



Weatherford

**ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG**

COMPANY

McCoy PETROLEUM CORPORATION

WELL

REED TRUST "A" #1-36

FIELD

WILDCAT

PROVINCE/COUNTY

GRAY

COUNTRY/STATE

U.S.A. / KANSAS

LOCATION

660' FNL & 660' FEL

SEC

36

TWP 28S

RGE 29W

Other Services

Latitude

37.574874

MPD/MDN

MML

Longitude

-100.436004

MSS

API Number

15-069-20498

Permanent Datum GL, Elevation 2769 feet

Log Measured From KB, 11.00 feet above Permanent Datum

Drilling Measured From KB

Date

03-MAR-2017

Run Number

ONE

Service Order

4558-175770542

Depth Driller

5500.00

feet

Depth Logger

5501.00

feet

First Reading

5498.00

feet

Last Reading

1776.00

feet

Casing Driller

1781.00

feet

Casing Logger

1776.00

feet

Bit Size

7.875

inches

Hole Fluid Type

CHEMICAL

Density / Viscosity

9.05

lb/USg

54.00

CP

PH / Fluid Loss

10.00

8.00

ml/30Min

Sample Source

FLOWLINE

Rm @ Measured Temp

0.99 @ 75.0

ohm-m

Rmf @ Measured Temp

0.79 @ 75.0

ohm-m

Rmc @ Measured Temp

1.19 @ 75.0

ohm-m

Source Rmf / Rmc

CALC

CALC

Rm @ BHT

0.65 @ 115.0

ohm-m

Time Since Circulation

5 HOURS

Max Recorded Temp

115.00

deg F

Equipment / Base

13096

LIB

Recorded By

ADAM SILL

ZACH WIELE

WITNESSED BY

BOREHOLE RECORD

Last Edited: 03-MAR-2017 20:48

Bit Size inches	Depth From feet	Depth To feet
7.875	1781.00	5500.00

CASING RECORD

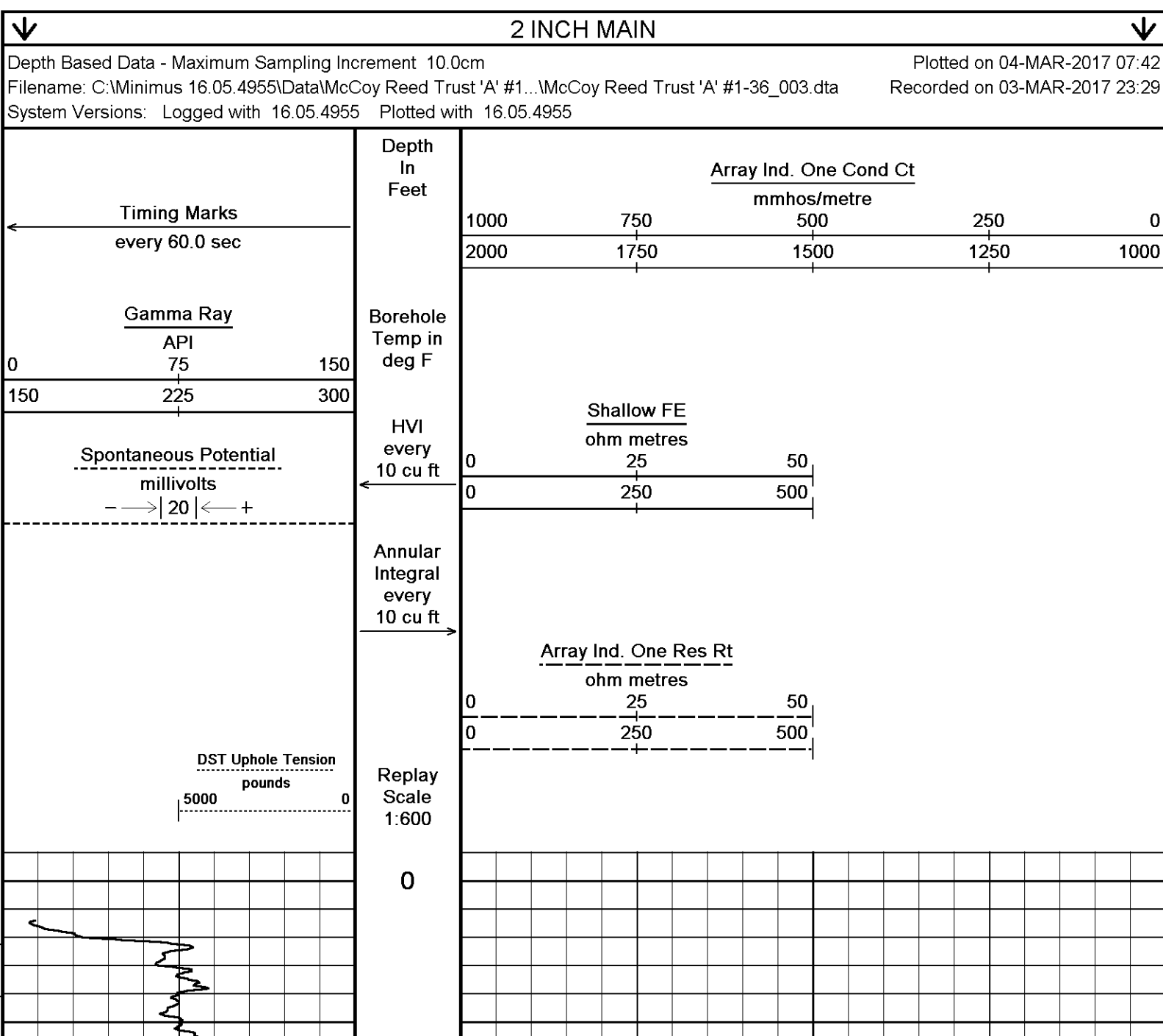
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	1781.00	24.00

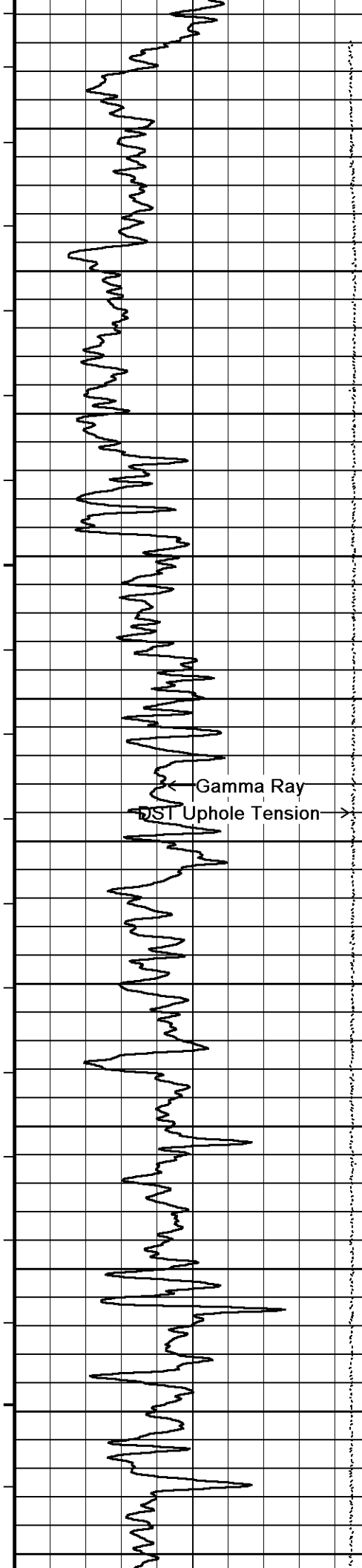
REMARKS

- SOFTWARE ISSUE: WLS 16.05.4955.
- RUN ONE: MCG, MML, MDN, MPD, MFE, MSS, MAI RUN IN COMBINATION.
 - HARDWARE: DUAL BOWSPRING USED ON MDN.
 - 0.5 INCH STANDOFF USED ON MFE.
 - TWO 0.5 INCH STANDOFFS USED ON MSS.
 - 0.5 INCH STANDOFF USED ON MAI.
- RUN TWO: SHA, MCG, MIM, MIE RUN IN COMBINATION.
- 2.71 G/CC LIMESTONE DENSITY MATRIX USED TO CALCULATE POROSITY.
- BOREHOLE RUGOSITY, TIGHT PULLS, AND WASHOUTS WILL AFFECT DATA QUALITY.
- ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST.
- TOTAL HOLE VOLUME FROM TD TO SURFACE CASING: 1385 CU.FT.

- OPERATOR: B. TOVAR.

In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SERVICES.





79°

100

80°

200

81°

300

Gamma Ray
DST Uphole Tension

82°

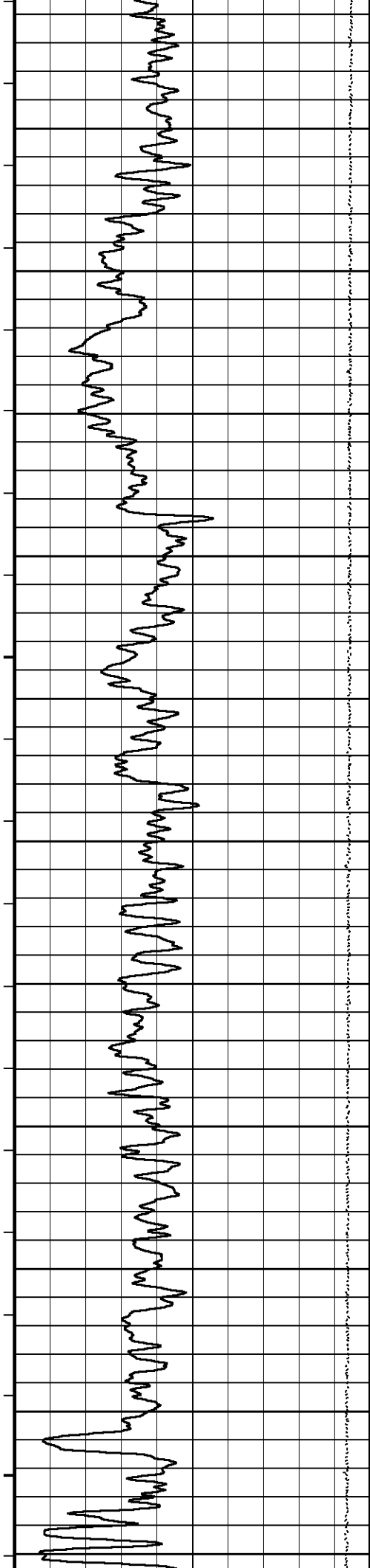
400

83°

500

84°

600



85°

700

86°

800

86°

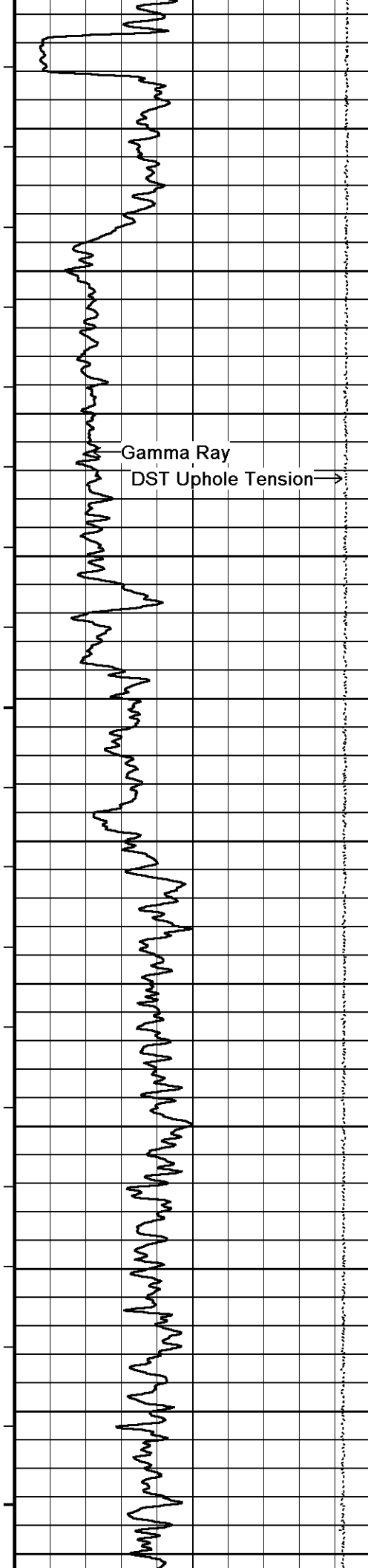
900

87°

1000

88°

1100



88°

1200

88°

1300

Gamma Ray
DST Uphole Tension →

89°

1400

90°

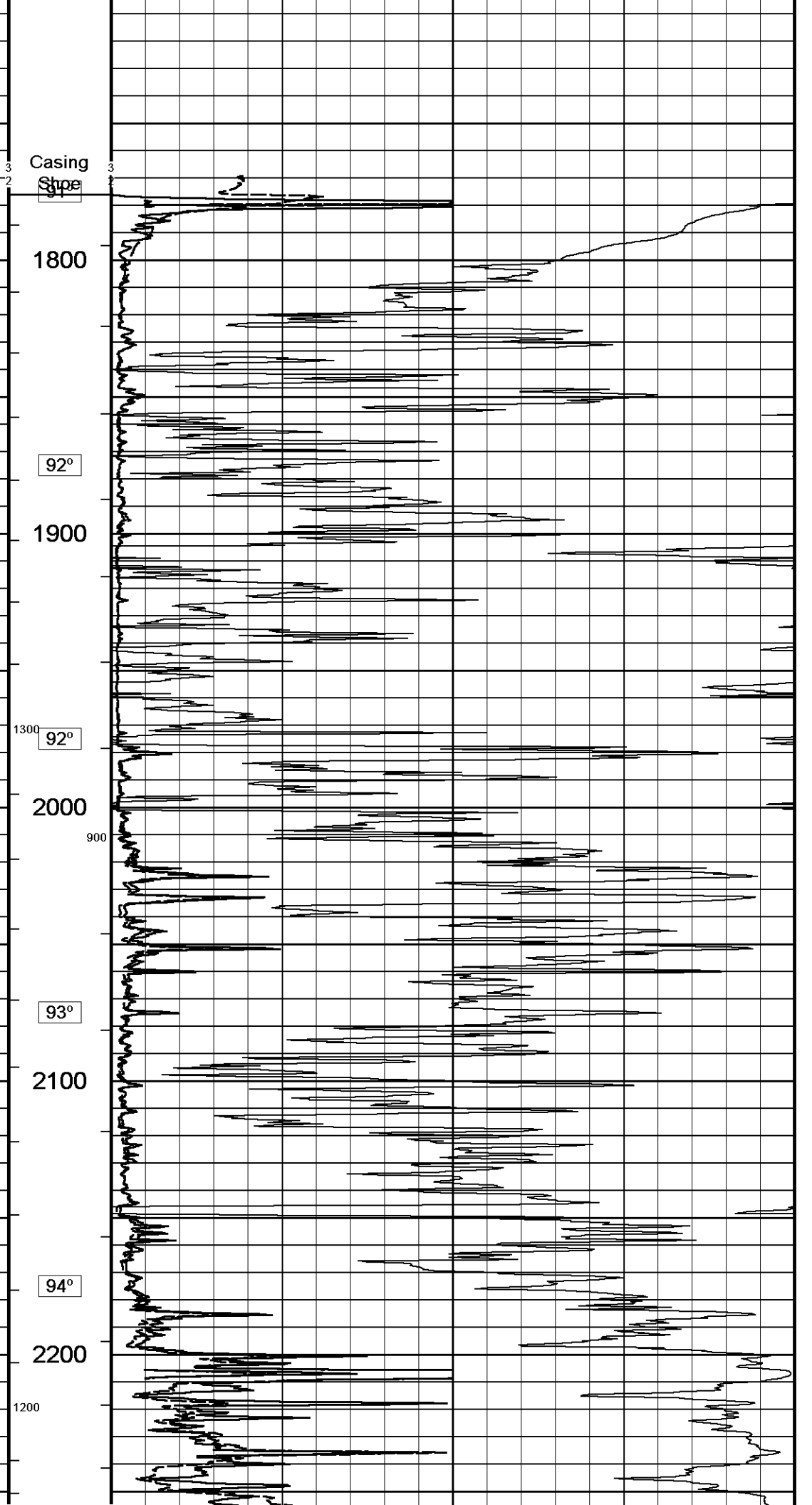
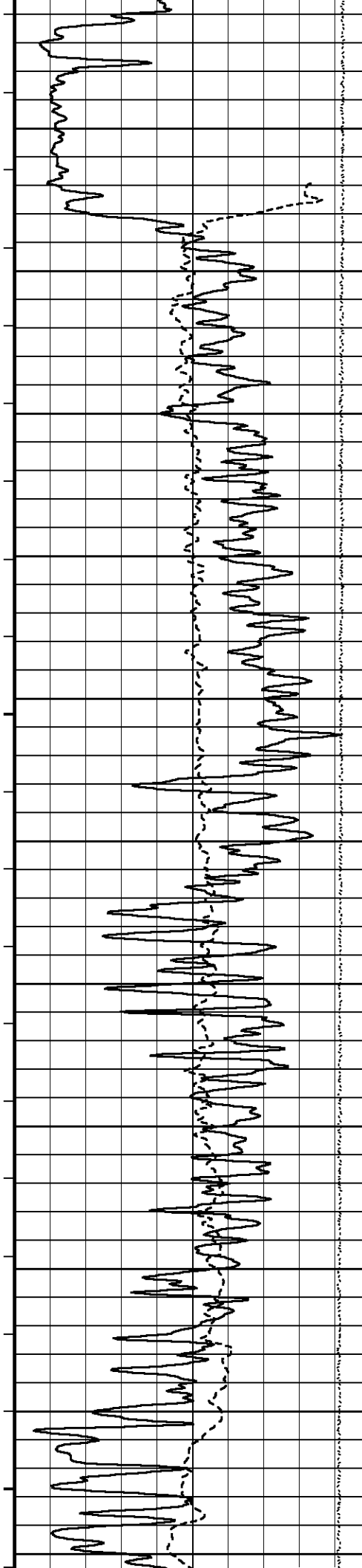
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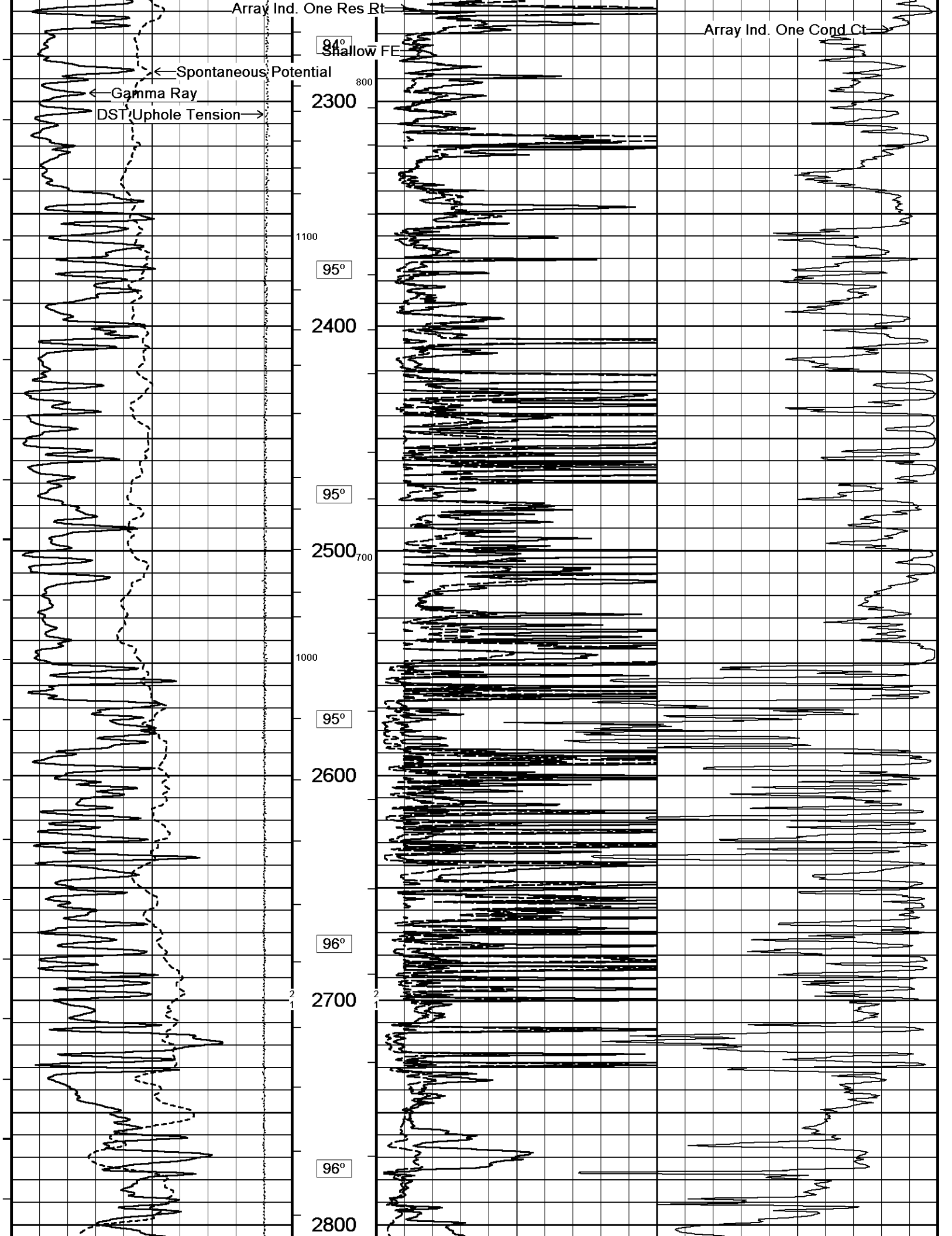
90°

