



**Weatherford**<sup>®</sup>

**COMPOSITE LOG  
DENSITY / NEUTRON  
INDUCTION / MICRO-LOG**

**COMPANY TAOS RESOURCES OPERATING COMPANY, LLC  
WELL BROTHERS DAIRY 36-1  
FIELD BURDEN**

**PROVINCE/COUNTY COWLEY**

**COUNTRY/STATE USA / KANSAS**

**LOCATION 330' FSL & 330' FEL OF C SE SE SE**

**SEC TWP RGE** Other Services  
MSS

**API Number 15-035-24542**

**Permanent Datum GL, Elevation 1365 feet**

**Log Measured From KB**

**Drilling Measured From KB**

**Elevations:**  
KB 1374.00 feet  
DF 1372.00  
GL 1365.00

**Date 24-NOV-2013**

**Run Number ONE**

**Service Order 3545999**

**Depth Driller 3606.00 feet**

**Depth Logger 3606.00 feet**

**First Reading 3603.00 feet**

**Last Reading 261.00 feet**

**Casing Driller 262.00 feet**

**Casing Logger 261.00 feet**

**Bit Size 7.875 inches**

**Hole Fluid Type WBM**

**Density / Viscosity 9.30 lb/USg 41.00 CP**

**PH / Fluid Loss 9.50 8.00 ml/30Min**

**Sample Source MUD TANK**

**Rm @ Measured Temp 3.10 @ 73.0 ohm-m**

**Rmf @ Measured Temp 2.48 @ 73.0 ohm-m**

**Rmc @ Measured Temp 3.72 @ 73.0 ohm-m**

**Source Rmf / Rmc CALC CALC**

**Rm @ BHT 2.11 @ 107.0 ohm-m**

**Time Since Circulation 3 HOURS**

**Max Recorded Temp 111.00 deg F**

**Equipment / Base 13145 OKC**

**Recorded By JIM SCHULER**

**Witnessed By DAVID GRIFFITH**

**BLAKE JOHNSON**

**BOREHOLE RECORD**

Last Edited: 24-NOV-2013 12:29

Bit Size inches	Depth From feet	Depth To feet
7.875	262.00	3606.00

**CASING RECORD**

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	262.00	24.00

**REMARKS**

WLS 13.06.9804

DEPTH CONTROL: CALIBRATED MEASURING WHEEL.

TOOLS RAN: MCG, MML, MDN, MPD, MFE, MSS, MAI RAN IN COMBINATION.

HARDWARE:  
 MAI: TWO 0.5 INCH STANDOFFS USED.  
 MFE: ONE 0.5 INCH STANDOFF USED.  
 MSS: THREE 0.5 INCH STANDOFFS USED.  
 MDN: DUAL NEUTRON BOW SPRINGS USED.  
 MPD: 8 INCH PROFILE PLATE USED.

2.71 G/CC DENSITY MATRIX USED TO CALCULATE POROSITY.  
 ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST.

TOTAL HOLE VOLUME FROM TD TO 261' = 1353 CU.FT.  
 ANNULAR HOLE VOLUME WITH 5.5 INCH PRODUCTION CASING FROM TD TO 261' = 802 CU.FT.

SERVICE ORDER # 3545999

RIG: VAL DRILLING, RIG # 3

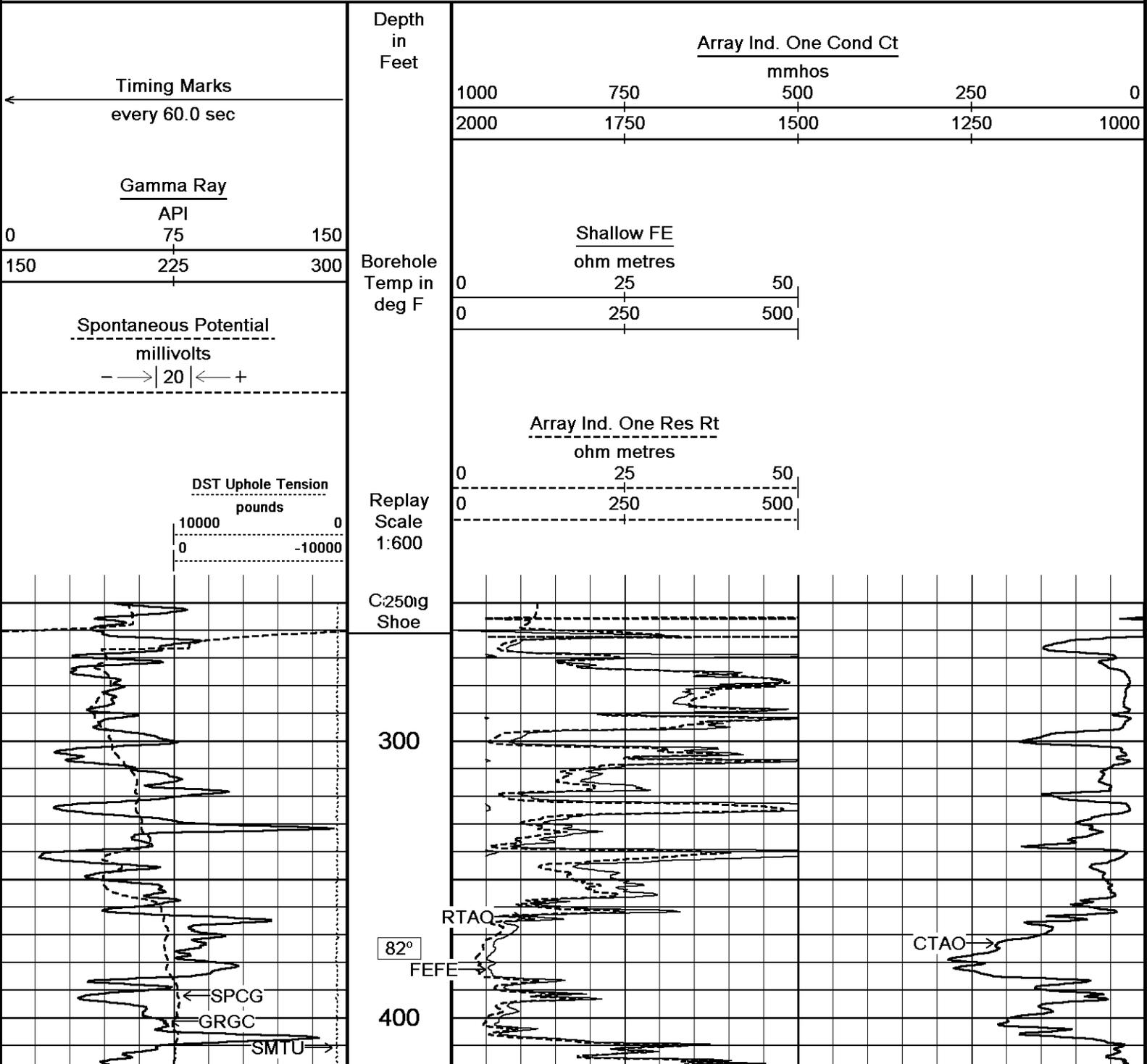
OPERATOR(S): JASON TURNER

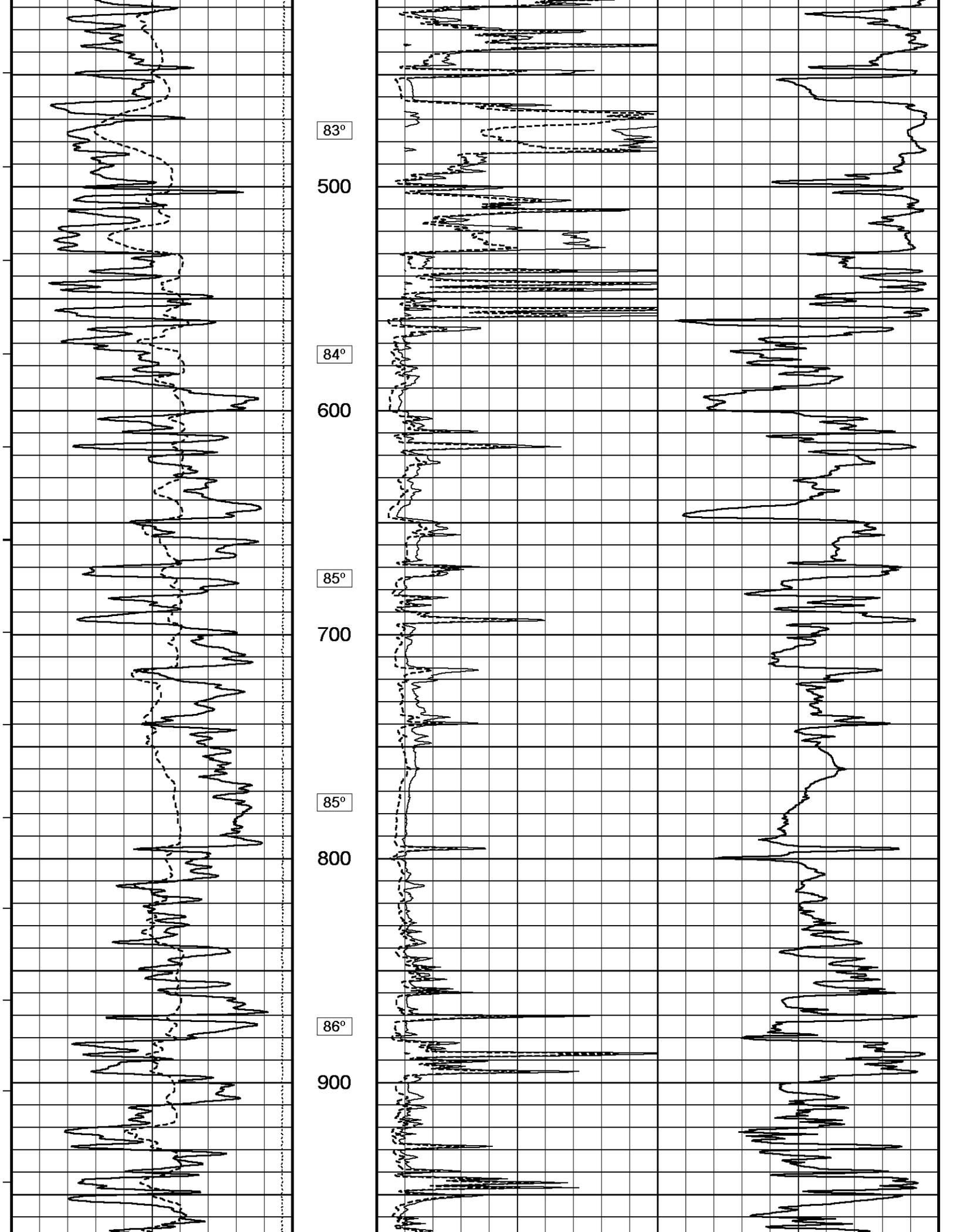
\*HOLE WASHOUTS AND RUGOSITY WILL AFFECT LOG QUALITY AND REPEATABILITY\*

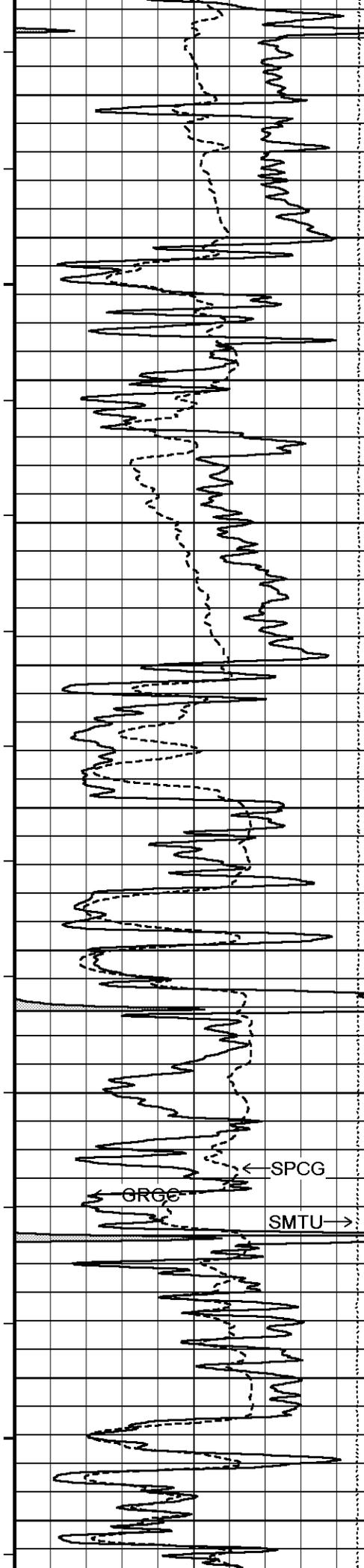
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, 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 LOG 1:600

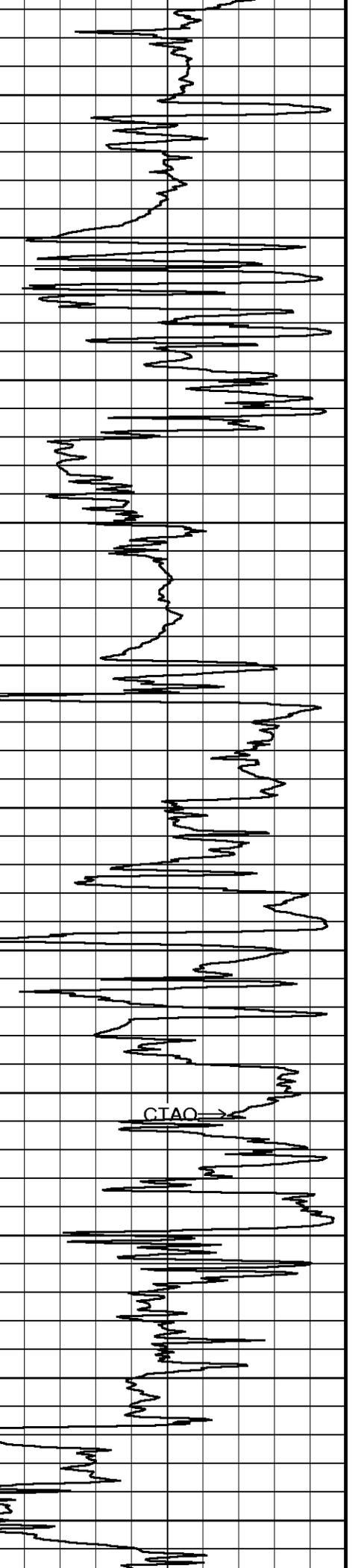
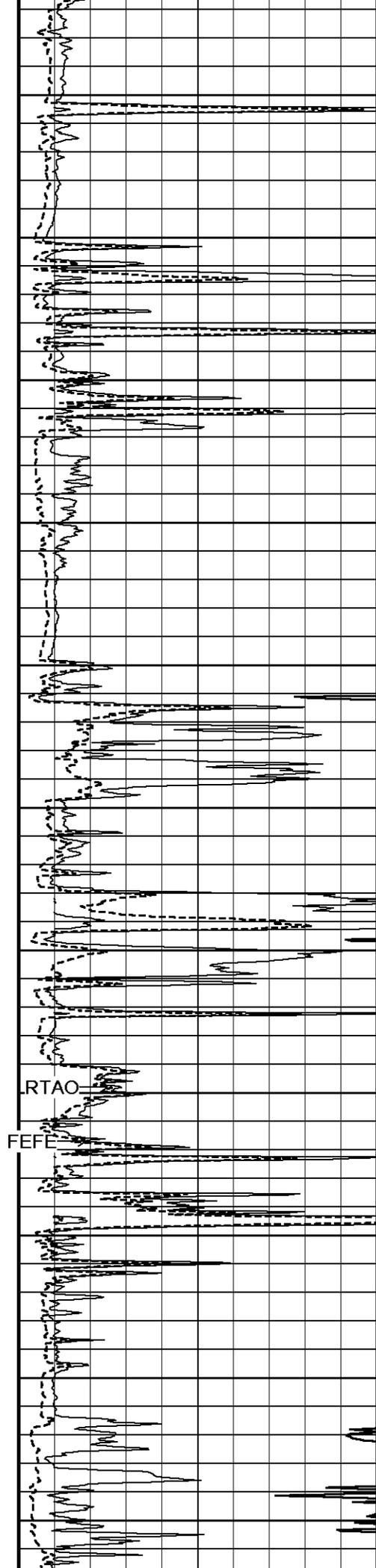
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Plotted on 24-NOV-2013 22:57  
Filename: C:\Program Files\Weatherford\WLS 13.06\DATA\Taos Brothers Dairy 36-1\MAIN\_003.dta  
Recorded on 24-NOV-2013 14:48  
System Versions: Logged with 13.06.9804 Processed with 13.06.9804 Plotted with 13.06.9804





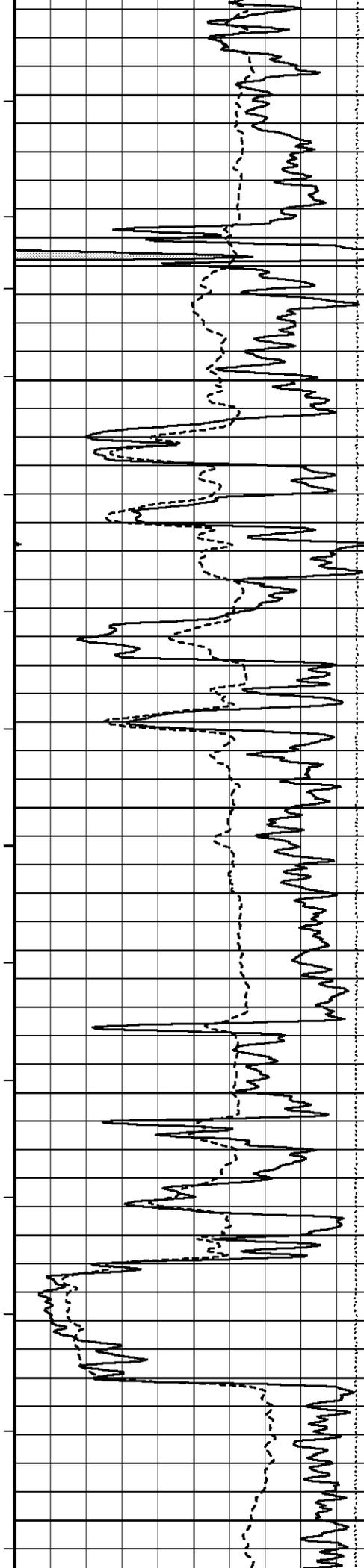


87°  
1000  
88°  
1100  
89°  
1200  
89°  
1300  
90°  
1400  
91°  
1500



RTAO  
FEF

CIAO



92°

1600

93°

1700

94°

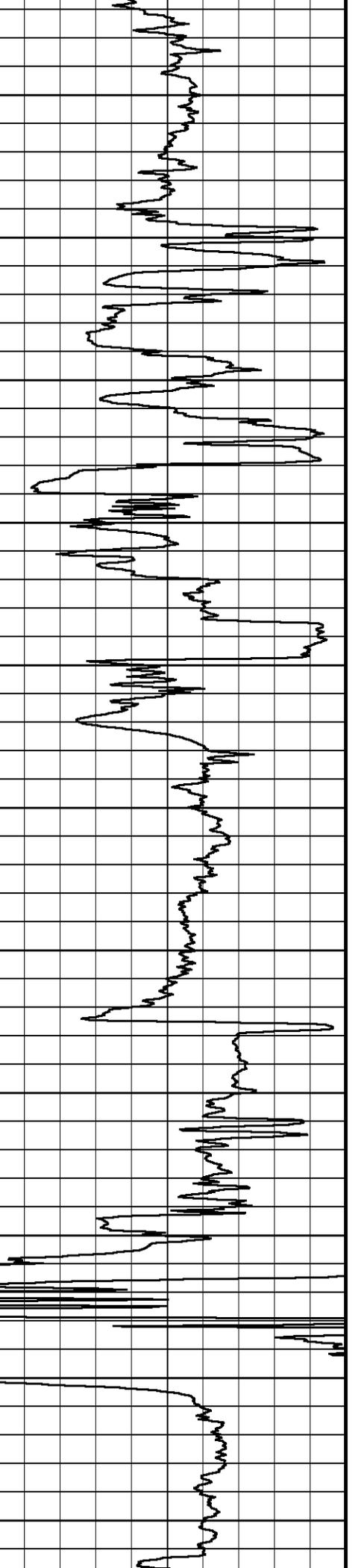
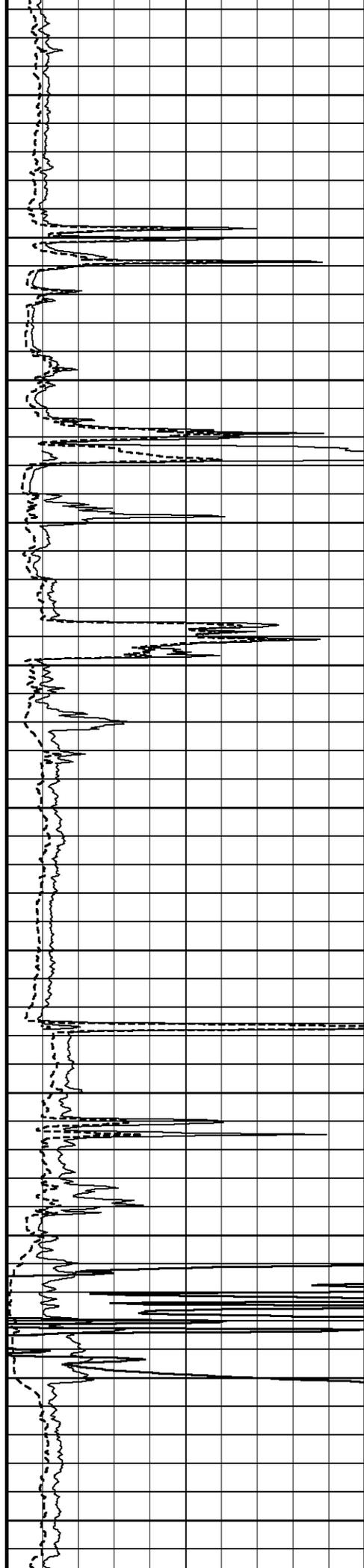
1800

