



Weatherford

ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG

COMPANY			SHAKESPEARE OIL COMPANY, INC.		
WELL			JANZEN #3-26		
FIELD			PENCE EAST		
PROVINCE/COUNTY			SCOTT		
COUNTRY/STATE			U.S.A. / KANSAS		
LOCATION			1000' FSL & 1200' FEL		
SEC 26	TWP 16S	RGE 34W	Other Services		MML
Latitude			MPD/MDN		
Longitude			MSS		
API Number	15-171-21067				
Permanent Datum GL, Elevation 3107 feet					
Log Measured From KB			Elevations: KB 3119.00 DF 3117.00 GL 3107.00		
Drilling Measured From KB @ 12 feet					
Date	23-JUN-2014				
Run Number	ONE				
Service Order	7577-90708978				
Depth Driller	4890.00		feet		
Depth Logger	4890.00		feet		
First Reading	4887.00		feet		
Last Reading	266.00		feet		
Casing Driller	266.00		feet		
Casing Logger	266.00		feet		
Bit Size	7.875		inches		
Hole Fluid Type	CHEMICAL				
Density / Viscosity	9.30 lb/USg		57.00 CP		
PH / Fluid Loss	10.50		9.60 ml/30Min		
Sample Source	MUD PIT				
Rm @ Measured Temp	0.44 @ 94.0		ohm-m		