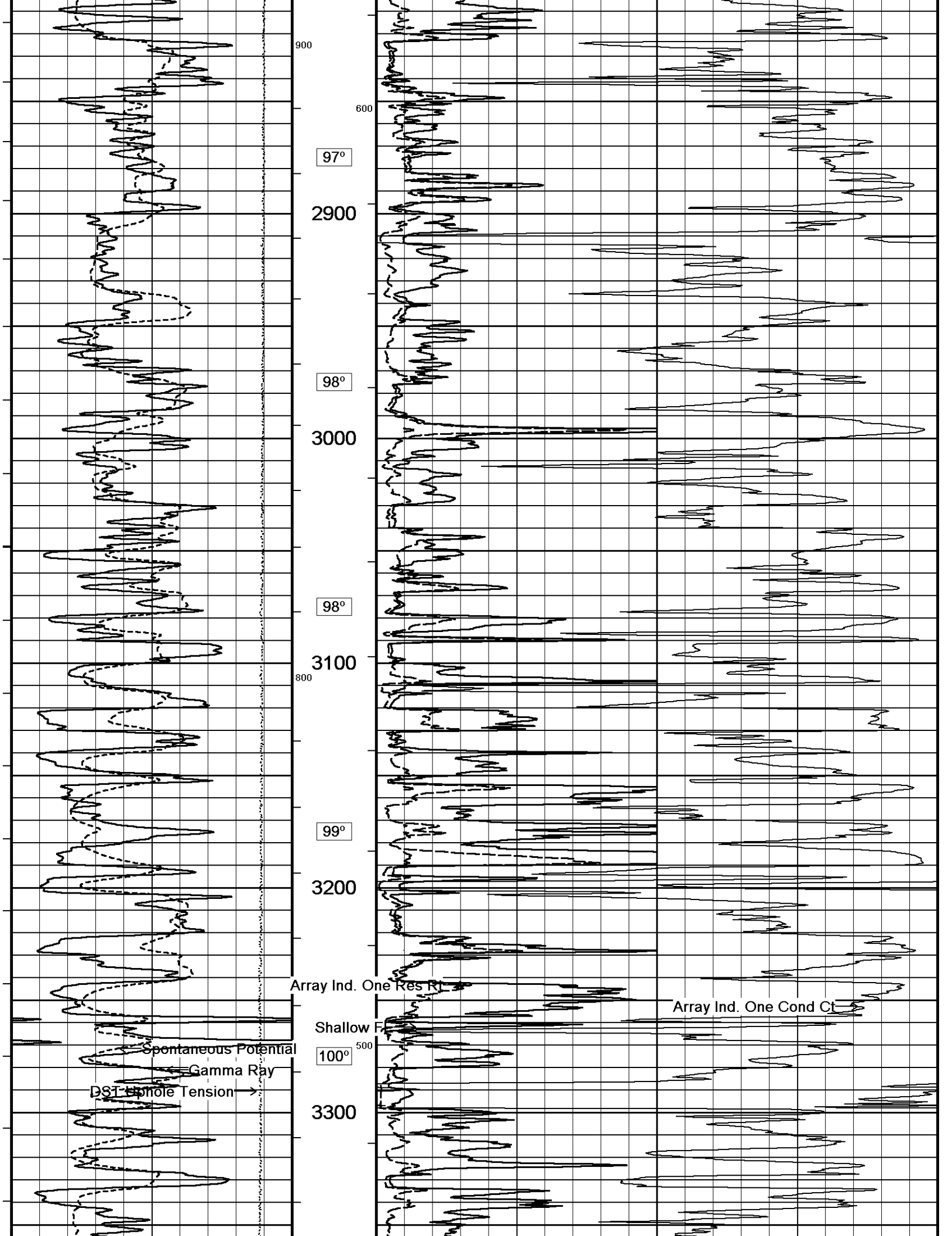
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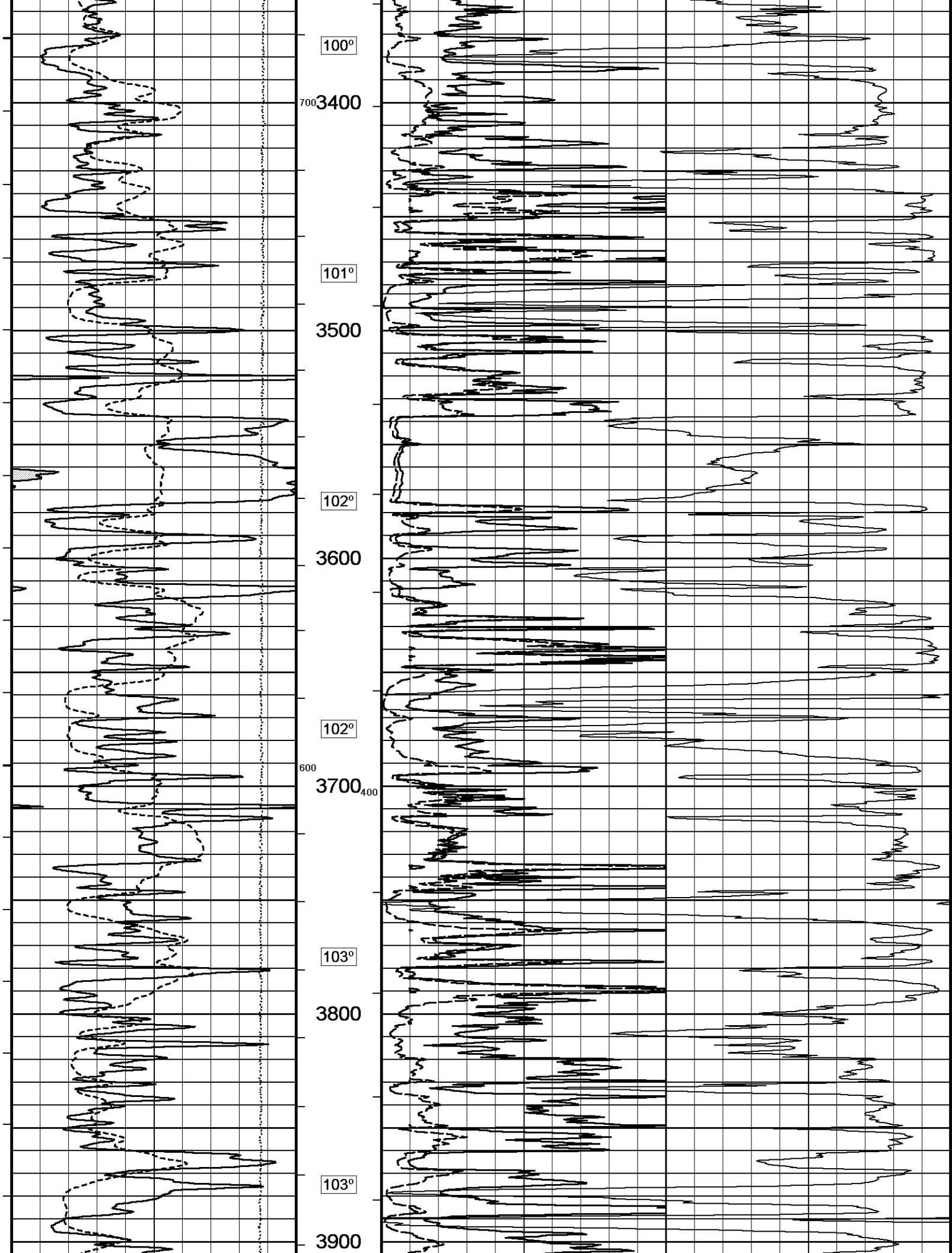
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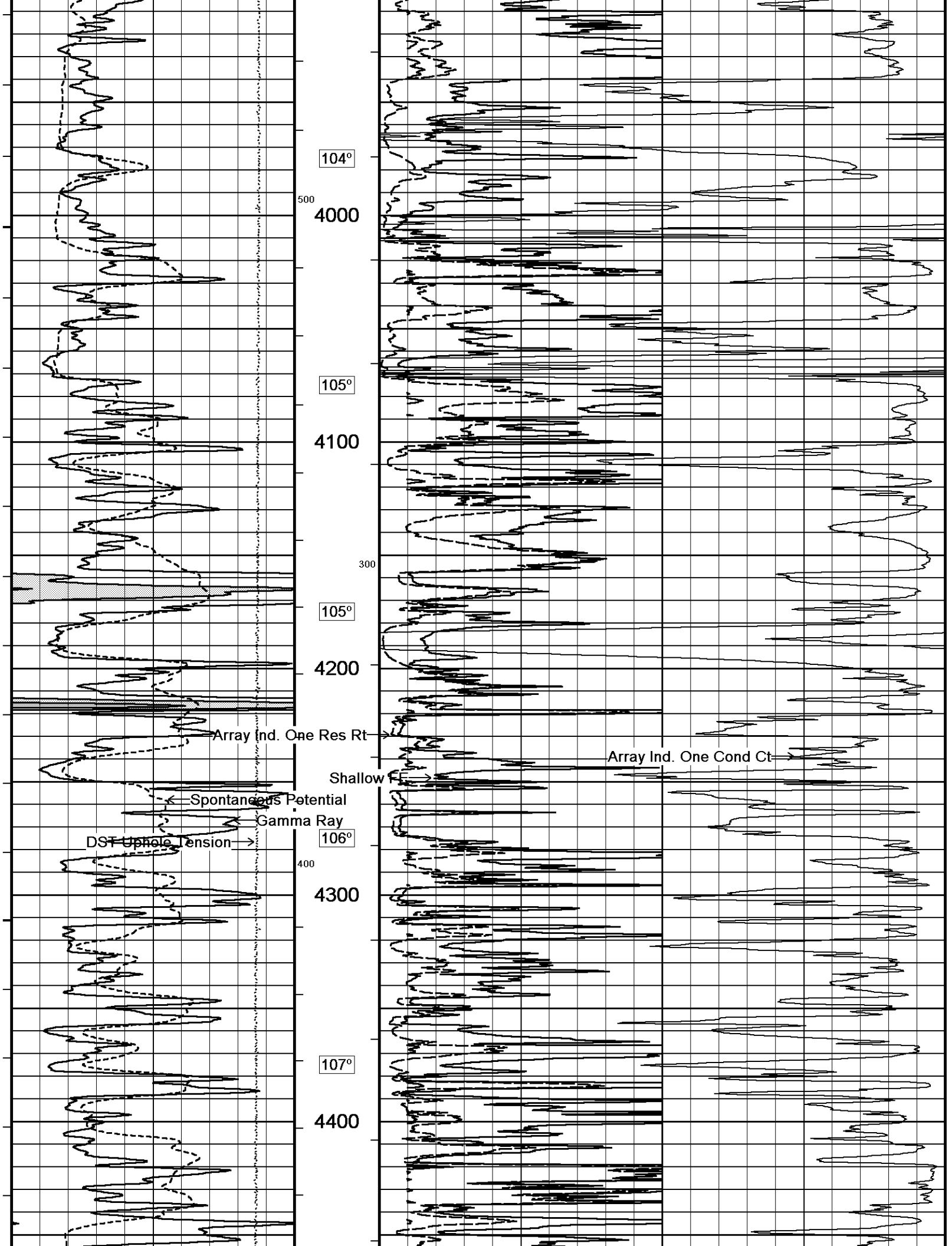
1700

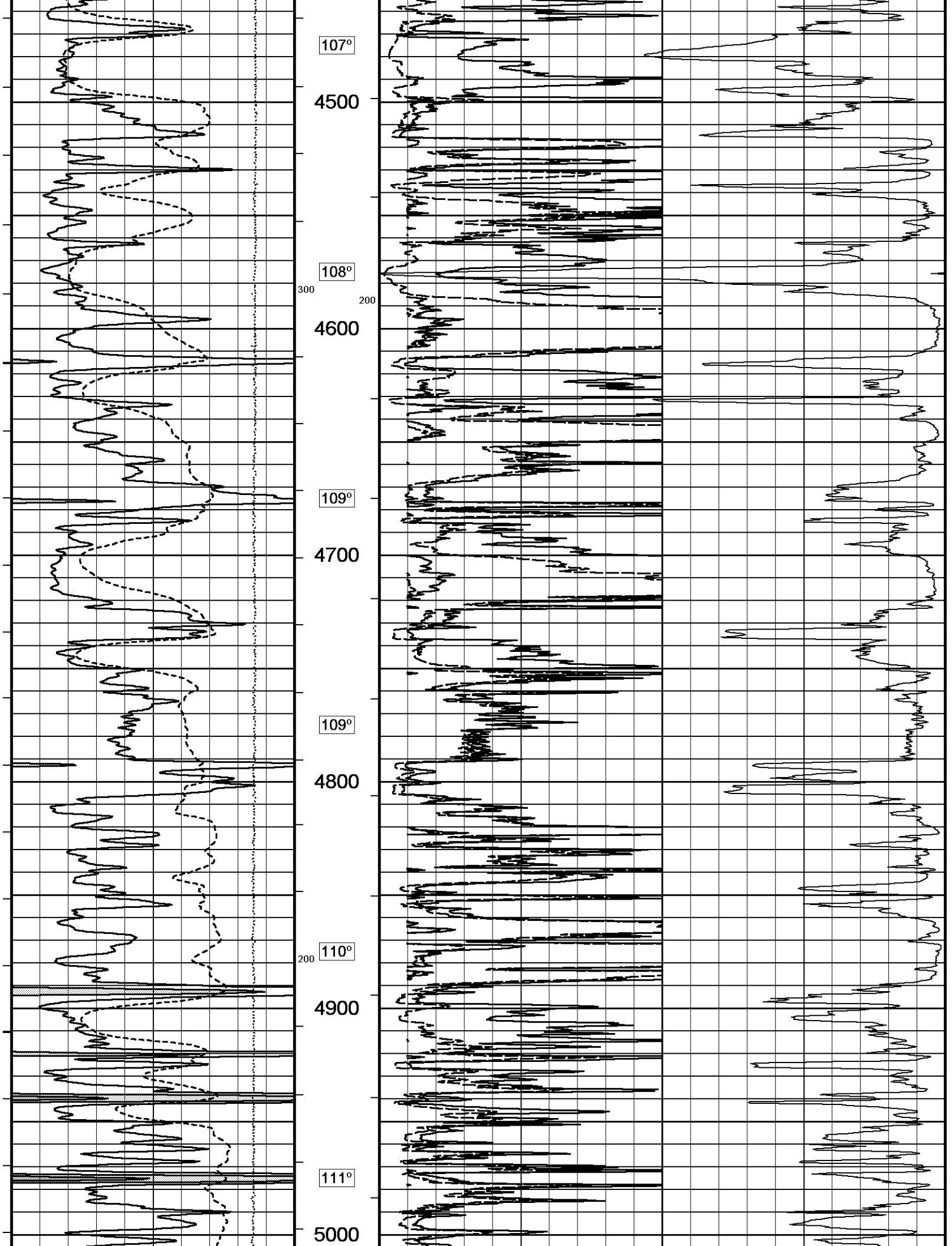


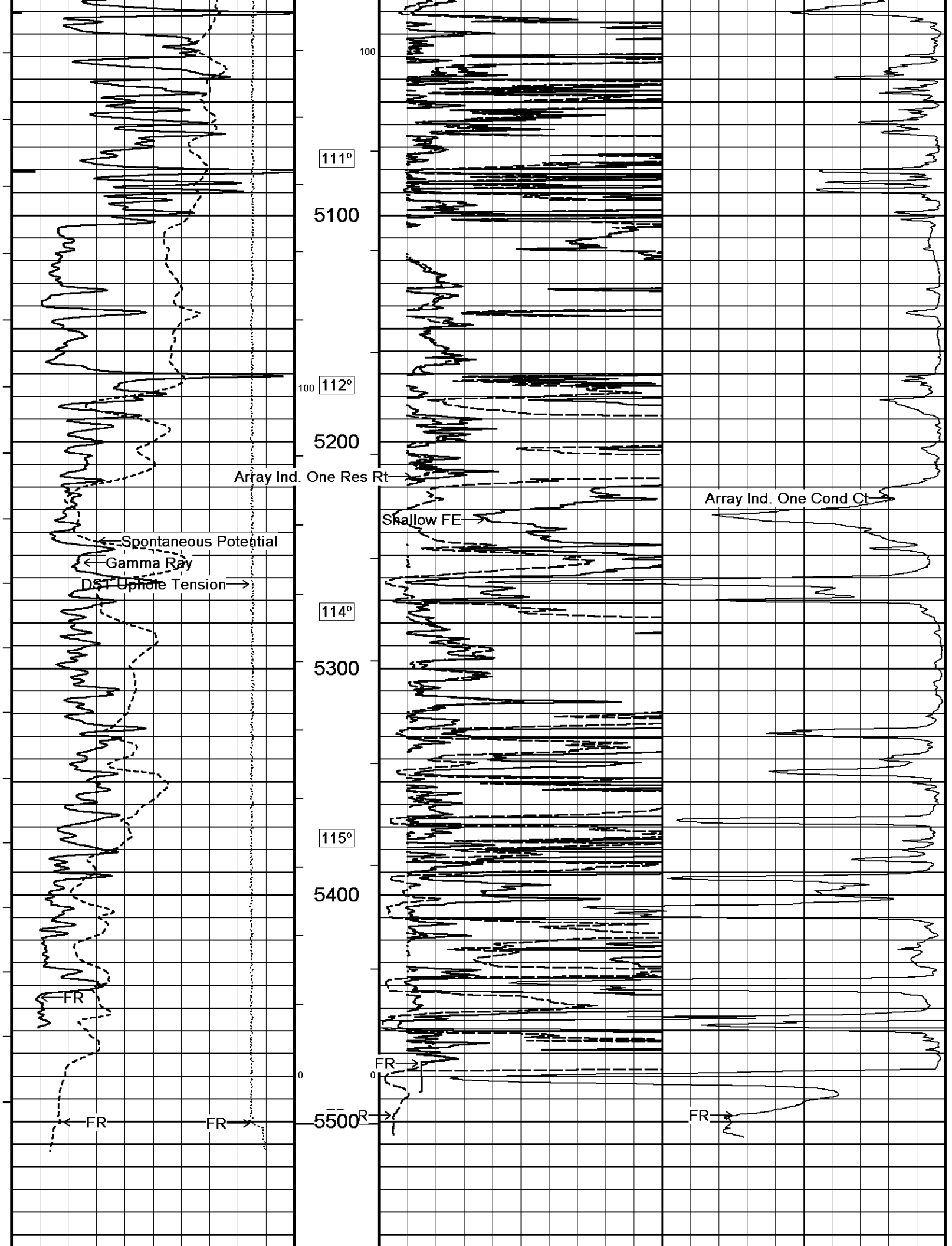


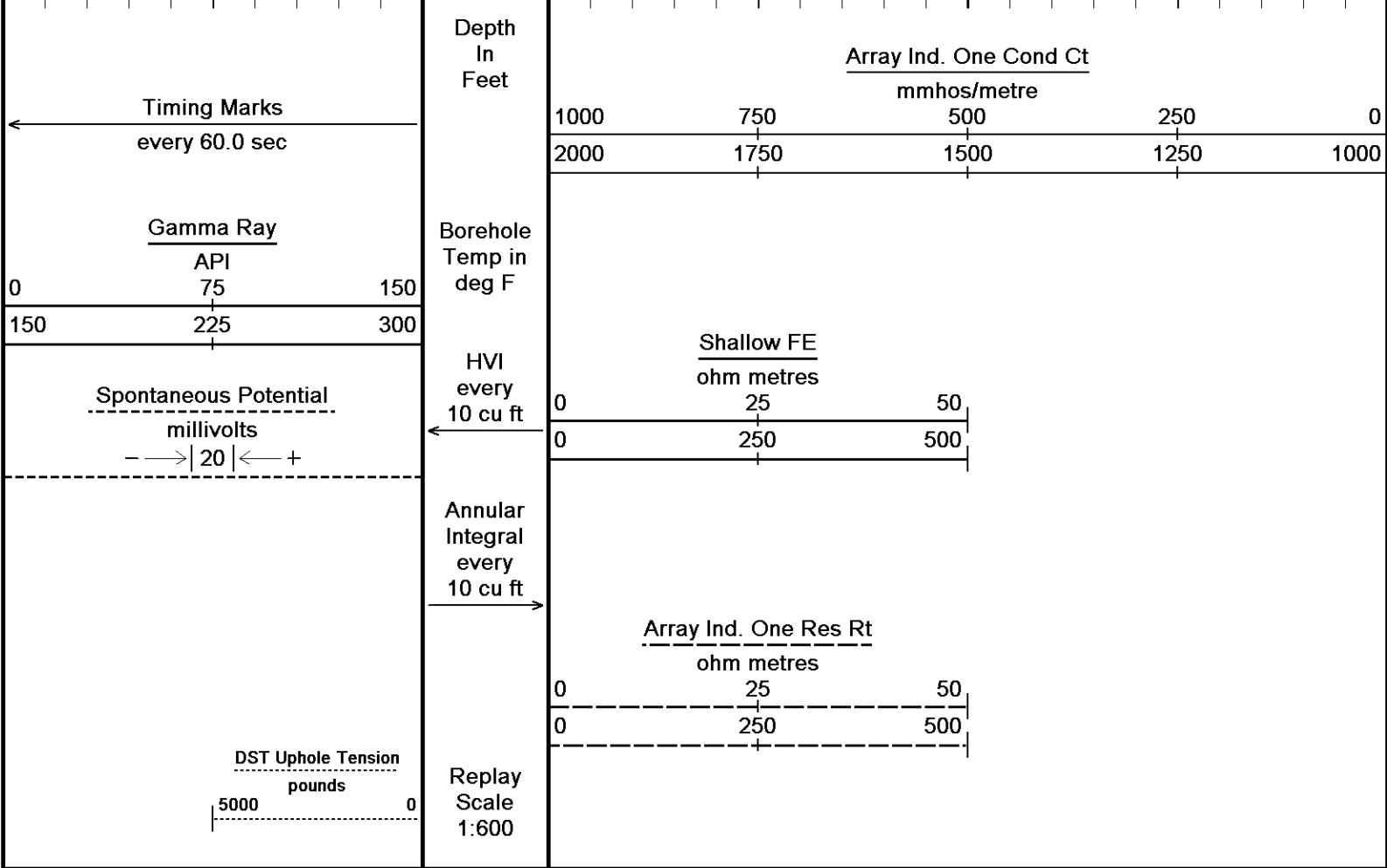












Depth Based Data - Maximum Sampling Increment 10.0cmPlotted on 04-MAR-2017 07:42

Filename: C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1...\McCoy Reed Trust 'A' #1-36_003.dtaRecorded on 03-MAR-2017 23:29