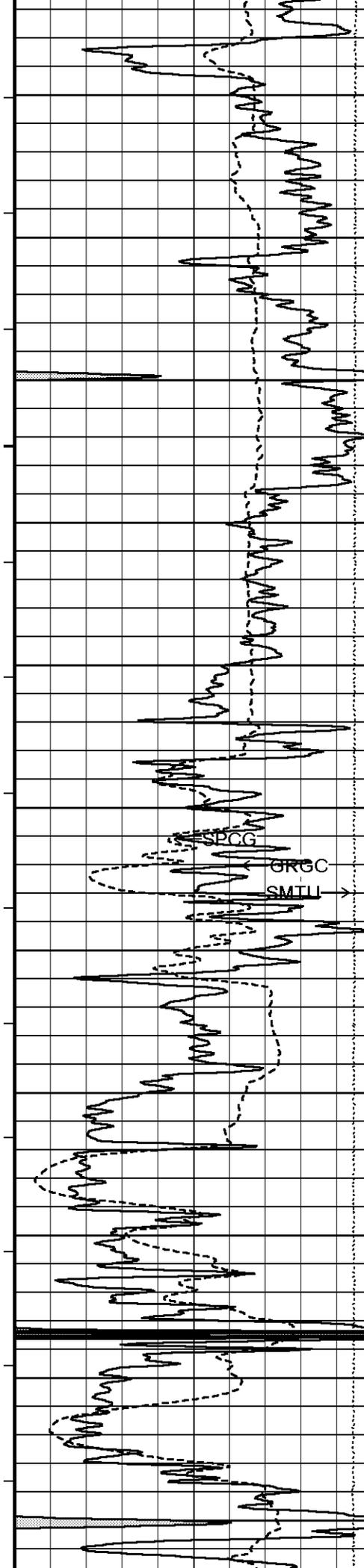
95°

1900

96°

2000





97°

2100

98°

2200

99°

2300

RTAO

FEFE

100°

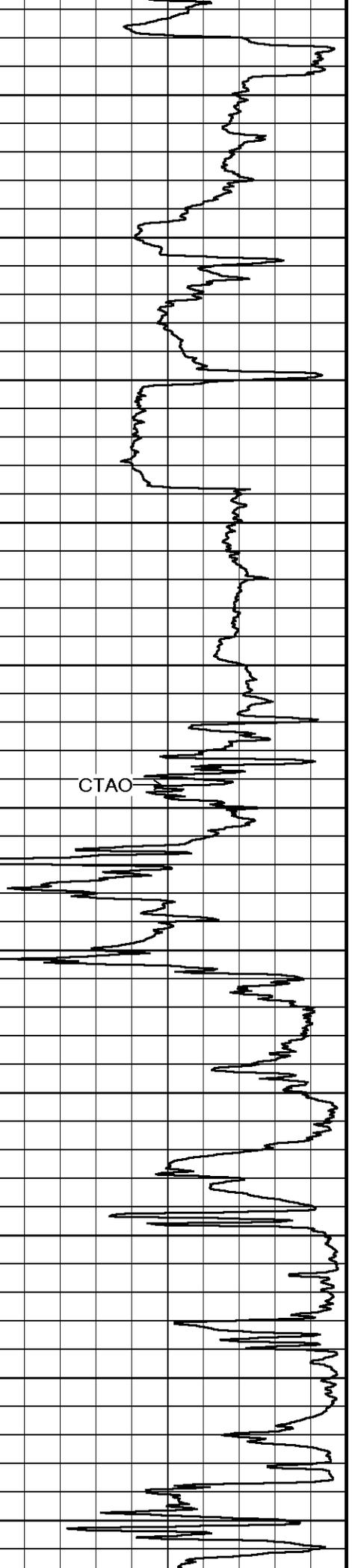
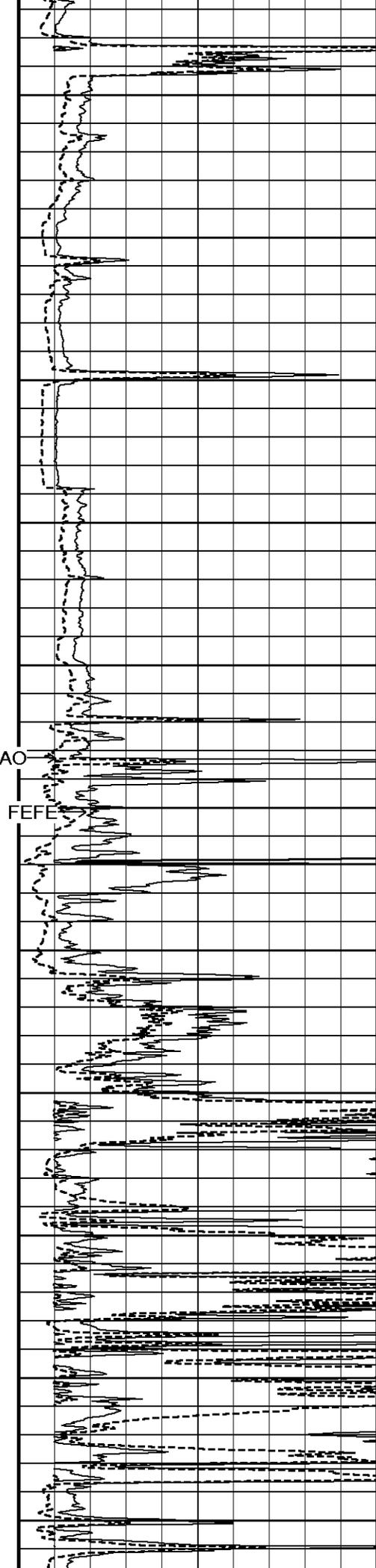
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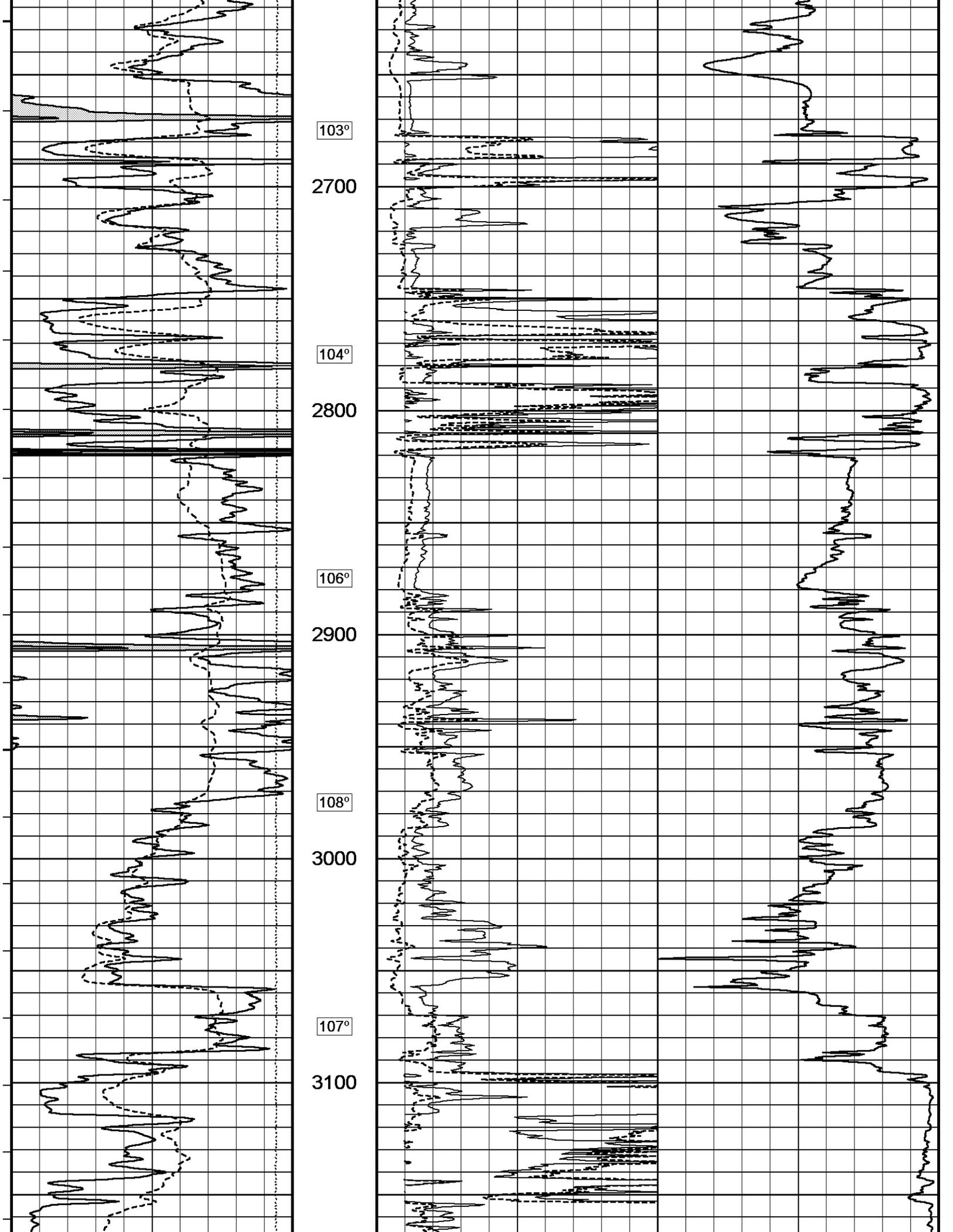
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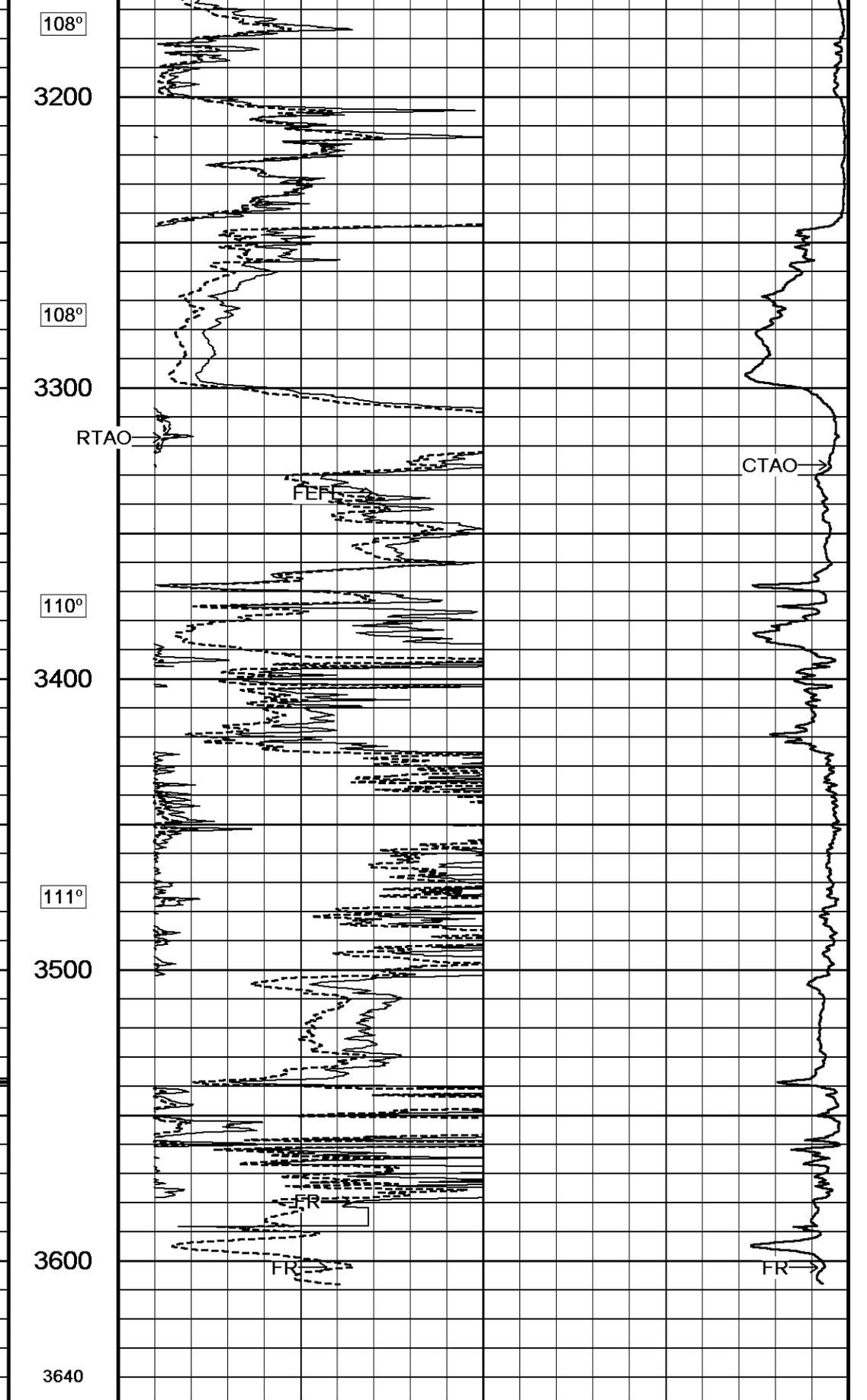
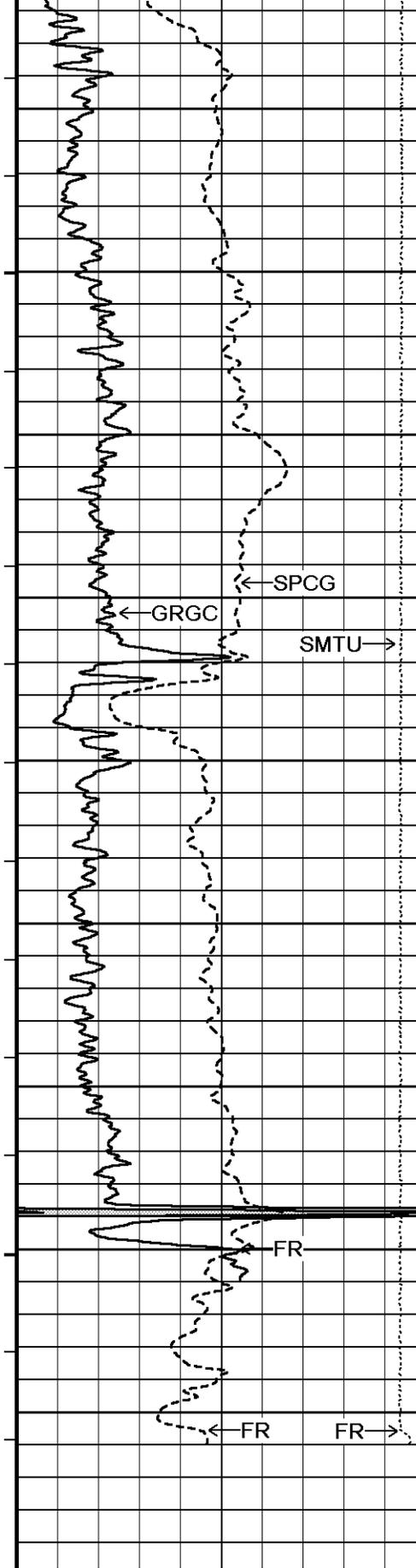
2500

101°

2600





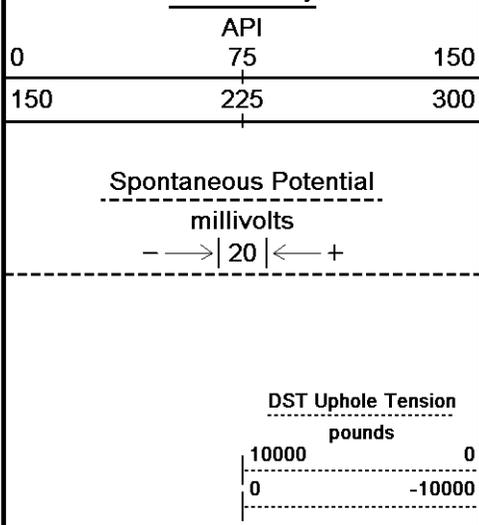


Timing Marks  
every 60.0 sec

Gamma Ray

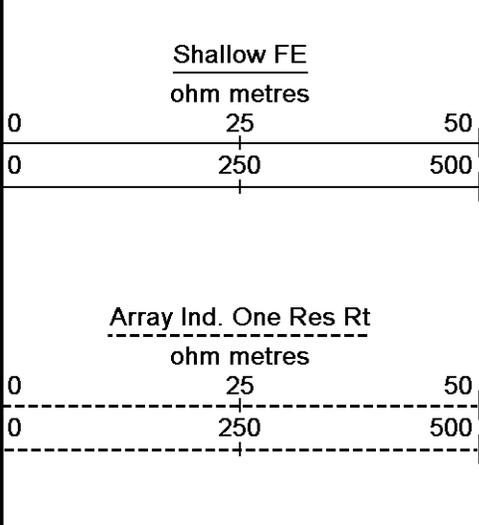
Depth  
in  
Feet

Array Ind. One Cond Ct				
mmhos				
1000	750	500	250	0
2000	1750	1500	1250	1000



Borehole Temp in deg F

Replay Scale 1:600

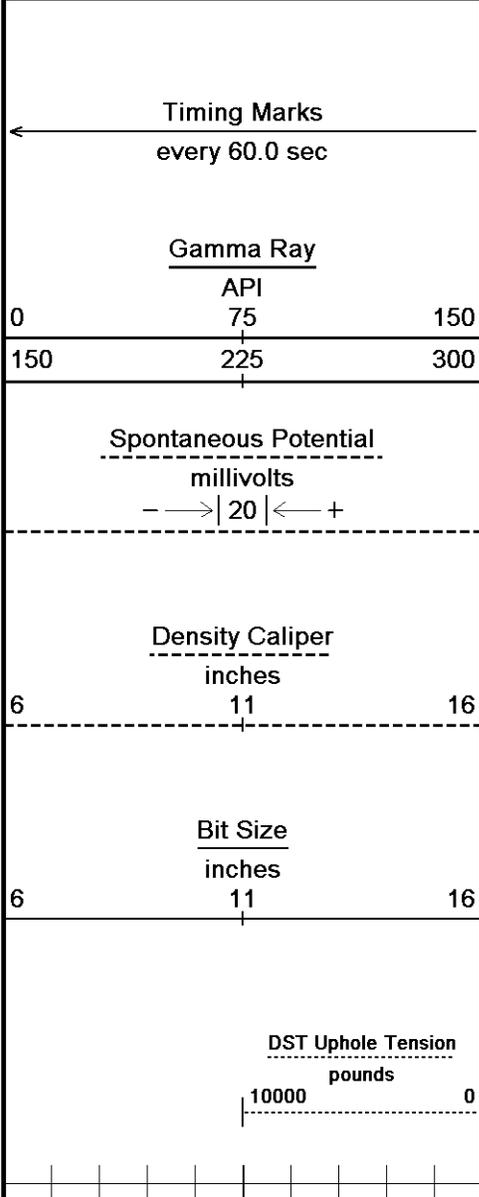


Depth Based Data - Maximum Sampling Increment 10.0cm  
 Plotted on 24-NOV-2013 22:57  
 Filename: C:\Program Files\Weatherford\WLS 13.06\DATA\Taos Brothers Dairy 36-1\MAIN\_003.dta  
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↑ 2 INCH MAIN LOG 1:600 ↑