Rmf @ Measured Temp	0.35 @ 94.0		ohm-m		
Rmc @ Measured Temp	0.53 @ 94.0		ohm-m		
Source Rmf / Rmc	CALC		CALC		
Rm @ BHT	0.36 @115.0		ohm-m		
Time Since Circulation	4 HOURS				
Max Recorded Temp	115.00		deg F		
Equipment / Base	13244		LIB		
Recorded By	JEFFREY RANDLE		ADAM SILL		
Witnessed By	WES HANSEN				
JOB #	LB14-187				

BOREHOLE RECORD					Last Edited: 23-JUN-2014 10:23
Bit Size inches		Depth From feet		Depth To feet	
7.875		266.00		4890.00	
CASING RECORD					
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft	
SURFACE	8.625	0.00	266.00	24.00	

REMARKS
- SOFTWARE ISSUE: WLS 13.08.2113.
- RUN ONE: MCG, MML, MDN, MPD, MFE, MSS, MAI RUN IN COMBINATION. - HARDWARE: DUAL BOWSPRING USED ON MDN. 0.5 INCH STANDOFF USED ON MFE. TWO 0.5 INCH STANDOFFS USED ON MSS. 0.5 INCH STANDOFF USED ON MAI.
- 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.
- TOTAL HOLE VOLUME FROM TD TO SURFACE CASING: 2072 CU.FT.
- ANNULAR HOLE VOLUME WITH 5.5 INCH PRODUCTION CASING FROM TD TO 3750 FEET: 196 CU.FT.