System Versions: Logged with 16.05.4955Plotted with 16.05.4955

↑

2 INCH MAIN

↑

↓

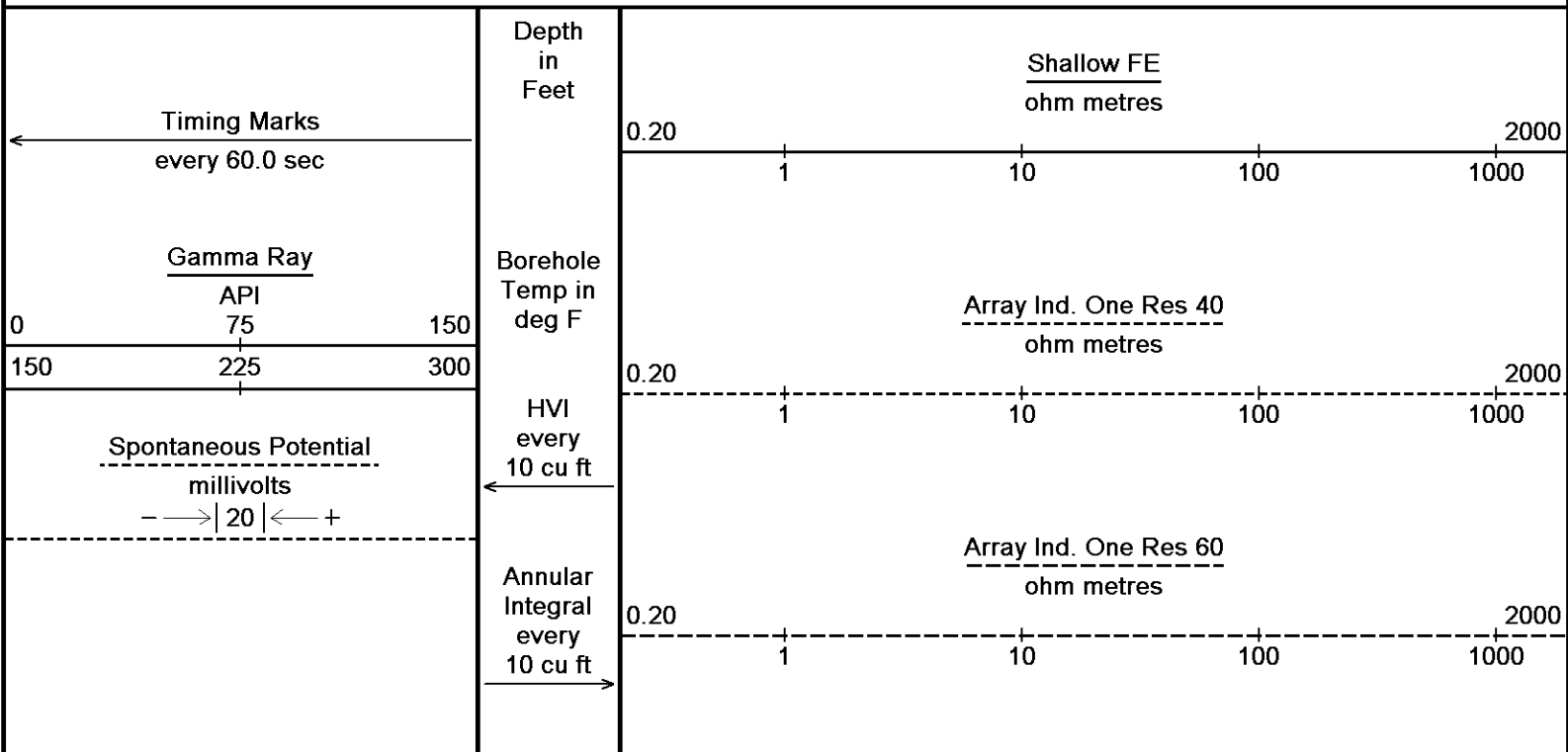
5 INCH MAIN

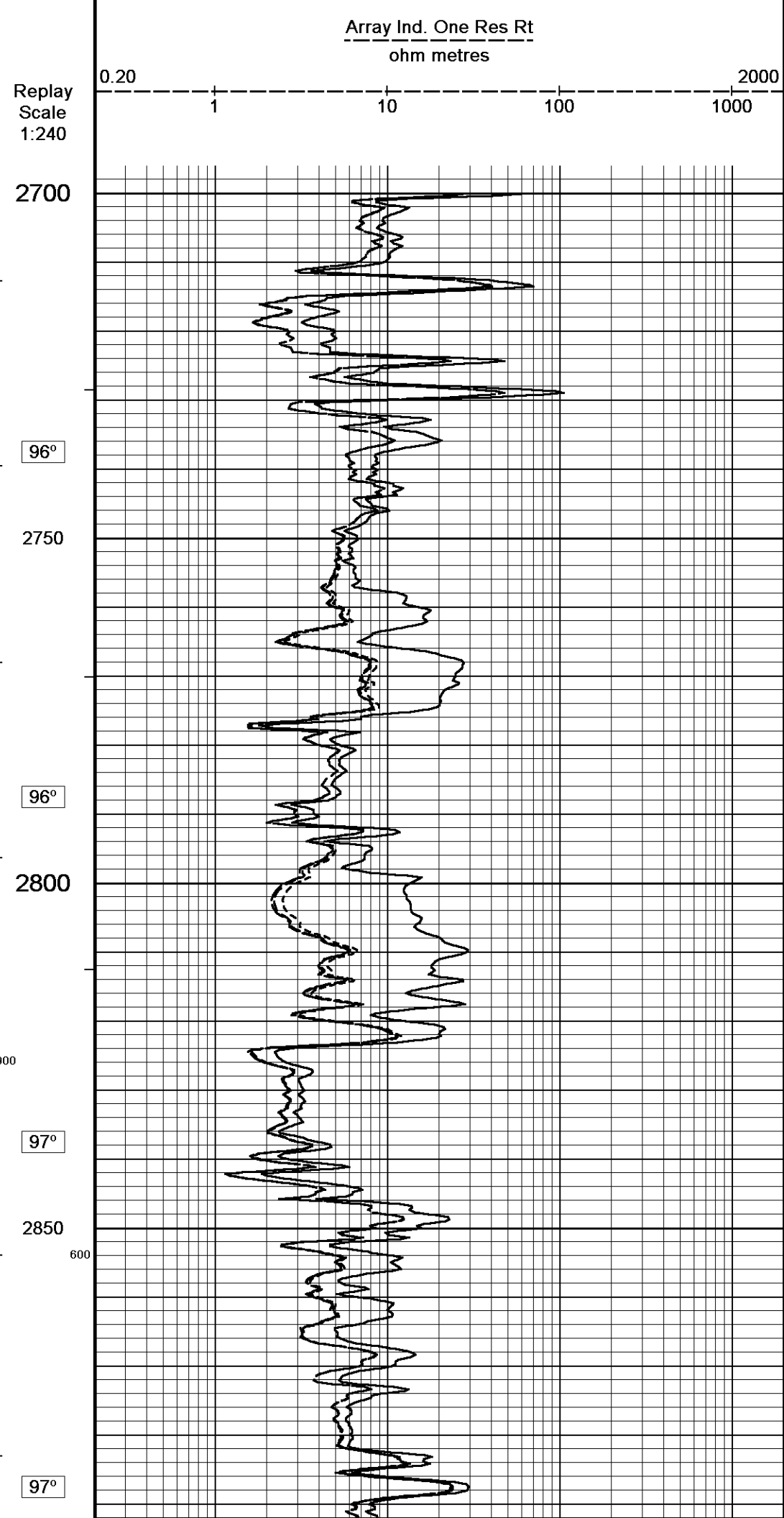
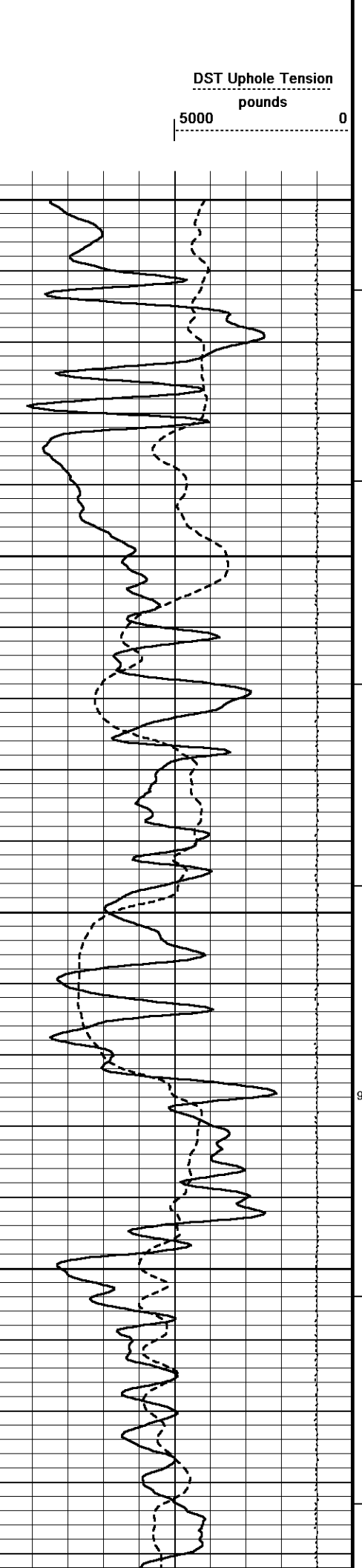
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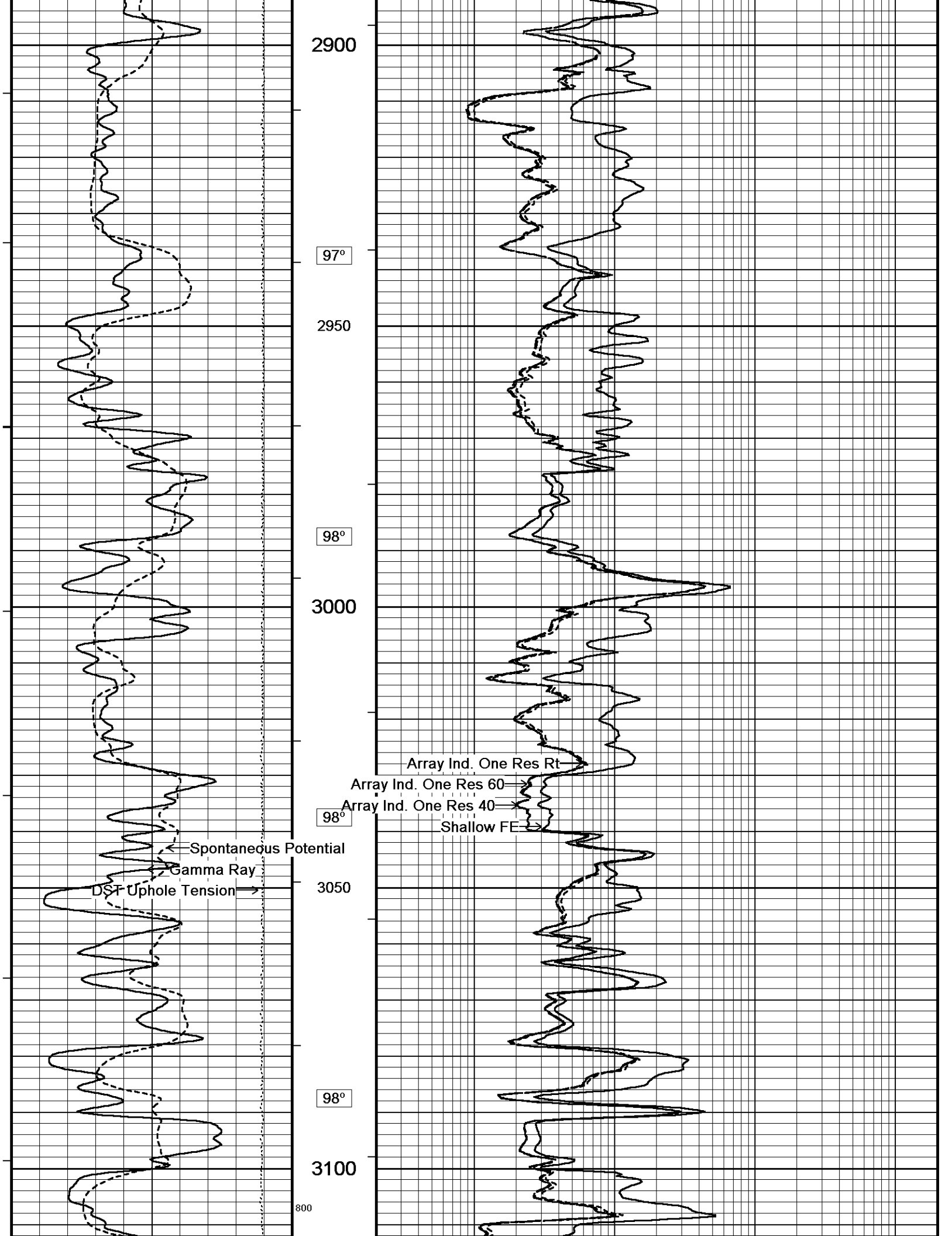
Depth Based Data - Maximum Sampling Increment 10.0cmPlotted on 04-MAR-2017 07:42

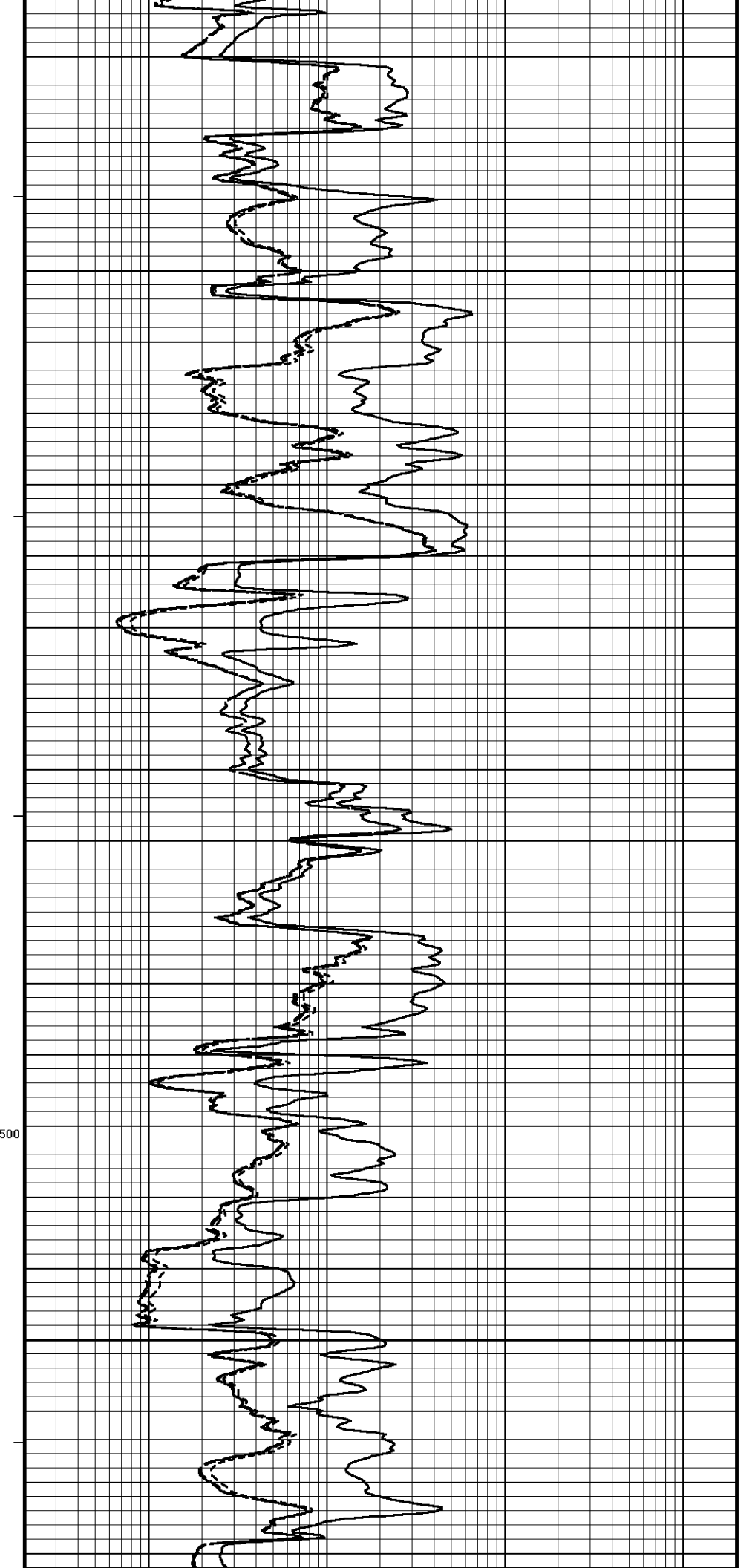
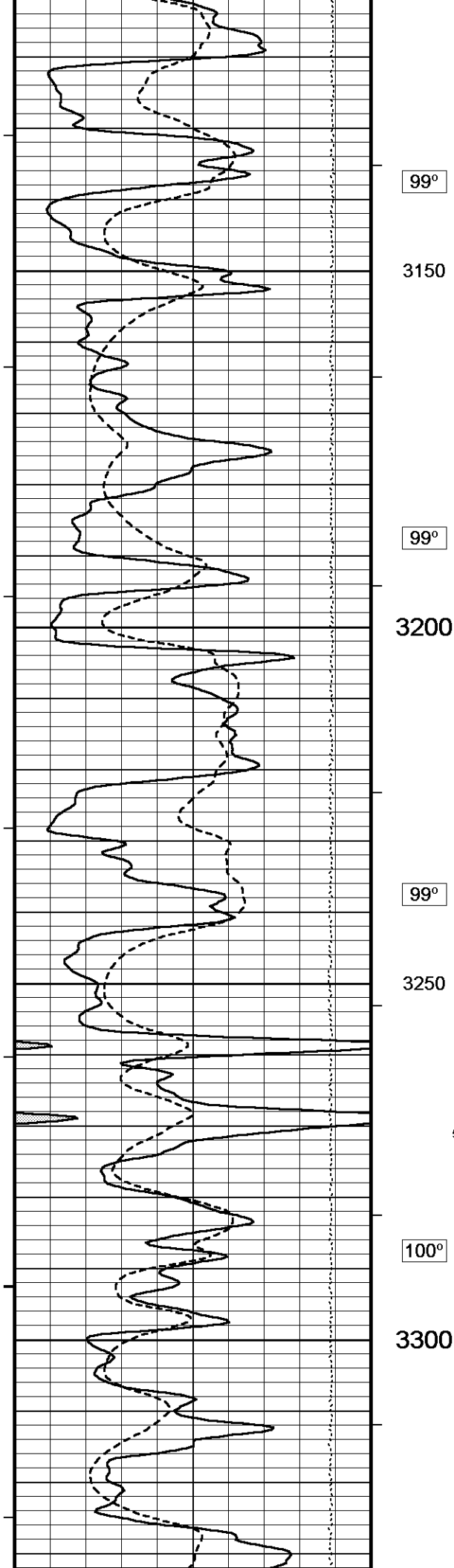
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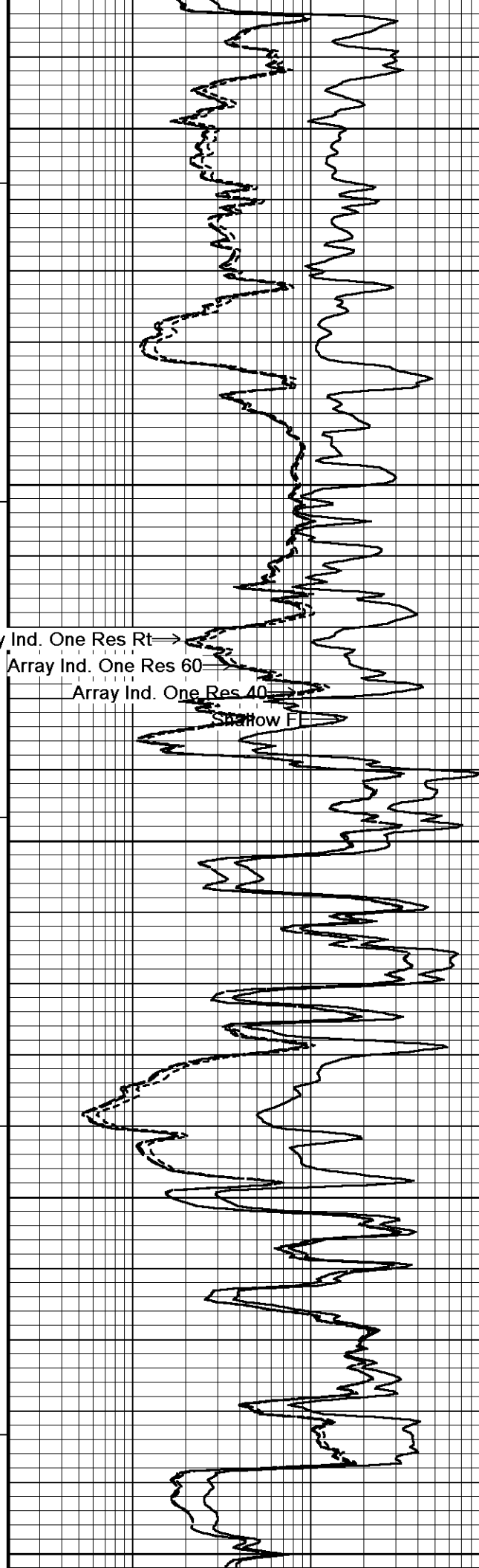
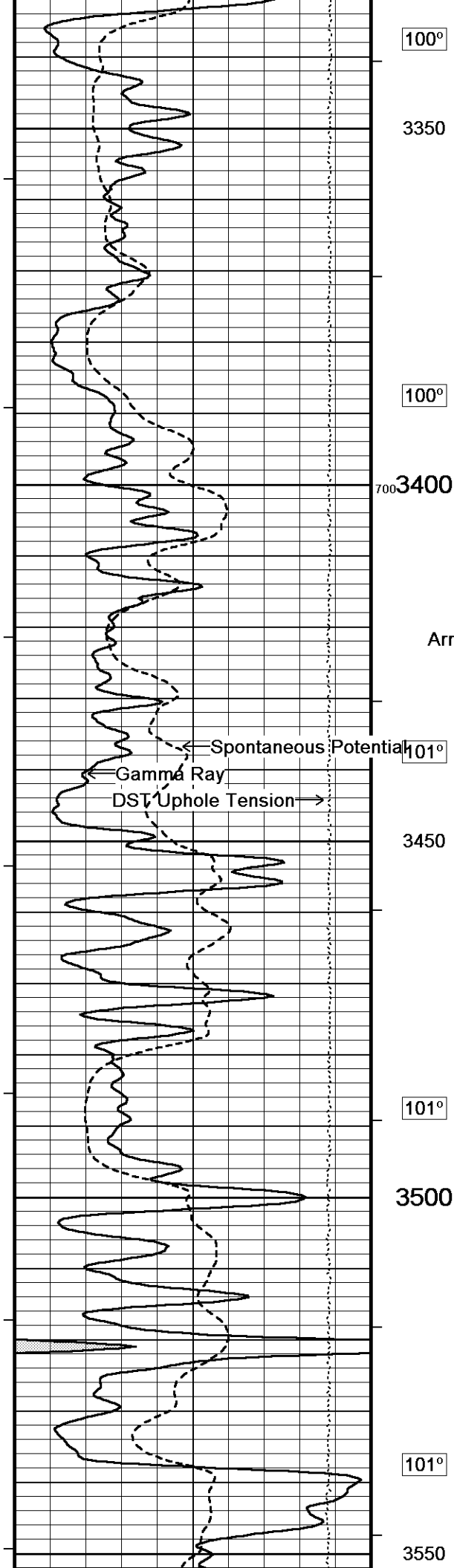
System Versions: Logged with 16.05.4955Plotted with 16.05.4955

