



**ARRAY INDUCTION
SHALLOW FOCUSSED
ELECTRIC LOG**

COMPANY **SAMUEL GARY JR. & ASSOCIATES, INC.**
 WELL **DOME LIVING TRUST ET AL #1-8**
 FIELD **WILDCAT**
 PROVINCE/COUNTY **RUSH**
 COUNTRY/STATE **U.S.A. / KANSAS**
 LOCATION **1760' FNL & 580' FEL
SW NE SE NE**

SEC **8** TWP **16S** RGE **16W** Other Services
 MDP/MDN
 MML MSS
 API Number **15-165-21881**
 Permit Number
 Permanent Datum G.L., Elevation 1930 feet
 Log Measured From K.B. @ 10 FEET above Permanent Datum
 Drilling Measured From K.B.

| | | | |
|------------------------|---------------|---------------|---------|
| Date | 10-JUN-2010 | Elevations: | feet |
| Run Number | ONE | KB | 1940.00 |
| Depth Driller | 3600.00 | DF | 1939.00 |
| Depth Logger | 3593.00 | GL | 1930.00 |
| First Reading | 3590.00 | | |
| Last Reading | 1081.00 | | |
| Casing Driller | 1083.00 | | |
| Casing Logger | 1081.00 | | |
| Bit Size | 7.875 | | |
| Hole Fluid Type | CHEMICAL | | |
| Density / Viscosity | 9.20 lb/USg | 54.00 CP | |
| PH / Fluid Loss | 10.00 | 8.00 ml/30Min | |
| Sample Source | FLOWLINE | | |
| Rm @ Measured Temp | 0.81 @ 88.0 | ohm-m | |
| Rmf @ Measured Temp | 0.65 @ 88.0 | ohm-m | |
| Rmc @ Measured Temp | 0.97 @ 88.0 | ohm-m | |
| Source Rmf / Rmc | CALC | CALC | |
| Rm @ BHT | 0.68 @ 105.0 | ohm-m | |
| Time Since Circulation | 4 HOURS | | |
| Max Recorded Temp | 105.00 | deg F | |
| Equipment Name | COMPACT | | |
| Equipment / Base | 13057 | LIB | |
| Recorded By | LYNN SCOTT | | |
| Witnessed By | RODNEY NAPIER | | |
| S.O.# / JOB# | 3518961 | | |

| BOREHOLE RECORD | | | Last Edited: 10-JUN-2010 21:23 |
|--------------------|--------------------|------------------|--------------------------------|
| Bit Size inches | Depth From feet | Depth To feet | |
| 7.875 | 1081.00 | 3593.00 | |

| CASING RECORD | | | | |
|---------------|----------------|--------------------|--------------------|---------------------|
| Type | Size inches | Depth From feet | Shoe Depth feet | Weight pounds/ft |
| SURFACE | 8.625 | 0.00 | 1081.00 | 24.00 |

REMARKS

Tools Used: MAI, MPD, MCG, MDN, MML, MFE, SKJ, MSS
 Hardware: MPD: 8 inch profile plate. MAI MSS and MFE: 0.5 Inch standoffs used. MDN: Dual Bowspring used.
 2.71 G/CC Limestone density matrix used to calculate porosity.
 Sonic porosity calculated on a Limestone scale (47.5 usec/ft).
 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= 381cu. ft.
 Service order #3518961
 Rig: Val Rig #6
 Engineer: L. Scott
 Operator(s): B. Reeves, B. Johnson

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 Pass

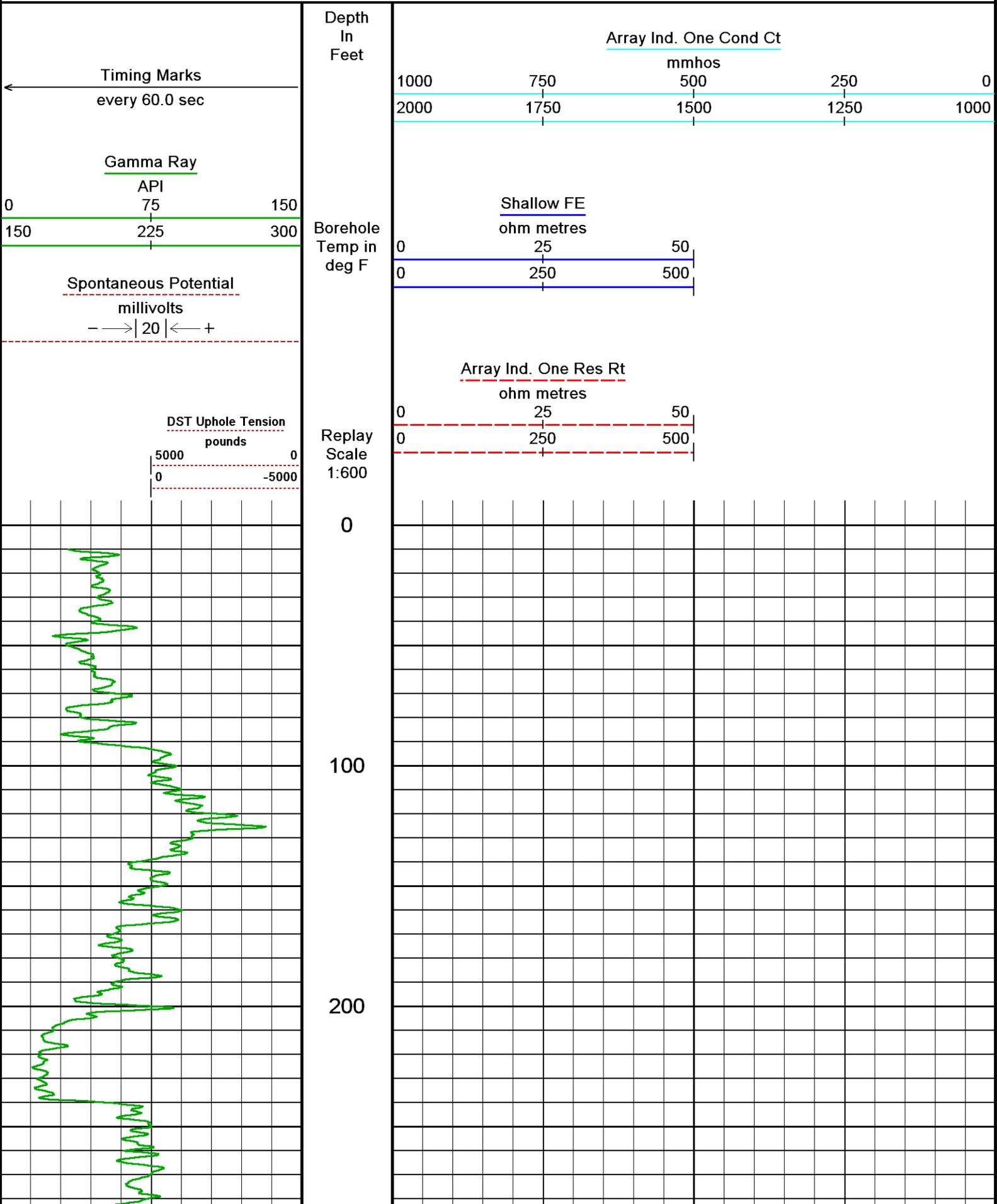
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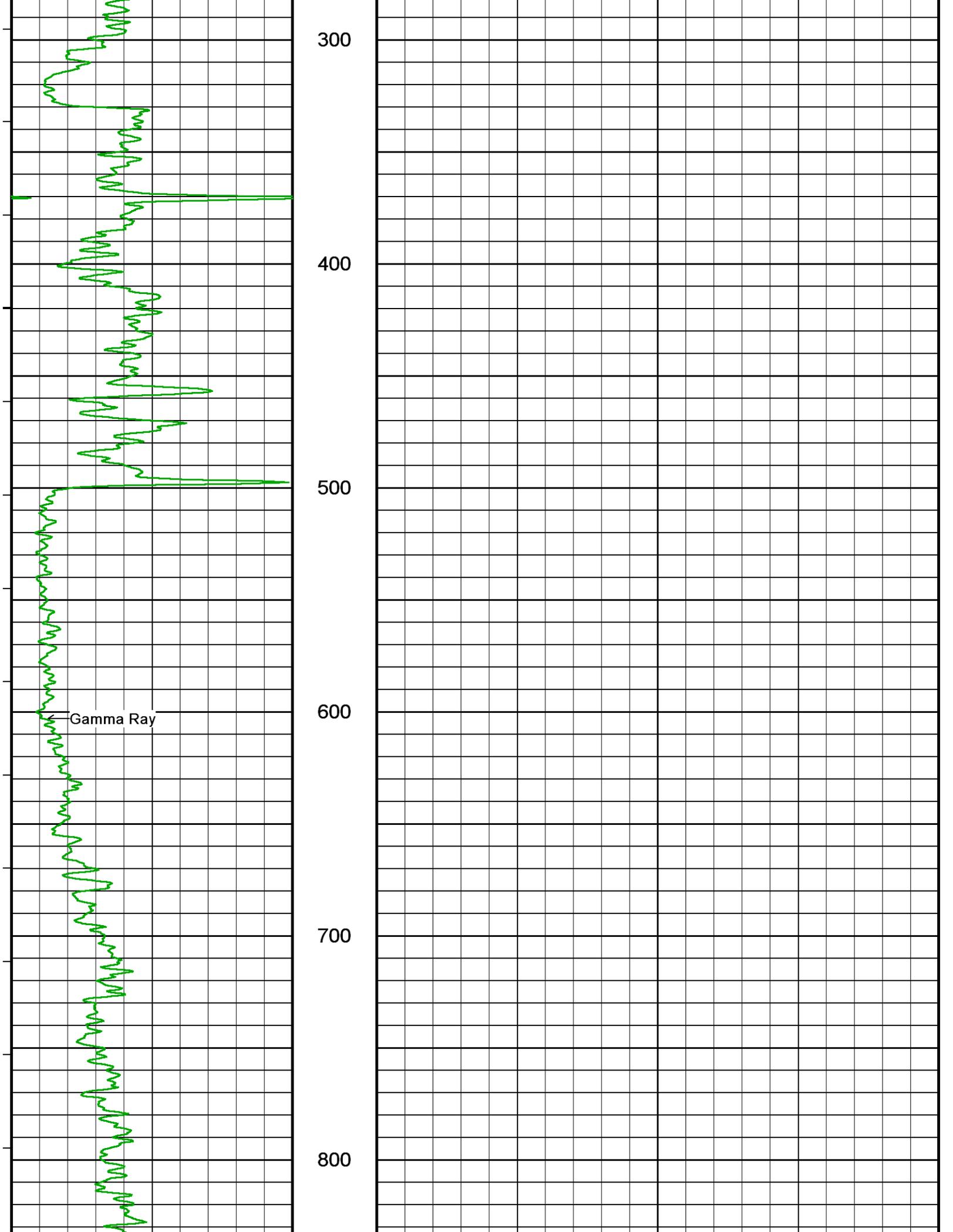
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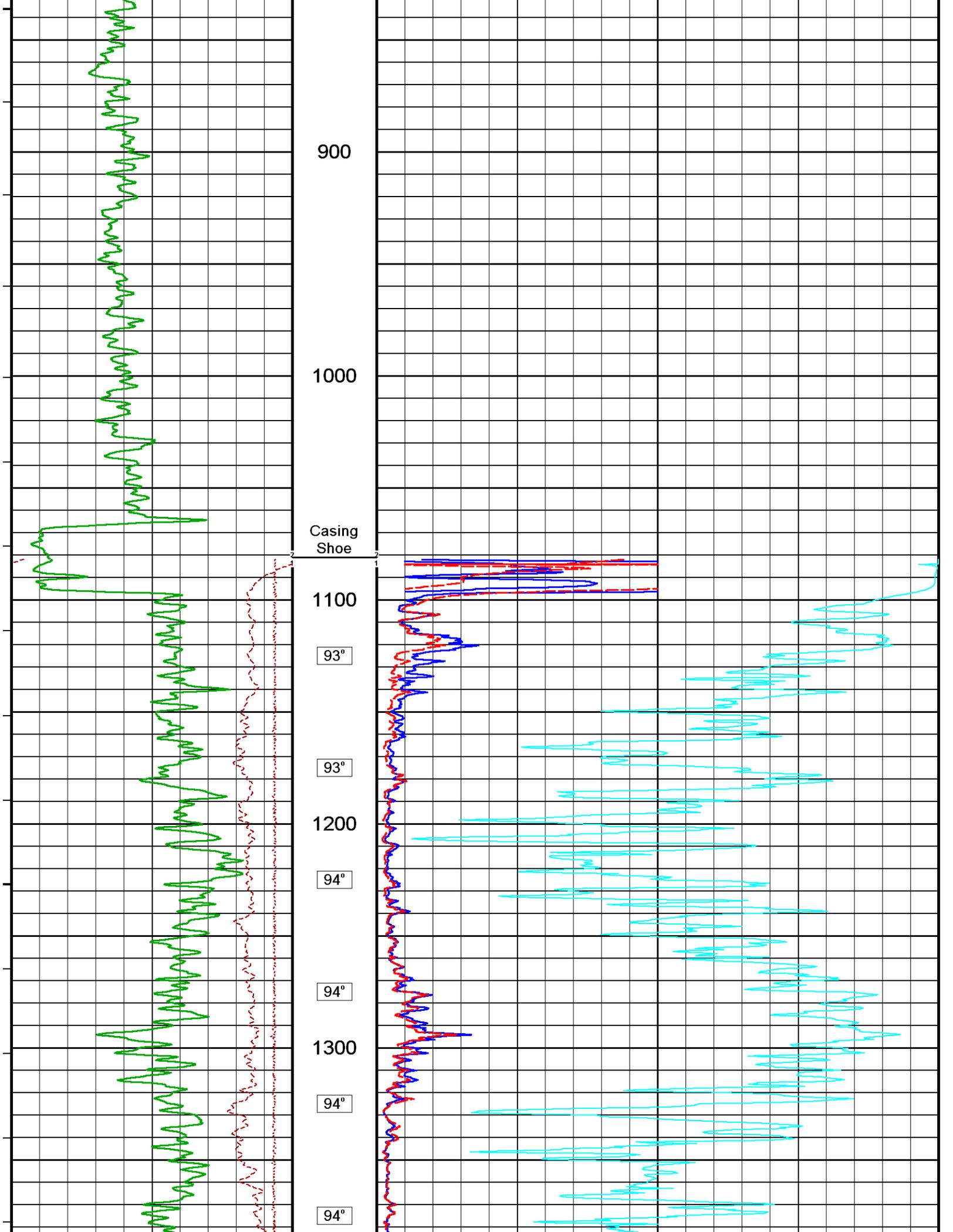
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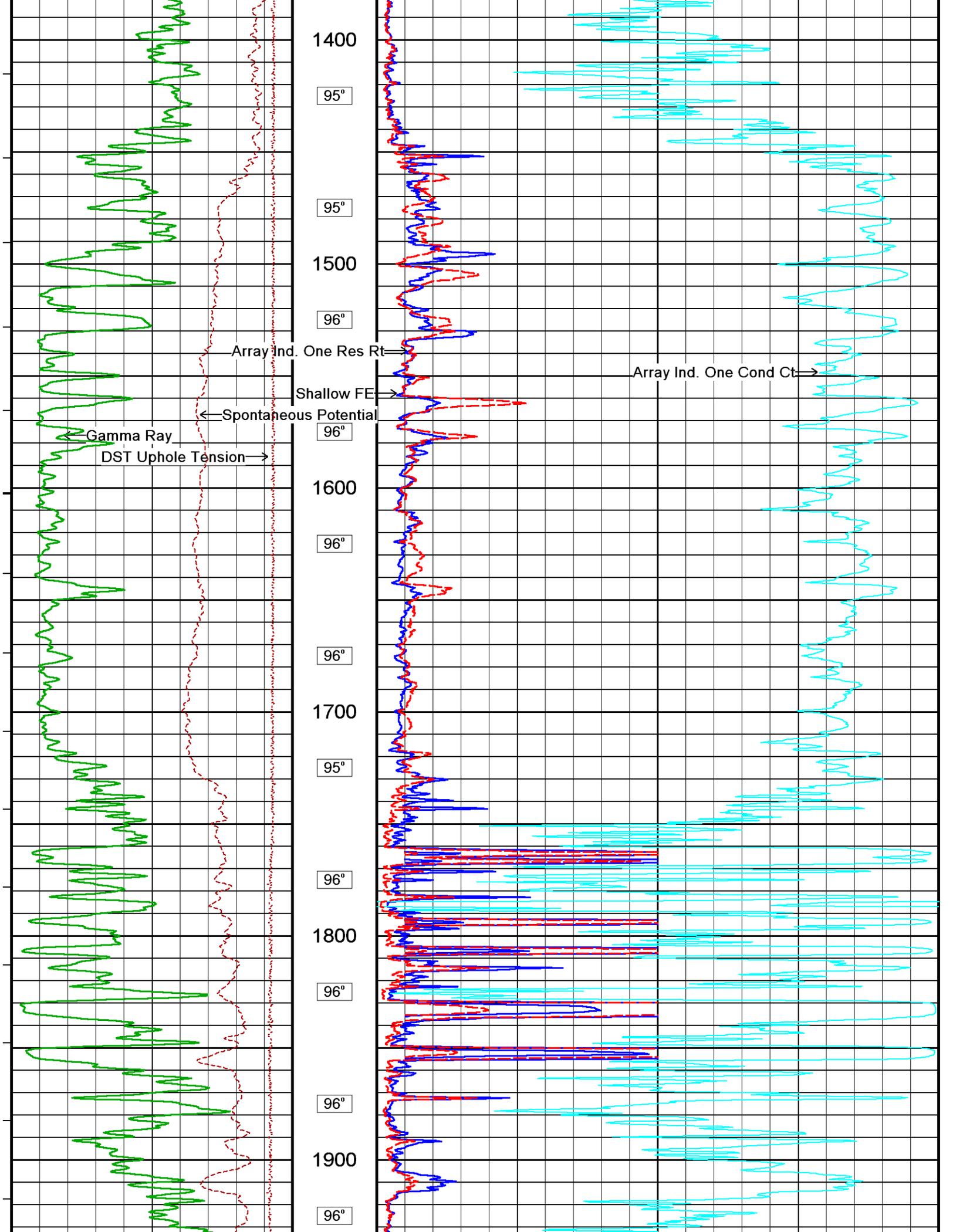
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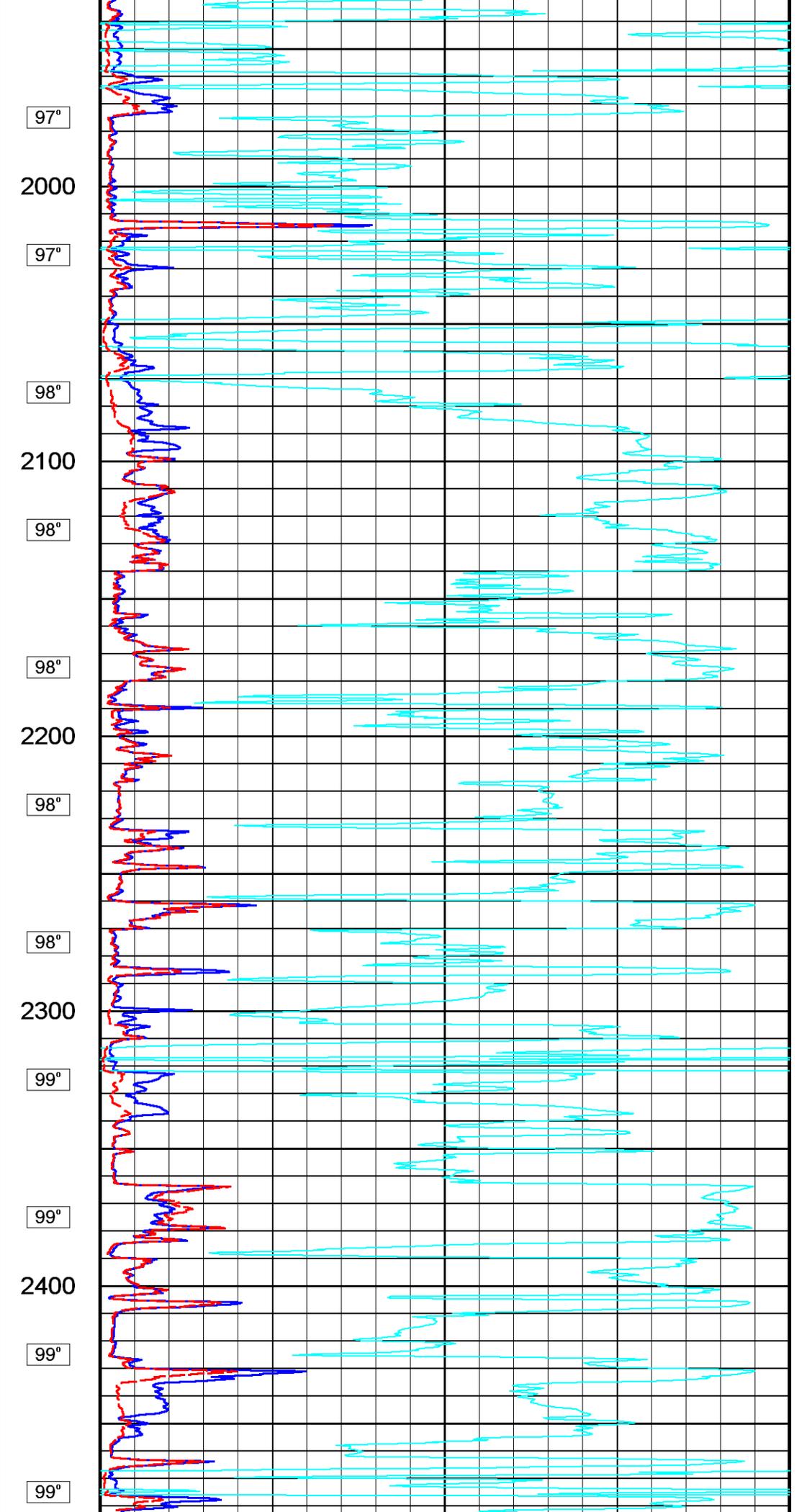
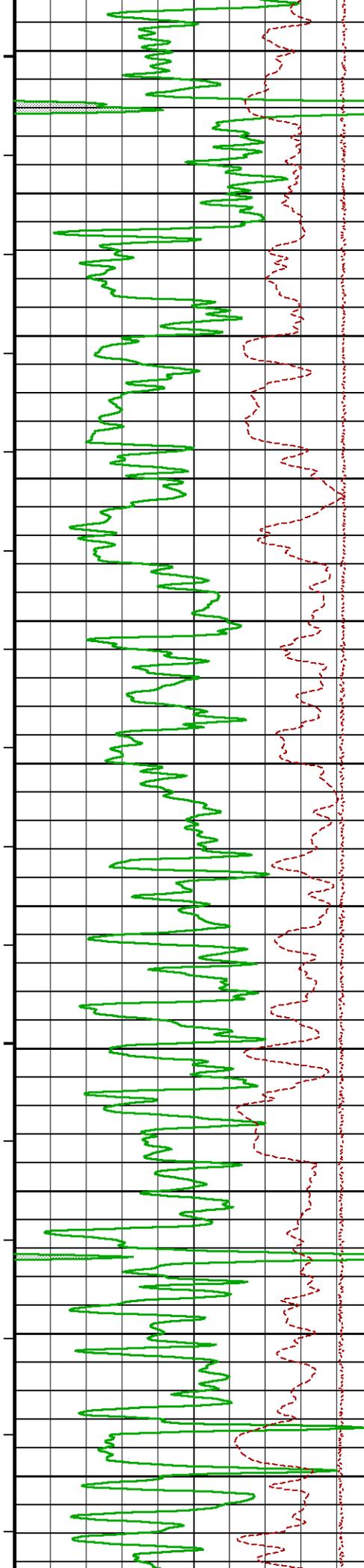
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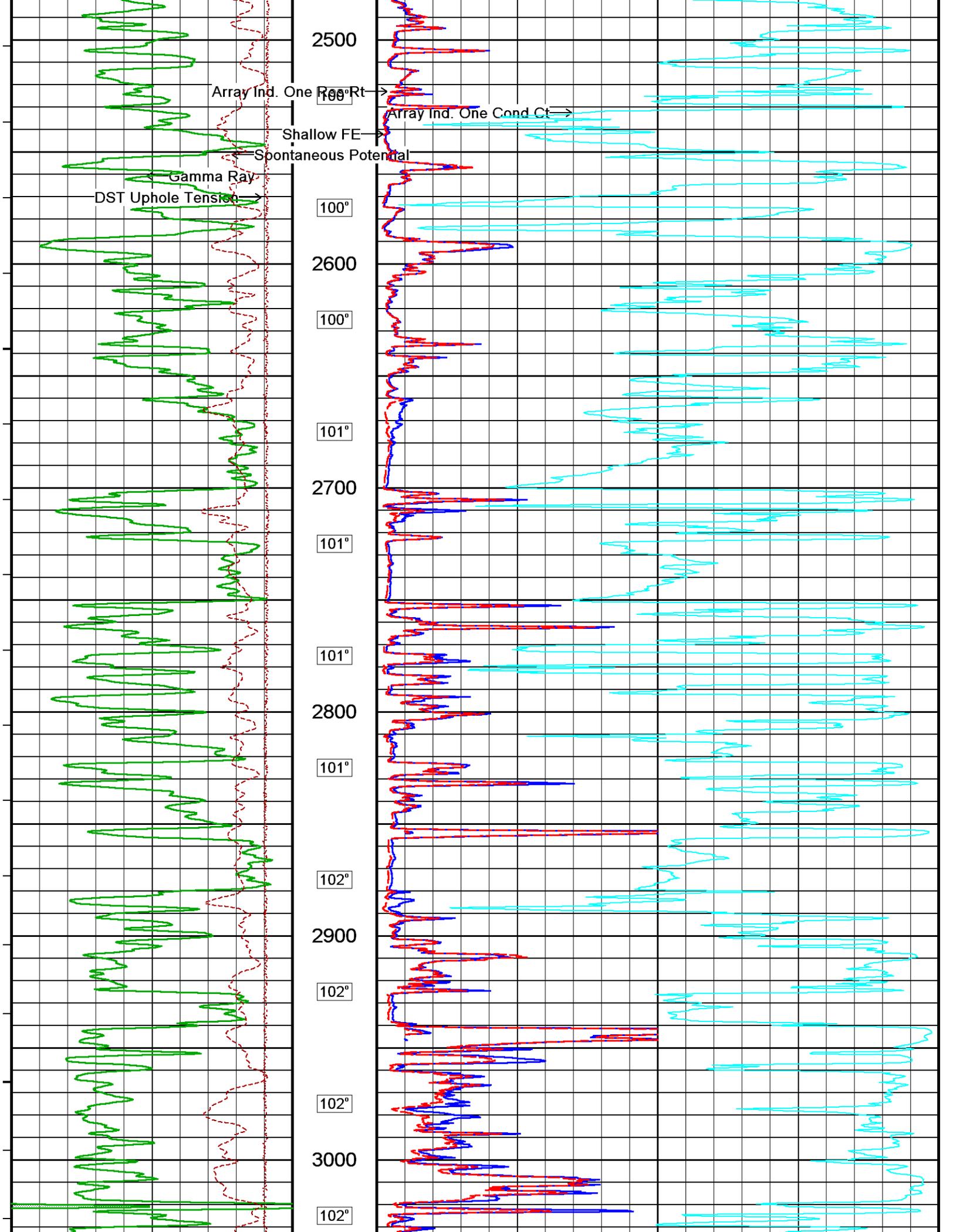


