



Weatherford[®]

**ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG**

COMANCHE RESOURCES COMPANY

SAVOLT # 30-1

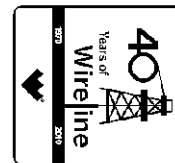
WILDCAT

SCOTT

U.S.A. / KANSAS

3200' FSL & 400' FEL

NW SE SE NE

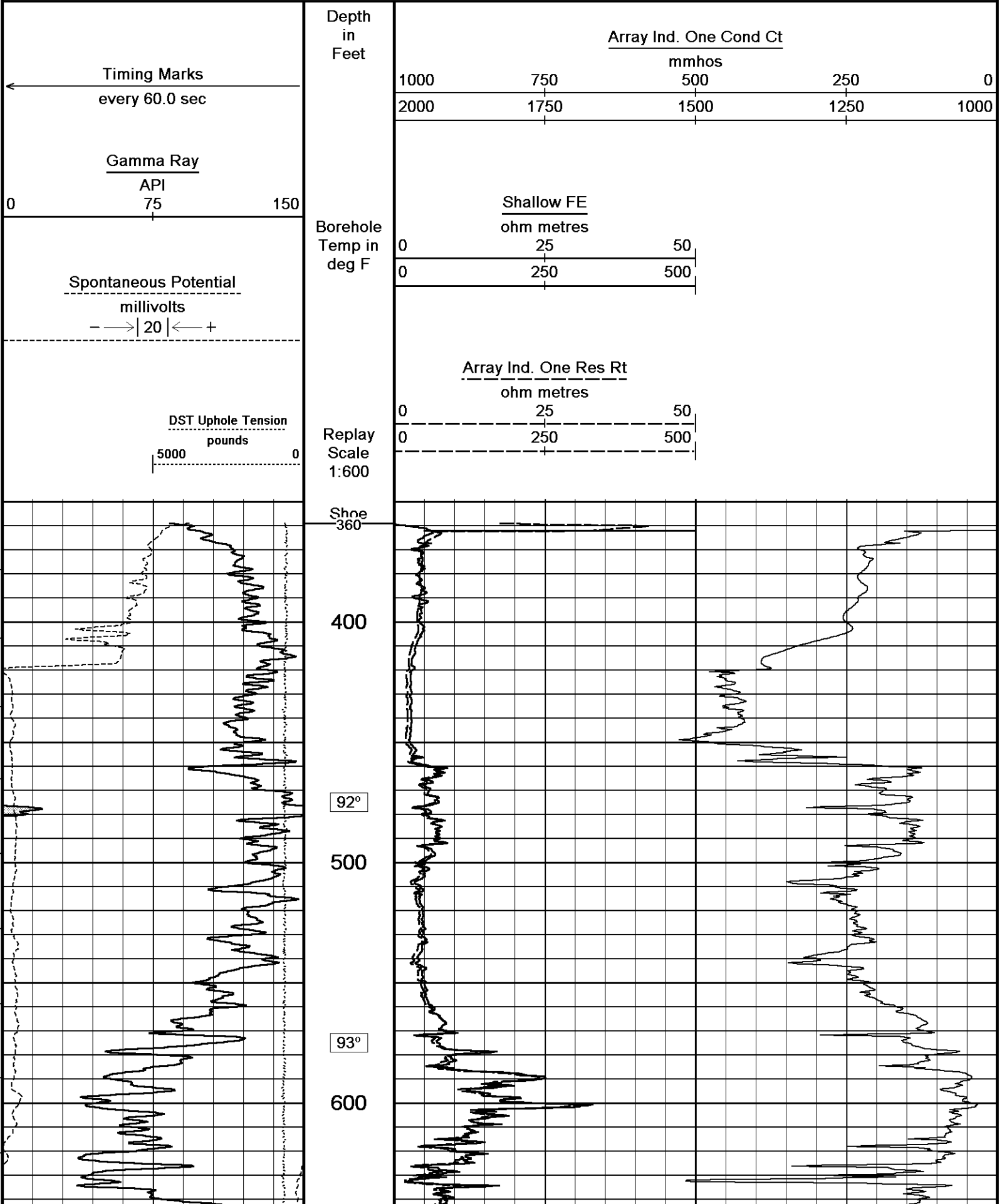


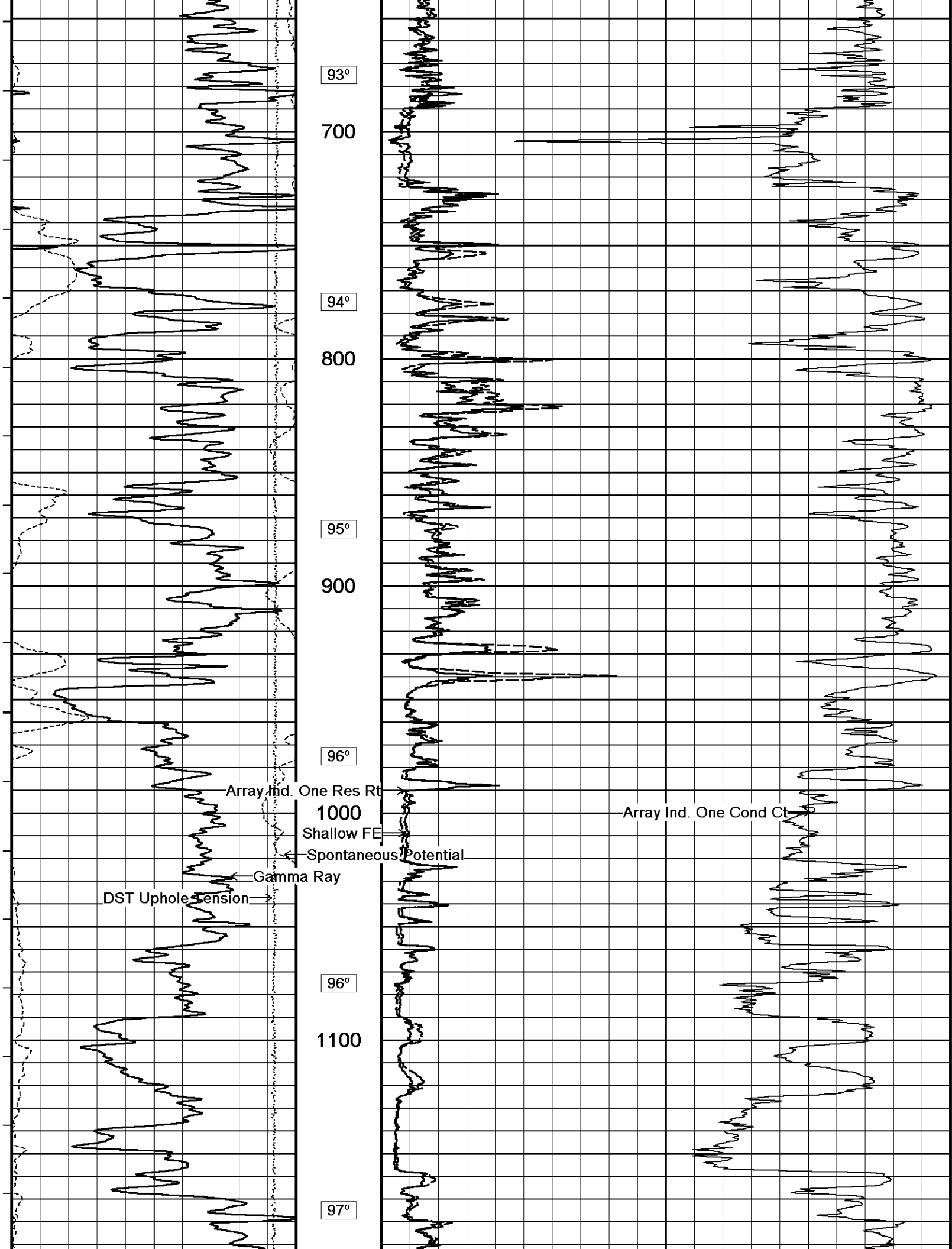
COMPANY	COMANCHE RESOURCES COMPANY	SEC	TWP	RGE	Other Services	Permanent Datum G.L., Elevation 3131 feet
WELL	SAVOLT # 30-1	30	19S	34W	MPD/MDN	Log Measured From KB
FIELD	WILDCAT	API Number	15-171-20876	MSS	MML	Drilling Measured From K.B.
PROVINCE/COUNTY	SCOTT	Permit Number				
COUNTRY/STATE	U.S.A. / KANSAS					
LOCATION	3200' FSL & 400' FEL					
	NW SE SE NE					
Date	11-MAY-2012					Elevations: KB 3141.00 DF 3139.00 GL 3131.00
Run Number	ONE					
Depth Driller	5020.00					
Depth Logger	5015.00					
First Reading	5012.00					
Last Reading	359.00					
Casing Driller	367.00					
Casing Logger	359.00					
Bit Size	7.875					
Hole Fluid Type	CHEMICAL					
Density / Viscosity	8.90 lb/USg					
PH / Fluid Loss	12.00					
Sample Source	FLOWLINE					
Rm @ Measured Temp	0.78 @ 70.0					
Rmf @ Measured Temp	0.62 @ 70.0					
Rmc @ Measured Temp	0.94 @ 70.0					
Source Rmf / Rmc	CALC					
Rm @ BHT	0.48 @ 118.0					
Time Since Circulation	5 HOURS					
Max Recorded Temp	118.00					
Equipment Name	COMPACT					
Equipment / Base	13096					
Recorded By	A. GIAMBALVO					
Witnessed By	JIM SPELLMAN					
S.O. / JOB #	3534538					

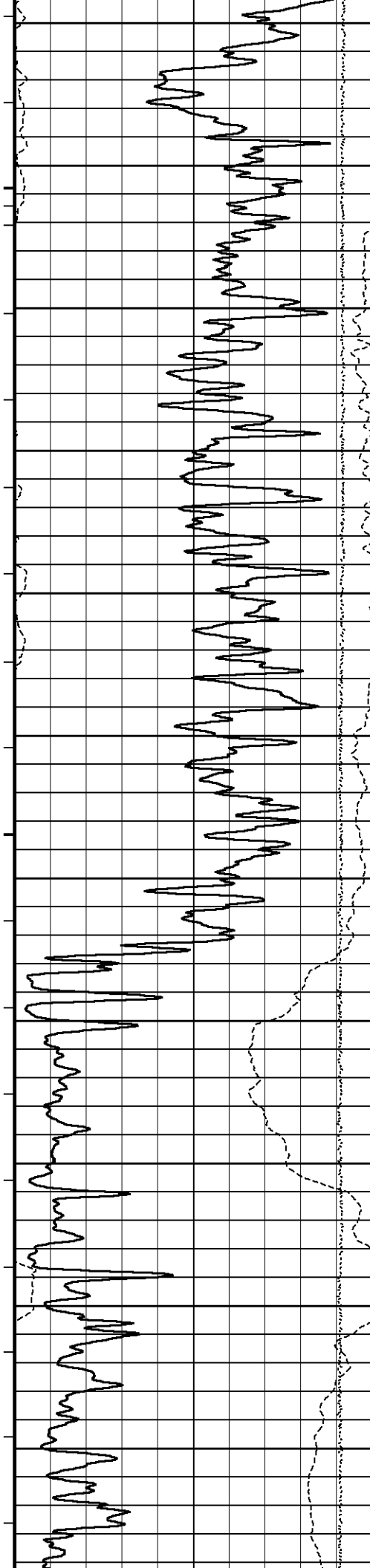
BOREHOLE RECORD			Last Edited: 11-MAY-2012 03:45
Bit Size inches	Depth From feet	Depth To feet	
7.875	359.00	5015.00	
CASING RECORD			
Type	Size inches	Depth From feet	Shoe Depth feet
SURFACE	8.625	10.00	359.00
			Weight pounds/ft
			24.00

REMARKS
Tools Used: MPD, MCG, MDN, MFE, MAI, MSS, MML. Hardware: MPD: 8 inch profile plate used. MAI, MFE, 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. Annular volume with 5.5 inch production casing = 200 cu. ft. Service order #3534538 Rig: Murfin Drilling Rig #2 Engineer: A. Giambalvo Operator(s): N. Adame

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.







1200

97°

1300

97°

1400

97°

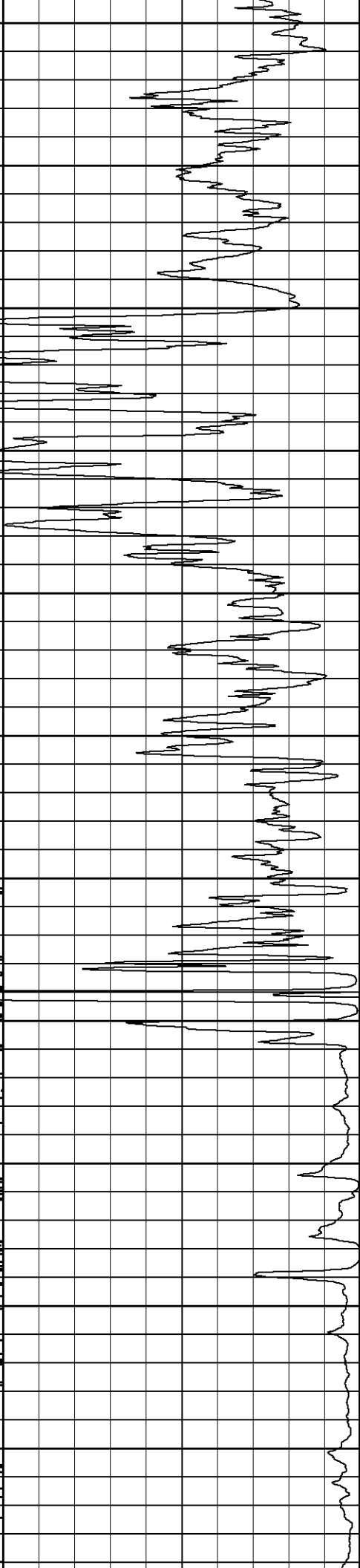
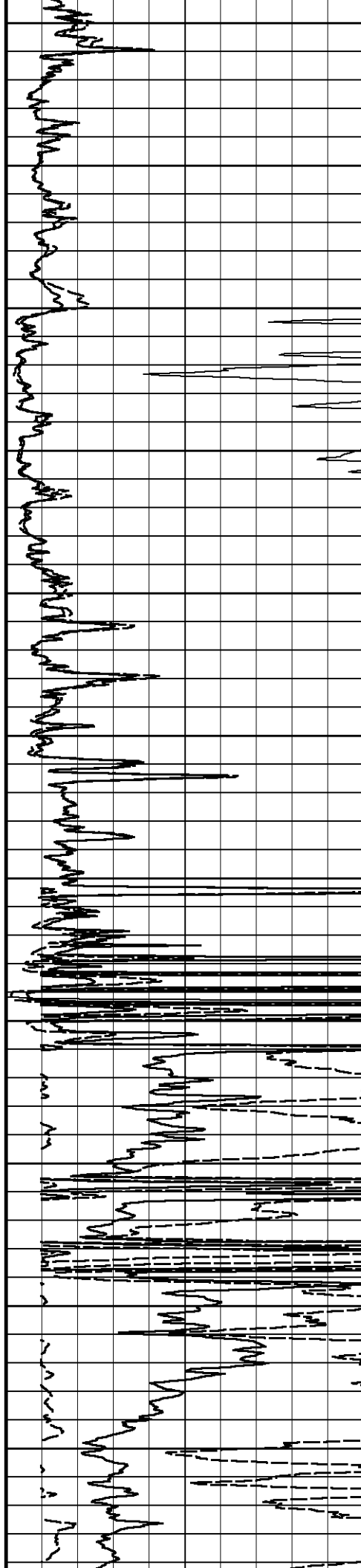
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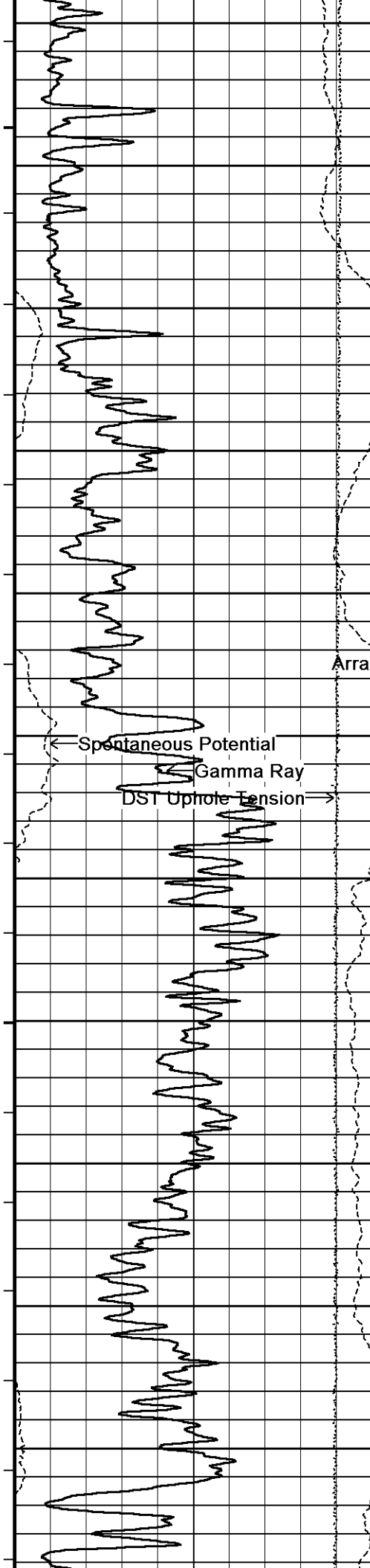
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1600

97°

1700





97°

1800

98°

1900

Array Ind. One Res Rt

2000

Shallow FF

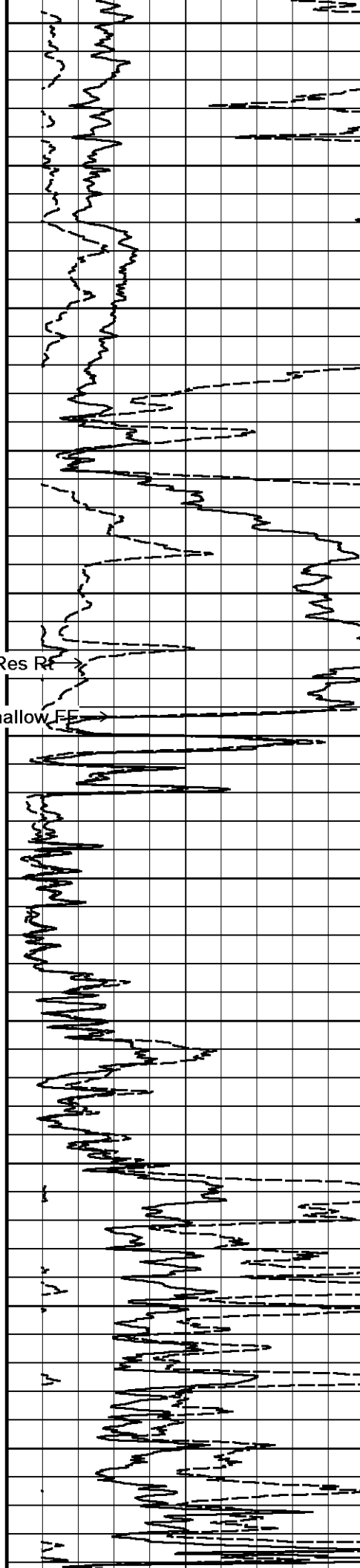
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2100

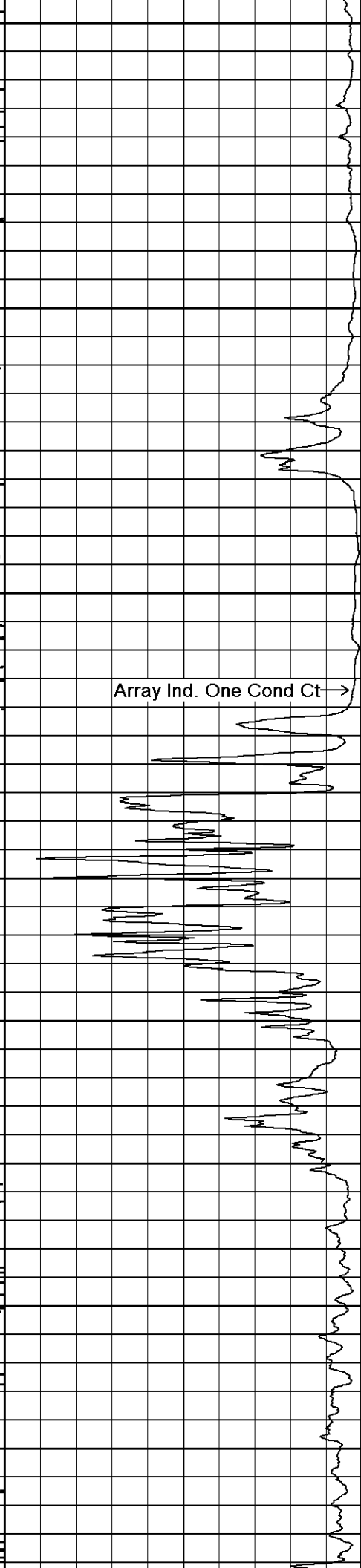
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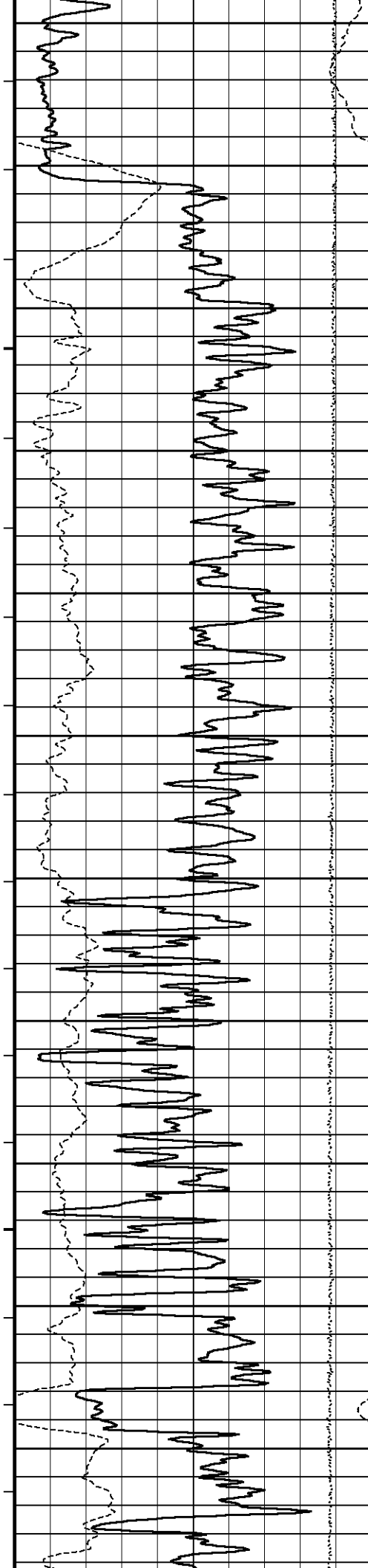
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100°



Array Ind. One Cond Ct





2300

101°

2400

102°

2500

102°

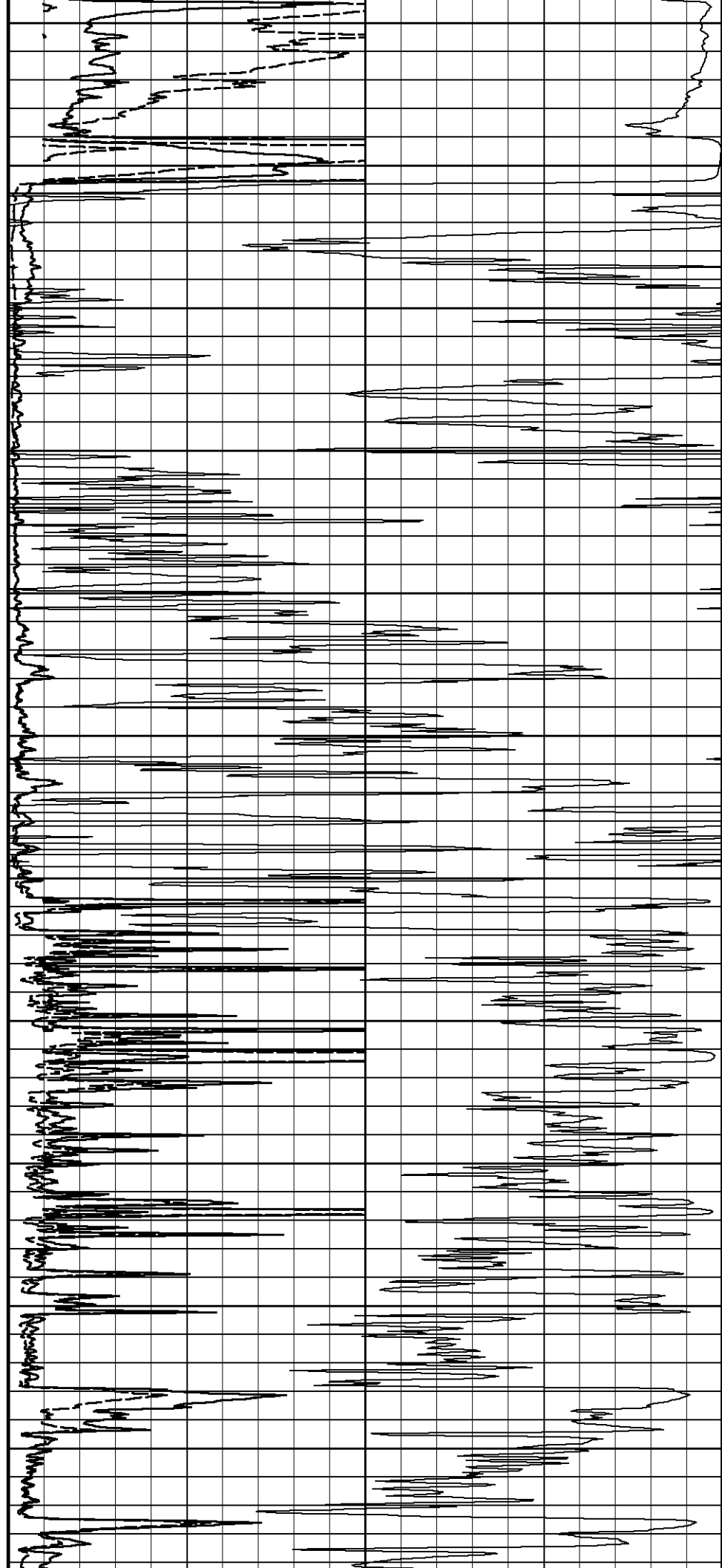
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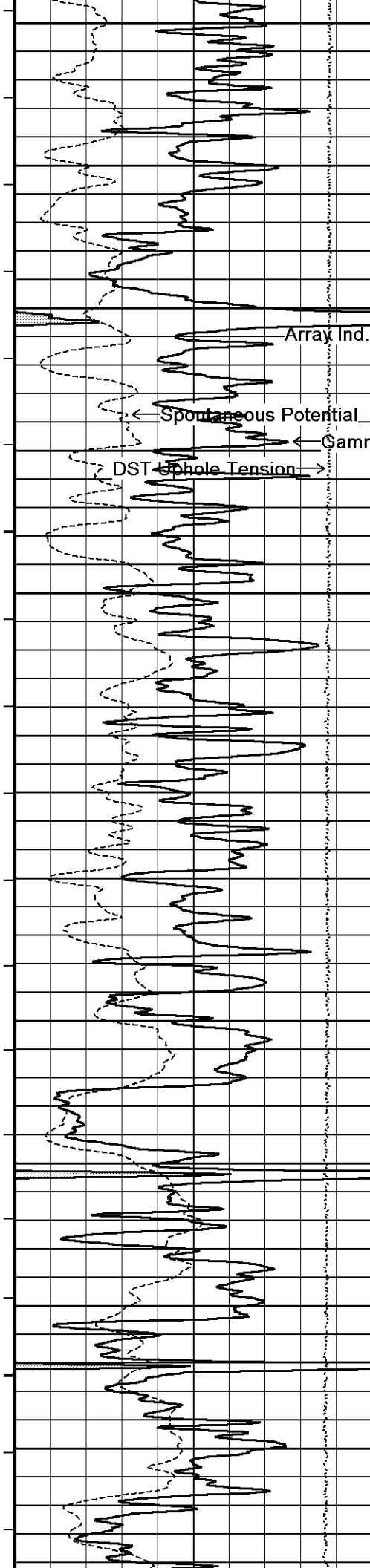
102°