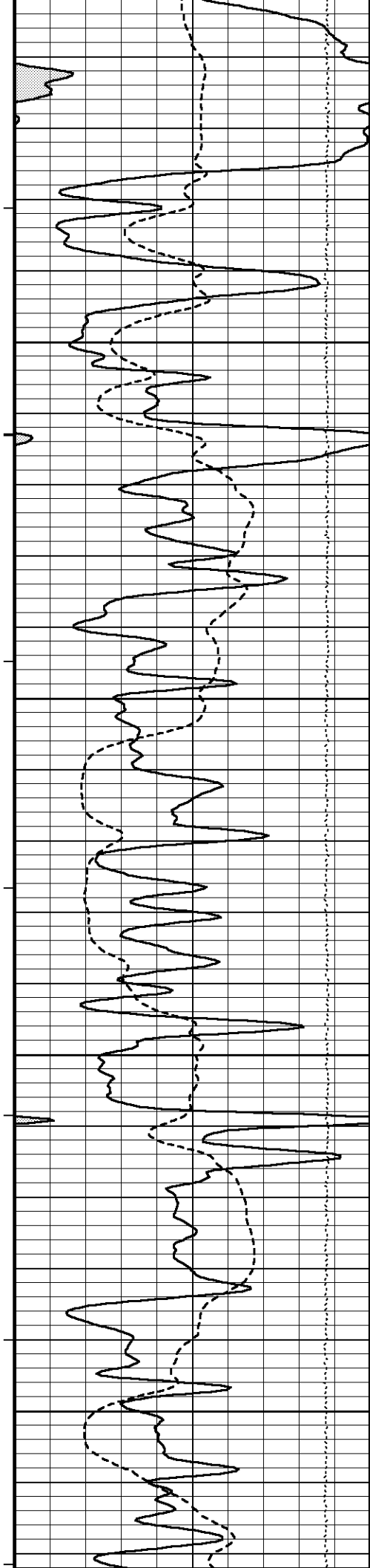












102°

3600

102°

3650

102°

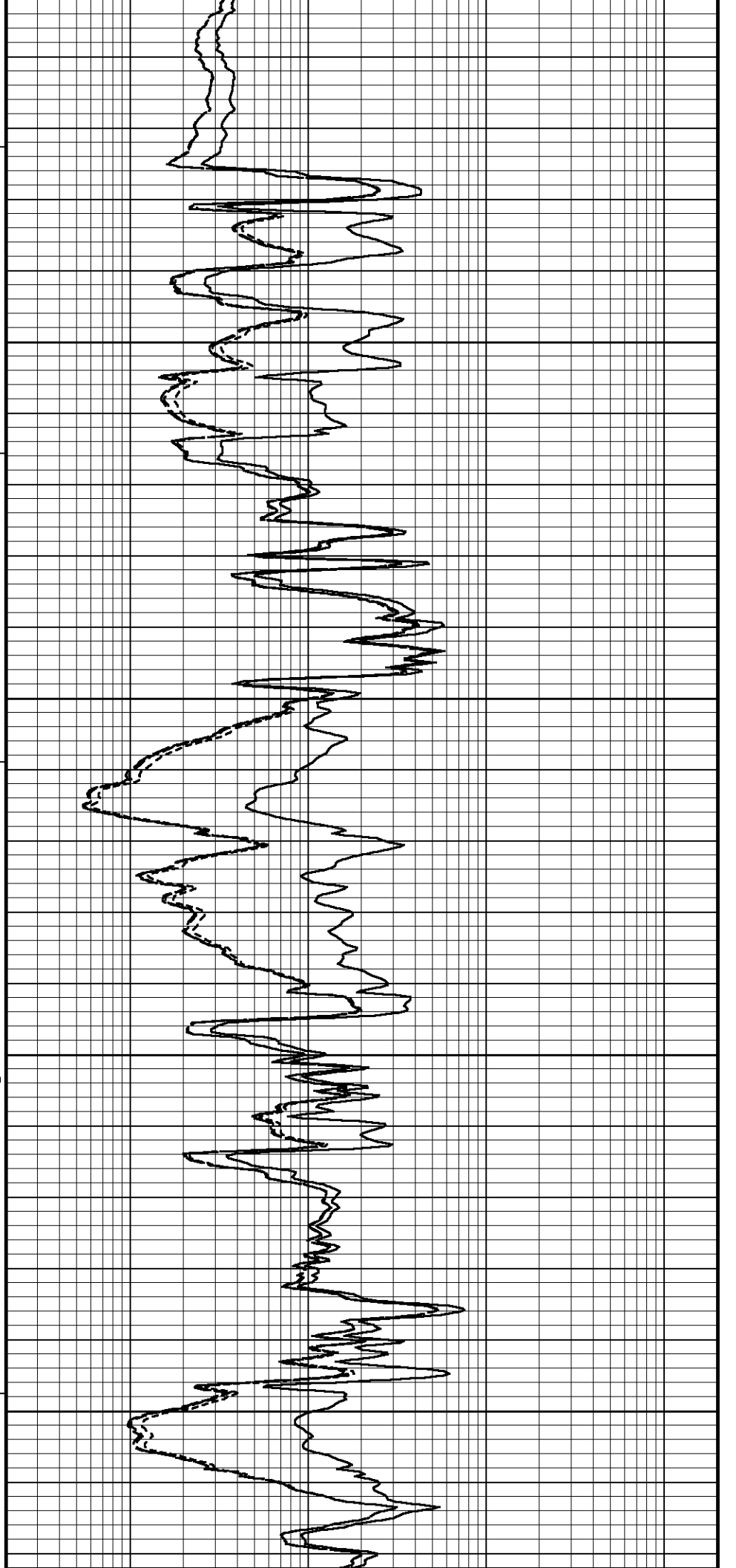
600

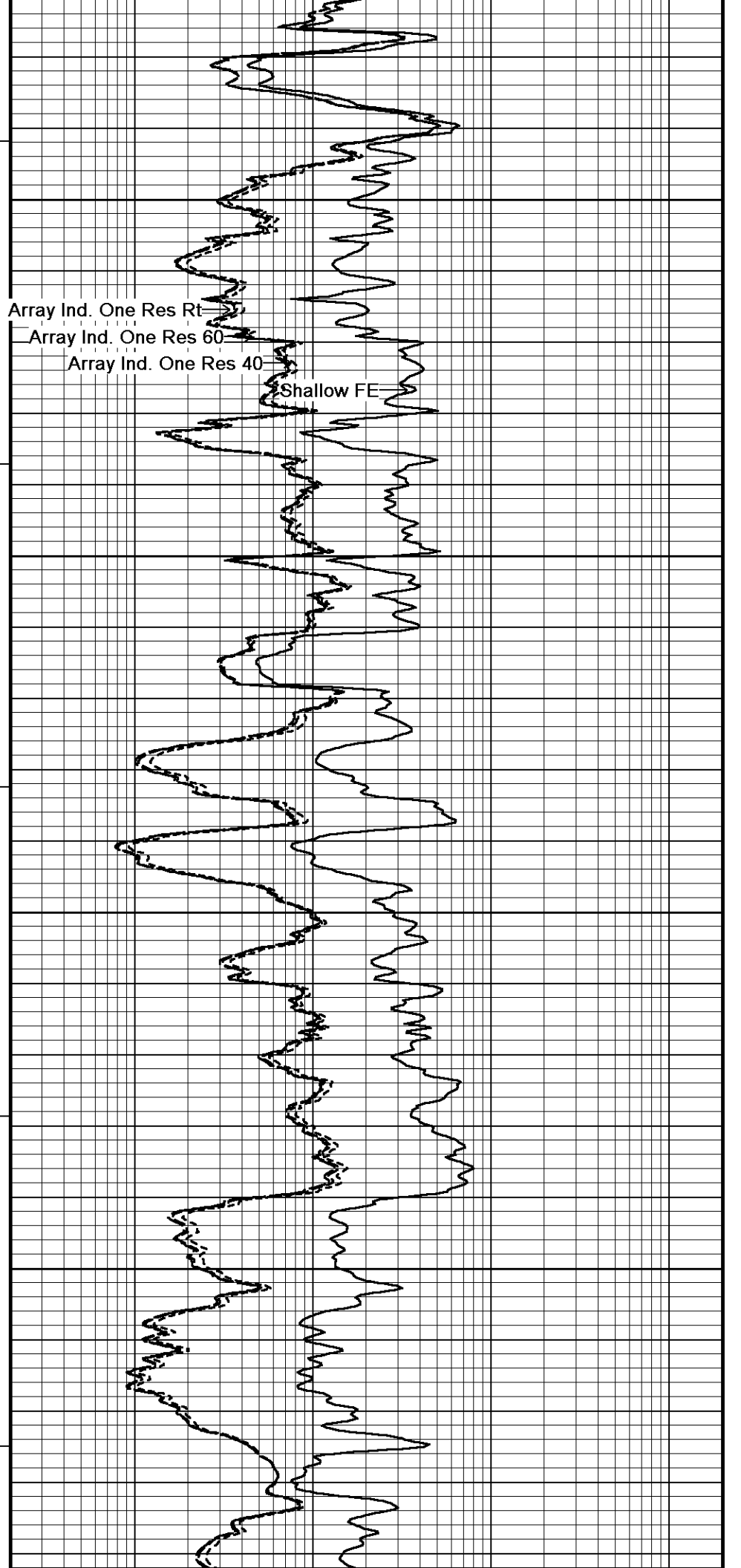
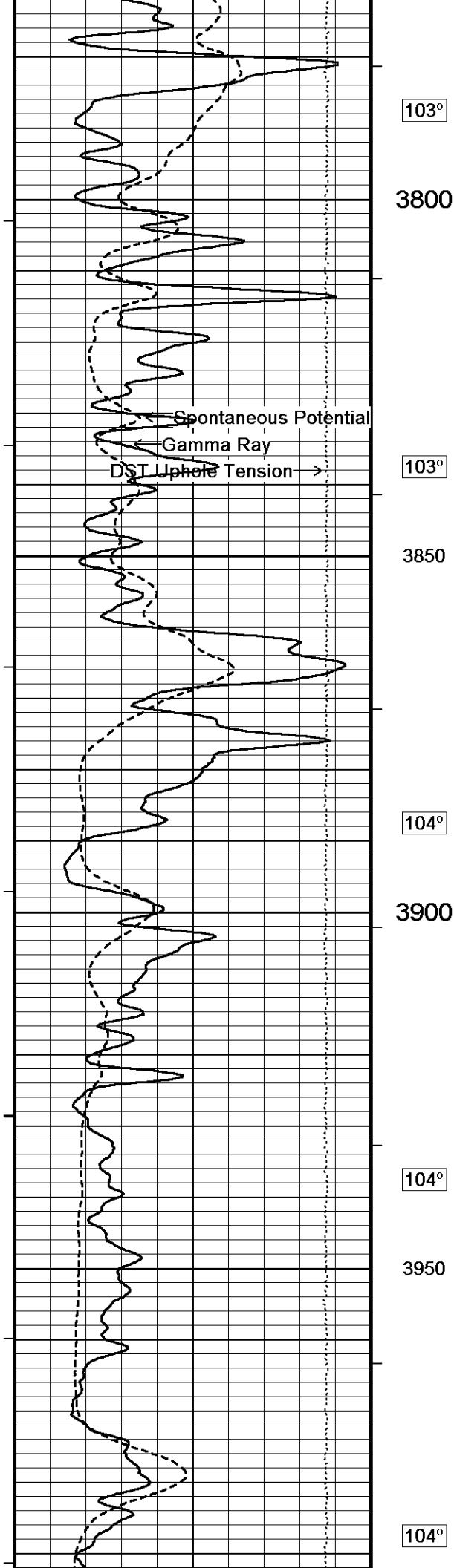
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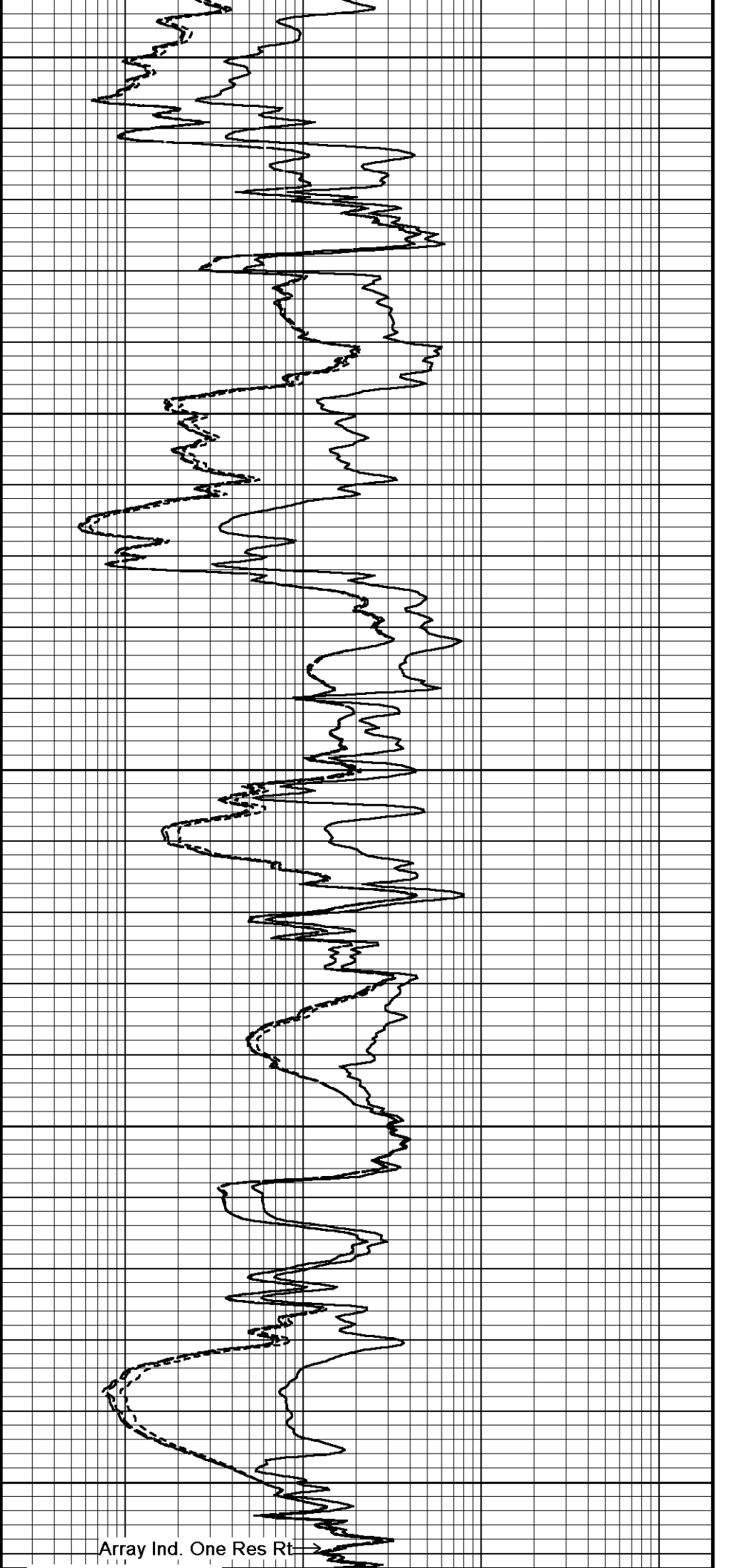
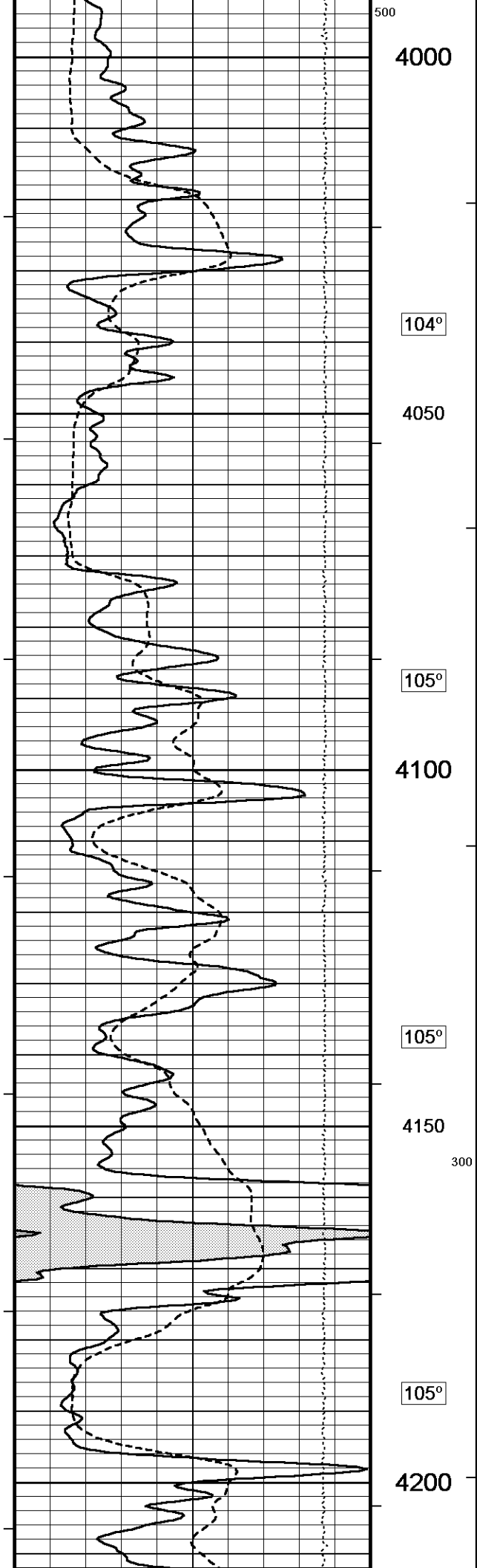
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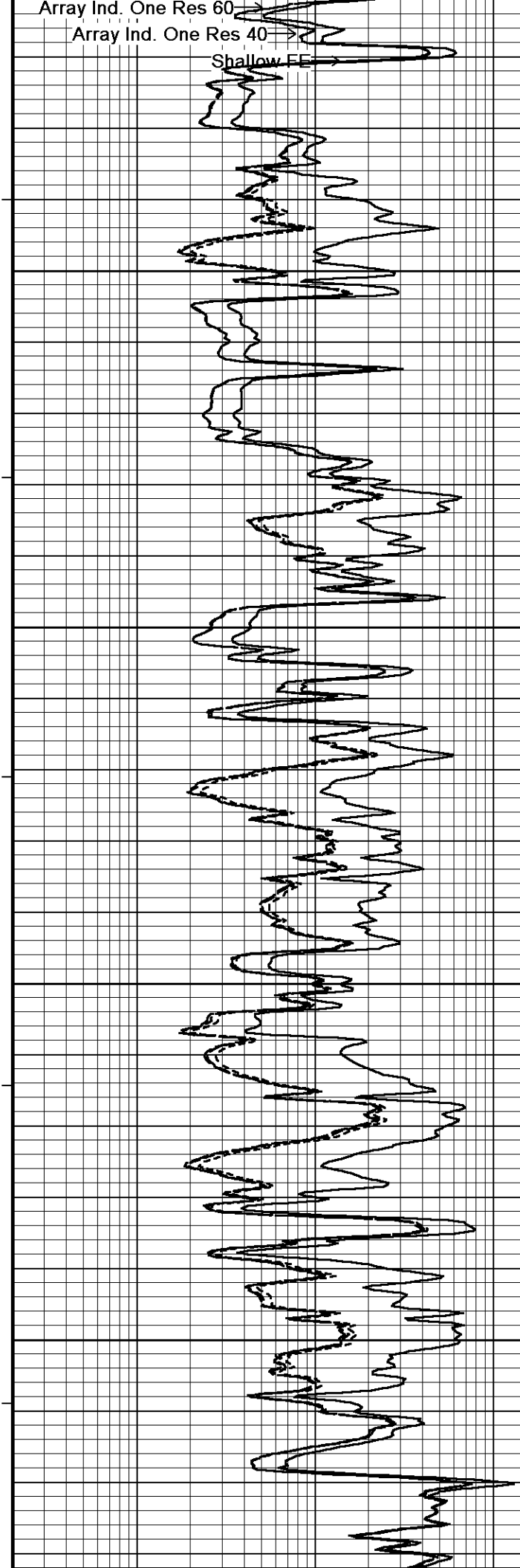
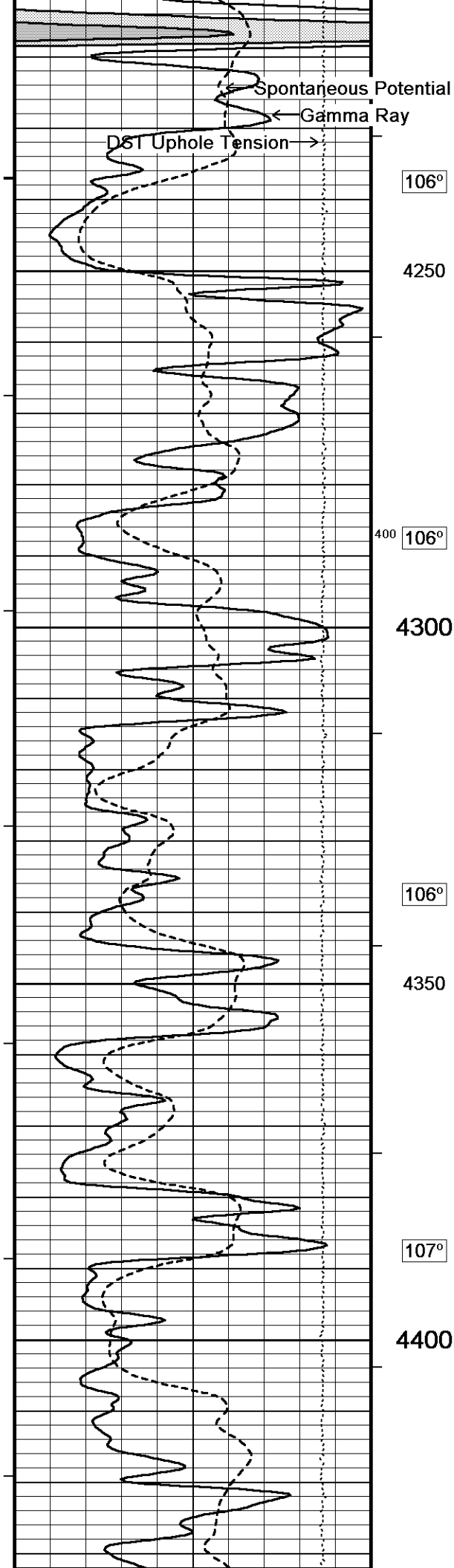
103°