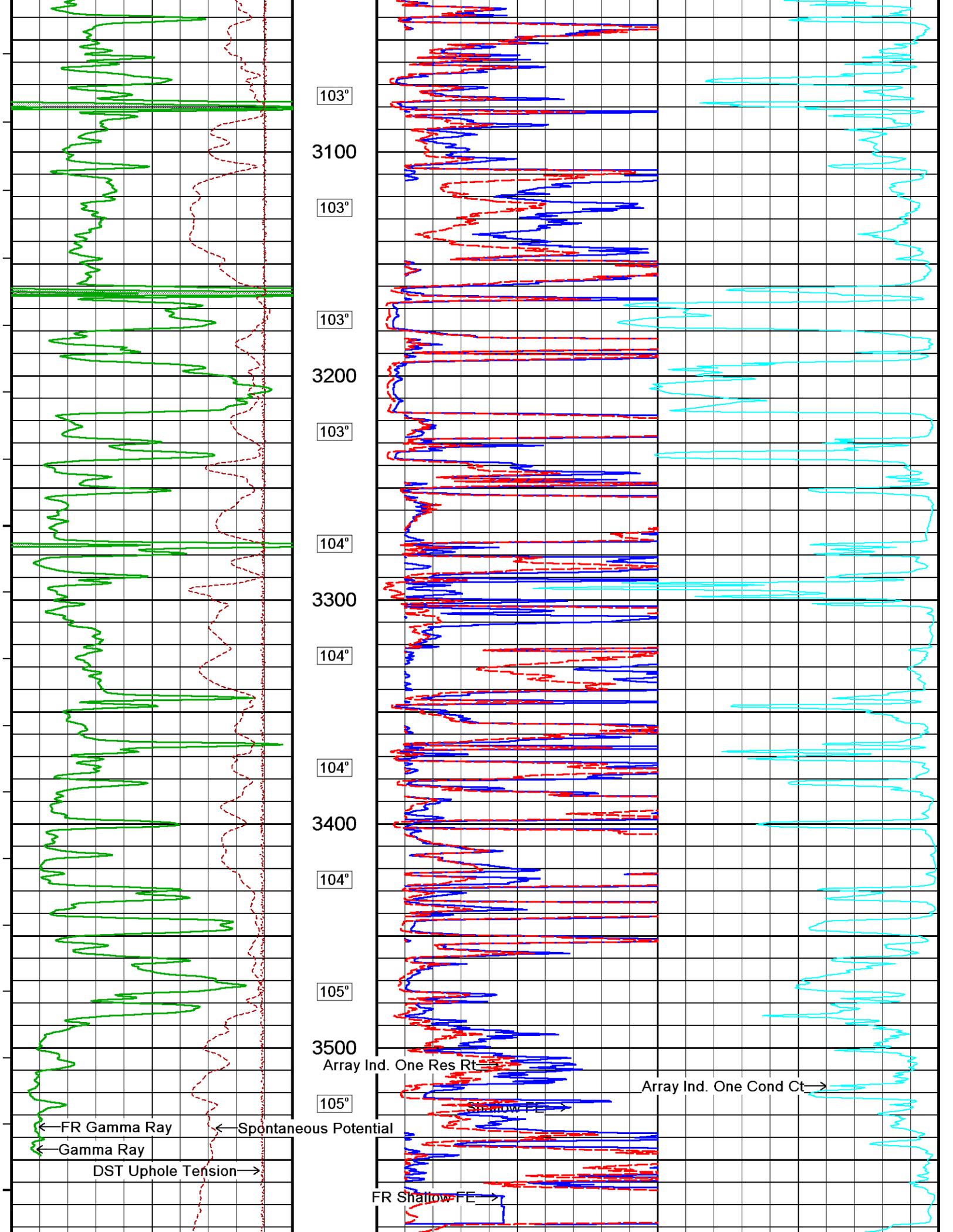


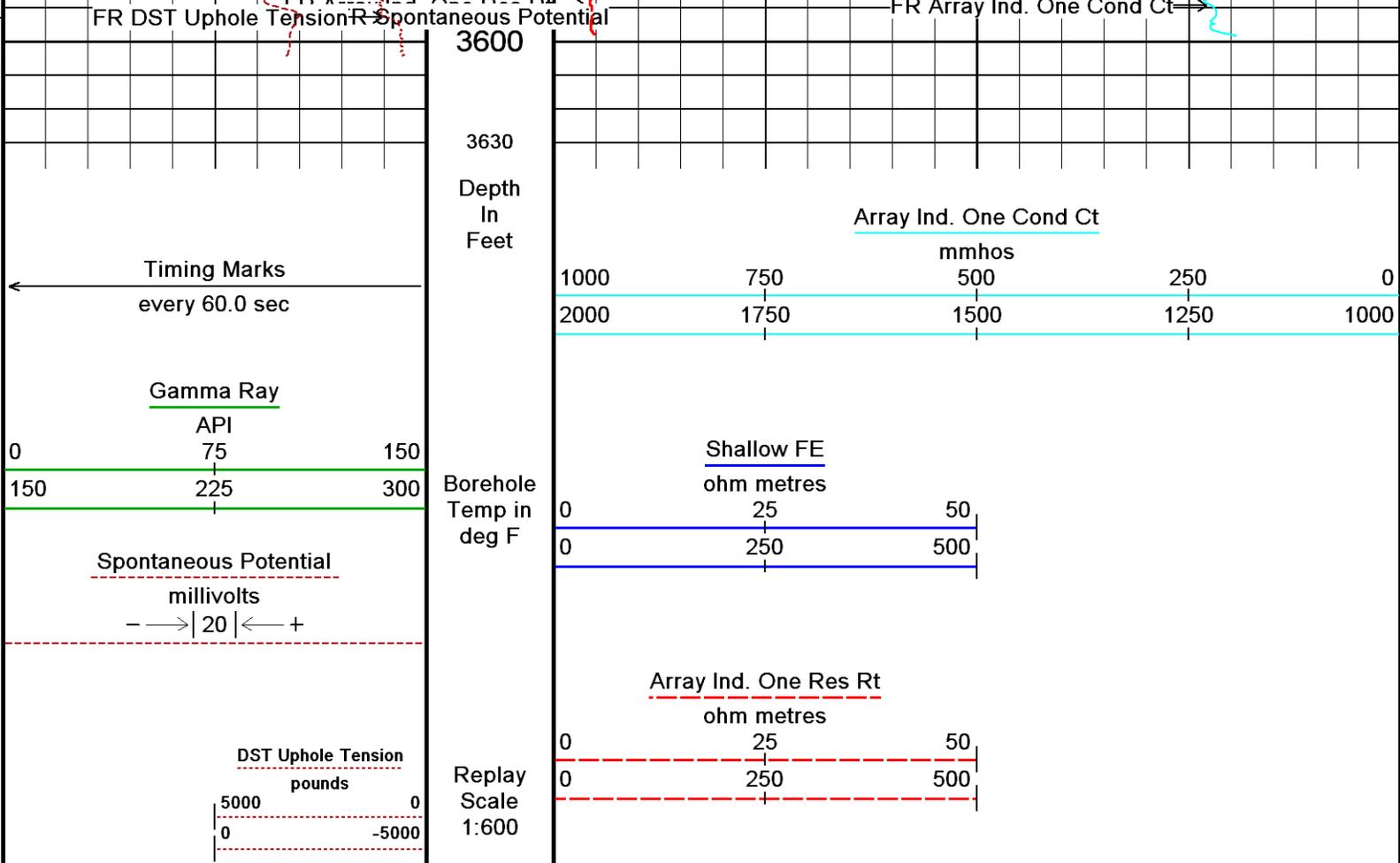












Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 11-JUN-2010 10:27

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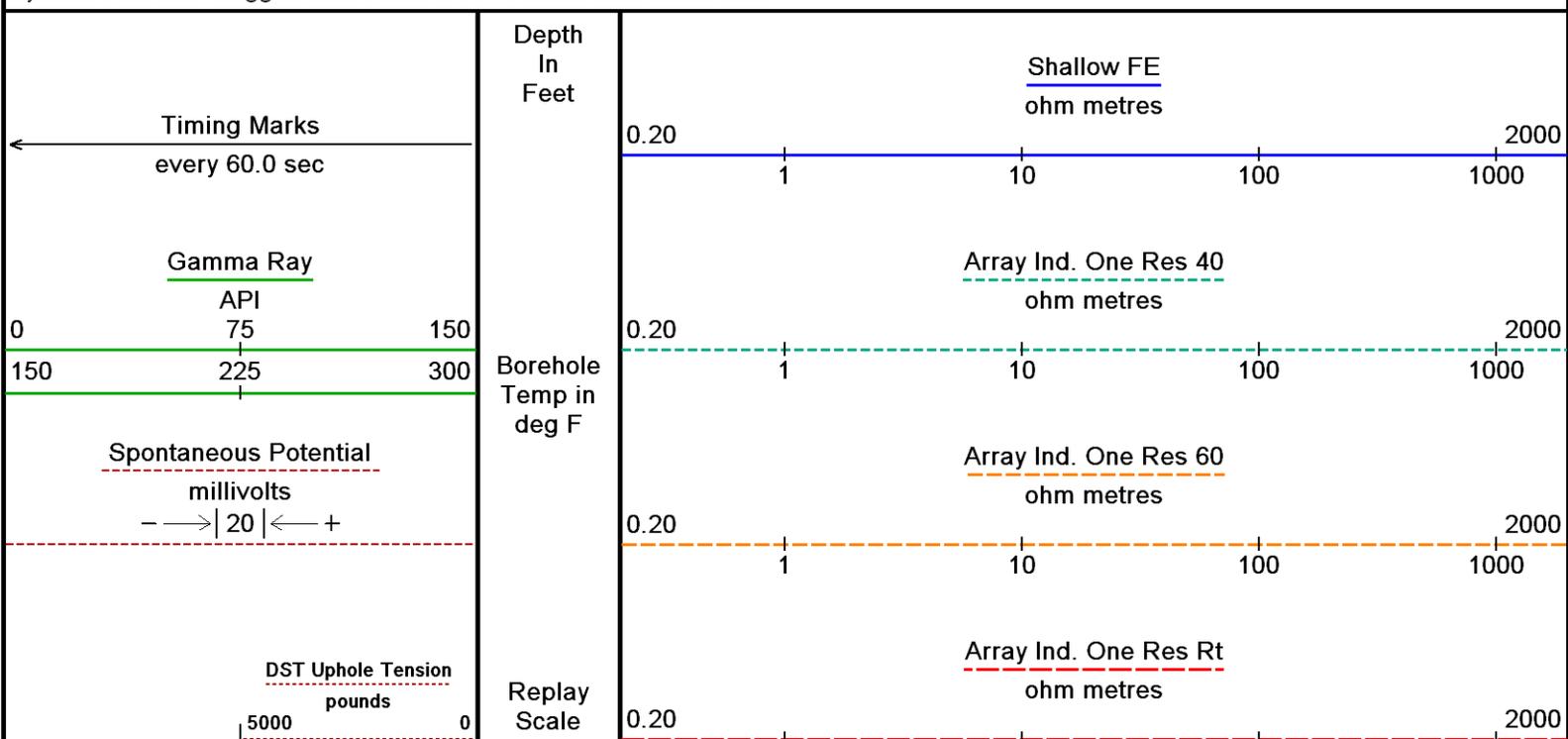
2 Inch Main Pass

5 Inch Main Pass

Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 11-JUN-2010 10:27

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System Versions: Logged with 10.08.1568 Plotted with 10.01.0282



0 -5000

1:240

1

10

100

1000

0

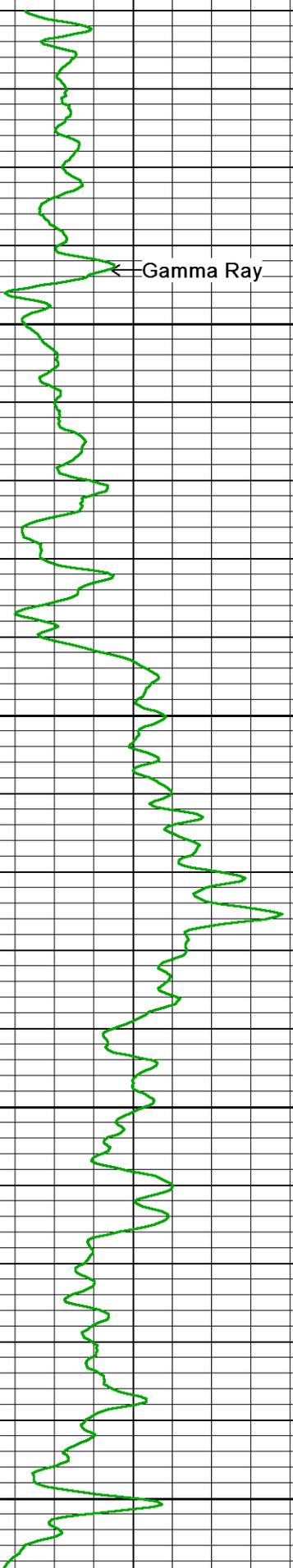
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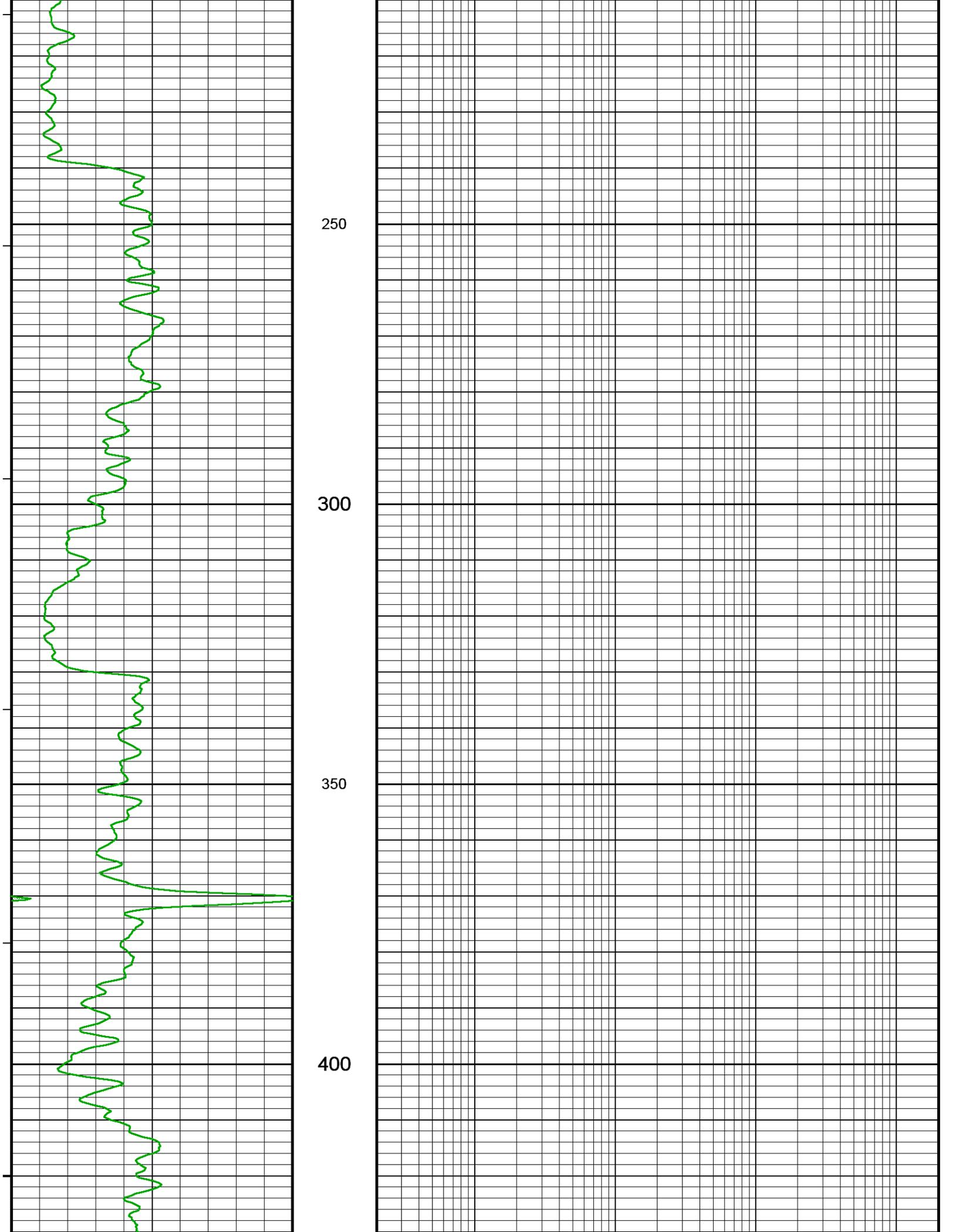
100