2700

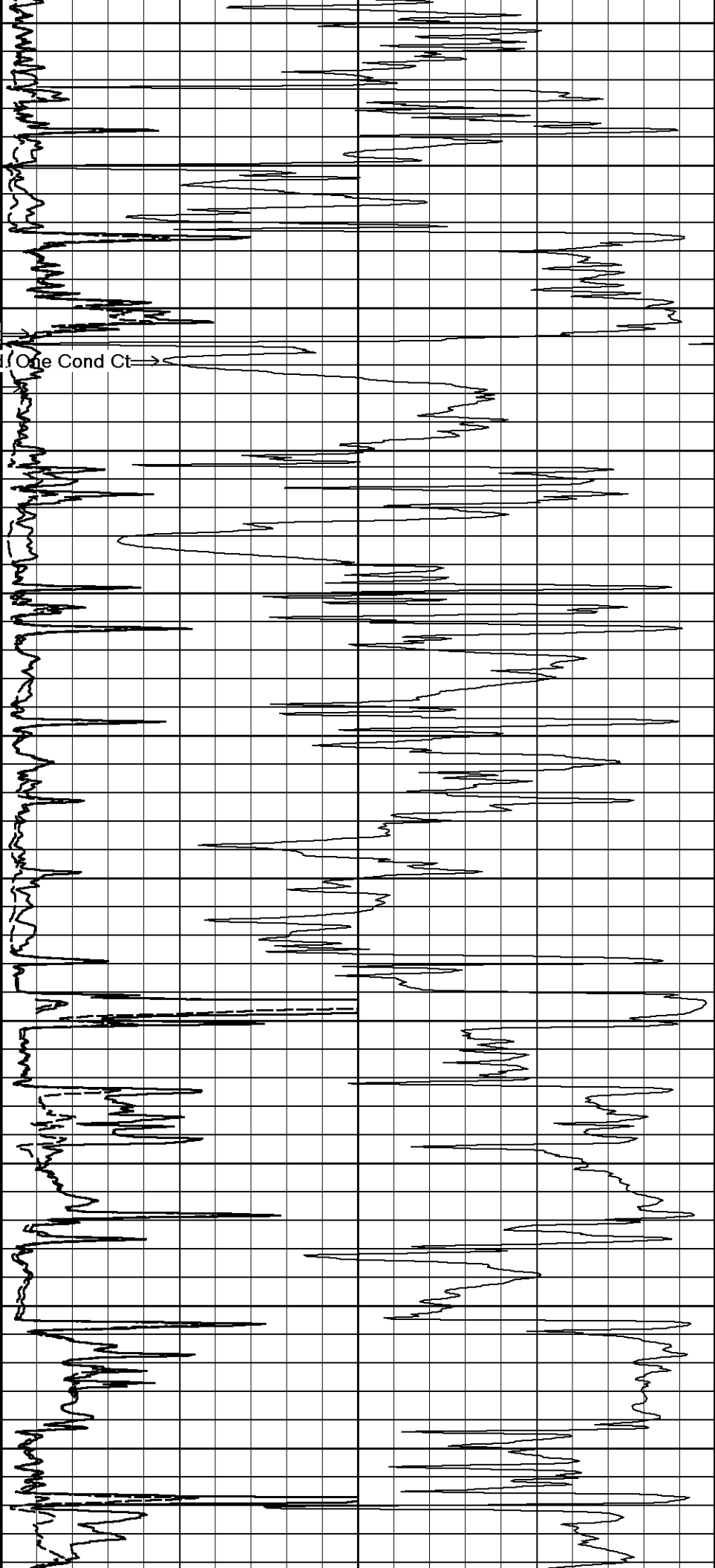
103°

2800





103°
2900
104°
3000
105°
3100
105°
3200
106°
3300
106°



Array Ind. One Res Rt

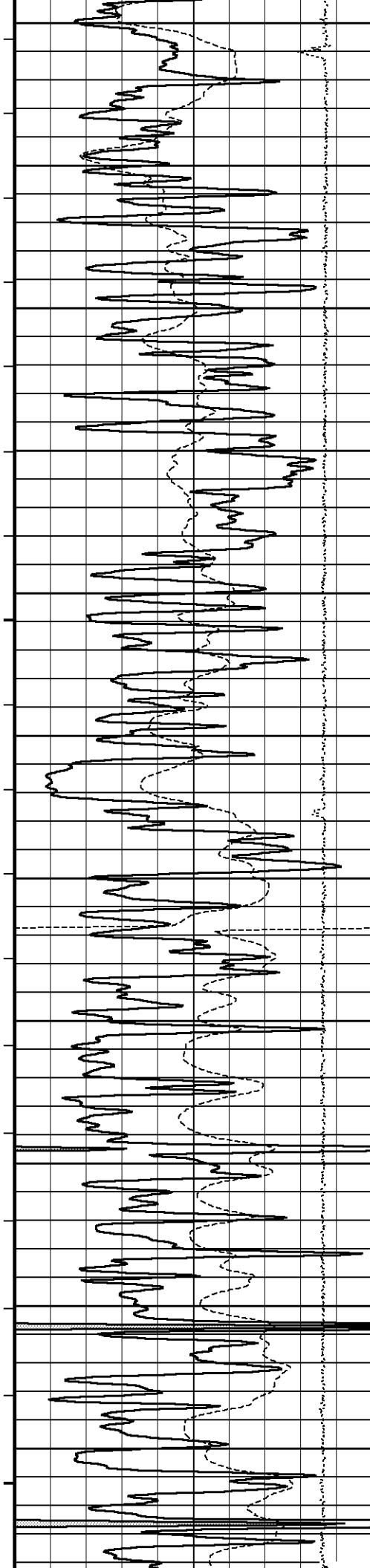
Array Ind. One Cond Ct

Shallow FE

Spontaneous Potential

Gamma

DST/Wellbore Tension



3400

107°

3500

107°

3600

108°

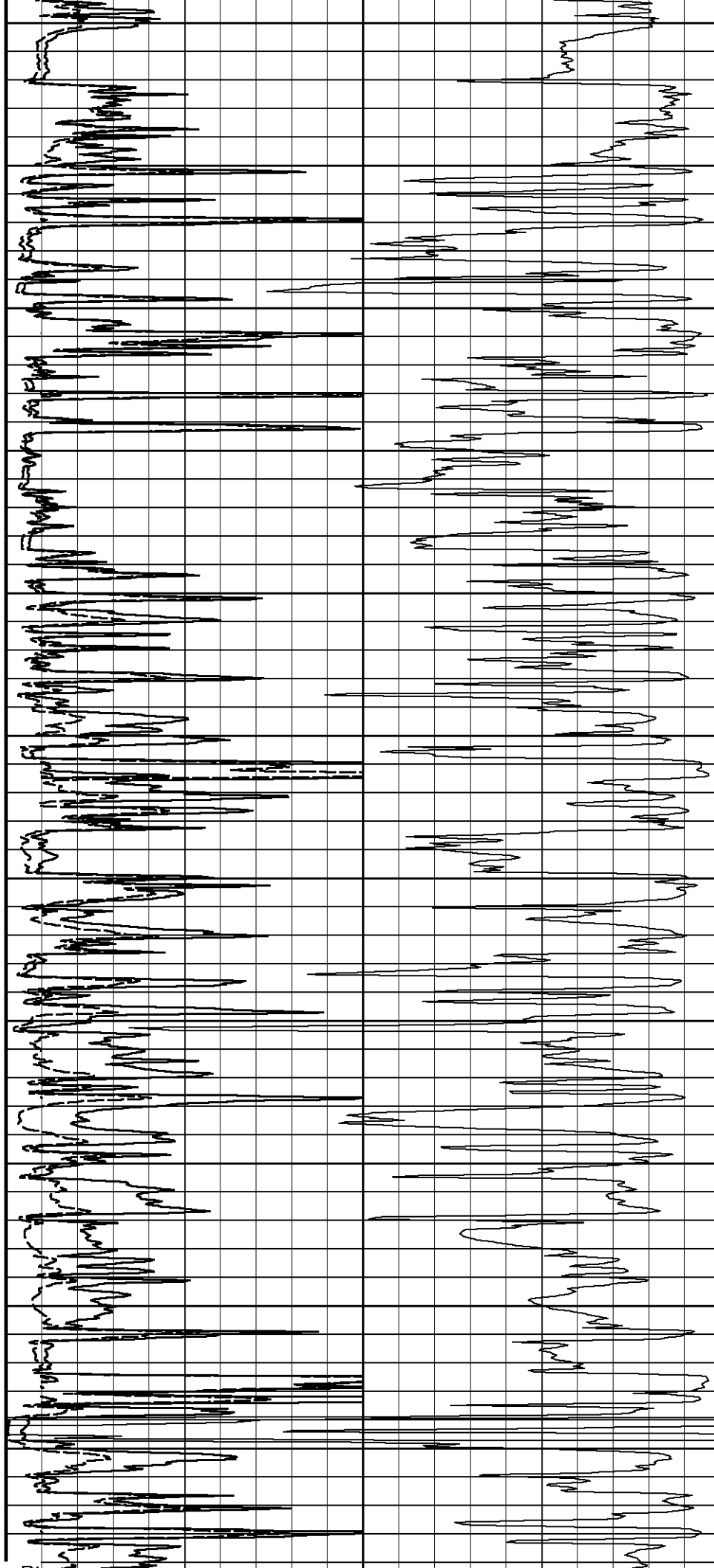
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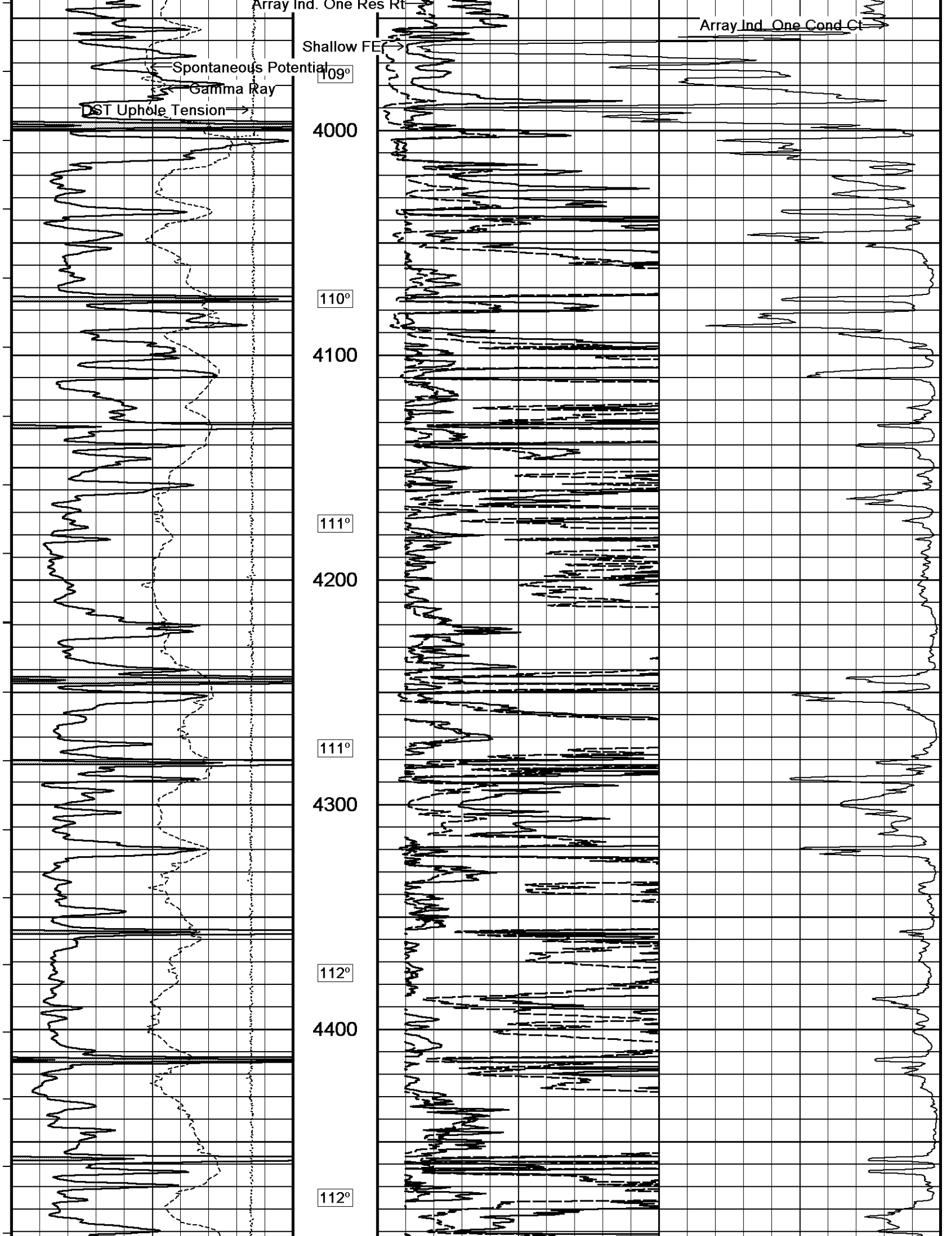
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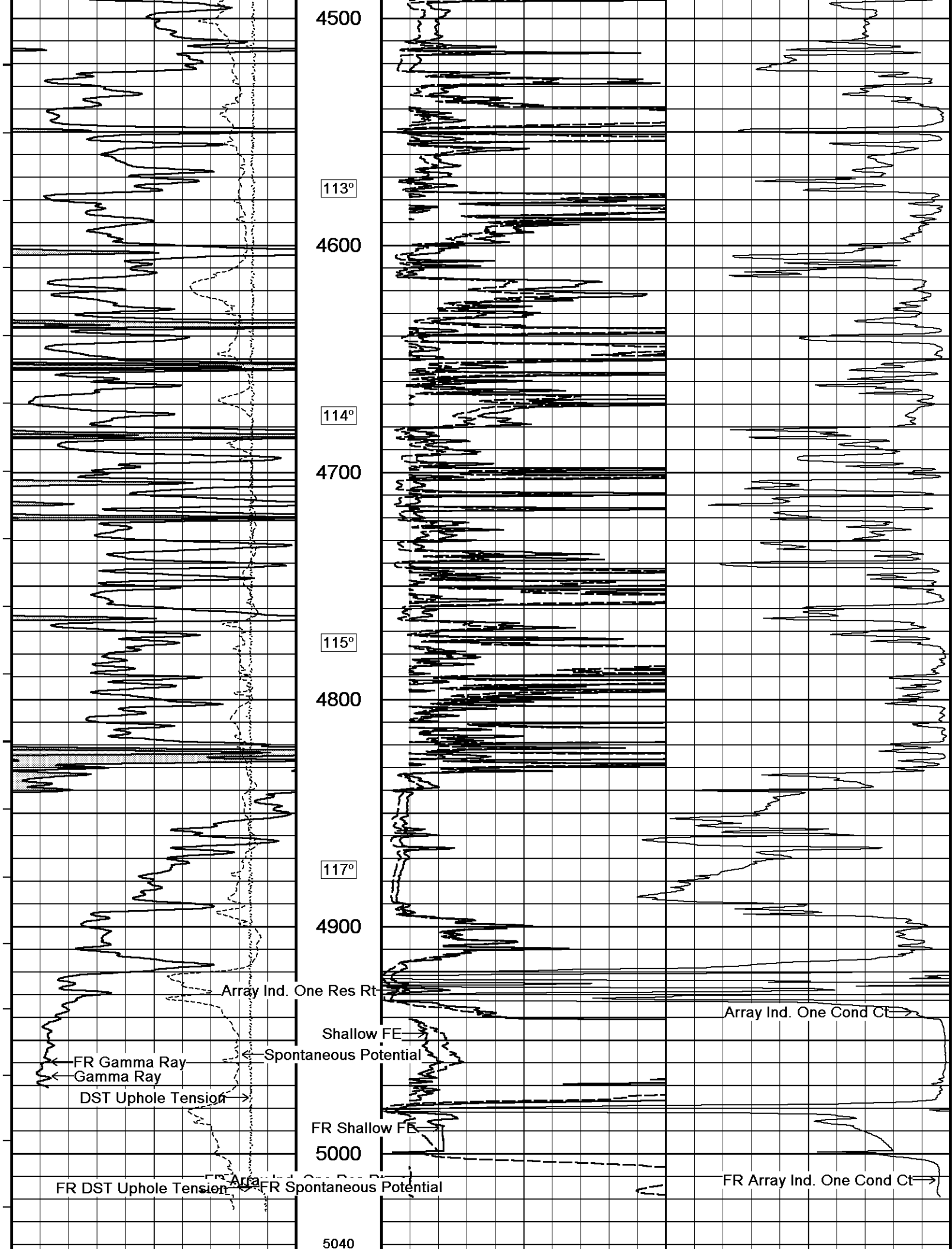
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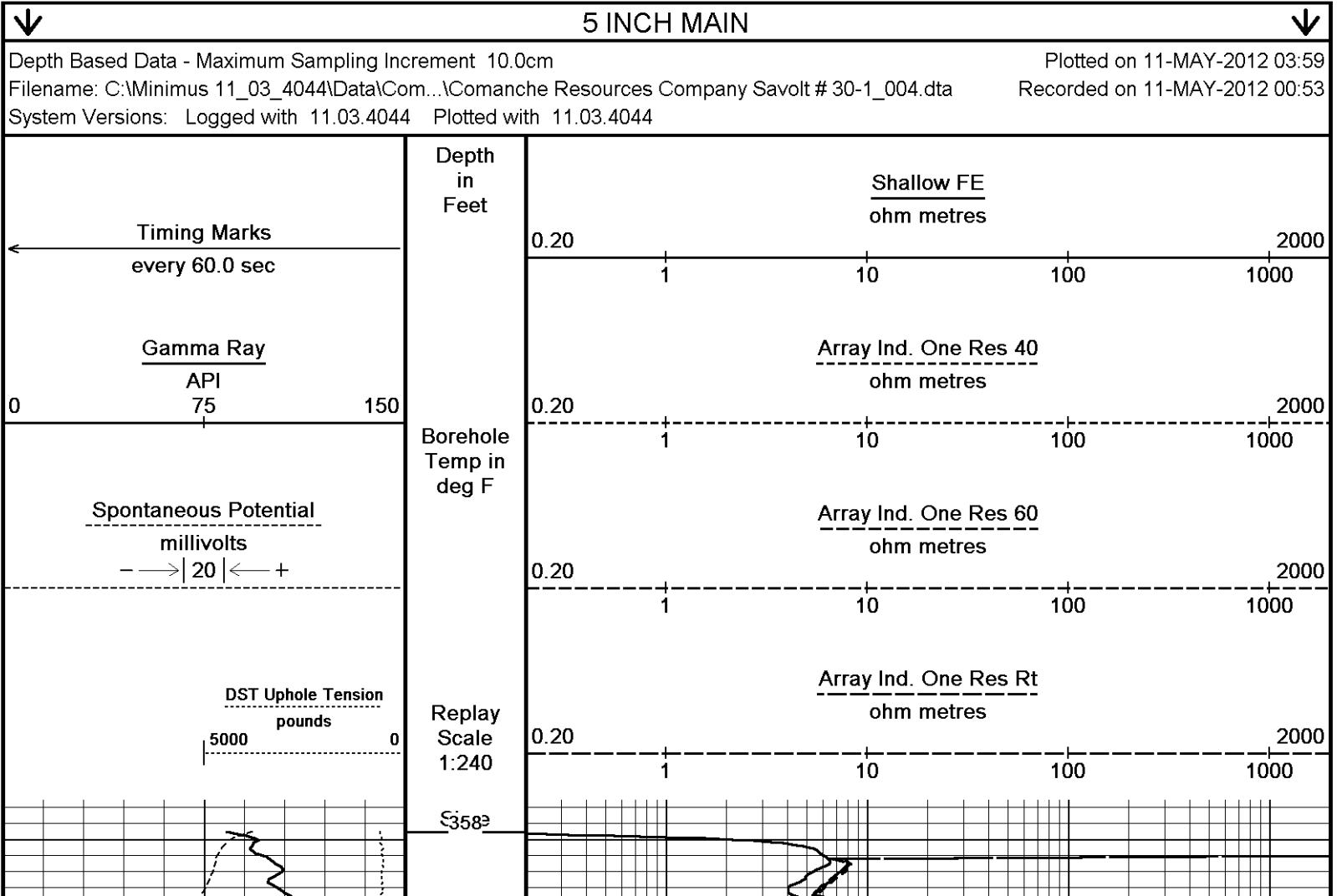
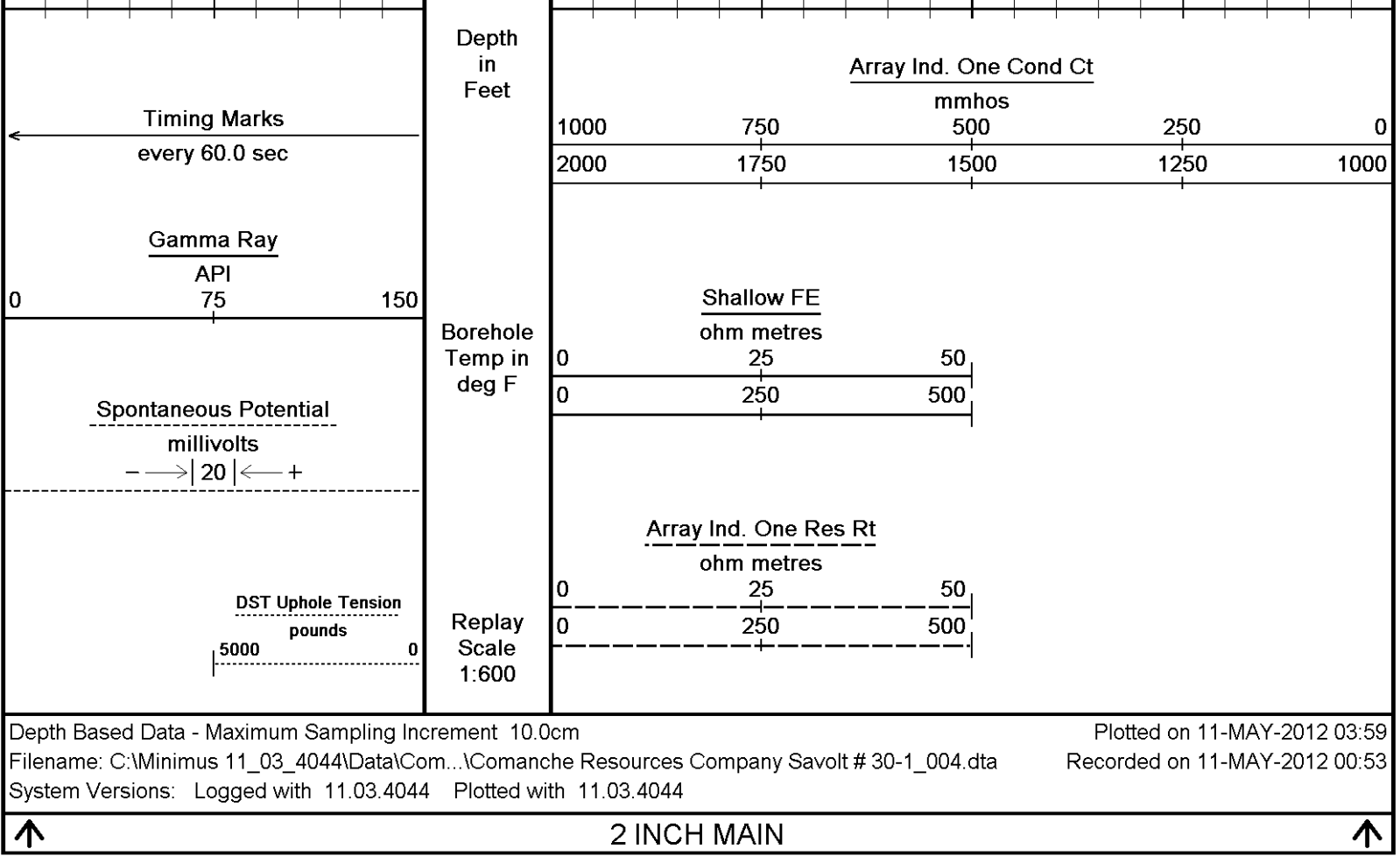
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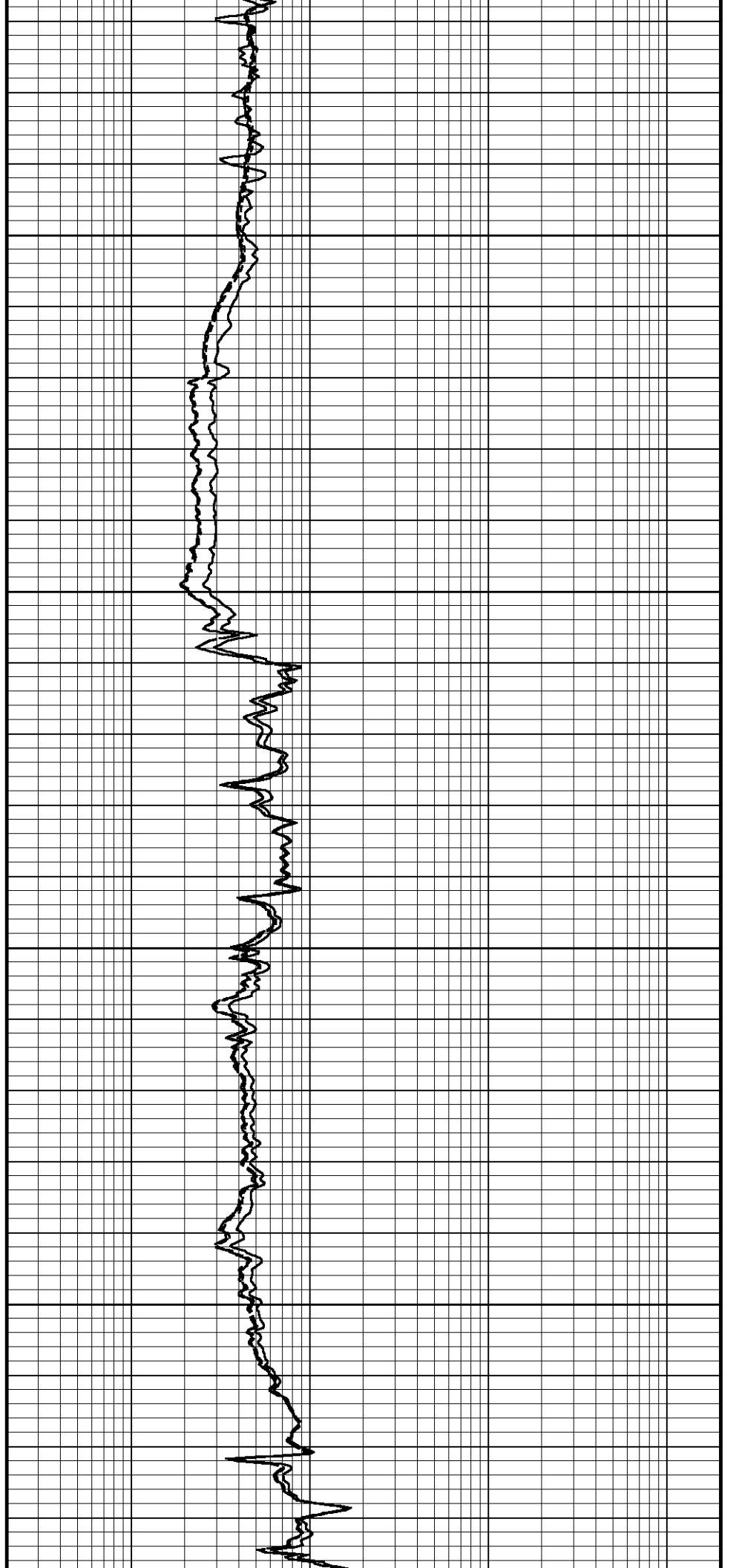
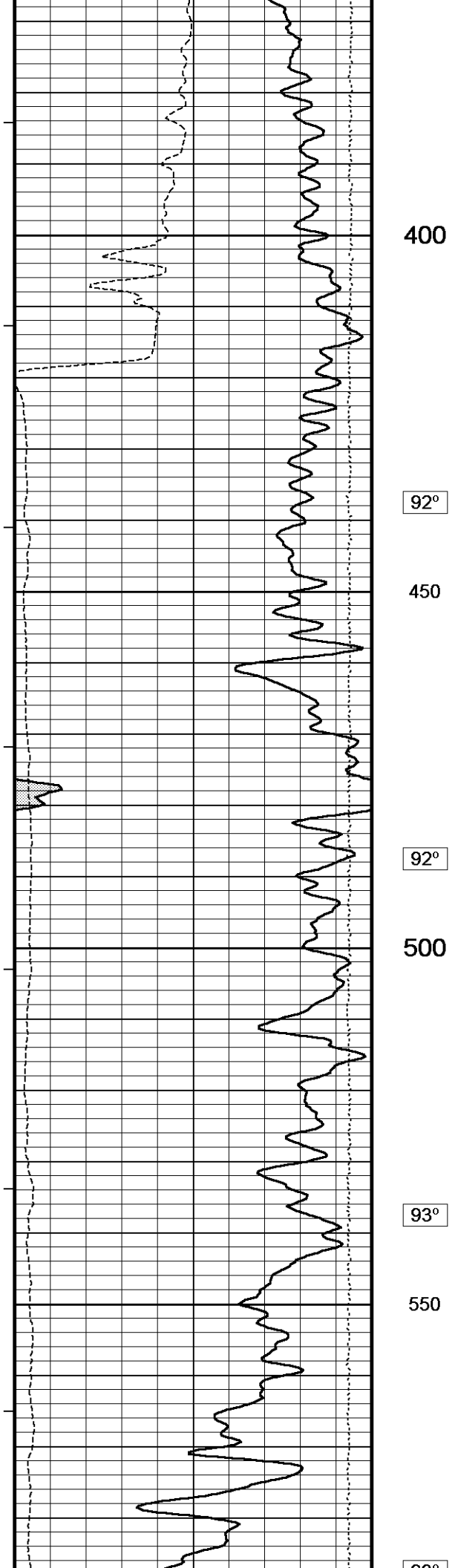
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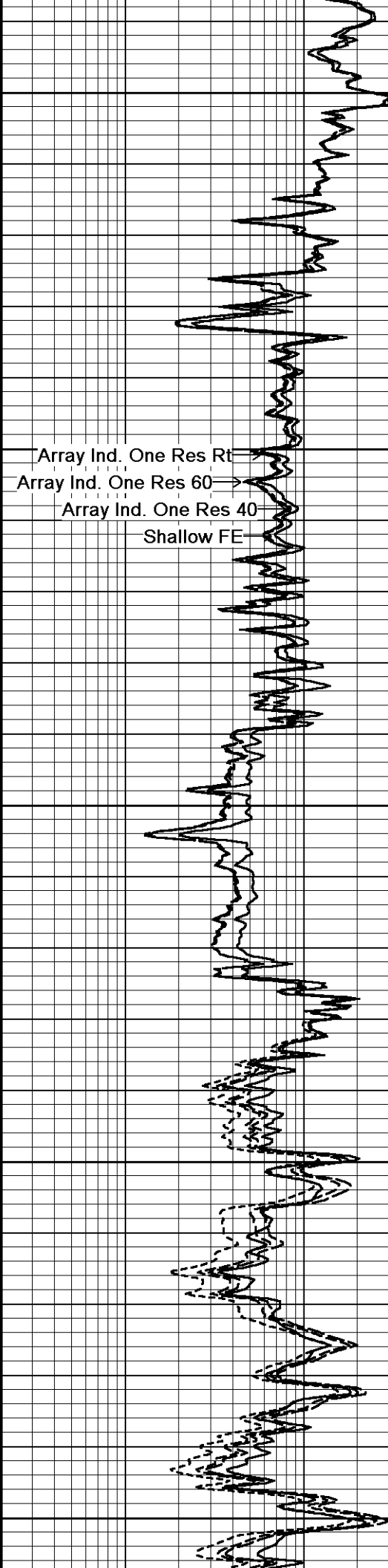
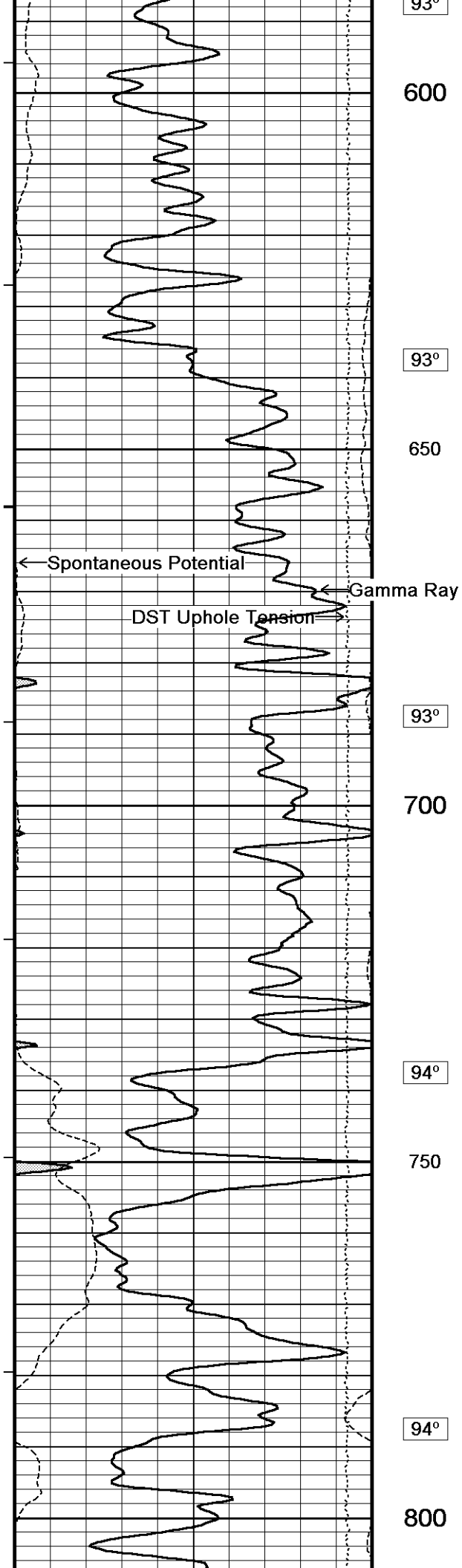


