



Weatherford

COMPOSITE LOG

COMPANY				TAOS RESOURCES OPERATING CO.			
WELL				WEBBER 34-1			
FIELD				WMU			
PROVINCE/COUNTY				COWLEY			
COUNTRY/STATE				USA / KANSAS			
LOCATION				1650' FNL & 1960' FWL, C N/2 / NE / NW			
SEC 34	TWP 32S	RGE 5E	Other Services				
Latitude	37.19465730		Elevations: KB 1295.00 DF 1293.00 GL 1285.00				
Longitude	-96.9389729						
API Number	15-035-24621						
Permanent Datum GL, Elevation 1285 feet							
Log Measured From KB							
Drilling Measured From KB							
Date	09-DEC-2014						
Run Number	ONE						
Service Order	7770-105335005						
Depth Driller	3645.00					feet	
Depth Logger	3646.00					feet	
First Reading	3643.00					feet	
Last Reading	219.00					feet	
Casing Driller	223.00					feet	
Casing Logger	219.00					feet	
Bit Size	7.875					inches	
Hole Fluid Type	WBM						
Density / Viscosity	9.20		lb/USg	52.00	sec/qt		
PH / Fluid Loss	9.50			7.20	ml/30Min		
Sample Source	MUD TANK						
Rm @ Measured Temp	3.0 @ 87.0					ohm-m	
Rmf @ Measured Temp	2.40 @ 87.0					ohm-m	
Rmc @ Measured Temp	3.60 @ 87.0					ohm-m	
Source Rmf / Rmc	CALC			CALC			
Rm @ BHT	2.41 @109.0					ohm-m	
Time Since Circulation	TWO HOURS						
Max Recorded Temp	109.00					deg F	
Equipment / Base	13226			OKC			
Recorded By	KYLE GREGORY						LONDON HEATON
Witnessed By	GARY HAEFELE						

BOREHOLE RECORD

Last Edited: 09-DEC-2014 11:48

Bit Size inches	Depth From feet	Depth To feet
7.875	223.00	3645.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	223.00	23.00

REMARKS

TOOLS RAN: MCG, SGS, MMR, MDN, MPD, MFE, MSS, MAI RAN IN COMBINATION

HARDWARE:

MAI: TWO 0.5 INCH STANDOFFS USED.
MFE: ONE 0.5 INCH STANDOFF USED.
MDN: DUAL NEUTRON BOW SPRINGS USED.
MPD: 8 INCH PROFILE PLATE USED.
MSS: THREE 0.5 INCH STANDOFFS 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 SURFACE CASING = 1300 CU.FT.

ANNULAR HOLE VOLUME WITH 5.5 INCH PRODUCTION CASING FROM TD TO SURFACE CASING = 740 CU.FT.

*REPEAT PASS TAKEN FROM HIGH RESOLUTION PASS AS PER CUSTOMER REQUEST
560 FT (3646 TO 3086 FT) OF HI-RESOLUTION LOG WAS RUN AS PER CUSTOMER REQUEST.*

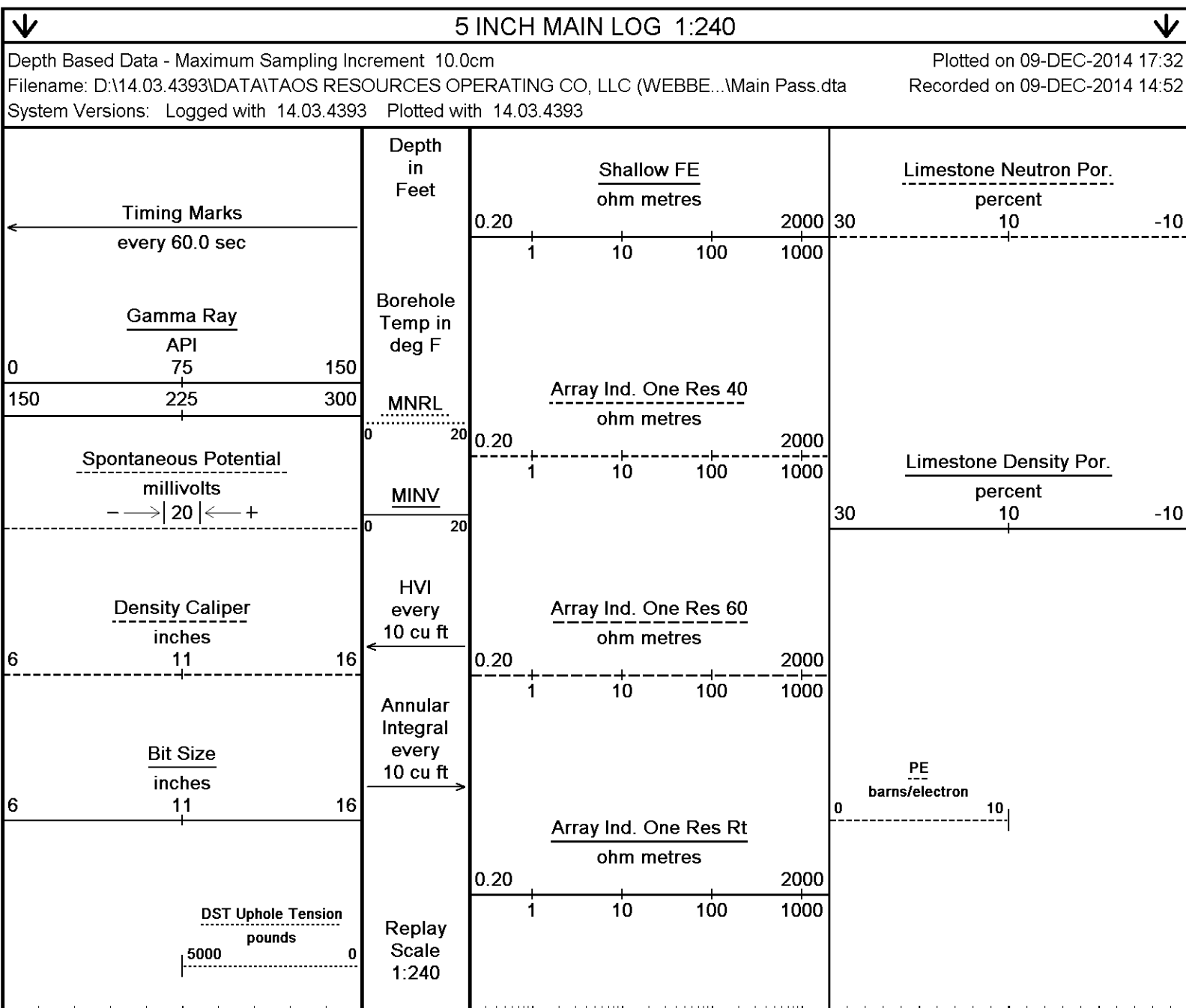
TICKET NUMBER: 7770-105335005

RIG: VAL RIG #3
OPERATOR(S): G. GARCIA

CHLORIDES: 1100 PPM
LCM: 4 LB/ BBL

HOLE WASHOUTS AND RUGOSITY WILL AFFECT LOG QUALITY AND REPEATABILITY

In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SERVICES.



126

150

83°

200

Casing
Shoe

84°

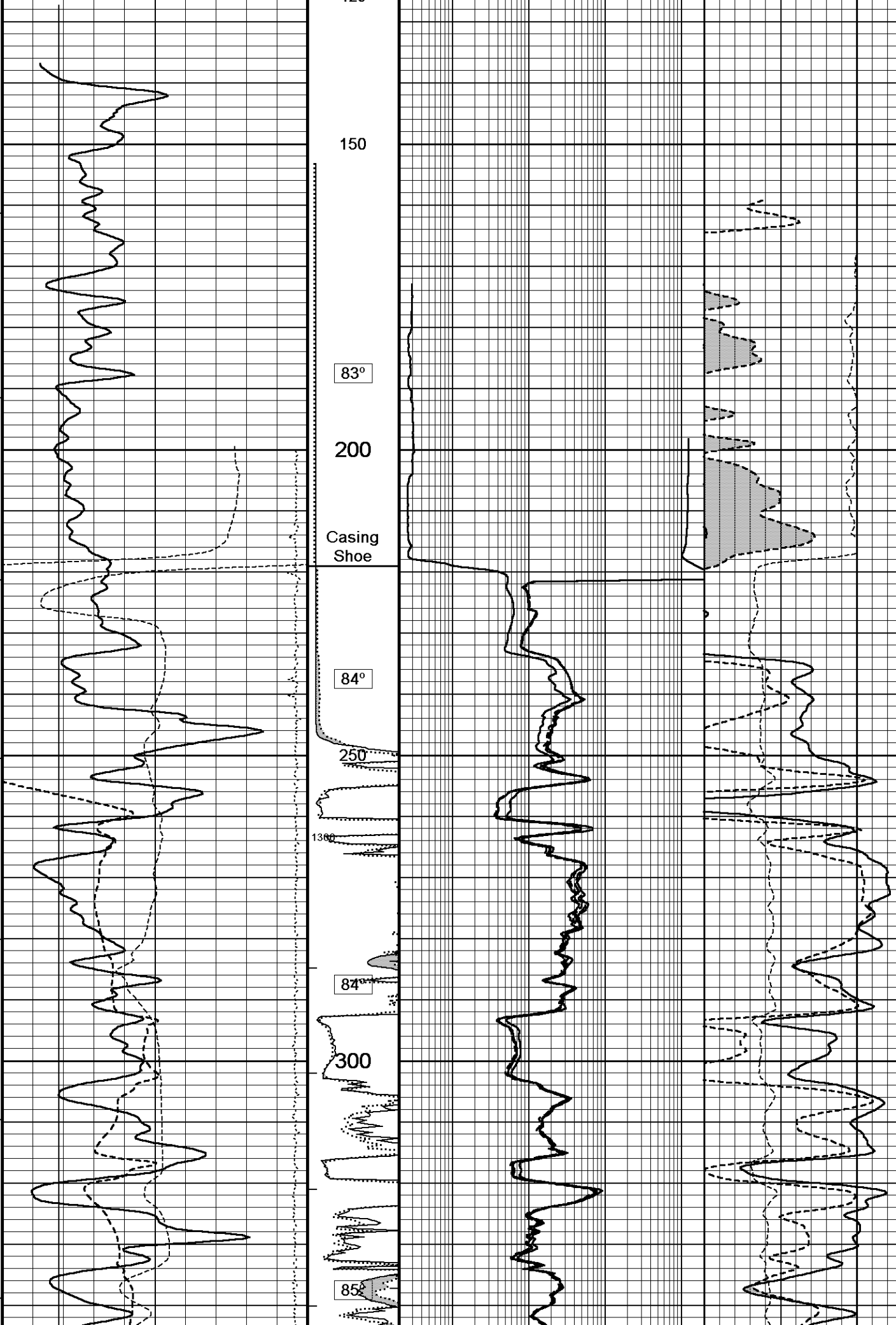
250

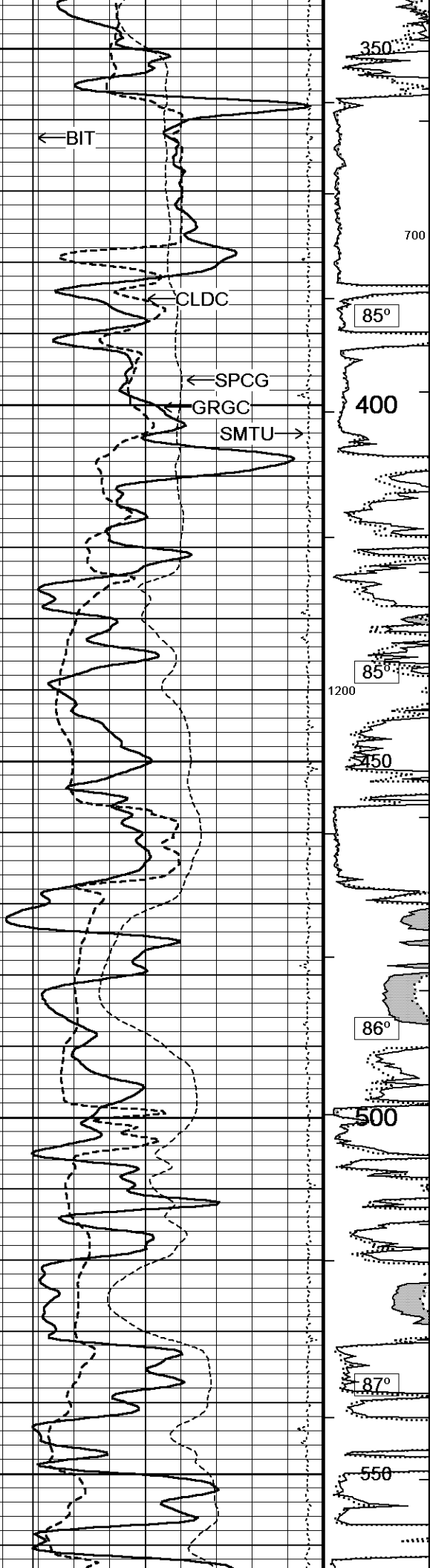
1300

84°

300

85°



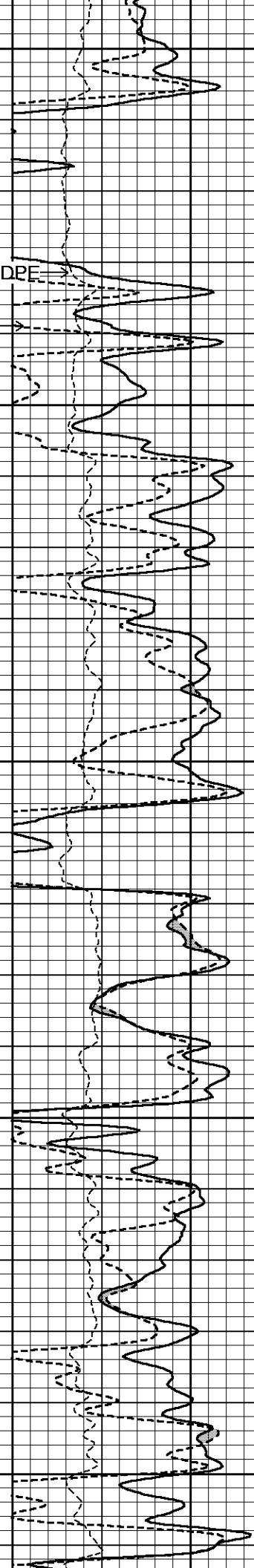
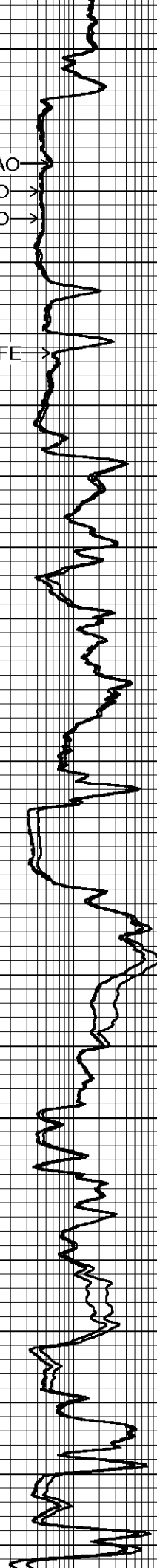


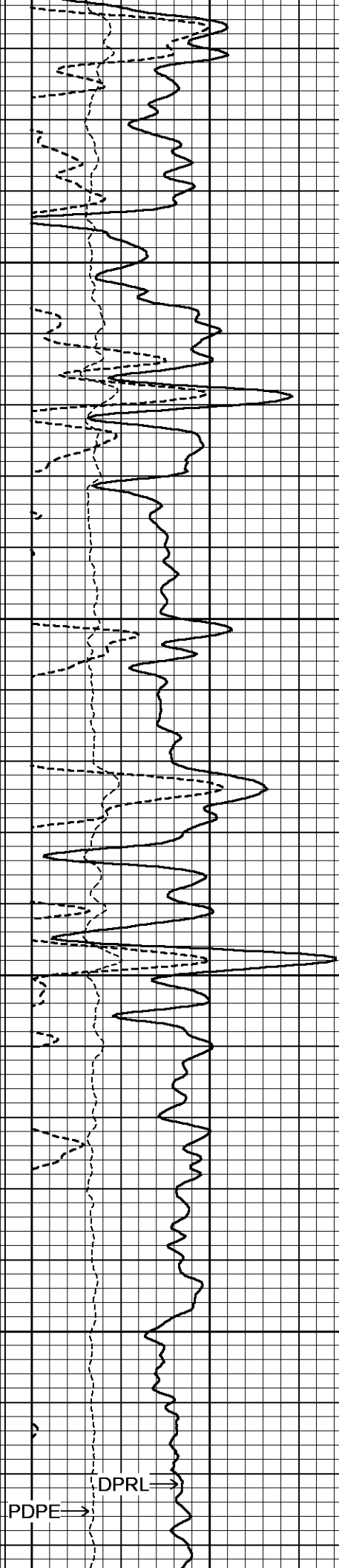
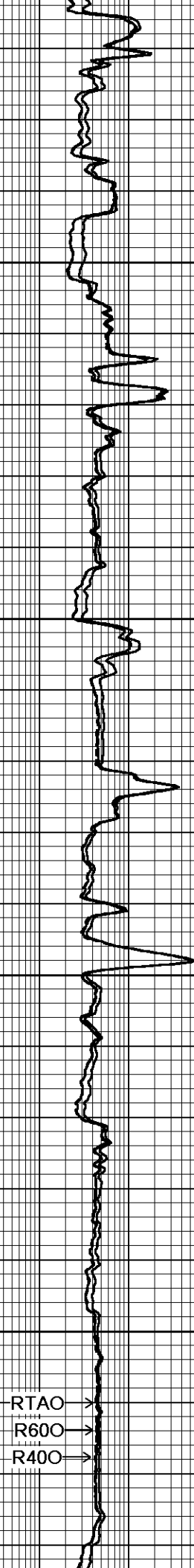
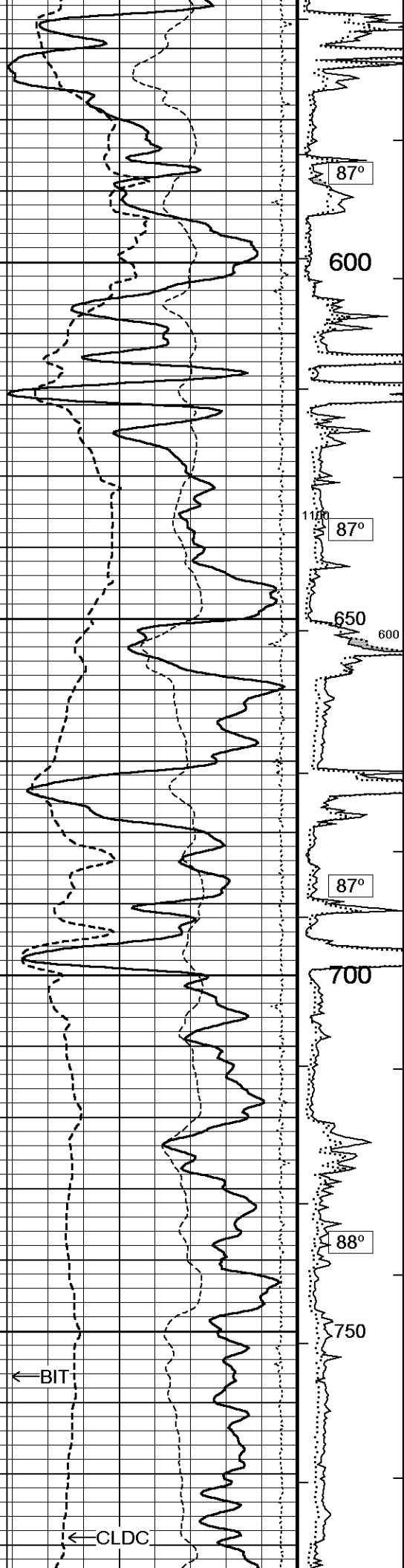
RTAO
R600
R400