↓ 10 INCH MAIN PASS 1:240 ↓

Depth Based Data - Maximum Sampling Increment 2.5cm  
 Plotted on 24-NOV-2013 22:57  
 Filename: C:\Program Files\Weatherford\WLS 13.06\DATA\Taos Brothers Dairy 36-1\MAIN\_001.dta  
 Recorded on 24-NOV-2013 13:34  
 System Versions: Logged with 13.06.9804 Processed with 13.06.9804 Plotted with 13.06.9804



Depth in Feet

Borehole Temp in deg F

MNRL

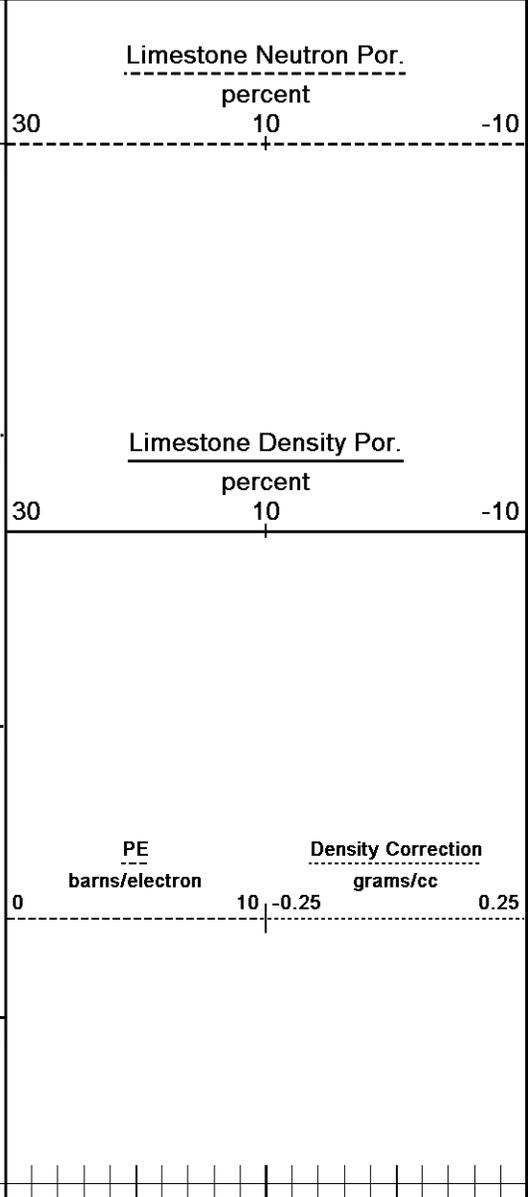
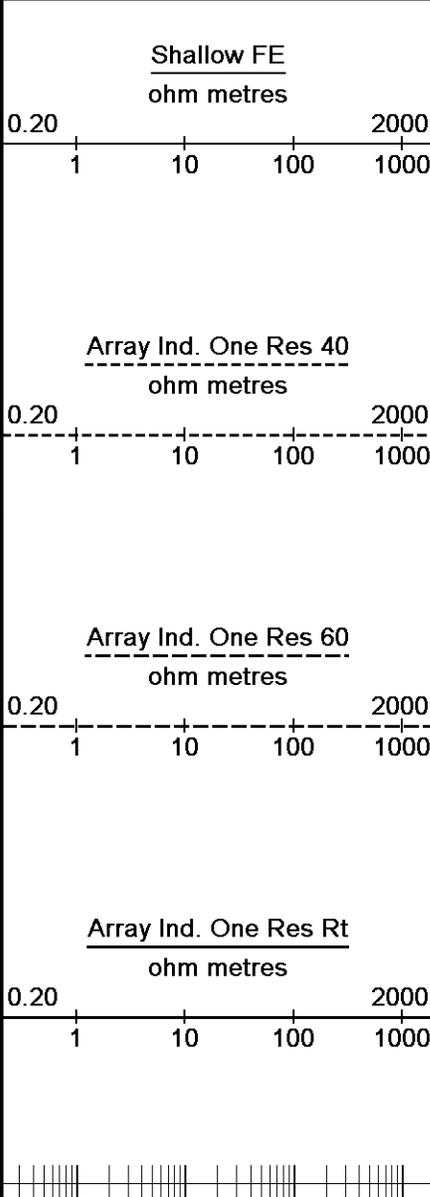
MINV

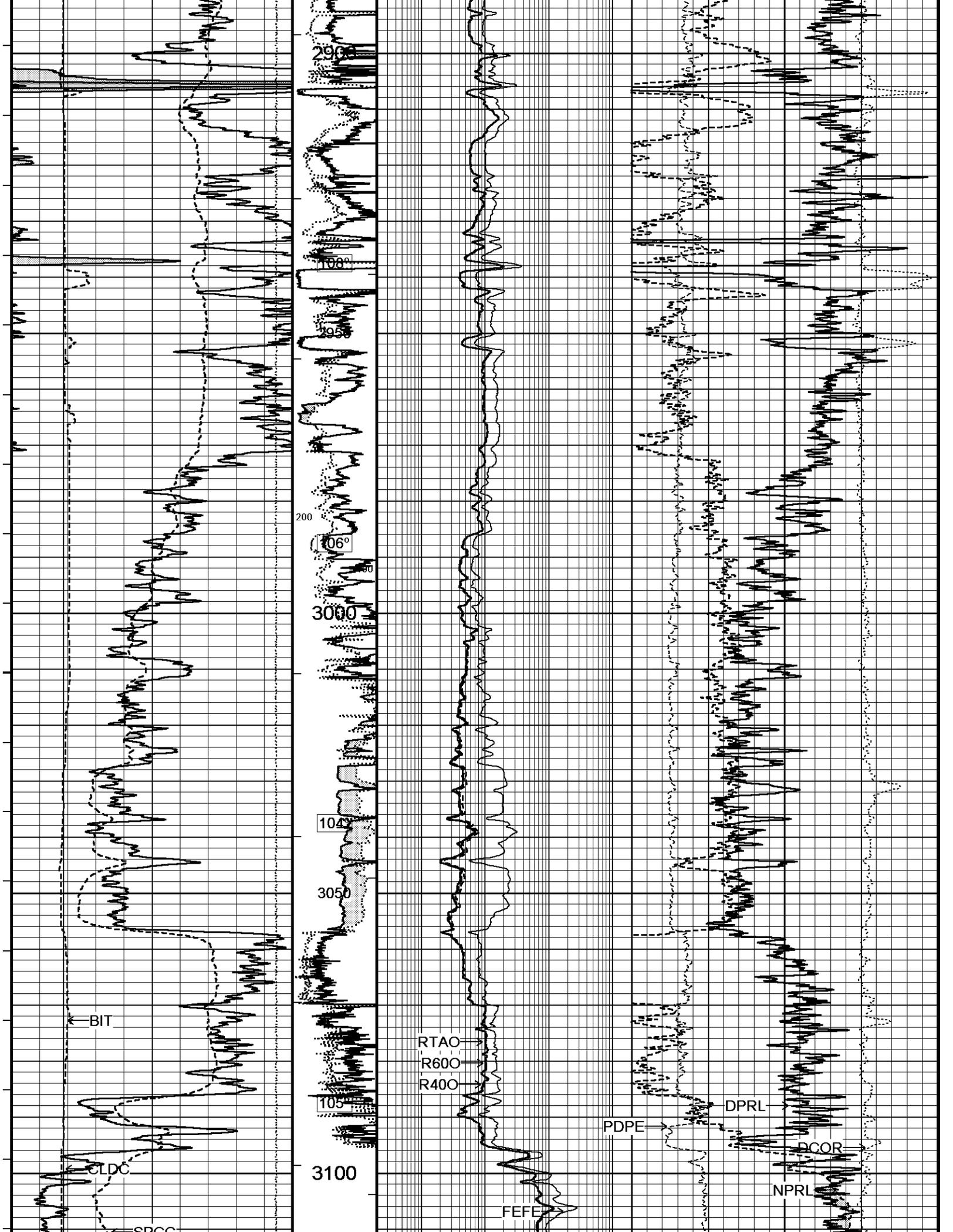
HVI every 10 cu ft

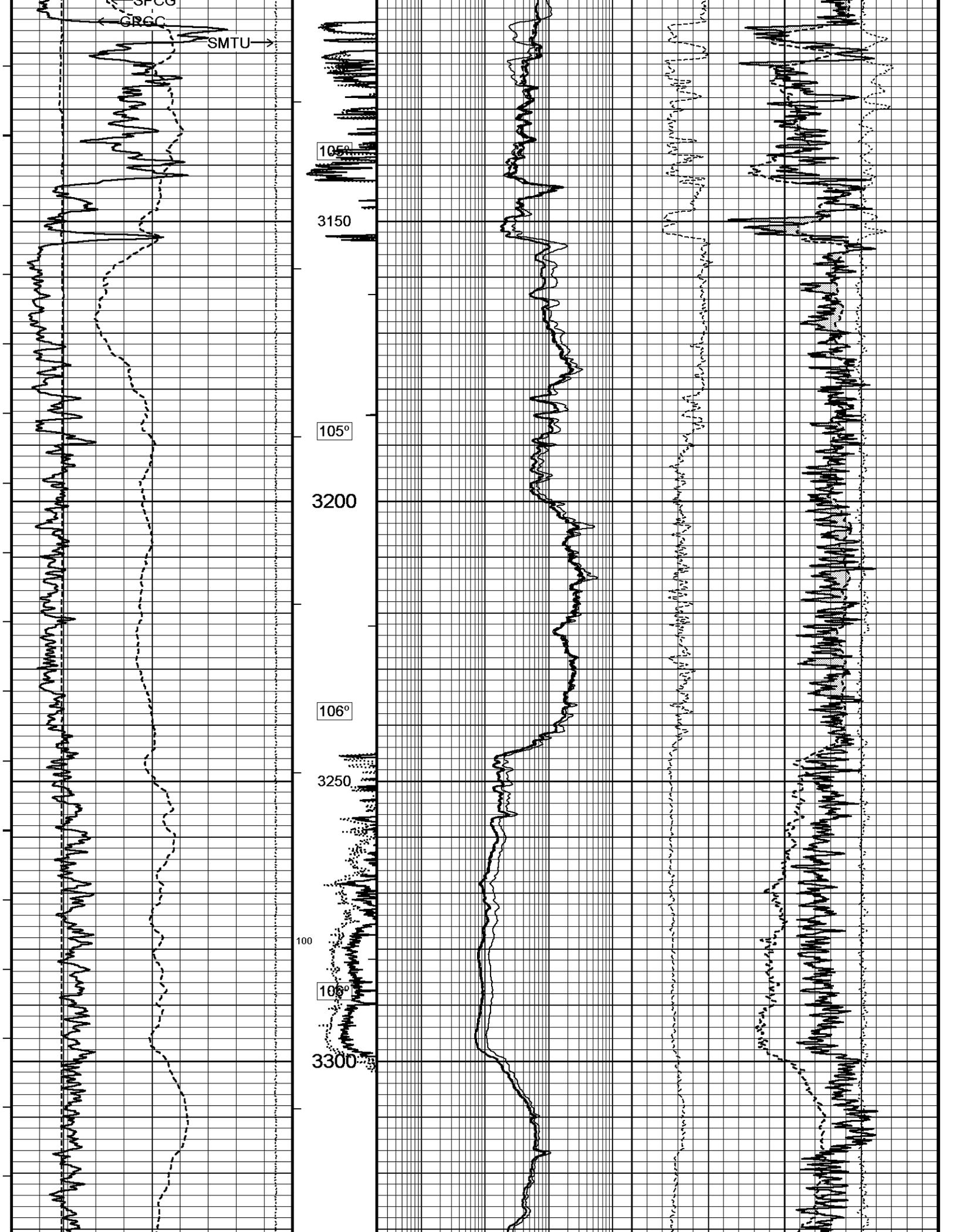
Annular Integral every 10 cu ft

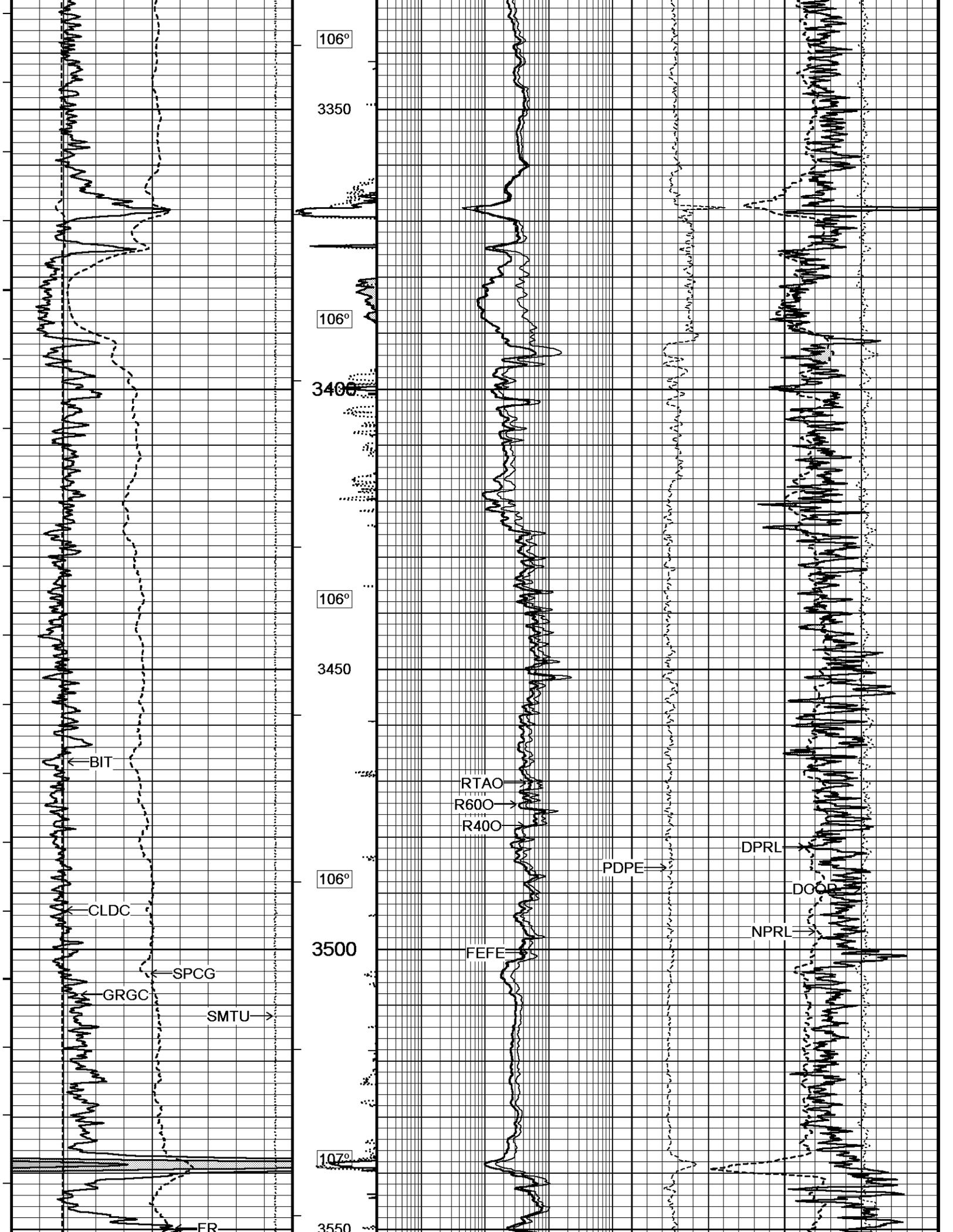
Replay Scale 1:240

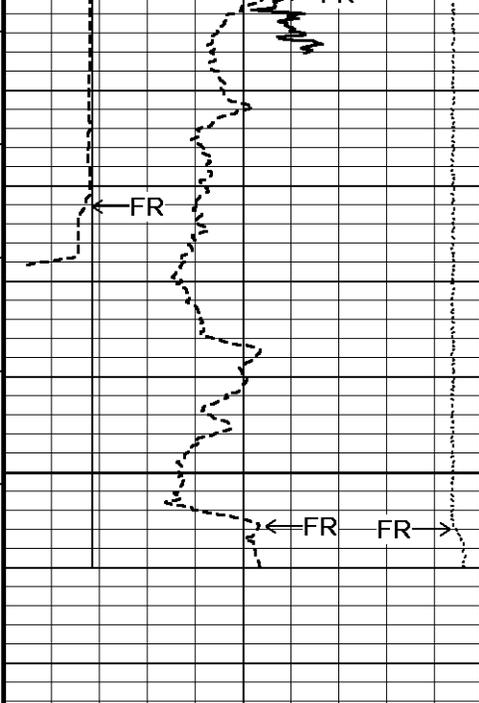
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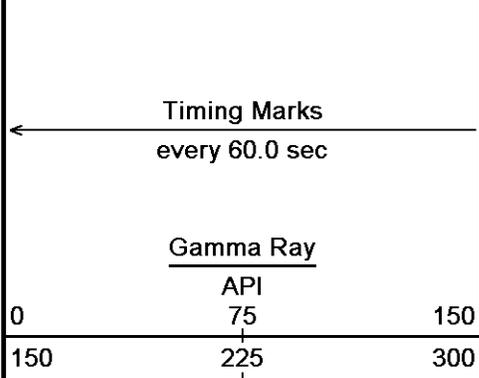
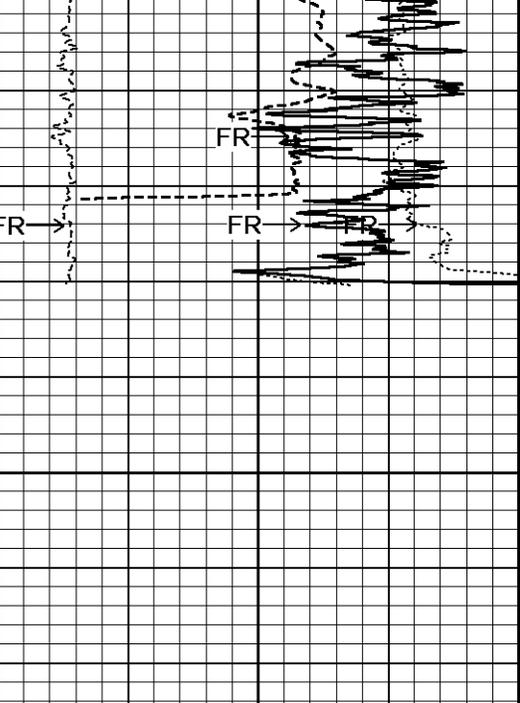
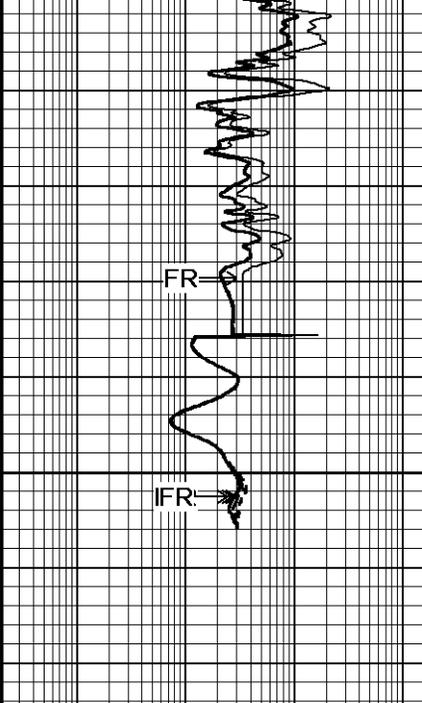




