



Weatherford

ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG

GRAND MESA OPERATING COMPANY

G & M # 1-25

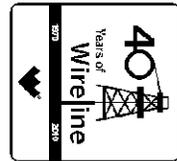
WILDCAT

LOGAN

U.S.A. / KANSAS

1050' FNL & 1290' FWL

SE SE NW NW



SEC TWP RGE
25 12S 32W
API Number 15-109-21074
Permit Number

Other Services
MPD/MDN
MML

Permanent Datum G.L., Elevation 3004 feet
Log Measured From KB
Drilling Measured From K.B.

Elevations: feet
KB 3009.00
DF 3007.00
GL 3004.00

Date	15-FEB-2012		
Run Number	ONE		
Depth Driller	4710.00	feet	
Depth Logger	4709.00	feet	
First Reading	4706.00	feet	
Last Reading	220.00	feet	
Casing Driller	224.00	feet	
Casing Logger	220.00	feet	
Bit Size	7.875	inches	
Hole Fluid Type	CHEMICAL		
Density / Viscosity	9.30 lb/USg	53.00 CP	
PH / Fluid Loss	10.50	6.40 ml/30Min	
Sample Source	FLOWLINE		
Rm @ Measured Temp	1.50 @ 85.0	ohm-m	
Rmf @ Measured Temp	1.20 @ 85.0	ohm-m	
Rmc @ Measured Temp	1.80 @ 85.0	ohm-m	
Source Rmf / Rmc	CALC	CALC	
Rm @ BHT	1.17 @ 110.0	ohm-m	
Time Since Circulation	5 HOURS		
Max Recorded Temp	110.00	deg F	
Equipment Name	COMPACT		
Equipment / Base	13096	LIB	
Recorded By	A. GIAMBALVO		
Witnessed By	BOB SCHREIBER		
S.O. / JOB #	3534703		LB12-033

BOREHOLE RECORD

Last Edited: 15-FEB-2012 20:20

Bit Size inches	Depth From feet	Depth To feet
7.875	220.00	4709.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	5.00	220.00	24.00

REMARKS

Tools Used: MPD, MCG, MDN, MFE, MAI, MML.
 Hardware: MPD: 8 inch profile plate used. MAI and MFE: 0.5 Inch standoffs used. MDN: Dual Bowspring used.
 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.
 Annular volume with 5.5 inch production casing = 212 cu. ft
 Service order #3534703
 Rig: Murfin # 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.

2 INCH MAIN

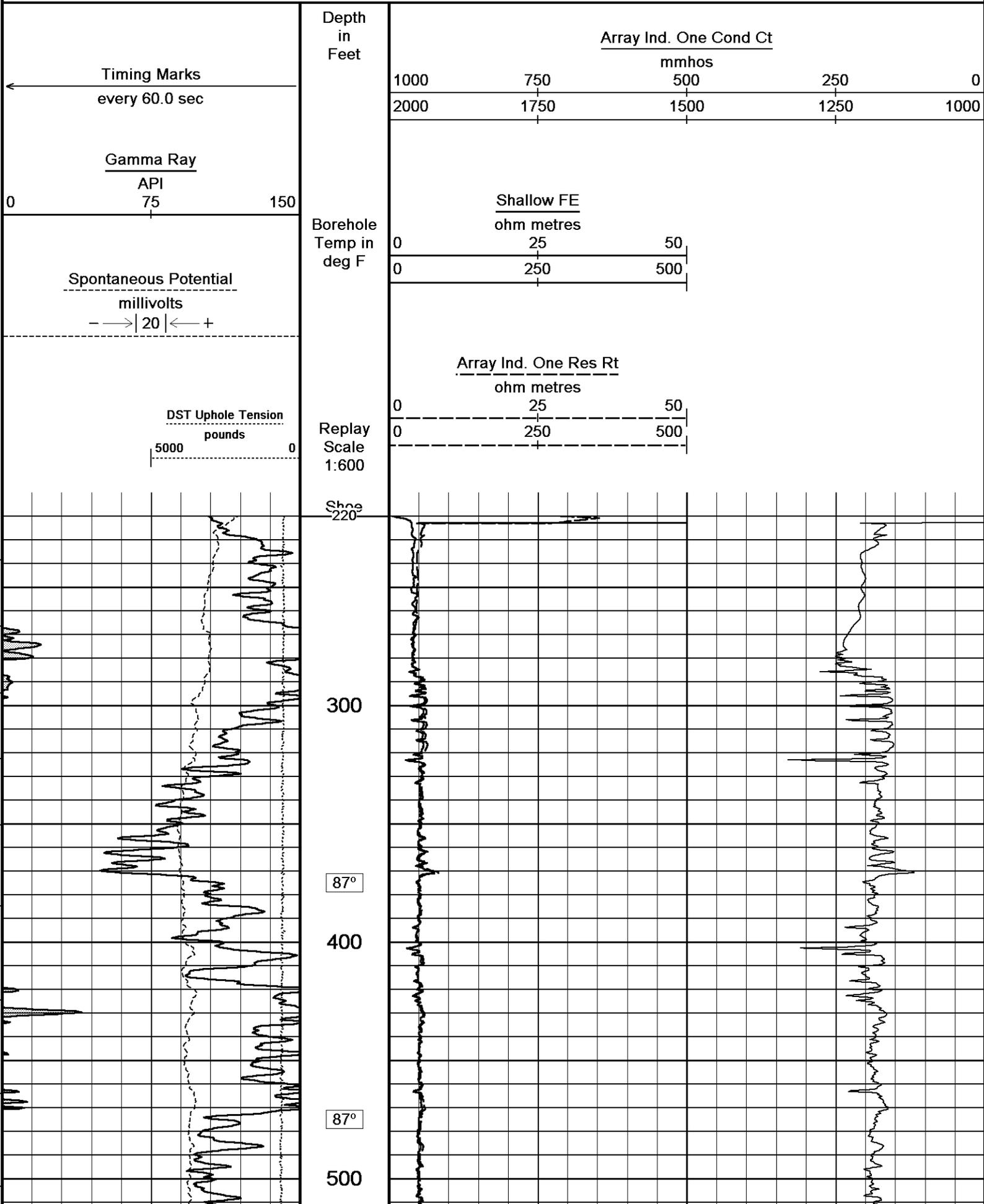
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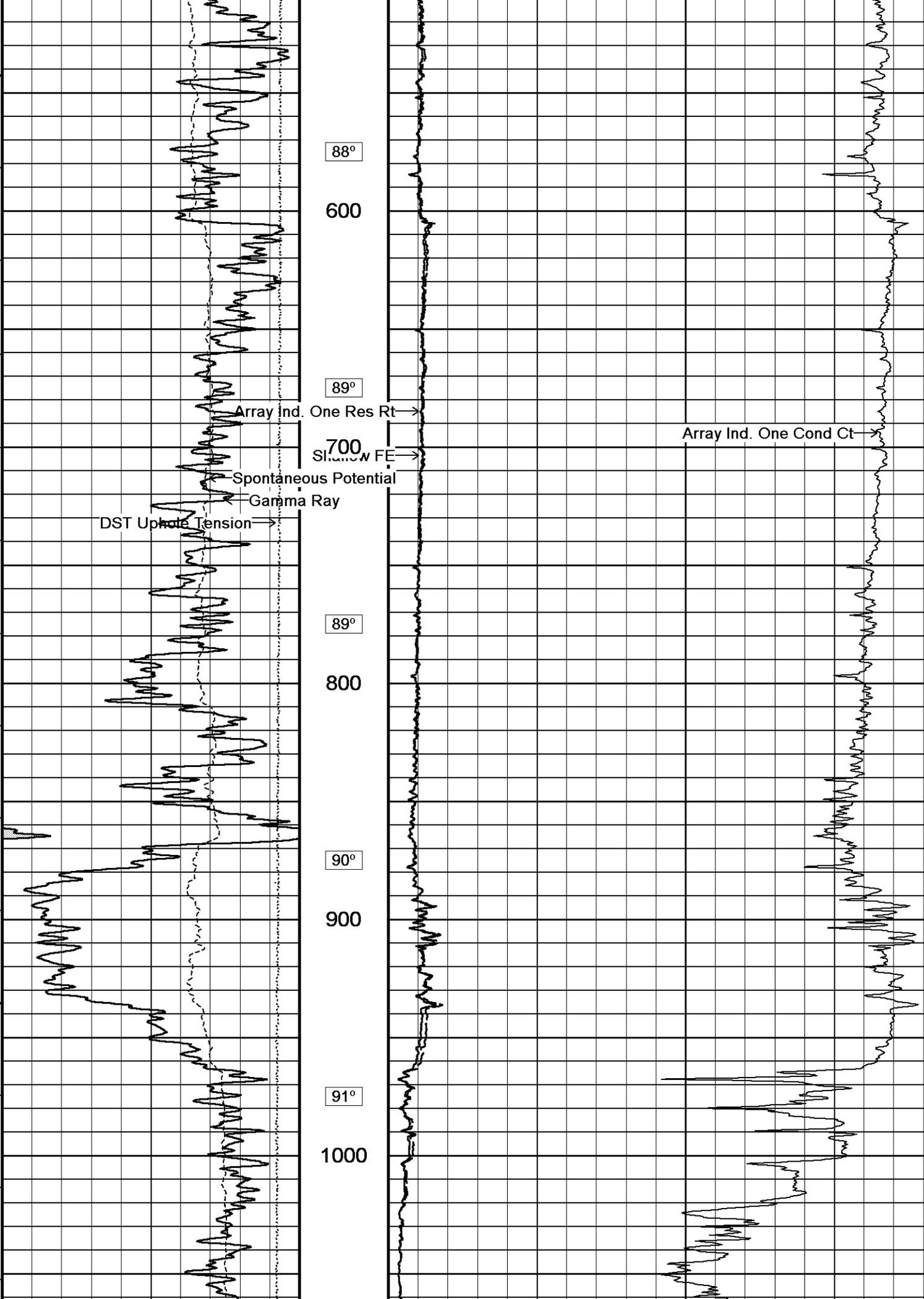
Plotted on 29-FEB-2012 07:25

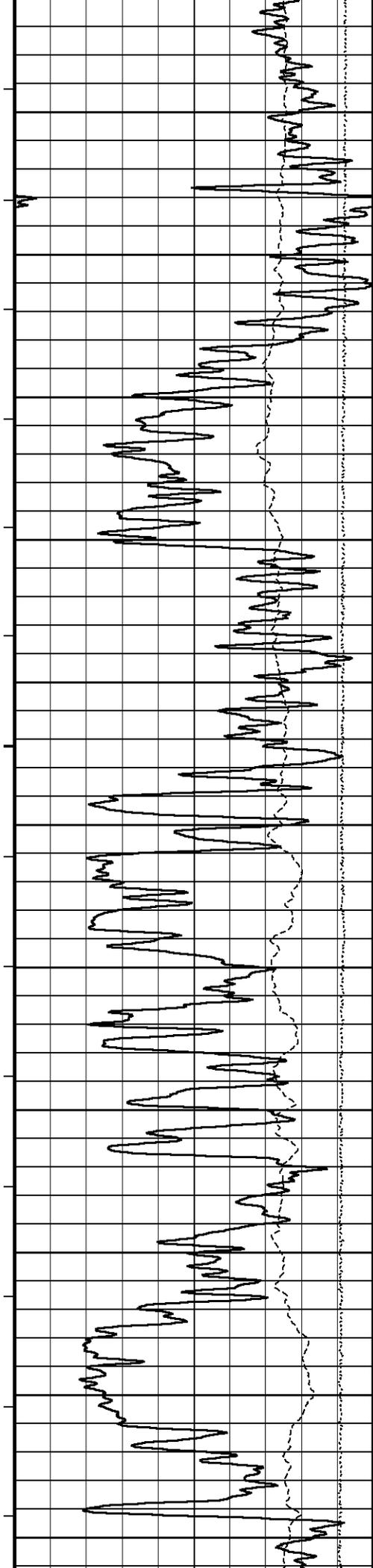
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Recorded on 15-FEB-2012 18:05

System Versions: Logged with 11.03.4044 Plotted with 12.01.3513







92°

1100

92°

1200

93°

1300

93°

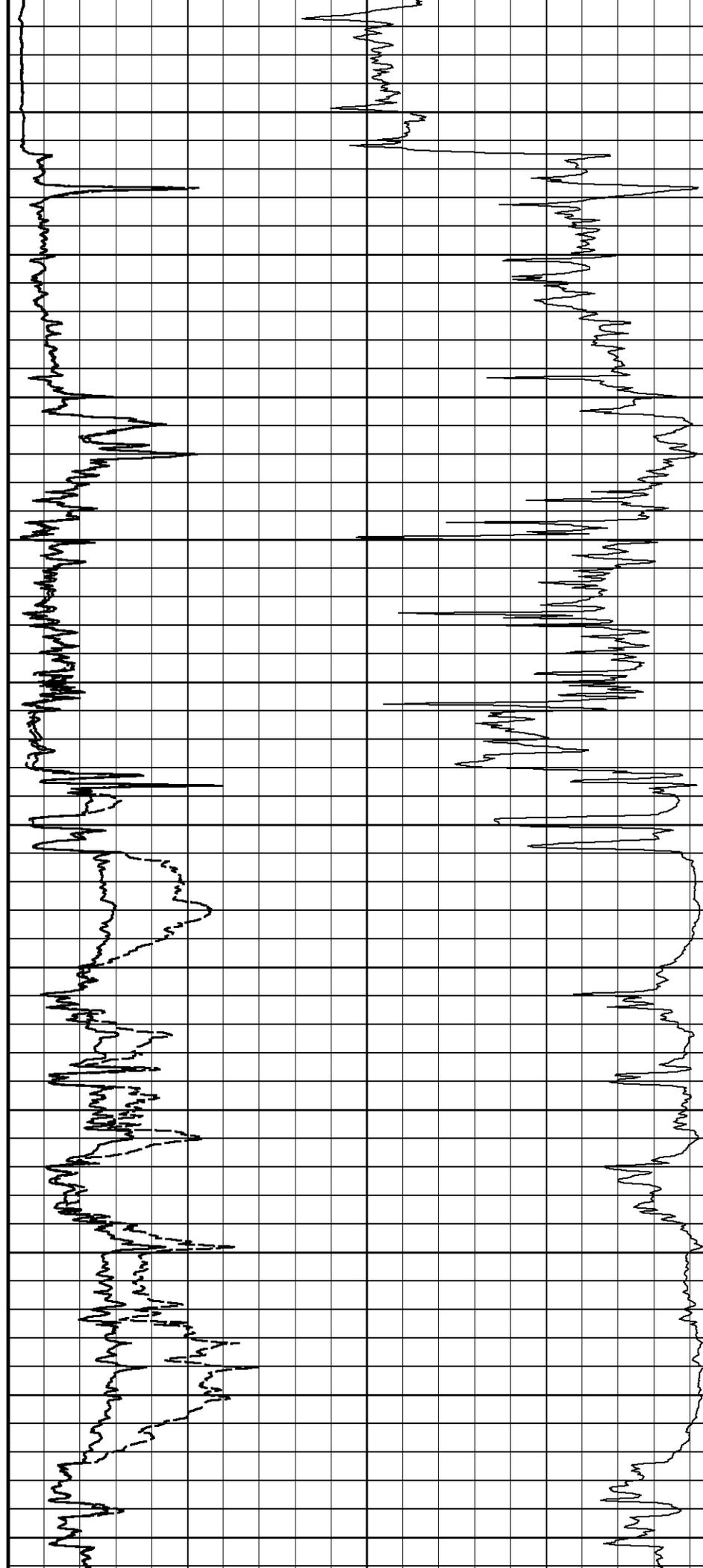
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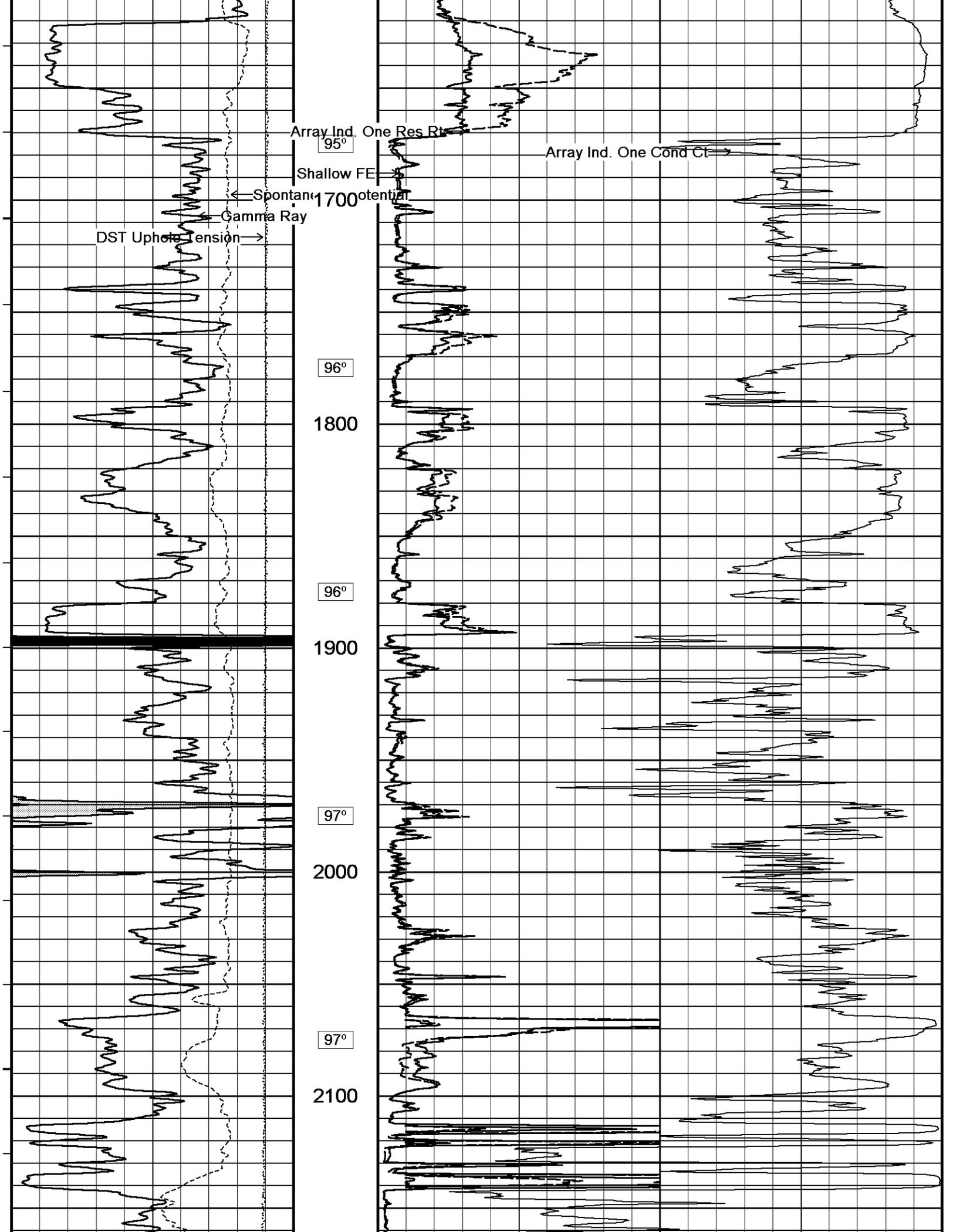
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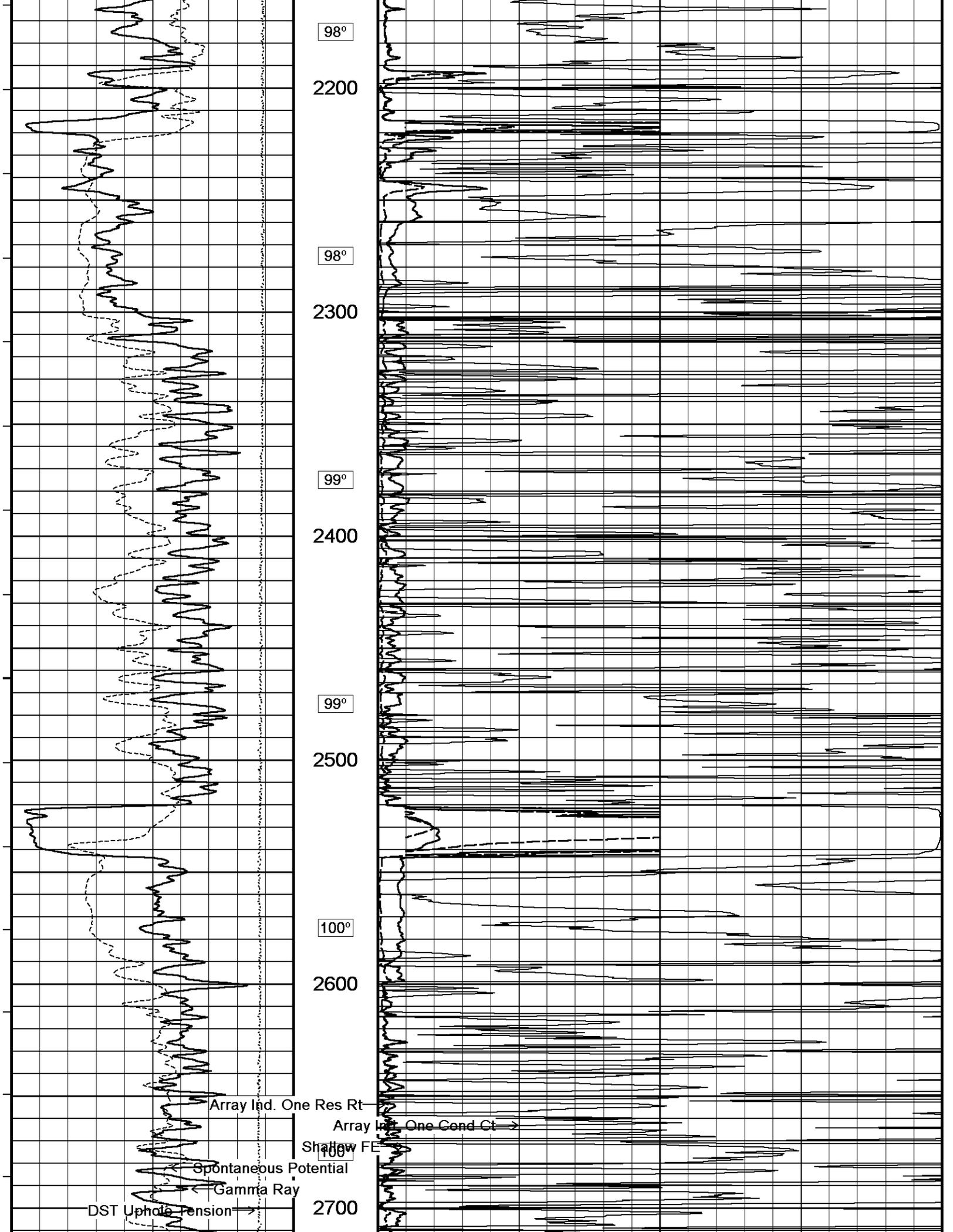
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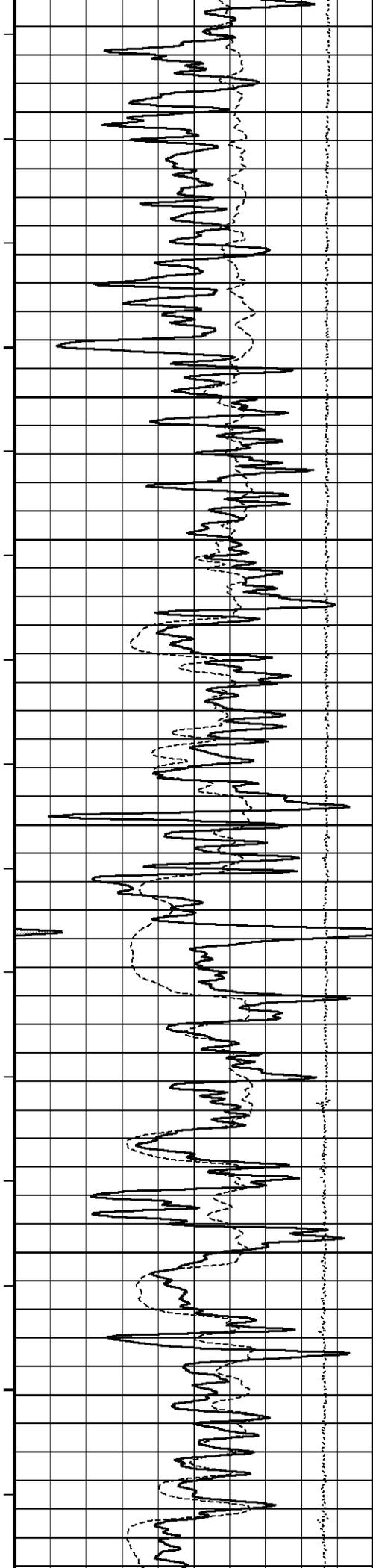
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1600









