

ARRAY INDUCTION  
SHALLOW FOCUSED  
ELECTRIC LOG

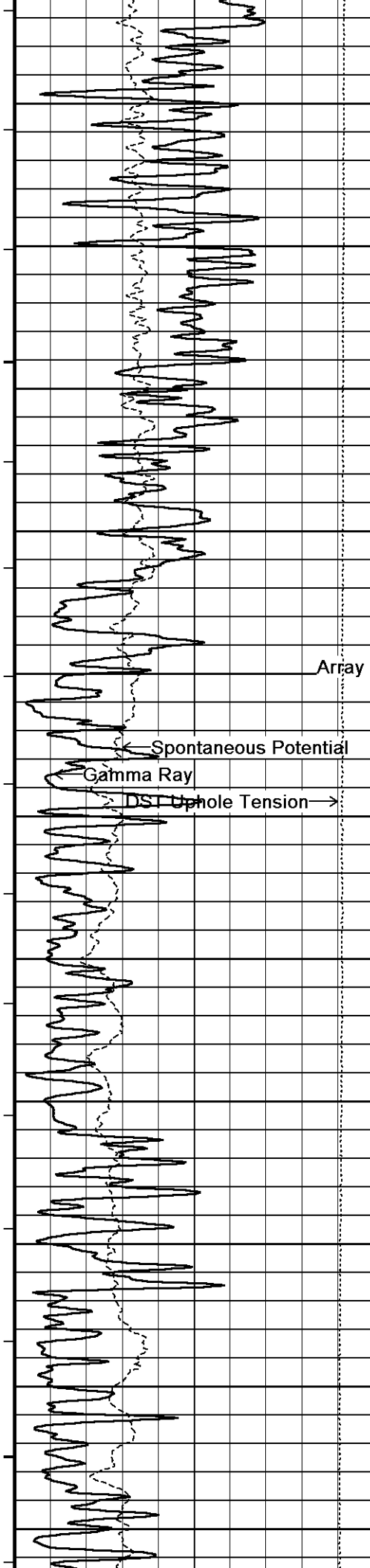
|                                                        |                        |               |                |
|--------------------------------------------------------|------------------------|---------------|----------------|
| COMPANY                                                | STRAT LAND EXPLORATION |               |                |
| WELL                                                   | FELICE #2-12           |               |                |
| FIELD                                                  | NW BORCHERS            |               |                |
| PROVINCE/COUNTY                                        | MEADE                  |               |                |
| COUNTRY/STATE                                          | U.S.A. / KANSAS        |               |                |
| LOCATION                                               | 1450' FNL & 330' FWL   |               |                |
| SEC                                                    | TWP                    | RGE           | Other Services |
| 12                                                     | 33S                    | 29W           | MPD/MDN        |
| API Number                                             | 15-119-21282           |               | MML            |
| Permit Number                                          |                        |               |                |
| Permanent Datum G.L., Elevation 2523 feet              |                        |               | Elevations:    |
| Log Measured From K.B. @ 12 FEET above Permanent Datum |                        |               | KB 2535.00     |
| Drilling Measured From K.B.                            |                        |               | DF 2533.00     |
| Date                                                   | 12-MAR-2011            |               |                |
| Run Number                                             | ONE                    |               |                |
| Depth Driller                                          | 6070.00                | feet          |                |
| Depth Logger                                           | 6066.00                | feet          |                |
| First Reading                                          | 6063.00                | feet          |                |
| Last Reading                                           | 1524.00                | feet          |                |
| Casing Driller                                         | 1528.00                | feet          |                |
| Casing Logger                                          | 1524.00                | feet          |                |
| Bit Size                                               | 7.875                  | inches        |                |
| Hole Fluid Type                                        | CHEMICAL               |               |                |
| Density / Viscosity                                    | 8.90 lb/USg            | 54.00 CP      |                |
| PH / Fluid Loss                                        | 9.00                   | 5.60 ml/30Min |                |
| Sample Source                                          | FLOWLINE               |               |                |
| Rm @ Measured Temp                                     | 1.50 @102.0            | ohm-m         |                |
| Rmf @ Measured Temp                                    | 1.20 @102.0            | ohm-m         |                |
| Rmc @ Measured Temp                                    | 1.80 @102.0            | ohm-m         |                |
| Source Rmf / Rmc                                       | CALC                   | CALC          |                |
| Rm @ BHT                                               | 1.13 @135.0            | ohm-m         |                |
| Time Since Circulation                                 | 6 HOURS                |               |                |
| Max Recorded Temp                                      | 135.00                 | deg F         |                |
| Equipment Name                                         | COMPACT                |               |                |
| Equipment / Base                                       | 13025                  | LIB           |                |
| Recorded By                                            | R. HOFFMAN             |               |                |
| Witnessed By                                           | MELVIN EARL            |               |                |
| S.O. # / JOB #                                         | 3529087                | LB11-047      |                |

| BOREHOLE RECORD    |                |                    |                    | Last Edited: 12-MAR-2011 07:22 |
|--------------------|----------------|--------------------|--------------------|--------------------------------|
| Bit Size<br>inches |                | Depth From<br>feet |                    | Depth To<br>feet               |
| 7.875              |                | 1524.00            |                    | 6066.00                        |
| CASING RECORD      |                |                    |                    |                                |
| Type               | Size<br>inches | Depth From<br>feet | Shoe Depth<br>feet | Weight<br>pounds/ft            |
| SURFACE            | 8.625          | 0.00               | 1524.00            | 24.00                          |

| REMARKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tools Used: MPD, MCG, MDN, MFE, MAI, MML<br>Hardware: MPD: 8 inch profile plate used. MAI, MFE: 0.5 Inch standoffs used. MDN: Dual Bowspring used.<br>2.71 G/CC Limestone density matrix used to calculate porosity.<br>Borehole rugosity, tight pulls, and washouts will affect data quality.<br>All intervals logged and scaled per customer's request.<br>Annular volume with 5.5 inch production casing = 648 cu. ft.<br>Service order #3529087<br>Rig: Kenai Rig #55<br>Engineer: R. Hoffman<br>Operator(s): B. Reeves, N. Adame |

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions in our price schedule.





111°

1900

112°

2000

Array Ind. One Res Rt

112°

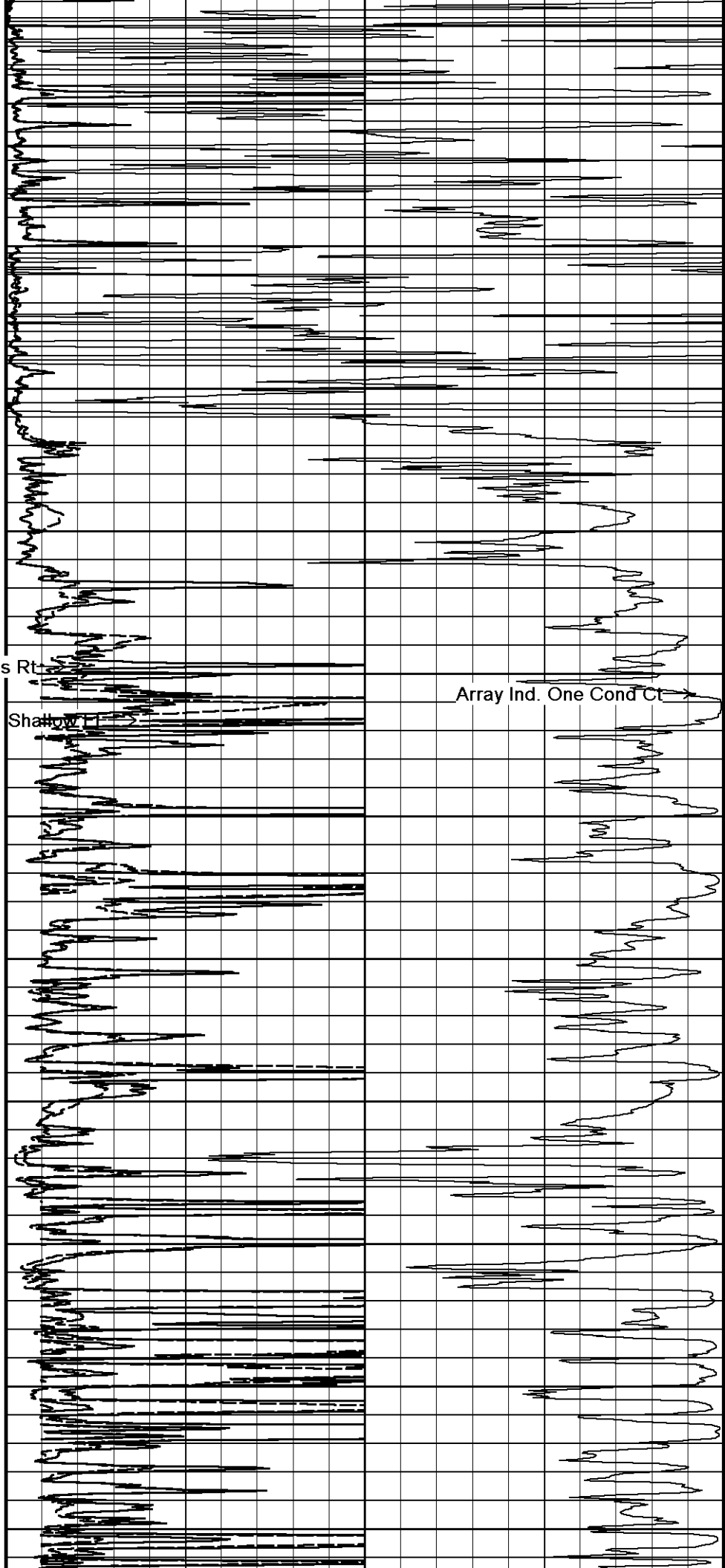
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113°

2200

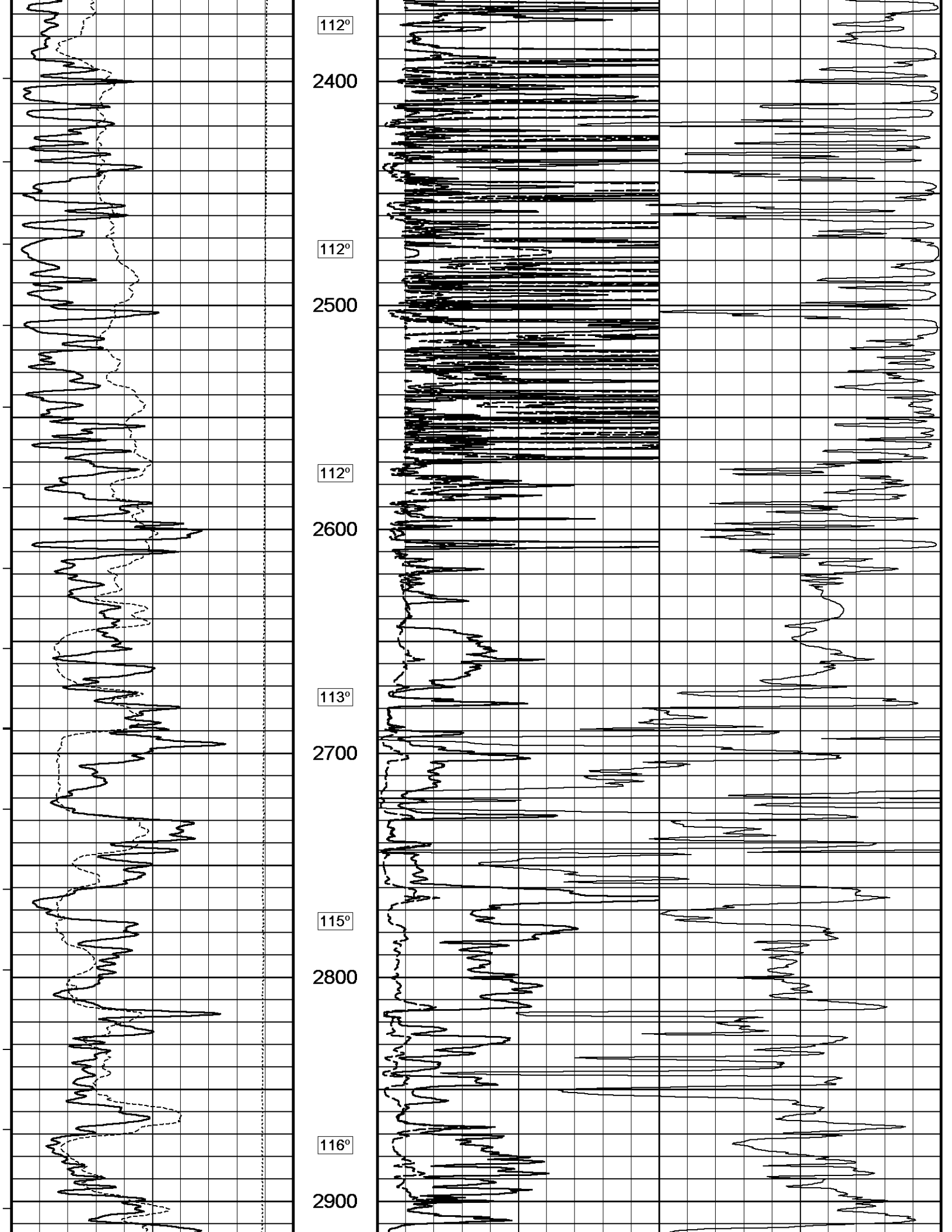
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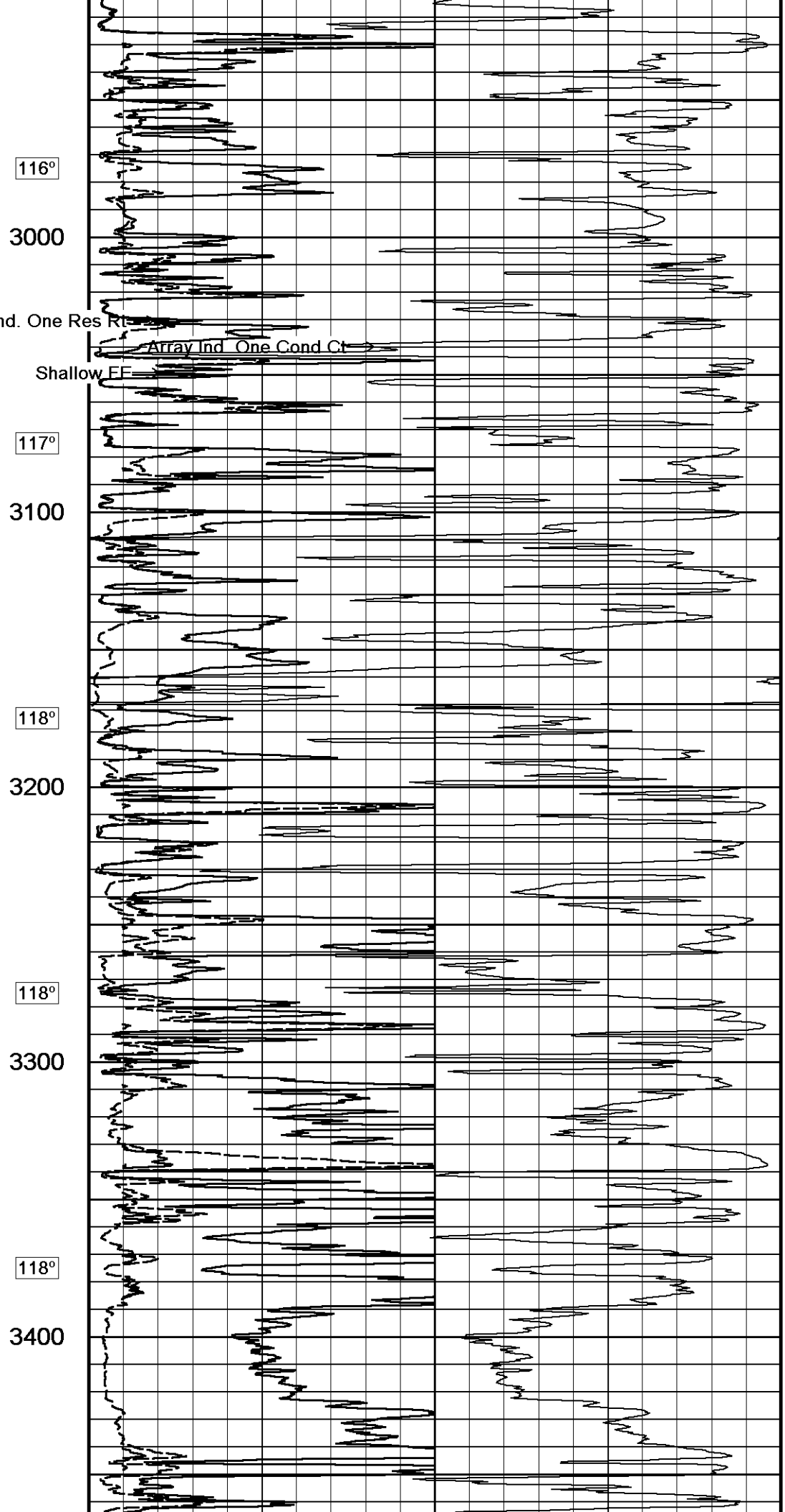
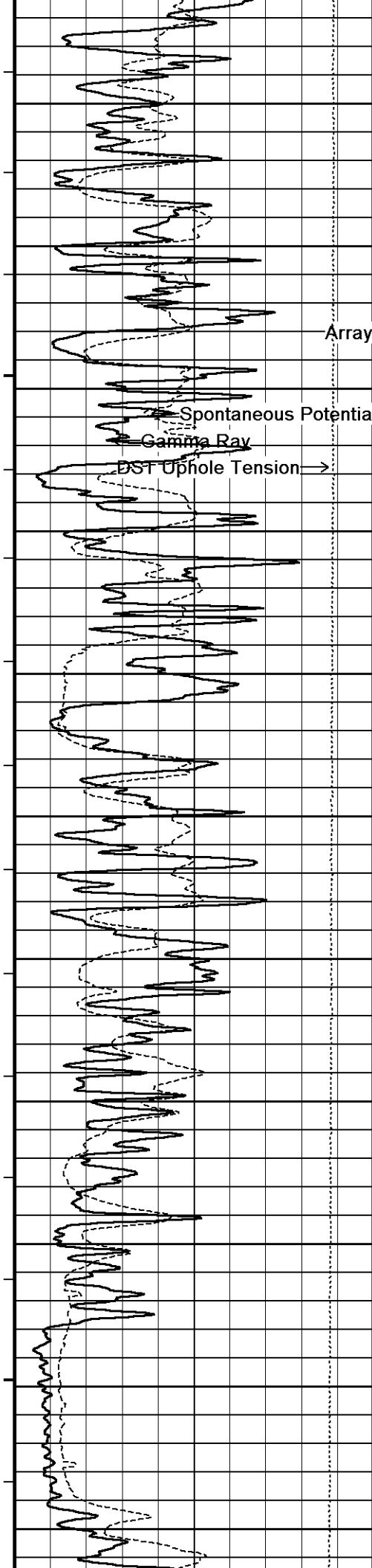
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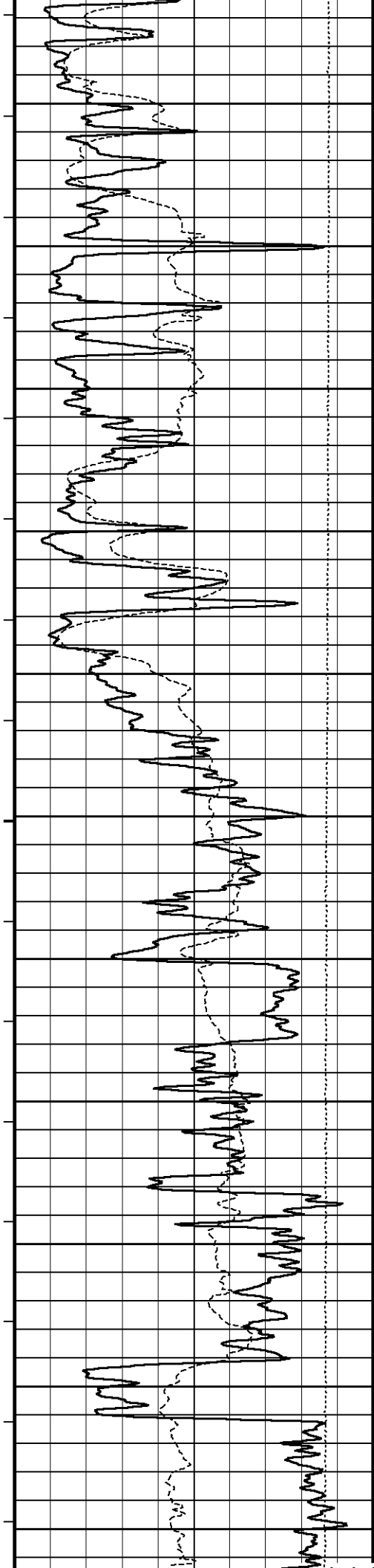