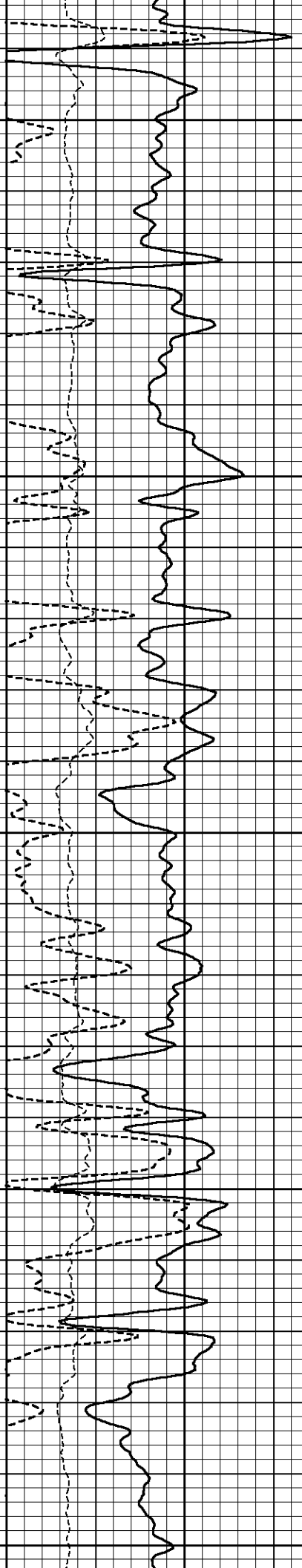
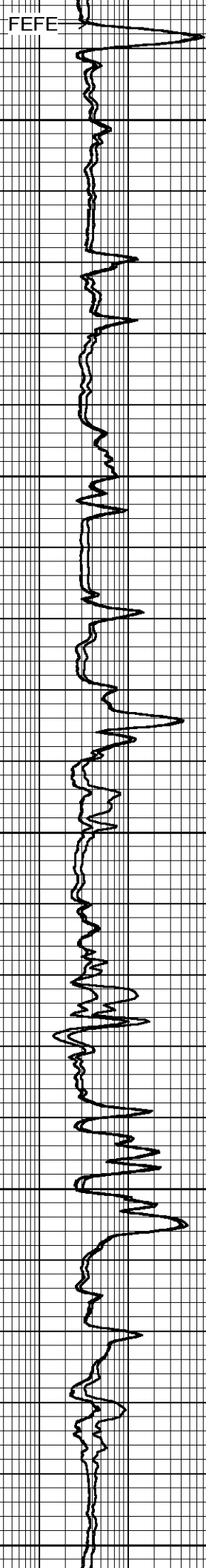
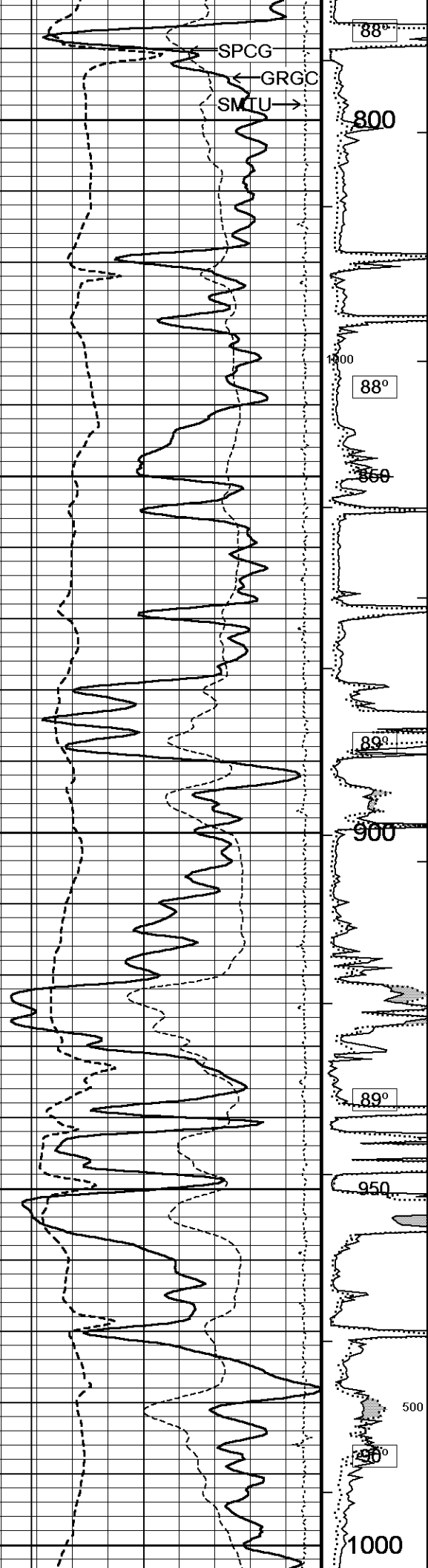
FEFE

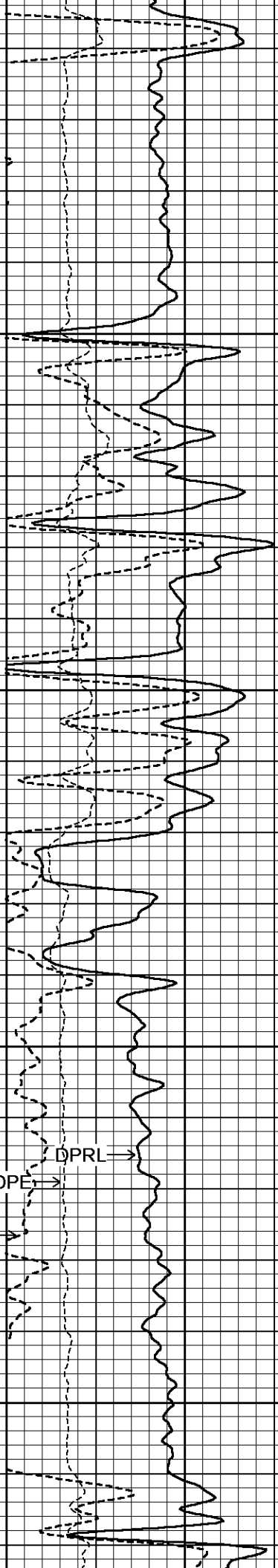
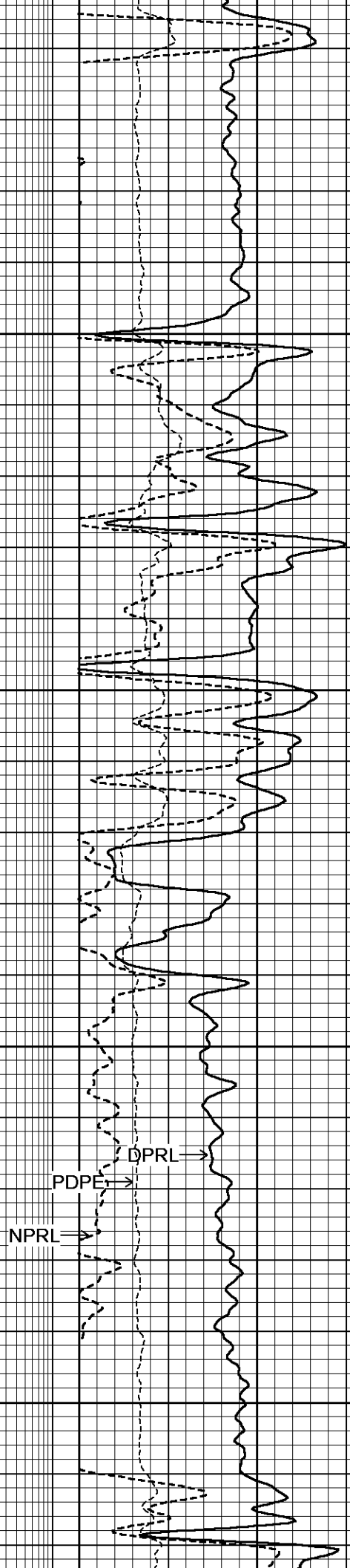
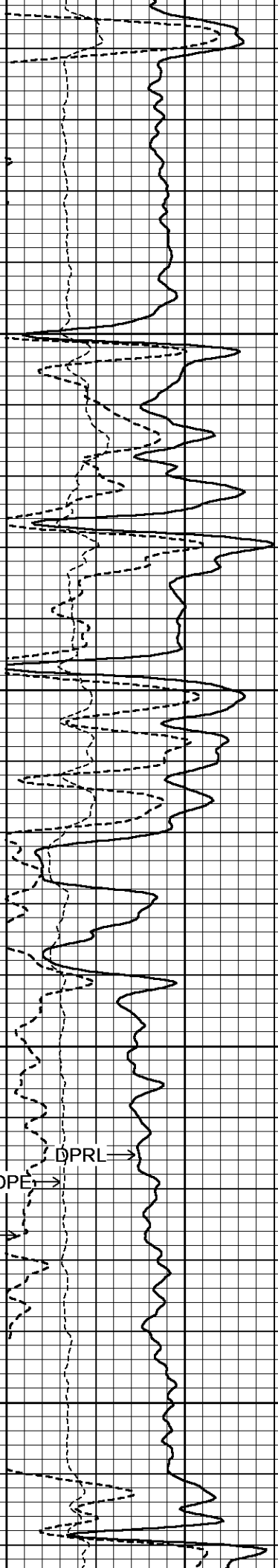
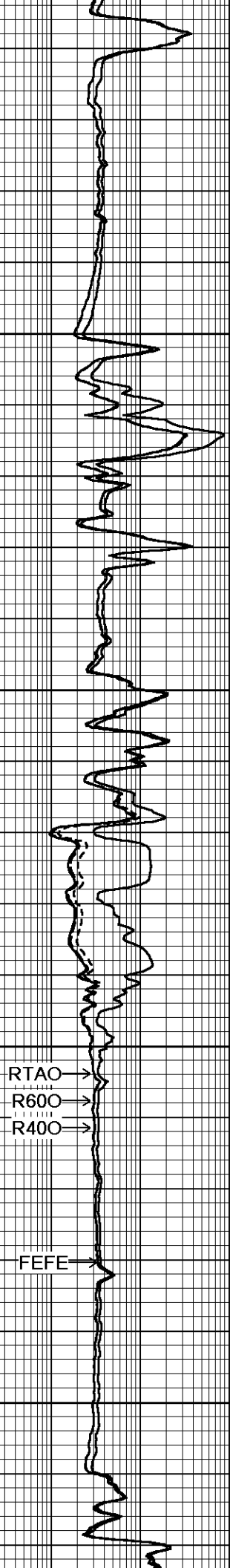
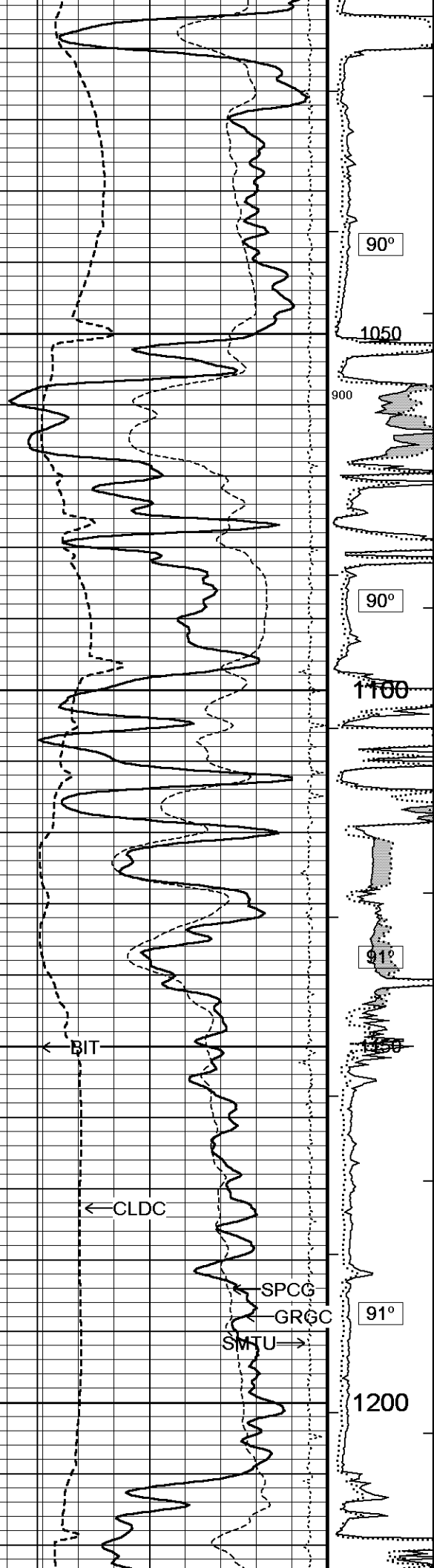
PDPE

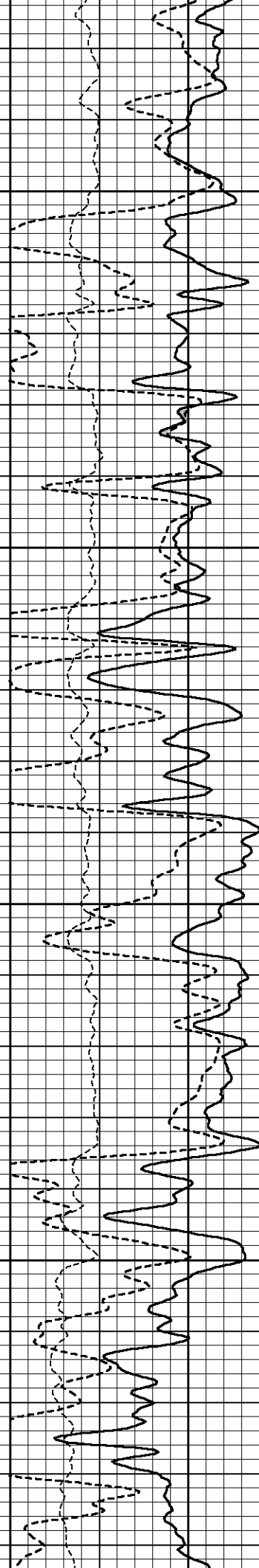
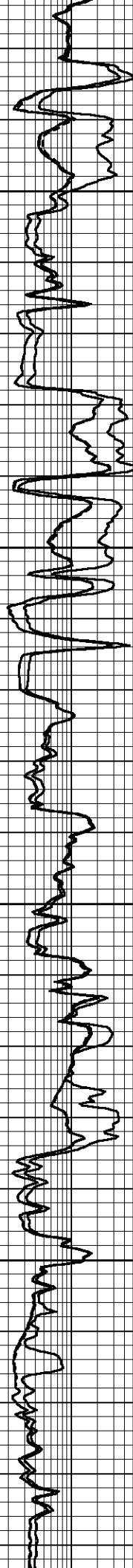
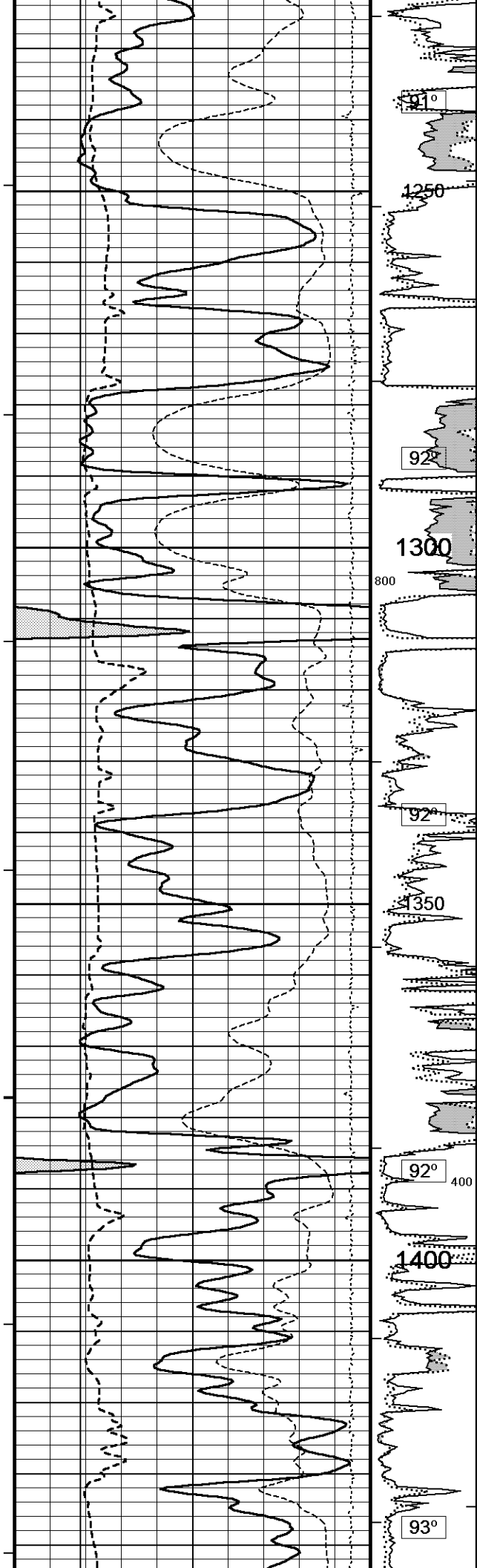
NPRL