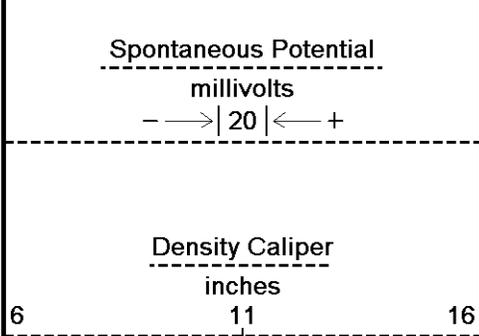
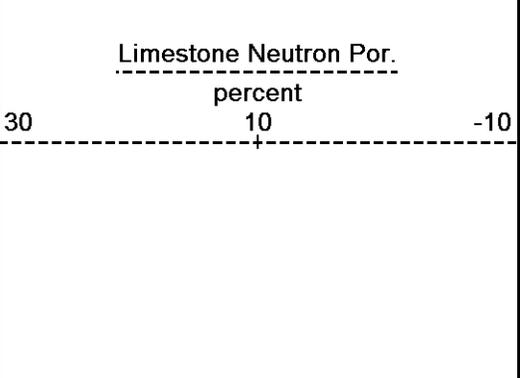
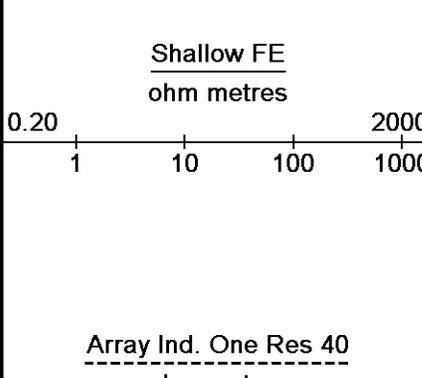




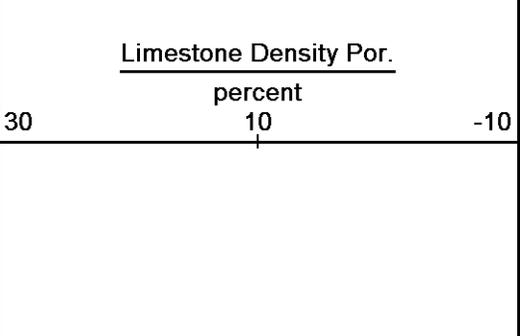
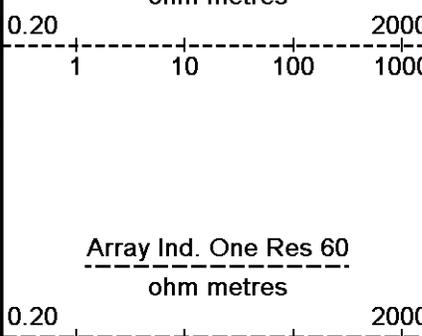
3630  
3600  
3622  
Depth in Feet



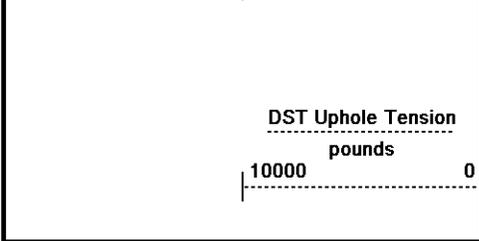
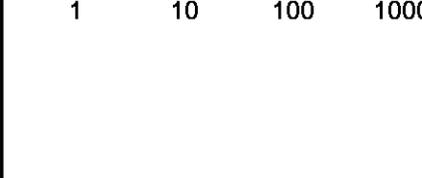
Borehole Temp in deg F  
MNRL  
MINV



HVI every 10 cu ft



Annular Integral every 10 cu ft



Replay Scale 1:240

Depth Based Data - Maximum Sampling Increment 2.5cm  
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10 INCH MAIN PASS 1:240

5 INCH MAIN LOG 1:240

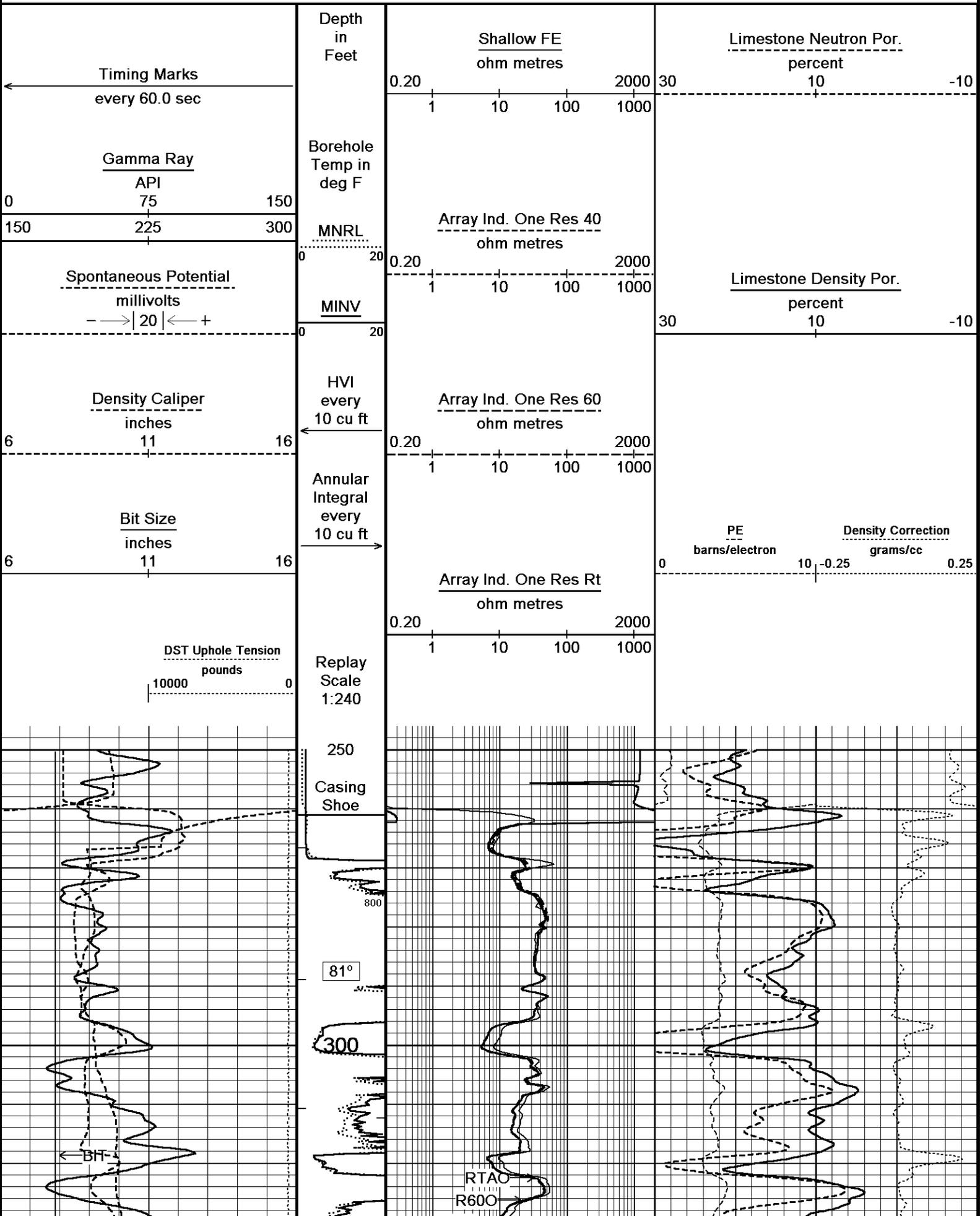
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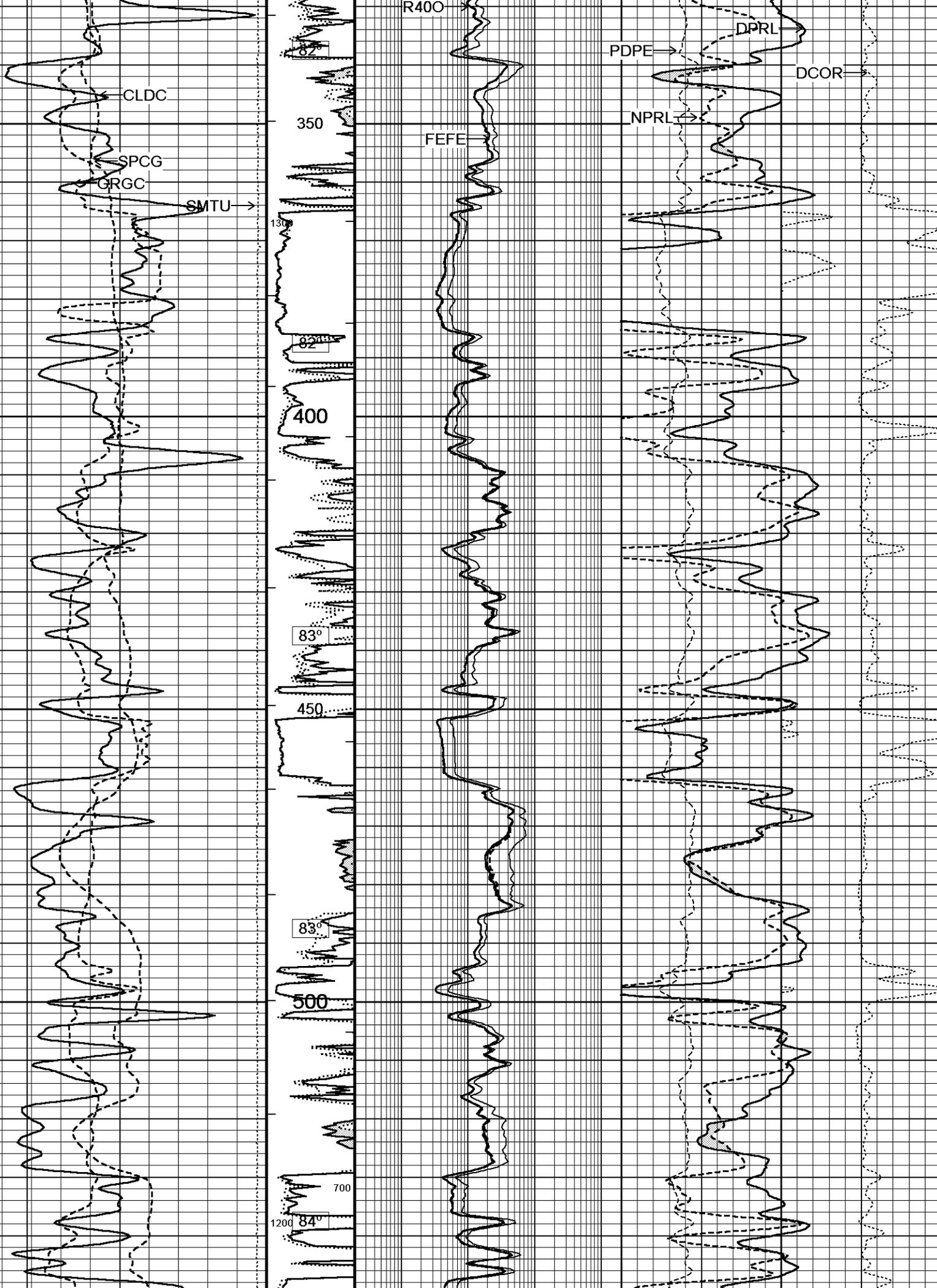
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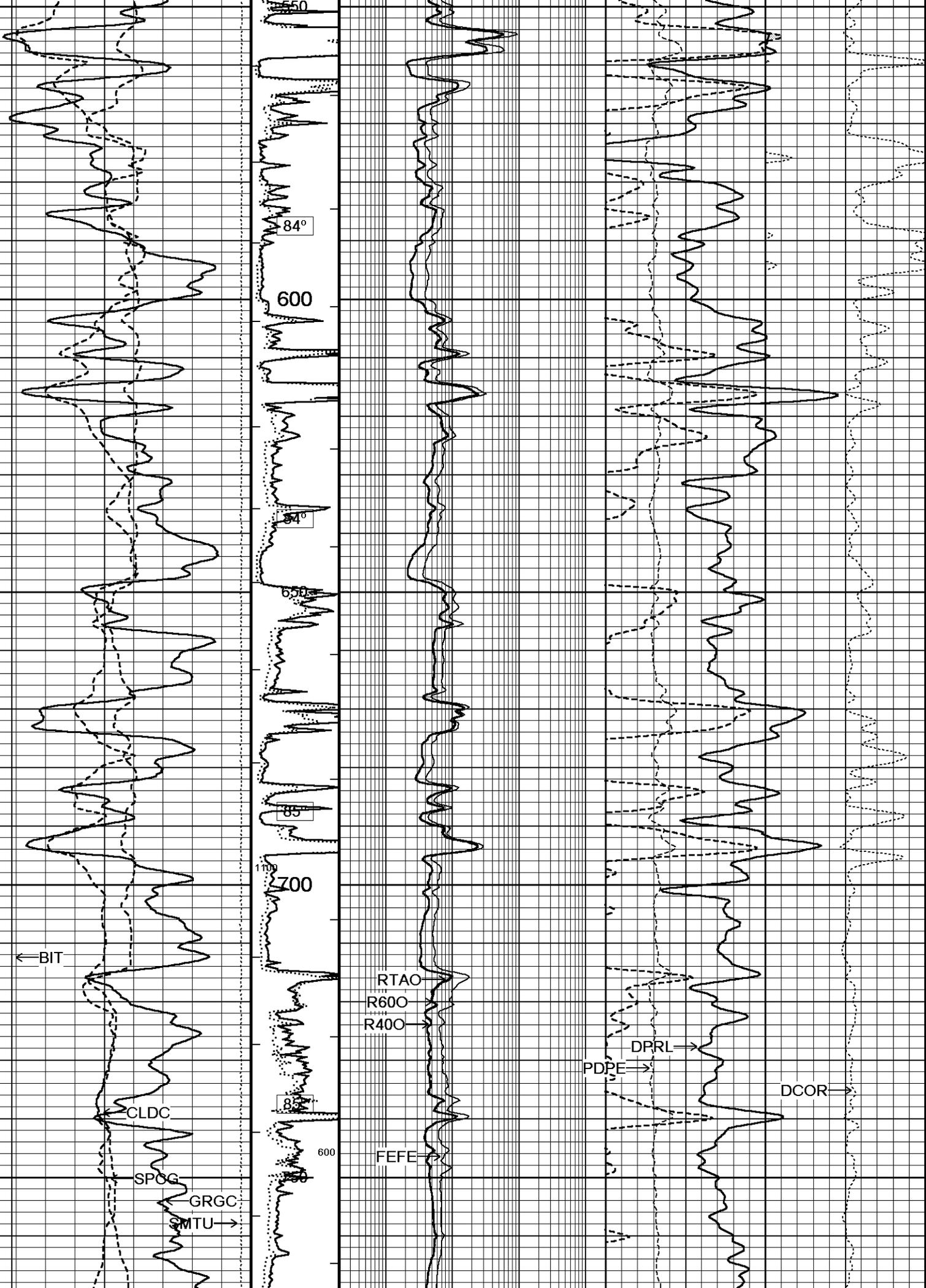
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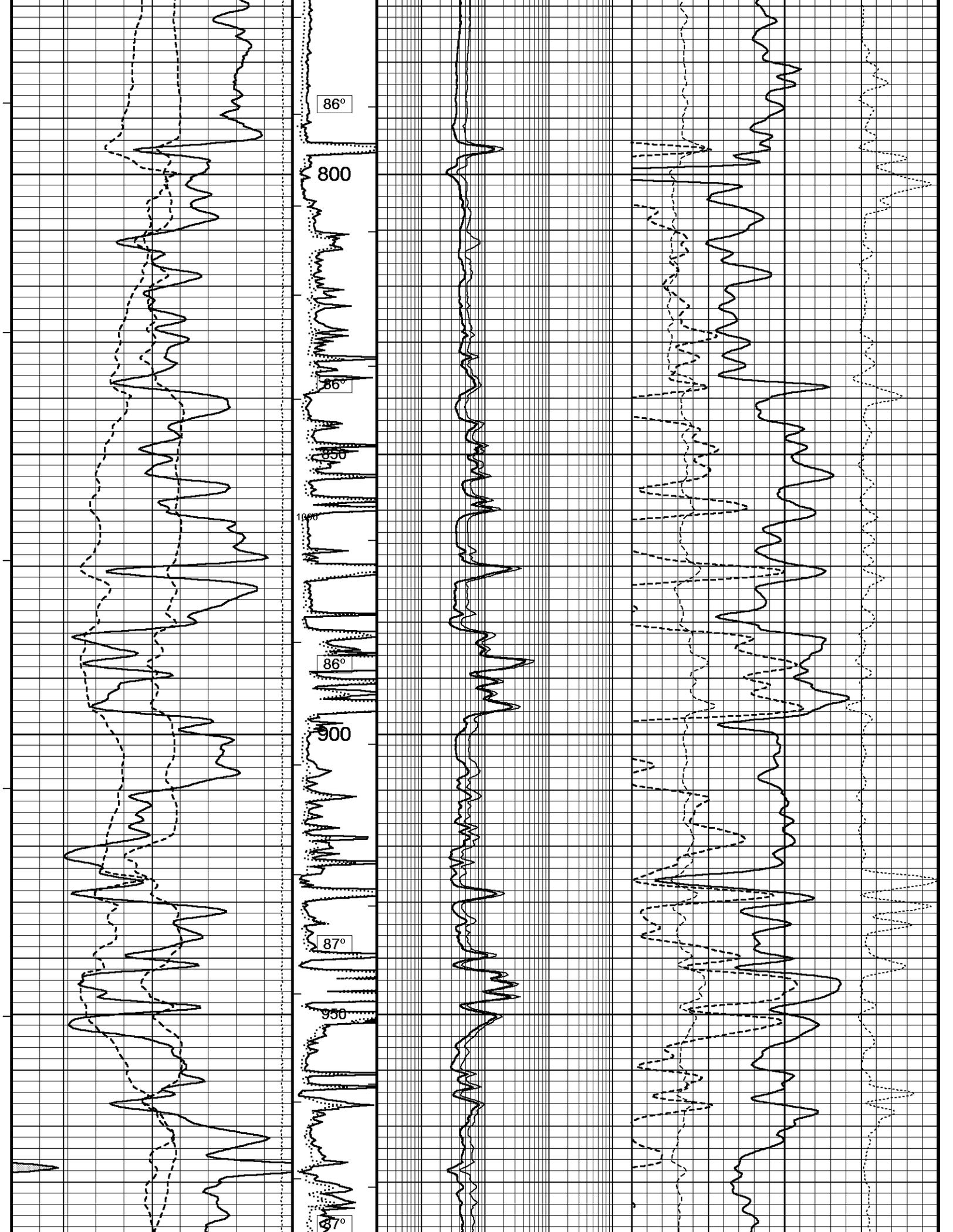
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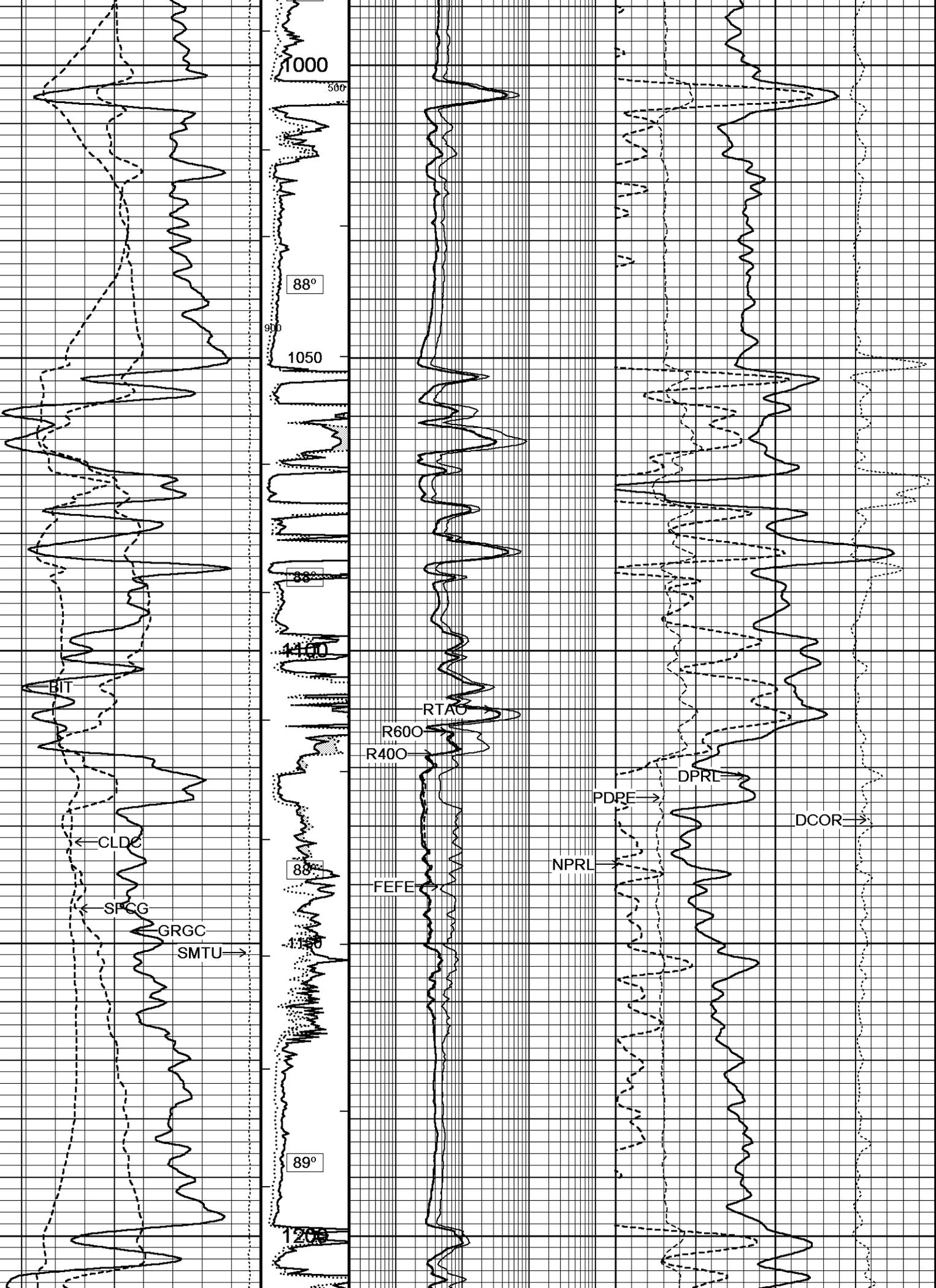
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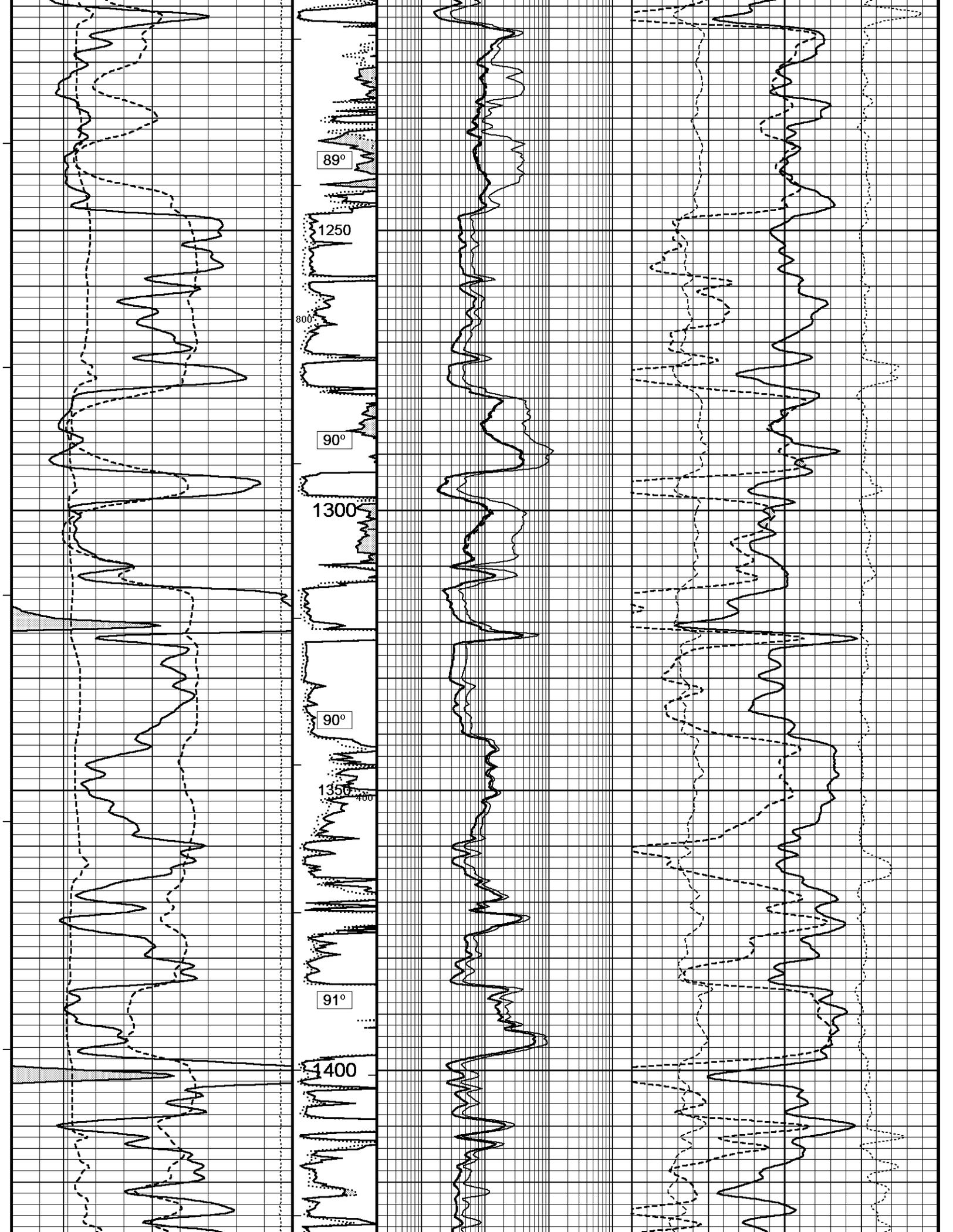