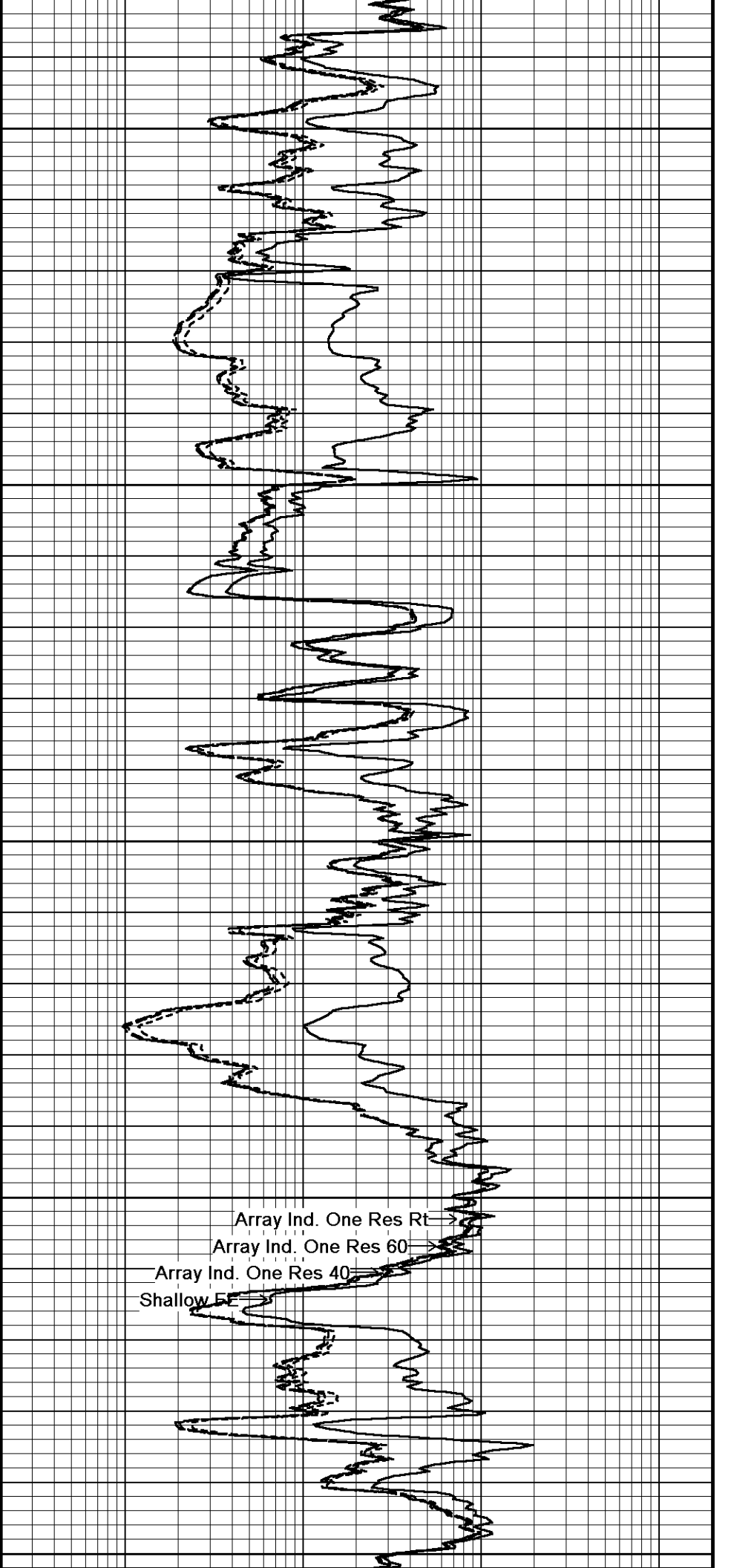
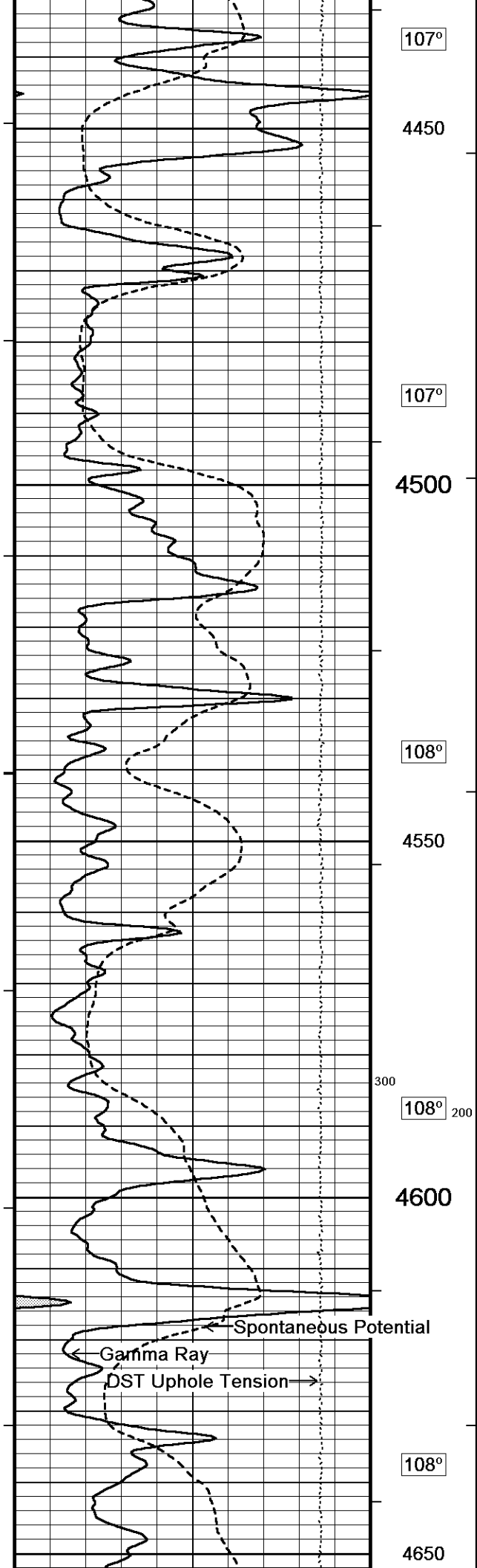
3750

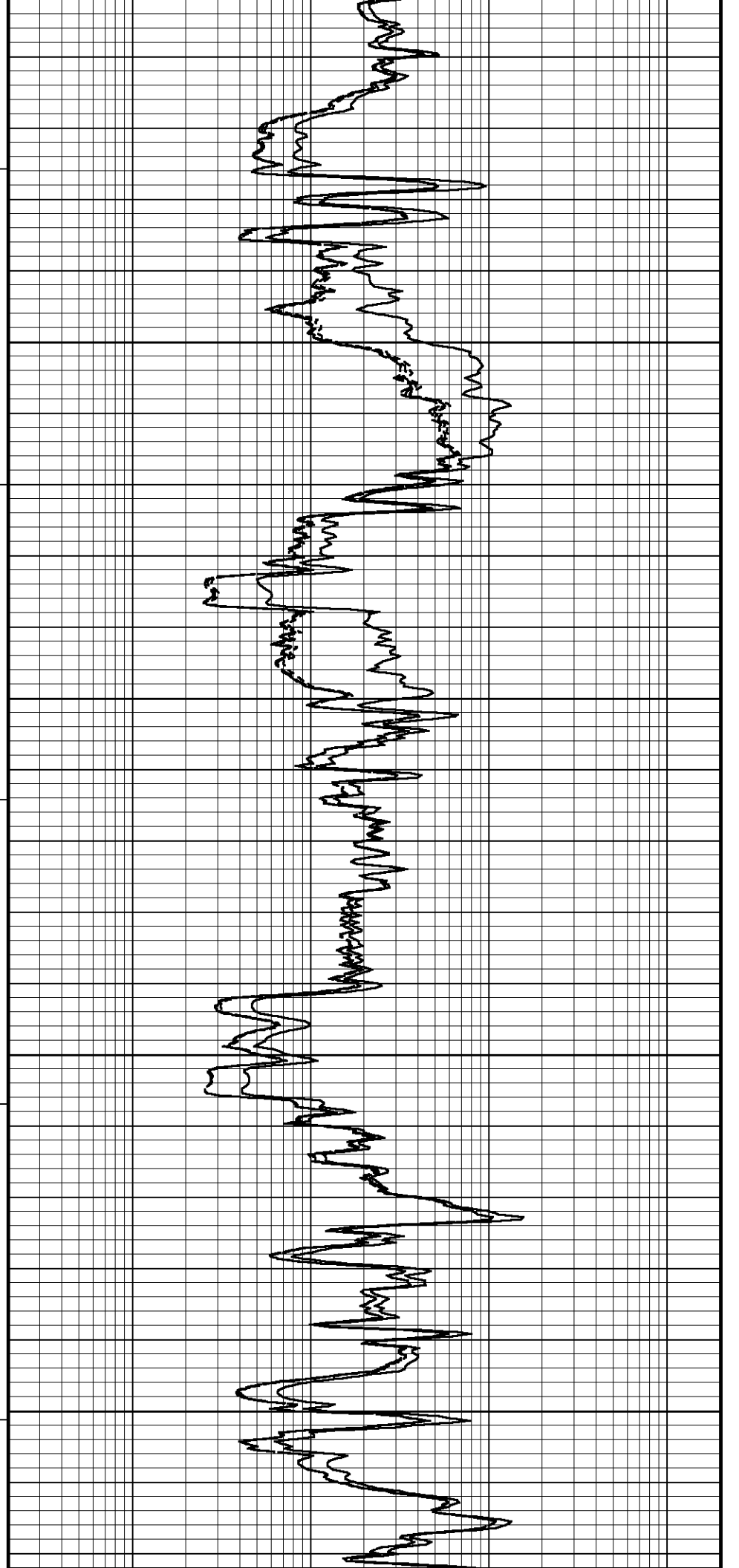
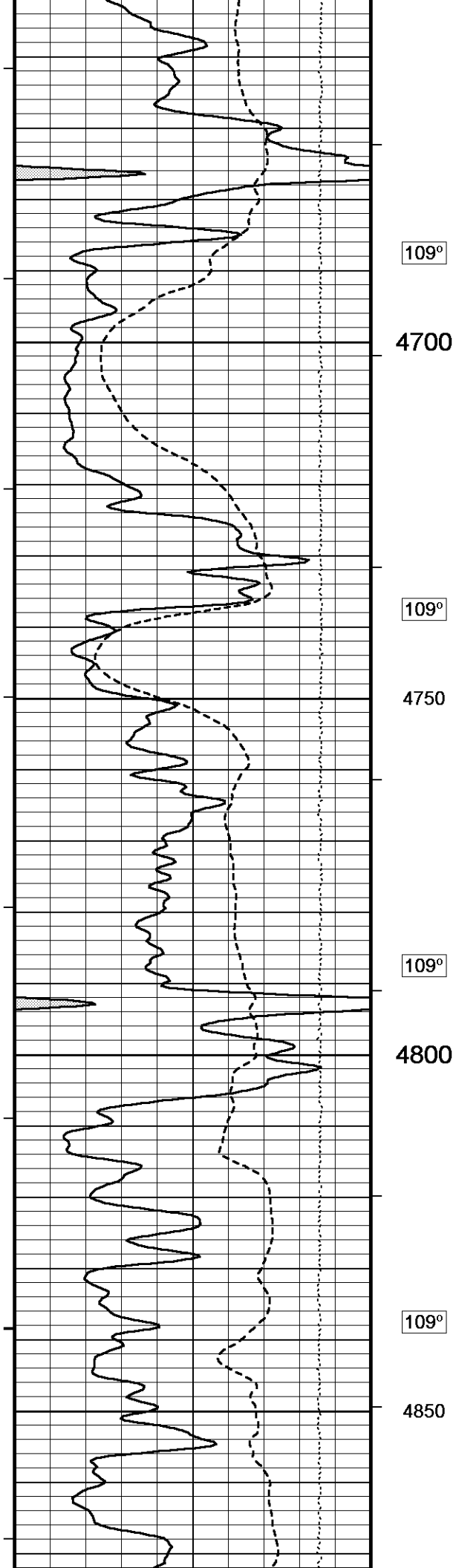


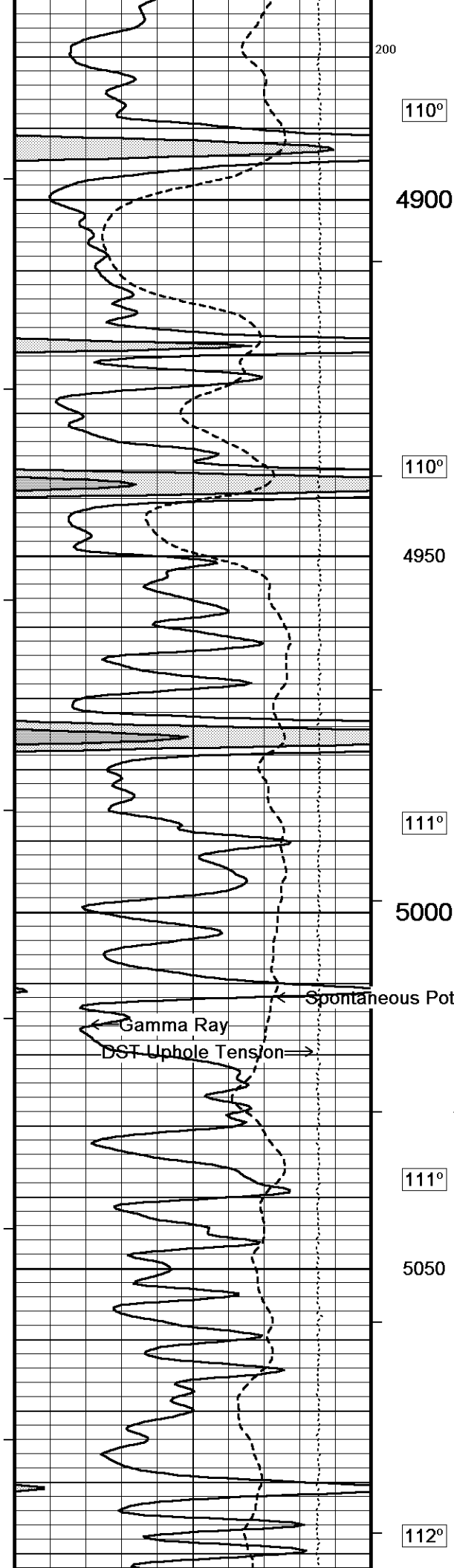












200

110°

4900

110°

4950

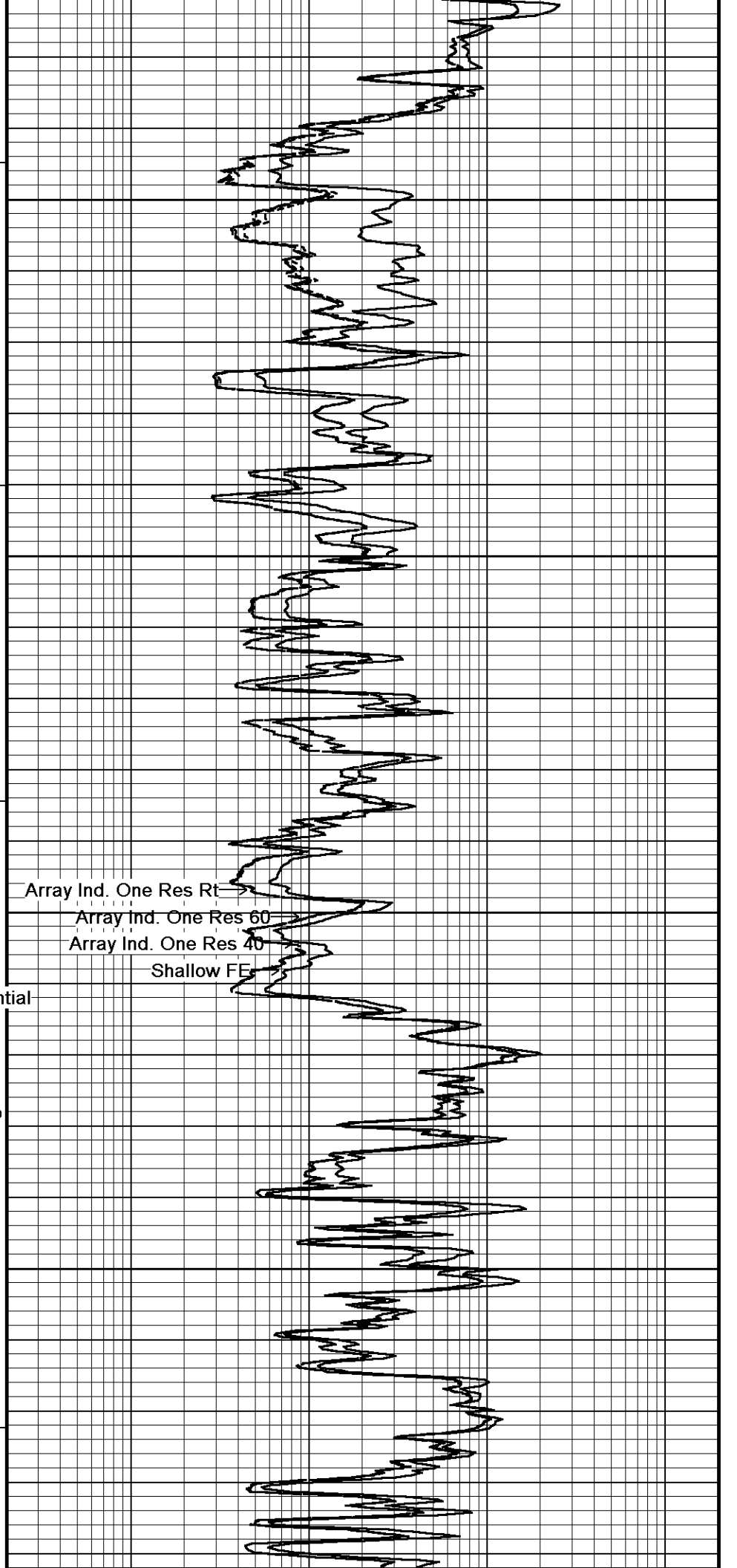
111°

5000

111°

5050

112°

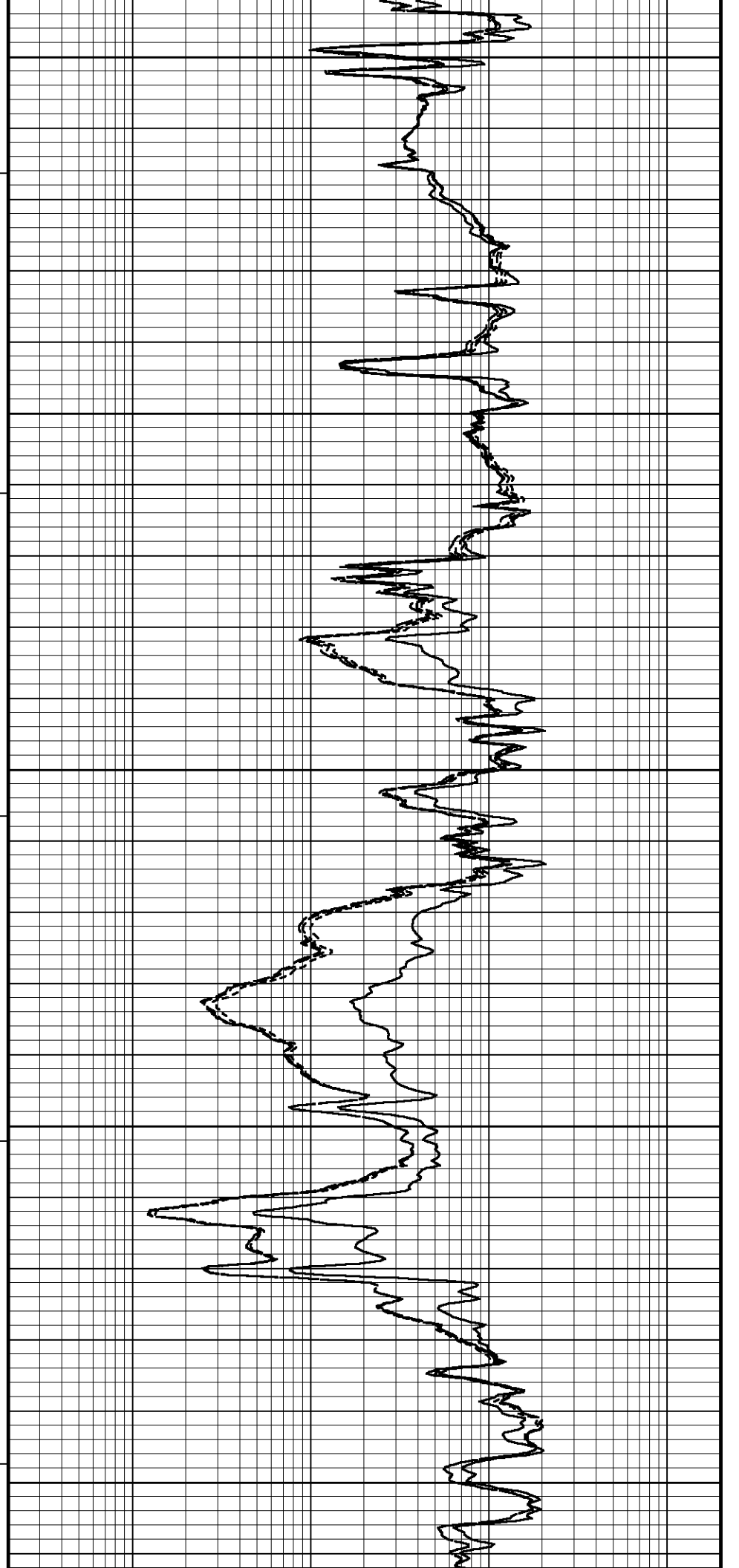
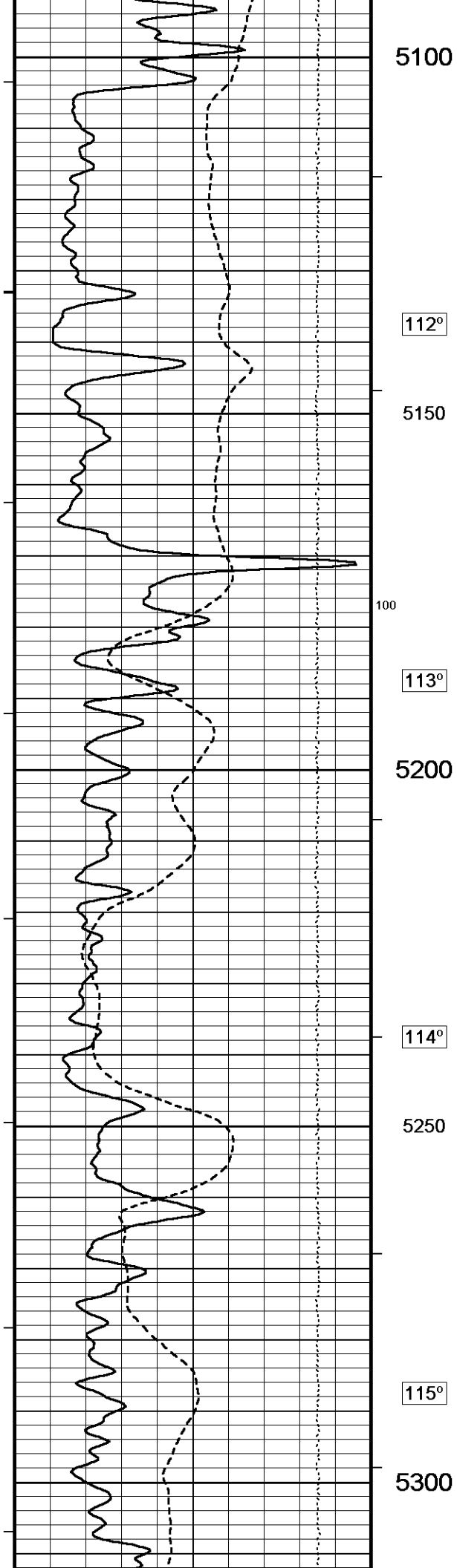