150

200

← Gamma Ray





← Gamma Ray

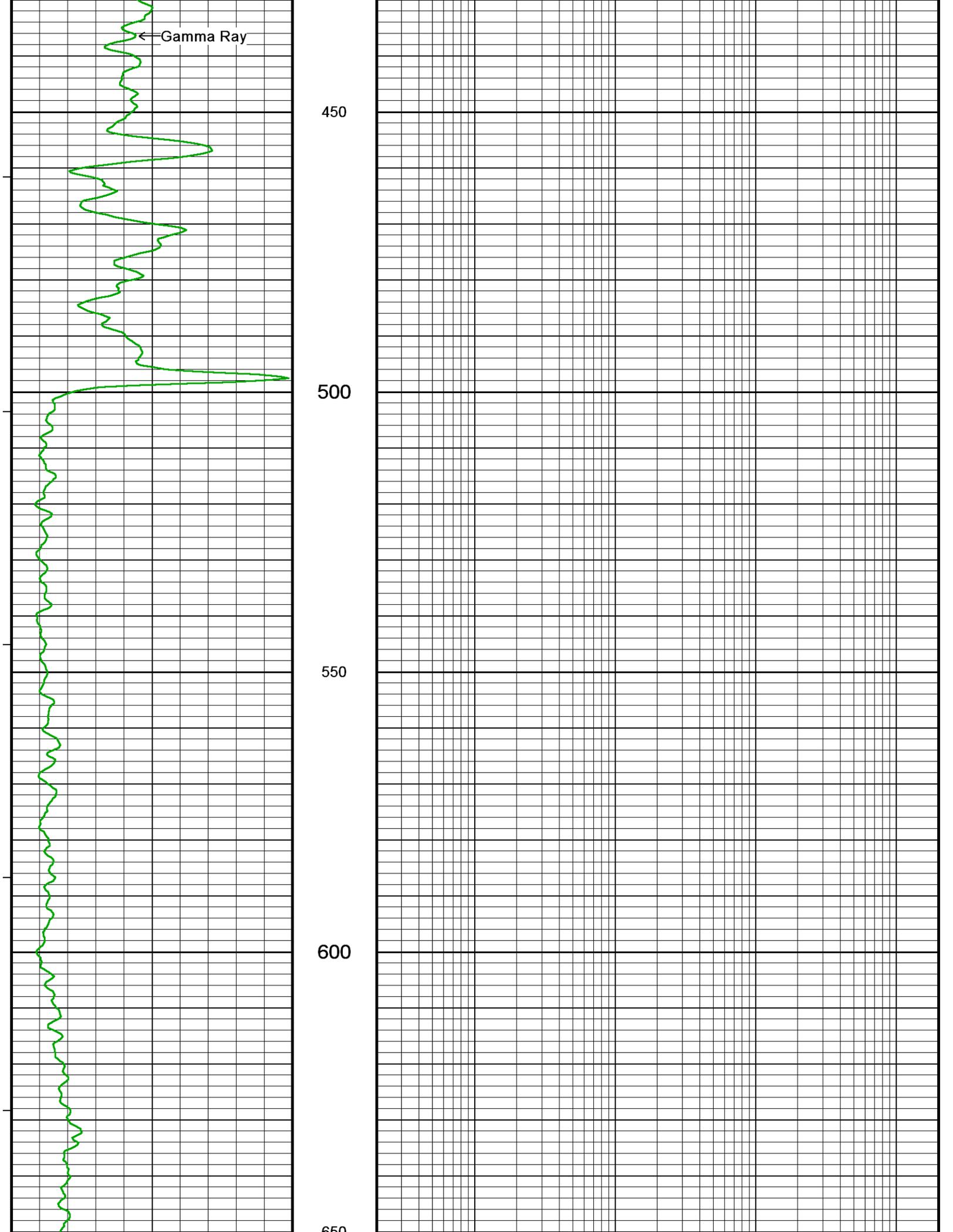
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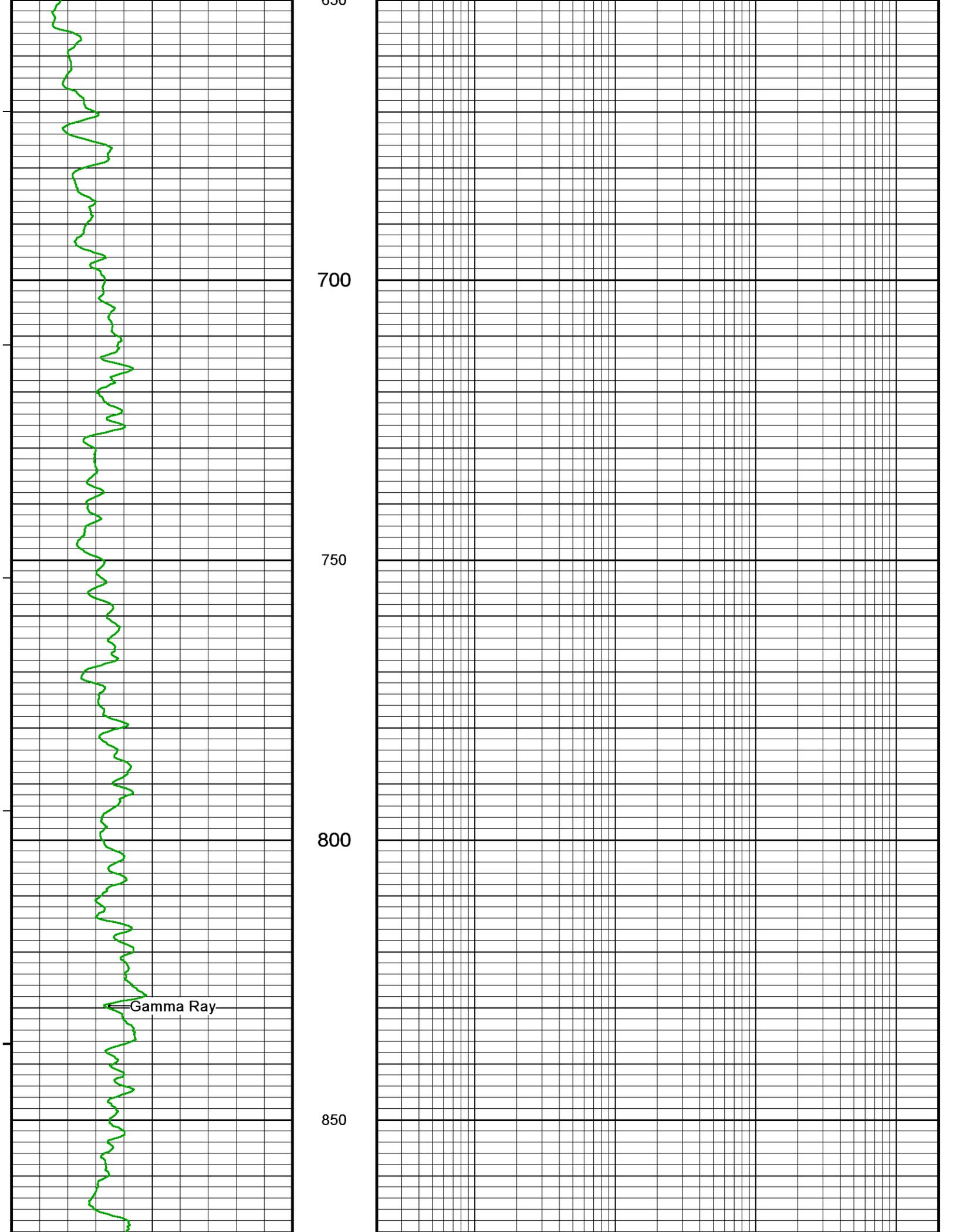
500

550

600

650





650

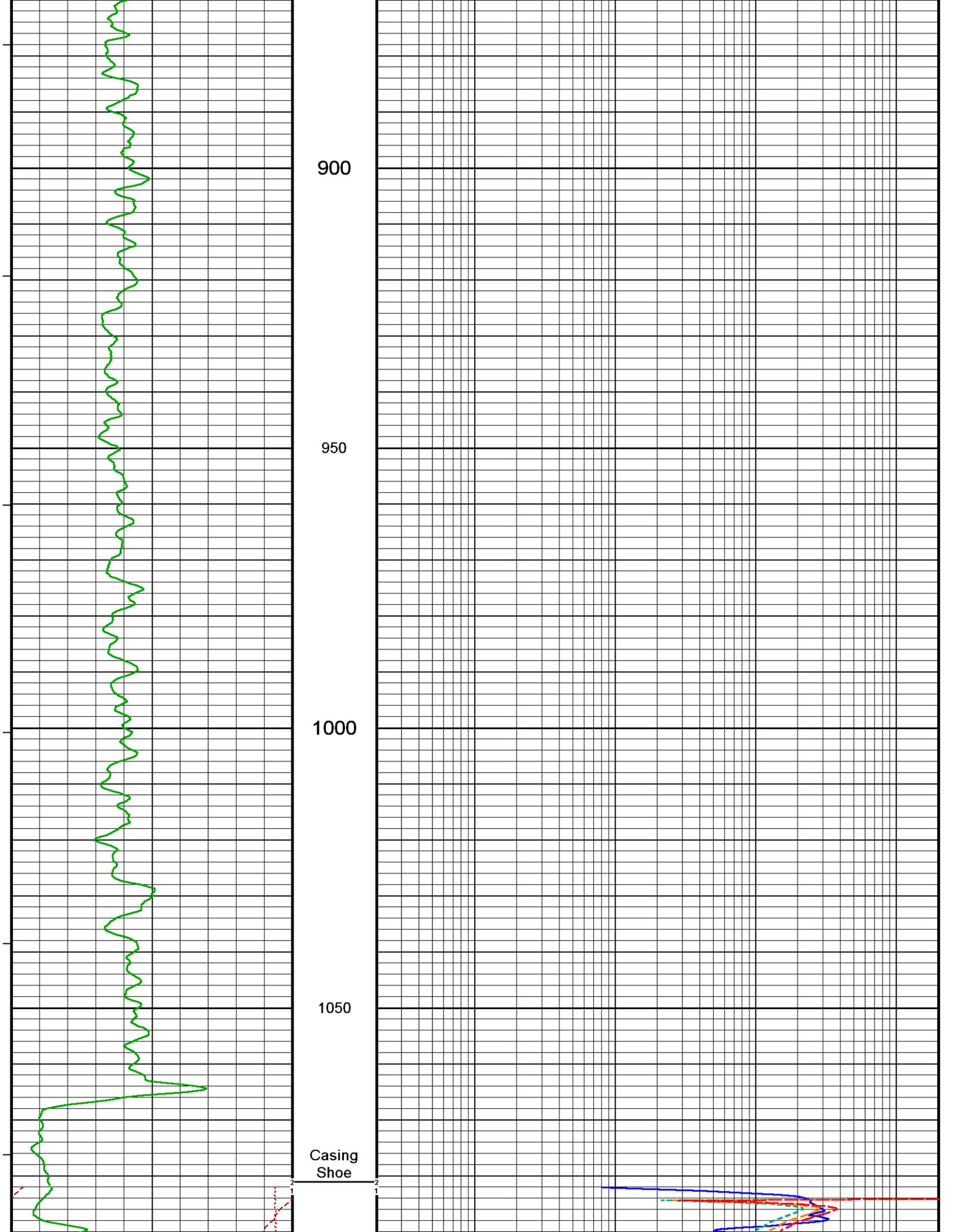
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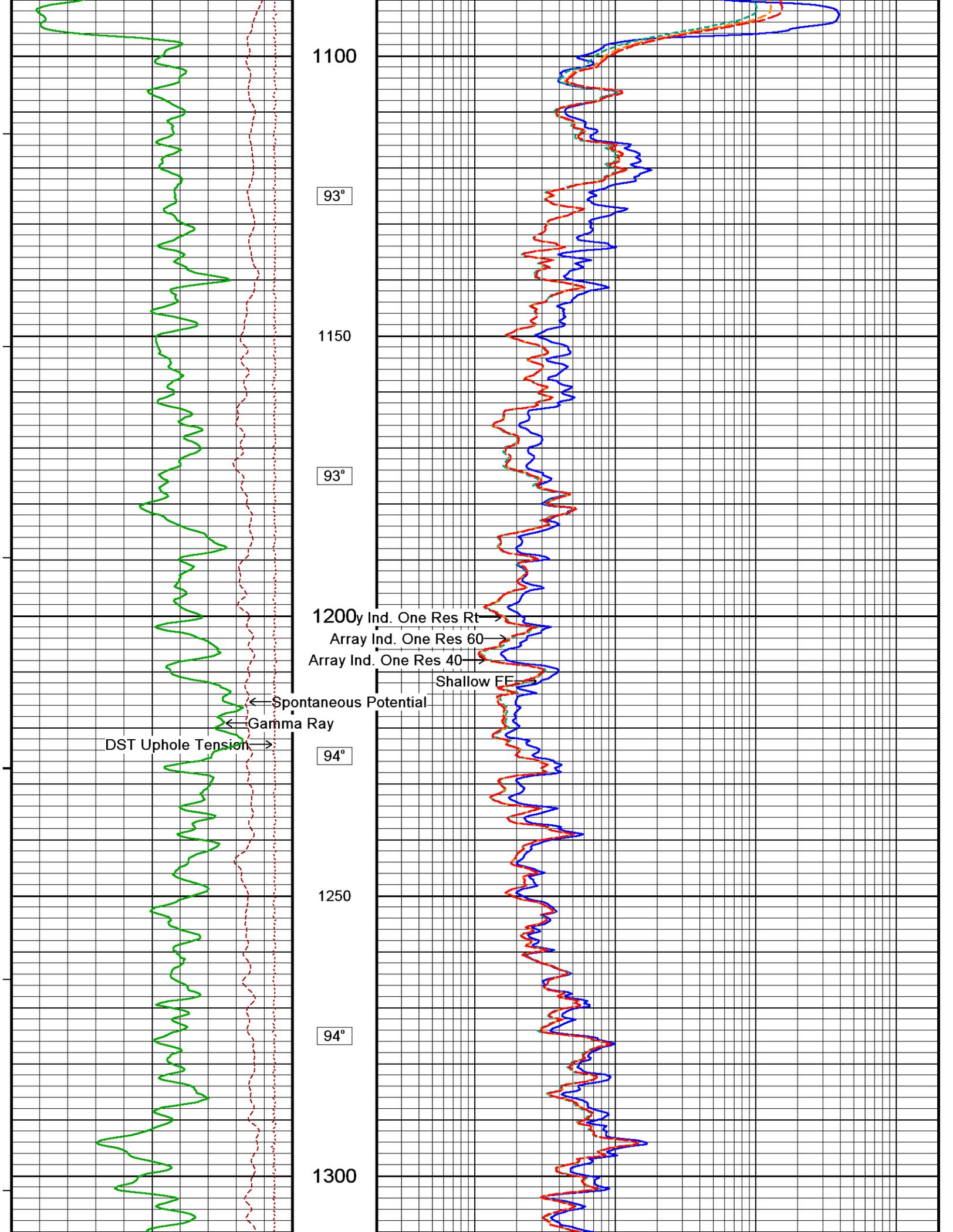
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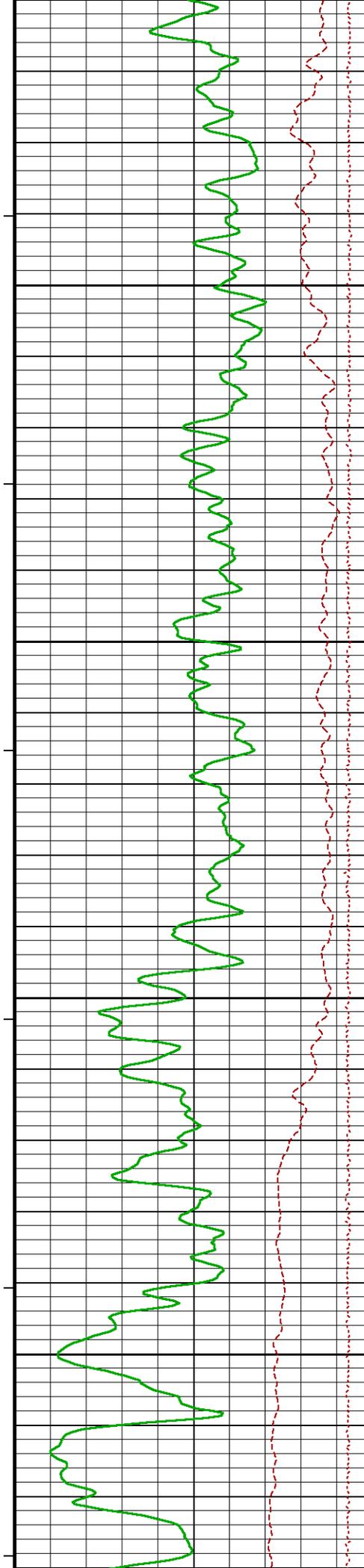
800