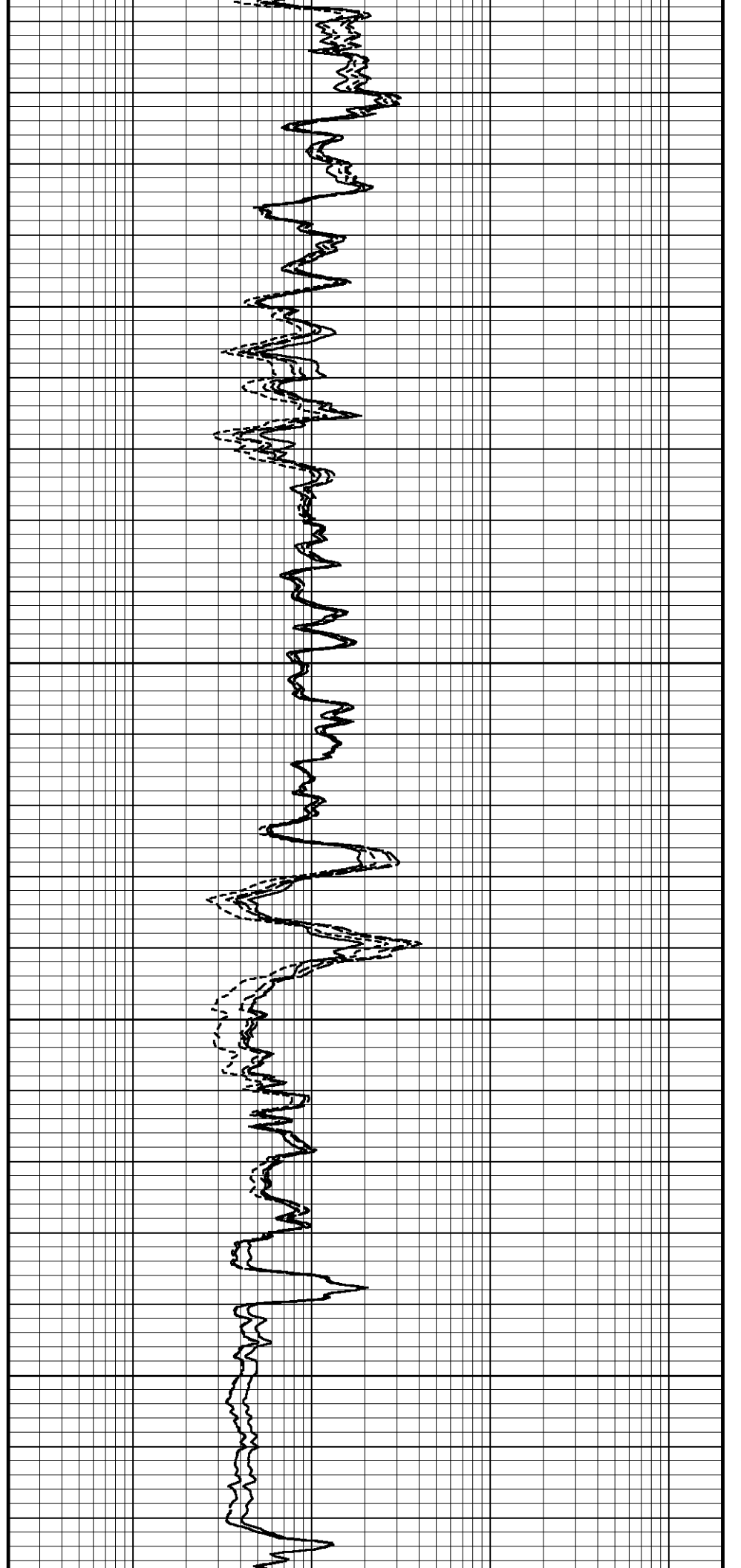
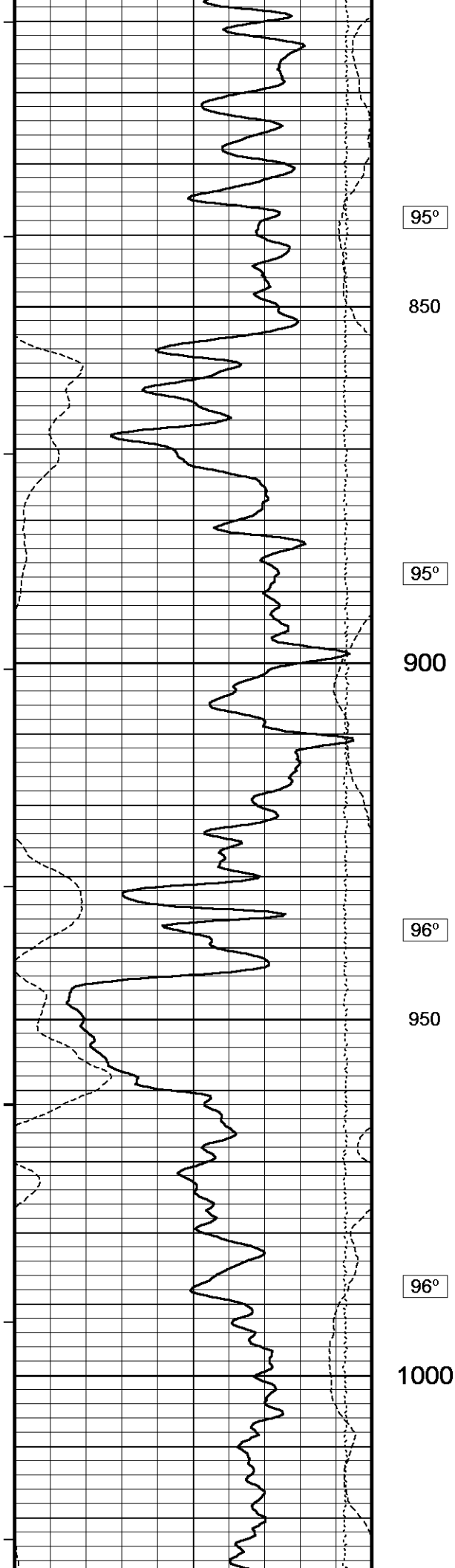


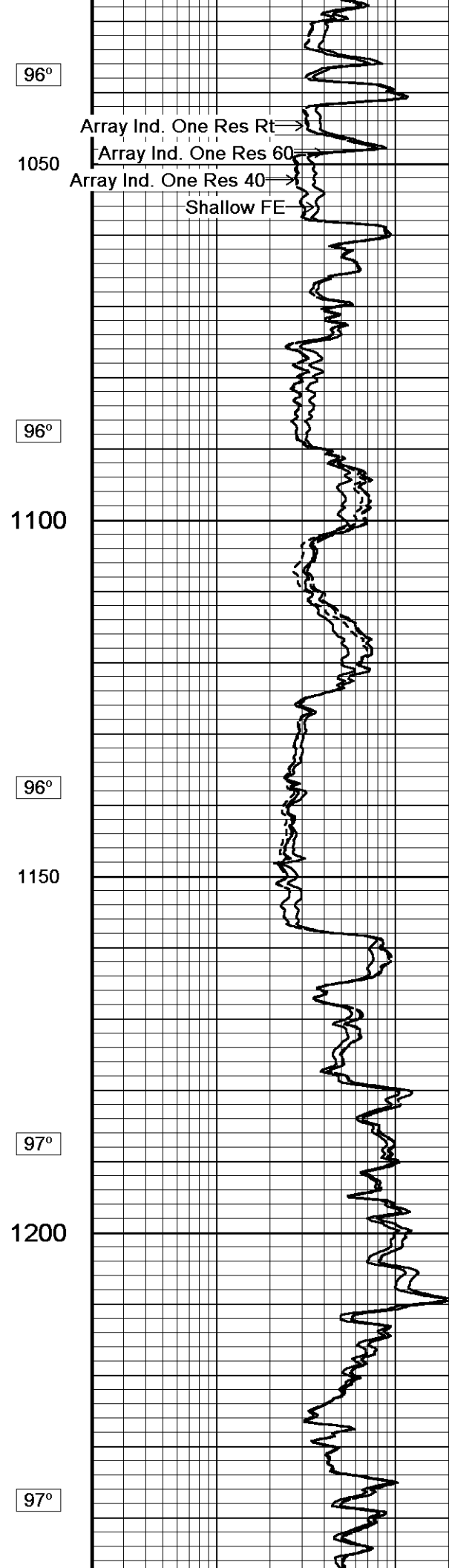
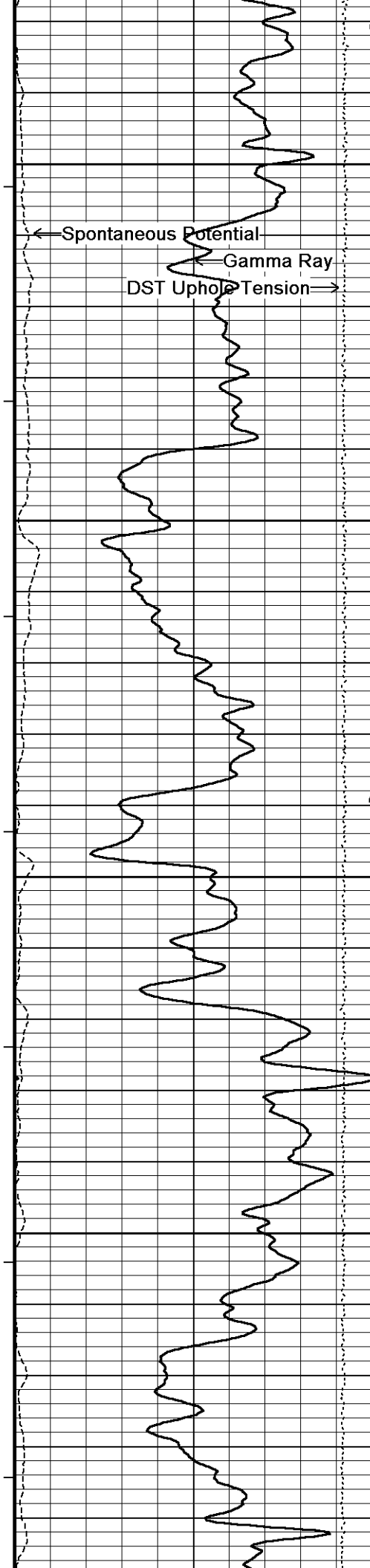




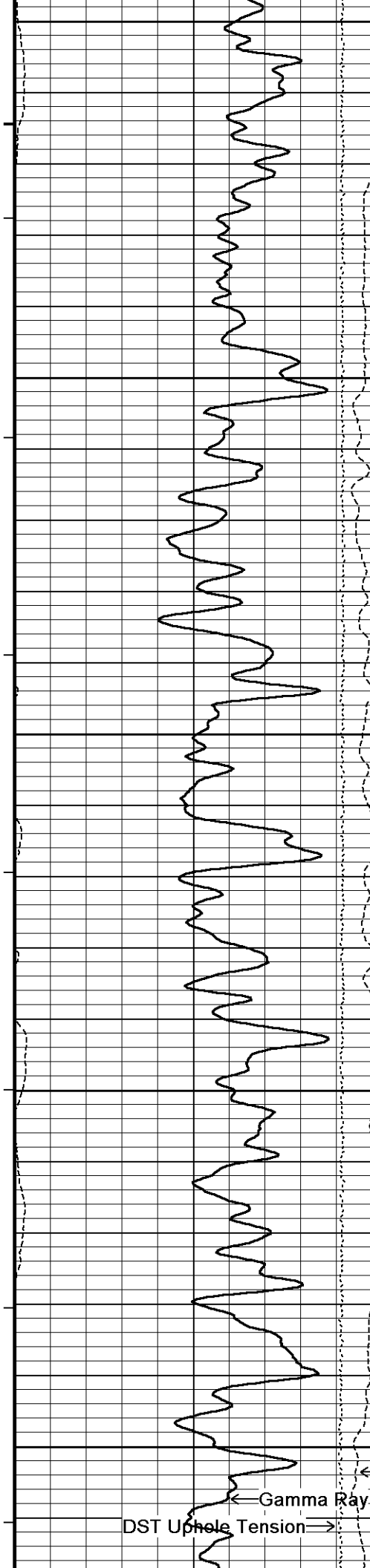








96°
1050
96°
1100
96°
1150
97°
1200
97°



1250

97°

1300

97°

1350

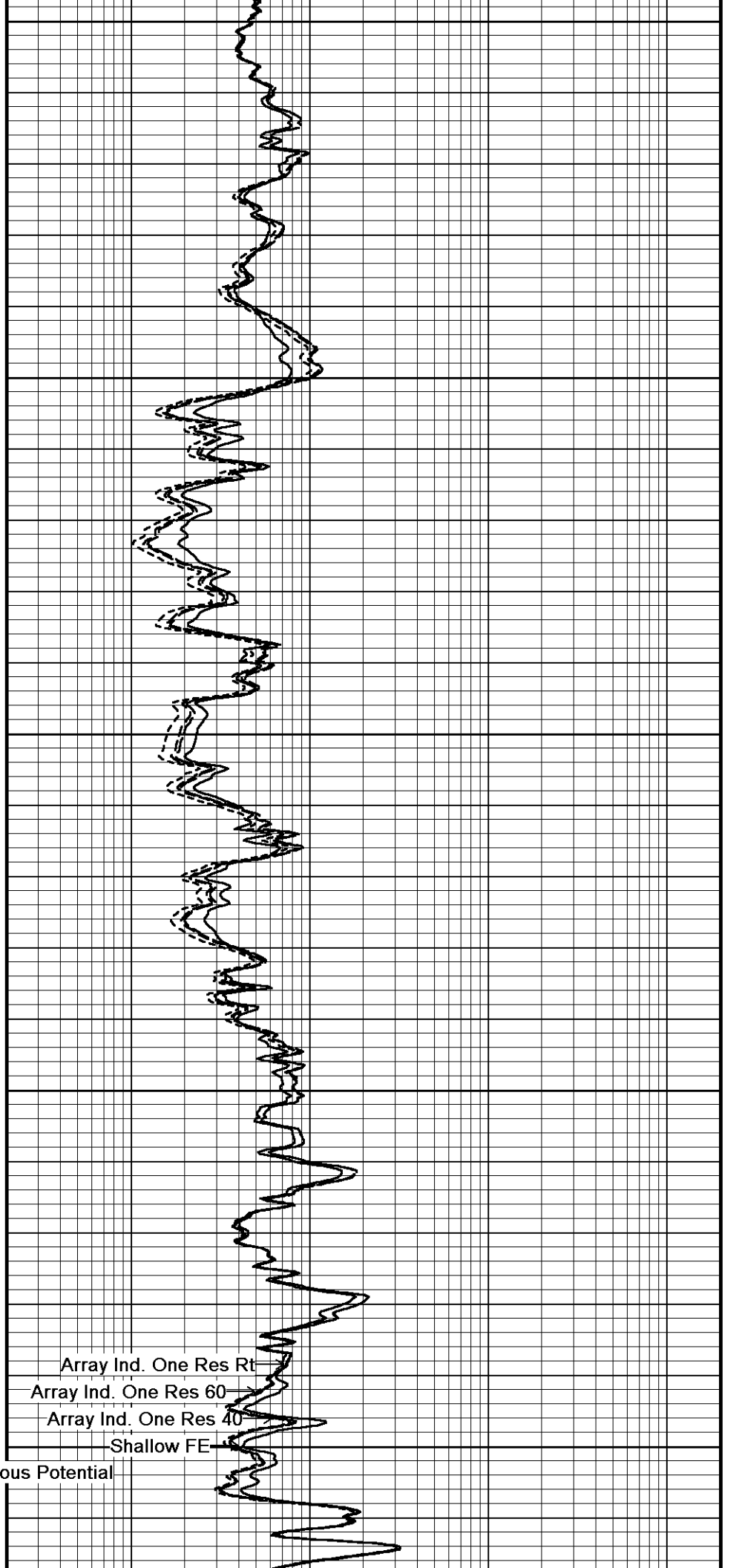
97°

1400

97°

1450

Spontaneous Potential

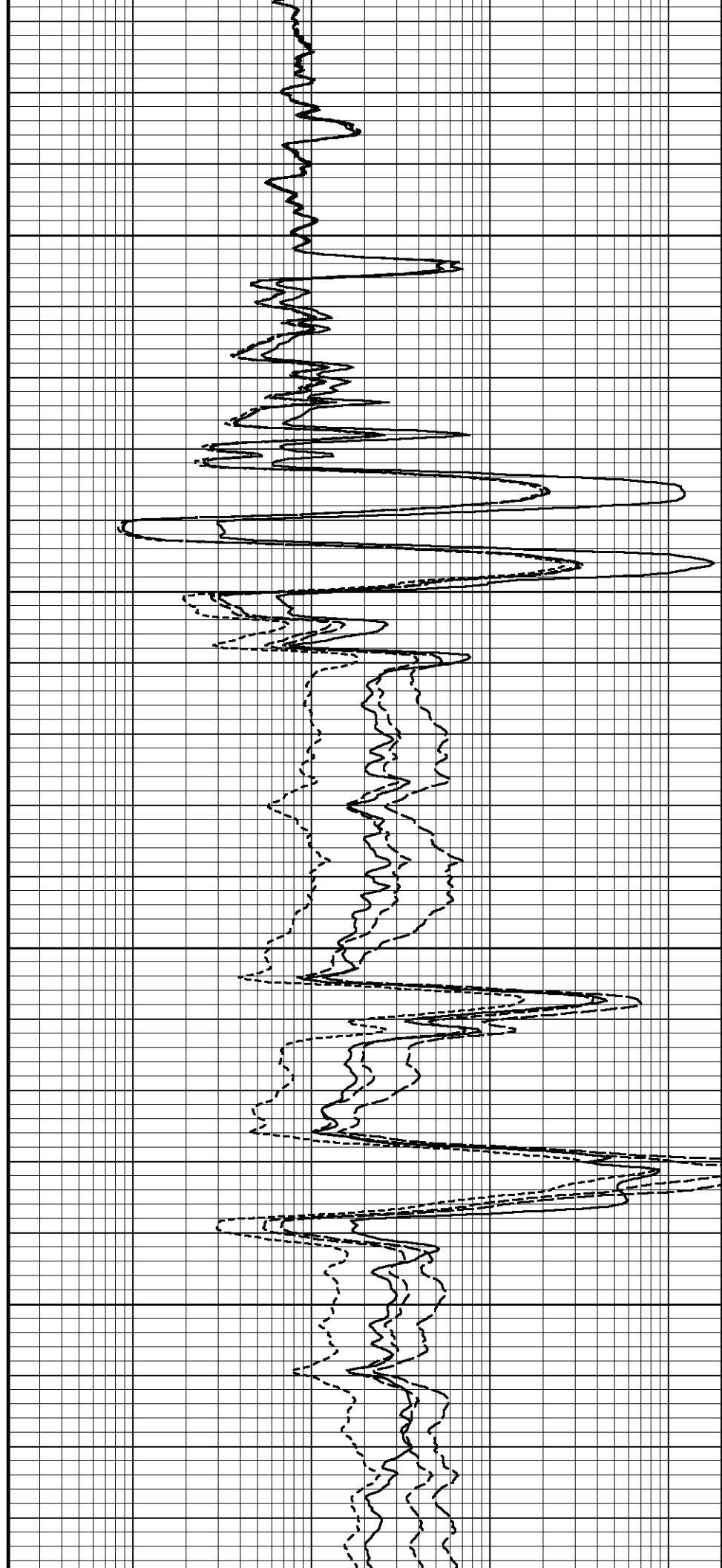
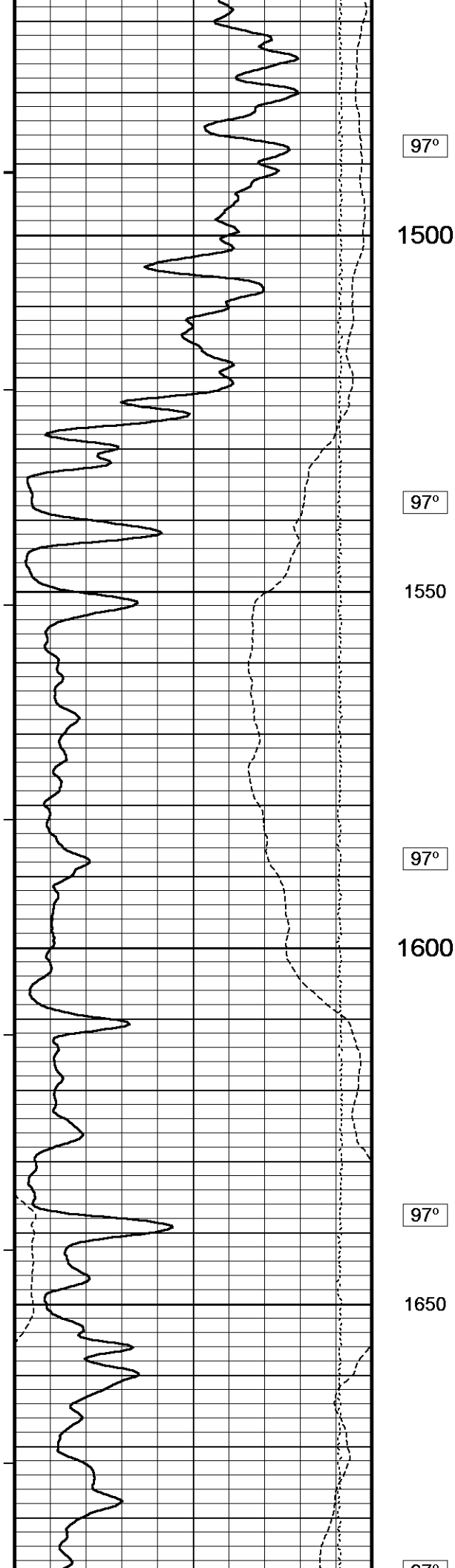