Shallow FI

Array Ind. One Cond Ct







119°

3500

119°

3600

120°

3700

121°

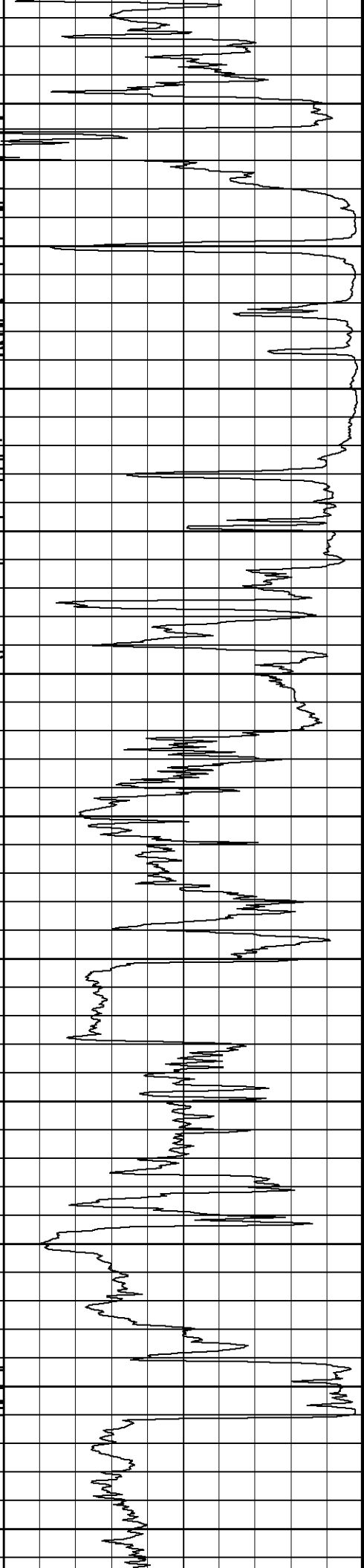
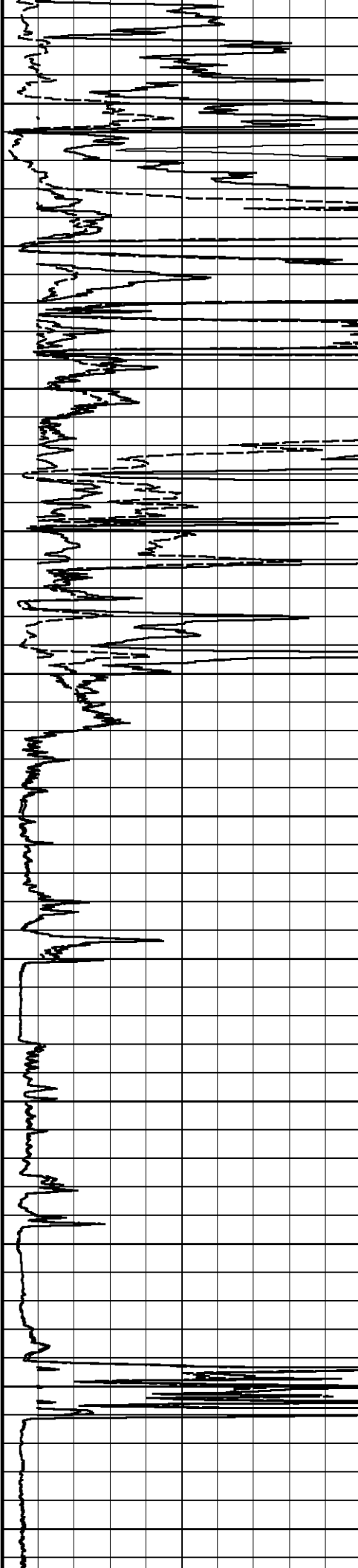
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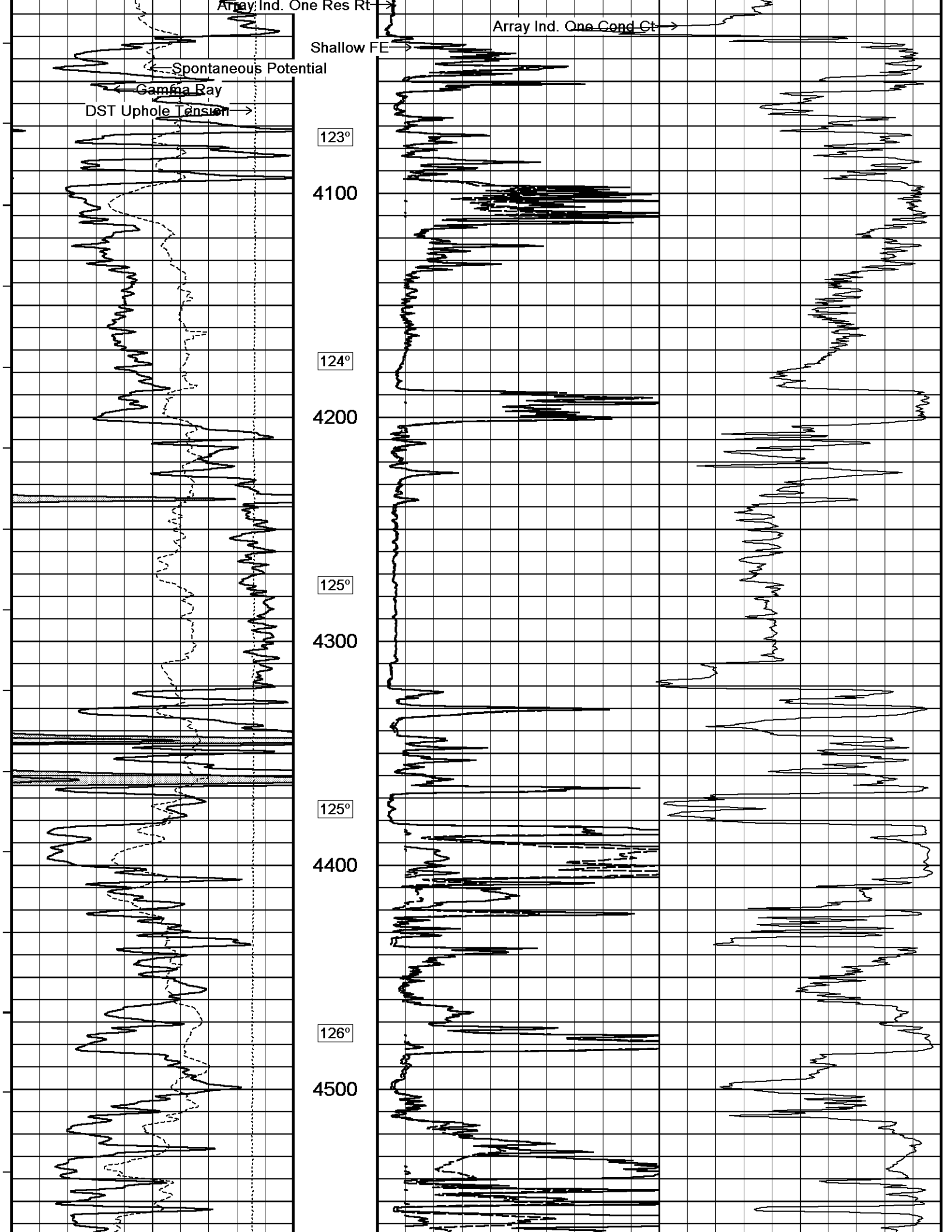
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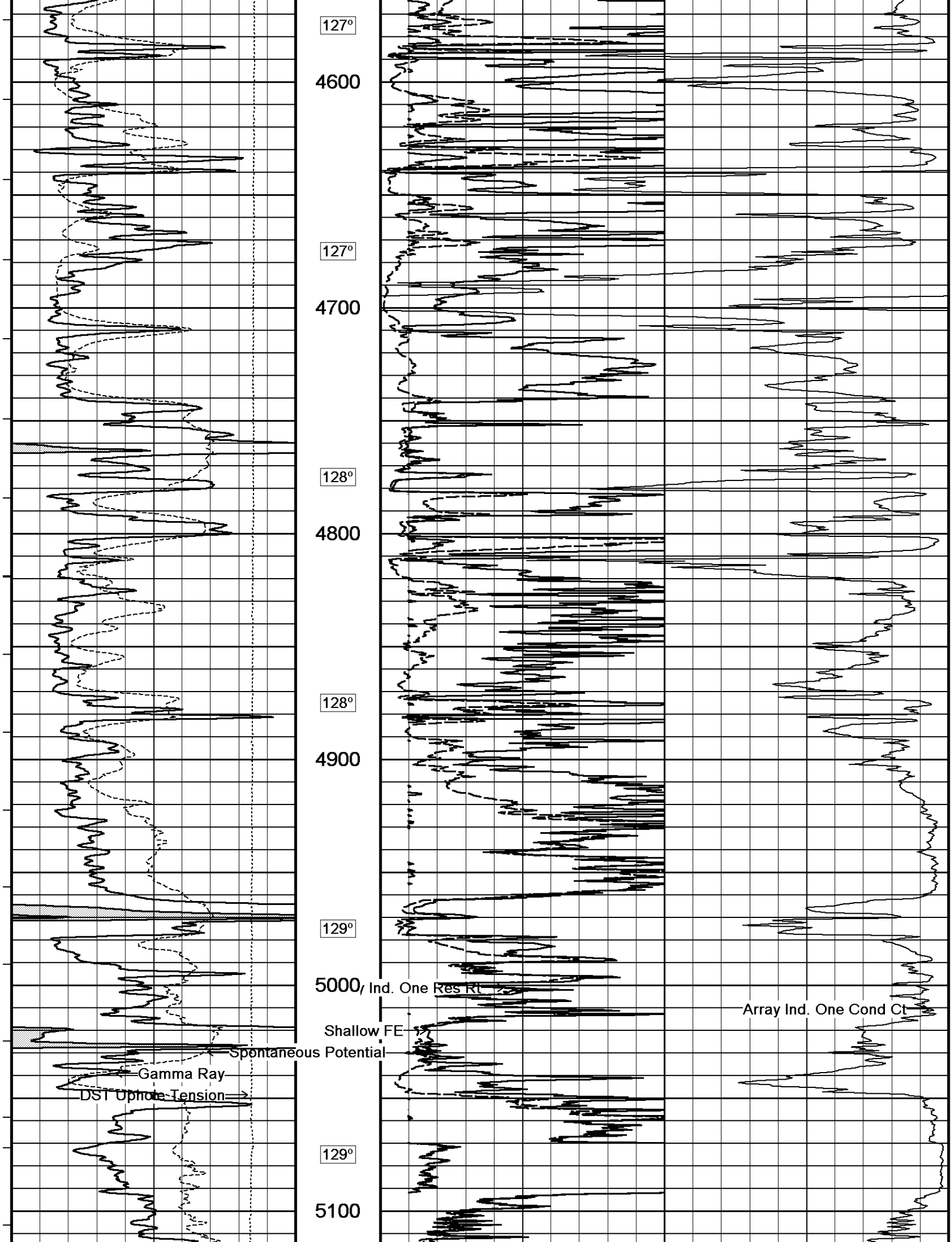
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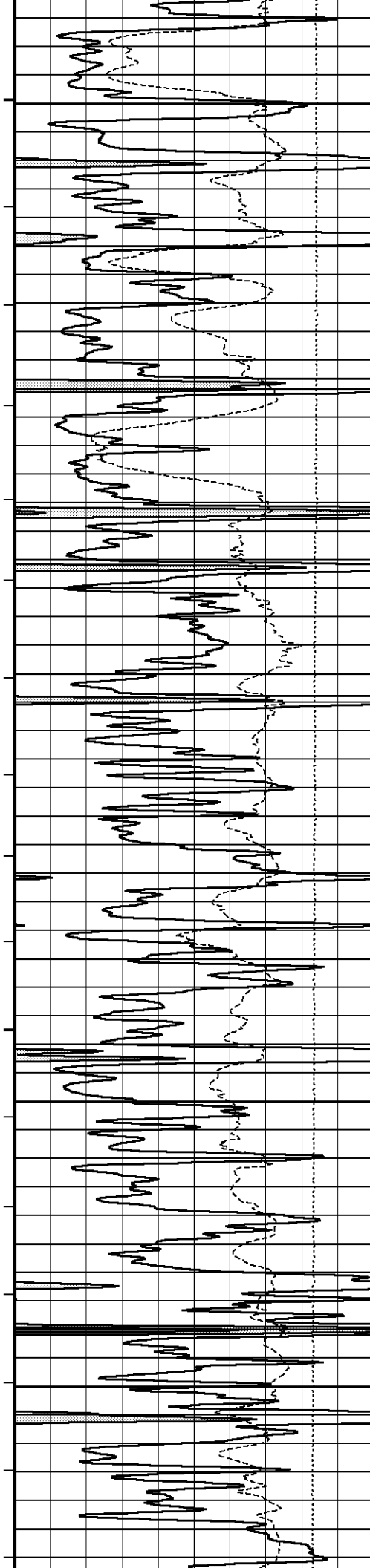
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4000









130°

5200

131°

5300

131°

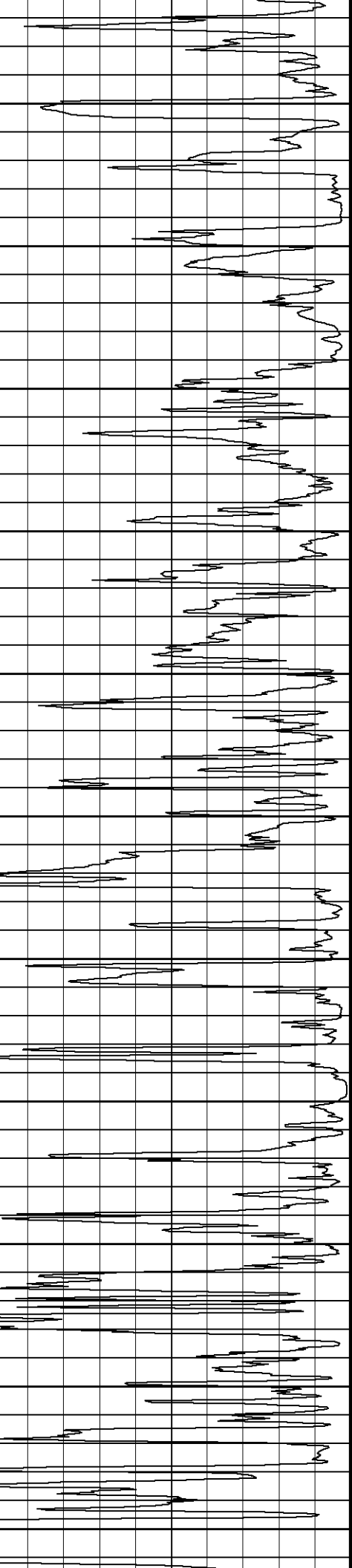
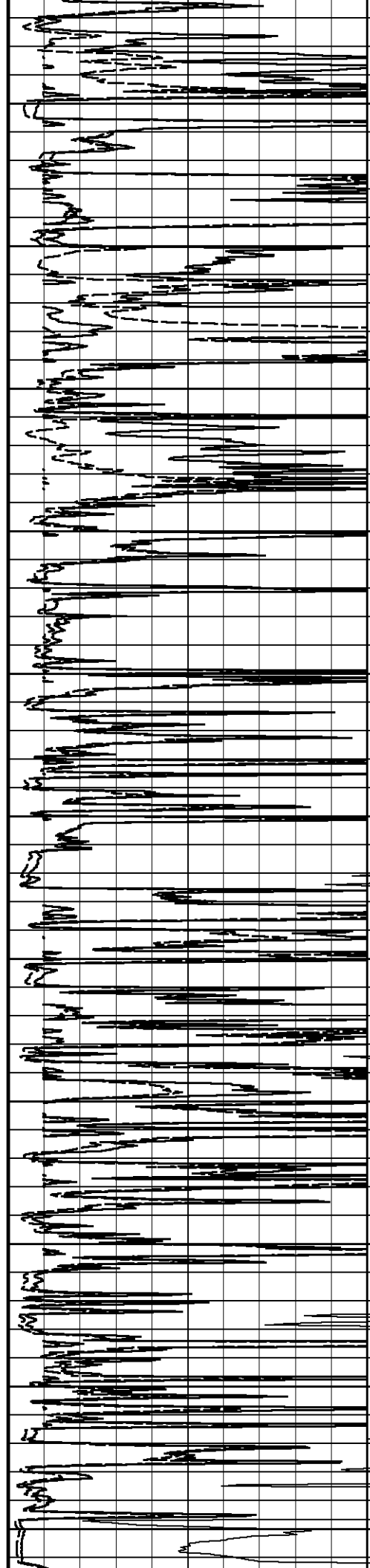
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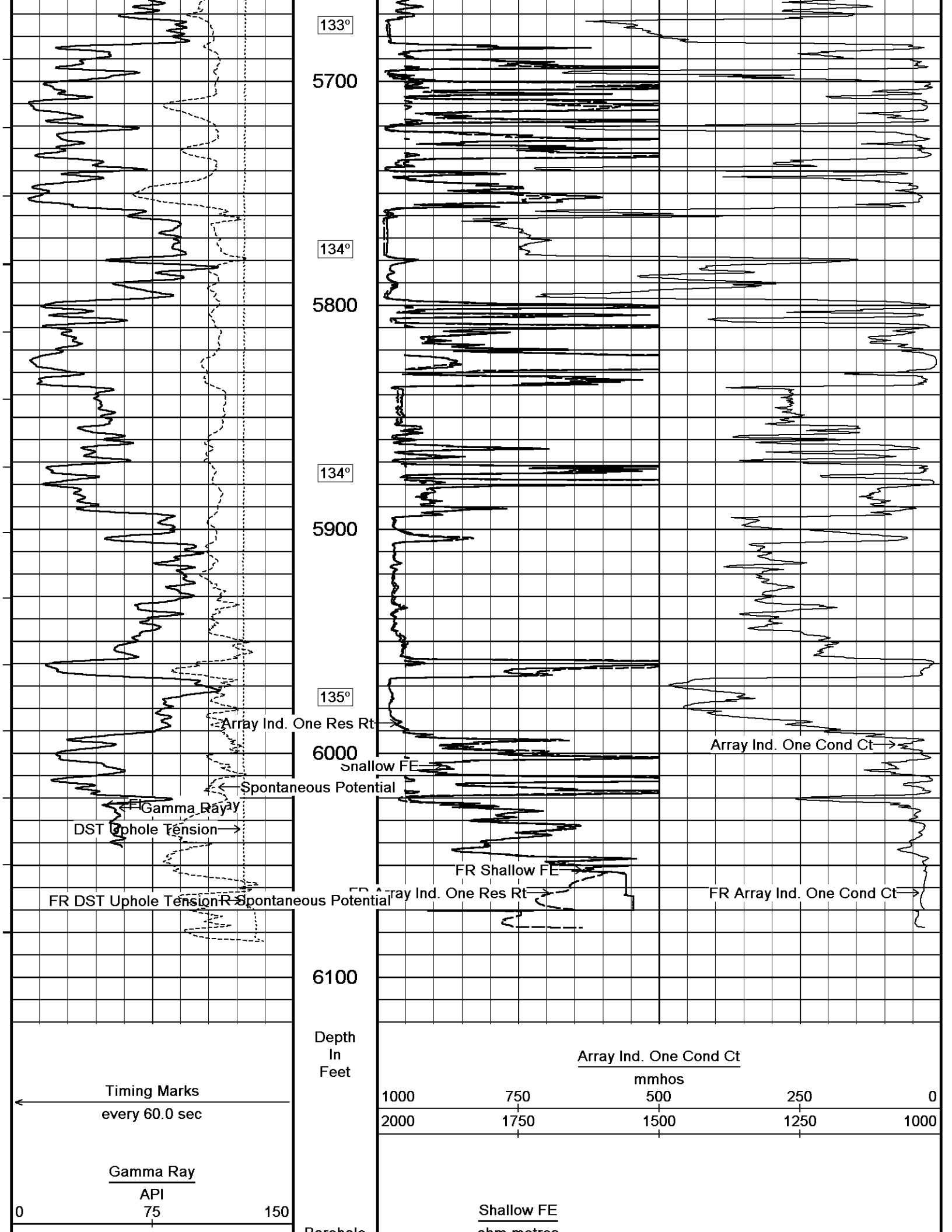
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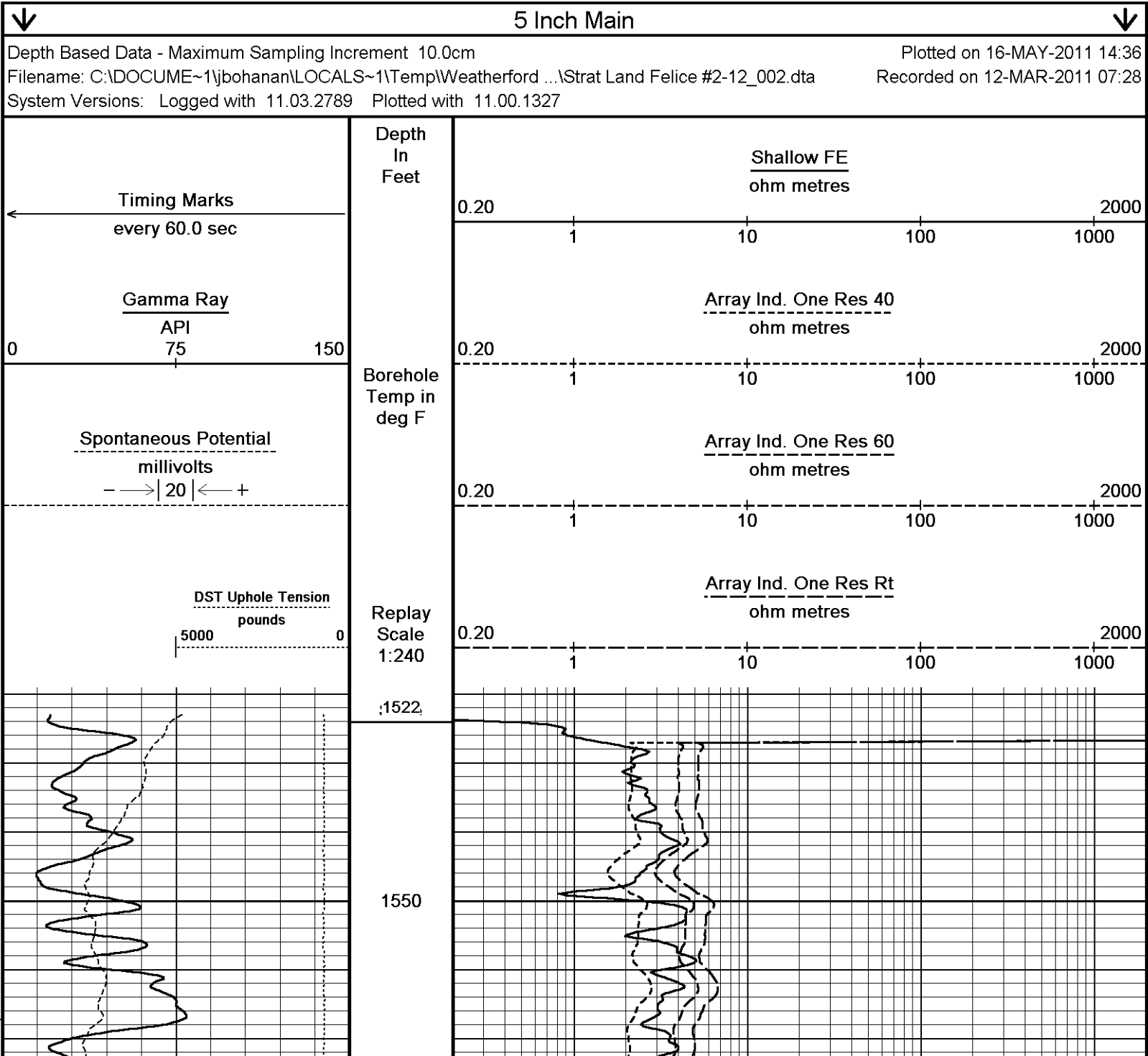
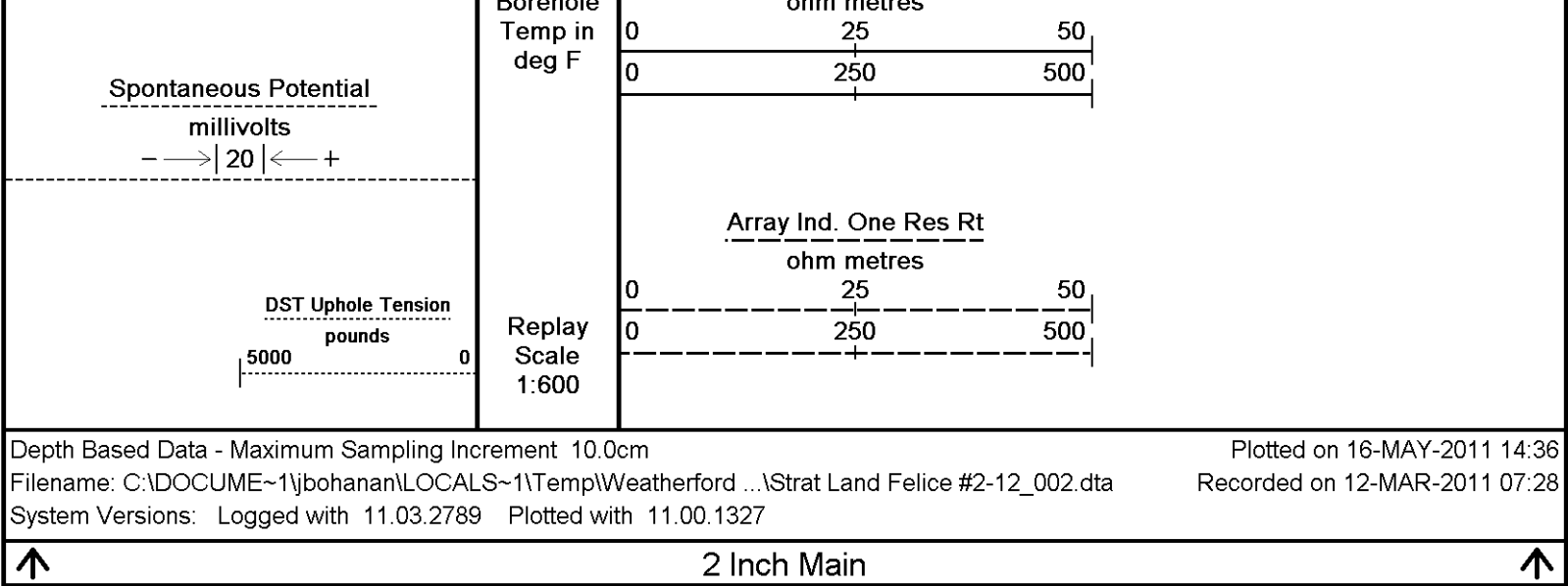
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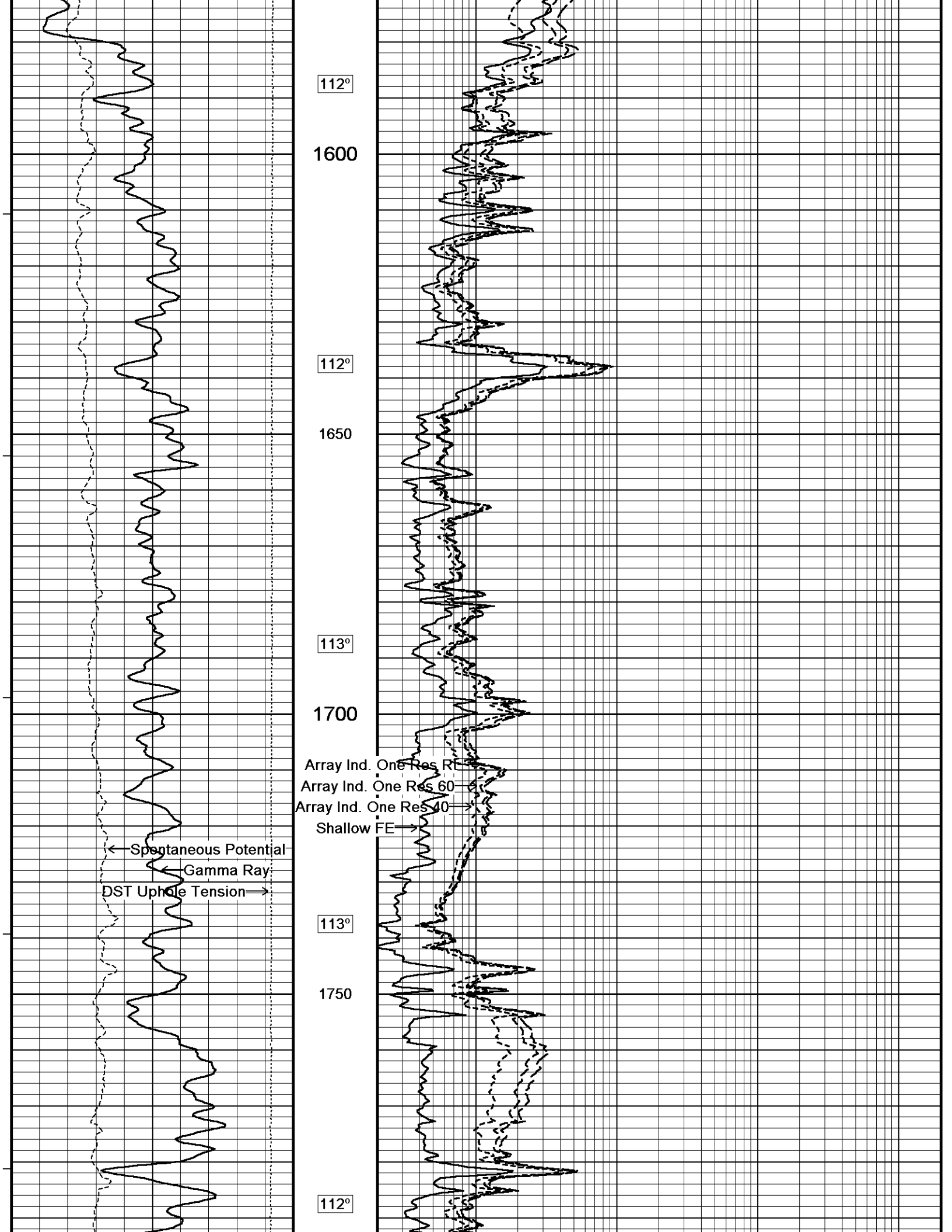
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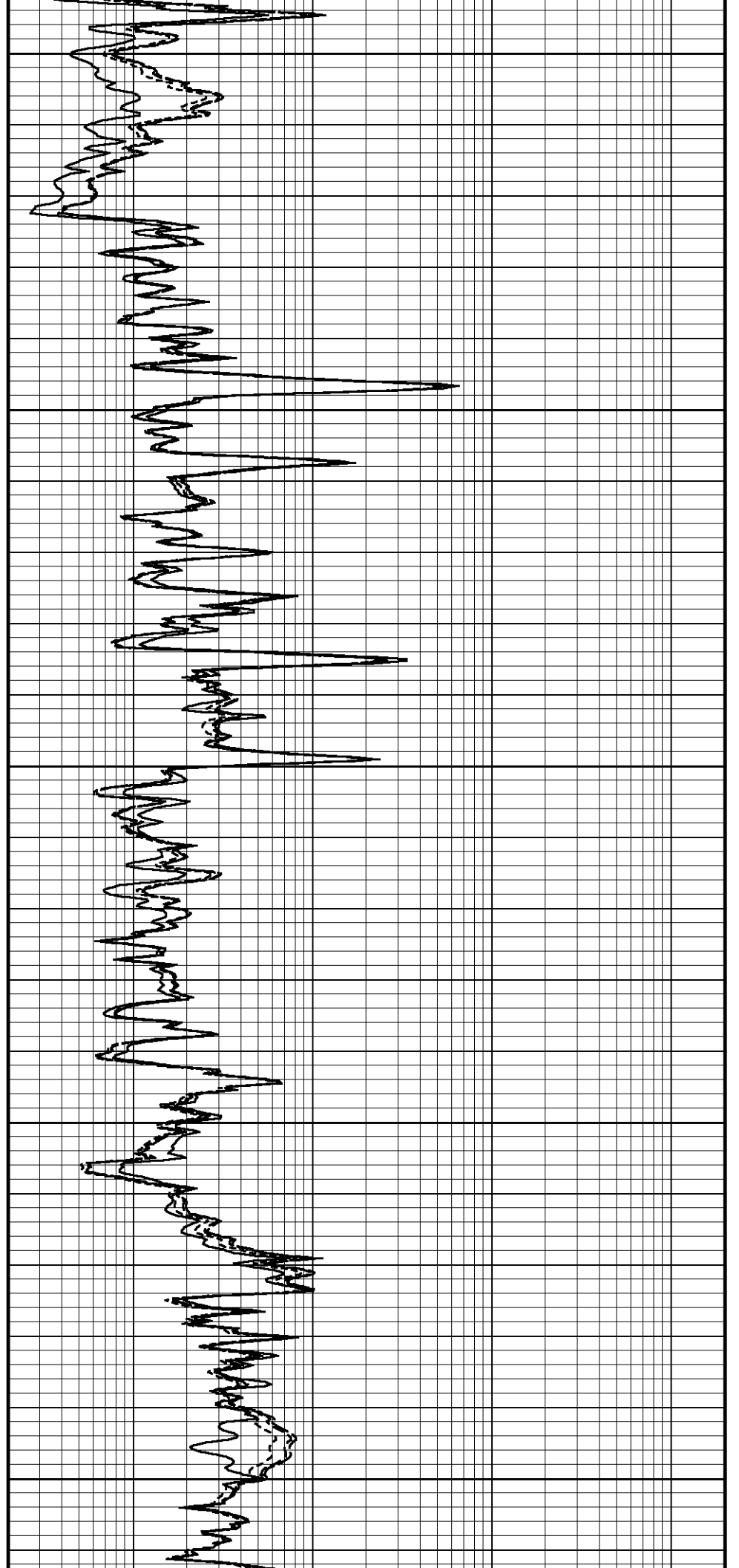
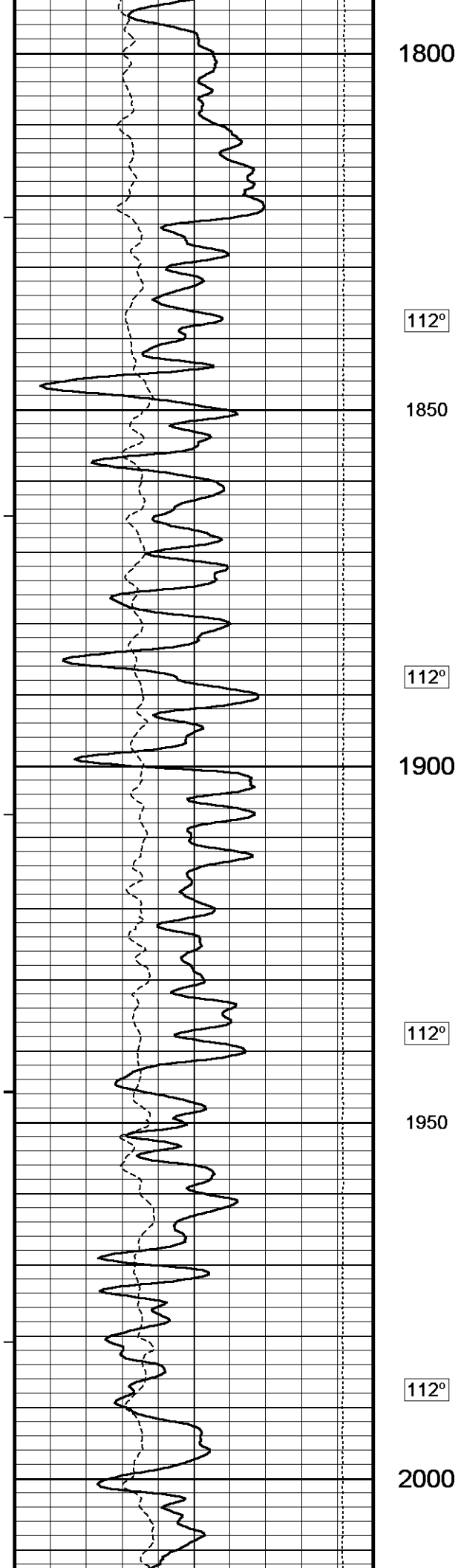
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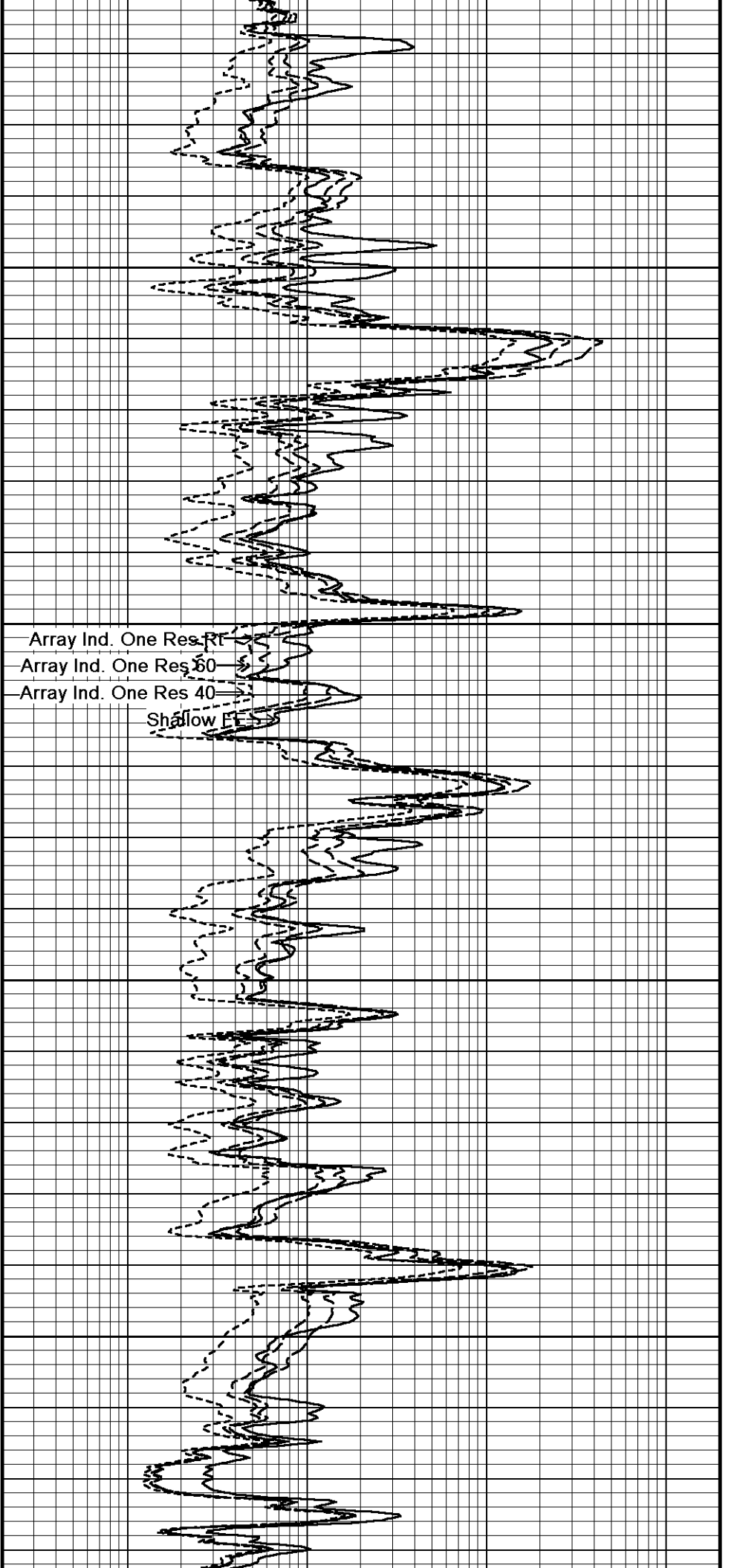
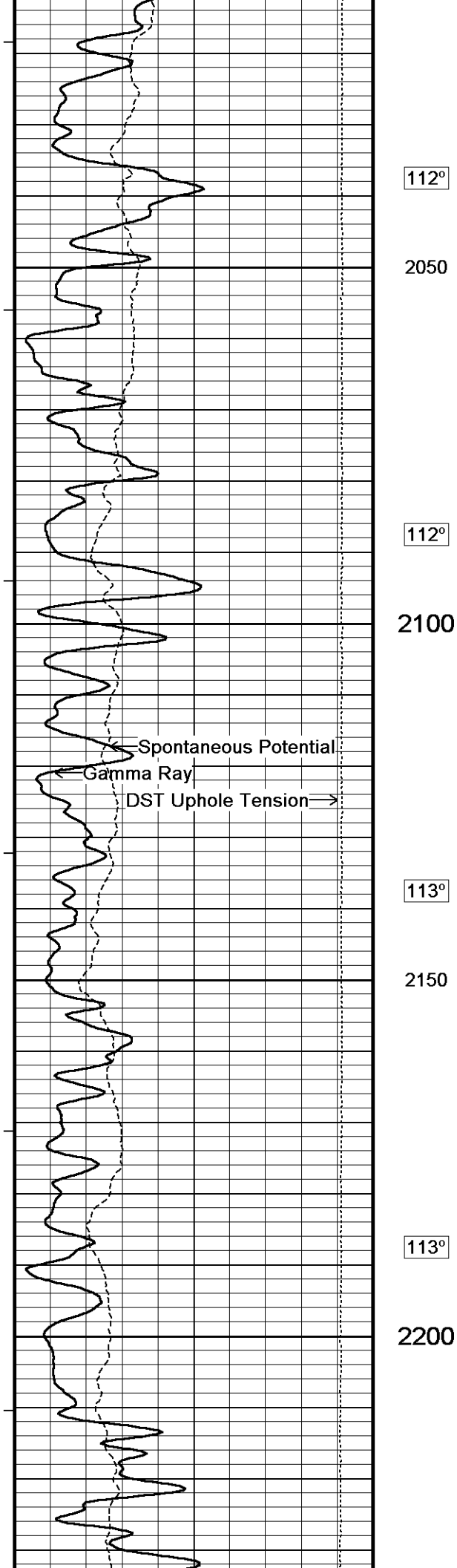


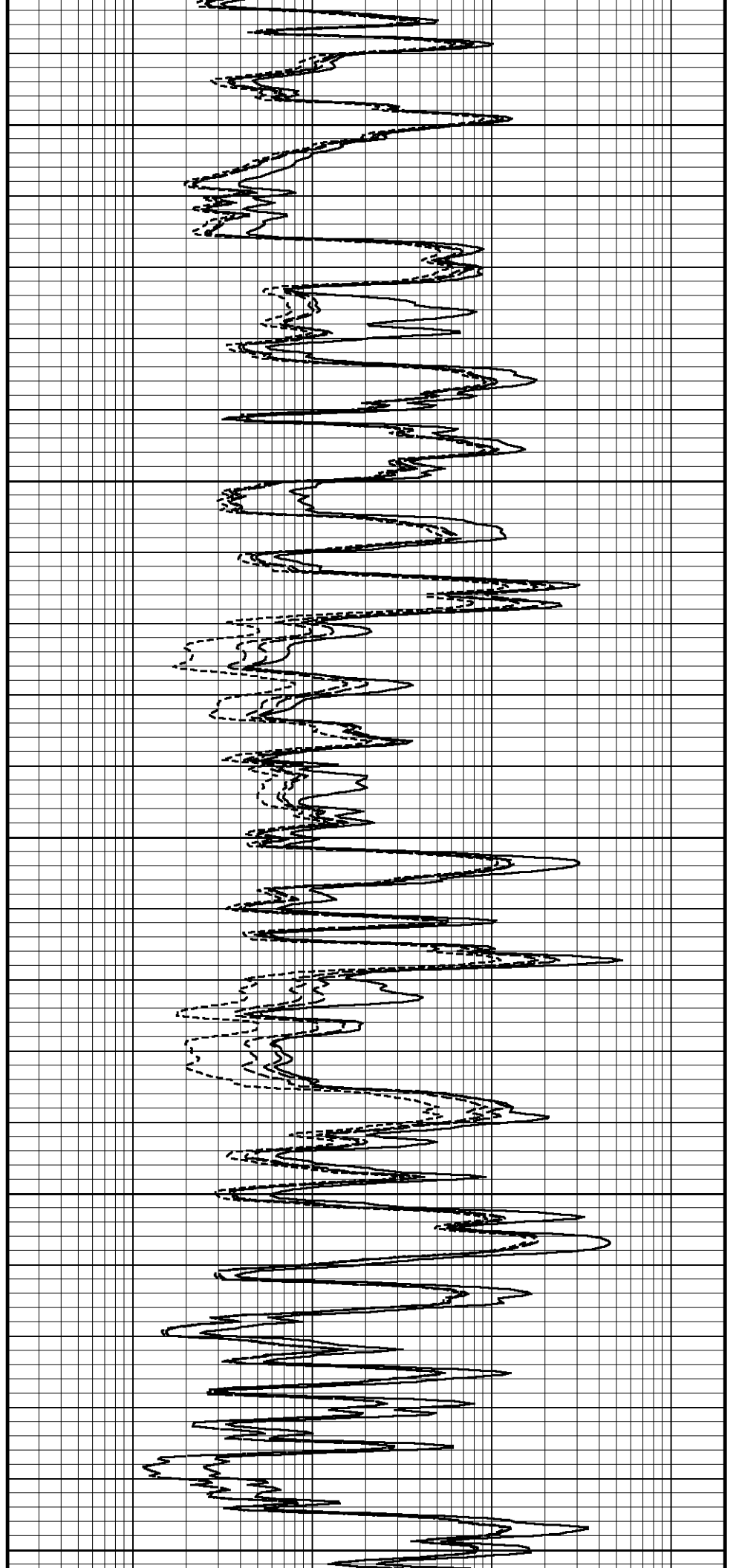
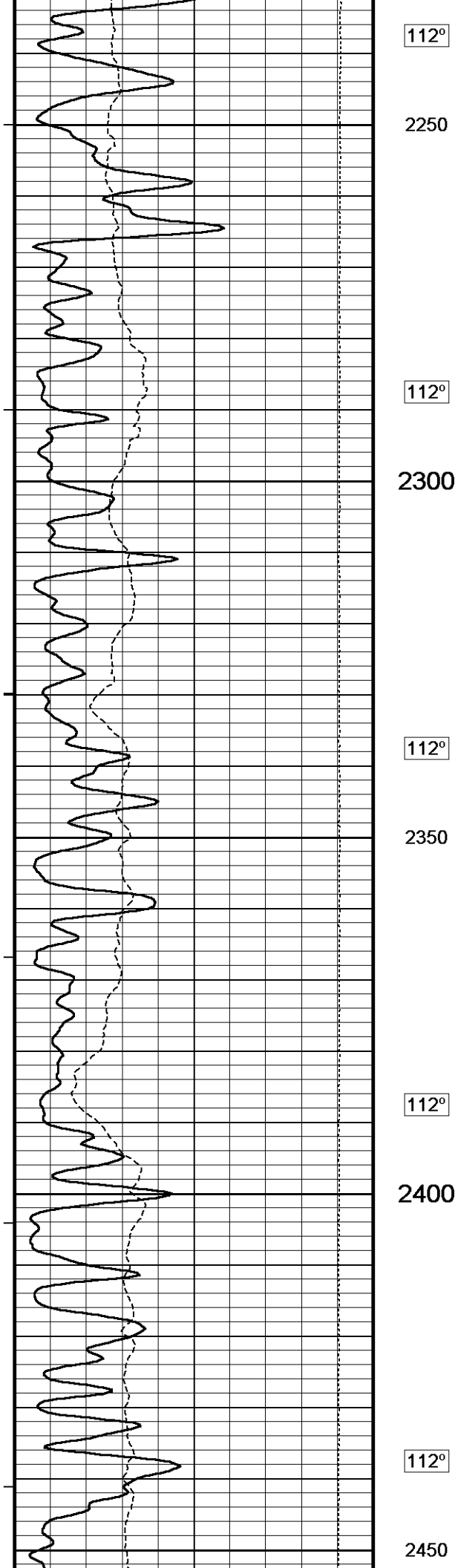


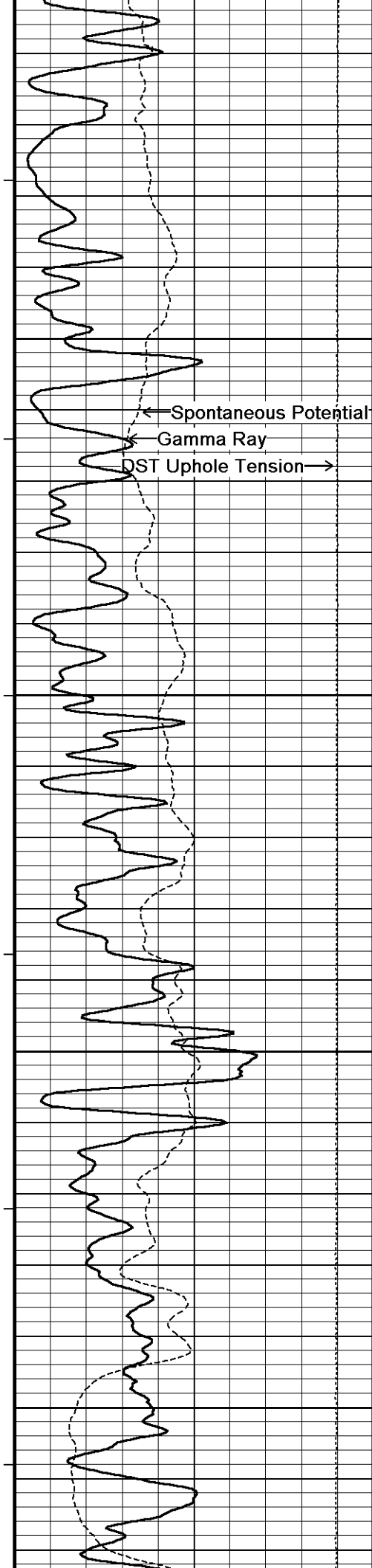












112°

2500

113°

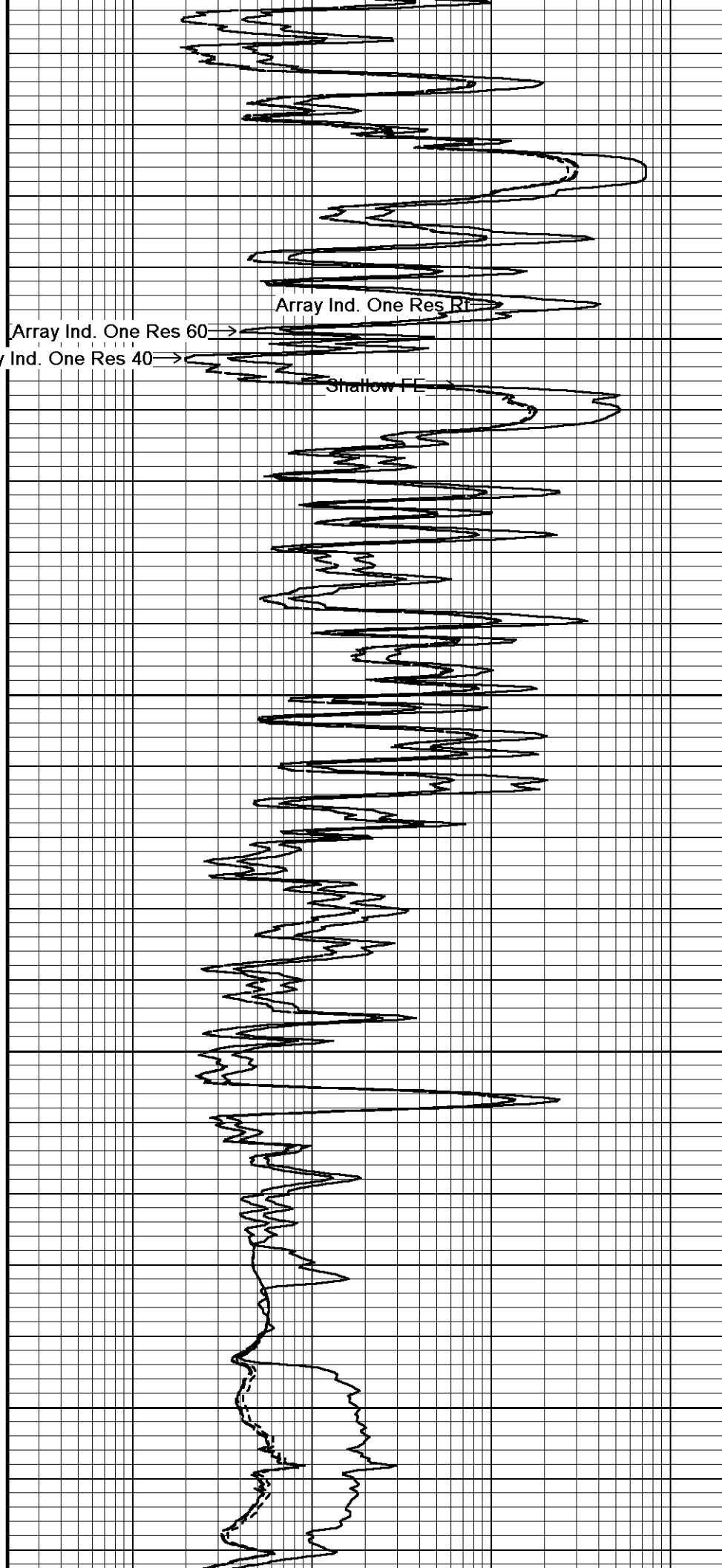
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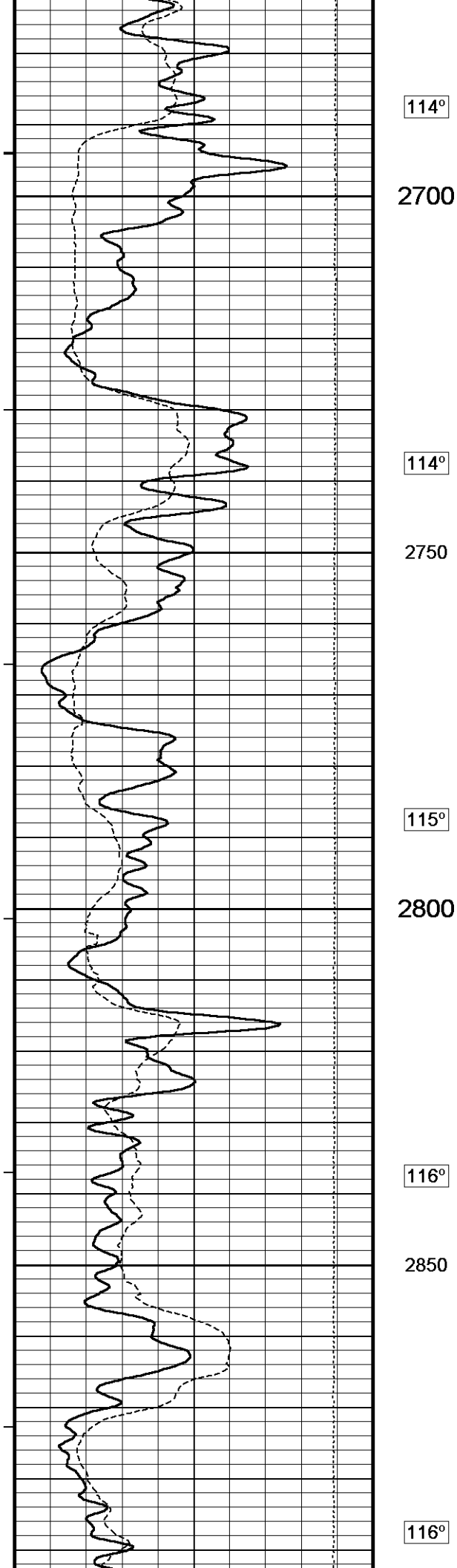
113°

2600

113°

2650





114°

2700

114°

2750

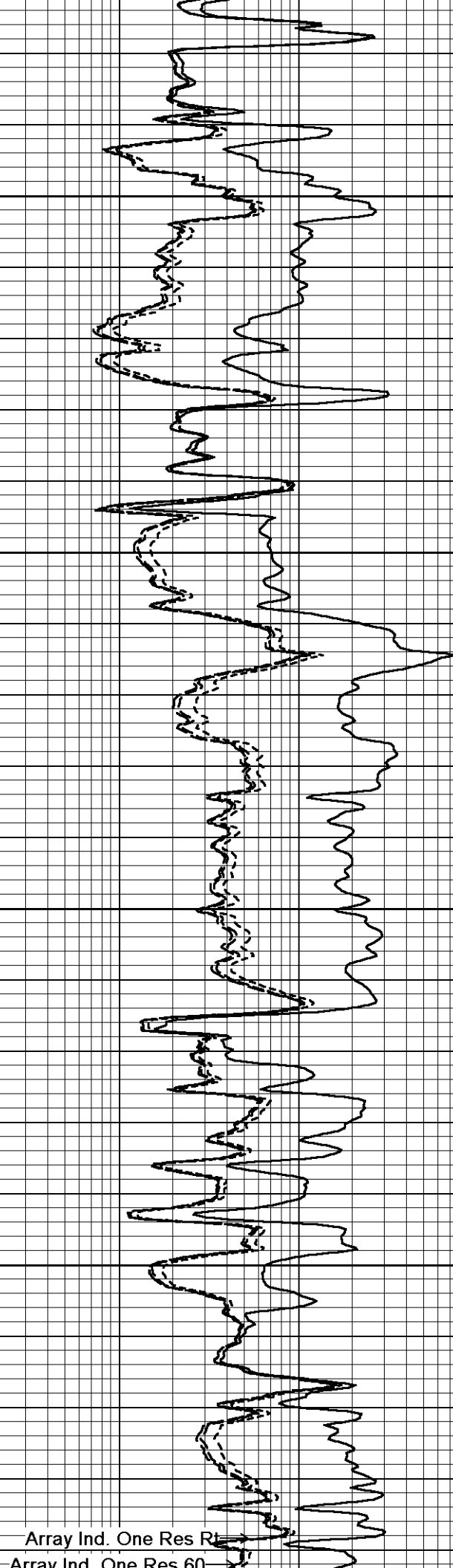
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2800

116°

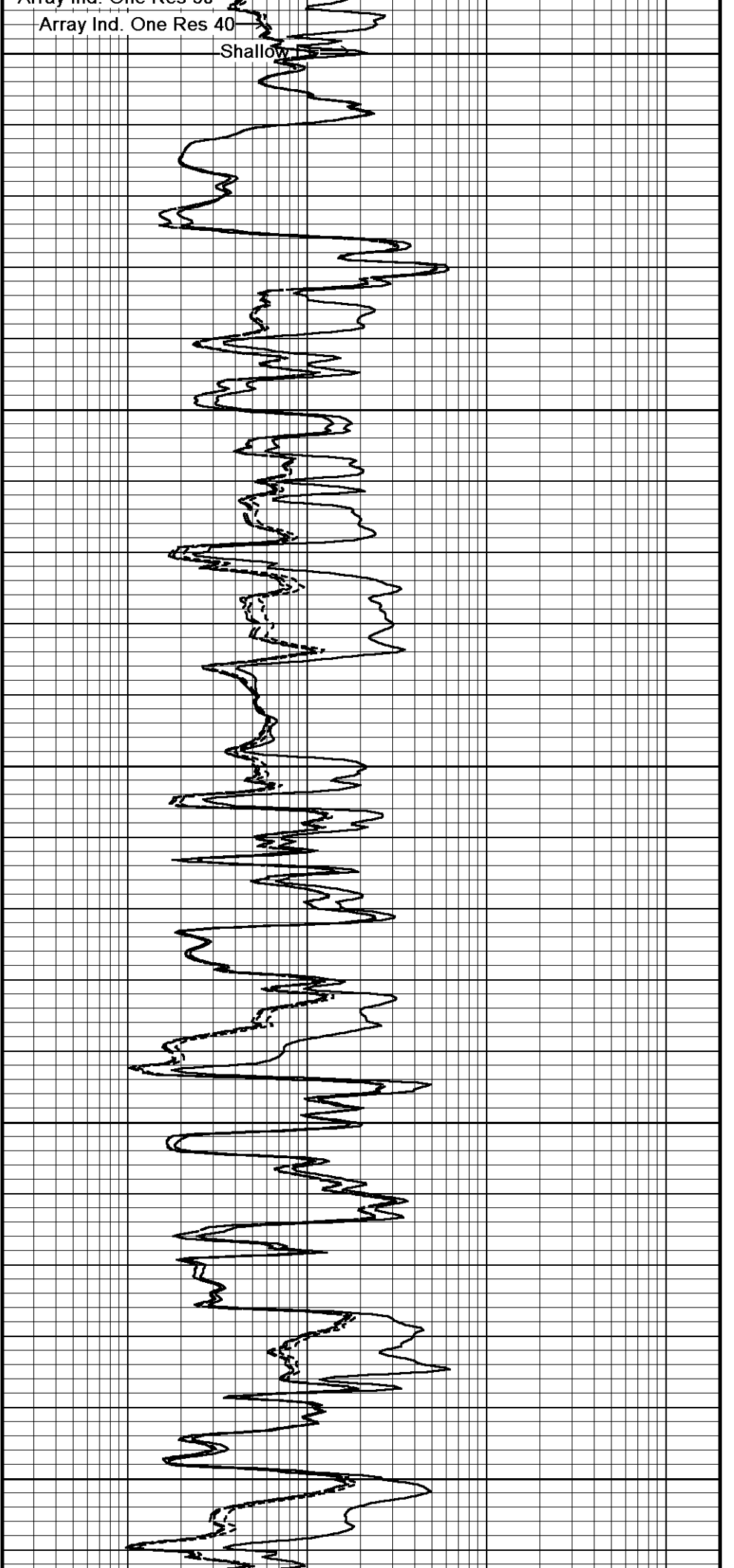
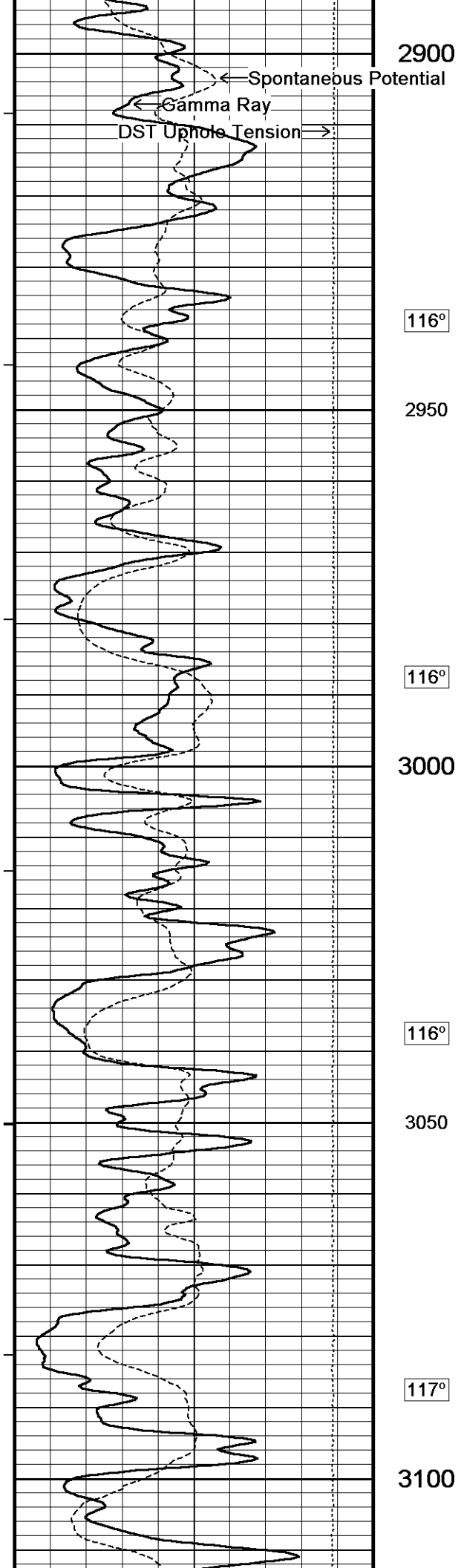
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116°



Array Ind. One Res R

Array Ind. One Res 60



117°

3150

117°

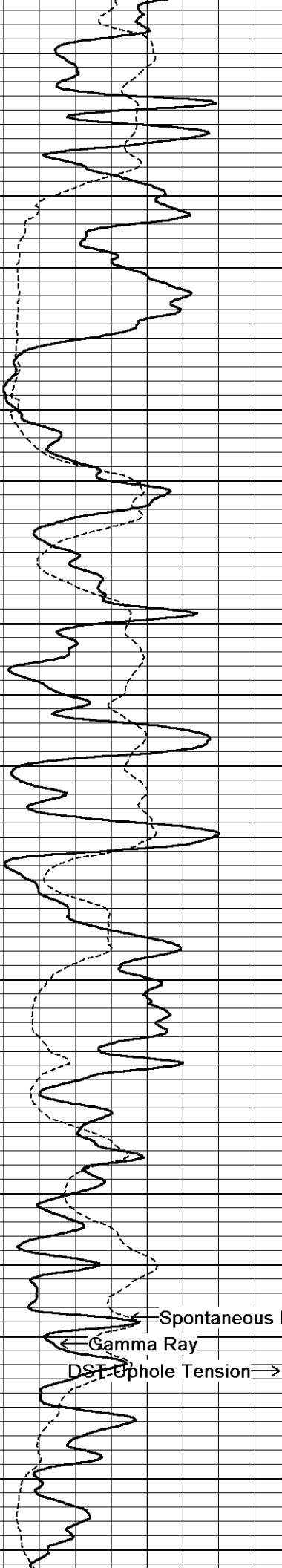
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118°

3250

118°

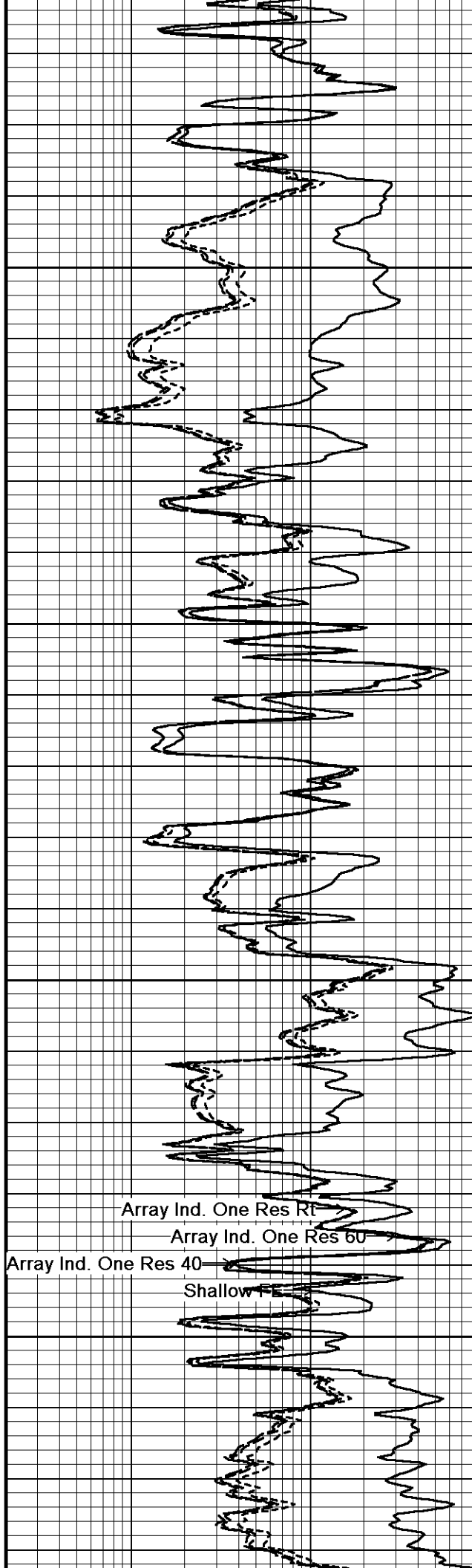
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← Spontaneous Potential

← Gamma Ray

DST-Uphole Tension →

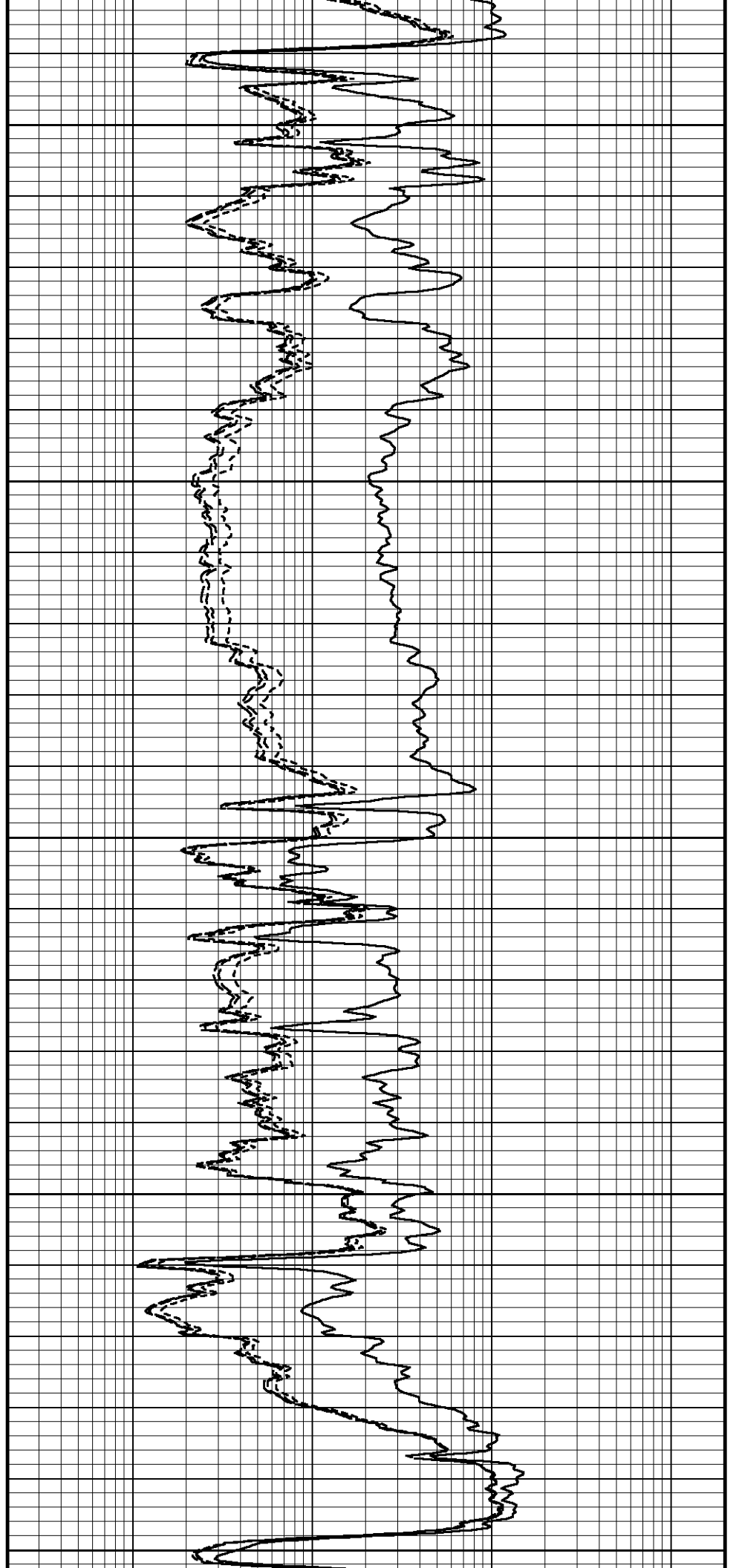
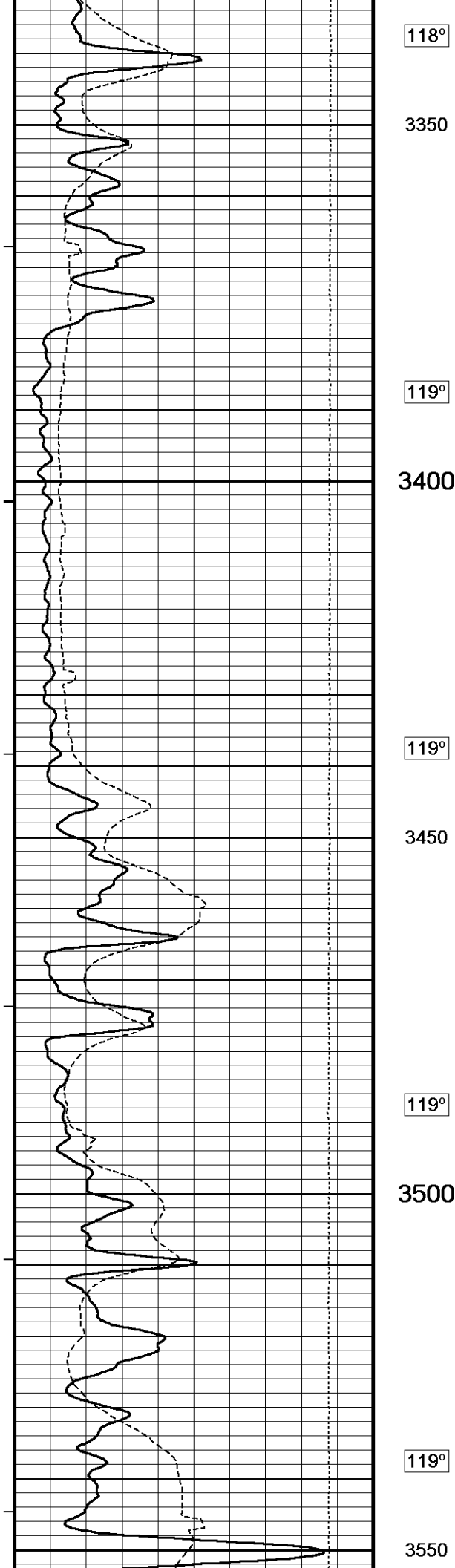


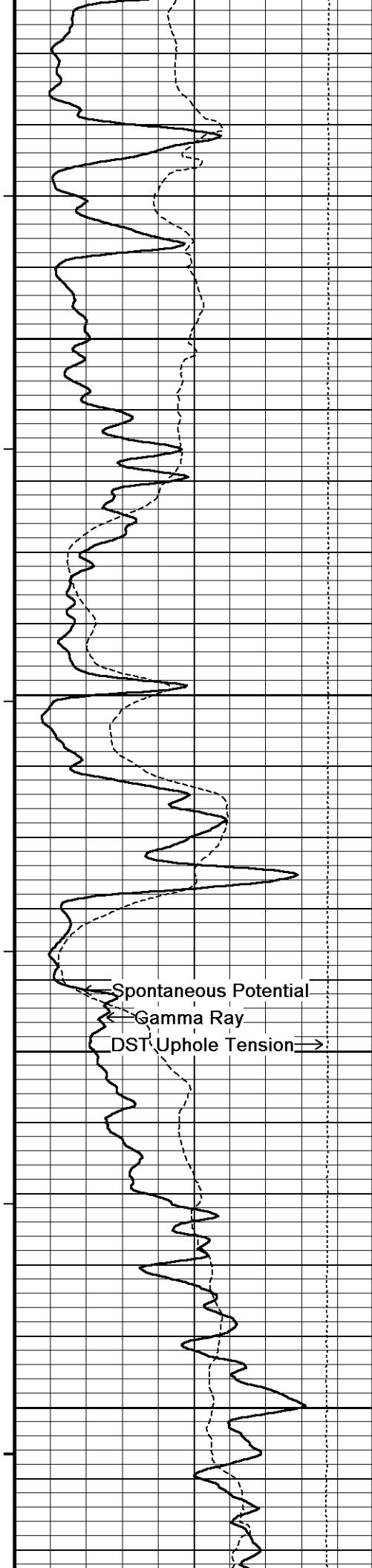
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Array Ind. One Res 60

Array Ind. One Res 40

Shallow F5





119°

3600

120°

3650

120°

3700

121°

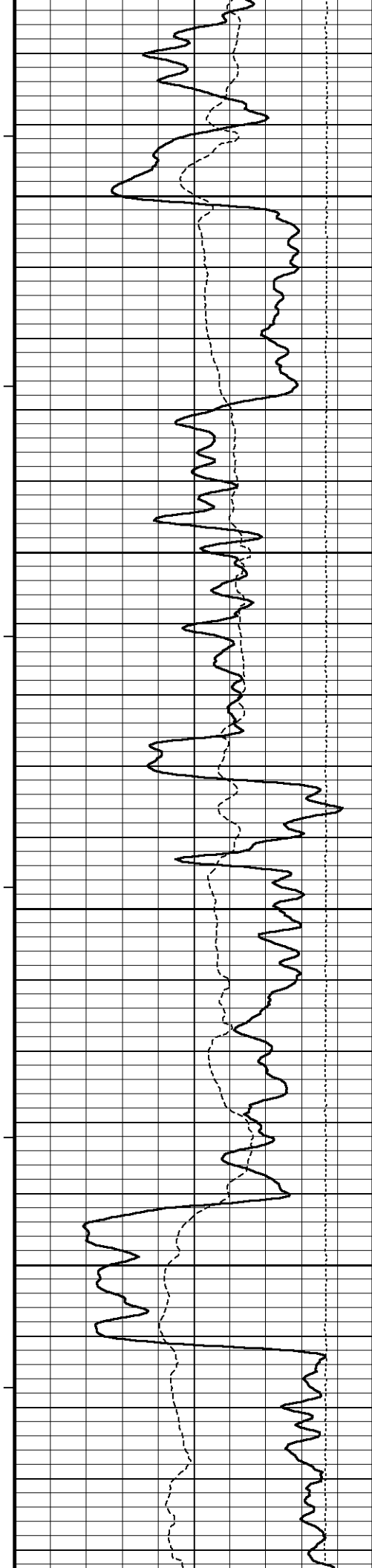
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Array Ind. One Res Rt

Array Ind. One Res 60

Array Ind. One Res 40

Shallow FE



121°

3800

122°

3850

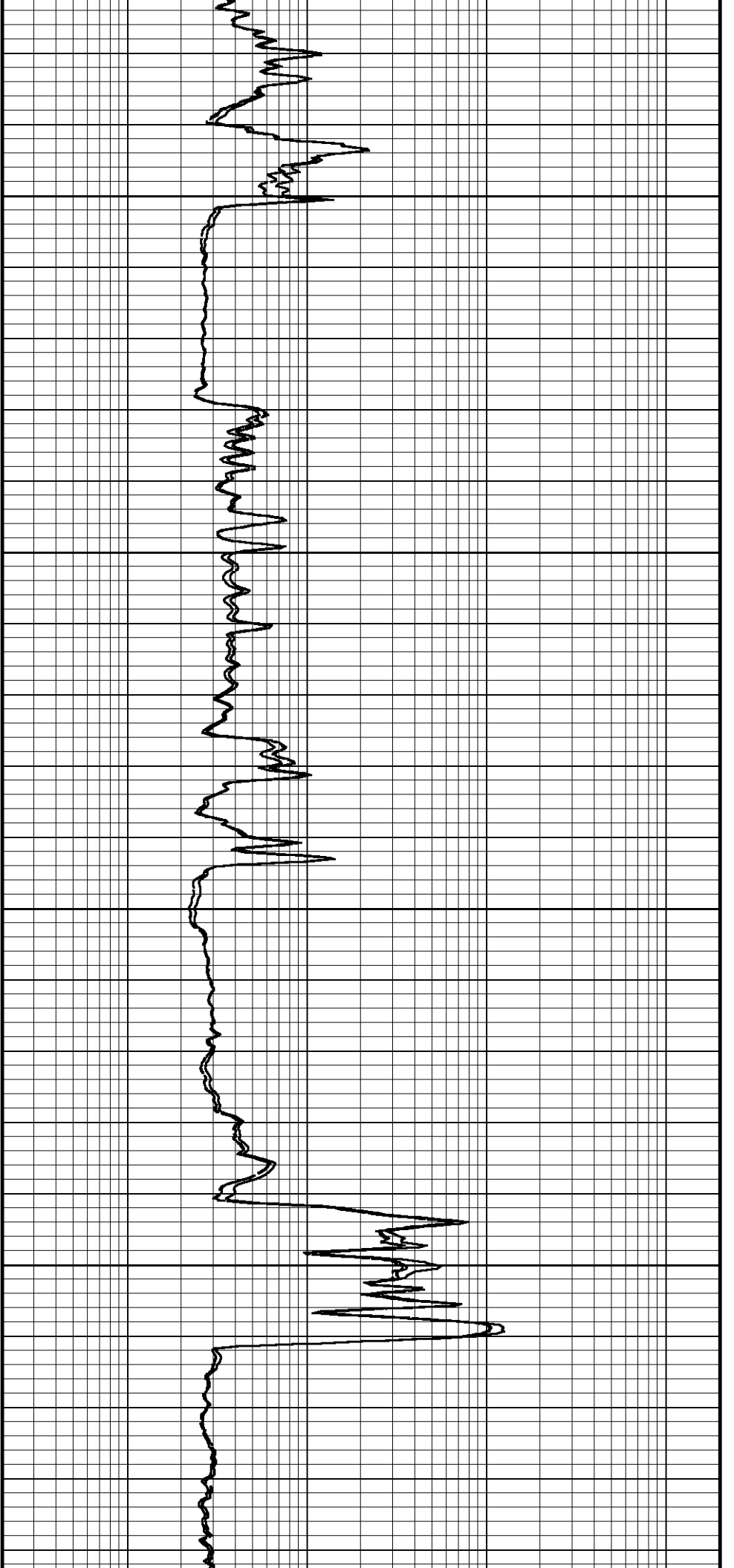
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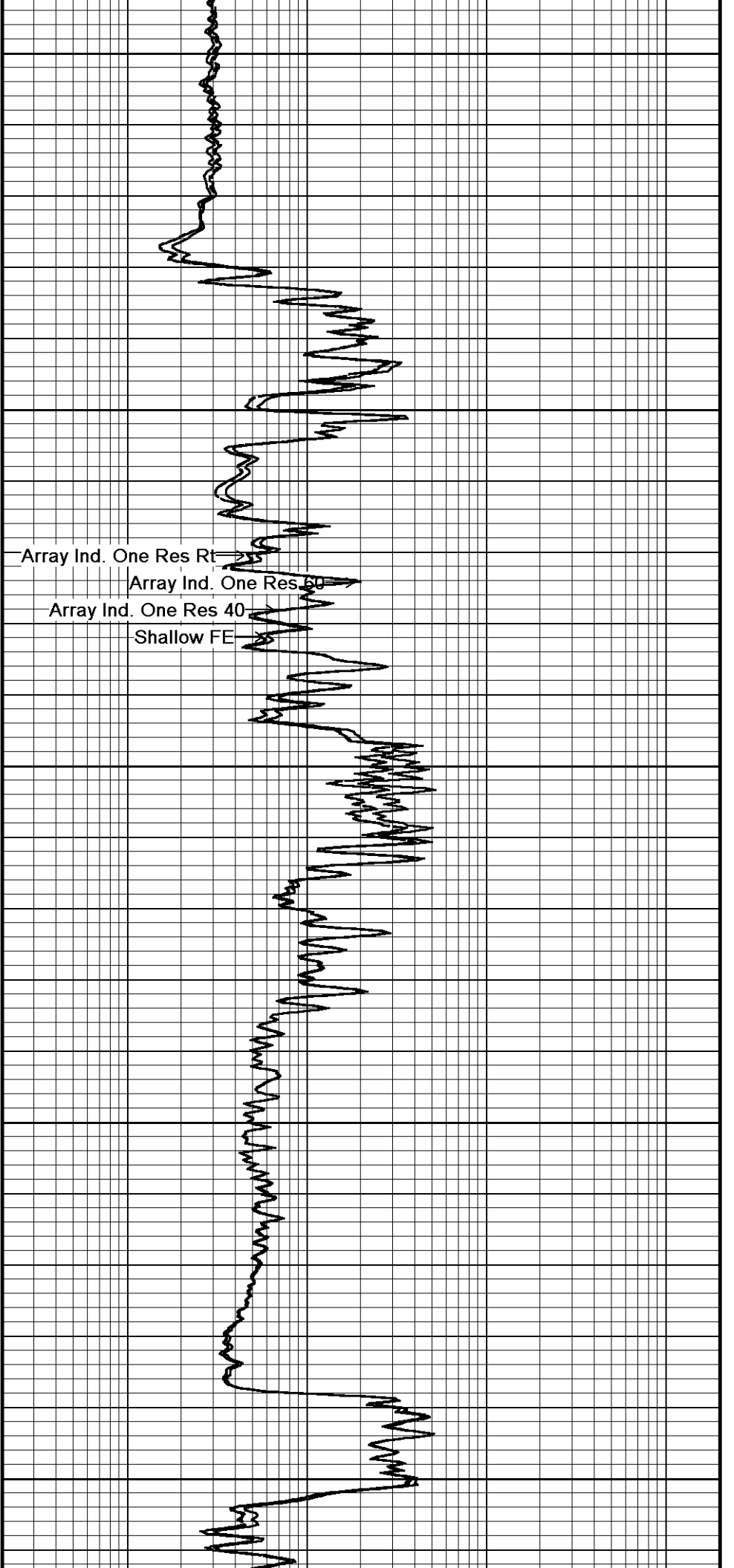
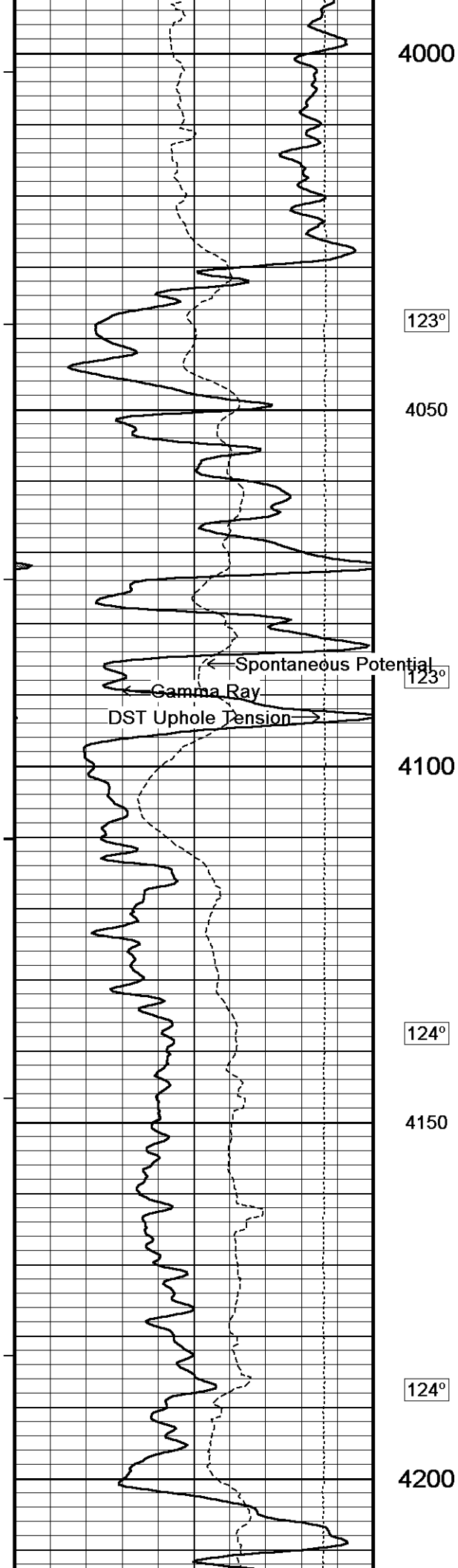
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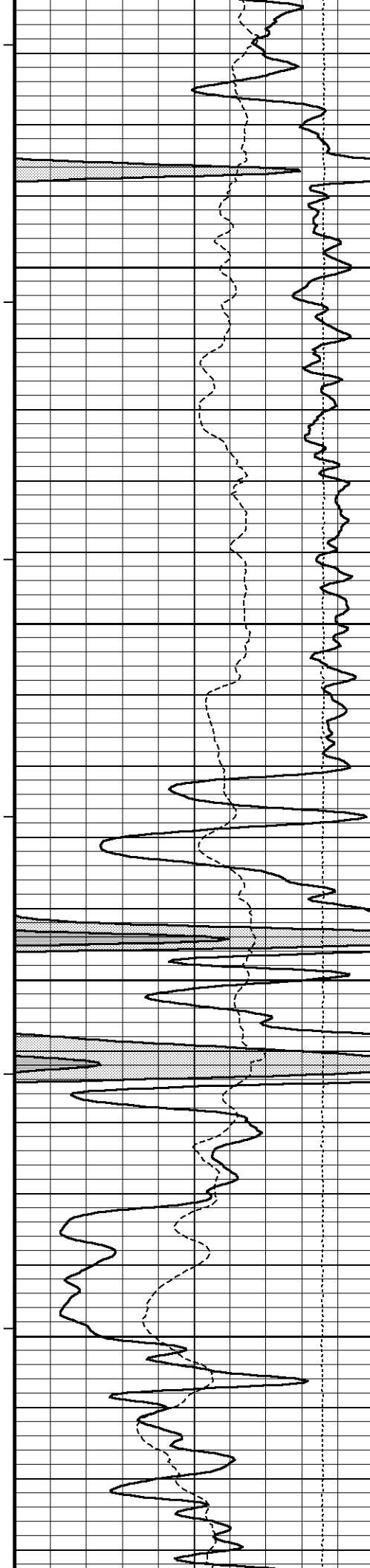
122°

3950

122°







124°

4250

125°

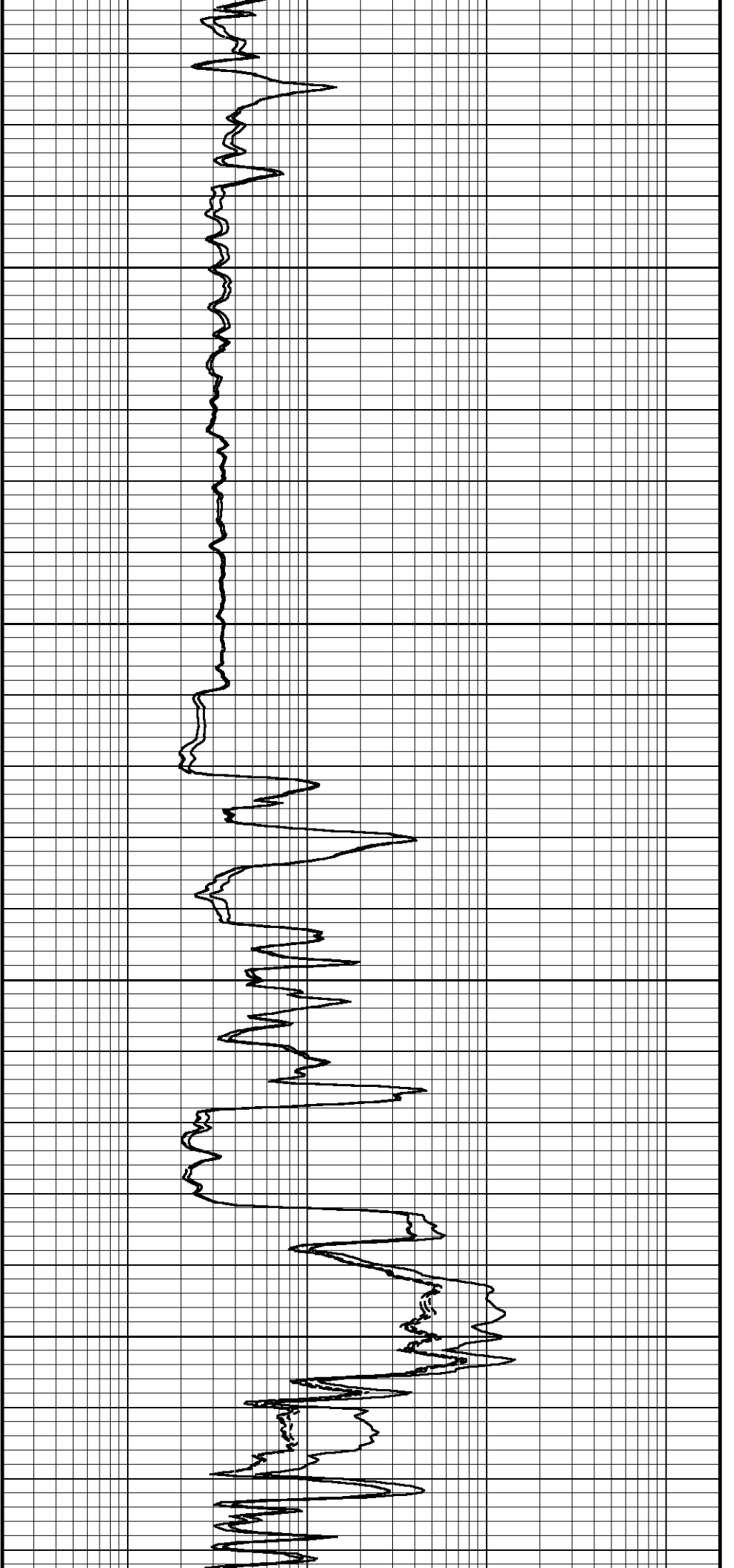
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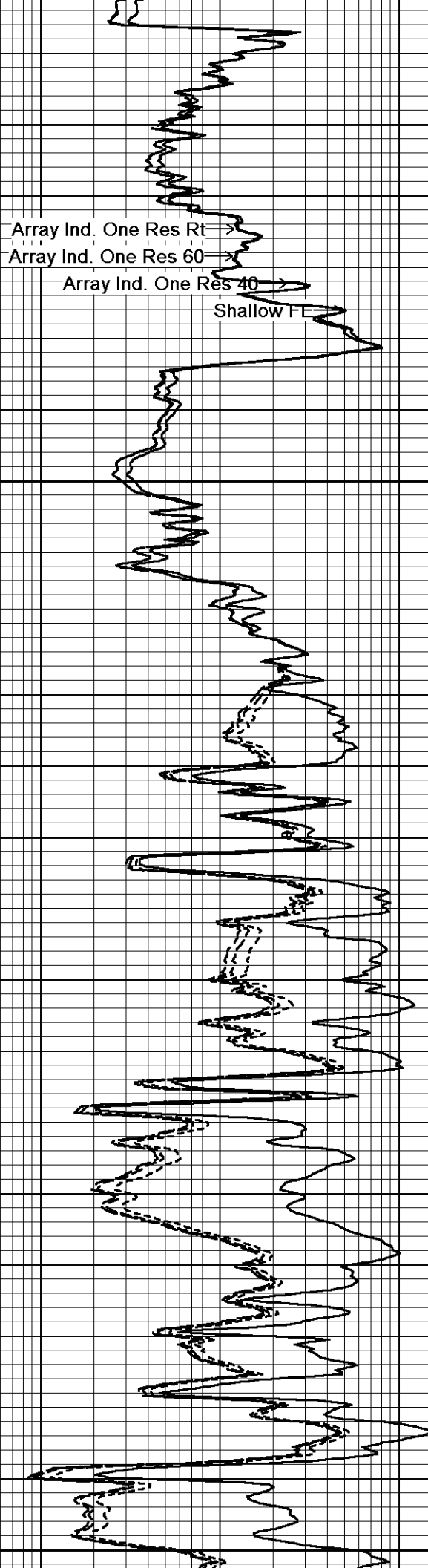
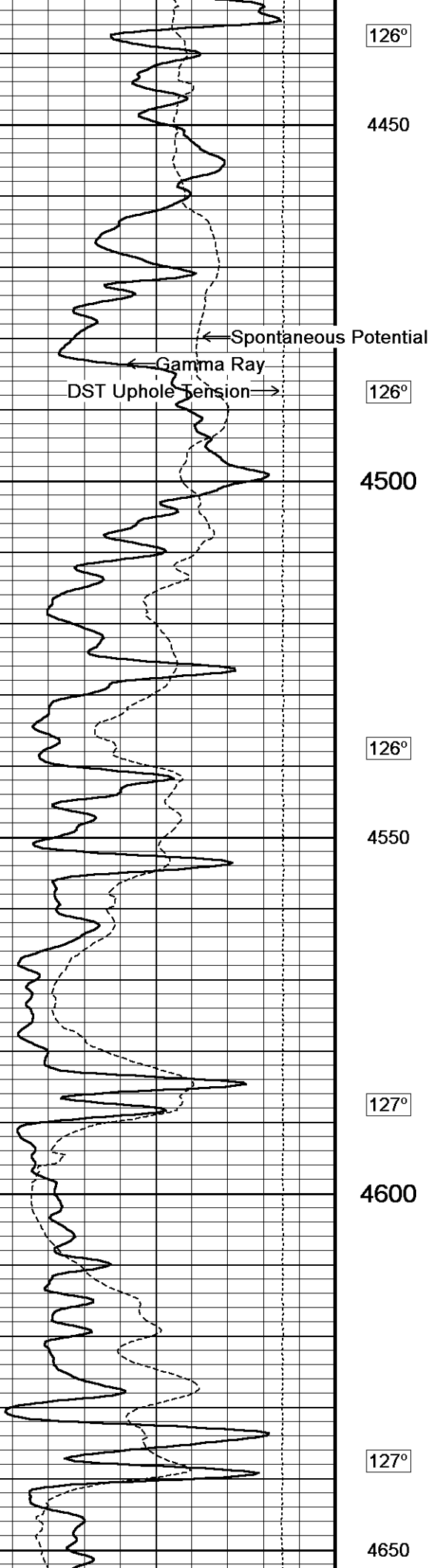
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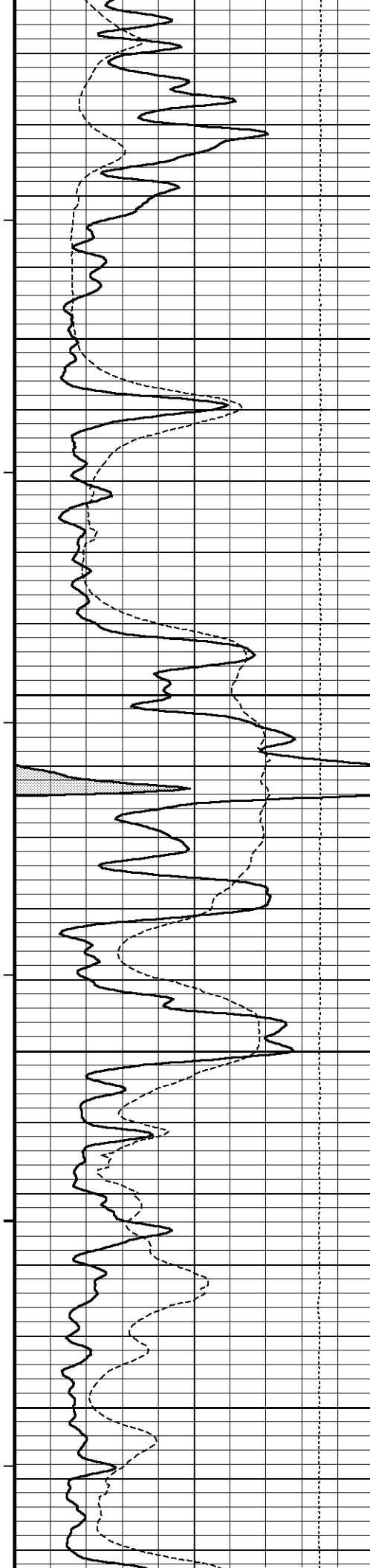
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125°

4400







127°

4700

128°

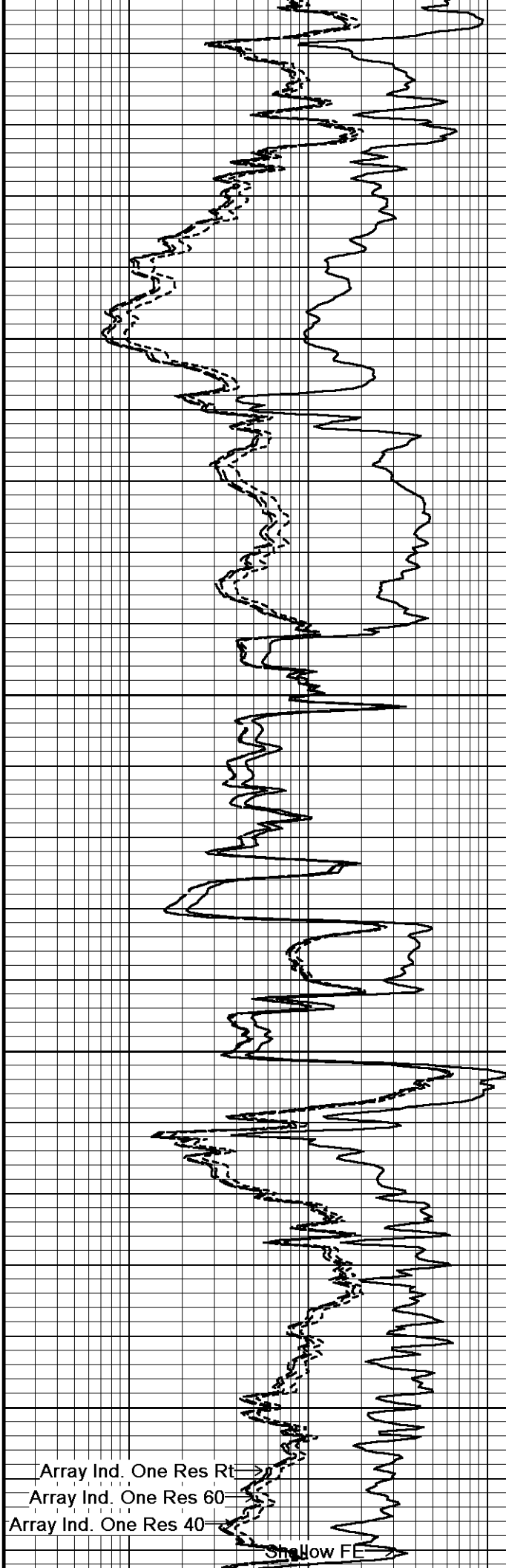
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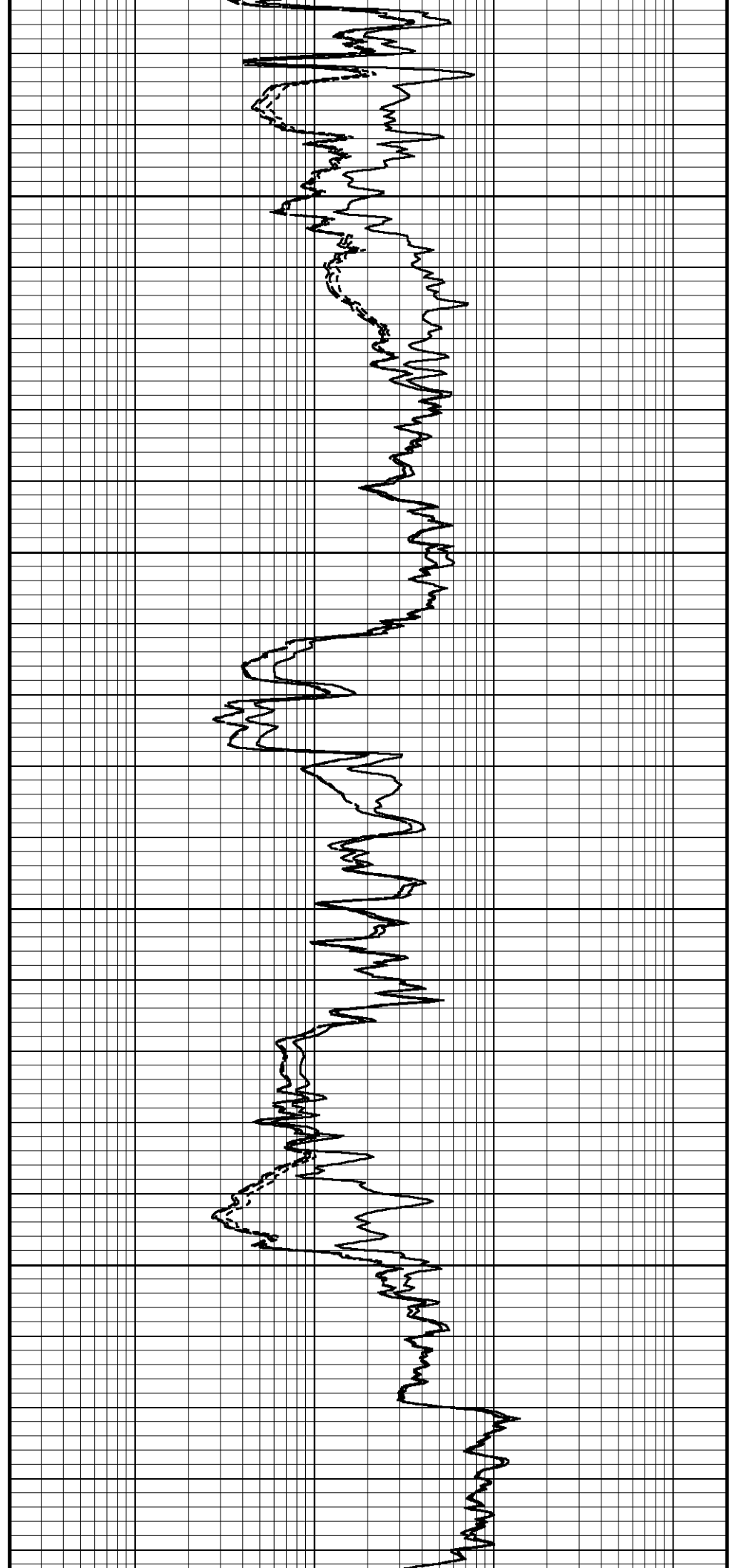
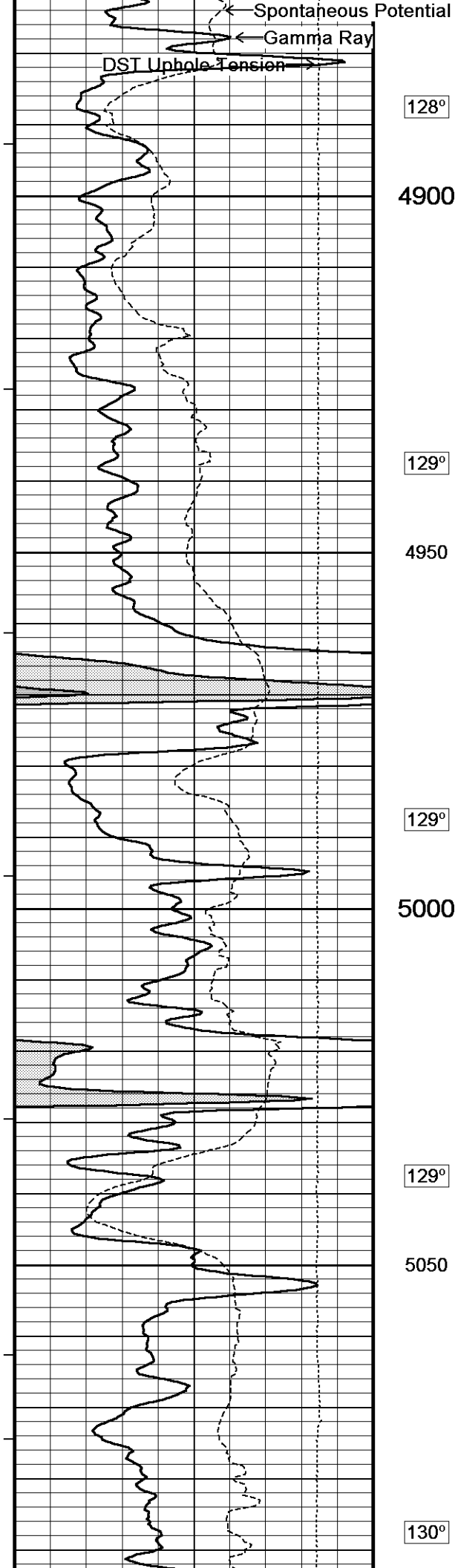
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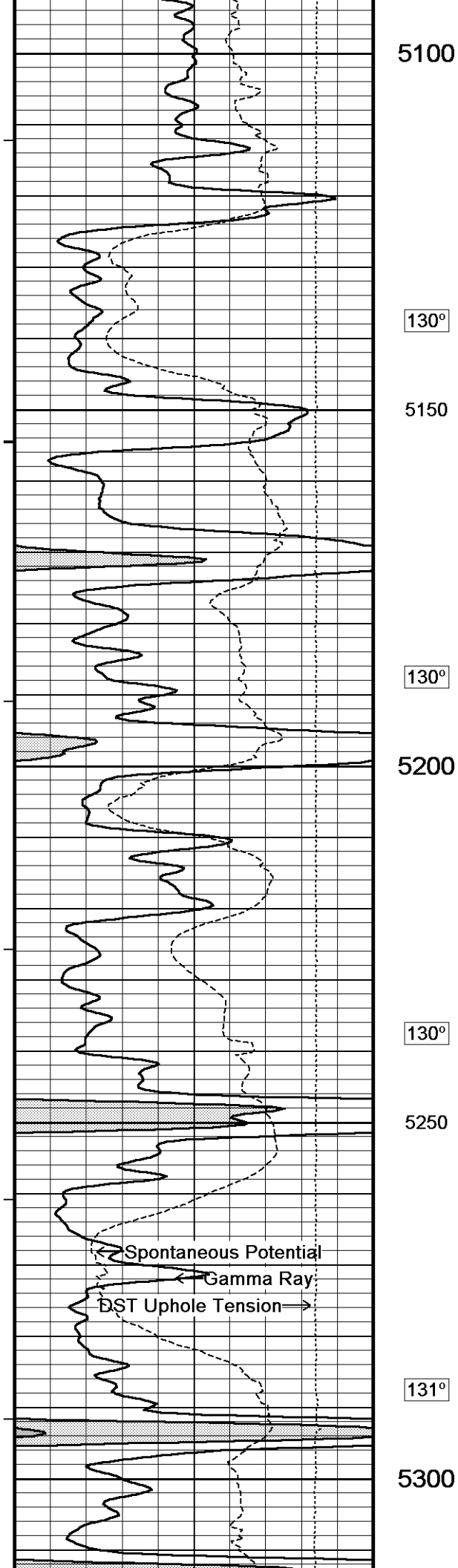
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128°

4850







5100

130°

5150

130°

5200

130°

5250

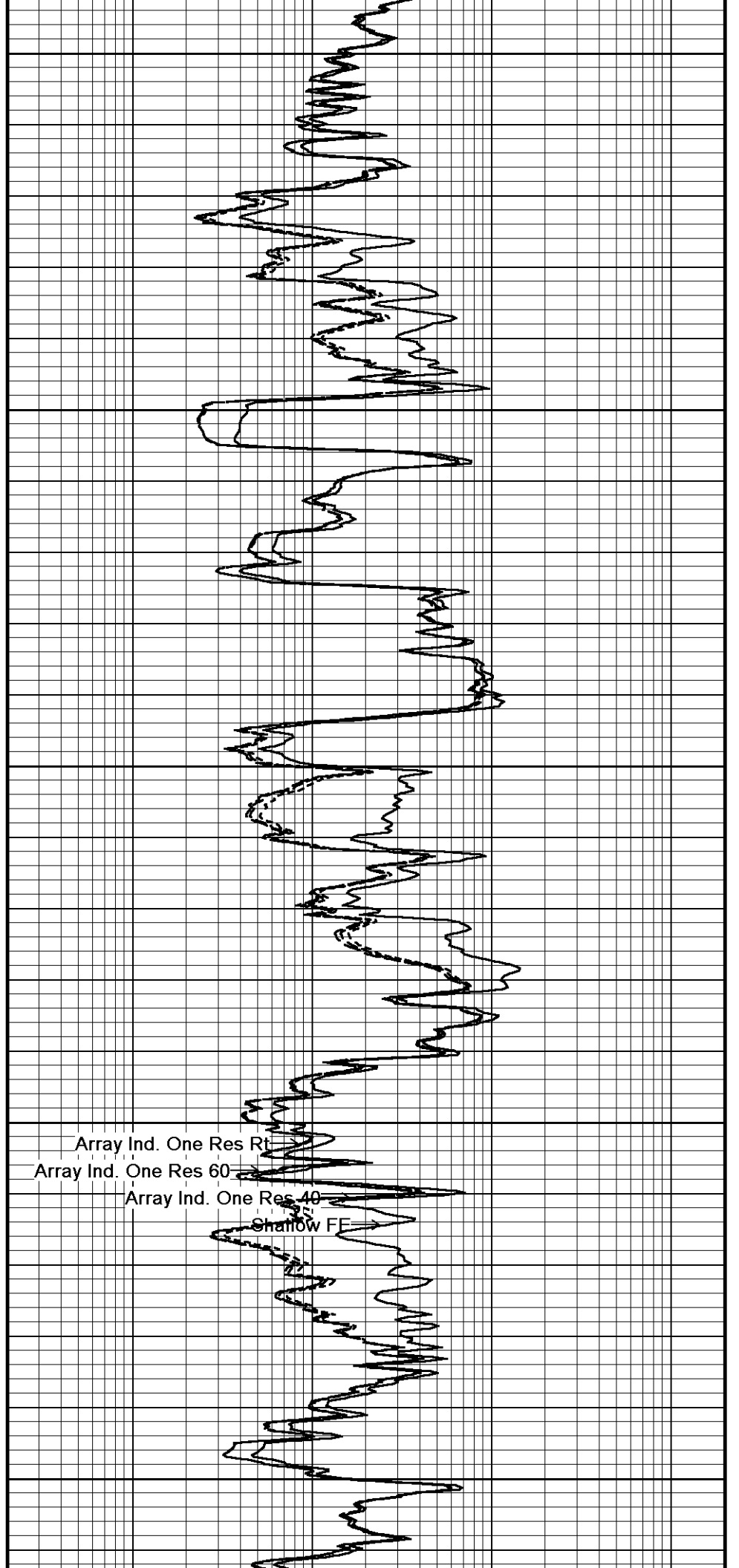
← Spontaneous Potential

← Gamma Ray

DST Uphole Tension →

131°

5300

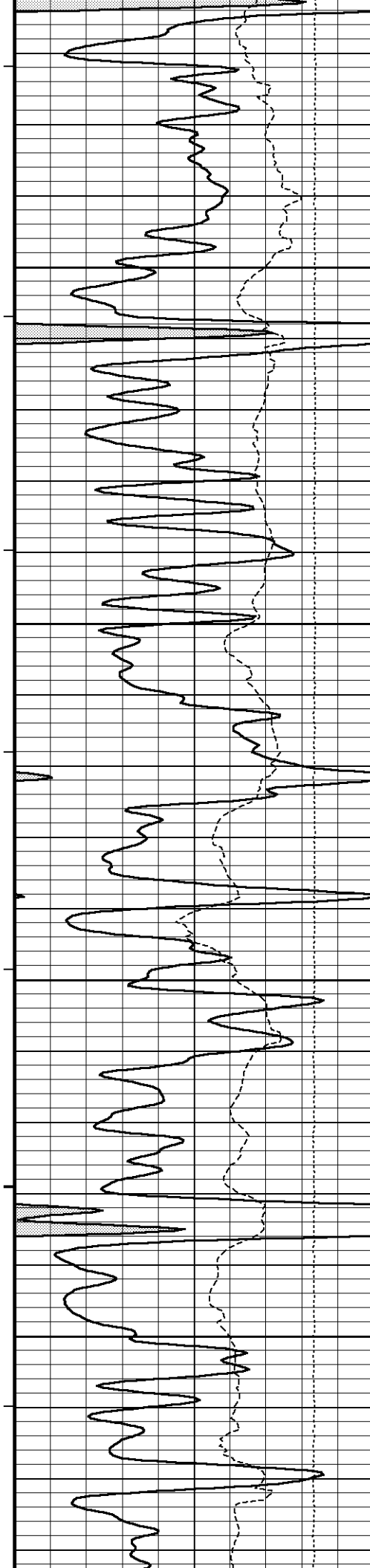


Array Ind. One Res Rt

Array Ind. One Res 60

Array Ind. One Res 40

Shallow FF



131°

5350

131°

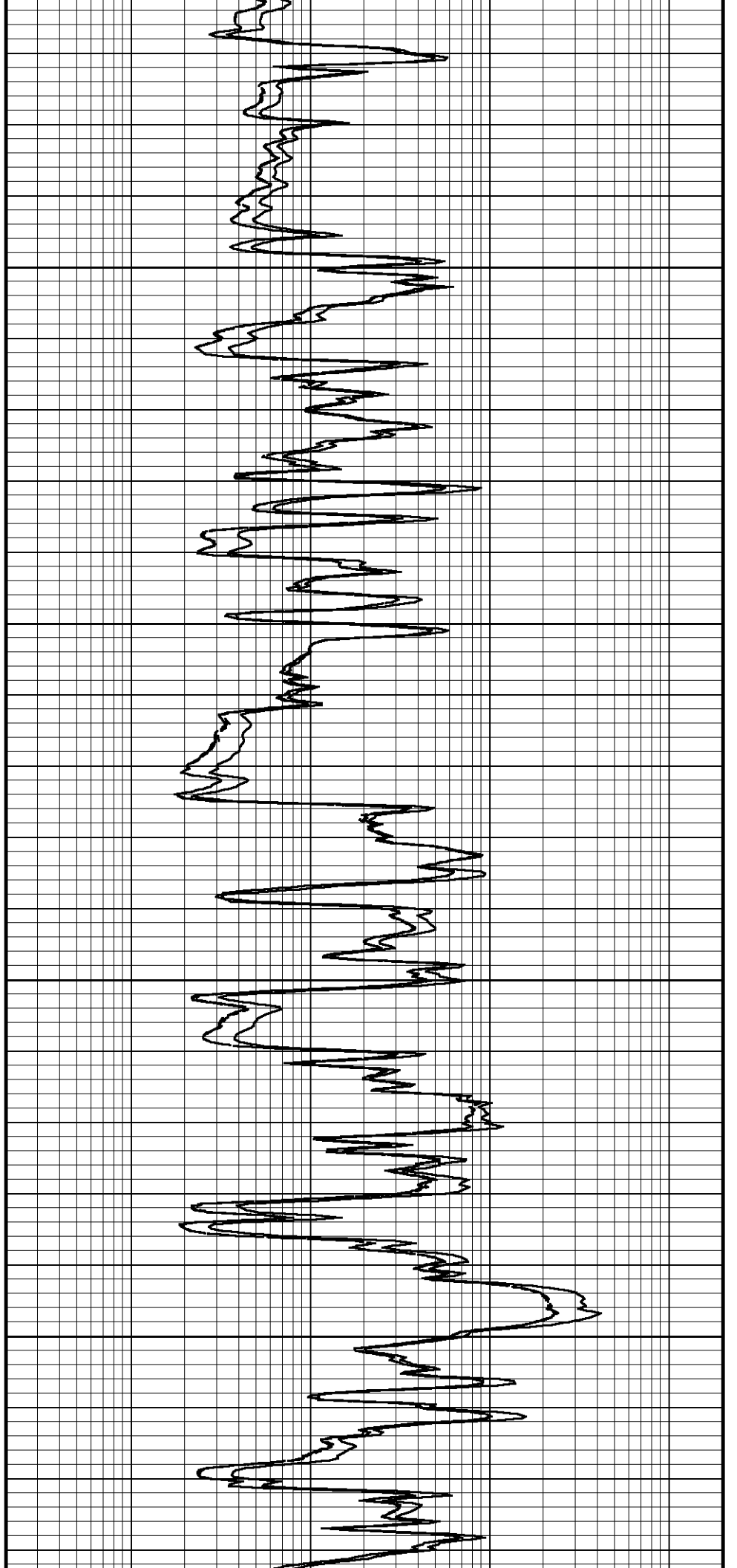
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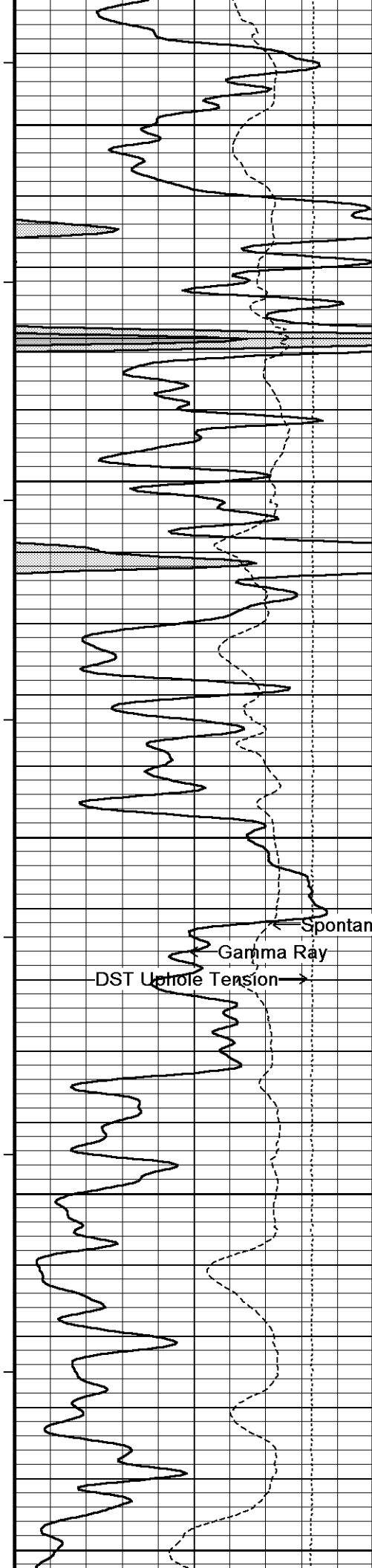
132°

5450

132°

5500





132°

5550

133°

5600

133°

Array Ind. One Res Rt →

5650 Array Ind. One Res 60 →

Array Ind. One Res 40 →

Shallow FE →

← Spontaneous Potential

Gamma Ray

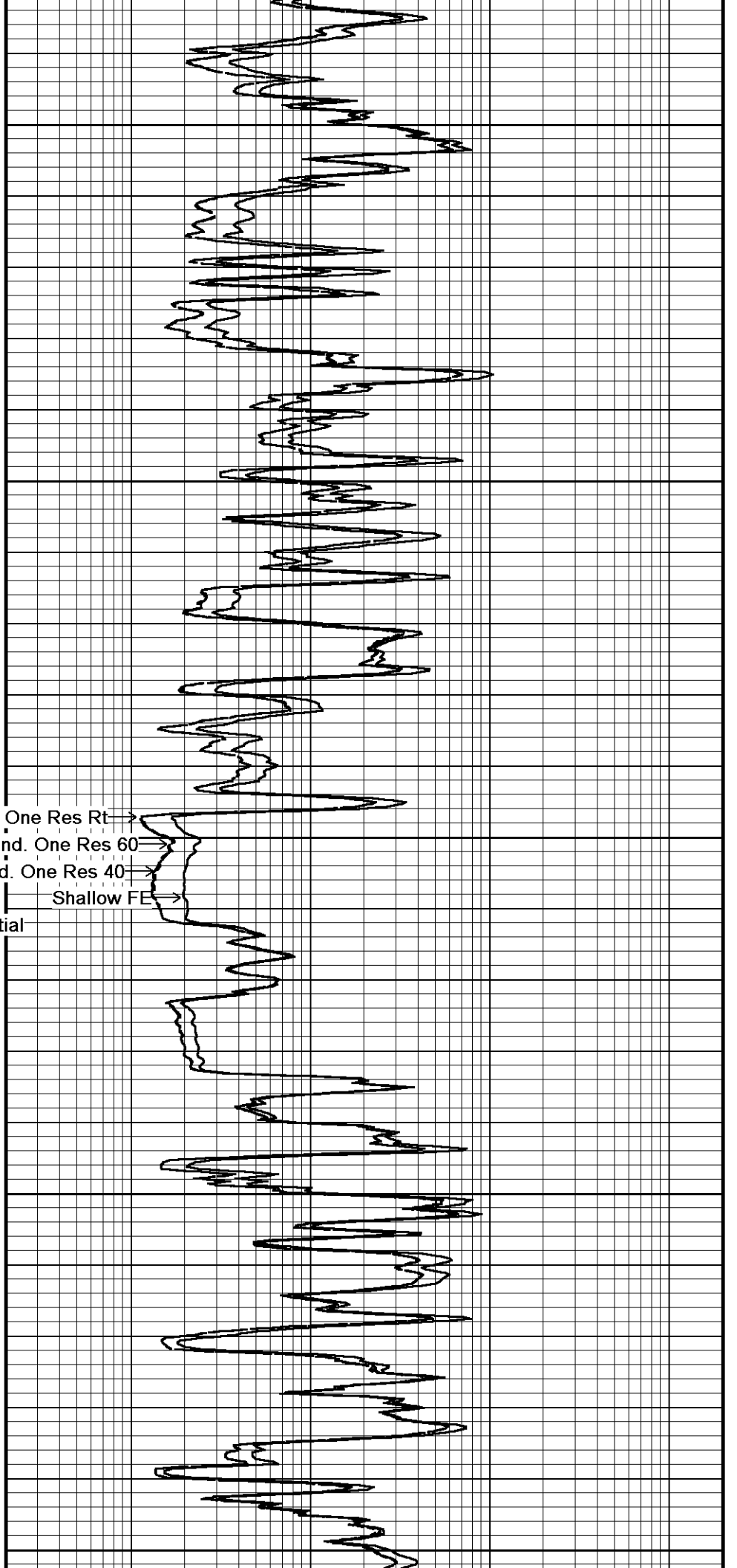
DST Up-hole Tension →

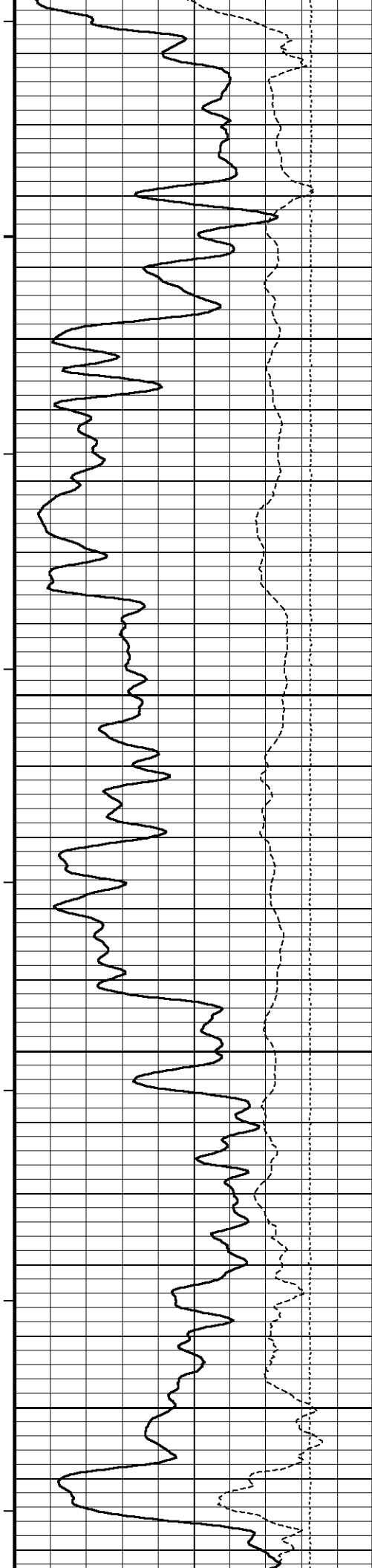
134°

5700

134°

5750





134°

5800

134°

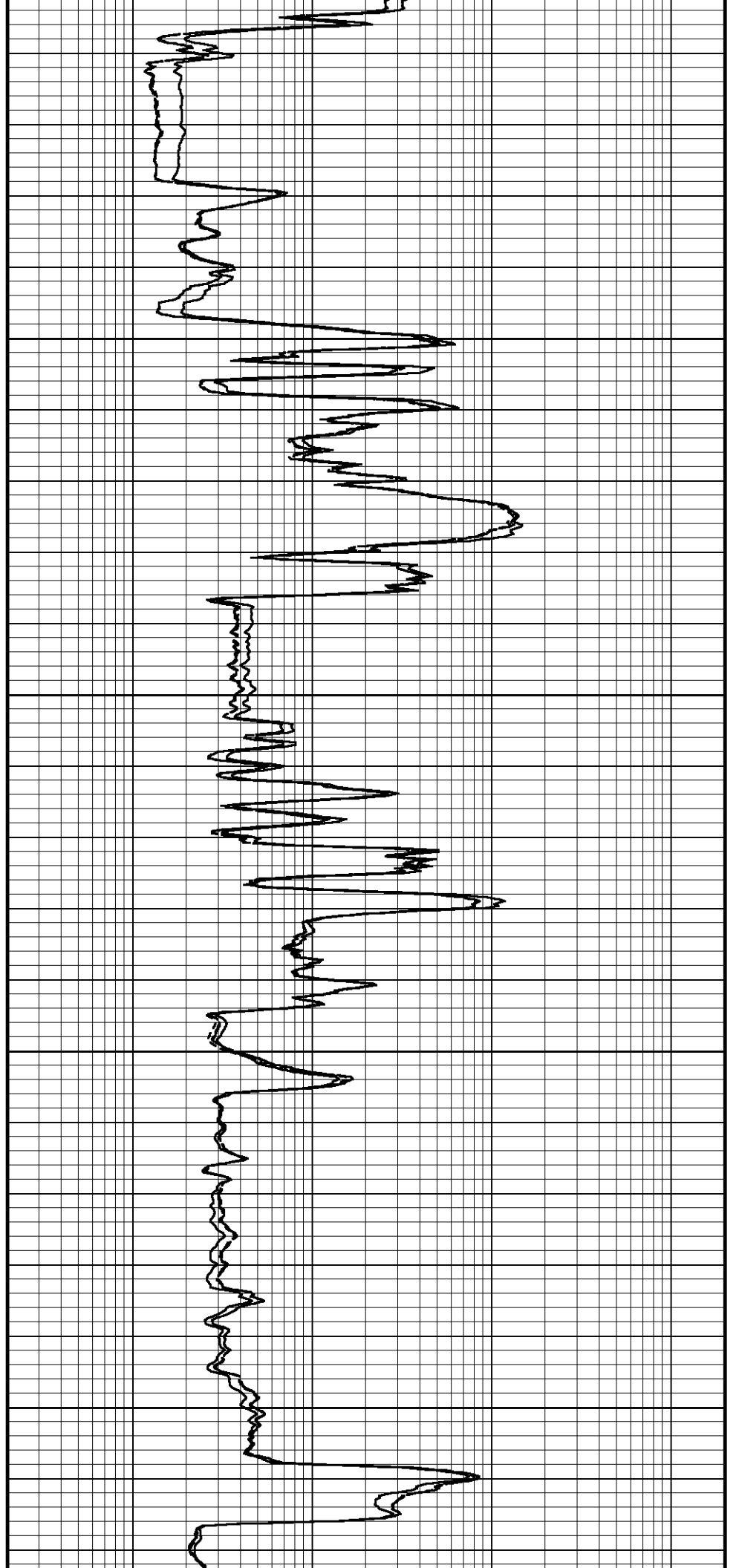
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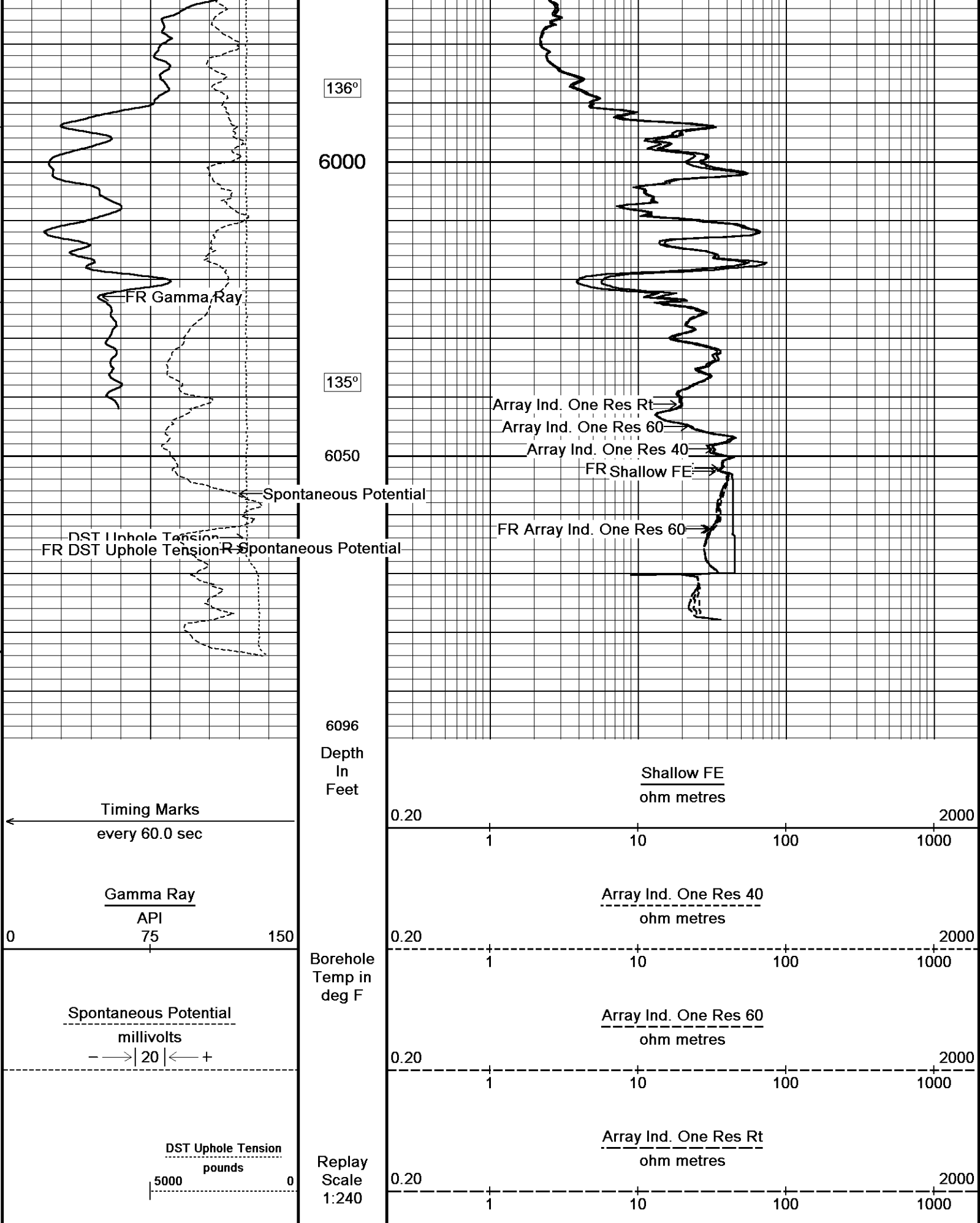
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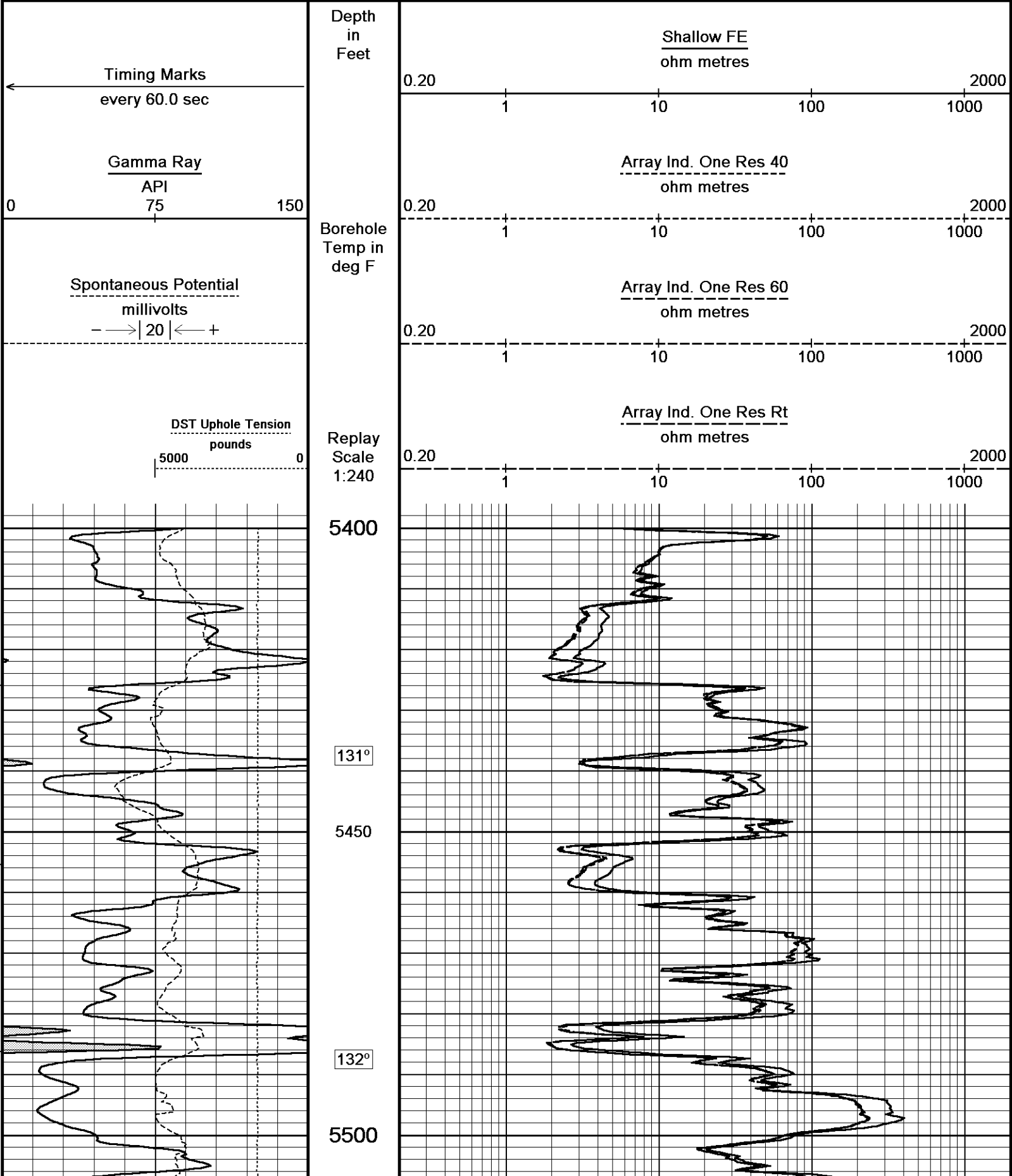
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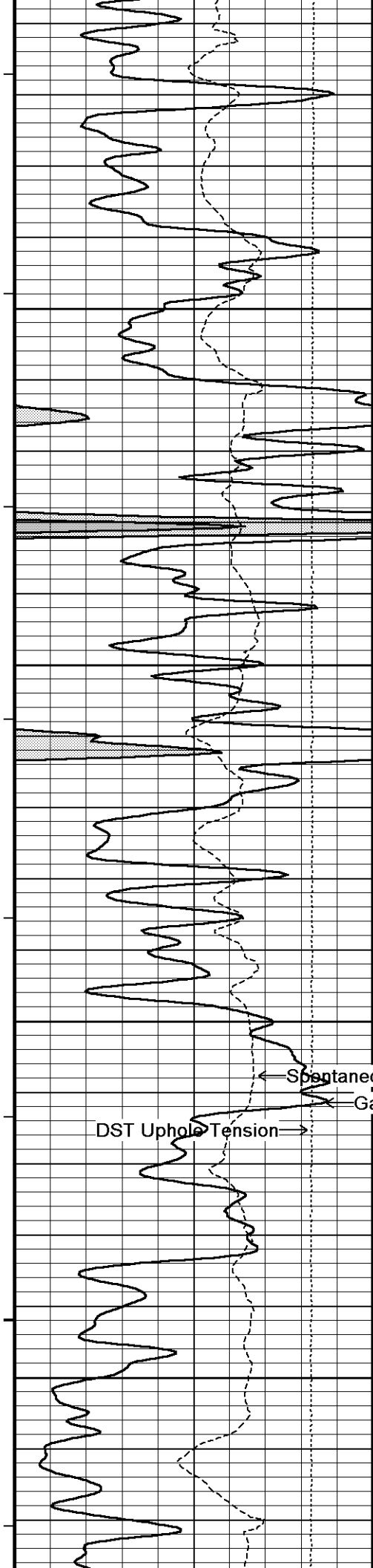
135°

5950









132°

5550

132°

5600

133°

Array Ind. One Res Rt

Array Ind. One Res 60

5650y Ind. One Res 40

Shallow FE

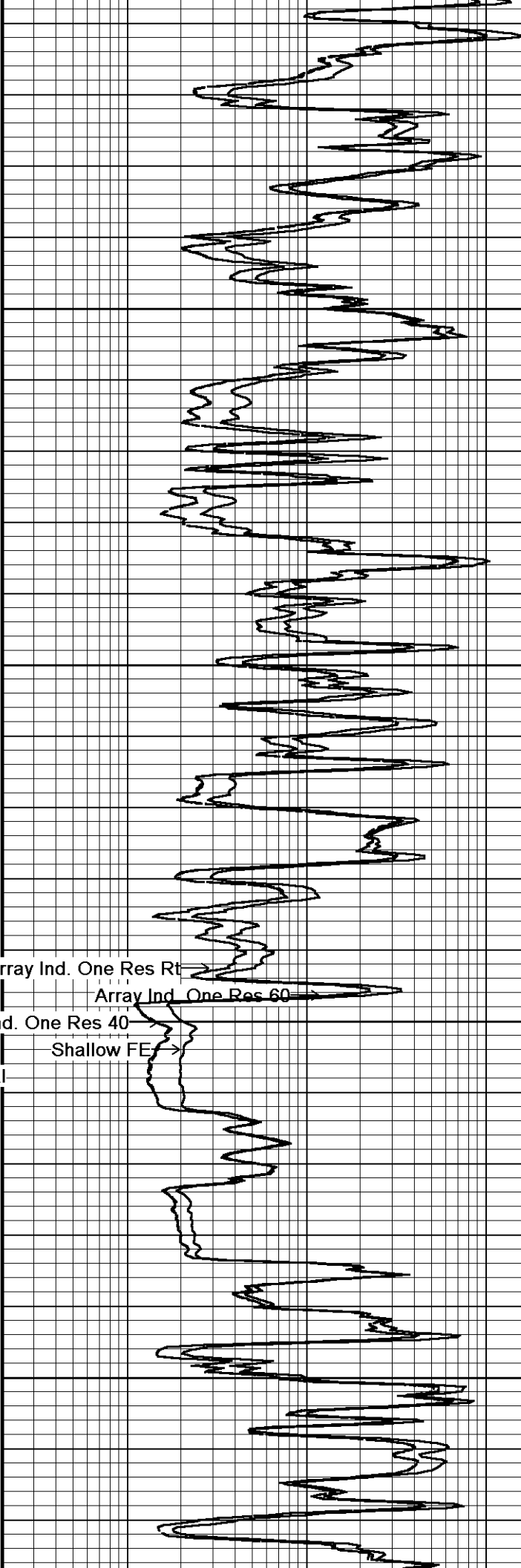
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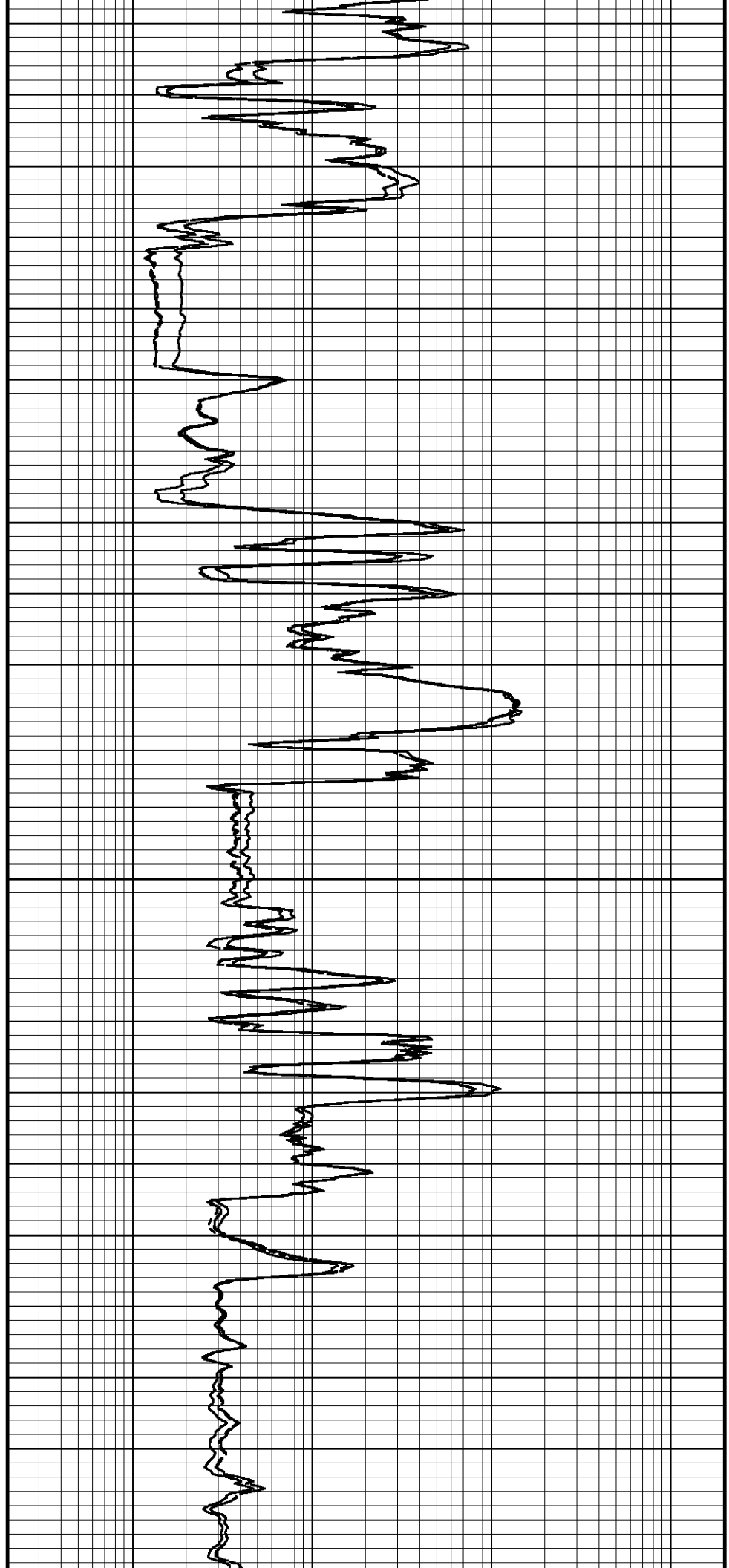
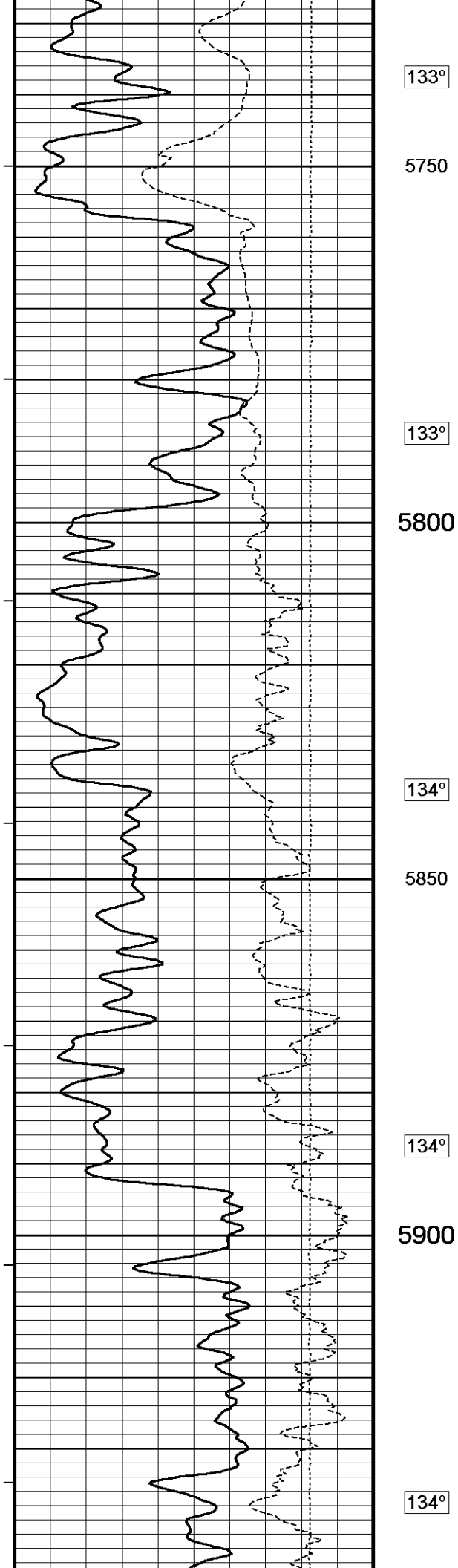
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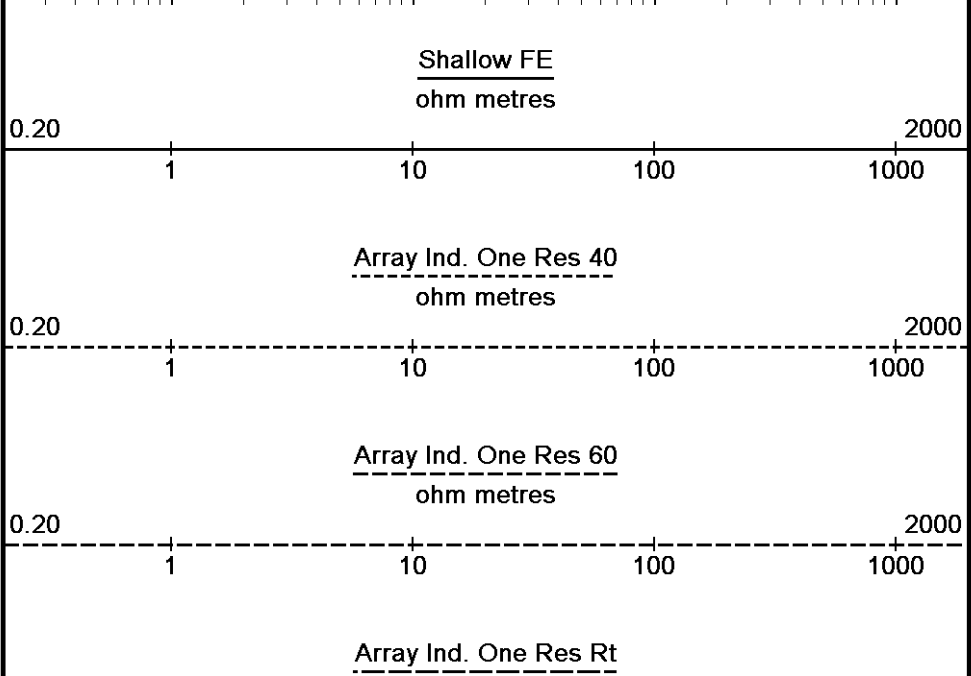
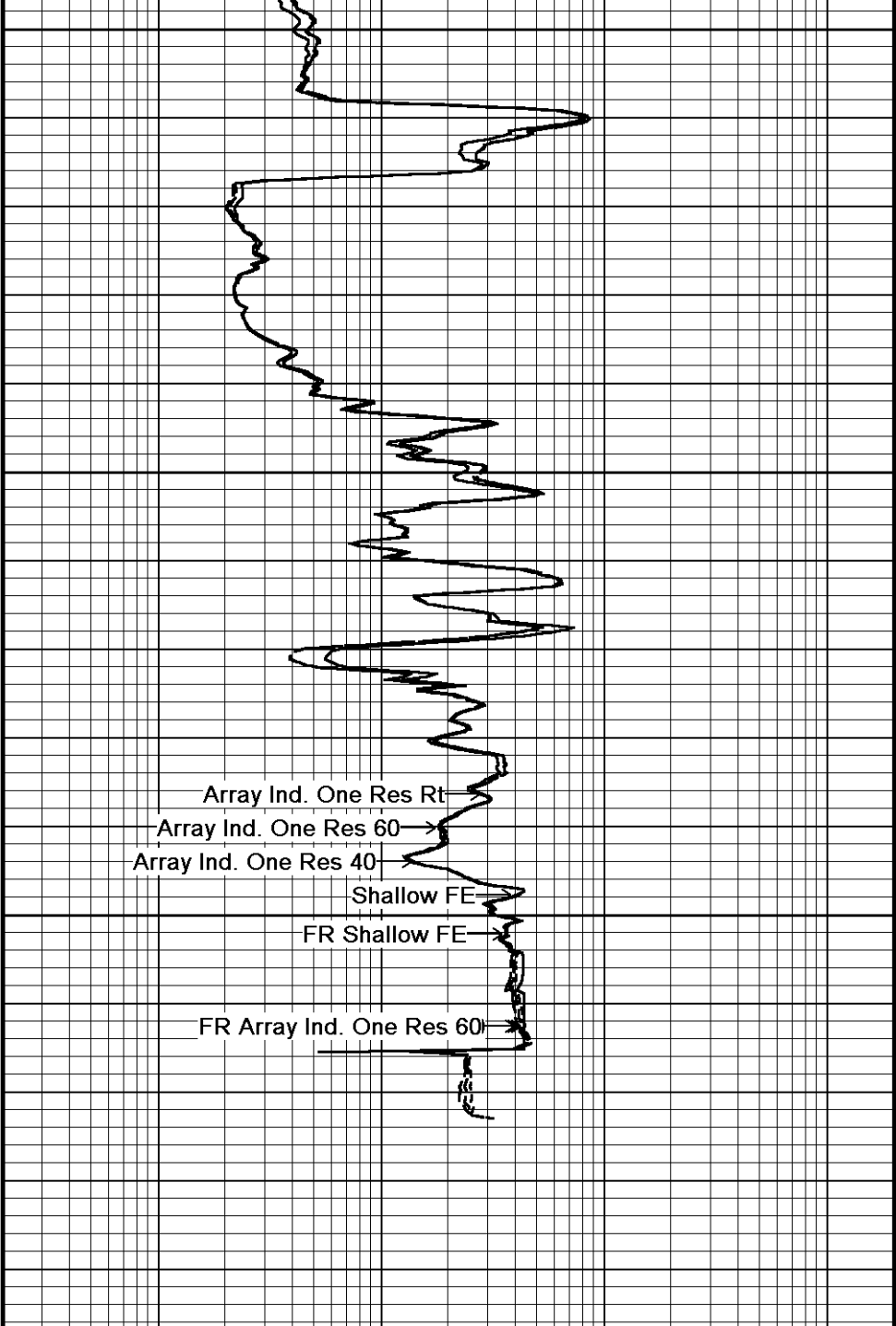
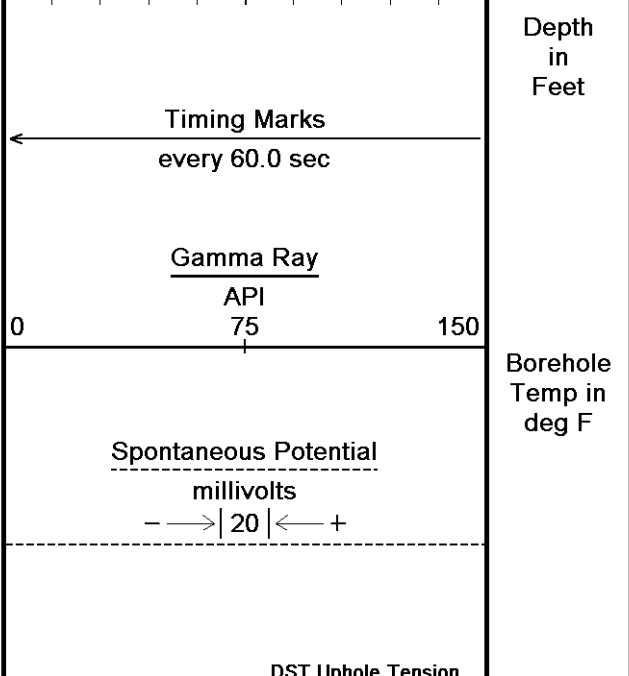
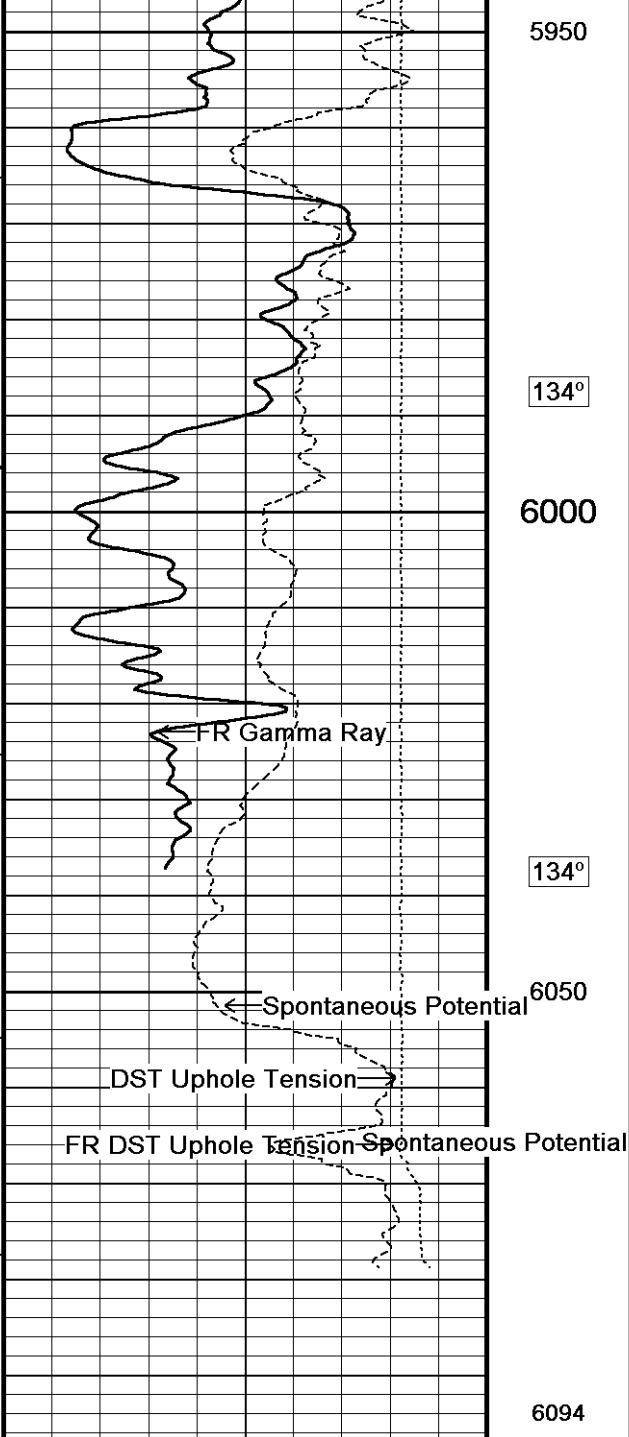
DST Uphole Tension →

133°

5700









Depth Based Data - Maximum Sampling Increment 10.0cm

Plotted on 16-MAY-2011 14:36

Filename: C:\DOCUME~1\jbohanan\LOCALS~1\Temp\Weatherford ...\Strat Land Felice #2-12\_001.dta

Recorded on 12-MAR-2011 06:54

System Versions: Logged with 11.03.2789

Plotted with 11.00.1327

↑

Repeat Section

↑

| BEFORE SURVEY CALIBRATION                                                            |                       |                   |                                        |            |
|--------------------------------------------------------------------------------------|-----------------------|-------------------|----------------------------------------|------------|
| C:\DOCUME~1\jbohanan\LOCALS~1\Temp\Weatherford PreView\0\Strat Land Felice #2-12.dta |                       |                   |                                        |            |
| General Constants All 000                                                            |                       |                   | Last Edited on 12-MAR-2011,05:48       |            |
| General Parameters                                                                   |                       |                   |                                        |            |
| Mud Resistivity                                                                      | 1.500                 | ohm-metres        |                                        |            |
| Mud Resistivity Temperature                                                          | 102.000               | 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                                                                        | Base Density Porosity |                   |                                        |            |
| Resistivity used                                                                     | Array Ind. One Res Rt |                   |                                        |            |
| RWA Constant A                                                                       | 1.000                 |                   |                                        |            |
| RWA Constant M                                                                       | 2.000                 |                   |                                        |            |
| High Resolution Temperature Calibration MCG-C 139                                    |                       |                   | Field Calibration on 03-SEP-2010,11:23 |            |
|                                                                                      | Measured              | Calibrated(Deg F) |                                        |            |
| Lower                                                                                | 50.00                 | 50.00             |                                        |            |
| Upper                                                                                | 75.00                 | 75.00             |                                        |            |
| High Resolution Temperature Constants MCG-C 139                                      |                       |                   | Last Edited on                         |            |
| Pre-filter Length                                                                    | 11                    |                   |                                        |            |
| SP Calibration MCG-C 139                                                             |                       |                   | Field Calibration on 04-MAR-2011 06:37 |            |
|                                                                                      | Measured              | Calibrated (mV)   |                                        |            |
| Reference 1                                                                          | 103.7                 | 100.0             |                                        |            |
| Reference 2                                                                          | -96.9                 | -100.0            |                                        |            |
| Gamma Calibration MCG-C 139                                                          |                       |                   | Field Calibration on 11-MAR-2011 14:21 |            |
|                                                                                      | Measured              | Calibrated (API)  |                                        |            |
| Background                                                                           | 70                    | 47                |                                        |            |
| Calibrator (Gross)                                                                   | 1145                  | 772               |                                        |            |
| Calibrator (Net)                                                                     | 1074                  | 725               |                                        |            |
| Gamma Constants MCG-C 139                                                            |                       |                   | Last Edited on 12-MAR-2011,05:48       |            |
| Gamma Calibrator Number                                                              | grc38                 |                   |                                        |            |
| Mud Density                                                                          | 1.07                  | gm/cc             |                                        |            |
| Caliper Source for Processing                                                        | Density Caliper       |                   |                                        |            |
| Tool Position                                                                        | Eccentred             |                   |                                        |            |
| Concentration of KCl                                                                 | 0.00                  | kppm              |                                        |            |
| Micro Normal and Micro Inverse Calibration MML-A 16                                  |                       |                   | Base Calibration on 11-MAR-2011 11:10  |            |
|                                                                                      |                       |                   | Field Check on 11-MAR-2011 11:12       |            |
| Base Calibration                                                                     |                       |                   |                                        |            |
|                                                                                      |                       | Measured          | Calibrated (ohm-m)                     |            |
| Channel                                                                              | 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-A 16 |                                             |  | Last Edited on 11-MAR-2011,11:11 |  |
| 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                           |  |

|                              |                       |                      |                                        |
|------------------------------|-----------------------|----------------------|----------------------------------------|
| Caliper Calibration MML-A 16 |                       |                      | Base Calibration on 11-MAR-2011 11:20  |
|                              |                       |                      | Field Calibration on 11-MAR-2011 11:22 |
| Base Calibration             |                       |                      |                                        |
| Reading No                   | Measured              | Calibrator Size (in) |                                        |
| 1                            | 13875                 | 5.98                 |                                        |
| 2                            | 17350                 | 7.97                 |                                        |
| 3                            | 20581                 | 9.86                 |                                        |
| 4                            | 24656                 | 11.92                |                                        |
| 5                            | 0                     | 0.00                 |                                        |
| 6                            | N/A                   | N/A                  |                                        |
| Field Calibration            |                       |                      |                                        |
|                              | Measured Caliper (in) | Actual Caliper (in)  |                                        |
|                              | 5.98                  | 5.98                 |                                        |

|                                |        |          |  |                                       |      |
|--------------------------------|--------|----------|--|---------------------------------------|------|
| Neutron Calibration MDN-A.B 66 |        |          |  | Base Calibration on 11-MAR-2011 13:54 |      |
|                                |        |          |  | Field Check on 11-MAR-2011 14:12      |      |
| Base Calibration               |        |          |  |                                       |      |
|                                |        | Measured |  | Calibrated (cps)                      |      |
|                                | Near   | Far      |  | Near                                  | Far  |
|                                | 3091   | 97       |  | 3714                                  | 110  |
| Ratio                          | 31.957 |          |  | 33.764                                |      |
| Field Calibrator at Base       |        |          |  |                                       |      |
|                                |        |          |  | Calibrated (cps)                      |      |
|                                |        |          |  | 1660                                  | 2371 |
| Ratio                          |        |          |  | 0.700                                 |      |
| Field Check                    |        |          |  |                                       |      |
|                                |        |          |  | Calibrated (cps)                      |      |
|                                |        |          |  | 1653                                  | 2362 |
| Ratio                          |        |          |  | 0.700                                 |      |

|                                 |                 |           |                                  |  |  |
|---------------------------------|-----------------|-----------|----------------------------------|--|--|
| Neutron Constants MDN-A.B 66    |                 |           | Last Edited on 12-MAR-2011,05:49 |  |  |
| Neutron Source Id               | P58125B         |           |                                  |  |  |
| Neutron Jig Number              | 5824NE          |           |                                  |  |  |
| Epithermal Neutron              | No              |           |                                  |  |  |
| Caliper Source for Processing   | Density Caliper |           |                                  |  |  |
| Stand-off                       | 0.00            | inches    |                                  |  |  |
| Mud Density                     | 1.07            | gm/cc     |                                  |  |  |
| Limestone Sigma                 | 7.10            | cu        |                                  |  |  |
| Sandstone Sigma                 | 4.26            | cu        |                                  |  |  |
| Dolomite Sigma                  | 4.70            | cu        |                                  |  |  |
| Formation Pressure Source       | Constant Value  |           |                                  |  |  |
| Formation Pressure              | 0.00            | kpsi      |                                  |  |  |
| Temperature Source              | Constant Value  |           |                                  |  |  |
| Temperature                     | 68.00           | degrees F |                                  |  |  |
| Mud Salinity                    | 0.00            | kppm      |                                  |  |  |
| Formation Fluid Salinity Source | Constant Value  |           |                                  |  |  |
| Formation Fluid Salinity        | 0.00            | kppm      |                                  |  |  |
| Barite Mud Correction           | Not Applied     |           |                                  |  |  |

|                           |          |                    |                                       |  |
|---------------------------|----------|--------------------|---------------------------------------|--|
| FE Calibration MFE-A.A 52 |          |                    | Base Calibration on 11-MAR-2011 10:55 |  |
|                           |          |                    | Field Check on 11-MAR-2011 11:01      |  |
| Base Calibration          |          |                    |                                       |  |
|                           | Measured | Calibrated (ohm-m) |                                       |  |
| Reference 1               | 0.0      | 0.0                |                                       |  |
| Reference 2               | 965.7    | 126.8              |                                       |  |
| Base Check                |          | 279.9              |                                       |  |

## FE Constants MFE-A.A 52

Last Edited on 12-MAR-2011,05:49

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

## High Resolution Temperature Calibration MAI-A.A 167

Field Calibration on 17-JAN-2011,18:32

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

## High Resolution Temperature Constants MAI-A.A 167

Last Edited on

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

## Induction Calibration MAI-A.A 167

Base Calibration on 11-MAR-2011,09:58

Field Check on 11-MAR-2011 10:43

## Base Calibration

## Test Loop Calibration

## Measured

## Calibrated (mmho/m)

| Channel | Low  | High  | Low | High  |
|---------|------|-------|-----|-------|
| 1       | 17.3 | 474.2 | 9.3 | 966.2 |
| 2       | 6.3  | 388.4 | 7.6 | 821.4 |
| 3       | 3.3  | 259.4 | 5.2 | 566.0 |
| 4       | 1.9  | 133.0 | 2.6 | 279.2 |

|                   |      |       |
|-------------------|------|-------|
| Array Temperature | 76.8 | Deg F |
|-------------------|------|-------|

| Channel | Base Check (mmho/m) |        | Field Check (mmho/m) |        |
|---------|---------------------|--------|----------------------|--------|
|         | Low                 | High   | Low                  | High   |
| 1       | 13.4                | 3836.9 | 13.4                 | 3836.8 |
| 2       | 29.6                | 3474.5 | 29.6                 | 3474.3 |
| 3       | 29.1                | 3050.8 | 29.1                 | 3050.7 |
| 4       | 19.7                | 2080.2 | 19.7                 | 2080.2 |
| Deep    | 18.5                | 2047.5 | 18.5                 | 2047.5 |
| Medium  | 42.2                | 3988.2 | 42.2                 | 3988.0 |
| Shallow | 43.1                | 5050.7 | 43.1                 | 5050.1 |

|                   |      |      |       |
|-------------------|------|------|-------|
| Array Temperature | 78.5 | 79.1 | Deg F |
|-------------------|------|------|-------|

## Induction Constants MAI-A.A 167

Last Edited on 12-MAR-2011,05:49

|                                   |                          |            |
|-----------------------------------|--------------------------|------------|
| 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 2 | 0.00 | mmhos/metre |
| Channel 3 | 0.00 | mmhos/metre |
| Channel 4 | 0.00 | mmhos/metre |

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

|                              |                       |                      |                                        |
|------------------------------|-----------------------|----------------------|----------------------------------------|
| Caliper Calibration MPD-B 35 |                       |                      | Base Calibration on 11-MAR-2011 11:34  |
|                              |                       |                      | Field Calibration on 11-MAR-2011 11:36 |
| Base Calibration             |                       |                      |                                        |
| Reading No                   | Measured              | Calibrator Size (in) |                                        |
| 1                            | 17936                 | 3.99                 |                                        |
| 2                            | 28079                 | 5.98                 |                                        |
| 3                            | 38384                 | 7.97                 |                                        |
| 4                            | 48048                 | 9.86                 |                                        |
| 5                            | 59047                 | 11.92                |                                        |
| 6                            | N/A                   | N/A                  |                                        |
| Field Calibration            |                       |                      |                                        |
|                              | Measured Caliper (in) | Actual Caliper (in)  |                                        |
|                              | 5.96                  | 5.98                 |                                        |

|                                    |             |          |        |                                       |       |
|------------------------------------|-------------|----------|--------|---------------------------------------|-------|
| Photo Density Calibration MPD-B 35 |             |          |        | Base Calibration on 11-MAR-2011 11:54 |       |
|                                    |             |          |        | Field Check on 11-MAR-2011 12:01      |       |
| Density Calibration                |             |          |        |                                       |       |
| Base Calibration                   |             | Measured |        | Calibrated (sdu)                      |       |
|                                    |             | Near     | Far    | Near                                  | Far   |
|                                    | Reference 1 | 57876    | 27553  | 59556                                 | 30836 |
|                                    | Reference 2 | 23524    | 2615   | 24941                                 | 2541  |
| Field Check at Base                |             |          |        |                                       |       |
|                                    |             | 1175.2   | 1398.5 |                                       |       |
| Field Check                        |             |          |        |                                       |       |
|                                    |             | 1174.0   | 1394.6 |                                       |       |
|                                    |             |          |        |                                       |       |
| PE Calibration                     |             |          |        |                                       |       |
| Base Calibration                   |             | Measured |        | Calibrated                            |       |
|                                    | WS          | WH       | Ratio  | Ratio                                 |       |
|                                    | Background  | 211      | 1039   |                                       |       |
|                                    | Reference 1 | 21426    | 57673  | 0.375                                 | 0.371 |
|                                    | Reference 2 | 6234     | 23377  | 0.270                                 | 0.272 |
| Field Check at Base                |             |          |        |                                       |       |
|                                    |             | 211.2    | 1039.0 |                                       |       |
| Field Check                        |             |          |        |                                       |       |
|                                    |             | 209.1    | 1034.9 |                                       |       |

|                               |                 |       |                                  |
|-------------------------------|-----------------|-------|----------------------------------|
| Density Constants MPD-B 35    |                 |       | Last Edited on 12-MAR-2011,05:49 |
| 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                   | 1.07            | gm/cc |                                  |
| Mud Density Z/A Multiplier    | 1.11            |       |                                  |
| Mud Filtrate Density          | 1.00            | gm/cc |                                  |
| Dry Hole Mud Filtrate Density | 1.00            | gm/cc |                                  |
| DNCT                          | 0.00            | gm/cc |                                  |
| CRCT                          | 0.00            | gm/cc |                                  |
| Density Z/A Correction        | Hybrid          |       |                                  |

Matrix Density (gm/cc)

Depth (ft)

2.71  
0.00  
0.00  
0.00  
0.00  
0.00  
0.00  
0.00  
0.00

0.00  
0.00  
0.00  
0.00  
0.00  
0.00  
0.00  
0.00  
0.00

## DOWNHOLE EQUIPMENT

C:\DOCUME~1\jbohanan\LOCALS~1\Temp\Weatherford PreView\0\Strat Land Felice #2-12.dta

3/8" Triple Cone Cable Head (MCB C A)

MCB-C.A 5 LG: 1.58 ft WT: 15.4 lb OD: 2.24 in

Compact Comms Gamma

MCG-C 139 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

Compact Micro-log

MML-A 16 LG: 7.97 ft WT: 81.6 lb OD: 2.24 in

Compact Neutron

MDN-A.B 66 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

Compact Density/Caliper

MPD-B 35 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

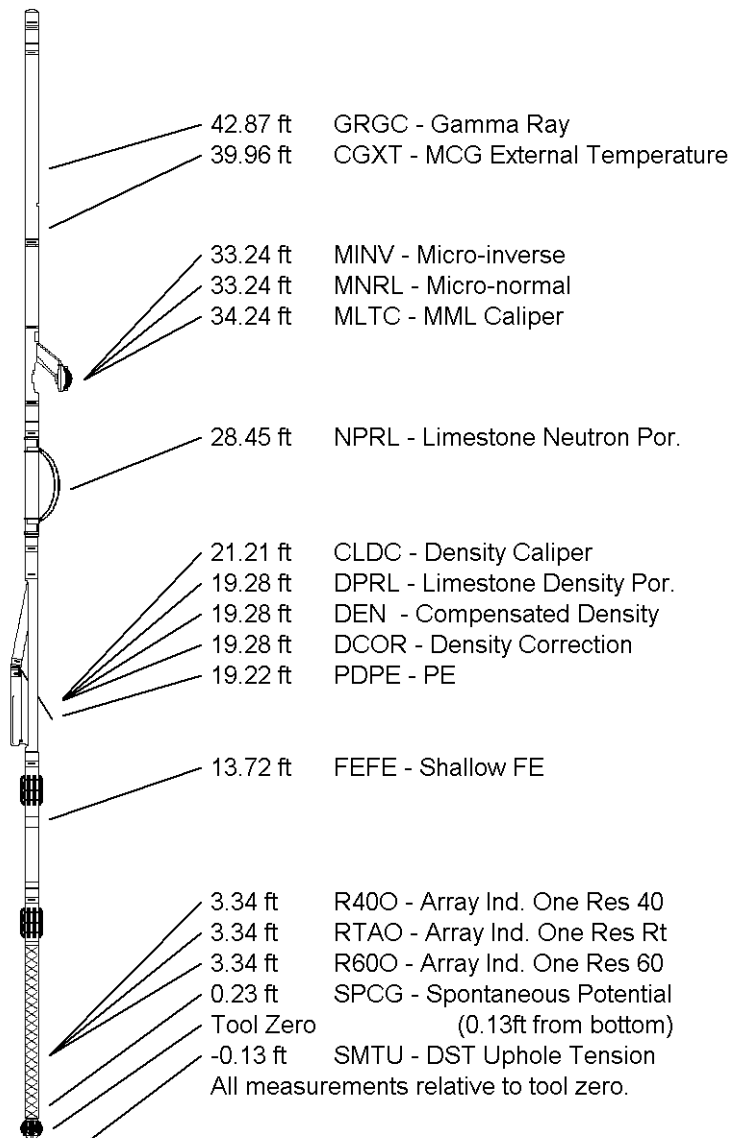
Compact Focussed Electric

MFE-A.A 52 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

Compact Induction

MAI-A.A 167 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Total Length: 49.73 ft Weight: 399.0 lb



COMPANY

STRAT LAND EXPLORATION

WELL

FELICE #2-12

FIELD

NW BORCHERS

PROVINCE/COUNTY

MEADE

COUNTRY/STATE

U.S.A. / KANSAS

Elevation Kelly Bushing 2535.00 feet

Elevation Drill Floor 2533.00 feet

Elevation Ground Level 2523.00 feet

First Reading 6063.00 feet

Depth Driller 6070.00 feet

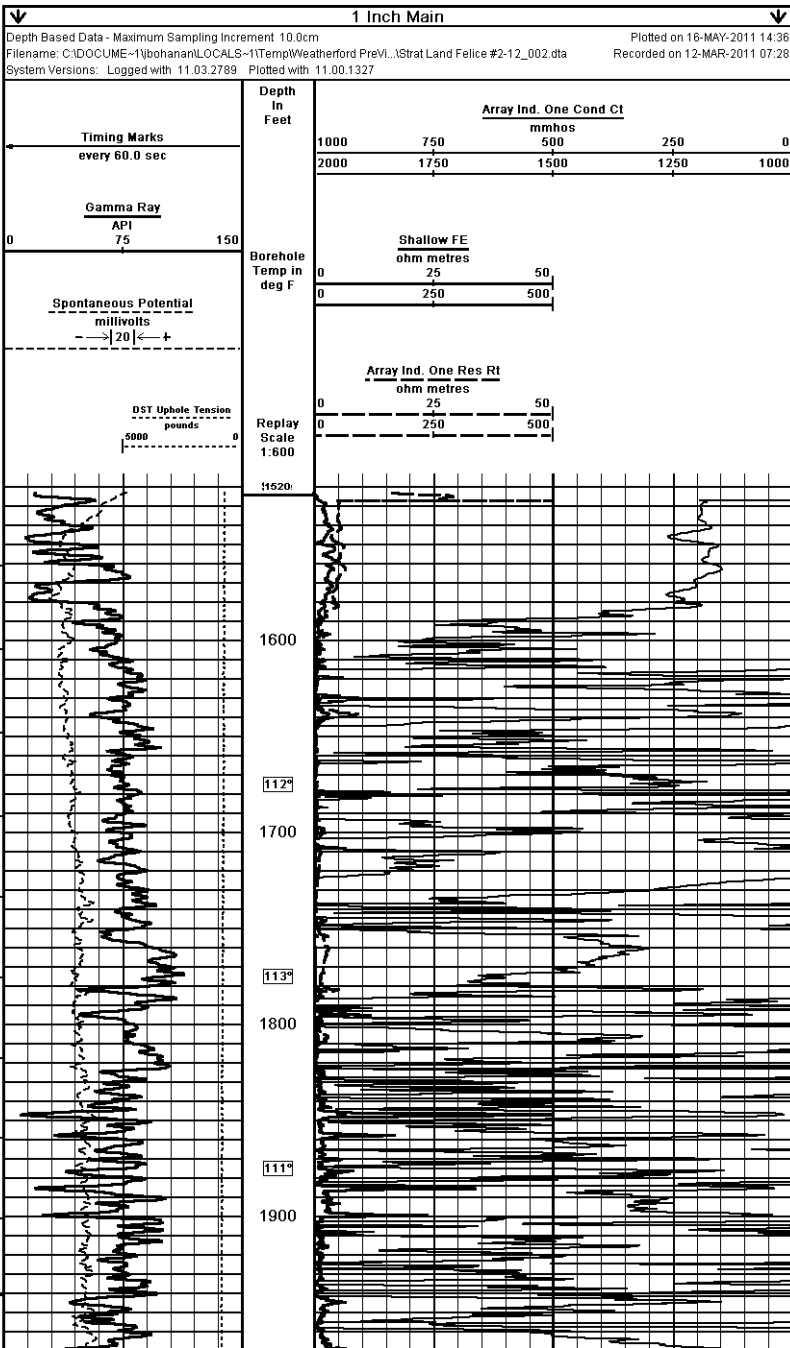
Depth Logger 6066.00 feet

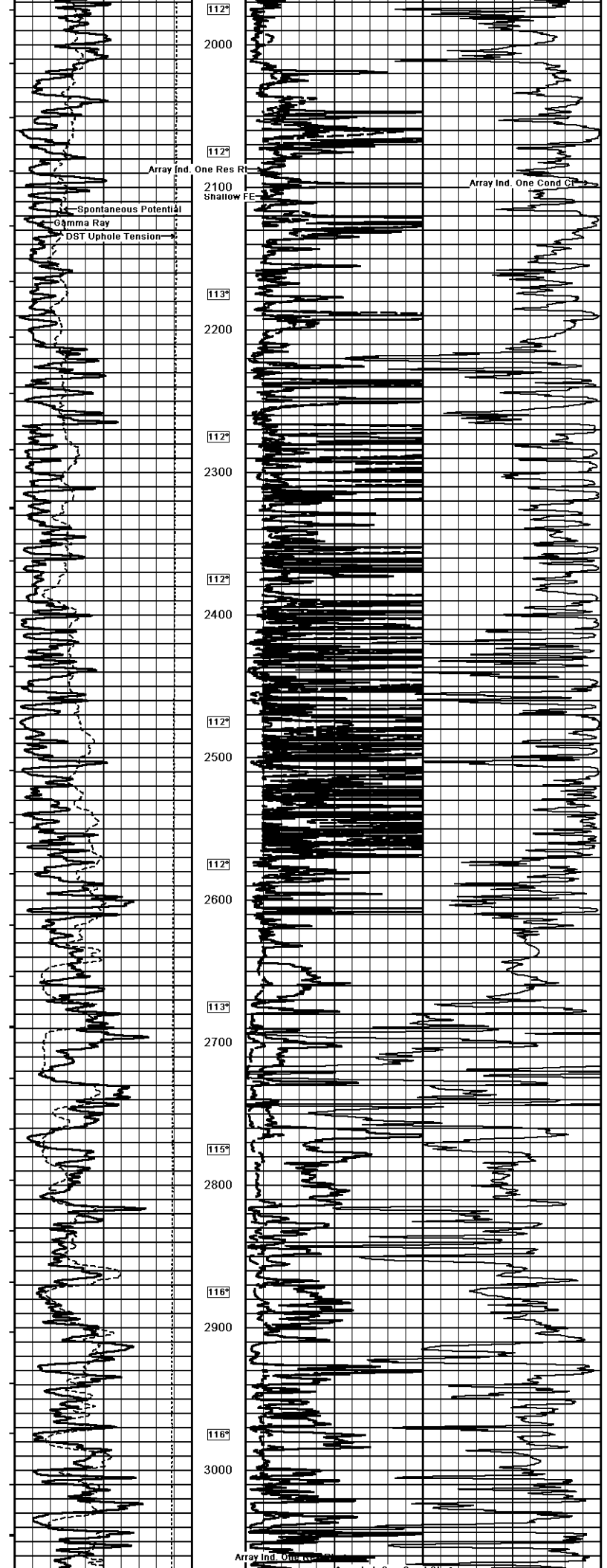


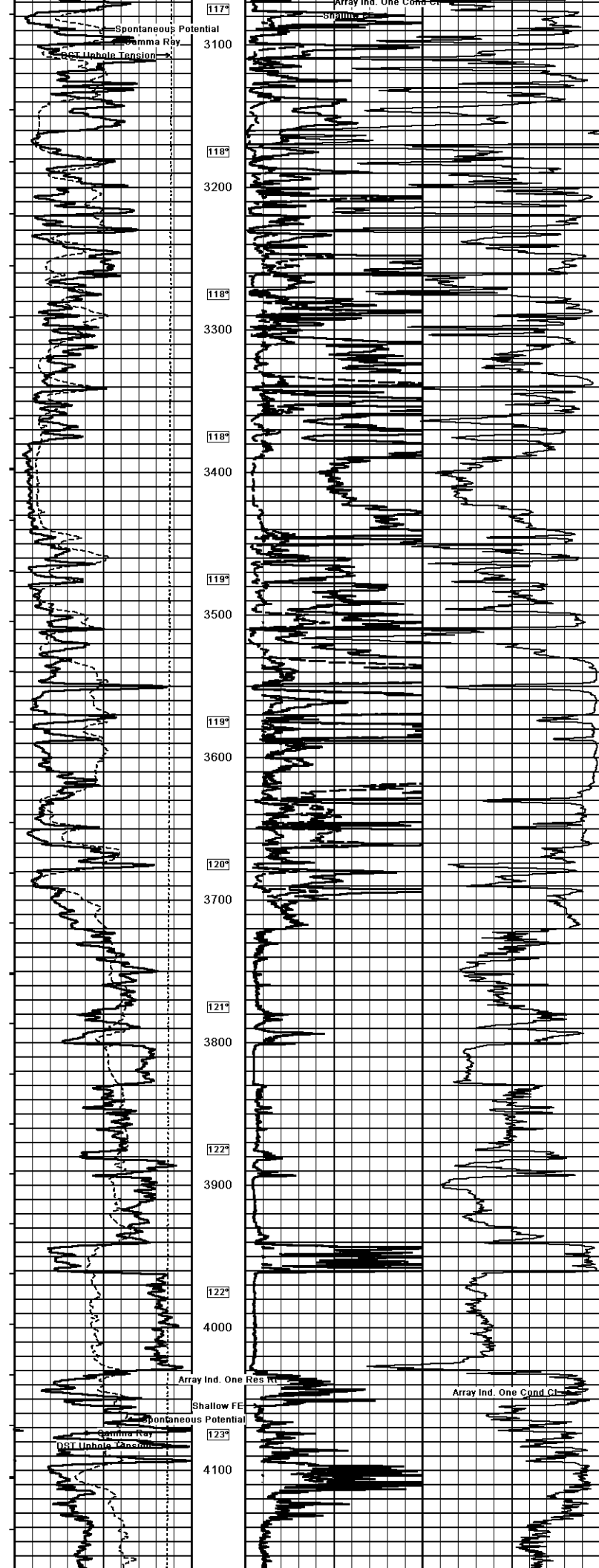
ARRAY INDUCTION

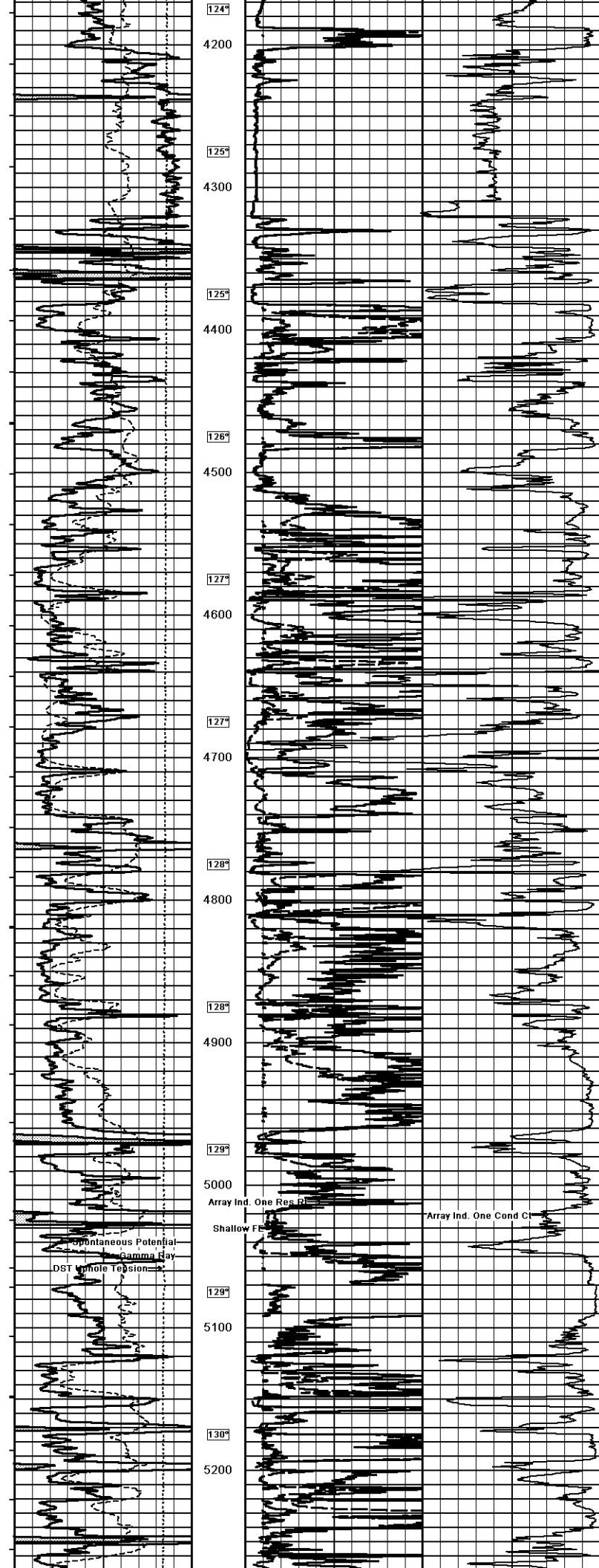
ARRAY INDUCTION  
SHALLOW FOCUSED  
ELECTRIC LOG

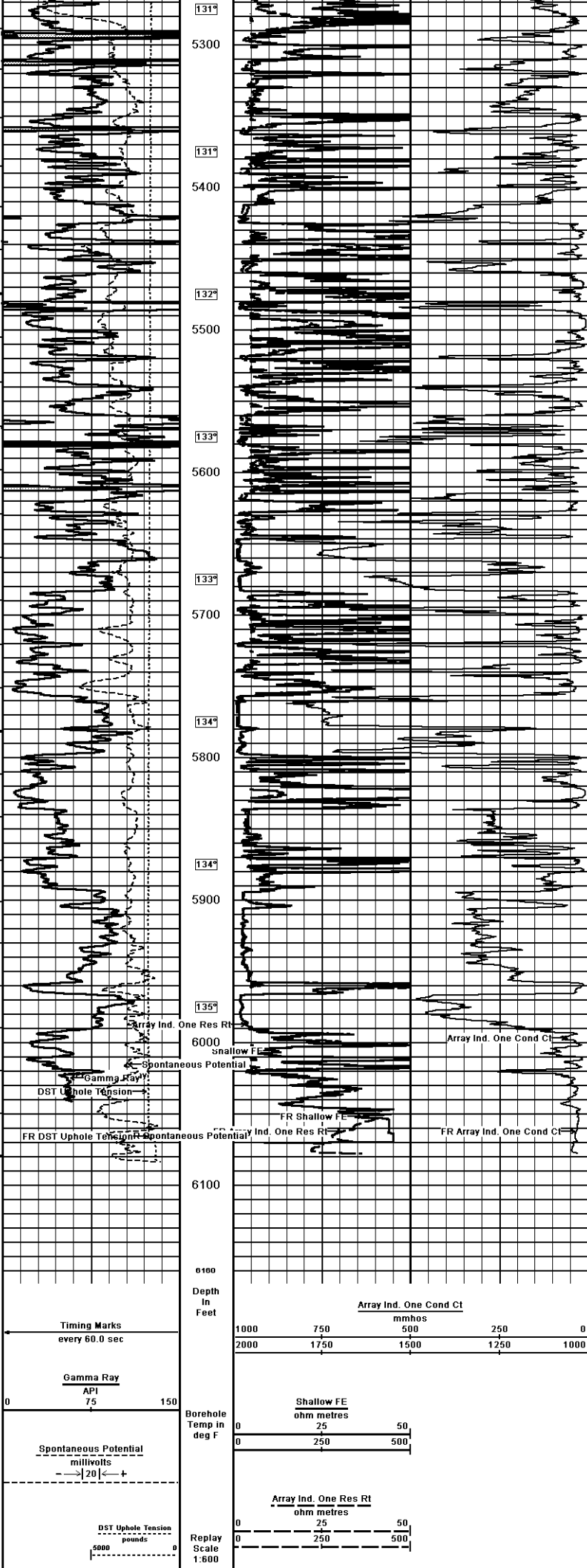
|                                                       |                                  |
|-------------------------------------------------------|----------------------------------|
| COMPANY                                               | STRAT LAND EXPLORATION           |
| WELL                                                  | FELICE #2-12                     |
| FIELD                                                 | NW BORCHERS                      |
| PROVINCE/COUNTY                                       | MEADE                            |
| COUNTY/STATE                                          | U.S.A. / KANSAS                  |
| LOCATION                                              | 1450' FWL & 330' FWL             |
| SEC                                                   | 12                               |
| TWP                                                   | 33S                              |
| ROE                                                   | 23W                              |
| APR Number                                            | 15-119-21282                     |
| Other Services                                        | MMML                             |
| Permanent Datum G.L. Elevation 2523.00 feet           |                                  |
| Log Measured From K/B @ 12 FEET above Permanent Datum |                                  |
| Drilling Measured From K/B                            |                                  |
| Date                                                  | 12-MAR-2011                      |
| Run Number                                            | ONE                              |
| Depth Driller                                         | 6070.00 feet                     |
| Depth Logger                                          | 6086.00 feet                     |
| First Reading                                         | 6083.00 feet                     |
| Last Reading                                          | 1524.00 feet                     |
| Casing Driller                                        | 1528.00 feet                     |
| Casing Logger                                         | 1524.00 feet                     |
| Bit Size                                              | 7.875 inches                     |
| Hole Fluid Type                                       | CHEMICAL                         |
| Density/Viscosity                                     | 8.90 lb/ft <sup>3</sup> 54.00 cP |
| PT/Fluid Loss                                         | 9.00 5.60 ml/30min               |
| Sample Source                                         | FLOWLINE                         |
| Rm @ Measured Temp                                    | 1.50 @102.0 ohm-m                |
| Rm @ Measured Temp                                    | 1.20 @102.0 ohm-m                |
| Rm @ Measured Temp                                    | 1.80 @102.0 ohm-m                |
| Source Rm/Rm                                          | CALC                             |
| Rm @ BHT                                              | 1.13 @35.0 ohm-m                 |
| Time Since Circulation                                | 6 HOURS                          |
| Max Recorded Temp                                     | 135.00 deg F                     |
| Equipment Name                                        | COMPACT                          |
| Equipment Base                                        | 13025 LB                         |
| Recorded By                                           | R. HOFFMAN                       |
| Witnessed By                                          | MELVIN EARL                      |
| S.O. # / Job #                                        | 3528087                          |
| LEB11-047                                             |                                  |











|                         |                        |      |               |         |      |
|-------------------------|------------------------|------|---------------|---------|------|
| COMPANY                 | STRAT LAND EXPLORATION |      |               |         |      |
| WELL                    | FELICE #2-12           |      |               |         |      |
| FIELD                   | NW BORCHERS            |      |               |         |      |
| PROVINCE/COUNTY         | MEADE                  |      |               |         |      |
| COUNTRY/STATE           | U.S.A. / KANSAS        |      |               |         |      |
| Elevation Kelly Bushing | 2535.00                | feet | First Reading | 6063.00 | feet |
| Elevation Drill Floor   | 2533.00                | feet | Depth Driller | 6070.00 | feet |
| Elevation Ground Level  | 2523.00                | feet | Depth Logger  | 6066.00 | feet |



ARRAY INDUCTION  
SHALLOW FOCUSSED  
ELECTRIC LOG