850

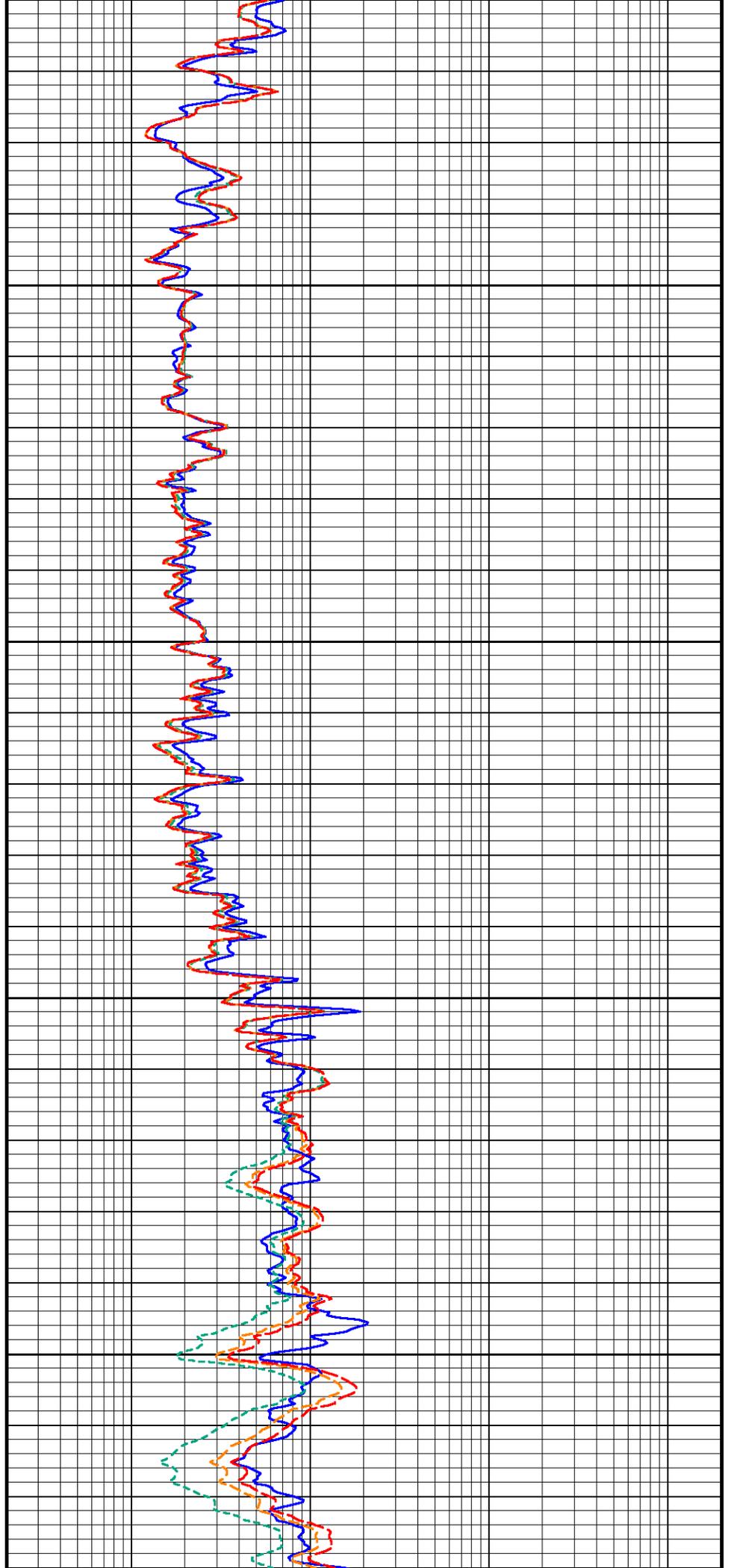
Gamma Ray

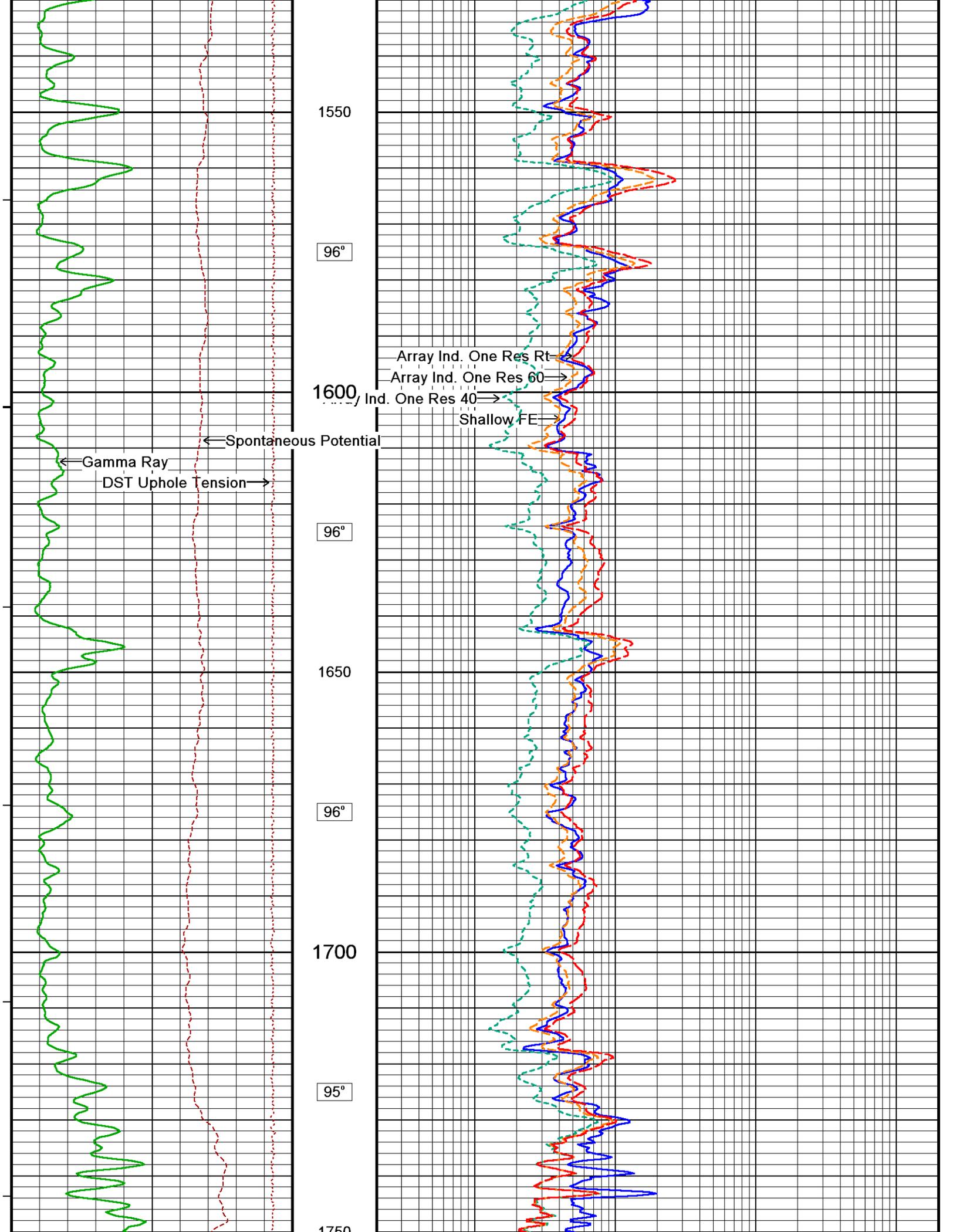


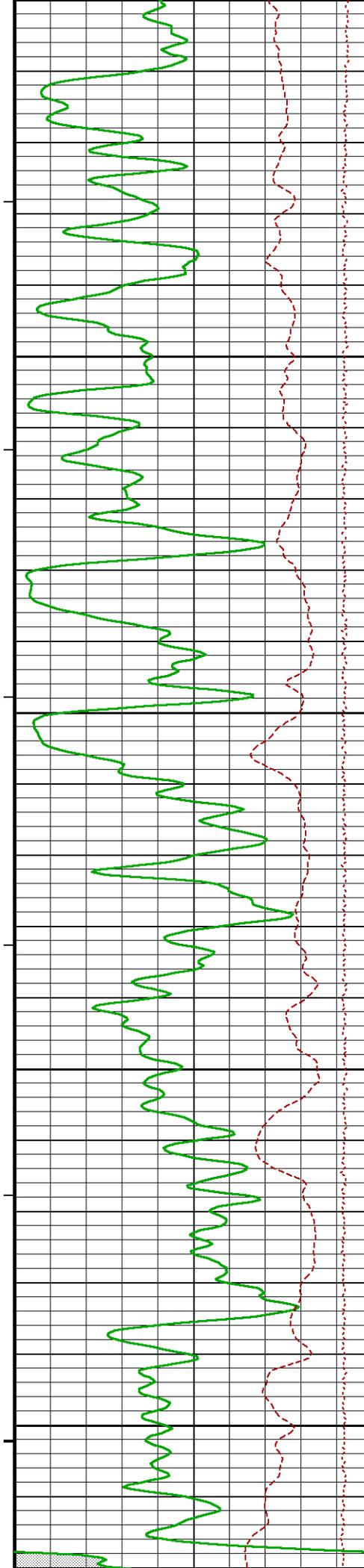




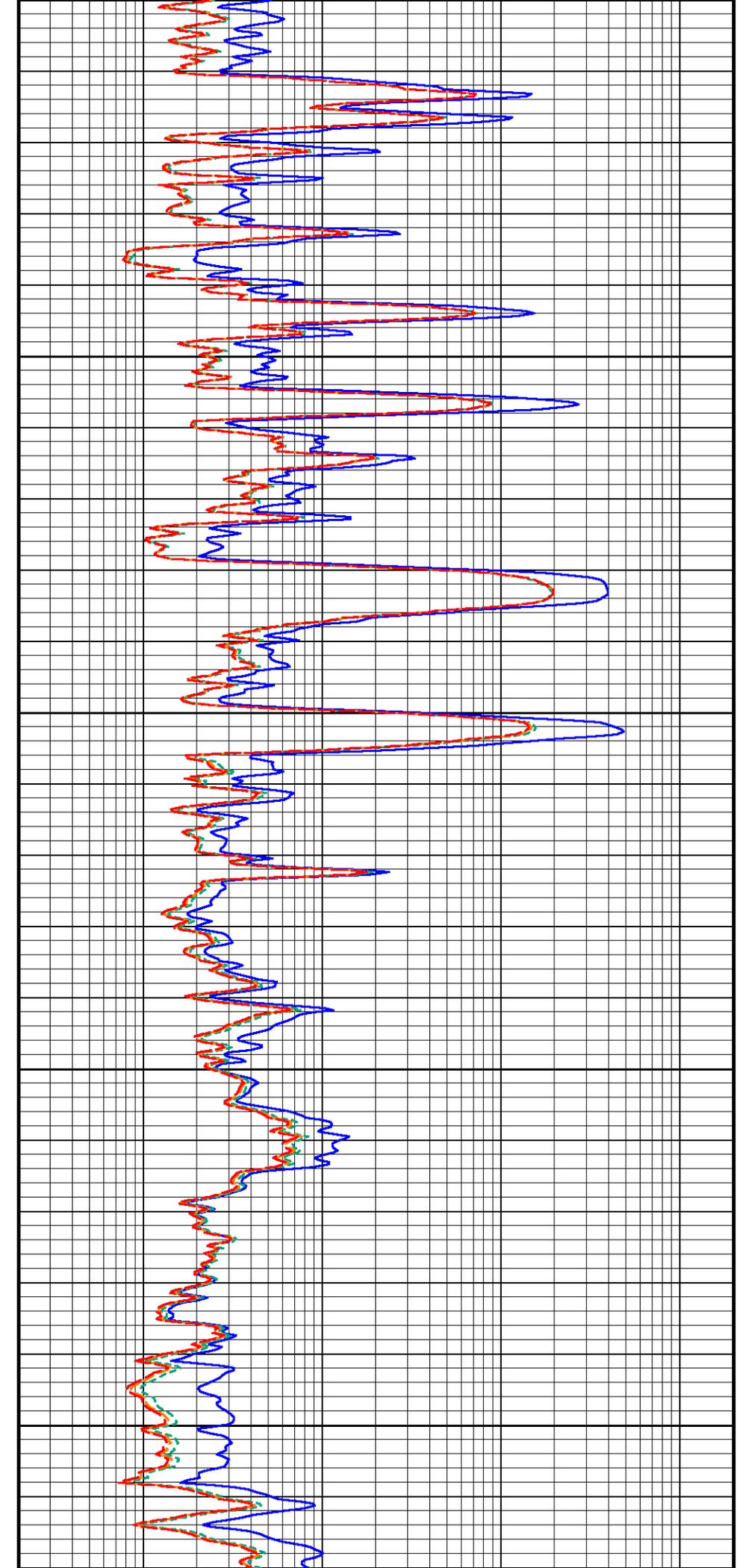
94°
1350
94°
1400
95°
1450
95°
1500
96°

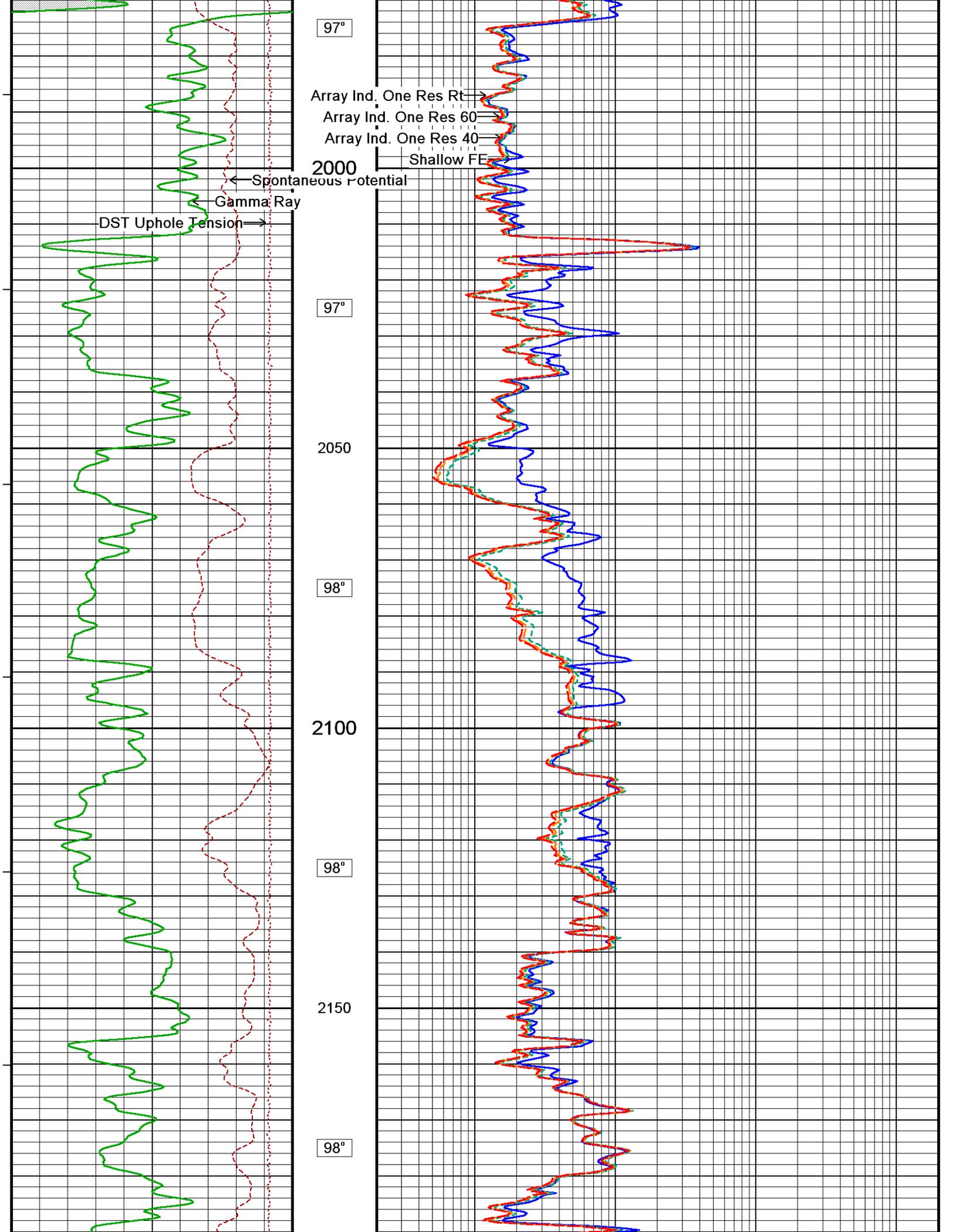


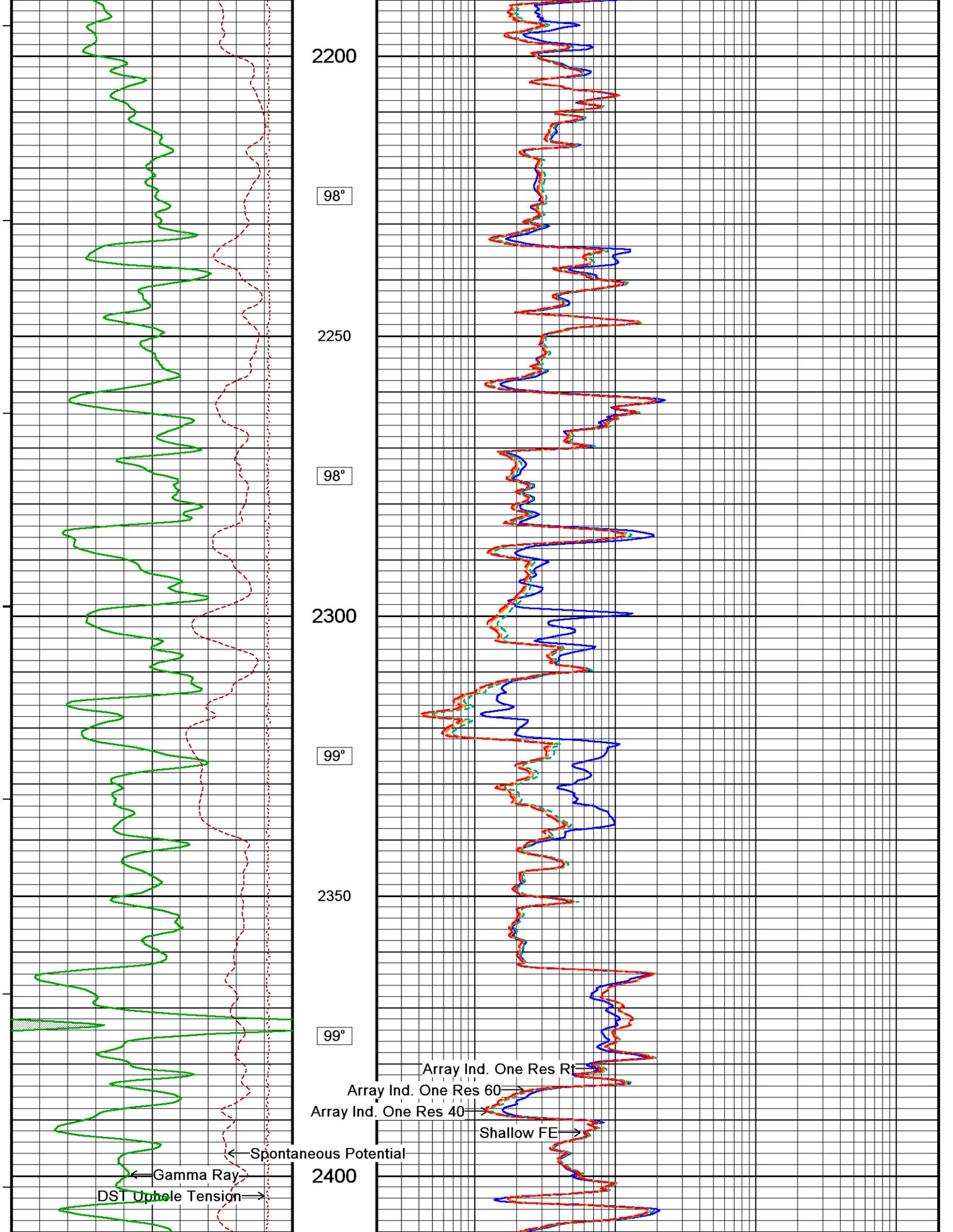


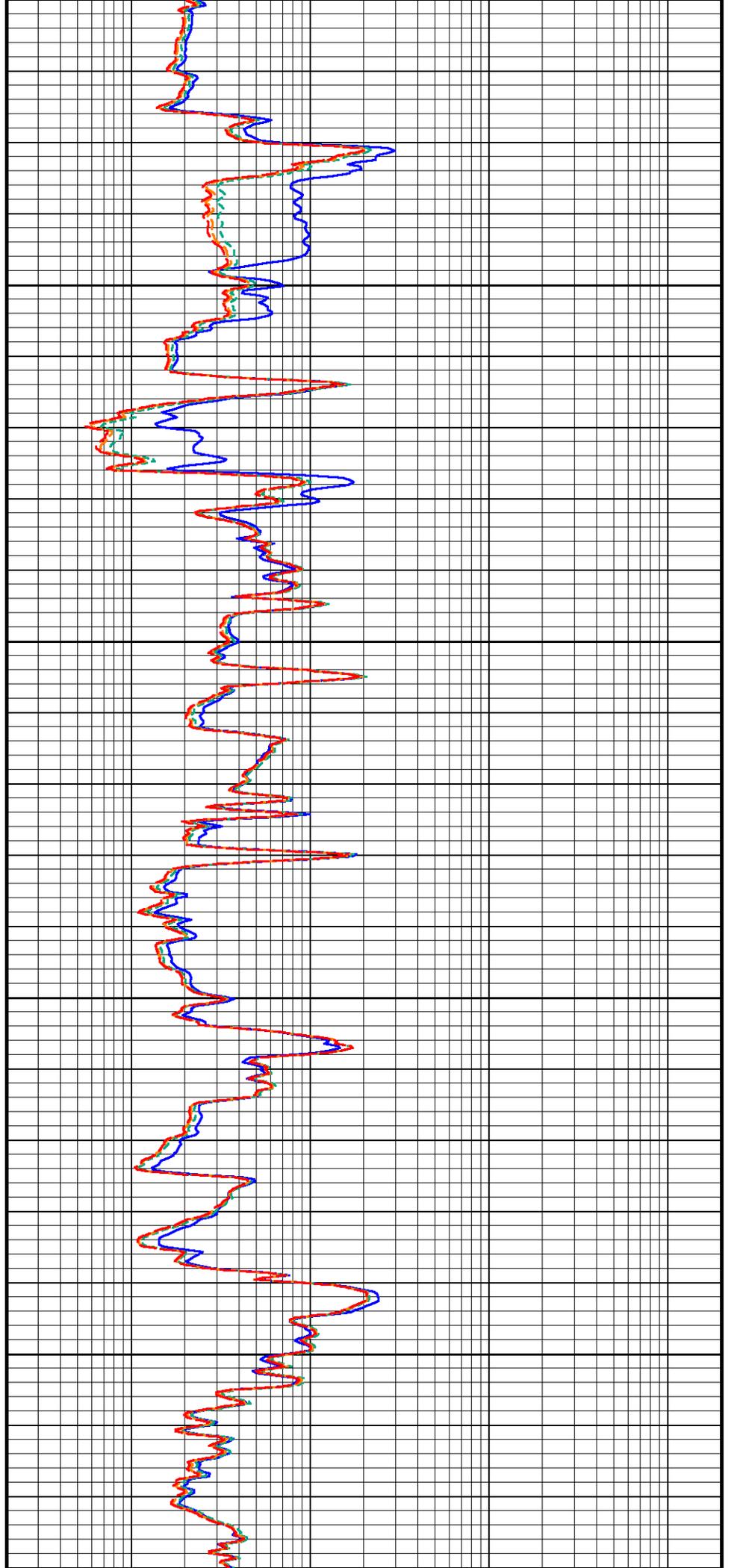
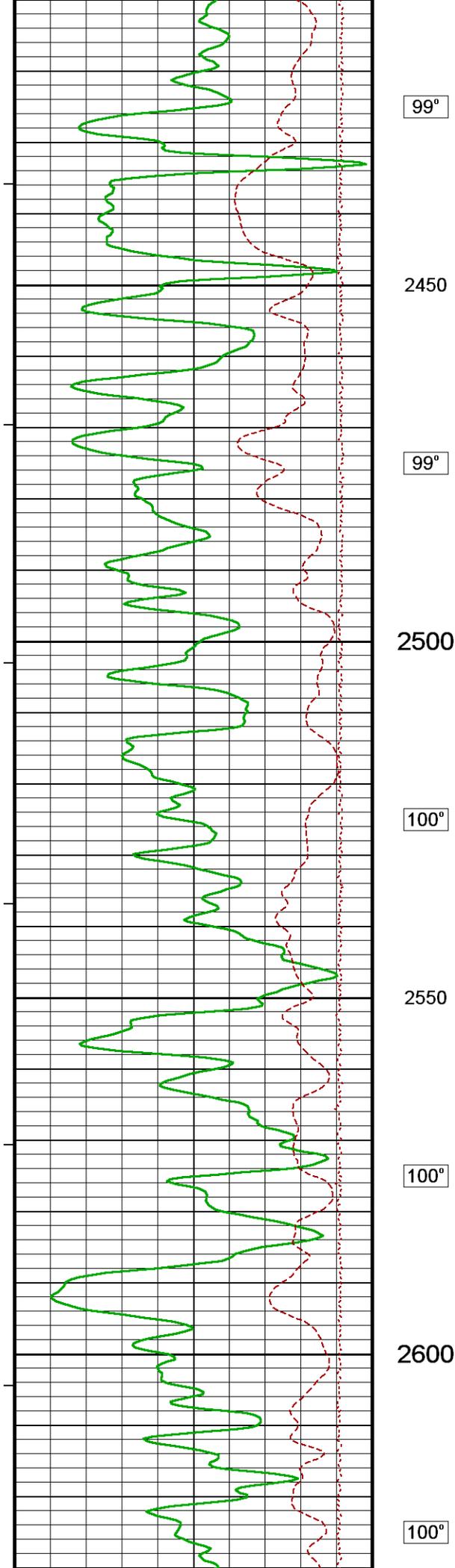