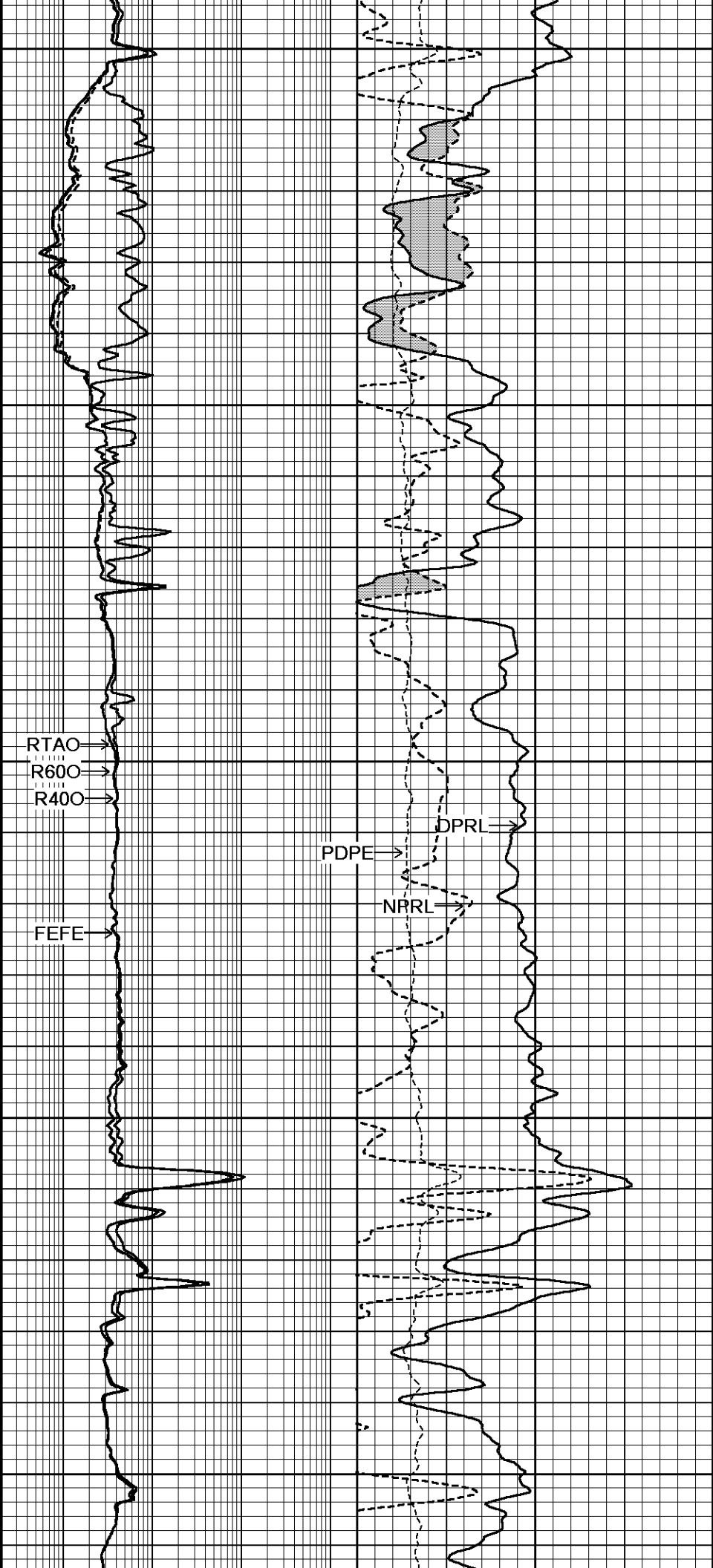
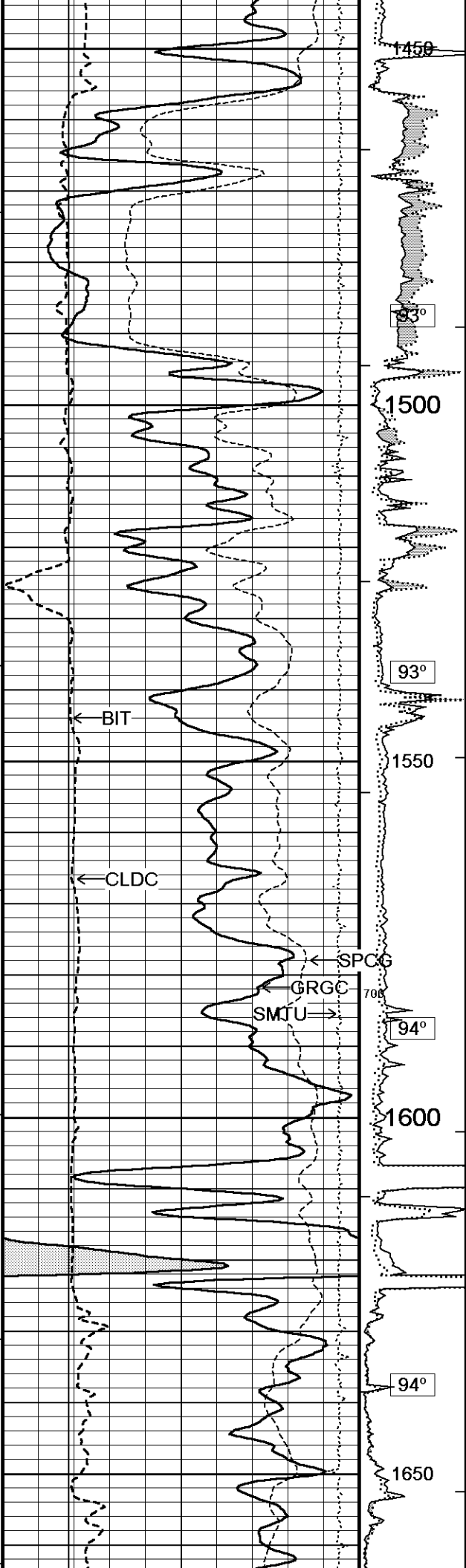


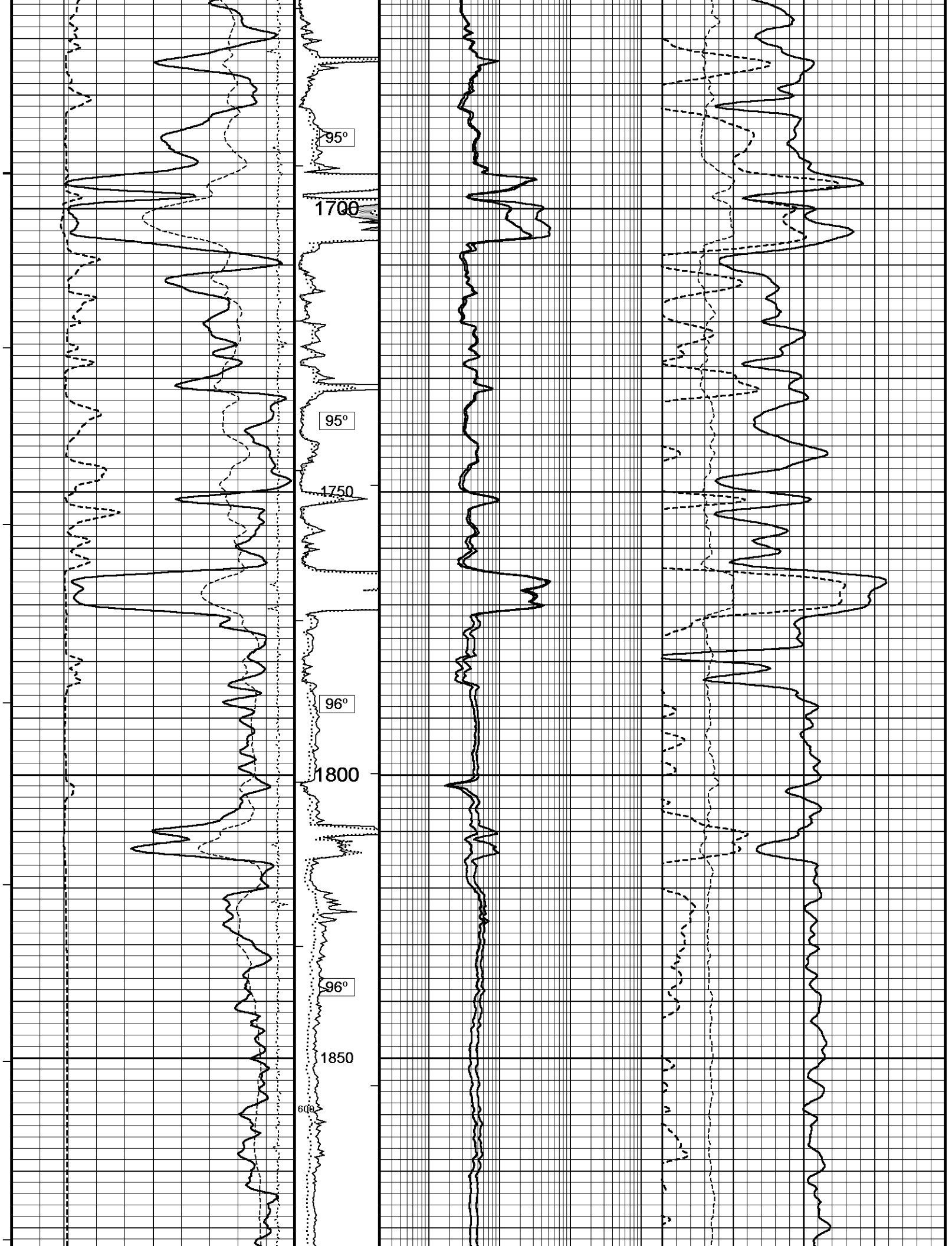


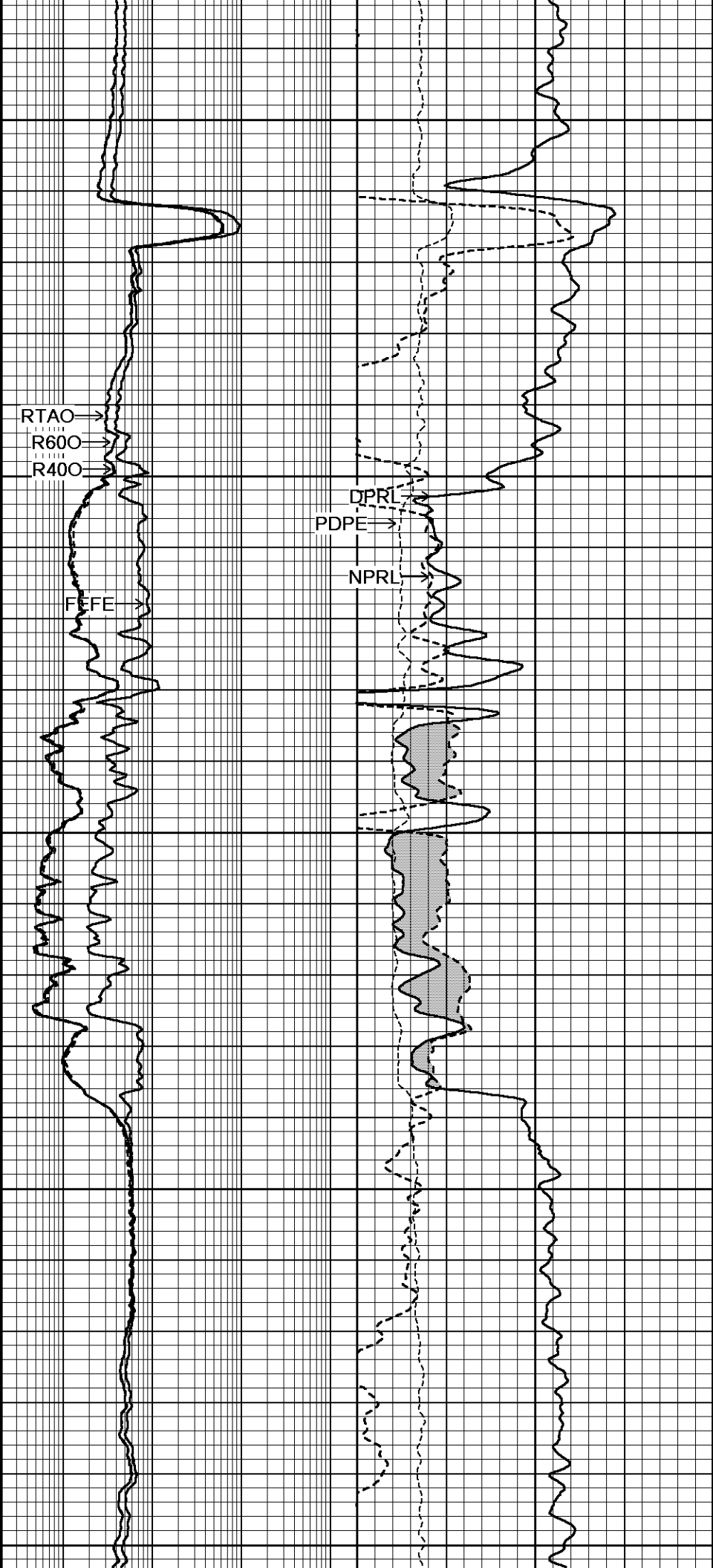
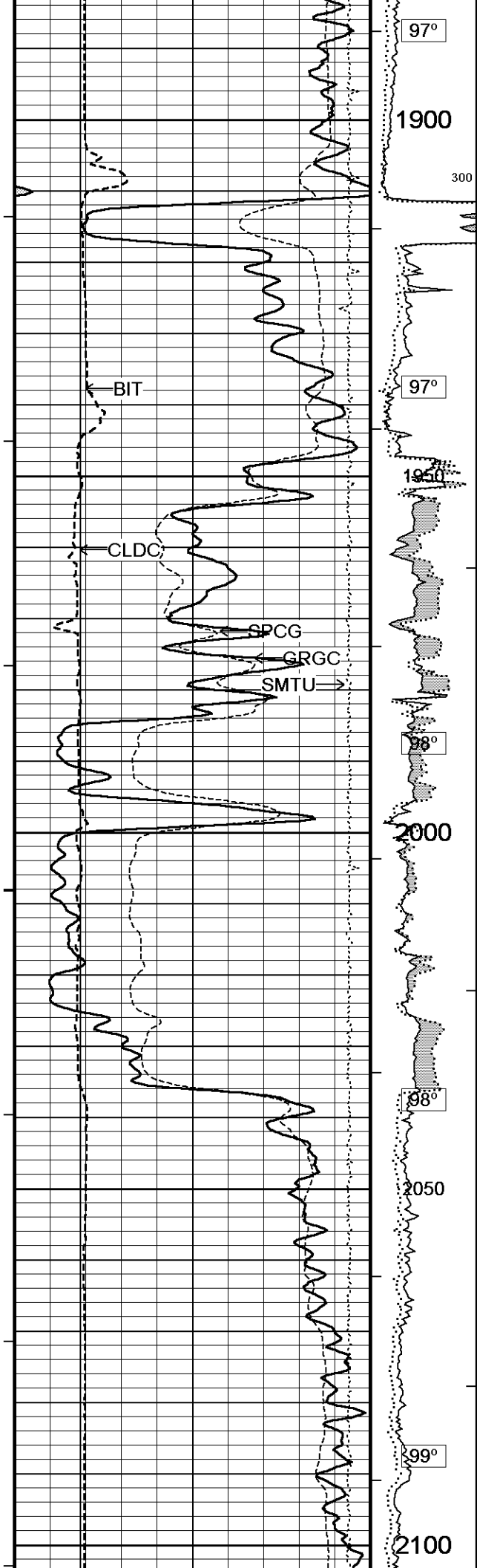