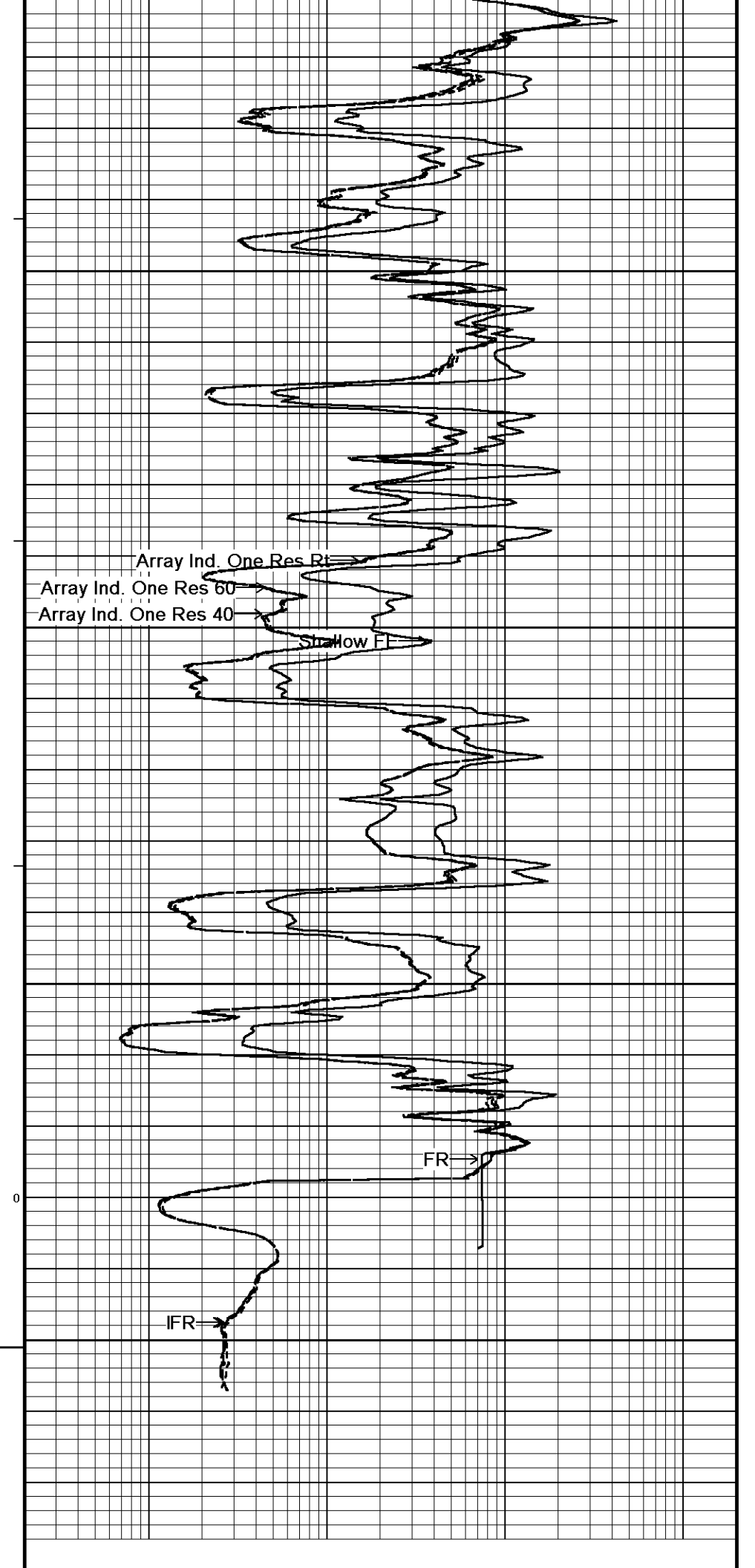
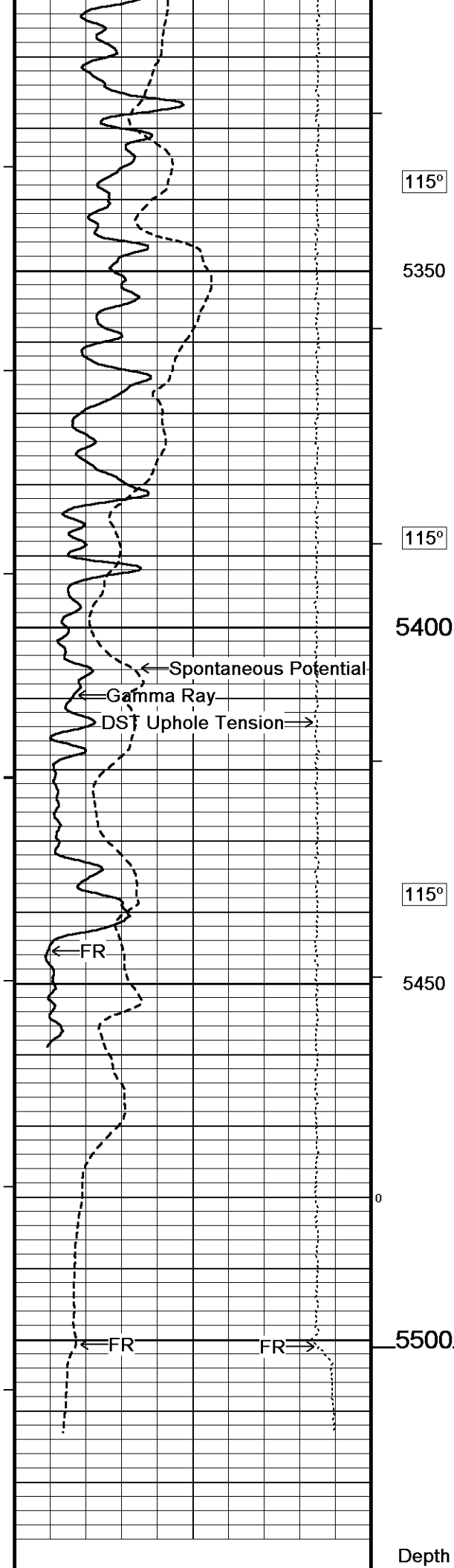
Array Ind. One Res Rt

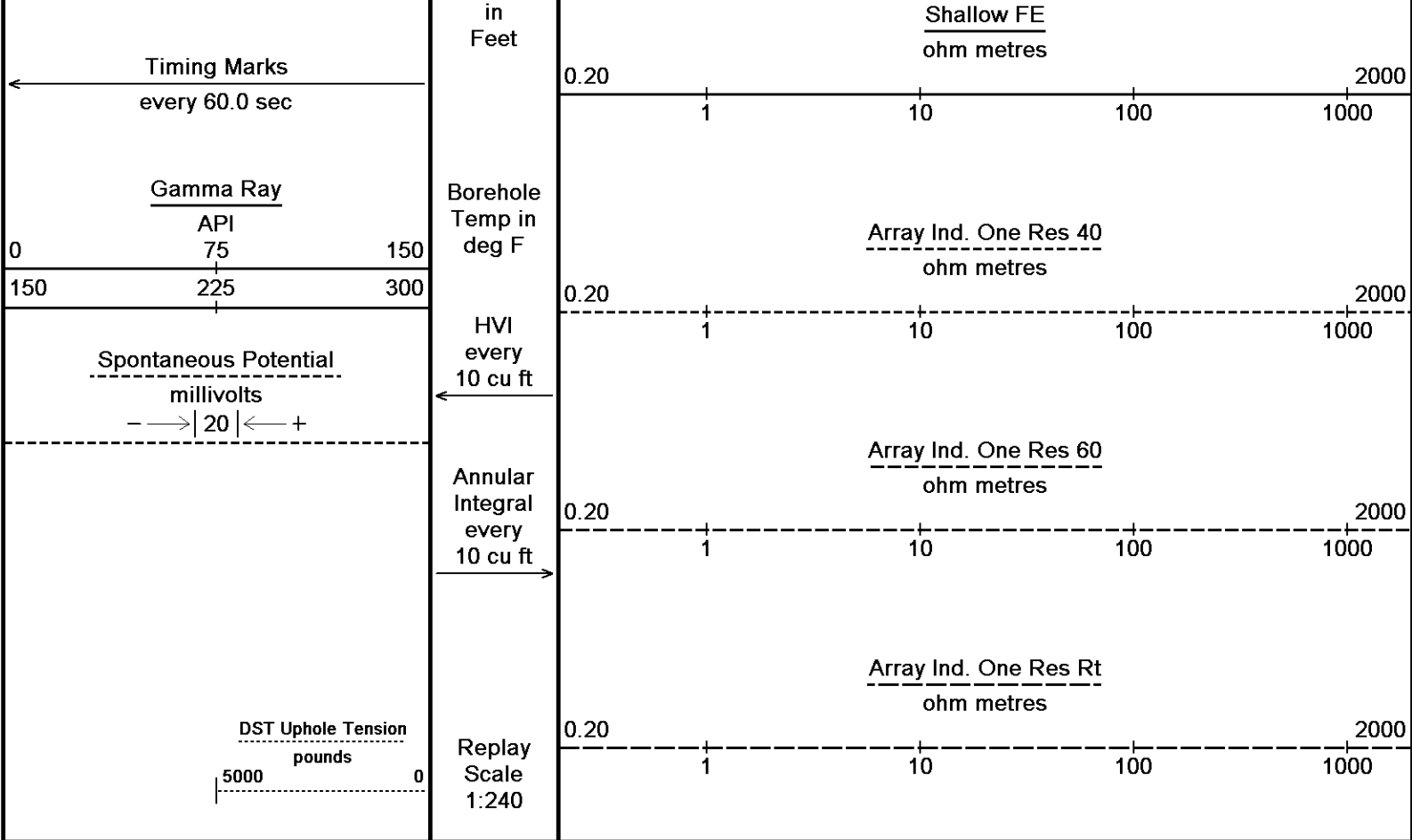
Array Ind. One Res 60

Array Ind. One Res 40

Shallow FEs



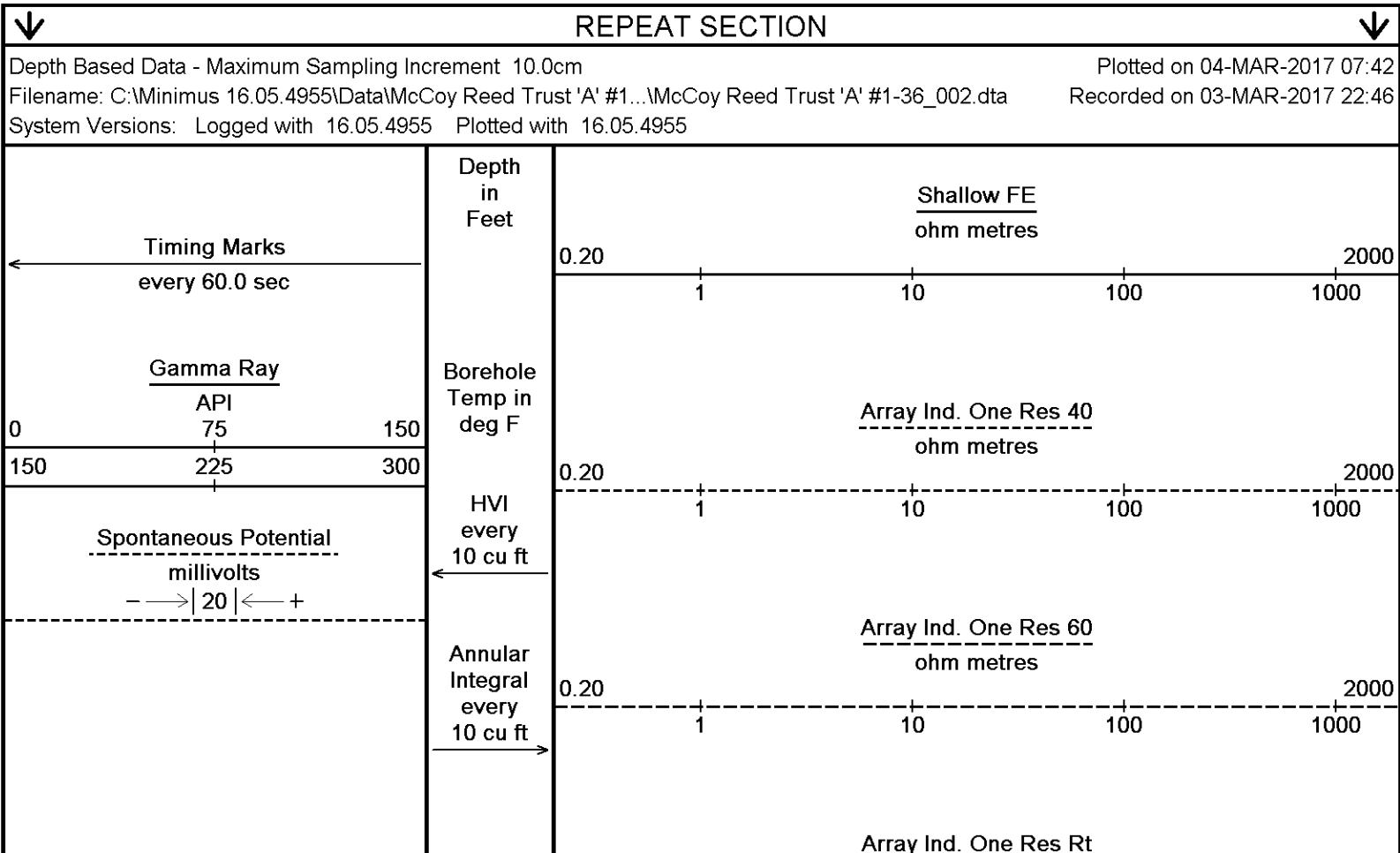




Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1...\McCoy Reed Trust 'A' #1-36_003.dta
System Versions: Logged with 16.05.4955 Plotted with 16.05.4955

Plotted on 04-MAR-2017 07:42
Recorded on 03-MAR-2017 23:29

↑ 5 INCH MAIN ↑



DST Uphole Tension
pounds
5000 0

Replay
Scale
1:240

0.20

ohm metres

2000

1

10

100

1000

4950

110°

5000

Array Ind. One Res Rt

Array Ind. One Res 60

Array Ind. One Res 40

Shallow FE

Spontaneous Potential

Gamma Ray

DST Uphole Tension

100

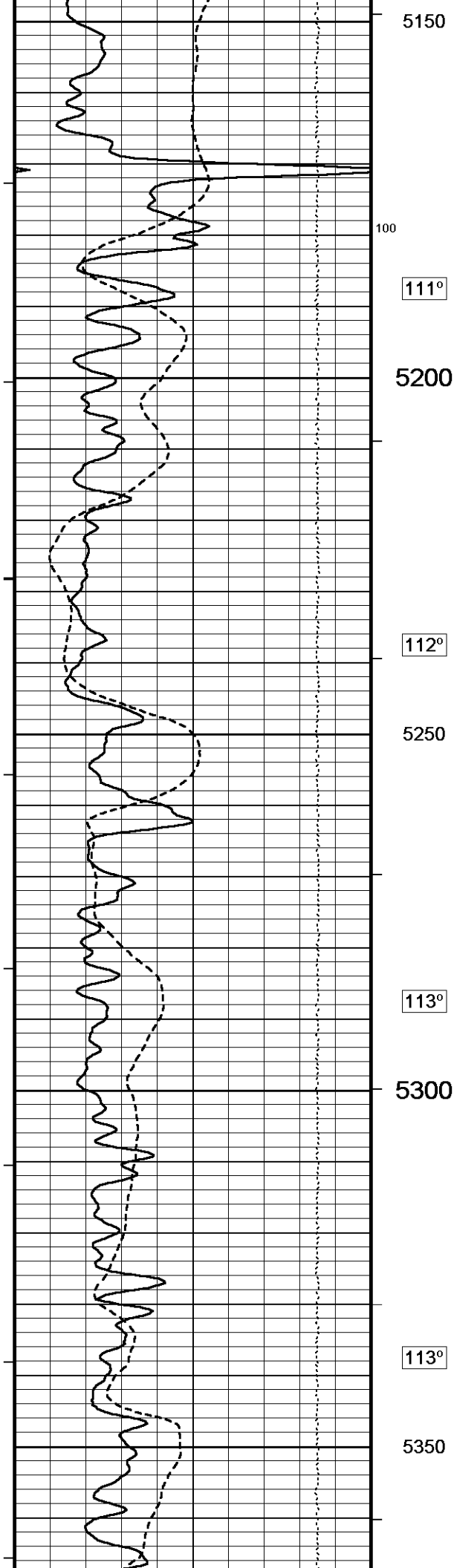
110°

5050

111°

5100

111°



5150

100

111°

5200

112°

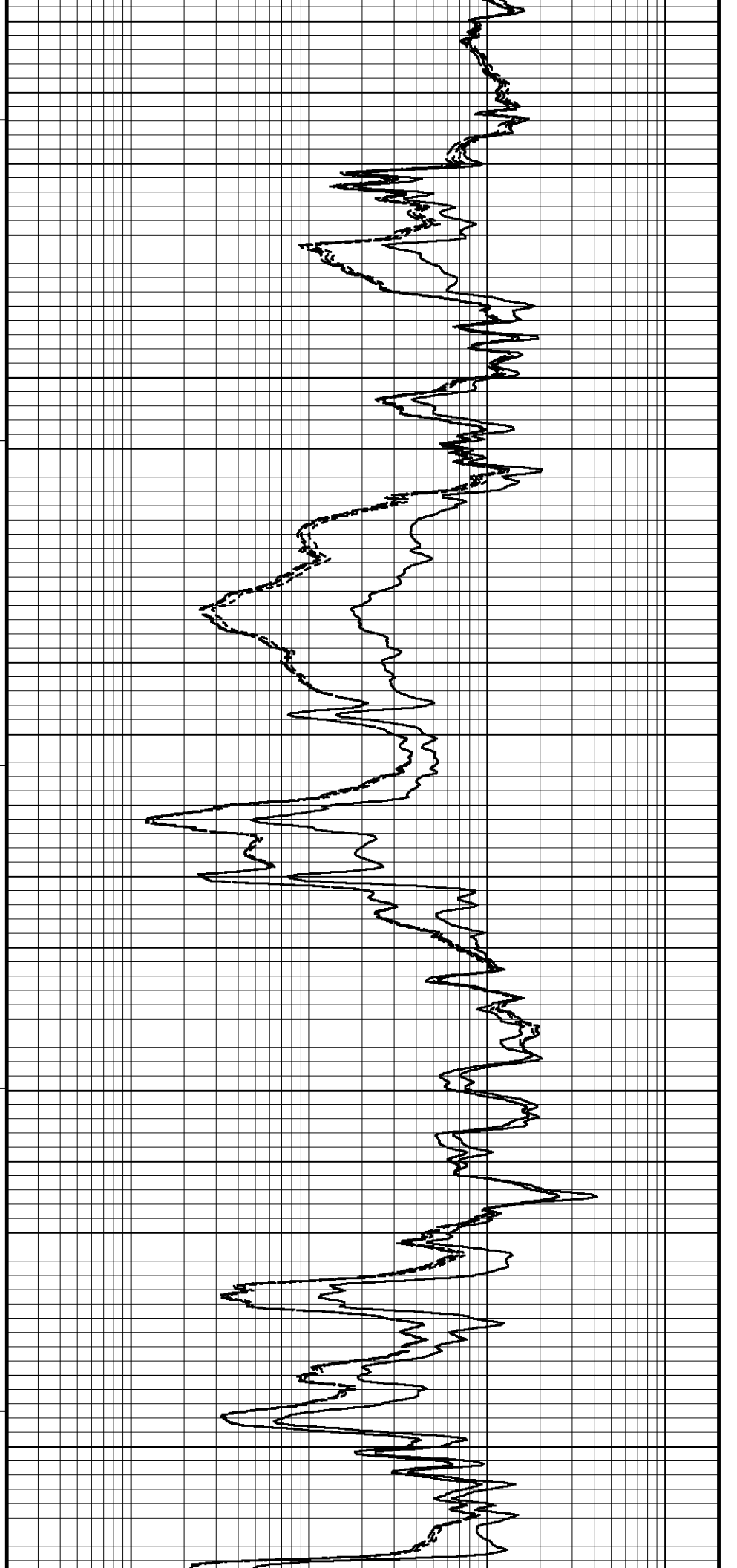
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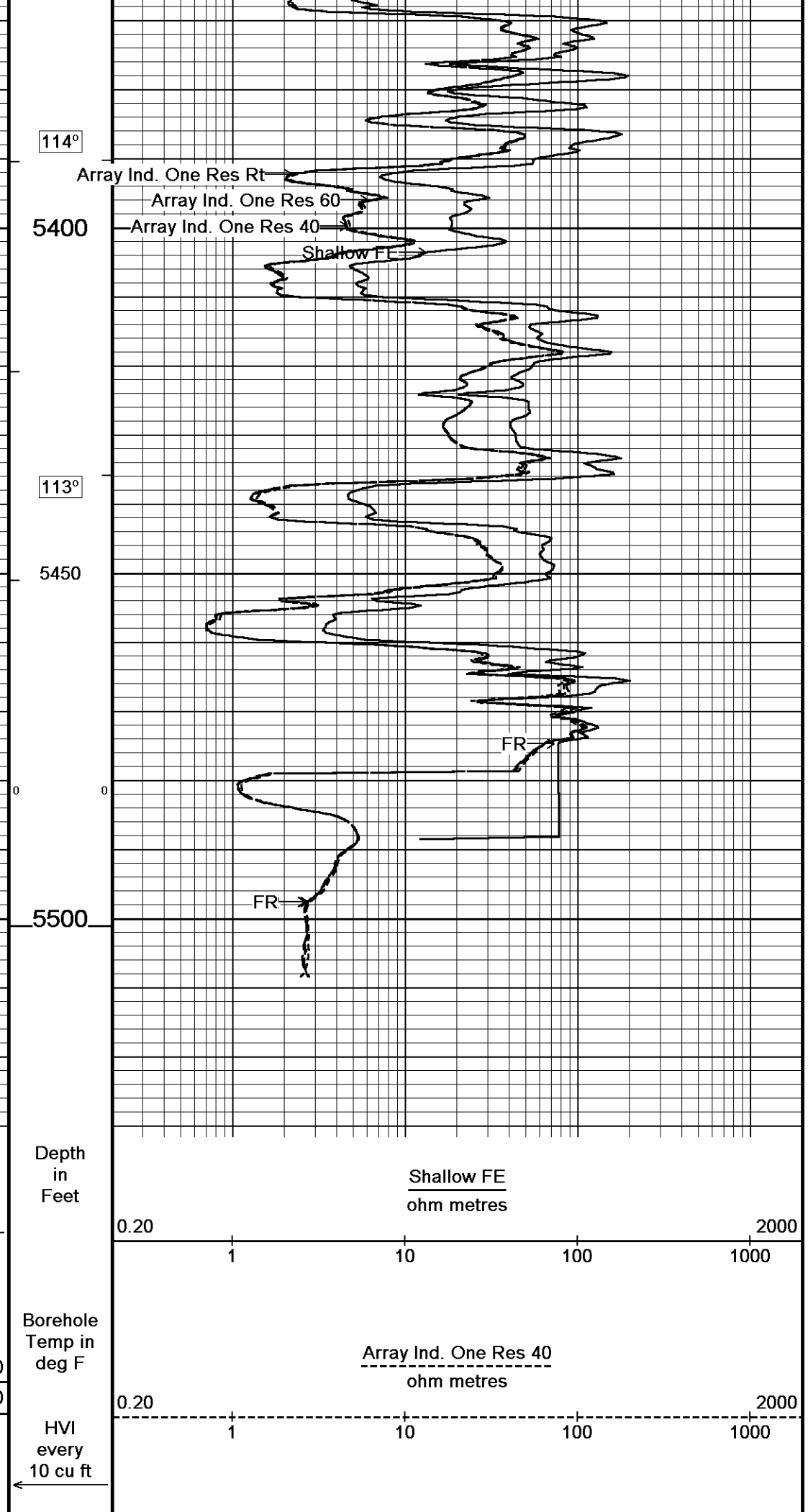
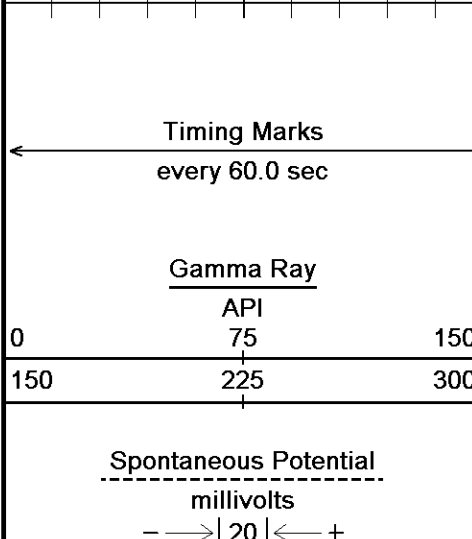
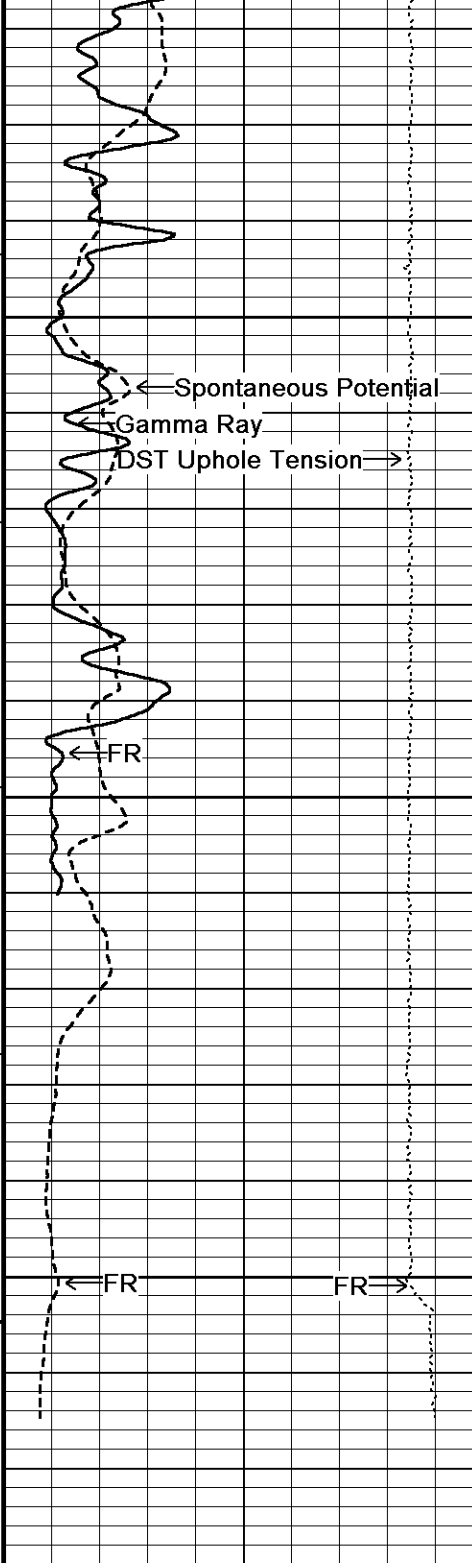
113°