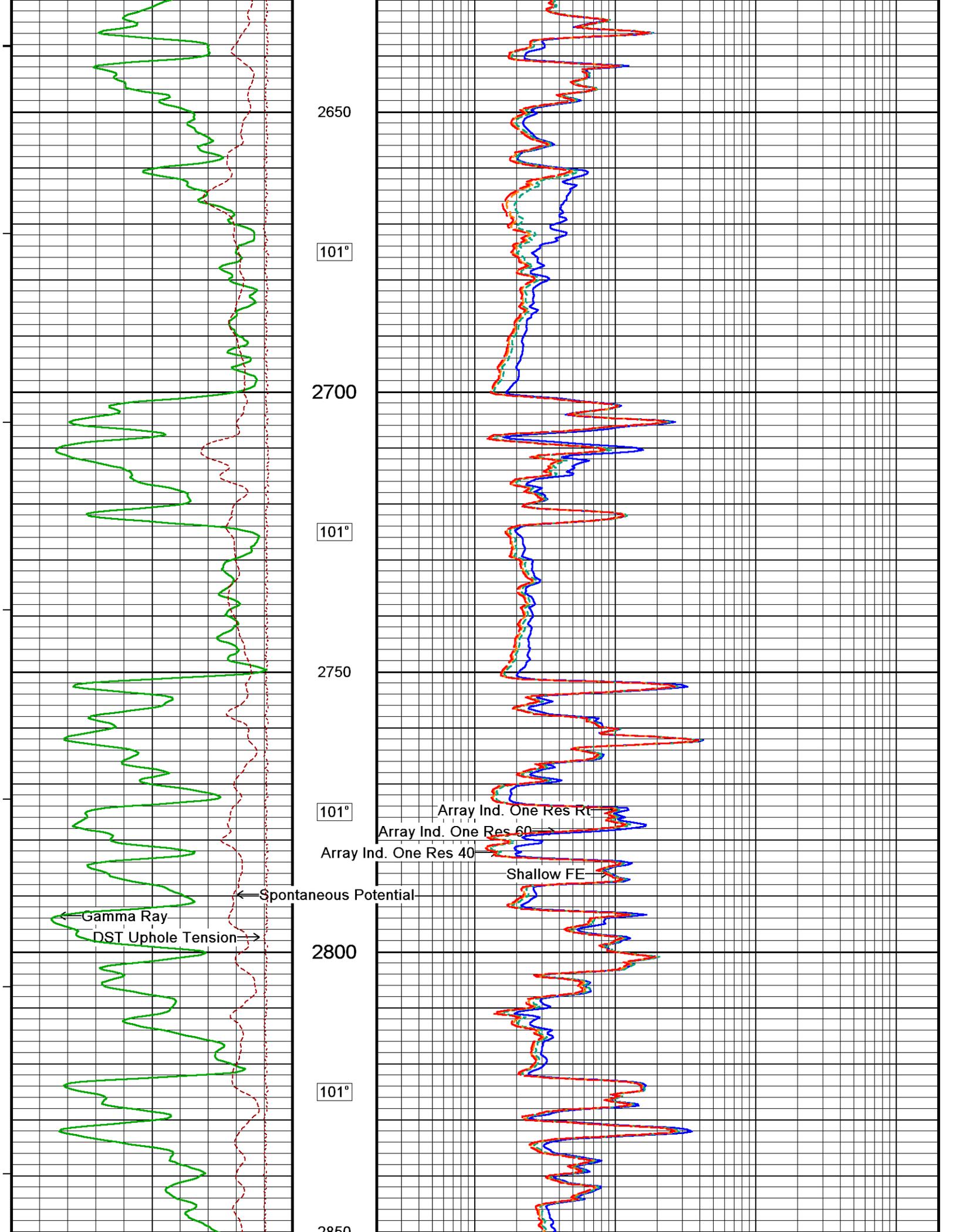
1750
96°
1800
96°
1850
96°
1900
96°
1950

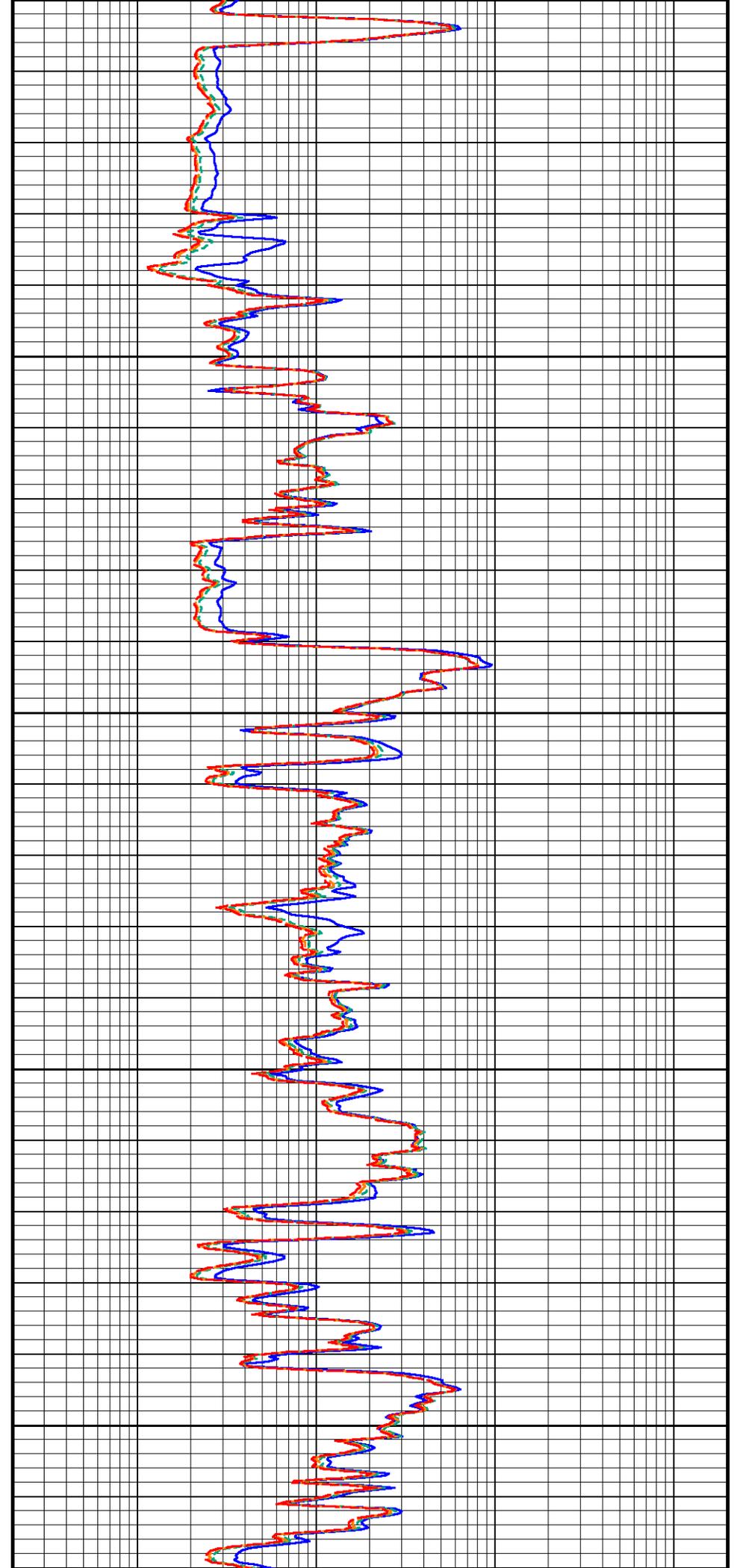
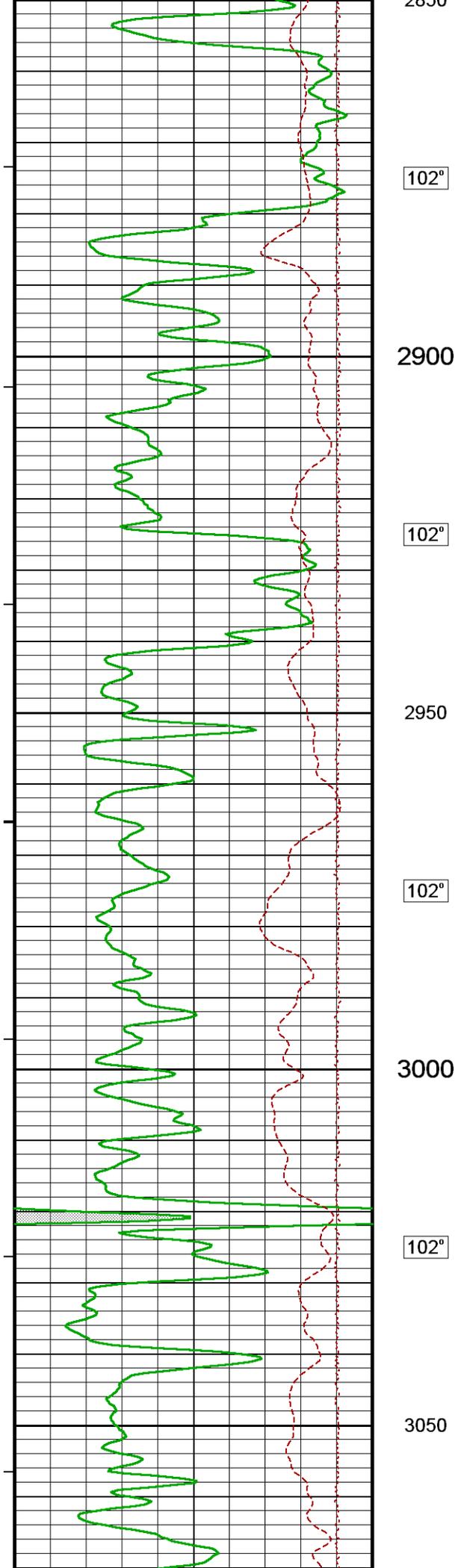


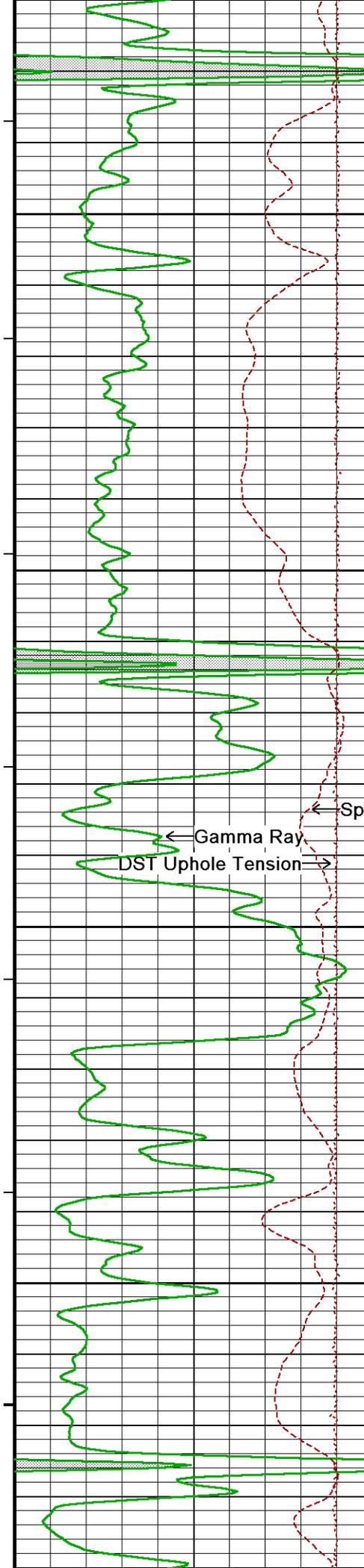












103°

3100

103°

3150

103°

103°

3250

104°

Array Ind. One Res Rt →

Array Ind. One Res 60 →

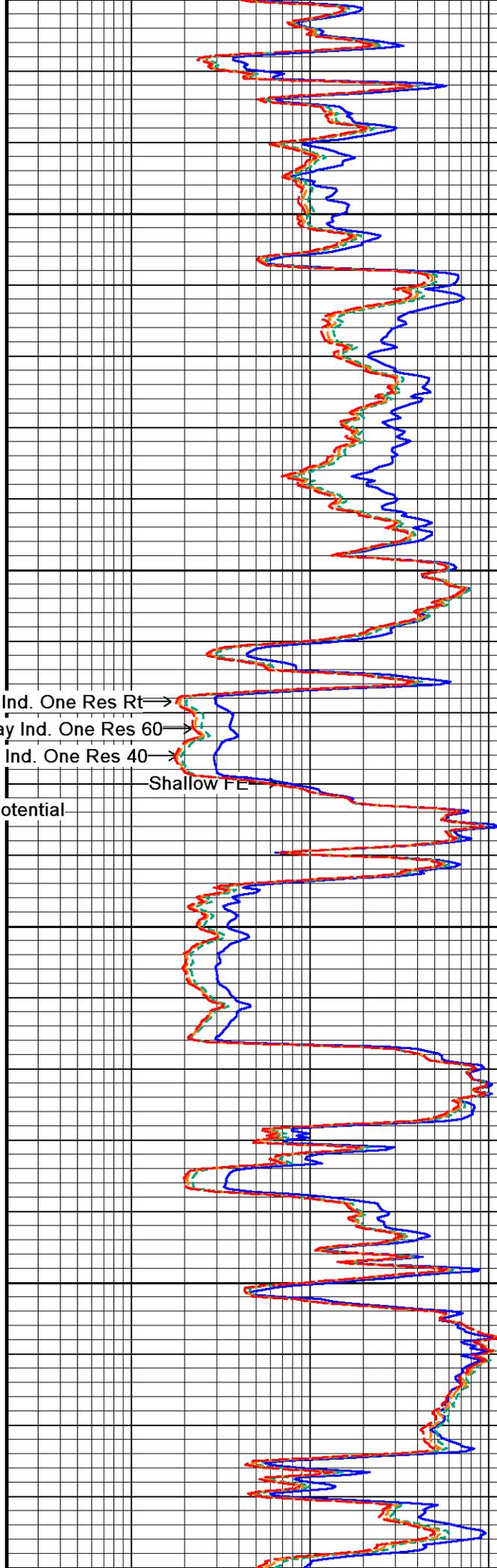
Array Ind. One Res 40 →

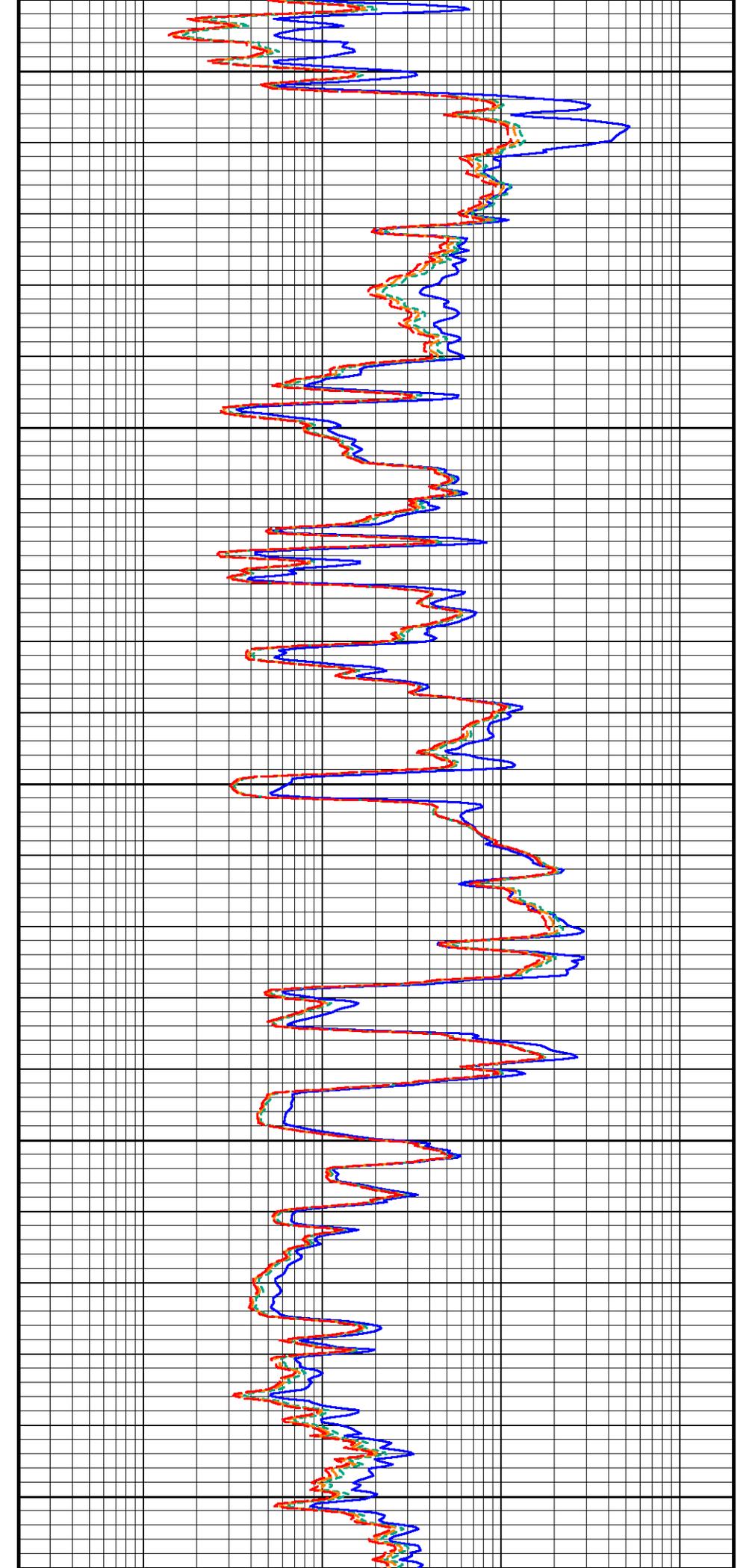
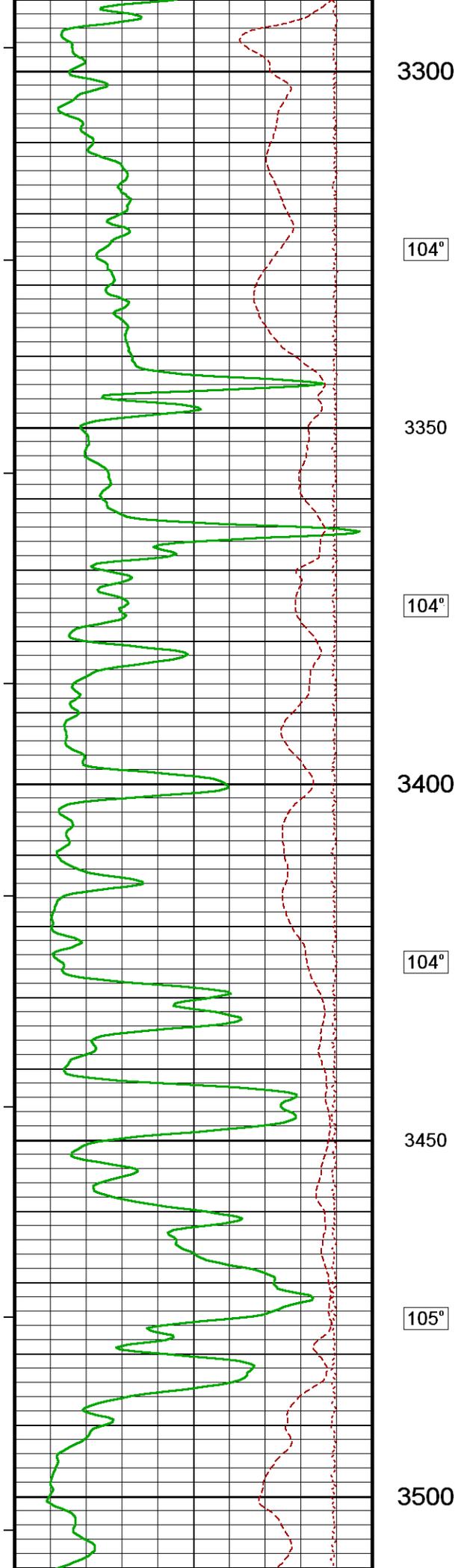
Shallow FE

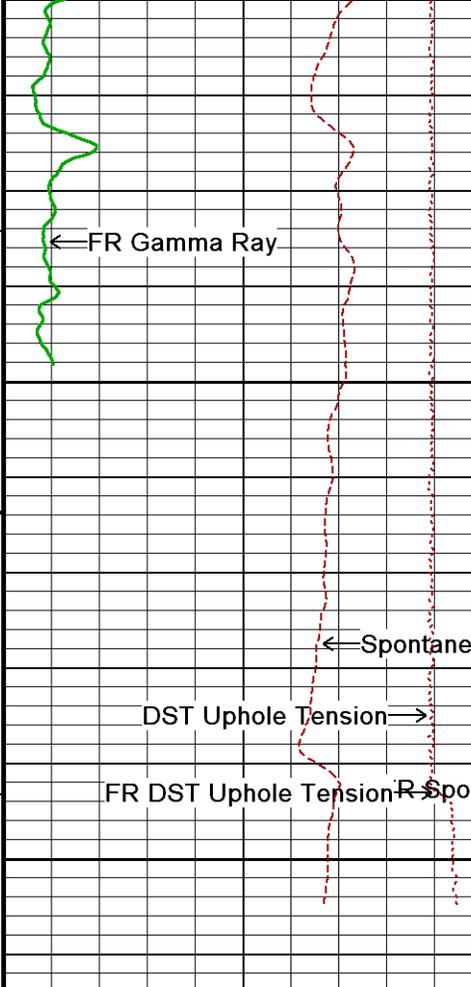
← Spontaneous Potential

← Gamma Ray

DST Uphole Tension →







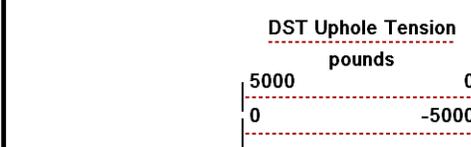
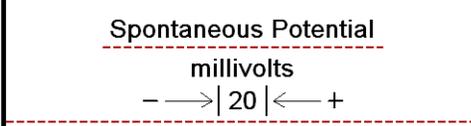
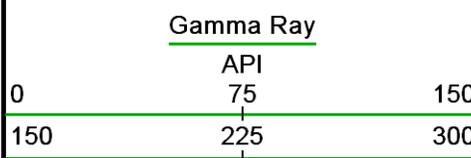
105°