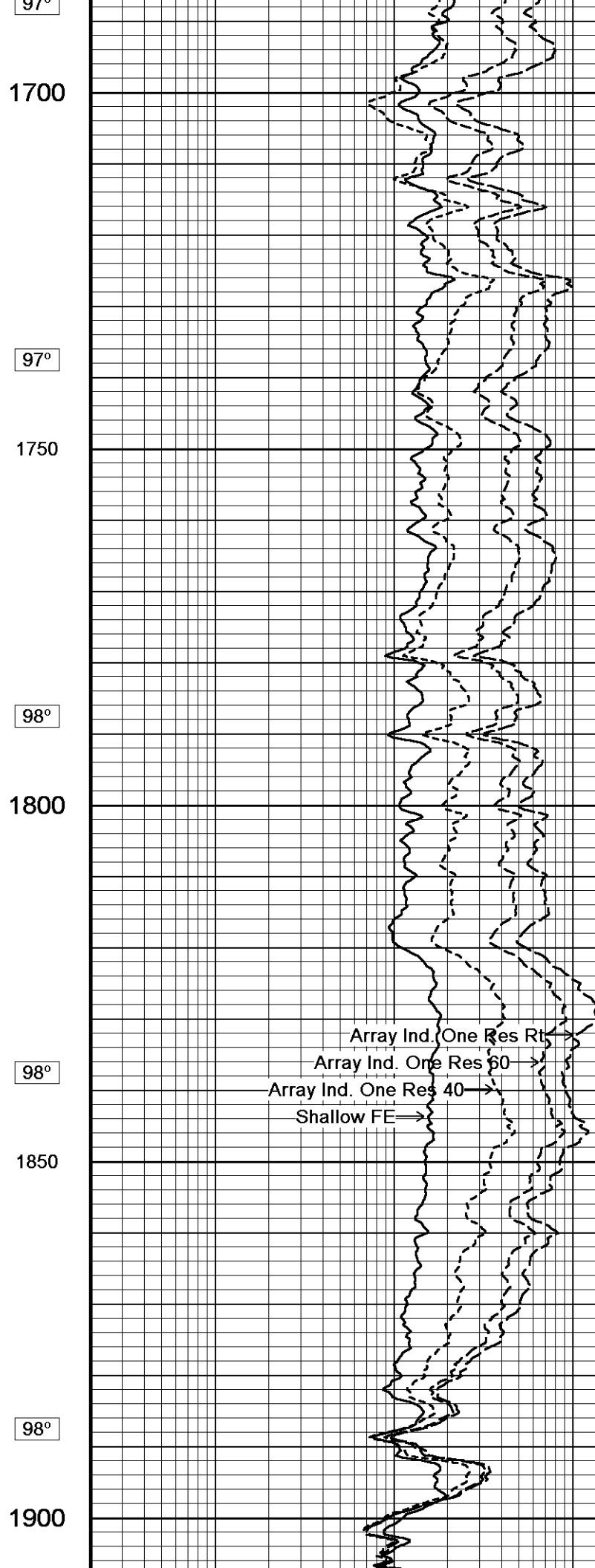
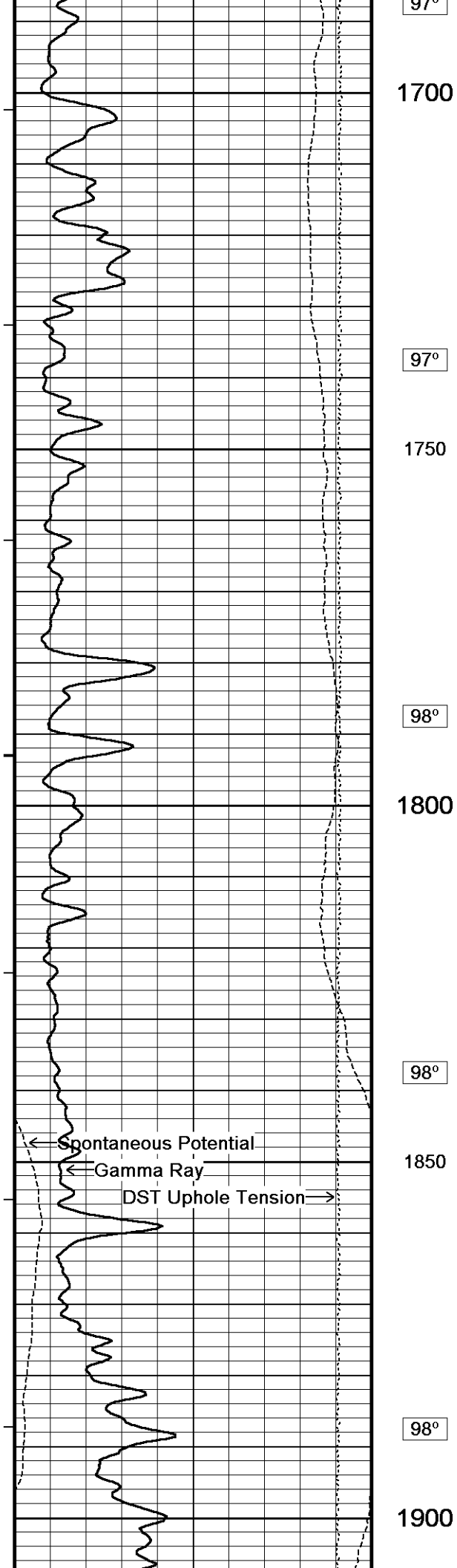
Array Ind. One Res Rt

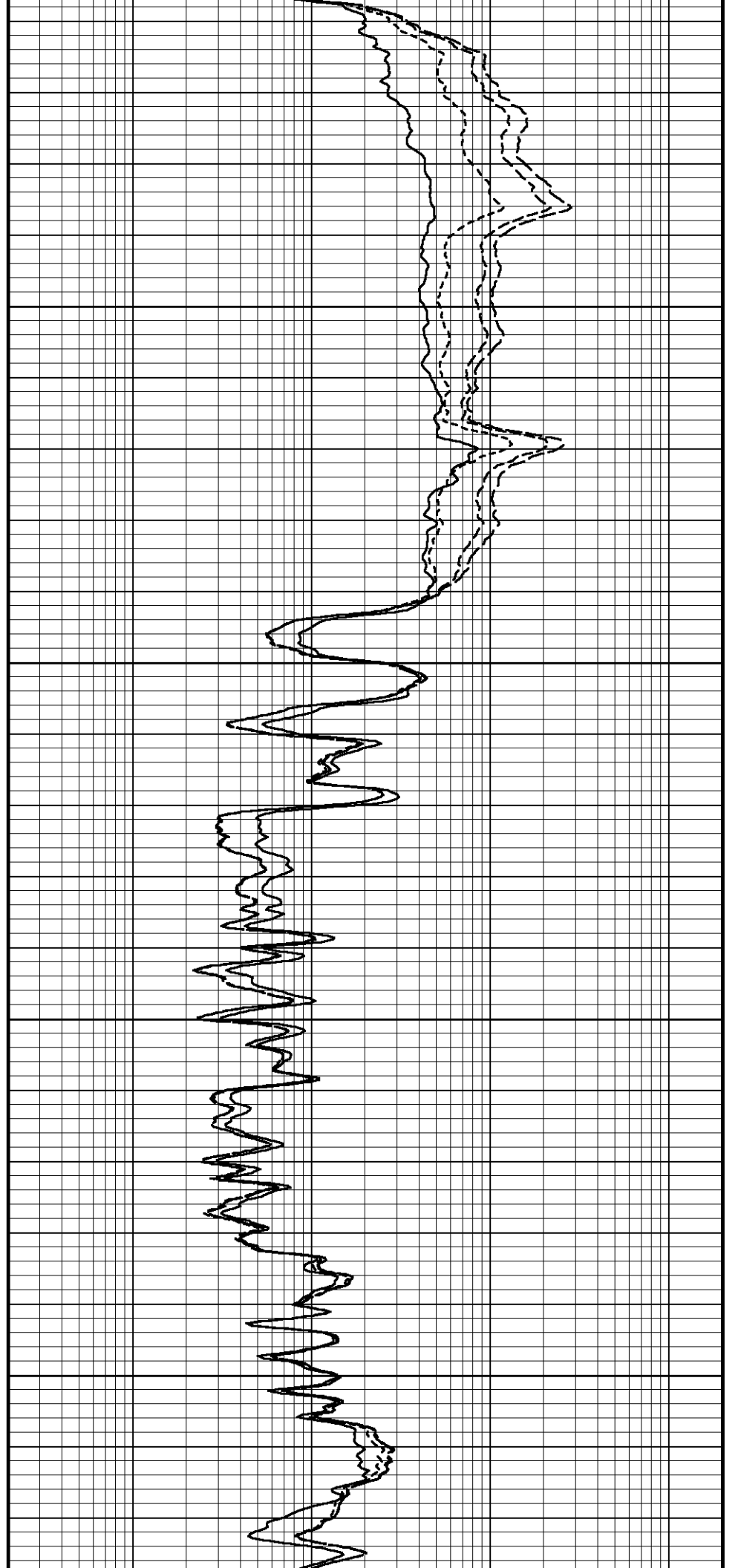
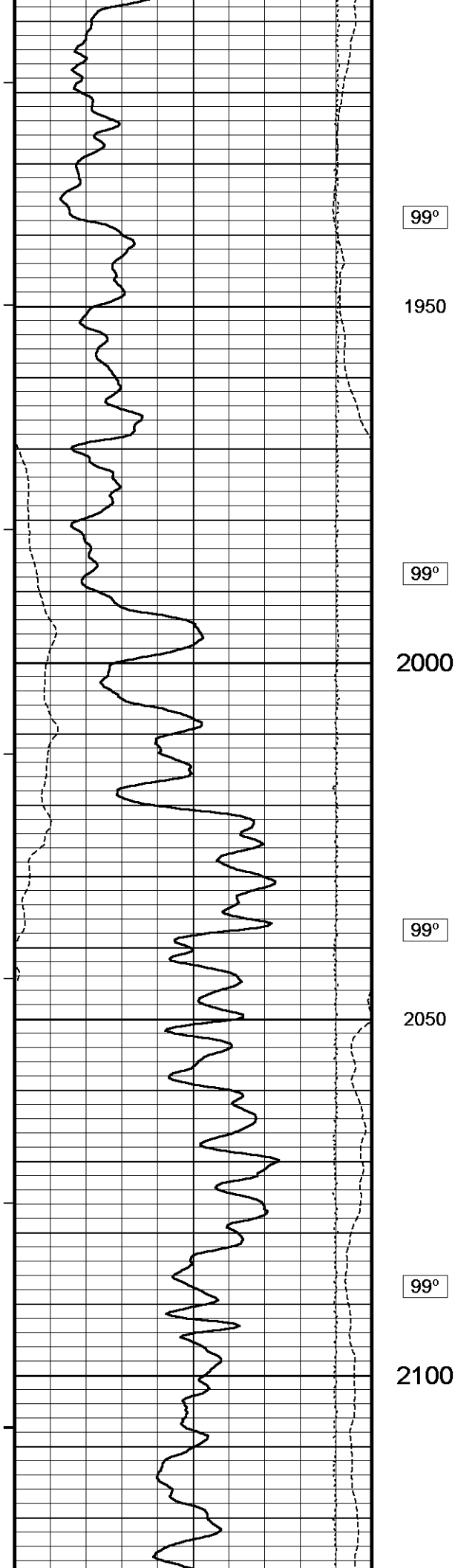
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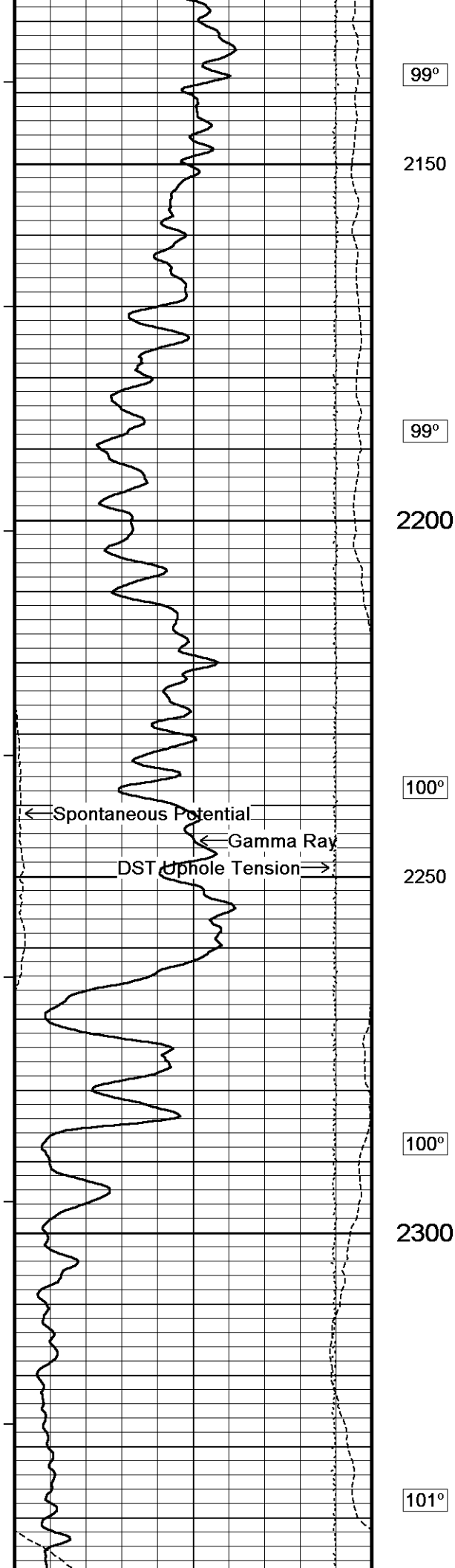
Array Ind. One Res 40

Shallow FE

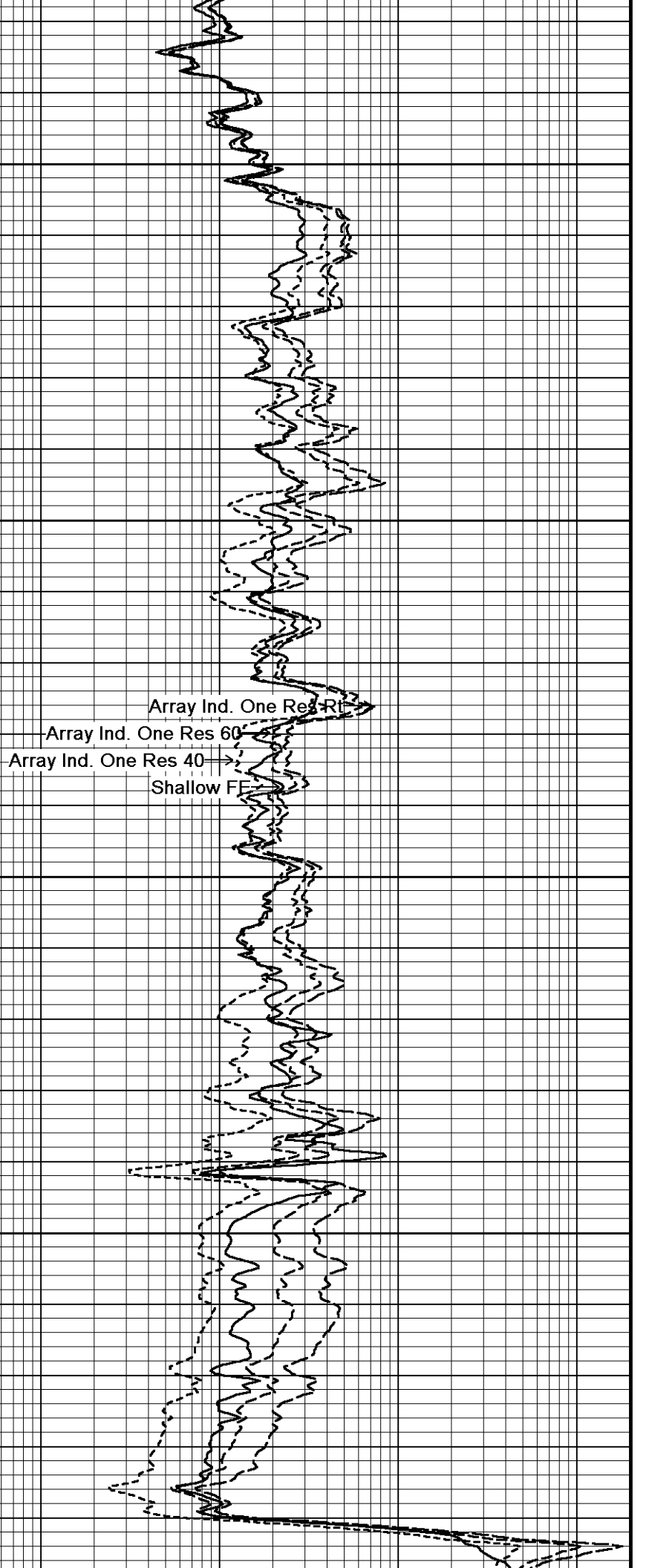


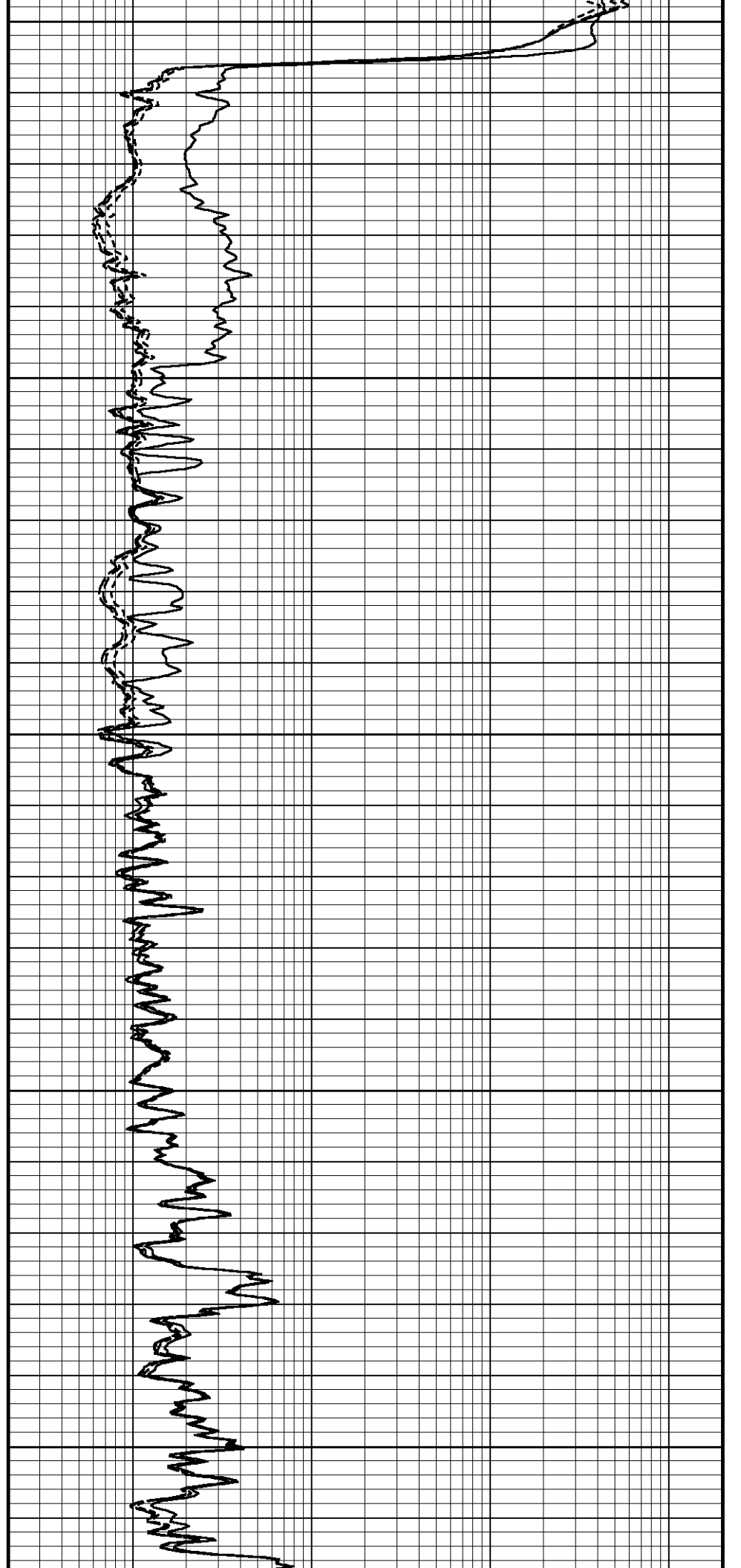
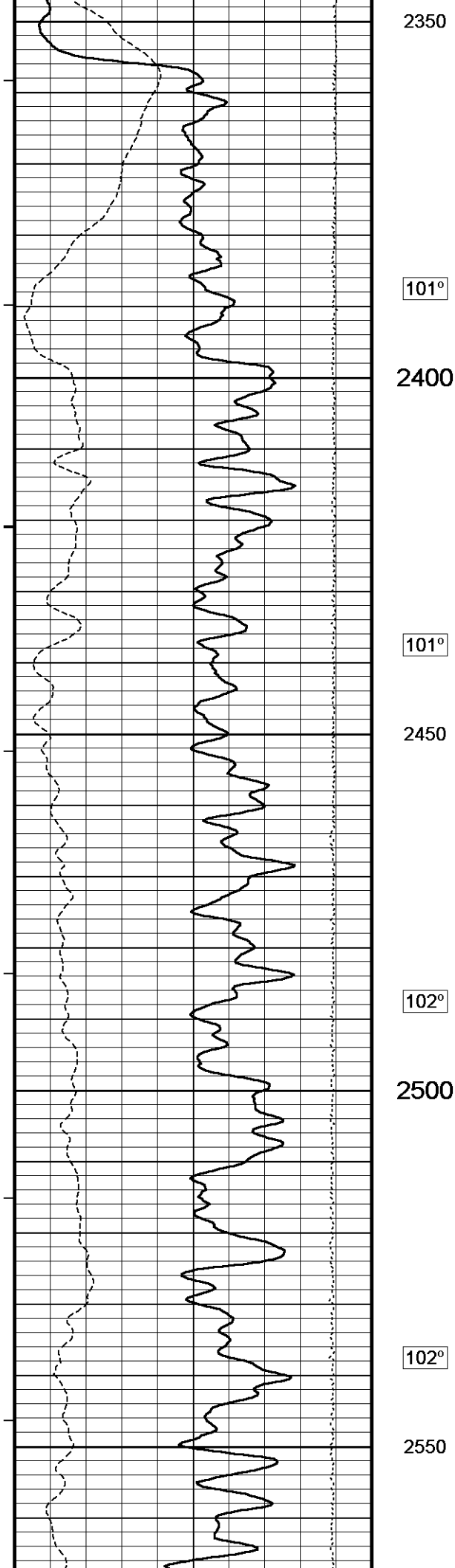