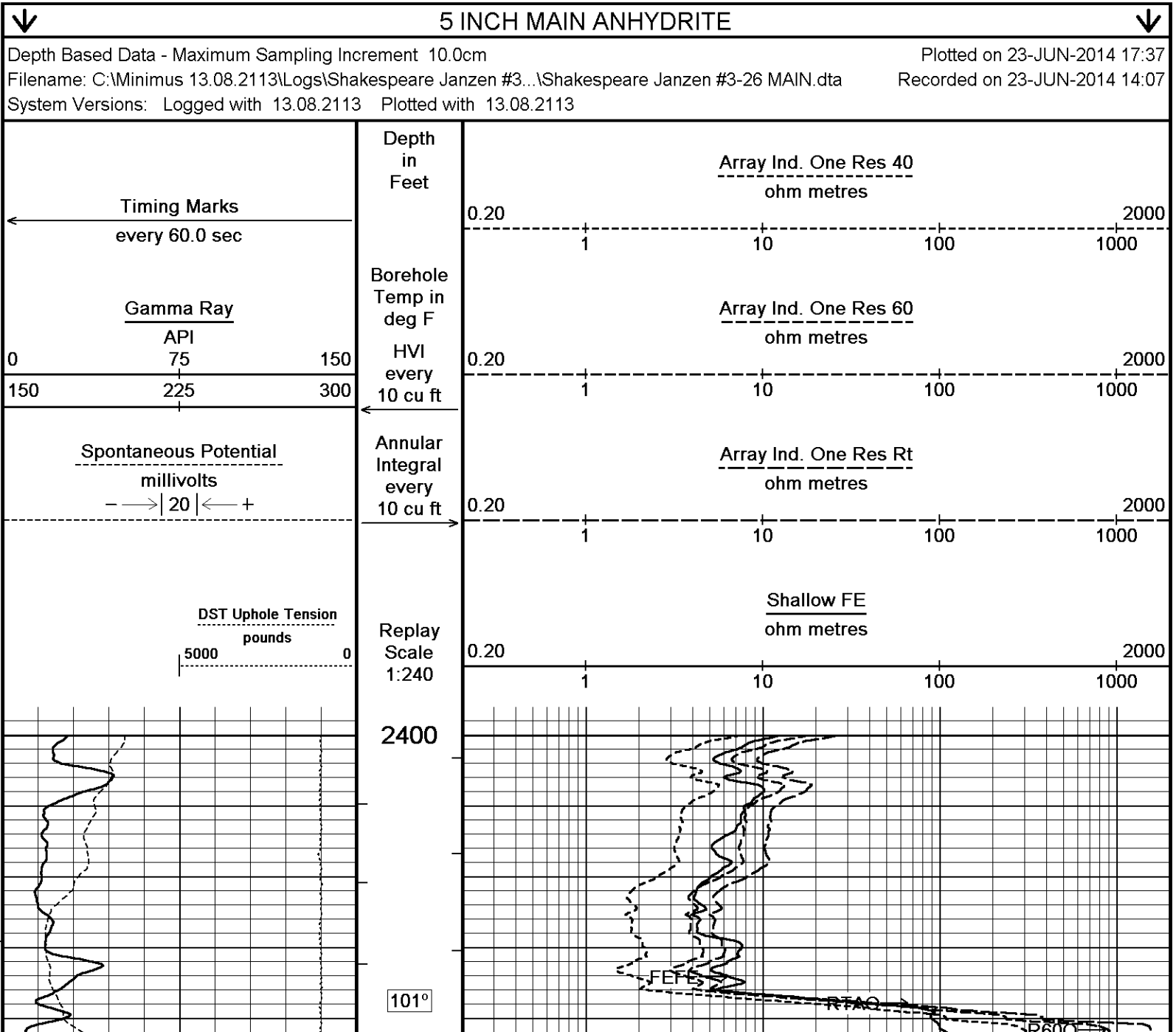
- RIG: SOUTHWIND DRILLING #70.

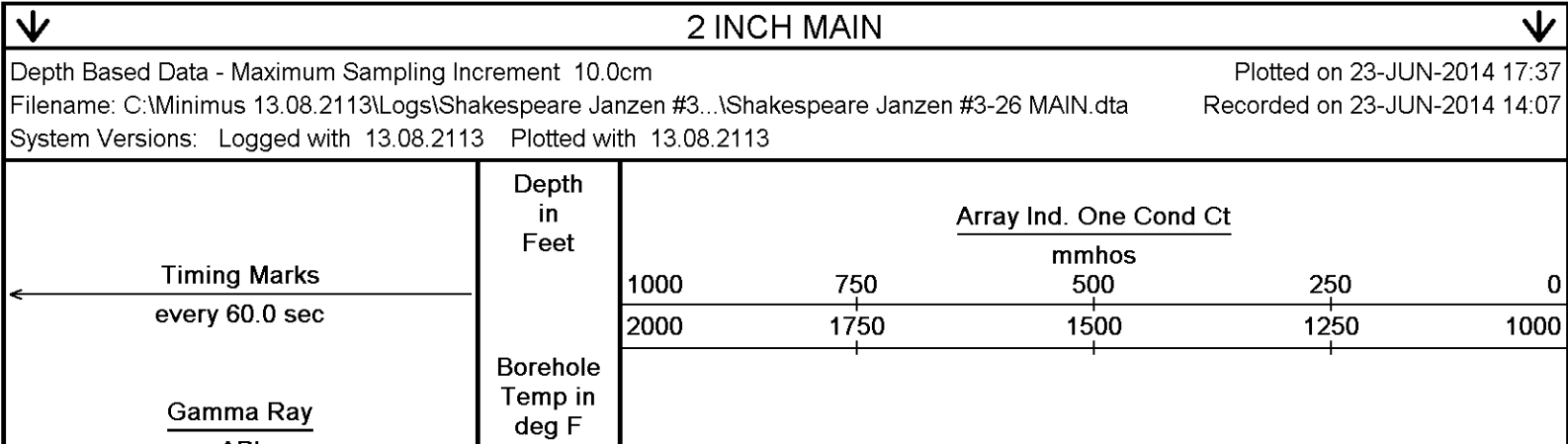
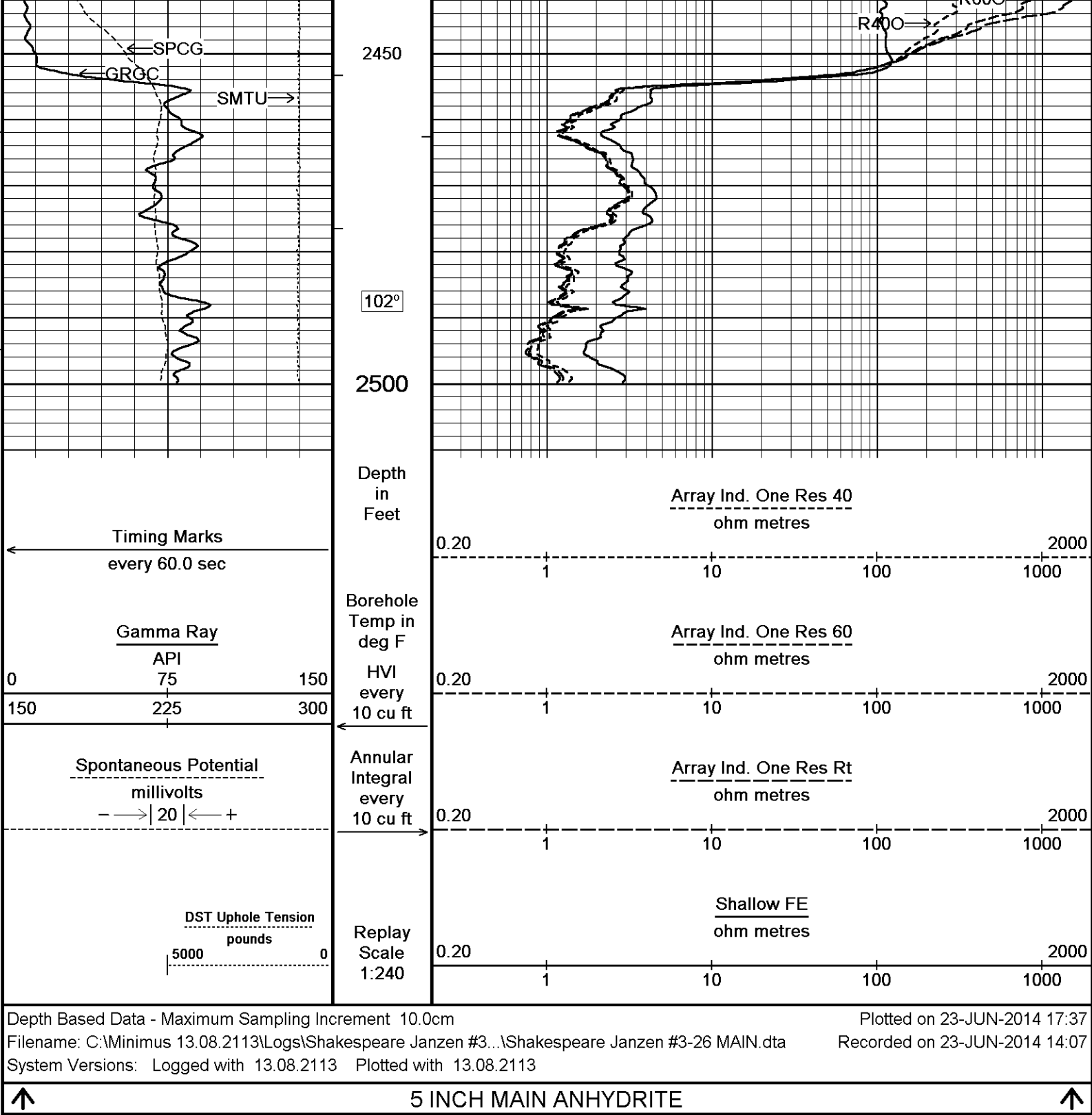
- ENGINEER: A. SILL.

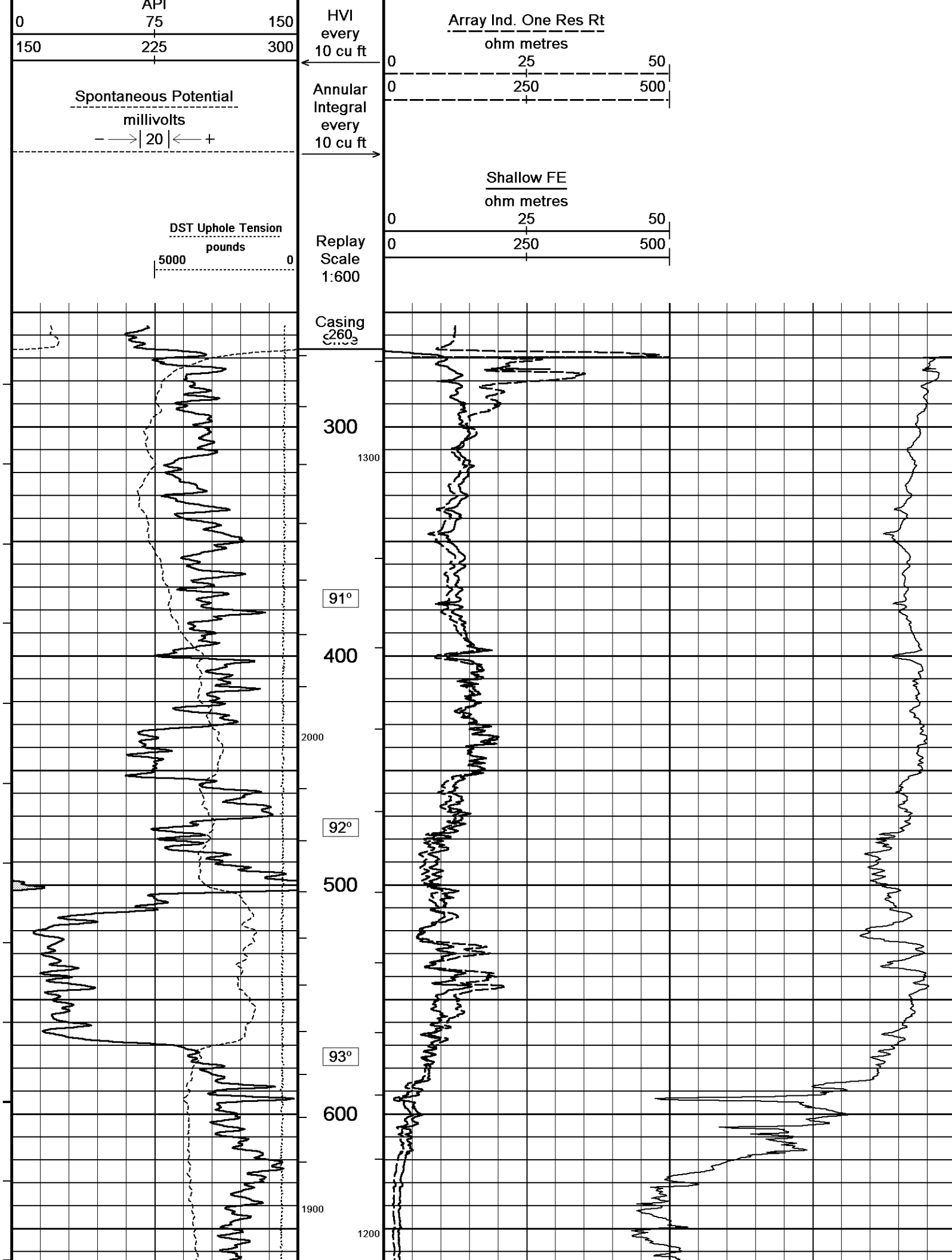
- OPERATOR: J. HOLCOMB.

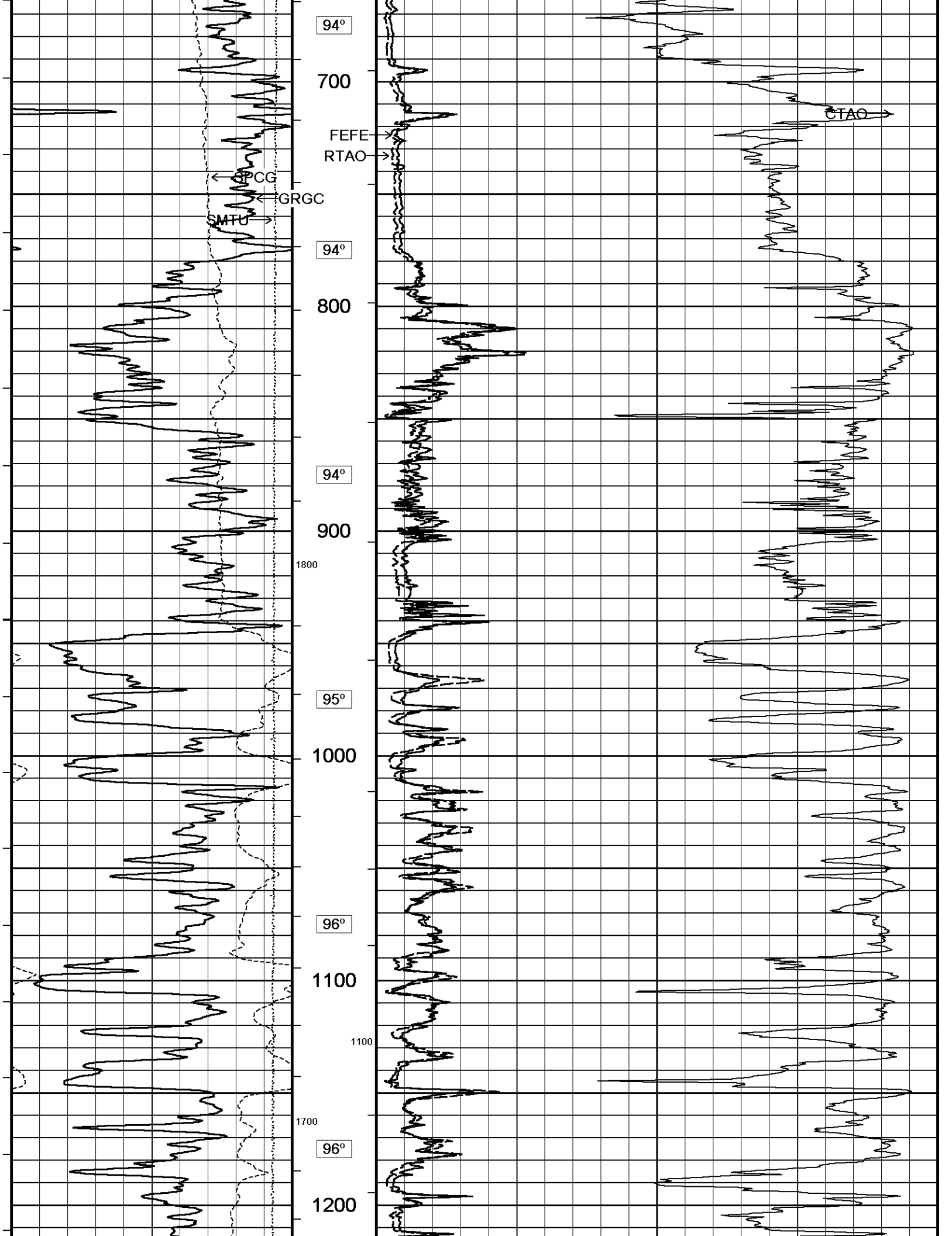
- JUNIOR FIELD ENGINEER: J. RANDLE.