101°

2800

101°

2900

102°

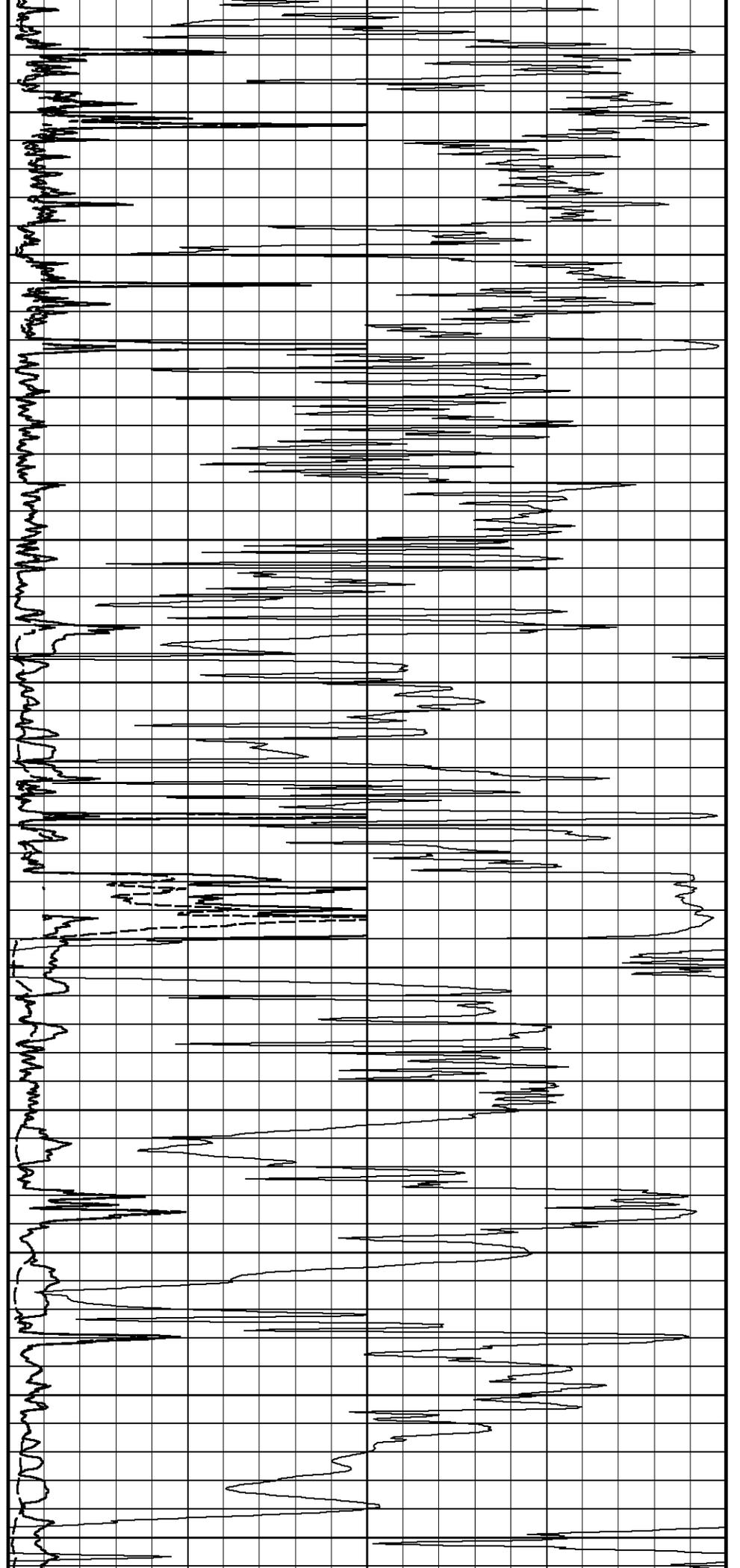
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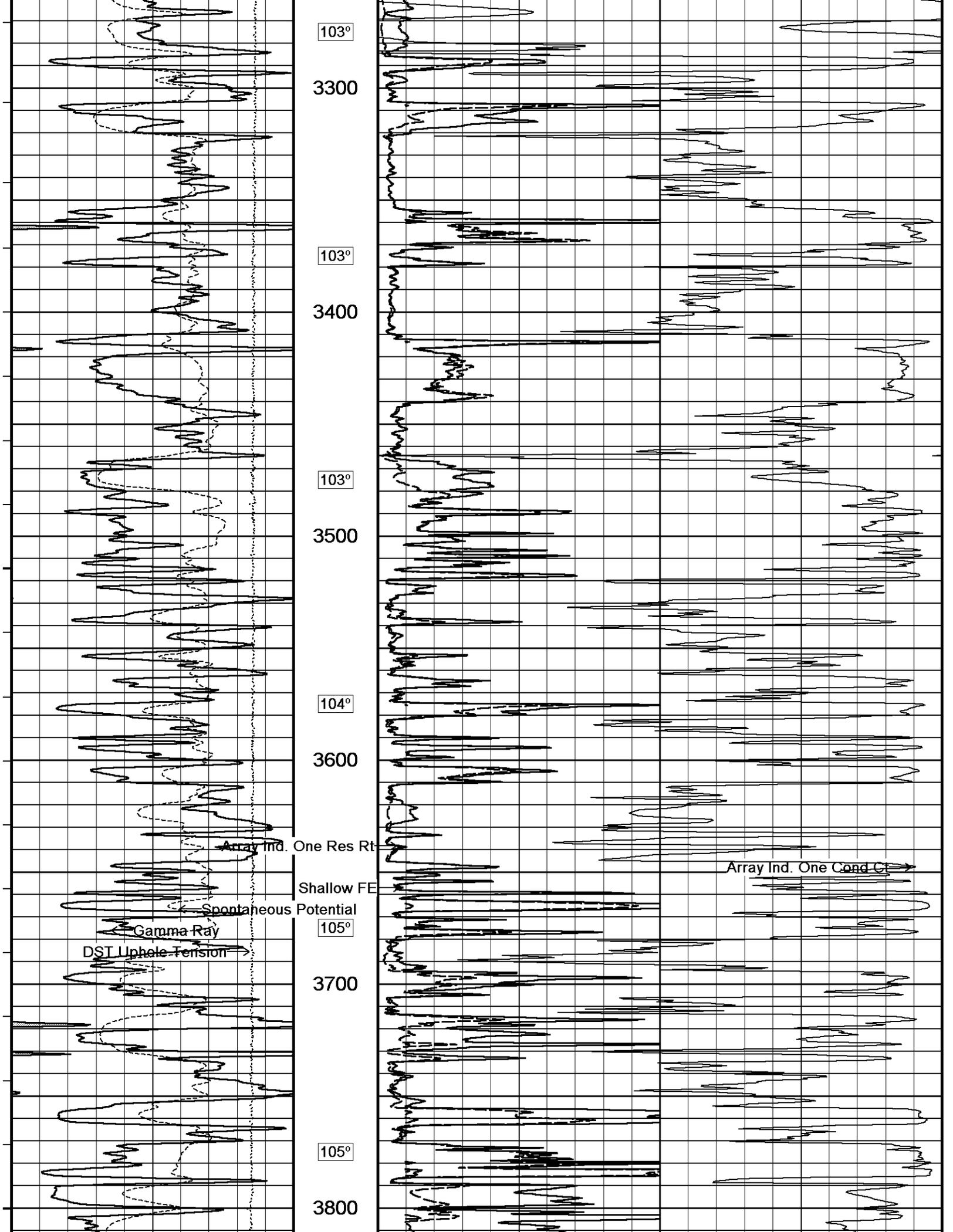
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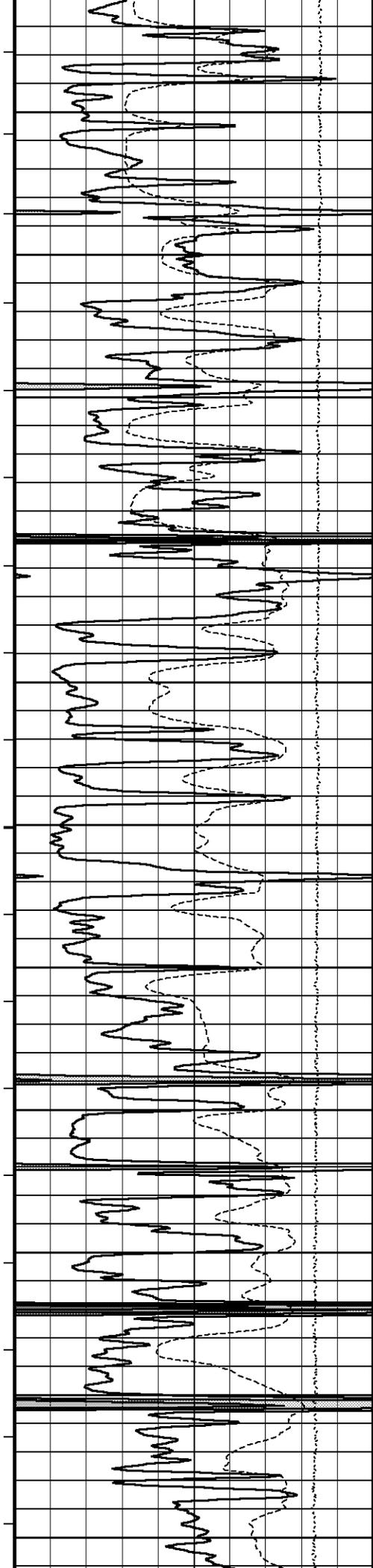
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102°

3200







106°

3900

106°

4000

106°

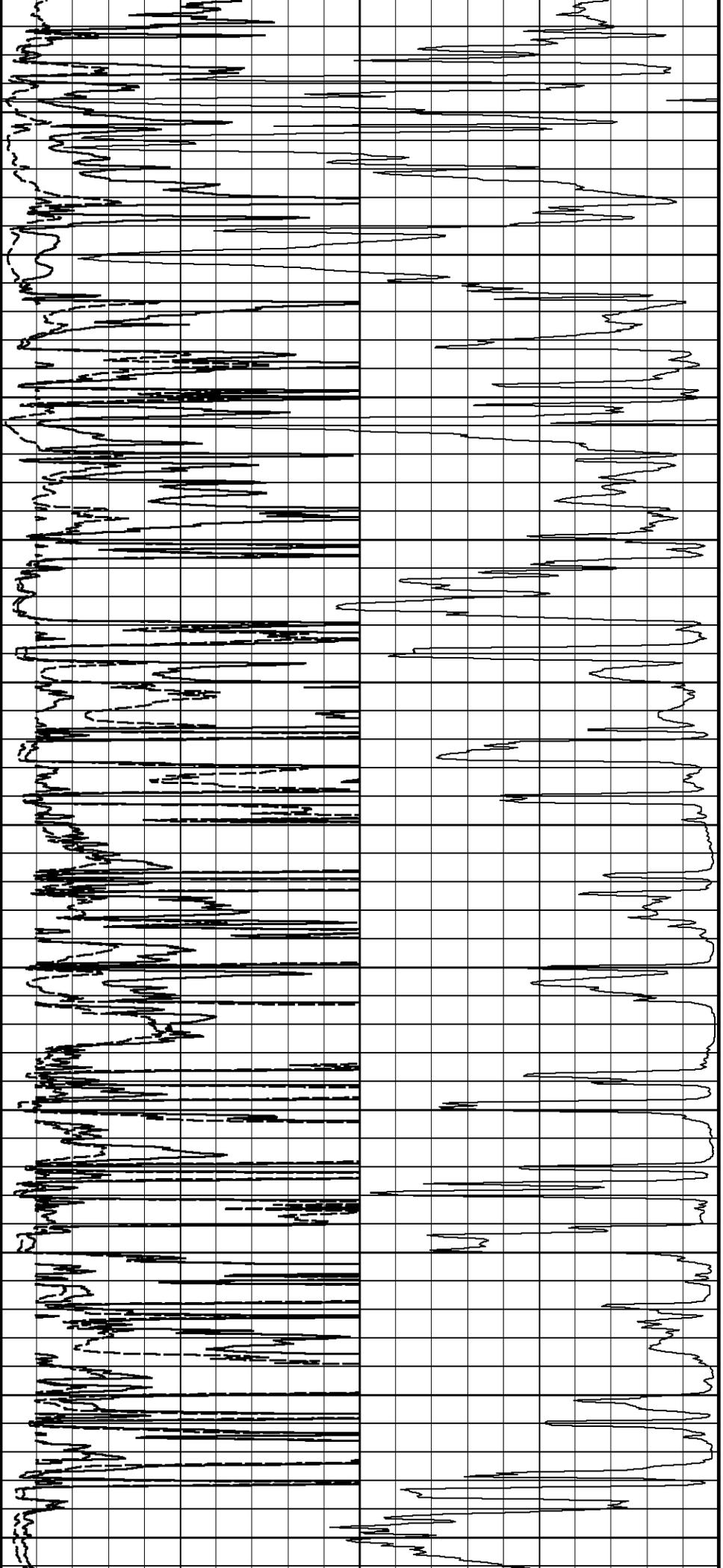
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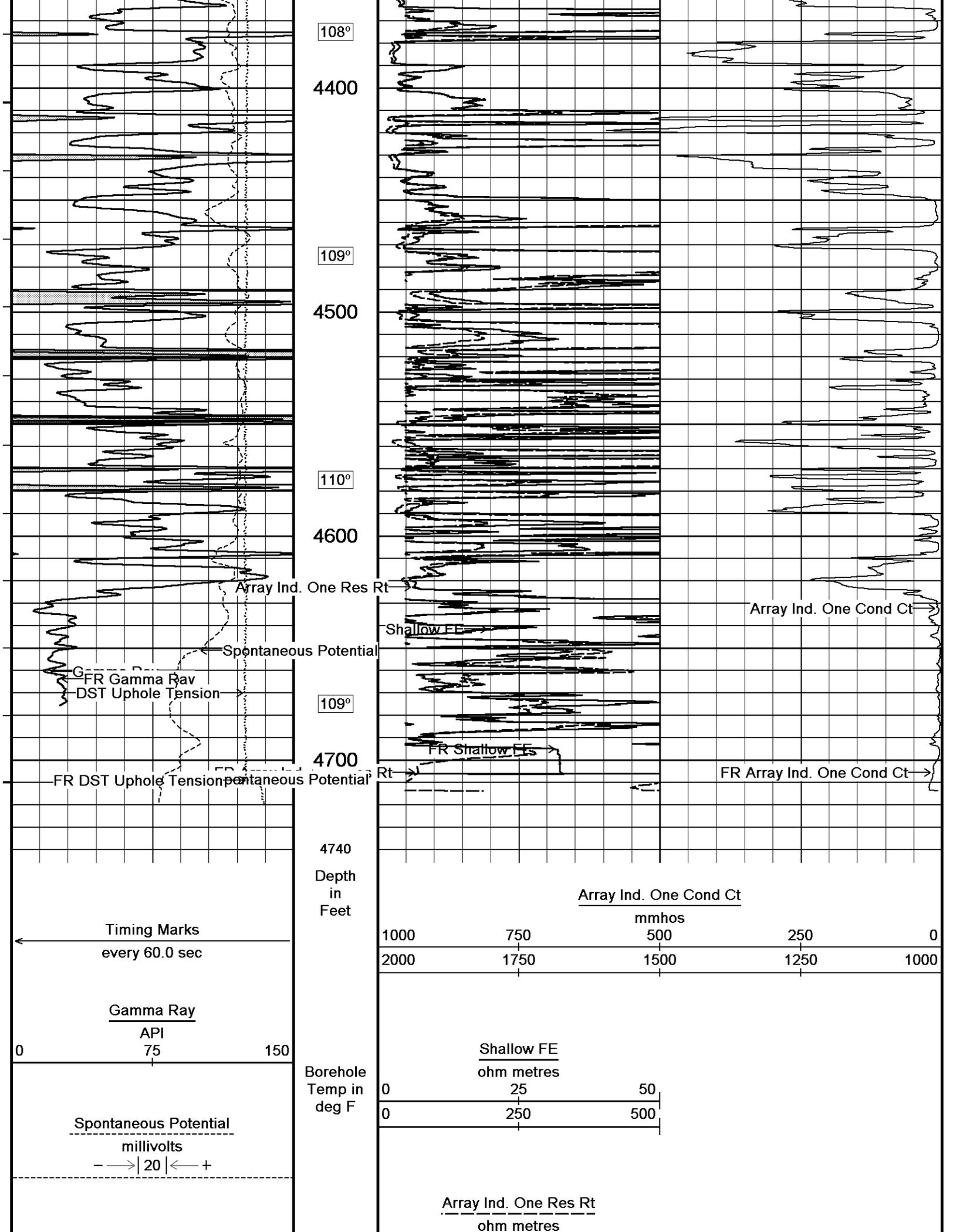
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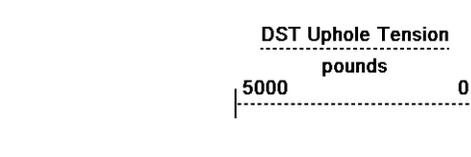
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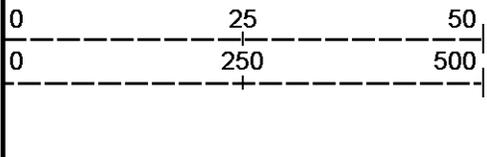
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Replay
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1:600

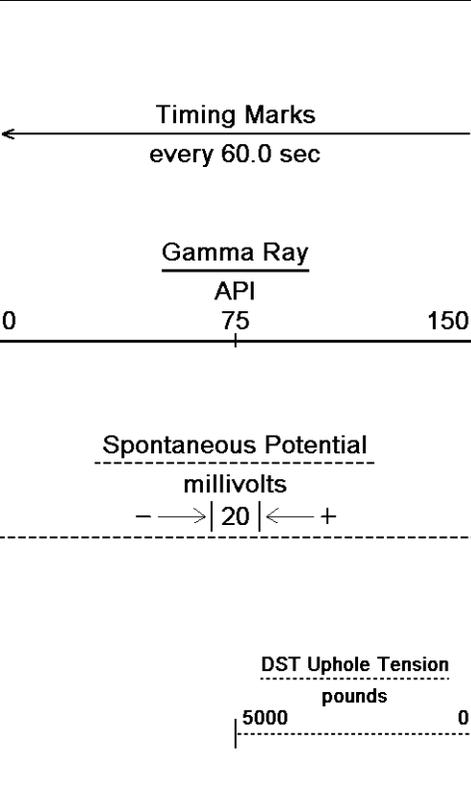


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 Recorded on 15-FEB-2012 18:05
 System Versions: Logged with 11.03.4044 Plotted with 12.01.3513

↑ 2 INCH MAIN ↑

↓ 5 INCH MAIN ↓

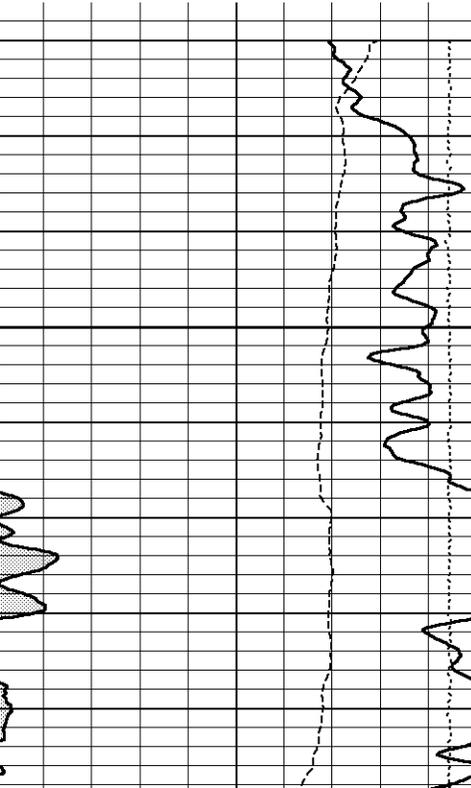
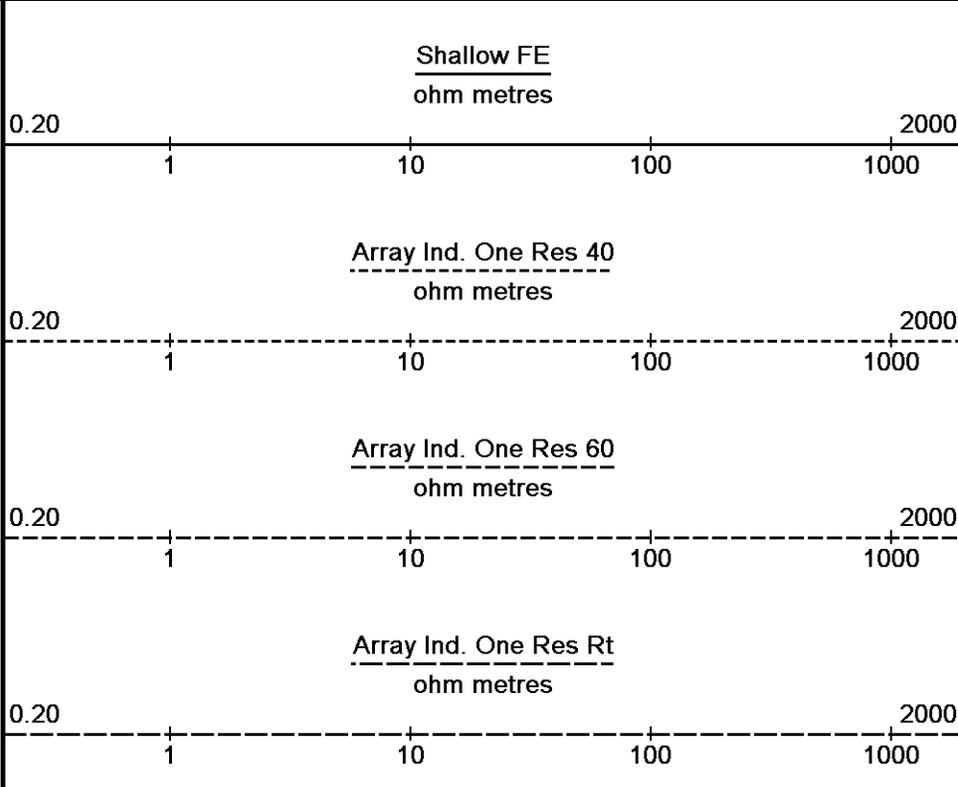
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Depth
in
Feet