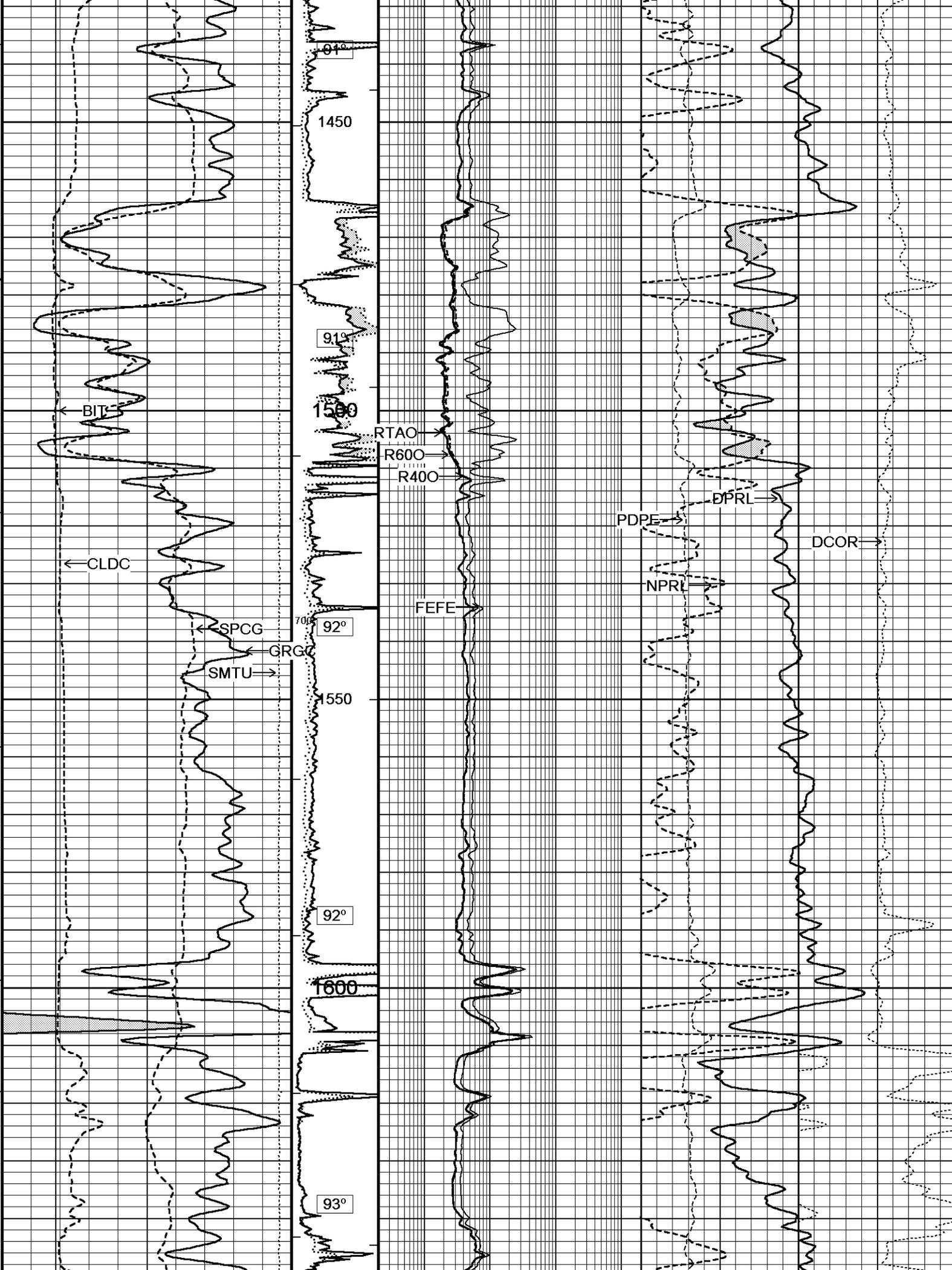


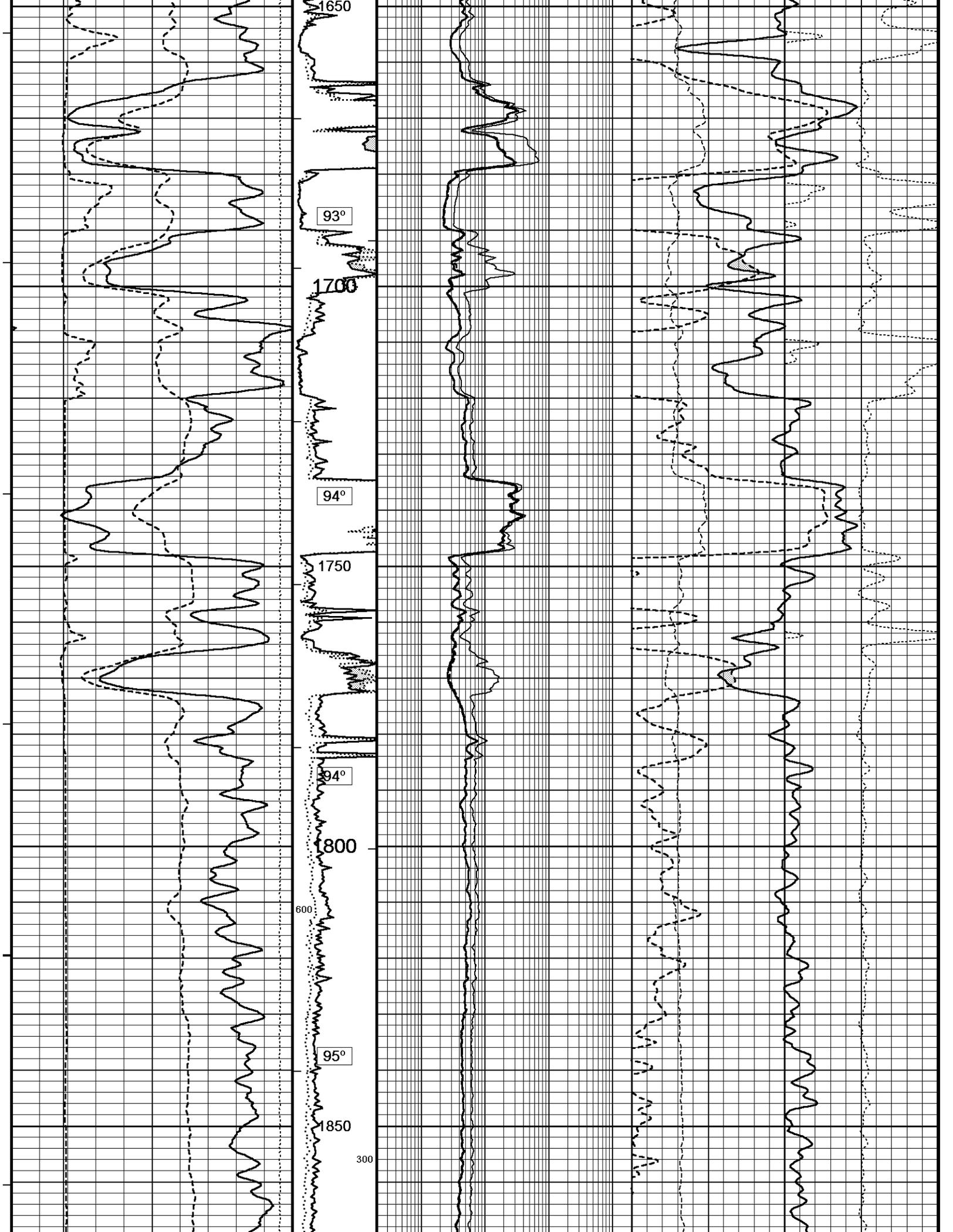


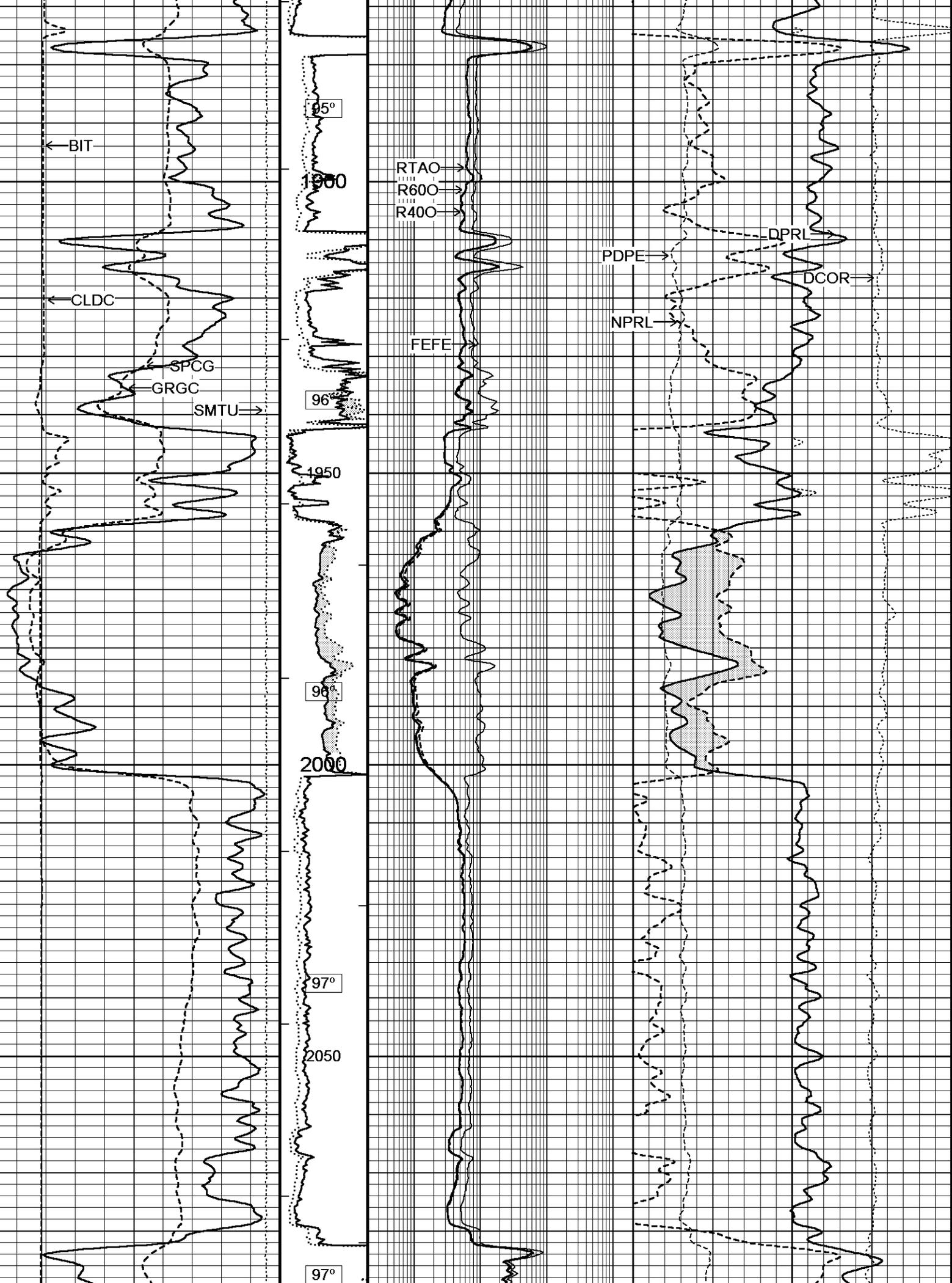


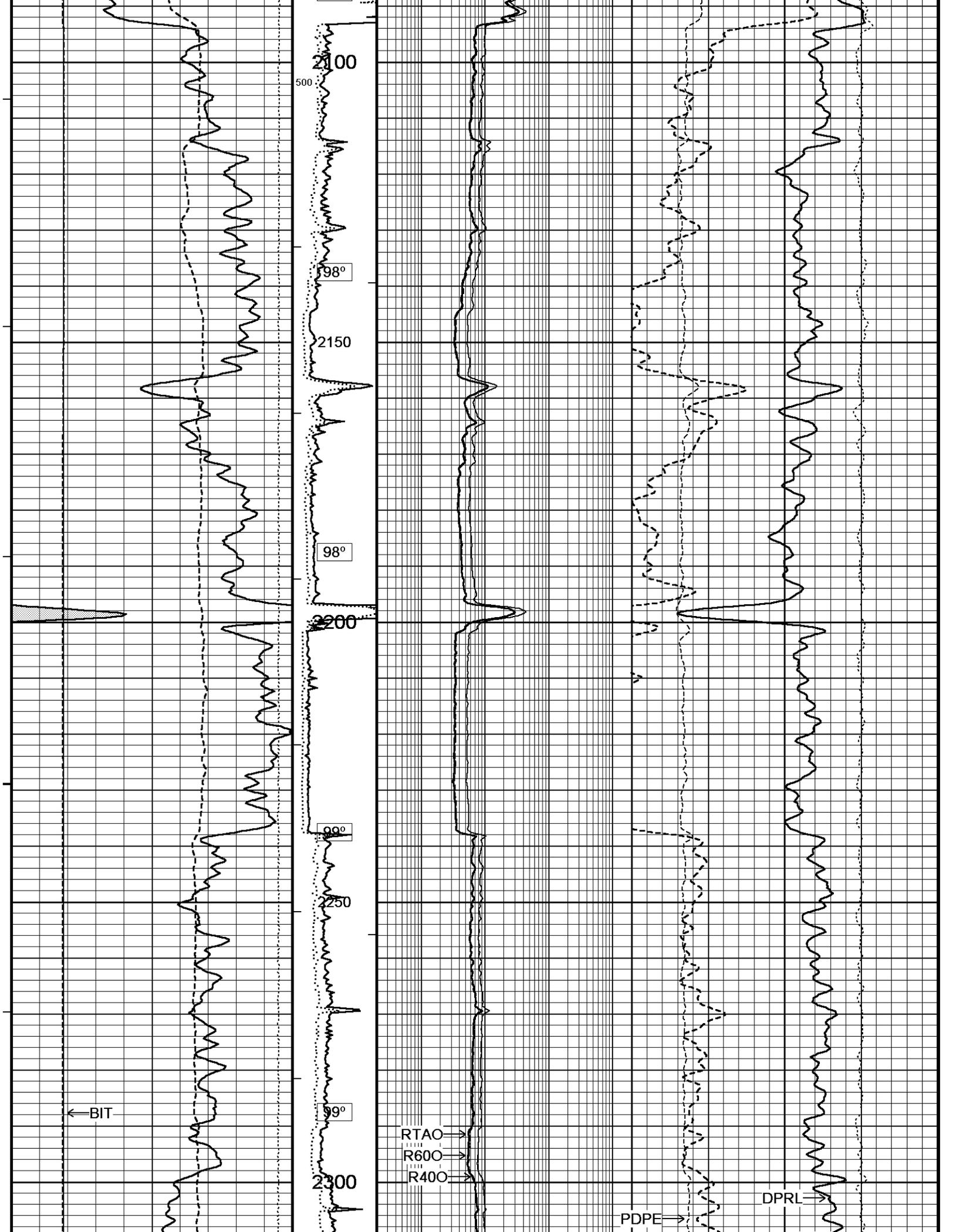


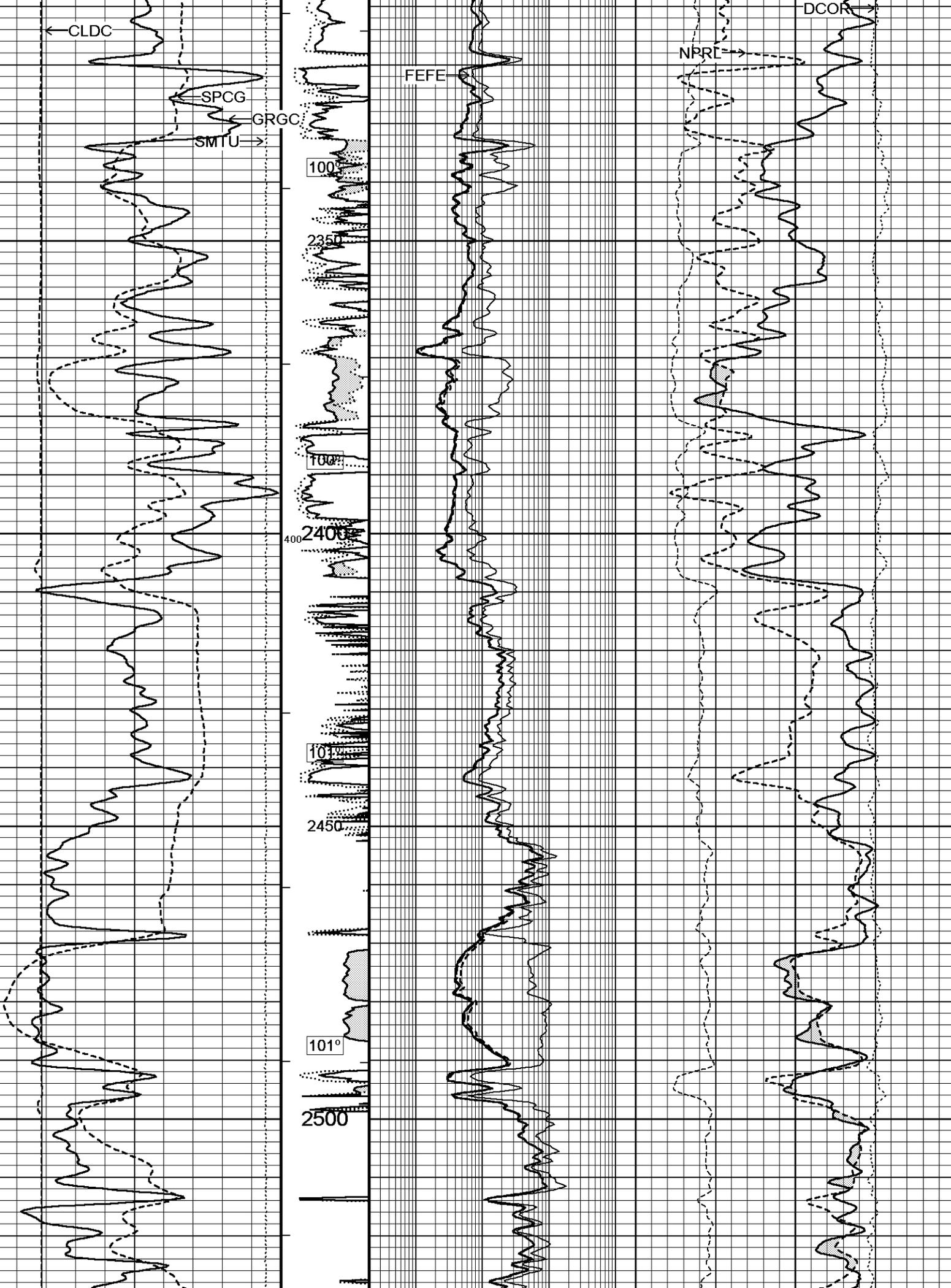


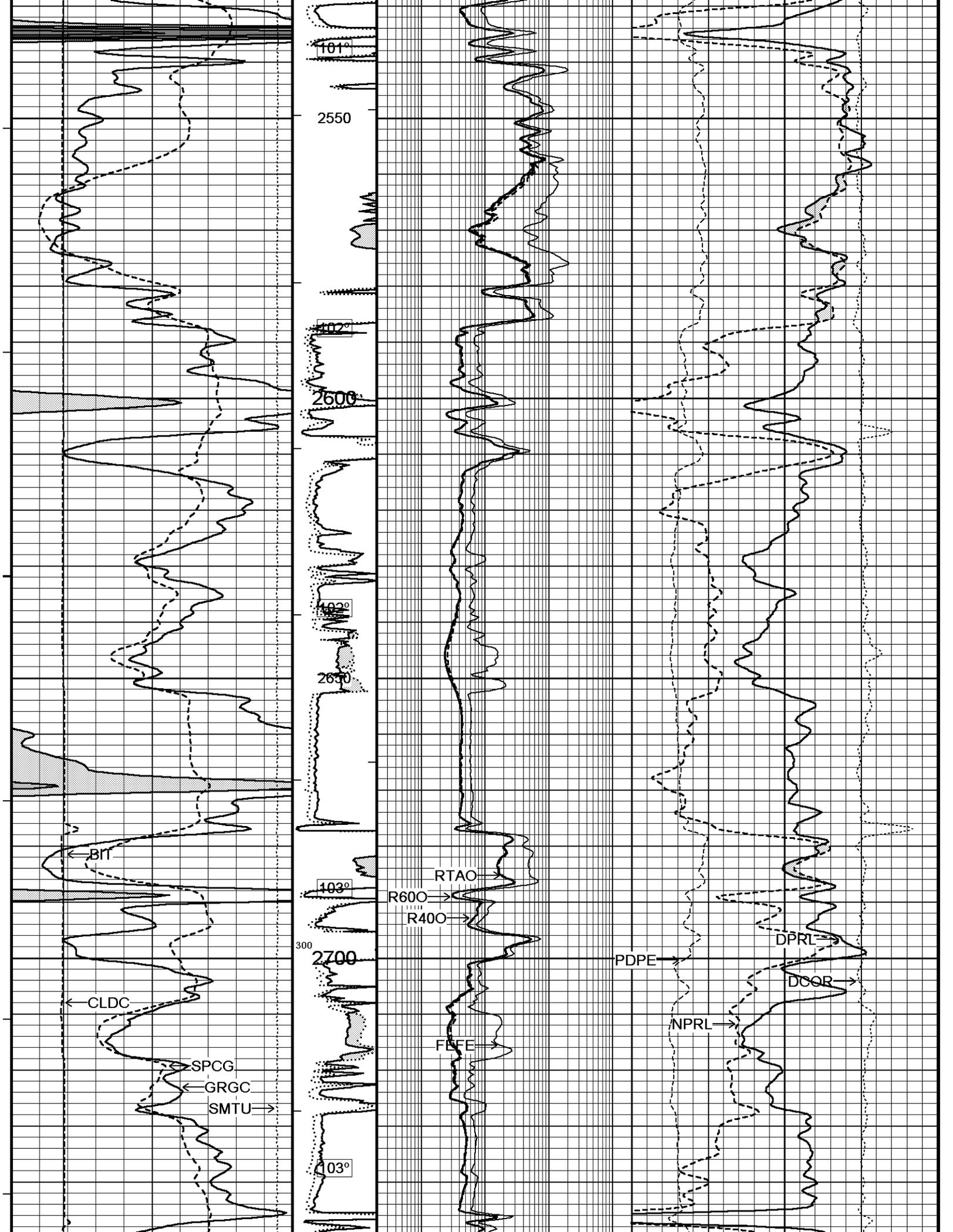


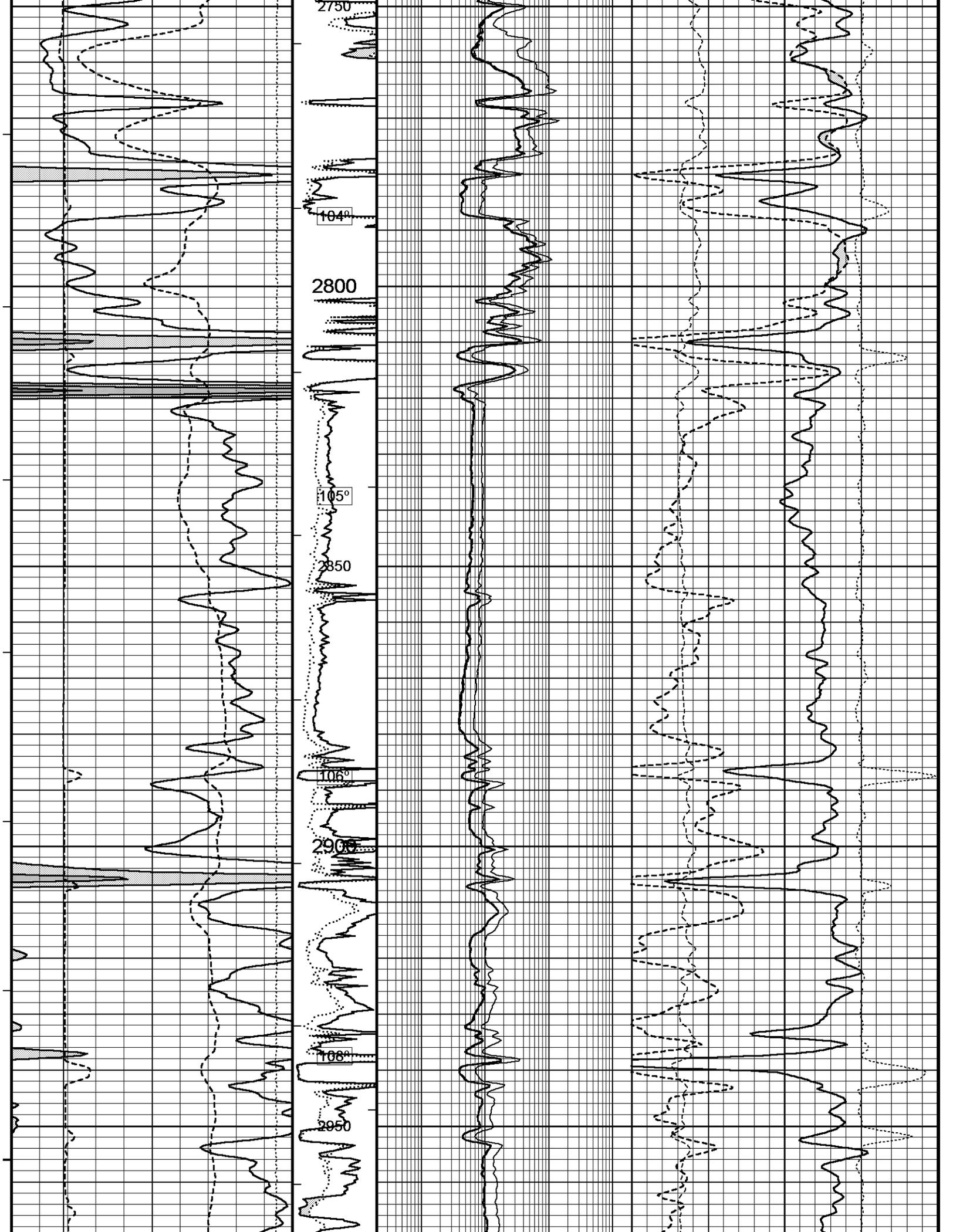


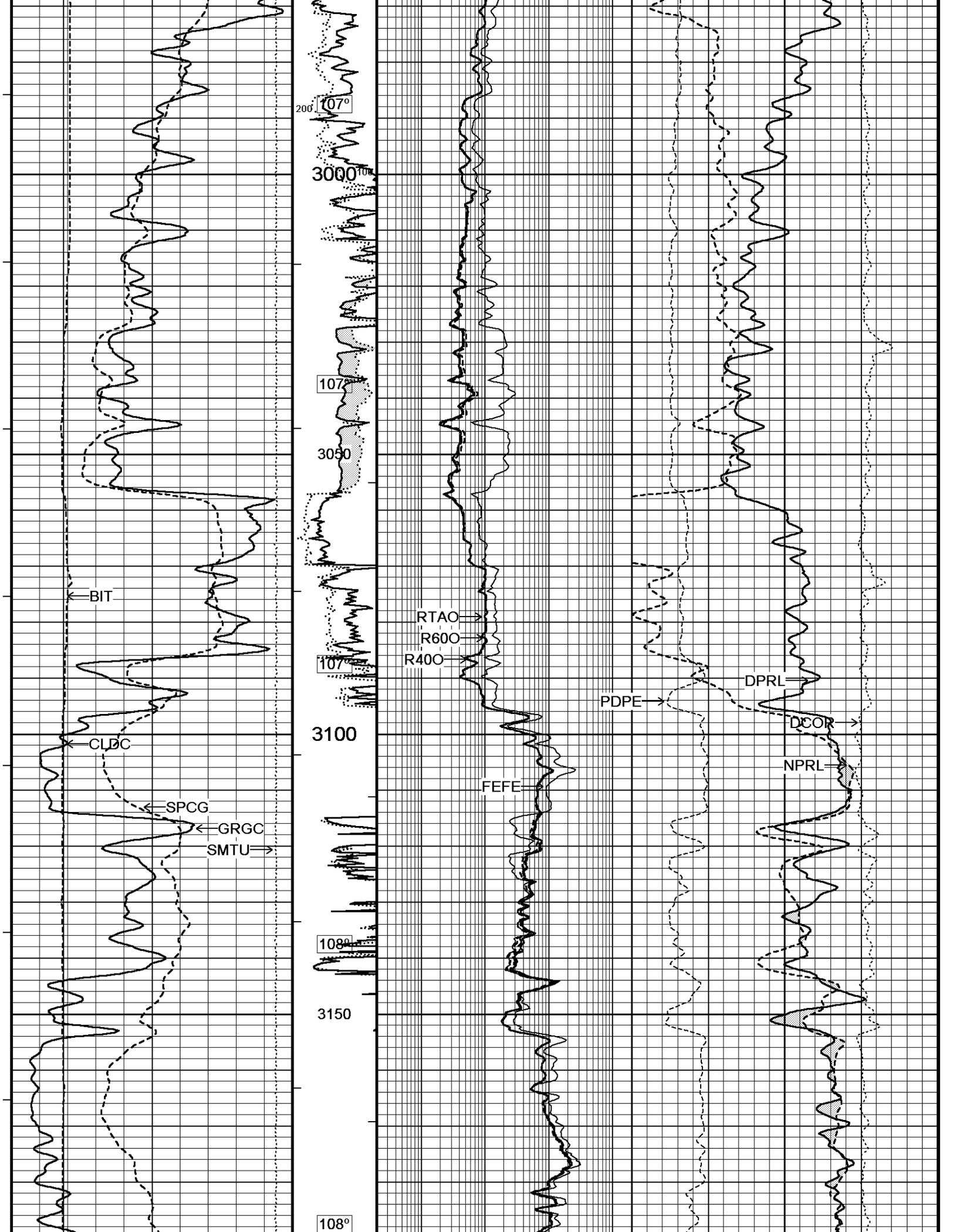




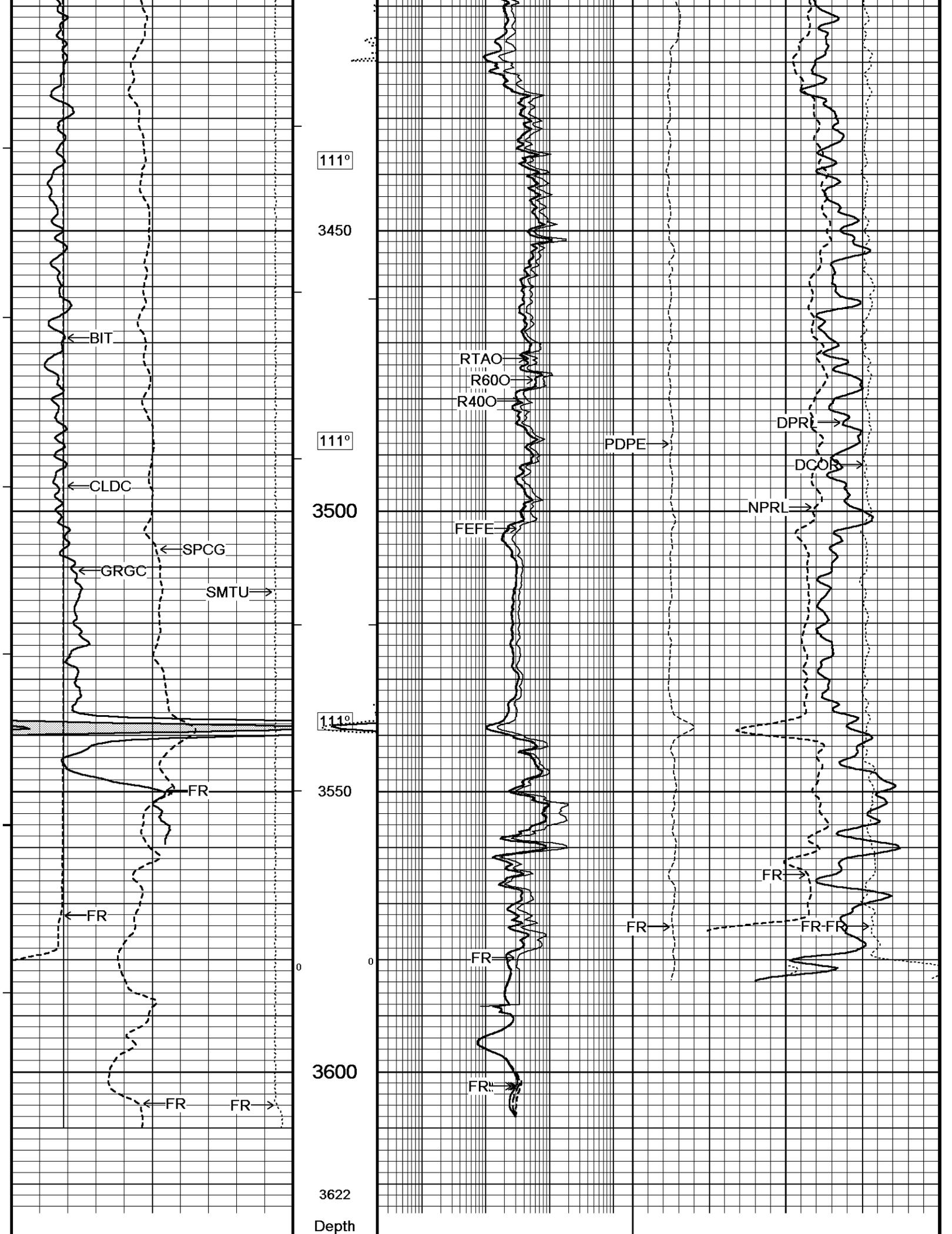


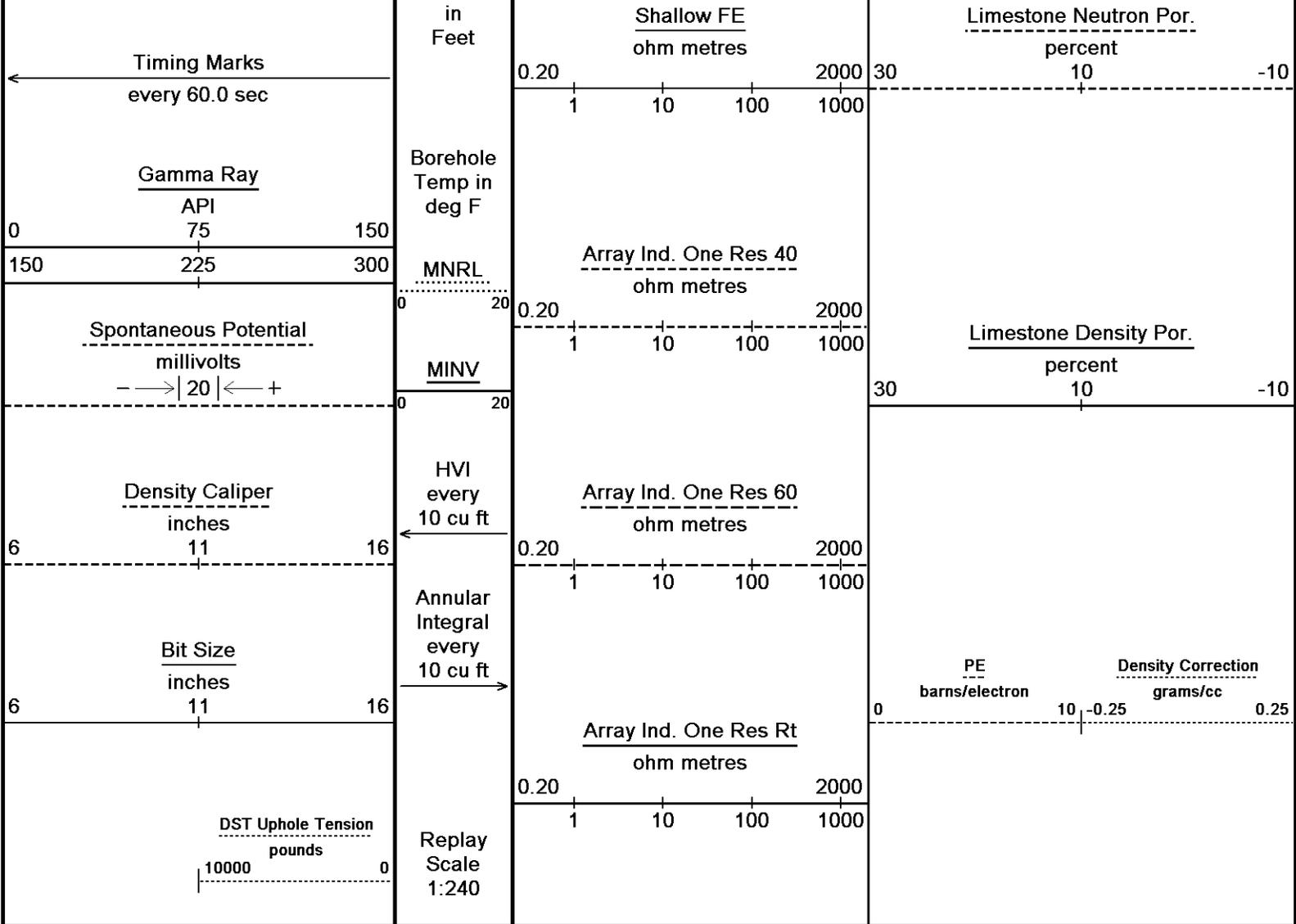










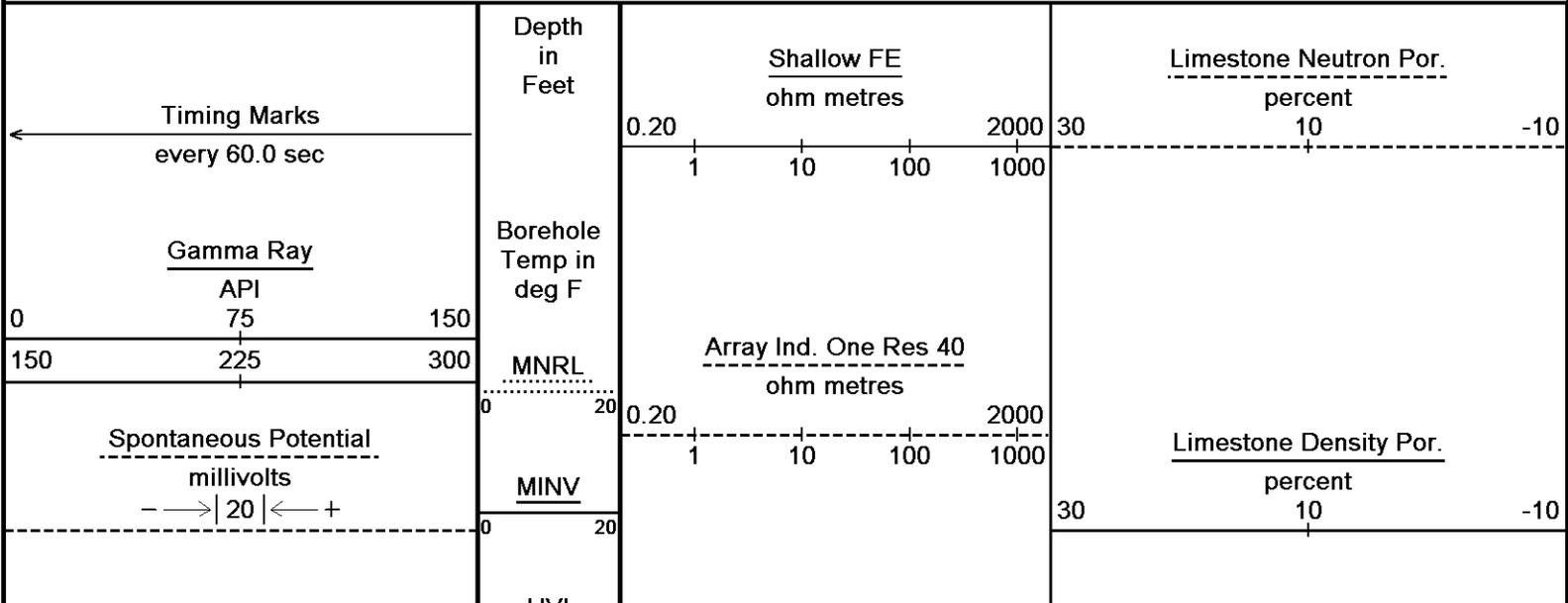


Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 24-NOV-2013 22:57  
 Filename: C:\Program Files\Weatherford\WLS 13.06\DATA\Taos Brothers Dairy 36-1\MAIN\_003.dta Recorded on 24-NOV-2013 14:48  
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↑ **5 INCH MAIN LOG 1:240** ↑

↓ **REPEAT SECTION 1:240** ↓

Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 24-NOV-2013 22:57  
 Filename: C:\Program Files\Weatherford\WLS 13.06\DATA\Taos Brothers Dairy 36-1\MAIN\_002.dta Recorded on 24-NOV-2013 13:34  
 System Versions: Logged with 13.06.9804 Processed with 13.06.9804 Plotted with 13.06.9804



Density Caliper  
inches  
6 11 16

Bit Size  
inches  
6 11 16

DST Uphole Tension  
pounds  
10000 0

HVI  
every  
10 cu ft

Annular  
Integral  
every  
10 cu ft

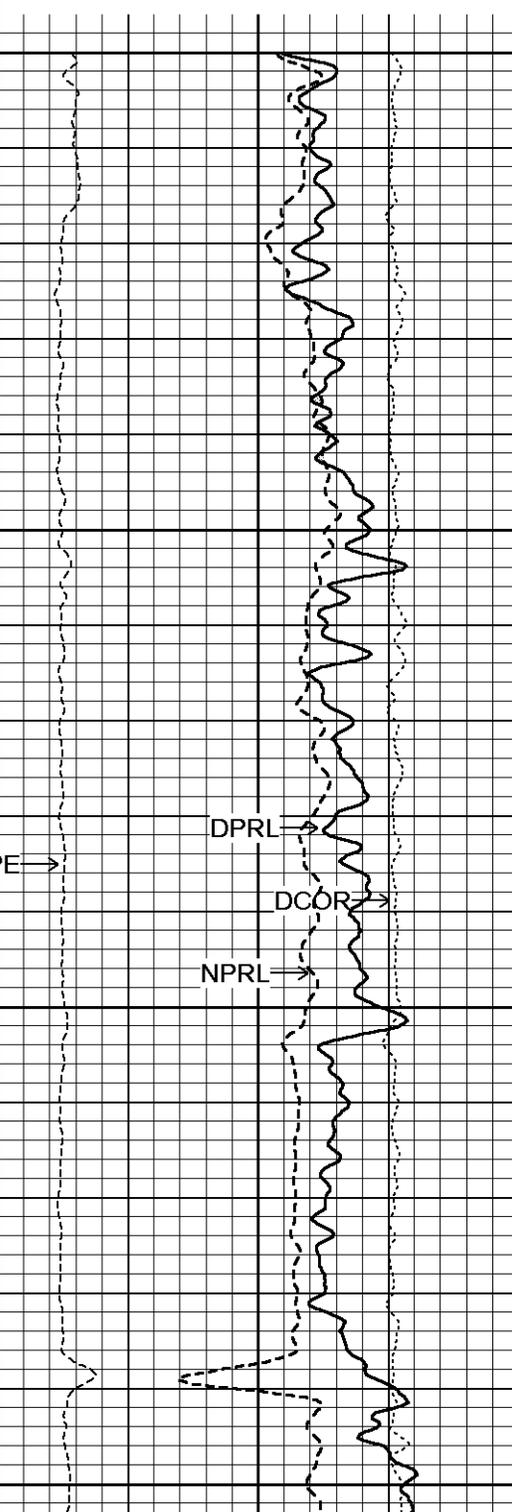
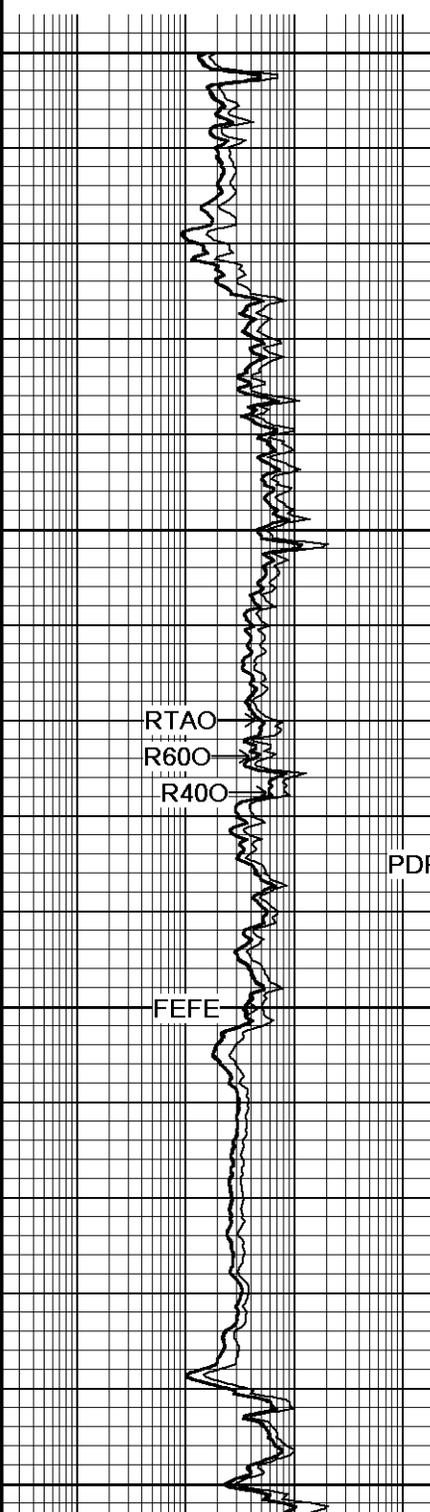
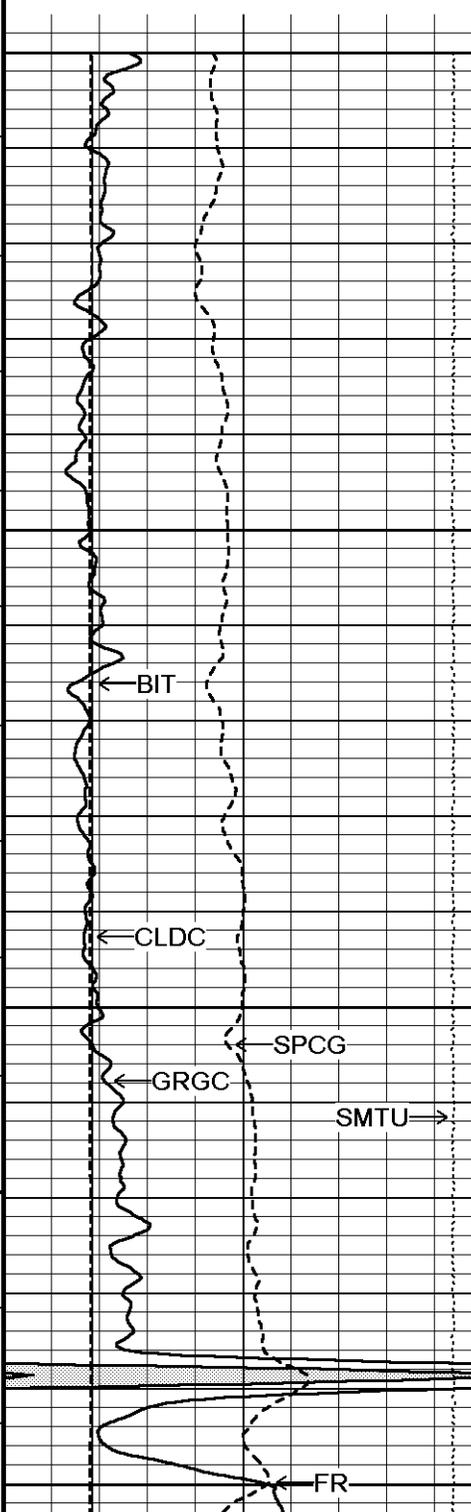
Replay  
Scale  
1:240

Array Ind. One Res 60  
ohm metres  
0.20 2000  
1 10 100 1000

Array Ind. One Res Rt  
ohm metres  
0.20 2000  
1 10 100 1000

PE  
barns/electron  
0 10 -0.25 0.25

Density Correction  
grams/cc



BIT

CLDC

GRGC

SPCG

SMTU

FR

106°

107°

107°

RTAO

R600

R400

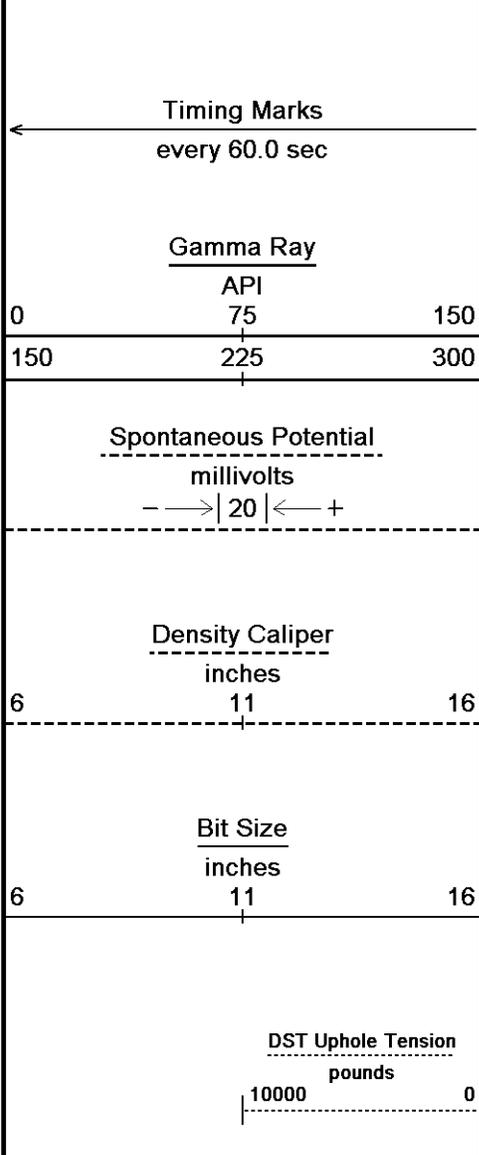
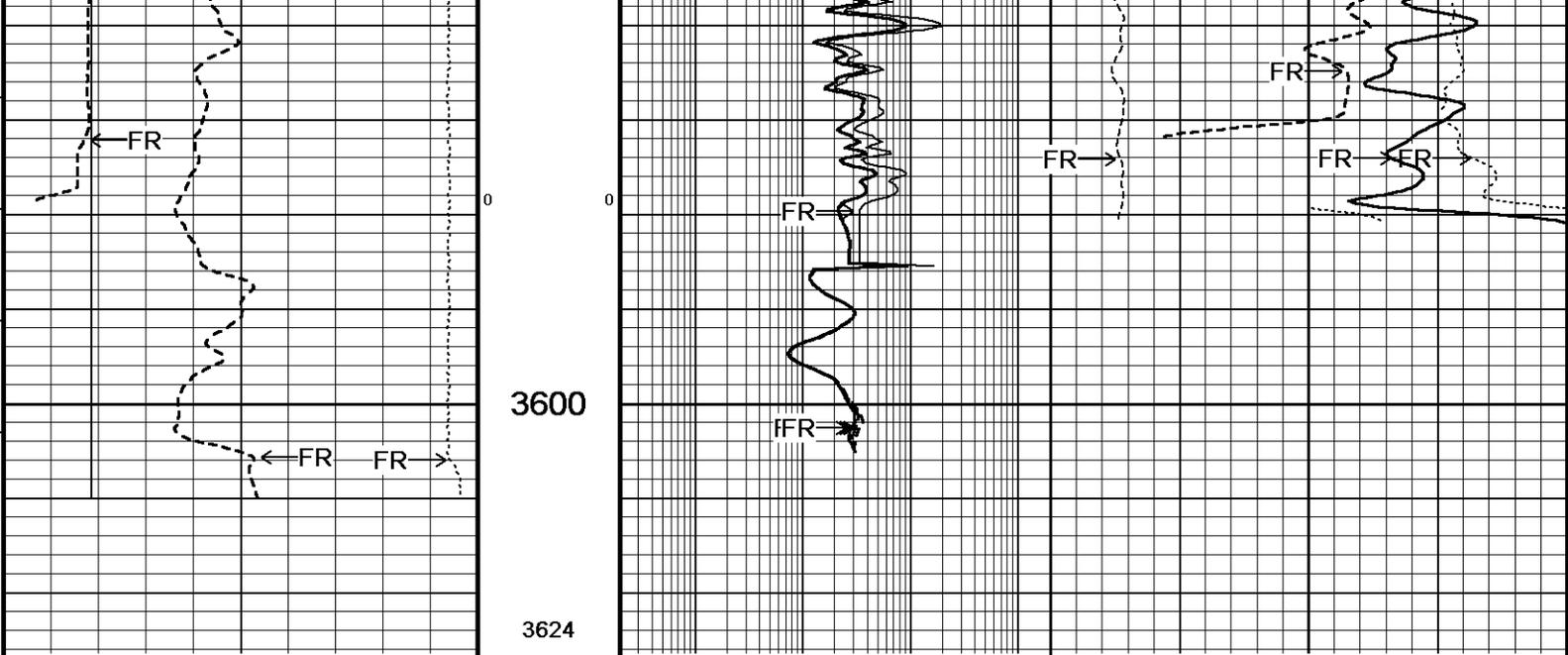
FEFE

PDPE

DPRL

DCOR

NPRL



3600

3624

Depth in Feet

Borehole Temp in deg F

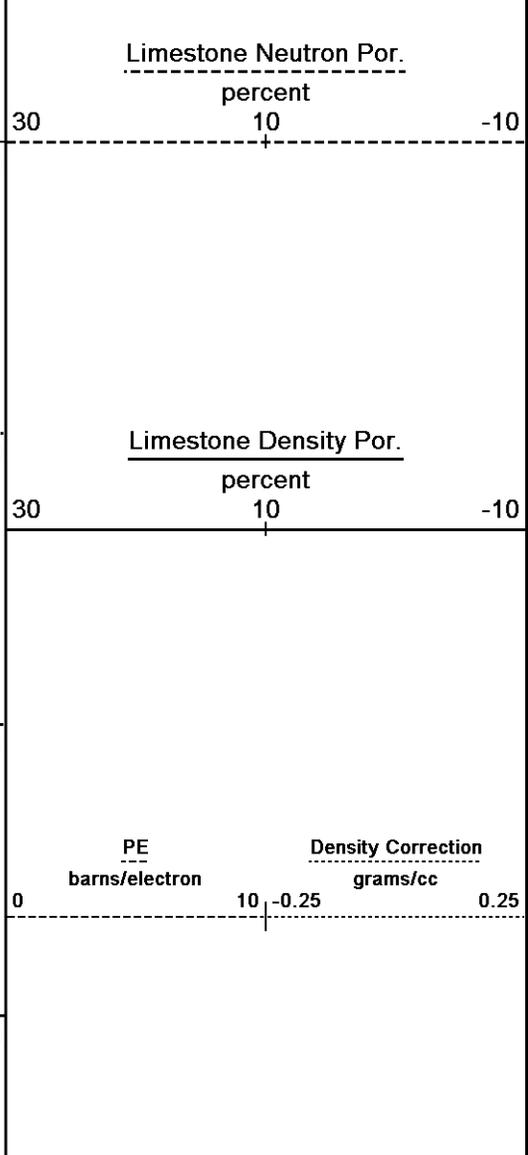
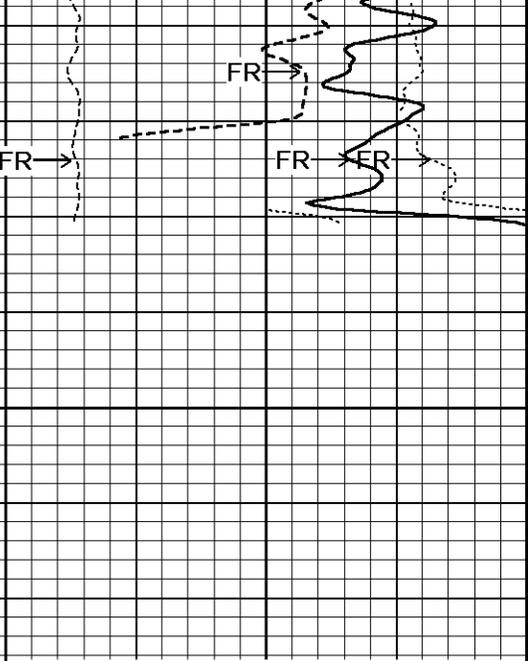
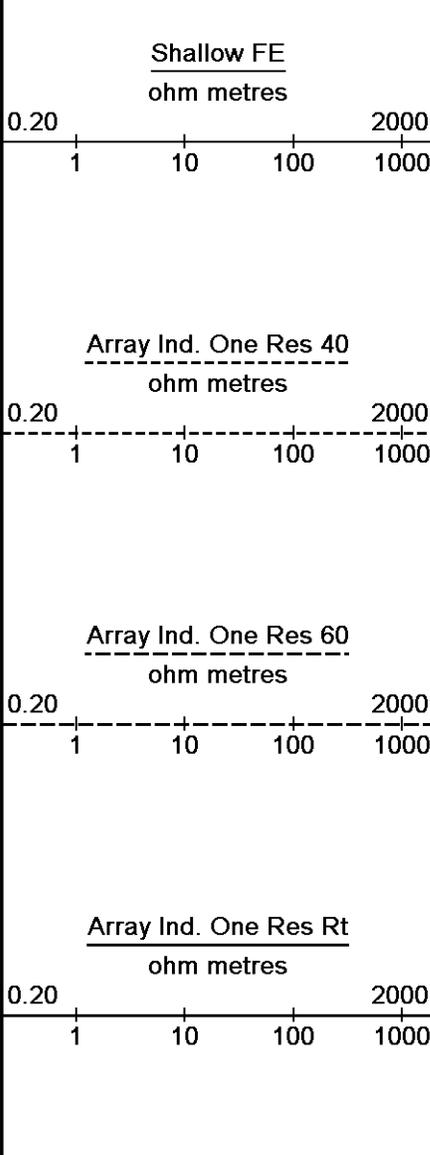
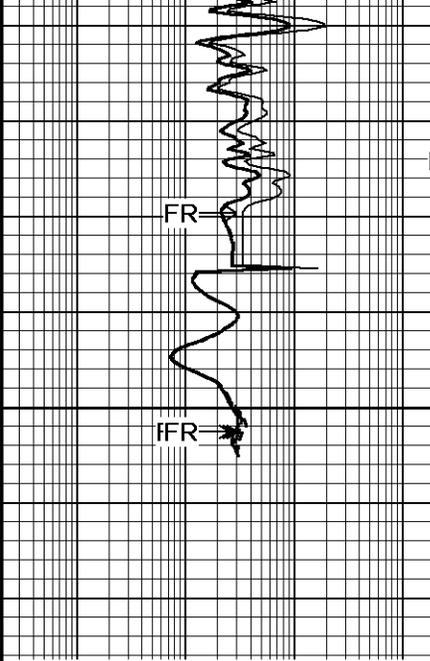
MNRL

MINV

HVI every 10 cu ft

Annular Integral every 10 cu ft

Replay Scale 1:240



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↑ REPEAT SECTION 1:240 ↑

BEFORE SURVEY CALIBRATION  
 C:\Program Files\Weatherford\WLS 13.06\DATA\Taos Brothers Dairy 36-1\MAIN.dta

<b>General Constants All 000</b>		Last Edited on 24-NOV-2013,12:25	
<b>General Parameters</b>			
Mud Resistivity	3.100	ohm-metres	
Mud Resistivity Temperature	73.000	degrees F	
Water Level	0.000	feet	
Borehole Fluid Processing	Wet Hole		
<b>Hole/Annular Volume and Differential Caliper Parameters</b>			
HVOL Method	Single Caliper		
HVOL Caliper 1	Density Caliper		
HVOL Caliper 2	N/A		
Annular Volume Diameter	5.500	inches	
Caliper for Differential Caliper	Density Caliper		
<b>Rwa Parameters</b>			
Porosity used	Limestone Density Por.		
Resistivity used	Array Ind. One Res Rt		
RWA Constant A	0.610		
RWA Constant M	2.150		
SW/APOR Tool Source	0.000		

<b>Down-hole Tension Calibration SMS 0</b>			Field Calibration on 24-NOV-2013 13:01
Reading No	Measured	Calibrated (lbs)	
1	17497.19	6.00	
2	17525.23	440.00	

<b>High Resolution Temperature Calibration MCG-C 86</b>			Field Calibration on 24-NOV-2013,04:28
	Measured	Calibrated(Deg F)	
Lower	50.00	50.00	
Upper	100.00	100.00	

<b>High Resolution Temperature Constants MCG-C 86</b>		Last Edited on 24-NOV-2013,04:28
Pre-filter Length	11	

<b>SP Calibration MCG-C 86</b>			Field Calibration on 24-NOV-2013,04:28
	Measured	Calibrated (mV)	
Reference 1	100.0	100.0	
Reference 2	-100.0	-100.0	

<b>Gamma Calibration MCG-C 86</b>			Field Calibration on 24-NOV-2013,04:46
	Measured	Calibrated (API)	
Background	39	26	
Calibrator (Gross)	1072	722	
Calibrator (Net)	1033	696	

<b>Gamma Constants MCG-C 86</b>			Last Edited on 24-NOV-2013,12:24
Gamma Calibrator Number	46		
Mud Density	1.11	gm/cc	
Caliper Source for Processing	Density Caliper		
Tool Position	Eccentred		
Concentration of KCl		kppm	
K Mud Type	Chloride		
K Mud Concentration	0.00	%	

<b>Micro Normal and Micro Inverse Calibration MMR-B.A 68</b>					Base Calibration on 11-NOV-2013 13:28
					Field Check on 24-NOV-2013 04:20
<b>Base Calibration</b>					
		Measured	Calibrated (ohm-m)		
Channel	Resistor 1	Resistor 2	Resistor 1	Resistor 2	
	Micro Normal	11.9	58.8	5.0	25.0
	Micro Inverse	15.5	76.9	5.0	25.0
Channel	Base Check (ohm-m)		Field Check (ohm-m)		
	Micro Normal	77.5	77.5		
	Micro Inverse	59.2	59.2		

Micro Normal and Micro Inverse Constants MMR-B.A 68

Last Edited on 11-NOV-2013,13:30

Pad Type 8-12 in Soft Rubber Inflatable 006-9011-159  
 Micro Normal K Factor 1.0000  
 Micro Inverse K Factor 1.0000  
 Standoff Offset 0.0000 inches

Caliper Calibration MMR-B.A 68

Base Calibration on 11-NOV-2013 13:44  
 Field Calibration on 24-NOV-2013 04:21

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	14449	5.96
2	17823	7.98
3	21061	9.94
4	24937	11.91
5	0	0.00
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
7.94	7.98

Micro Laterolog Calibration MMR-B.A 68

Base Calibration on 31-DEC-1999 00:00  
 Field Check on 31-DEC-1999 00:00

Base Calibration

	Measured		Calibrated (ohm-m)	
	Ref 1	Ref 2	Ref 1	Ref 2
	0.0	0.0	0.0	0.0
Base Check (ohm-m)			Field Check (ohm-m)	
	0.0		0.0	

Micro Laterolog Constants MMR-B.A 68

Last Edited on

Pad Type 6 in Solid Nylon B23059  
 Micro Laterolog K Factor 0.0128  
 Standoff Offset 0.0000 inches

Mudcake Thickness Correction Constants

Mud Cake Source	Constant Value	
Mud Cake Thickness	0.4000	inches
Mud Cake Thickness Caliper		
Mud Cake Resistivity	0.1500	ohm-m
Mud Cake Resistivity Temp.	68.00	Deg F
Mud Cake Resistivity Source	Constant Value	
Temp. Source Rmc Correc.	MCG External Temperature	

Neutron Calibration MDN-A.B 55

Base Calibration on 05-NOV-2013 09:31  
 Field Check on 24-NOV-2013 04:42

Base Calibration

Ratio	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	3153	94	3714	110
	33.699		33.764	

Field Calibrator at Base

Ratio	Calibrated (cps)
	2318 3491
	0.664

Field Check

Ratio	Calibrated (cps)
	1224 1844
	0.664

Neutron Constants MDN-A.B 55

Last Edited on 24-NOV-2013,04:38

Neutron Source Id P14033B  
 Neutron Jig Number N639  
 Epithermal Neutron No  
 Caliper Source for Processing Density Caliper  
 Stand-off 0.00 inches  
 Mud Density 1.00 gm/cc  
 Limestone Sigma 7.10 cu

Sandstone Sigma	4.26	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	None	
Formation Pressure	0.00	kpsi
Temperature Source	MCG External Temperature	
Temperature	20.00	degrees F
Mud Salinity	0.00	kppm
Salinity Correction	Not Applied	
Formation Fluid Salinity Source	None	
Formation Fluid Salinity	0.00	kppm
Barite Mud Correction	Not Applied	

FE Calibration MFE-B.J 363

Base Calibration on 11-NOV-2013 14:25  
Field Check on 24-NOV-2013 04:06

Base Calibration			
	Measured	Calibrated (ohm-m)	
Reference 1	0.0	0.0	
Reference 2	961.8	126.8	
Base Check		282.3	
Field Check		282.5	

FE Constants MFE-B.J 363

Last Edited on 24-NOV-2013,12:25

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

Sonic Constants MSS-C.K 336

Last Edited on 24-NOV-2013,04:47

Maximum Boundary Contrast	100.00	micro-sec/ft
Fluid Transit Time	189.00	micro-sec/ft
Limestone Transit Time	47.50	micro-sec/ft
Sandstone Transit Time	55.50	micro-sec/ft
Dolomite Transit Time	43.50	micro-sec/ft
Sonic used for Porosities	3-5' Compensated	
Correction for Sonde Skew	Applied	
Cycle Stretch Algorithm	Applied	
MN3FT	0.00	micro-sec
MX3FT	1500.00	micro-sec
Hunt-Raymer Constant	83.13	micro-sec/ft

Sonde Mode	Compensated
Hole Type	Open Hole

Sonde Parameters

	Measured	Calibrated
Offset	0.0000	0.0000
Free Pipe	0.0000	

Peak Amplitude Source

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

Processed Fixed Gate Parameters

Waveform Used For Processing	N/A			
Start Time (micro-sec)	End Time (micro-sec)	Discriminator (mV)	Depth (ft)	
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	0.00	0.00	0.00	

Full Waveform Parameters

Use 3' Waveform to derive TR	No	
Use 4' Waveform to derive TR	No	
Use 5' Waveform to derive TR	No	
Use 6' Waveform to derive TR	No	
3' Waveform Discriminator Level	0.30	mV
4' Waveform Discriminator Level	0.30	mV
5' Waveform Discriminator Level	0.15	mV
6' Waveform Discriminator Level	0.15	mV
3' Waveform Filter		
4' Waveform Filter		
5' Waveform Filter		
6' Waveform Filter		
Semblance Level	0.50	
Semblance Window Width	120.00	micro-sec
Sonic 1 Despiker	100.00	micro-sec/ft
Sonic 2 Despiker	100.00	micro-sec/ft

High Resolution Temperature Calibration MAI-A.A 66

Field Calibration on 24-NOV-2013,04:01

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

High Resolution Temperature Constants MAI-A.A 66

Last Edited on 24-NOV-2013,12:25

Pre-filter Length	11
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Induction Calibration MAI-A.A 66

Base Calibration on 20-NOV-2013,10:21  
Field Check on 24-NOV-2013 04:04

Base Calibration

Test Loop Calibration

Channel	Measured		Calibrated (mmho/m)	
	Low	High	Low	High
1	16.3	454.6	9.3	966.2
2	5.6	370.2	7.6	821.4
3	3.7	253.8	5.2	566.0
4	1.9	131.5	2.6	279.2

Array Temperature	78.4	Deg F
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Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1			14.5	4010.7
2			31.9	3652.9
3			28.5	3136.4
4			19.9	2112.6
Deep			16.3	2024.4
Medium			42.0	4148.6
Shallow			49.5	5431.5

Array Temperature	61.1	Deg F
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Induction Constants MAI-A.A 66

Last Edited on 24-NOV-2013,12:25

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	6.0000	
Stand-off Fin Angle	60.00	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
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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-D.A 479

Base Calibration on 11-NOV-2013 10:57  
Field Calibration on 24-NOV-2013 04:23

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	20407	4.01
2	30283	5.96
3	40519	7.98
4	50622	9.94
5	61338	11.91
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
5.92	5.96

Photo Density Calibration MPD-D.A 479

Base Calibration on 11-NOV-2013 12:18  
Field Check on 24-NOV-2013 04:28

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	46411	23497	59869	31110
Reference 2	20026	2610	24557	2522

Field Check at Base

1252.1	1508.9
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Field Check

1257.4	1527.1
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PE Calibration

Base Calibration	WS	Measured		Calibrated Ratio
		WH	Ratio	
Background	241	1108		
Reference 1	19998	46209	0.438	0.369
Reference 2	6006	19874	0.307	0.271

Field Check at Base

241.3	1108.0
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Field Check

240.9	1113.8
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Density Constants MPD-D.A 479

Last Edited on 24-NOV-2013,12:25

Density Source Id	260
Nylon Calibrator Number	DNCE 633
Aluminium Calibrator Number	DACD 633
Density Shoe Profile	8 inch
Caliper Source for Processing	Density Caliper

PE Correction to Density	Not Applied	
Mud Density	1.11	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:\Program Files\Weatherford\WLS 13.06\DATA\Taos Brothers Dairy 36-1\MAIN.dta

Compact Comms Gamma  
MCG-C 86 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

Compact Micro-Resistivity  
MMR-B.A 68 LG: 8.59 ft WT: 81.6 lb OD: 4.88 in

Compact Neutron  
MDN-A.B 55 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

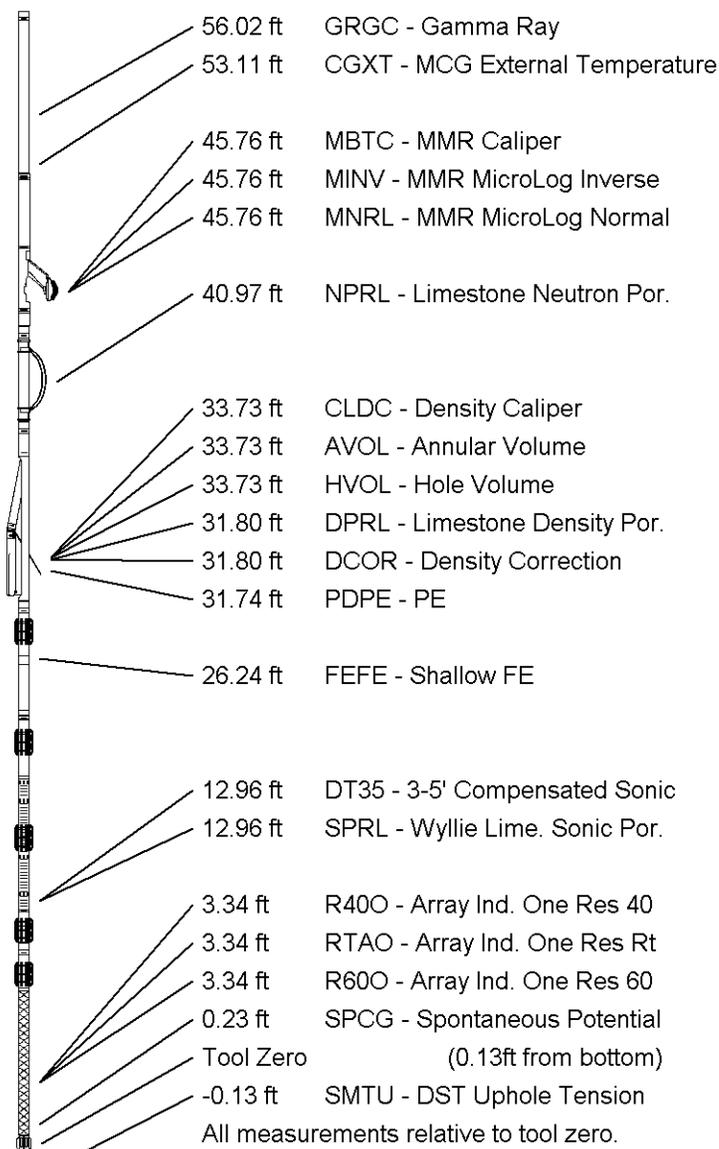
Compact Density/Caliper  
MPD-D.A 479 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

Compact Focussed Electric  
MFE-B.J 363 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

Compact Sonic  
MSS-C.K 336 LG: 12.52 ft WT: 72.8 lb OD: 2.24 in

Compact Induction  
MAI-A.A 66 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Total Length: 61.30 ft Weight: 456.4 lb



COMPANY  
WELL  
FIELD

TAOS RESOURCES OPERATING COMPANY, LLC  
BROTHERS DAIRY 36-1  
BURDEN

WELL BORDEN  
PROVINCE/COUNTY COWLEY  
COUNTRY/STATE USA / KANSAS

Elevation Kelly Bushing	1374.00	feet	First Reading	3603.00	feet
Elevation Drill Floor	1372.00	feet	Depth Driller	3606.00	feet
Elevation Ground Level	1365.00	feet	Depth Logger	3606.00	feet



**Weatherford**<sup>®</sup>

COMPOSITE LOG  
DENSITY / NEUTRON  
INDUCTION / MICRO-LOG