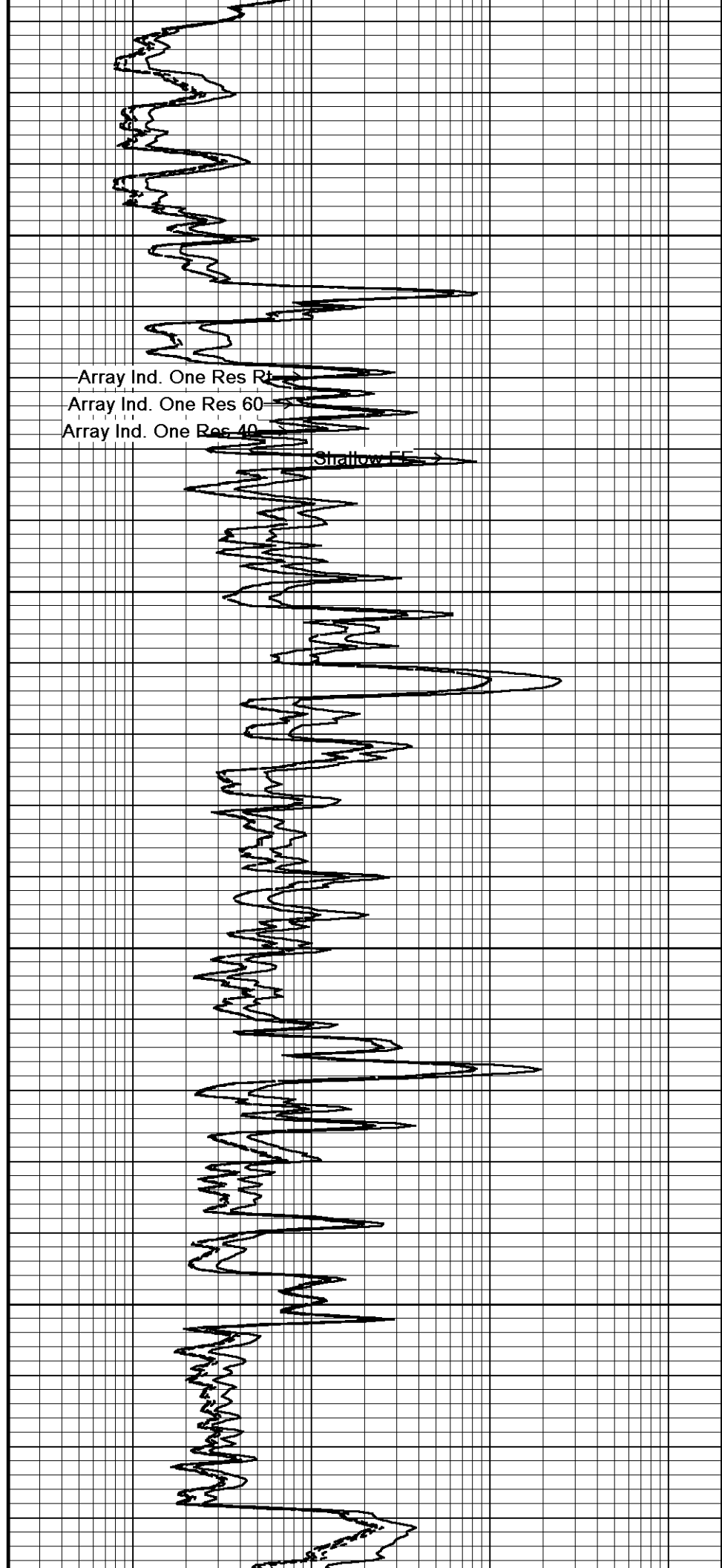
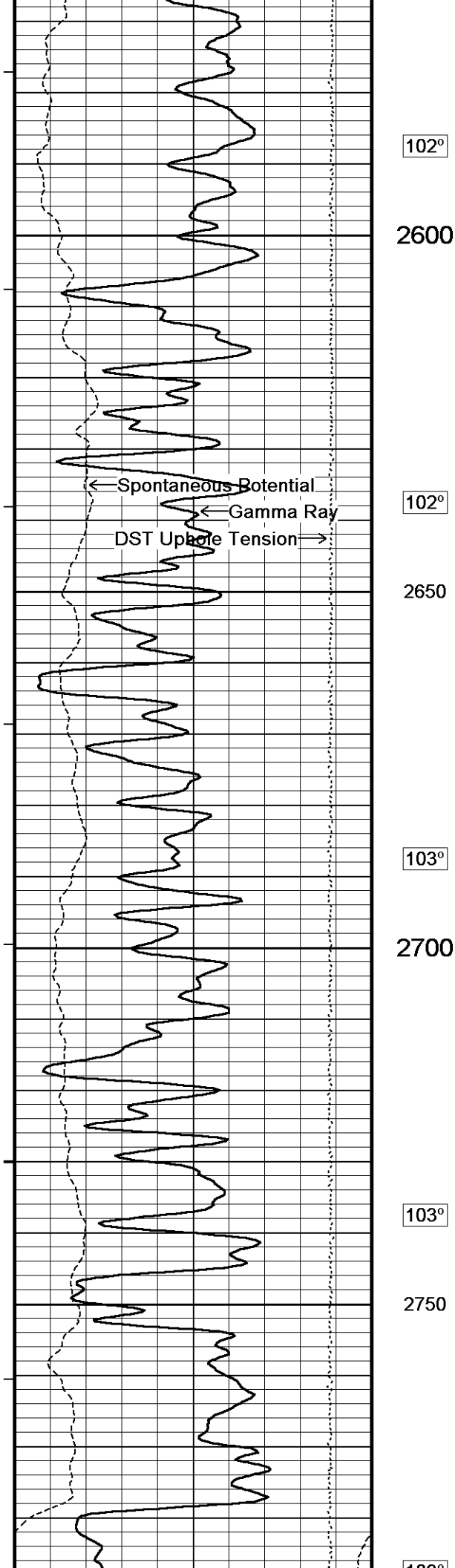


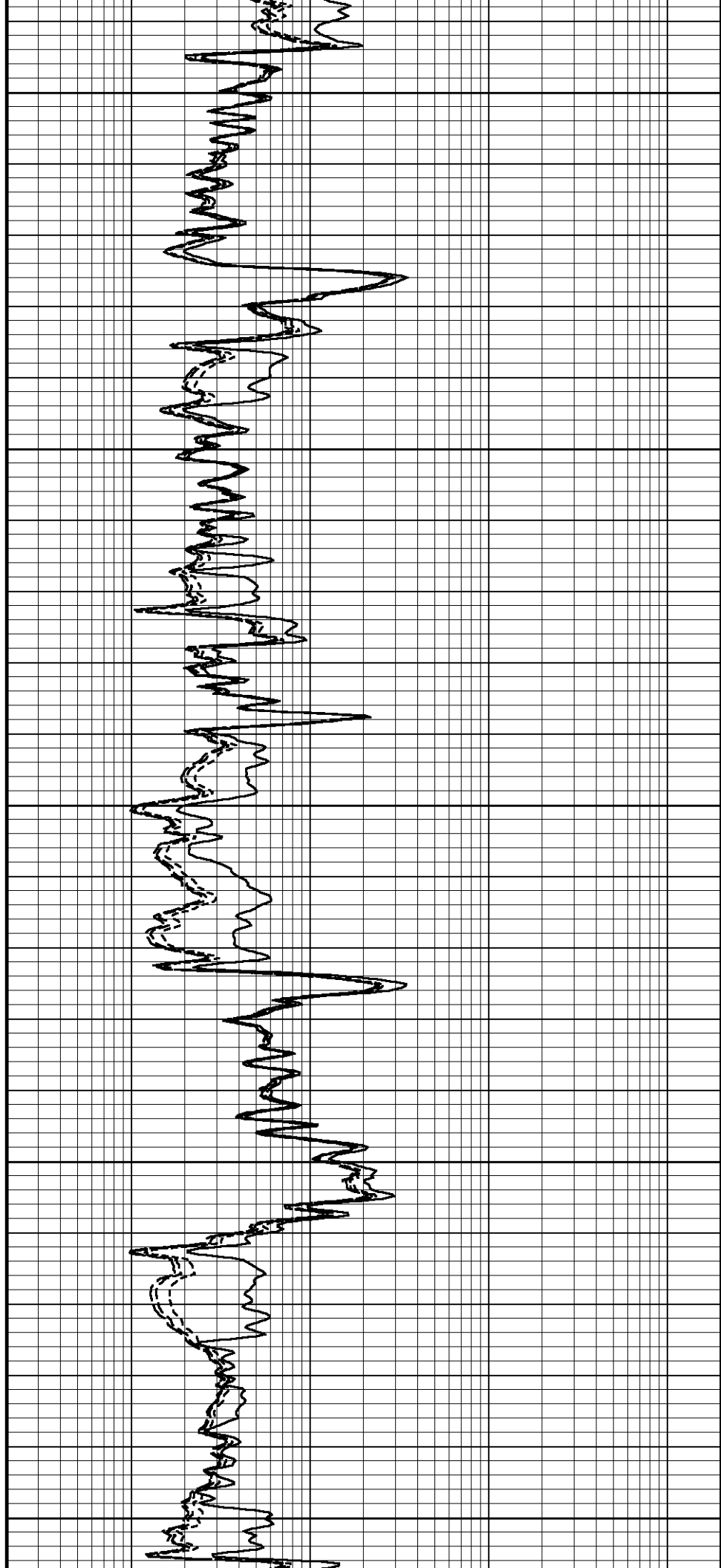
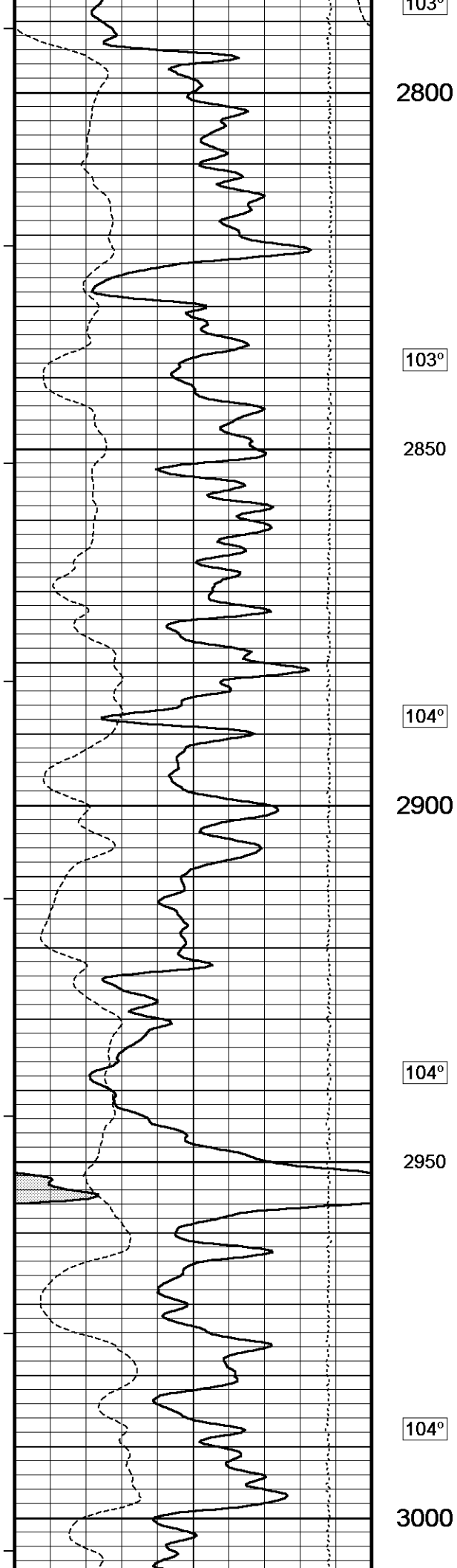


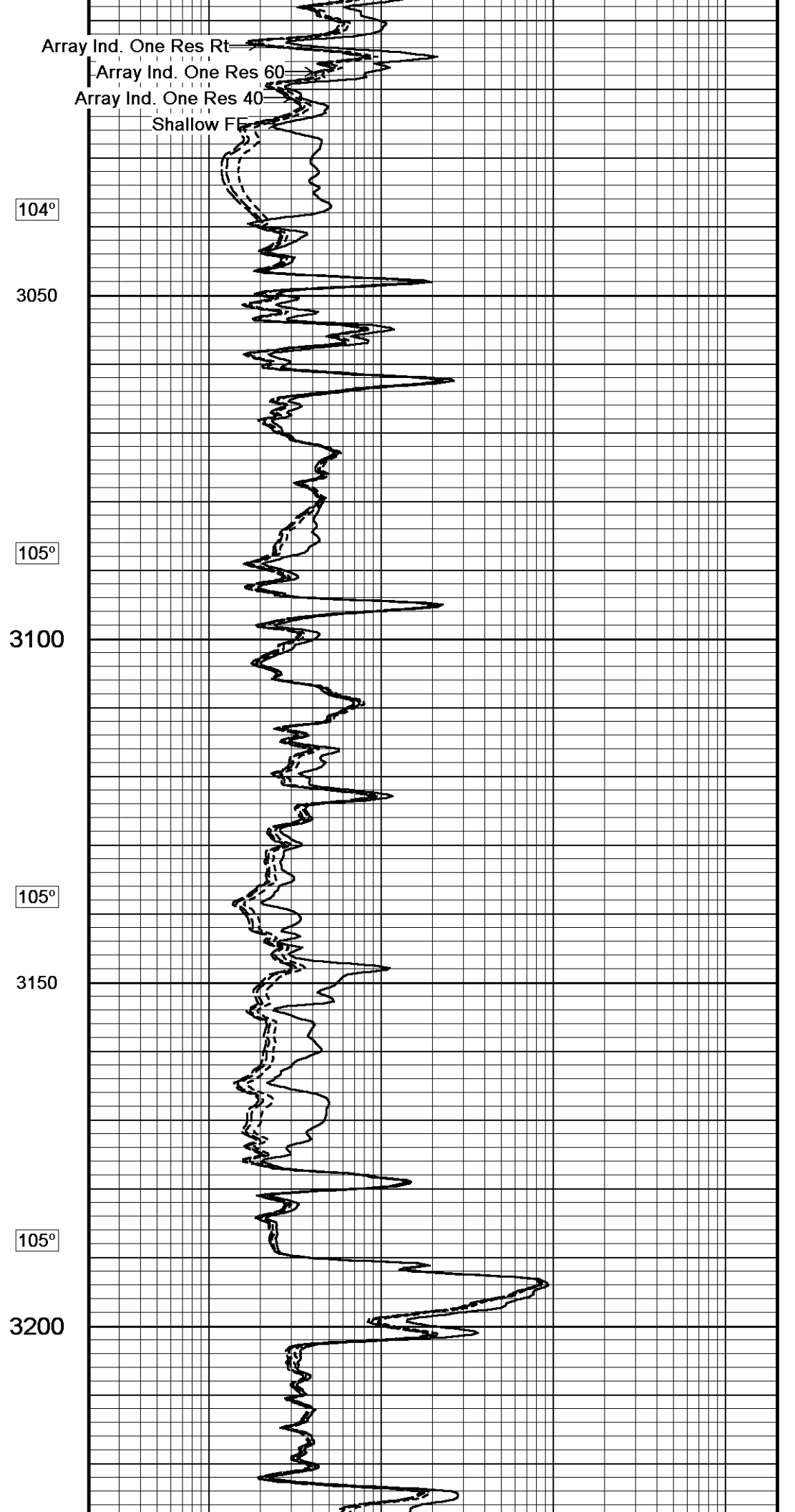
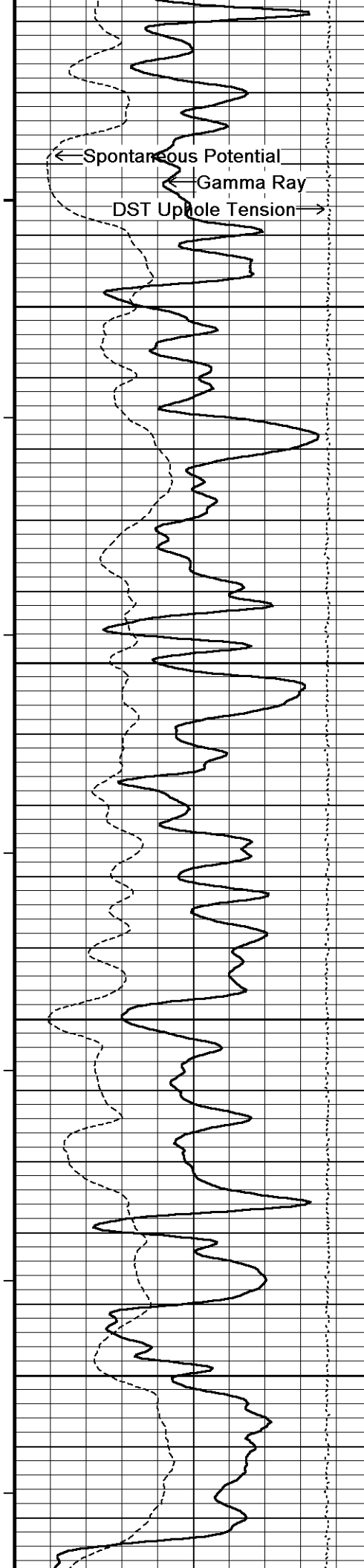
99°
2150
99°
2200
100°
2250
100°
2300
101°











104°

3050

105°

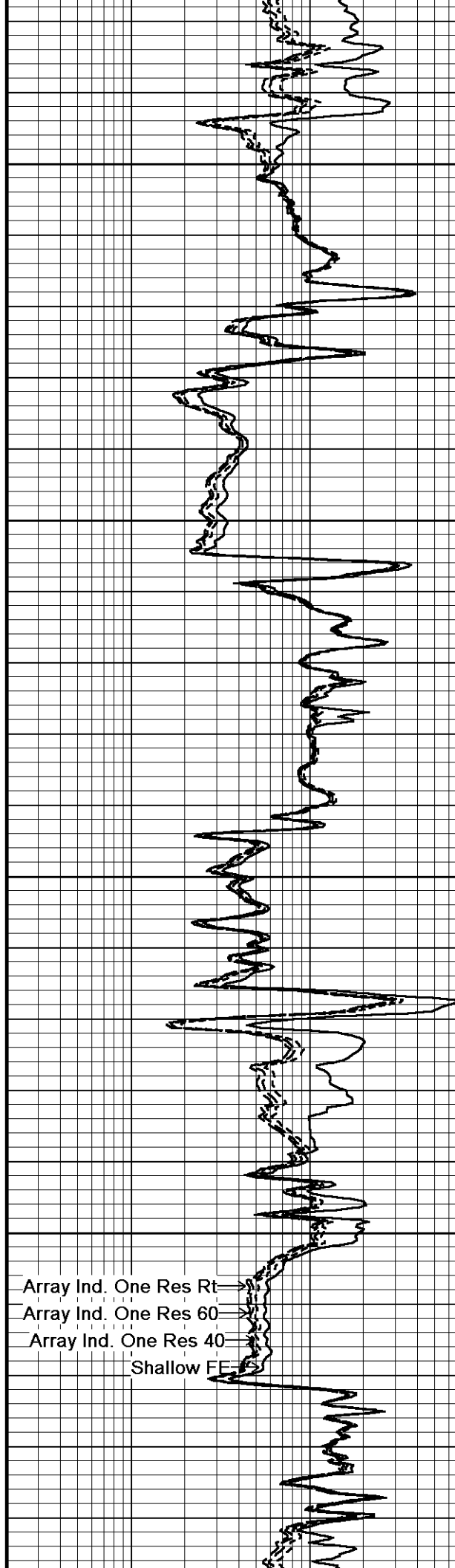
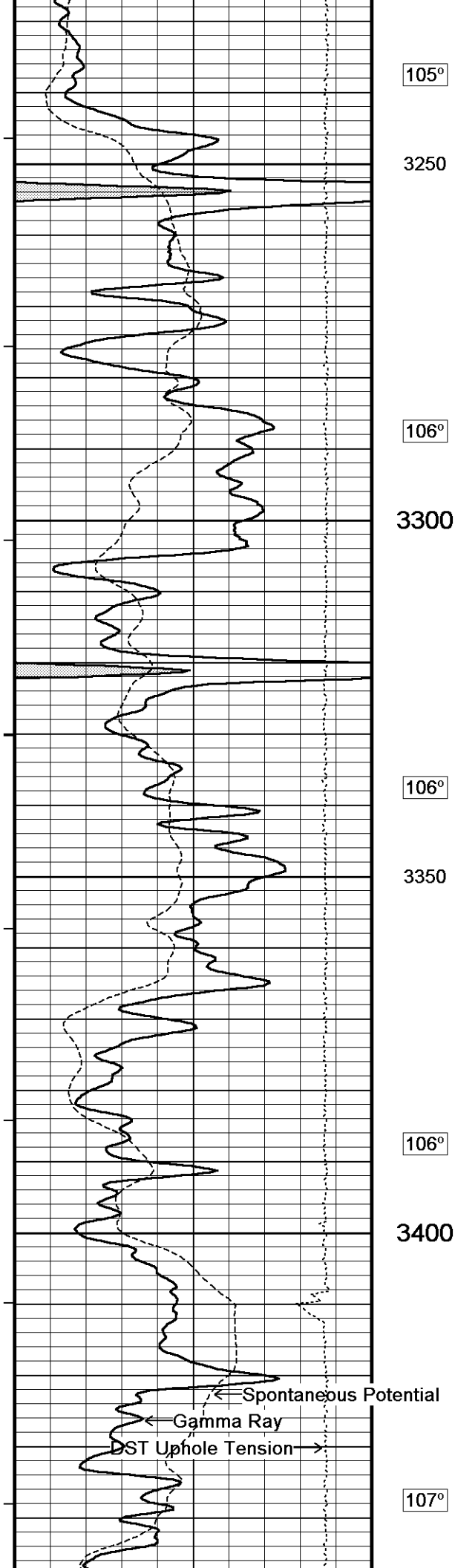
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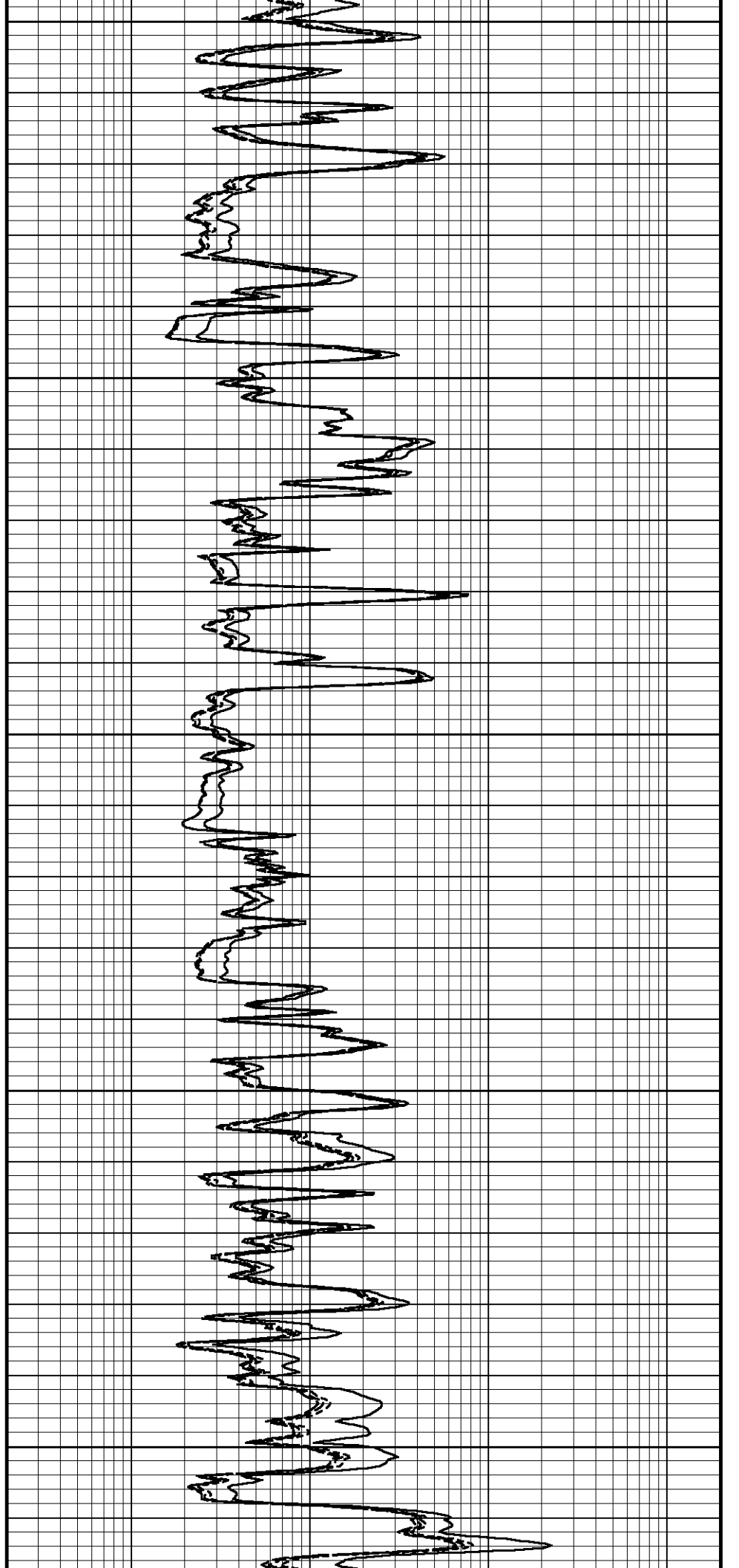
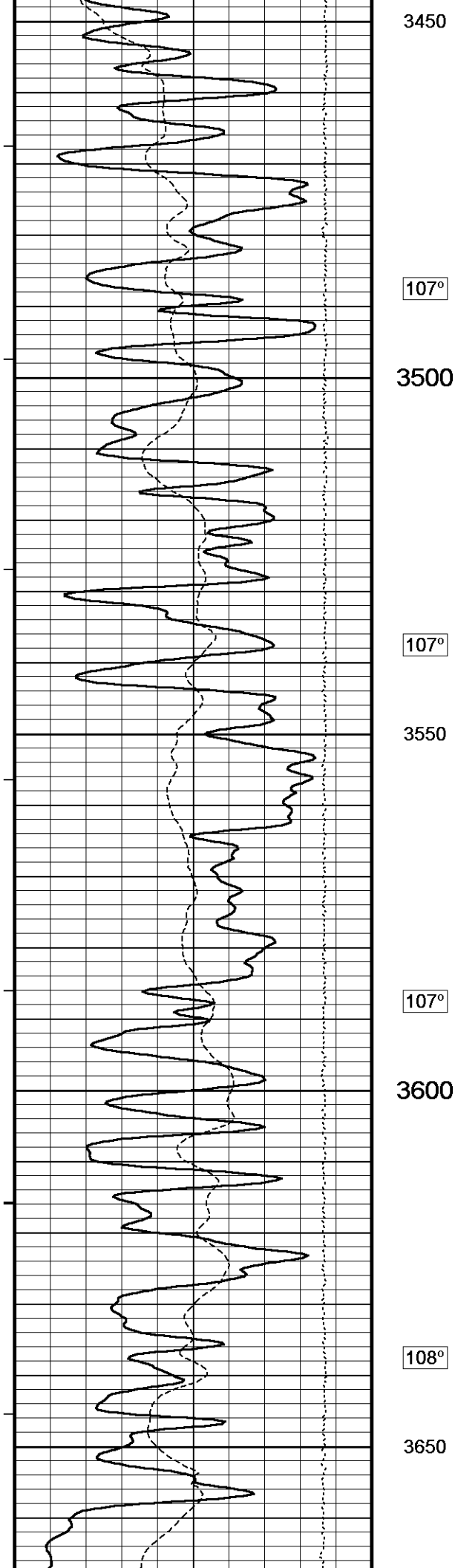
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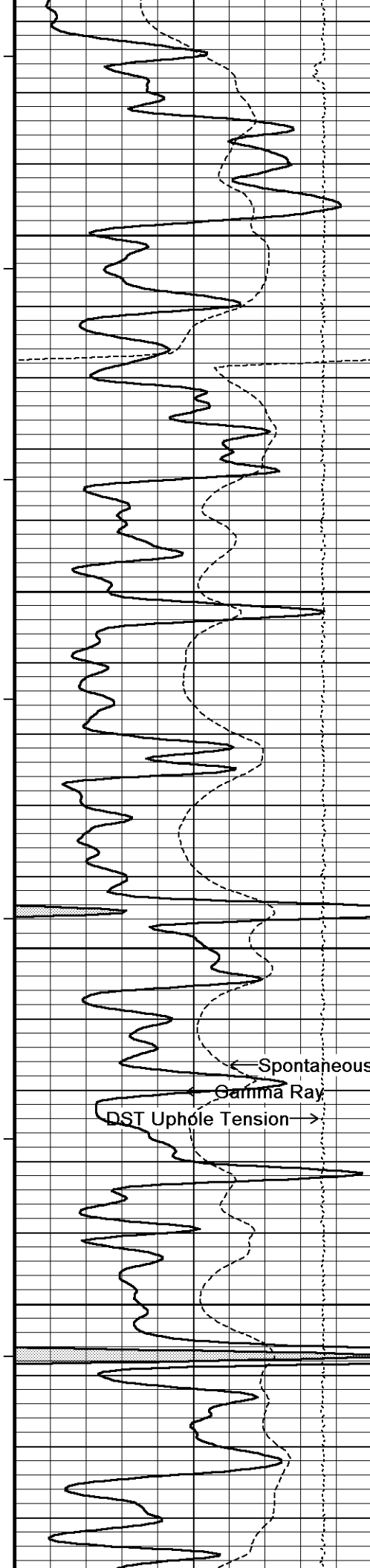
3150