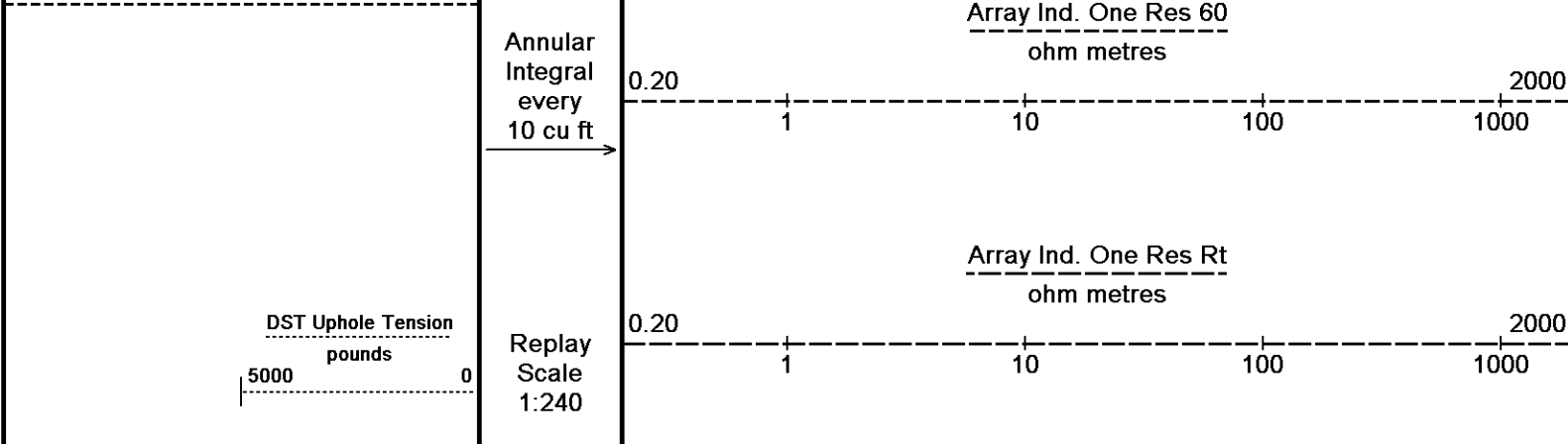
5300

113°

5350







Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 04-MAR-2017 07:42

Filename: C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1...\McCoy Reed Trust 'A' #1-36_002.dta
Recorded on 03-MAR-2017 22:46

System Versions: Logged with 16.05.4955
Plotted with 16.05.4955

↑
REPEAT SECTION
↑

BEFORE SURVEY CALIBRATION
 C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1-36\McCoy Reed Trust 'A' #1-36_002.dta

General Constants All 000		Last Edited on 03-MAR-2017,22:06															
General Parameters <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Mud Resistivity</td> <td style="width: 20%; text-align: center;">0.990</td> <td style="width: 40%;">ohm-metres</td> </tr> <tr> <td>Mud Resistivity Temperature</td> <td style="text-align: center;">75.000</td> <td>degrees F</td> </tr> <tr> <td>Water Level</td> <td style="text-align: center;">0.000</td> <td>feet</td> </tr> <tr> <td>Borehole Fluid Processing</td> <td colspan="2" style="text-align: center;">Wet Hole</td> </tr> </table>			Mud Resistivity	0.990	ohm-metres	Mud Resistivity Temperature	75.000	degrees F	Water Level	0.000	feet	Borehole Fluid Processing	Wet Hole				
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Water Level	0.000	feet															
Borehole Fluid Processing	Wet Hole																
Hole/Annular Volume and Differential Caliper Parameters <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">HVOL Method</td> <td style="width: 20%; text-align: center;">Single Caliper</td> <td style="width: 40%;"></td> </tr> <tr> <td>HVOL Caliper 1</td> <td style="text-align: center;">Density Caliper</td> <td></td> </tr> <tr> <td>HVOL Caliper 2</td> <td style="text-align: center;">N/A</td> <td></td> </tr> <tr> <td>Annular Volume Diameter</td> <td style="text-align: center;">4.500</td> <td>inches</td> </tr> <tr> <td>Caliper for Differential Caliper</td> <td style="text-align: center;">None</td> <td></td> </tr> </table>			HVOL Method	Single Caliper		HVOL Caliper 1	Density Caliper		HVOL Caliper 2	N/A		Annular Volume Diameter	4.500	inches	Caliper for Differential Caliper	None	
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Rwa Parameters <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Porosity used</td> <td style="width: 20%; text-align: center;">Base Density Porosity</td> <td style="width: 40%;"></td> </tr> <tr> <td>Resistivity used</td> <td style="text-align: center;">Array Ind. One Res Rt</td> <td></td> </tr> <tr> <td>RWA Constant A</td> <td style="text-align: center;">0.620</td> <td></td> </tr> <tr> <td>RWA Constant M</td> <td style="text-align: center;">2.150</td> <td></td> </tr> <tr> <td>SW/APOR Tool Source</td> <td style="text-align: center;">0.000</td> <td></td> </tr> </table>			Porosity used	Base Density Porosity		Resistivity used	Array Ind. One Res Rt		RWA Constant A	0.620		RWA Constant M	2.150		SW/APOR Tool Source	0.000	
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Resistivity used	Array Ind. One Res Rt																
RWA Constant A	0.620																
RWA Constant M	2.150																
SW/APOR Tool Source	0.000																

Down-hole Tension Calibration SMS 0			Field Calibration on 16-FEB-2017 01:57
Reading No	Measured	Calibrated (lbs)	
1	493.46	0.00	
2	-2294.05	481.00	

Gamma Calibration MCG-C 123			Field Calibration on 03-MAR-2017 11:09
	Measured	Calibrated (API)	
Background	71	49	
Calibrator (Gross)	733	505	
Calibrator (Net)	662	456	

Gamma Calibration Tolerances MCG-C 123	
Ratio	1.452 1.40 1.475 1.55 Counts/API

Gamma Constants MCG-C 123		Last Edited on 03-MAR-2017,20:51
Gamma Calibrator Number	MCGGRCC141	
GRC-M Calibrator Jig in Use?	NO	
Inactive Background Jig in Use?	NO	
Mud Density	1.09	gm/cc
Caliper Source for Processing	Density Caliper	

Tool Position	Eccentred	
Potassium Equivalence	Chloride	
K Mud Concentration	0.00	%
High Resolution Temperature Calibration MCG-C 123		Field Calibration on 11-FEB-2017,15:04
	Measured	Calibrated(Deg F)
Lower	50.00	50.00
Upper	100.00	100.00
High Resolution Temperature Constants MCG-C 123		Last Edited on 22-SEP-2015,11:43
Pre-filter Length	11	
SP Calibration MCG-C 123		Field Calibration on 03-MAR-2017,11:10
	Measured	Calibrated (mV)
Reference 1	100.9	100.0
Reference 2	-99.4	-99.9
Caliper Calibration MML-A 7		Base Calibration on 11-FEB-2017 10:20 Field Calibration on 03-MAR-2017 10:49
Base Calibration		
Reading No	Measured	Calibrator Size (in)
1	14066	5.98
2	17366	7.97
3	20600	9.86
4	24449	11.92
5	0	0.00
6	N/A	N/A
Field Calibration		
	Measured Caliper (in)	Actual Caliper (in)
	7.99	7.97
Caliper Calibration Tolerances MML-A 7		
Short Arm Field Cal.	7.99	7.77 7.97 8.17 in
Micro Normal and Micro Inverse Calibration MML-A 7		Base Calibration on 11-FEB-2017 10:26 Field Check on 03-MAR-2017 10:51
Base Calibration		
Channel	Resistor 1	Resistor 2
Micro Normal	10.1	50.4
Micro Inverse	10.0	50.1
Channel	Base Check (ohm-m)	Field Check (ohm-m)
Micro Normal	76.8	76.8
Micro Inverse	51.0	51.0
Micro Normal & Micro Inverse Calibration Tolerance MML-A 7		
Micro Normal Res. 1	10.1	-5% 10.0 +5% ohm
Micro Inverse Res. 1	10.0	-5% 10.0 +5% ohm
Micro Normal Res. 2	50.4	-5% 50.0 +5% ohm
Micro Inverse Res. 2	50.1	-5% 50.0 +5% ohm
Micro Normal Base Check	76.8	-2% 76.60 +2% ohm-m
Micro Inverse Base Check	51.0	-2% 50.97 +2% ohm-m
Micro Normal Field Check	76.8	-2% 76.8 +2% ohm-m
Micro Inverse Field Check	51.0	-2% 51.0 +2% ohm-m
Micro Normal and Micro Inverse Constants MML-A 7		Last Edited on 03-MAR-2017,20:50
Pad Type	8-12 in Soft Rubber Inflatable 006-9011-159	
Micro Normal K Factor	0.5110	
Micro Inverse K Factor	0.3380	
Standoff Offset	N/A inches	
Neutron Calibration MDN-A.B 66		Base Calibration on 11-FEB-2017,10:45 Field Check on 03-MAR-2017 11:14

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	3031	94	3714	110
Ratio	32.309		33.764	

Field Calibrator at Base

	Calibrated (cps)	
	2092	3032
Ratio	0.690	

Field Check

	Calibrated (cps)	
	2196	3136
Ratio	0.700	

Neutron Calibration Tolerances MDN-A.B 66

Ratio	32.309	
Base Check	0.690	
Field Check	0.700	

Neutron Constants MDN-A.B 66

Last Edited on 03-MAR-2017,20:50

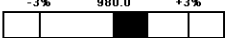
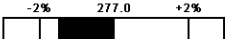
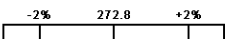
Neutron Source Id	P0204NN	
Neutron Jig Number	NJ5736	
Air Hole Processing	Legacy	
Caliper Source for Processing	Density Caliper	
Stand-off	0.00	inches
Mud Density	1.00	gm/cc
Limestone Sigma	7.10	cu
Sandstone Sigma	4.26	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	None	
Formation Pressure	N/A	kpsi
Temperature Source	Constant Value	
Temperature	68.00	degrees F
Mud Salinity	0.00	kppm
Salinity Correction	Not Applied	
Formation Fluid Salinity Source	None	
Formation Fluid Salinity	N/A	kppm
Barite Mud Correction	Not Applied	

FE Calibration MFE-B.J 352

Base Calibration on 11-FEB-2017 10:10
Field Check on 03-MAR-2017 10:39

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	993.6	126.8
Base Check		272.8
Field Check		272.9

FE Calibration Tolerances MFE-B.J 352

Reference 2	993.6		ohm
Base Check	272.8		ohm-m
Field Check	272.9		ohm-m

FE Constants MFE-B.J 352

Last Edited on 03-MAR-2017,20:50

Running Mode	No Sleeve	
MFE K Factor	0.1268	
Borehole Correction Constants		
Sonde Position	0.5	inches

Hole Size Source	Density Caliper	
Hole Size Constant Value	N/A	inches
Rm Source	Global Value: Temperature Corrected	
Temp. for Rm Corr.	MCG External Temperature	

Sonic Constants MSS-A.A 55

Last Edited on 03-MAR-2017,20:49

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

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
Waveform Discriminator Filter	N/A
Semblance Window Width	N/A micro-sec
Sonic Despiker	N/A

Induction Calibration MAI-A.A 111

Base Calibration on 11-FEB-2017,10:02
Field Check on 03-MAR-2017 10:38

Base Calibration

Test Loop Calibration	Measured		Calibrated (mmho/m)	
Channel	Low	High	Low	High
1	17.6	473.6	9.3	966.2
2	6.4	385.9	7.6	821.4
3	3.2	264.0	5.2	566.0
4	2.1	135.5	2.6	279.2

Array Temperature	23.0	Deg F
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Test Loop Calibration Verified	03-DEC-2016,14:48
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Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1	10.6	3867.8	9.7	3865.8
2	29.4	3524.5	27.5	3522.1
3	28.8	3018.5	27.1	3016.5
4	19.0	2056.6	17.8	2055.0
Deep	17.5	1960.2	16.4	1958.8
Medium	42.9	3973.0	40.5	3970.4
Shallow	43.8	5227.4	41.0	5224.0
Array Temperature	43.0		66.6	Deg F

Induction Calibration Tolerances MAI-A.A 111

Low Conductivity 1	17.6		mmho/m	High Conductivity 1	473.6		mmho/m
Low Conductivity 2	6.4		mmho/m	High Conductivity 2	385.9		mmho/m
Low Conductivity 3	3.2		mmho/m	High Conductivity 3	264.0		mmho/m
Low Conductivity 4	2.1		mmho/m	High Conductivity 4	135.5		mmho/m
Background Vx 1	0.0		mmho/m	Phase Check Loop 1	0.0		%
Background Vx 2	0.0		mmho/m	Phase Check Loop 2	0.0		%
Background Vx 3	0.0		mmho/m	Phase Check Loop 3	0.0		%
Background Vx 4	0.0		mmho/m	Phase Check Loop 4	0.0		%

Induction Constants MAI-A.A 111

Last Edited on 03-MAR-2017,20:49

Induction Model	RtAP-WBM		
Borehole Correction Constants	No		
Tool Centred	No		
Hole Size Source	Density Caliper		
Hole Size Constant Value	N/A	inches	
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	
Rm Source	Global Value: Temperature Corrected		
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	
Symmetrised Receiver Gains			
Receiver 1	1.00		
Receiver 2	1.00		
Receiver 3	1.00		
Receiver 4	1.00		

Apparent Porosity and Water Saturation Constants

Archie Constant (A)	1.00
Cementation Exponent (M)	2.00
Saturation Exponent (N)	2.00

Saturation Exponent (n)	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 111			Field Calibration on 13-JAN-2017,11:28
	Measured	Calibrated(Deg F)	
Lower	10.00	10.00	
Upper	100.00	100.00	

High Resolution Temperature Constants MAI-A.A 111		Last Edited on 26-JUN-2014,15:06
Pre-filter Length	11	

Photo Density Calibration MPD-B 104				Base Calibration on 11-FEB-2017 11:11 Field Check on 03-MAR-2017 10:47	
Density Calibration					
Base Calibration		Measured		Calibrated (sdu)	
		Near	Far	Near	Far
	Background	1135	1314		
	Reference 1	49907	23891	59556	30836
	Reference 2	20183	2416	24941	2541
Field Check at Base					
		1135.4	1313.9		
Field Check					
		1126.0	1310.0		
PE Calibration					
Base Calibration		Measured		Calibrated	
	WS	WH	Ratio	Ratio	
	Background	206	1011		
	Reference 1	21020	49728	0.427	0.371
	Reference 2	5897	20051	0.299	0.272
Field Check at Base					
		205.9	1011.5		
Field Check					
		207.5	1002.6		

Photo Density Calibration Tolerances MPD-B 104					
Near Density Ratio	2.56	-5% 2.52 +5%	Far Density Ratio	20.48	-5% 21.00 +5%
PE Calibration	0.120	0.089 0.110 0.131			
Near Den. Field Check	1126.0	-3% 1135.4 +3%	Far Den. Field Check	1310.0	-3% 1313.9 +3%
PE WS Field Check	207.5	-6% 205.9 +6%	PE WH Field Check	1002.6	-6% 1011.5 +6%

Density Constants MPD-B 104		Last Edited on 03-MAR-2017,20:50	
Density Source Id	P50557B		
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	1.09	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		
Precision Enhanced Density Processing	Not Applied		
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

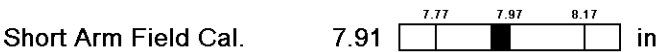
Caliper Calibration MPD-B 104

Base Calibration on 11-FEB-2017 10:55
Field Calibration on 03-MAR-2017 10:42

Base Calibration		
Reading No	Measured	Calibrator Size (in)
1	14696	3.99
2	23744	5.98
3	32402	7.97
4	40592	9.86
5	49680	11.92
6	N/A	N/A

Field Calibration		
	Measured Caliper (in)	Actual Caliper (in)
	7.91	7.97

Caliper Calibration Tolerances MPD-B 104



DOWNHOLE EQUIPMENT

C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1-36\McCoy Reed Trust 'A' #1-36_002.dta

Cablehead, 11 pin
 CBH-C 0 LG: 2.40 ft WT: 24.3 lb OD: 2.244 in

Compact Comms Gamma
 MCG-C 123 LG: 8.70 ft WT: 63.9 lb OD: 2.244 in

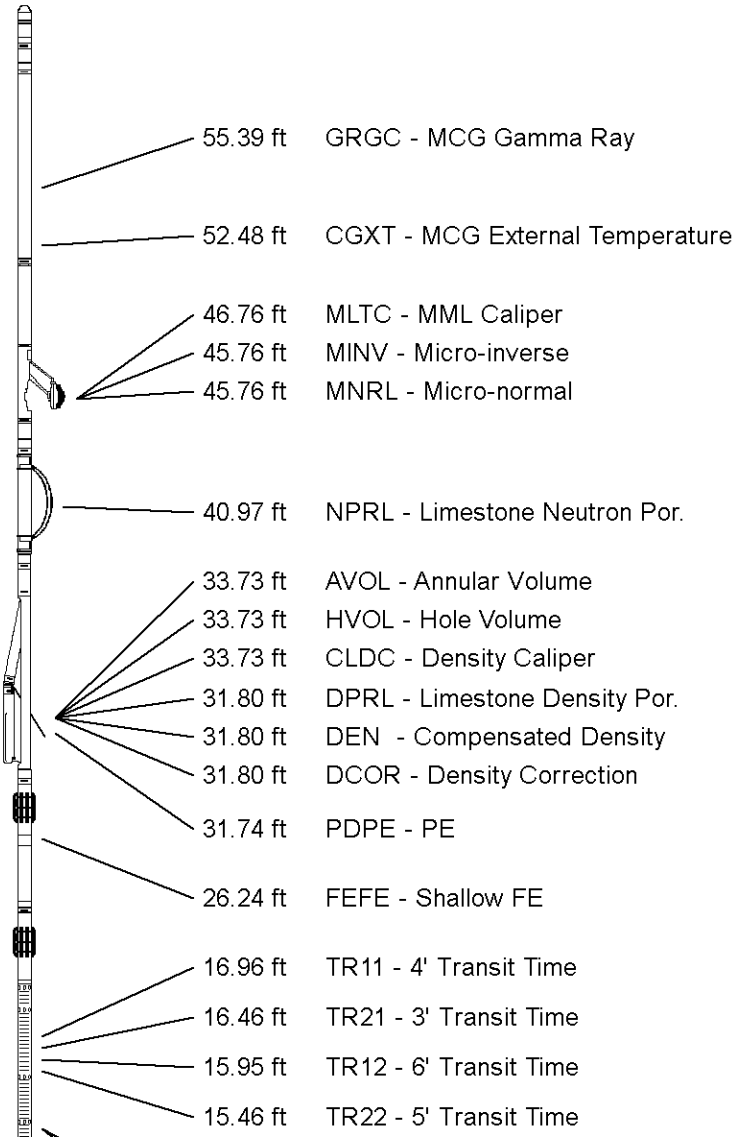
Compact Micro-log
 MML-A 7 LG: 7.97 ft WT: 81.6 lb OD: 2.244 in

Compact Neutron
 MDN-A.B 66 LG: 5.04 ft WT: 50.7 lb OD: 2.244 in

Compact Density/Caliper
 MPD-B 104 LG: 9.59 ft WT: 90.4 lb OD: 2.449 in

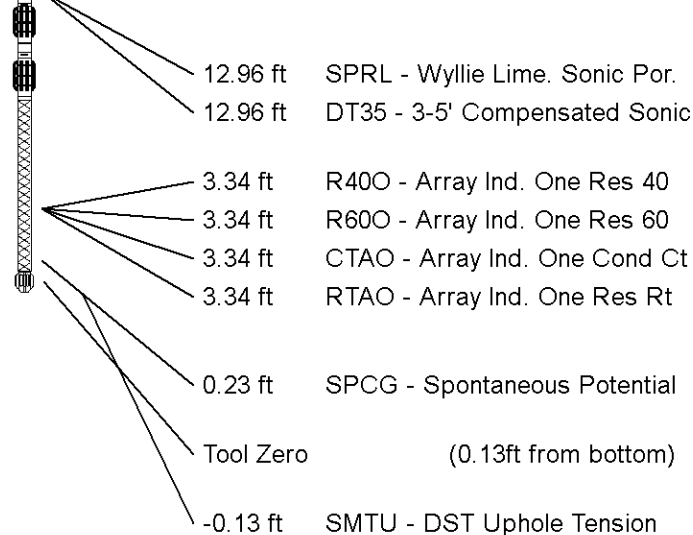
Compact Focussed Electric
 MFE-B.J 352 LG: 6.05 ft WT: 48.5 lb OD: 2.244 in

Compact Sonic
 MSS-A.A 55 LG: 12.52 ft WT: 72.8 lb OD: 2.244 in



Compact Induction
MAI-A.A 111 LG: 10.81 ft WT: 48.5 lb OD: 2.244 in

Total Length: 63.07 ft Weight: 480.6 lb



All measurements relative to tool zero.