3550

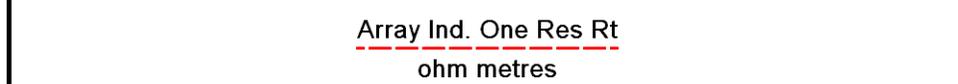
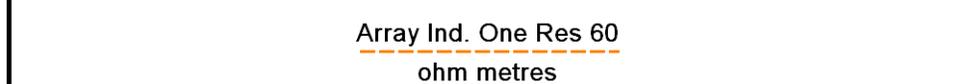
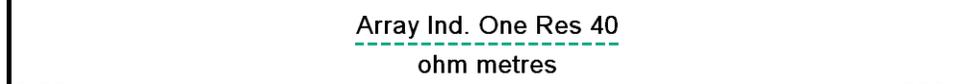
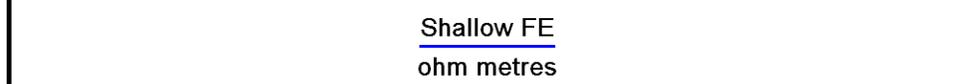
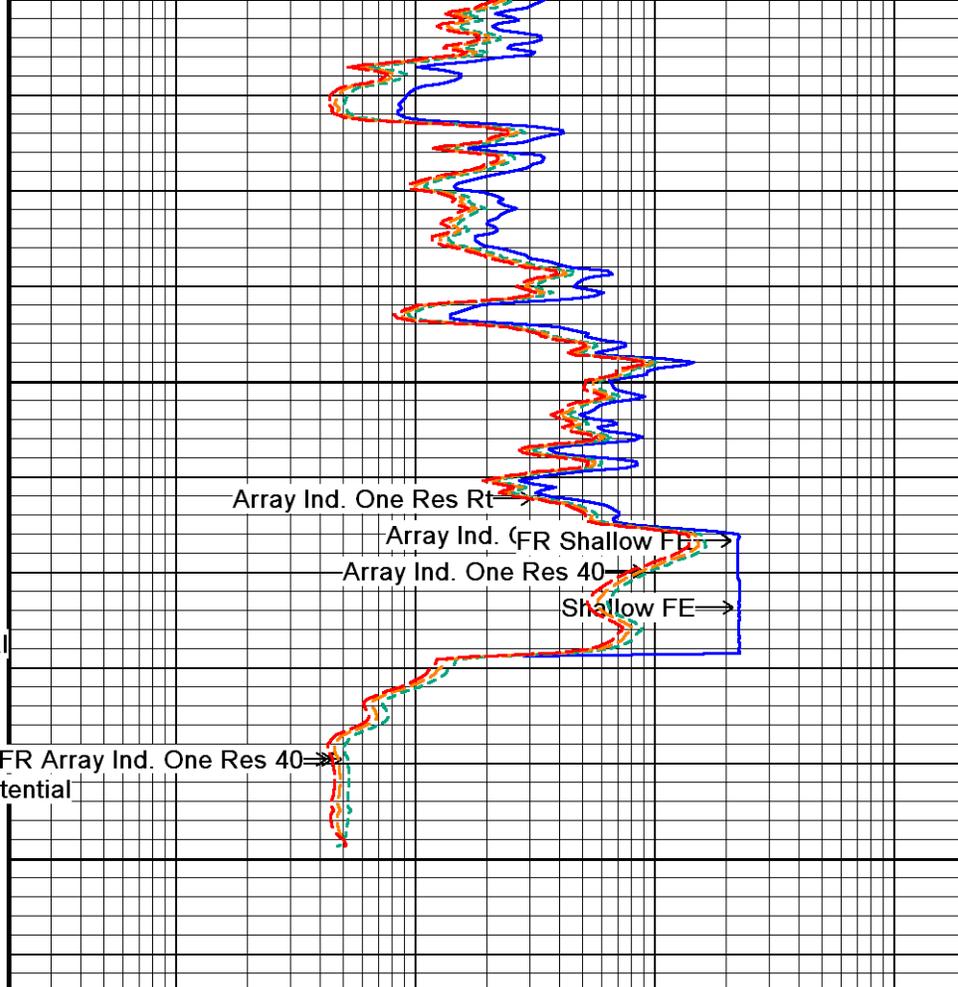
3600

3612
Depth
In
Feet

← Timing Marks
every 60.0 sec



Replay
Scale
1:240

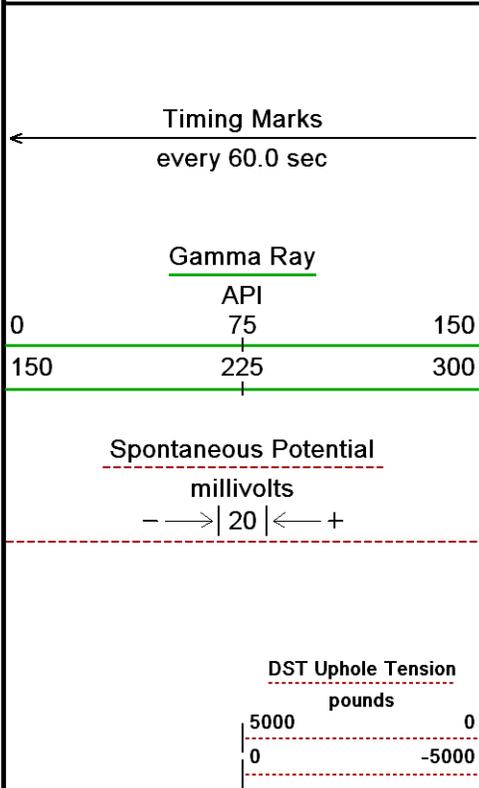


Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 11-JUN-2010 10:27
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 Recorded on 10-JUN-2010 20:03
 System Versions: Logged with 10.08.1568 Plotted with 10.01.0282

↑ 5 Inch Main Pass ↑

↓ Repeat Section ↓

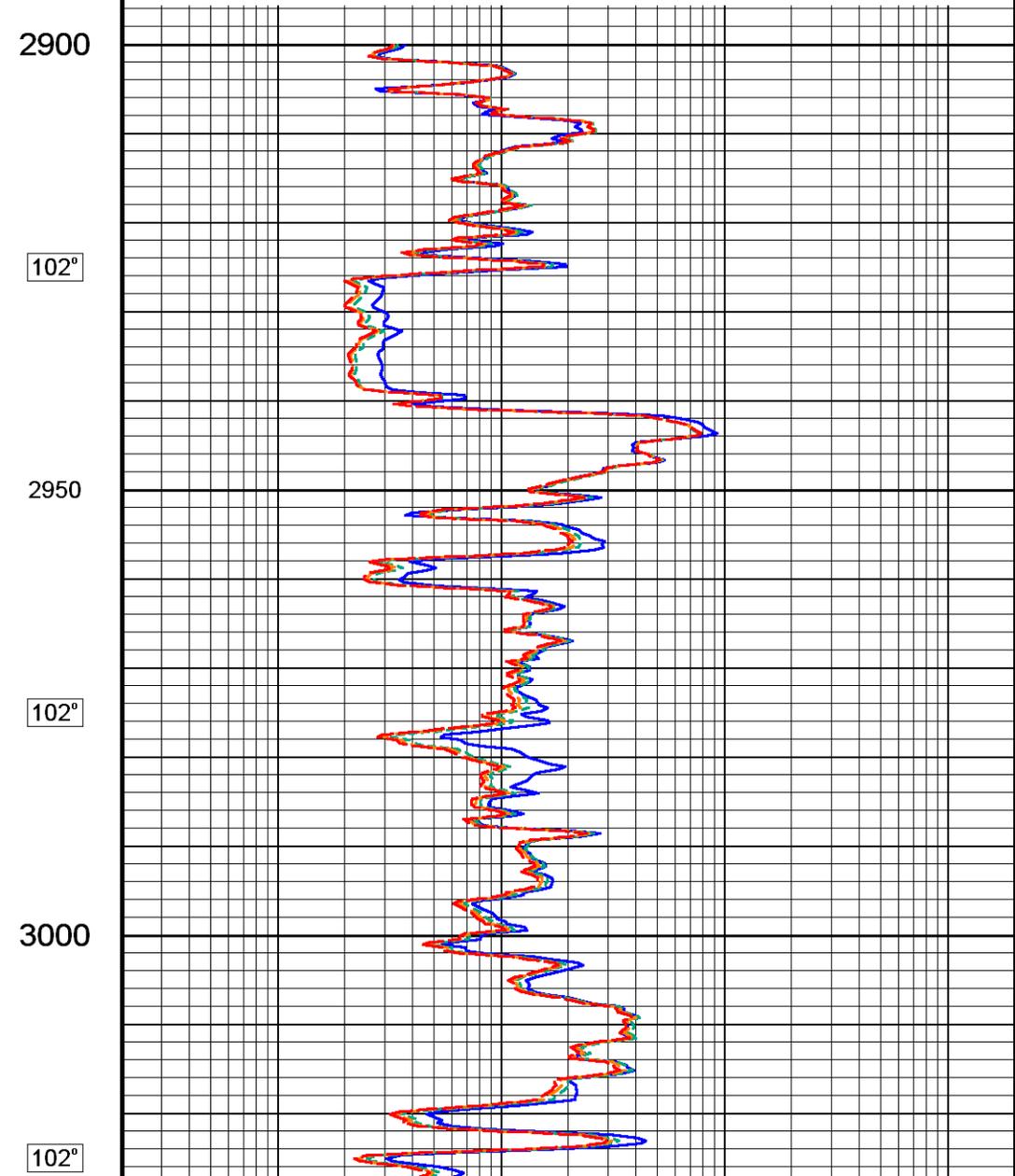
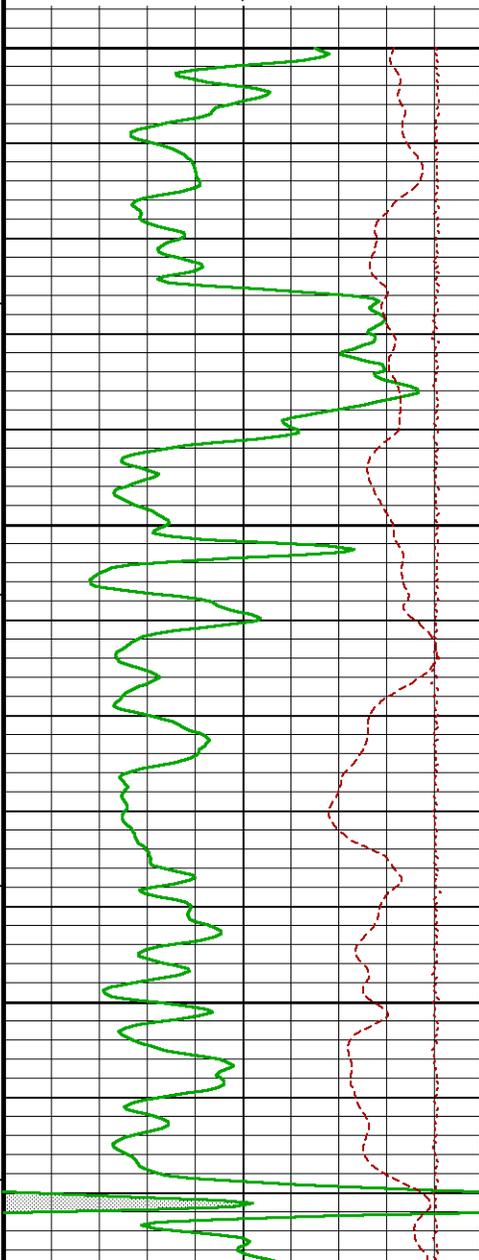
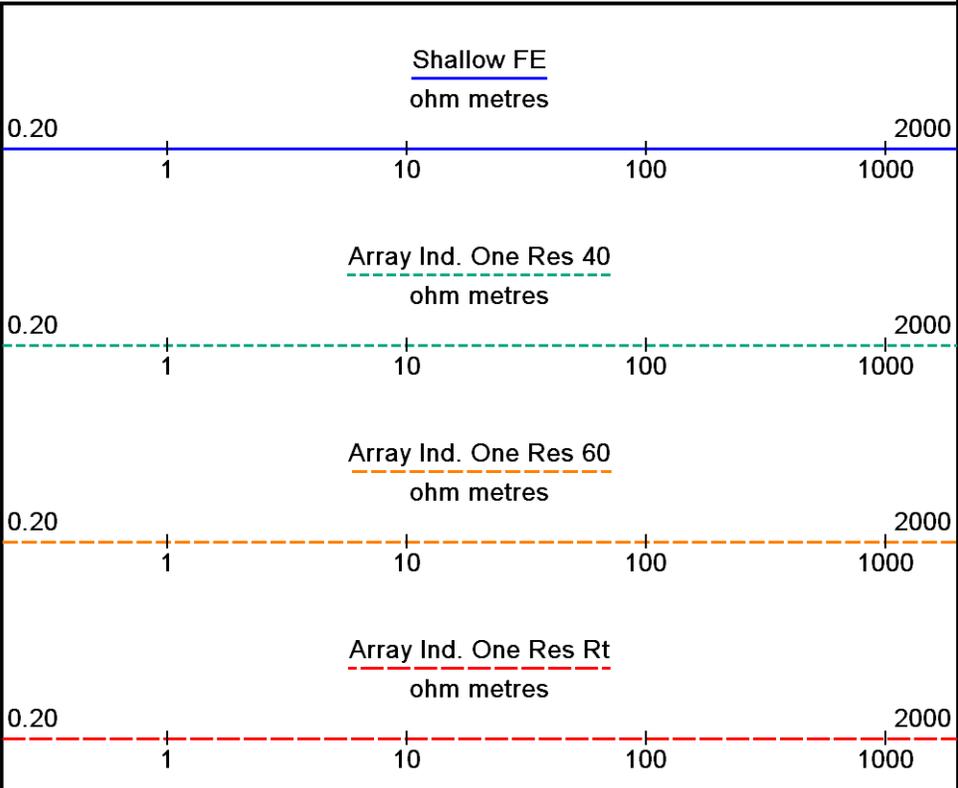
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 Recorded on 10-JUN-2010 19:25



Depth in Feet

Borehole Temp in deg F

Replay Scale 1:240



2900

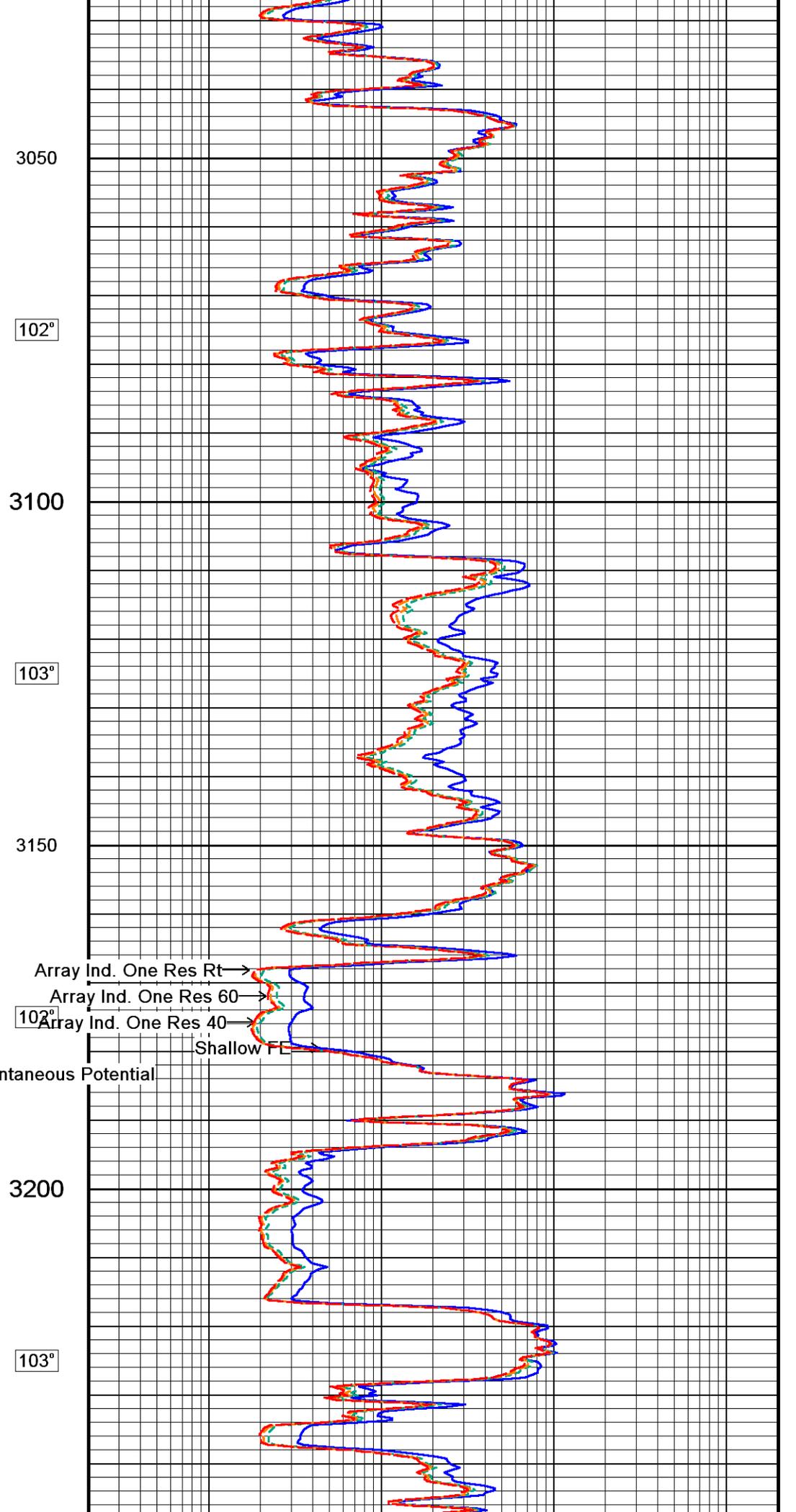
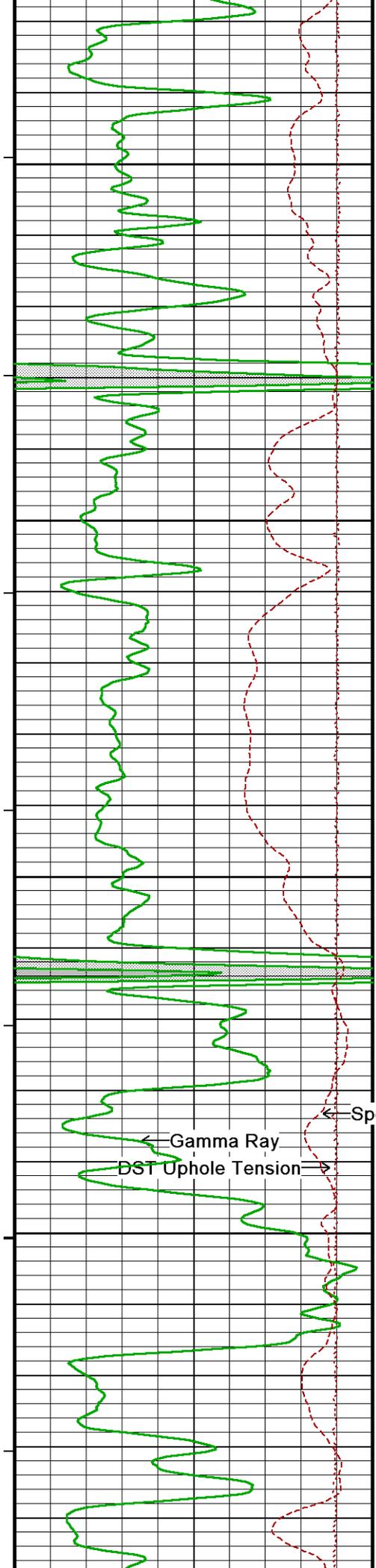
102°