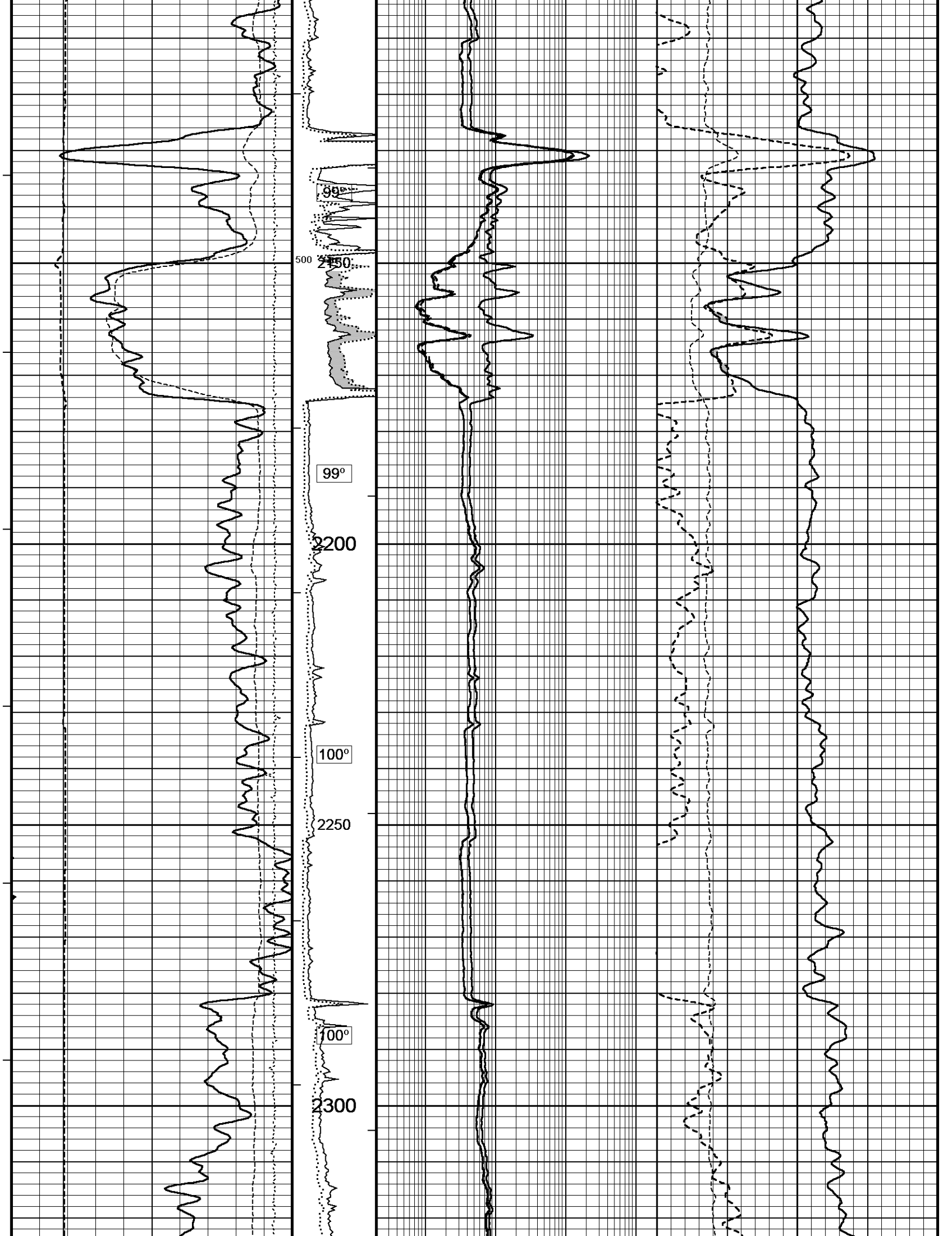












← BIT

← CLDC

← SPCG
← GRGC
← SMTU

101°

2350

102°

2400

103°

400

2450

102°

2500

103°

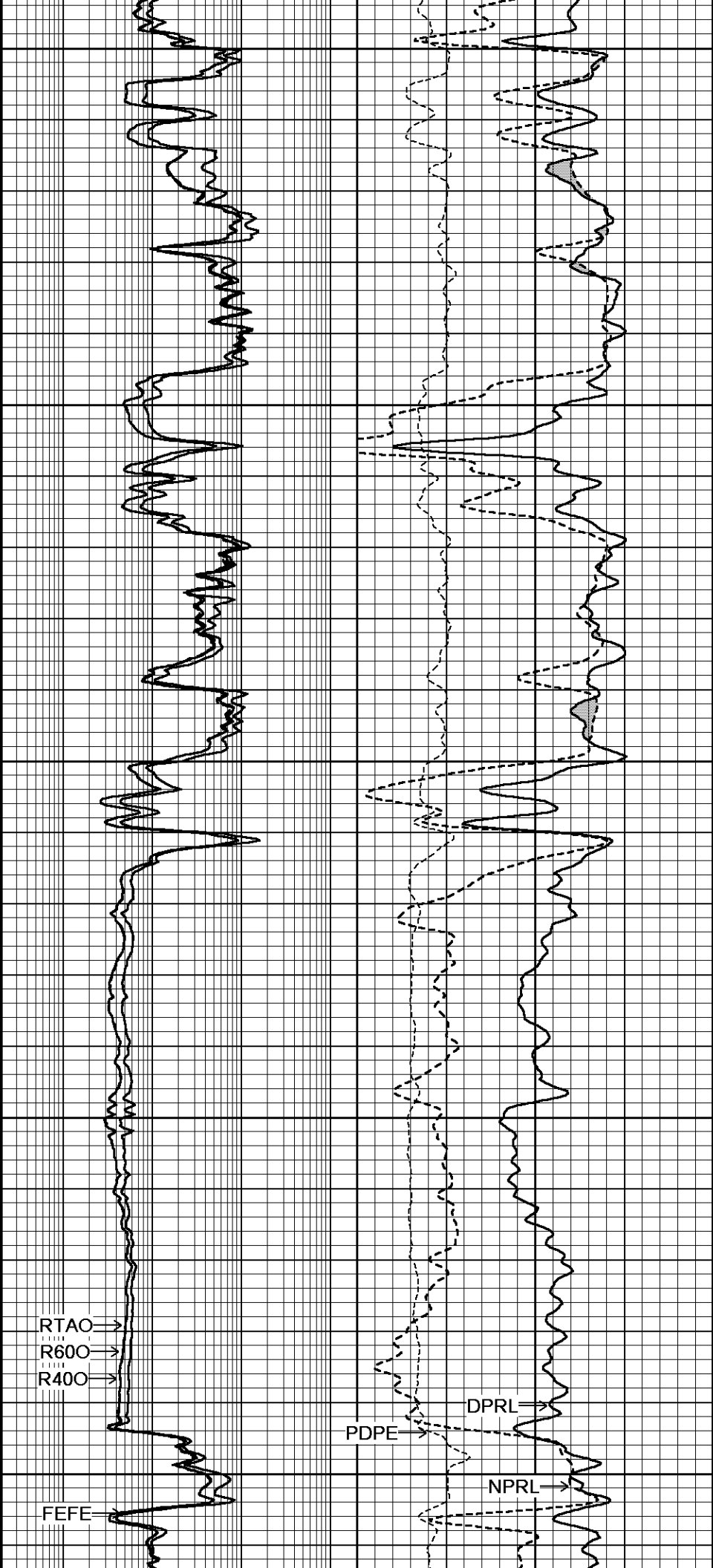
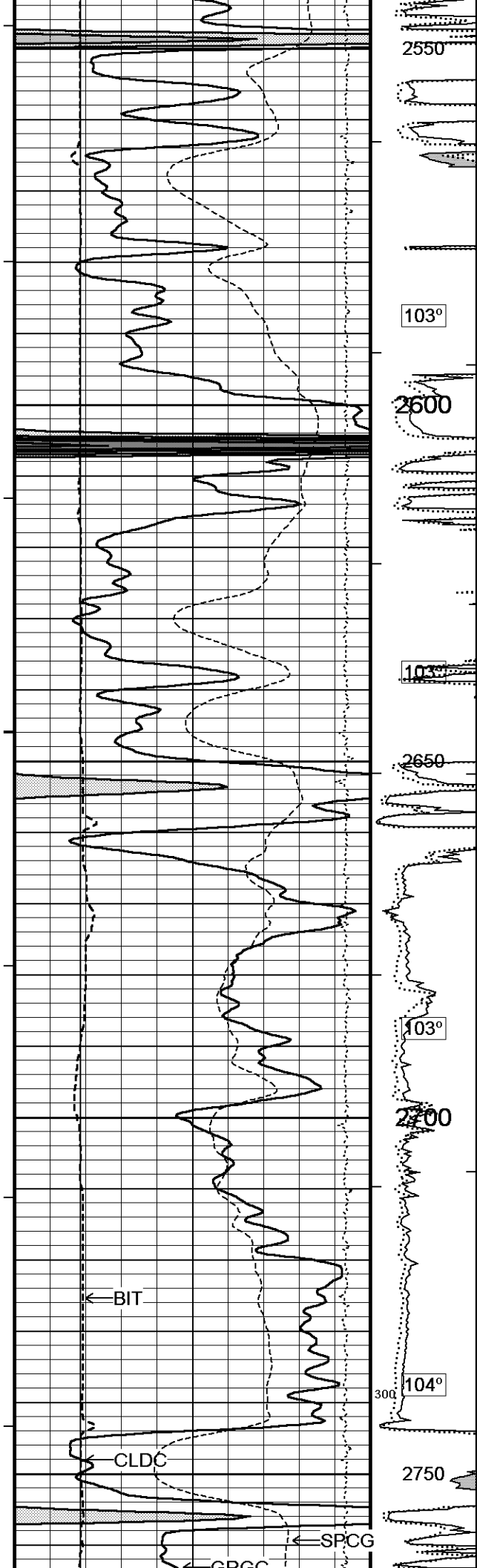
RTAO
R600
R400

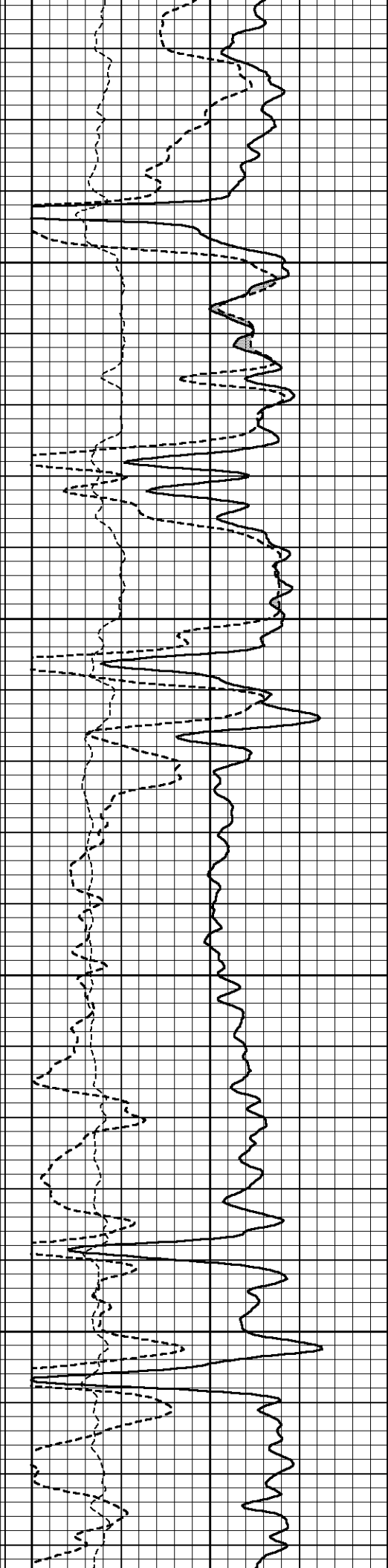
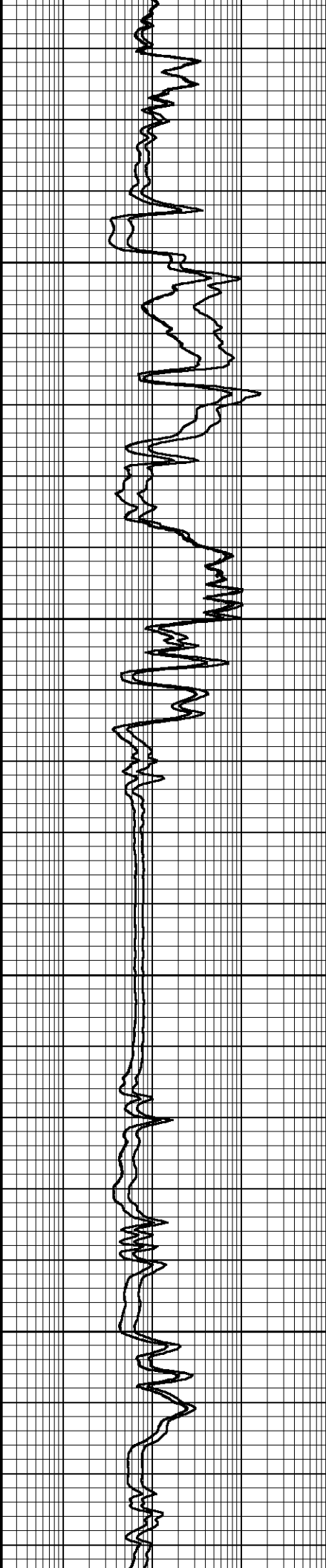
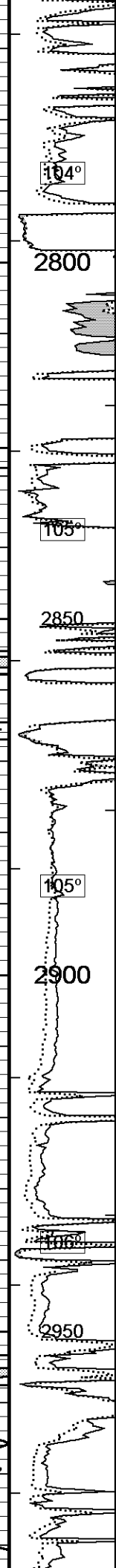
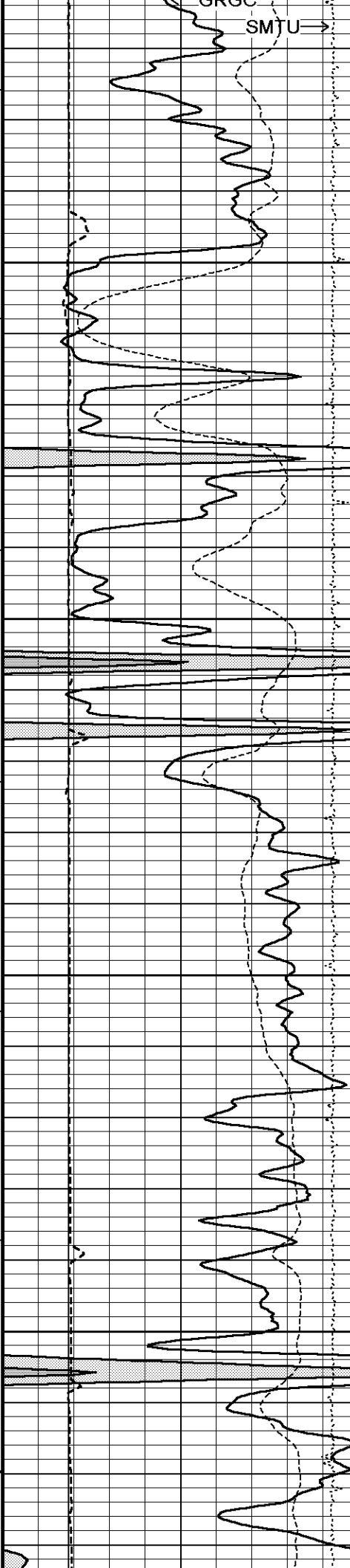
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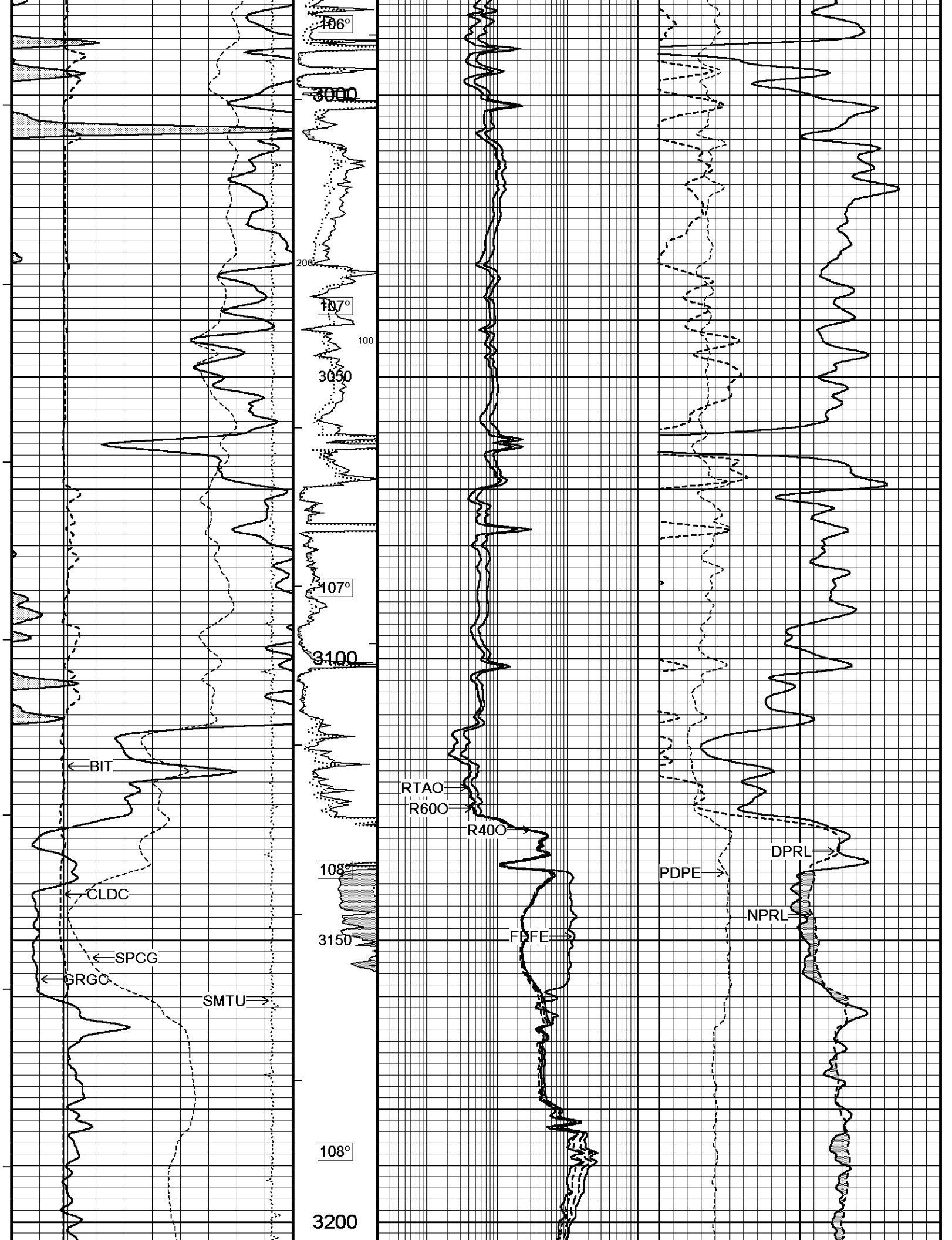
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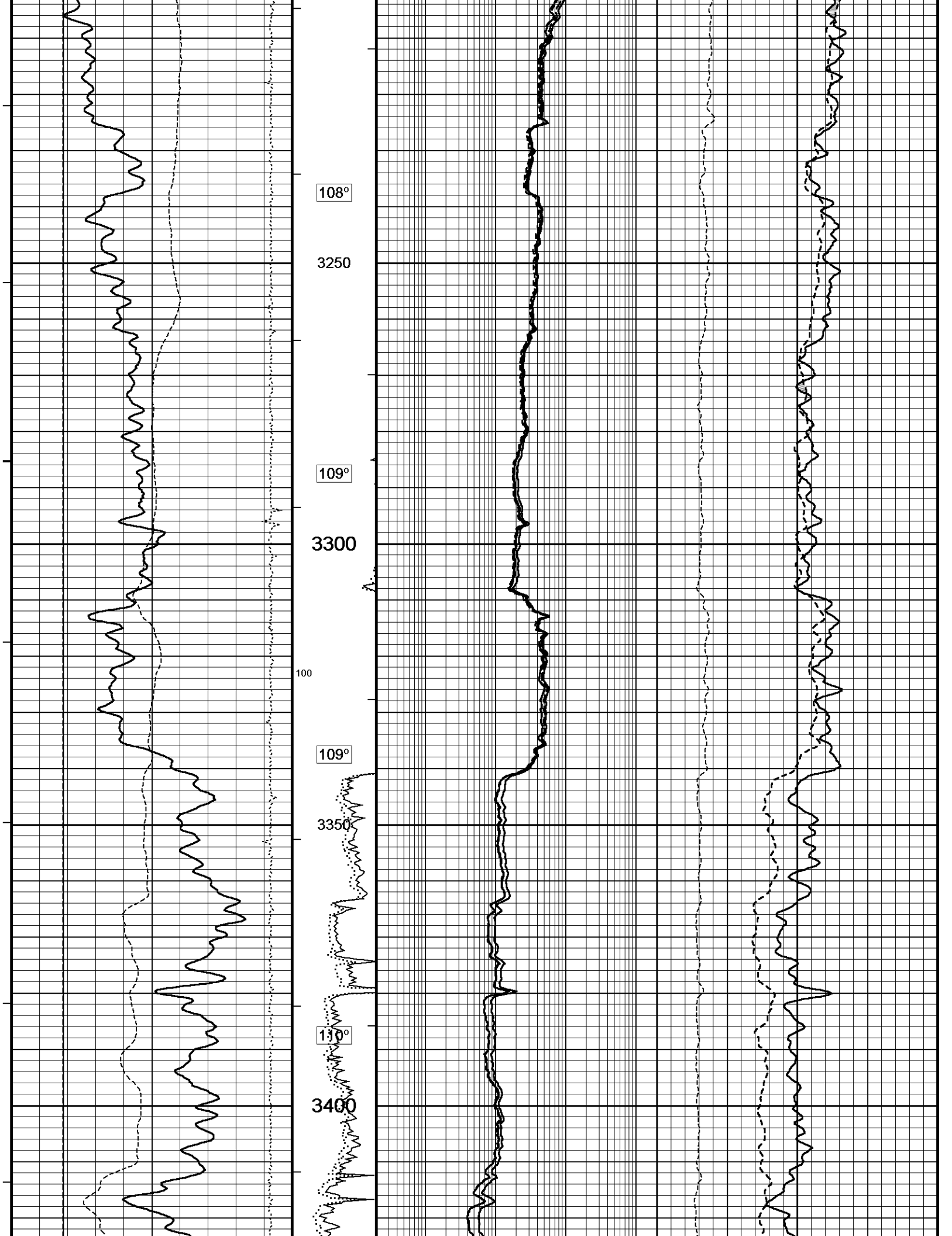
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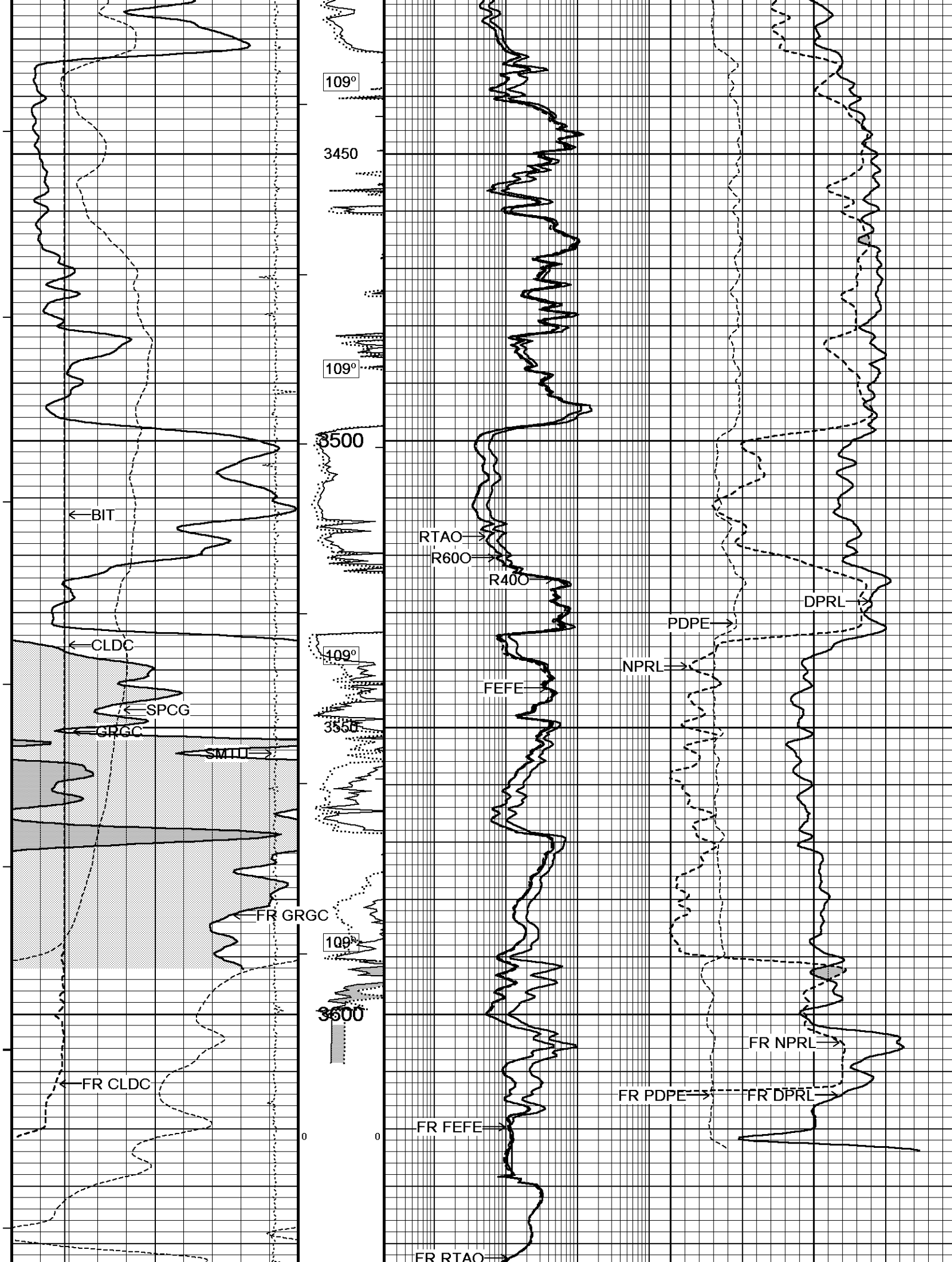
DPRL











FR SMTU=FR SPCG TD

3650

Depth
in
FeetTiming Marks
every 60.0 sec

Gamma Ray

API

75

225

300

Borehole
Temp in
deg F

MNRL

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

MINV

Density Caliper
inches

11

16

HVI
every
10 cu ftAnnular
Integral
every
10 cu ftBit Size
inches

11

16

DST Uphole Tension
pounds

5000

0

Replay
Scale
1:240Shallow FE
ohm metres

0.20

1

10

100

2000

1000

Limestone Neutron Por.
percent

30

10

-10

Array Ind. One Res 40
ohm metres

0.20

1

10

100

2000

1000

Limestone Density Por.
percent

30

10

-10

Array Ind. One Res 60
ohm metres

0.20

1

10

100

2000

1000

Array Ind. One Res Rt
ohm metres

0.20

1

10

100

2000

1000

PE
barns/electron

0

10

Depth Based Data - Maximum Sampling Increment 10.0cm

Plotted on 09-DEC-2014 17:32

Filename: D:\14.03.4393\DATA\TAOS RESOURCES OPERATING CO, LLC (WEBBE...Main Pass.dta

Recorded on 09-DEC-2014 14:52

System Versions: Logged with 14.03.4393 Plotted with 14.03.4393



5 INCH MAIN LOG 1:240



10 INCH HIGH RESOLUTION LOG 1:120



Depth Based Data - Maximum Sampling Increment 2.5cm

Plotted on 09-DEC-2014 17:32

Filename: D:\14.03.4393\DATA\TAOS RESOURCES OPERATING CO, LLC (WEBBER 34...Hi Res.dta

Recorded on 09-DEC-2014 13:49

System Versions: Logged with 14.03.4393 Plotted with 14.03.4393

Timing Marks
every 60.0 sec

Gamma Ray

API

75

225

300

Depth
in
FeetBorehole
Temp in
deg FShallow FE
ohm metres

0.20

1

10

100

2000

1000

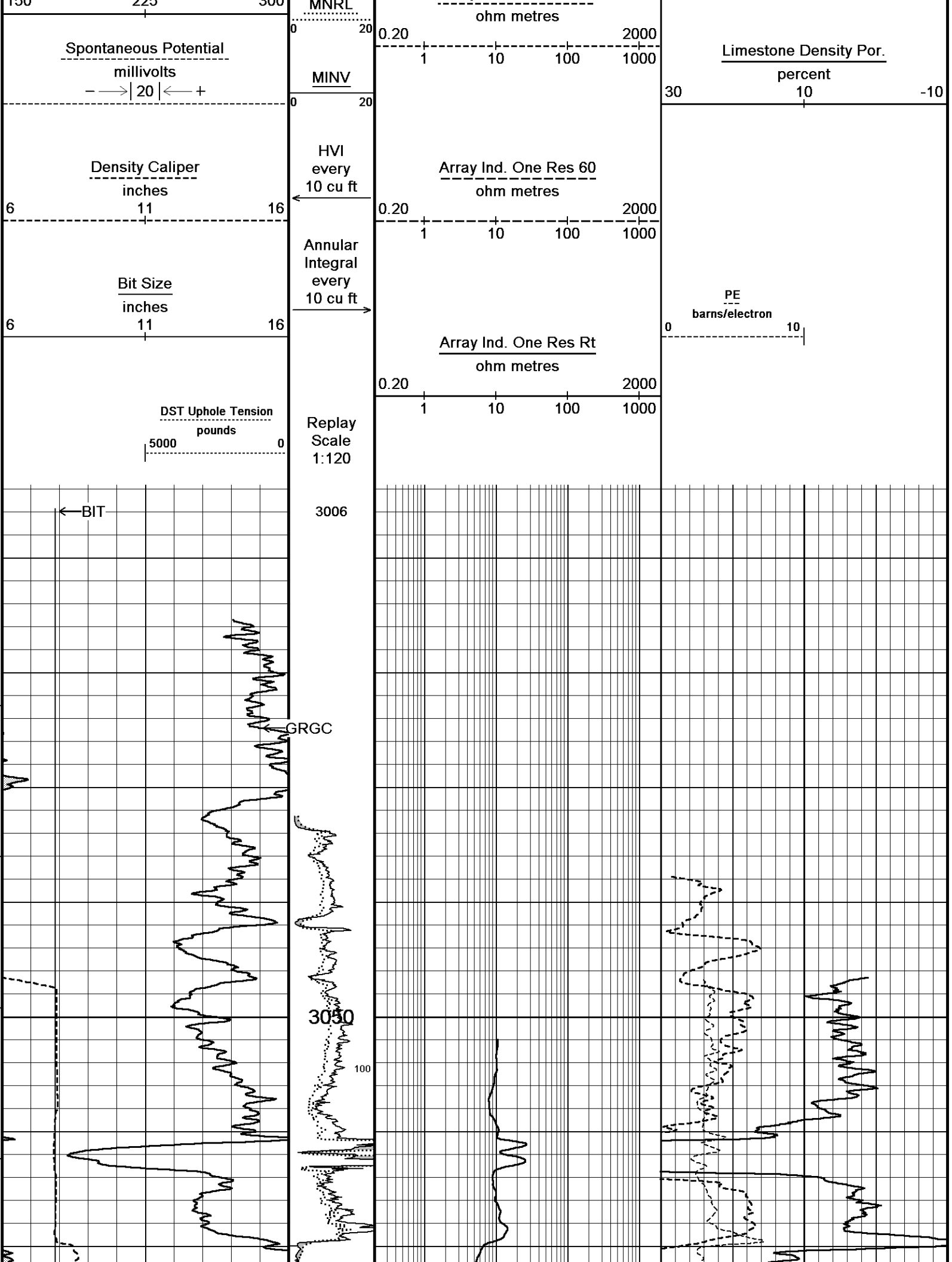
Limestone Neutron Por.
percent

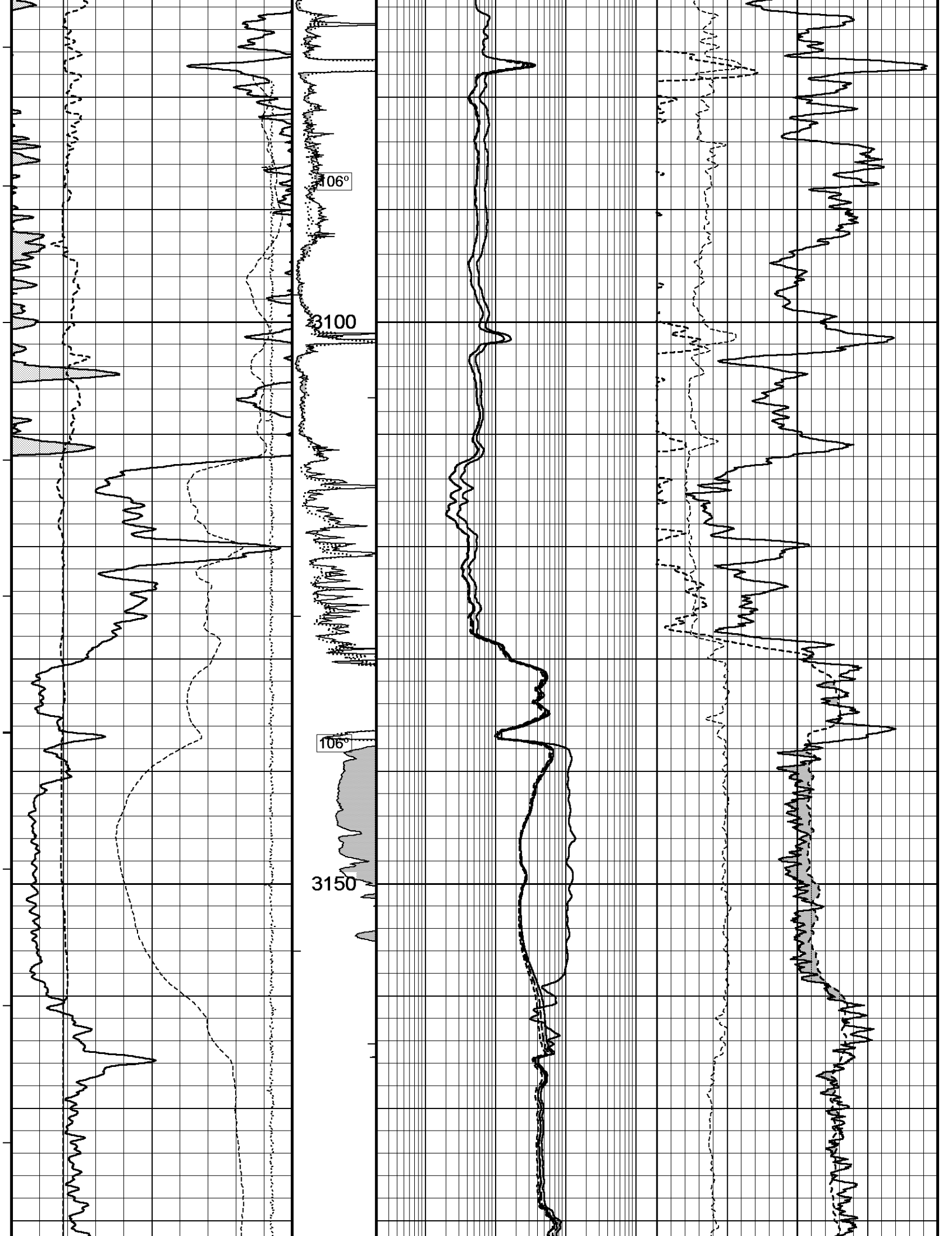
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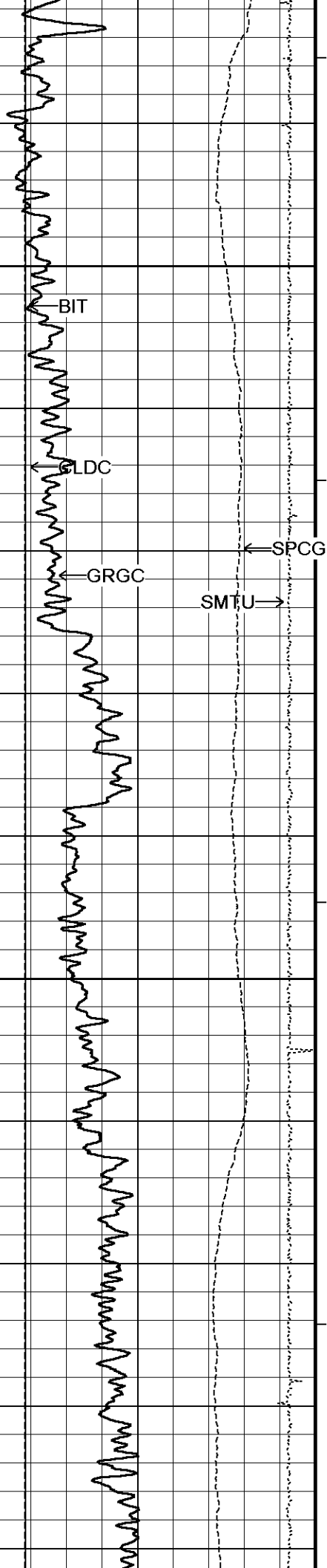
10

-10

Array Ind. One Res 40







107°

3200

BIT

LDC

GRGC

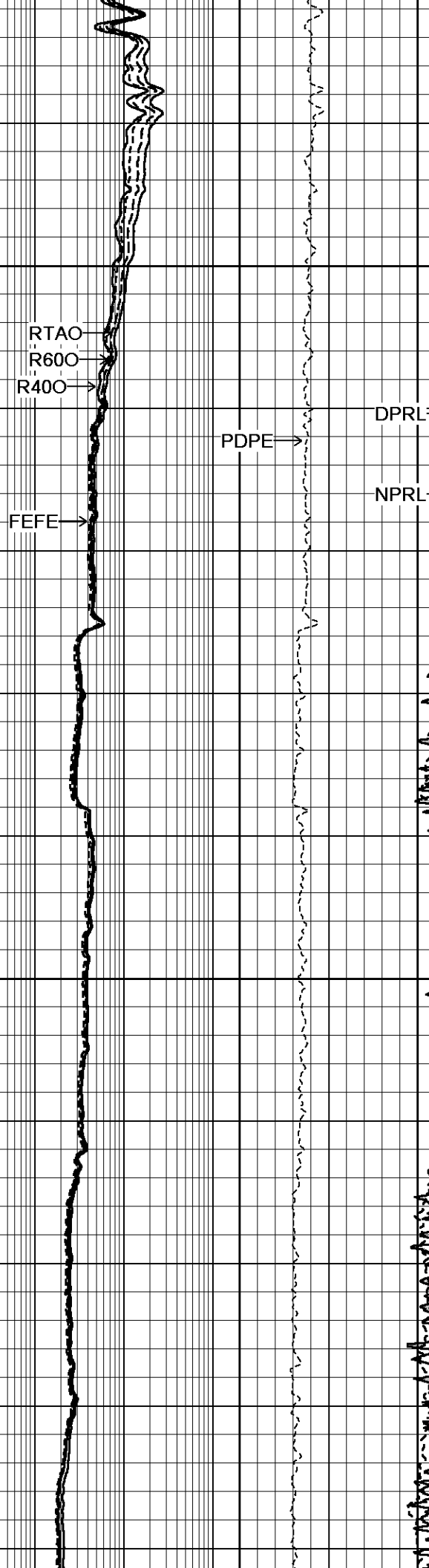
SPCG

SMTU

107°

3250

107°



RTAO

R600

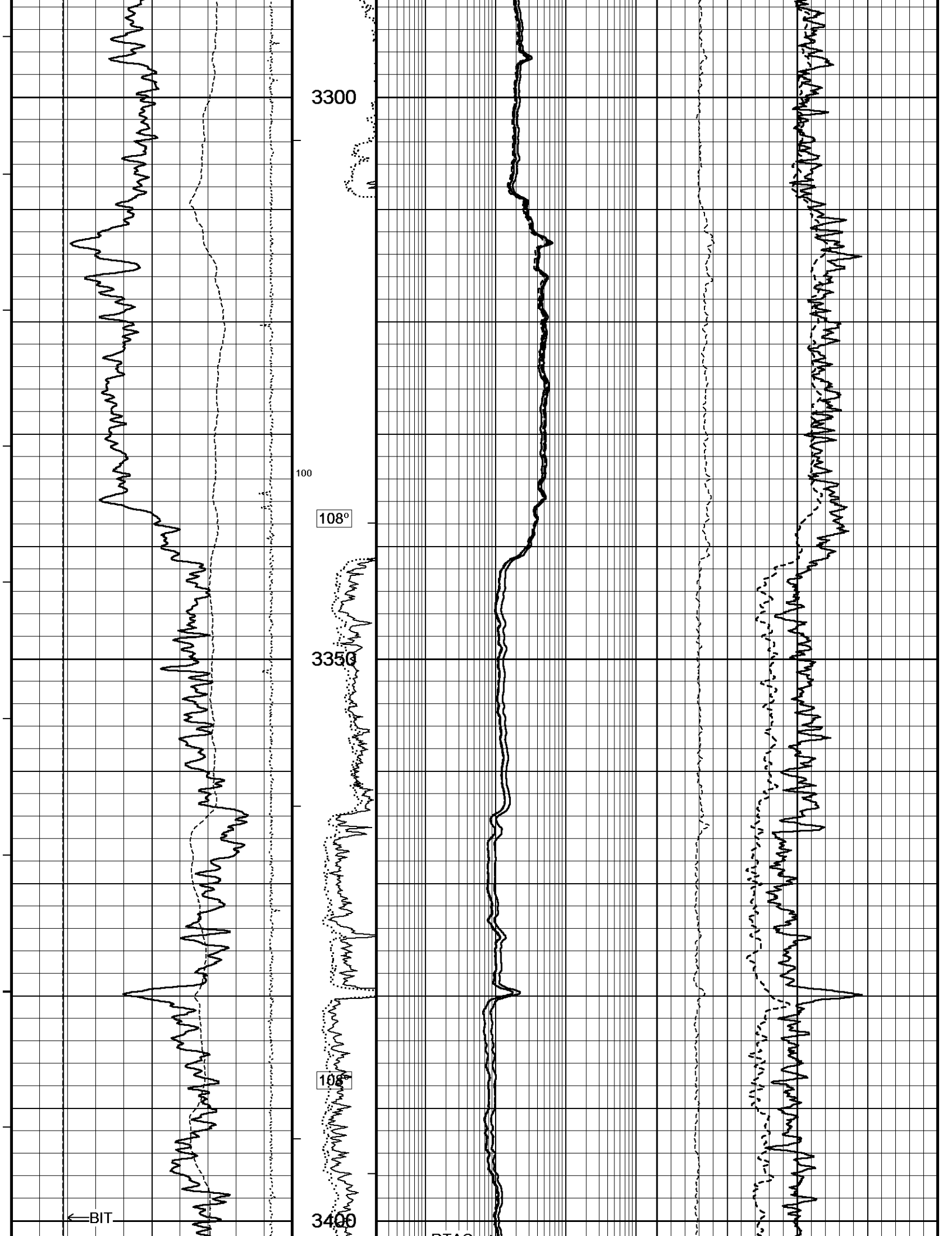
R400

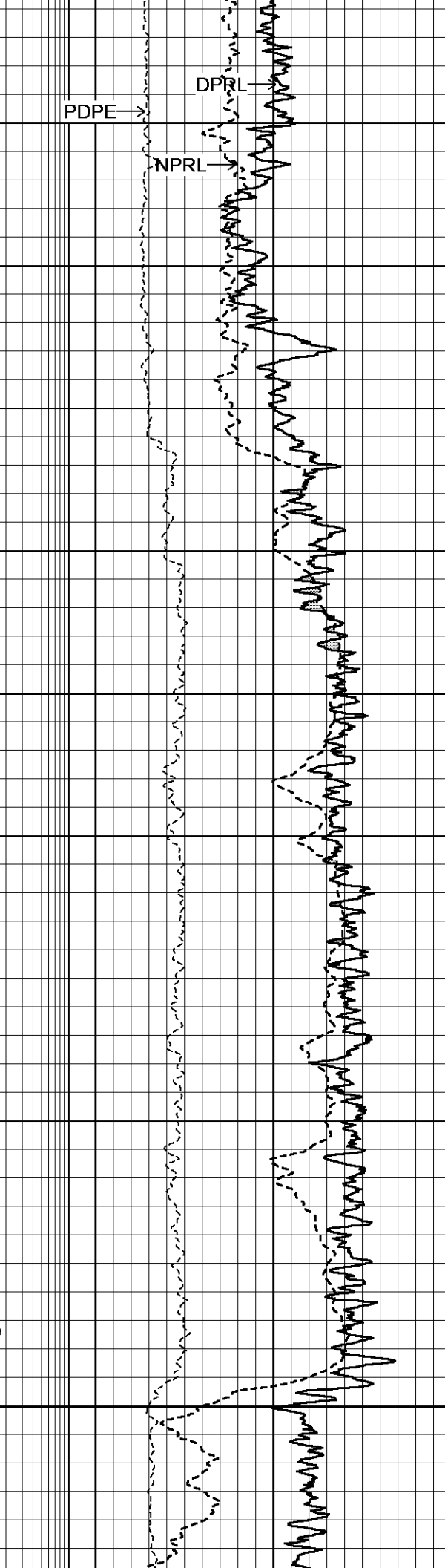
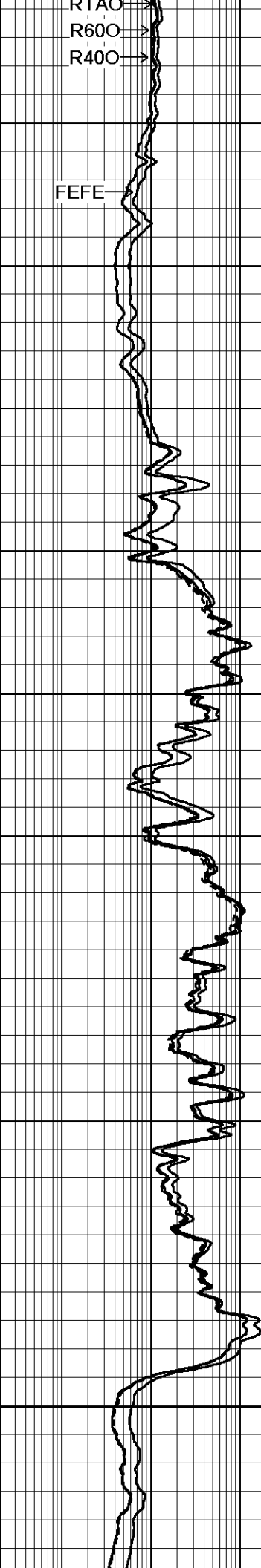
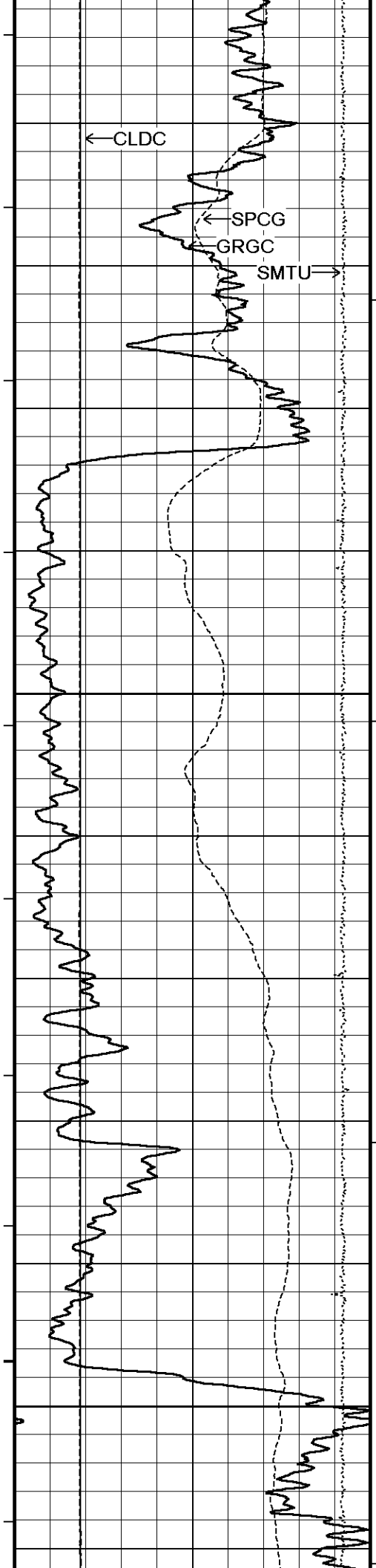
FEFE

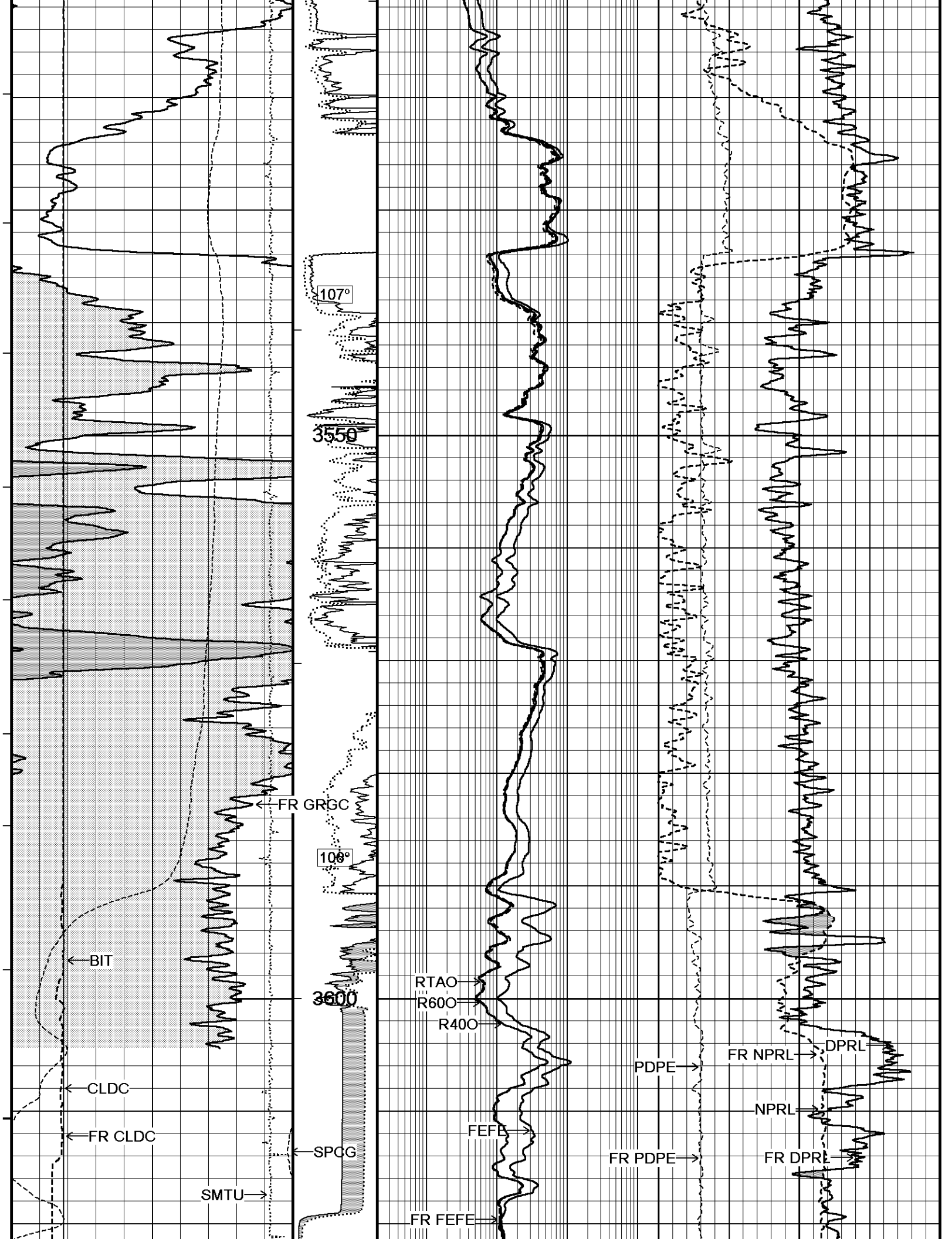
PDPE

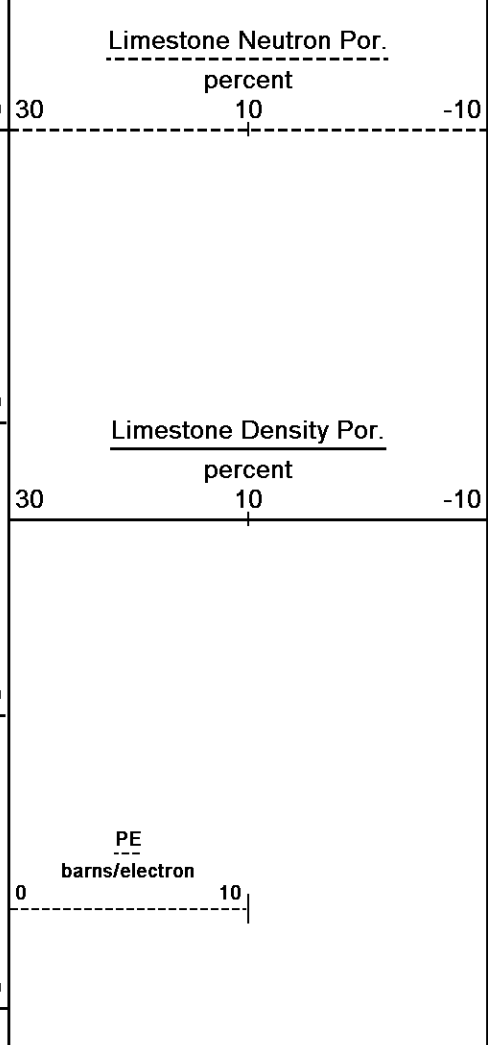
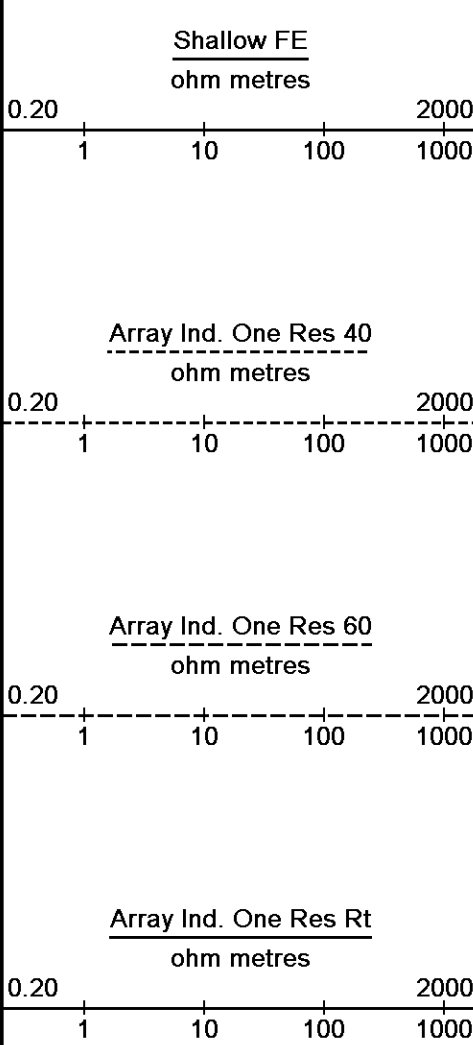
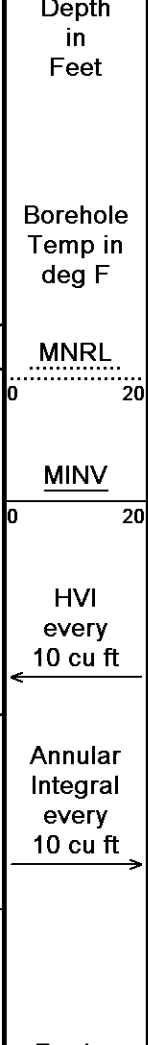
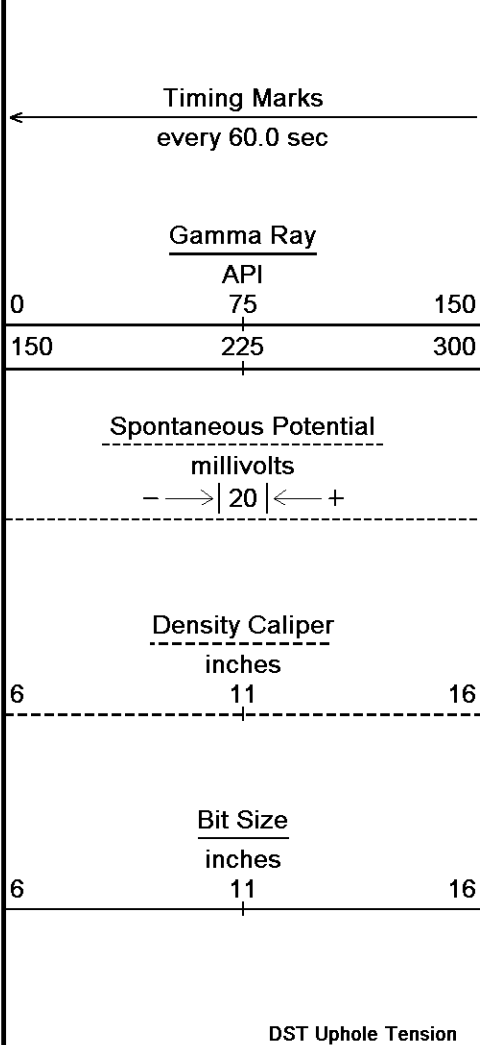
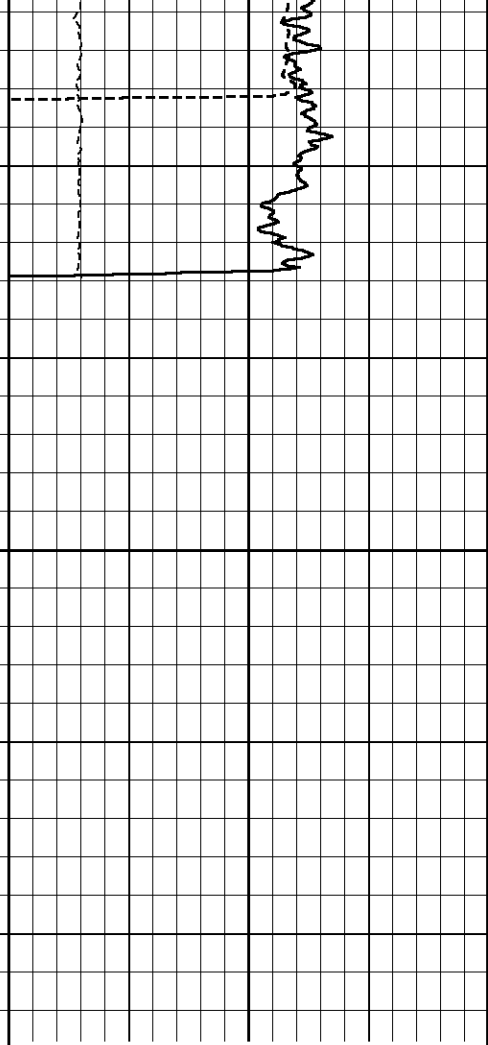
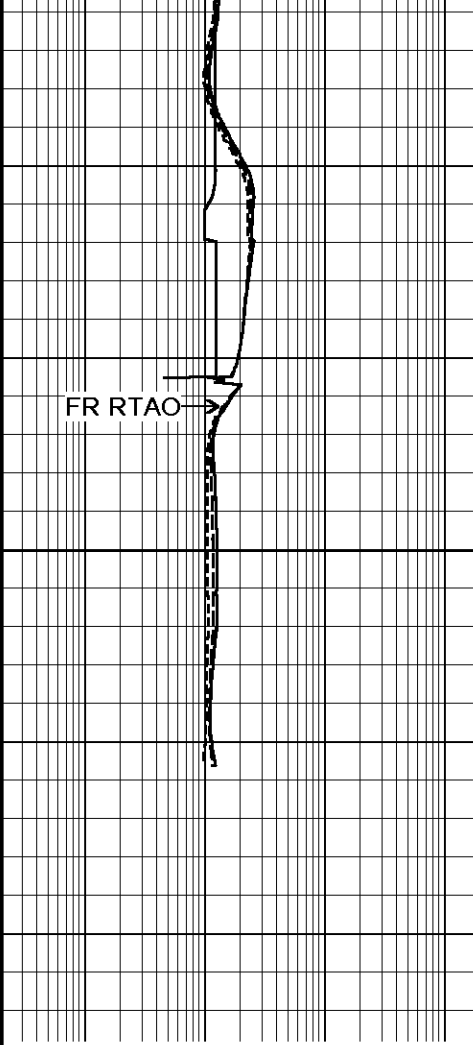
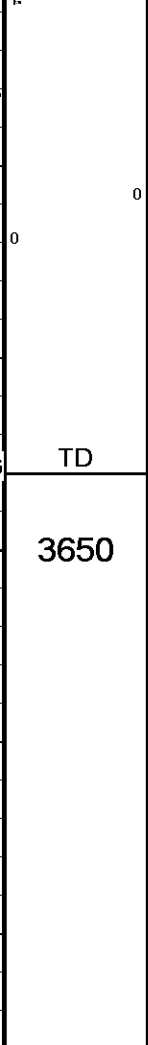
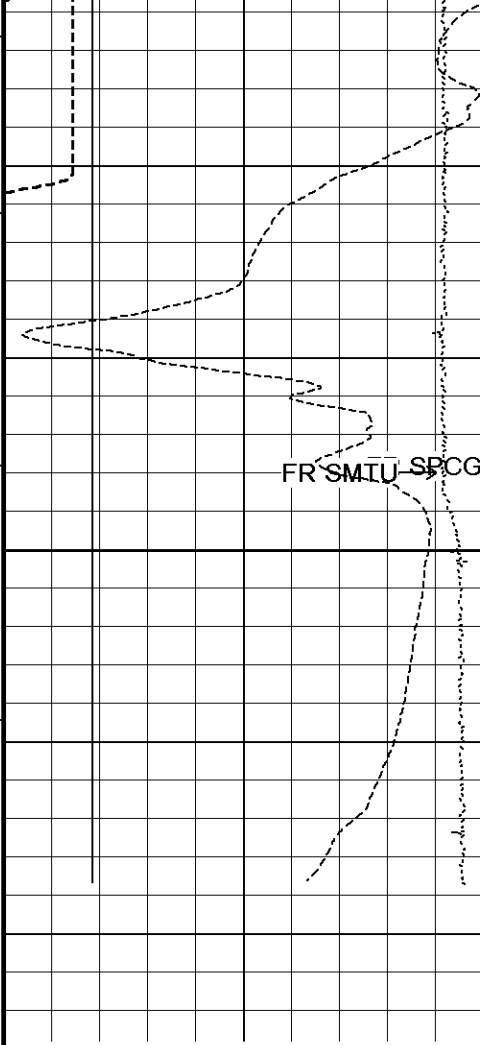
DPRL

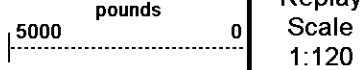
NPRL











Depth Based Data - Maximum Sampling Increment 2.5cm
Filename: D:\14.03.4393\DATA\TAOS RESOURCES OPERATING CO, LLC (WEBBER 34...\Hi Res.dta
System Versions: Logged with 14.03.4393 Plotted with 14.03.4393

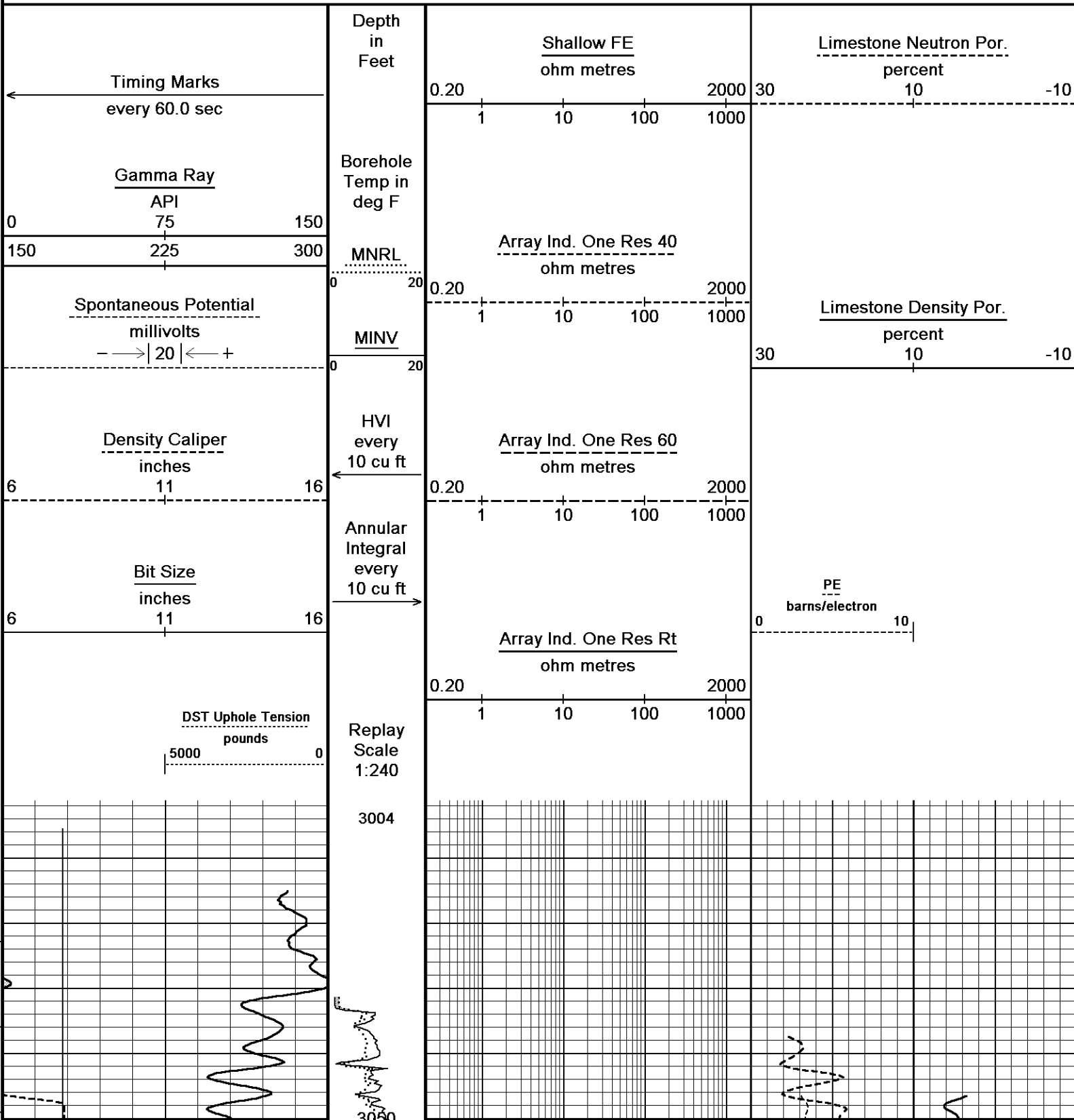
Plotted on 09-DEC-2014 17:32
Recorded on 09-DEC-2014 13:49

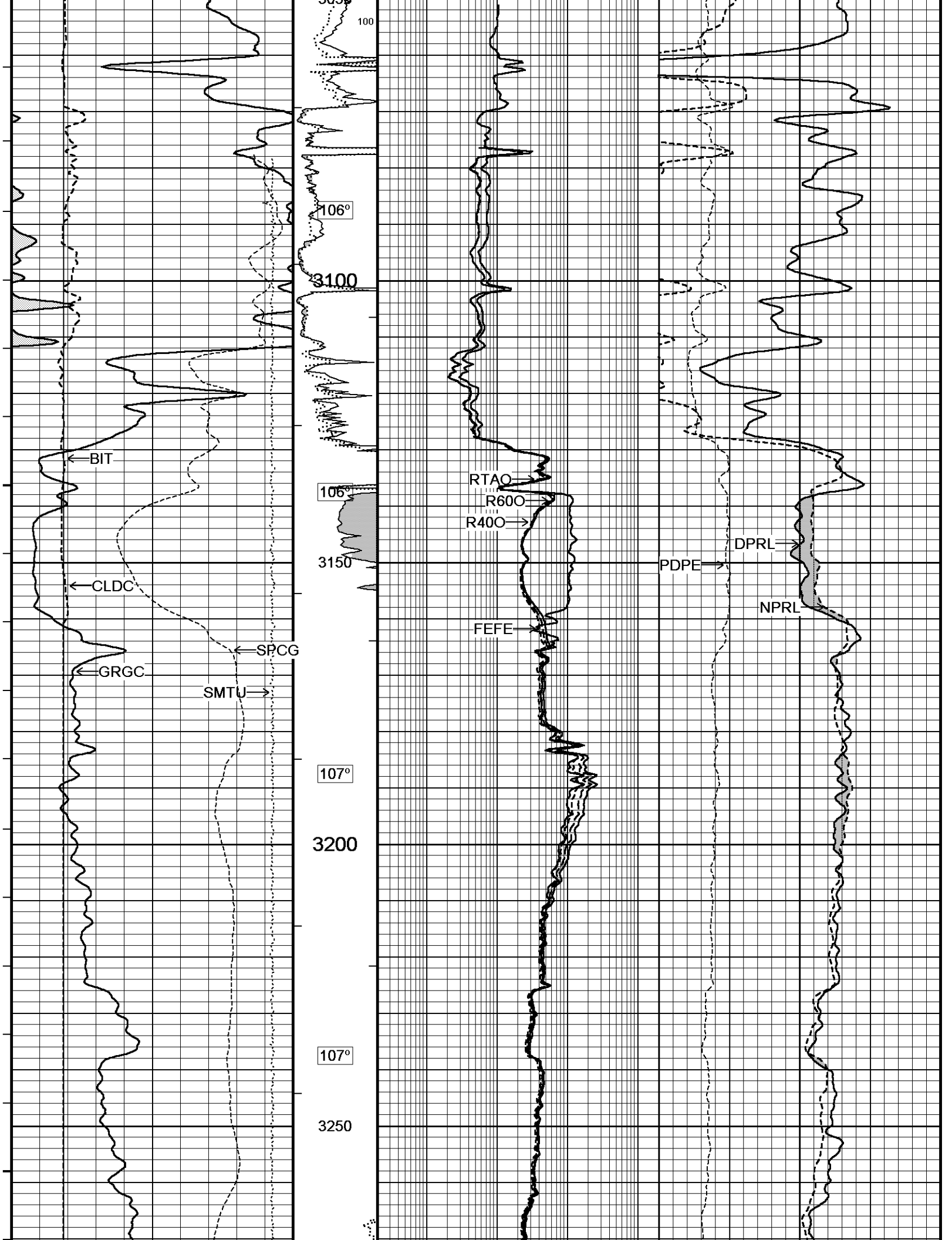
10 INCH HIGH RESOLUTION LOG 1:120

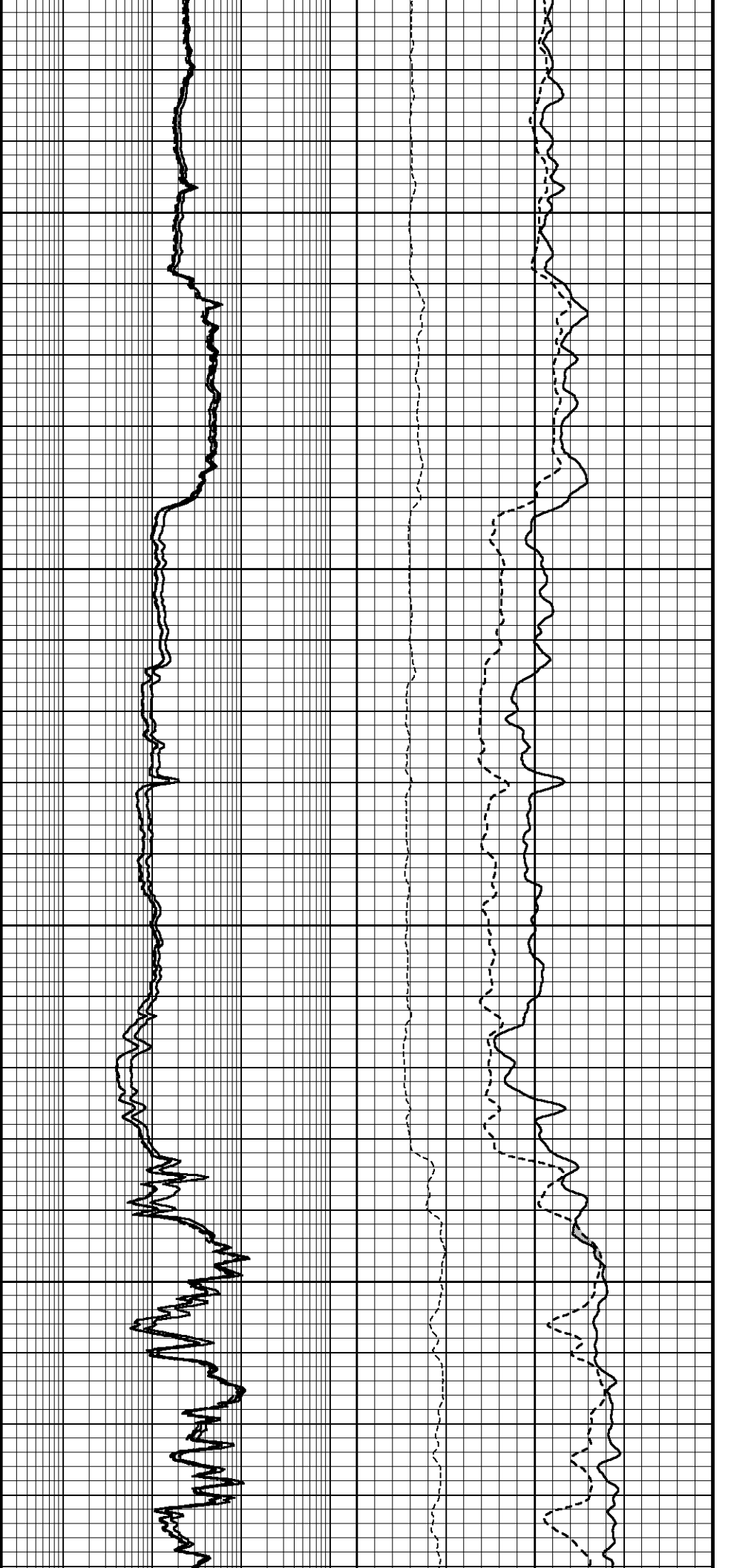
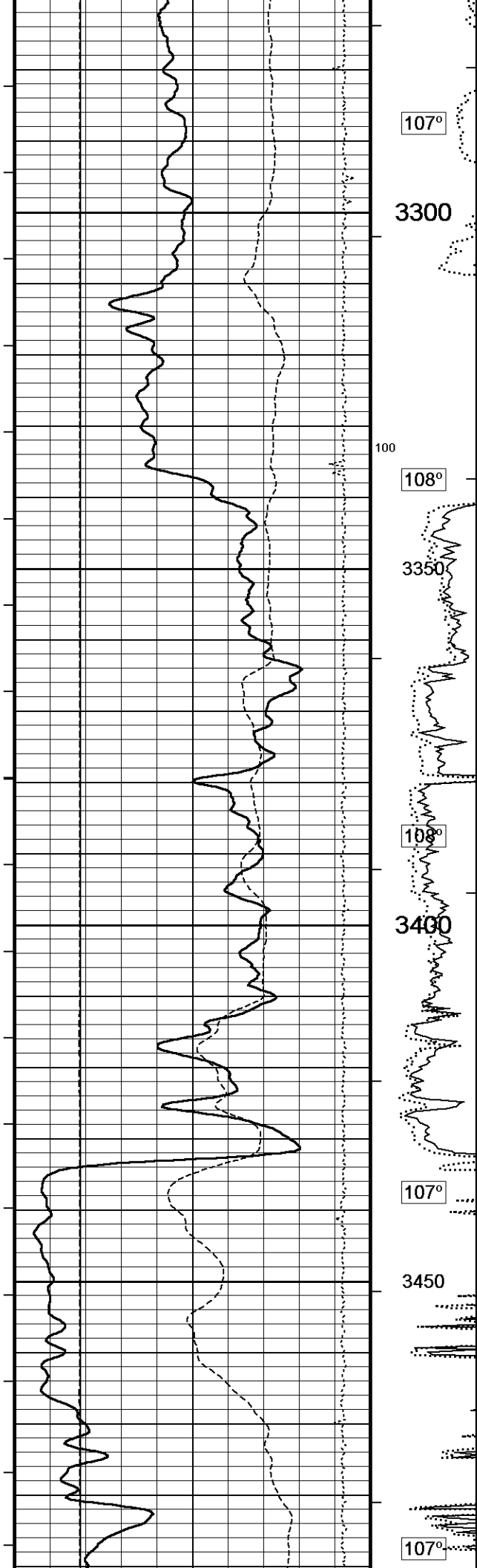
5 INCH REPEAT 1:240

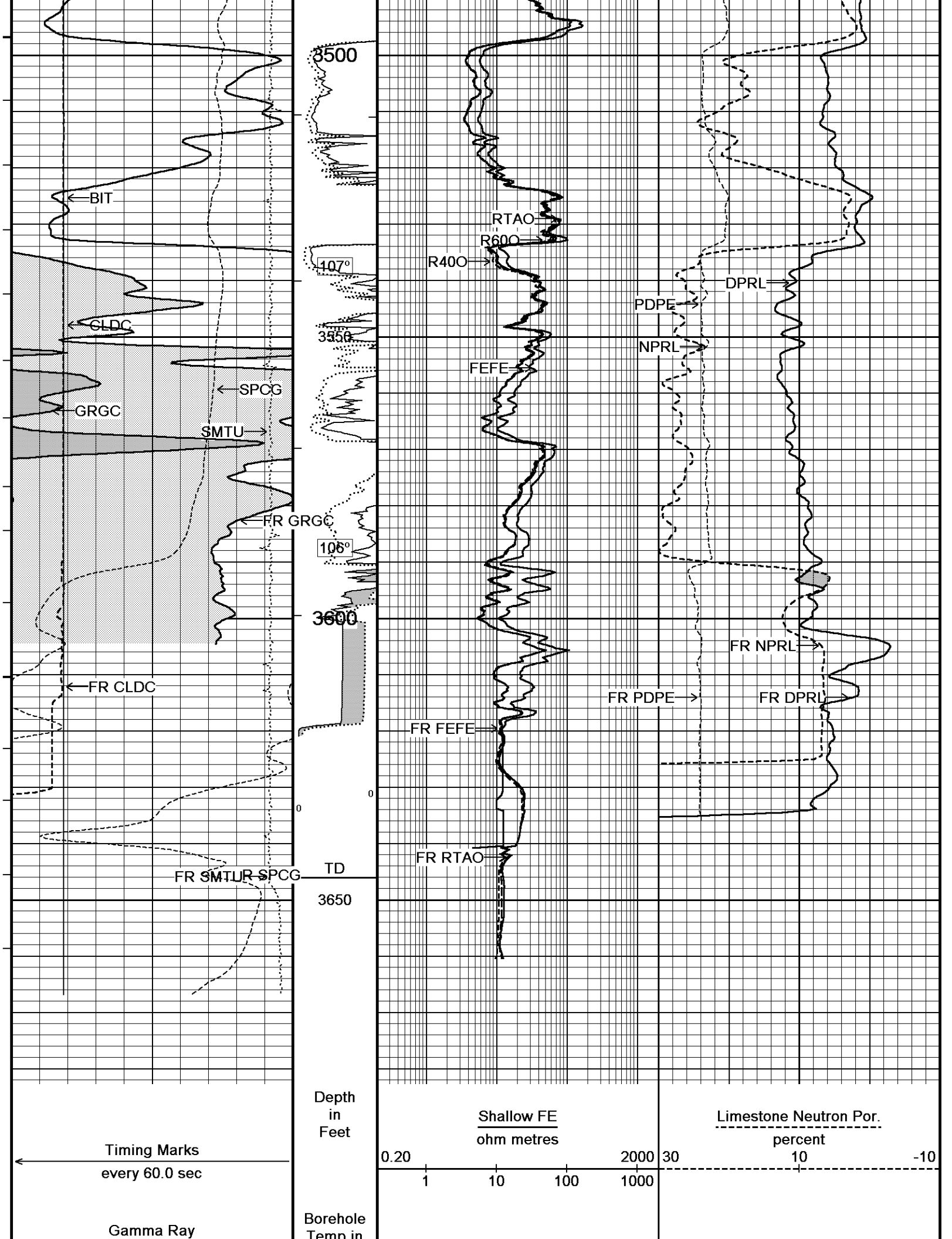
Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: D:\14.03.4393\DATA\TAOS RESOURCES OPERATING CO, LLC (WEB...\REPEAT_001.dta
System Versions: Logged with 14.03.4393 Processed with 14.03.4393 Plotted with 14.03.4393

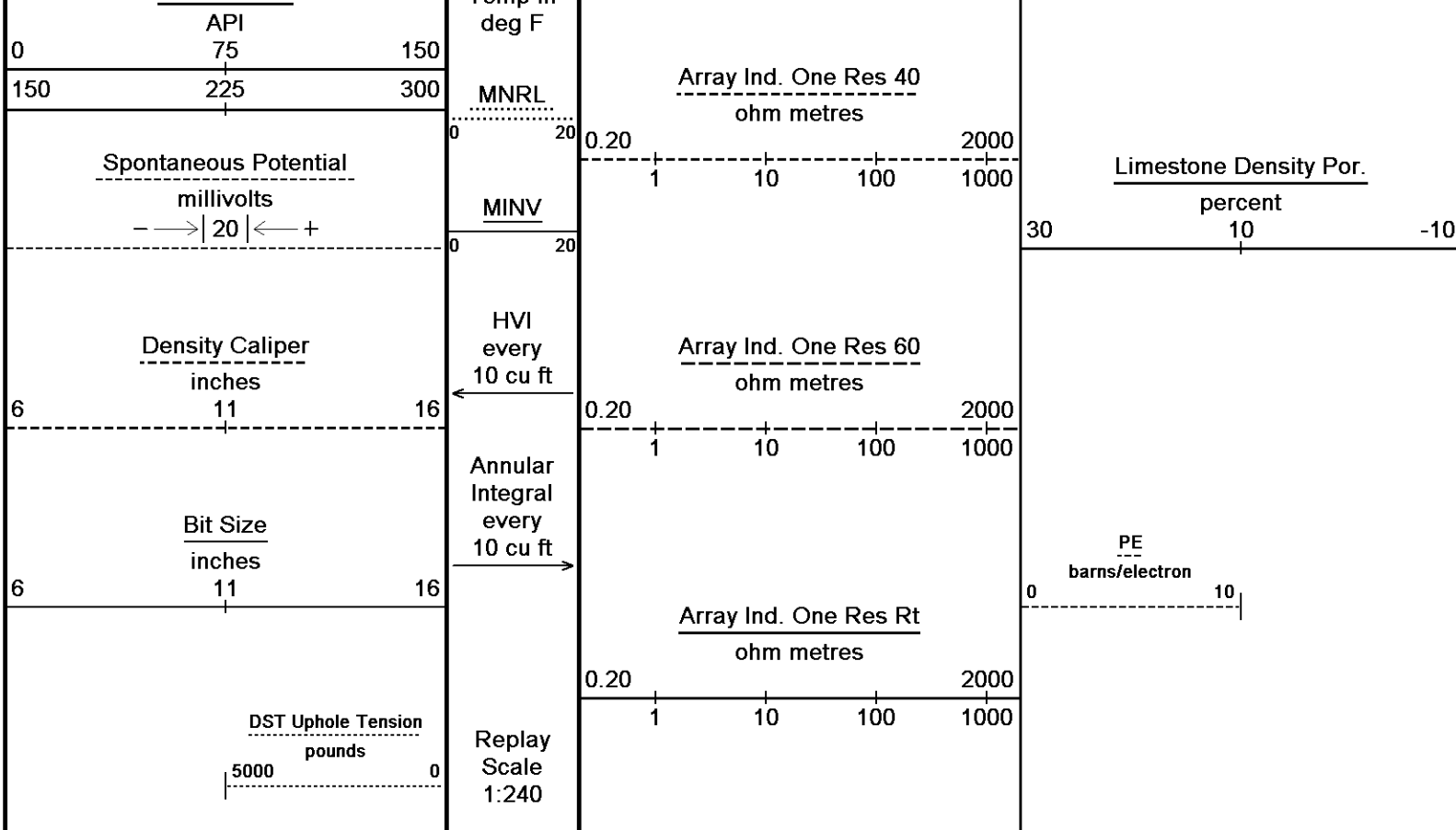
Plotted on 09-DEC-2014 17:32
Recorded on 09-DEC-2014 13:49











↑ 5 INCH REPEAT 1:240 ↑

General Constants All 000 Last Edited on 09-DEC-2014,12:34

Down-hole Tension Calibration SMS 0			Field Calibration on 01-DEC-2014 14:21
Reading No	Measured	Calibrated (lbs)	
1	18022.68	0.00	
2	18047.66	429.90	

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

High Resolution Temperature Constants MCG-D.K 475		Last Edited on 28-JUL-2014,00:41
Pre-filter Length	11	

SP Calibration MCG-D.K 475			Field Calibration on 09-DEC-2014,07:05
	Measured	Calibrated (mV)	
Reference 1	100.0	100.0	
Reference 2	-100.0	-100.0	

Gamma Calibration MCG-D.K 475			Field Calibration on 09-DEC-2014 07:33
	Measured	Calibrated (API)	
Background	40	27	
Calibrator (Gross)	1075	723	
Calibrator (Net)	1035	696	

Gamma Calibration Tolerances MCG-D.K 475				
Ratio	1.487	1.40 1.475 1.55	Counts/API	

Gamma Constants MCG-D.K 475			Last Edited on 09-DEC-2014,12:36	
Gamma Calibrator Number	36			
GRC-M Calibrator Jig in Use?	NO			
Inactive Background Jig in Use?	NO			
Mud Density	1.10	gm/cc		
Caliper Source for Processing	Density Caliper			
Tool Position	Eccentred			
Concentration of KCl		kppm		
K Mud Type	Chloride			
K Mud Concentration	0.00	%		

Micro Normal and Micro Inverse Calibration MML-A 7					Base Calibration on 15-OCT-2014 13:09	
					Field Check on 09-DEC-2014 07:01	
Base Calibration						
		Measured		Calibrated (ohm-m)		
Channel	Resistor 1	Resistor 2	Resistor 1	Resistor 2		
Micro Normal	11.8	60.2	5.0	25.0		
Micro Inverse	15.7	78.0	5.0	25.0		
Channel		Base Check (ohm-m)		Field Check (ohm-m)		
Micro Normal		62.6		62.6		
Micro Inverse		48.5		48.5		

Micro Normal & Micro Inverse Calibration Tolerance MML-A 7									
Micro Normal Res. 1	11.8	-5% 5.0 +5%	ohm	Micro Normal Res. 2	60.2	-5% 25.0 +5%	ohm		
Micro Inverse Res. 1	15.7	-5% 5.0 +5%	ohm	Micro Inverse Res. 2	78.0	-5% 25.0 +5%	ohm		
Micro Normal Base Check	62.6	-2% 62.72 +2%	ohm-m						
Micro Inverse Base Check	48.5	-2% 48.39 +2%	ohm-m						
Micro Normal Field Check	62.6	-2% 62.6 +2%	ohm-m						
Micro Inverse Field Check	48.5	-2% 48.5 +2%	ohm-m						

Micro Normal and Micro Inverse Constants MML-A 7			Last Edited on 09-DEC-2014,07:06	
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	N/A		inches	

Caliper Calibration MML-A 7			Base Calibration on 03-OCT-2014,11:34 Field Calibration on 09-DEC-2014 07:04	
Base Calibration				
Reading No		Measured	Calibrator Size (in)	

1	14683	5.96
2	18092	7.97
3	21306	9.84
4	25352	11.91
5	0	0.00
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
9.96	9.84

Caliper Calibration Tolerances MML-A 7

Short Arm Field Cal. 9.96  in

Neutron Calibration MDN-C.A 460

Base Calibration on 15-OCT-2014 09:59
Field Check on 09-DEC-2014 07:39

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	2974	91	3714	110
Ratio	32.834		33.764	

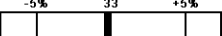
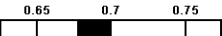
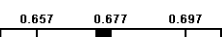
Field Calibrator at Base

	Calibrated (cps)	
	2417	3572
Ratio	0.677	

Field Check

	Calibrated (cps)	
	2386	3550
Ratio	0.672	

Neutron Calibration Tolerances MDN-C.A 460

Near Reading	2974	 cps	Far Reading	91	 cps
Ratio	32.834				
Base Check	0.677				
Field Check	0.672				

Neutron Constants MDN-C.A 460

Last Edited on 09-DEC-2014,07:43

Neutron Source Id	P14043B	
Neutron Jig Number	N639	
Air Hole Processing	Legacy	
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	Constant Value	
Temperature	68.00	degrees F
Mud Salinity	0.00	kppm
Salinity Correction	Not Applied	
Formation Fluid Salinity Source	Constant Value	
Formation Fluid Salinity	0.00	kppm
Barite Mud Correction	Not Applied	

FE Calibration MFE-A.A 54

Base Calibration on 15-OCT-2014 08:49
Field Check on 09-DEC-2014 06:55

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	971.4	126.8
Base Check		281.2

FE Calibration Tolerances MFE-A.A 54

Reference 2	971.4		ohm
Base Check	281.2		ohm-m
Field Check	281.3		ohm-m

FE Constants MFE-A.A 54

Last Edited on 09-DEC-2014,07:42

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

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 (m)	
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 102

Field Calibration on 09-DEC-2014,07:05

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

High Resolution Temperature Constants MAI-A.A 102

Last Edited on 19-AUG-2014,10:02

Pre-filter Length 11

Induction Calibration MAI-A.A 102

Base Calibration on 20-SEP-2014,11:39
Field Check on 09-DEC-2014 06:54

Base Calibration

Test Loop Calibration

Channel	Measured		Calibrated (mmho/m)	
	Low	High	Low	High
1	18.0	481.9	9.3	966.2
2	6.6	378.8	7.6	821.4
3	4.0	256.0	5.2	566.0
4	3.8	134.5	2.6	279.2

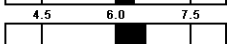
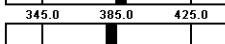
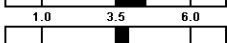
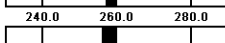
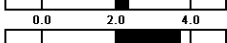
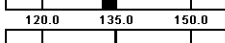
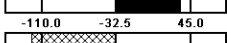
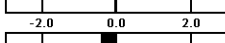
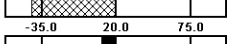
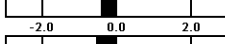
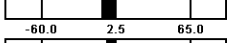
Array Temperature 86.5 Deg F

Test Loop Calibration Verified

Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1			10.5	3807.5
2			29.3	3603.7
3			27.8	3131.3
4			15.8	2100.7
Deep			14.0	2018.9
Medium			44.4	4177.6
Shallow			47.6	5349.4

Array Temperature 57.9 Deg F

Induction Calibration Tolerances MAI-A.A 102

Low Conductivity 1	18.0		mmho/m High Conductivity 1	481.9		mmho/m
Low Conductivity 2	6.6		mmho/m High Conductivity 2	378.8		mmho/m
Low Conductivity 3	4.0		mmho/m High Conductivity 3	256.0		mmho/m
Low Conductivity 4	3.8		mmho/m High Conductivity 4	134.5		mmho/m
Background Vx 1	-121.6		mmho/m Phase Check Loop 1	-0.4		%
Background Vx 2	9.2		mmho/m Phase Check Loop 2	-0.6		%
Background Vx 3	-6.3		mmho/m Phase Check Loop 3	-0.7		%
Background Vx 4	-11.5		mmho/m Phase Check Loop 4	0.3		%

Induction Constants MAI-A.A 102

Last Edited on 09-DEC-2014,07:06

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
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-A.A 11

Base Calibration on 04-NOV-2014 09:36

Field Calibration on 09-DEC-2014 07:02

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	20848	3.98
2	30657	5.96
3	40799	7.97
4	50272	9.84
5	60992	11.91
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
8.02	7.97

Caliper Calibration Tolerances MPD-A.A 11

Short Arm Field Cal. 8.02  in

Photo Density Calibration MPD-A.A 11

Base Calibration on 15-OCT-2014 09:26

Field Check on 09-DEC-2014 06:59

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Background	1143	1232		
Reference 1	46738	24775	59869	31110
Reference 2	19686	2406	24557	2522

Field Check at Base

1143.3 1231.8

Field Check

1140.8 1228.3

PE Calibration

Base Calibration	WS	Measured		Calibrated	
		WH	Ratio	Ratio	
Background	207	1022			
Reference 1	17464	46571	0.379	0.369	
Reference 2	5256	19557	0.272	0.271	

Field Check at Base

206.9 1021.7

Photo Density Calibration Tolerances MPD-A.A 11

Near Density Ratio	2.46	-5% 2.52 +5%
PE Calibration	0.100	0.089 0.110 0.131
Near Den. Field Check	1140.8	-3% 1143.3 +3%
PE WS Field Check	204.6	-6% 206.9 +6%

Far Density Ratio	20.05	-5% 21.00 +5%
Far Den. Field Check	1228.3	-3% 1231.8 +3%
PE WH Field Check	1018.3	-6% 1021.7 +6%

Density Constants MPD-A.A 11

Last Edited on 09-DEC-2014,12:36

Density Source Id	263	
Nylon Calibrator Number	633	
Aluminium Calibrator Number	633	
Density Shoe Profile	8 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.10	gm/cc
Mud Density Z/A 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	

Spectral Gamma Calibration SGS-E.J 131

Base Calibration on 11-SEP-2013 10:27

Field Calibration on 11-SEP-2013 10:00

Base Calibration

Potassium Calibrator

	Gate 1	Gate 2	Gate 3	Gate 4	Gate 5
Background	77.6	27.1	3.1	0.9	1.5
Calibrator (Gross)	202.6	110.6	26.3	0.8	1.4
Calibrator (Net)	125.0	83.5	23.2	-0.1	-0.0

Concentrations	K %	U ppm	Th ppm
	5.8	0.0	0.0

Uranium Calibrator

	Gate 1	Gate 2	Gate 3	Gate 4	Gate 5
Background	77.6	27.1	3.1	0.9	1.5
Calibrator (Gross)	526.2	185.8	15.9	10.3	4.7
Calibrator (Net)	448.5	158.7	12.8	9.3	3.2

Concentrations	K %	U ppm	Th ppm
	0.0	14.8	0.0

Thorium Calibrator

	Gate 1	Gate 2	Gate 3	Gate 4	Gate 5
Background	77.6	27.1	3.1	0.9	1.5
Calibrator (Gross)	394.6	144.2	11.6	6.3	15.8
Calibrator (Net)	316.9	117.1	8.5	5.4	14.4

Concentrations	K %	U ppm	Th ppm
	0.0	0.0	44.3

Mixture Calibrator

	Gate 1	Gate 2	Gate 3	Gate 4	Gate 5
Background	77.6	27.1	3.1	0.9	1.5

Background	77.6	27.1	3.1	0.9	1.5
Calibrator (Gross)	937.8	380.4	48.6	15.2	18.3
Calibrator (Net)	860.2	353.3	45.5	14.3	16.9

Field Calibration

Gamma Ray

	Measured	Calibrated (API)
Background	115	22
Calibrator (Gross)	1406	272
Calibrator (Net)	1290	250

Mixture Calibrator

	Gate 1	Gate 2	Gate 3	Gate 4	Gate 5
Background	77.6	27.1	3.1	0.9	1.5
Calibrator (Gross)	937.8	380.4	48.6	15.2	18.3
Calibrator (Net)	860.2	353.3	45.5	14.3	16.9

Spectral Gamma Constants SGS-E.J 131

Last Edited on 09-DEC-2014,12:36

Background Calibrator Number	496	
Mixture Calibrator Number	525	
Potassium Calibrator Number	499	
Uranium Calibrator Number	505	
Thorium Calibrator Number	502	
Mud Density	1.10	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl		kppm
K Mud Type	Chloride	
K Mud Concentration	0.00	%

DOWNHOLE EQUIPMENT

D:\14.03.4393\DATA\TAOS RESOURCES OPERATING CO, LLC (WEBBER 34-1)\Main Pass.dta

Compact Comms Gamma
MCG-D.K 475 LG: 8.70 ft WT: 63.9 lb OD: 2.244 in

Spectral Gamma Ray Sub
SGS-E.J 131 LG: 7.78 ft WT: 105.8 lb OD: 3.543 in

Compact Micro-log
MML-A 7 LG: 7.97 ft WT: 81.6 lb OD: 2.240 in

Compact Neutron
MDN-C.A 460 LG: 5.04 ft WT: 50.7 lb OD: 2.244 in

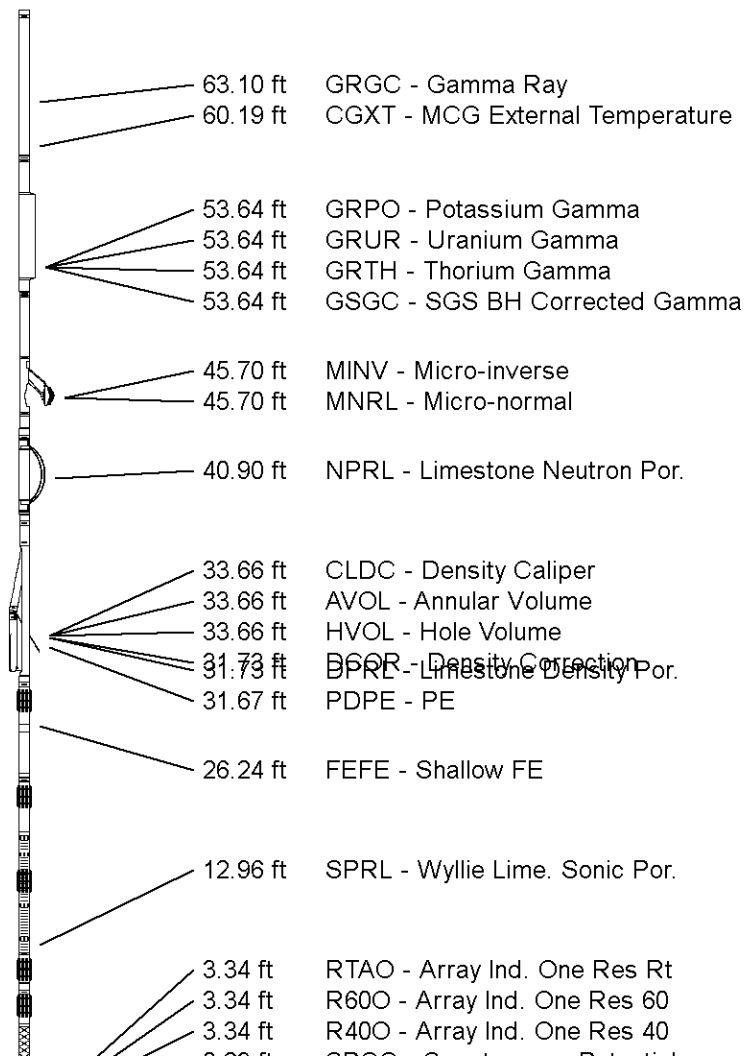
Compact Density/Caliper
MPD-A.A 11 LG: 9.53 ft WT: 90.4 lb OD: 2.449 in

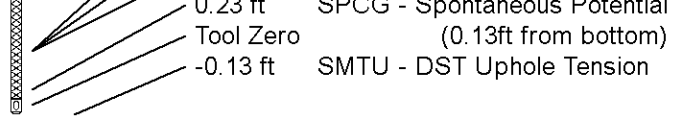
Compact Focussed Electric
MFE-A.A 54 LG: 6.05 ft WT: 48.5 lb OD: 2.244 in

Compact Sonic
MSS-C.K 336 LG: 12.52 ft WT: 72.8 lb OD: 2.244 in

Compact Induction
MAI-A.A 102 LG: 10.81 ft WT: 48.5 lb OD: 2.240 in

Total Length: 68.39 ft Weight: 562.2 lb





COMPANY	TAOS RESOURCES OPERATING CO.		
WELL	WEBBER 34-1		
FIELD	WMU		
PROVINCE/COUNTY	COWLEY		
COUNTRY/STATE	USA / KANSAS		

Elevation Kelly Bushing	1295.00	feet	First Reading	3643.00	feet
Elevation Drill Floor	1293.00	feet	Depth Driller	3645.00	feet
Elevation Ground Level	1285.00	feet	Depth Logger	3646.00	feet


Weatherford[®]

COMPOSITE LOG