Borehole
Temp in
deg F

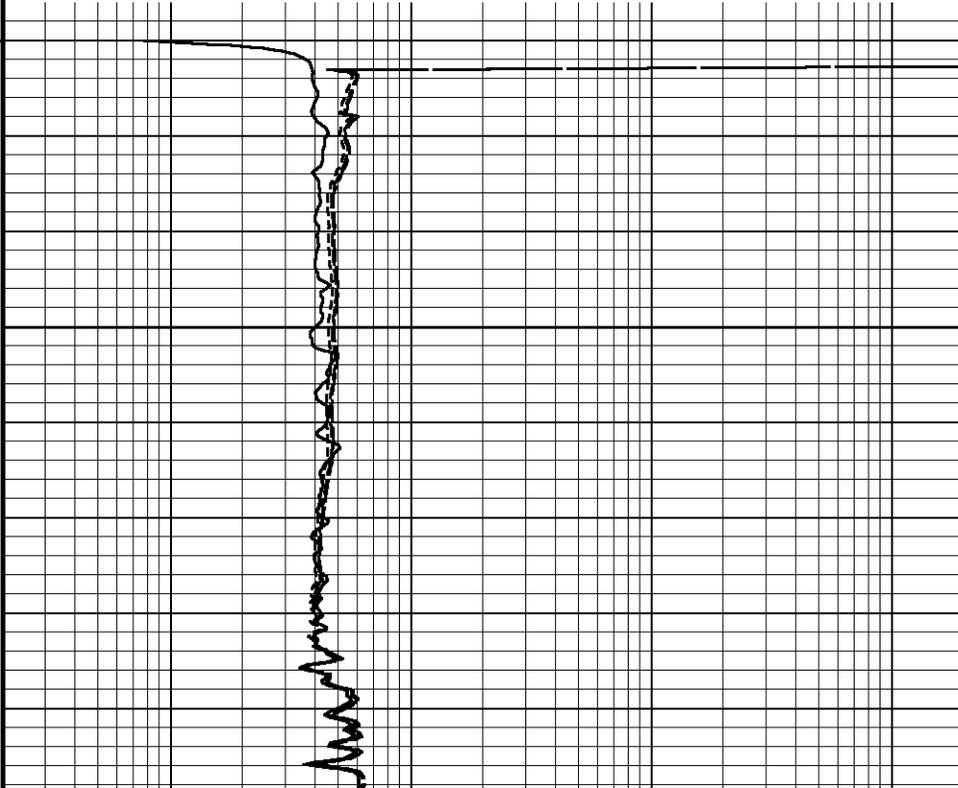
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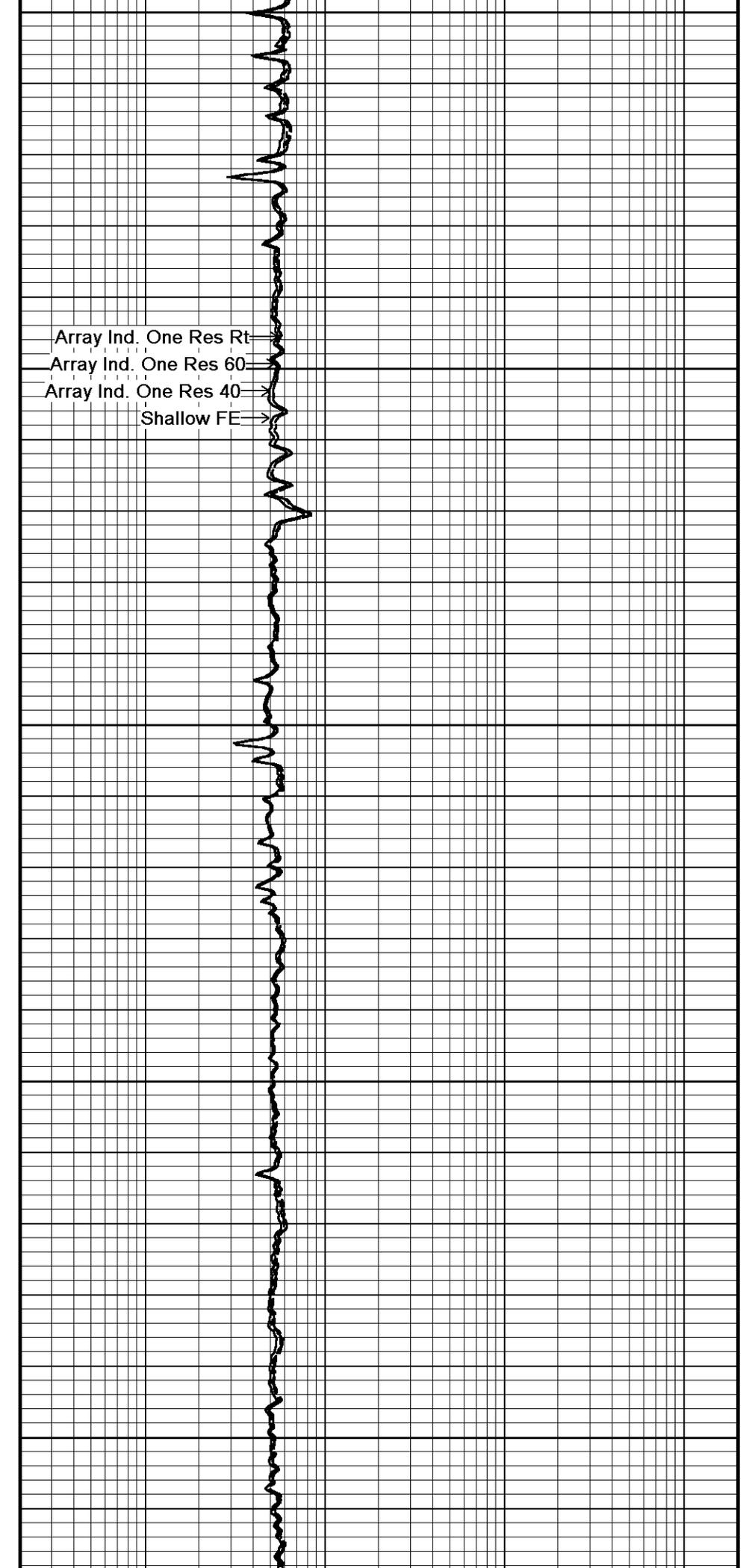
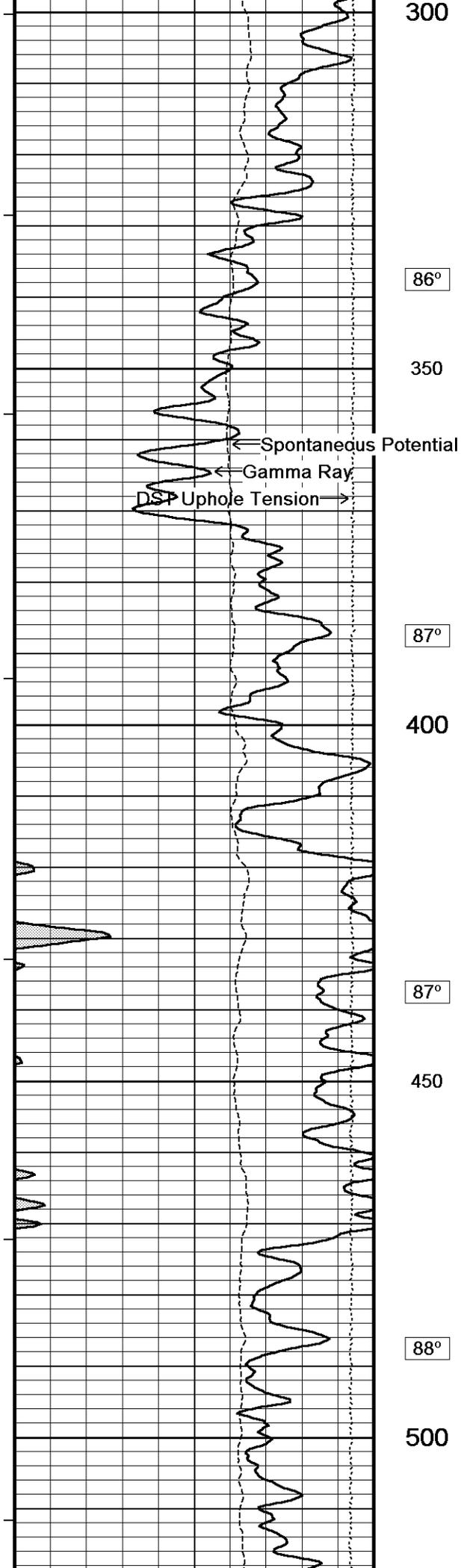


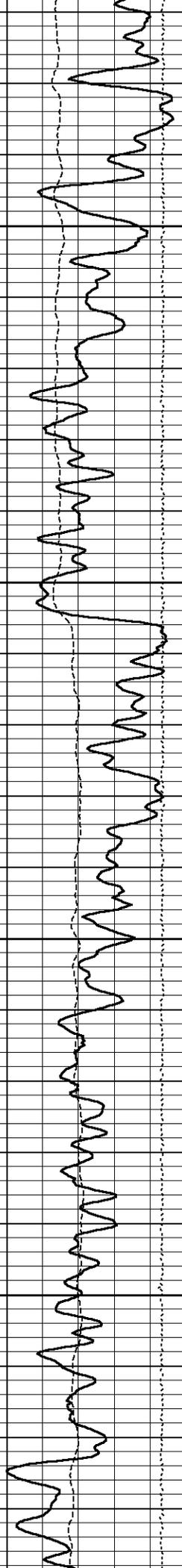
218₃

250

86°







88°

550

88°

600

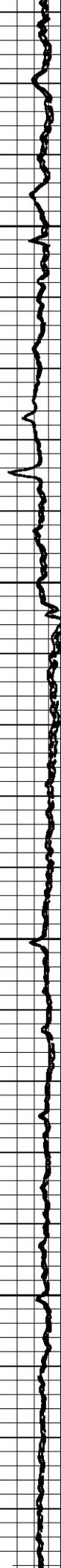
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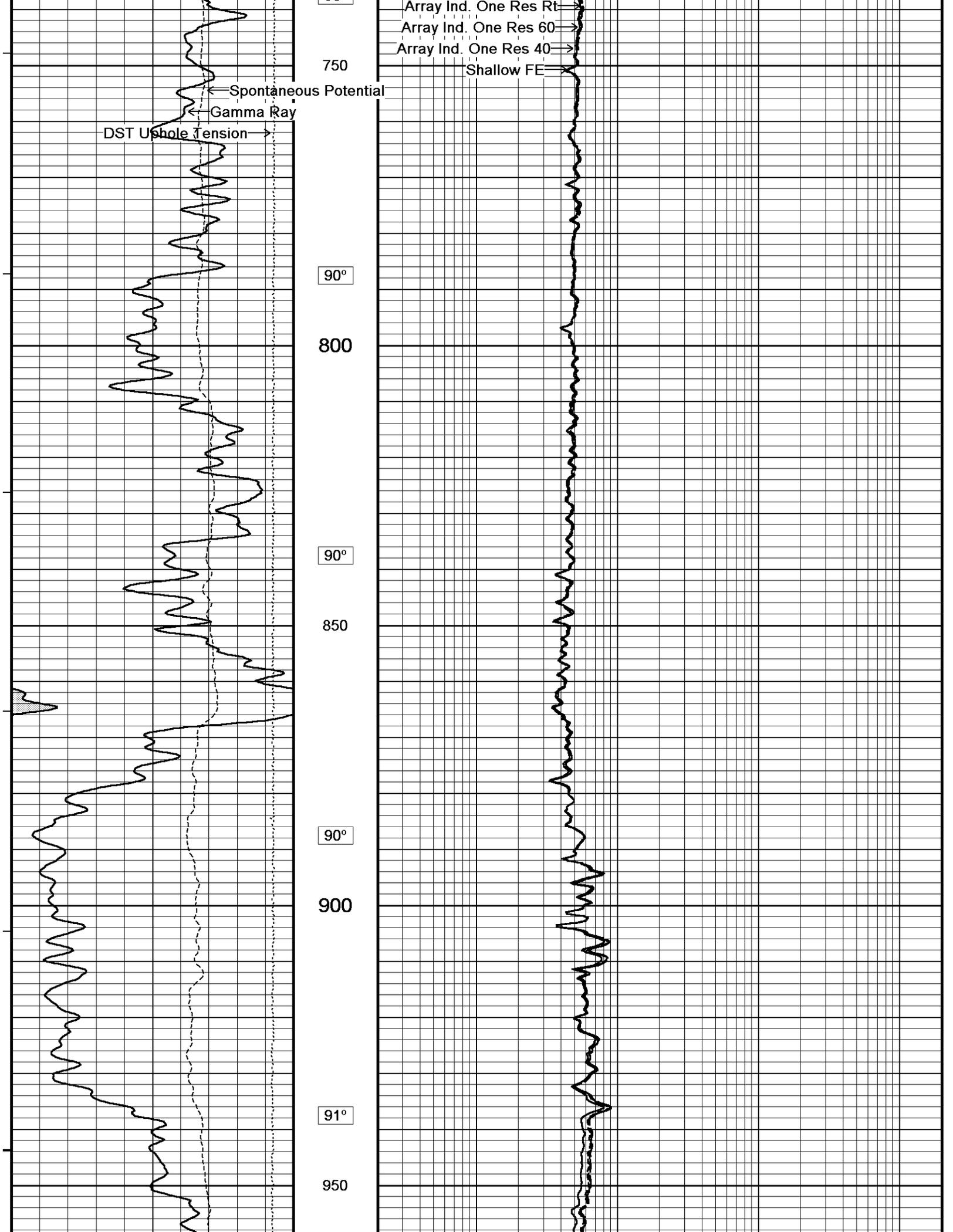
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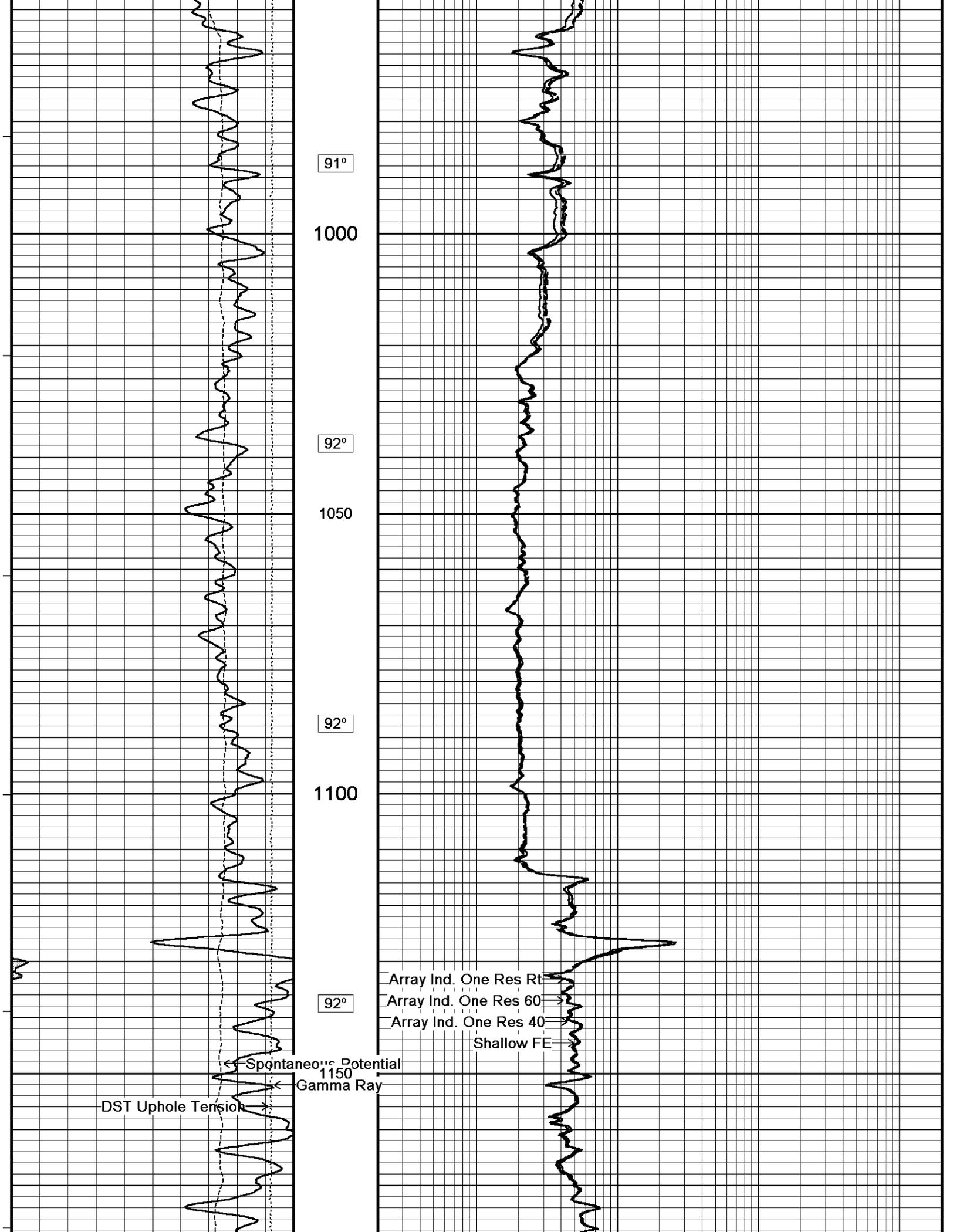
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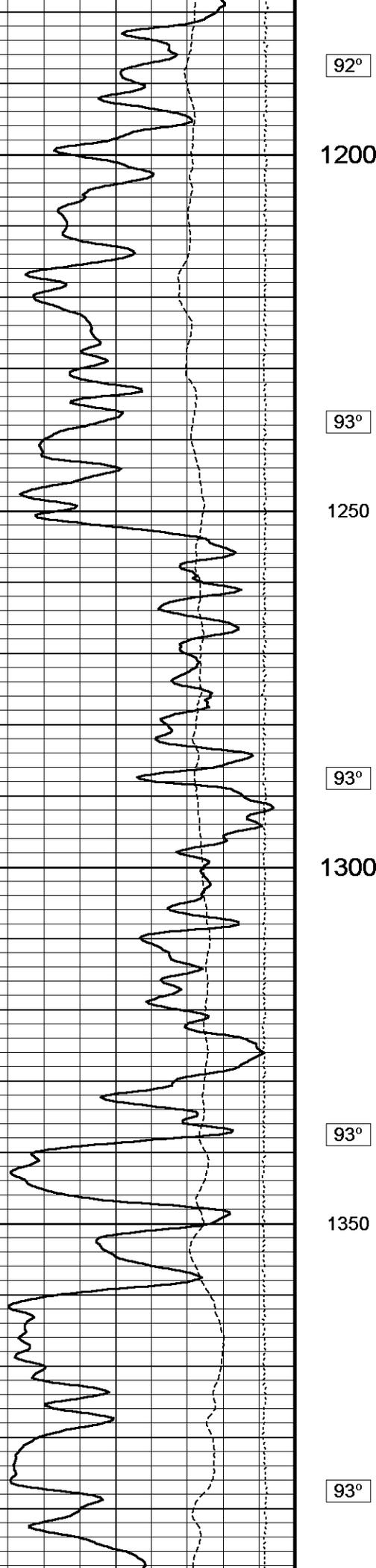
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90°









92°

1200

93°

1250

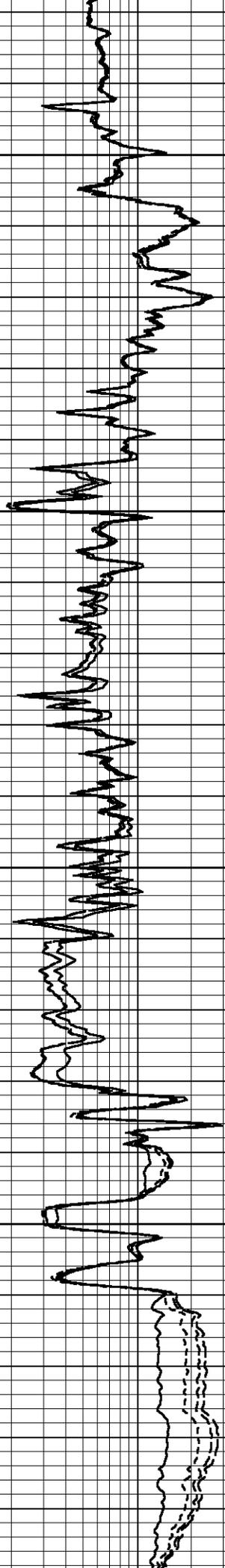
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1300

93°

1350

93°



92°

1200

93°

1250

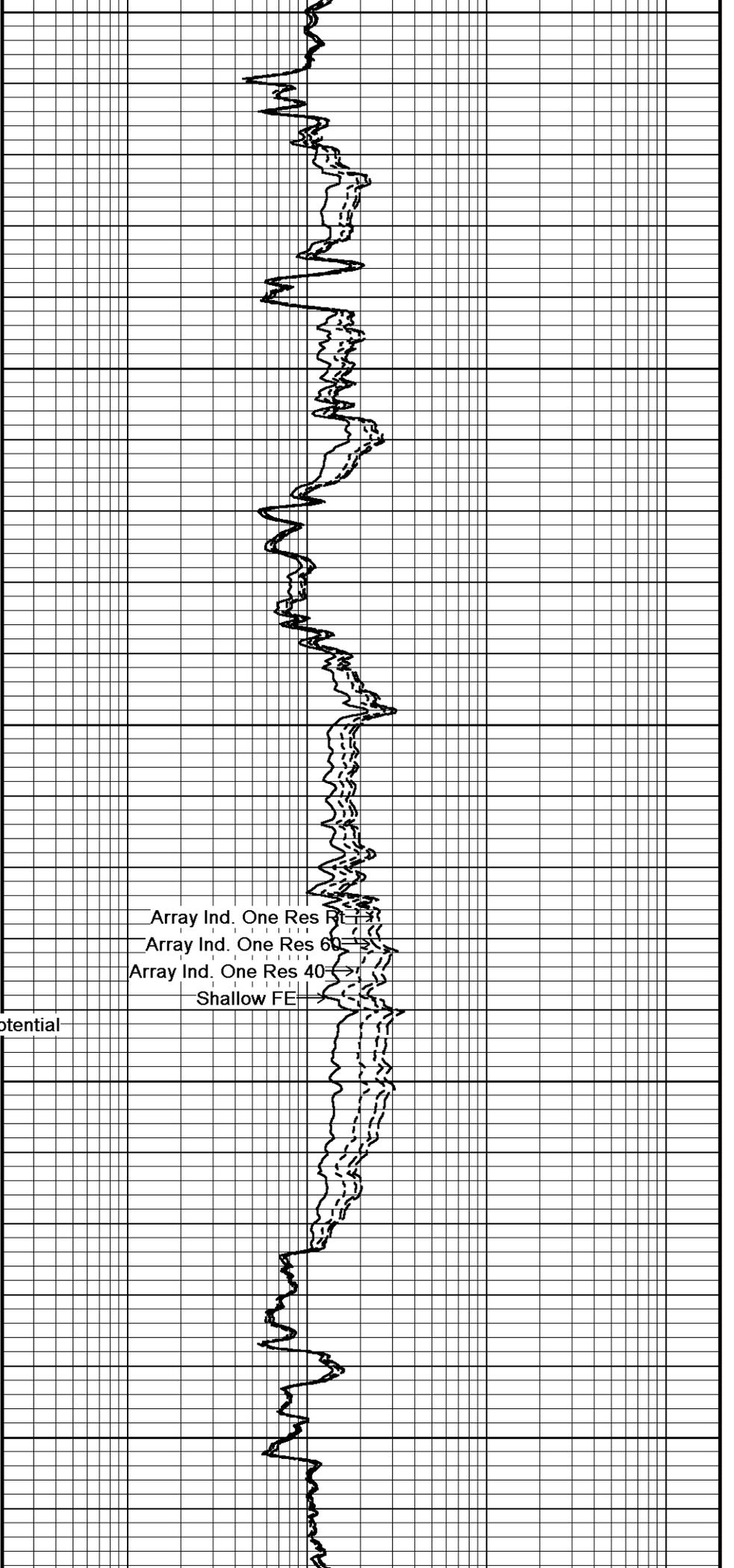
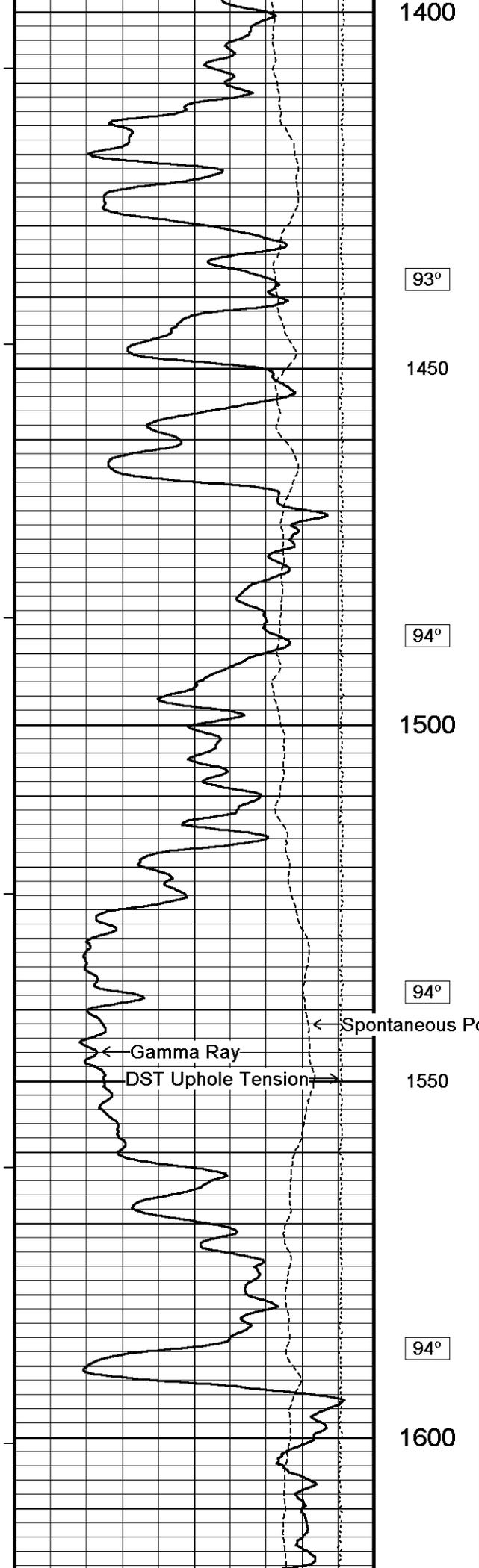
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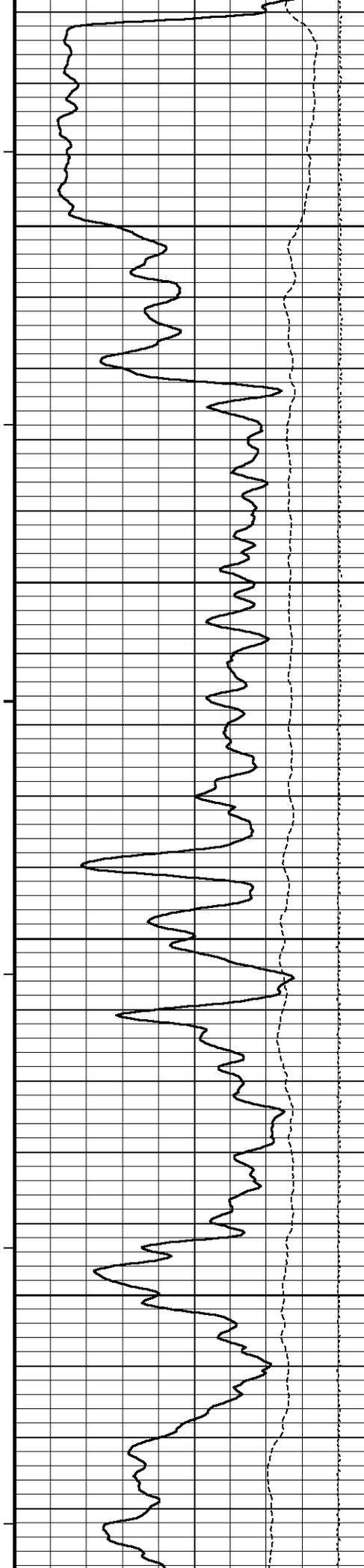
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93°