2950

102°

3000

102°



3050

102°

3100

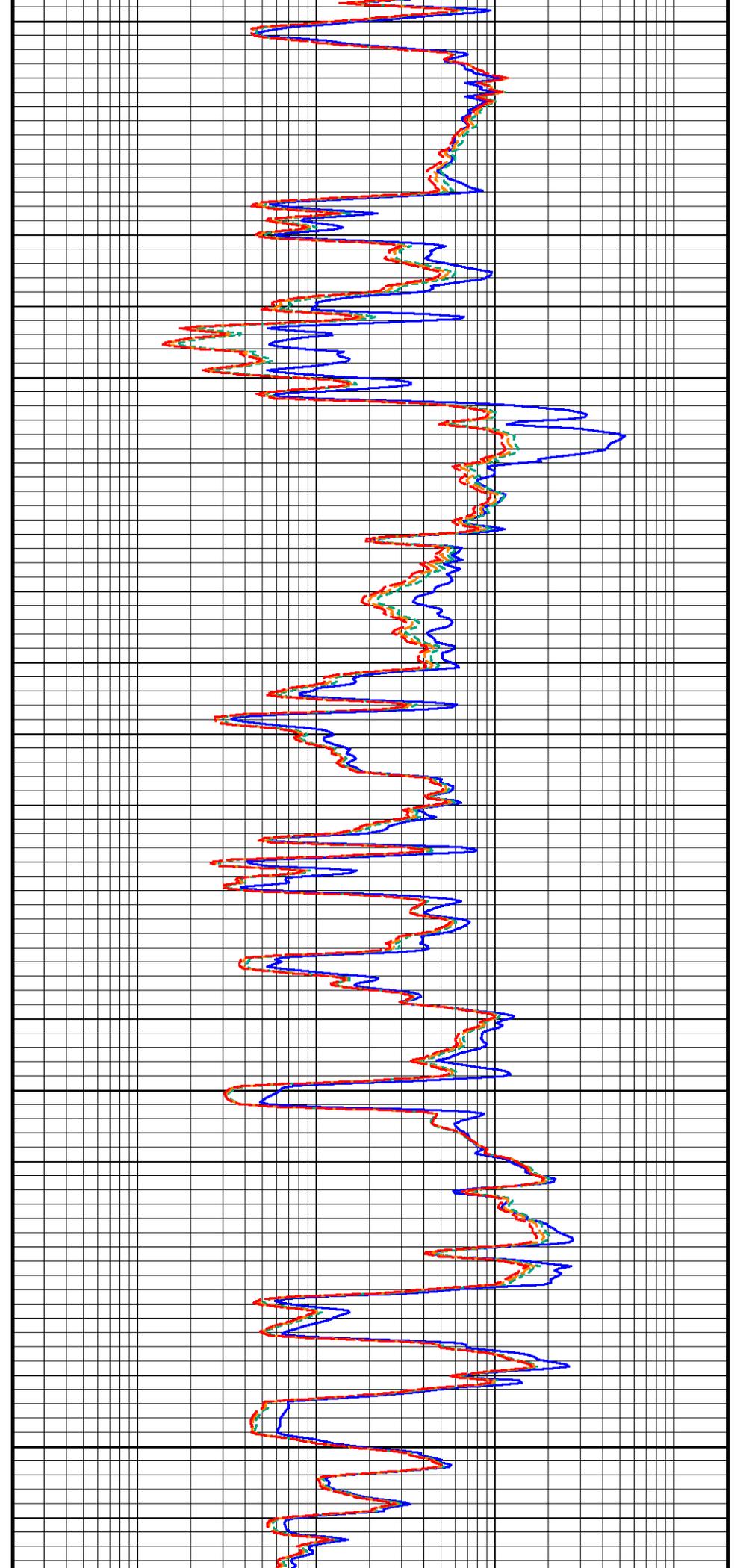
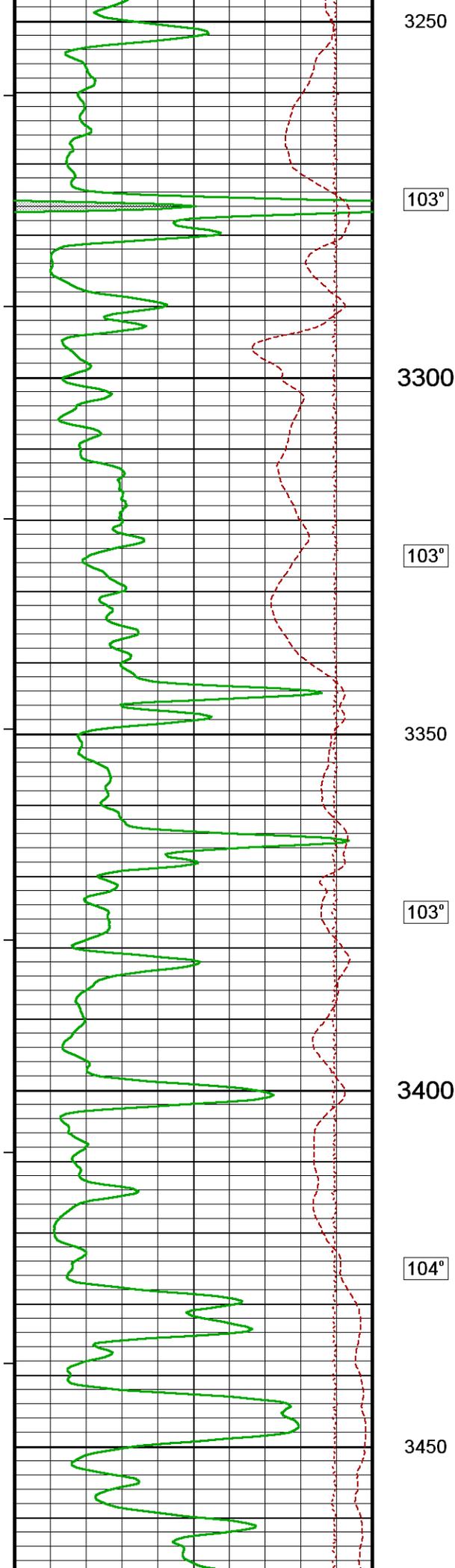
103°

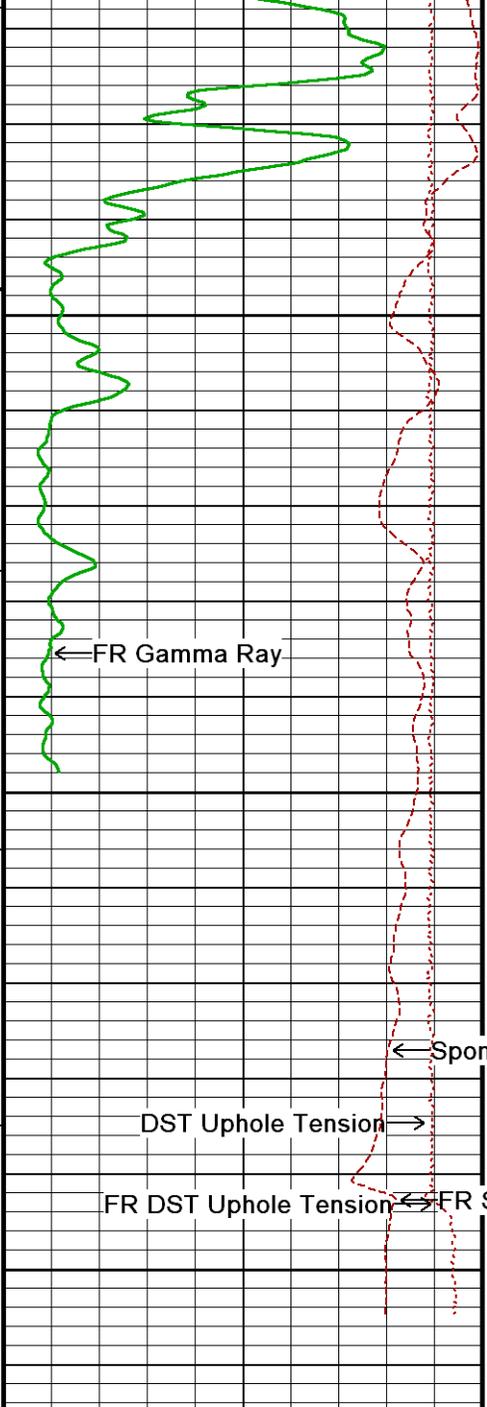
3150

102°

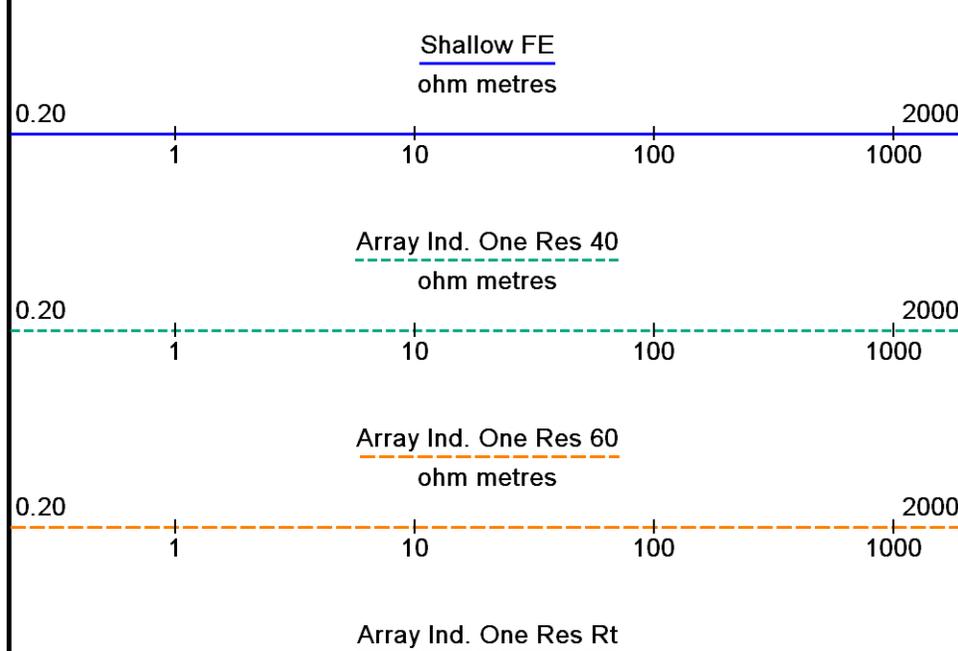
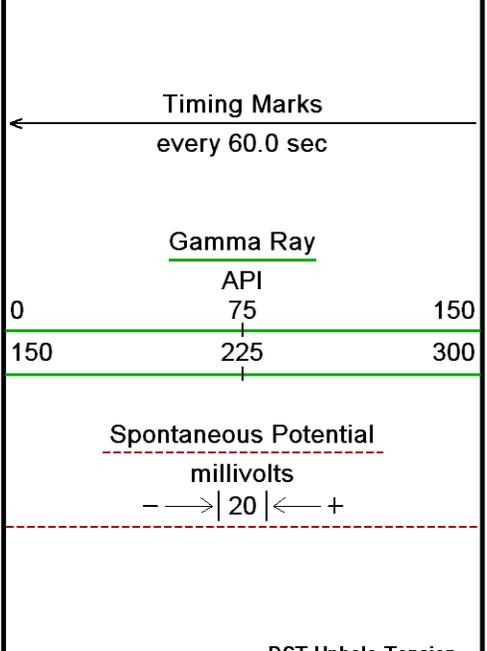
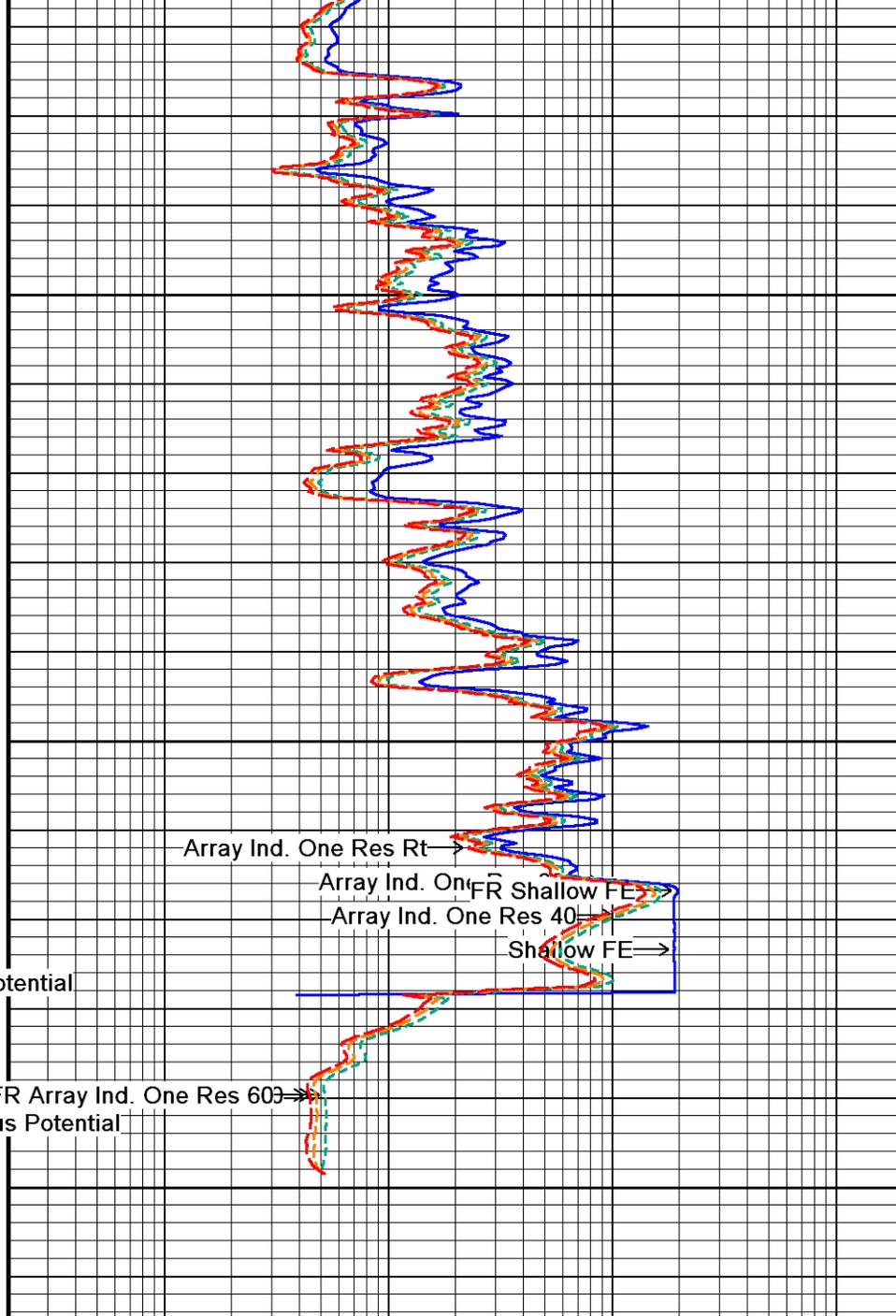
3200

103°





104°
 3500
 104°
 3550
 3600
 3614
 Depth in Feet



Borehole Temp in deg F
 Display



Replay
Scale
1:240



Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 11-JUN-2010 10:27
 Filename: C:\DOCUME~1\Clayton\LOCALS~1\Temp\Weat... \DOME LIVING TRUST ET AL 1-8_001.dta
 Recorded on 10-JUN-2010 19:25
 System Versions: Logged with 10.08.1568 Plotted with 10.01.0282

↑ Repeat Section ↑

DOWNHOLE EQUIPMENT

C:\DOCUME~1\Clayton\LOCALS~1\Temp\Weatherford PreView\0\DOME LIVING TRUST ET AL 1-8_001.dta

| | | | | |
|--|-------------------------|-------------------------|-----------|---|
| 3/8" Triple Cone Cable Head (MCB C A) MCB 5 | Length: 1.58 ft | Weight: 15.4 lb | | |
| Compact Gamma MCG 34 | Length: 8.70 ft | Weight: 63.9 lb | 57.54 ft | GRGC - Gamma Ray |
| | | | 54.63 ft | CGXT - MCG External Temperature |
| Compact Micro-log MML 16 | Length: 7.97 ft | Weight: 81.6 lb | 47.91 ft | MINV - Micro-inverse |
| | | | 47.91 ft | MNRL - Micro-normal |
| | | | 47.91 ft | MLTC - MML Caliper |
| Compact Neutron MDN 65 | Length: 5.04 ft | Weight: 50.7 lb | 43.11 ft | NPRL - Limestone Neutron Por. |
| Compact Density/Caliper MPD 35 | Length: 9.59 ft | Weight: 90.4 lb | 34.64 ft | CLDC - Density Caliper |
| | | | 34.64 ft | AVOL - Annular Volume |
| | | | 34.64 ft | HVOL - Hole Volume |
| | | | 33.94 ft | DPRL - Limestone Density Por. |
| SKJ-D.A Compact Knuckle Joint SKJ 37 | Length: 2.17 ft | Weight: 24.3 lb | 33.94 ft | DEN - Compensated Density |
| | | | 33.94 ft | DCOR - Density Correction |
| | | | 33.88 ft | PDPE - PE |
| Compact Focused Electric MFE 55 | Length: 6.03 ft | Weight: 48.5 lb | 26.22 ft | FEFE - Shallow FE |
| Compact Sonic MSS 55 | Length: 12.52 ft | Weight: 72.8 lb | 12.96 ft | DT35 - 3-5' Compensated Sonic |
| | | | 12.96 ft | SPRL - Wyllie Lime. Sonic Por. |
| Compact Induction MAI 178 | Length: 10.81 ft | Weight: 48.5 lb | 3.34 ft | R400 - Array Ind. One Res 40 |
| | | | 3.34 ft | RTAO - Array Ind. One Res Rt |
| | | | 3.34 ft | R600 - Array Ind. One Res 60 |
| | | | 0.23 ft | SPCG - Spontaneous Potential |
| | | | Tool Zero | (0.13ft from bottom) |
| | | | -0.13 ft | SMTU - DST Uphole Tension |
| Total | Length: 64.40 ft | Weight: 496.0 lb | | All measurements relative to tool zero. |

BEFORE SURVEY CALIBRATION

C:\DOCUME~1\Clayton\LOCALS~1\Temp\Weatherford PreView\0\DOME LIVING TRUST ET AL 1-8.dta

General Parameters

| | | |
|-----------------------------|----------|------------|
| Mud Resistivity | 0.810 | ohm-metres |
| Mud Resistivity Temperature | 88.000 | 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 | None | |

Rwa Parameters

| | | |
|------------------|------------------------|--|
| Porosity used | Limestone Density Por. | |
| Resistivity used | Deep Induction | |
| RWA Constant A | 1.000 | |
| RWA Constant M | 2.000 | |

Down-hole Tension Calibration SMS 000

Field Calibration on 27-APR-2009 11:57

| Reading No | Measured | Calibrated (lbs) |
|------------|----------|------------------|
| 1 | 15257.84 | 0.00 |
| 2 | 16706.18 | 410.00 |

High Resolution Temperature Calibration MCG 034

Field Calibration on 19-OCT-2009,11:45

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

High Resolution Temperature Constants MCG 034

| | |
|-------------------|----|
| Pre-filter Length | 11 |
|-------------------|----|

SP Calibration MCG 034

Field Calibration on 9-NOV-2009,18:07

| | Measured | Calibrated (mV) |
|-------------|----------|-----------------|
| Reference 1 | 107.7 | 100.0 |
| Reference 2 | -93.8 | -100.0 |

Gamma Calibration MCG 034

Field Calibration on 10-JUN-2010 09:56

| | Measured | Calibrated (API) |
|--------------------|----------|------------------|
| Background | 66 | 45 |
| Calibrator (Gross) | 1132 | 770 |
| Calibrator (Net) | 1066 | 725 |

Gamma Constants MCG 034

Last Edited on 10-JUN-2010,18:11

| | | |
|-------------------------------|-----------------|-------|
| Gamma Calibrator Number | grc38 | |
| Mud Density | 1.10 | gm/cc |
| Caliper Source for Processing | Density Caliper | |
| Tool Position | Eccentred | |
| Concentration of KCl | 0.00 | kppm |

Micro Normal and Micro Inverse Calibration MML 016

Base Calibration on 04-JUN-2010 11:01
Field Check on 10-JUN-2010 09:39

Base Calibration

| Channel | Measured | | Calibrated (ohm-m) | |
|---------------|--------------------|------------|---------------------|------------|
| | Resistor 1 | Resistor 2 | Resistor 1 | Resistor 2 |
| Micro Normal | 12.2 | 60.2 | 2.6 | 12.8 |
| Micro Inverse | 15.6 | 78.3 | 1.7 | 8.4 |
| Channel | Base Check (ohm-m) | | Field Check (ohm-m) | |
| Micro Normal | 32.1 | | 32.1 | |
| Micro Inverse | 16.3 | | 16.3 | |

Micro Normal and Micro Inverse Constants MML 016

Last Edited on 10-JUN-2010,09:38

| | |
|-----------------------|---|
| Pad Type | 8-12 in Soft Rubber Inflatable 006-9011-159 |
| Micro Normal K Factor | 0.5110 |

Micro Normal K Factor 0.3110
 Micro Inverse K Factor 0.3380
 Standoff Offset N/A inches

Caliper Calibration MML 016

Base Calibration on 04-JUN-2010 10:56
 Field Calibration on 10-JUN-2010 09:49

Base Calibration

| Reading No | Measured | Calibrator Size (in) |
|------------|----------|----------------------|
| 1 | 13741 | 5.98 |
| 2 | 16967 | 7.97 |
| 3 | 20301 | 9.95 |
| 4 | 24068 | 11.91 |
| 5 | 0 | 0.00 |
| 6 | N/A | N/A |

Field Calibration

| Measured Caliper (in) | Actual Caliper (in) |
|-----------------------|---------------------|
| 5.97 | 5.96 |

Neutron Calibration MDN 065

Base Calibration on 04-JUN-2010 09:37
 Field Check on 10-JUN-2010 10:04

Base Calibration

| | Measured | | Calibrated (cps) | |
|-------|----------|-----|------------------|-----|
| | Near | Far | Near | Far |
| | 3221 | 100 | 3714 | 110 |
| Ratio | 32.167 | | 33.764 | |

Field Calibrator at Base

| Calibrated (cps) | |
|------------------|-------|
| 1577 | 2282 |
| Ratio | 0.691 |

Field Check

| Calibrated (cps) | |
|------------------|-------|
| 1590 | 2284 |
| Ratio | 0.696 |

Neutron Constants MDN 065

Last Edited on 10-JUN-2010,18:11

| | | |
|---------------------------------|-----------------|-----------|
| Neutron Source Id | 757 | |
| Neutron Jig Number | 5824ne | |
| Epithermal Neutron | No | |
| Caliper Source for Processing | Density Caliper | |
| Stand-off | 0.00 | inches |
| Mud Density | 1.10 | gm/cc |
| Limestone Sigma | 7.10 | cu |
| Sandstone Sigma | 4.26 | cu |
| Dolomite Sigma | 4.70 | cu |
| Formation Pressure Source | Constant Value | |
| Formation Pressure | 0.00 | kpsi |
| Temperature Source | Constant Value | |
| Temperature | 68.00 | degrees F |
| Mud Salinity | 0.00 | kppm |
| Formation Fluid Salinity Source | Constant Value | |
| Formation Fluid Salinity | 0.00 | kppm |
| Barite Mud Correction | Not Applied | |

FE Calibration MFE 055

Base Calibration on 01-JUN-2010 13:25
 Field Check on 10-JUN-2010 09:37

Base Calibration

| | Measured | Calibrated (ohm-m) |
|-------------|----------|--------------------|
| Reference 1 | 0.0 | 0.0 |
| Reference 2 | 956.3 | 126.8 |

Base Check 281.8

Field Check 282.0

FE Constants MFE 055

Last Edited on 10-JUN-2010,18:12

| | | |
|----------------------------------|------------------|--------|
| 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 055

Last Edited on 10-JUN-2010,13:19

Maximum Boundary Contrast 100.00 micro-sec/ft
 Fluid Transit Time 189.00 micro-sec/ft
 Limestone Transit Time 47.50 micro-sec/ft
 Sandstone Transit Time 55.50 micro-sec/ft
 Dolomite Transit Time 43.50 micro-sec/ft
 Sonic used for Porosities 3-5' Compensated Sonic
 Correction for Sonde Skew Applied
 Cycle Stretch Algorithm Applied
 MN3FT N/A micro-sec
 MX3FT N/A micro-sec
 Hunt-Raymer Constant 83.13 micro-sec/ft

Sonde Mode Compensated
 Hole Type Open Hole

Sonde Parameters

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

| Waveform | Start Time (micro-sec) | Width (micro-sec) | Pre Gain | Start Gain | Discriminator (mV) |
|----------|------------------------|-------------------|----------|------------|--------------------|
| 3' | N/A | N/A | N/A | N/A | N/A |
| 4' | N/A | N/A | N/A | N/A | N/A |
| 5' | N/A | N/A | N/A | N/A | N/A |
| 6' | N/A | N/A | N/A | N/A | N/A |

Processed Fixed Gate Parameters

| Waveform Used For Processing | N/A | | |
|------------------------------|----------------------|--------------------|-----|
| Start Time (micro-sec) | End Time (micro-sec) | Discriminator (mV) | N/A |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |

Full Waveform Parameters

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

High Resolution Temperature Calibration MAI 178

Field Calibration on 28-MAR-2010,00:50

| | Measured | Calibrated(Deg F) |
|-------|----------|-------------------|
| Lower | 1.00 | 33.80 |
| Upper | 11.00 | 51.80 |

High Resolution Temperature Constants MAI 178

Pre-filter Length 11

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 | 13.0 | 3763.1 |
| 2 | 0.0 | 0.0 | 29.9 | 3467.0 |
| 3 | 0.0 | 0.0 | 27.4 | 3014.4 |
| 4 | 0.0 | 0.0 | 18.8 | 2064.1 |
| Deep | 0.0 | 0.0 | 15.9 | 1995.2 |
| Medium | 0.0 | 0.0 | 40.4 | 3956.4 |
| Shallow | 0.0 | 0.0 | 45.8 | 5082.3 |

Array Temperature 0.0 80.8 Deg F

Induction Constants MAI 178

Last Edited on 10-JUN-2010,18:12

| | | | |
|-----------------------------------|--------------------------|------------|--------|
| 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 |

Caliper Calibration MPD 035

Base Calibration on 02-JUN-2010 13:52

Field Calibration on 10-JUN-2010 09:41

Base Calibration

| Reading No | Measured | Calibrator Size (in) |
|------------|----------|----------------------|
| 1 | 19663 | 4.01 |
| 2 | 29792 | 5.96 |
| 3 | 40079 | 7.98 |
| 4 | 49744 | 9.95 |
| 5 | 60515 | 11.91 |

Field Calibration

| | |
|-----------------------|---------------------|
| Measured Caliper (in) | Actual Caliper (in) |
| 5.94 | 5.96 |

Photo Density Calibration MPD 035

Base Calibration on 02-JUN-2010 14:15
Field Check on 10-JUN-2010 09:47

Density Calibration

| | | | | |
|------------------|----------|-------|------------------|-------|
| Base Calibration | Measured | | Calibrated (sdu) | |
| | Near | Far | Near | Far |
| Reference 1 | 53045 | 25699 | 59556 | 30836 |
| Reference 2 | 21445 | 2534 | 24941 | 2541 |

Field Check at Base

| | |
|--------|--------|
| 1195.2 | 1428.6 |
|--------|--------|

Field Check

| | |
|--------|--------|
| 1193.8 | 1417.7 |
|--------|--------|

PE Calibration

| | | | | |
|------------------|----------|-------|-------|------------|
| Base Calibration | Measured | | | Calibrated |
| | WS | WH | Ratio | Ratio |
| Background | 214 | 1058 | | |
| Reference 1 | 19853 | 52847 | 0.379 | 0.371 |
| Reference 2 | 5776 | 21300 | 0.275 | 0.272 |

Field Check at Base

| | |
|-------|--------|
| 213.6 | 1058.4 |
|-------|--------|

Field Check

| | |
|-------|--------|
| 215.0 | 1058.5 |
|-------|--------|

Density Constants MPD 035

Last Edited on 10-JUN-2010,18:11

| | | |
|-------------------------------|-----------------|-------|
| Density Source Id | 254 | |
| Nylon Calibrator Number | dnce695 | |
| Aluminium Calibrator Number | dacd698 | |
| Density Shoe Profile | 8 inch | |
| Caliper Source for Processing | Density Caliper | |
| PE Correction to Density | Not Applied | |
| Mud Density | 1.10 | gm/cc |
| Mud Density Z/A Correction | 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 | |

COMPANY

SAMUEL GARY JR. & ASSOCIATES, INC.

WELL

DOME LIVING TRUST ET AL #1-8

FIELD

WILDCAT

PROVINCE/COUNTY

RUSH

COUNTRY/STATE

U.S.A. / KANSAS

Elevation Kelly Bushing 1940.00 feet

First Reading 3590.00 feet

Elevation Drill Floor 1939.00 feet

Depth Driller 3600.00 feet

Elevation Ground Level 1930.00 feet

Depth Logger 3593.00 feet



ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG

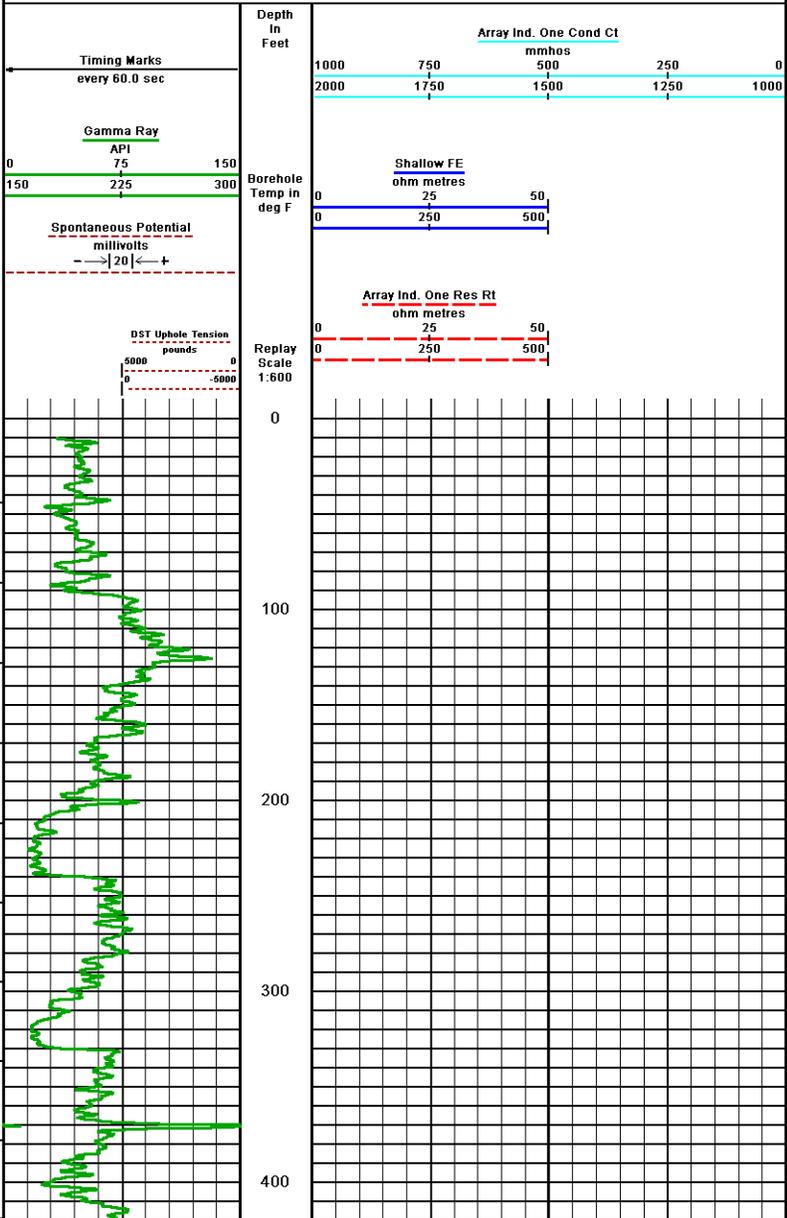
Weatherford®

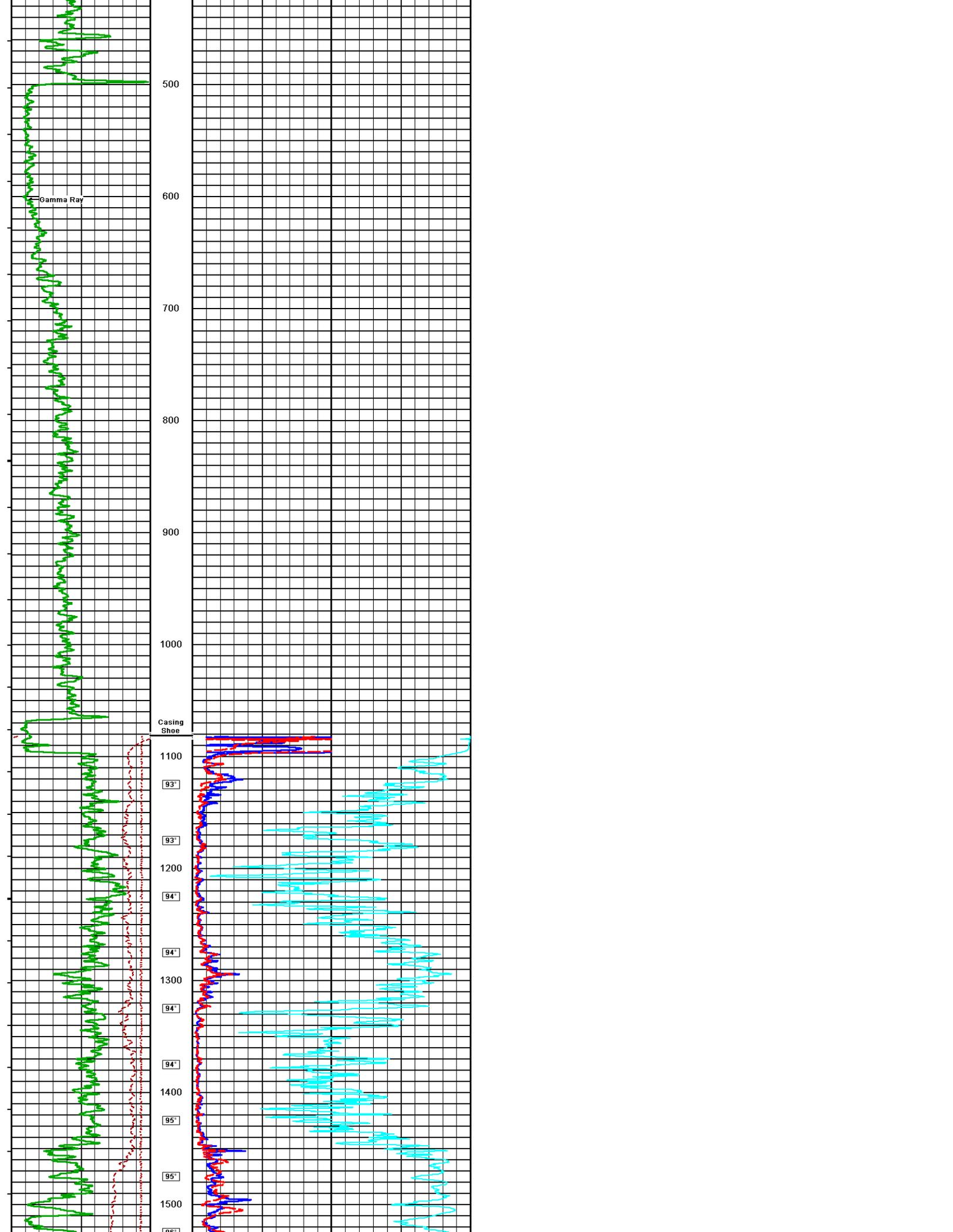


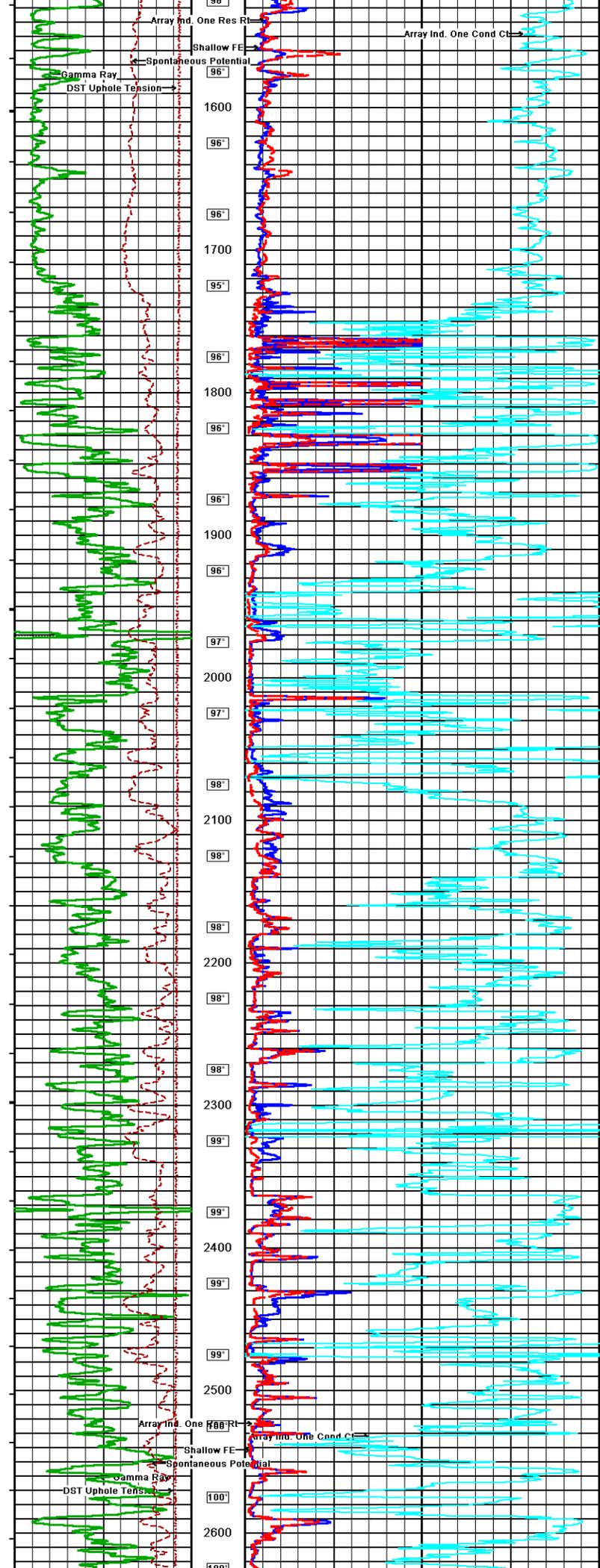
ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG

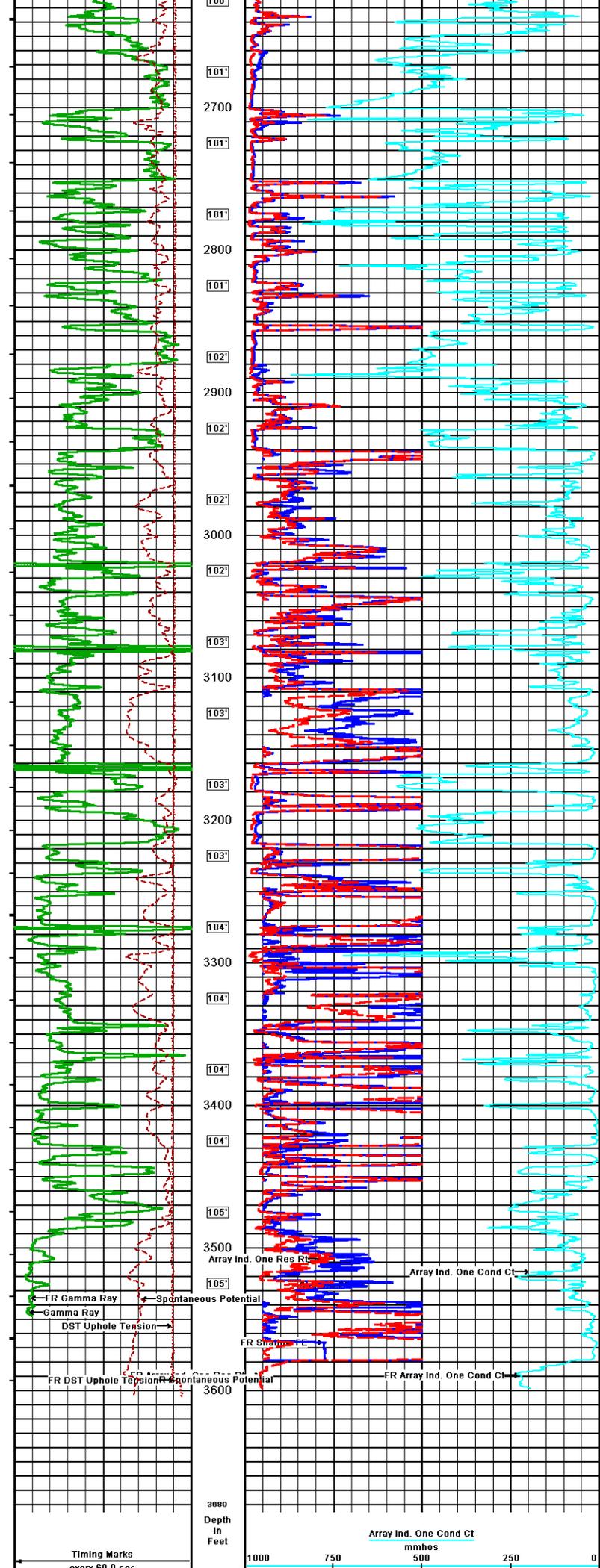
| | |
|--|-------------------------------------|
| COMPANY | SAMUEL GARY JR. & ASSOCIATES, INC. |
| WELL | DOME LIVING TRUST ET AL #1-8 |
| FIELD | WILDCAIT |
| PROVINCE/COUNTRY | RUSH |
| COUNTRY/STATE | U.S.A. / KANSAS |
| LOCATION | 1760' FNL & 580' FEL SW NE SE NE |
| SEC | 16S |
| TYPE | 16V |
| ROE | Other Services |
| 16S | MOP/MON |
| APR Number | MML |
| Permit Number | MSS |
| Permanent Datum (S.L., Elevation: 1930 feet) | |
| Log Measured From (K.B. @ 10 FEET above Permanent Datum) | |
| Drilling Measured From (K.B.) | |
| Date | 10-JUN-2010 |
| Run Number | ONE |
| Depth Driller | 3600.00 feet |
| Depth Logger | 3593.00 feet |
| First Reading | 3590.00 feet |
| Last Reading | 1081.00 feet |
| Casing Driller | 1083.00 feet |
| Casing Logger | 1081.00 feet |
| Bit Size | 7.875 inches |
| Hole Fluid Type | CHEMICAL |
| Density / Viscosity | 9.20 lb/USg 54.00 CP |
| PH / Fluid Loss | 10.00 8.00 ml/30min |
| Sample Source | FLOWLINE |
| Run @ Measured Temp | 0.81 @ 88.0 ohm-m |
| Run @ Measured Temp | 0.65 @ 88.0 ohm-m |
| Run @ Measured Temp | 0.97 @ 88.0 ohm-m |
| Source run / Rmc | CALC |
| Run @ BHT | 0.66 @ 105.0 ohm-m |
| Time Since Circulation | 4 HOURS |
| Max Recorder Temp | 165.00 deg F |
| Equipment Name | COMPACT |
| Equipment Base | LUB |
| Recorded By | L'YNN SCOTT |
| Witnessed By | RODNEY NAPIER |
| S.O.# / JOB# | CLAYTON CAMOZZI LE10135 |

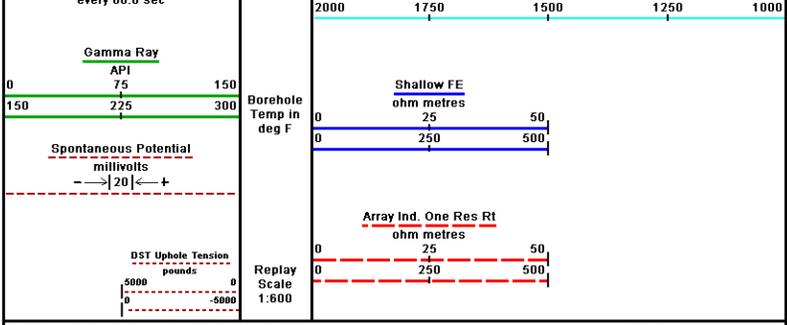
One Inch Main Pass
 Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 11-JUN-2010 10:27
 Filename: C:\DOCUME~1\Clayton\LOCALS~1\Temp\Weatherfor...DOME LIVING TRUST ET AL 1-8_002.dta
 Recorded on 10-JUN-2010 20:03
 System Versions: Logged with 10.08.1568 Plotted with 10.01.0282











Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 11-JUN-2010 10:27
 Filename: C:\DOCUME~1\Clayton\LOCALS~1\Temp\Weatherfor...DOME LIVING TRUST ET AL 1-8_002.dta
 Recorded on 10-JUN-2010 20:03
 System Versions: Logged with 10.08.1568 Plotted with 10.01.0282

↑ One Inch Main Pass ↑

COMPANY SAMUEL GARY JR. & ASSOCIATES, INC.
 WELL DOME LIVING TRUST ET AL #1-8
 FIELD WILDCAT
 PROVINCE/COUNTY RUSH
 COUNTRY/STATE U.S.A. / KANSAS

| | | | | | |
|-------------------------|---------|------|---------------|---------|------|
| Elevation Kelly Bushing | 1940.00 | feet | First Reading | 3590.00 | feet |
| Elevation Drill Floor | 1939.00 | feet | Depth Driller | 3600.00 | feet |
| Elevation Ground Level | 1930.00 | feet | Depth Logger | 3593.00 | feet |



ARRAY INDUCTION
 SHALLOW FOCUSSED
 ELECTRIC LOG