105°

3200







108°

3700

108°

3750

109°

3800

109°

3850

100°

← Spontaneous Potential

← Gamma Ray

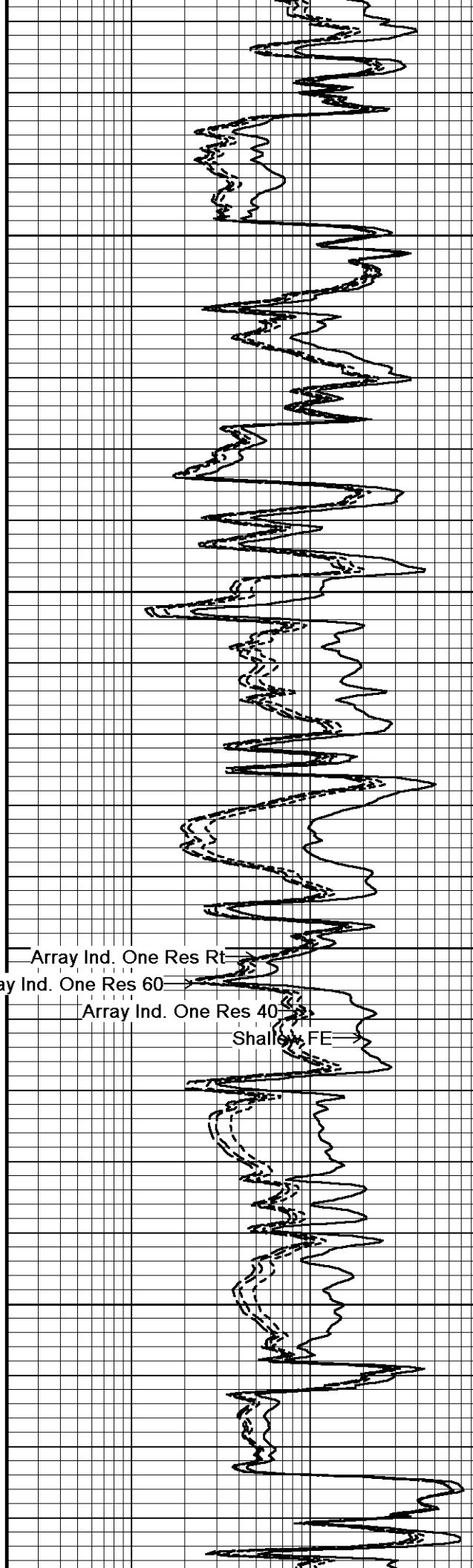
DST Uphole Tension →

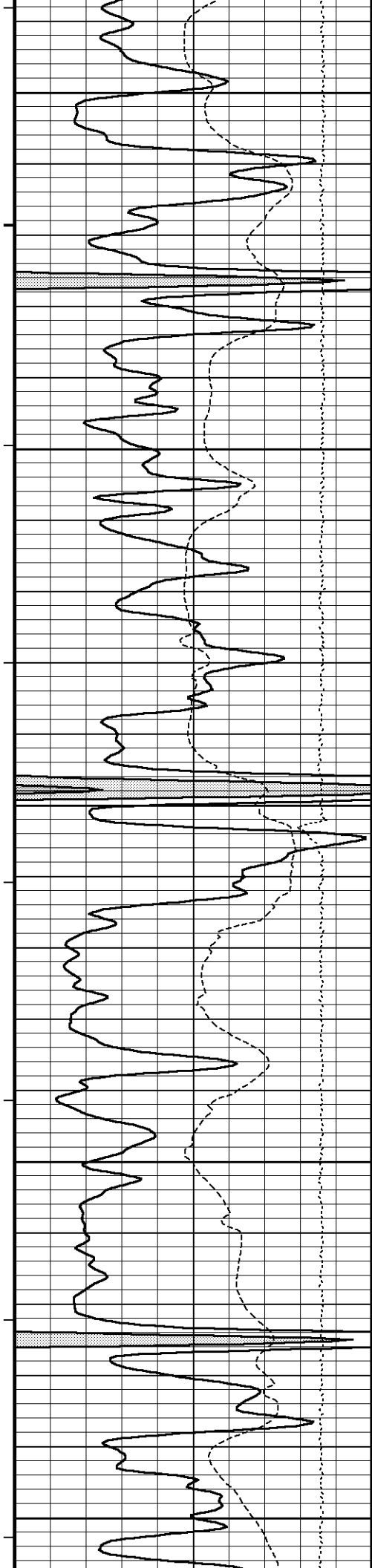
Array Ind. One Res Rt →

Array Ind. One Res 60 →

Array Ind. One Res 40 →

Shallow FE →





109°

3900

109°

3950

109°

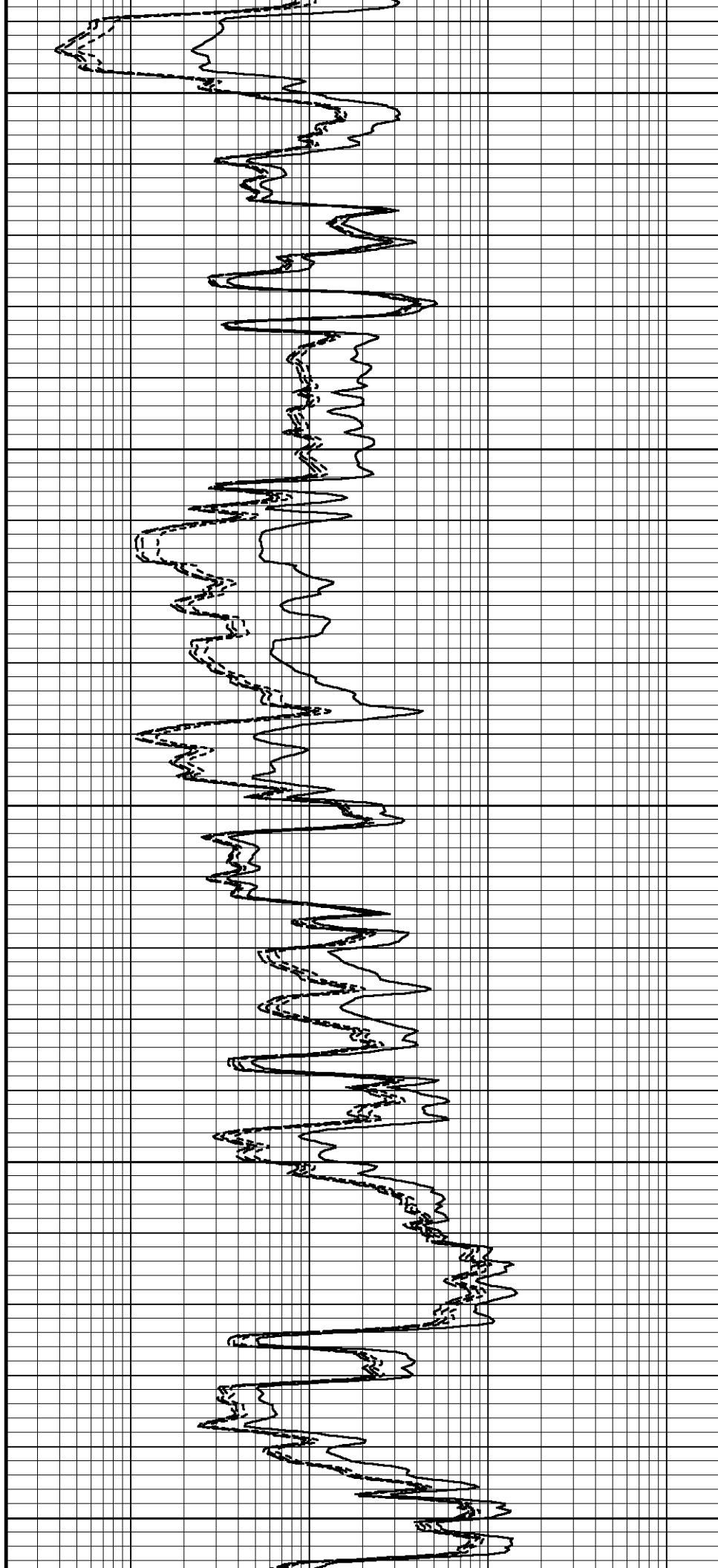
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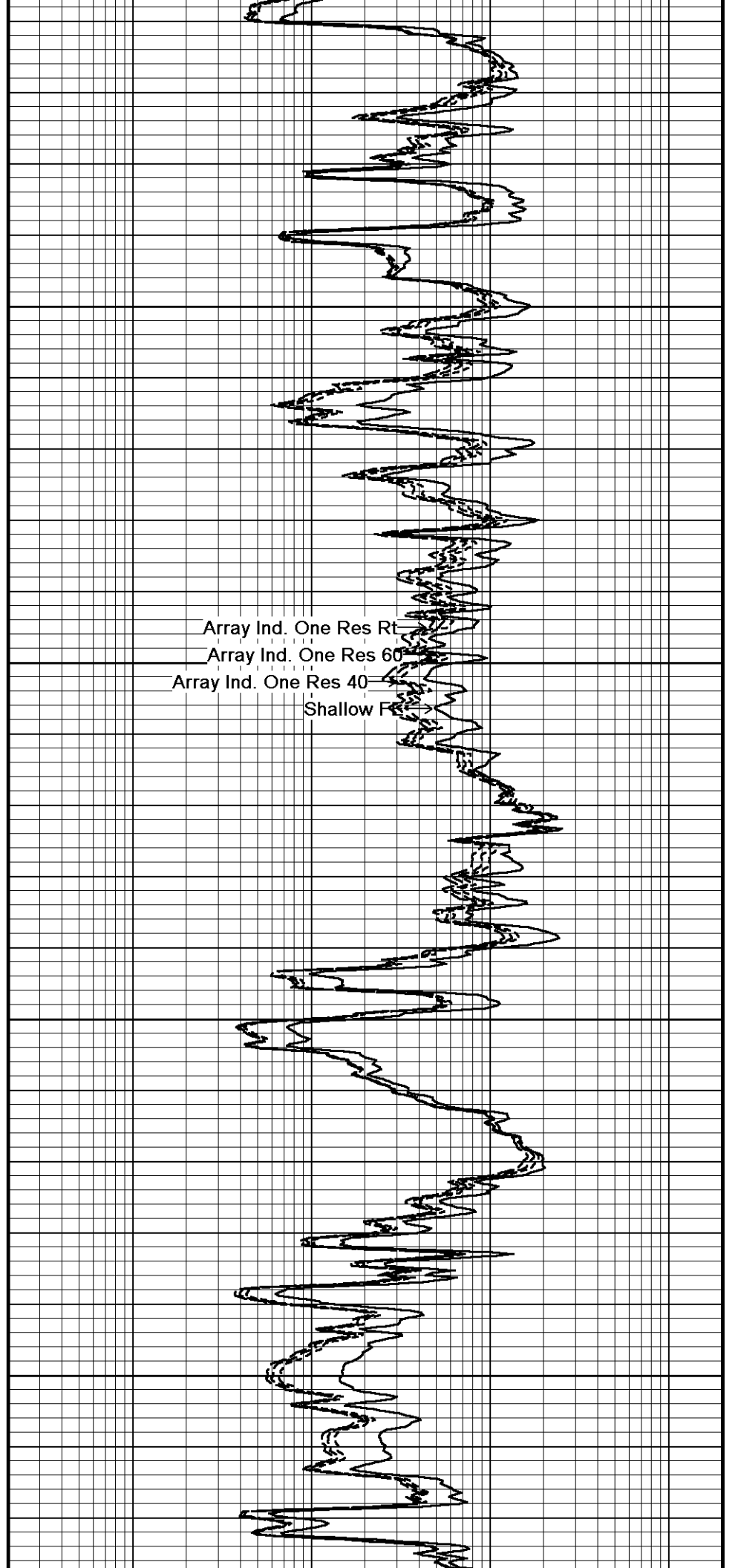
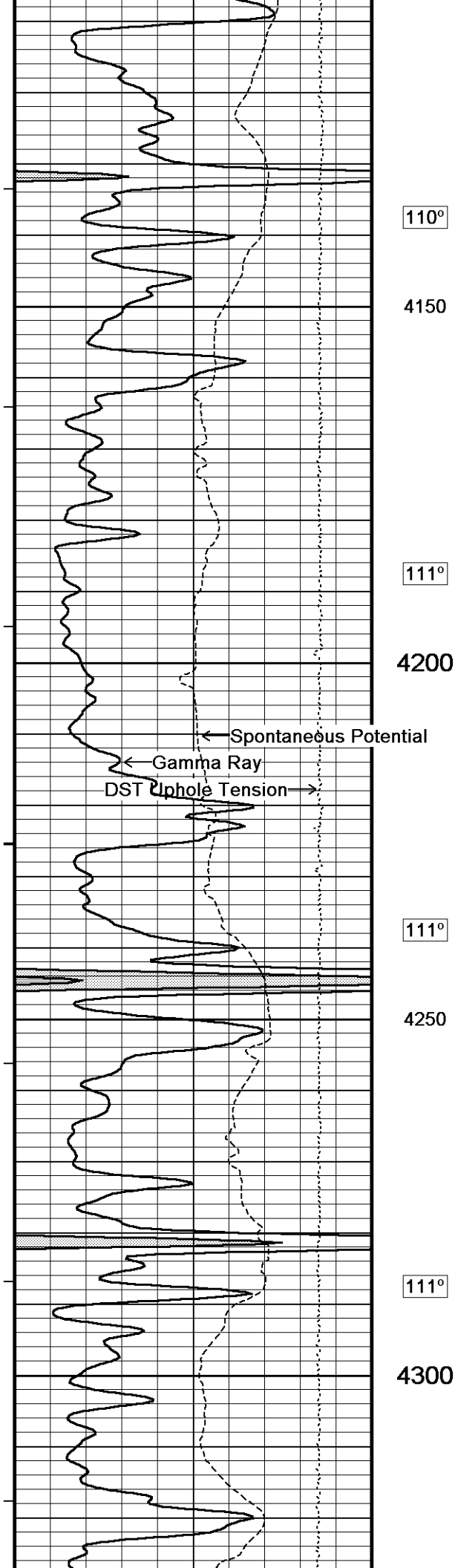
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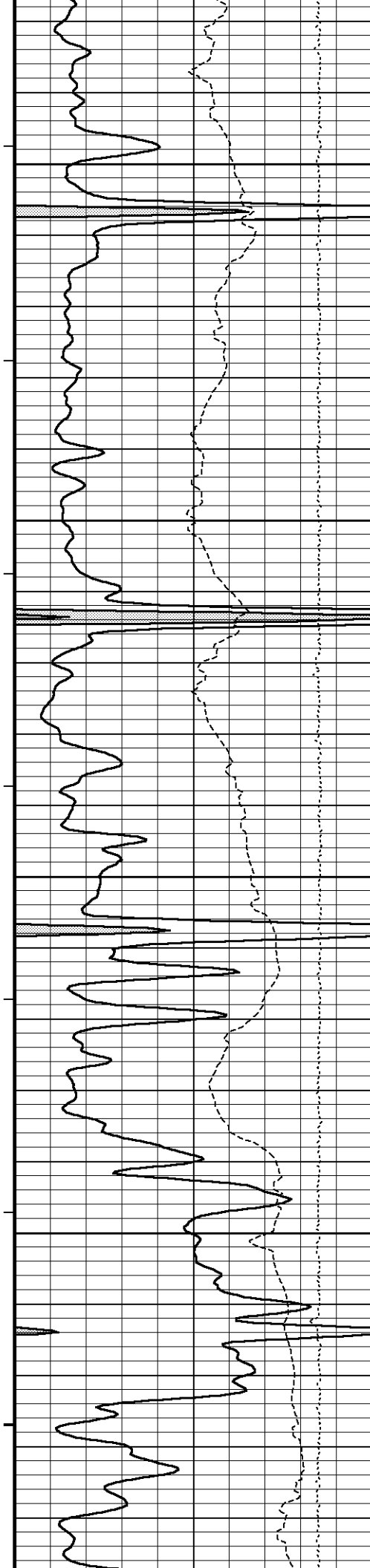
4050

110°

4100







111°

4350

112°

4400

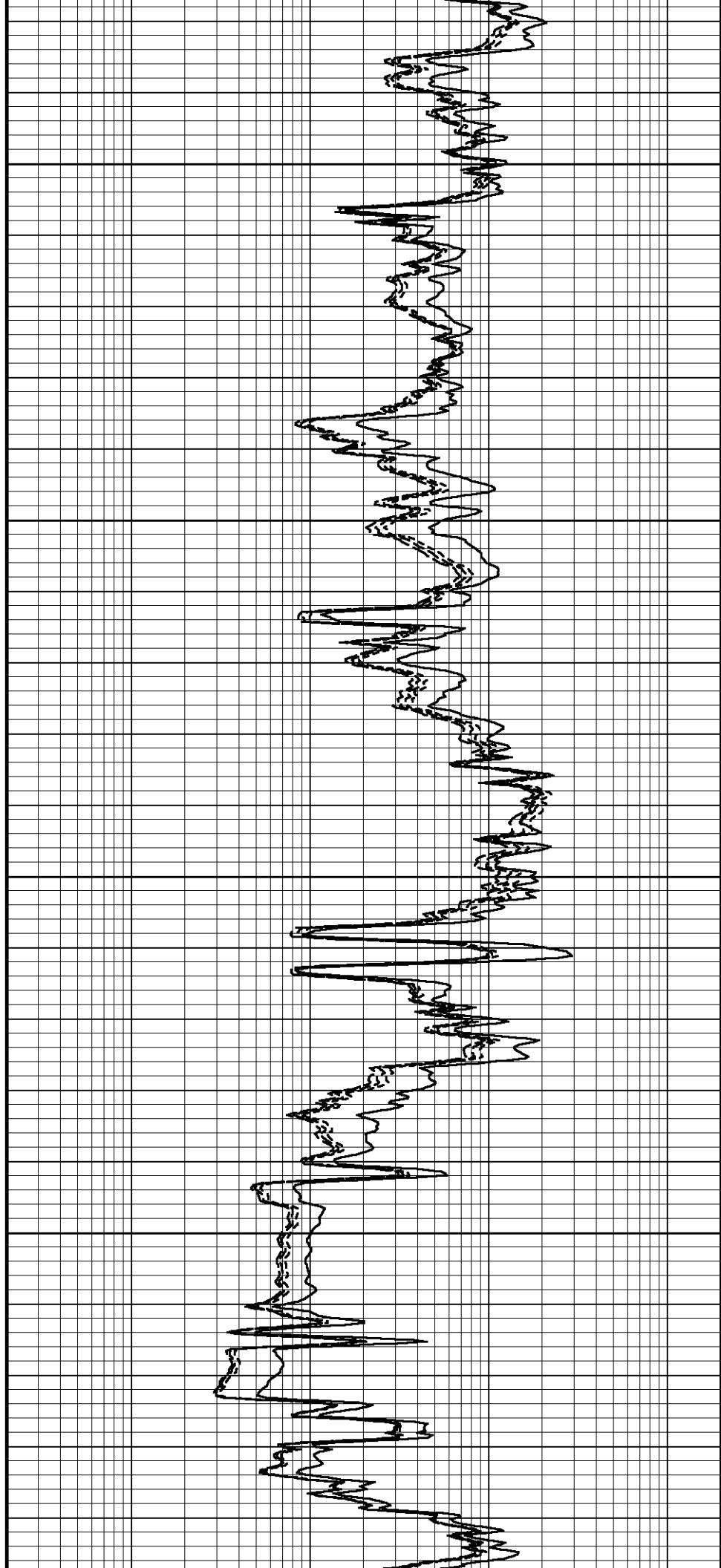
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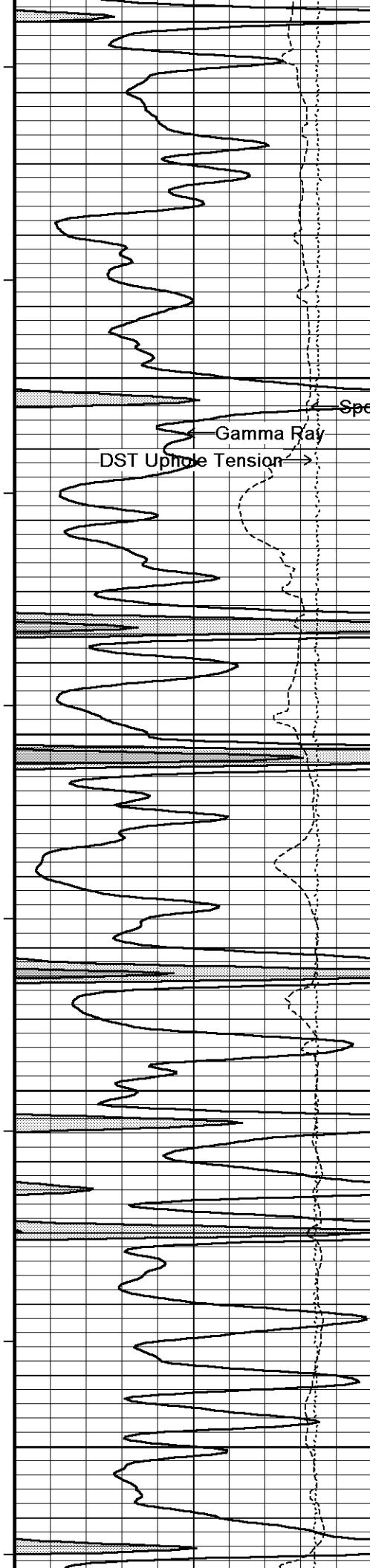
4450

112°

4500

113°





4550

113°

4600

114°

4650

114°

4700

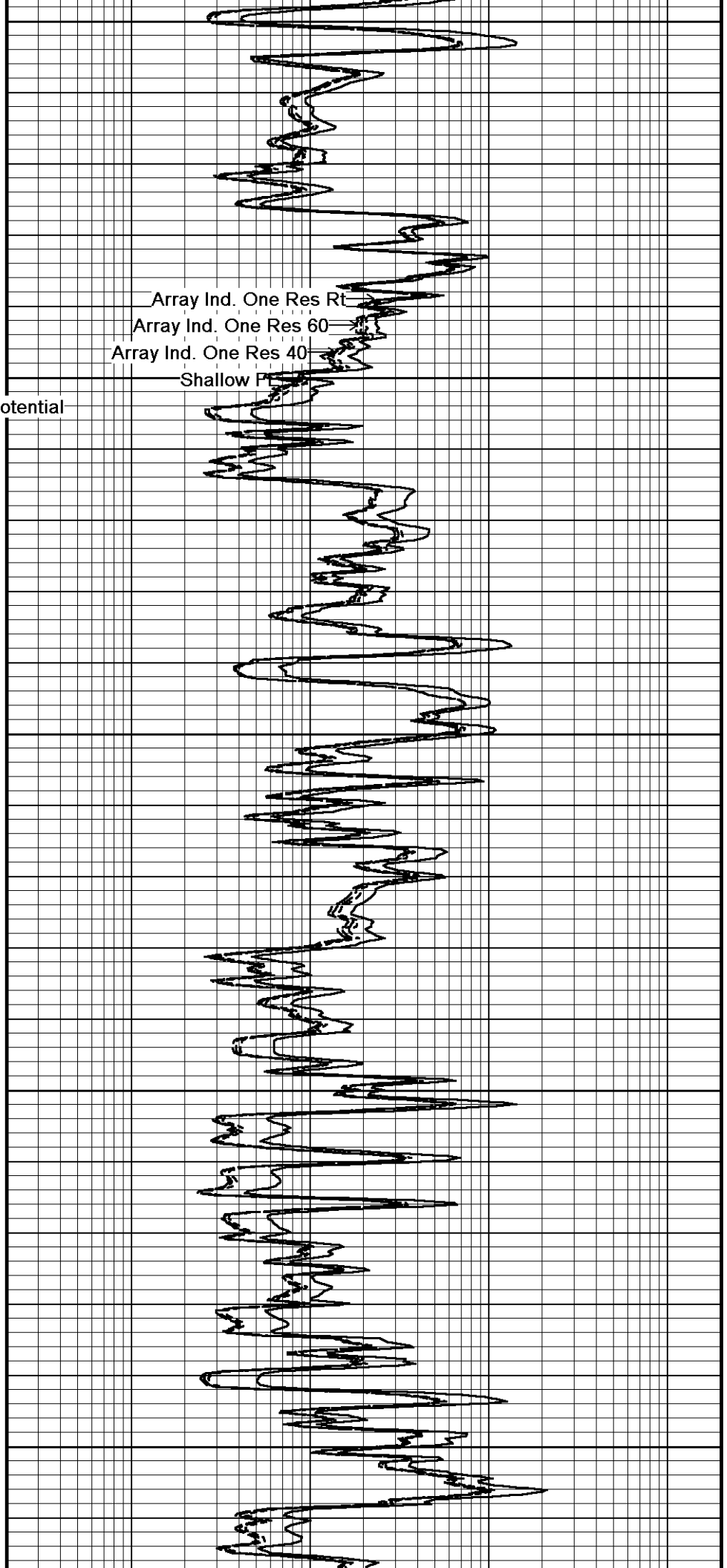
115°

4750

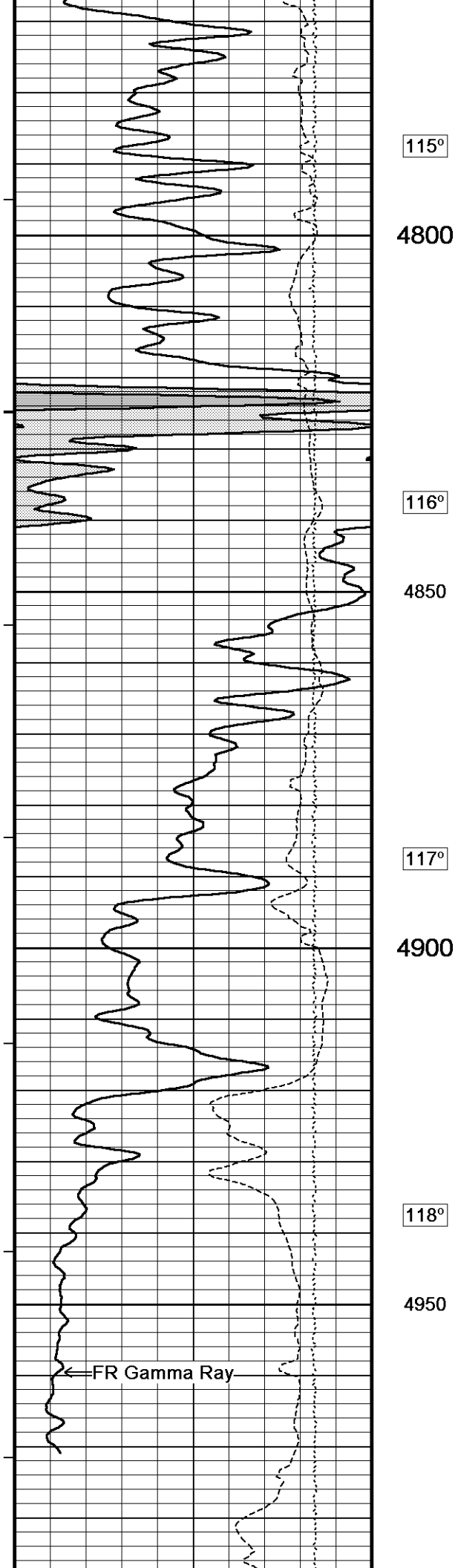
Spontaneous Potential

Gamma Ray

DST Uphole Tension



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



115°

4800

116°

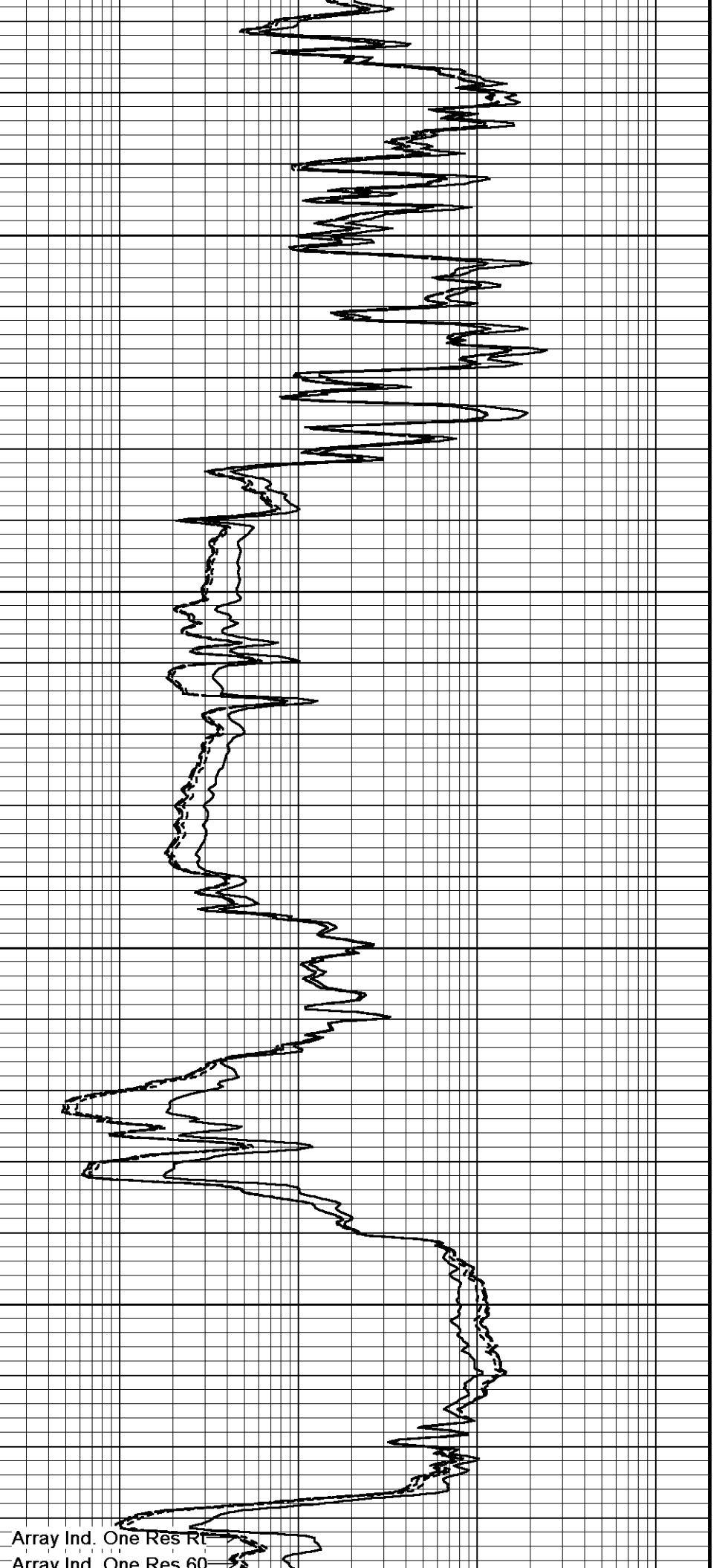
4850

117°

4900

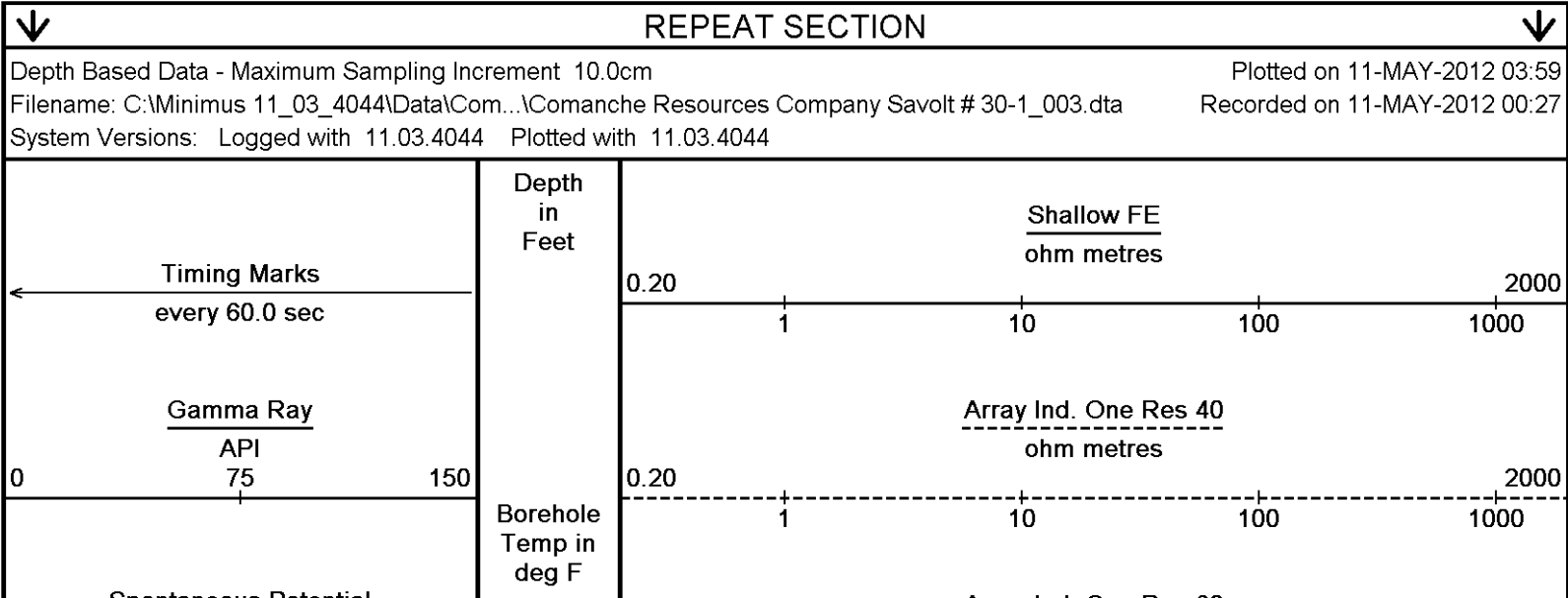
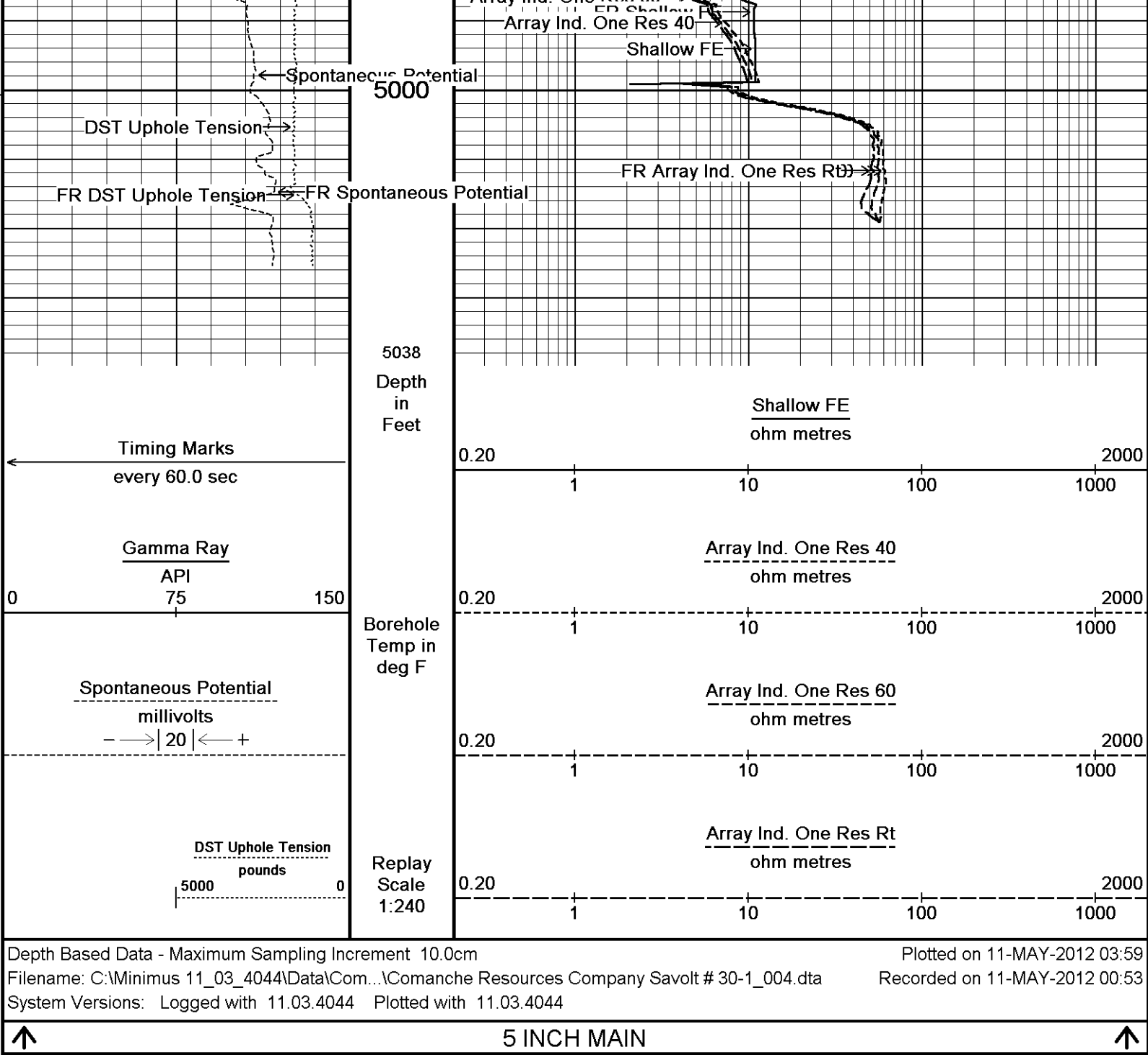
118°

4950



Array Ind. One Res RT

Array Ind. One Res 60



Spontaneous Potential

millivolts

- → | 20 | ← +

DST Uphole Tension

pounds

5000

0

Replay
Scale
1:240

4700

114°

4750

115°

4800

115°

4850

Array Ind. One Res 60

ohm metres

0.20

1

10

100

1000

2000

Array Ind. One Res Rt

ohm metres

0.20

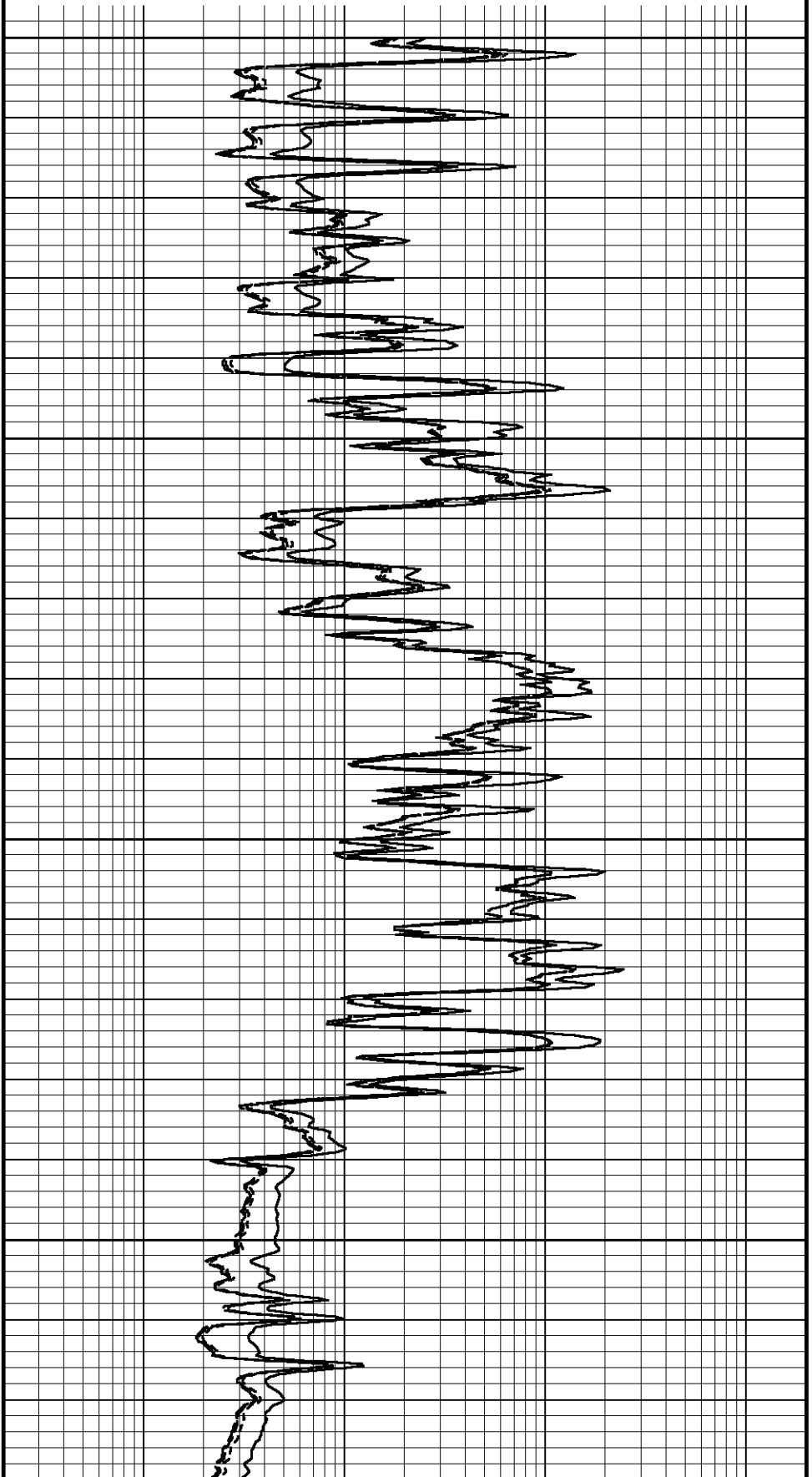
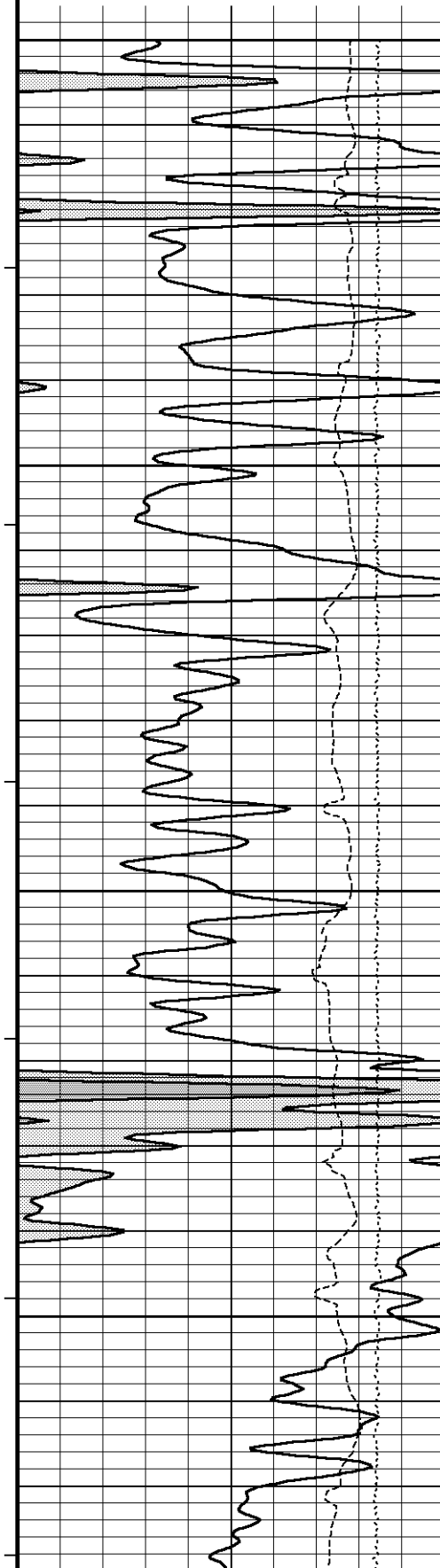
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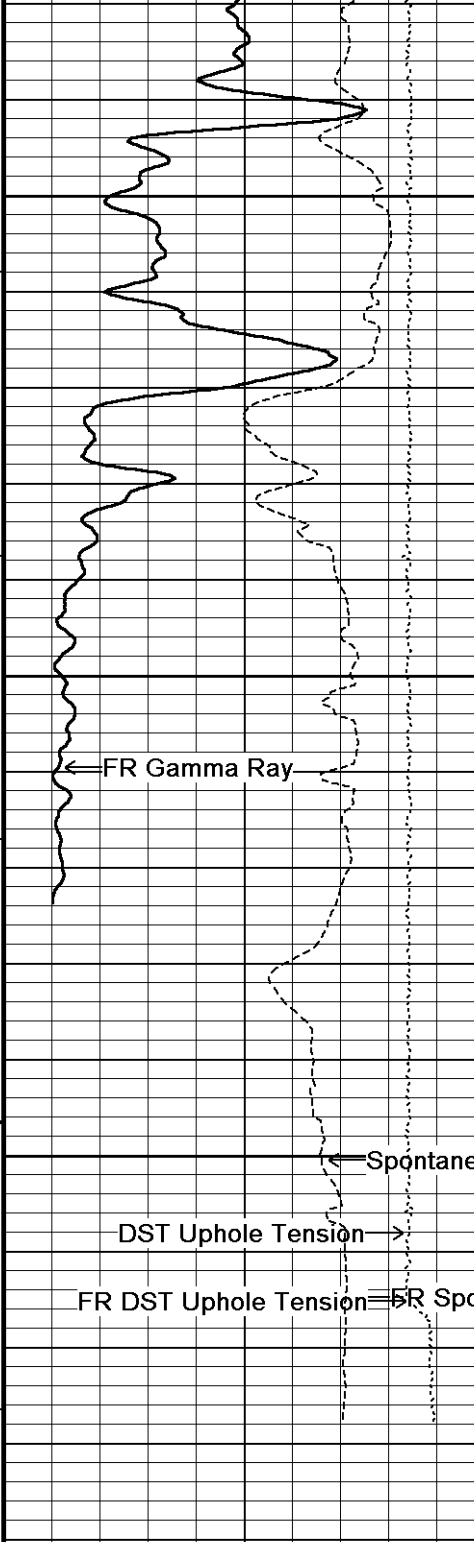
10

100

1000

2000





116°

4900

117°

4950

FR Gamma Ray

Spontaneous Potential

DST Uphole Tension

FR DST Uphole Tension

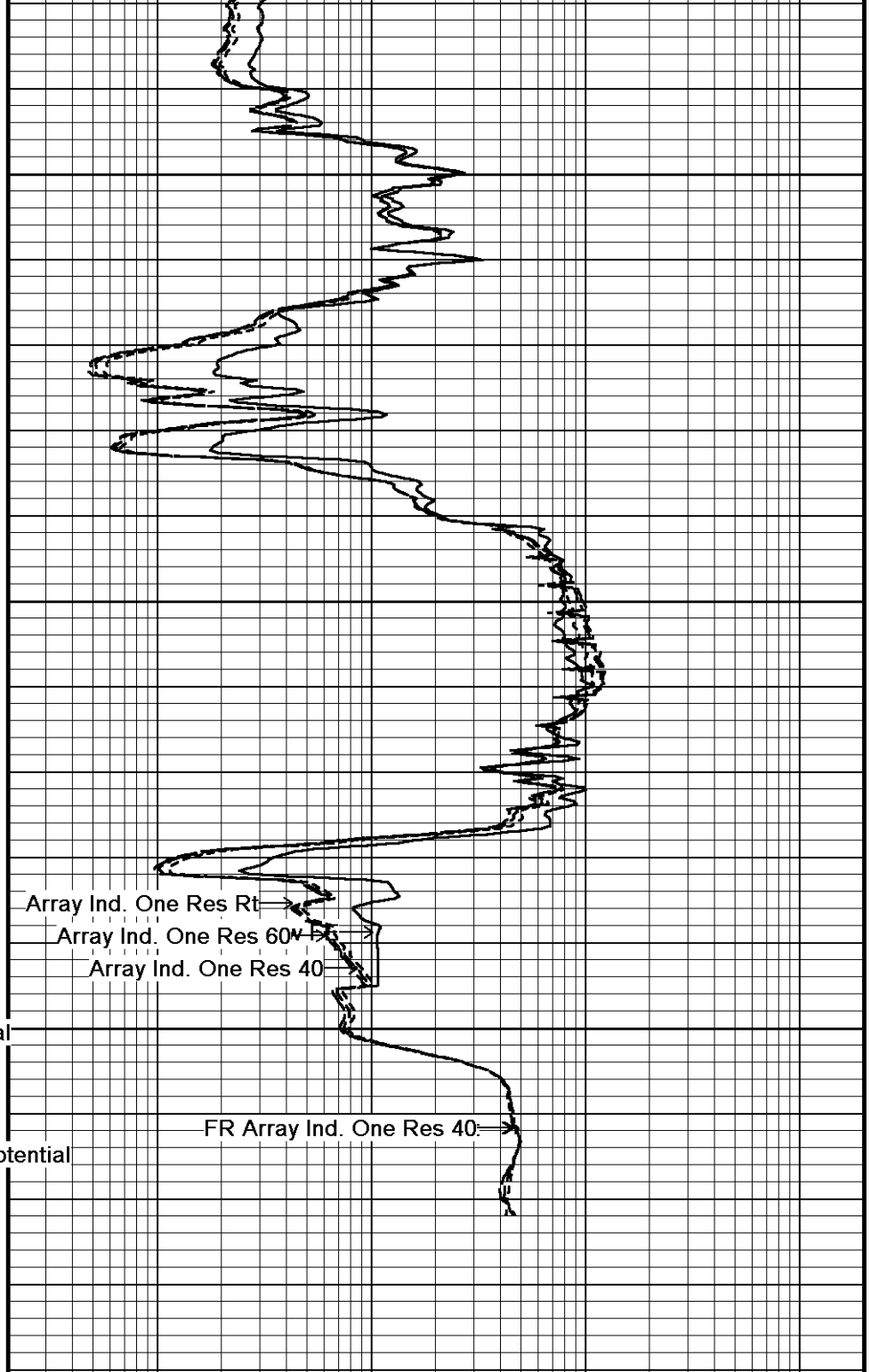
5000

5040
Depth
in
Feet

Timing Marks
every 60.0 sec

Gamma Ray
API
75

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



Array Ind. One Res Rt

Array Ind. One Res 60

Array Ind. One Res 40

FR Array Ind. One Res 40

Shallow FE
ohm metres

0.20

2000

1

10

100

1000

0.20

2000

1

10

100

1000

0.20

2000

1

10

100

1000

Borehole
Temp in
deg F

Array Ind. One Res 40
ohm metres

Array Ind. One Res 60
ohm metres

DST Uphole Tension
pounds

Replay
Scale
1:240

Array Ind. One Res Rt
ohm metres

5000 0

0.20

1

10

100

2000

1000

Depth Based Data - Maximum Sampling Increment 10.0cm

Plotted on 11-MAY-2012 03:59

Filename: C:\Minimus 11_03_4044\Data\Com...\Comanche Resources Company Savolt # 30-1_003.dta

Recorded on 11-MAY-2012 00:27

System Versions: Logged with 11.03.4044 Plotted with 11.03.4044



REPEAT SECTION



BEFORE SURVEY CALIBRATION

C:\Minimus 11_03_4044\Data\Comanche Resources Company Savolt # 30-1\Comanche Resources Company Savolt # 30-1_004.dta

General Constants All 000

Last Edited on 10-MAY-2012,23:08

General Parameters

Mud Resistivity	0.780	ohm-metres
Mud Resistivity Temperature	70.000	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	Limestone Density Por.
Resistivity used	Array Ind. One Res Rt
RWA Constant A	1.000
RWA Constant M	2.000

Down-hole Tension Calibration SMS 0

Field Calibration on 09-MAY-2012 17:14

Reading No	Measured	Calibrated (lbs)
1	12472.43	0.00
2	13803.95	582.00

Gamma Calibration MCG-B 39

Field Calibration on 02-APR-2012 14:02

	Measured	Calibrated (API)
Background	74	49
Calibrator (Gross)	752	505
Calibrator (Net)	678	456

Gamma Constants MCG-B 39

Last Edited on 10-MAY-2012,23:08

Gamma Calibrator Number	GRC141	
Mud Density	1.07	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl	0.00	kppm

SP Calibration MCG-B 39

Field Calibration on 02-APR-2012,14:02

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

High Resolution Temperature Calibration MCG-B 39

Field Calibration on 02-APR-2012,14:03

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

High Resolution Temperature Constants MCG-B 39

Last Edited on

Pre-filter Length

11

Caliper Calibration MML-A 4

Base Calibration on 0C3170021008,
Field Calibration on 0C4060524000

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	15017	5.98
2	18447	7.97
3	21786	9.86
4	25801	11.92
5	0	0.00
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
6.08	5.98

Micro Normal and Micro Inverse Calibration MML-A 4

Base Calibration on 0C3170023008,
Field Check on 0C4060525000

Base Calibration

Channel	Measured		Calibrated (ohm-m)	
	Resistor 1	Resistor 2	Resistor 1	Resistor 2
Micro Normal	12.2	60.2	5.0	25.0
Micro Inverse	15.7	78.3	5.0	25.0

Channel	Base Check (ohm-m)	Field Check (ohm-m)
Micro Normal	62.9	62.9
Micro Inverse	48.3	48.3

Micro Normal and Micro Inverse Constants MML-A 4

Last Edited on 10-MAY-2012,23:09

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-B.J 387

Base Calibration on 09-MAY-2012,12:48
Field Check on 09-MAY-2012,12:53

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	2956	91	3714	110
Ratio	32.635		33.764	

Field Calibrator at Base

Calibrated (cps)
2214
3169
Ratio
0.699

Field Check

Calibrated (cps)
2175
3193
Ratio
0.681

Neutron Constants MDN-B.J 387

Last Edited on 10-MAY-2012,23:13

Neutron Source Id	P0204NN
Neutron Jig Number	NEDC117
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

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	963.7	126.8
Base Check		281.5
Field Check		281.5

FE Constants MFE-B.J 352

Last Edited on 10-MAY-2012,23:19

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

Sonic Constants MSS-C.K 330

Last Edited on 09-MAY-2012,12:47

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	

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	

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 178

Base Calibration on 0C31B0B06000,
Field Check on 0C4060521000

Base Calibration

Test Loop Calibration

Channel	Measured		Calibrated (mmho/m)	
	Low	High	Low	High
1	17.6	484.7	9.3	966.2
2	6.2	391.4	7.6	821.4
3	4.0	264.5	5.2	566.0
4	2.3	135.1	2.6	279.2

Array Temperature 77.0 Deg F

Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1	0.0	0.0	12.3	3762.6
2	0.0	0.0	29.6	3466.9
3	0.0	0.0	27.3	3014.1
4	0.0	0.0	18.8	2064.7
Deep	0.0	0.0	15.9	1995.3
Medium	0.0	0.0	40.3	3955.3
Shallow	0.0	0.0	45.3	5081.7

Array Temperature 0.0 72.7 Deg F

Induction Constants MAI-A.A 178

Last Edited on 10-MAY-2012,23:20

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 178

Field Calibration on 0C4030110004,

	Measured	Calibrated(Deg F)
Lower	32.00	32.00
Upper	68.00	68.00

High Resolution Temperature Constants MAI-A.A 178

Last Edited on 0C4060522000,

Pre-filter Length 11

Caliper Calibration MPD-B 35

Base Calibration on 0C31C0A2C008

Field Calibration on 0C4060527000

Base Calibration		
Reading No	Measured	Calibrator Size (in)
1	20688	3.99
2	30944	5.98
3	41312	7.97
4	50976	9.86
5	61184	11.92
6	N/A	N/A
Field Calibration		
	Measured Caliper (in)	Actual Caliper (in)
	5.99	5.98

Photo Density Calibration MPD-B 35

Base Calibration on 0C31C0B00008

Field Check on 0C406052B000

Density Calibration				
Base Calibration		Measured		Calibrated (sdu)
		Near	Far	Near Far
Reference 1		62298	31871	59556 30836
Reference 2		26887	2863	24941 2541
Field Check at Base				
		1142.9	1359.1	
Field Check				
		1145.7	1361.2	
PE Calibration				
Base Calibration		Measured		Calibrated
	WS	WH	Ratio	Ratio
Background	204	1008		
Reference 1	23049	62096	0.374	0.371
Reference 2	7079	26739	0.267	0.272
Field Check at Base				
	204.4	1008.1		
Field Check				
	206.4	1011.8		

Density Constants MPD-B 35

Last Edited on 10-MAY-2012,23:15

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	1.07 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	0.00

DOWNHOLE EQUIPMENT

C:\Minimus 11_03_4044\Data\Comanche Resources Company Savolt # 30-1\Comanche Resources Company Savolt # 30-1_004.dta

MCB-A.A 11B Tension Cablehead
MCB-A.A 161 LG: 2.40 ft WT: 19.8 lb OD: 2.24 in

MCB-A.A 11B Tension Cablehead
MCB-A.A 161 LG: 2.40 ft WT: 19.8 lb OD: 2.24 in

Compact Comms Gamma
MCG-B 39 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

Compact Comms Gamma
MCG-B 39 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

Compact Micro-log
MML-A 4 LG: 7.97 ft WT: 81.6 lb OD: 2.24 in

Compact Micro-log
MML-A 4 LG: 7.97 ft WT: 81.6 lb OD: 2.24 in

Compact Neutron
MDN-B.J 387 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

Compact Neutron
MDN-B.J 387 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

Compact Density/Caliper
MPD-B 35 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

Compact Density/Caliper
MPD-B 35 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

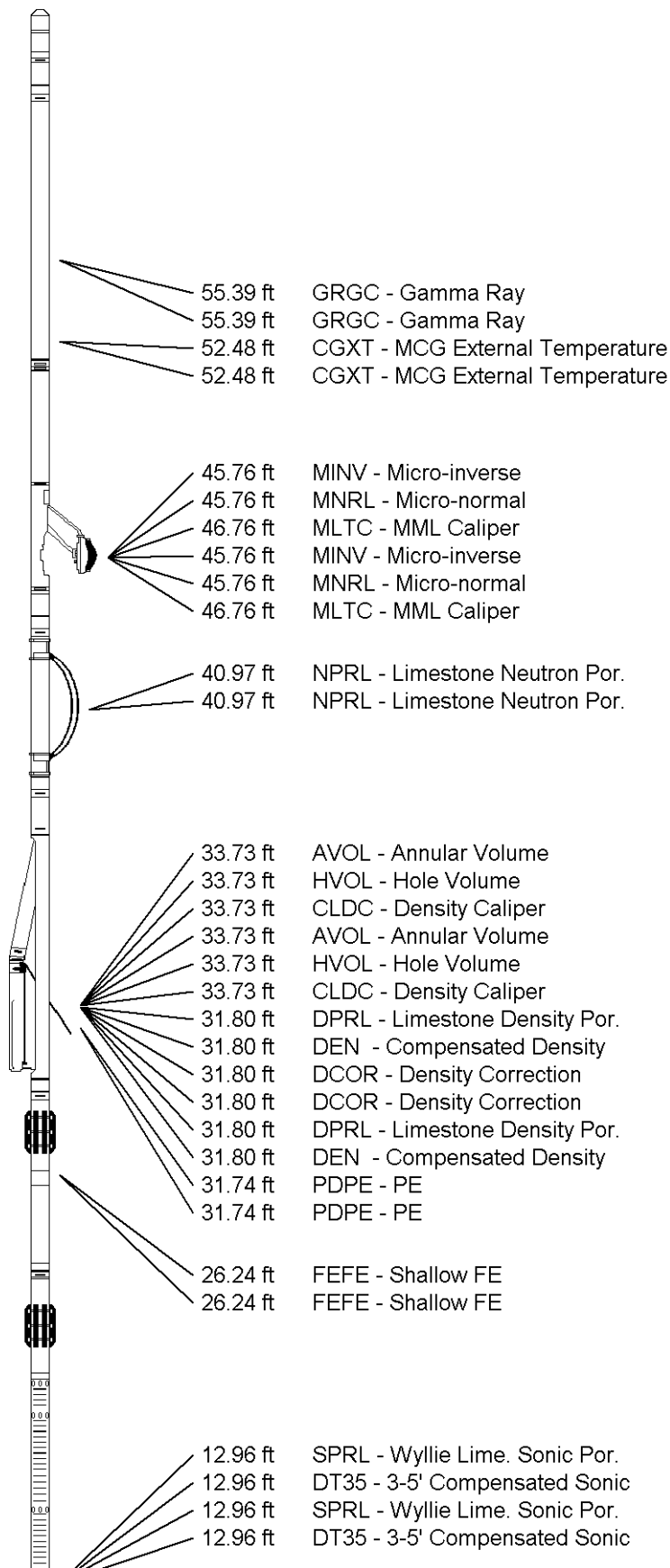
Compact Focussed Electric
MFE-B.J 352 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

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

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

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

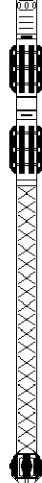
Compact Induction
MAL-A.A 173 LG: 12.52 ft WT: 72.8 lb OD: 2.24 in



Compact Induction
MAI-A.A 178 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



3.34 ft	R400 - Array Ind. One Res 40
3.34 ft	R400 - Array Ind. One Res 40
3.34 ft	R600 - Array Ind. One Res 60
3.34 ft	RTAO - Array Ind. One Res Rt
3.34 ft	R600 - Array Ind. One Res 60
3.34 ft	RTAO - Array Ind. One Res Rt
0.23 ft	SPCG - Spontaneous Potential
0.23 ft	SPCG - Spontaneous Potential
Tool Zero	(0.13ft from bottom)
Tool Zero	(0.13ft from bottom)
-0.13 ft	SMTU - DST Uphole Tension
-0.13 ft	SMTU - DST Uphole Tension
All measurements relative to tool zero.	
All measurements relative to tool zero.	

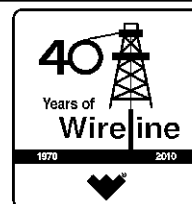
COMPANY	COMANCHE RESOURCES COMPANY
WELL	SAVOLT # 30-1
FIELD	WILDCAT
PROVINCE/COUNTY	SCOTT
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing	3141.00	feet	First Reading	5012.00	feet
Elevation Drill Floor	3139.00	feet	Depth Driller	5020.00	feet
Elevation Ground Level	3131.00	feet	Depth Logger	5015.00	feet



Weatherford®

ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG





Weatherford

ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG

COMPANY COMANCH RESSOURCES COMPANY

WELL SAVOIT # 30-1

FIELD WILDCAT

PROVINCE/COUNTY SCOTT

COUNTRY/STATE U.S.A. / KANSAS

LOCATION 3200' FSL & 400' FEL
NW SE SE NE

SEC 30

TWP 19S

R&E 34W

Permit Number 15-171-20976

Other Services MPDMON

API Number 15-171-20976

MMS MMS

Permanet Datum G.L. Elevation 31.31 feet

Log Measured From KB

Coring Measured From K.B

Date	Run Number	ONE	FEET	GRAVITY	TEMP	PRESS	CORRECTION	REMARKS
11-MAY-2012		5020.00	feet					
	Depth Driller	5015.00	feet					
	Depth Logger	5012.00	feet					
	Fast Reading	359.00	feet					
	Casing Driller	367.00	feet					
	Casing Logger	359.00	feet					
	Bit Size	7.875	inches					
	Bit Fluid Type	CHEMICAL						
	Density/Viscosity	8.90 lb/uS/g	65.00 CP					
	pH / Fluid Loss	12.00	1.40 ml/30min					
	Sample Source	FLOWLINE						
	Run @ Measured Temp	0.78 @ 70.0	ohm-in					
	Run @ Measured Temp	0.62 @ 70.0	ohm-in					
	Run @ Measured Temp	0.94 @ 70.0	ohm-in					
	Run @ Measured Temp	CALC	CALC					
	Run @ BHT	0.48 @ 118.0	ohm-in					
	Time Since Circulation	5 HOURS						
	Max Recorded Temp	118.00	deg F					
	Equipment Name	COMPACT						
	Equipment Base	13096						
	Recorded By	A. GUANBALVO	LIB					
	Witnessed By	JIM SPELMAN						
	S.O. JOB #	353458						

Revisions:

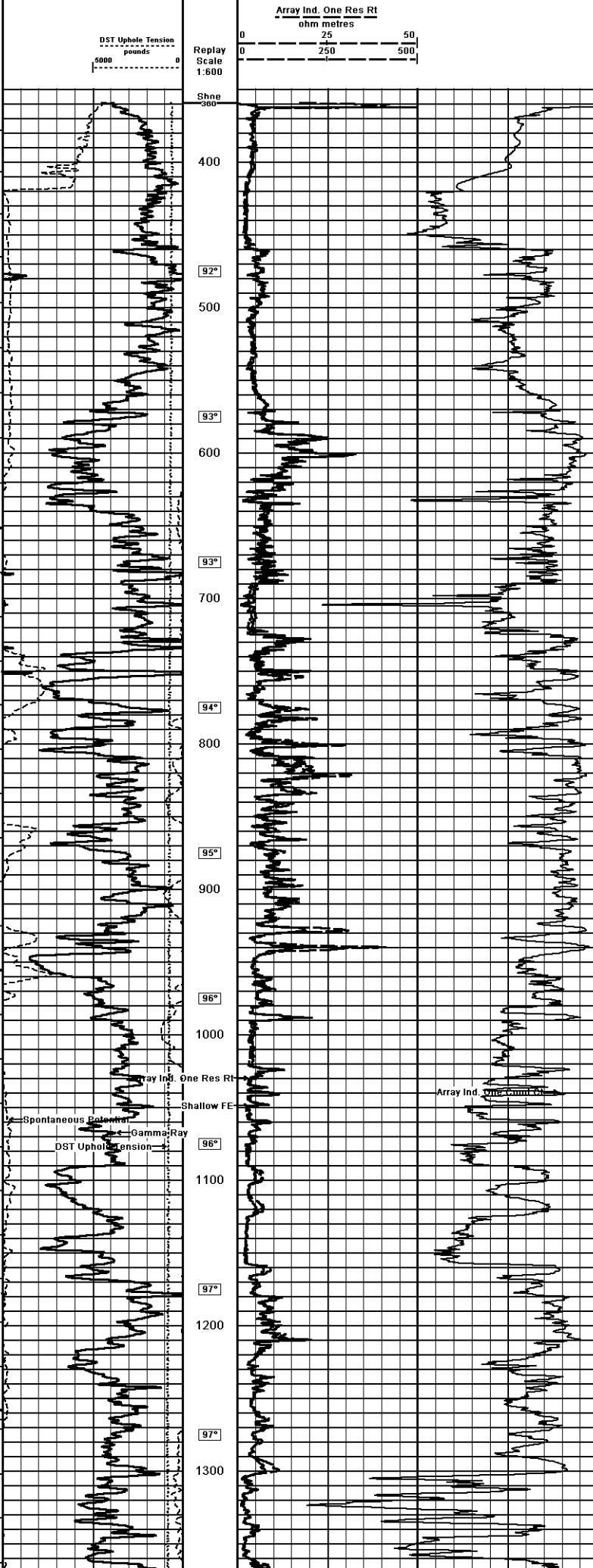
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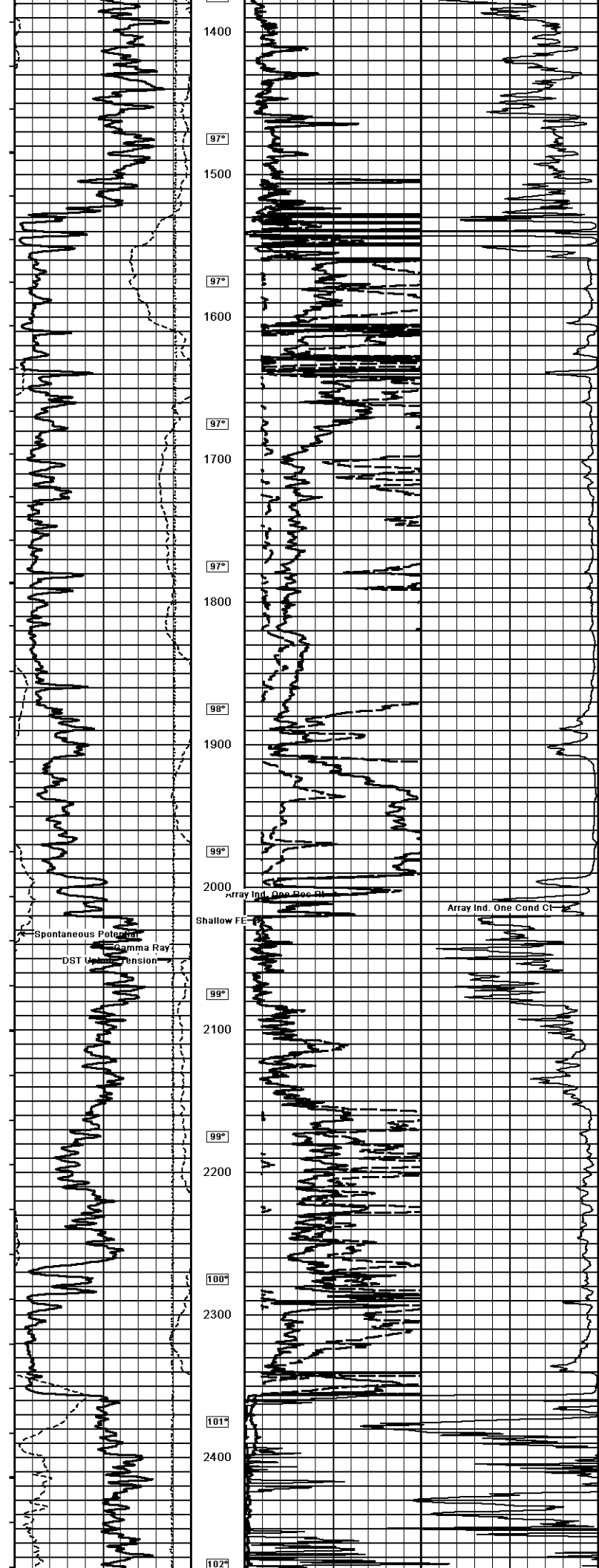
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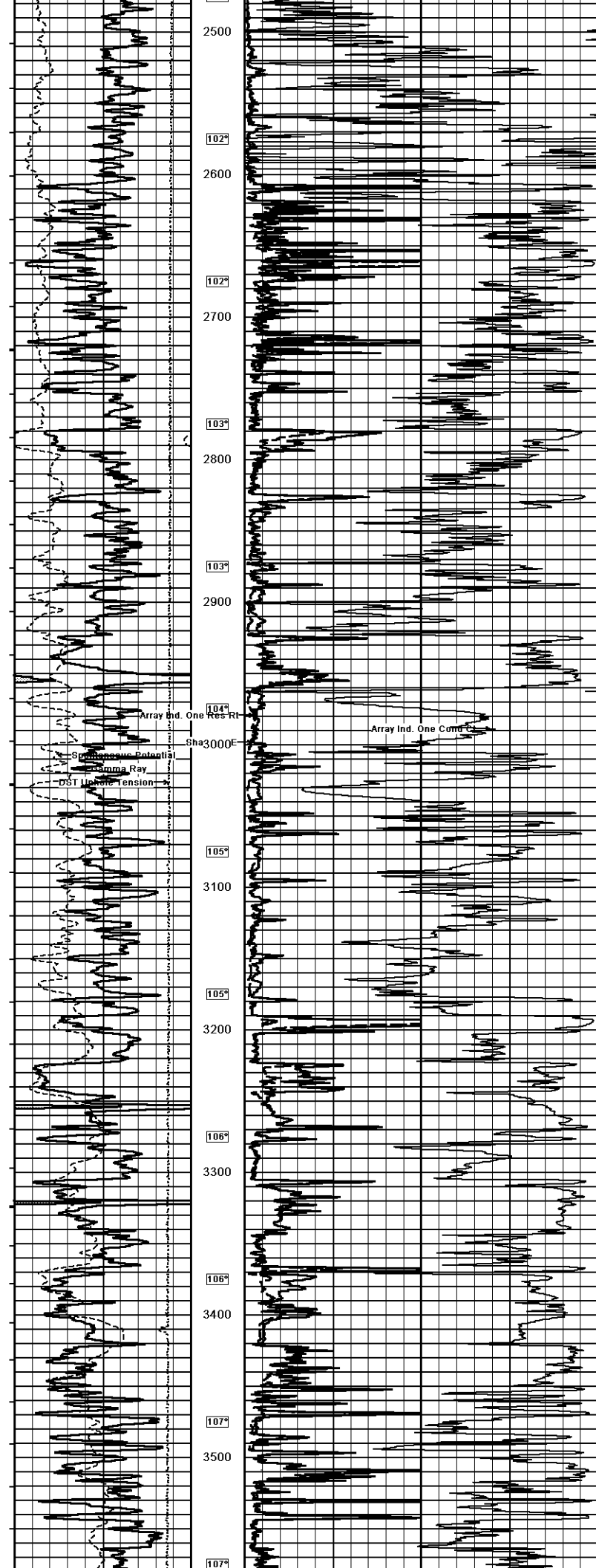
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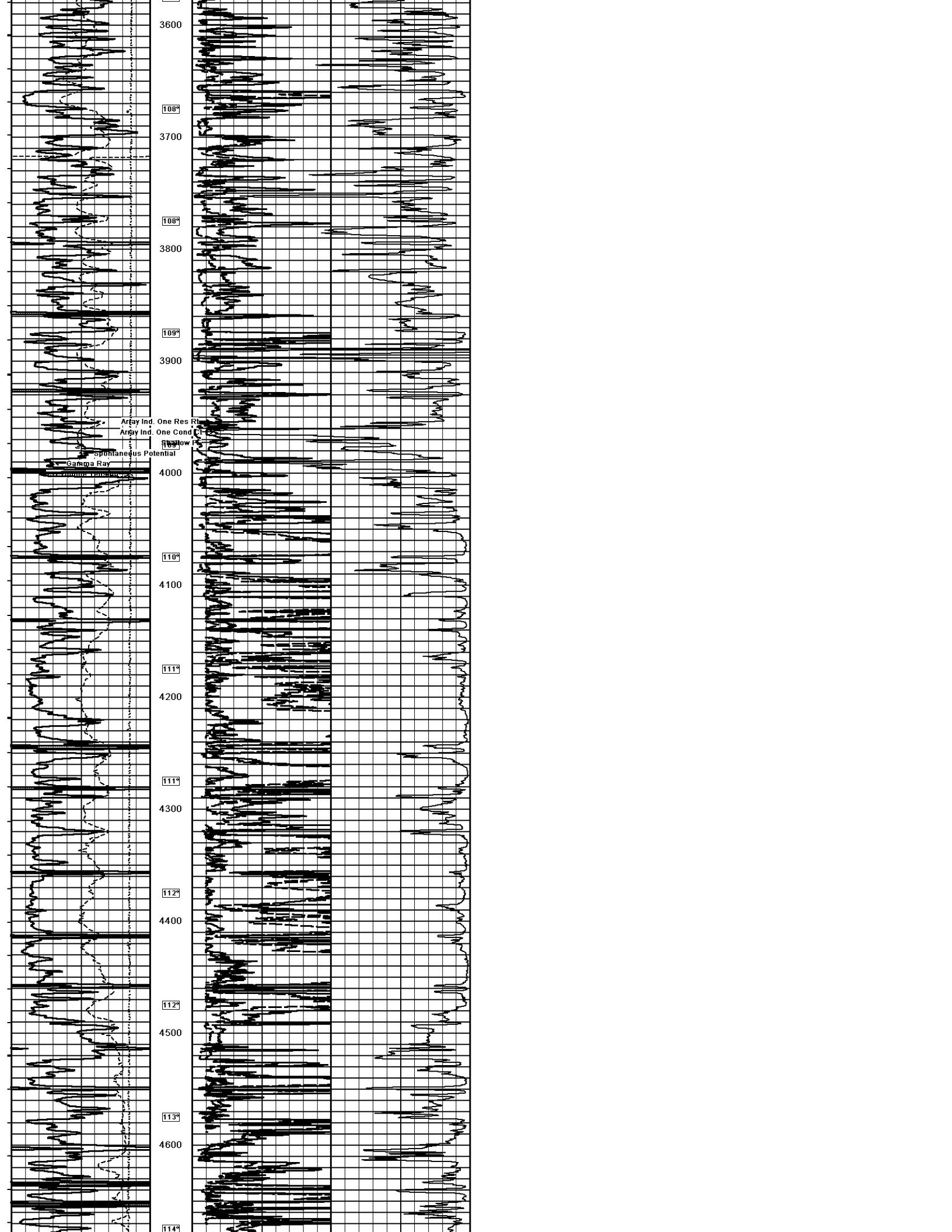


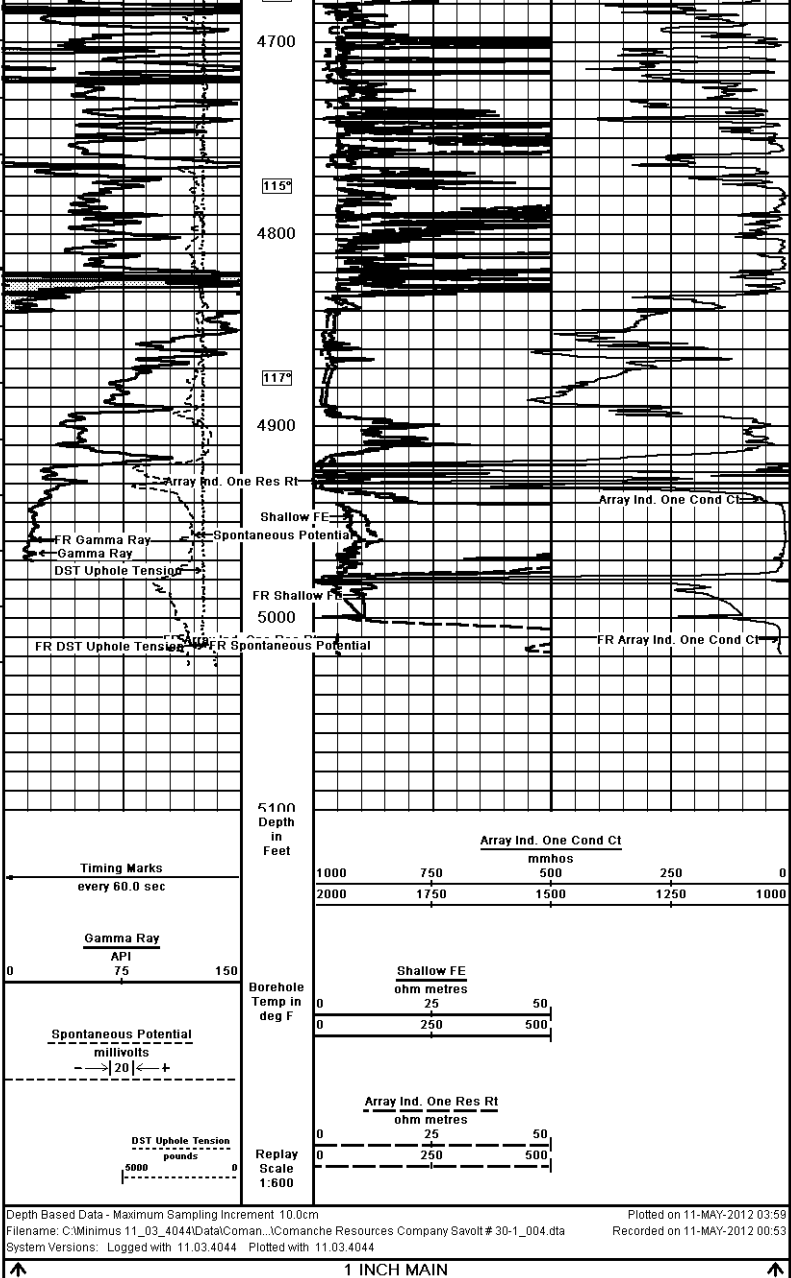
1 INCH MAIN	
Depth Based Data - Maximum Sampling Increment 10.0cm Filename: C:\Minimus 11_03_4044\Data\Coman...Comanche Resources Company Savolt # 30-1_004.dta System Versions: Logged with 11.03.4044 Plotted with 11.03.4044	
Timing Marks every 60.0 sec	Depth in Feet 0 150
Gamma Ray API 75 150	Array Ind. One Cond Ct 1000 750 500 250 0 2000 1750 1500 1250 1000
Spontaneous Potential millivolts	Borehole Temp in deg F 0 25 50 0 250 500











COMPANY		COMANCHE RESOURCES COMPANY	
WELL		SAVOLT # 30-1	
FIELD		WILDCAT	
PROVINCE/COUNTY		SCOTT	
COUNTRY/STATE		U.S.A. / KANSAS	
Elevation Kelly Bushing	3141.00 feet	First Reading	5012.00 feet
Elevation Drill Floor	3139.00 feet	Depth Driller	5020.00 feet
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