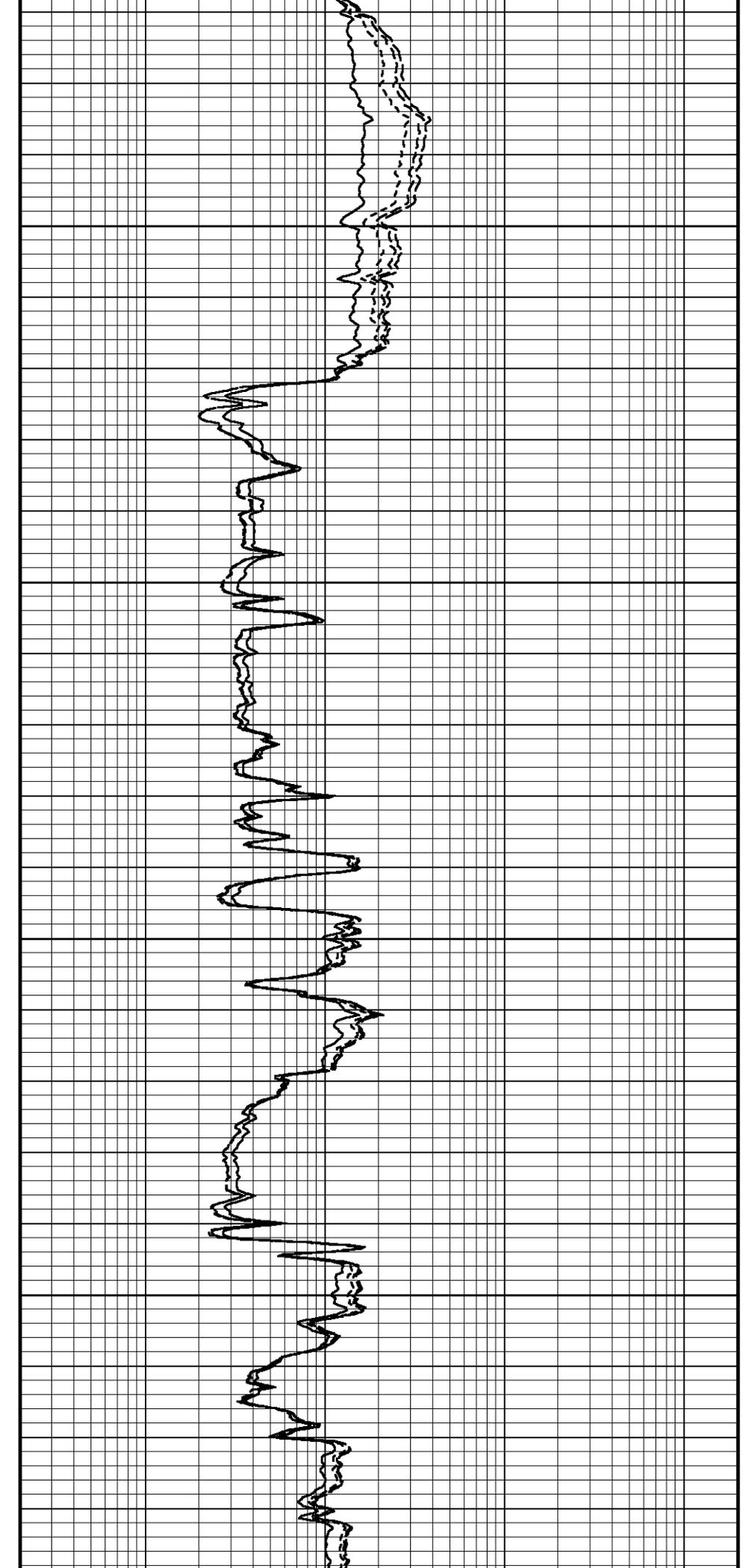
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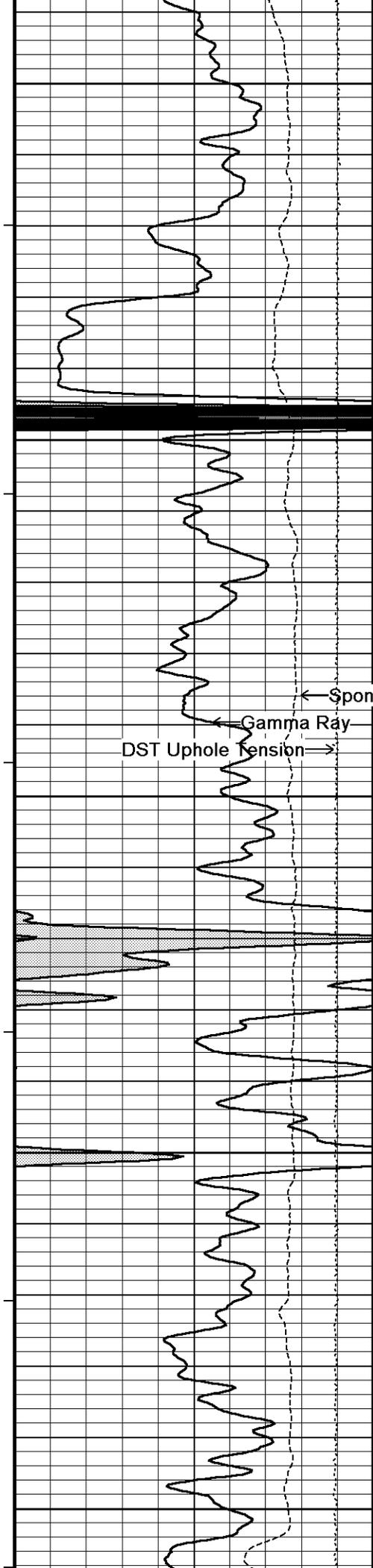
93°





94°
1650
95°
1700
96°
1750
96°
1800
96°





1850

97°

1900

97°

1950

97°

2000

97°

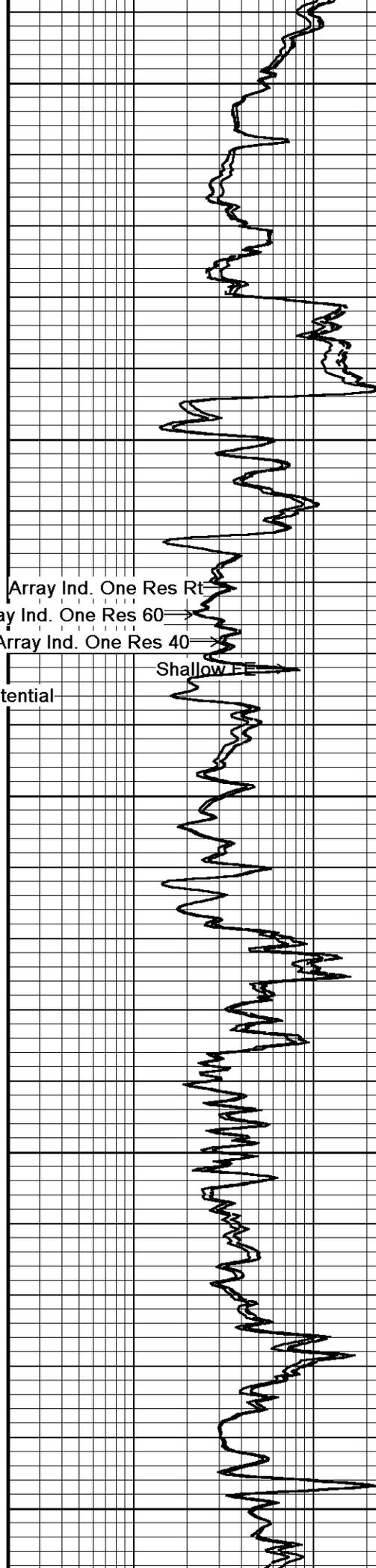
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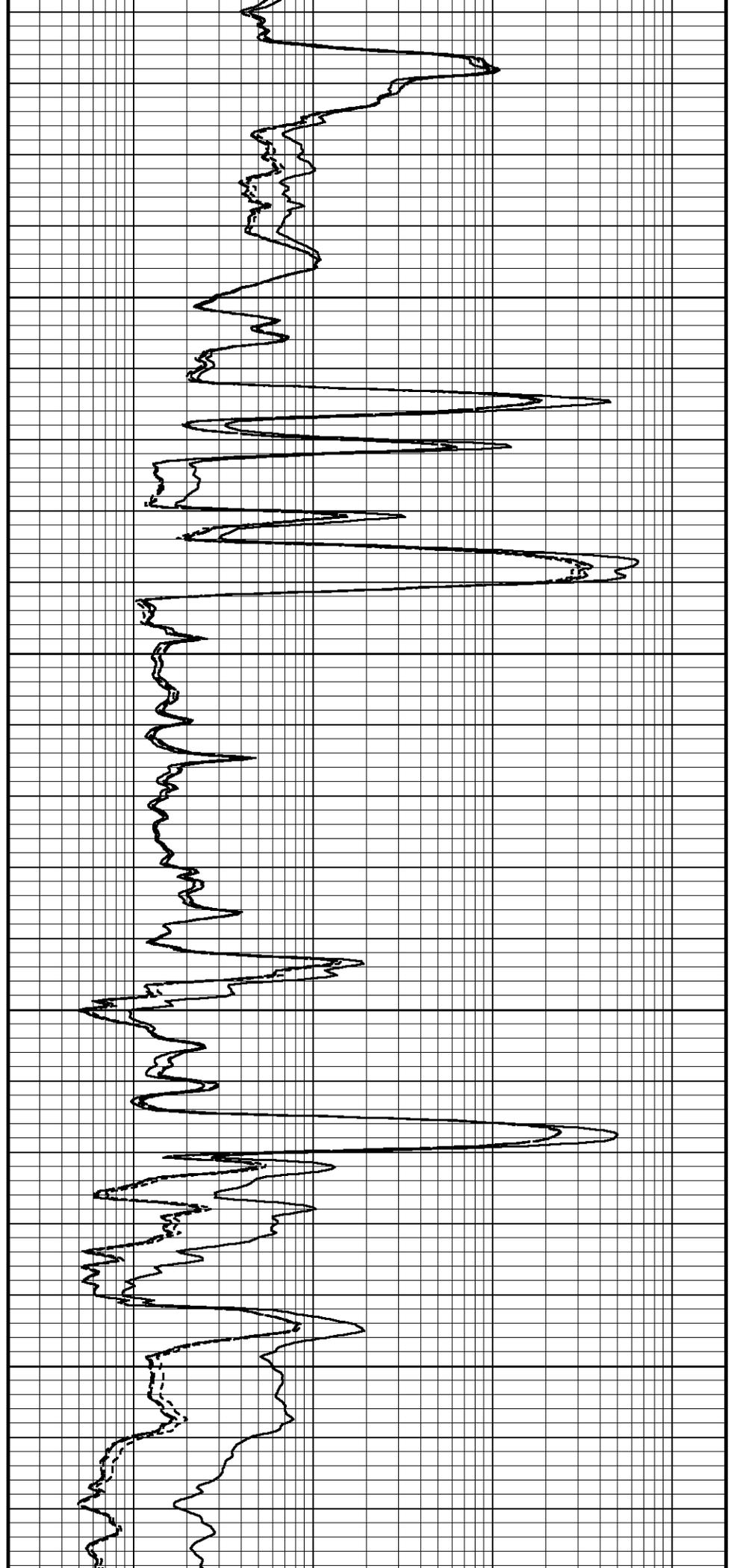
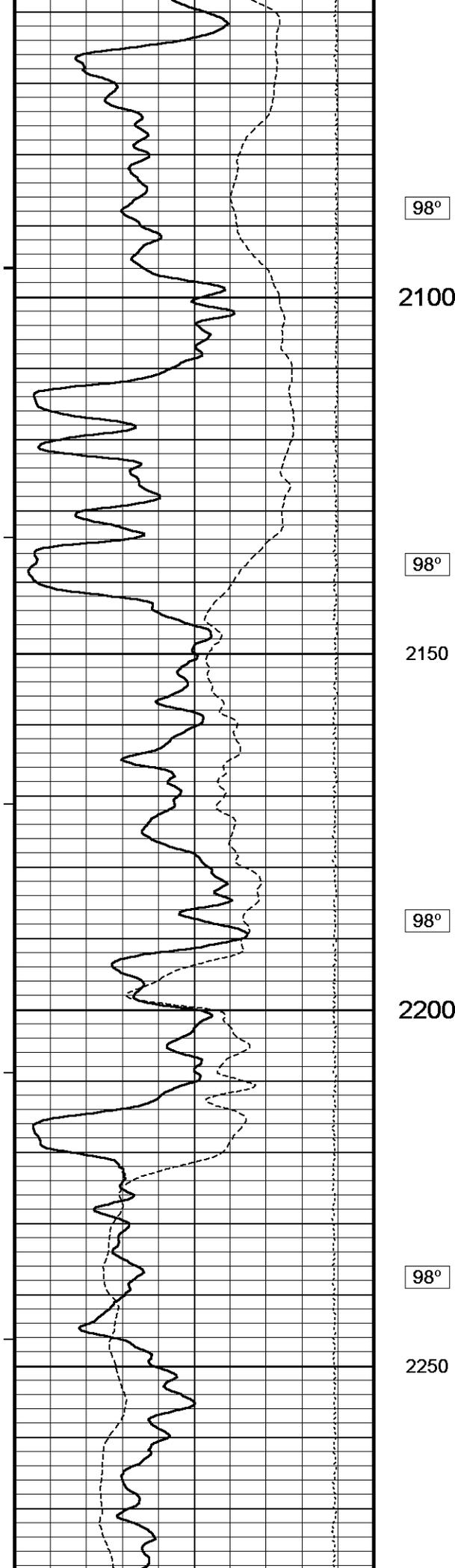
Array Ind. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 40
Shallow FT

Spontaneous Potential

Gamma Ray

DST Uphole Tension





98°

2300

Array Ind. One Res RT

Array Ind. One Res 60

Array Ind. One Res 40

Shallow FT

Spontaneous Potential

Gamma Ray

DST Uphole Tension

98°

2350

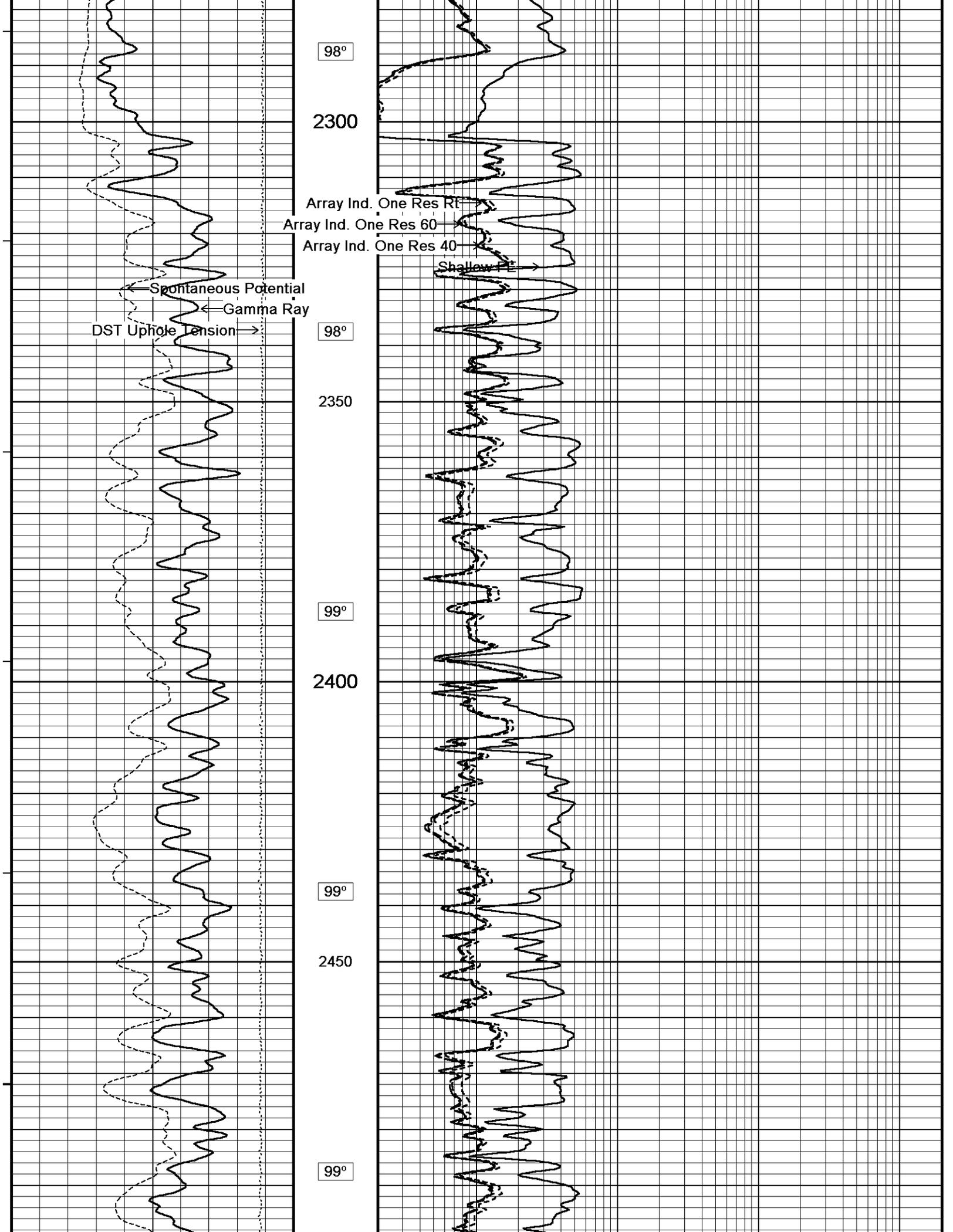
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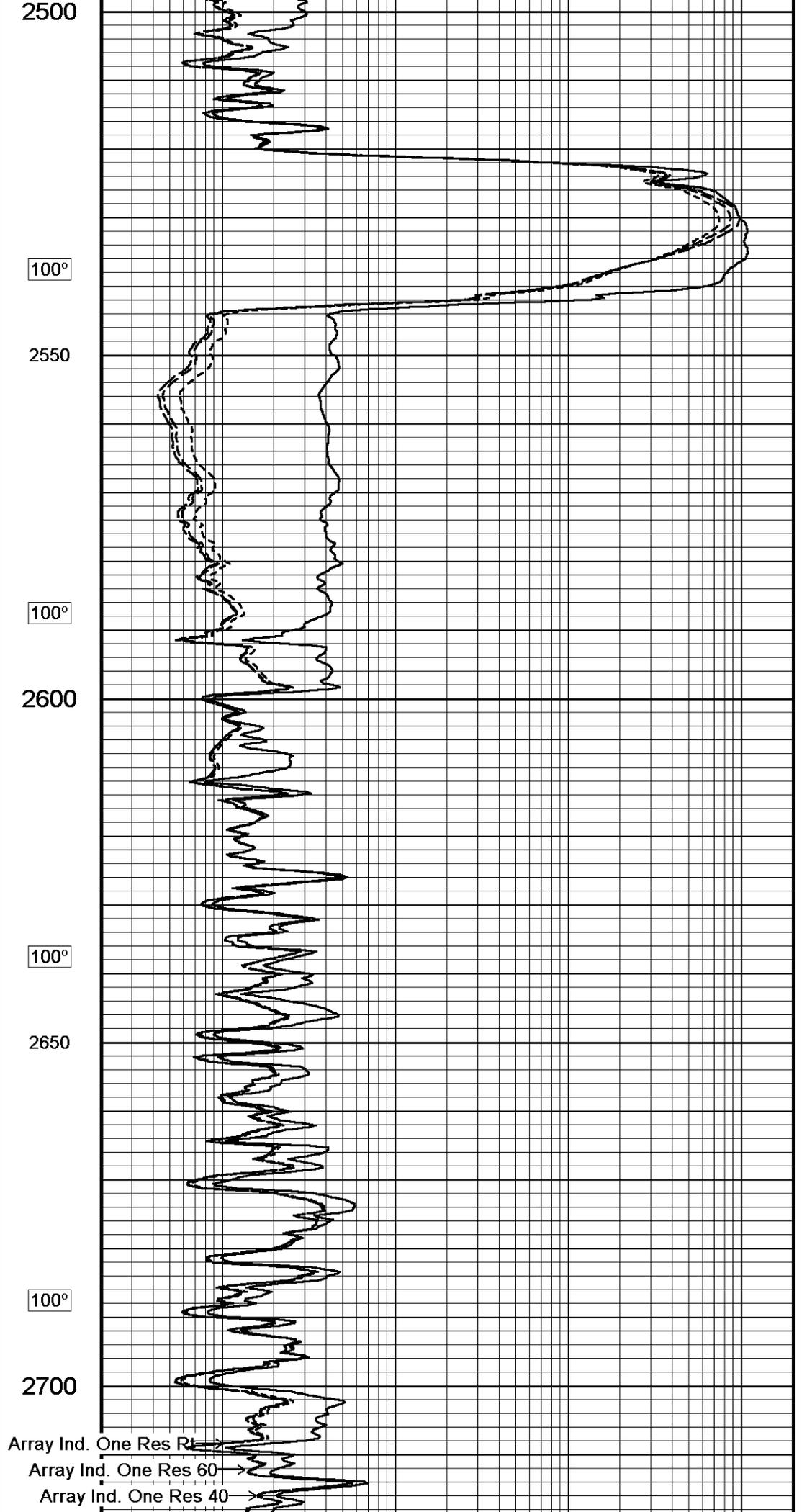
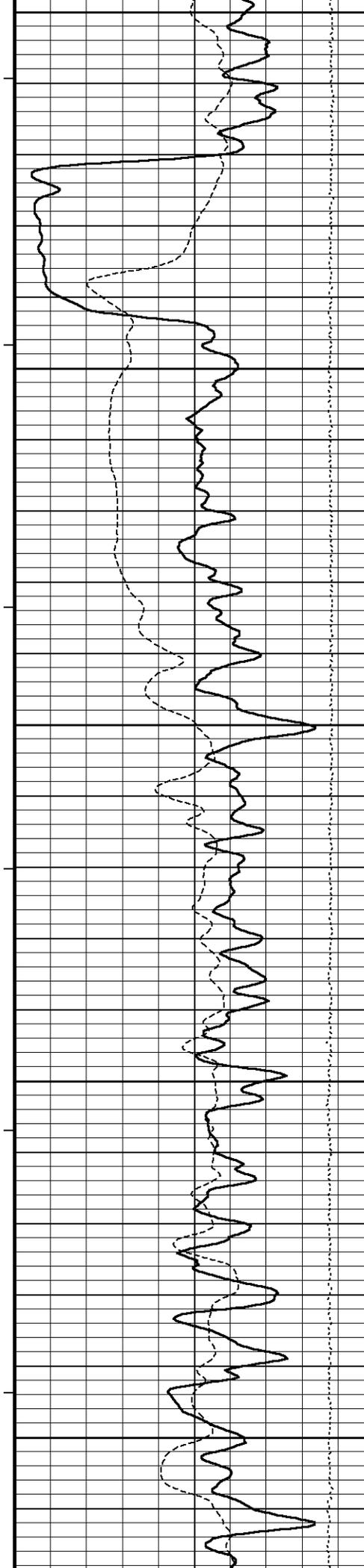
2400

99°

2450

99°

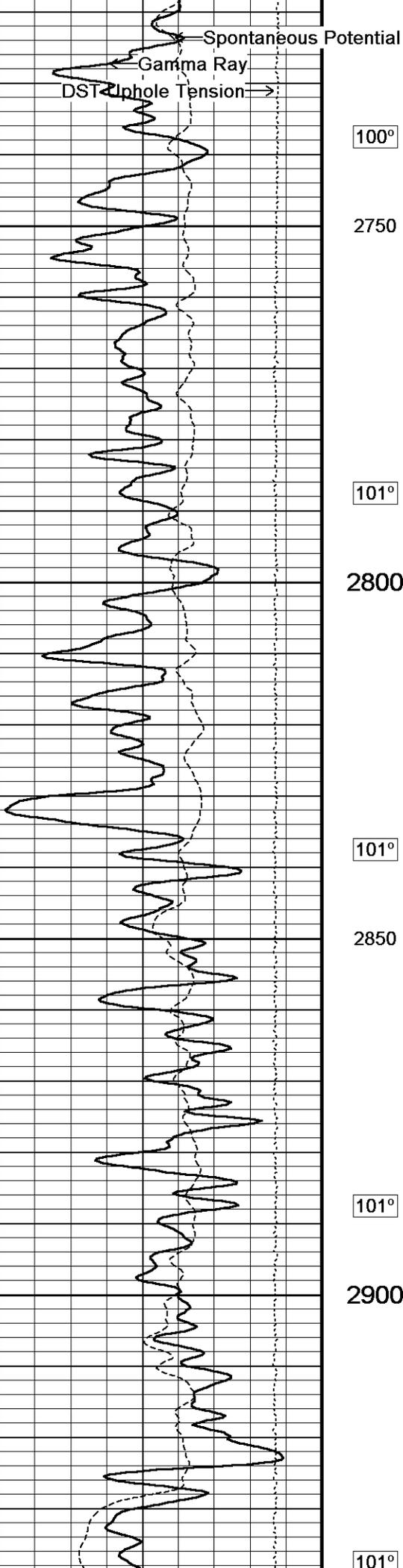




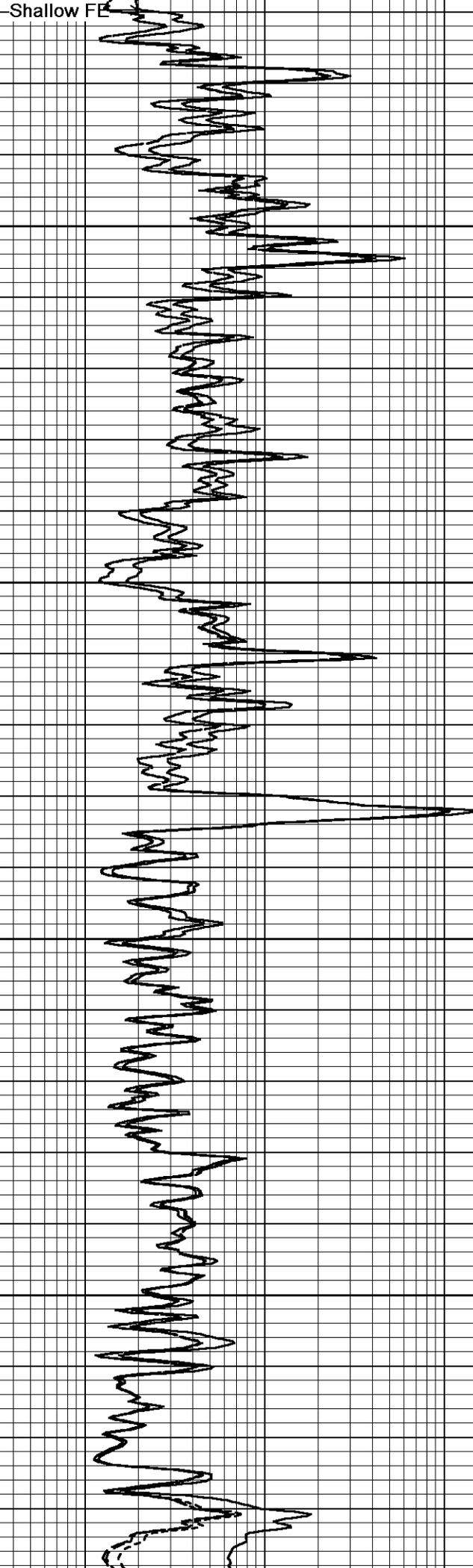
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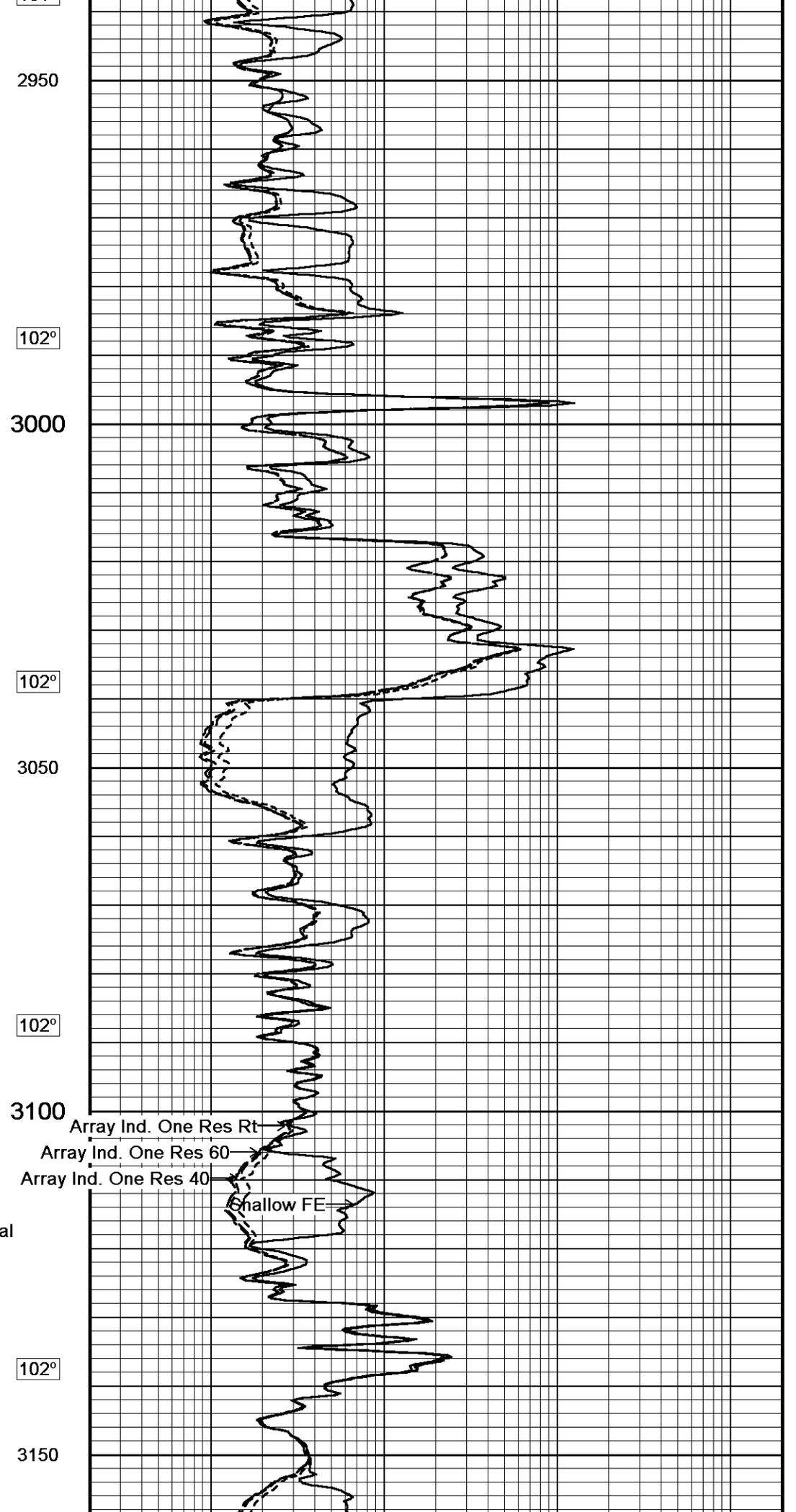
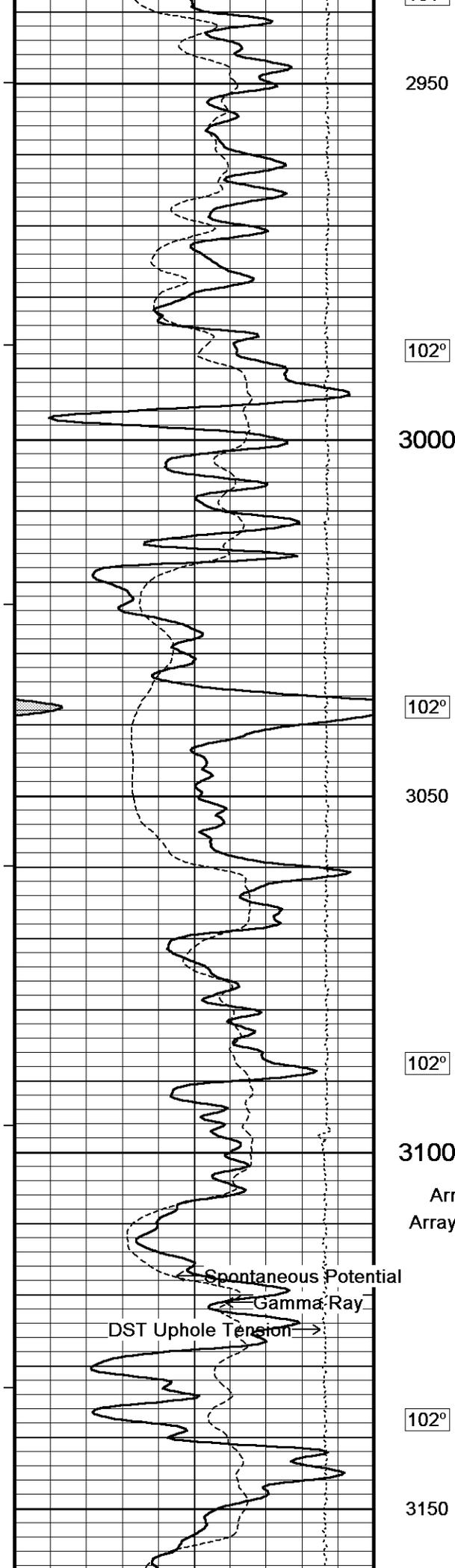
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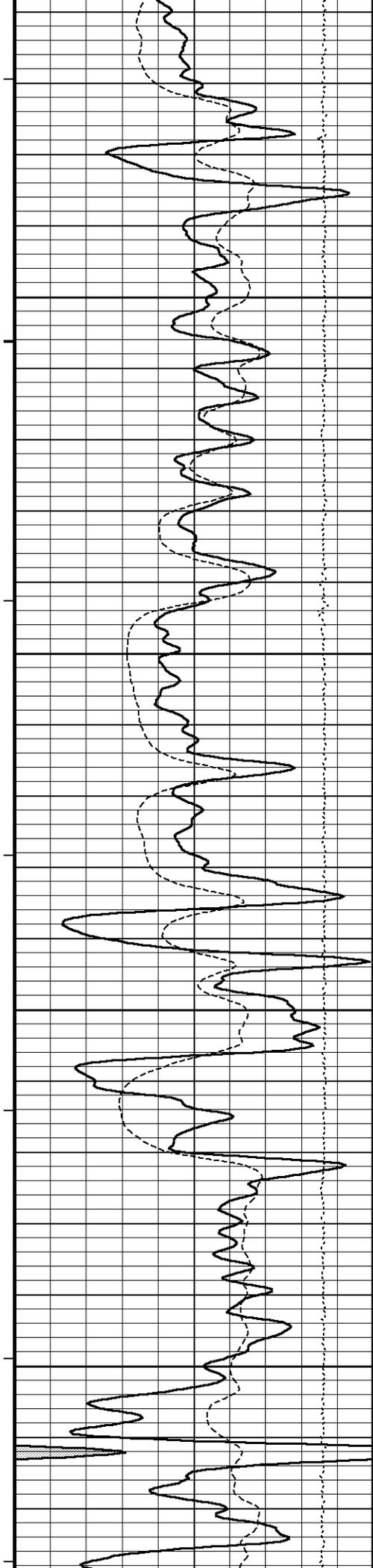
Array Ind. One Res 40 →



100°
2750
101°
2800
101°
2850
101°
2900
101°







102°

3200

103°

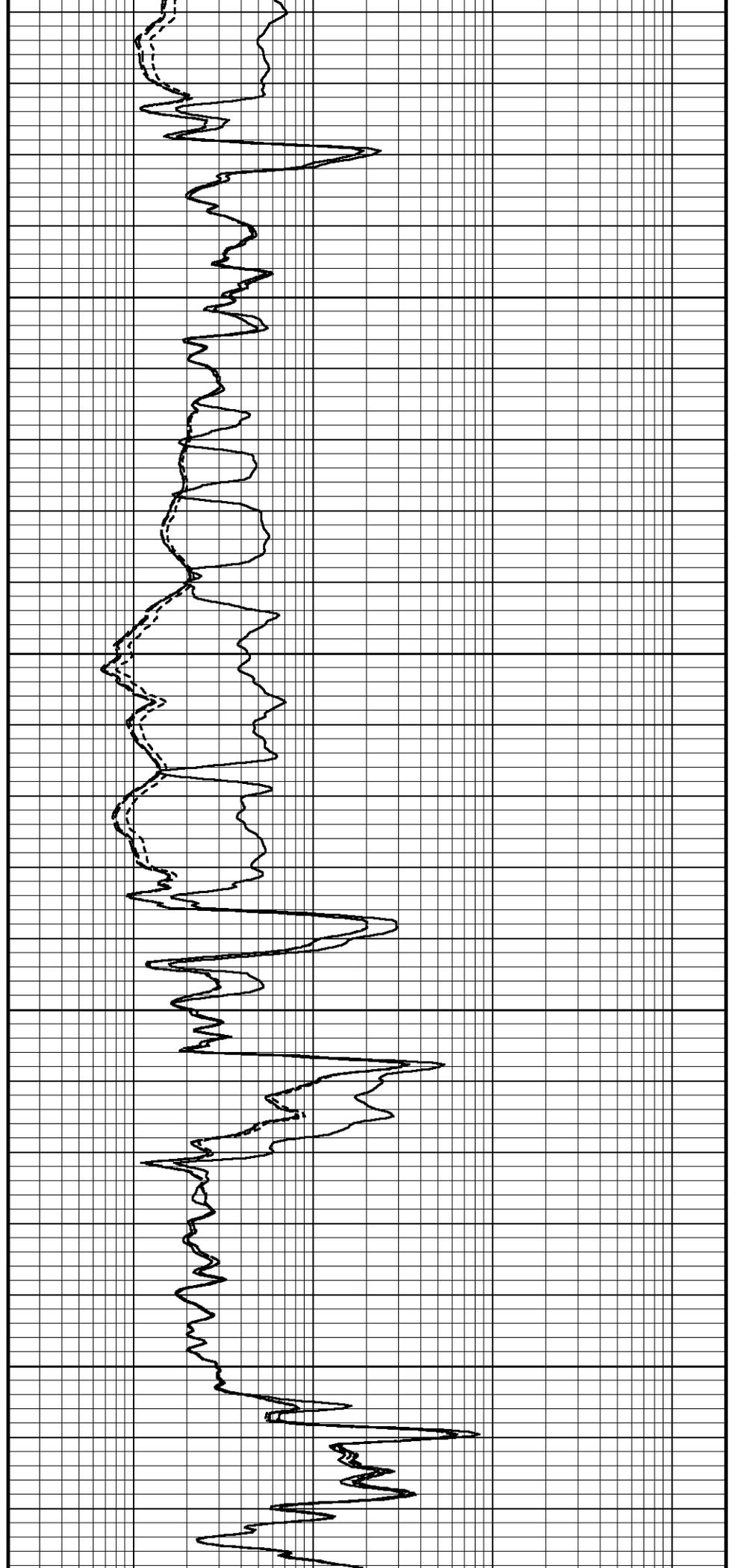
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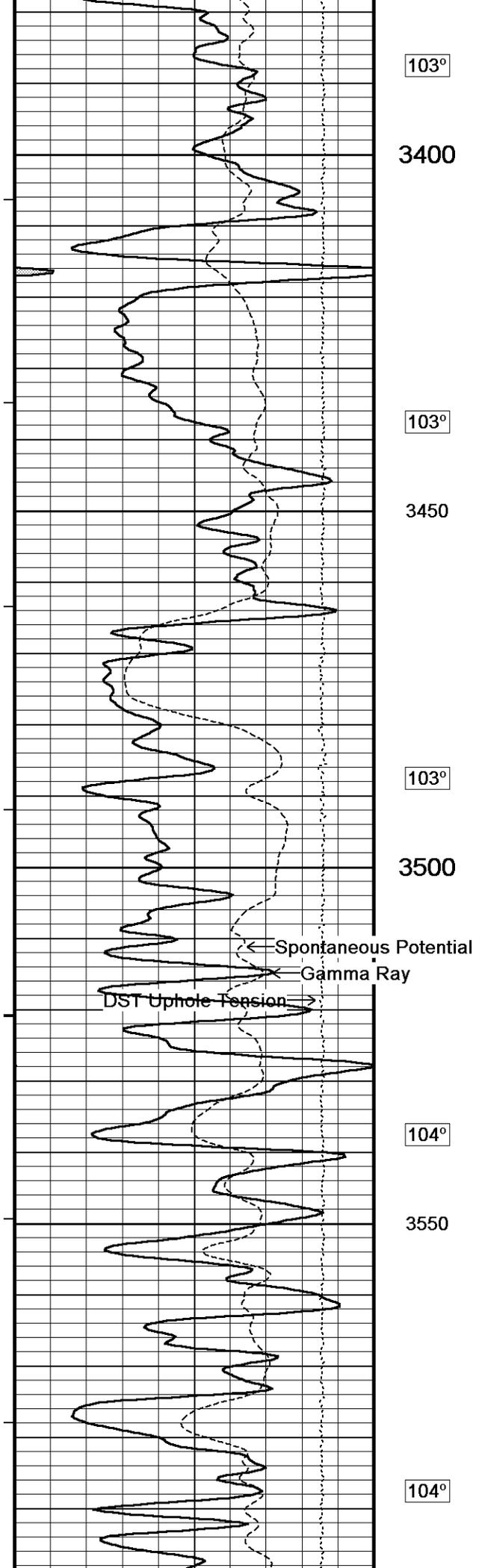
103°

3300

103°

3350





103°

3400

103°

3450

103°

3500

← Spontaneous Potential

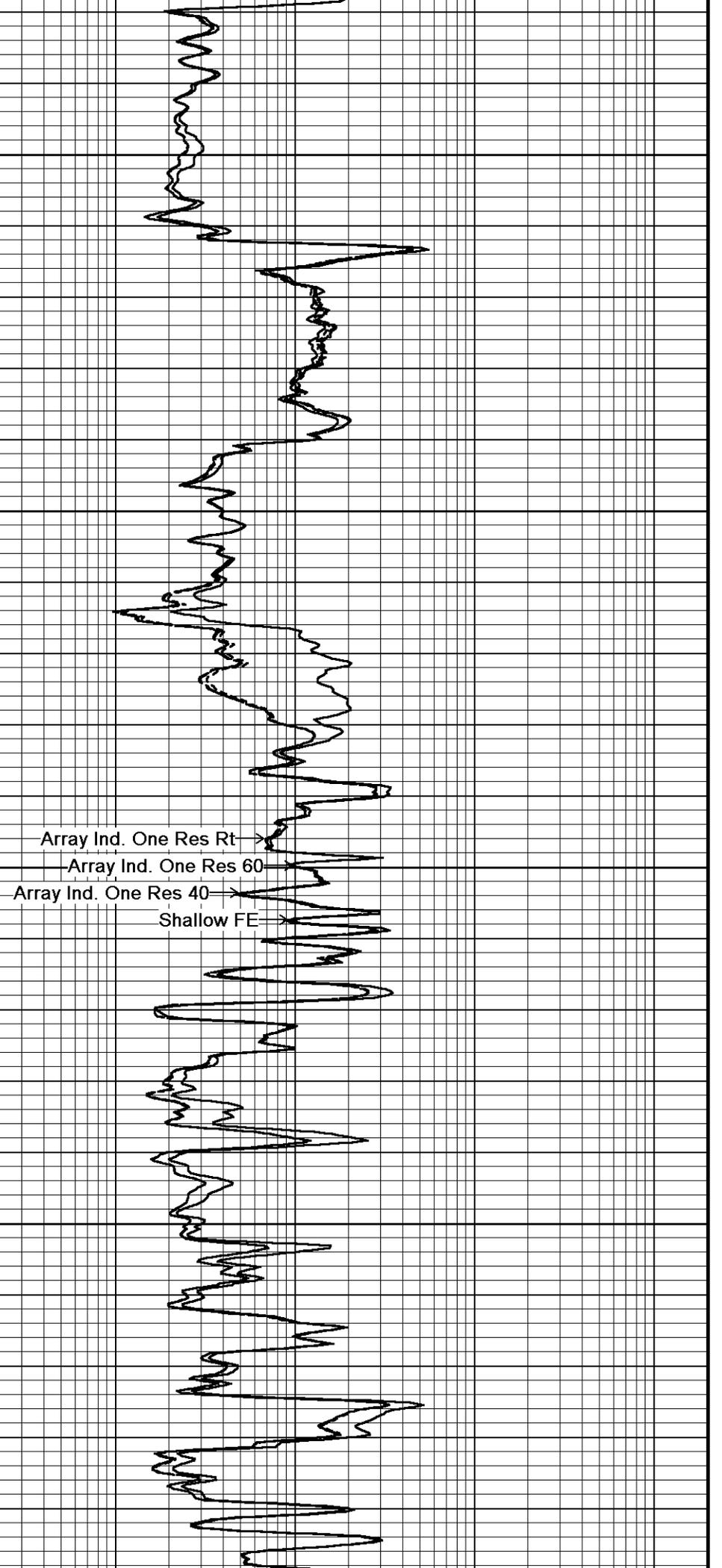
← Gamma Ray

DST Uphole Tension →

104°

3550

104°

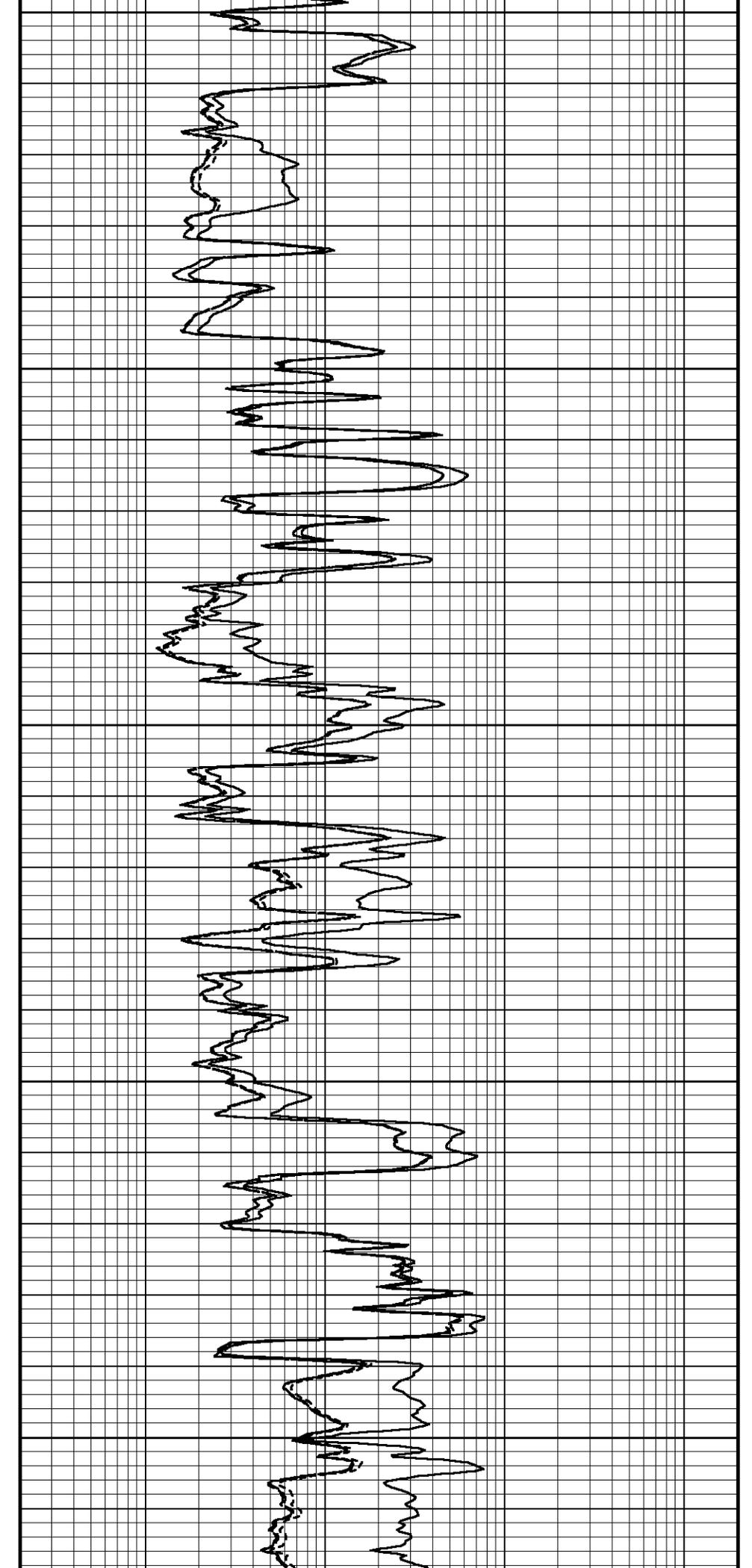
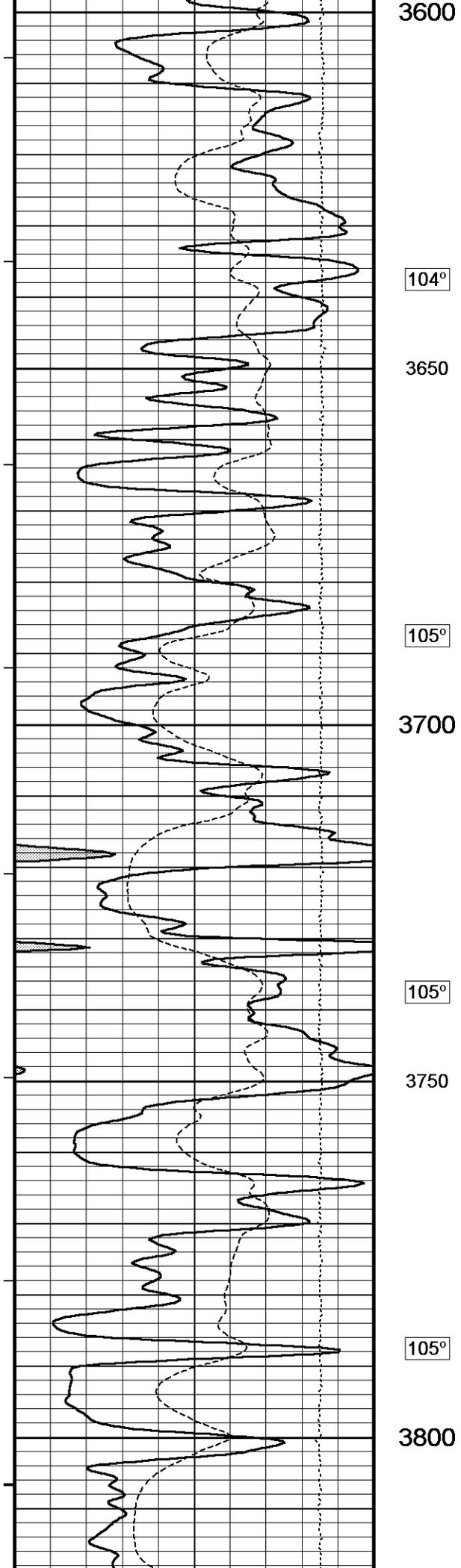


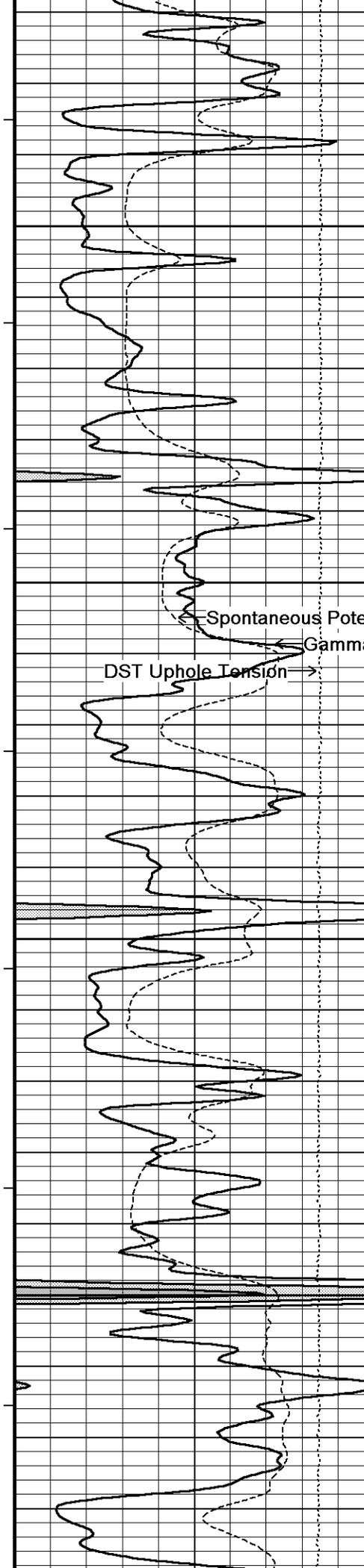
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Array Ind. One Res 60 →

Array Ind. One Res 40 →

Shallow FE →





105°

3850

105°

3900

106°

3950

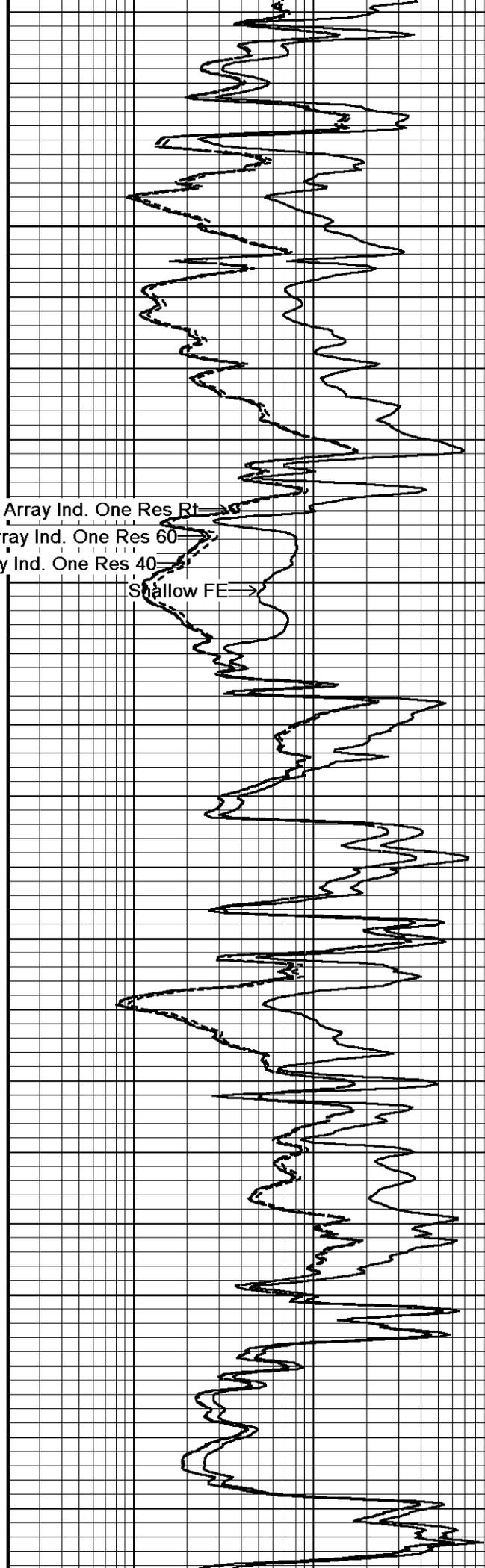
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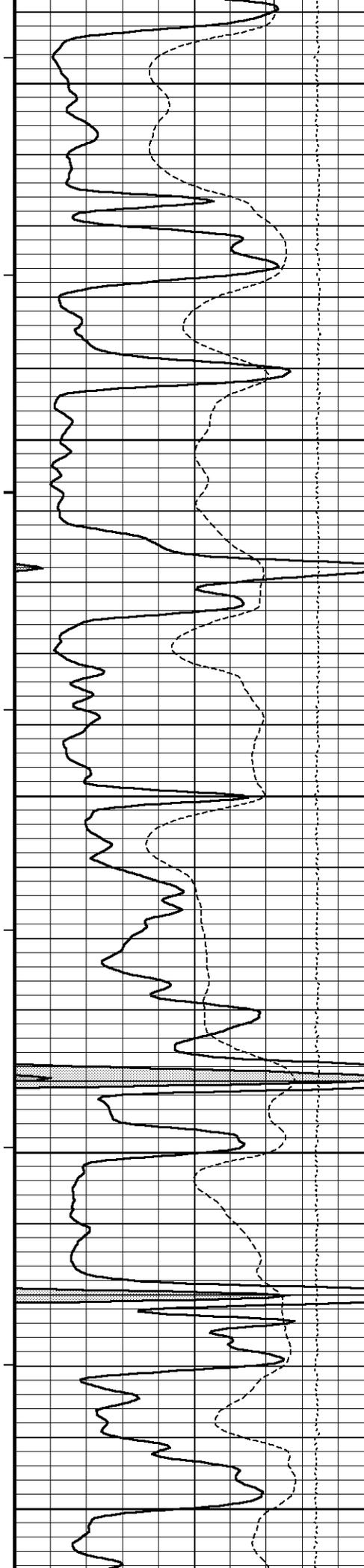
4000

106°

Spontaneous Potential
← Gamma Ray
DST Uphole Tension →

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





4050

106°

4100

106°

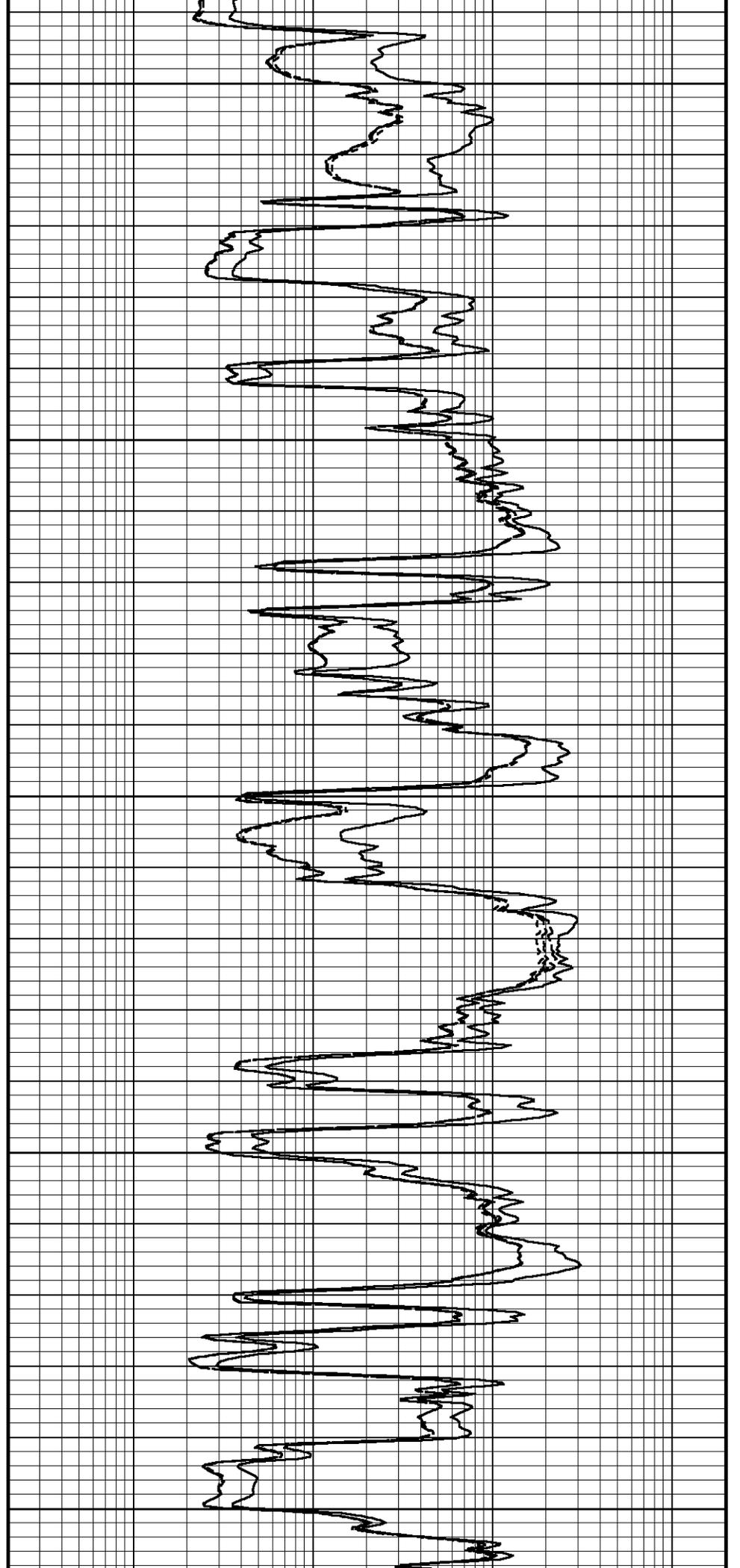
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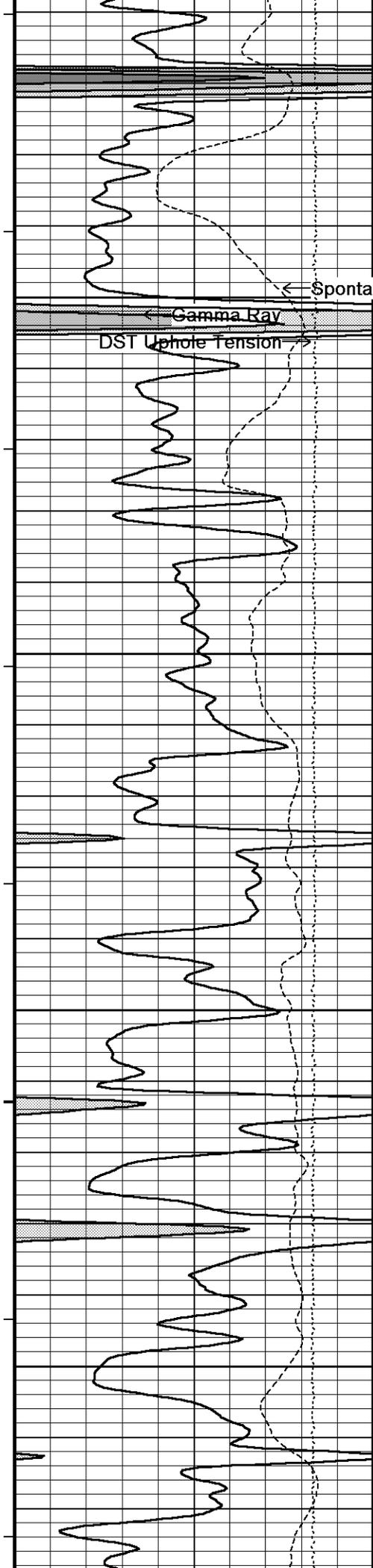
107°

4200

108°

4250





108°

4300

108°

4350

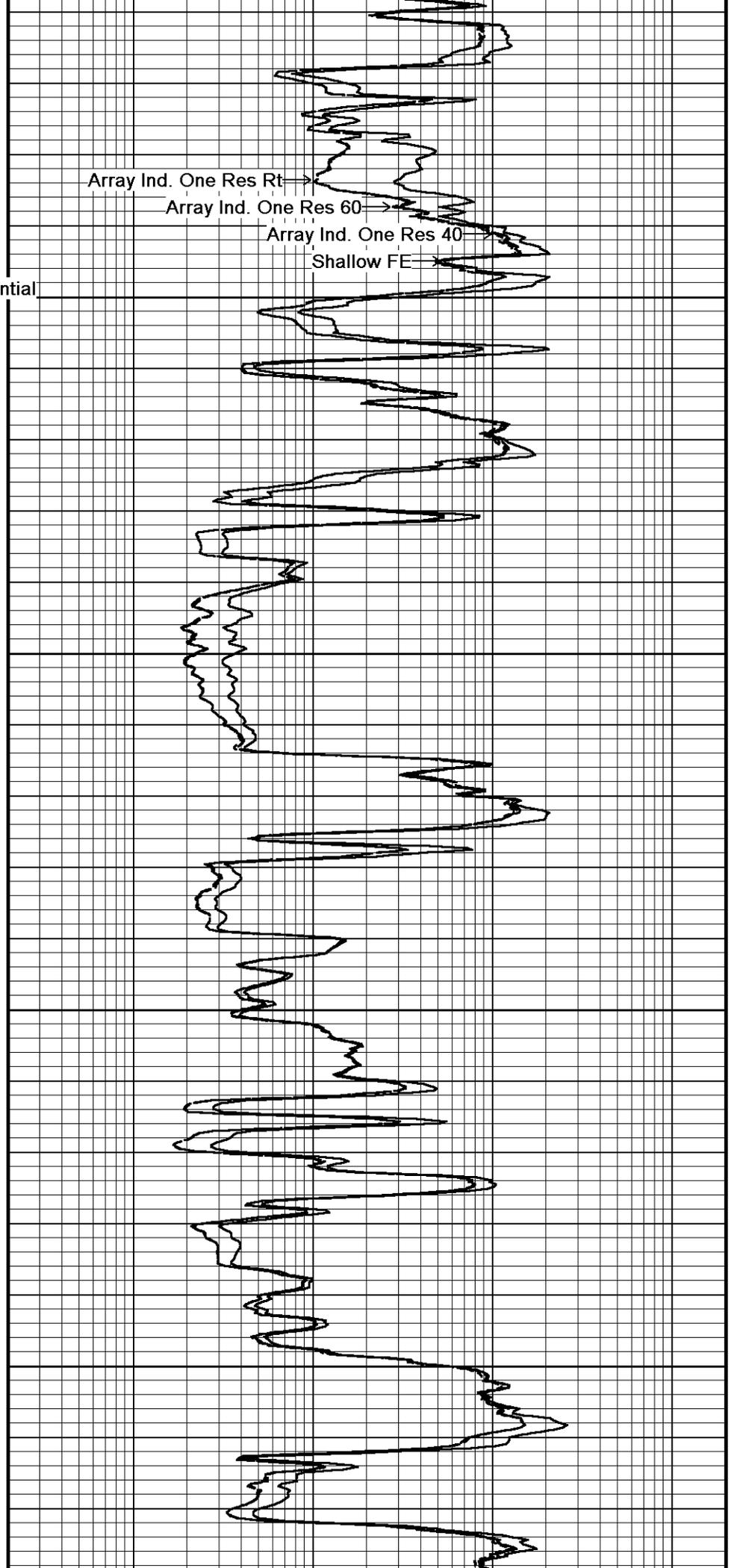
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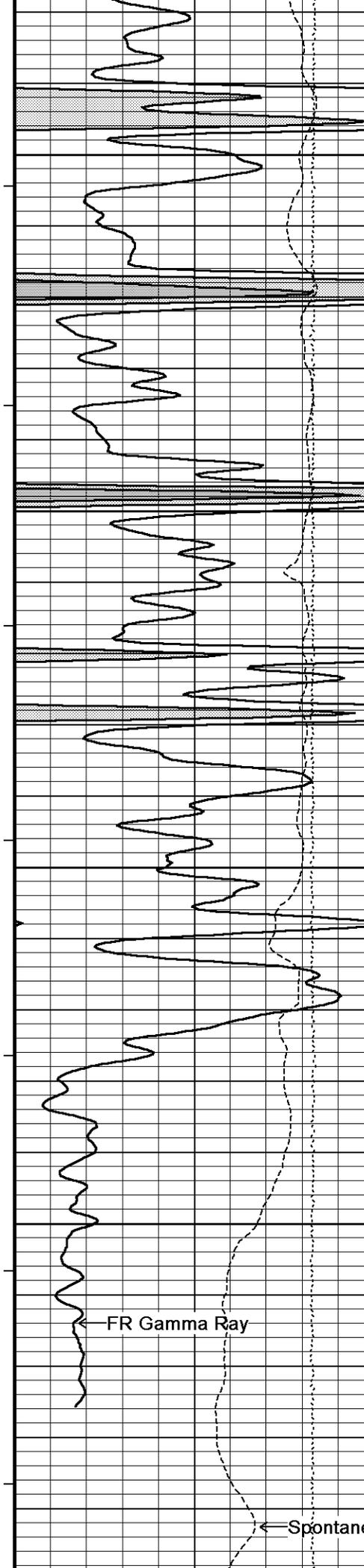
4400

108°

4450

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





109°

4500

109°

4550

110°

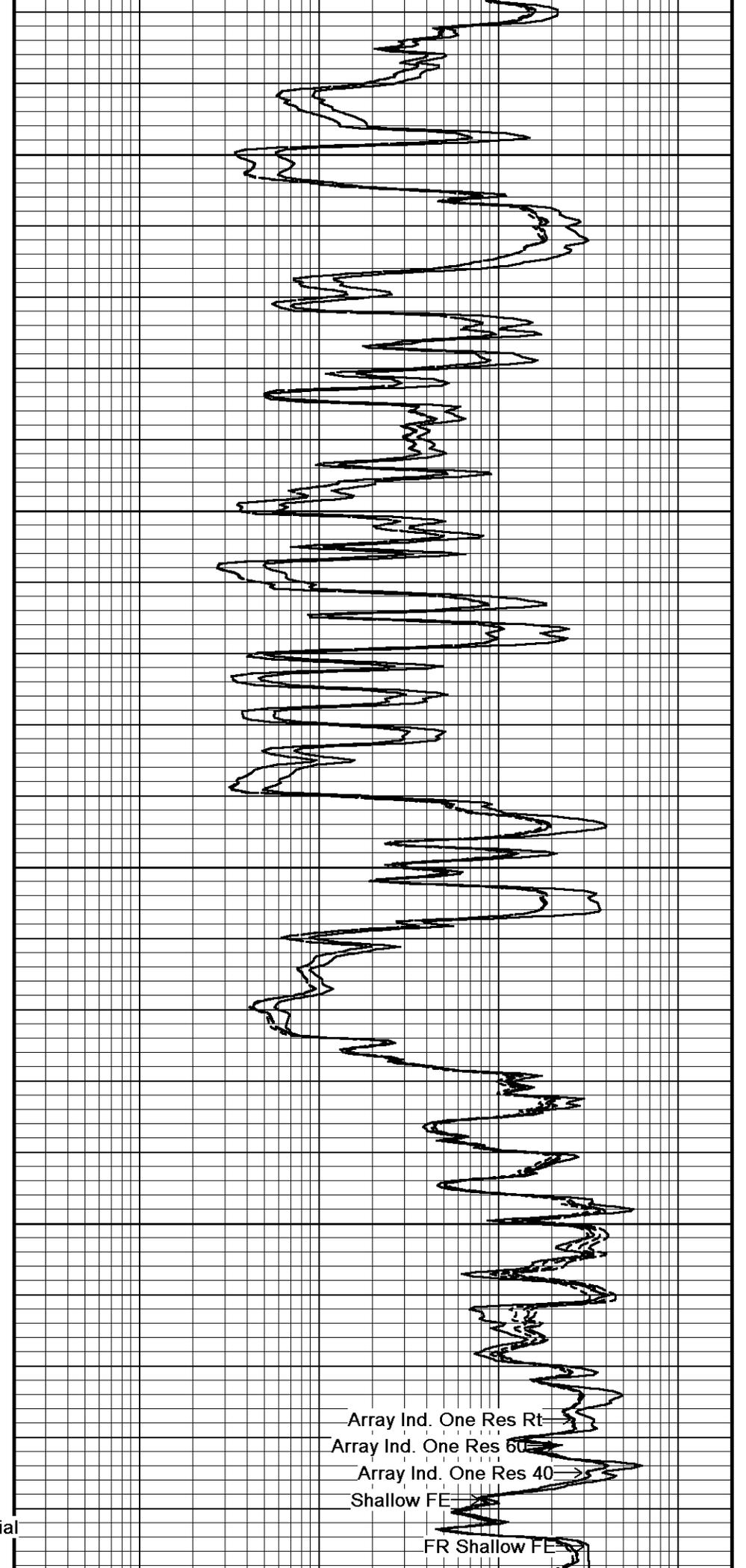
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110°

4650

FR Gamma Ray

Spontaneous Potential



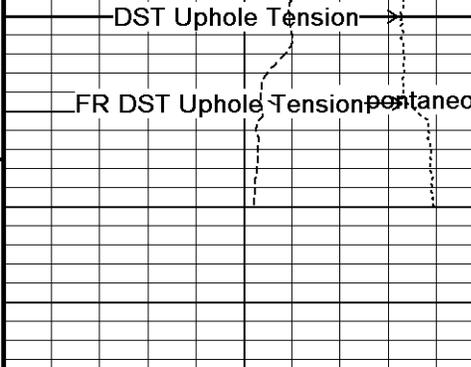
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Array Ind. One Res 60

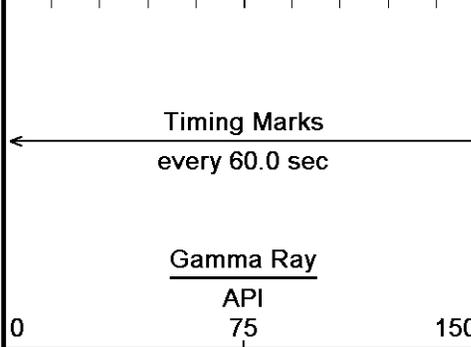
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Shallow FE

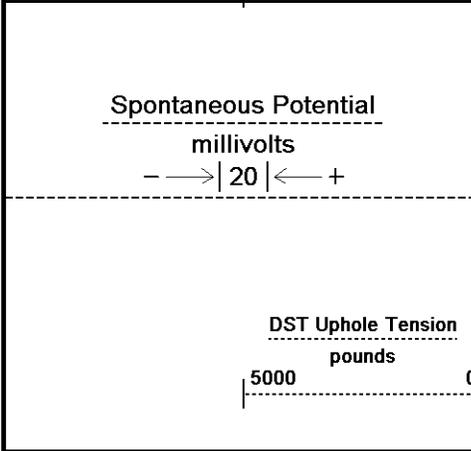
FR Shallow FE



4700

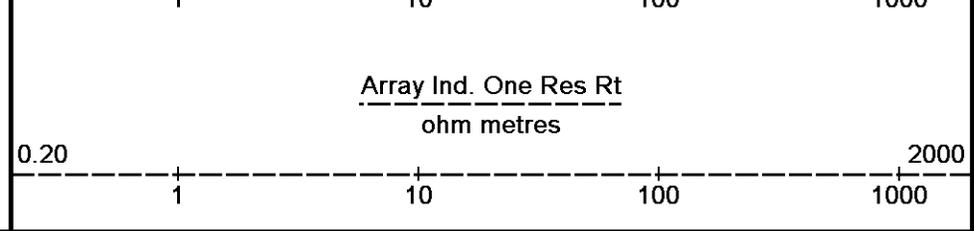
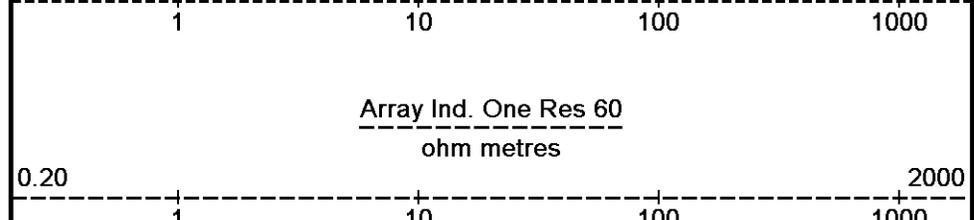
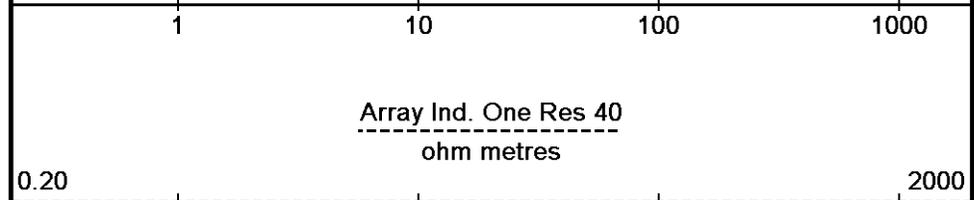
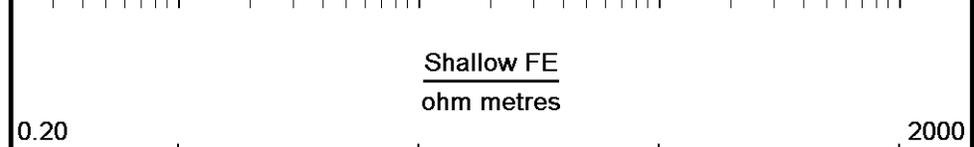
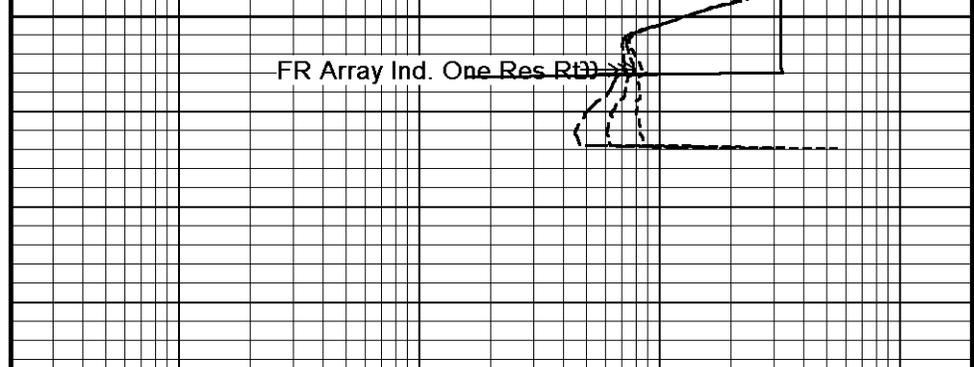
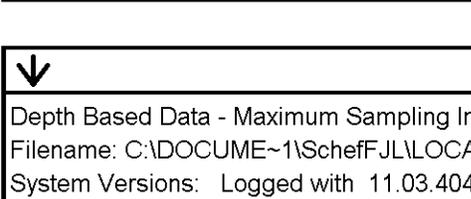
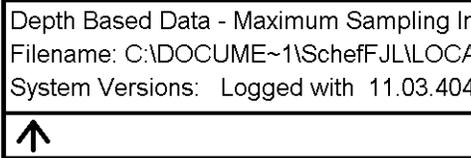


4736
Depth
in
Feet



Borehole
Temp in
deg F

Replay
Scale
1:240

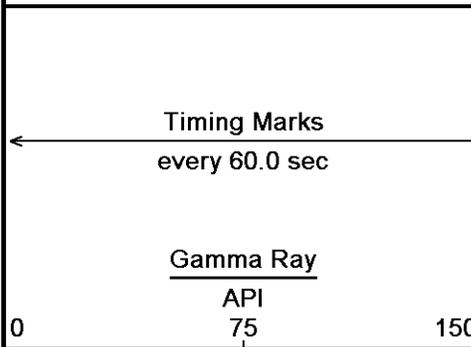


Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 29-FEB-2012 07:25
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 System Versions: Logged with 11.03.4044 Plotted with 12.01.3513

↑ 5 INCH MAIN ↑

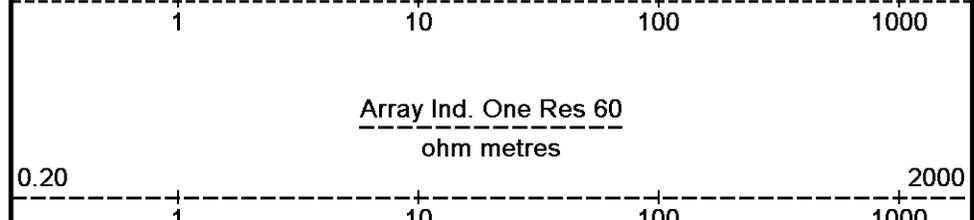
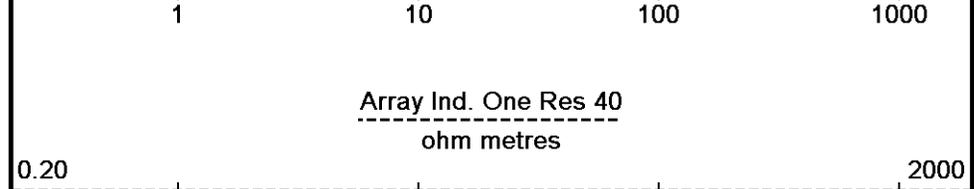
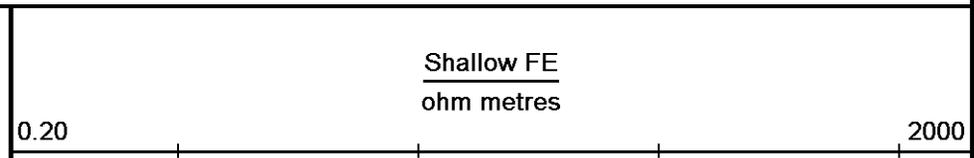
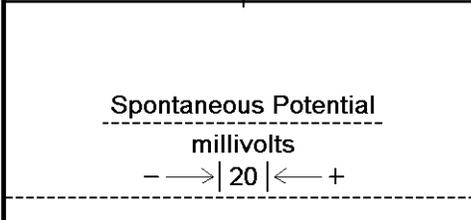
↓ REPEAT SECTION ↓

Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 29-FEB-2012 07:25
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 System Versions: Logged with 11.03.4044 Plotted with 12.01.3513



Depth
in
Feet

Borehole
Temp in
deg F



DST Uphole Tension
pounds

5000 0

Replay
Scale
1:240

Array Ind. One Res Rt
ohm metres

0.20

1

10

100

1000

2000

4400

107°

4450

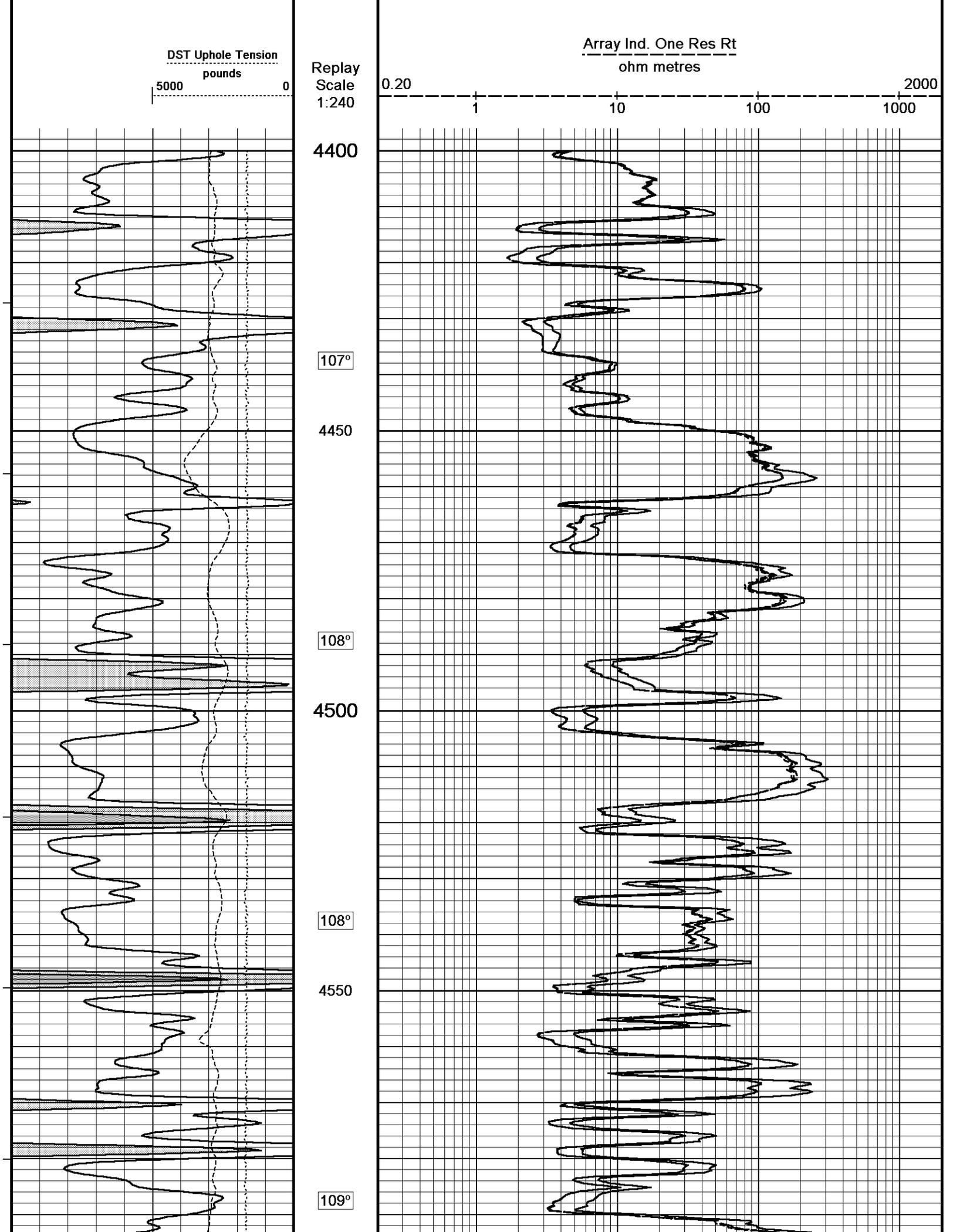
108°

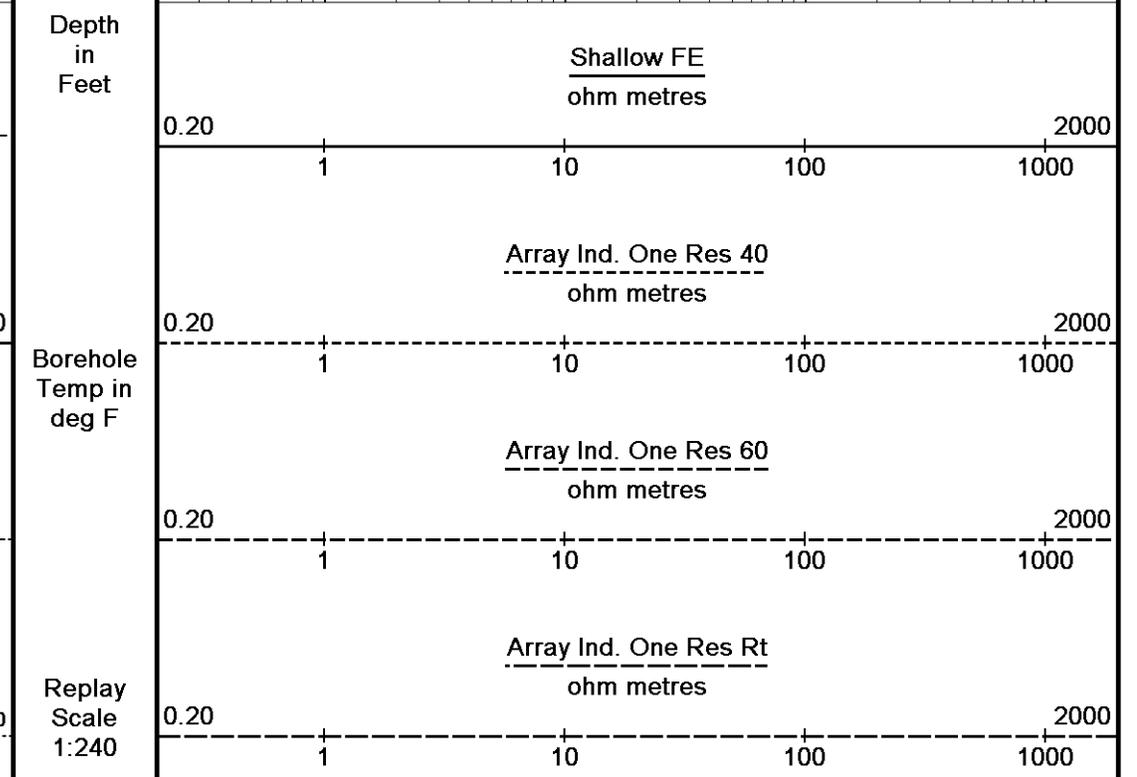
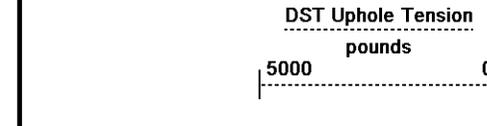
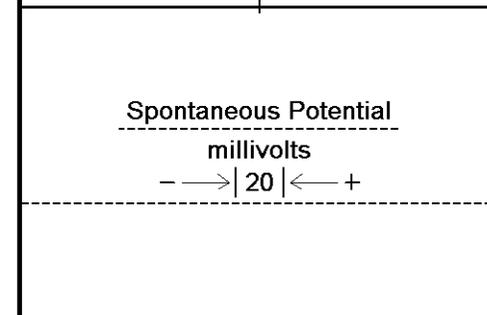
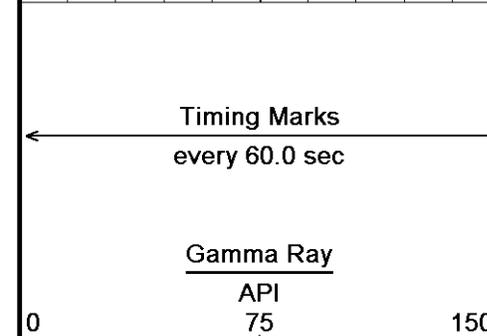
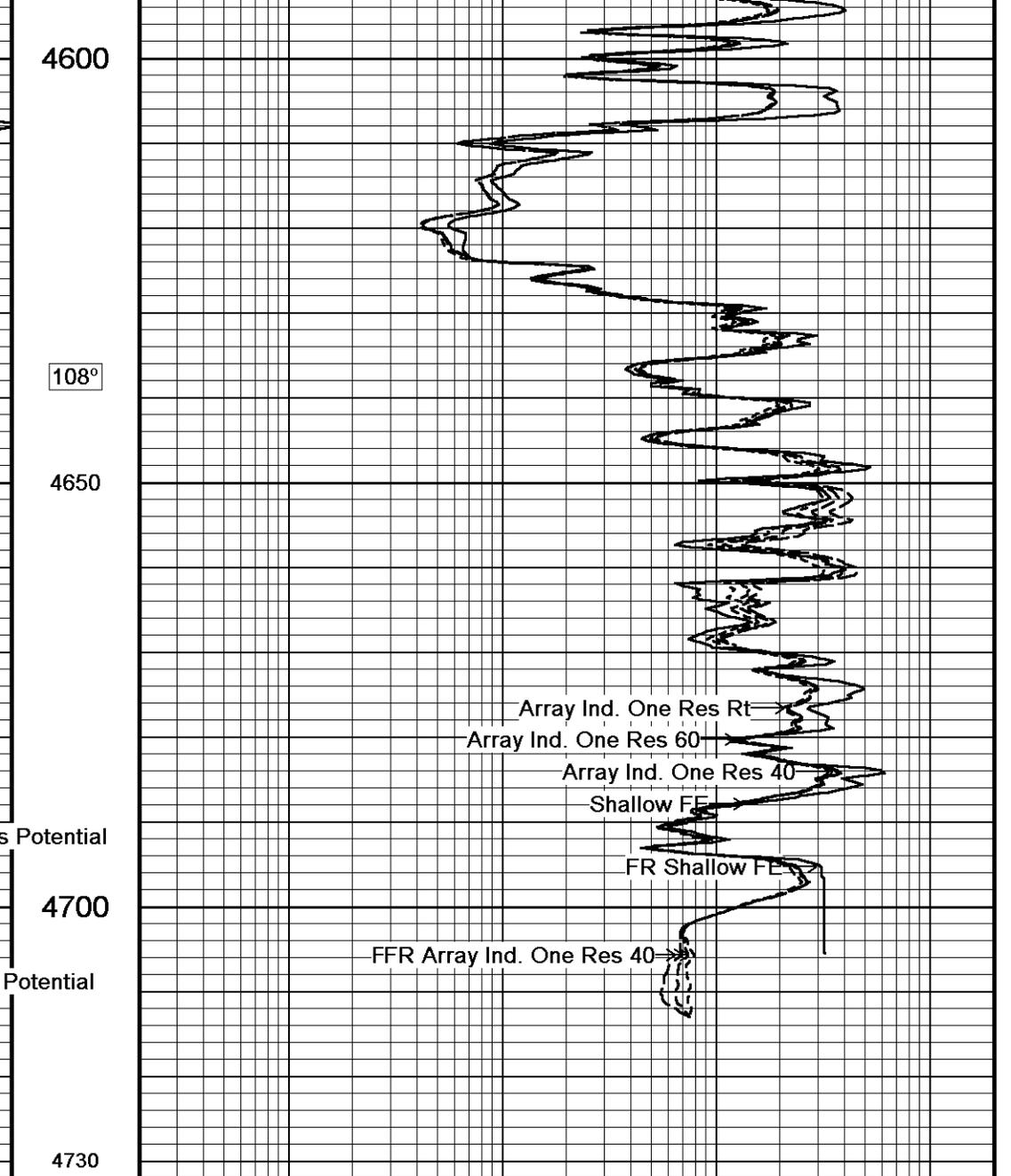
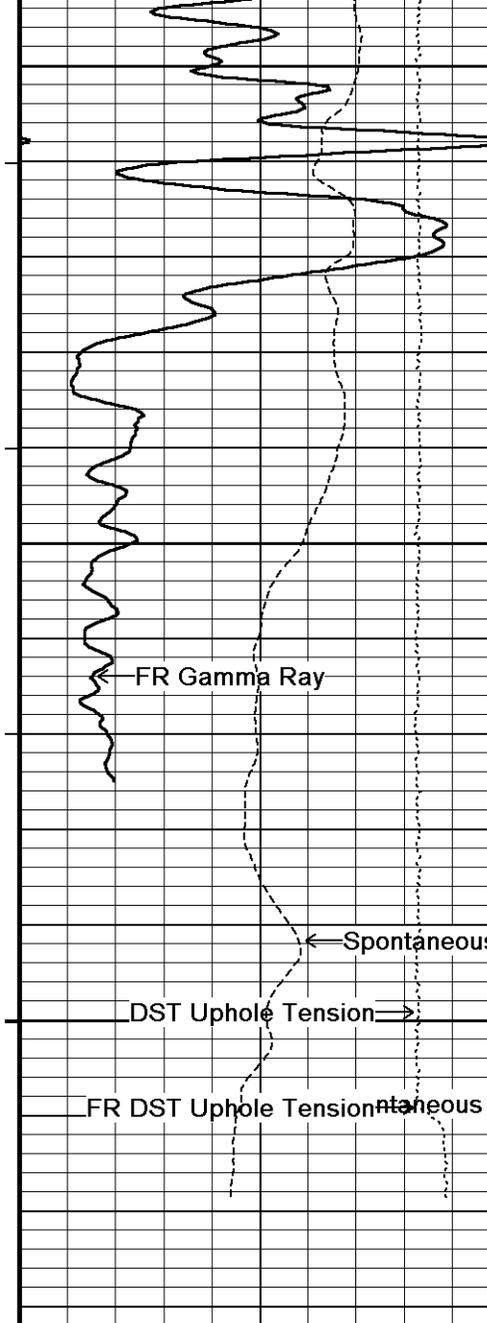
4500

108°

4550

109°





↑ REPEAT SECTION ↑

BEFORE SURVEY CALIBRATION

C:\DOCUME~1\ScheffJL\LOCALS~1\Temp\Weatherford PreView\0\Grand Mesa G & M # 1-25_003.dta

General Constants All 000

Last Edited on 15-FEB-2012 15:56

General Parameters

Mud Resistivity	1.500	ohm-metres
Mud Resistivity Temperature	85.000	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. One Res Rt
RWA Constant A	0.610
RWA Constant M	2.150

Down-hole Tension Calibration SMS 0

Field Calibration on 23-OCT-2011 04:19

Reading No	Measured	Calibrated (lbs)
1	12734.06	0.00
2	13523.27	454.00

Gamma Calibration MCG-D.K 443

Field Calibration on 15-FEB-2012 09:28

	Measured	Calibrated (API)
Background	80	53
Calibrator (Gross)	765	509
Calibrator (Net)	685	456

Gamma Constants MCG-D.K 443

Last Edited on 15-FEB-2012 15:55

Gamma Calibrator Number	grc141	
Mud Density	1.12	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl	0.00	kppm

SP Calibration MCG-D.K 443

Field Calibration on 01-FEB-2012 10:26

	Measured	Calibrated (mV)
Reference 1	100.9	100.0
Reference 2	-98.4	-100.0

High Resolution Temperature Calibration MCG-D.K 443

Field Calibration on 12-JAN-2012 09:06

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

High Resolution Temperature Constants MCG-D.K 443

Last Edited on

Pre-filter Length 11

Caliper Calibration MML-A 9

Base Calibration on 06-FEB-2012 09:52

Field Calibration on 15-FEB-2012 09:41

Base Calibration		
Reading No	Measured	Calibrator Size (in)
1	15071	5.00

1	13071	5.98
2	18450	7.97
3	21808	9.86
4	25812	11.92
5	0	0.00
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
6.00	5.98

Micro Normal and Micro Inverse Calibration MML-A 9

Base Calibration on 06-FEB-2012 09:39
Field Check on 15-FEB-2012 09:40

Base Calibration

Channel	Measured		Calibrated (ohm-m)	
	Resistor 1	Resistor 2	Resistor 1	Resistor 2
Micro Normal	12.1	59.8	2.6	12.8
Micro Inverse	15.6	78.1	1.7	8.4

Channel	Base Check (ohm-m)	Field Check (ohm-m)
Micro Normal	32.4	32.4
Micro Inverse	16.4	16.4

Micro Normal and Micro Inverse Constants MML-A 9

Last Edited on 09-FEB-2012 13:46

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 39

Base Calibration on 04-JAN-2012 14:55
Field Check on 15-FEB-2012 09:24

Base Calibration

Ratio	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	2756	86	3714	110
	32.152		33.764	

Field Calibrator at Base

Calibrated (cps)	
2384	3432
Ratio 0.695	

Field Check

Calibrated (cps)	
2372	3438
Ratio 0.690	

Neutron Constants MDN-A.B 39

Last Edited on 15-FEB-2012 15:55

Neutron Source Id	N-1095		
Neutron Jig Number	NECD117		
Epithermal Neutron	No		
Caliper Source for Processing	Density Caliper		
Stand-off	0.00	inches	
Mud Density	1.00	gm/cc	
Limestone Sigma	7.10	cu	
Sandstone Sigma	4.26	cu	
Dolomite Sigma	4.70	cu	
Formation Pressure Source	None		
Formation Pressure	N/A	kpsi	
Temperature Source	Constant Value		
Temperature	68.00	degrees F	
Mud Salinity	0.00	kppm	
Formation Fluid Salinity Source	Constant Value		
Formation Fluid Salinity	0.00	kppm	
Barite Mud Correction	Not Applied		

FE Calibration MFE-A.A 67

Base Calibration on 06-FEB-2012 10:02
Field Check on 15-FEB-2012 09:36

Base Calibration

Reference	Measured		Calibrated (ohm-m)	
	1	0.0	0.0	
2	959.8	126.8		

Base Check 280.8

Field Check 280.9

FE Constants MFE-A.A 67

Last Edited on 15-FEB-2012 15:55

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

Induction Calibration MAI-A.A 188

Base Calibration on 04-JAN-2012 13:31

Field Check on 15-FEB-2012 09:38

Base Calibration
Test Loop Calibration Measured Calibrated (mmho/m)
Channel Low High Low High
1 16.9 470.2 9.3 966.2
2 6.4 377.1 7.6 821.4
3 3.9 257.8 5.2 566.0
4 1.7 135.1 2.6 279.2

Array Temperature 66.3 Deg F

Channel Base Check (mmho/m) Field Check (mmho/m)
Low High Low High
1 0.0 0.0 13.6 3865.9
2 0.0 0.0 29.9 3582.9
3 0.0 0.0 27.9 3077.3
4 0.0 0.0 19.7 2046.0
Deep 0.0 0.0 17.2 1954.4
Medium 0.0 0.0 40.2 4112.7
Shallow 0.0 0.0 44.6 5366.5

Array Temperature 0.0 68.9 Deg F

Induction Constants MAI-A.A 188

Last Edited on 15-FEB-2012 15:56

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 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 188

Field Calibration on 12-AUG-2011 22:41

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

High Resolution Temperature Constants MAI-A.A 188

Last Edited on 21-JUN-2011 20:05

Pre-filter Length 11

Caliper Calibration MPD-B 65

Base Calibration on 06-FEB-2012 15:42

Field Calibration on 15-FEB-2012 09:35

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	14246	3.99
2	22911	5.98
3	31473	7.97
4	39776	9.86
5	48992	11.92
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
5.95	5.98

Photo Density Calibration MPD-B 65

Base Calibration on 06-FEB-2012 16:03

Field Check on 15-FEB-2012 09:33

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	58421	27705	59556	30836
Reference 2	23654	2410	24941	2541

Field Check at Base

1233.9 1179.6

Field Check

1227.5 1177.2

PE Calibration

Base Calibration	WS	Measured		Calibrated
		WH	Ratio	Ratio
Background	226	1097		
Reference 1	21385	58213	0.370	0.371
Reference 2	6241	23505	0.268	0.272

Field Check at Base

225.7 1097.3

Field Check

223.2 1088.1

Density Constants MPD-B 65

Last Edited on 15-FEB-2012 15:55

Density Source Id	P57072B	
Nylon Calibrator Number	DNCE695	
Aluminium Calibrator Number	DACD698	
Density Shoe Profile	8 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.12	gm/cc
Mud Density Z/A Multiplier	1.11	
Mud Filtrate Density	1.00	gm/cc
Dry Hole Mud Filtrate Density	1.00	gm/cc
DNCT	0.00	gm/cc
CRCT	0.00	gm/cc

Density Z/A Correction

Hybrid

Matrix Density (gm/cc)

Depth (ft)

2.71
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00

0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00

DOWNHOLE EQUIPMENT

C:\DOCUME~1\ScheffJL\LOCALS~1\Temp\Weatherford PreView\0\Grand Mesa G & M # 1-25_003.dta

MCB-A 11B Tension Cablehead
MCB-A 162 LG: 2.18 ft WT: 19.8 lb OD: 2.24 in

MCB-A 11B Tension Cablehead
MCB-A 162 LG: 2.18 ft WT: 19.8 lb OD: 2.24 in

SHA-F Compact Swivel Head Adaptor
SHA-F 88 LG: 2.74 ft WT: 26.5 lb OD: 2.24 in

SHA-F Compact Swivel Head Adaptor
SHA-F 88 LG: 2.74 ft WT: 26.5 lb OD: 2.24 in

Compact Comms Gamma
MCG-D.K 443 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

Compact Comms Gamma
MCG-D.K 443 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

Compact Micro-log
MML-A 9 LG: 7.97 ft WT: 81.6 lb OD: 2.24 in

Compact Micro-log
MML-A 9 LG: 7.97 ft WT: 81.6 lb OD: 2.24 in

Compact Neutron
MDN-A.B 39 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

Compact Neutron
MDN-A.B 39 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

Compact Density/Caliper
MPD-B 65 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

Compact Density/Caliper
MPD-B 65 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

SKJ-D.A Compact Knuckle Joint
SKJ-D.A 91 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

SKJ-D.A Compact Knuckle Joint
SKJ-D.A 91 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

Compact Focussed Electric
MFE-A.A 67 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in



45.04 ft GRGC - Gamma Ray
45.04 ft GRGC - Gamma Ray
42.13 ft CGXT - MCG External Temperature
42.13 ft CGXT - MCG External Temperature

35.41 ft MINV - Micro-inverse
35.41 ft MNRL - Micro-normal
36.40 ft MLTC - MML Caliper
35.41 ft MINV - Micro-inverse
35.41 ft MNRL - Micro-normal
36.40 ft MLTC - MML Caliper

30.61 ft NPRL - Limestone Neutron Por.
30.61 ft NPRL - Limestone Neutron Por.

23.37 ft AVOL - Annular Volume
23.37 ft HVOL - Hole Volume
23.37 ft CLDC - Density Caliper
23.37 ft AVOL - Annular Volume
23.37 ft HVOL - Hole Volume
23.37 ft CLDC - Density Caliper
21.44 ft DPRL - Limestone Density Por.
21.44 ft DEN - Compensated Density
21.44 ft DCOR - Density Correction
21.44 ft DCOR - Density Correction
21.44 ft DPRL - Limestone Density Por.
21.44 ft DEN - Compensated Density
21.38 ft PDPE - PE
21.38 ft PDPE - PE

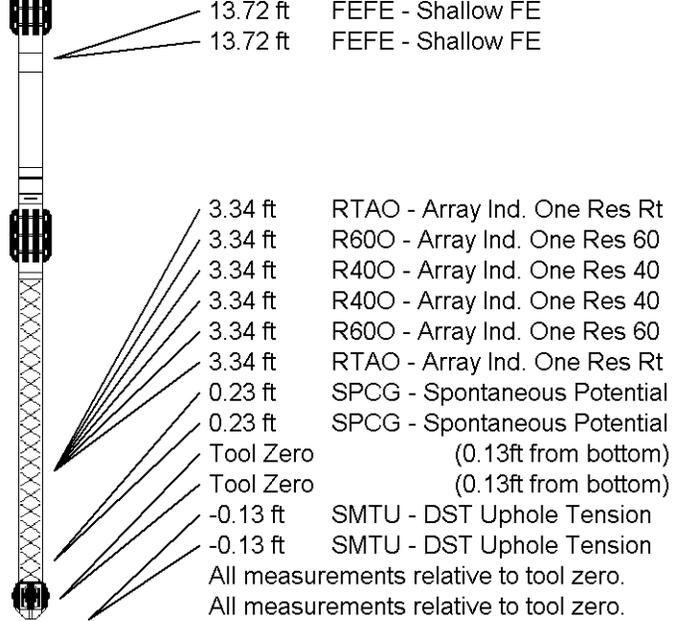
Compact Focused Electric
MFE-A.A 67 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

Compact Induction
MAI-A.A 188 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Compact Induction
MAI-A.A 188 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Total Length: 55.24 ft Weight: 454.2 lb

Total Length: 55.24 ft Weight: 454.2 lb



COMPANY GRAND MESA OPERATING COMPANY
WELL G & M # 1-25
FIELD WILDCAT
PROVINCE/COUNTY LOGAN
COUNTRY/STATE U.S.A. / KANSAS

Elevation Kelly Bushing	3009.00	feet	First Reading	4706.00	feet
Elevation Drill Floor	3007.00	feet	Depth Driller	4710.00	feet
Elevation Ground Level	3004.00	feet	Depth Logger	4709.00	feet



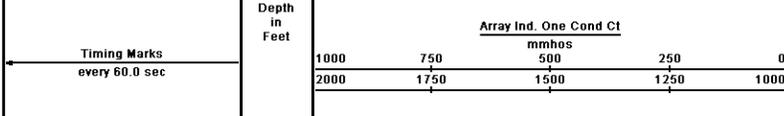
Weatherford[®]

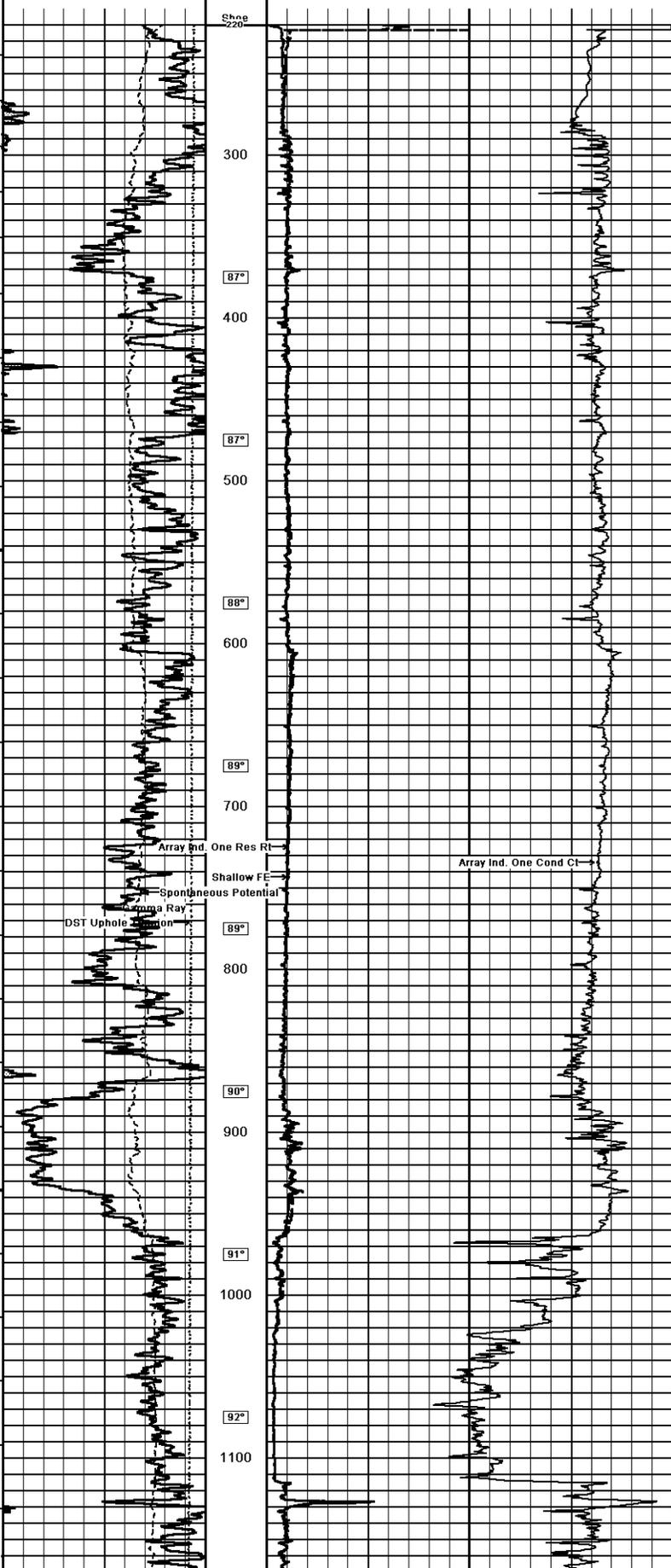
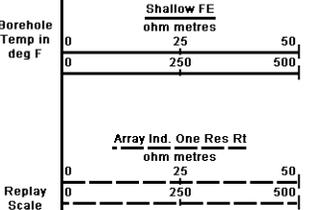
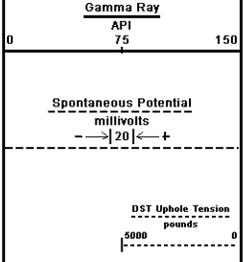
**ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG**

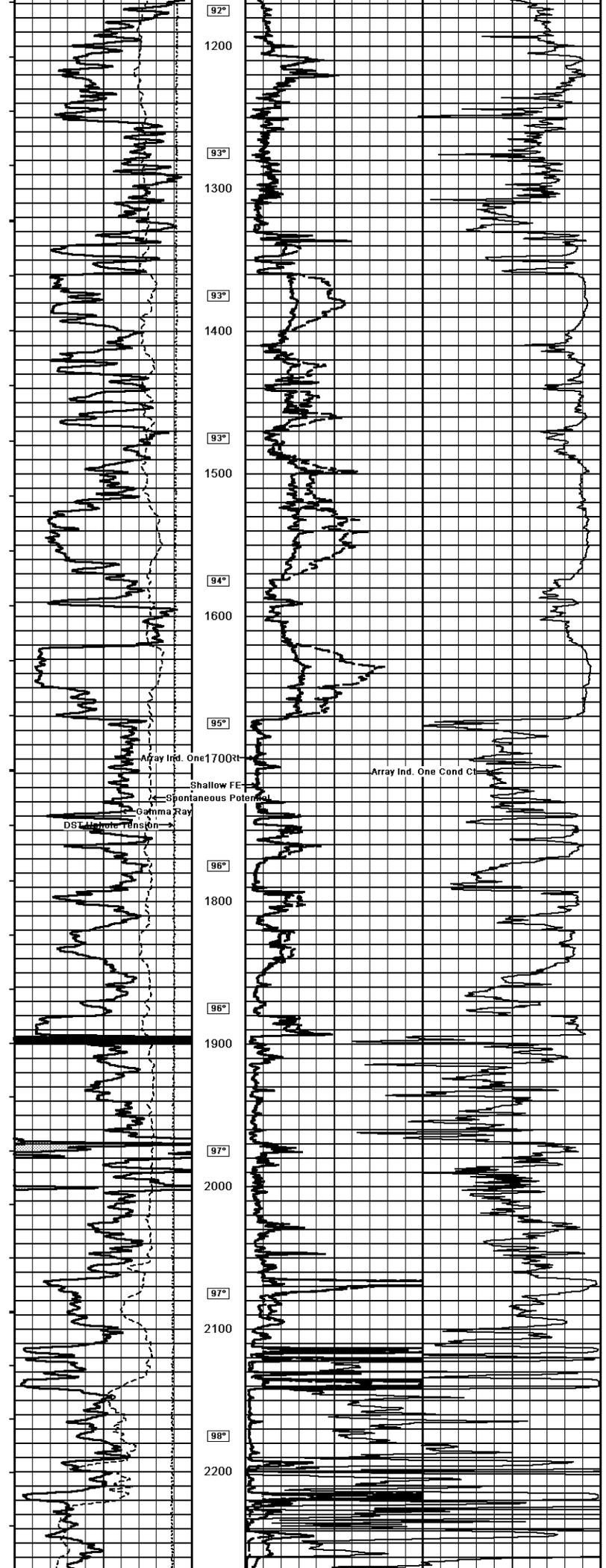


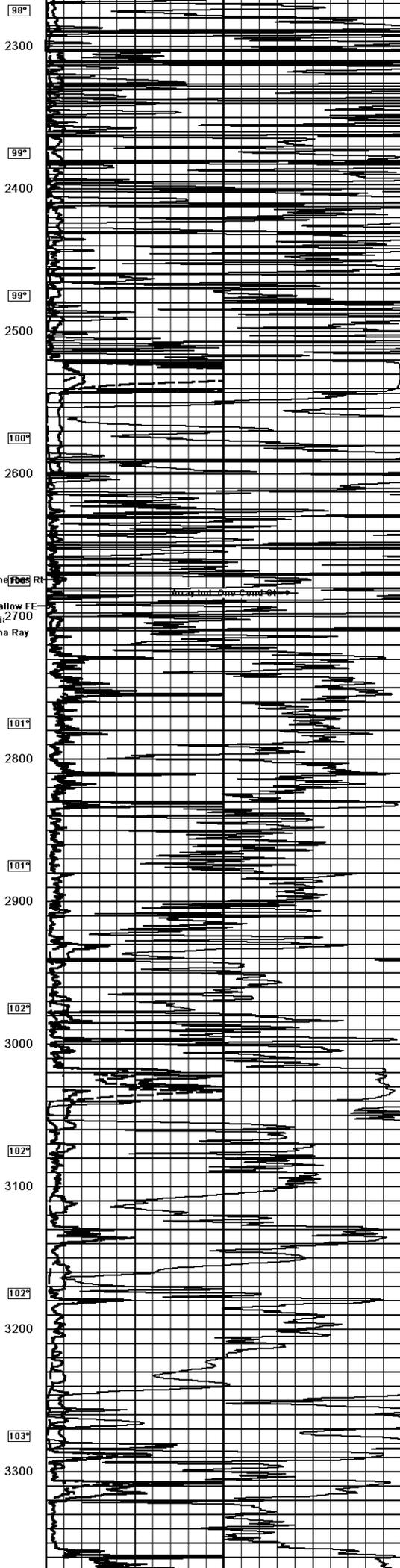
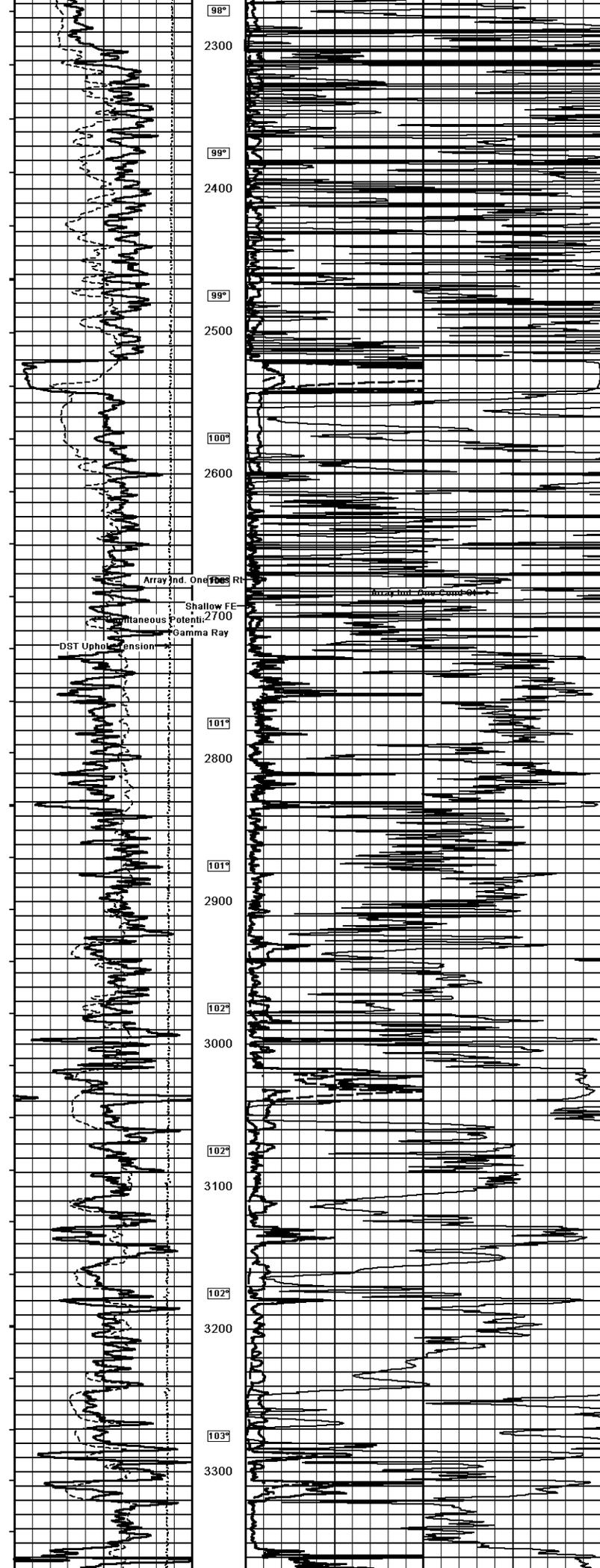
Weatherford		ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG	
COMPANY: GRAND MESA OPERATING COMPANY WELL: G & M # 1-25 FIELD: WILDCAT PROVINCE/COUNTY: LOGAN COUNTRY/STATE: U.S.A. / KANSAS LOCATION: 1050' FNL & 1290' FWL SE SE NW NW			
SEC: 25	TRAP: 128	REF: 32W	Other Services: MFL/INDN
Well Number: 15-109-21074	Well Name: MFL	Permanet Datum O.L. Elevation 3004 feet	Log Measured from KB
Run Number: ONE	Date: 15-FEB-2012	Run Number: ONE	Date: 15-FEB-2012
Depth Driller: 4710.00	feet	Depth Driller: 4710.00	feet
Depth Logger: 4709.00	feet	Depth Logger: 4709.00	feet
First Reading: 4706.00	feet	First Reading: 4706.00	feet
Last Reading: 220.00	feet	Last Reading: 220.00	feet
Casing Driller: 220.00	feet	Casing Driller: 220.00	feet
Casing Logger: 220.00	feet	Casing Logger: 220.00	feet
Bit Size: 7.875	inches	Bit Size: 7.875	inches
Fluid Type: CHEMICAL		Fluid Type: CHEMICAL	
Density/Viscosity: 9.30 / 100(Sg)	53.00 / 6.40	Density/Viscosity: 9.30 / 100(Sg)	53.00 / 6.40
PH/Fluid Loss: FLOWLINE		PH/Fluid Loss: FLOWLINE	
Sample Source: Fm @ Measured Temp	1.50 @ 85.0	Sample Source: Fm @ Measured Temp	1.50 @ 85.0
Fm @ Measured Temp: 1.20 @ 85.0	ohm-in	Fm @ Measured Temp: 1.20 @ 85.0	ohm-in
Fm @ Measured Temp: 1.80 @ 85.0	ohm-in	Fm @ Measured Temp: 1.80 @ 85.0	ohm-in
Source Fm/Fm: CALC		Source Fm/Fm: CALC	
Fm @ BHT: 1.17 @ 110.0	ohm-in	Fm @ BHT: 1.17 @ 110.0	ohm-in
Time since Circulation: 5 HOURS		Time since Circulation: 5 HOURS	
Max Recorded Temp: 110.00	deg F	Max Recorded Temp: 110.00	deg F
Equipment Name: COMPACT		Equipment Name: COMPACT	
Equipment Base: 13096	LB	Equipment Base: 13096	LB
Recorded by: A. GONZALEZ		Recorded by: A. GONZALEZ	
Witnessed by: BOB SCHREIBER		Witnessed by: BOB SCHREIBER	
COI/JOE #: 3534703		COI/JOE #: 3534703	
		Elevations: 3009.00 / 3007.00 / 3004.00	

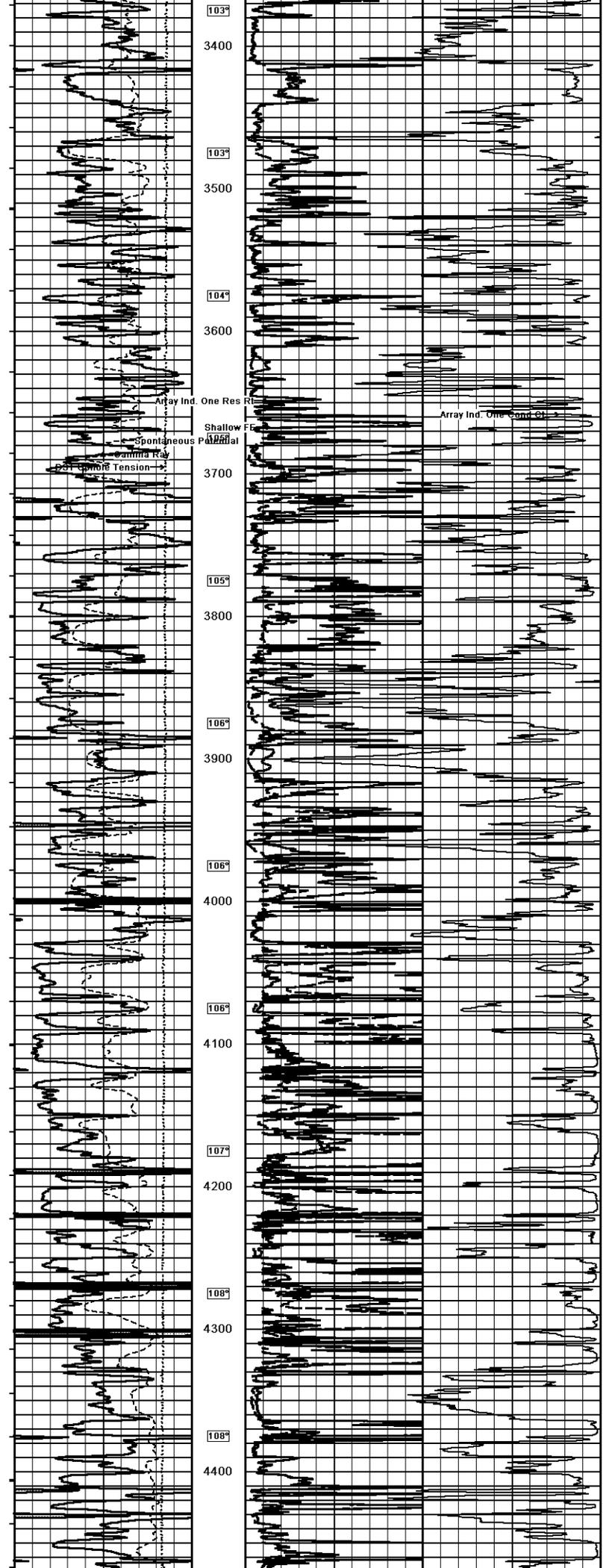
1 INCH MAIN
 Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 29-FEB-2012 07:25
 Filename: C:\DOCUME~1\Scheff\JLLOCALS~1\Temp\Weatherford Pr...Grand Mesa G & M # 1-25_003.dat
 Recorded on 15-FEB-2012 18:05
 System Versions: Logged with 11.03.4044 Plotted with 12.01.3513

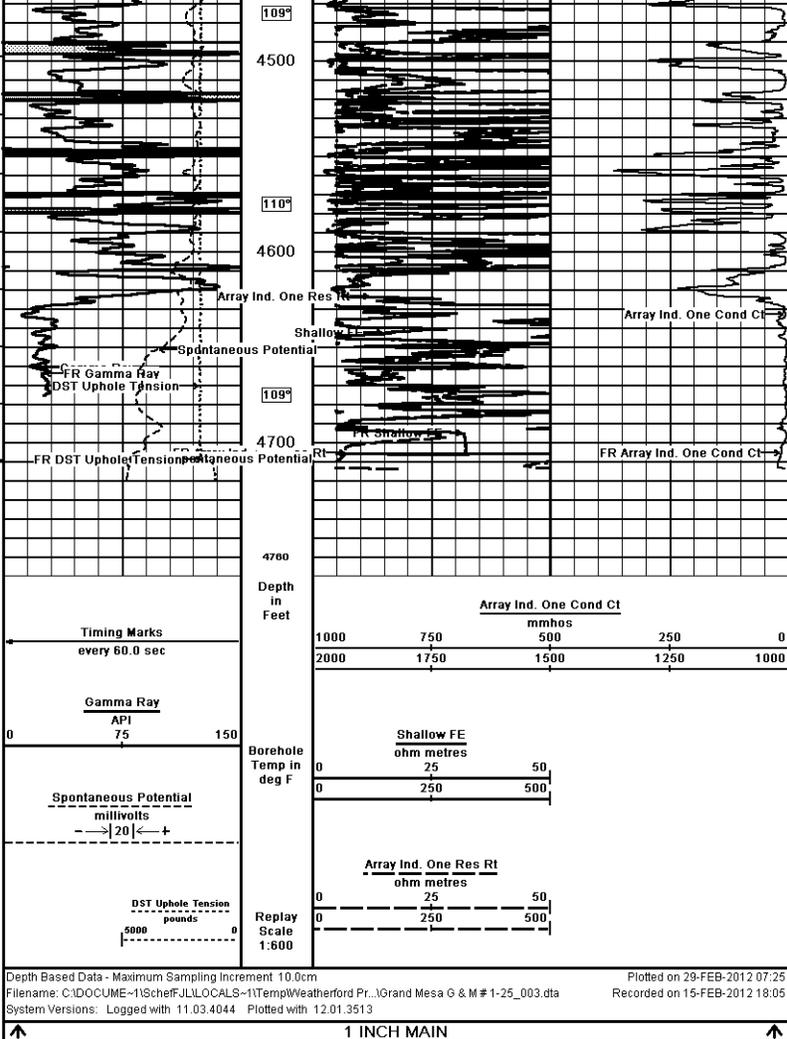












COMPANY GRAND MESA OPERATING COMPANY	
WELL G & M # 1-25	
FIELD WILDCAT	
PROVINCE/COUNTY LOGAN	
COUNTRY/STATE U.S.A. / KANSAS	
Elevation Kelly Bushing 3009.00 feet Elevation Drill Floor 3007.00 feet Elevation Ground Level 3004.00 feet	First Reading 4706.00 feet Depth Driller 4710.00 feet Depth Logger 4709.00 feet
 ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG	
	