COMPANY McCOY PETROLEUM CORPORATION
WELL REED TRUST "A" #1-36
FIELD WILDCAT
PROVINCE/COUNTY GRAY
COUNTRY/STATE U.S.A. / KANSAS

Elevation Kelly Bushing	2780	feet	First Reading	5498.00	feet
Elevation Drill Floor	2778	feet	Depth Driller	5500.00	feet
Elevation Ground Level	2769	feet	Depth Logger	5501.00	feet

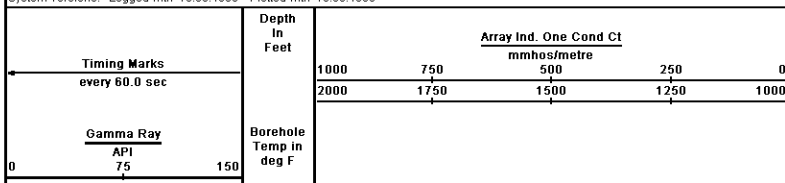


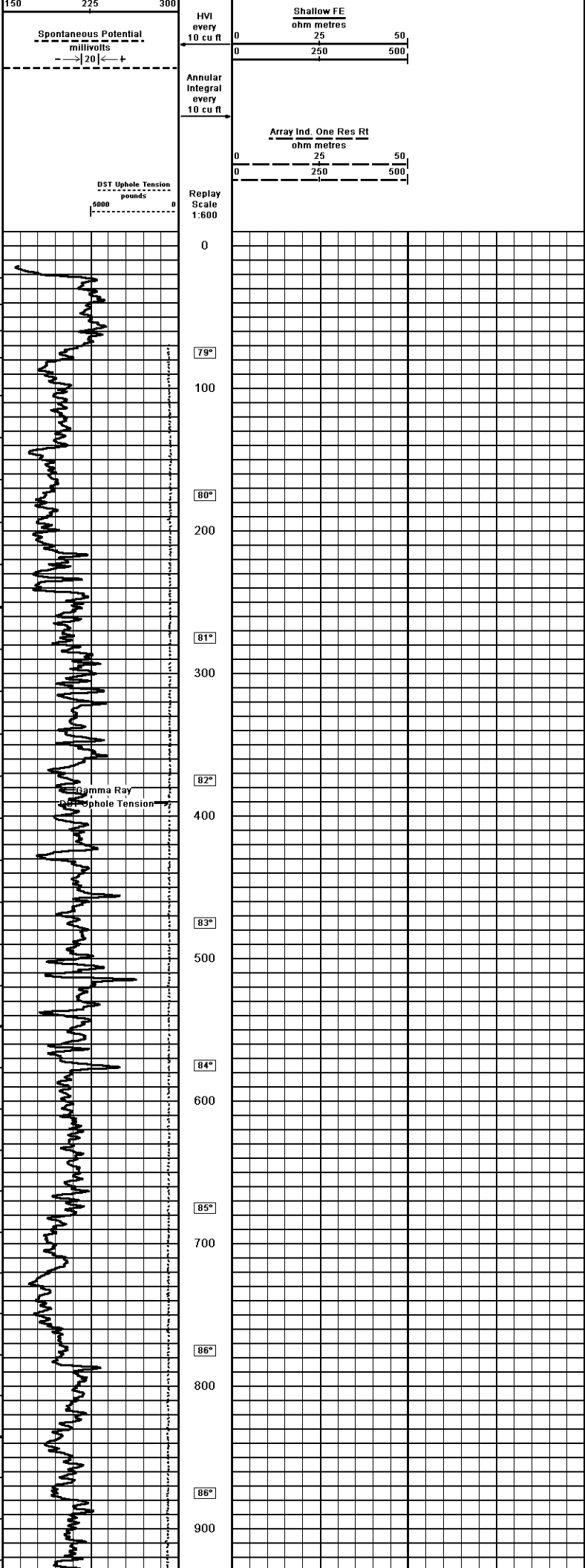
ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG

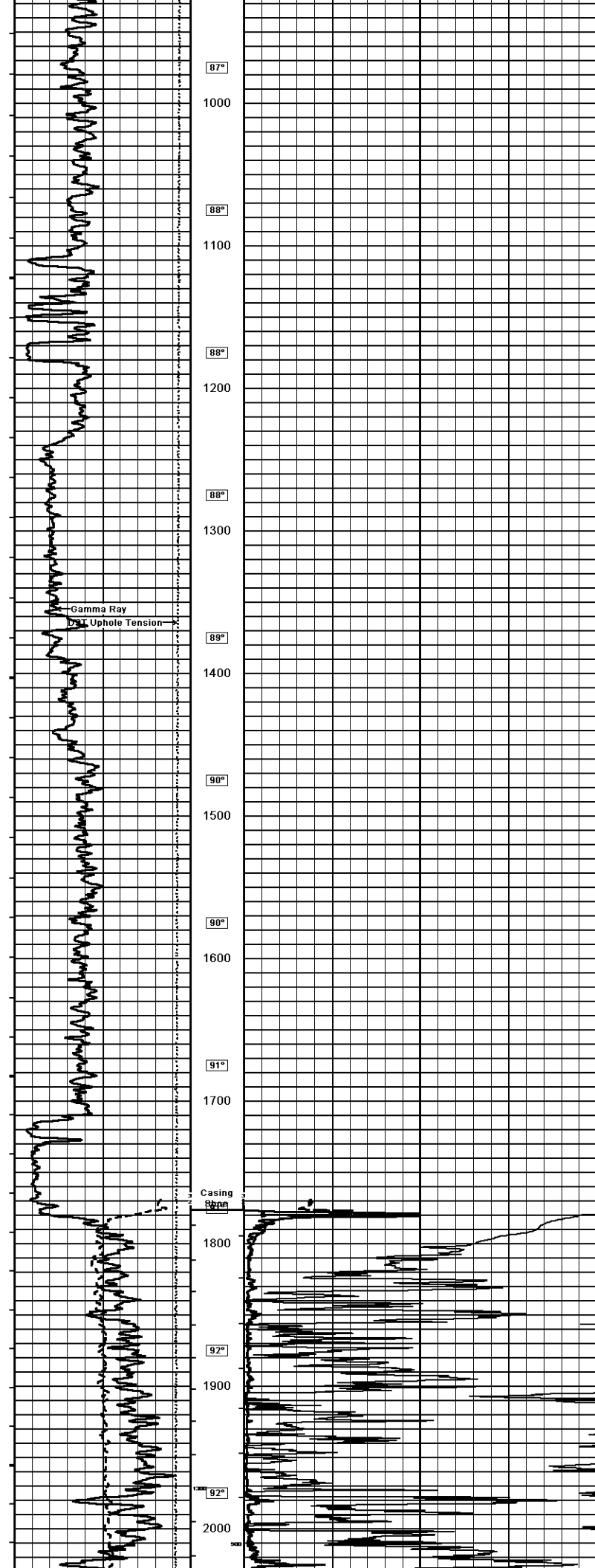
Weatherford®

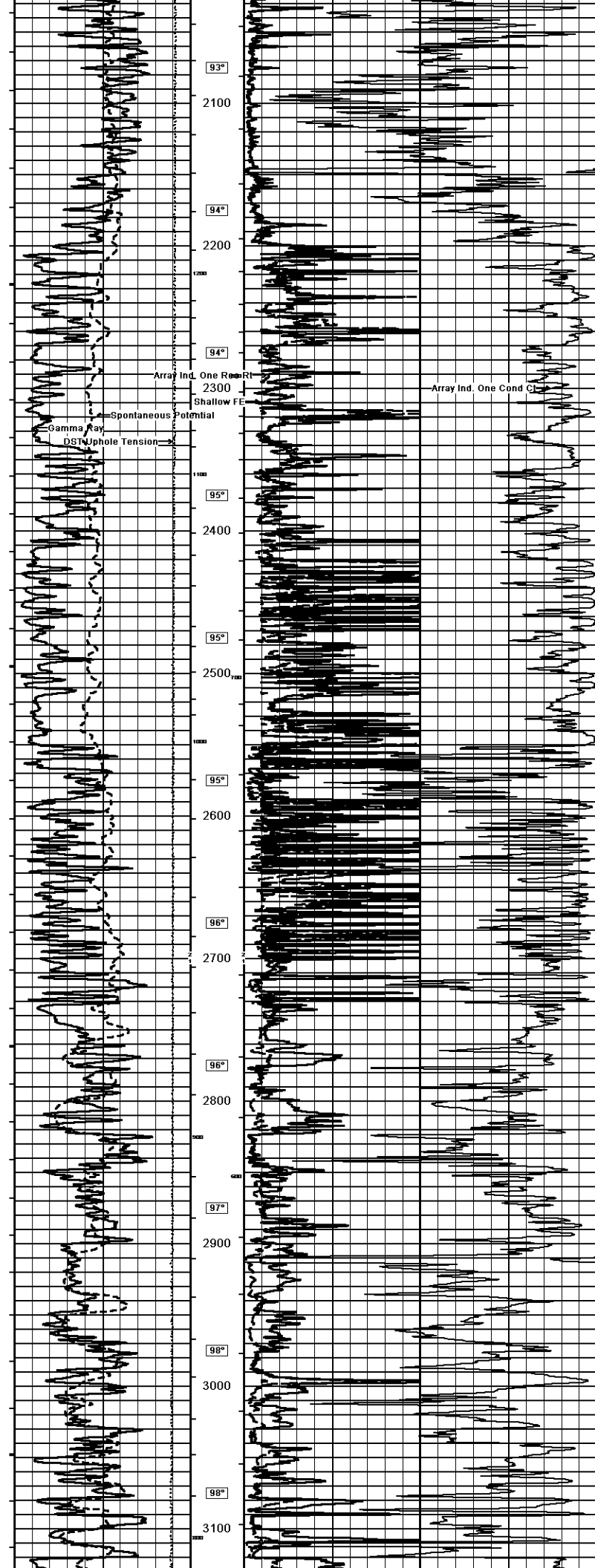
Weatherford		ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG	
COMPANY	McCOY PETROLEUM CORPORATION	WELL	REED TRUST "A" #1-36
FIELD	WILDCAT	PROVINCE/COUNTY	GRAY
COUNTRY/STATE	U.S.A. / KANSAS	LOCATION	660' ENL & 660' FEL
SEC. 36	TWP. 28S	RGE. 23W	Township
Latitude	37.57424	Longitude	-94.83004
Altitude	15069.2068	MSL	
Permanent Datum G.L. Elevation	2769 feet	Log Measured From	Kel, 11.00 feet above Permanent Datum
Drilling Measured From	KB	End of Log	2780.00
Run Number	ONE	Service Order	4558-1757/0542
Depth Driller	5500.00	feet	
Depth Logger	5501.00	feet	
First Reading	5498.00	feet	
Last Reading	1776.00	feet	
Casing Driller	1776.00	feet	
Casing Logger	1776.00	feet	
BH Size	7.875	inches	
Hole Fluid Type	CHEMICAL	Density/Viscosity	9.05 lb/cu ft
PH/F	10.00	CP	54.00
Flow Rate	10.00	gpm	8.00
Sample Source	0.99 @ 75.0	ohm-m	
Rm @ Measured Temp	0.79 @ 75.0	ohm-m	
Rm @ Measured Temp	1.19 @ 75.0	ohm-m	
Source Rm / Rmc	CALC	ohm-m	
Rm @ BHT	0.65 @ 15.0	ohm-m	
Time Since Circulation	5 HOURS	deg F	
Max Recorded Temp	115.00	deg F	
Equipment / Base	13006	LIB	
Recorded By	ADAM SILL		
Witnessed By	ZACH WIELE		

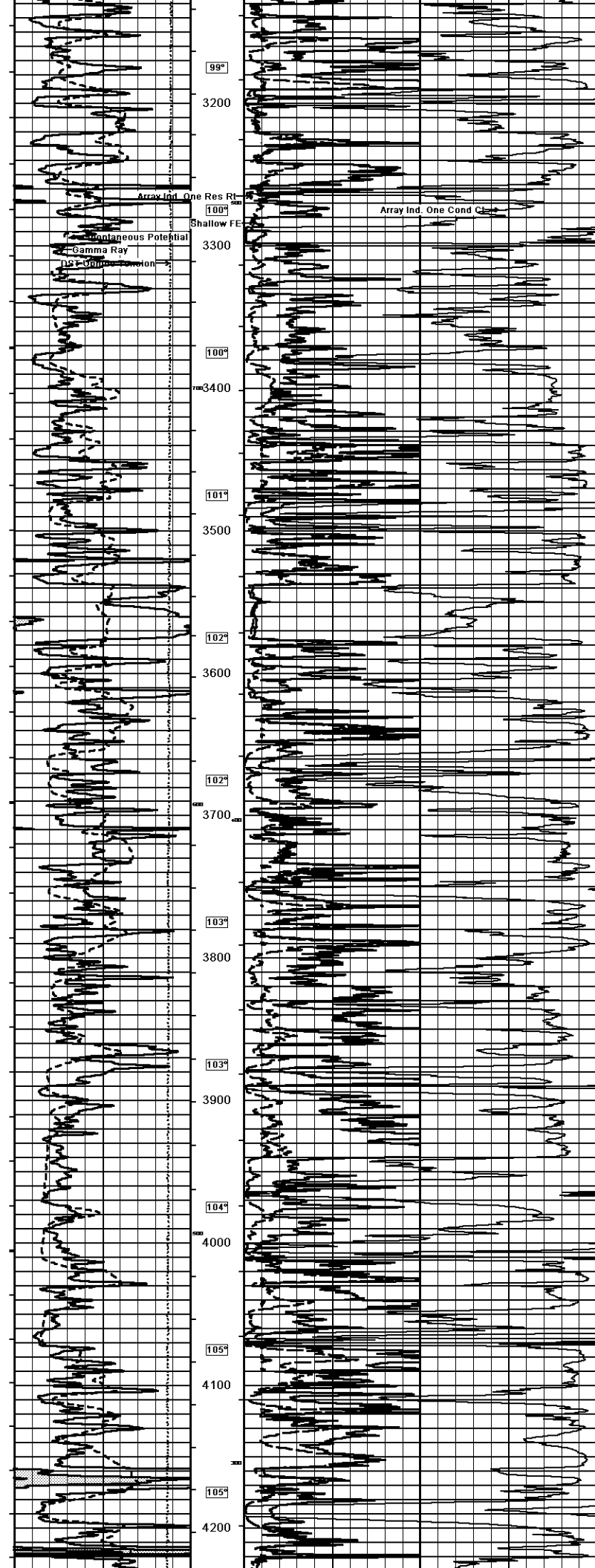
1 INCH MAIN
Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 04-MAR-2017 07:42
Filename: C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1-36\McCoy Reed Trust 'A' #1-36_003.dta
Recorded on 03-MAR-2017 23:29
System Versions: Logged with 16.05.4955 Plotted with 16.05.4955

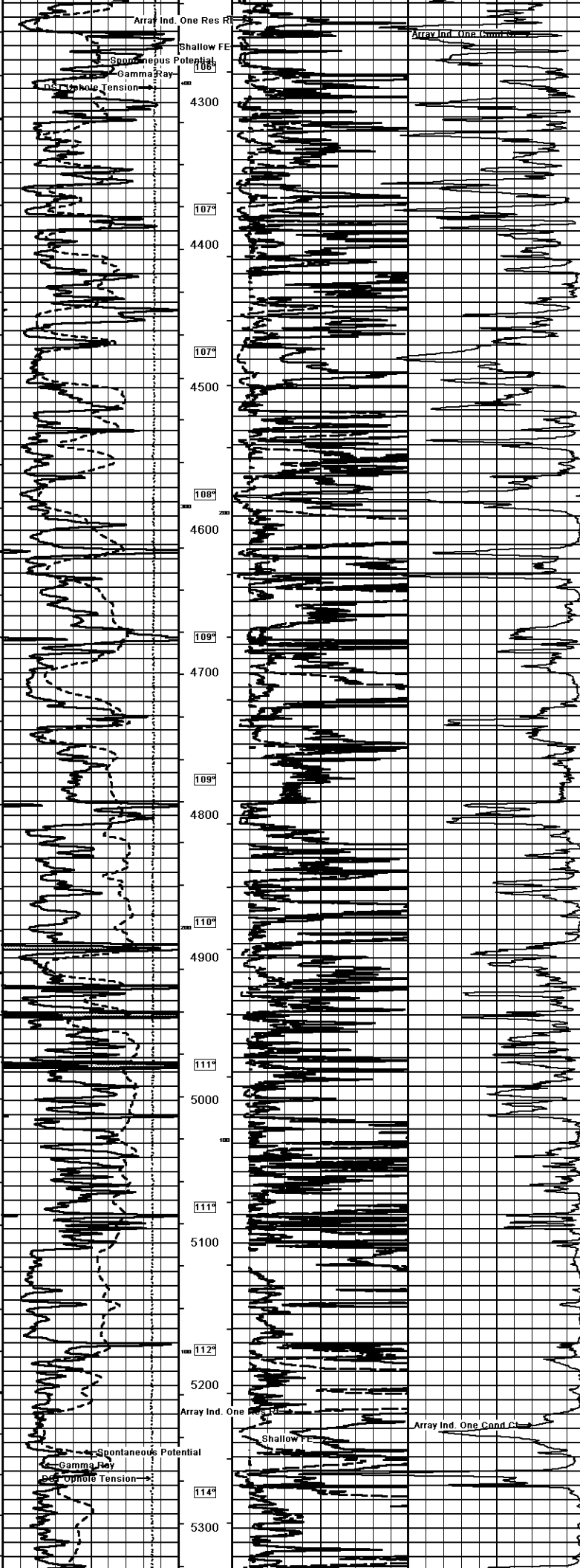


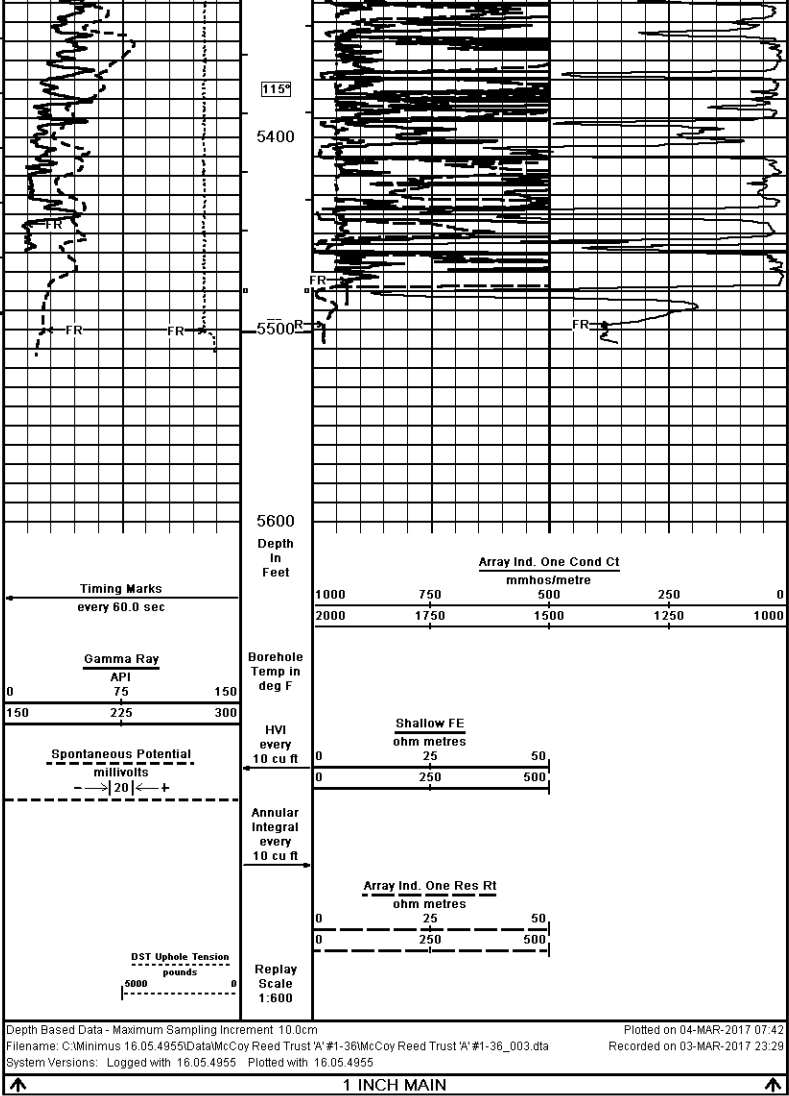












COMPANY	McCOY PETROLEUM CORPORATION			
WELL	REED TRUST "A" #1-36			
FIELD	WILDCAT			
PROVINCE/COUNTY	GRAY			
COUNTRY/STATE	U.S.A. / KANSAS			
Elevation Kelly Bushing	2780	feet	First Reading	5498.00 feet
Elevation Drill Floor	2778	feet	Depth Driller	5500.00 feet
Elevation Ground Level	2769	feet	Depth Logger	5501.00 feet
ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG				