



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
 Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1063792

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

September 21, 2011

Scott Hampel
McCoy Petroleum Corporation
8080 E CENTRAL STE 300
WICHITA, KS 67206-2366

Re: ACO1
API 15-081-21952-00-00
SCHMIDT 'D' 4-29
SE/4 Sec.29-30S-31W
Haskell County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Scott Hampel

McCoy Petroleum Corporation
8080 E. Central, Suite 300
Wichita, Kansas 67206

316-636-2737

McCoy Petroleum Corporation
Schmidt 'D' #4-29
SW SE SE, Section 29-30S-31W
330' FSL & 990' FEL
Haskell County, Kansas
API# 15-081-21952-0000

SAMPLE TOPS

Heebner	4186 (-1332)
Lansing	4253 (-1399)
Lansing G	4534 (-1680)
Stark	4685 (-1831)
Swope	4694 (-1840)
Hushpuckney	4745 (-1891)
Hertha	4753 (-1899)
RTD	4870 (-2016)

ELECTIC LOG TOPS

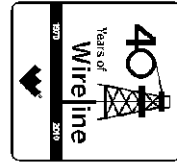
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Lansing G	4534 (-1680)
Stark	4685 (-1831)
Swope	4694 (-1840)
Hushpuckney	4745 (-1891)
Hertha	4753 (-1899)
LTD	4871 (-2017)



Weatherford

**ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG**

COMPANY **MCCOY PETROLEUM**
WELL **SCHMIDT -D- #4-29**
FIELD **LETTE SE**
PROVINCE/COUNTY **HASKELL**
COUNTRY/STATE **U.S.A. / KANSAS**
LOCATION **SW SE SE
330' FSL & 990' FEL**



SEC **TWP** **RGE** **Other Services**
29 **30S** **31W** **MPD/MDN**
API Number **15-081-21952** **MML**
Permit Number

Permanent Datum GL, Elevation 2842 feet
Log Measured From K.B. @ 13 FEET above Permanent Datum
Drilling Measured From K.B.

Elevations: **feet**
KB 2855.00
DF 2854.00
GL 2842.00

Date	19-JUL-2011
Run Number	ONE
Depth Driller	4870.00 feet
Depth Logger	4871.00 feet
First Reading	4868.00 feet
Last Reading	1874.00 feet
Casing Driller	1874.00 feet
Casing Logger	1873.00 feet
Bit Size	7.880 inches
Hole Fluid Type	CHEMICAL
Density / Viscosity	9.15 lb/USg 50.00 CP
PH / Fluid Loss	10.50 8.40 ml/30Min
Sample Source	FLOWLINE
Rm @ Measured Temp	1.23 @ 93.0 ohm-m
Rmf @ Measured Temp	0.98 @ 93.0 ohm-m
Rmc @ Measured Temp	1.47 @ 93.0 ohm-m
Source Rmf / Rmc	CALC CALC
Rm @ BHT	0.93 @122.0 ohm-m
Time Since Circulation	4 HOURS
Max Recorded Temp	122.00 deg F
Equipment Name	COMPACT
Equipment / Base	13025 LIB
Recorded By	W. STAMBAUGH
Witnessed By	TIM PRIEST
S.O. #/JOB #	3531138 LB11-169

BOREHOLE RECORD

Last Edited: 19-JUL-2011 16:22

Bit Size inches	Depth From feet	Depth To feet
7.880	1873.00	4871.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	1873.00	24.00

REMARKS

Tools Run: MAI, MPD, MCG, MDN, MFE, MML,
Hardware: MPD: 8 inch profile plate used. MAI and MFE: 0.5 inch standoffs used. MDN: Dual Eccentralizer used.
2.71 G/CC Limestone density matrix used to calculate porosity.
Borehole rugosity, tight pulls, and washouts will affect data quality.
All intervals logged and scaled per customer's request.
Annular volume with 5.5 inch production casing 175 Cubic Feet
Total hole volume to top of detail section 350 Cubic feet
Service order #3531138
Rig: STERLING RIG #5
Engineer: W. Stambaugh
Operator(s): J. LaPoint

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

2 INCH MAIN

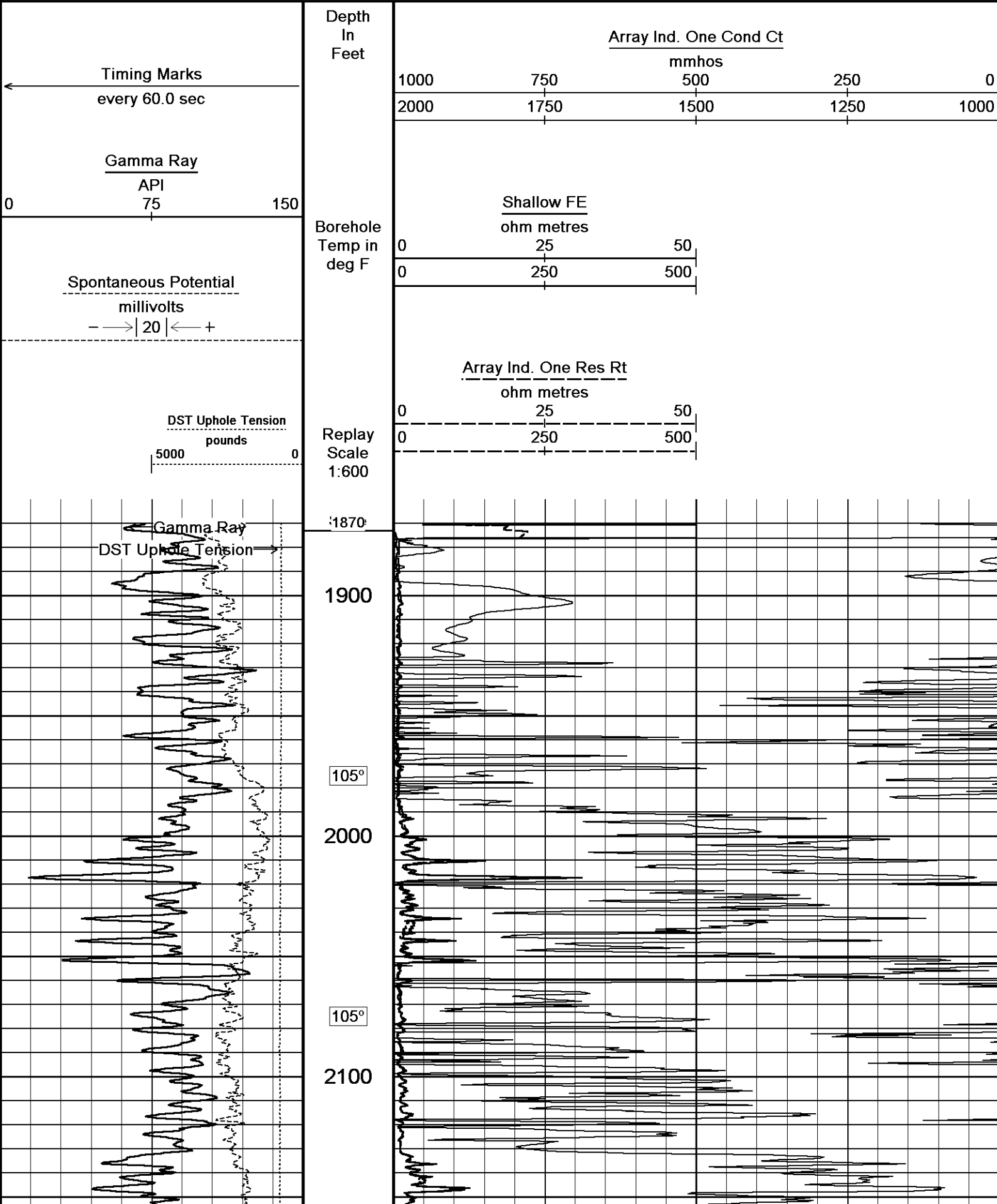
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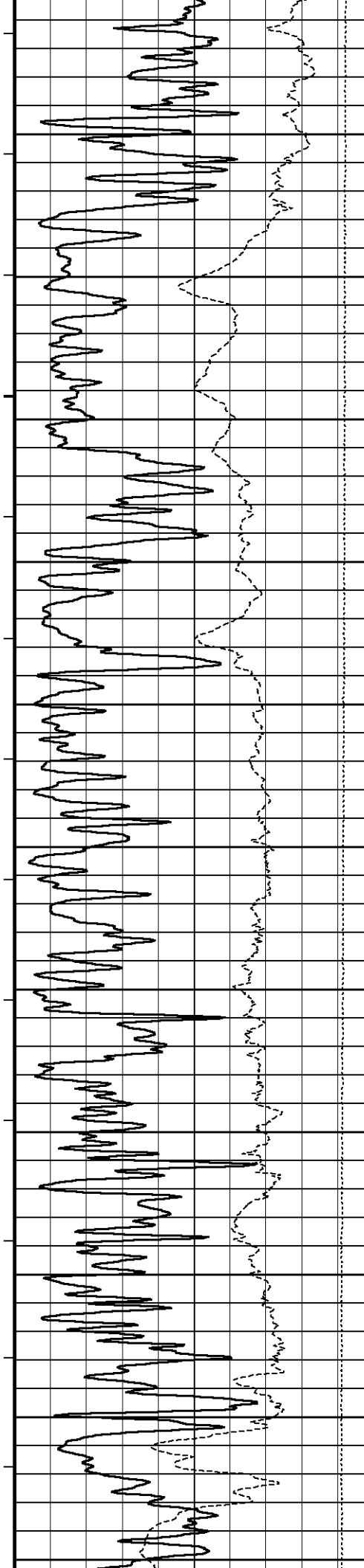
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Recorded on 19-JUL-2011 16:41

System Versions: Logged with 11.03.2789 Processed with 11.03.2789 Plotted with 12.01.3513





106°

2200

106°

2300

106°

2400

106°

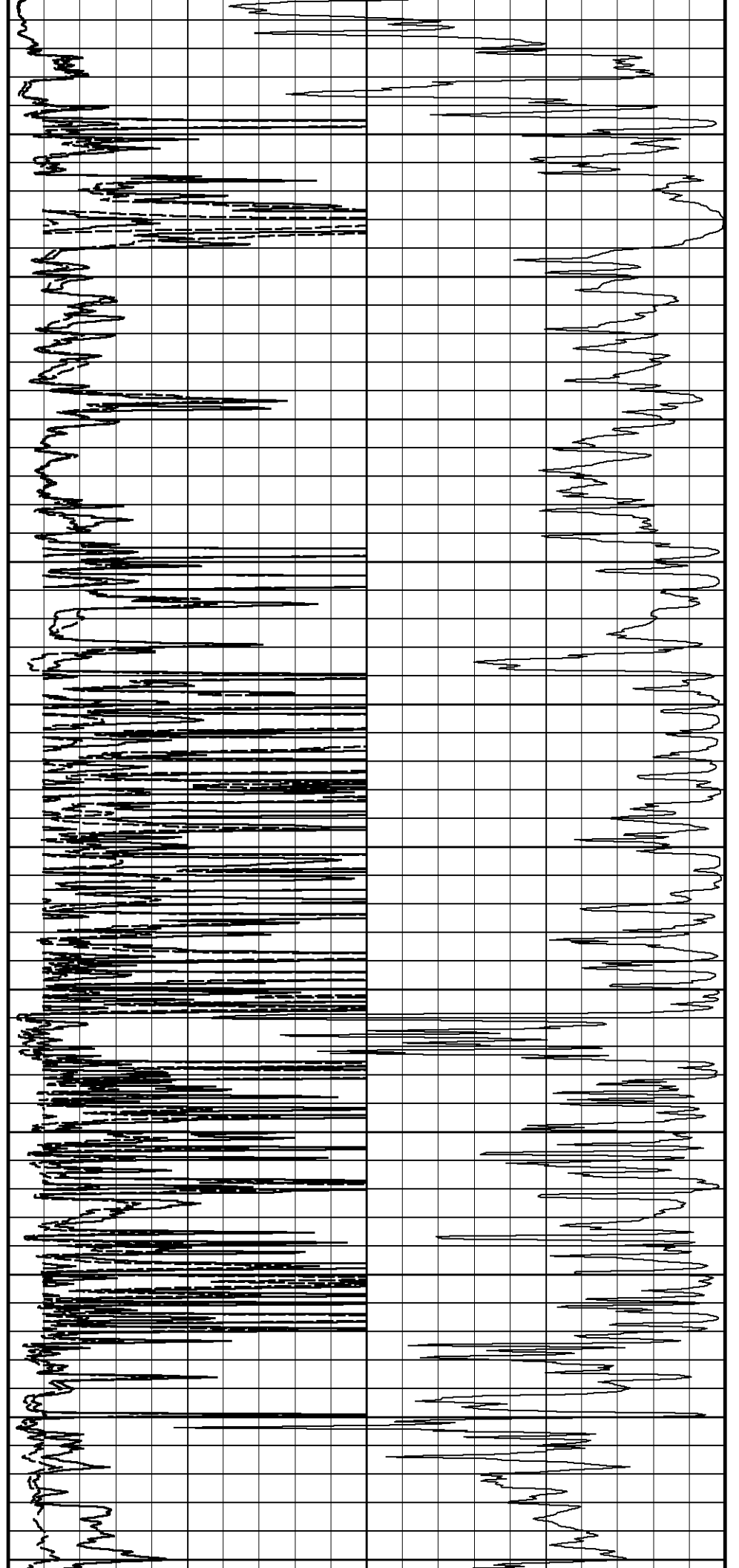
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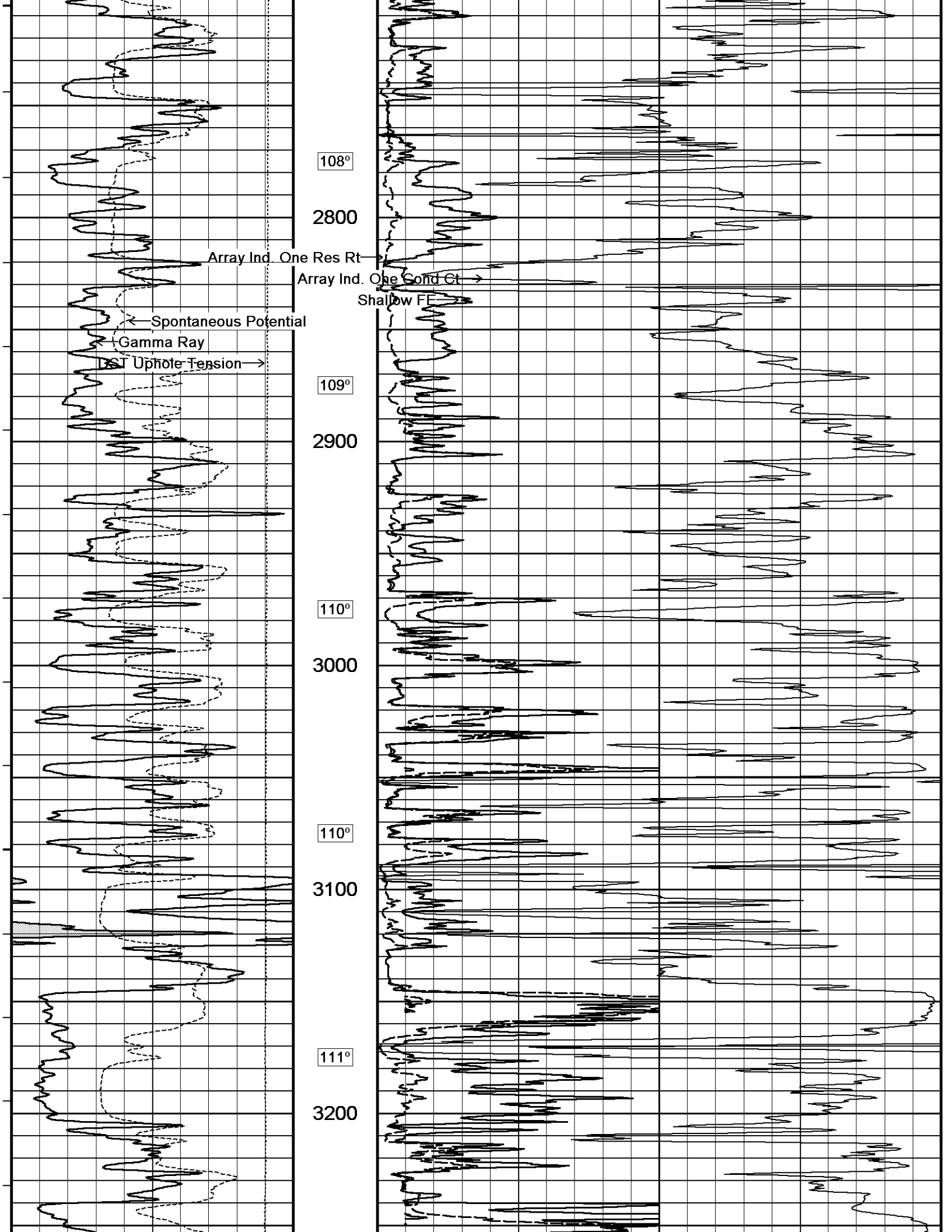
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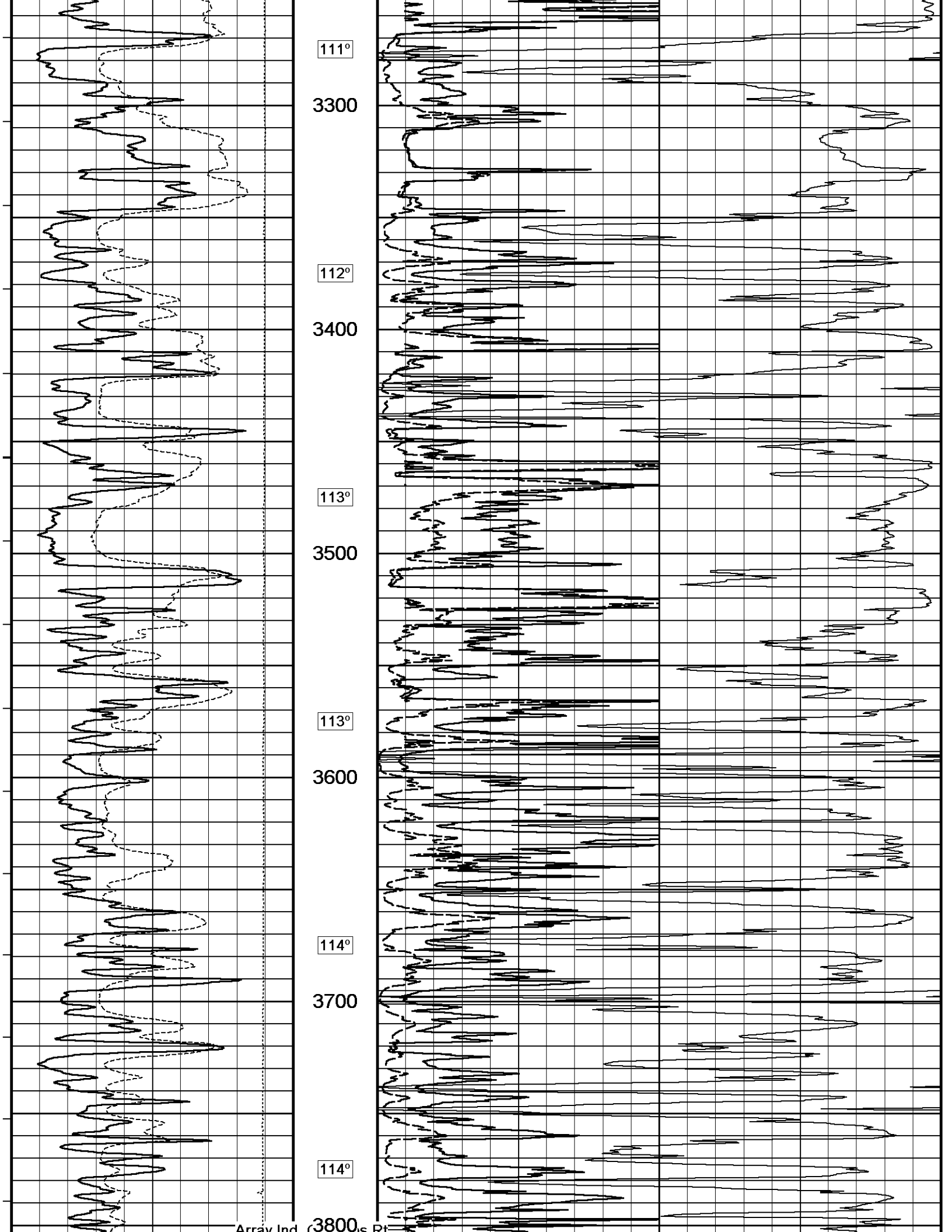
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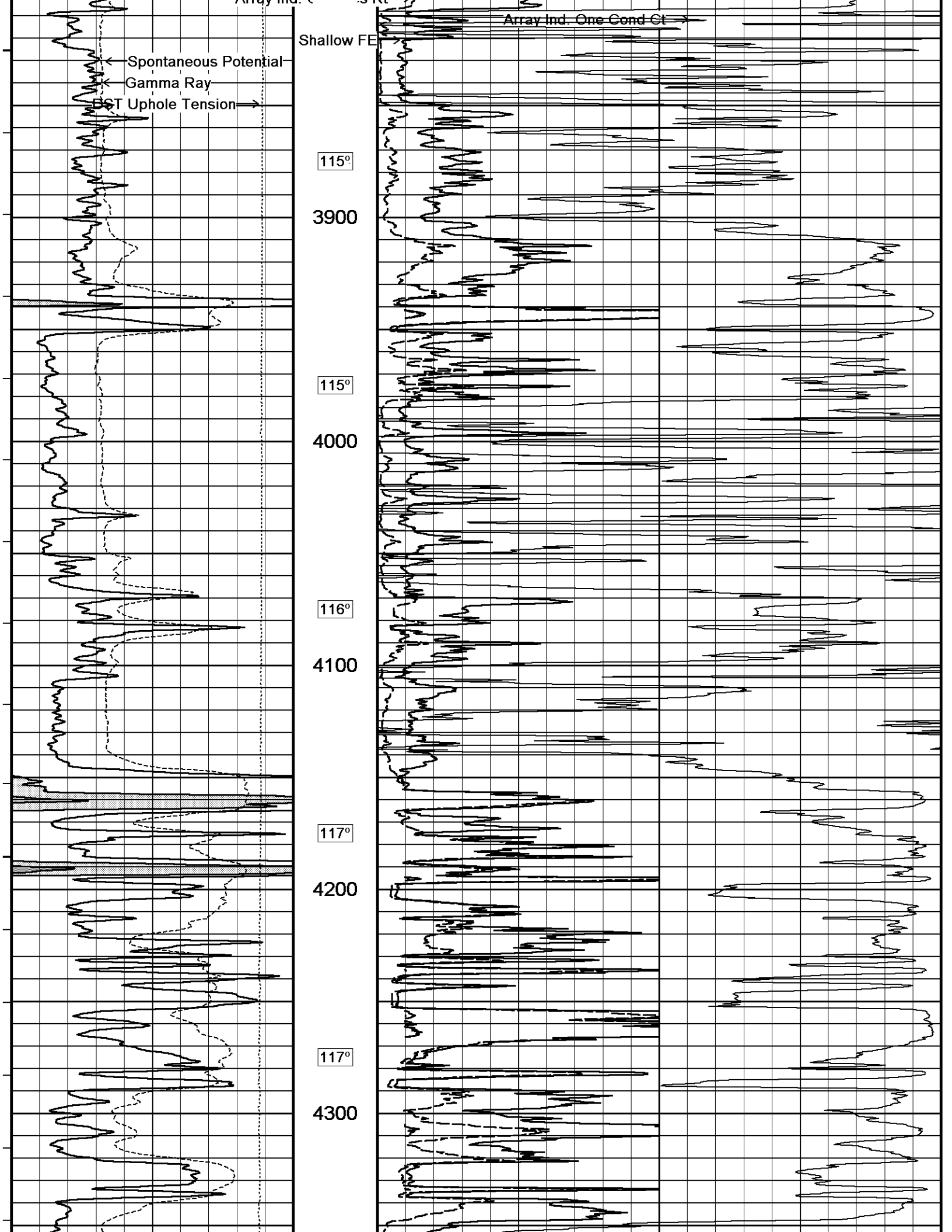
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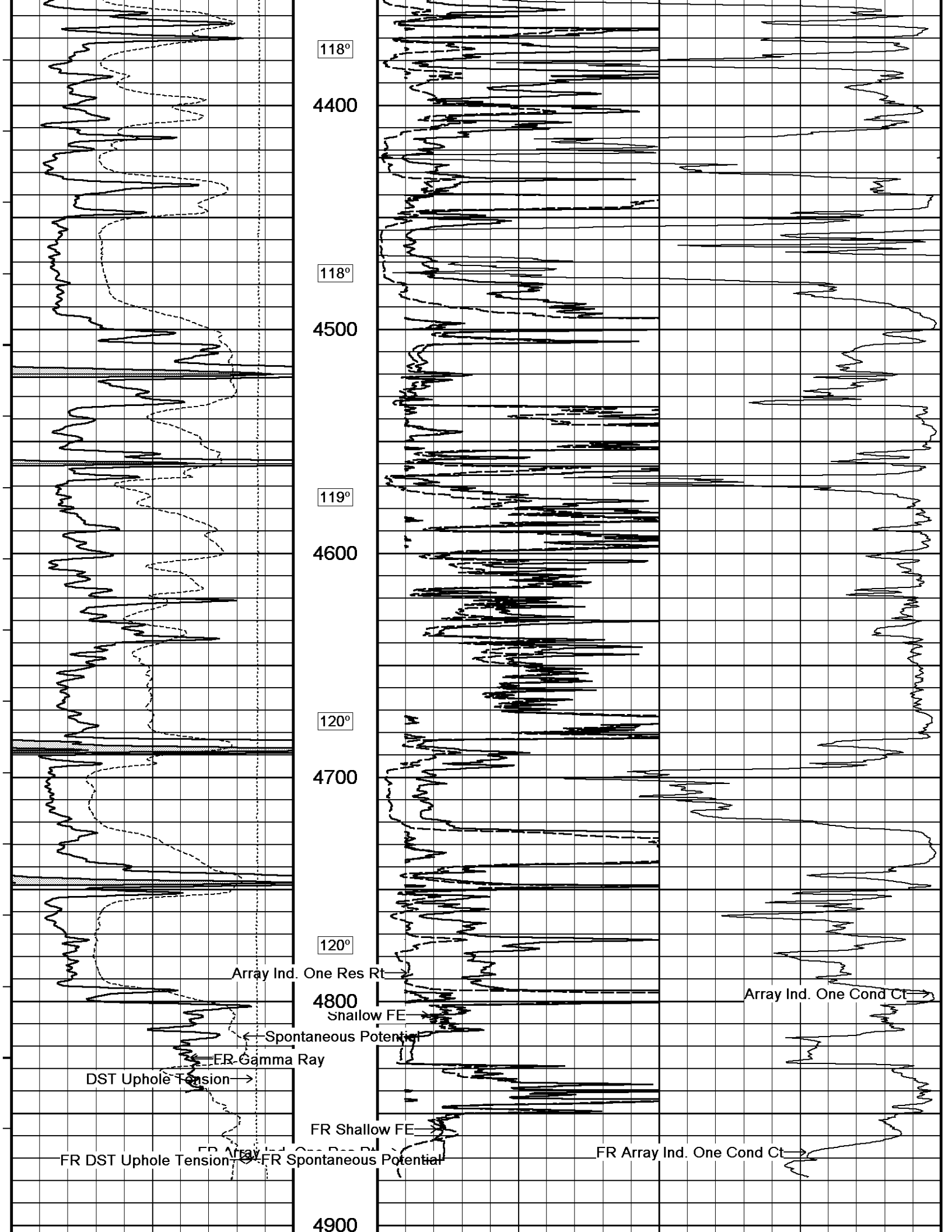
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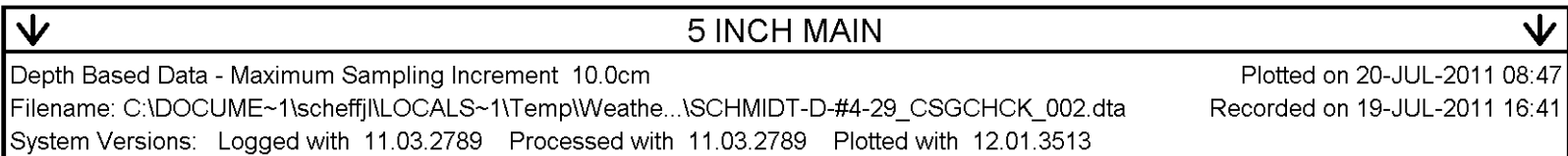
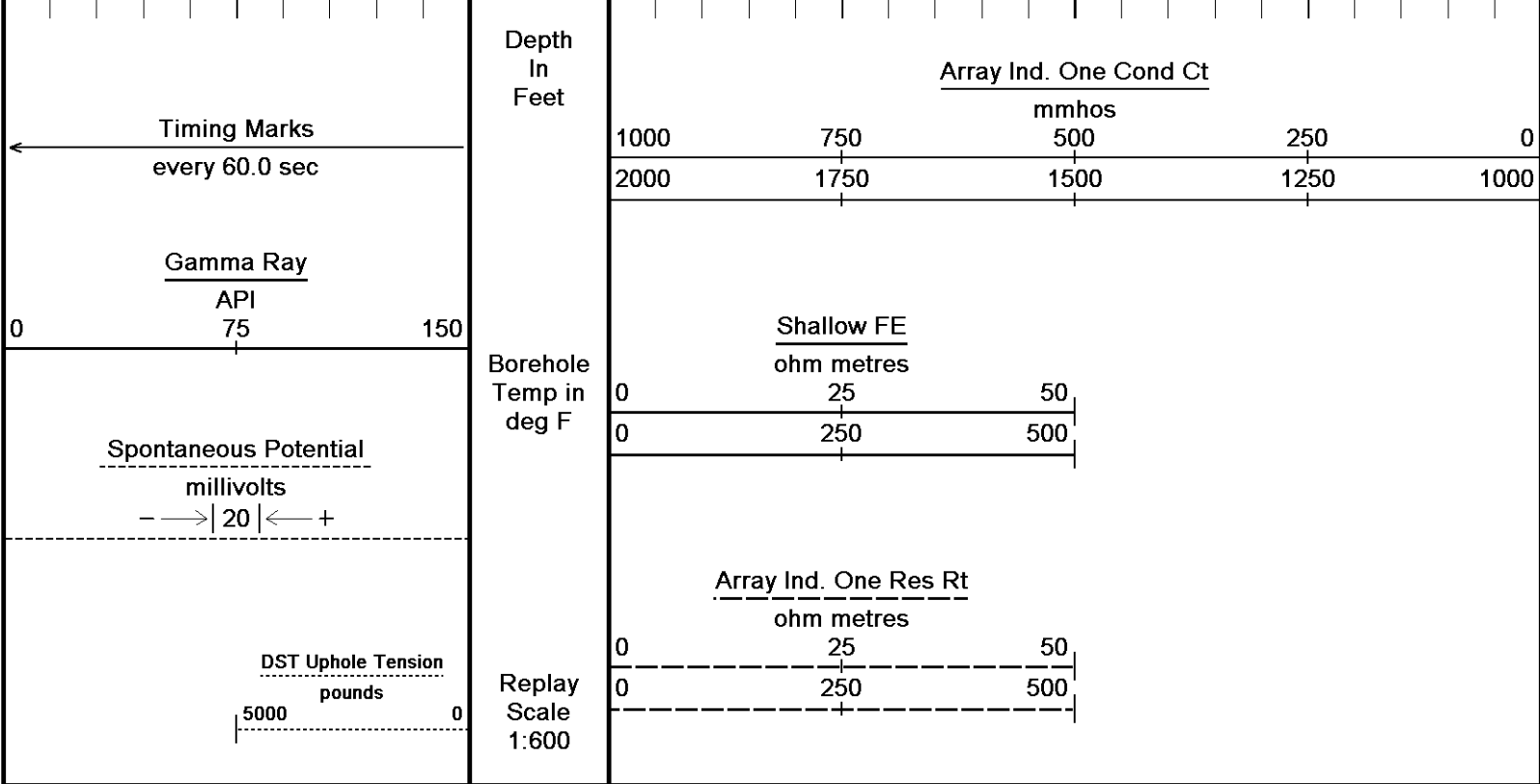












1900

105°

1950

105°

2000

105°

2050

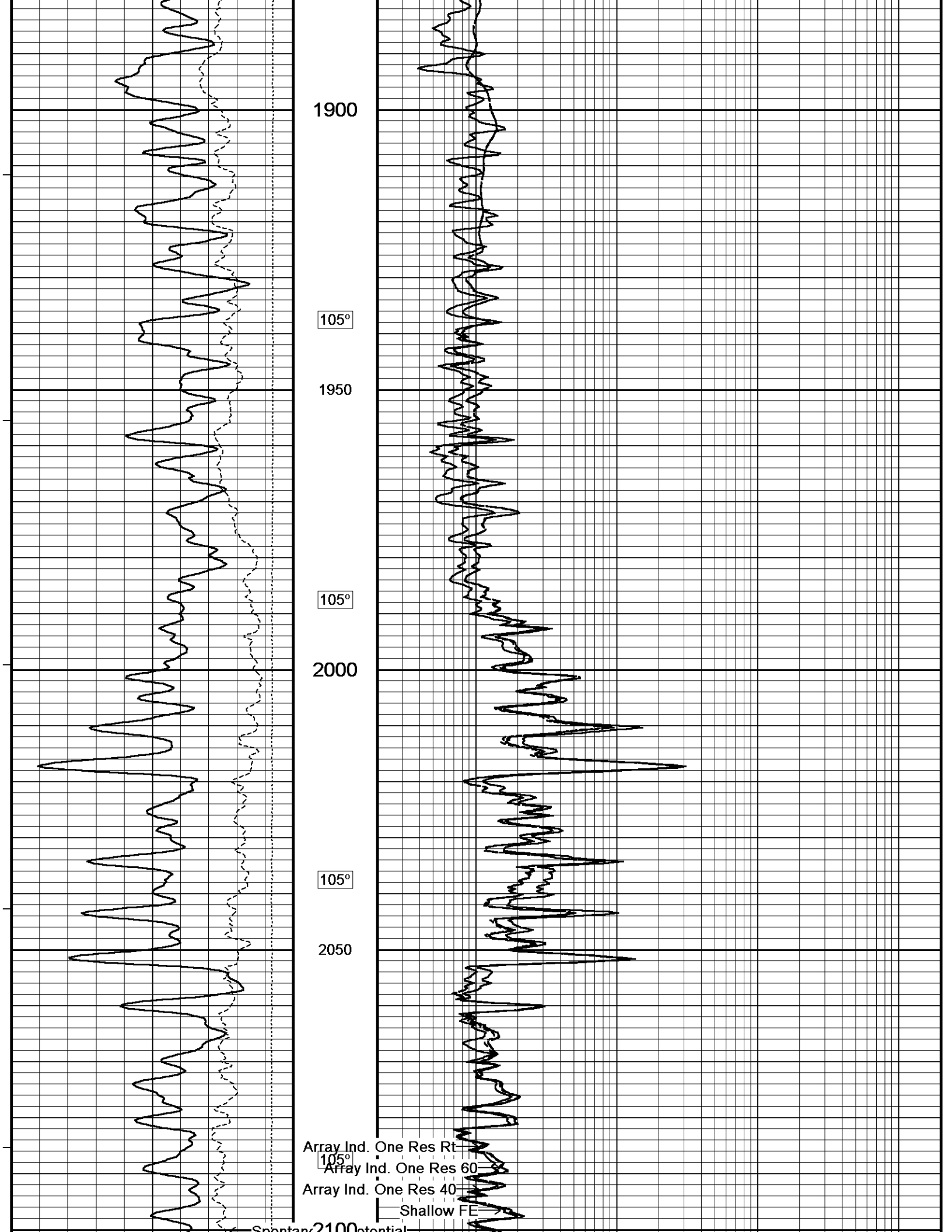
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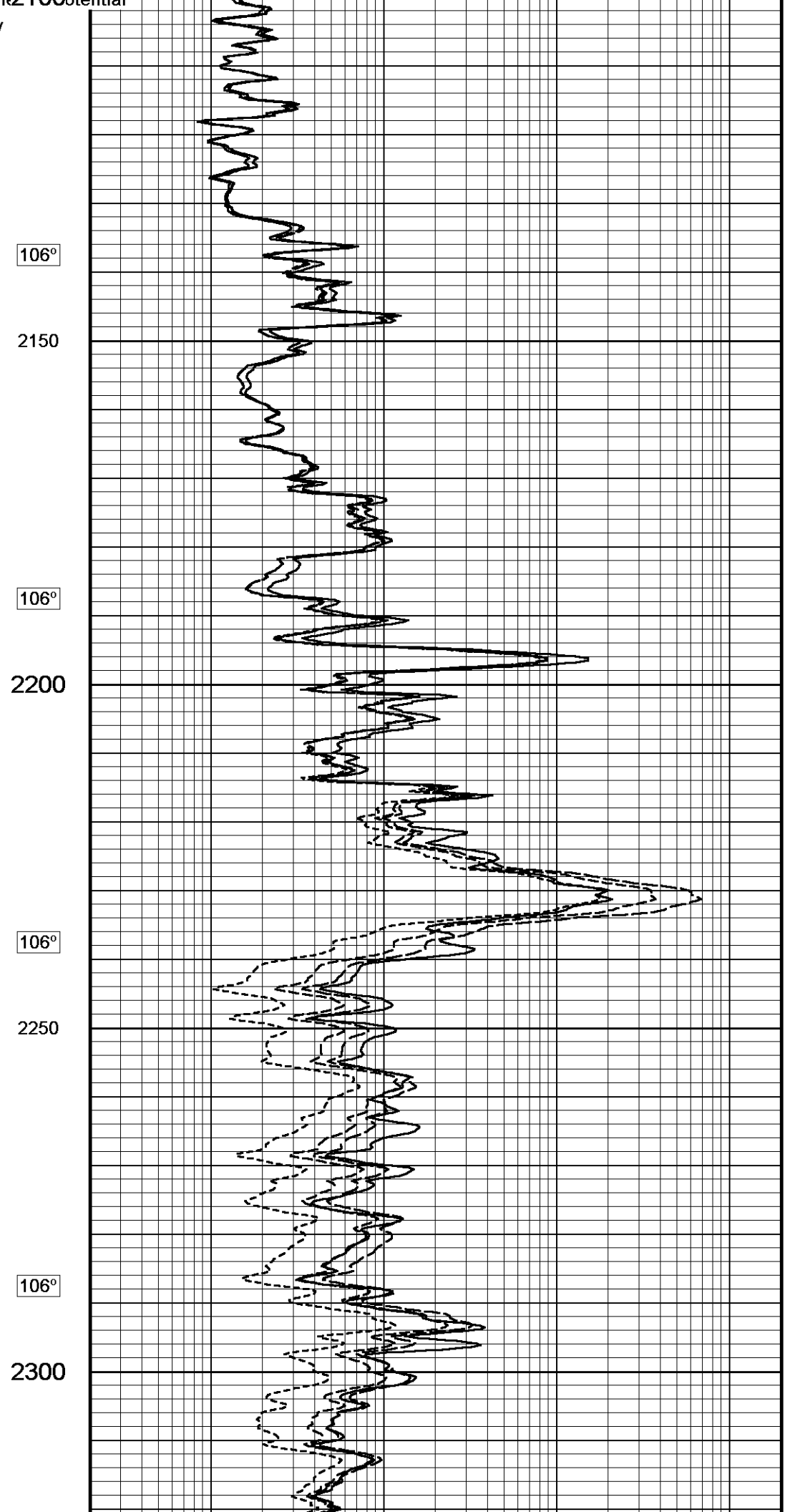
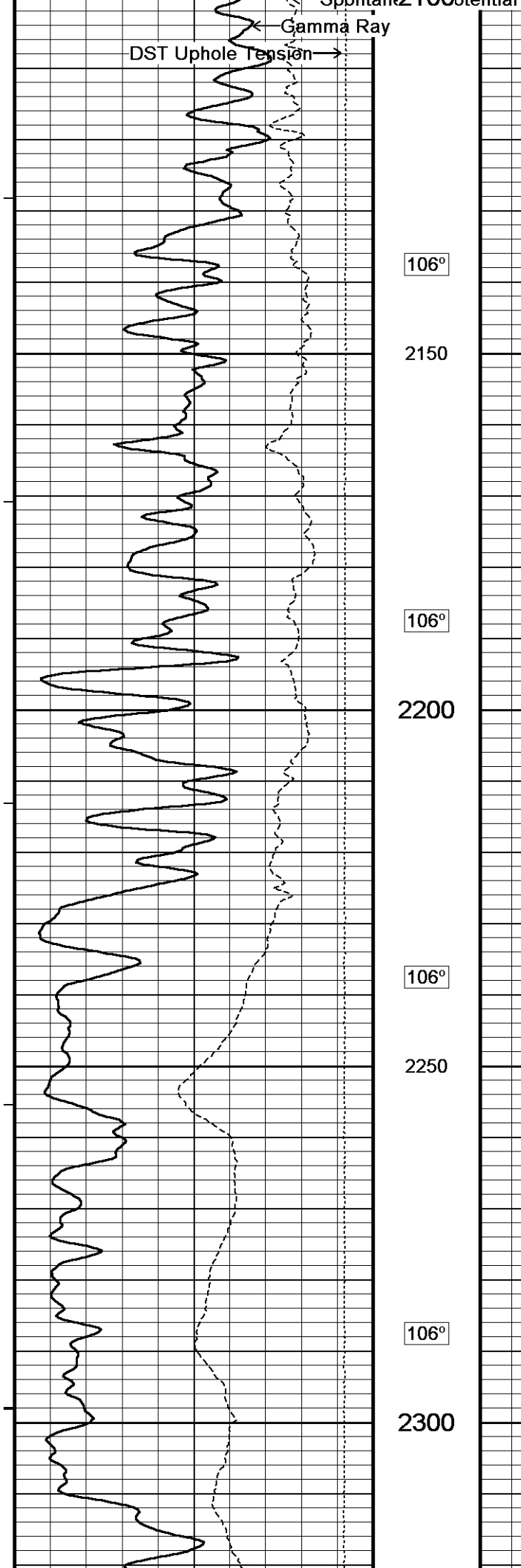
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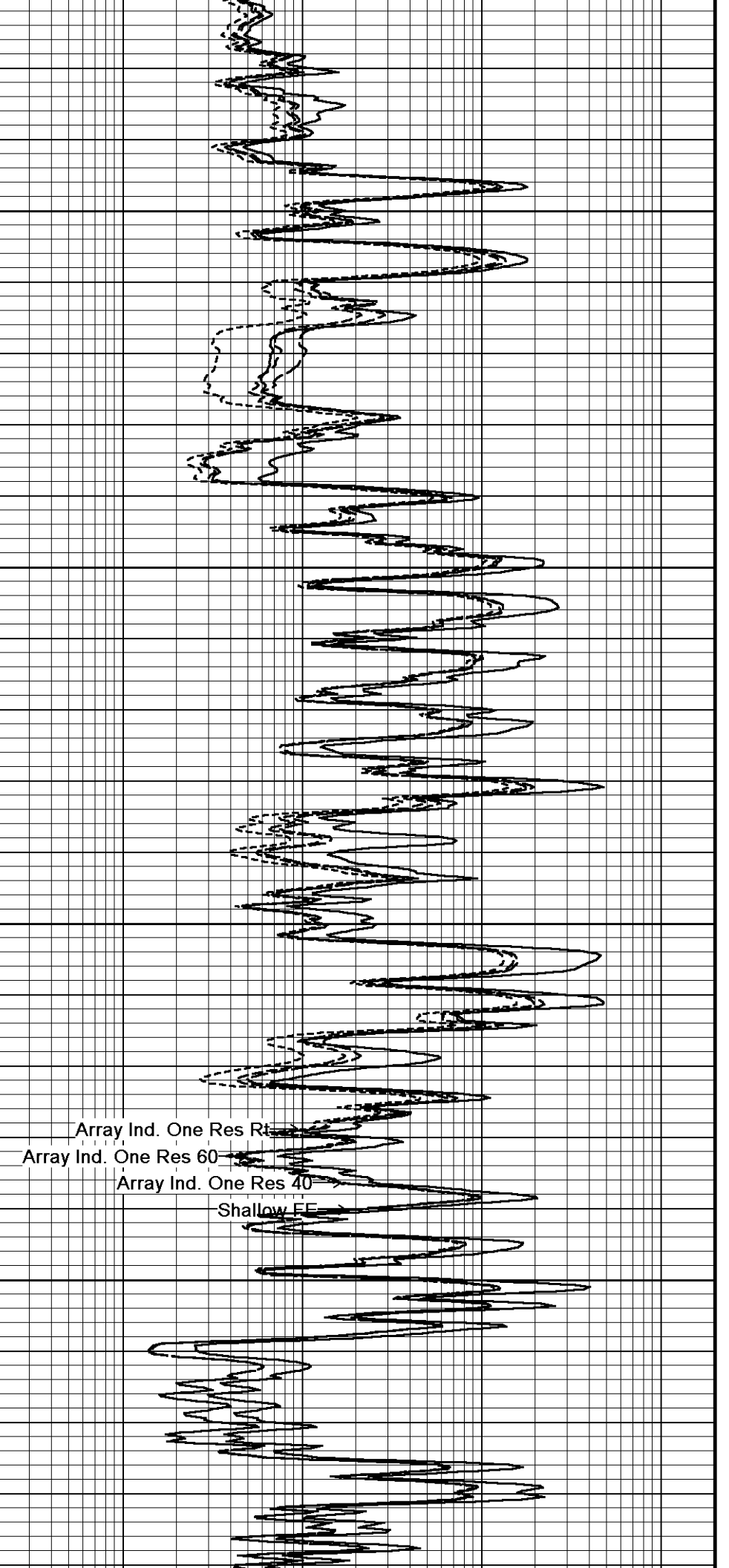
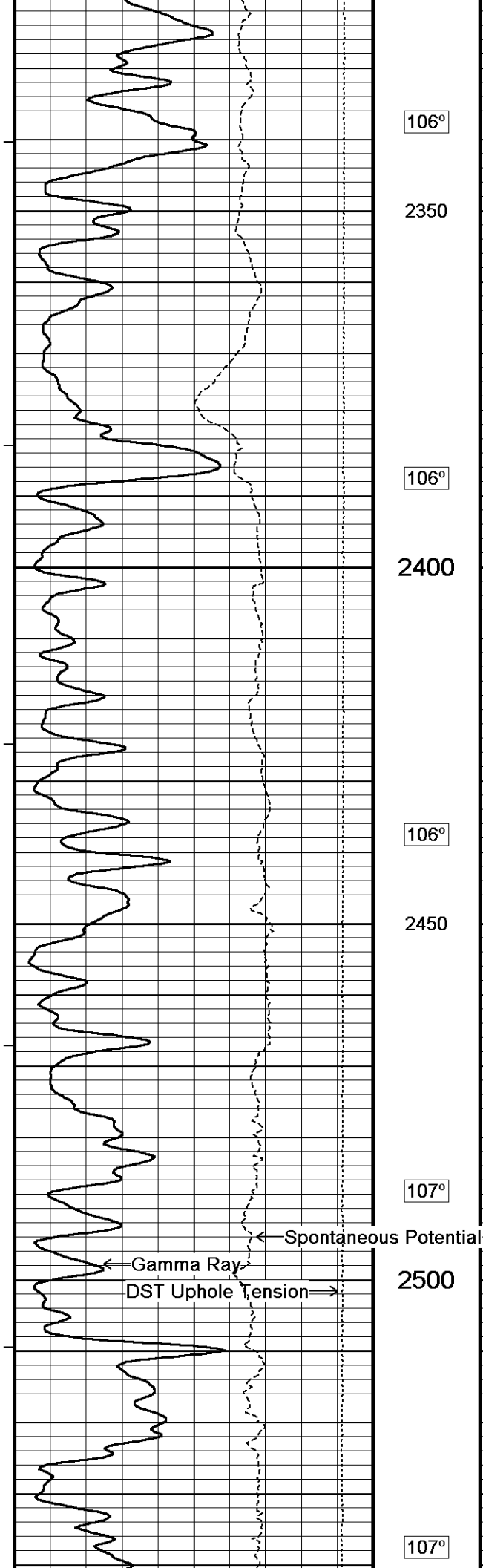
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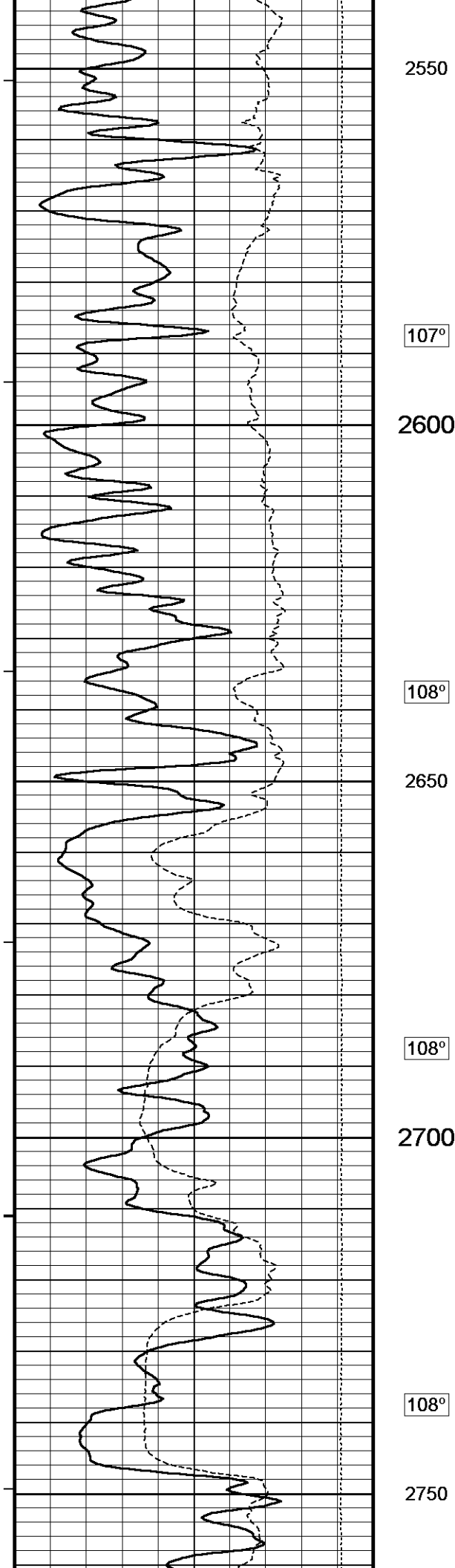
Shallow FE

Spontaneous Potential









2550

107°

2600

108°

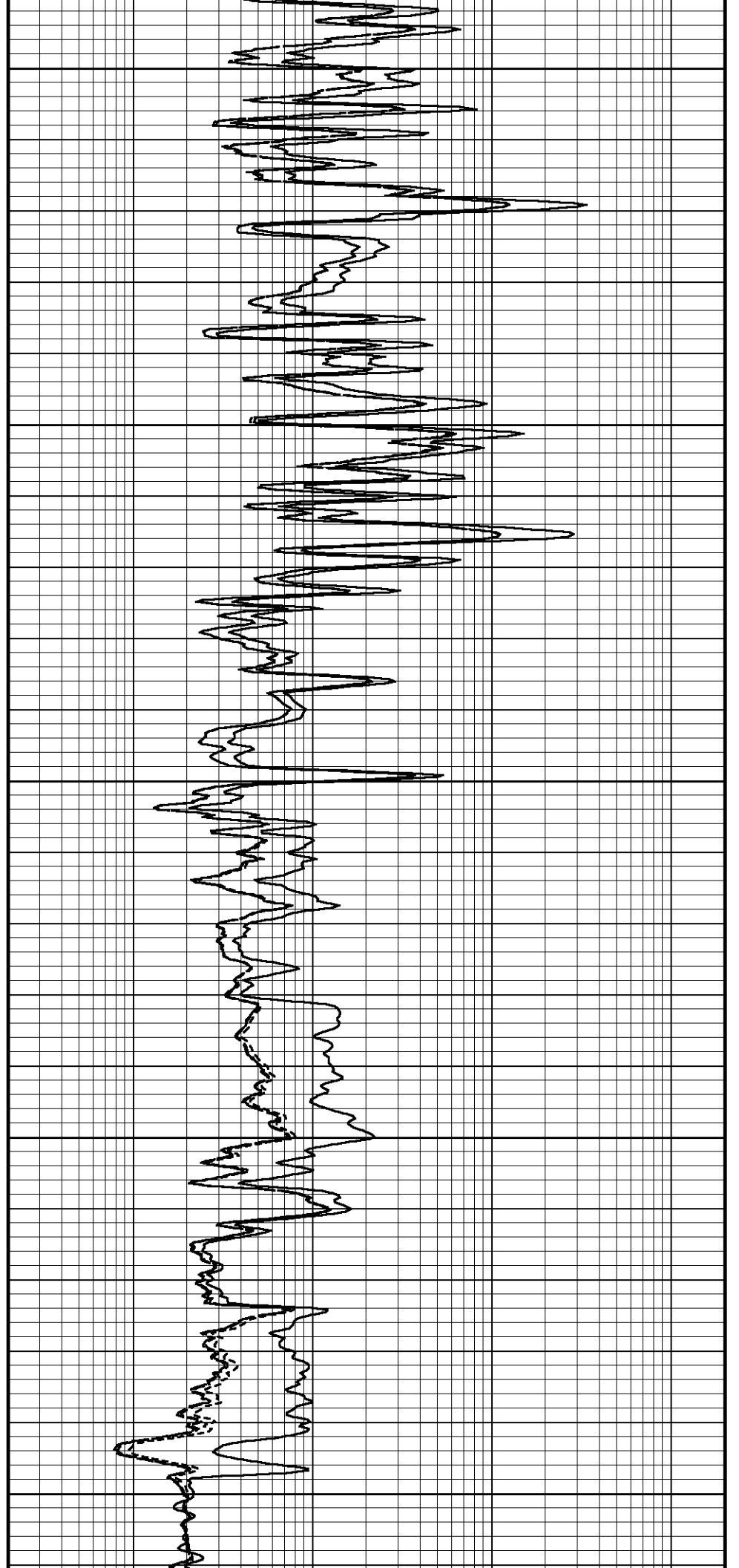
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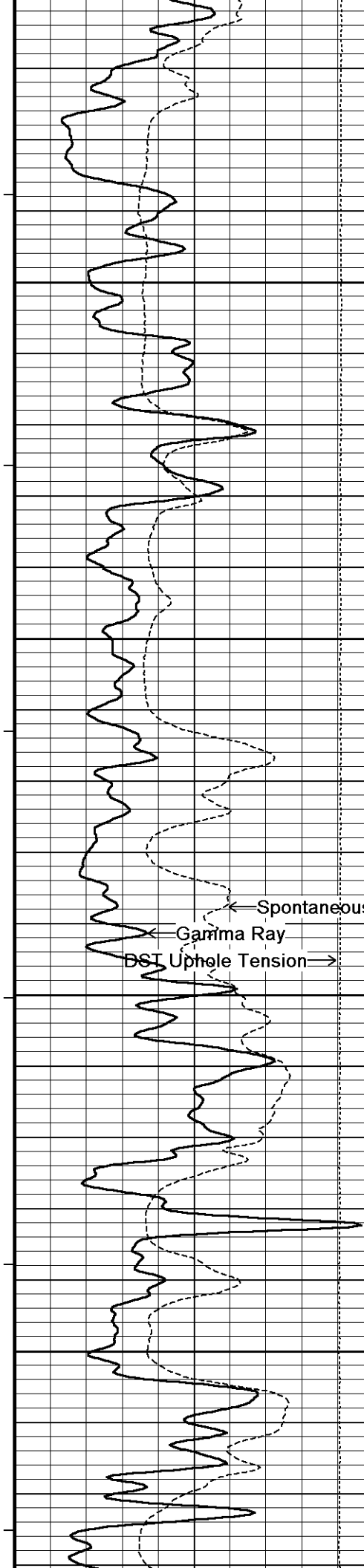
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2700

108°

2750





108°

2800

109°

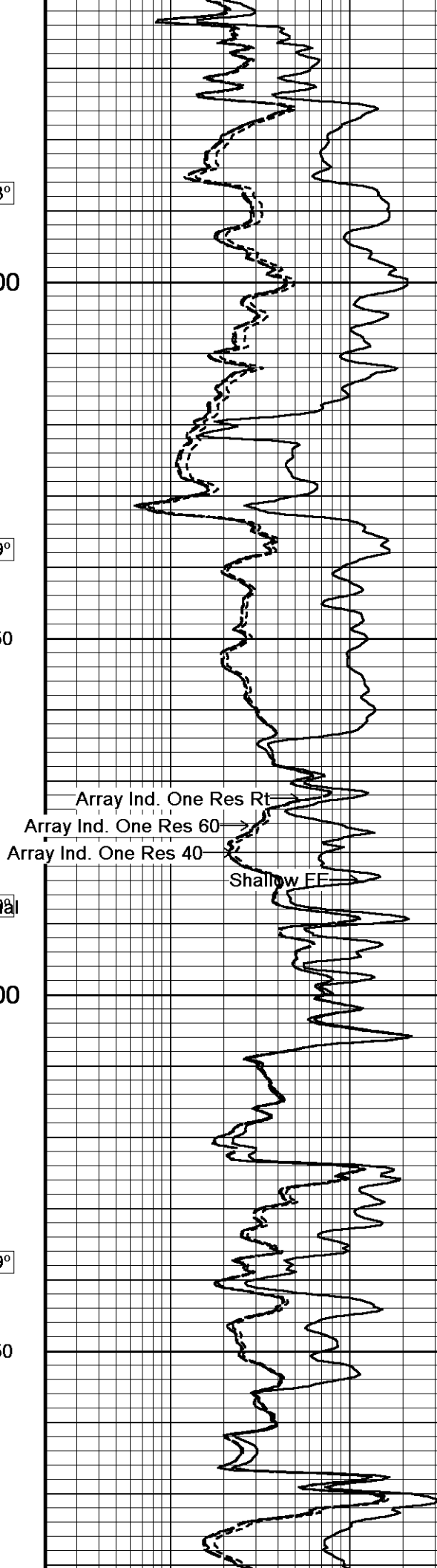
2850

100%

2900

109°

2950

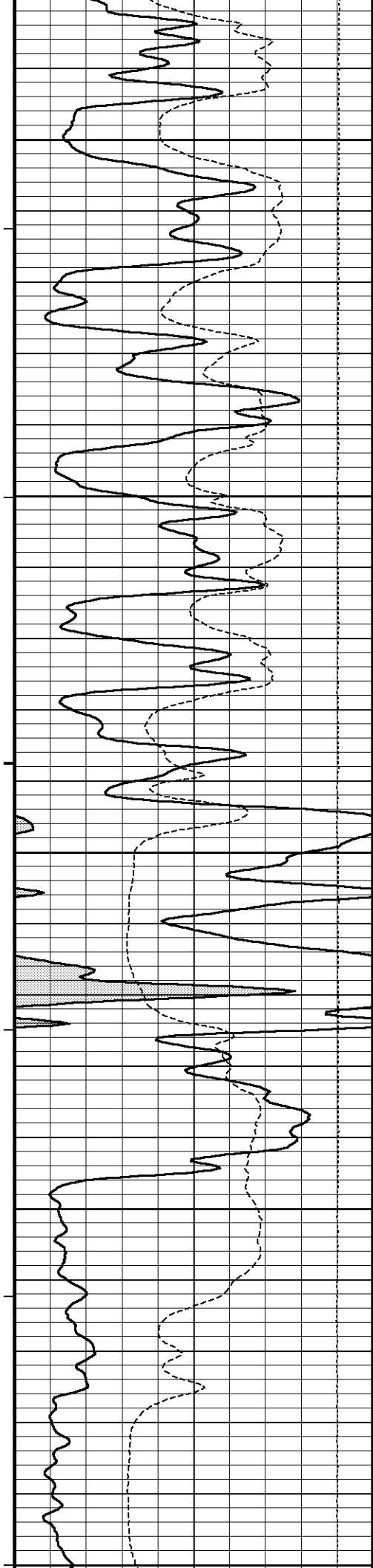


Array Ind. One Res Rt

Array Ind. One Res 60

Array Ind. One Res 40

Shallow FF



110°

3000

110°

3050

110°

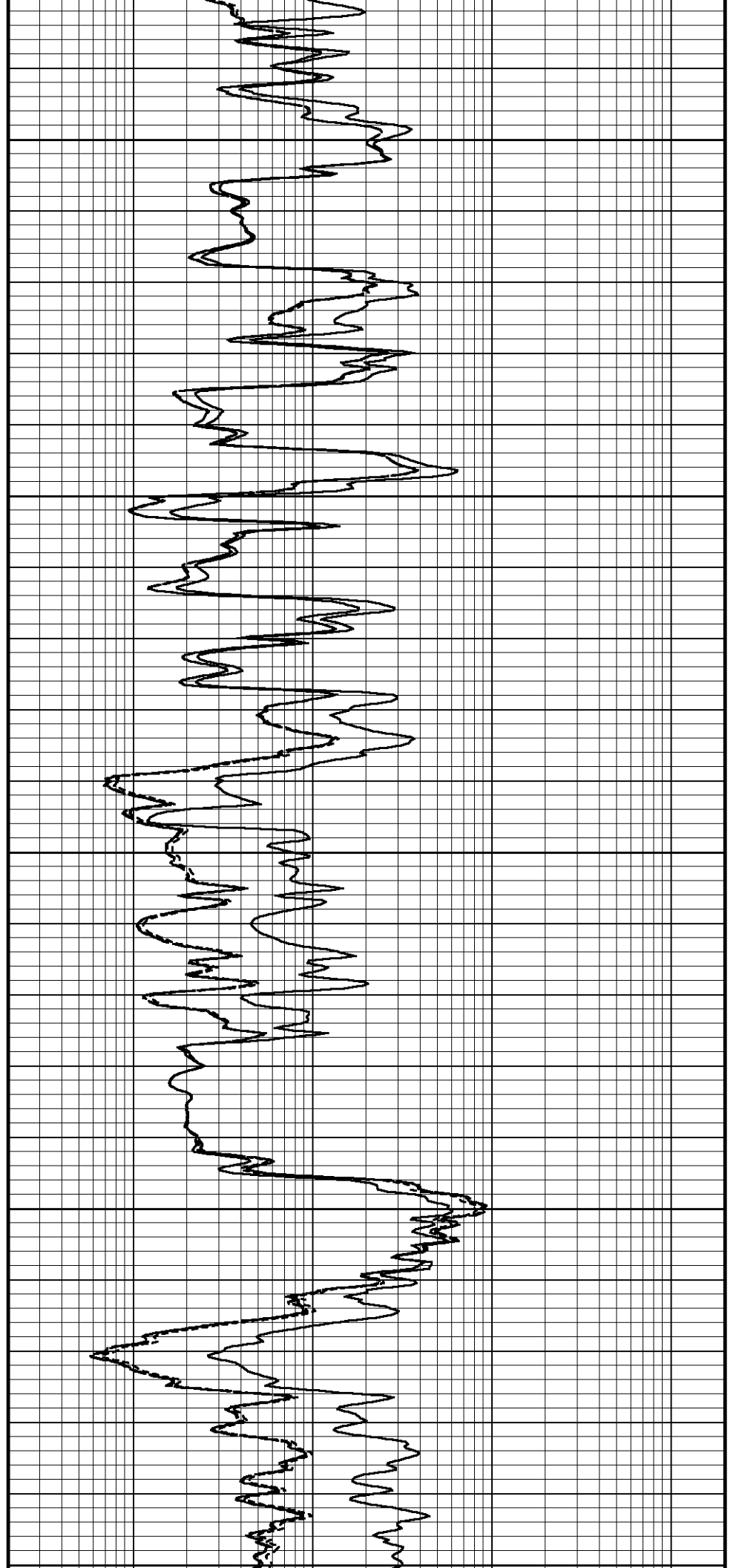
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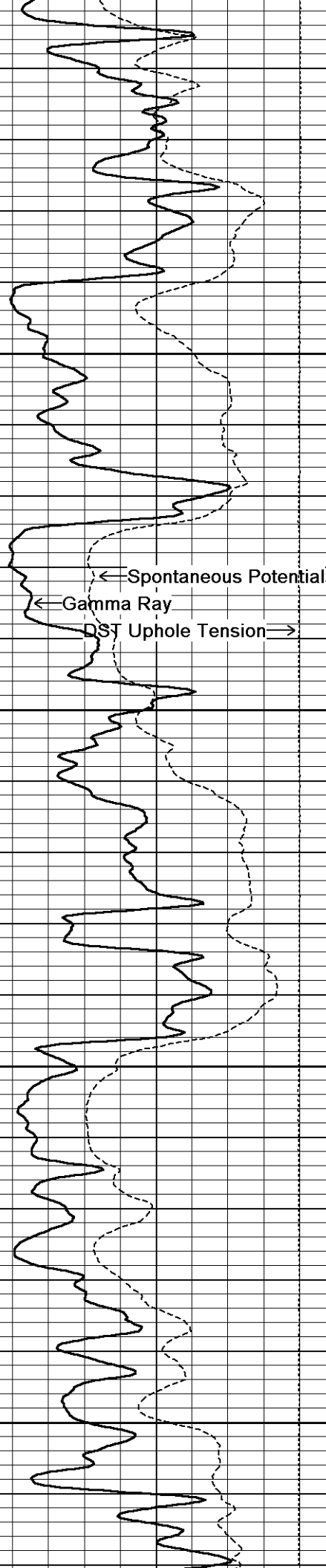
111°

3150

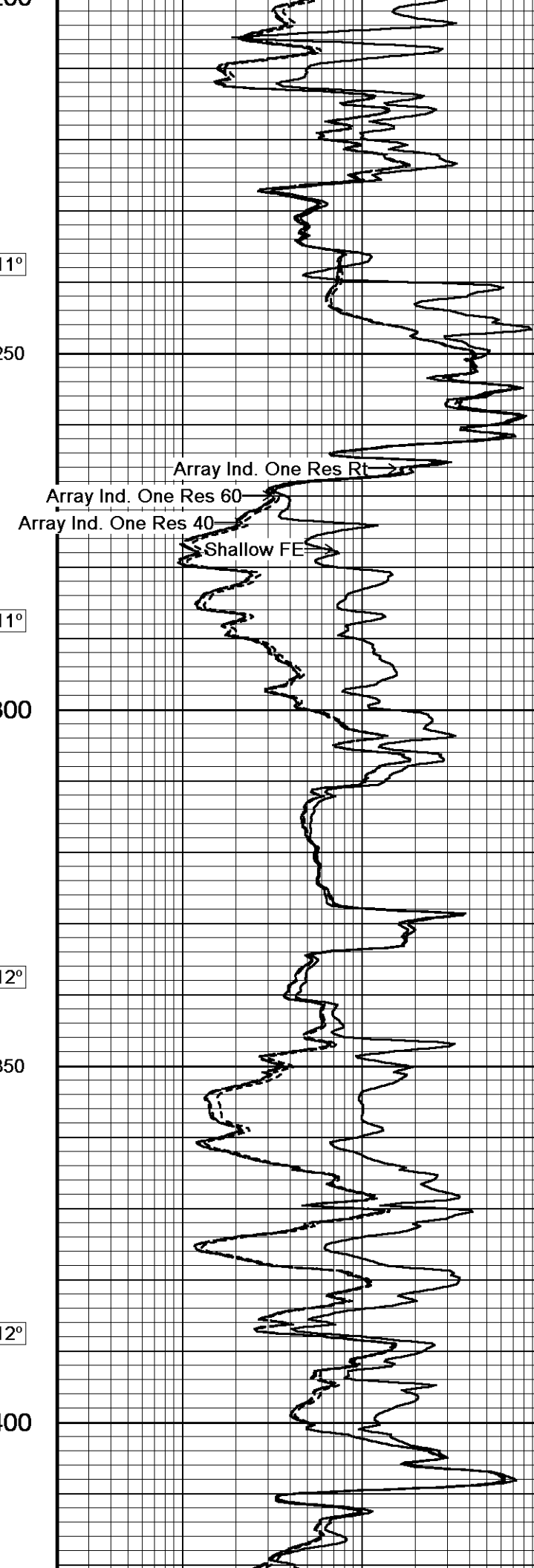
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3200

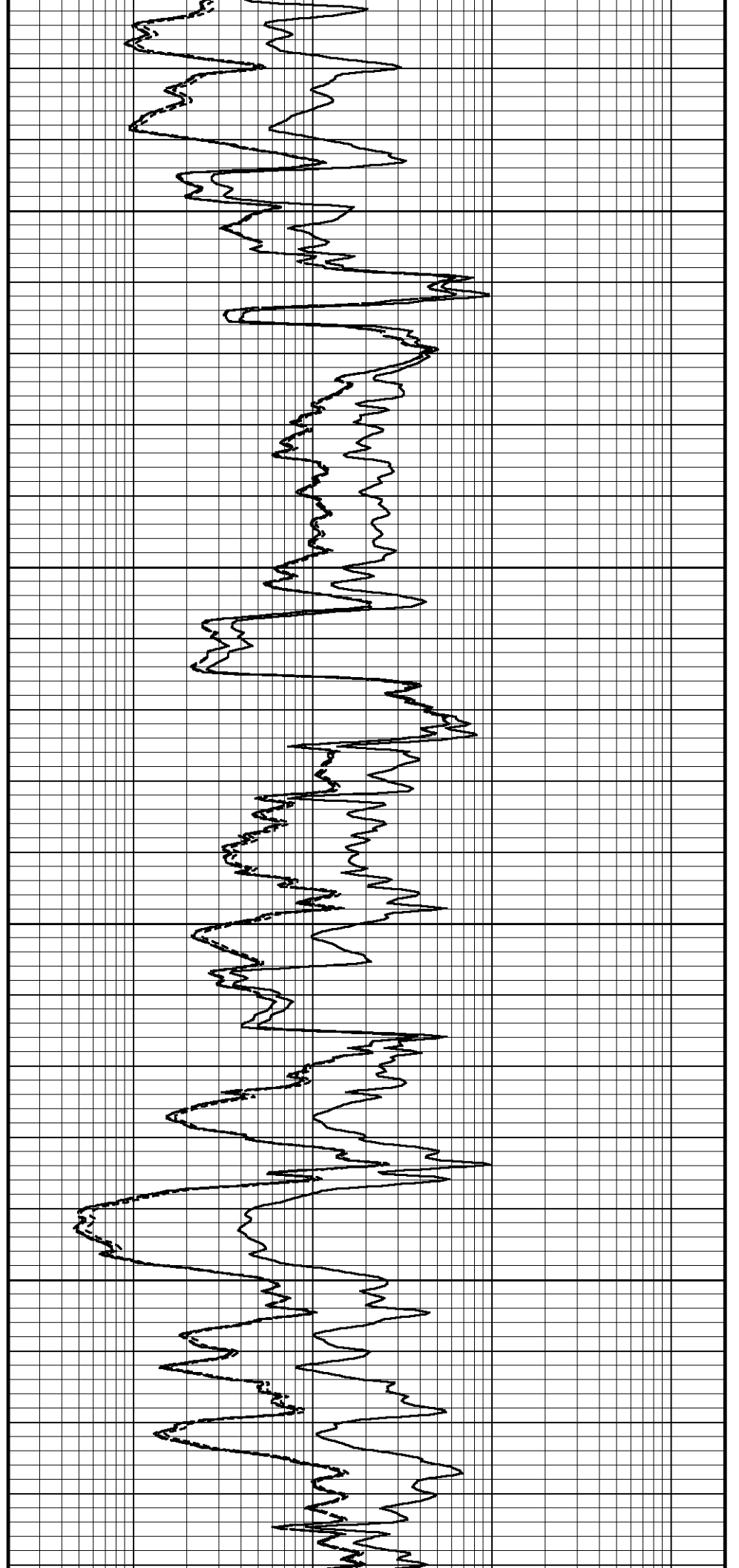
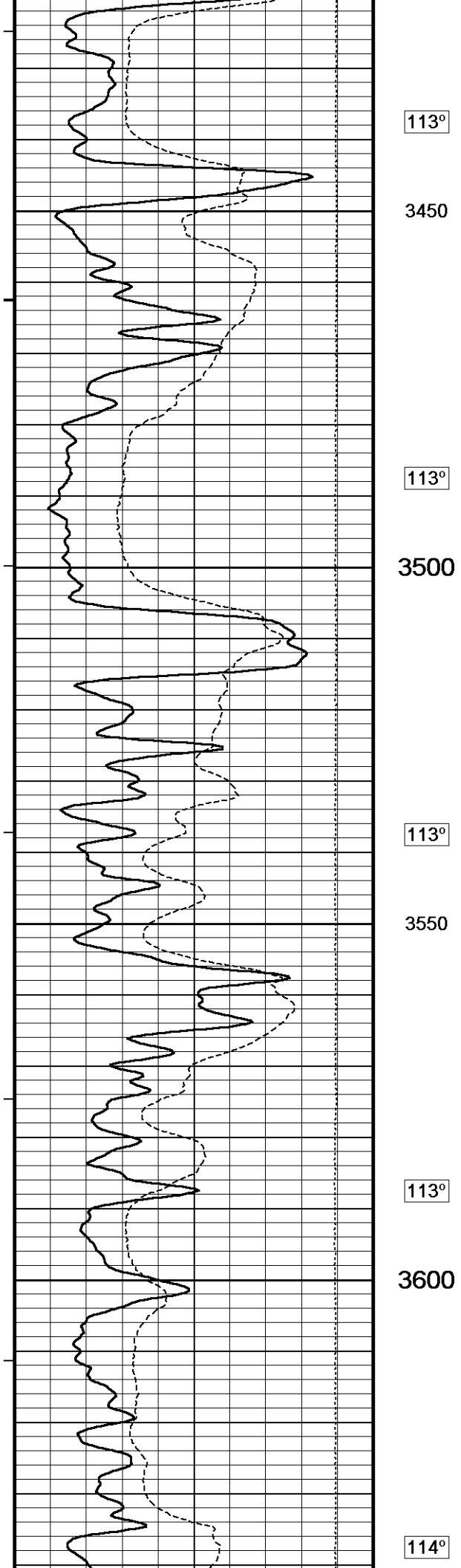


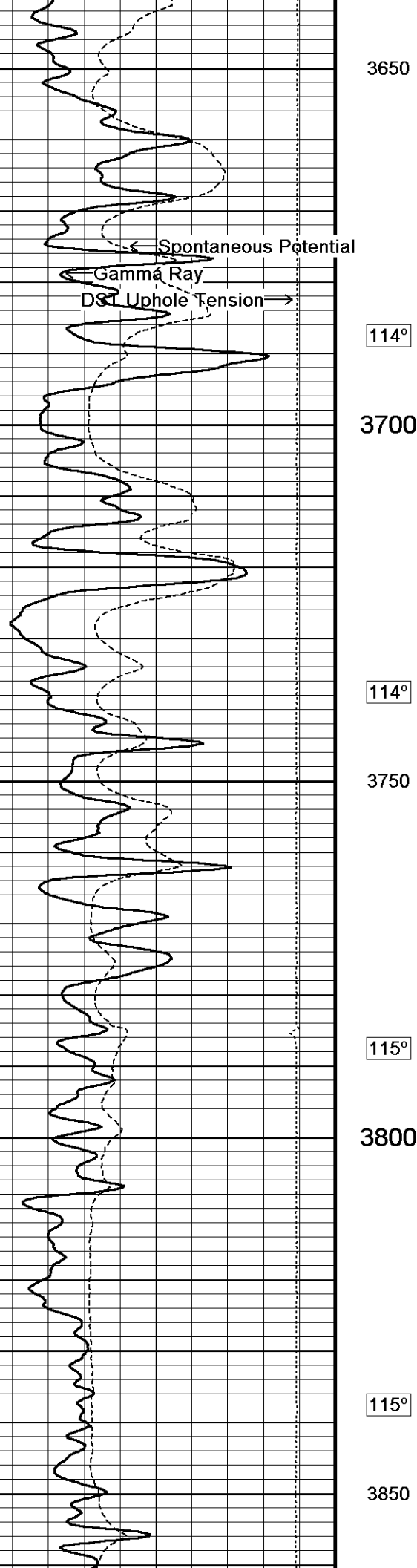


3200
111°
3250
111°
3300
112°
3350
112°
3400



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





3650

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

← Spontaneous Potential

Gamma Ray

DST Uphole Tension →

114°

3700

114°

3750

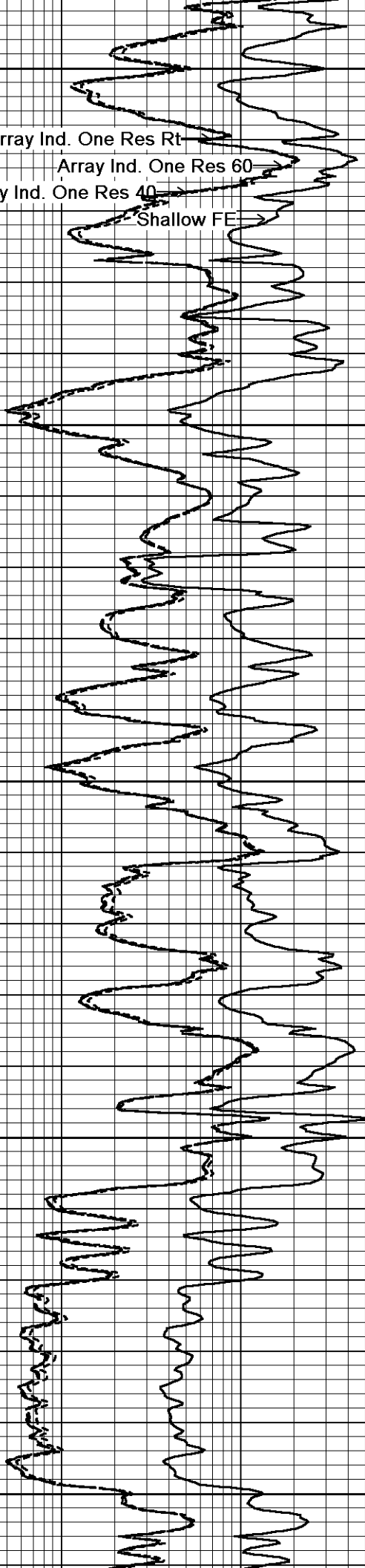
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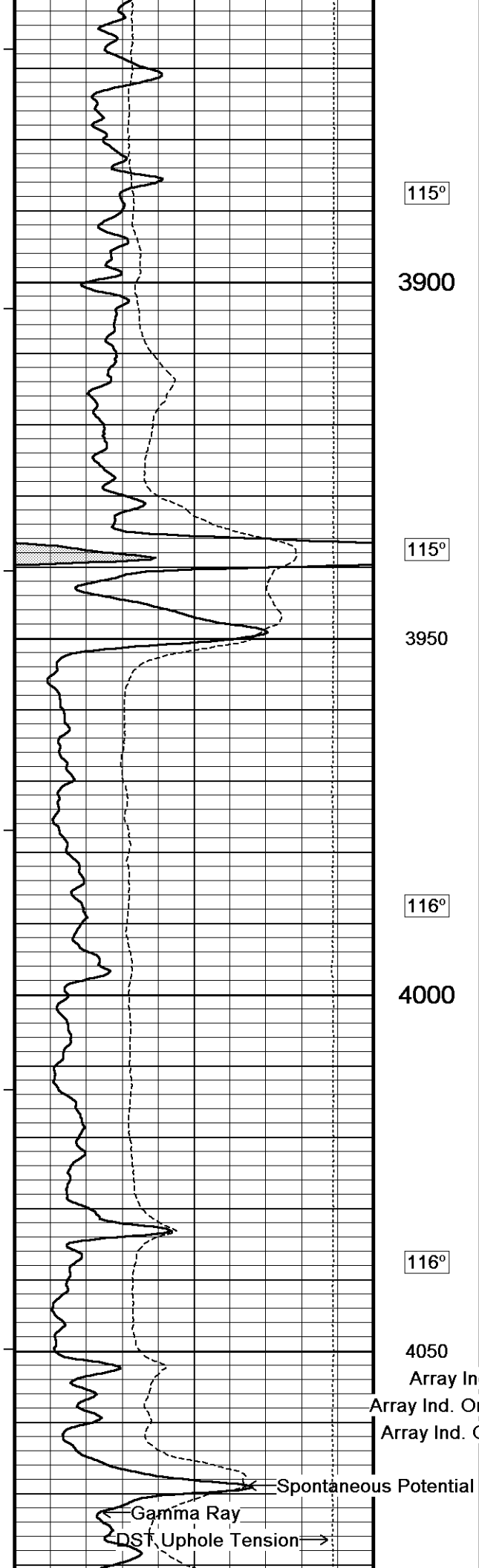
3800

115°

3850

← Shallow FE →





115°

3900

115°

3950

116°

4000

116°

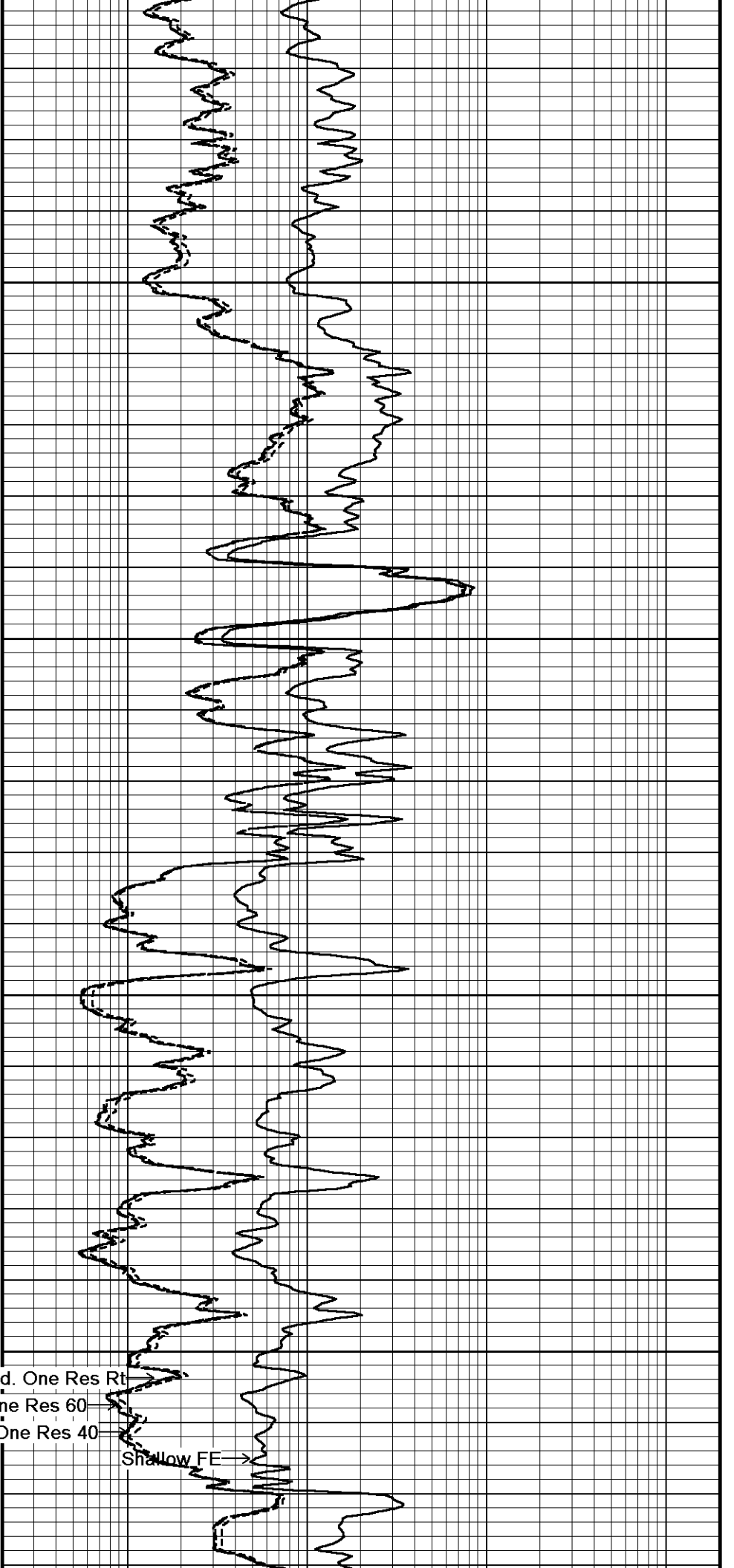
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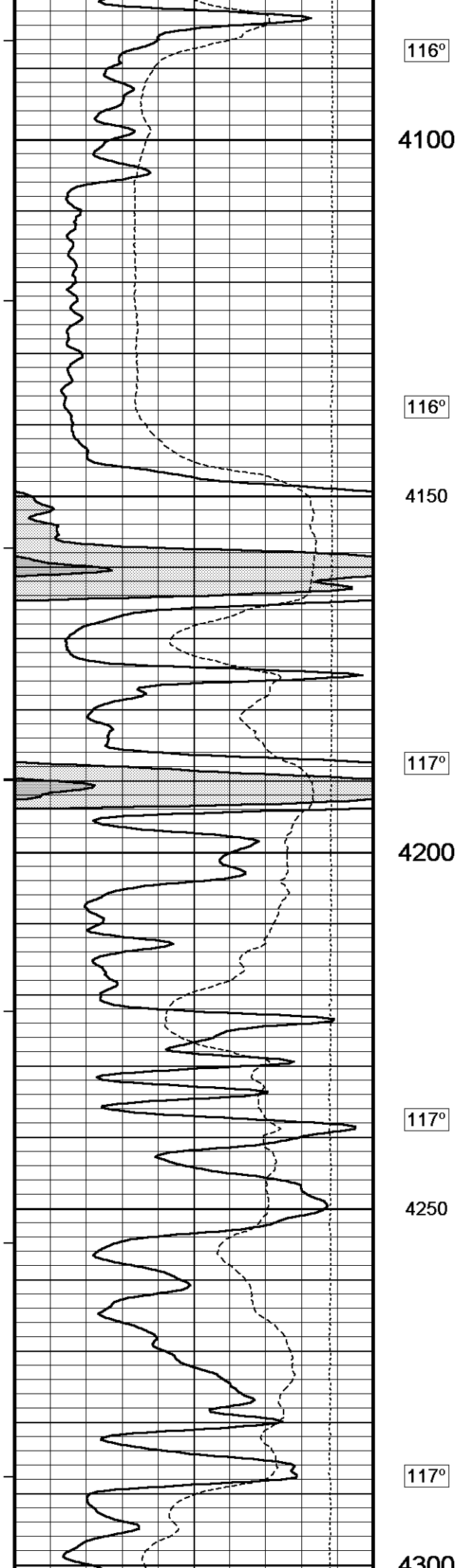
Array Ind. One Res Rt

Array Ind. One Res 60

Array Ind. One Res 40

Shallow FE





116°

4100

116°

4150

117°

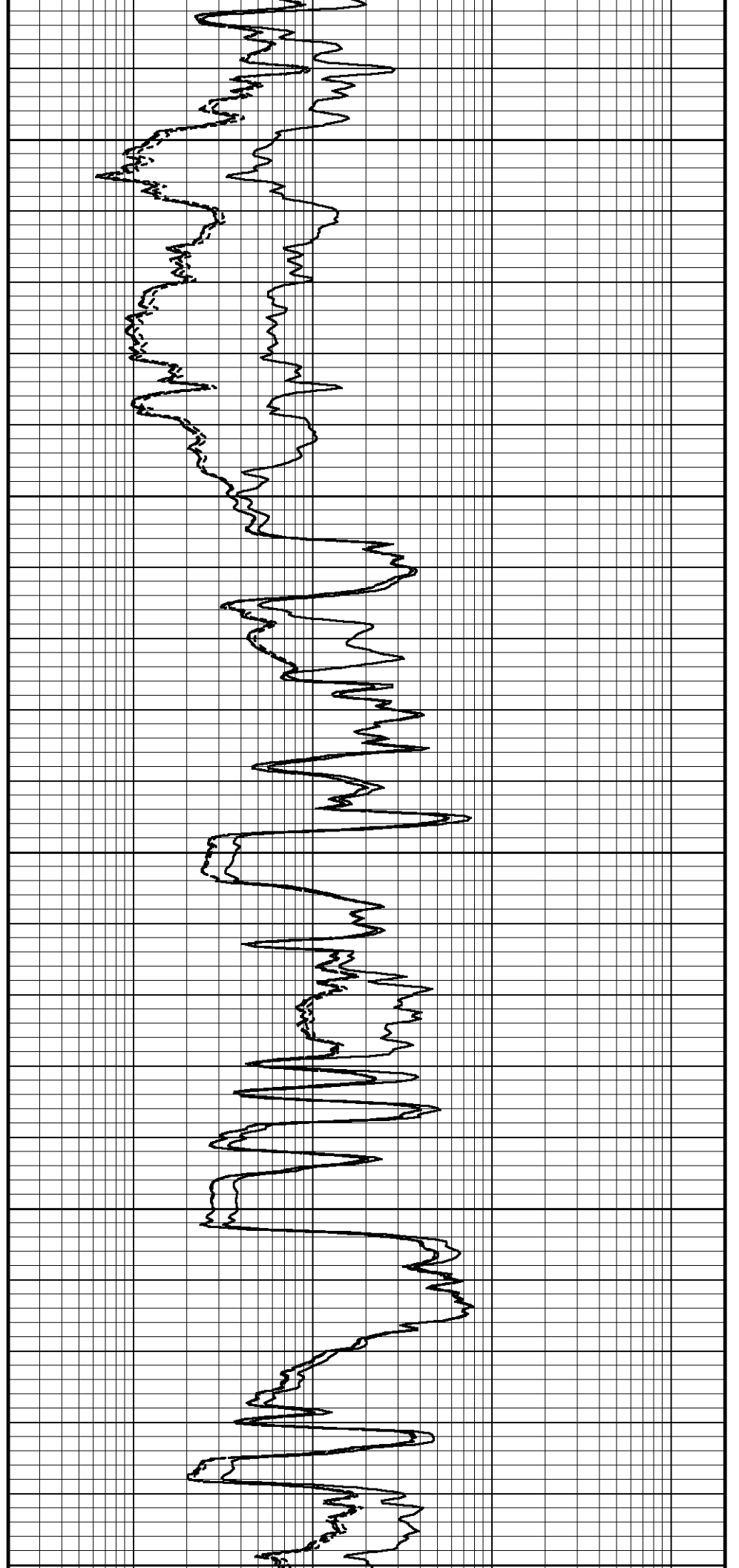
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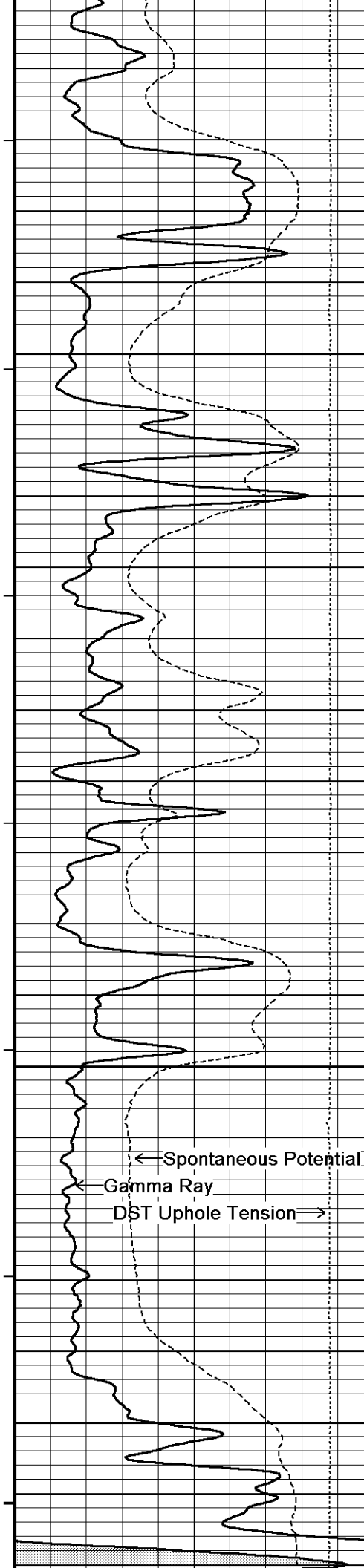
117°

4250

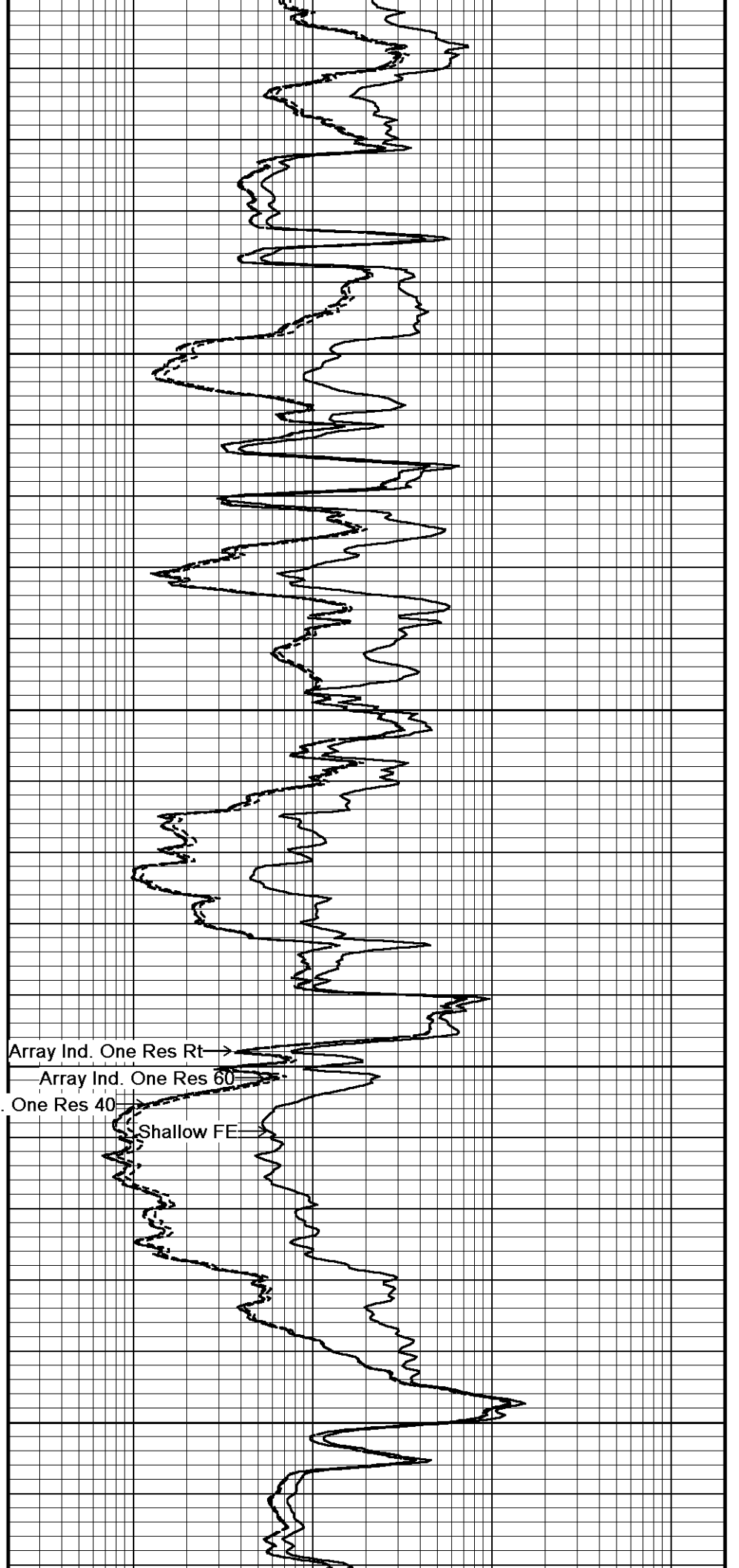
117°

4300



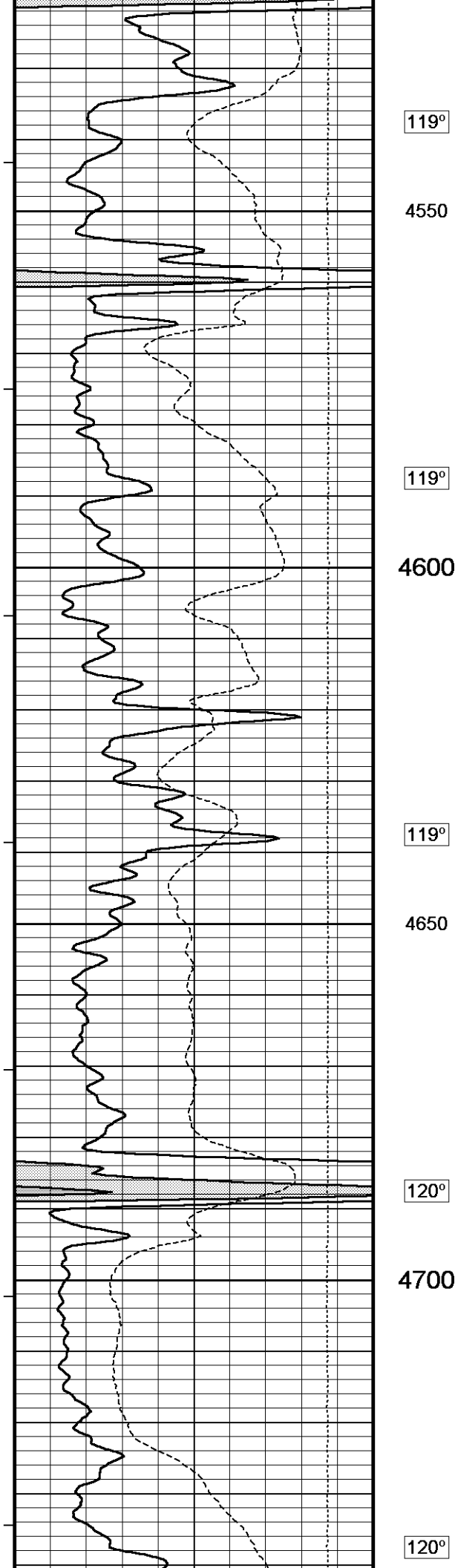


4500
118°
4350
118°
4400
118°
4450
118°
4500



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

← Spontaneous Potential
← Gamma Ray
DST Uphole Tension →



119°

4550

119°

4600

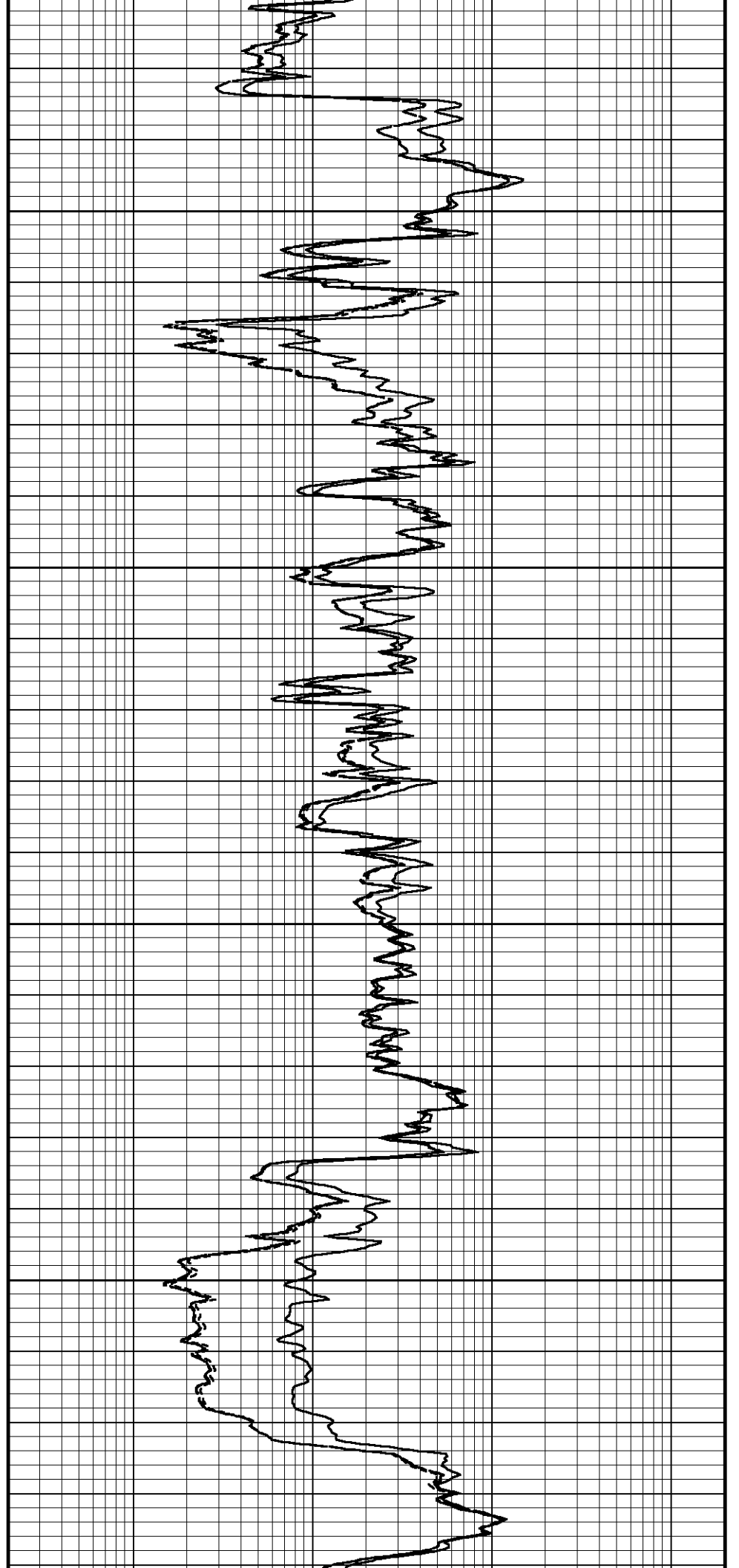
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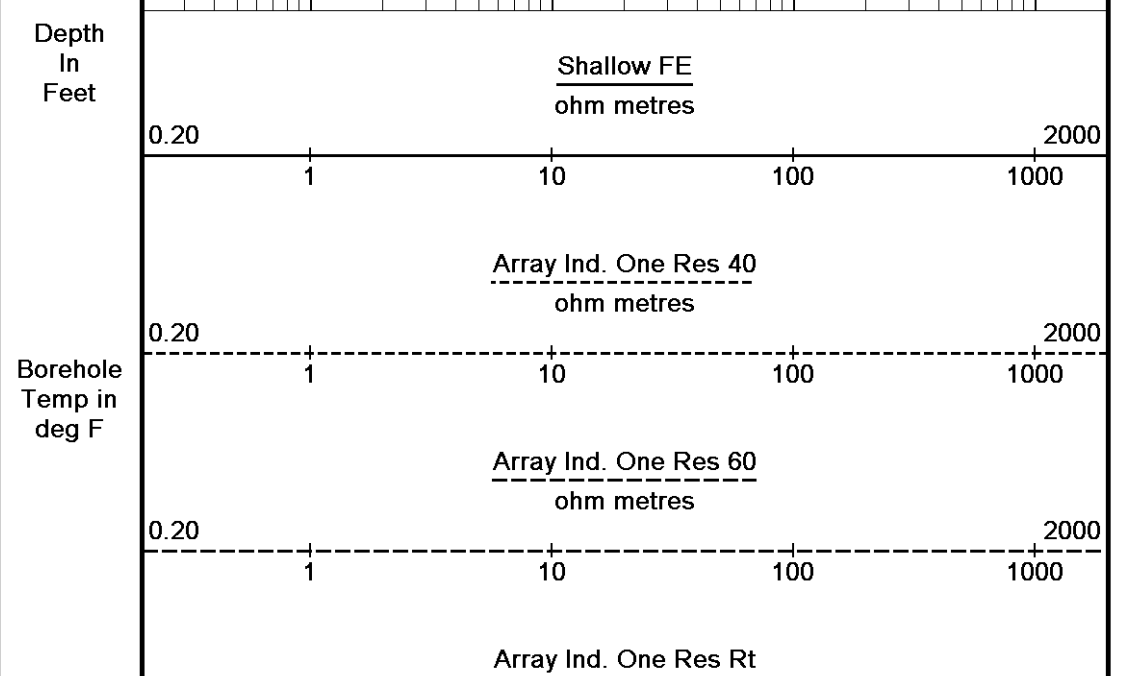
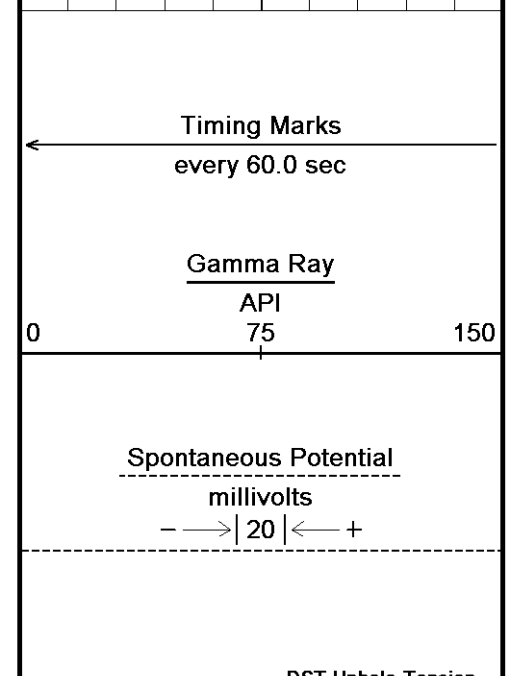
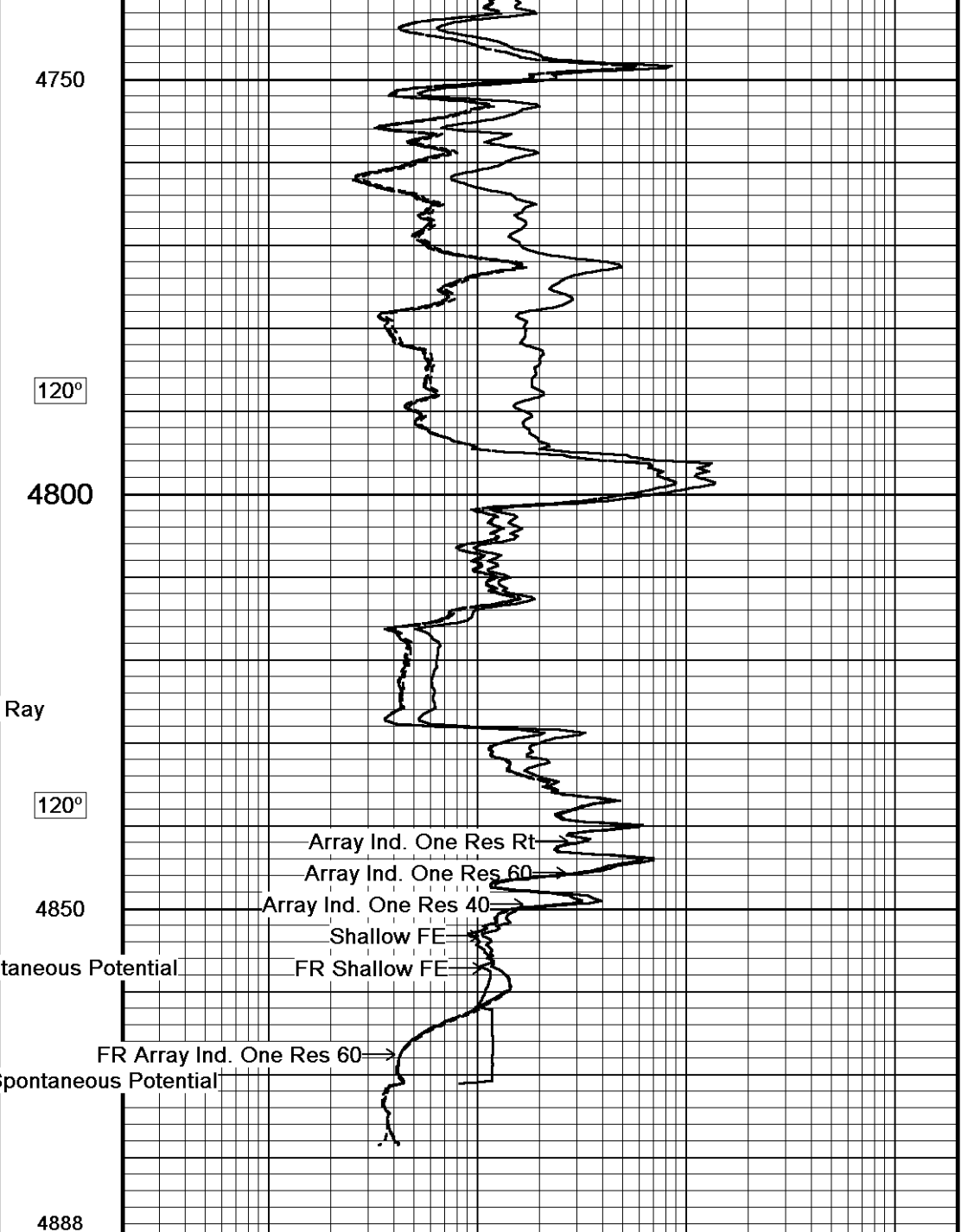
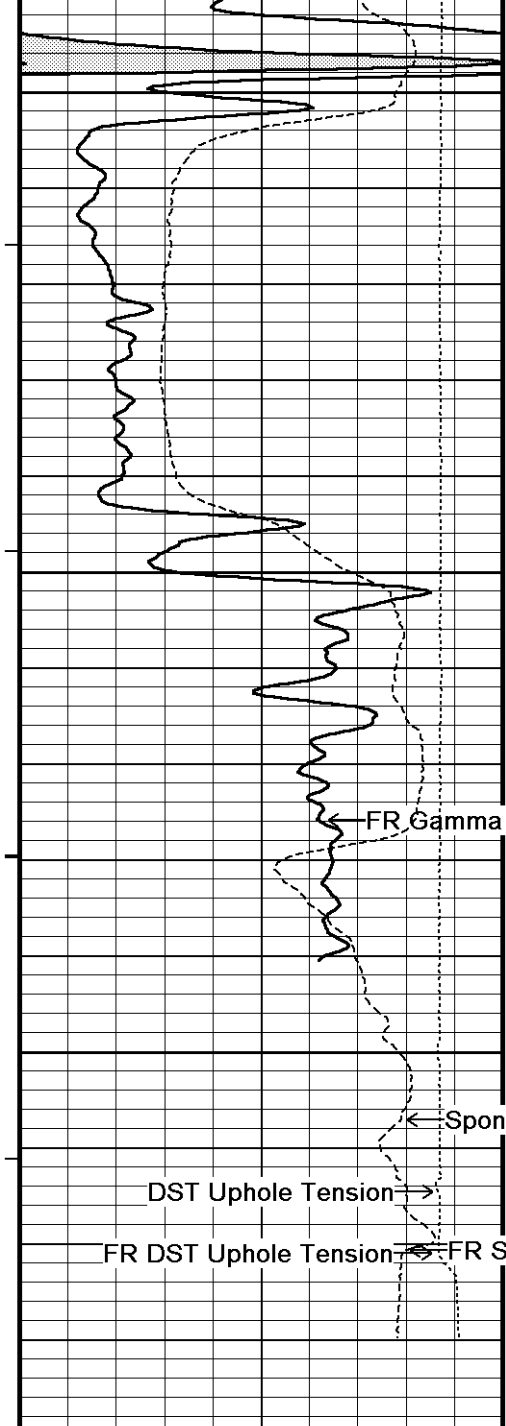
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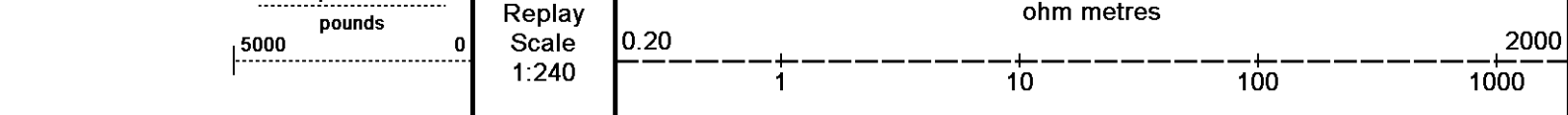
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4700

120°





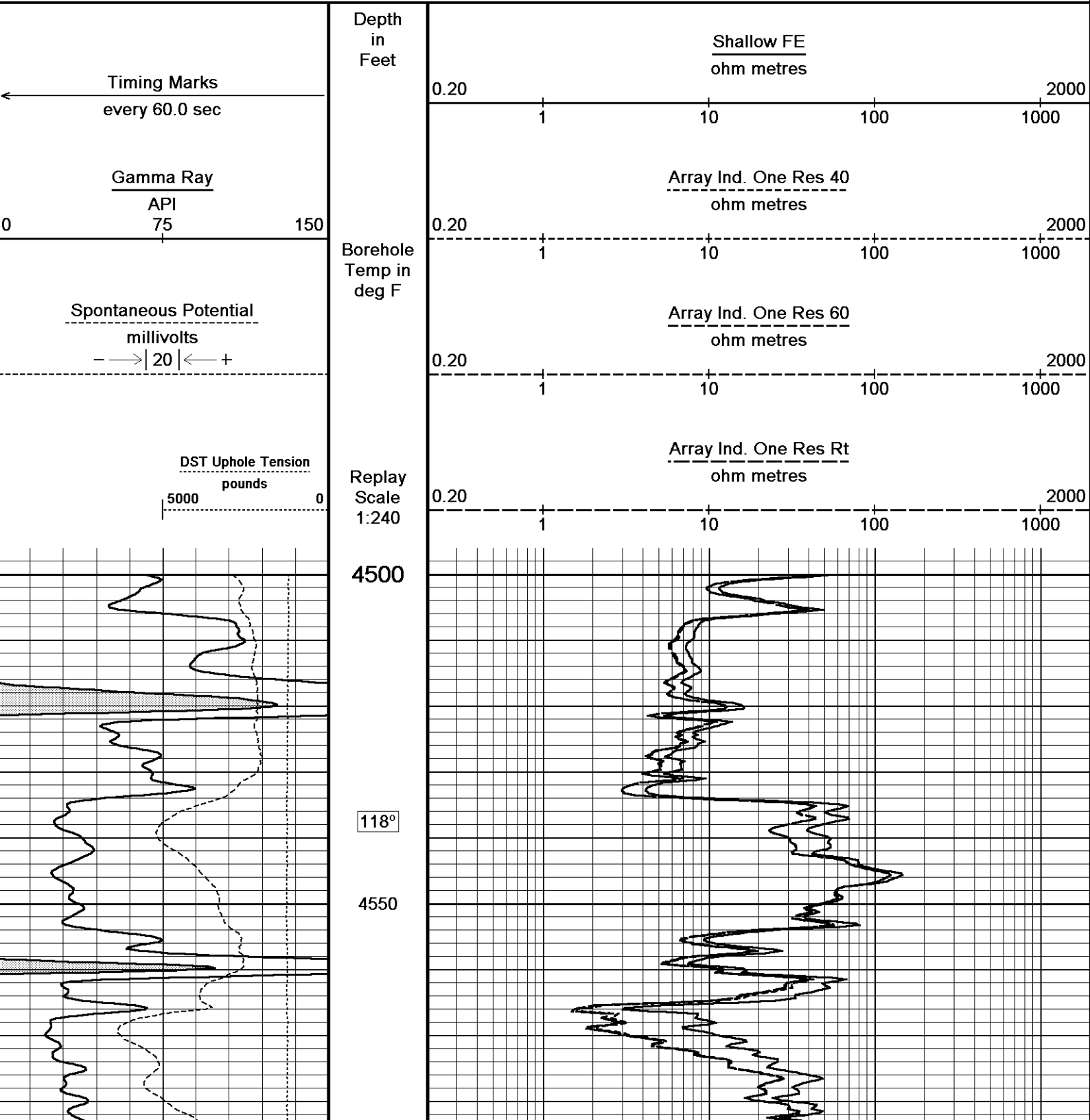


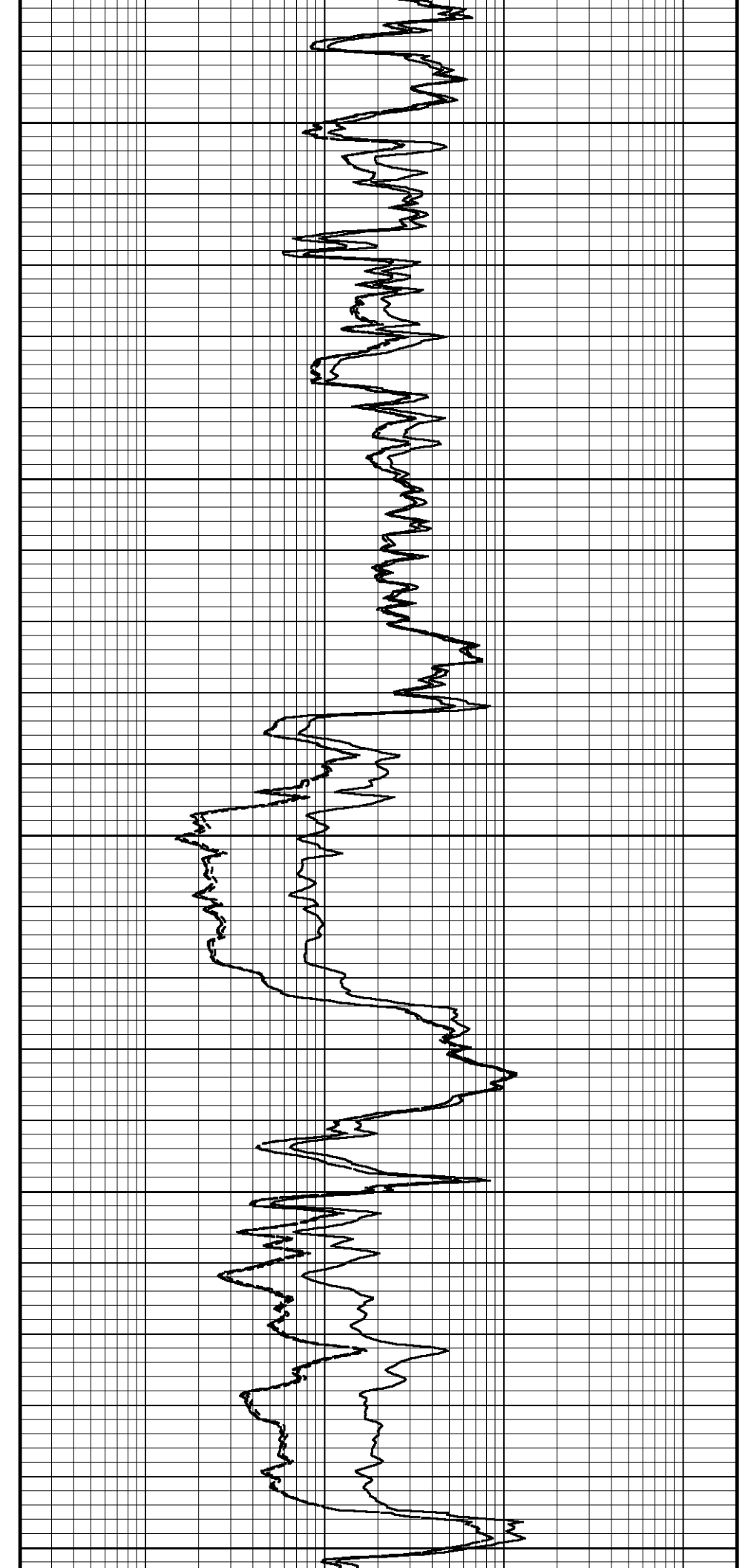
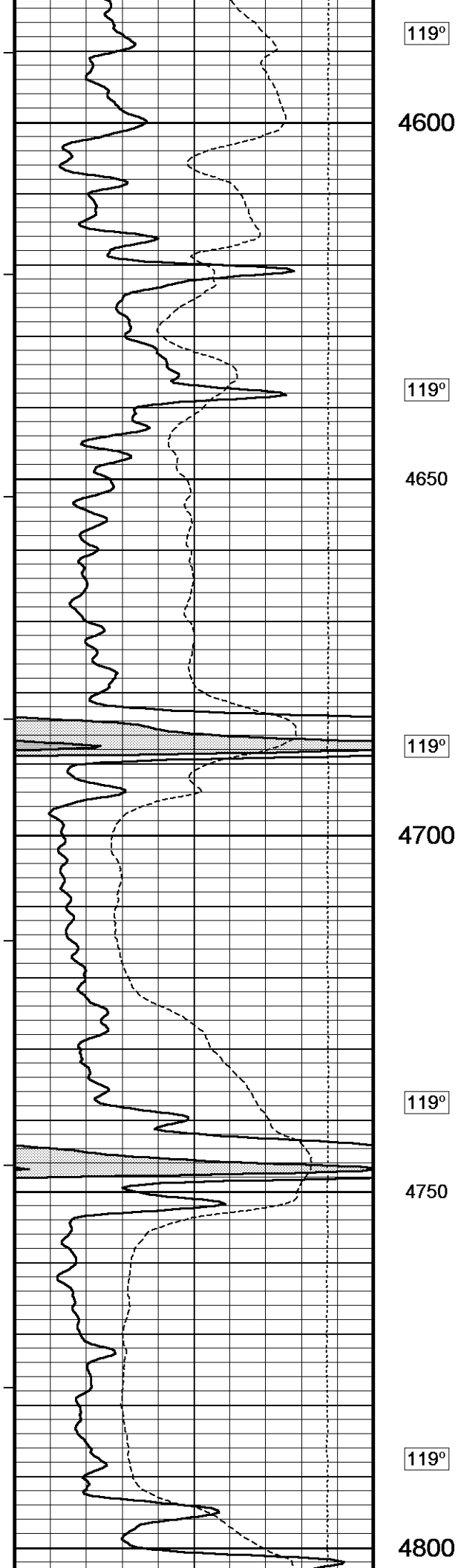
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 Recorded on 19-JUL-2011 16:41
 System Versions: Logged with 11.03.2789 Processed with 11.03.2789 Plotted with 12.01.3513

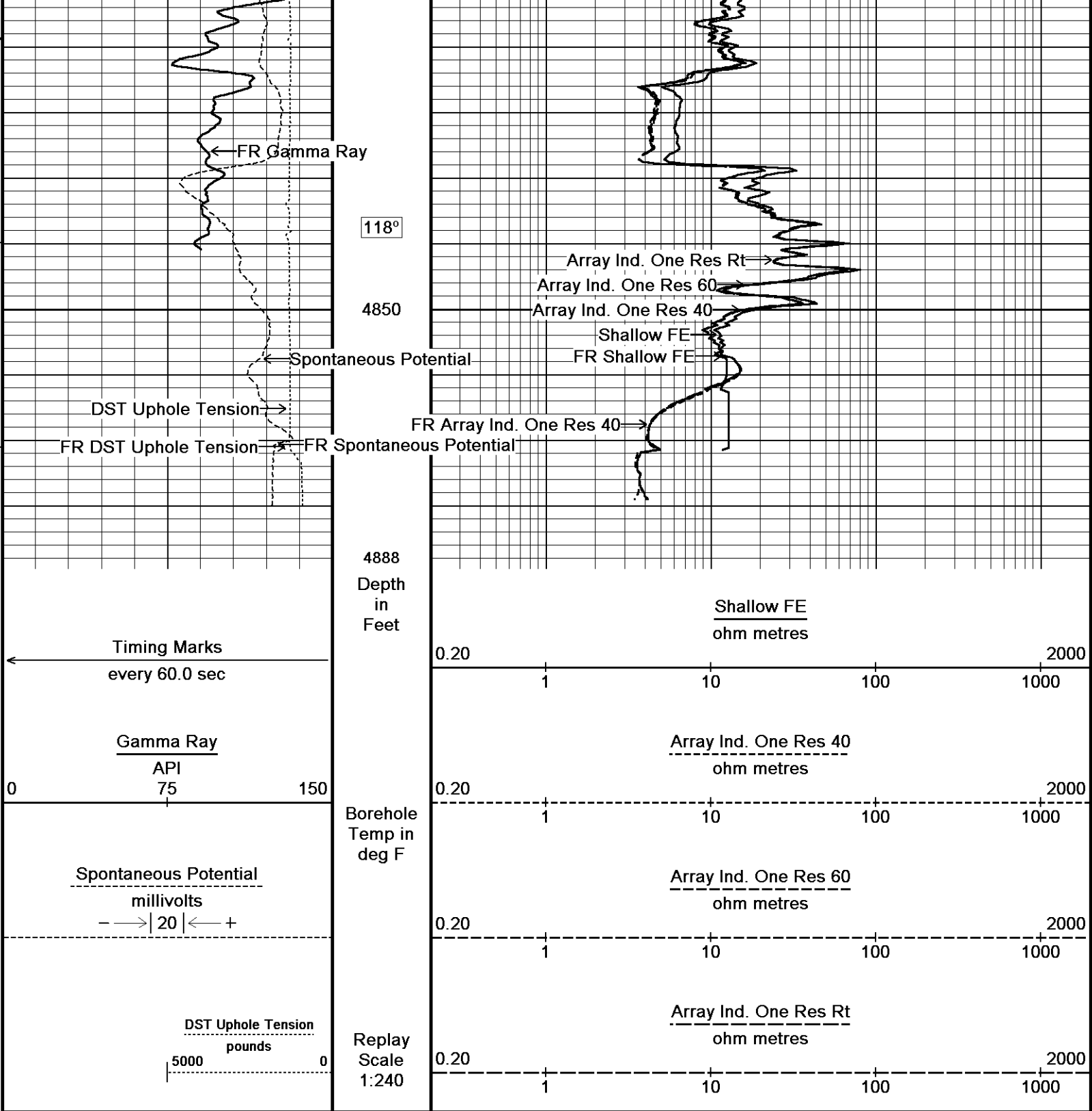
↑ **5 INCH MAIN** ↑

↓ **REPEAT SECTION** ↓

Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 20-JUL-2011 08:47
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 System Versions: Logged with 11.03.2789 Processed with 11.03.2789 Plotted with 12.01.3513







Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 20-JUL-2011 08:47
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 Recorded on 19-JUL-2011 15:50
 System Versions: Logged with 11.03.2789 Processed with 11.03.2789 Plotted with 12.01.3513

↑ REPEAT SECTION ↑

BEFORE SURVEY CALIBRATION
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General Constants All 000 Last Edited on 19-JUL-2011 16:36

General Parameters		
Mud Resistivity	1.140	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 Base Density Porosity
Resistivity used Array Ind. One Res Rt
RWA Constant A 0.610
RWA Constant M 2.150

Down-hole Tension Calibration All 000

Field Calibration on 30-JUN-2010 01:00

Reading No	Measured	Calibrated (lbs)
1	14112.01	10.00
2	15164.79	427.00

Down-hole Tension Calibration SMS 0

Field Calibration on 30-JUN-2010 01:00

Reading No	Measured	Calibrated (lbs)
1	14112.01	10.00
2	15164.79	427.00

High Resolution Temperature Calibration MCG-C 139

Field Calibration on 19-JUL-2011 09:50

	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 19-JUL-2011 09:49

	Measured	Calibrated (mV)
Reference 1	103.5	100.0
Reference 2	-96.9	-100.0

Gamma Calibration MCG-C 139

Field Calibration on 19-JUL-2011 09:49

	Measured	Calibrated (API)
Background	67	45
Calibrator (Gross)	1143	770
Calibrator (Net)	1076	725

Gamma Constants MCG-C 139

Last Edited on 19-JUL-2011 16:35

Gamma Calibrator Number grc38
Mud Density 1.14 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 30-JUN-2011 17:33

Field Check on 19-JUL-2011 09:50

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-A 16

Last Edited on 16-JUL-2011 15:39

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 30-JUN-2011 17:22
Field Calibration on 19-JUL-2011 09:50

Base Calibration		
Reading No	Measured	Calibrator Size (in)
1	14119	5.98
2	17415	7.97
3	20689	9.86
4	24692	11.92
5	0	0.00
6	N/A	N/A

Field Calibration		
	Measured Caliper (in)	Actual Caliper (in)
	5.94	5.96

Neutron Calibration MDN-A.B 66 Base Calibration on 30-JUN-2011 18:46
Field Check on 19-JUL-2011 09:50

Base Calibration					
	Measured		Calibrated (cps)		Ratio
	Near	Far	Near	Far	
	3227	102	3714	110	
	31.653		33.764		

Field Calibrator at Base		
	Calibrated (cps)	
	1604	2288
Ratio	0.701	

Field Check		
	Calibrated (cps)	
	1595	2263
Ratio	0.705	

Neutron Constants MDN-A.B 66 Last Edited on 16-JUL-2011 15:39

Neutron Source Id	P58125B		
Neutron Jig Number	5824NE		
Epithermal Neutron	No		
Caliper Source for Processing	Density Caliper		
Stand-off	0.00	inches	
Mud Density	1.00	gm/cc	
Limestone Sigma	7.10	cu	
Sandstone Sigma	4.26	cu	
Dolomite Sigma	4.70	cu	
Formation Pressure Source	Constant Value		
Formation Pressure	0.00	kpsi	
Temperature Source	MCG External Temperature		
Temperature	20.00	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 30-JUN-2011 16:35
Field Check on 19-JUL-2011 09:51

Base Calibration		
	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	964.4	126.8
Base Check		279.9
Field Check		280.1

FE Constants MFE-A.A 52 Last Edited on 16-JUL-2011 16:54

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 0.5 inches
Stand-off

High Resolution Temperature Calibration MAI-A.A 167

Field Calibration on 19-JUL-2011 09:51

	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 19-JUL-2011 09:51

Base Calibration

Test Loop Calibration

Channel	Measured		Calibrated (mmho/m)	
	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	0.0	0.0	14.1	3836.5
2	0.0	0.0	29.8	3472.9
3	0.0	0.0	29.2	3049.0
4	0.0	0.0	19.7	2078.8
Deep	0.0	0.0	18.6	2046.1
Medium	0.0	0.0	42.2	3985.7
Shallow	0.0	0.0	43.4	5048.5

Array Temperature 0.0 90.6 Deg F

Induction Constants MAI-A.A 167

Last Edited on 19-JUL-2011 16:33

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 Su 0.05 ohm m

DOWNHOLE EQUIPMENT

C:\DOCUME~1\scheffj\LOCALS~1\Temp\Weatherford PreView\0\SCHMIDT-D-#4-29_CSGCHCK.dta

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

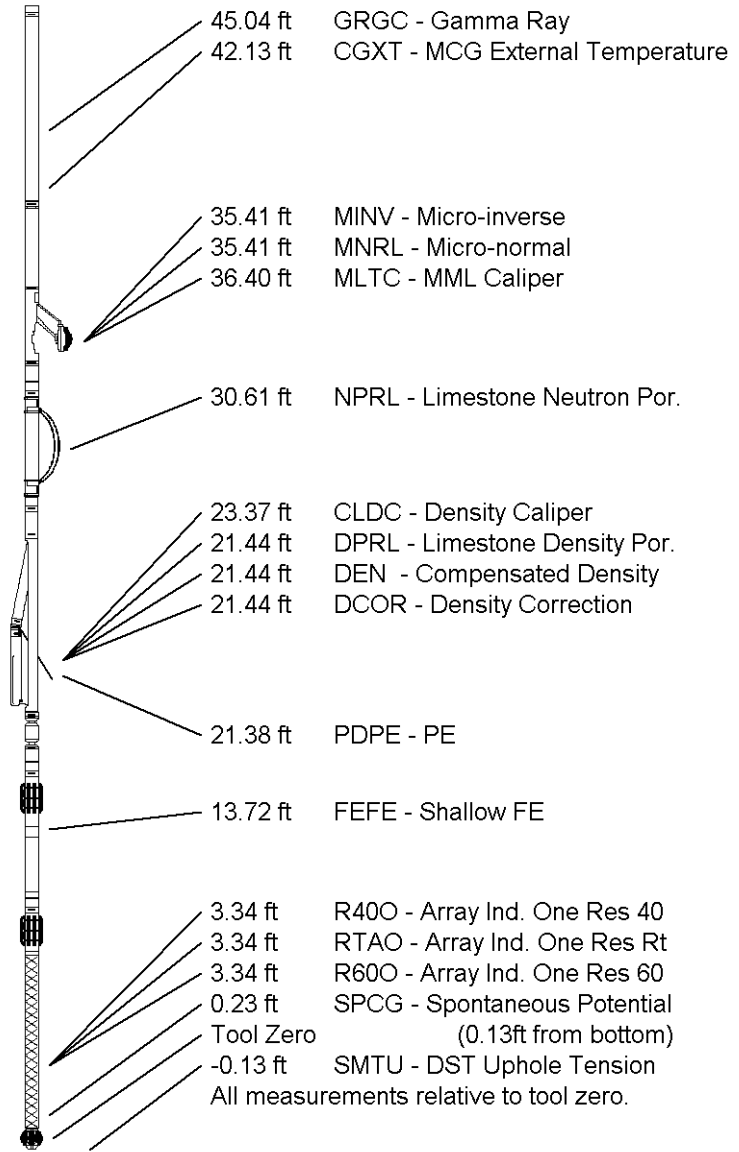
Compact Density/Caliper
MPD-B 35 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

SKJ-D.A Compact Knuckle Joint
SKJ-D.A 36 LG: 2.17 ft WT: 24.3 lb OD: 2.24 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: 50.32 ft Weight: 407.9 lb

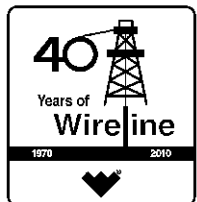


COMPANY MCCOY PETROLEUM
WELL SCHMIDT -D- #4-29
FIELD LETTE SE
PROVINCE/COUNTY HASKELL
COUNTRY/STATE U.S.A. / KANSAS

Elevation Kelly Bushing	2855.00	feet	First Reading	4868.00	feet
Elevation Drill Floor	2854.00	feet	Depth Driller	4870.00	feet
Elevation Ground Level	2842.00	feet	Depth Logger	4871.00	feet



**ARRAY INDUCTION
SHALLOW FOCUSSED
ELECTRIC LOG**



Weatherford logo and technical data fields including: COMPANY, WELL, FIELD, PROVINCE/COUNTY, COUNTRY/STATE, LOCATION, SEC, TMA, RPT Number, Permit Number, Formatted Date, Log Measured From, Logging Measure, Date, Run Number, Depth Driller, Depth Logger, First Reading, Last Reading, Casing Driller, Casing Logger, Bit Size, Hole Fluid Type, Density/Viscos, PH / Fluid Loss, Sample Source, Rm @ Measure, Rm @ Measure, Rm @ Measure, Rm @ Measure, Time since Circ, Max Recorded Temp, Equipment Name, Equipment Lead, Returned by, Witnessed by, CO #/JOB #.

Weatherford

**ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG**

MCCOY PETROLEUM
SCHMIDT -D- #4-29
LETTE SE
HASKELL
U.S.A. / KANSAS
SW SE SE
330' FSL & 990' FEL



15-081-21982
Other Services
MPCOM/DN
MML

19-JUL-2011

19-JUL-2011

ONE

4870.00 feet
4871.00 feet
4668.00 feet
1874.00 feet
1874.00 feet
1873.00 feet
7.880 inches

CHEMICAL

9.15 in @ 93.0
10.50 in @ 93.0

FLOWLINE

1.23 @ 93.0 ohm-m
0.98 @ 93.0 ohm-m
1.47 @ 93.0 ohm-m

CALC

0.93 @ 122.0 ohm-m
4 HOURS deg F

COMPACT

13025

IN STRANGLUGH

TM PREST

3531138

15-081-21982
Other Services
MPCOM/DN
MML

19-JUL-2011

19-JUL-2011

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4870.00 feet
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COMPACT

13025

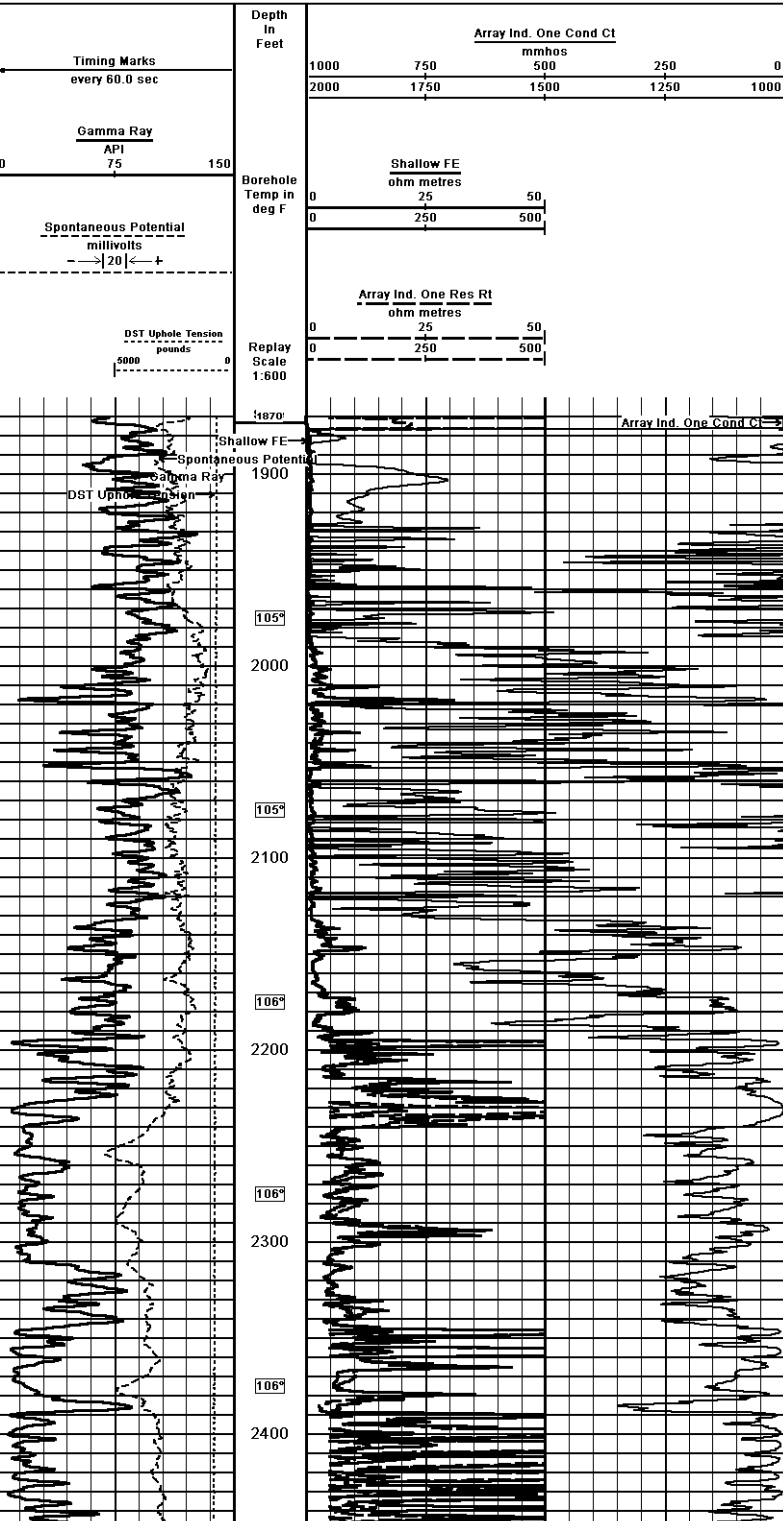
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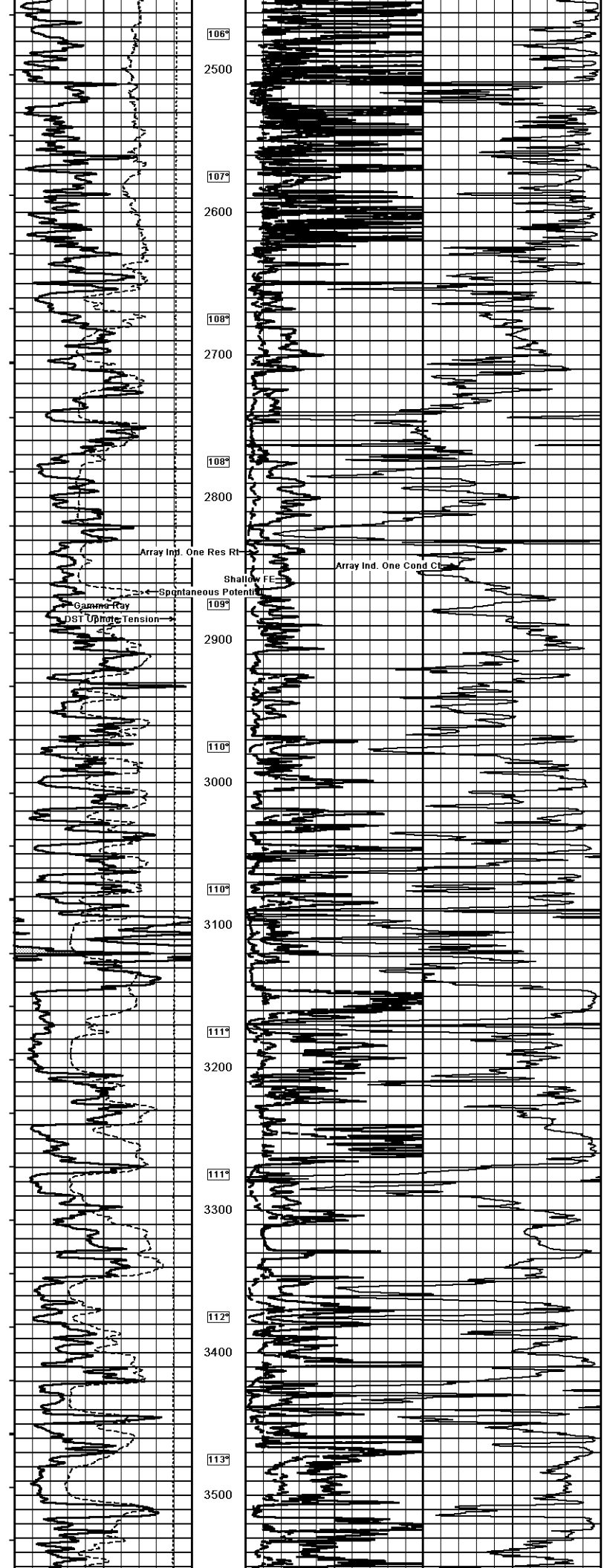
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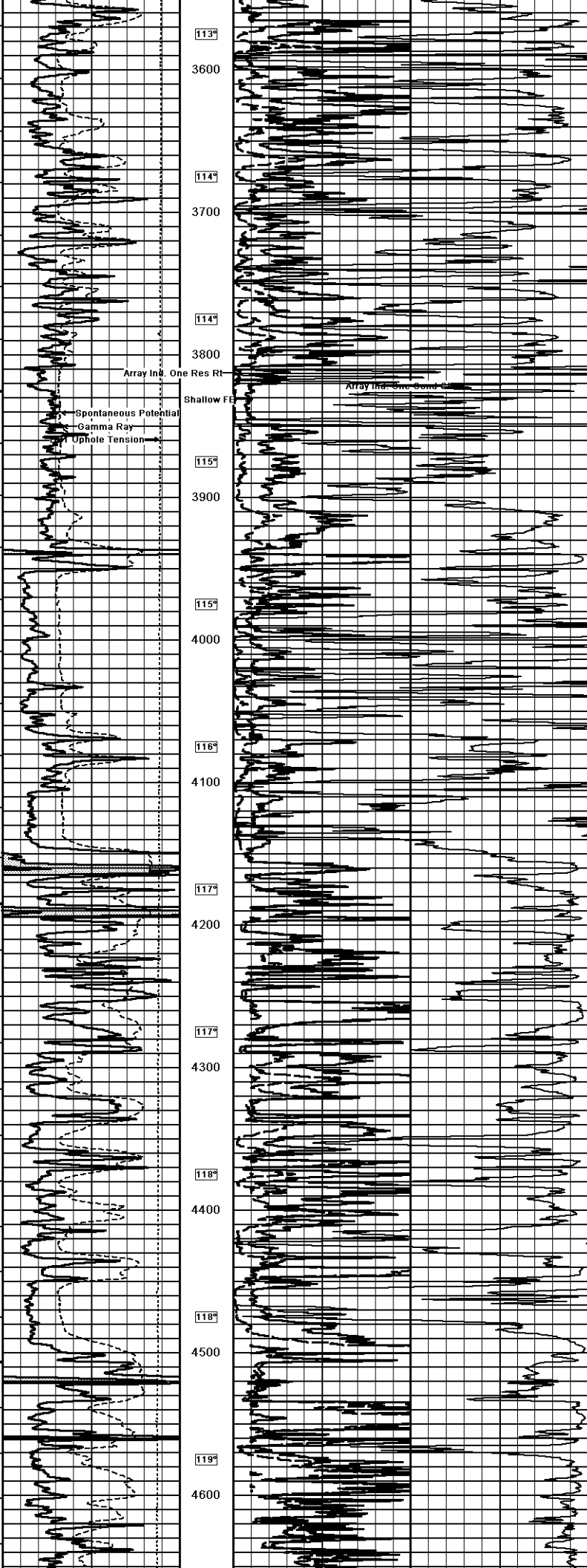
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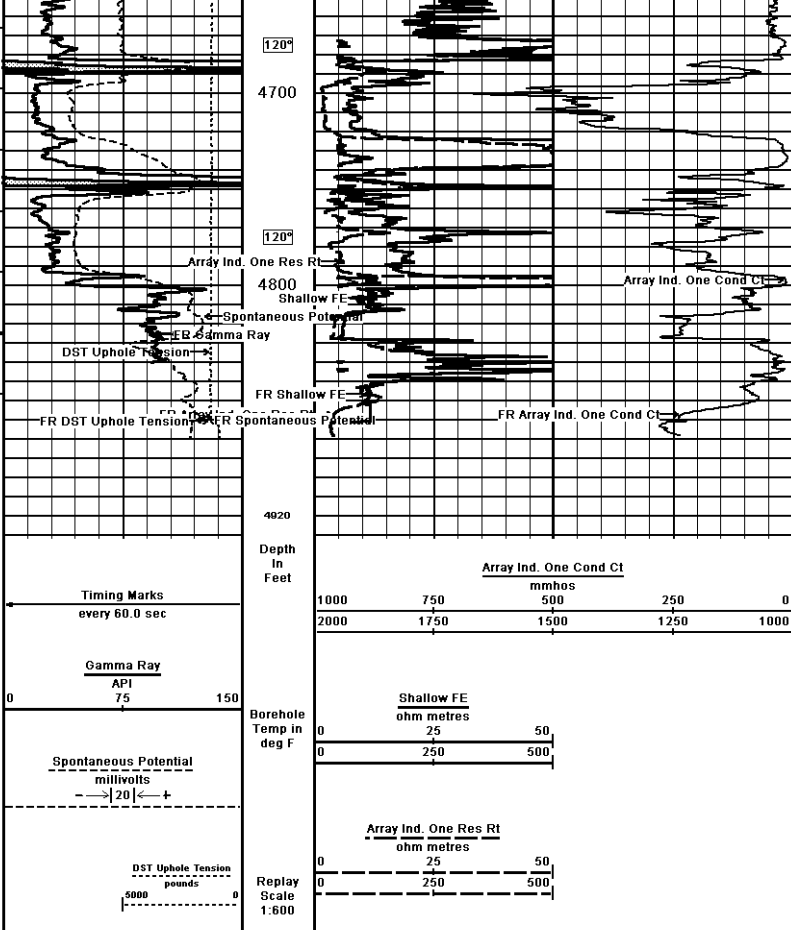
1 INCH MAIN

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Plotted on 20-JUL-2011 08:47
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Recorded on 19-JUL-2011 16:41
System Versions: Logged with 11.03.2789 Processed with 11.03.2789 Plotted with 12.01.3513









Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 20-JUL-2011 08:47
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 Recorded on 19-JUL-2011 16:41
 System Versions: Logged with 11.03.2789 Processed with 11.03.2789 Plotted with 12.01.3513

1 INCH MAIN

COMPANY	MCCOY PETROLEUM		
WELL	SCHMIDT -D- #4-29		
FIELD	LETTE SE		
PROVINCE/COUNTY	HASKELL		
COUNTRY/STATE	U.S.A. / KANSAS		
Elevation Kelly Bushing	2855.00 feet	First Reading	4868.00 feet
Elevation Drill Floor	2854.00 feet	Depth Driller	4870.00 feet
Elevation Ground Level	2842.00 feet	Depth Logger	4871.00 feet

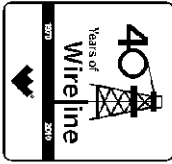
Weatherford ARRAY INDUCTION
 SHALLOW FOCUSED
 ELECTRIC LOG



Weatherford

COMPACT PHOTO DENSITY COMPENSATED NEUTRON MICRORESISTIVITY LOG

COMPANY MCCOY PETROLEUM
 WELL SCHMIDT -D- #4-29
 FIELD LETTE SE
 PROVINCE/COUNTY HASKELL
 COUNTRY/STATE U.S.A. / KANSAS
 LOCATION SW SE SE
 330' FSL & 990' FEL



SEC TWP RGE Other Services
 29 30S 31W MAI/MFE
 API Number 15-081-21952 MML
 Permit Number

Permanent Datum GL, Elevation 2842 feet
 Log Measured From K.B. @ 13 FEET above Permanent Datum
 Drilling Measured From K.B.

Elevations: KB 2855.00
 DF 2854.00
 GL 2842.00

Date	19-JUL-2011
Run Number	ONE
Depth Driller	4870.00 feet
Depth Logger	4871.00 feet
First Reading	4836.00 feet
Last Reading	3800.00 feet
Casing Driller	1874.00 feet
Casing Logger	1873.00 feet
Bit Size	7.880 inches
Hole Fluid Type	CHEMICAL
Density / Viscosity	9.15 lb/USg 50.00 CP
PH / Fluid Loss	10.50 8.40 ml/30Min
Sample Source	FLOWLINE
Rm @ Measured Temp	1.23 @ 93.0 ohm-m
Rmf @ Measured Temp	0.98 @ 93.0 ohm-m
Rmc @ Measured Temp	1.47 @ 93.0 ohm-m
Source Rmf / Rmc	CALC CALC
Rm @ BHT	0.93 @122.0 ohm-m
Time Since Circulation	4 HOURS
Max Recorded Temp	122.00 deg F
Equipment Name	COMPACT
Equipment / Base	13025 LIB
Recorded By	W. STAMBAUGH
Witnessed By	TIM PRIEST
S.O. #/JOB #	3531138 LB11-169

BOREHOLE RECORD Last Edited: 19-JUL-2011 16:22

Bit Size inches 7.880	Depth From feet 1873.00	Depth To feet 4871.00
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CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	1873.00	24.00

REMARKS

Tools Run: MAI, MPD, MCG, MDN, MFE, MML,
 Hardware: MPD: 8 inch profile plate used. MAI and MFE: 0.5 inch standoffs used. MDN: Dual Eccentralizer used.
 2.71 G/CC Limestone density matrix used to calculate porosity.
 Borehole rugosity, tight pulls, and washouts will affect data quality.
 All intervals logged and scaled per customer's request.
 Annular volume with 5.5 inch production casing 175 Cubic Feet
 Total hole volume to top of detail section 350 Cubic feet
 Service order #3531138
 Rig: STERLING RIG #5
 Engineer: W. Stambaugh
 Operator(s): J. LaPoint

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.

5 INCH MAIN

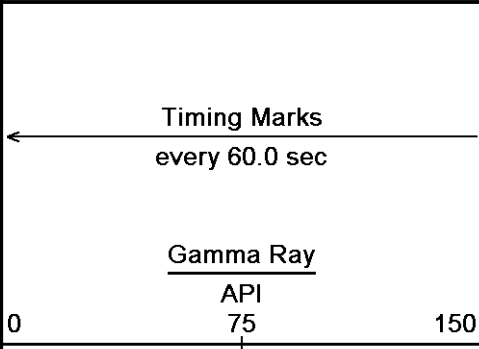
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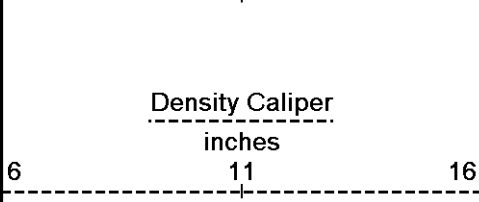
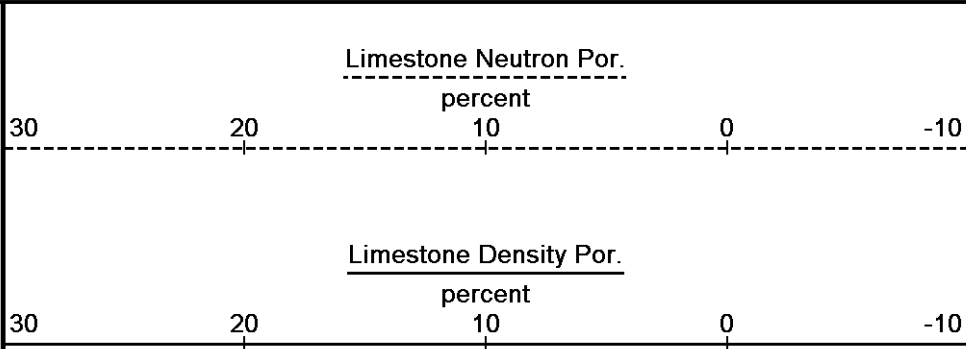
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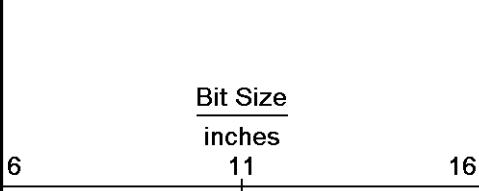
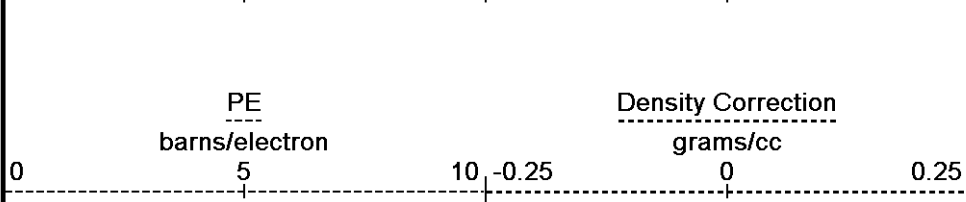


Depth In Feet

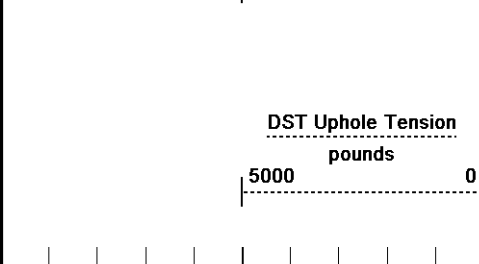
Borehole Temp in deg F



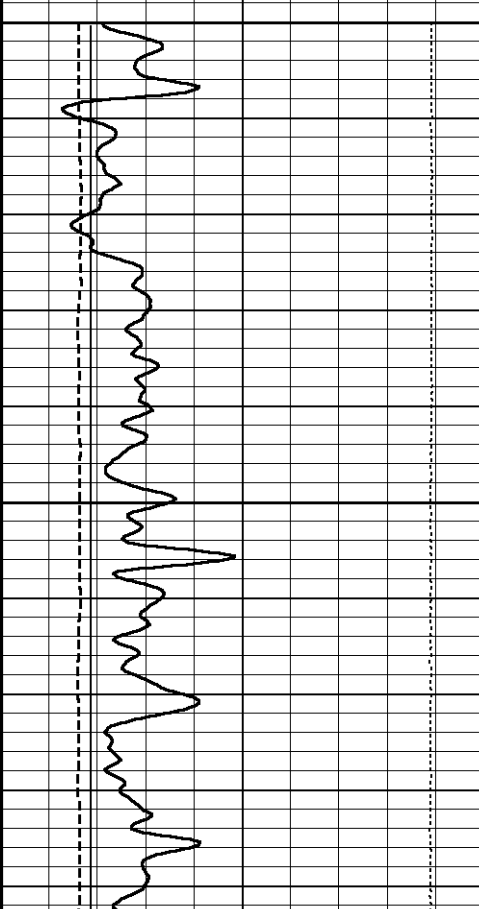
HVI every 10 cu ft



Annular Integral every 10 cu ft



Replay Scale 1:240

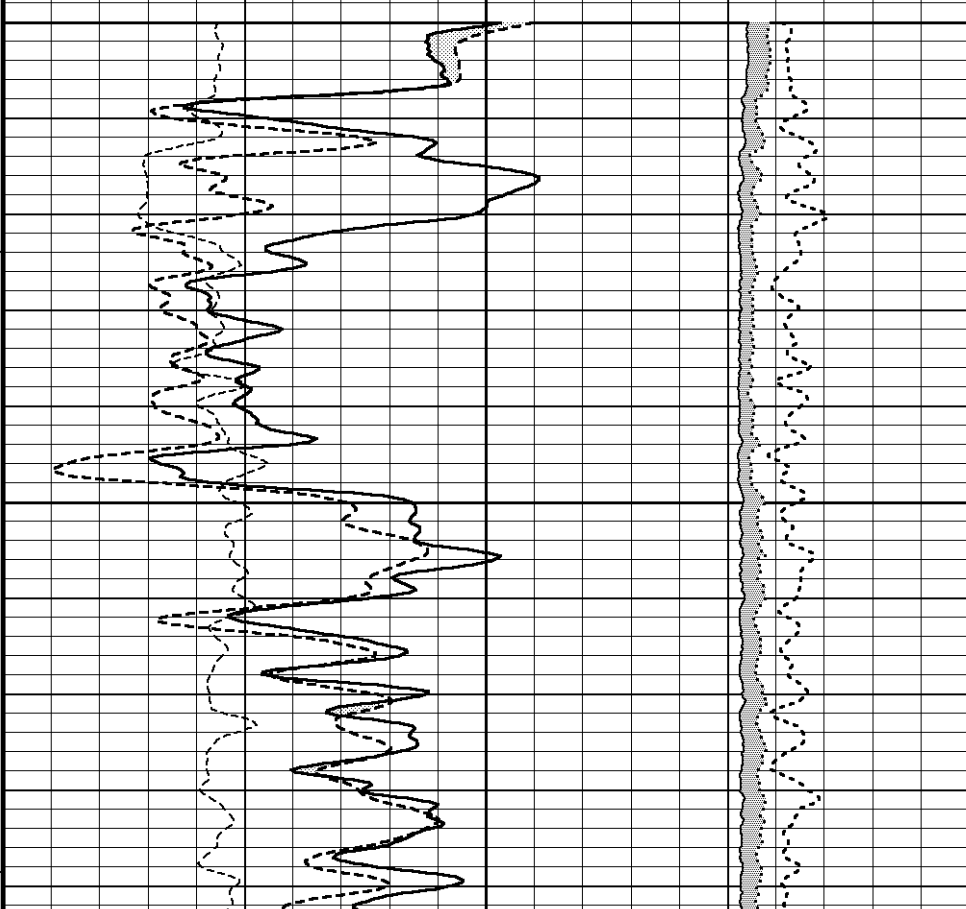


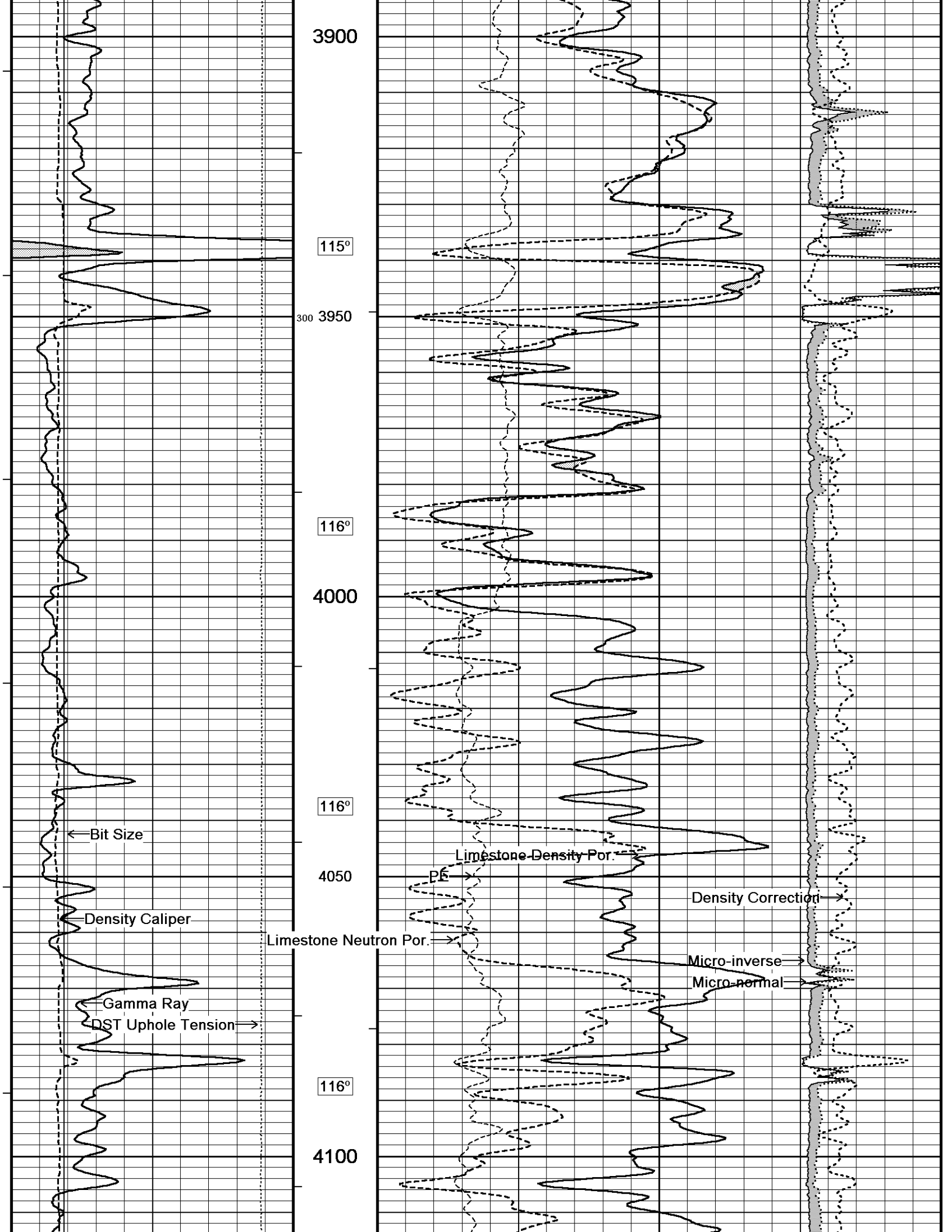
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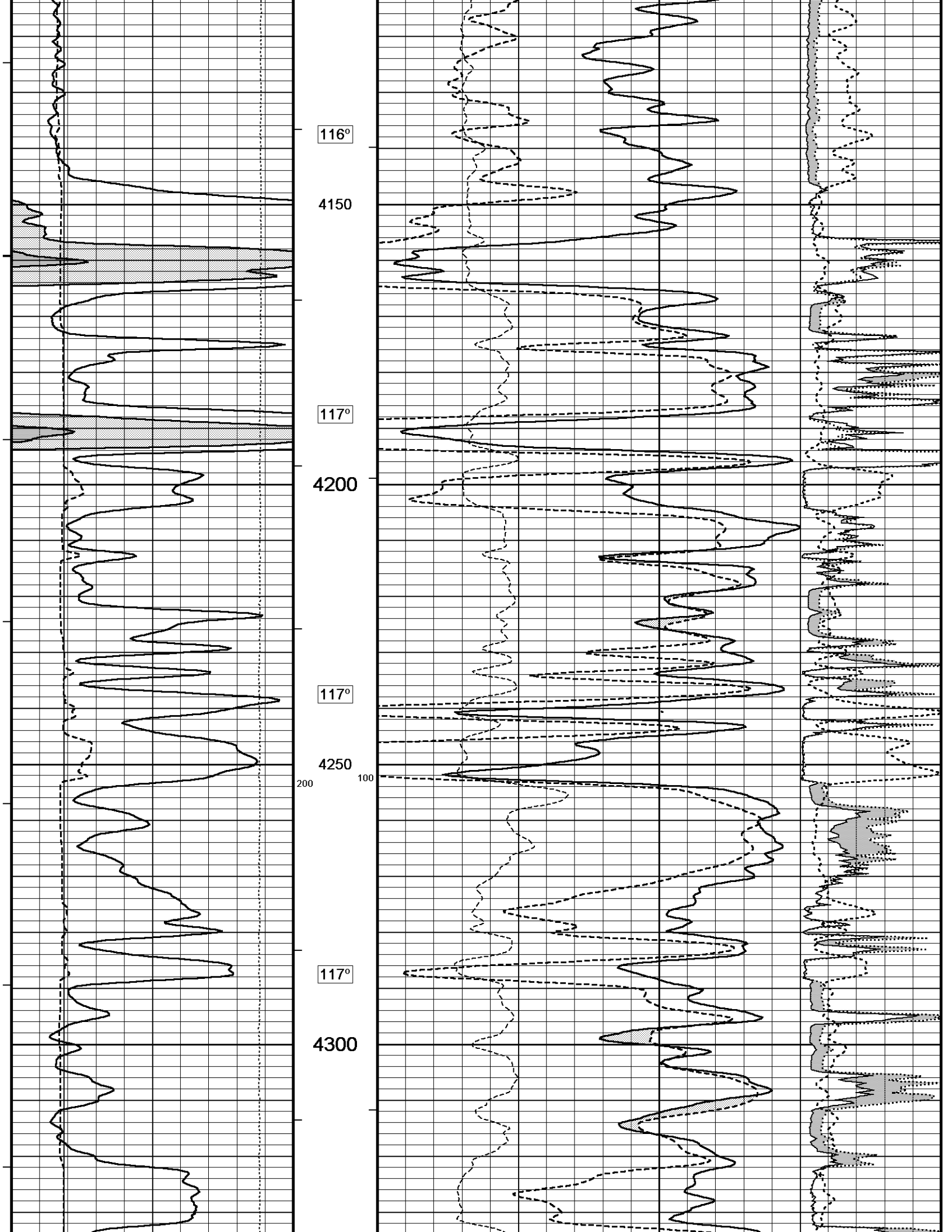
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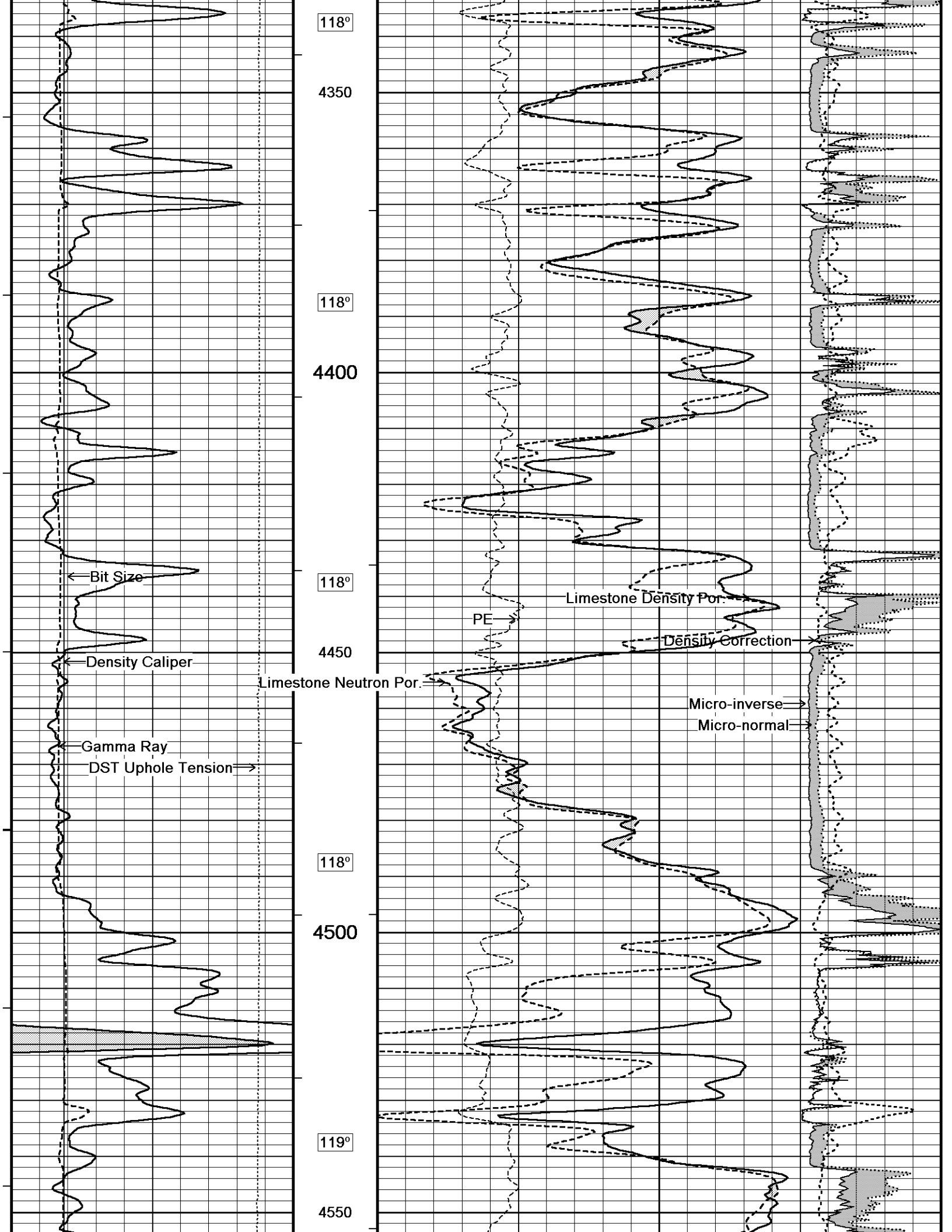
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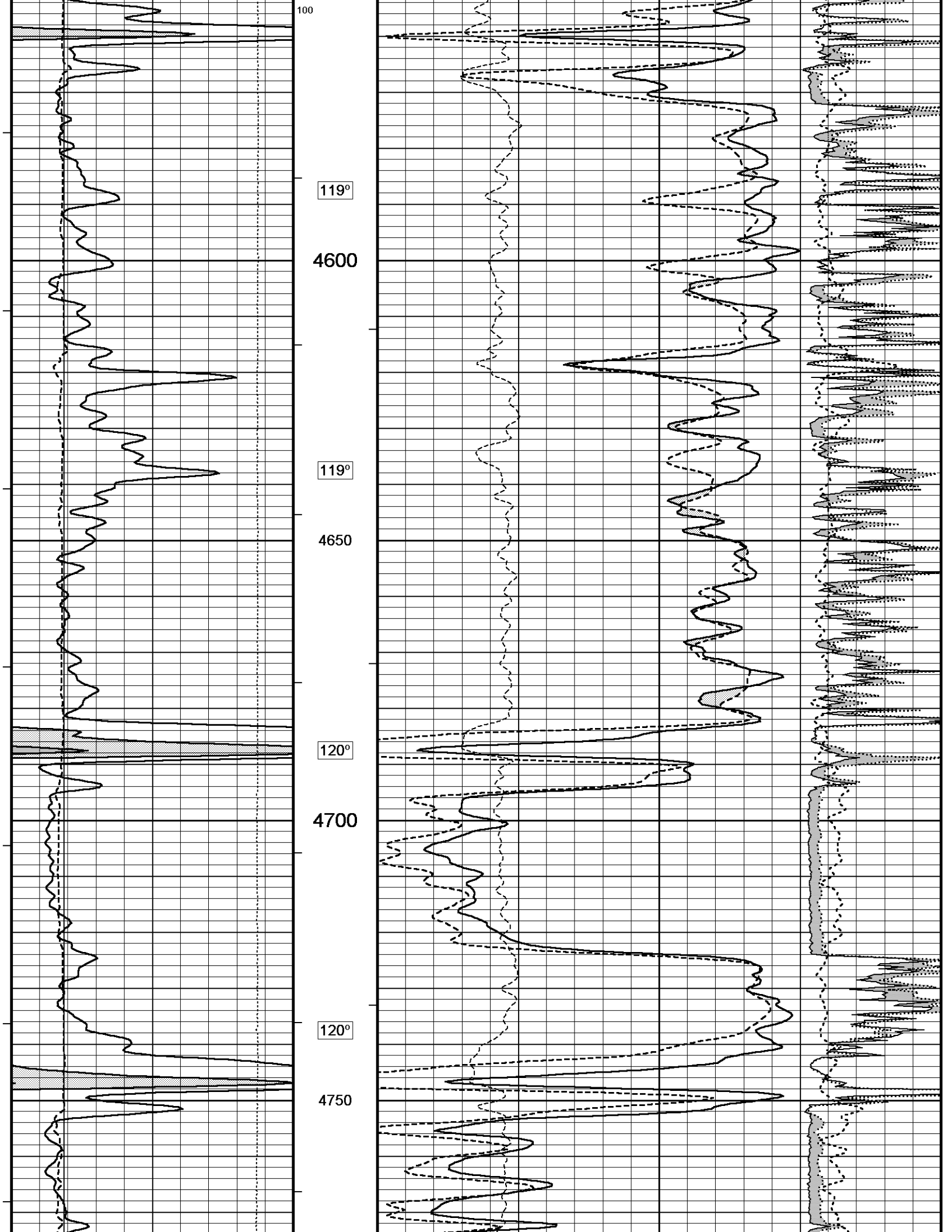
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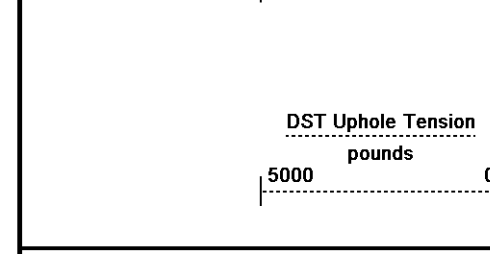
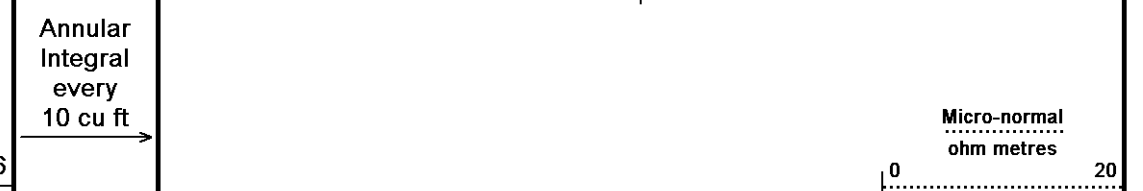
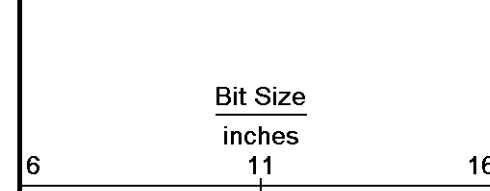
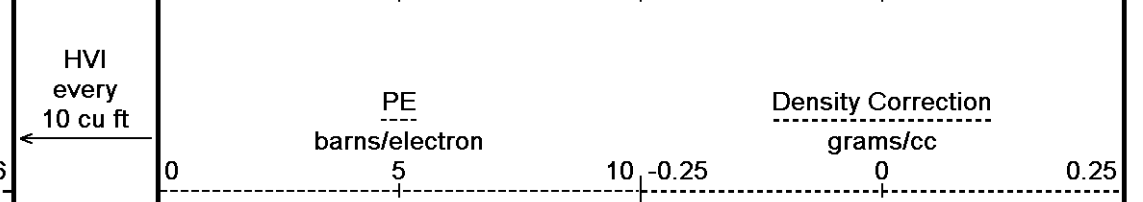
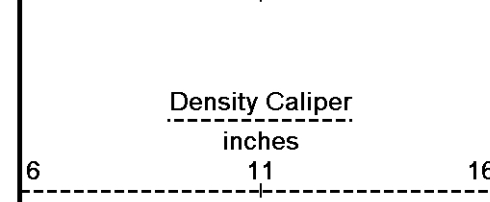
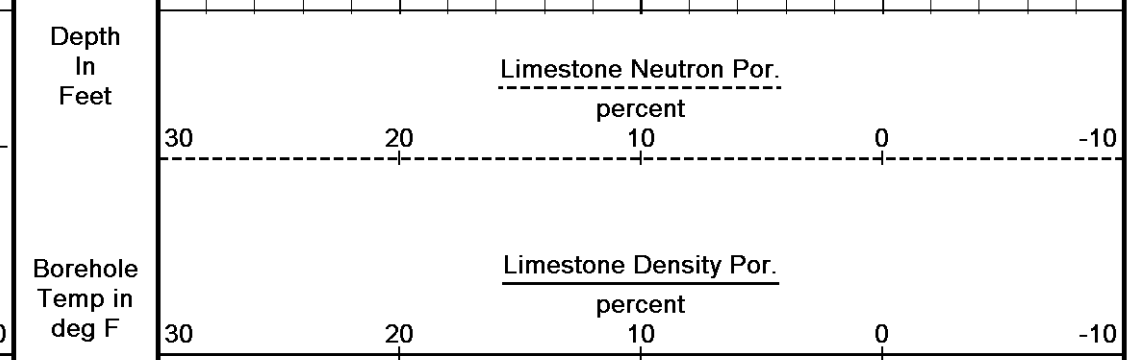
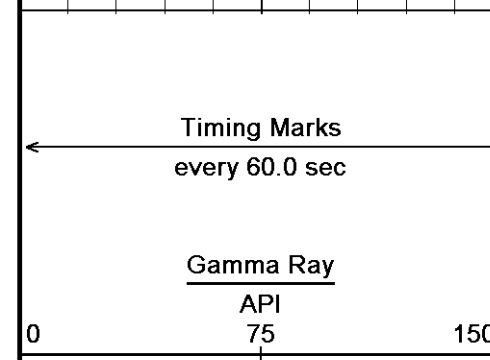
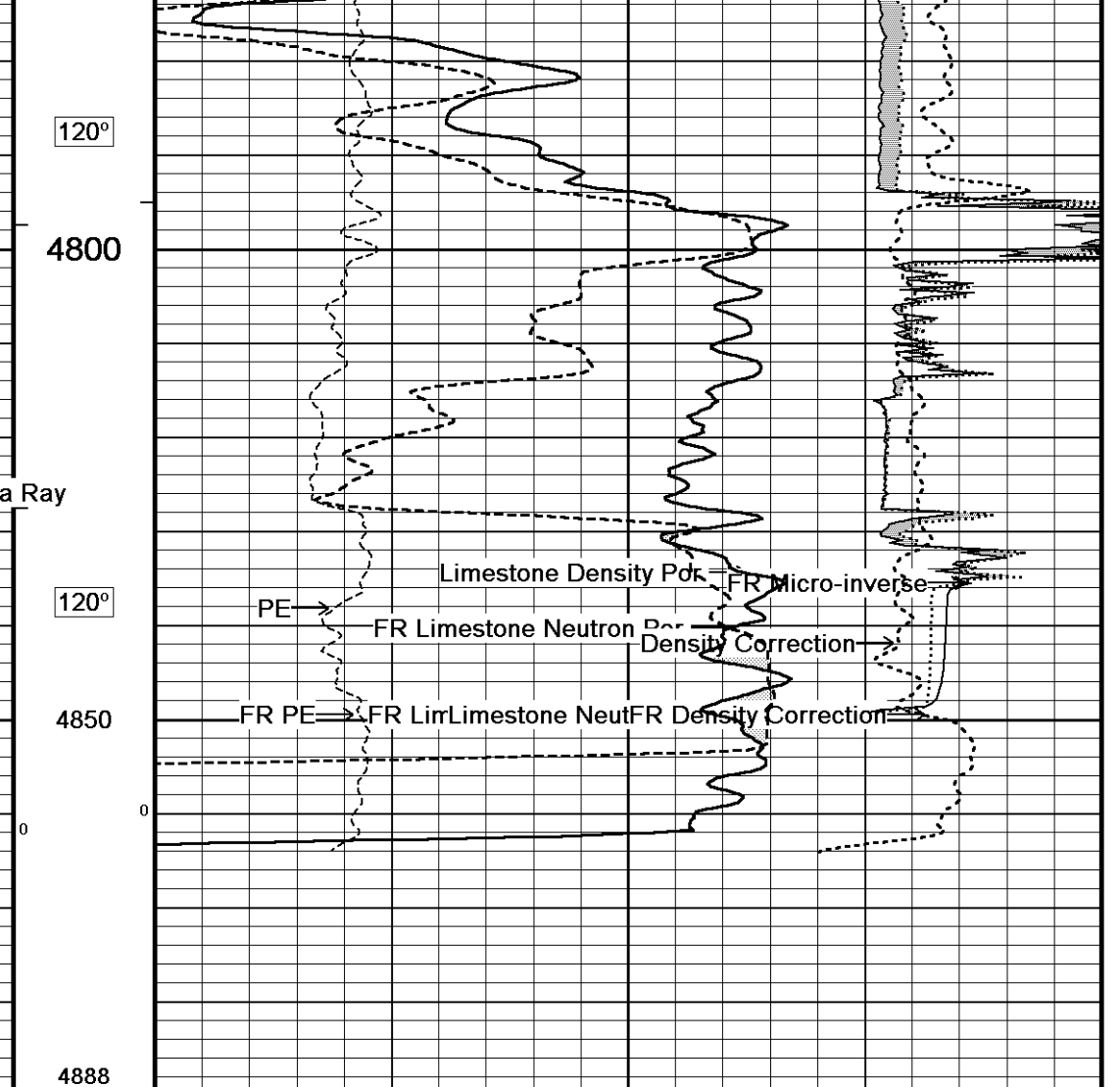
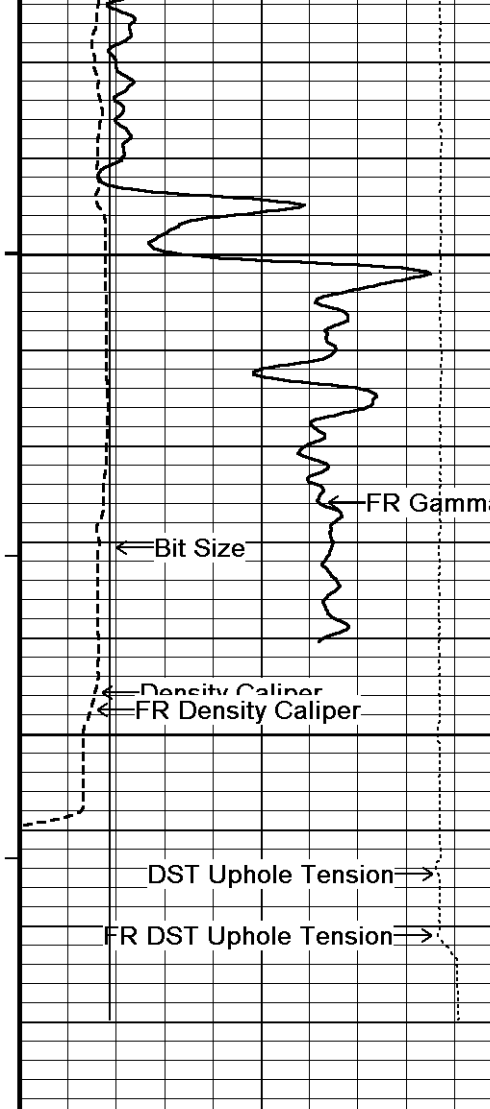






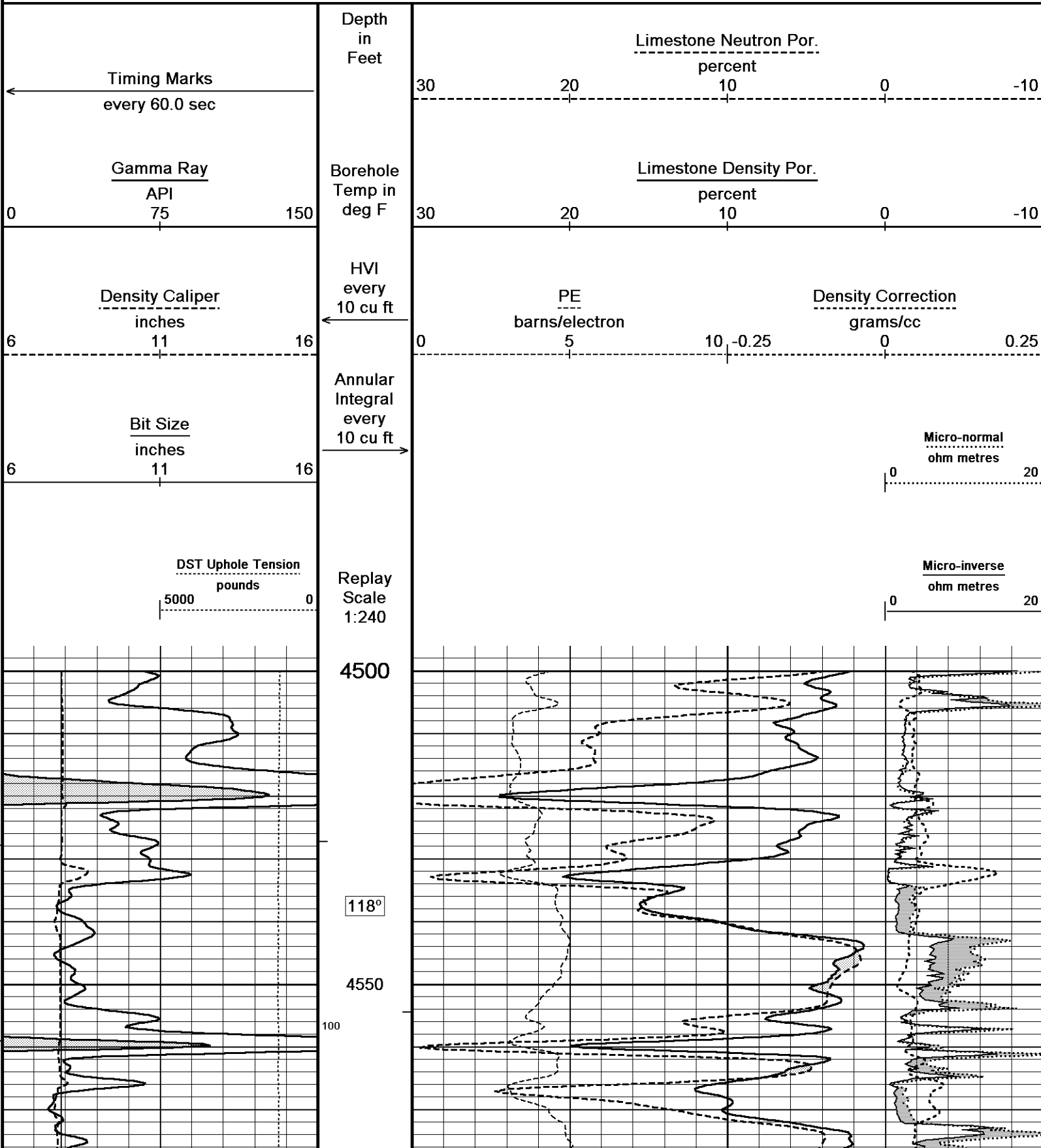


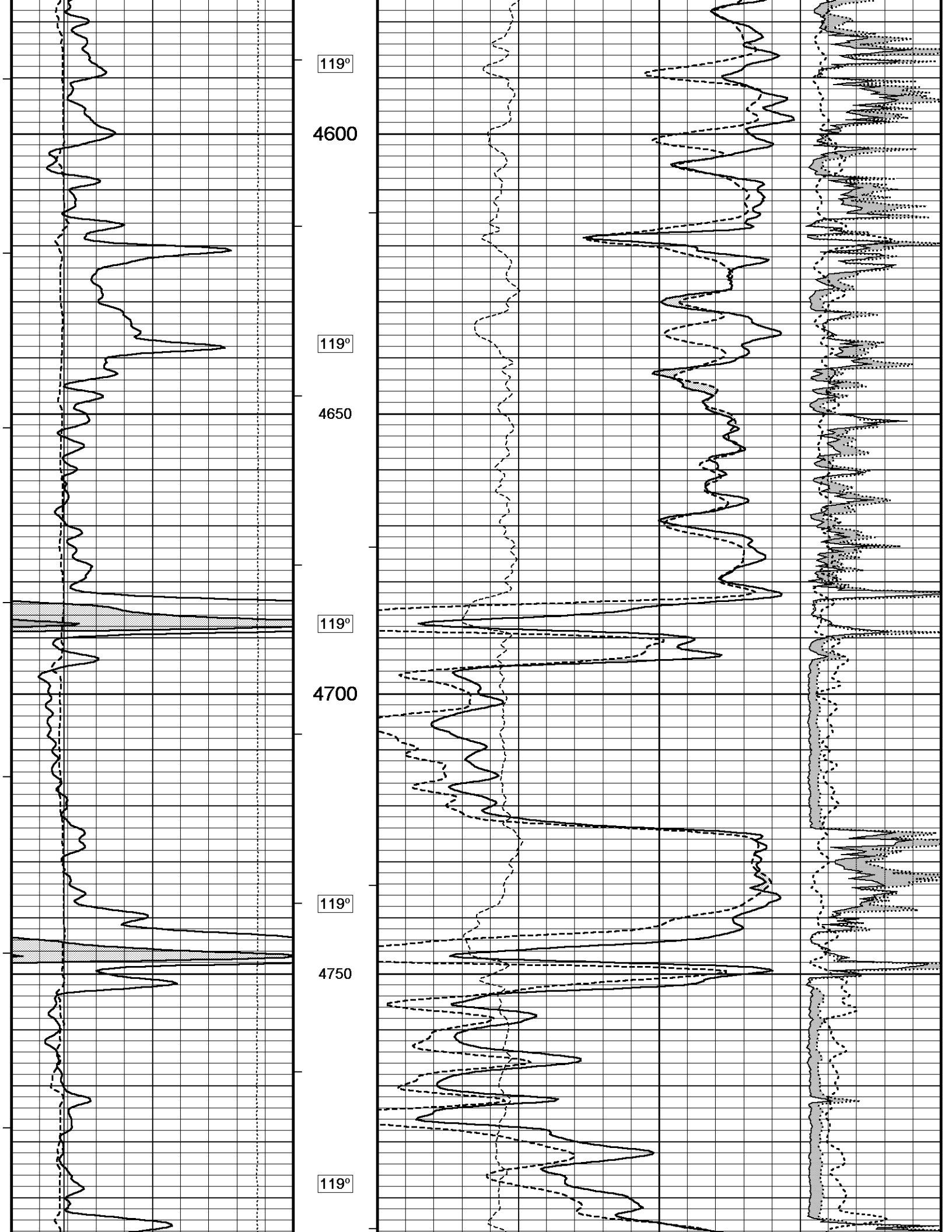


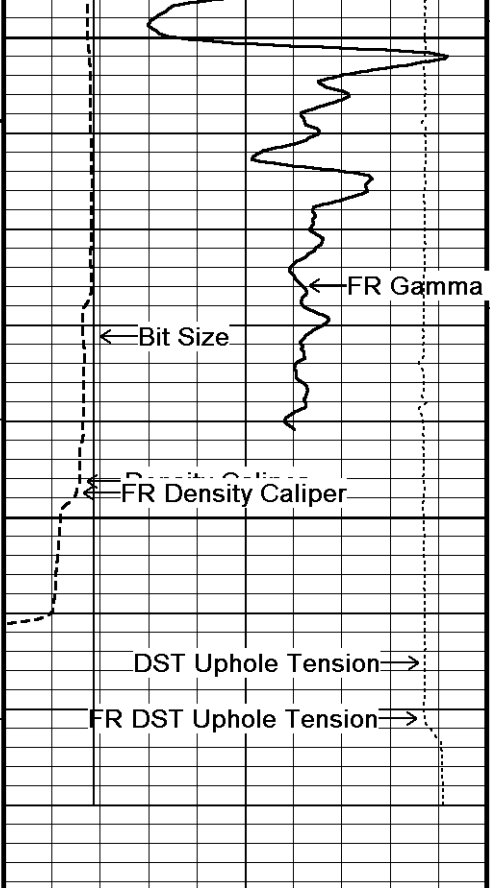


5 INCH MAIN

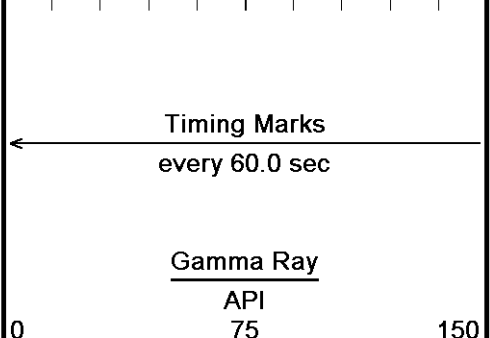
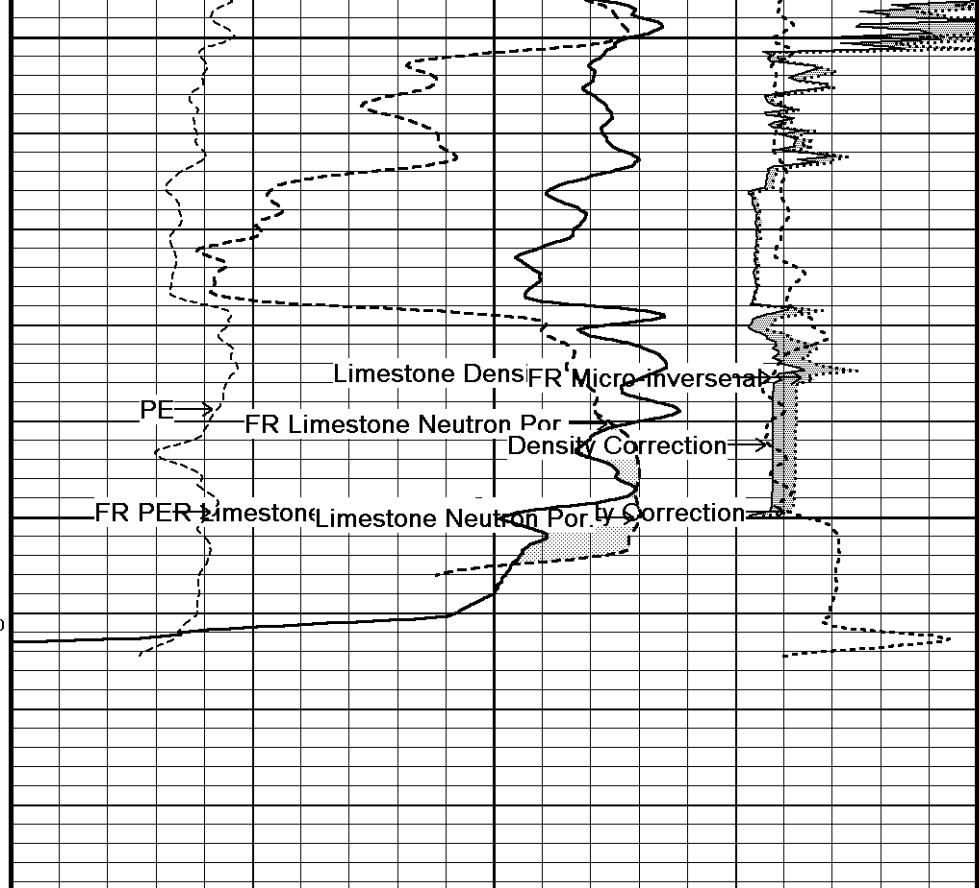
REPEAT SECTION



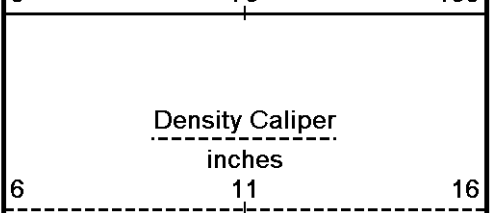
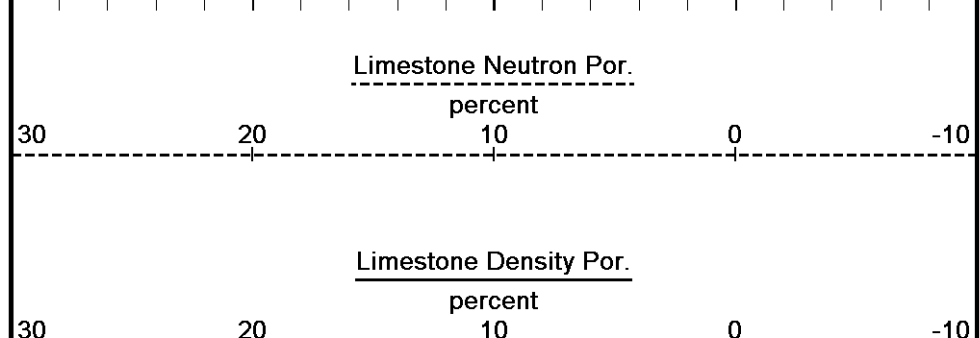




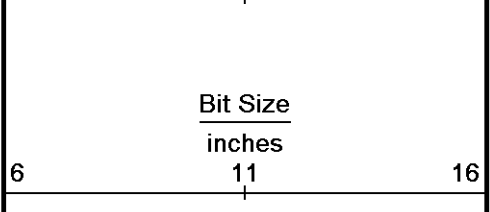
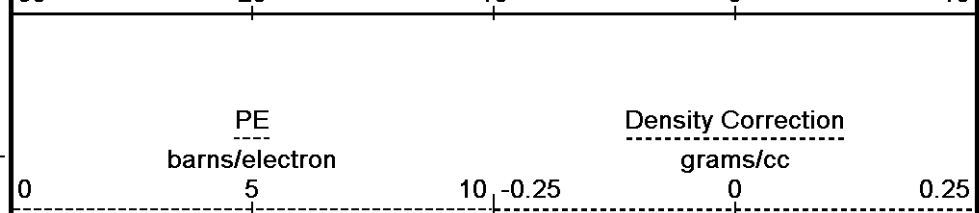
4800
118°
4850
0
4888
Depth in Feet



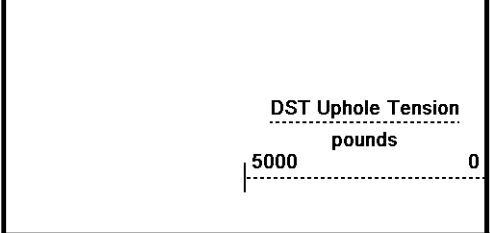
Borehole Temp in deg F



HVI every 10 cu ft



Annular Integral every 10 cu ft



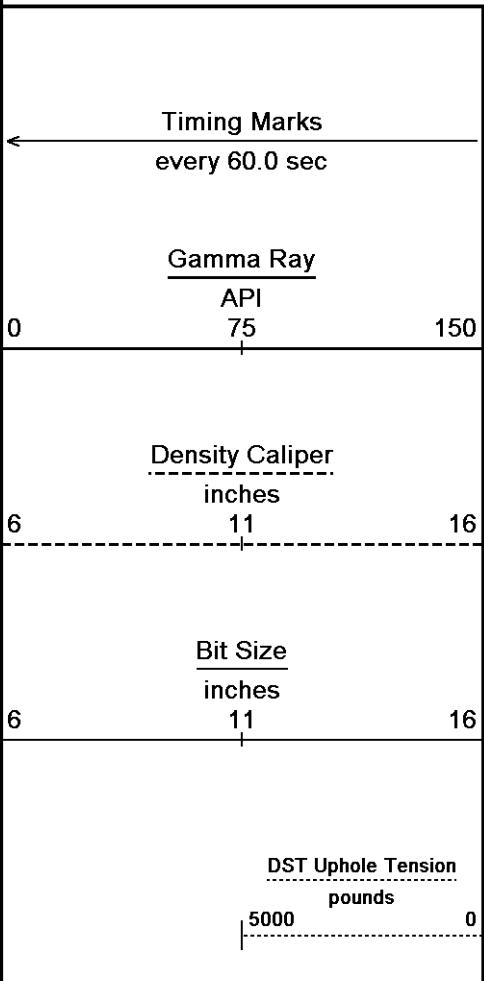
Replay Scale 1:240



Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 20-JUL-2011 08:47
 Filename: C:\DOCUME~1\scheffj\LOCALS~1\Temp\Weathe...\SCHMIDT-D-#4-29_CSGCHCK_001.dta
 Recorded on 19-JUL-2011 15:50
 System Versions: Logged with 11.03.2789 Processed with 11.03.2789 Plotted with 12.01.3513

↑ REPEAT SECTION ↑

5 INCH MAIN



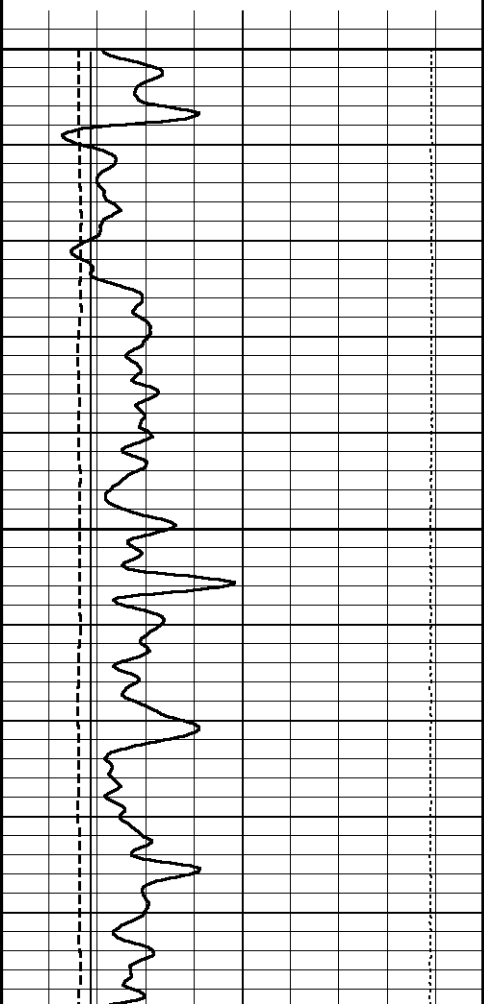
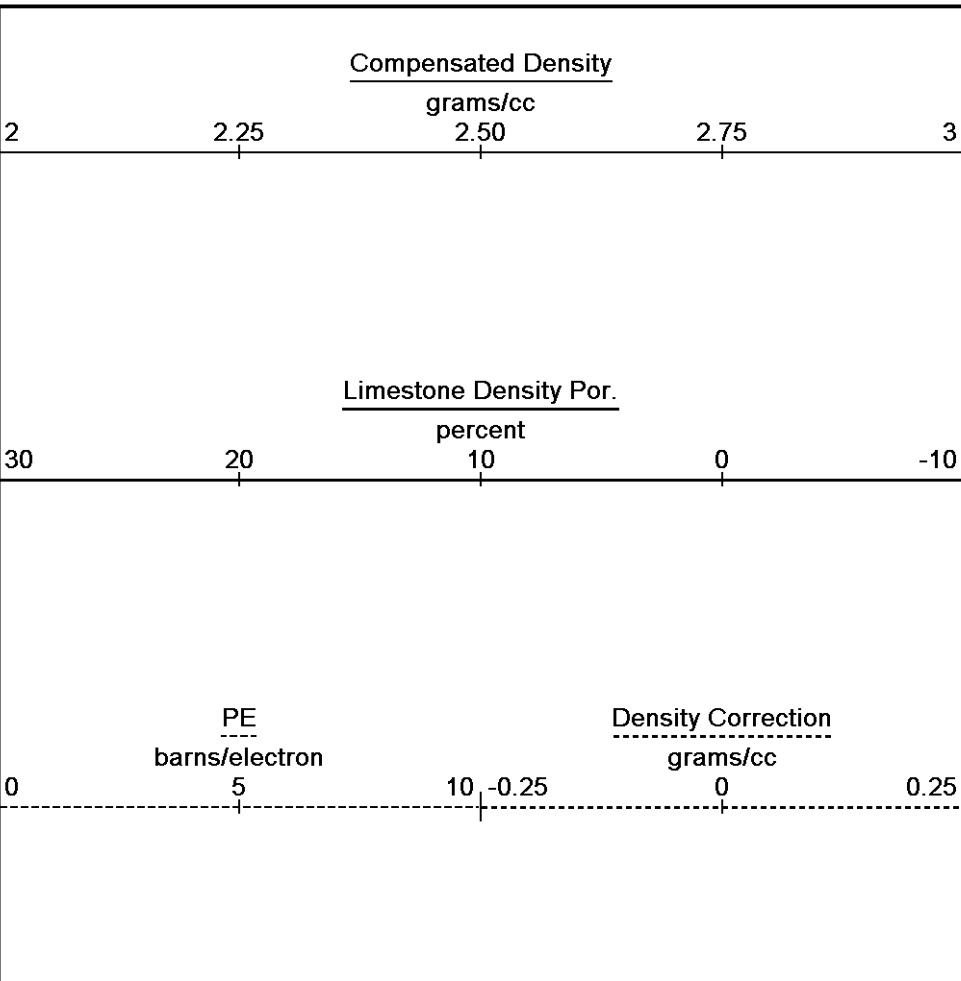
Depth In Feet

Borehole Temp in deg F

HVI every 10 cu ft

Annular Integral every 10 cu ft

Replay Scale 1:240



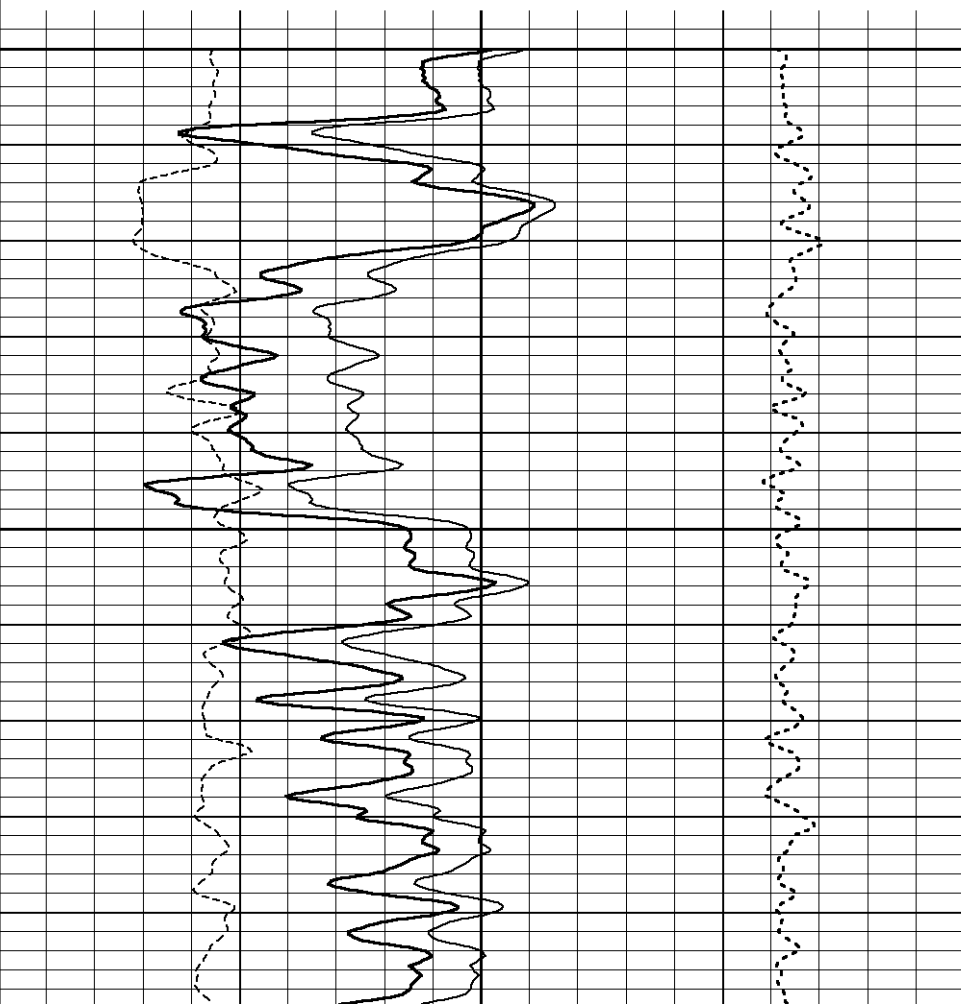
3800

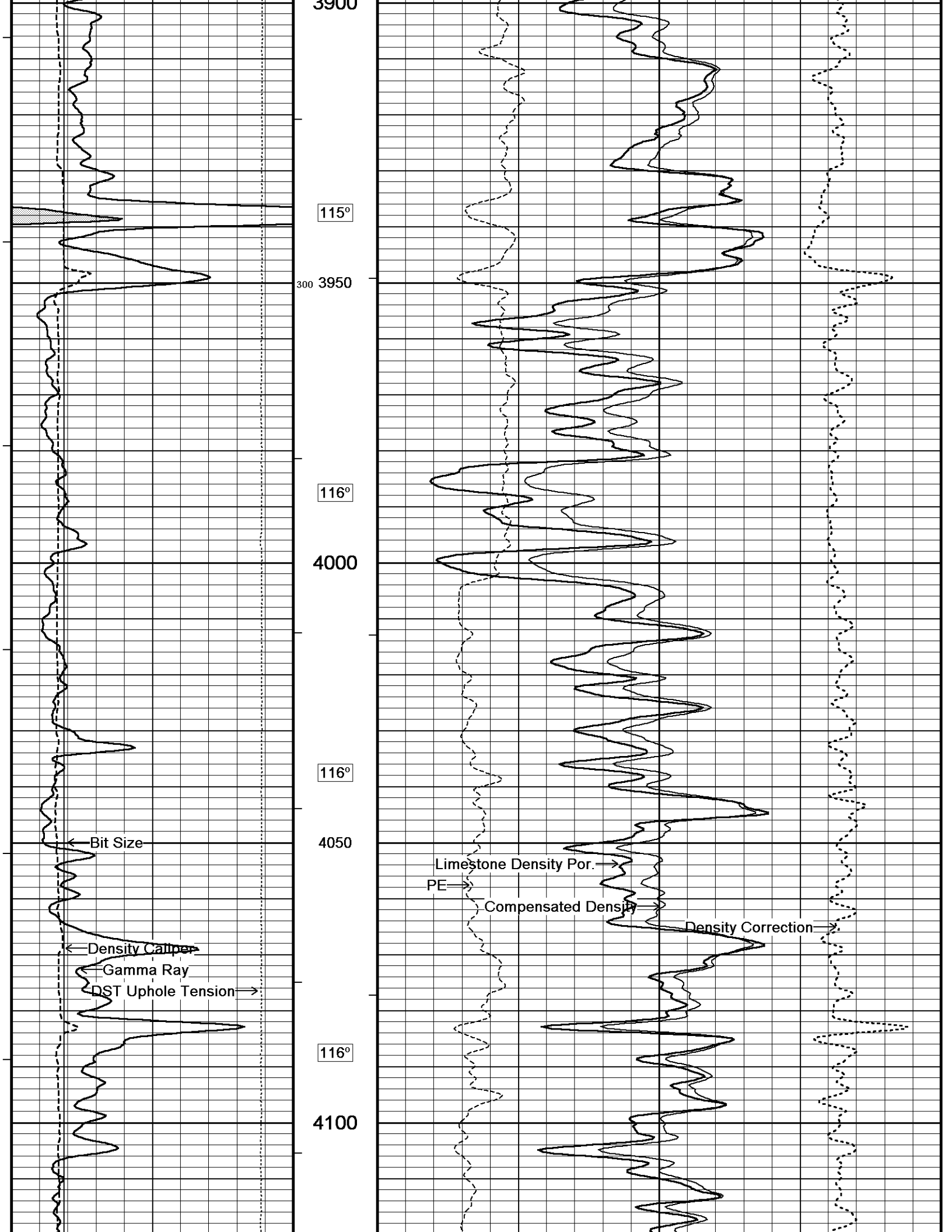
115°

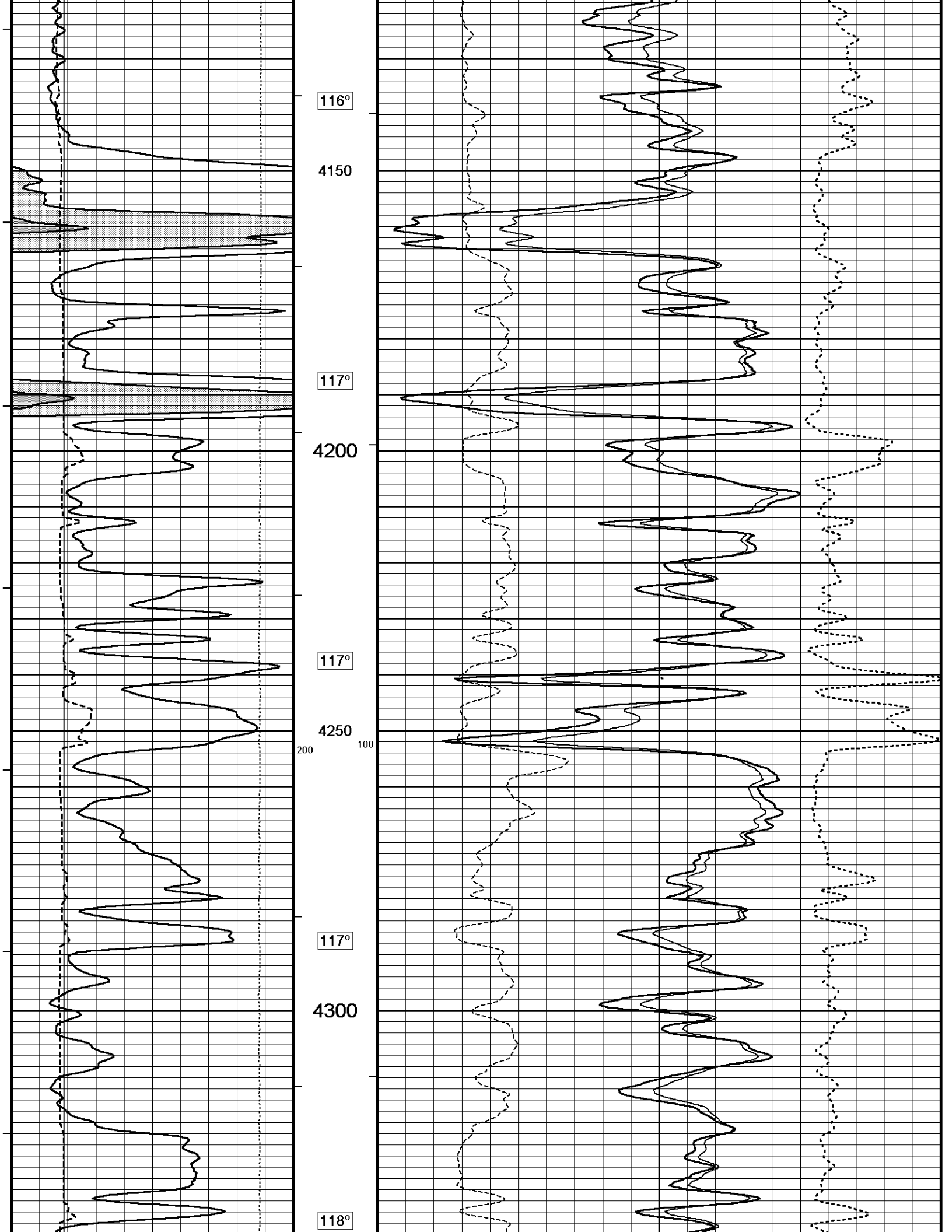
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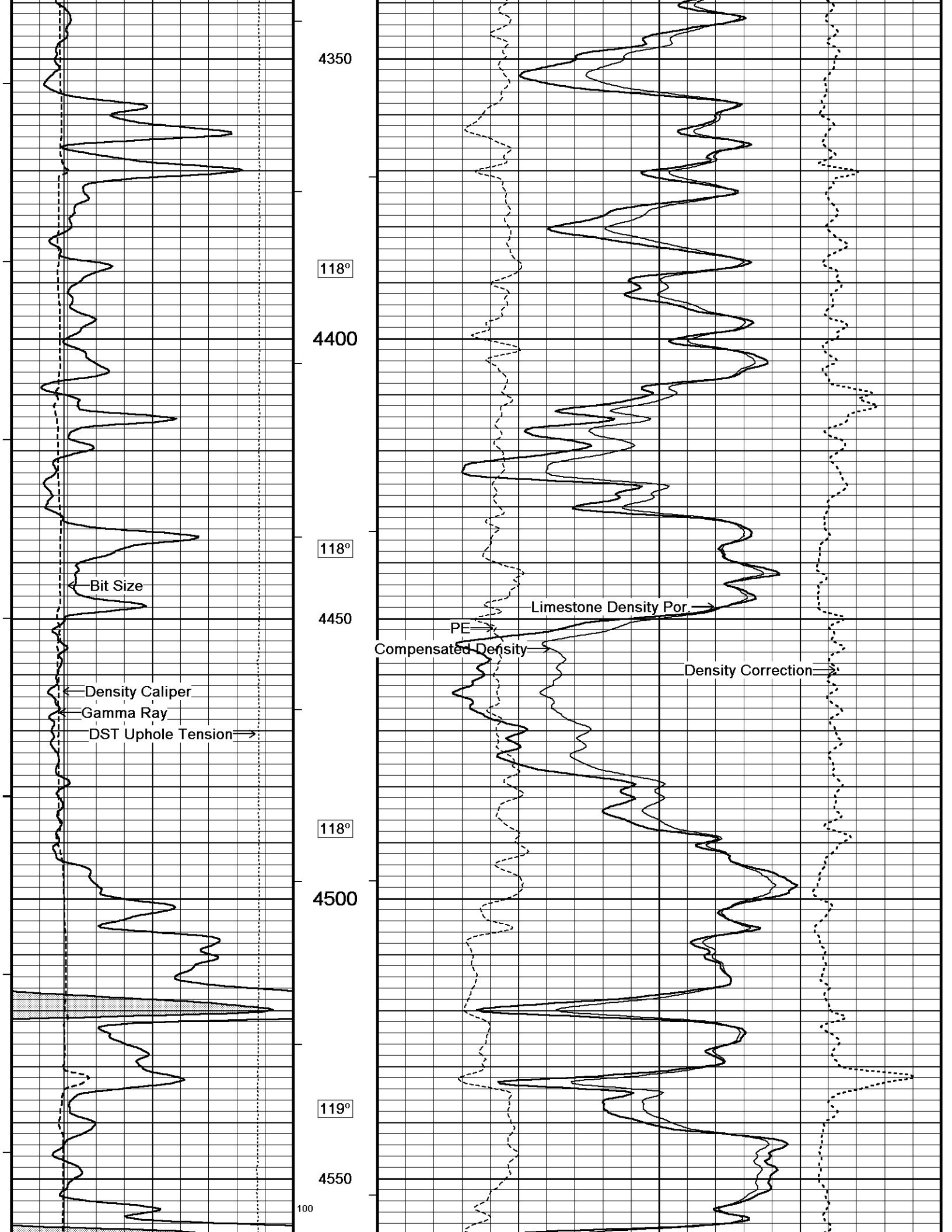
115°

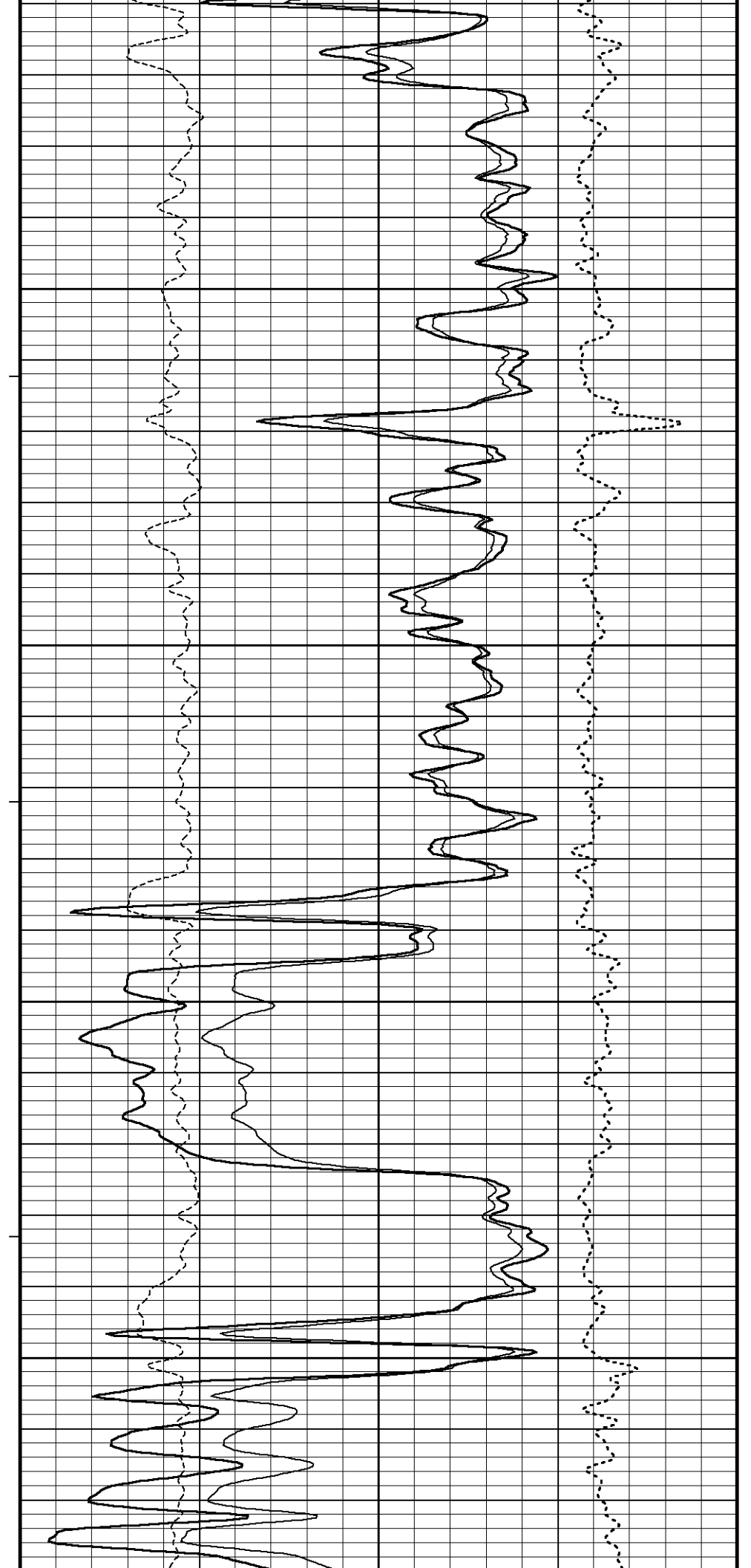
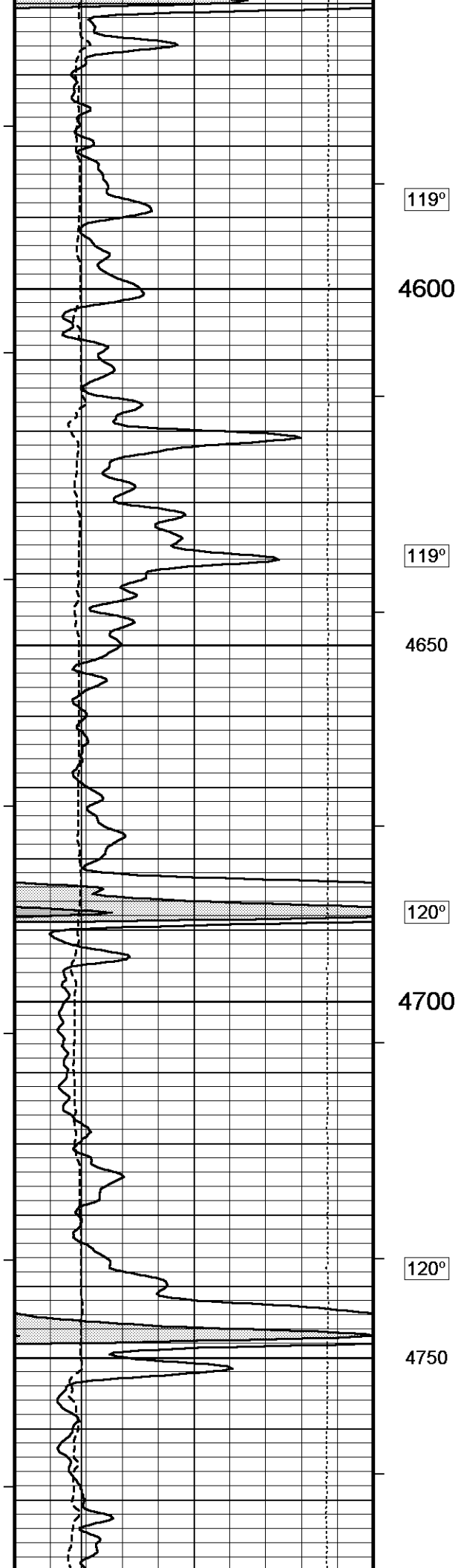
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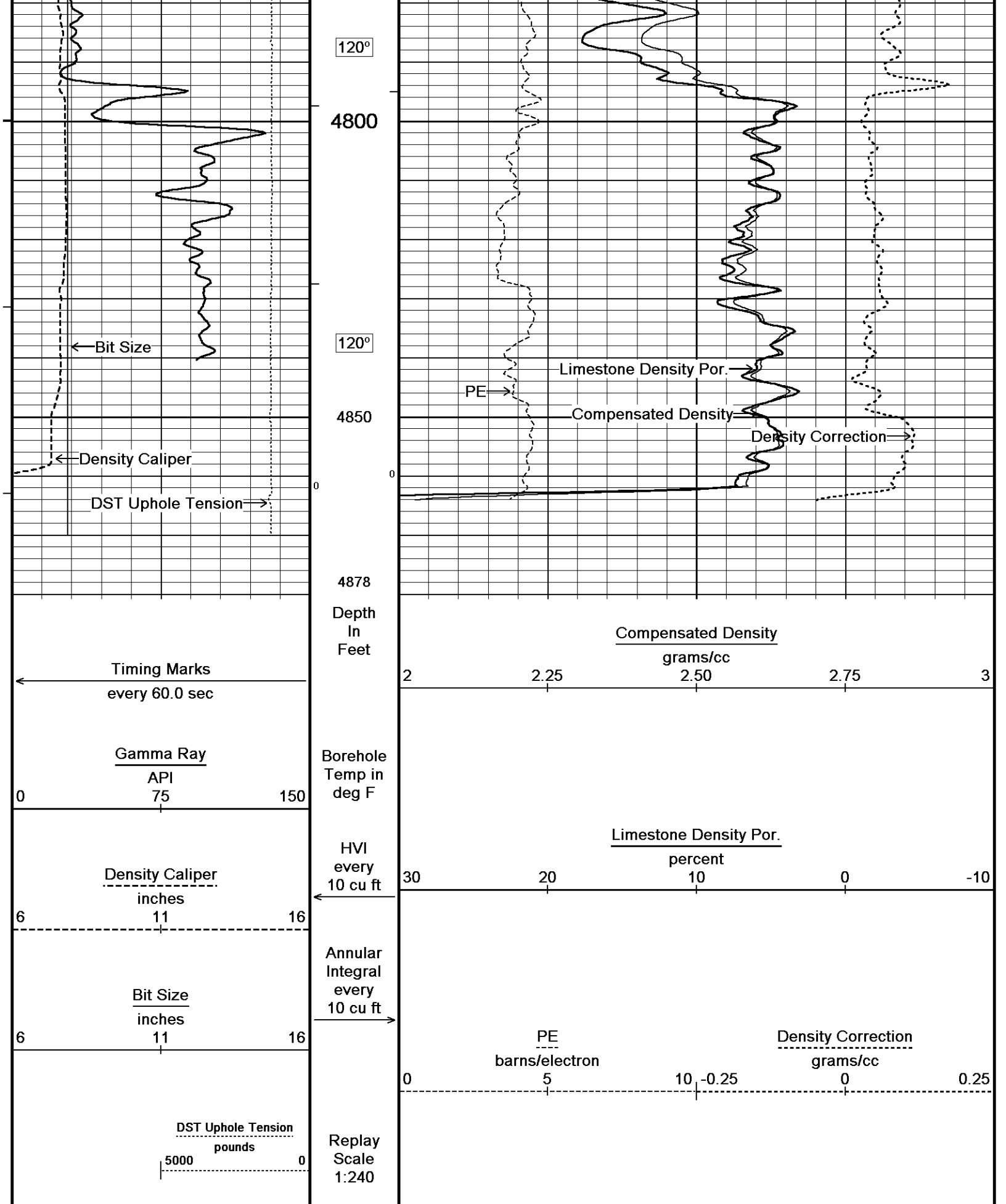












REPEAT SECTION

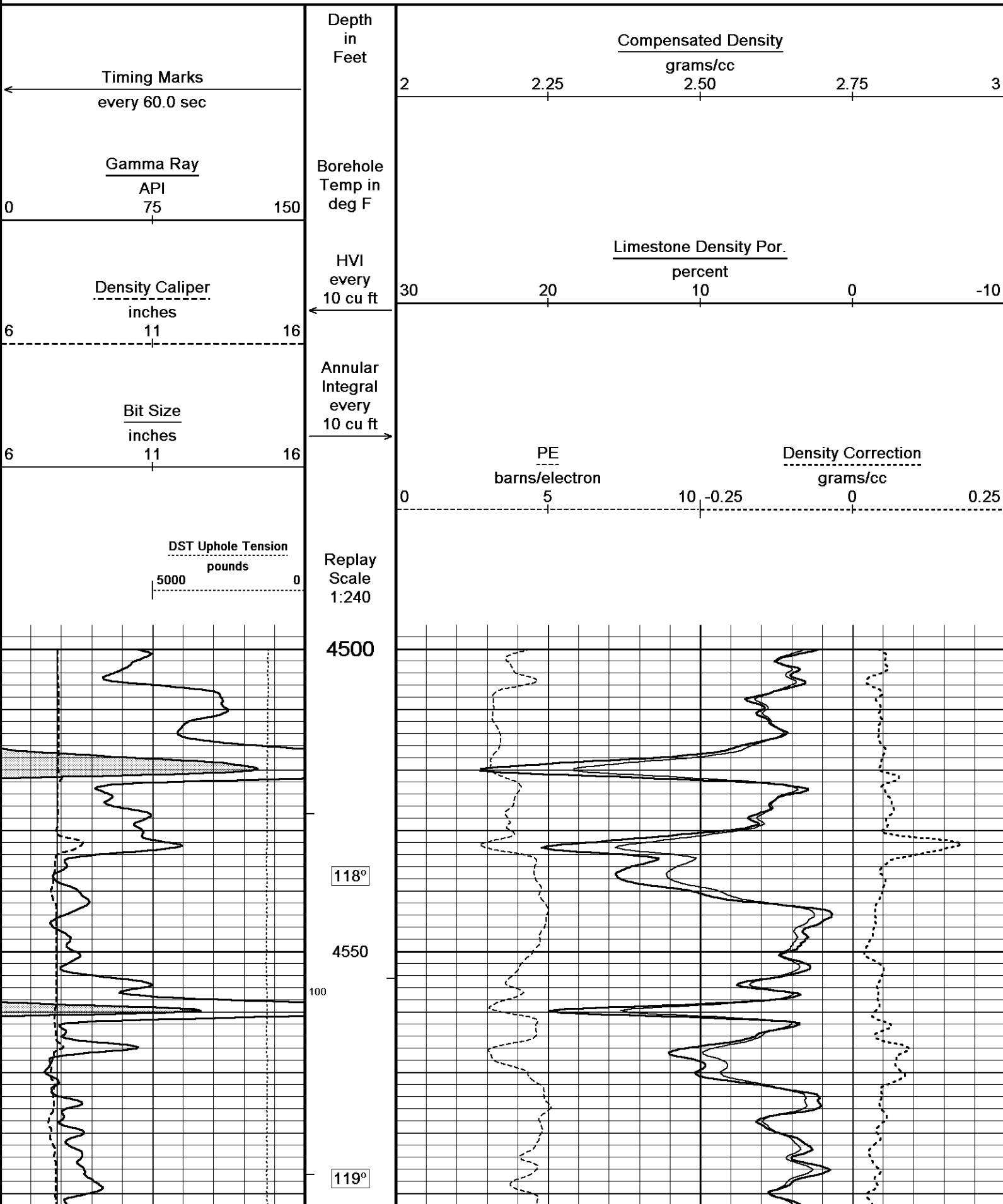
Depth Based Data - Maximum Sampling Increment 10.0cm

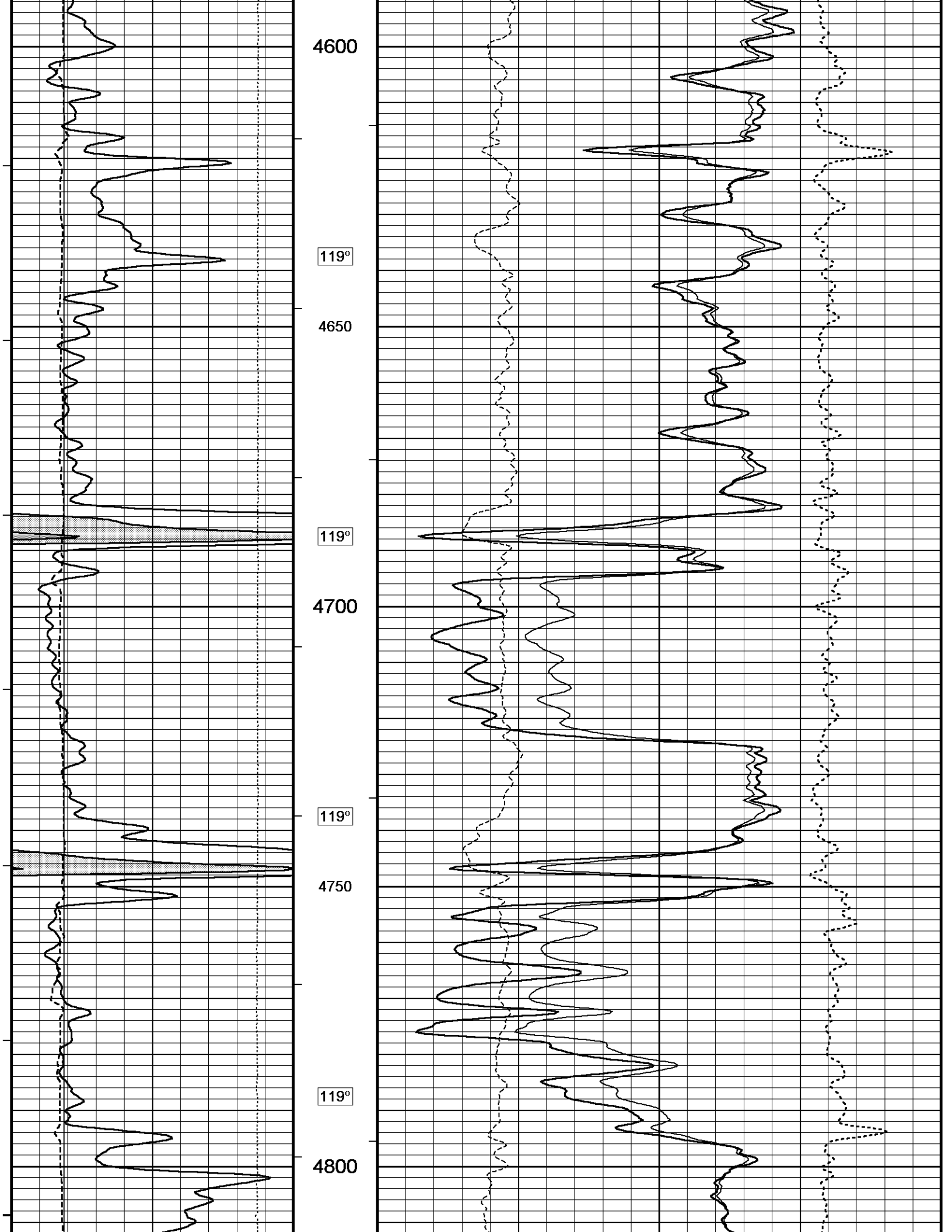
Plotted on 20-JUL-2011 08:47

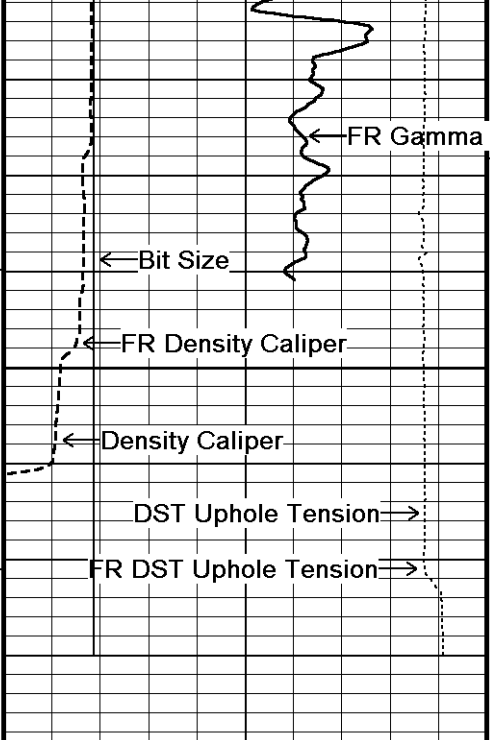
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Recorded on 19-JUL-2011 15:50

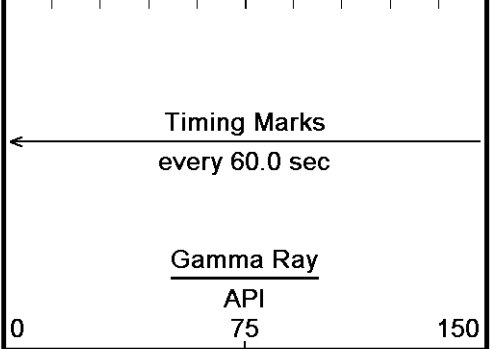
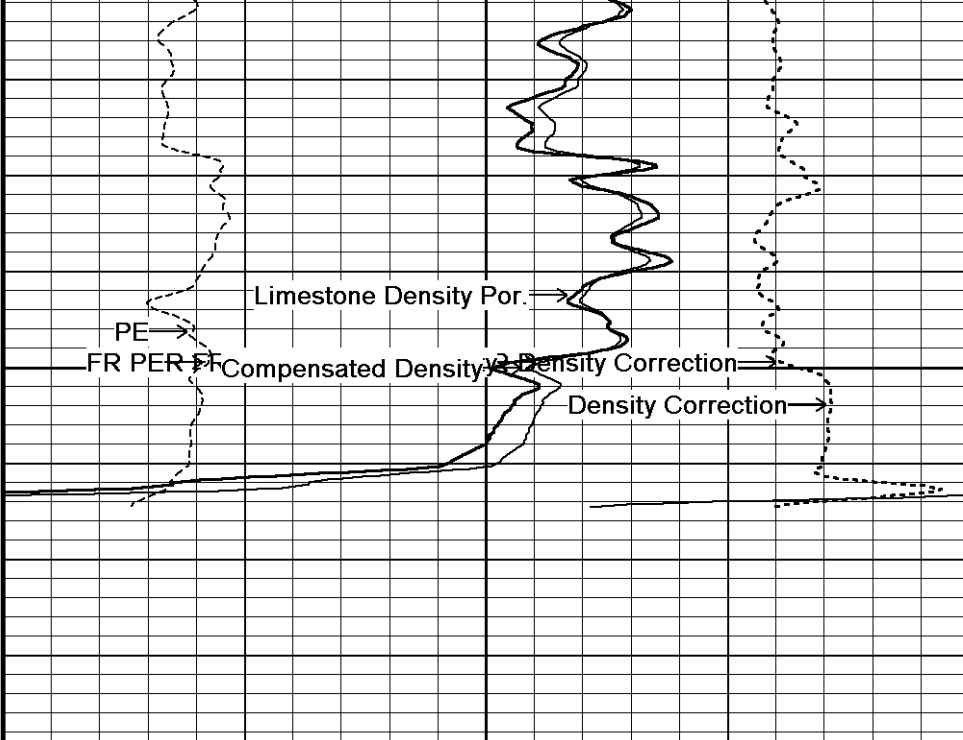
System Versions: Logged with 11.03.2789 Processed with 11.03.2789 Plotted with 12.01.3513



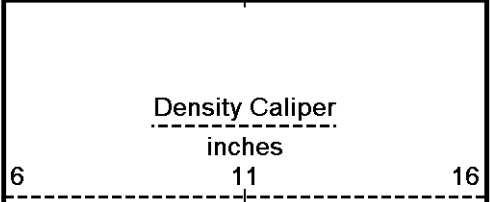
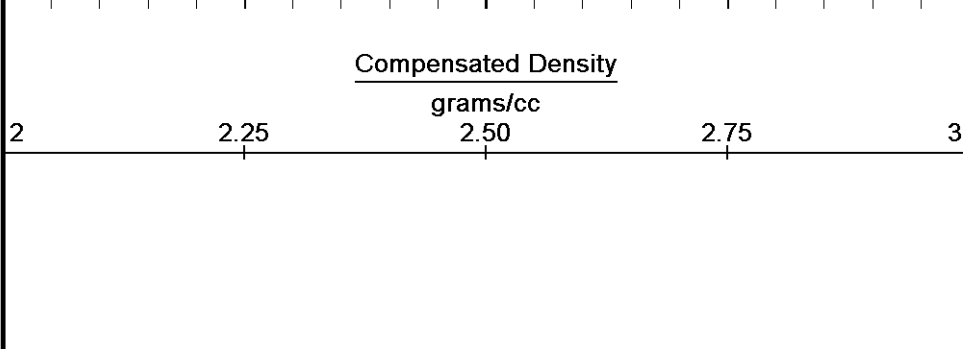




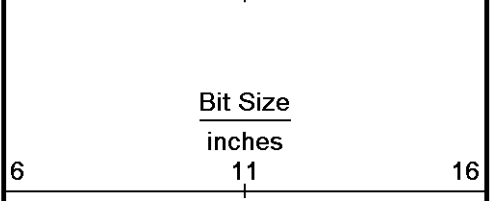
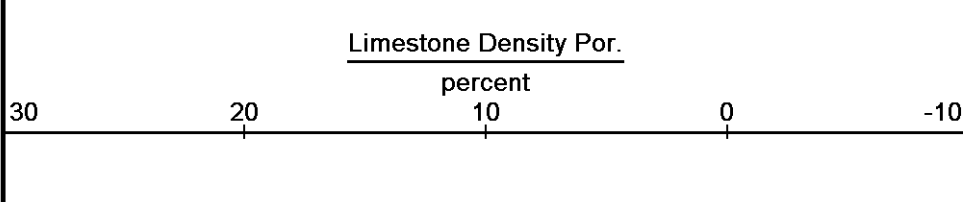
118°
4850
0
4888
Depth in Feet



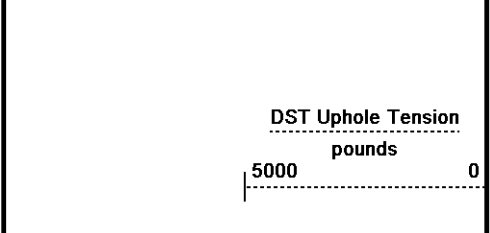
Borehole Temp in deg F



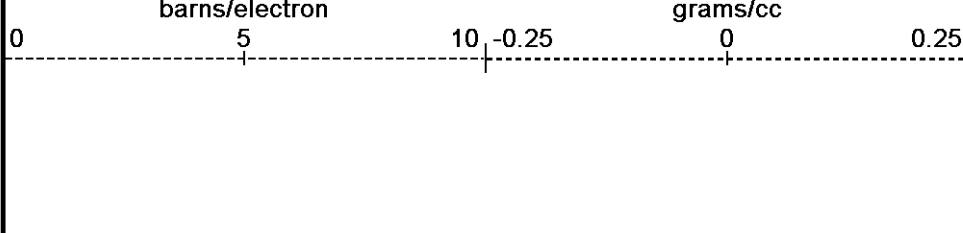
HVI every 10 cu ft



Annular Integral every 10 cu ft



Replay Scale 1:240



Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 20-JUL-2011 08:47
 Filename: C:\DOCUME~1\scheffj\LOCALS~1\Temp\Weathe...\SCHMIDT-D-#4-29_CSGCHCK_001.dta
 Recorded on 19-JUL-2011 15:50
 System Versions: Logged with 11.03.2789 Processed with 11.03.2789 Plotted with 12.01.3513

↑ REPEAT SECTION ↑

BEFORE SURVEY CALIBRATION
 C:\DOCUME~1\scheffj\LOCALS~1\Temp\Weatherford PreView\0\SCHMIDT-D-#4-29_CSGCHCK.dta

General Constants All 000
 Last Edited on 19-JUL-2011 16:36

General Parameters		
Mud Resistivity	1.140	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	Base Density Porosity	
Resistivity used	Array Ind. One Res Rt	
RWA Constant A	0.610	
RWA Constant M	2.150	

Down-hole Tension Calibration All 000

Field Calibration on 30-JUN-2010 01:00

Reading No	Measured	Calibrated (lbs)
1	14112.01	10.00
2	15164.79	427.00

Down-hole Tension Calibration SMS 0

Field Calibration on 30-JUN-2010 01:00

Reading No	Measured	Calibrated (lbs)
1	14112.01	10.00
2	15164.79	427.00

High Resolution Temperature Calibration MCG-C 139

Field Calibration on 19-JUL-2011 09:50

	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
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SP Calibration MCG-C 139

Field Calibration on 19-JUL-2011 09:49

	Measured	Calibrated (mV)
Reference 1	103.5	100.0
Reference 2	-96.9	-100.0

Gamma Calibration MCG-C 139

Field Calibration on 19-JUL-2011 09:49

	Measured	Calibrated (API)
Background	67	45
Calibrator (Gross)	1143	770
Calibrator (Net)	1076	725

Gamma Constants MCG-C 139

Last Edited on 19-JUL-2011 16:35

Gamma Calibrator Number	grc38	
Mud Density	1.14	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 30-JUN-2011 17:33

Field Check on 19-JUL-2011 09:50

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
Field Check				
Channel	Base Check (ohm-m)		Field Check (ohm-m)	
Micro Normal	32.1		32.1	
Micro Inverse	16.3		16.3	

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 30-JUN-2011 17:22

Field Calibration on 19-JUL-2011 09:50

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	14119	5.98
2	17415	7.97
3	20689	9.86
4	24692	11.92
5	0	0.00
6	N/A	N/A

Field Calibration

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

Neutron Calibration MDN-A.B 66

Base Calibration on 30-JUN-2011 18:46

Field Check on 19-JUL-2011 09:50

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
Ratio	3227	102	3714	110
	31.653		33.764	

Field Calibrator at Base

	Calibrated (cps)
Ratio	1604 2288
	0.701

Field Check

	Calibrated (cps)
Ratio	1595 2263
	0.705

Neutron Constants MDN-A.B 66

Last Edited on 16-JUL-2011 15:39

Neutron Source Id	P58125B		
Neutron Jig Number	5824NE		
Epithermal Neutron	No		
Caliper Source for Processing	Density Caliper		
Stand-off	0.00	inches	
Mud Density	1.00	gm/cc	
Limestone Sigma	7.10	cu	
Sandstone Sigma	4.26	cu	
Dolomite Sigma	4.70	cu	
Formation Pressure Source	Constant Value		
Formation Pressure	0.00	kpsi	
Temperature Source	MCG External Temperature		
Temperature	20.00	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 30-JUN-2011 16:35

Field Check on 19-JUL-2011 09:51

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	964.4	126.8

Base Check	279.9
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Field Check	280.1
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FE Constants MFE-A.A 52

Last Edited on 16-JUL-2011 16:54

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 19-JUL-2011 09:51

	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 19-JUL-2011 09:51

Base Calibration

Test Loop Calibration

Channel	Measured		Calibrated (mmho/m)	
	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	0.0	0.0	14.1	3836.5
2	0.0	0.0	29.8	3472.9
3	0.0	0.0	29.2	3049.0
4	0.0	0.0	19.7	2078.8
Deep	0.0	0.0	18.6	2046.1
Medium	0.0	0.0	42.2	3985.7
Shallow	0.0	0.0	43.4	5048.5

Array Temperature 0.0 90.6 Deg F

Induction Constants MAI-A.A 167

Last Edited on 19-JUL-2011 16:33

Induction Model	RtAP-WBM	
Caliper for Borehole Corr.	Density Caliper	
Hole Size for Borehole Correction	N/A	inches
Tool Centred	No	
Stand-off Type	Fins	
Stand-off	0.50	inches
Number of Fins on Stand-off	8.0000	
Stand-off Fin Angle	45.00	degrees
Stand-off Fin Width	0.5000	inches
Borehole Corr. Rm Source	Temperature Corr	
Temp. for Rm Corr.	MCG External Temperature	
Squasher Start	0.0020	mhos/metre
Squasher Offset	N/A	mhos/metre

Borehole Normalisation

DRM1	0.0000	DRC1	0.0000
DRM2	0.0000	DRC2	0.0000
MRM1	0.0000	MRC1	0.0000
MRM2	0.0000	MRC2	0.0000
SRM1	0.0000	SRC1	0.0000
SRM2	0.0000	SRC2	0.0000

Calibration Site Corrections

Channel 1	0.00	mmhos/metre
Channel 2	0.00	mmhos/metre
Channel 3	0.00	mmhos/metre
Channel 4	0.00	mmhos/metre

Apparent Porosity and Water Saturation Constants

Archie Constant (A) 1.00

Cementation Exponent (M)	2.00	
Saturation Exponent (N)	2.00	
Saturation of Water for Apor	100.00	percent
Resistivity of Water for Apor and Sw	0.05	ohm-m
Resistivity of Mud Filtrate for Sw	0.00	ohm-m
Source for Rt	0.00	
Source for Rxo	0.00	

Caliper Calibration MPD-B 35

Base Calibration on 11-JUL-2011 11:31
Field Calibration on 19-JUL-2011 09:51

Base Calibration		
Reading No	Measured	Calibrator Size (in)
1	19039	3.99
2	29274	5.98
3	39568	7.97
4	49173	9.86
5	60065	11.92
6	N/A	N/A

Field Calibration		
	Measured Caliper (in)	Actual Caliper (in)
	5.98	5.98

Photo Density Calibration MPD-B 35

Base Calibration on 11-JUL-2011 11:49
Field Check on 19-JUL-2011 09:51

Density Calibration				
Base Calibration		Measured		Calibrated (sdu)
	Near	Far	Near	Far
Reference 1	57974	27718	59556	30836
Reference 2	23445	2602	24941	2541

Field Check at Base	1165.1	1390.6
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Field Check	1169.8	1387.5
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PE Calibration				
Base Calibration		Measured		Calibrated
	WS	WH	Ratio	Ratio
Background	207	1031		
Reference 1	21348	57768	0.373	0.371
Reference 2	6208	23295	0.270	0.272

Field Check at Base	207.5	1031.2
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Field Check	208.6	1029.9
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Density Constants MPD-B 35

Last Edited on 19-JUL-2011 16:34

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	1.14	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

DOWNHOLE EQUIPMENT

C:\DOCUME~1\scheffj\LOCALS~1\Temp\Weatherford PreView\0\SCHMIDT-D-#4-29_CSGCHK.dta

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

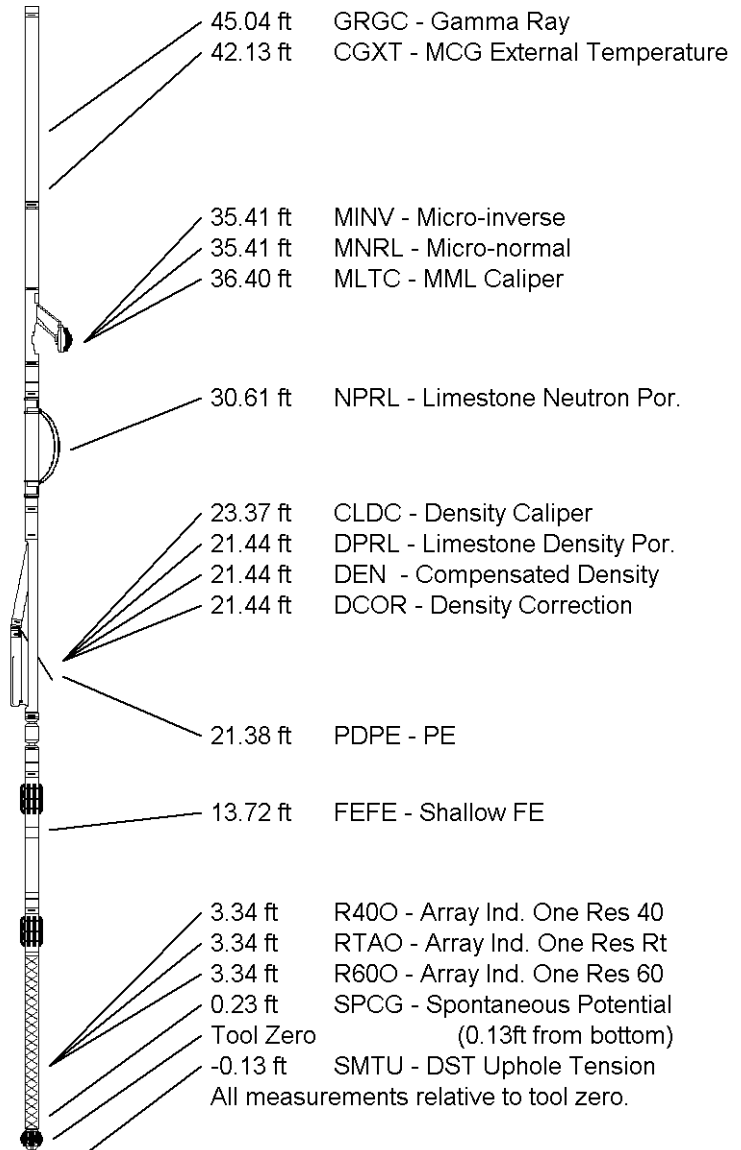
Compact Density/Caliper
MPD-B 35 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

SKJ-D.A Compact Knuckle Joint
SKJ-D.A 36 LG: 2.17 ft WT: 24.3 lb OD: 2.24 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: 50.32 ft Weight: 407.9 lb



COMPANY	MCCOY PETROLEUM
WELL	SCHMIDT -D- #4-29
FIELD	LETTE SE
PROVINCE/COUNTY	HASKELL
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing	2855.00	feet	First Reading		feet
Elevation Drill Floor	2854.00	feet	Depth Driller	4870.00	feet
Elevation Ground Level	2842.00	feet	Depth Logger	4871.00	feet



COMPACT PHOTO DENSITY
COMPENSATED NEUTRON
MICRORESISTIVITY LOG

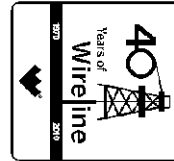




Weatherford

MICRORESISTIVITY LOG

COMPANY **MCCOY PETROLEUM**
 WELL **SCHMIDT -D- #4-29**
 FIELD **LETTE SE**
 PROVINCE/COUNTY **HASKELL**
 COUNTRY/STATE **U.S.A. / KANSAS**
 LOCATION **SW SE SE**
330' FSL & 990' FEL



SEC **TWP** **RGE** Other Services
30S **31W** MAI/MFE
 API Number **15-081-21952** MPD/MDN
 Permit Number

Permanent Datum GL, Elevation 2842 feet
 Log Measured From K.B. @ 13 FEET above Permanent Datum
 Drilling Measured From K.B.

Elevations: **feet**
 KB 2855.00
 DF 2854.00
 GL 2842.00

Date	19-JUL-2011	
Run Number	ONE	
Depth Driller	4870.00	feet
Depth Logger	4871.00	feet
First Reading	4836.00	feet
Last Reading	3800.00	feet
Casing Driller	1874.00	feet
Casing Logger	1873.00	feet
Bit Size	7.880	inches
Hole Fluid Type	CHEMICAL	
Density / Viscosity	9.15 lb/USg	50.00 CP
PH / Fluid Loss	10.50	8.40 ml/30Min
Sample Source	FLOWLINE	
Rm @ Measured Temp	1.23 @ 93.0	ohm-m
Rmf @ Measured Temp	0.98 @ 93.0	ohm-m
Rmc @ Measured Temp	1.47 @ 93.0	ohm-m
Source Rmf / Rmc	CALC	CALC
Rm @ BHT	0.93 @122.0	ohm-m
Time Since Circulation	4 HOURS	
Max Recorded Temp	122.00	deg F
Equipment Name	COMPACT	
Equipment / Base	13025	LIB
Recorded By	W. STAMBAUGH	
Witnessed By	TIM PRIEST	
S.O. #/JOB #	3531138	LB11-169

BOREHOLE RECORD

Last Edited: 19-JUL-2011 16:22

Bit Size inches	Depth From feet	Depth To feet
7.880	1873.00	4871.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	1873.00	24.00

REMARKS

Tools Run: MAI, MPD, MCG, MDN, MFE, MML,
 Hardware: MPD: 8 inch profile plate used. MAI and MFE: 0.5 inch standoffs used. MDN: Dual Eccentralizer used.
 2.71 G/CC Limestone density matrix used to calculate porosity.
 Borehole rugosity, tight pulls, and washouts will affect data quality.
 All intervals logged and scaled per customer's request.
 Annular volume with 5.5 inch production casing 175 Cubic Feet
 Total hole volume to top of detail section 350 Cubic feet
 Service order #3531138
 Rig: STERLING RIG #5
 Engineer: W. Stambaugh
 Operator(s): J. LaPoint

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.

5 INCH MAIN

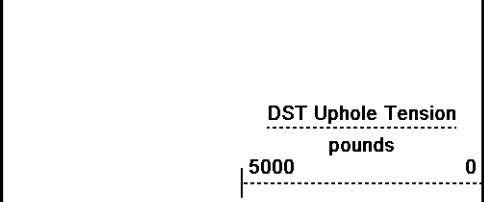
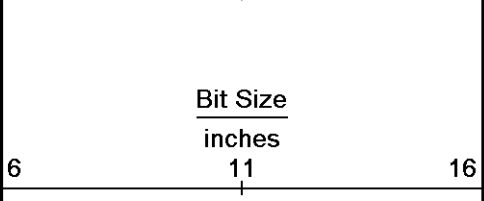
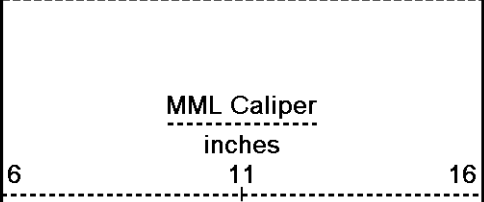
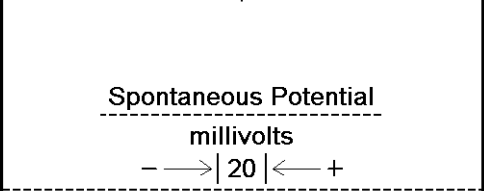
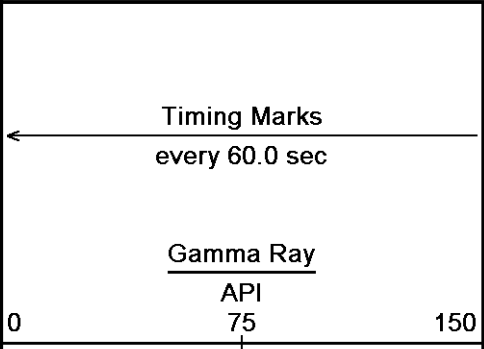
Depth Based Data - Maximum Sampling Increment 10.0cm

Plotted on 20-JUL-2011 08:47

Filename: C:\DOCUME~1\scheffj\LOCALS~1\Temp\Weathe... \SCHMIDT-D-#4-29_CSGCHCK_002.dta

Recorded on 19-JUL-2011 16:41

System Versions: Logged with 11.03.2789 Processed with 11.03.2789 Plotted with 12.01.3513



Depth
In
Feet

Borehole
Temp in
deg F

Replay
Scale
1:240

3800

115°

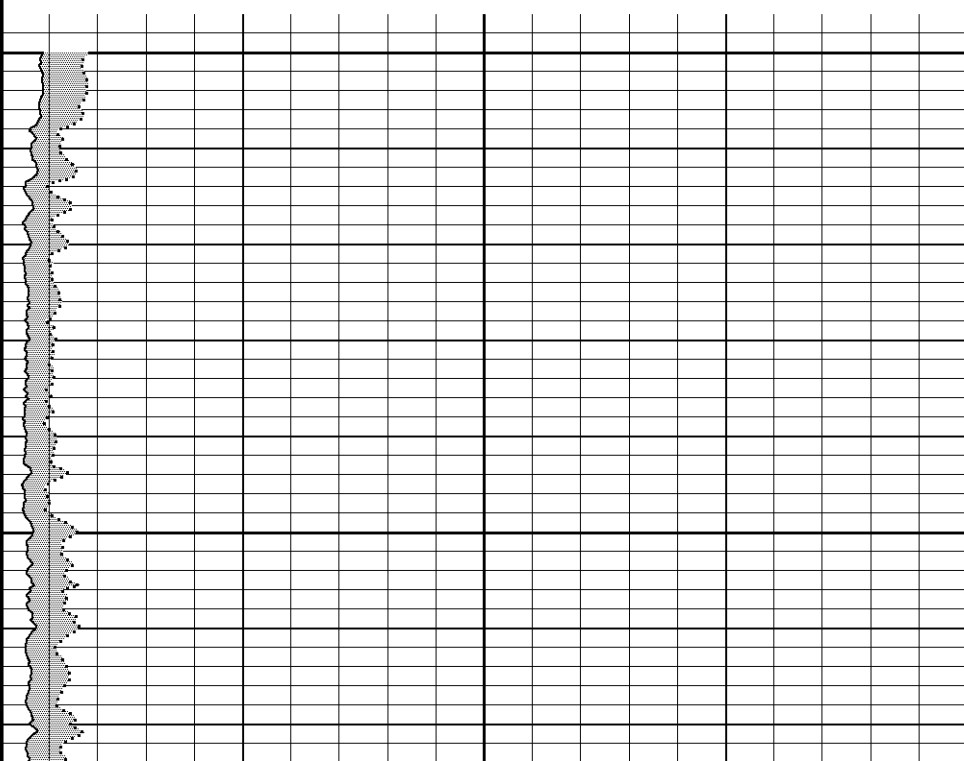
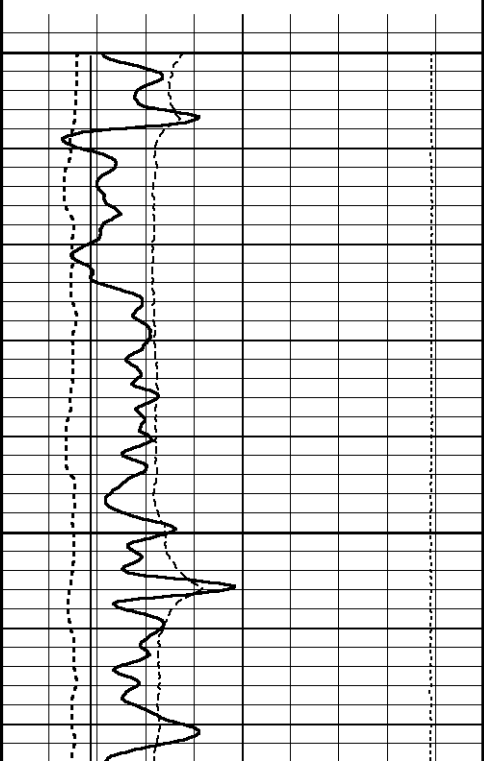
3850

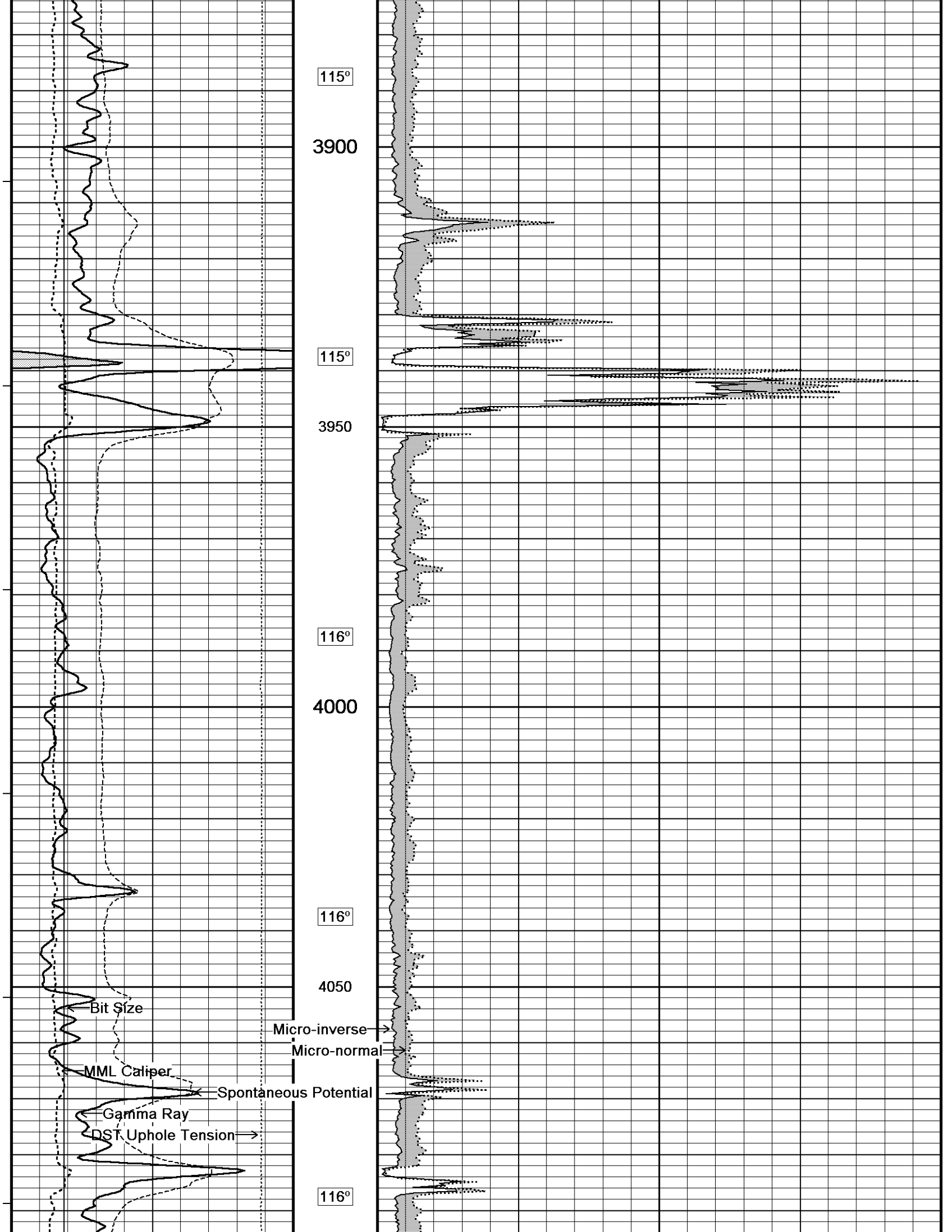
Micro-normal
ohm metres

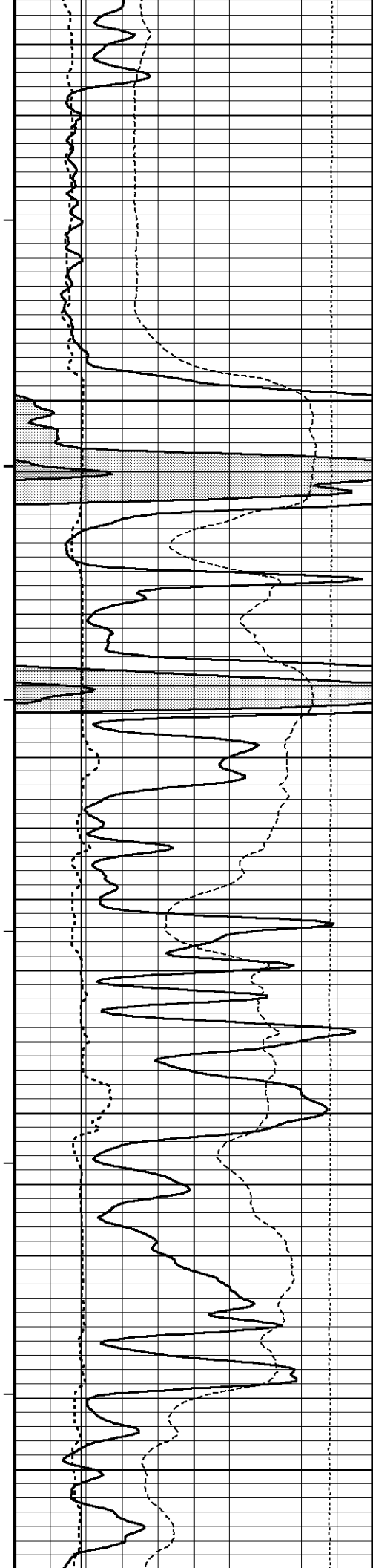
0 10 20 30 40

Micro-inverse
ohm metres

0 10 20 30 40







4100

116°

4150

117°

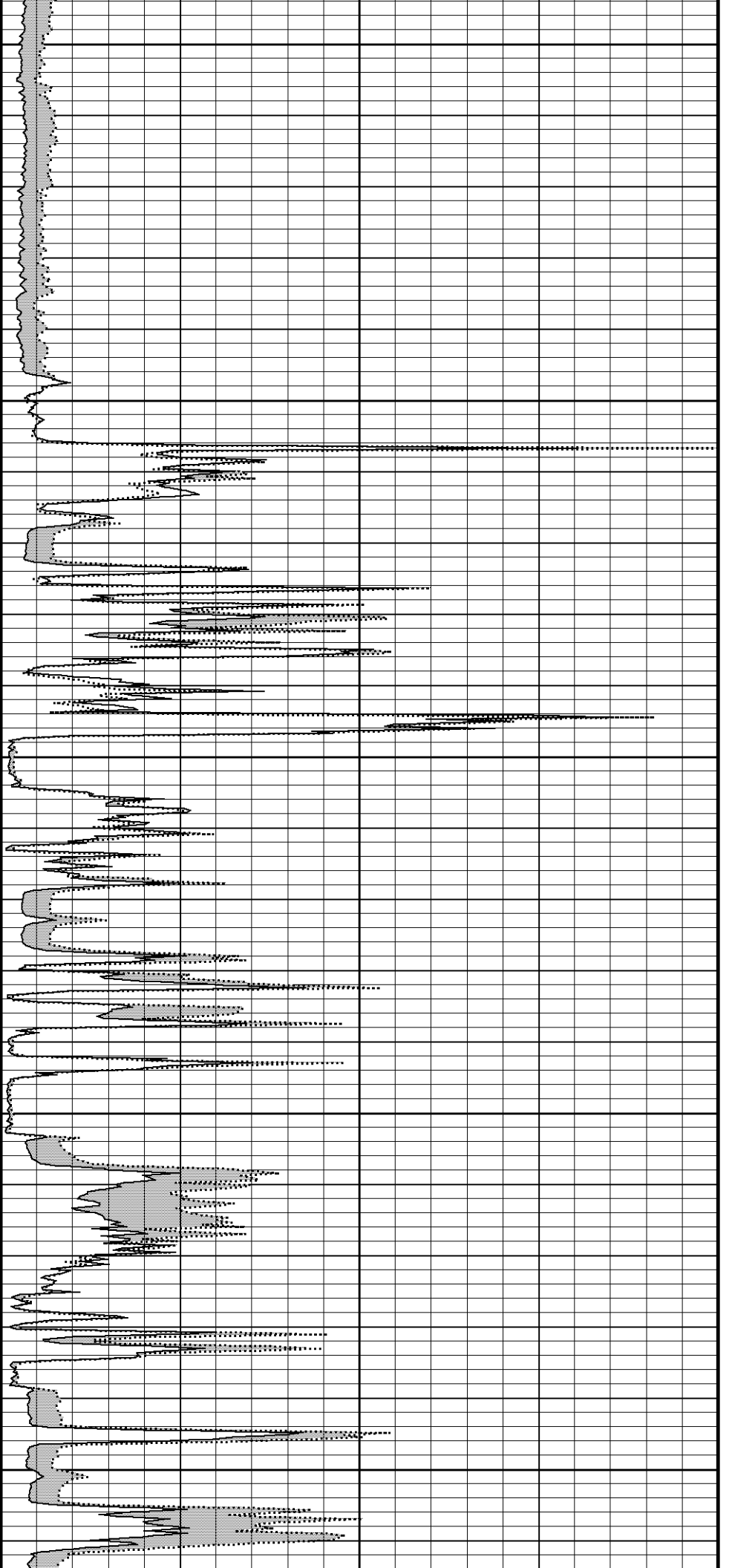
4200

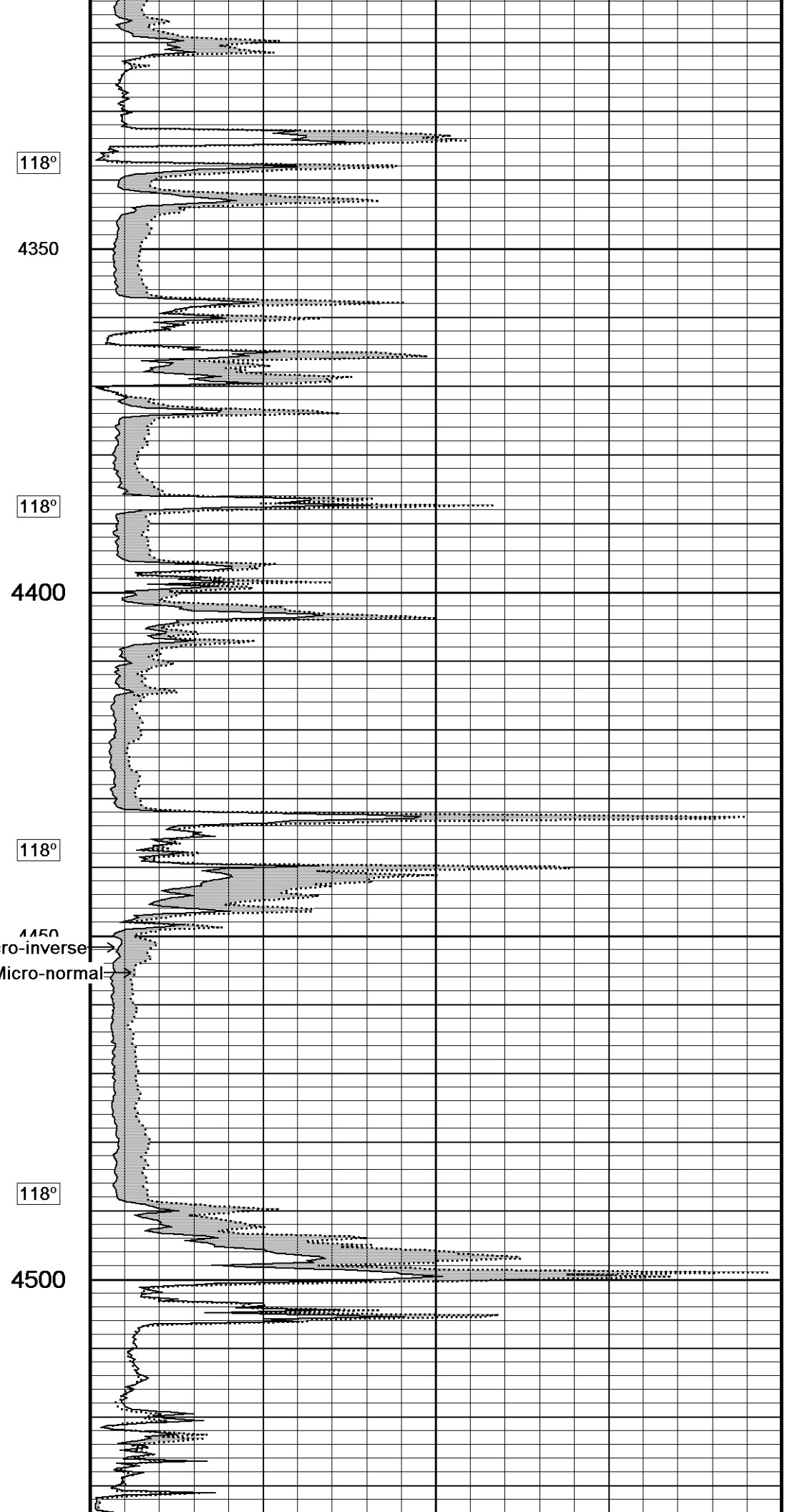
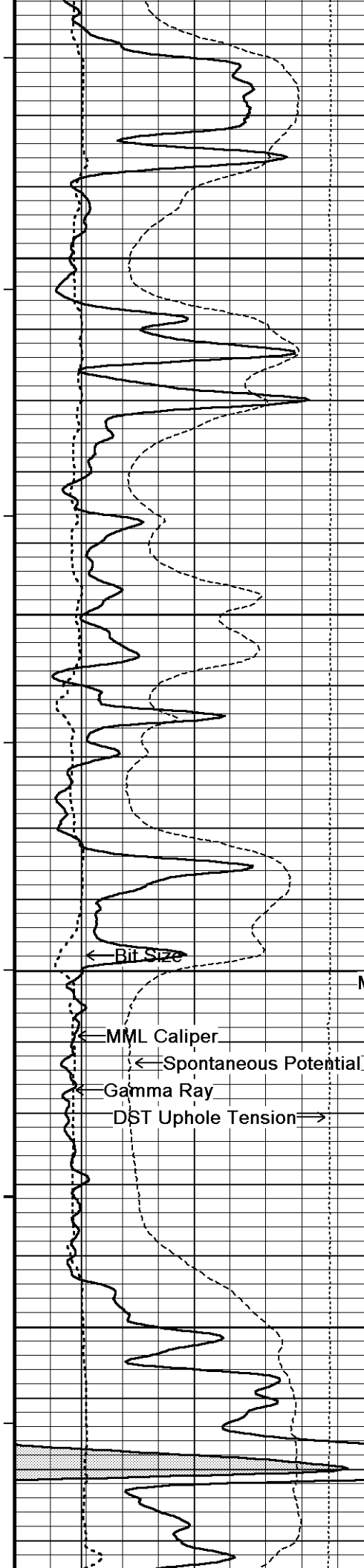
117°

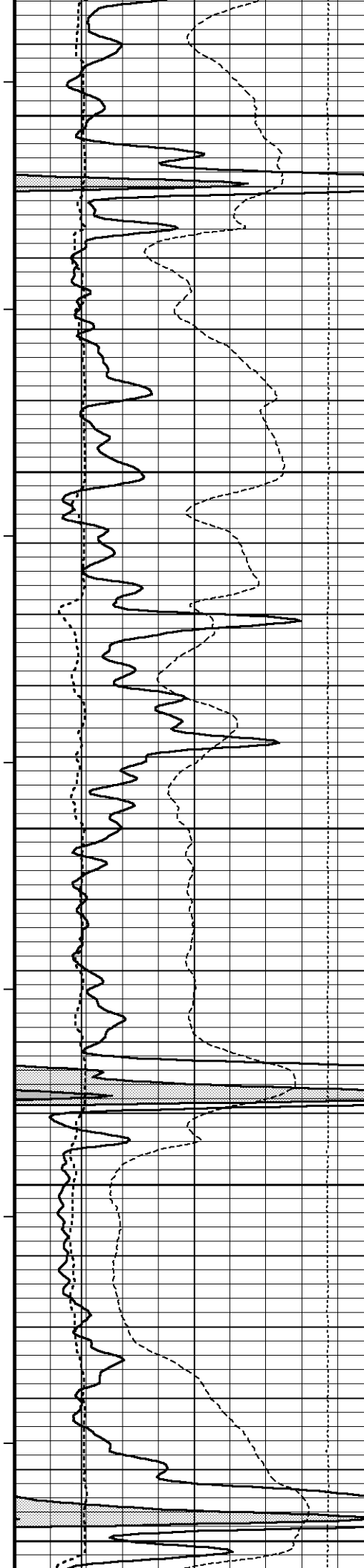
4250

117°

4300







119°

4550

119°

4600

119°

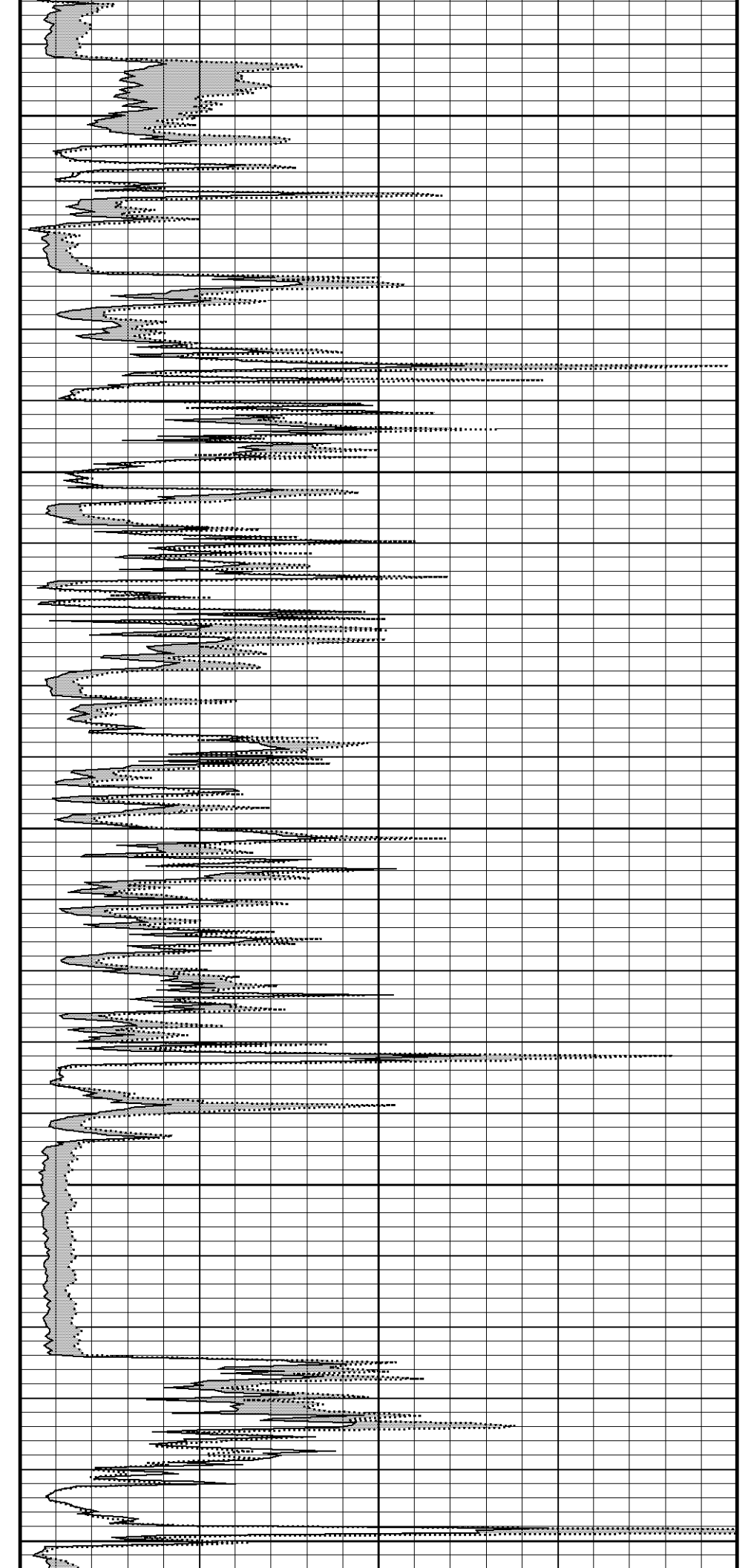
4650

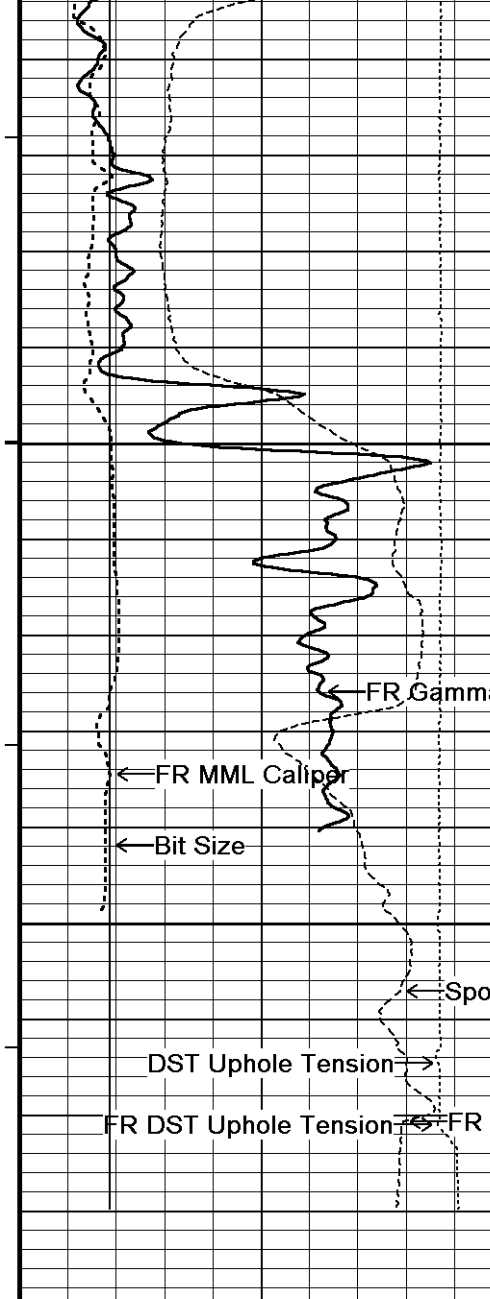
120°

4700

120°

4750





120°

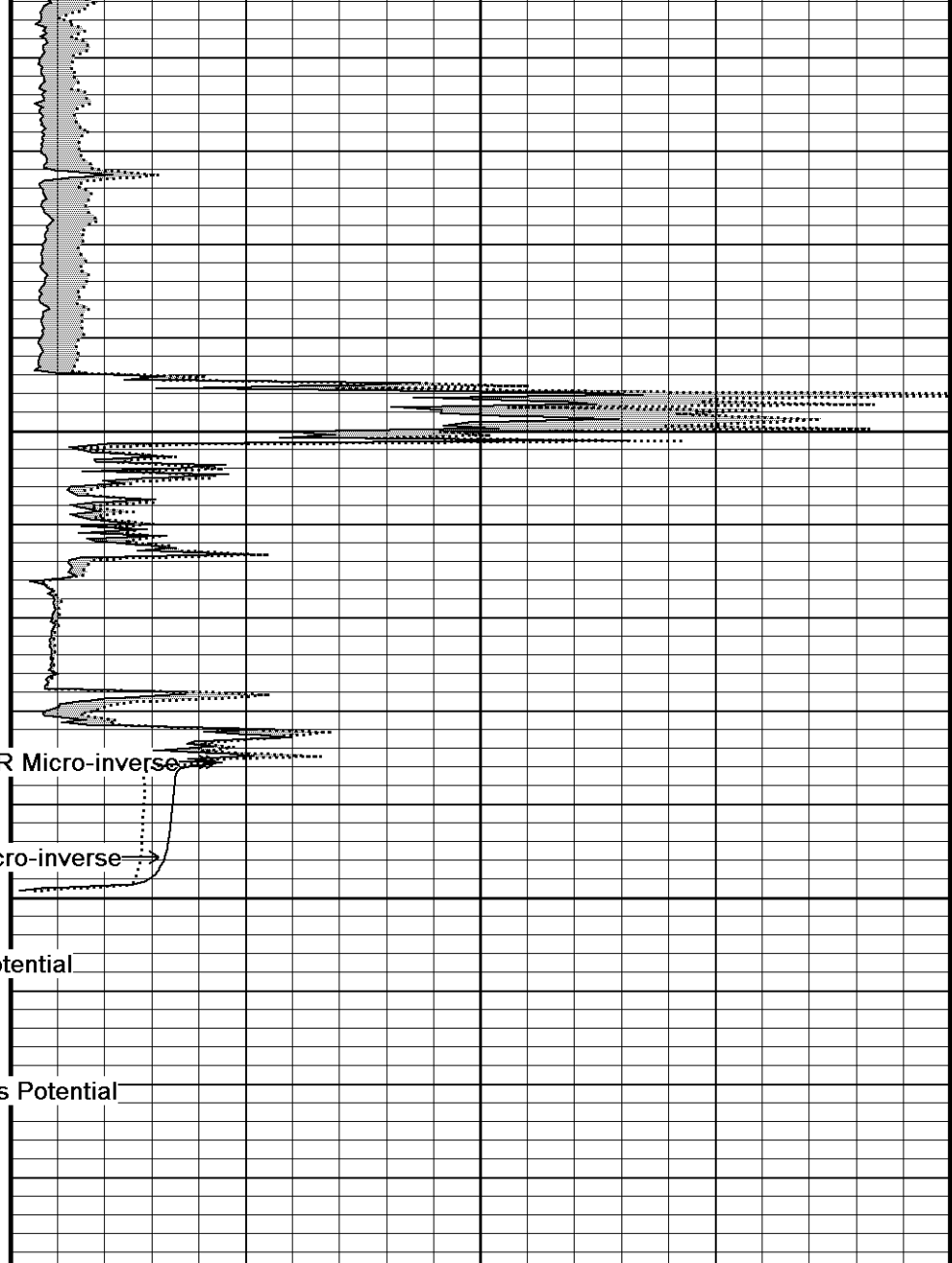
4800

120°

4850

4888

Depth
In
Feet



Timing Marks
every 60.0 sec

Gamma Ray
API
0 75 150

Spontaneous Potential
millivolts
- - -> | 20 | <- - +

MML Caliper
inches
6 11 16

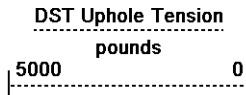
Borehole
Temp in
deg F

Micro-normal
ohm metres

0 10 20 30 40

Micro-inverse
ohm metres

0 10 20 30 40



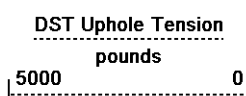
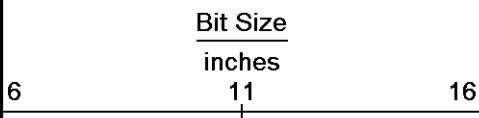
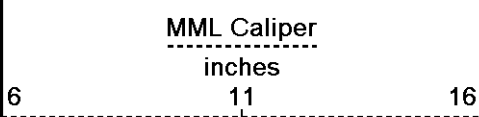
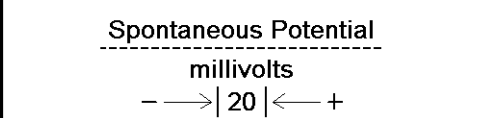
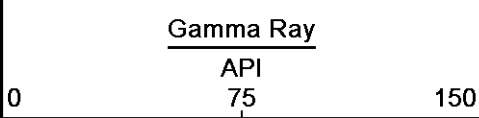
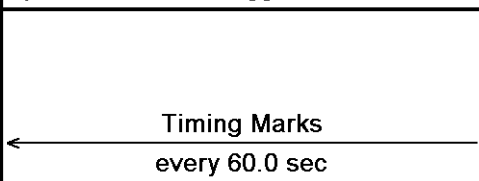
Replay
Scale
1:240

Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 20-JUL-2011 08:47
 Filename: C:\DOCUME~1\scheffj\LOCALS~1\Temp\Weathe...\SCHMIDT-D-#4-29_CSGCHCK_002.dta Recorded on 19-JUL-2011 16:41
 System Versions: Logged with 11.03.2789 Processed with 11.03.2789 Plotted with 12.01.3513

↑ 5 INCH MAIN ↑

↓ REPEAT SECTION ↓

Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 20-JUL-2011 08:47
 Filename: C:\DOCUME~1\scheffj\LOCALS~1\Temp\Weathe...\SCHMIDT-D-#4-29_CSGCHCK_001.dta Recorded on 19-JUL-2011 15:50
 System Versions: Logged with 11.03.2789 Processed with 11.03.2789 Plotted with 12.01.3513

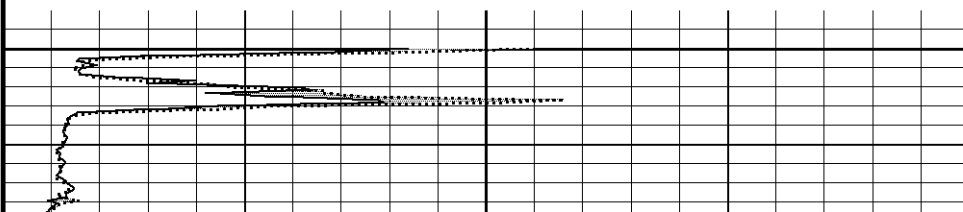
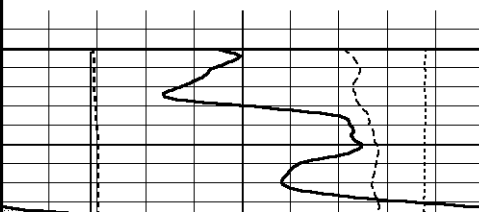
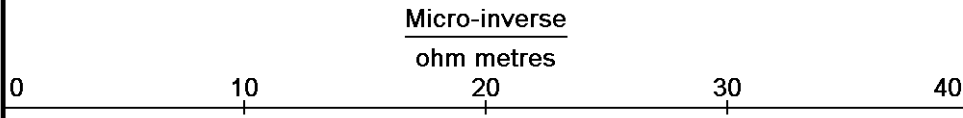
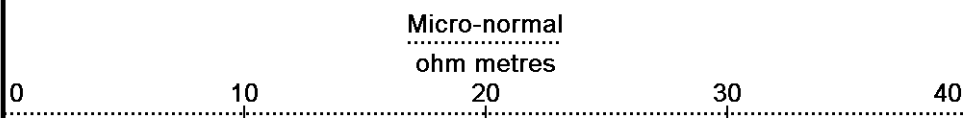


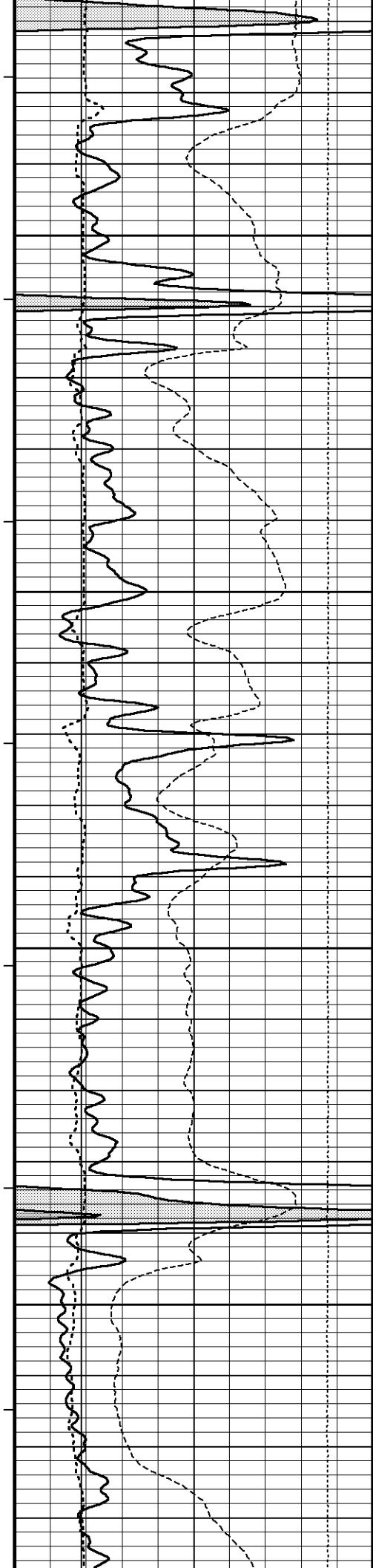
Depth
in
Feet

Borehole
Temp in
deg F

Replay
Scale
1:240

4500





118°

4550

119°

4600

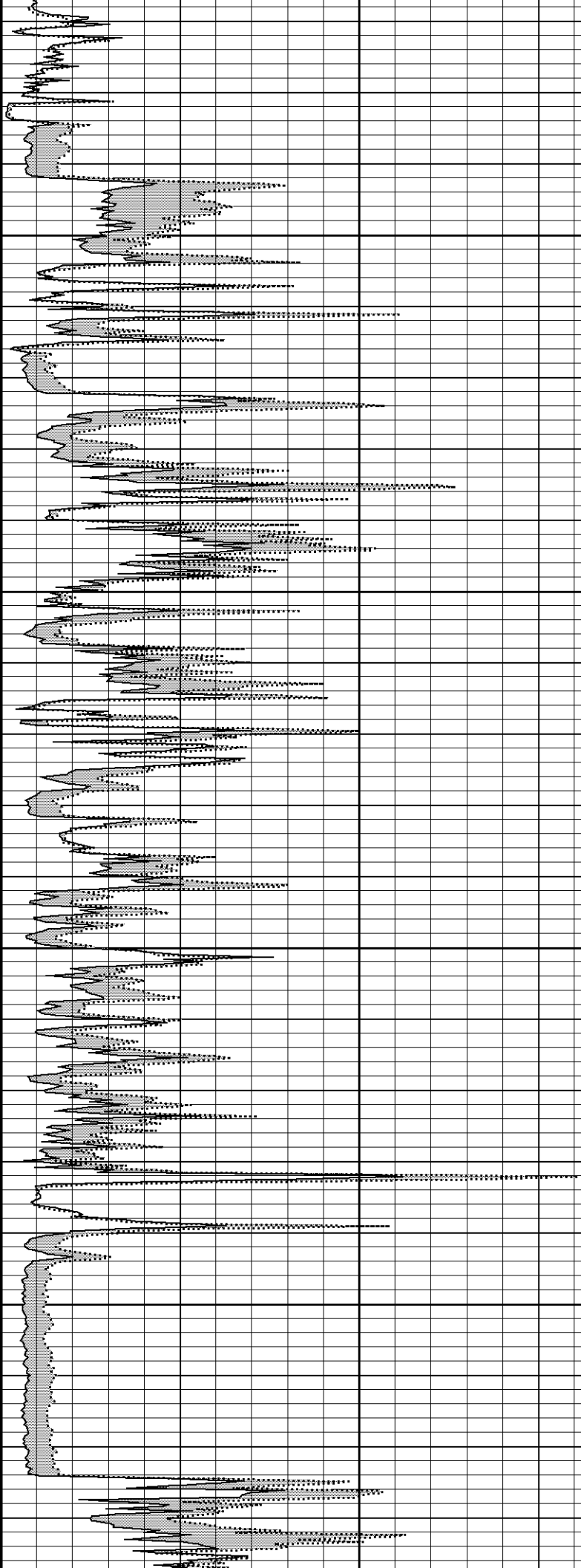
119°

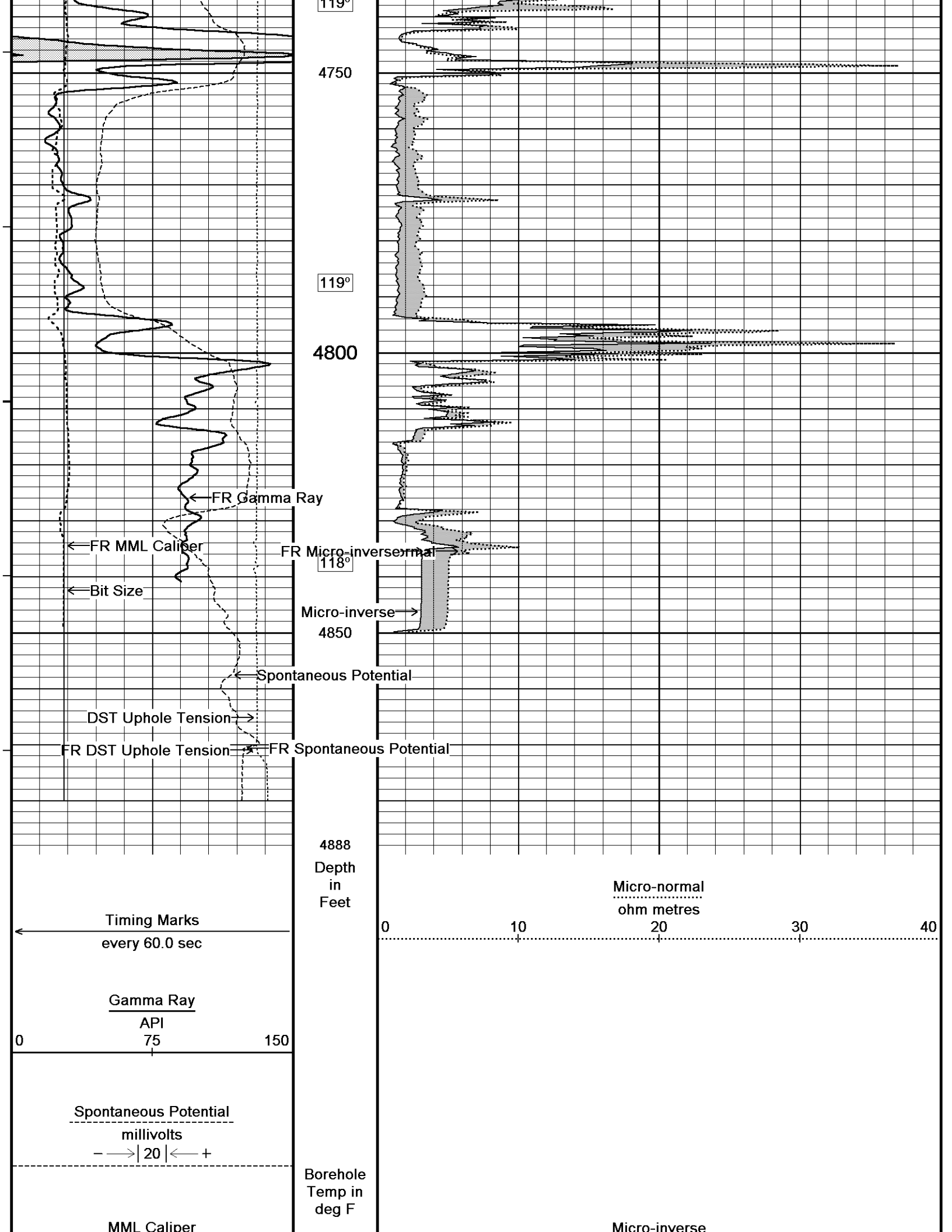
4650

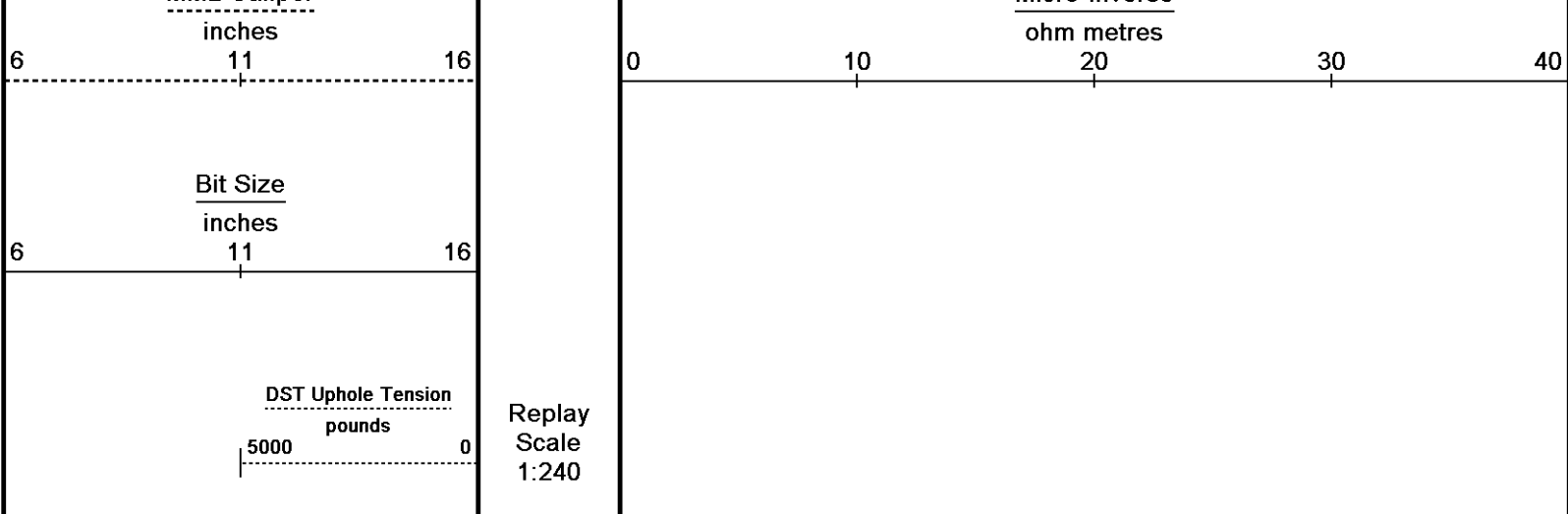
119°

4700

119°







Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 20-JUL-2011 08:47
 Filename: C:\DOCUME~1\scheffj\LOCALS~1\Temp\Weathe... \SCHMIDT-D-#4-29_CSGCHCK_001.dta Recorded on 19-JUL-2011 15:50
 System Versions: Logged with 11.03.2789 Processed with 11.03.2789 Plotted with 12.01.3513

↑ REPEAT SECTION ↑

BEFORE SURVEY CALIBRATION
 C:\DOCUME~1\scheffj\LOCALS~1\Temp\Weatherford PreView\0\SCHMIDT-D-#4-29_CSGCHCK.dta

General Constants All 000 Last Edited on 19-JUL-2011 16:36

General Parameters			
Mud Resistivity	1.140	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	Base Density Porosity		
Resistivity used	Array Ind. One Res Rt		
RWA Constant A	0.610		
RWA Constant M	2.150		

Down-hole Tension Calibration All 000 Field Calibration on 30-JUN-2010 01:00

Reading No	Measured	Calibrated (lbs)
1	14112.01	10.00
2	15164.79	427.00

Down-hole Tension Calibration SMS 0 Field Calibration on 30-JUN-2010 01:00

Reading No	Measured	Calibrated (lbs)
1	14112.01	10.00
2	15164.79	427.00

High Resolution Temperature Calibration MCG-C 139 Field Calibration on 19-JUL-2011 09:50

	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 19 JUL 2011 09:49

Reference 1	Measured	Calibrated (mV)
Reference 2	103.5	100.0
	-96.9	-100.0

Gamma Calibration MCG-C 139

Field Calibration on 19-JUL-2011 09:49

	Measured	Calibrated (API)
Background	67	45
Calibrator (Gross)	1143	770
Calibrator (Net)	1076	725

Gamma Constants MCG-C 139

Last Edited on 19-JUL-2011 16:35

Gamma Calibrator Number	grc38	
Mud Density	1.14	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 30-JUN-2011 17:33

Field Check on 19-JUL-2011 09:50

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 16-JUL-2011 15:39

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 30-JUN-2011 17:22

Field Calibration on 19-JUL-2011 09:50

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	14119	5.98
2	17415	7.97
3	20689	9.86
4	24692	11.92
5	0	0.00
6	N/A	N/A

Field Calibration

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

Neutron Calibration MDN-A.B 66

Base Calibration on 30-JUN-2011 18:46

Field Check on 19-JUL-2011 09:50

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	3227	102	3714	110
Ratio	31.653		33.764	

Field Calibrator at Base

	Calibrated (cps)	
	1604	2288
Ratio	0.701	

Field Check

	Calibrated (cps)	
	1595	2263
Ratio	0.705	

Neutron Constants MDN-A.B 66

Last Edited on 16-JUL-2011 15:39

Neutron Source Id	P58125B
Neutron Jig Number	5824NE

Epithermal Neutron	No		
Caliper Source for Processing	Density Caliper		
Stand-off	0.00	inches	
Mud Density	1.00	gm/cc	
Limestone Sigma	7.10	cu	
Sandstone Sigma	4.26	cu	
Dolomite Sigma	4.70	cu	
Formation Pressure Source	Constant Value		
Formation Pressure	0.00	kpsi	
Temperature Source	MCG External Temperature		
Temperature	20.00	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 30-JUN-2011 16:35
Field Check on 19-JUL-2011 09:51

Base Calibration		
	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	964.4	126.8
Base Check		279.9
Field Check		280.1

FE Constants MFE-A.A 52

Last Edited on 16-JUL-2011 16:54

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 19-JUL-2011 09:51

	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
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Induction Calibration MAI-A.A 167

Base Calibration on 11-MAR-2011 09:58
Field Check on 19-JUL-2011 09:51

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	0.0	0.0	14.1	3836.5	
2	0.0	0.0	29.8	3472.9	
3	0.0	0.0	29.2	3049.0	
4	0.0	0.0	19.7	2078.8	
Deep	0.0	0.0	18.6	2046.1	
Medium	0.0	0.0	42.2	3985.7	
Shallow	0.0	0.0	43.4	5048.5	
Array Temperature		0.0		90.6	Deg F

Induction Constants MAI-A.A 167

Last Edited on 19-JUL-2011 16:33

Induction Model	RtAP-WBM		
Caliper for Borehole Corr.	Density Caliper		
Hole Size for Borehole Correction	N/A	inches	
Tool Centred	No		
Stand-off Type	Fins		
Stand-off	0.50	inches	
Number of Fins on Stand-off	8.0000		
Stand-off Fin Angle	45.00	degrees	
Stand-off Fin Width	0.5000	inches	
Borehole Corr. Rm Source	Temperature Corr		
Temp. for Rm Corr.	MCG External Temperature		
Squasher Start	0.0020	mhos/metre	
Squasher Offset	N/A	mhos/metre	

Borehole Normalisation

DRM1	0.0000	DRC1	0.0000
DRM2	0.0000	DRC2	0.0000
MRM1	0.0000	MRC1	0.0000
MRM2	0.0000	MRC2	0.0000
SRM1	0.0000	SRC1	0.0000
SRM2	0.0000	SRC2	0.0000

Calibration Site Corrections

Channel 1	0.00	mmhos/metre
Channel 2	0.00	mmhos/metre
Channel 3	0.00	mmhos/metre
Channel 4	0.00	mmhos/metre

Apparent Porosity and Water Saturation Constants

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

Caliper Calibration MPD-B 35

Base Calibration on 11-JUL-2011 11:31
Field Calibration on 19-JUL-2011 09:51

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	19039	3.99
2	29274	5.98
3	39568	7.97
4	49173	9.86
5	60065	11.92
6	N/A	N/A

Field Calibration

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

Photo Density Calibration MPD-B 35

Base Calibration on 11-JUL-2011 11:49
Field Check on 19-JUL-2011 09:51

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	57974	27718	59556	30836
Reference 2	23445	2602	24941	2541

Field Check at Base

1165.1	1390.6
--------	--------

Field Check

1169.8	1387.5
--------	--------

PE Calibration

Base Calibration	Measured	Calibrated
WS	WH	Ratio
Background	207	1031

Reference 1	21348	57768	0.373	0.371
Reference 2	6208	23295	0.270	0.272

Field Check at Base
207.5 1031.2

Field Check
208.6 1029.9

Density Constants MPD-B 35

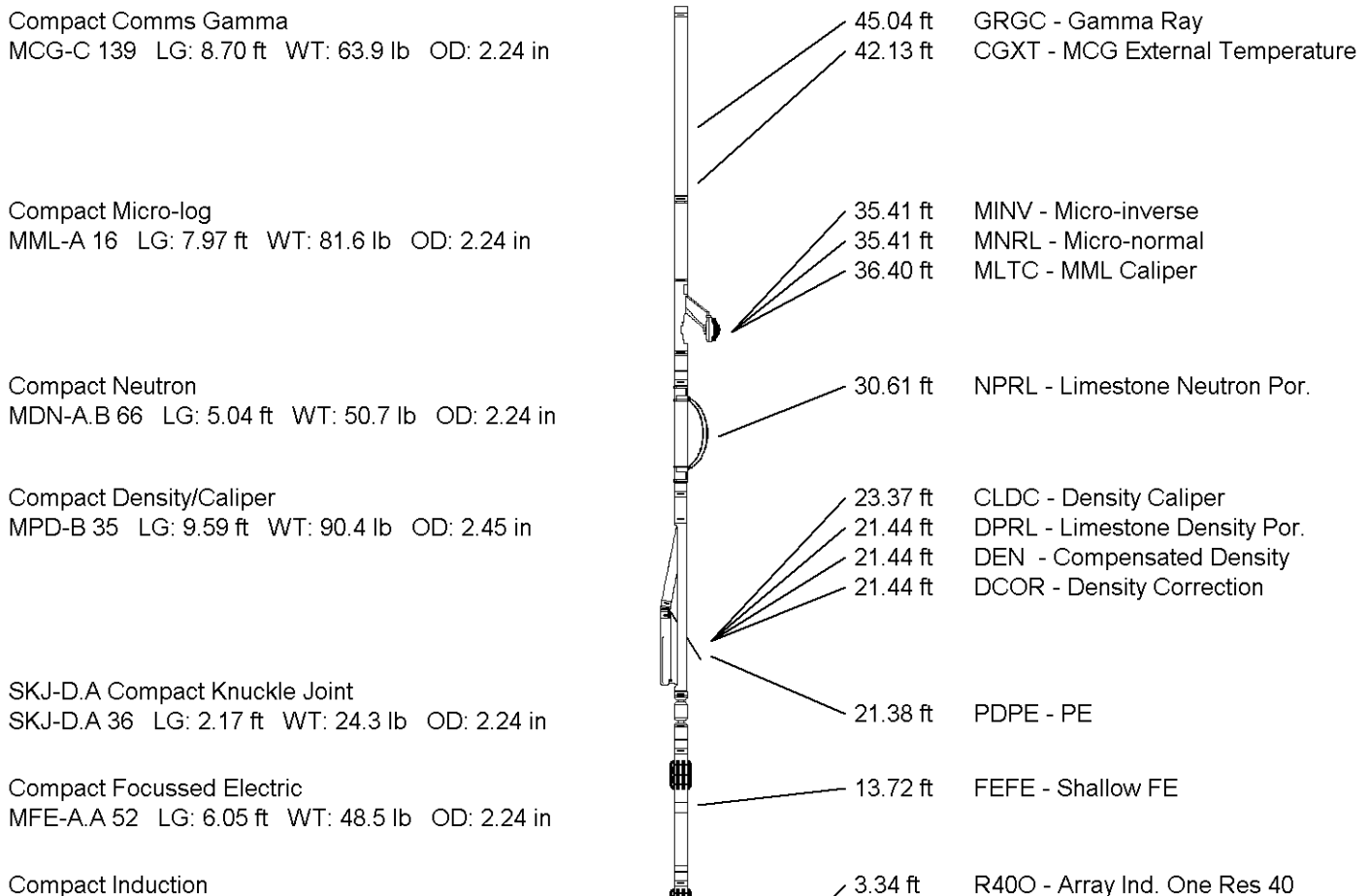
Last Edited on 19-JUL-2011 16:34

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	1.14	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\scheffj\LOCALS~1\Temp\Weatherford PreView\0\SCHMIDT-D-#4-29_CSGCHK.dta



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

Total Length: 50.32 ft Weight: 407.9 lb



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
 All measurements relative to tool zero.

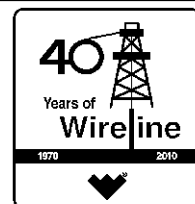
COMPANY	MCCOY PETROLEUM
WELL	SCHMIDT -D- #4-29
FIELD	LETTE SE
PROVINCE/COUNTY	HASKELL
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing	2855.00	feet	First Reading		feet
Elevation Drill Floor	2854.00	feet	Depth Driller	4870.00	feet
Elevation Ground Level	2842.00	feet	Depth Logger	4871.00	feet



Weatherford[®]

MICRORESISTIVITY LOG





BASIC
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer	McCom Petroleum	Lease No.		Date	7-11-11
Lease	Schmidt 0	Well #	4-29	Service Receipt	02063
Casing	4" 21#	Depth	1879.30'	County	Haskell
Job Type	242-858 Surface	Formation		State	KS
				Legal Description	29-30-31

Pipe Data		Perforating Data		Cement Data
Casing size	75/8" 24#	Tubing Size		Lead
Depth	1879.30'	Depth	From To	450 sk A Con
Volume	117 bbl	Volume	From To	
Max Press	2500#	Max Press	From To	Tail in
Well Connection	10-1579	Annulus Vol	From To	150 sk Premium Plus
Plug Depth	33-42.24' (1837.06)	Packet Depth	From To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:00					on loc. site assessment
8:10					spot tanks - rig up
10:00					start casing float equip
2:00					CSG run from wire on bottom 30 in
2:05					start injection / CSA
2:30					pressure test @ 2500#
2:57	100		238	6.5	Mix & pump 450 sk A Con w/ 3% CC, 1/2" polyflake, 2% WCA 2.96 @ 3/sk, 1.24 @ 1/sk @ 11.4#
3:50	120		36	6	run to tail cut 150 sk Premium Plus w/ 2% CC, 1/2" polyflake 1.34 @ 3/sk, 6.33 @ 1/sk @ 11.4#
4:00	0		0	6	drop plug, drop CSG
4:25	700		107	2	string stuck 10' up drop
4:30	1100		117	0	land plug, circ cut to surface job complete

Service Units	24726	271102	11355-14784	11354-119578
Driver Names	A. Sierra	T. Gilman	S. Chavez	J. Martinez

Colvin
Customer Representative

J. Bennett
Station Manager

A. Sierra
Cementer



BASIC
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer: <u>McCoy Petroleum</u>	Lease No.	Date: <u>7-20-11</u>
Lease: <u>Schmidt D</u>	Well #: <u>4-29</u>	Service Receipt: <u>12010</u>
Casing: <u>4 1/2" OD</u> Depth	County: <u>Haskell</u>	State: <u>KS</u>
Job Type: <u>744-OTA</u>	Formation	Legal Description: <u>29-30-31</u>

Pipe Data		Perforating Data		Cement Data
Casing size: <u>4 1/2" OD</u>	Tubing Size	Shots/Ft		Lead: <u>170 sk</u> <u>60/40 Poz w/</u> <u>4% Grel</u>
Depth	Depth: <u>IRB</u>	From	To	
Volume	Volume	From	To	Tail in
Max Press	Max Press	From	To	
Well Connection	Annulus Vol.	From	To	
Plug Depth	Packer Depth	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1:30					on loc. - site assessment
1:35					spot trucks - rig up
3:30					safety meeting
3:30					circ hole @ 1910'
3:35	100		13.4	3	mix + pump 50 sk 60/40 Poz w/ 4% Grel
					1.50 ft 3/4 sk, 7.50 w/sk @ 13.5' pm
3:47	100		13.9	3	disp balanced plug
3:50					circ @ 600'
4:45	50		13.4	3	mix + pump 50 sk 60/40 Poz
4:52	50		5.3	3	disp balanced plug
4:55					circ @ 60'
6:00			5.3	3	mix + pump 20 sk 60/40 Poz
6:05					circ cont to surface
6:15			8	3	plug rat hole w/ 30 sk
6:30			5.3	3	moose hole w/ 50 sk
					job complete

Service Units	<u>31776</u>	<u>27808-10573-11354-19578</u>
Driver Names	<u>K. Sroky</u>	<u>T. Gibson</u>

Customer Representative: Allan
Station Manager: J. Bennett
Cementer: A. Rivera
Taylor Printing, Inc.

