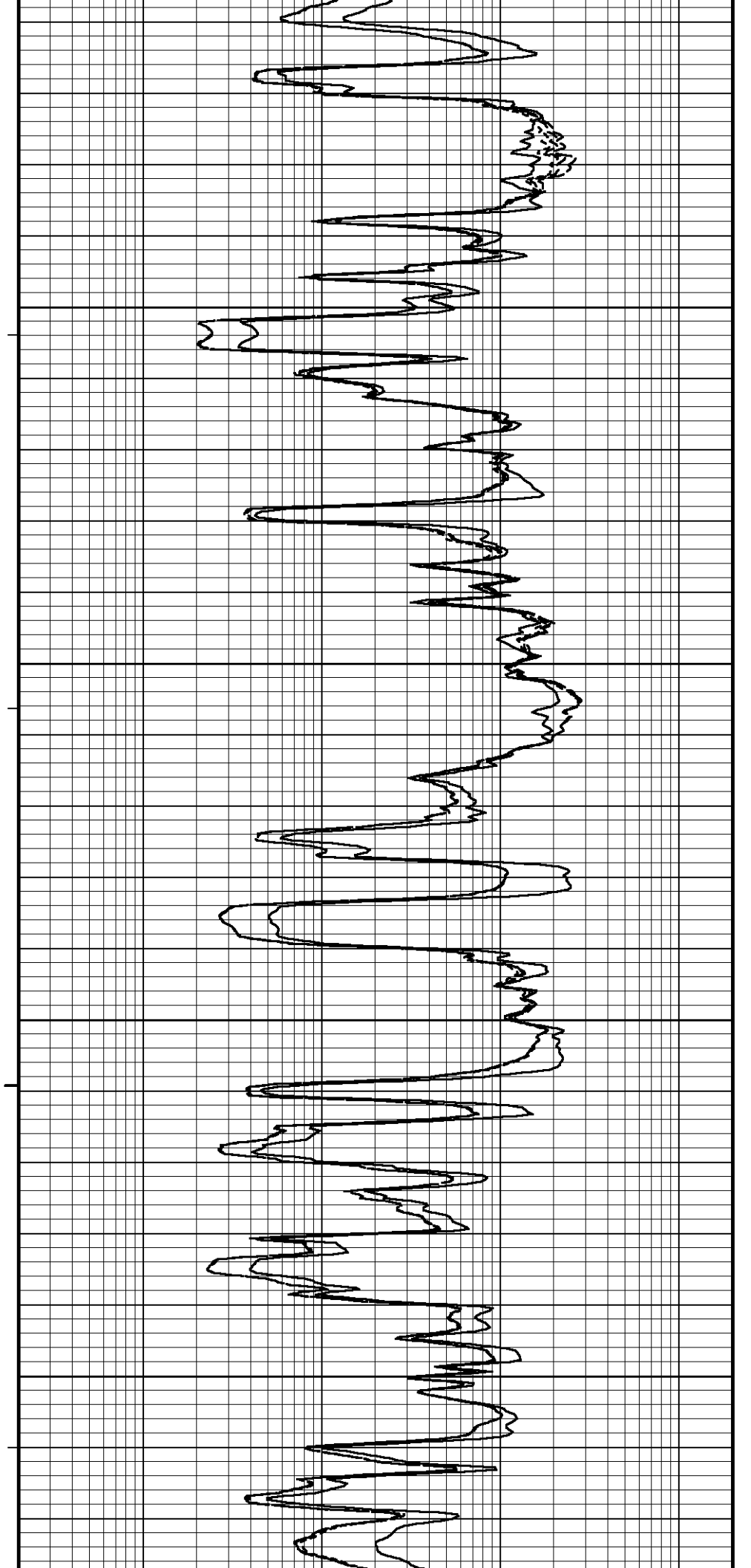
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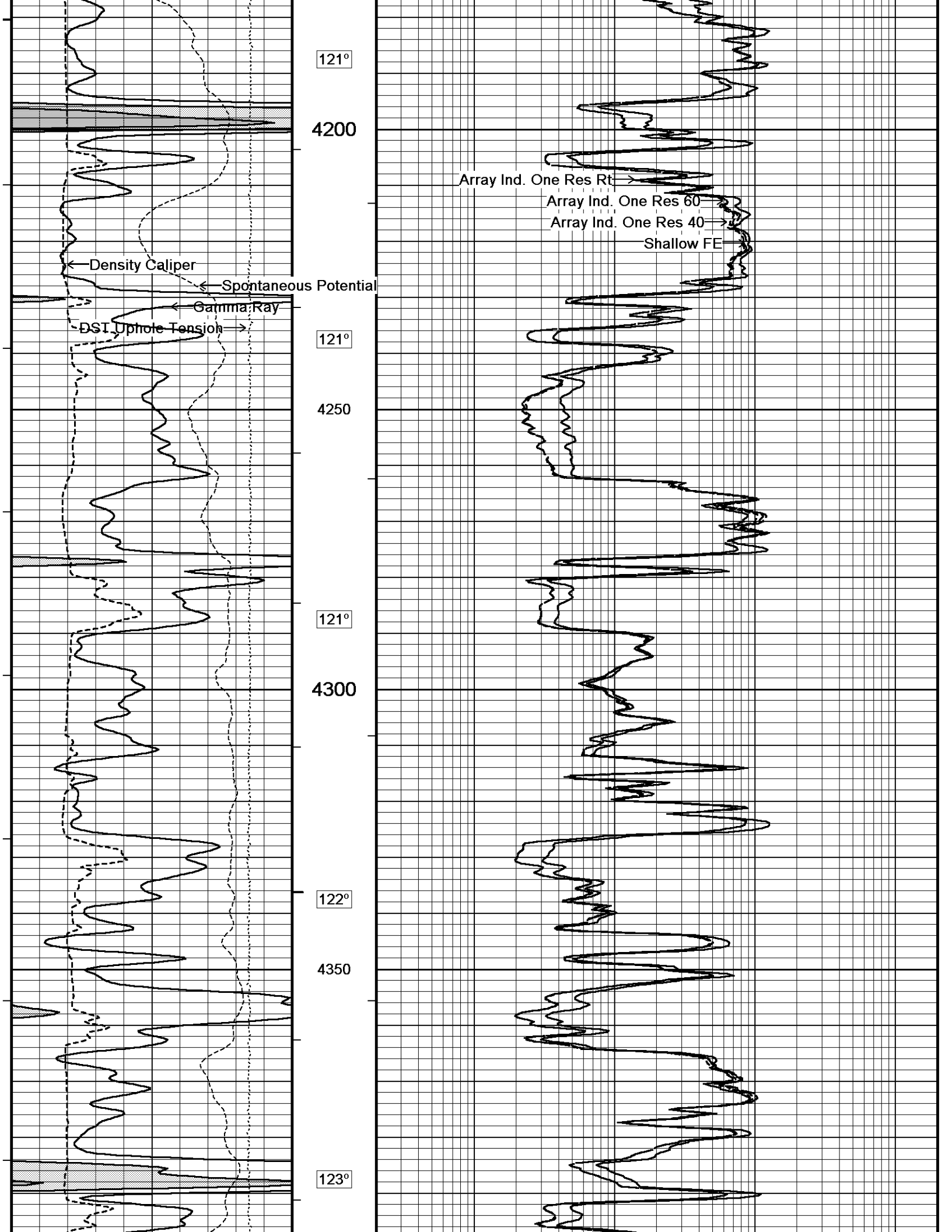
120°

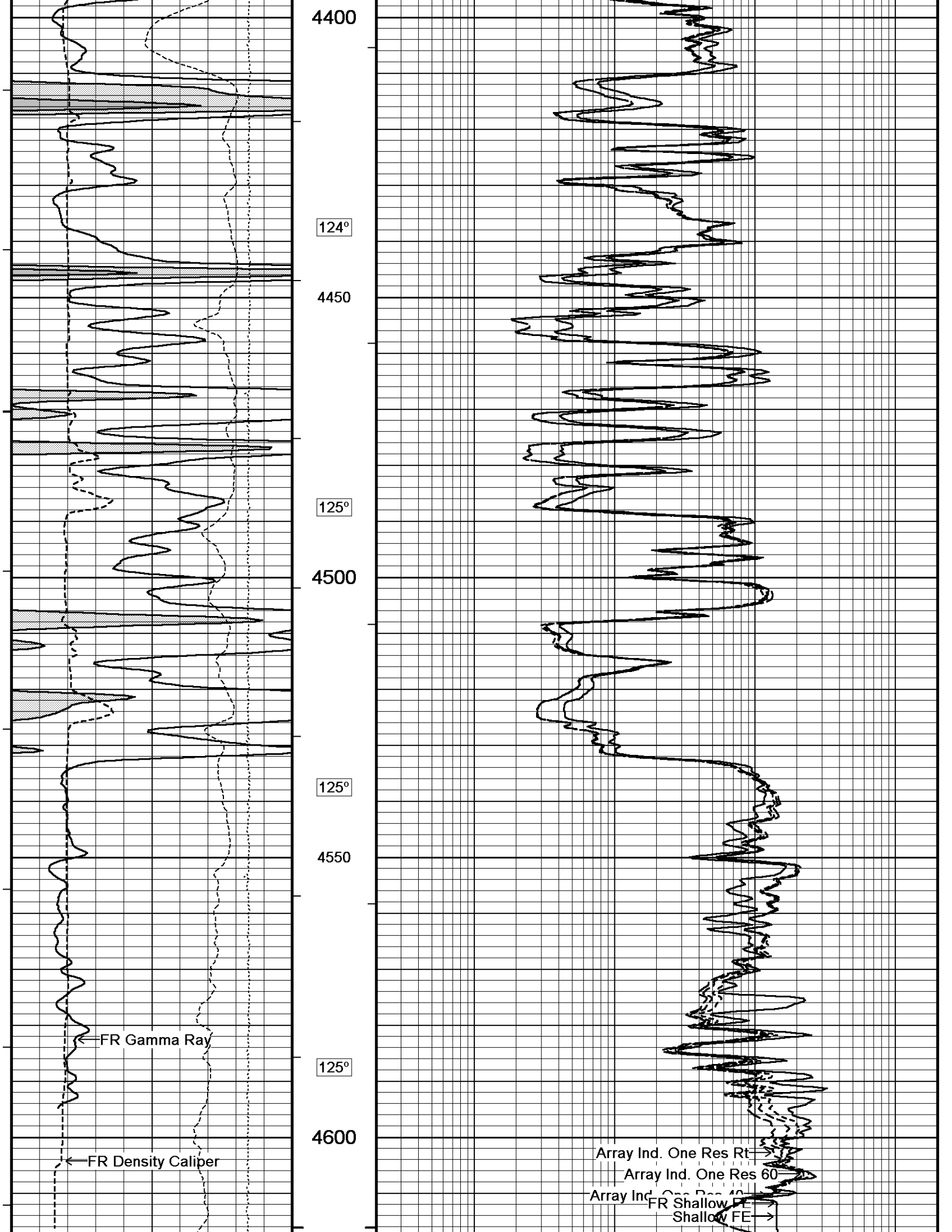
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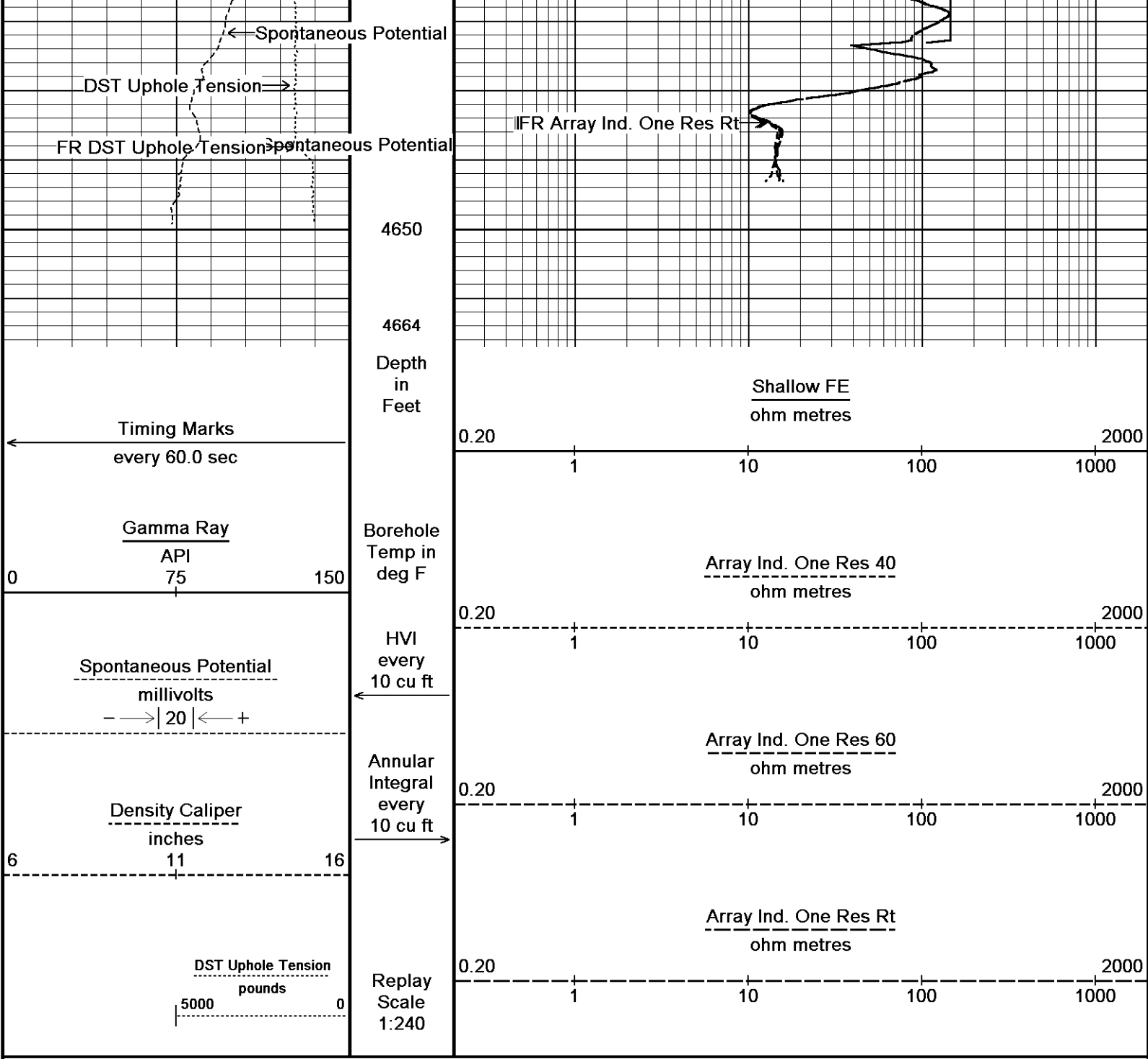
120°

4150





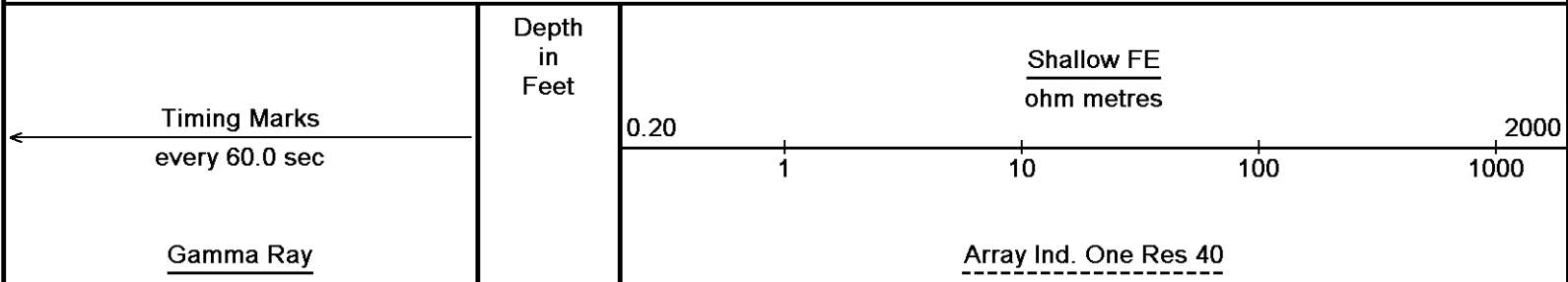


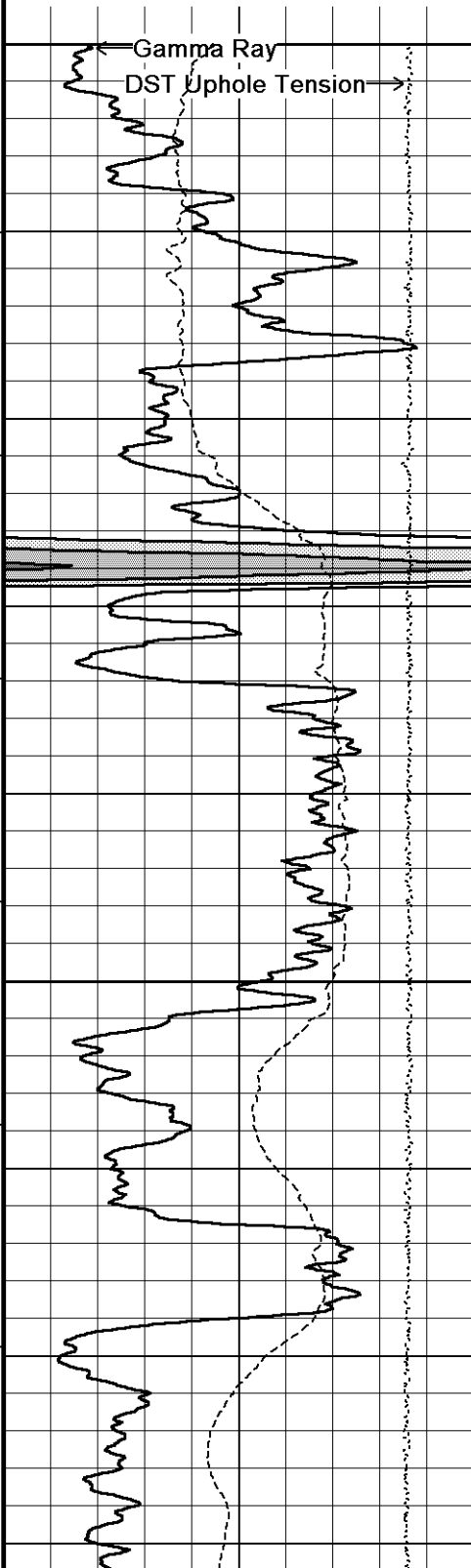
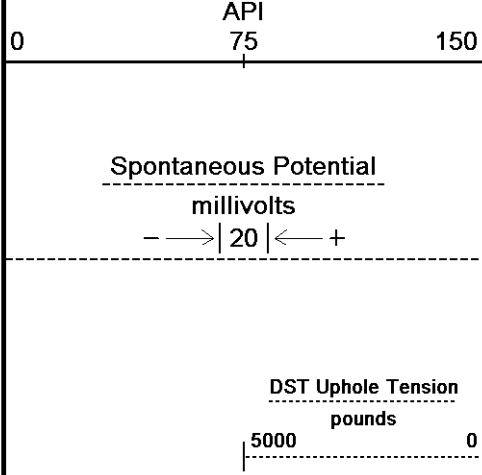


↑ **5 INCH MAIN PASS** ↑

↓ **10 INCH HI RESOLUTION** ↓

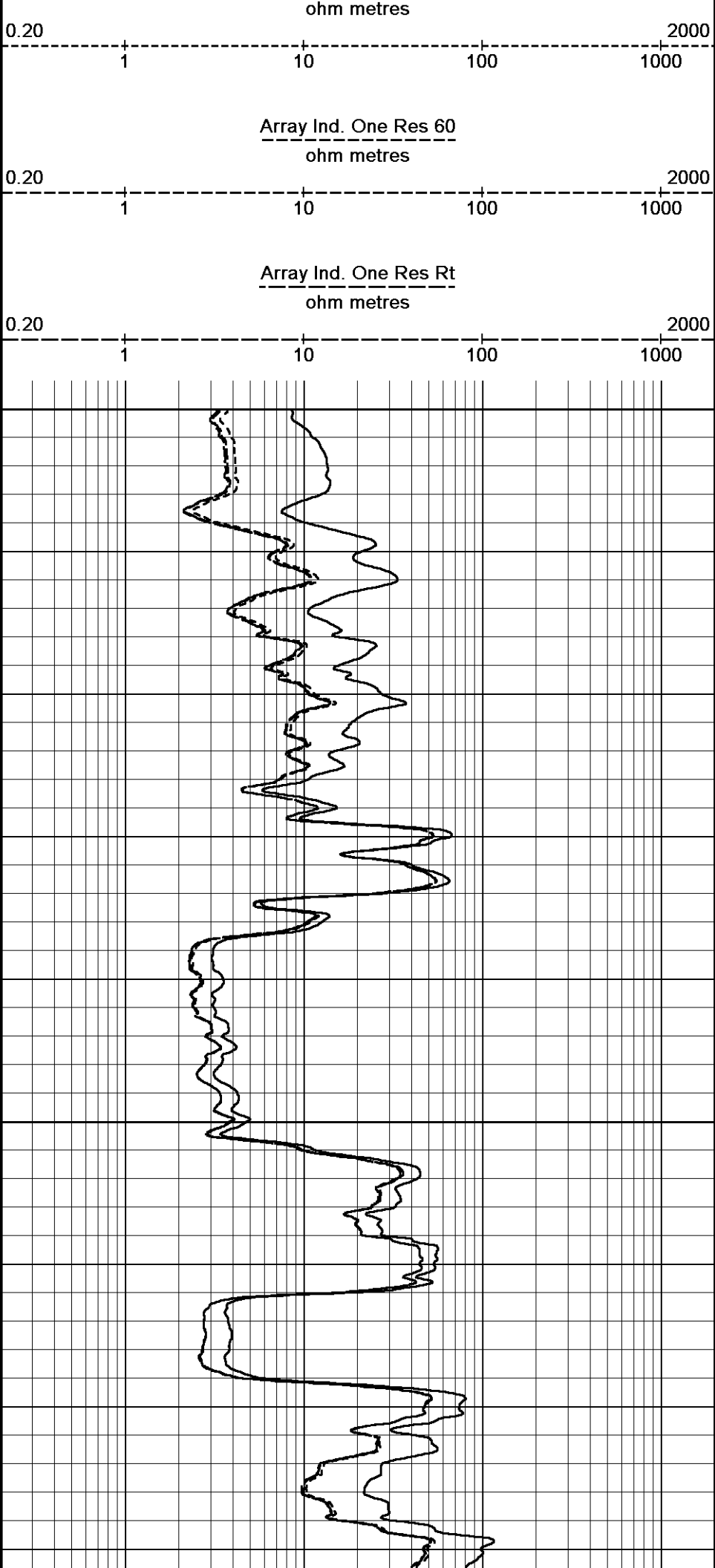
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 Plotted on 04-JUN-2012 02:26
 Filename: C:\Minimus 11.03.4044\Data\Gran...\Grand Mesa Operating Company Phillip # 1-26_006.dta
 Recorded on 03-JUN-2012 23:05
 System Versions: Logged with 11.03.4044 Processed with 11.03.4044 Plotted with 11.03.4044





Borehole Temp in deg F

Replay Scale 1:120



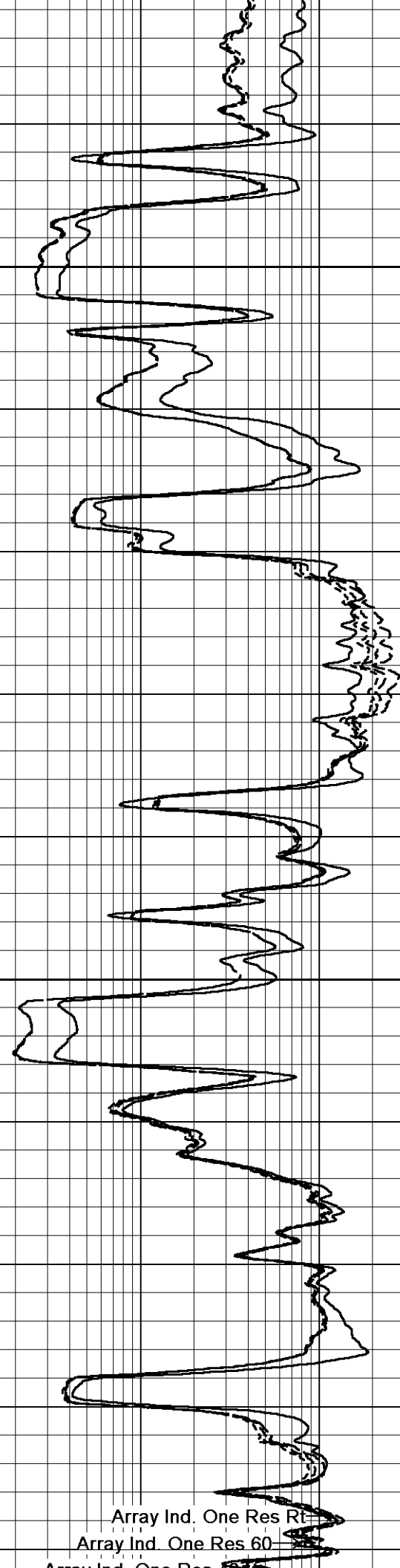
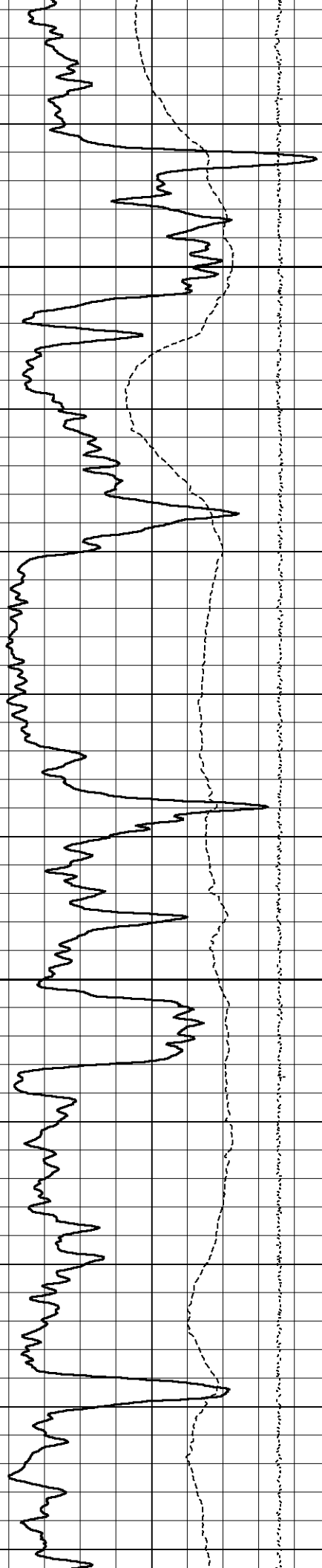
119°

3950

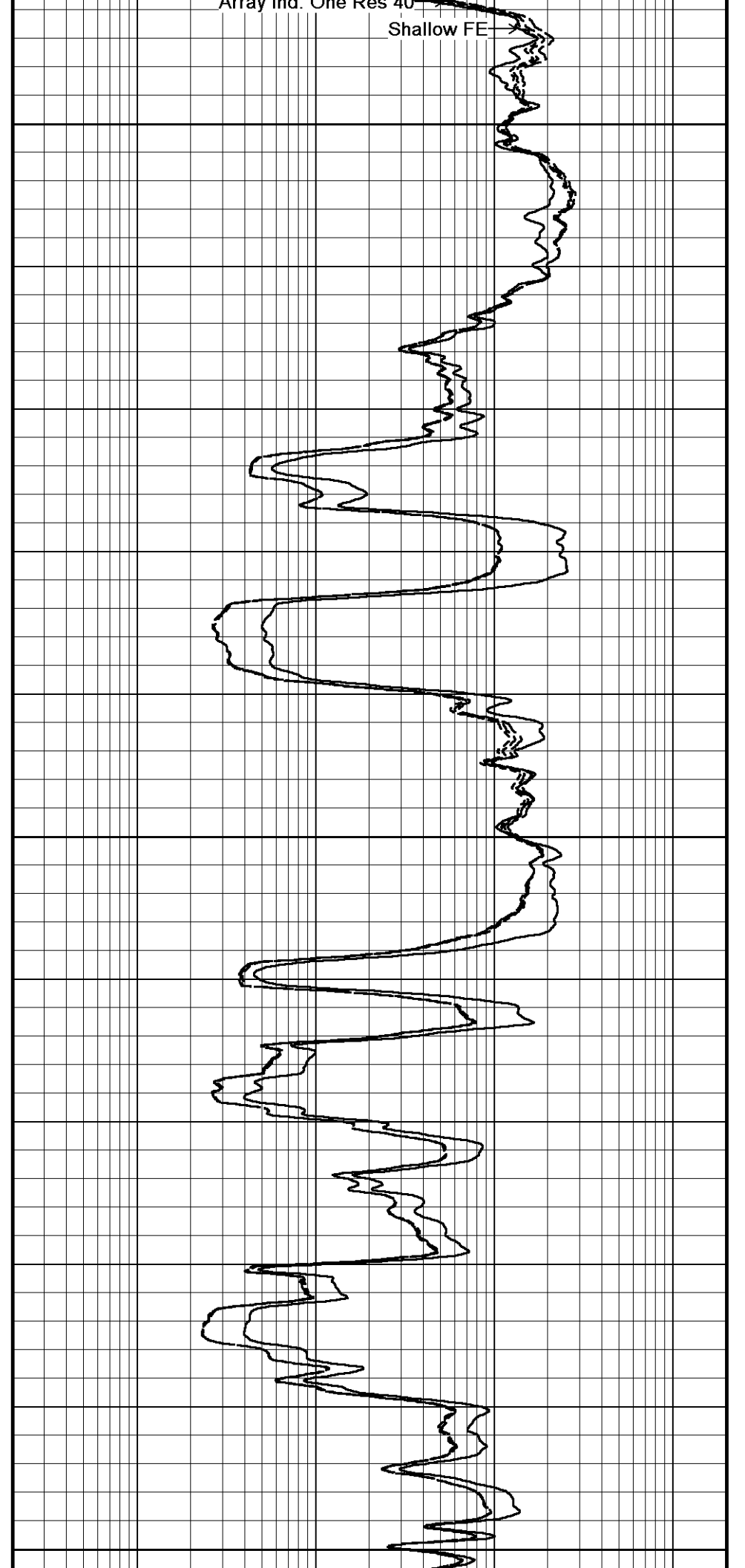
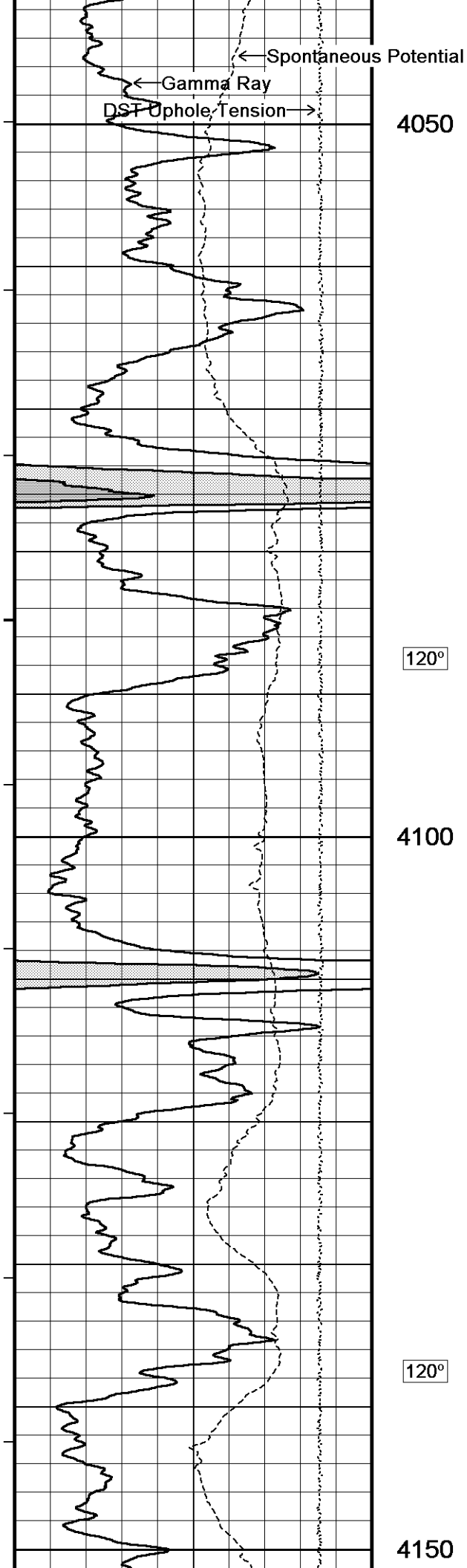
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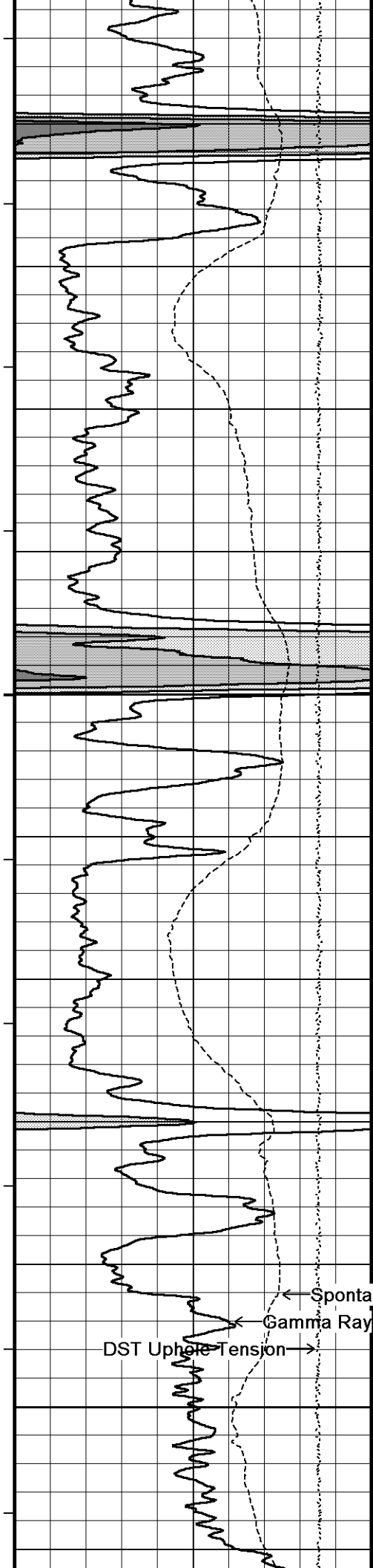
4000

120°



Array Ind. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 60





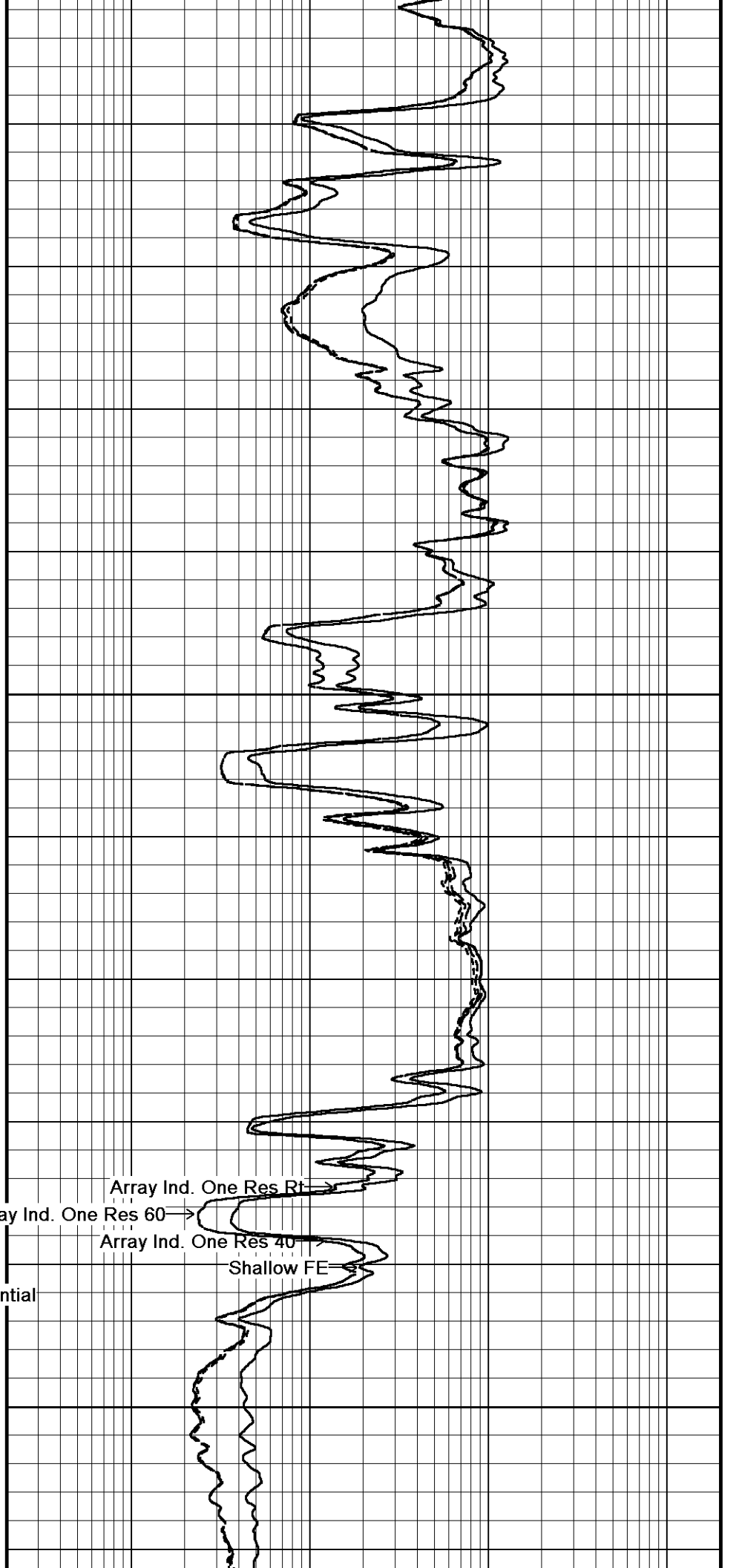
121°

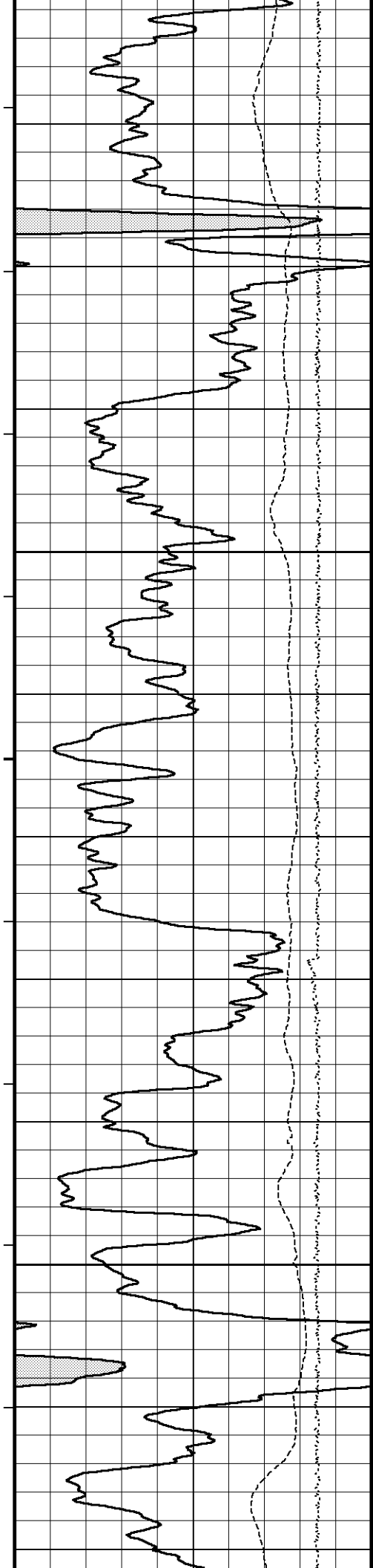
4200

121°

4250

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



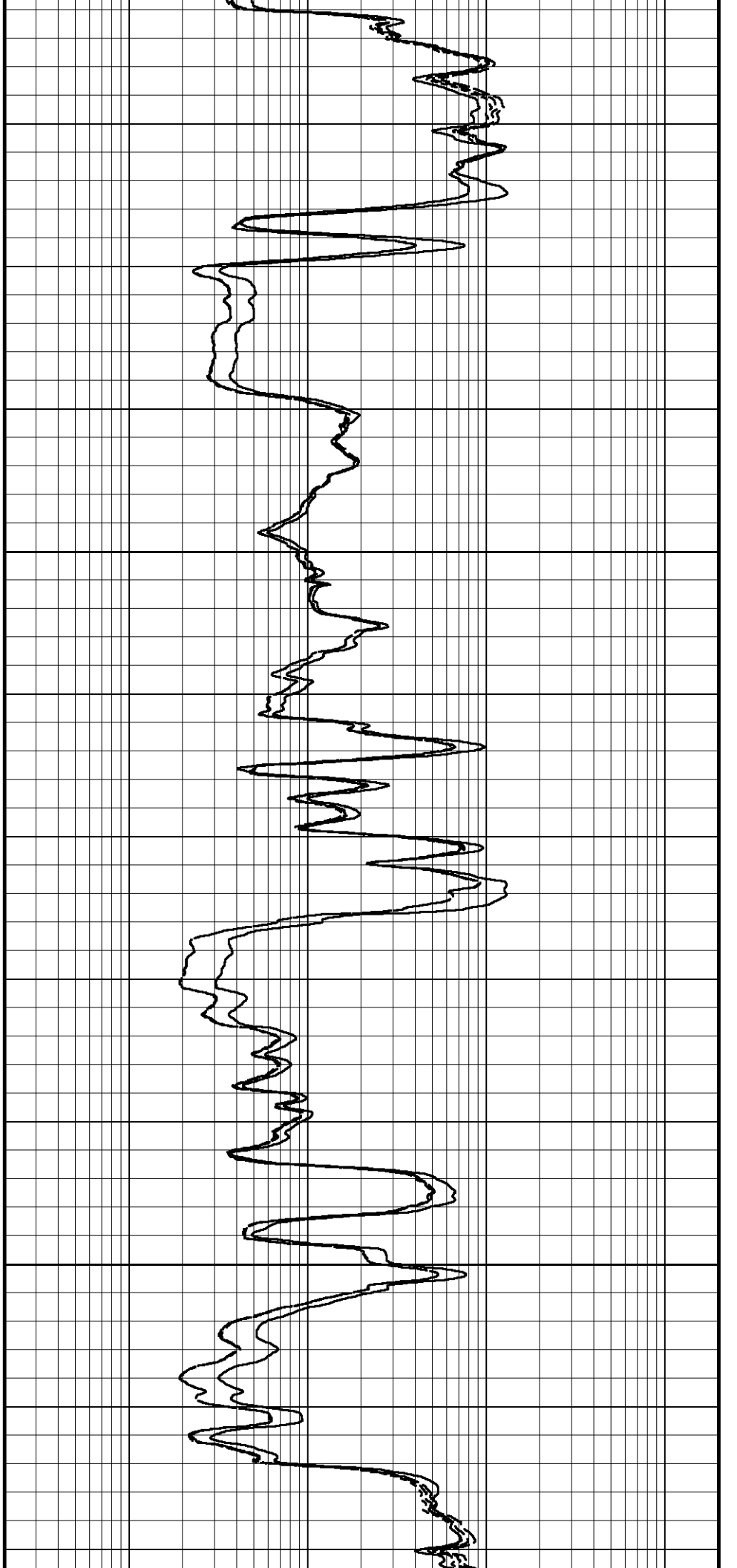


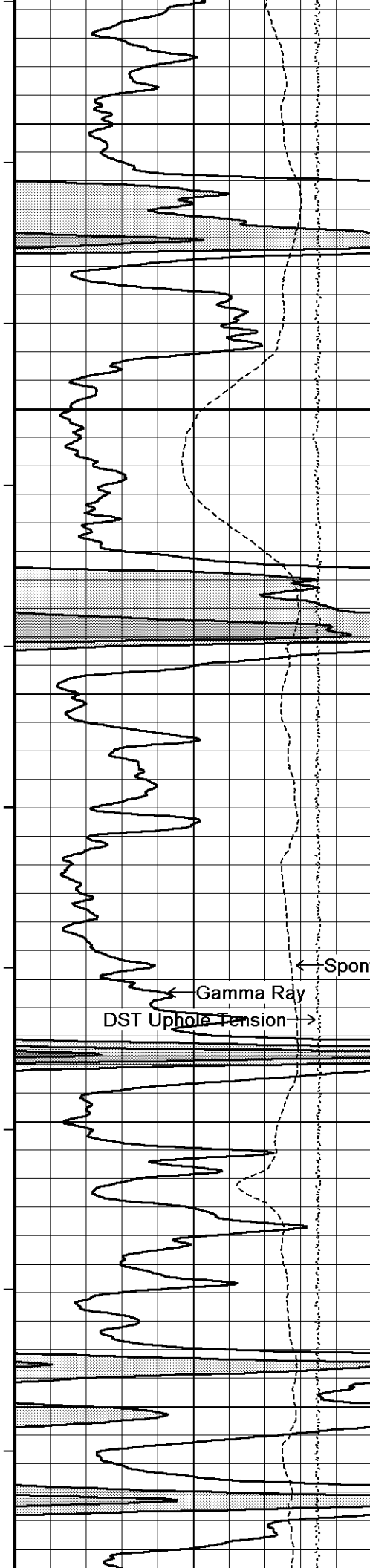
122°

4300

122°

4350





123°

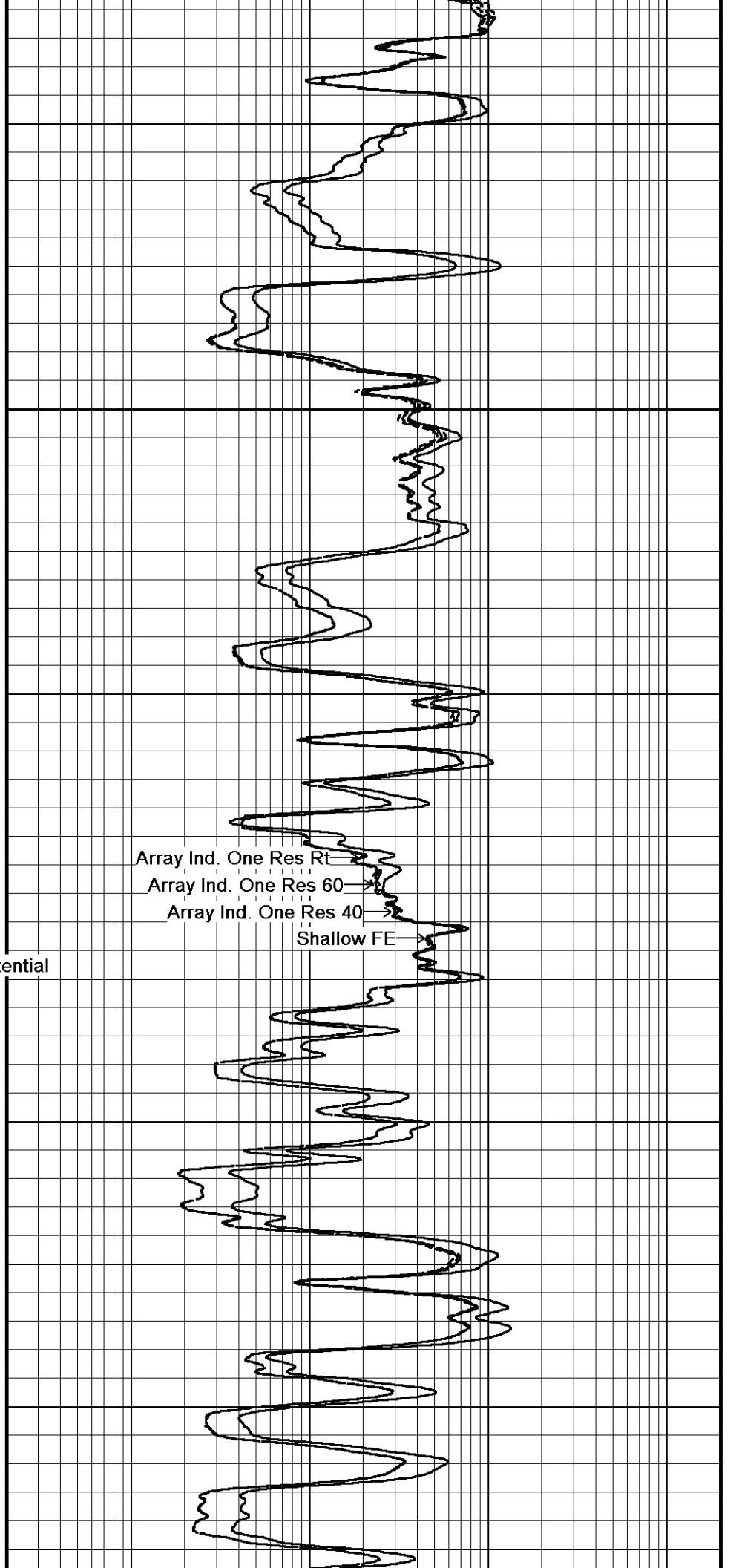
4400

124°

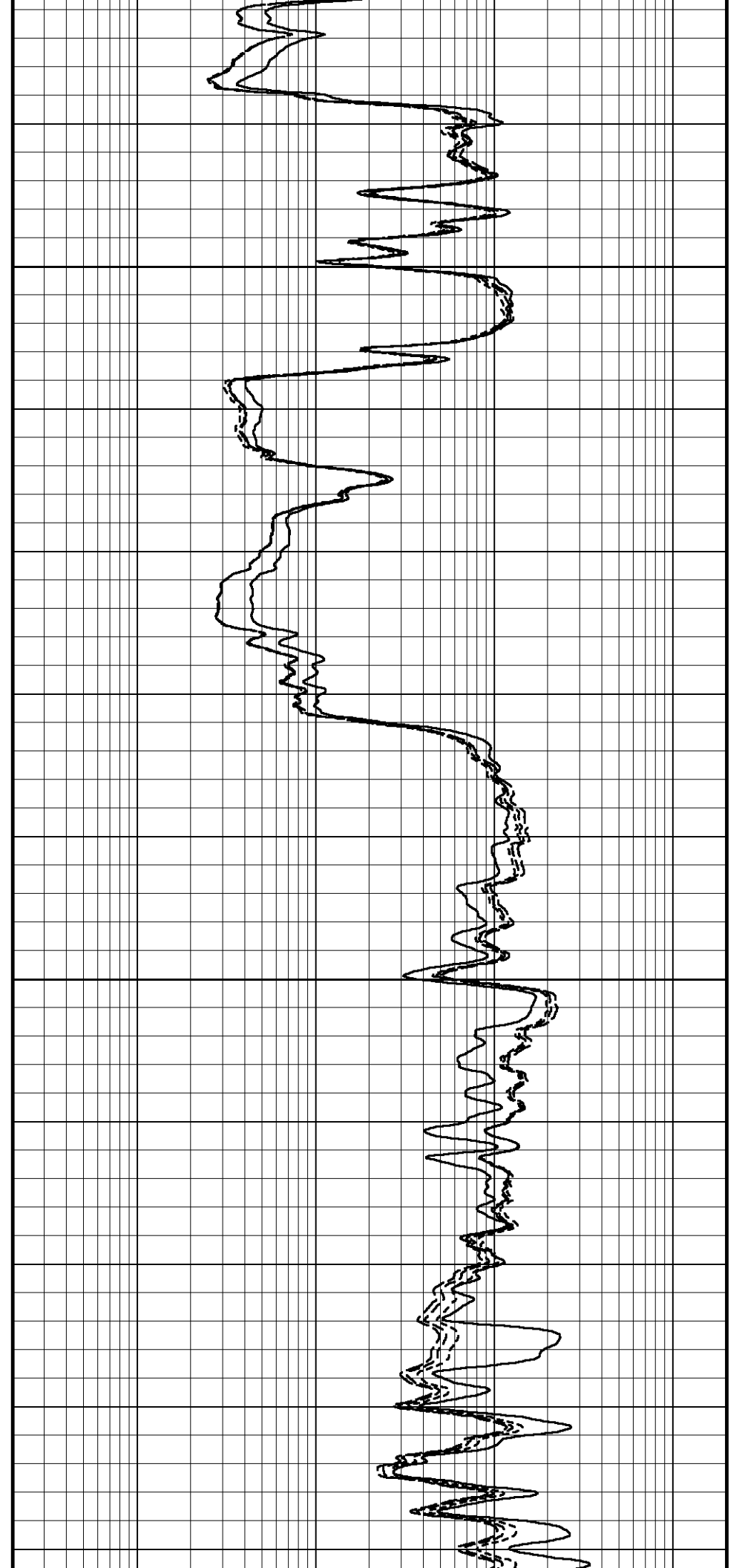
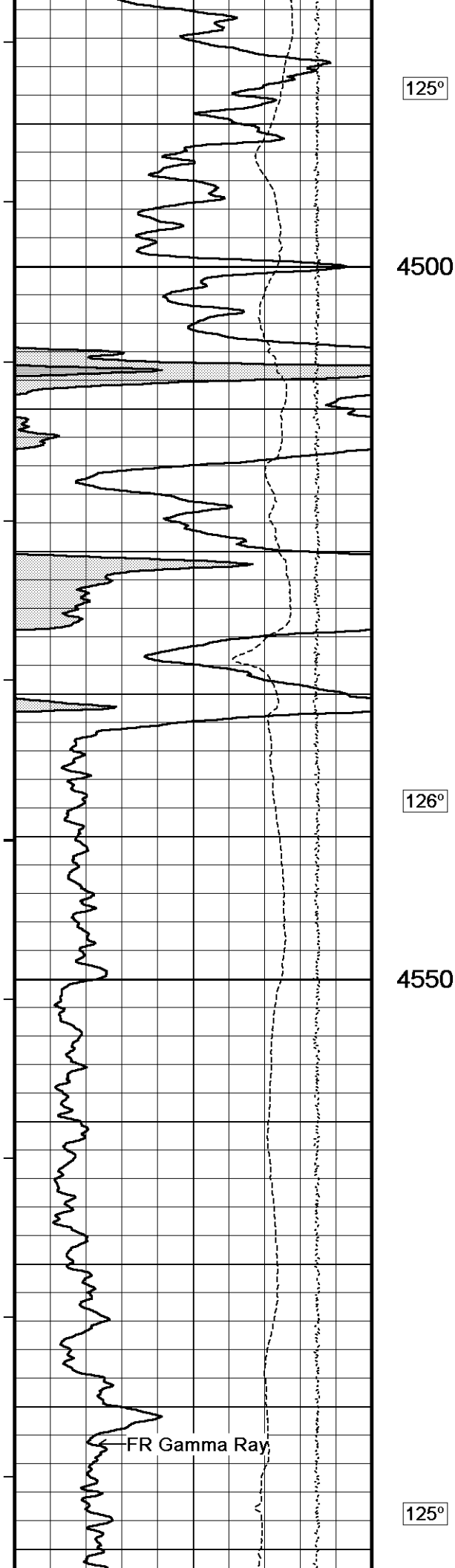
← Spontaneous Potential

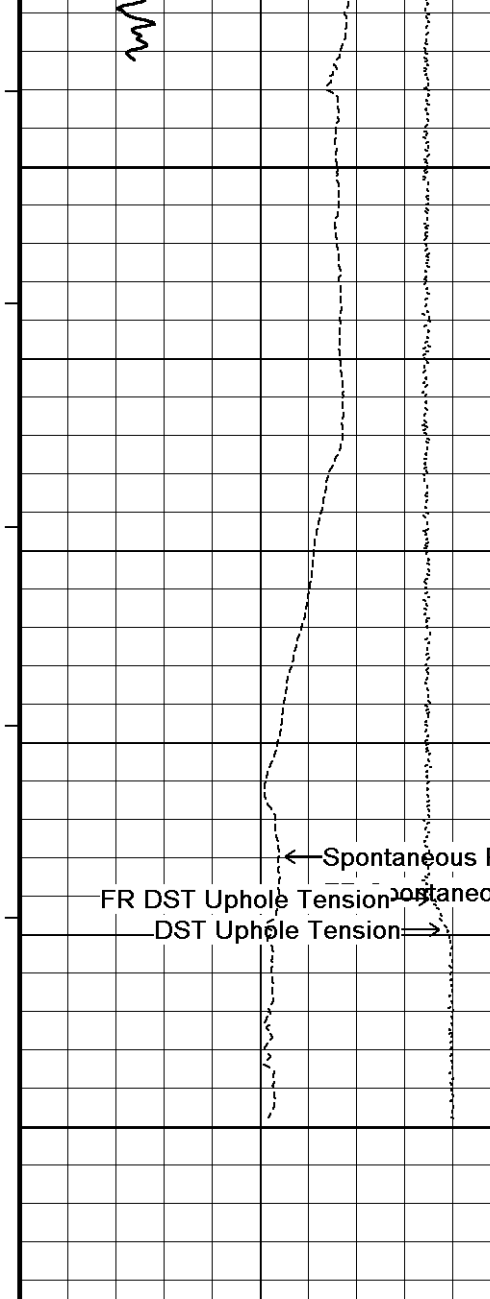
Gamma Ray
DST Uphole Tension →

4450



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





4600

4650

4658
 Depth
 in
 Feet

Borehole
 Temp in
 deg F

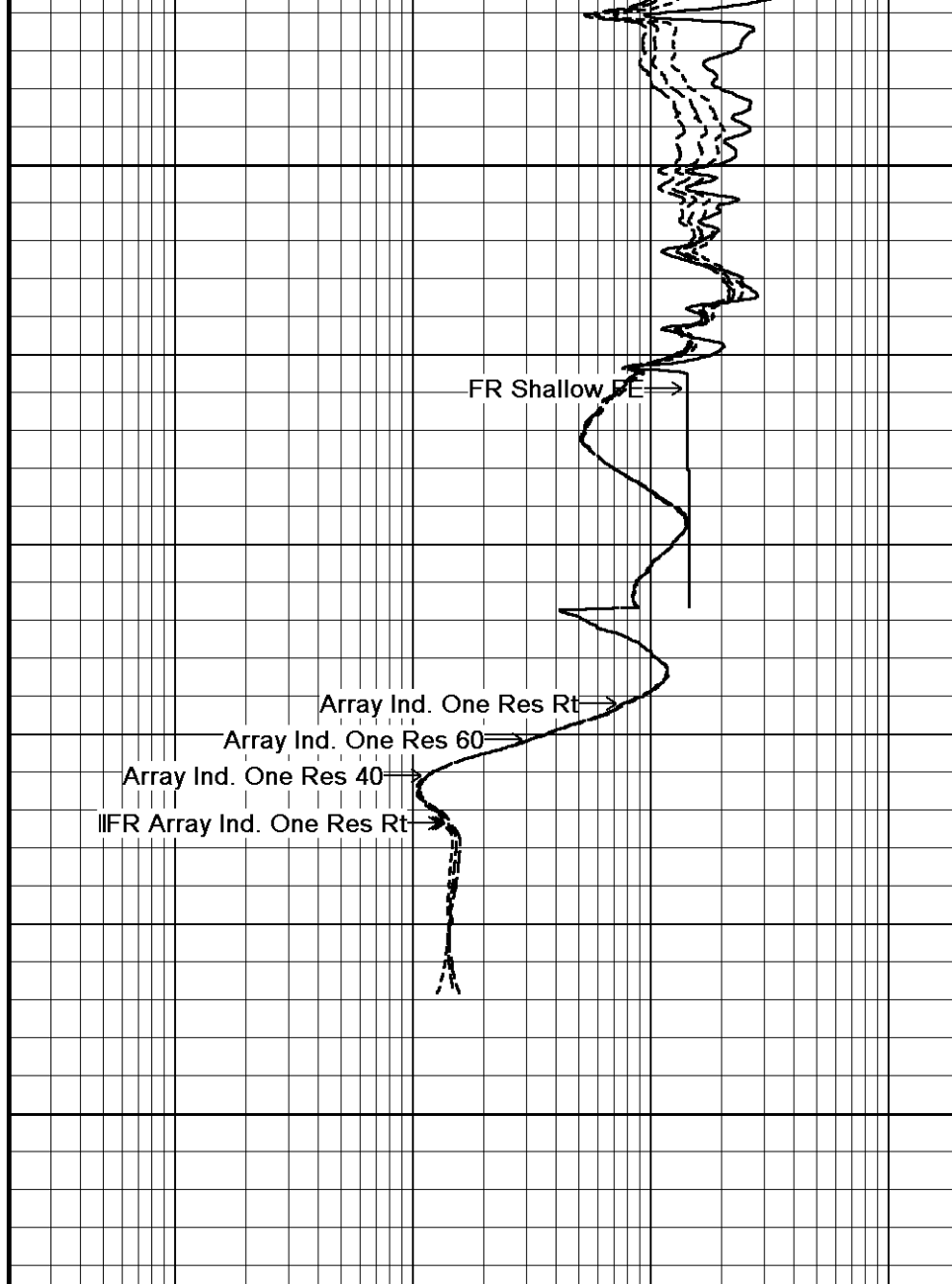
Replay
 Scale
 1:120

Timing Marks
 every 60.0 sec

Gamma Ray
 API
 0 75 150

Spontaneous Potential
 millivolts
 - - - - - | 20 | - - - - - +

DST Uphole Tension
 pounds
 5000 0



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

10 INCH HI RESOLUTION

5 INCH REPEAT PASS

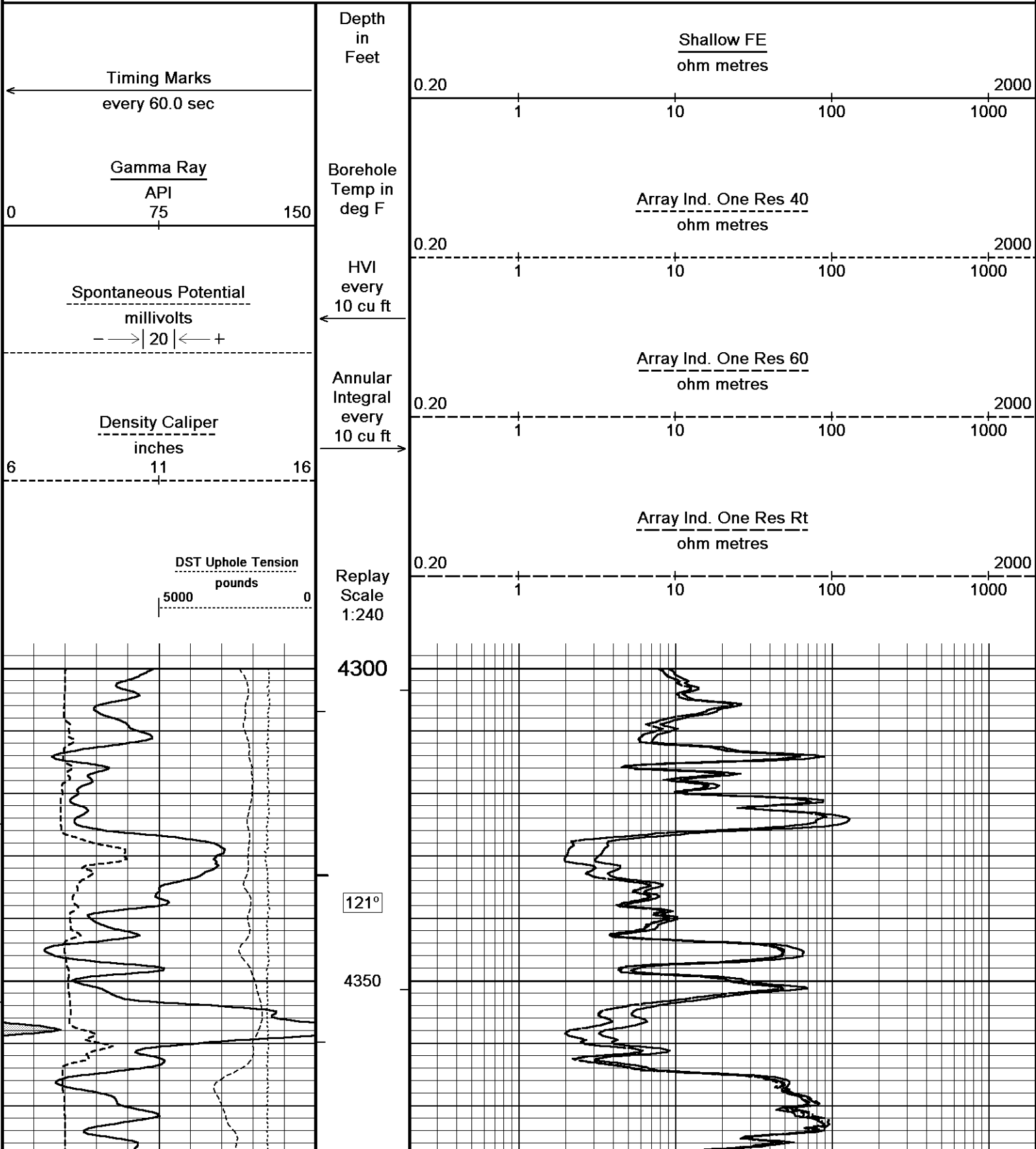
Depth Based Data - Maximum Sampling Increment 10.0cm

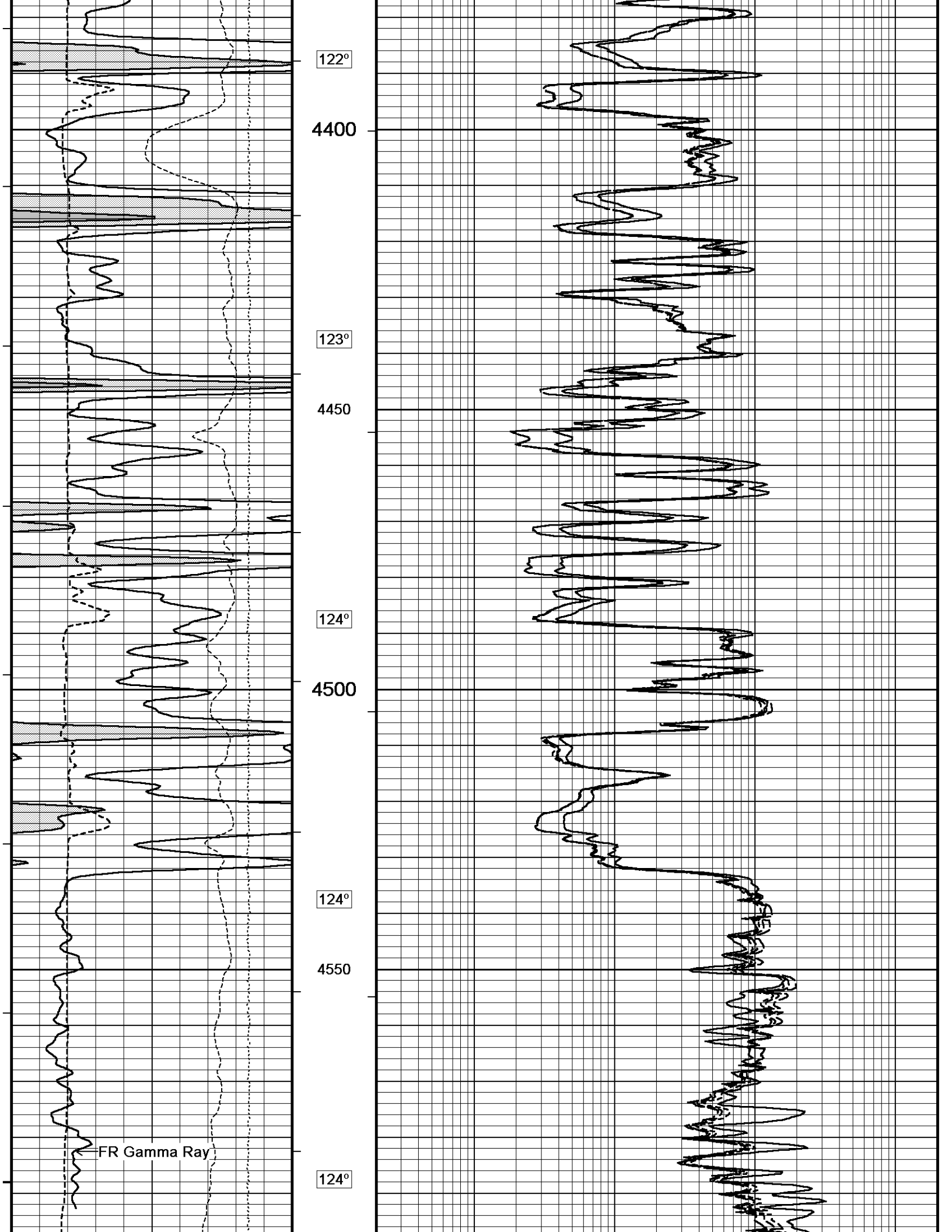
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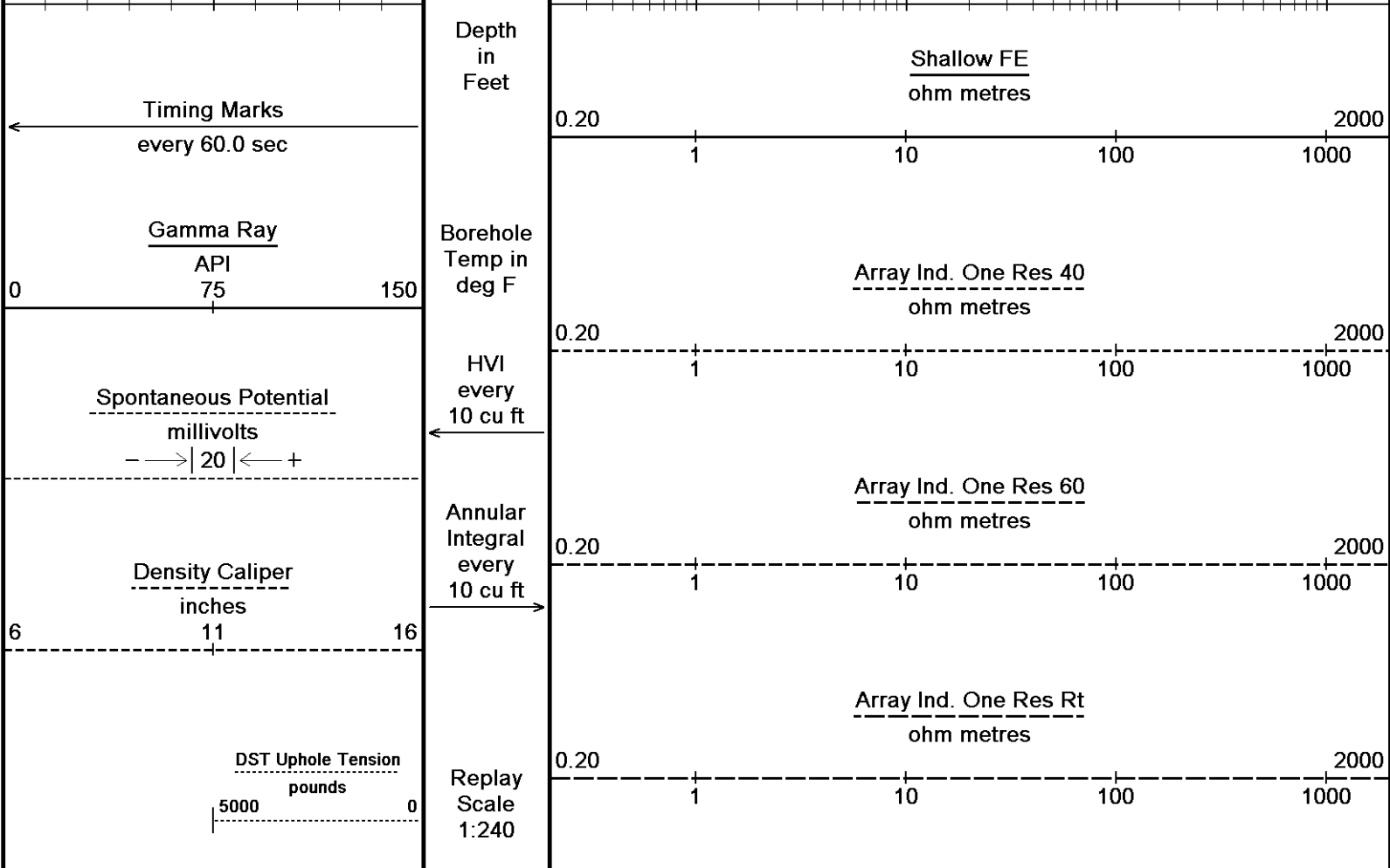
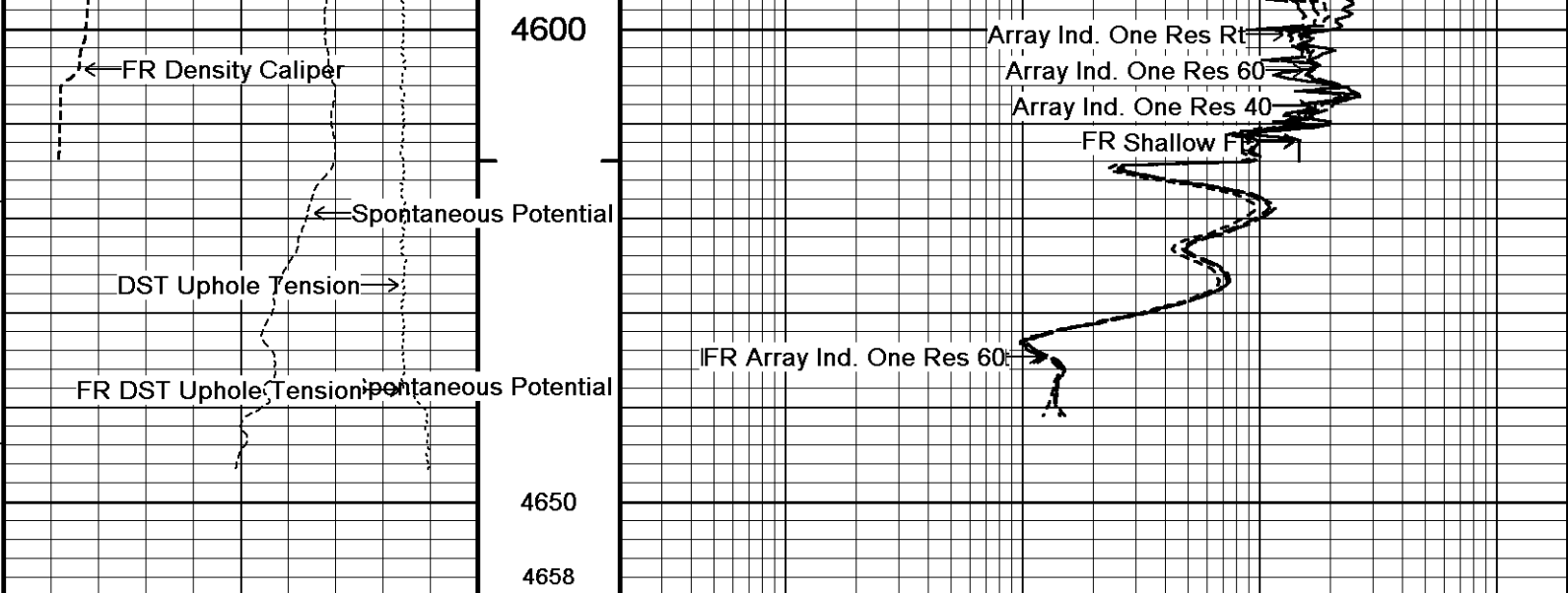
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Recorded on 03-JUN-2012 21:40

System Versions: Logged with 11.03.4044 Processed with 11.03.4044 Plotted with 11.03.4044







Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 04-JUN-2012 02:26
 Filename: C:\Minimus 11.03.4044\Data\Gran...\Grand Mesa Operating Company Phillip # 1-26_003.dta
 Recorded on 03-JUN-2012 21:40
 System Versions: Logged with 11.03.4044 Processed with 11.03.4044 Plotted with 11.03.4044

↑ 5 INCH REPEAT PASS ↑

BEFORE SURVEY CALIBRATION
 C:\Minimus 11.03.4044\Data\Grand Mesa Operating Company Phillip # 1-26\Grand Mesa Operating Company Phillip # 1-26_003.dta

General Constants All 000 Last Edited on 03-JUN-2012,20:21

General Parameters		
Mud Resistivity	0.920	ohm-metres
Mud Resistivity Temperature	81.000	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

Gamma Calibration MCG-C 84

Field Calibration on 31-MAY-2012 09:46

	Measured	Calibrated (API)
Background	66	44
Calibrator (Gross)	1148	769
Calibrator (Net)	1082	725

Gamma Constants MCG-C 84

Last Edited on 03-JUN-2012,20:21

Gamma Calibrator Number GR38
 Mud Density 1.10 gm/cc
 Caliper Source for Processing Density Caliper
 Tool Position Eccentred
 Concentration of KCl 0.00 kppm

SP Calibration MCG-C 84

Field Calibration on 28-MAY-2012,07:31

	Measured	Calibrated (mV)
Reference 1	103.5	100.0
Reference 2	-96.9	-100.0

High Resolution Temperature Calibration MCG-C 84

Field Calibration on 28-MAY-2012,07:32

	Measured	Calibrated(Deg F)
Lower	50.00	50.00
Upper	75.00	75.00

High Resolution Temperature Constants MCG-C 84

Last Edited on

Pre-filter Length 11

Caliper Calibration MML-A 16

Base Calibration on 23-MAY-2012 11:59
 Field Calibration on 31-MAY-2012 09:39

Base Calibration	Measured	Calibrator Size (in)
Reading No		
1	14501	5.98
2	17771	7.97
3	21107	9.86
4	24905	11.92
5	0	0.00
6	N/A	N/A

Field Calibration	Measured Caliper (in)	Actual Caliper (in)
	6.01	5.98

Micro Normal and Micro Inverse Calibration MML-A 16

Base Calibration on 23-MAY-2012 12:04
 Field Check on 31-MAY-2012 09:40

Base Calibration	Measured	Calibrated (ohm-m)
Channel	Resistor 1	Resistor 2
Micro Normal	12.2	60.2
Micro Inverse	15.6	78.3
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 03-JUN-2012,13:49

Pad Type	8-12 in Soft Rubber Inflatable 006-9011-159		
Micro Normal K Factor	1.0000		
Micro Inverse K Factor	1.0000		
Standoff Offset	N/A	inches	

Neutron Calibration MDN-A.B 65

Base Calibration on 23-MAY-2012 14:31
Field Check on 31-MAY-2012 09:51

Base Calibration					
		Measured		Calibrated (cps)	
	Near	Far	Near	Far	
	3164	98	3714	110	
Ratio	32.187		33.764		
Field Calibrator at Base					
			Calibrated (cps)		
			1615	2315	
Ratio	0.697				
Field Check					
			Calibrated (cps)		
			1630	2345	
Ratio	0.695				

Neutron Constants MDN-A.B 65

Last Edited on 03-JUN-2012,20:22

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

FE Calibration MFE-A.A 55

Base Calibration on 23-MAY-2012 09:37
Field Check on 31-MAY-2012 09:30

Base Calibration		
	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	951.5	126.8
Base Check		281.5
Field Check		281.6

FE Constants MFE-A.A 55

Last Edited on 03-JUN-2012,13:50

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

Sonic Constants MSS-A.A 55

Last Edited on 06-JAN-2011,18:39

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)
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

Induction Calibration MAI-A.A 45

Base Calibration on 12-JAN-2012,13:34
 Field Check on 31-MAY-2012 09:29

Base Calibration

Test Loop Calibration	Measured	Calibrated (mmho/m)
Channel	Low High	Low High
1	14.4 472.6	9.3 966.2
2	5.7 374.0	7.6 821.4
3	3.4 261.2	5.2 566.0
4	2.5 133.9	2.6 279.2

Array Temperature 79.4 Deg F

Channel	Base Check (mmho/m)	Field Check (mmho/m)
	Low High	Low High
1	0.0 0.0	18.3 3851.3
2	0.0 0.0	31.6 3629.3
3	0.0 0.0	28.5 3049.3
4	0.0 0.0	18.2 2079.0
Deep	0.0 0.0	16.0 1911.0
Medium	0.0 0.0	42.4 4060.5
Shallow	0.0 0.0	49.4 5483.1

Induction Constants MAI-A.A 45

Last Edited on 03-JUN-2012,20:22

Induction Model	RtAP-WBM		
Caliper for Borehole Corr.	Density Caliper		
Hole Size for Borehole Correction	N/A	inches	
Tool Centred	No		
Stand-off Type	Fins		
Stand-off	0.50	inches	
Number of Fins on Stand-off	8.0000		
Stand-off Fin Angle	45.00	degrees	
Stand-off Fin Width	0.5000	inches	
Borehole Corr. Rm Source	Temperature Corr		
Temp. for Rm Corr.	MCG External Temperature		
Squasher Start	0.0020	mhos/metre	
Squasher Offset	N/A	mhos/metre	

Borehole Normalisation

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

Calibration Site Corrections

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

Apparent Porosity and Water Saturation Constants

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

High Resolution Temperature Calibration MAI-A.A 45

Field Calibration on 12-JAN-2012,13:36

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

High Resolution Temperature Constants MAI-A.A 45

Last Edited on 12-JAN-2012,11:13

Pre-filter Length 11

Caliper Calibration MPD-B 59

Base Calibration on 16-MAY-2012 14:32

Field Calibration on 31-MAY-2012 09:33

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	19200	3.99
2	29152	5.98
3	39216	7.97
4	48949	9.86
5	60064	11.92
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
5.93	5.98

Photo Density Calibration MPD-B 59

Base Calibration on 16-MAY-2012 14:49

Field Check on 31-MAY-2012 09:38

Density Calibration

Base Calibration	Measured	Calibrated (sdu)
	Near	Near
	Far	Far

Reference 1	49293	24802	59556	30836
Reference 2	20819	2436	24941	2541

Field Check at Base
1213.5 1290.5

Field Check
1206.1 1292.9

PE Calibration

Base Calibration	WS	Measured WH	Ratio	Calibrated Ratio
Background	220	1092		
Reference 1	18022	49118	0.371	0.371
Reference 2	5449	20689	0.267	0.272

Field Check at Base
220.3 1091.9

Field Check
221.9 1084.8

Density Constants MPD-B 59

Last Edited on 03-JUN-2012,20:22

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	1.10	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)	
2.71		
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 Operating Company Phillip # 1-26\Grand Mesa Operating Company Phillip # 1-26_003.dta

MCB-A.A 11B Tension Cablehead
MCB-A.A 155 LG: 2.40 ft WT: 19.8 lb OD: 2.24 in

MCB-A.A 11B Tension Cablehead
MCB-A.A 155 LG: 2.40 ft WT: 19.8 lb OD: 2.24 in

Compact Comms Gamma
MCG-C 84 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

Compact Comms Gamma
MCG-C 84 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



55.39 ft GRGC - Gamma Ray
55.39 ft GRGC - Gamma Ray
52.48 ft CGXT - MCG External Temperature
52.48 ft CGXT - MCG External Temperature

45.76 ft MINV - Micro-inverse
45.76 ft MINV - Micro-inverse

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

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

Compact Density/Caliper
MPD-B 59 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

Compact Density/Caliper
MPD-B 59 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

Compact Focussed Electric
MFE-A.A 55 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

Compact Focussed Electric
MFE-A.A 55 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

Compact Sonic
MSS-A.A 55 LG: 12.52 ft WT: 72.8 lb OD: 2.24 in

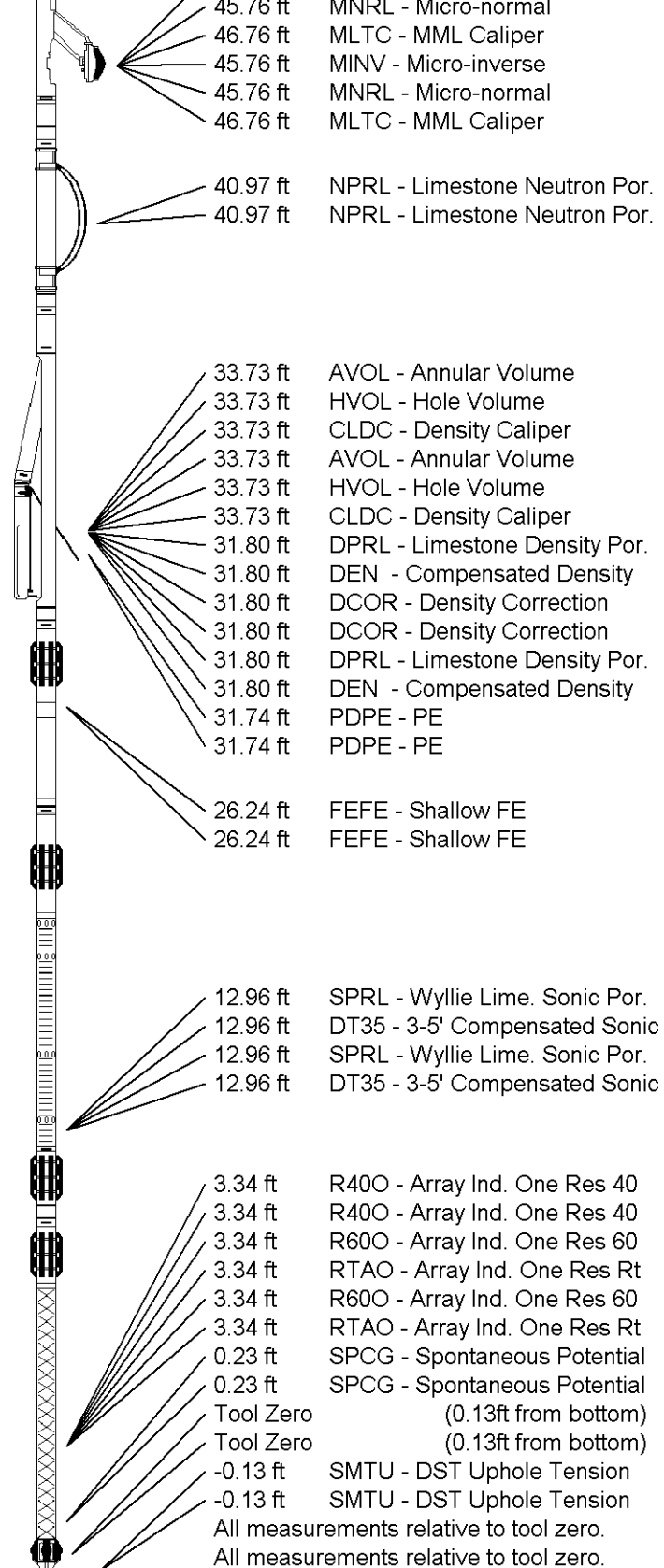
Compact Sonic
MSS-A.A 55 LG: 12.52 ft WT: 72.8 lb OD: 2.24 in

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

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

Total Length: 63.07 ft Weight: 476.2 lb

Total Length: 63.07 ft Weight: 476.2 lb



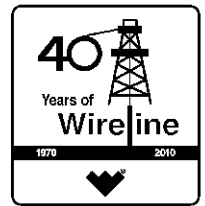
COMPANY	GRAND MESA OPERATING COMPANY
WELL	PHILLIP # 1-26
FIELD	WILDCAT
PROVINCE/COUNTY	GOVE
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing	2856.00	feet	First Reading	4635.00	feet
Elevation Drill Floor	2854.00	feet	Depth Driller	4631.00	feet
Elevation Ground Level	2851.00	feet	Depth Logger	4628.00	feet



Weatherford®

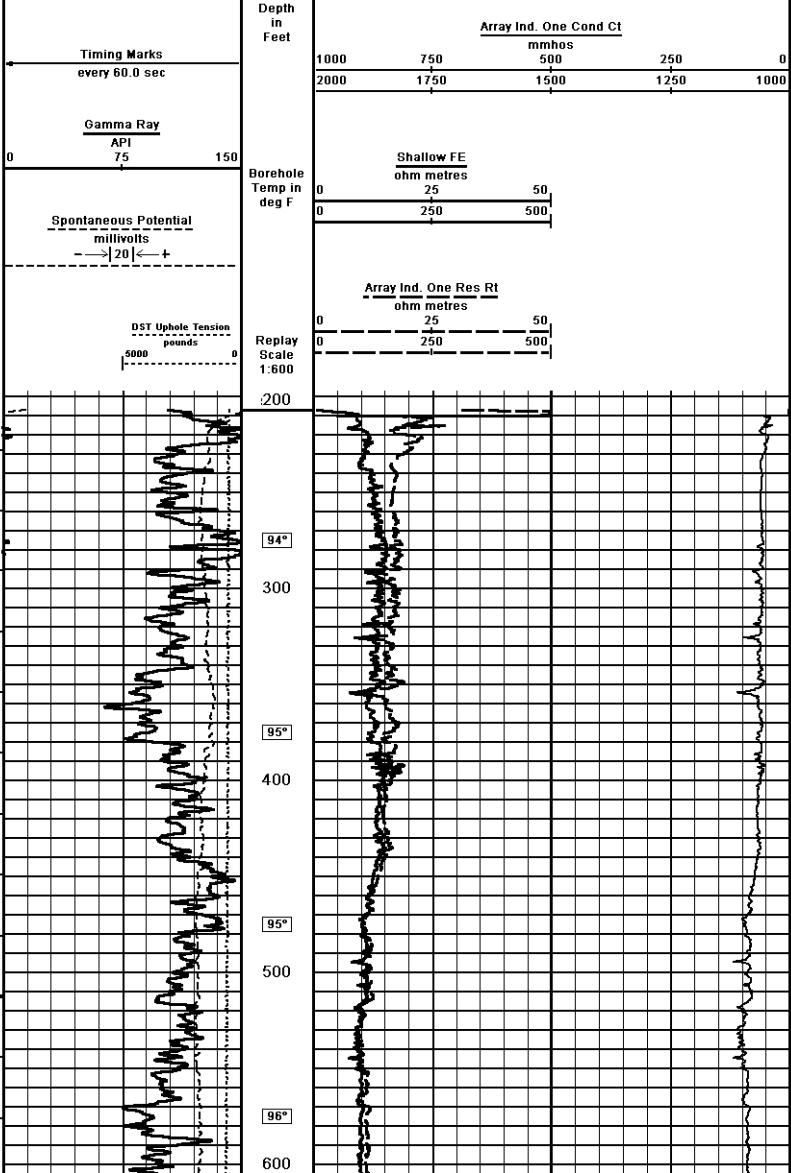
ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG

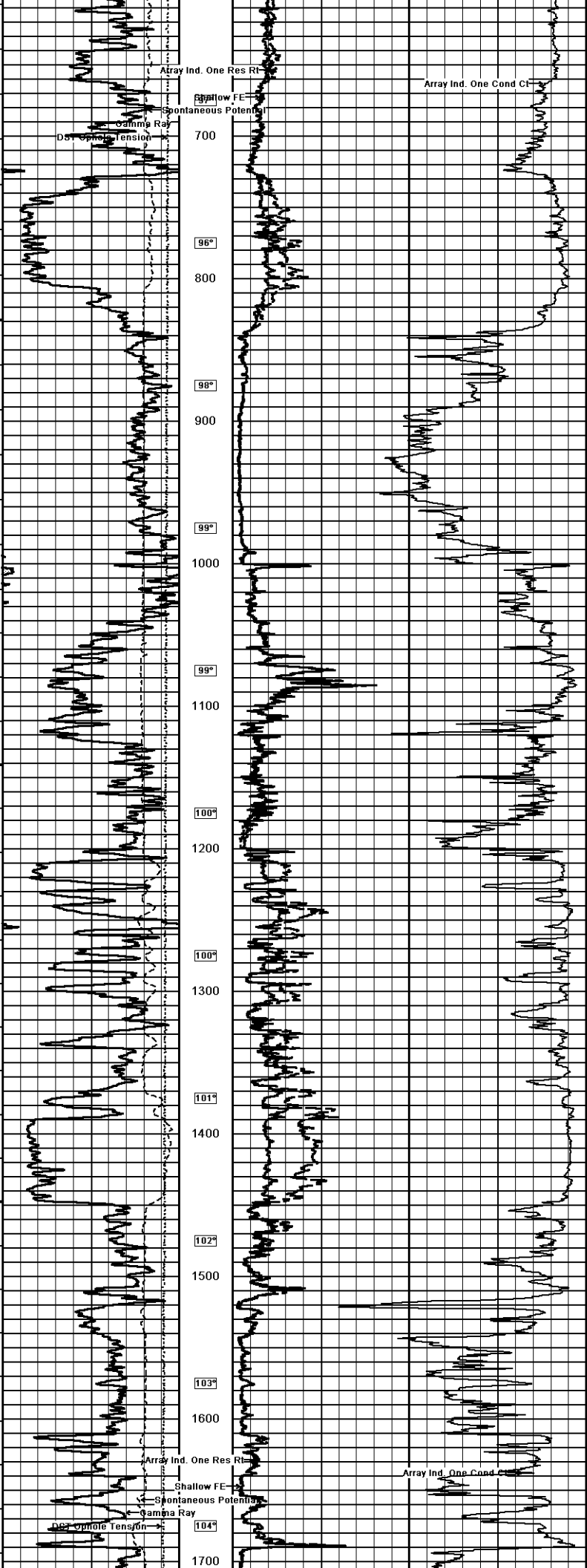


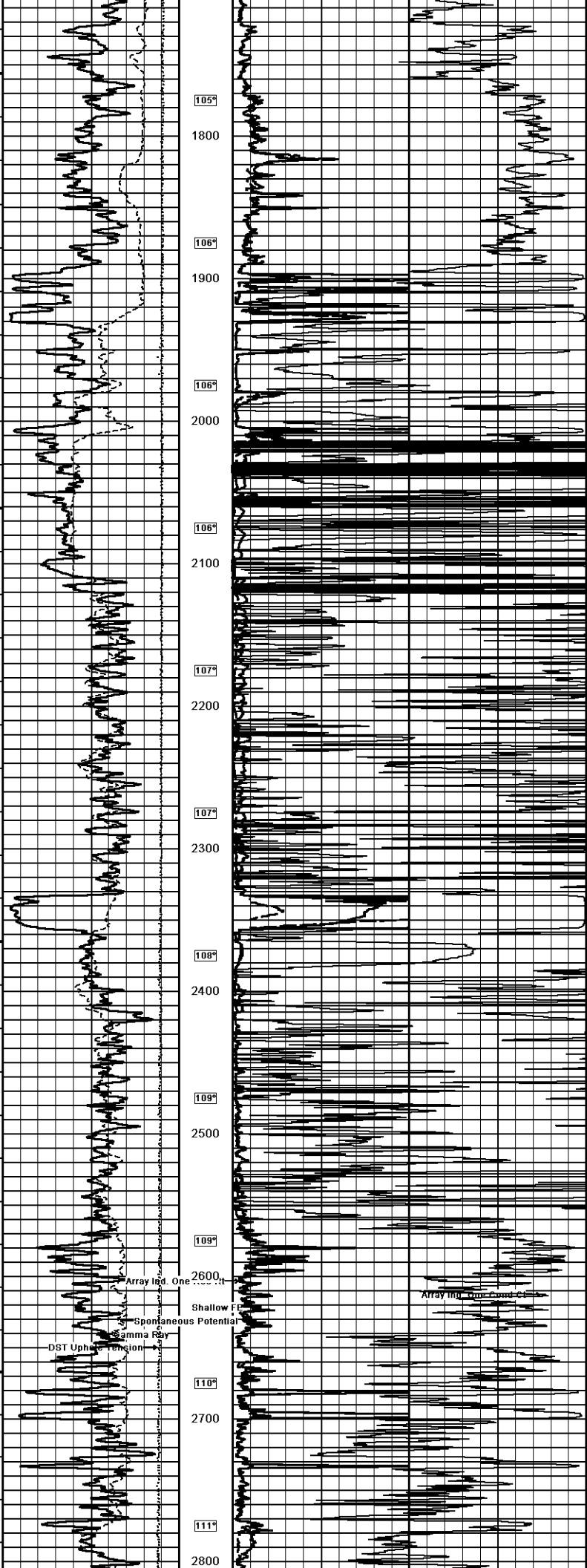
Weatherford		ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG	
COMPANY: GRAND MESA OPERATING COMPANY WELL: PHILLIP # 1-26 FIELD: WILDCAT PROVINCE/COUNTY: GOVE COUNTRY/STATE: U.S.A. / KANSAS LOCATION: 2180' FNL & 1707' FWL NW SW SE NW			
SEC: 10	TRAP: 135	RSE: Other Services	Elevations: 2861 feet
LOT Number: 15-063-22000	31W	WFO/MDN	DP: 2664.00
		MSS	GL: 2861.00
Permanent Datum (G.L., Elevation 2861 feet) Log Measured From KB Drilling Measured From KB			
Date: 03-JUN-2012	Run Number: ONE		
Depth Driller: 4631.00	feet		
Depth Logger: 4638.00	feet		
First Reading: 4635.00	feet		
LAST Reading: 207.00	feet		
Casing Driller: 210.00	feet		
Casing Logger: 207.00	feet		
Bit Size: 7.875	inches		
Hoist Fluid Type: CHEMICAL			
Density/Viscosity: 9.20 / 100SG	63.00 CP		
PH/Fluid Loss: FLOWLINE	7.20 ml/20Min		
Sample Source: Fm @ Measured Temp	0.97 @ 81.0	ohm-m	
Fm @ Measured Temp	0.74 @ 81.0	ohm-m	
Fm @ Measured Temp	1.10 @ 81.0	ohm-m	
Source Fm/Fm	CALC	CALC	
Fm @ BHT	0.61 @ 75.0	ohm-m	
Time since Circulation	7 HOURS		
Max Recorded Temp	126.00	deg F	
Equipment Name	COMPACT		
Equipment Base	13067		
Recorded by	A. CRABALLO		
Witnessed by	BOB SCHRIEBER		
SOJ JOB #	353494		
			1817-138

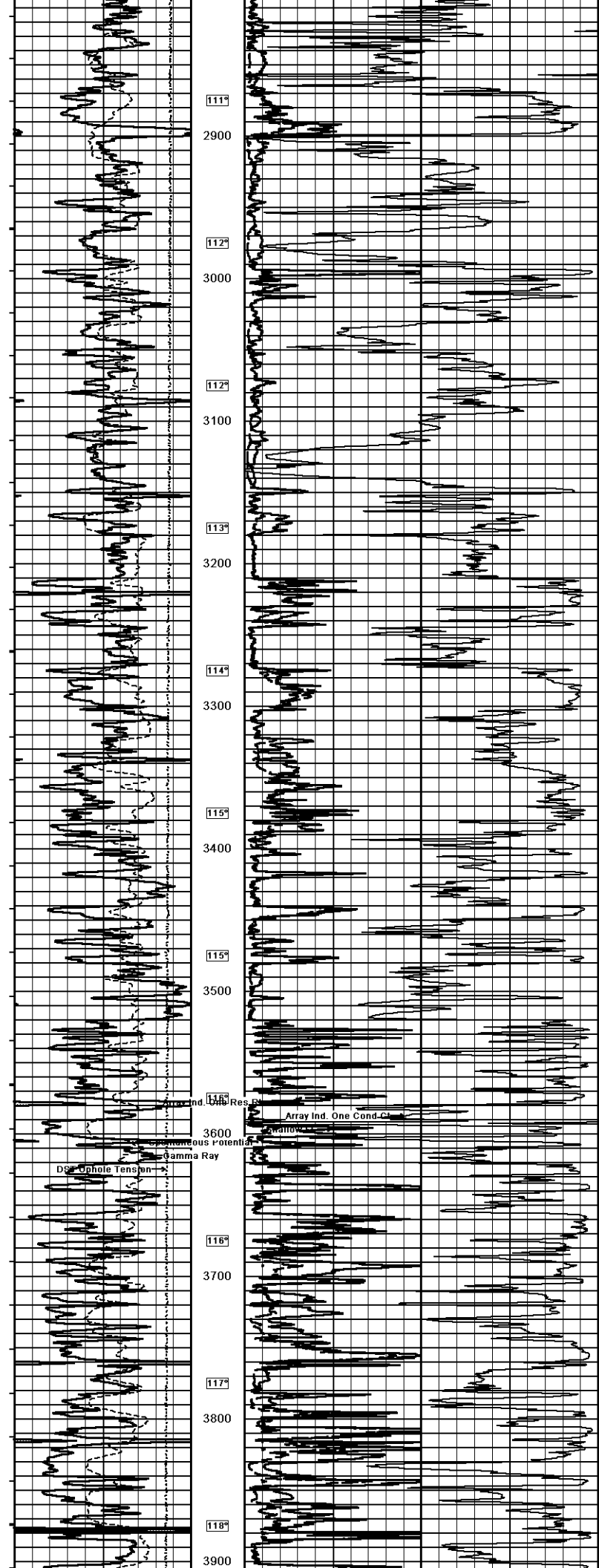
1 INCH MAIN PASS

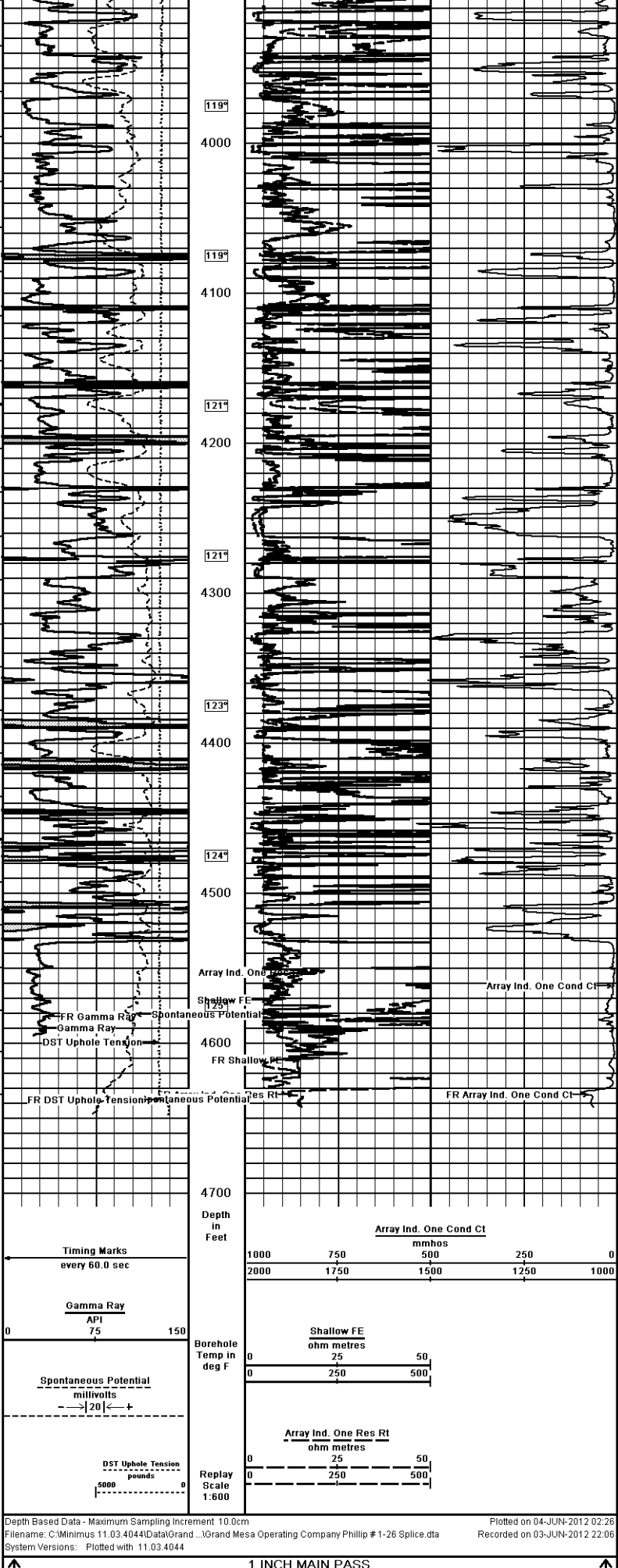
Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 04-JUN-2012 02:26
 Filename: C:\Minimus 11.03.4044\Data\Grand...Grand Mesa Operating Company Phillip # 1-26 Splice.dta
 Recorded on 03-JUN-2012 22:06
 System Versions: Plotted with 11.03.4044











COMPANY GRAND MESA OPERATING COMPANY

WELL PHILLIP # 1-26

FIELD WILDCAT

PROVINCE/COUNTY GOVE
COUNTRY/STATE U.S.A. / KANSAS

Elevation Kelly Bushing	2856.00	feet	First Reading	4635.00	feet
Elevation Drill Floor	2854.00	feet	Depth Driller	4631.00	feet
Elevation Ground Level	2851.00	feet	Depth Logger	4638.00	feet



ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG