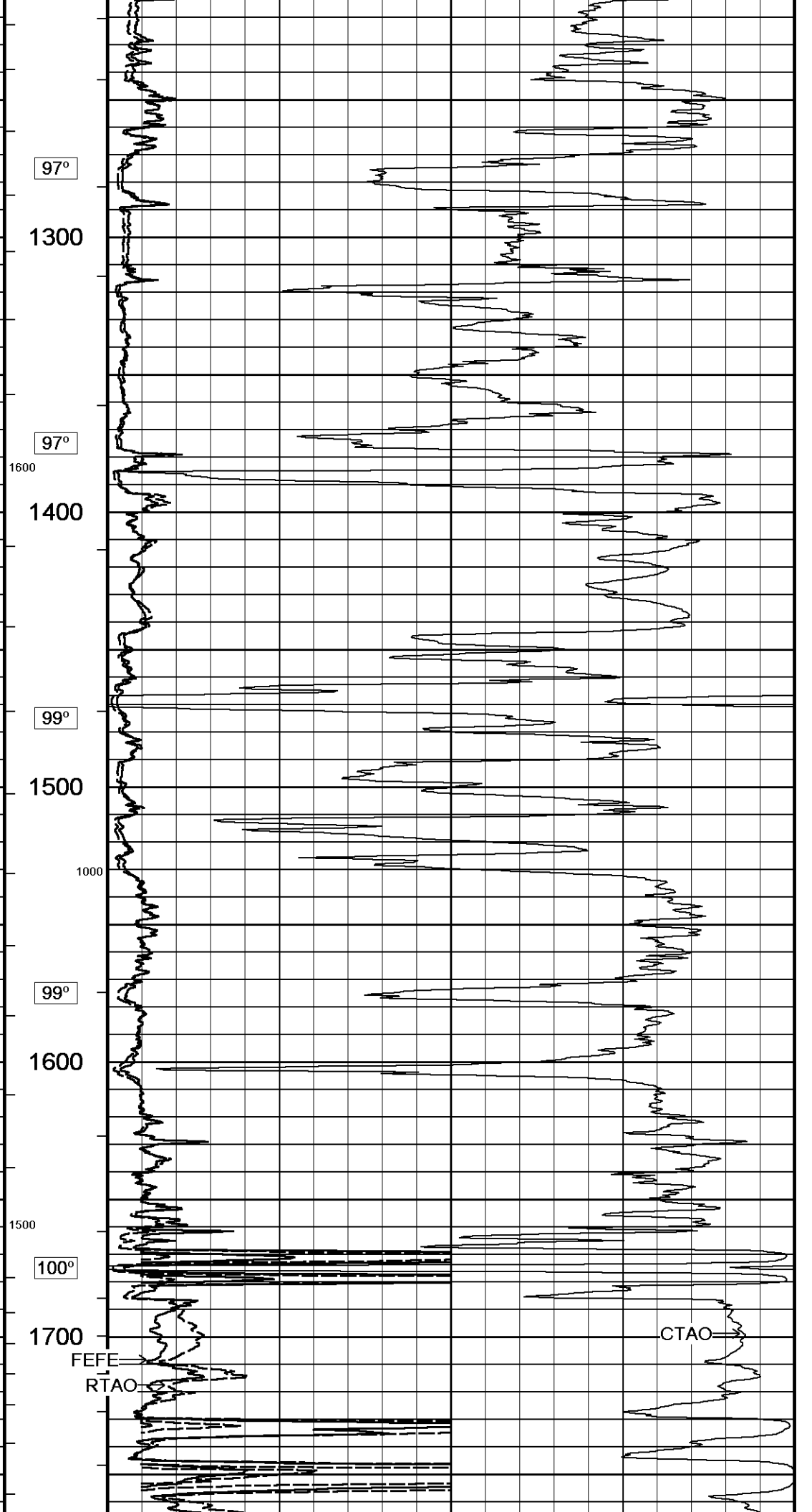
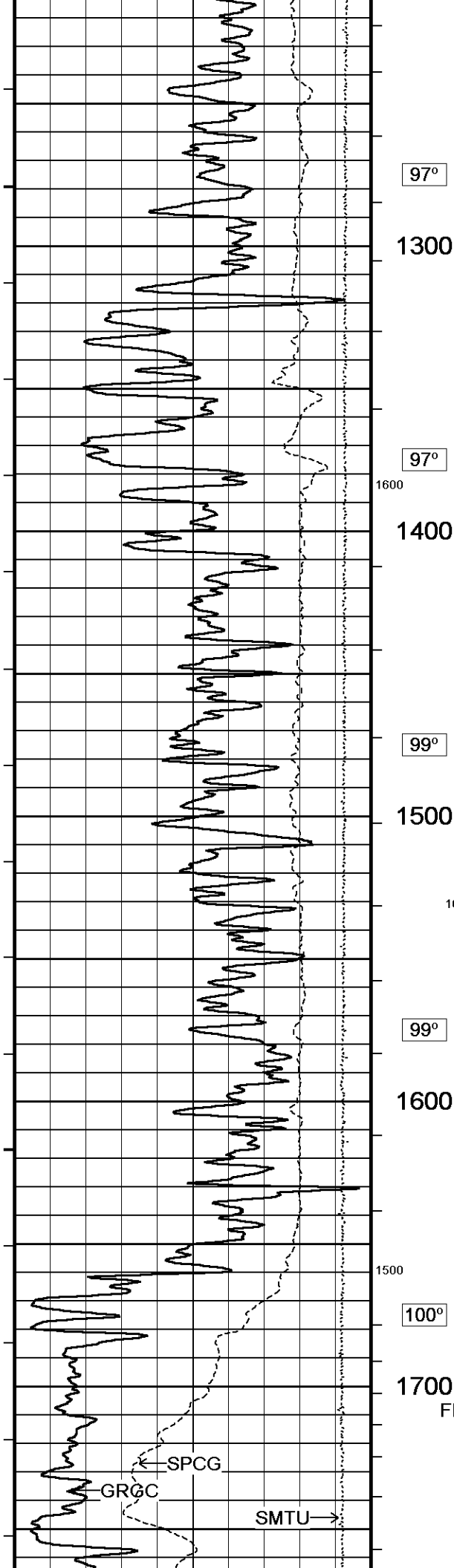
In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will 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.

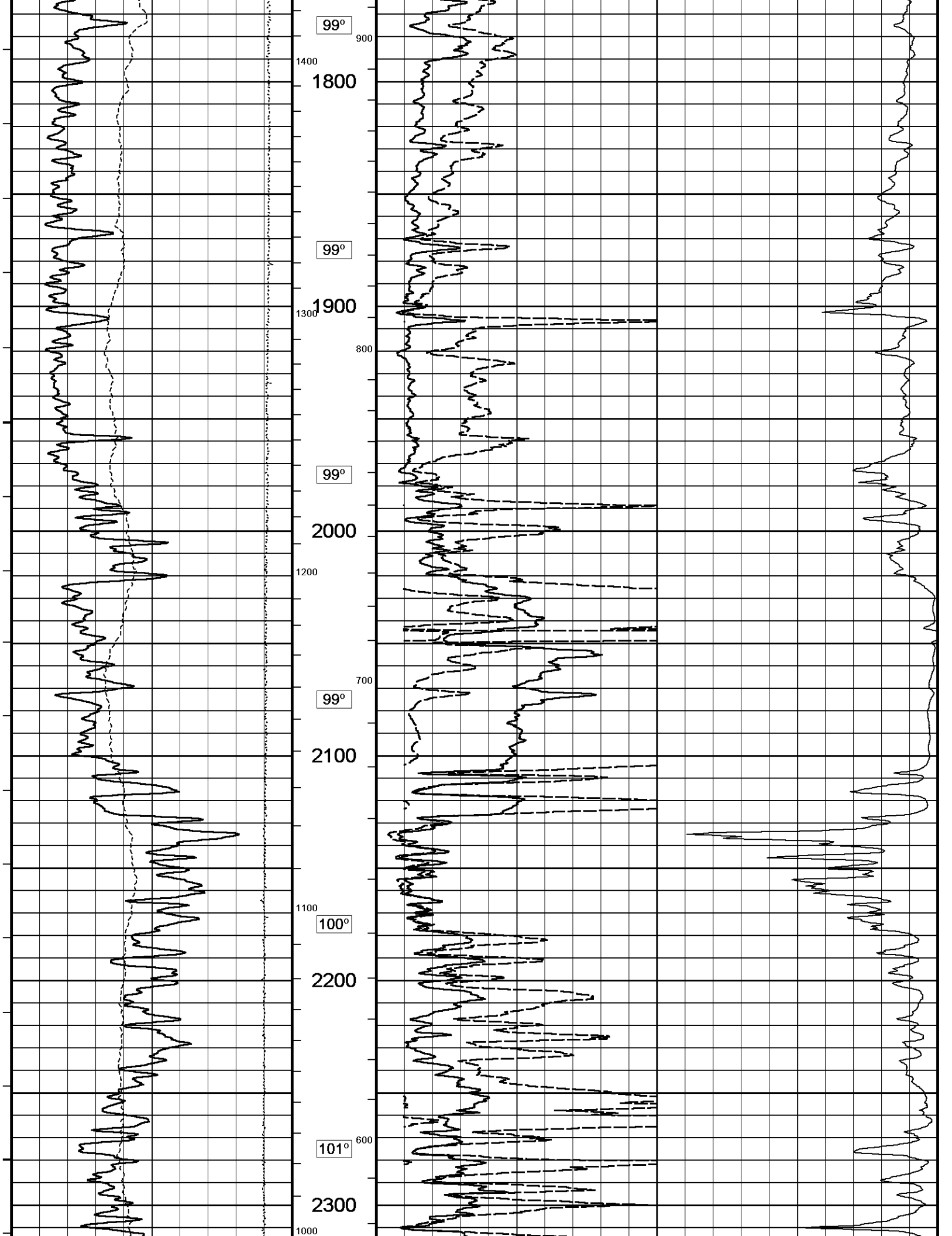


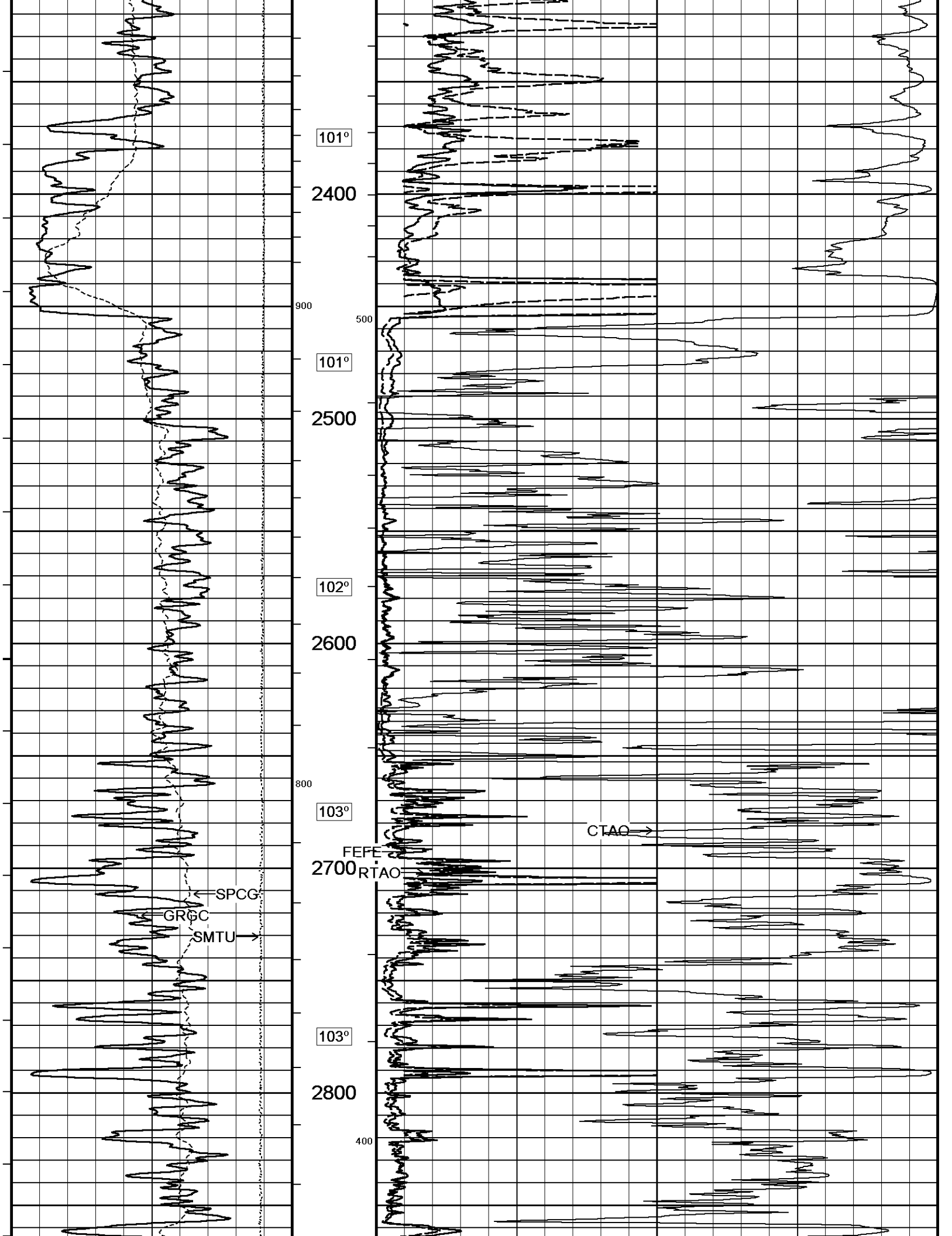


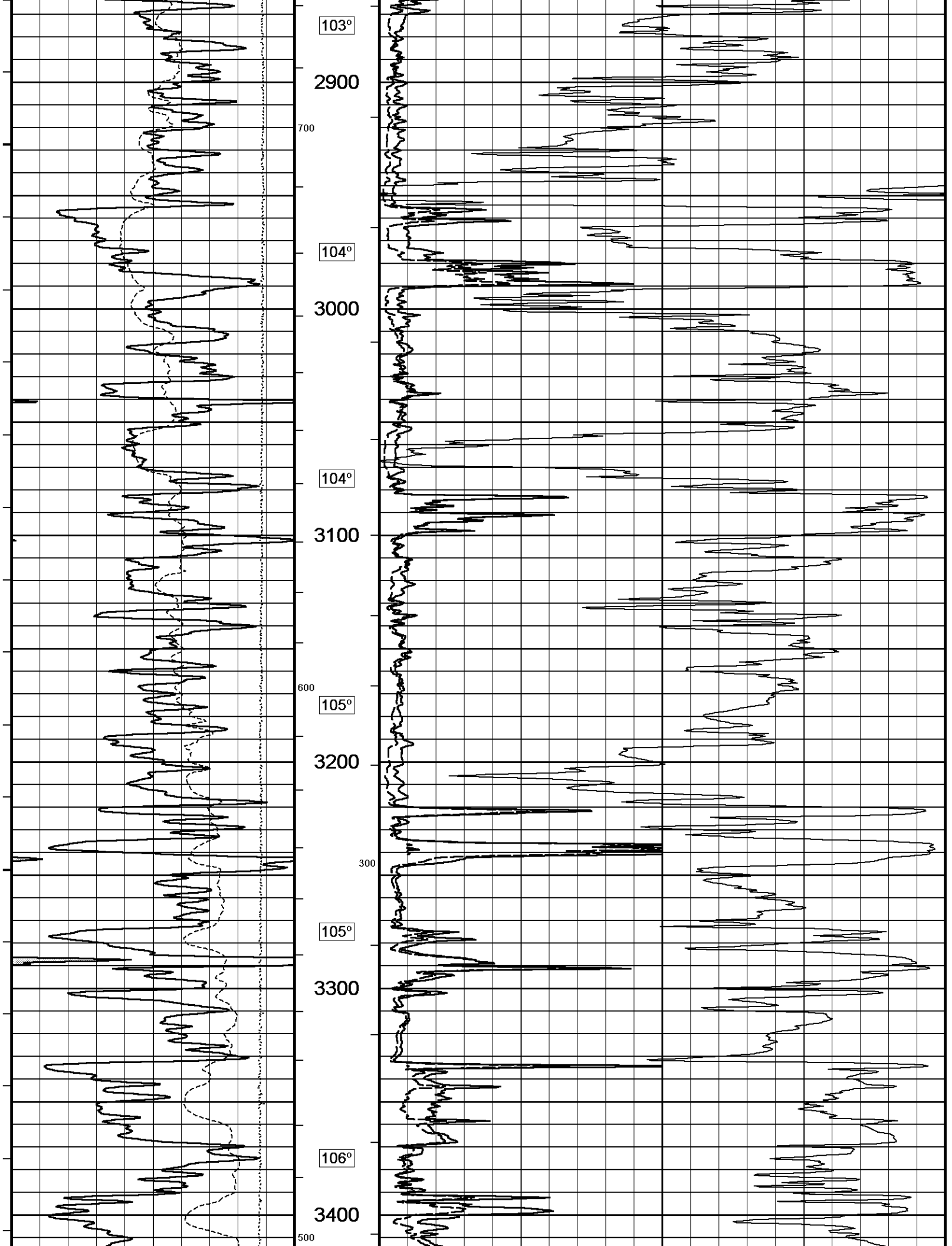


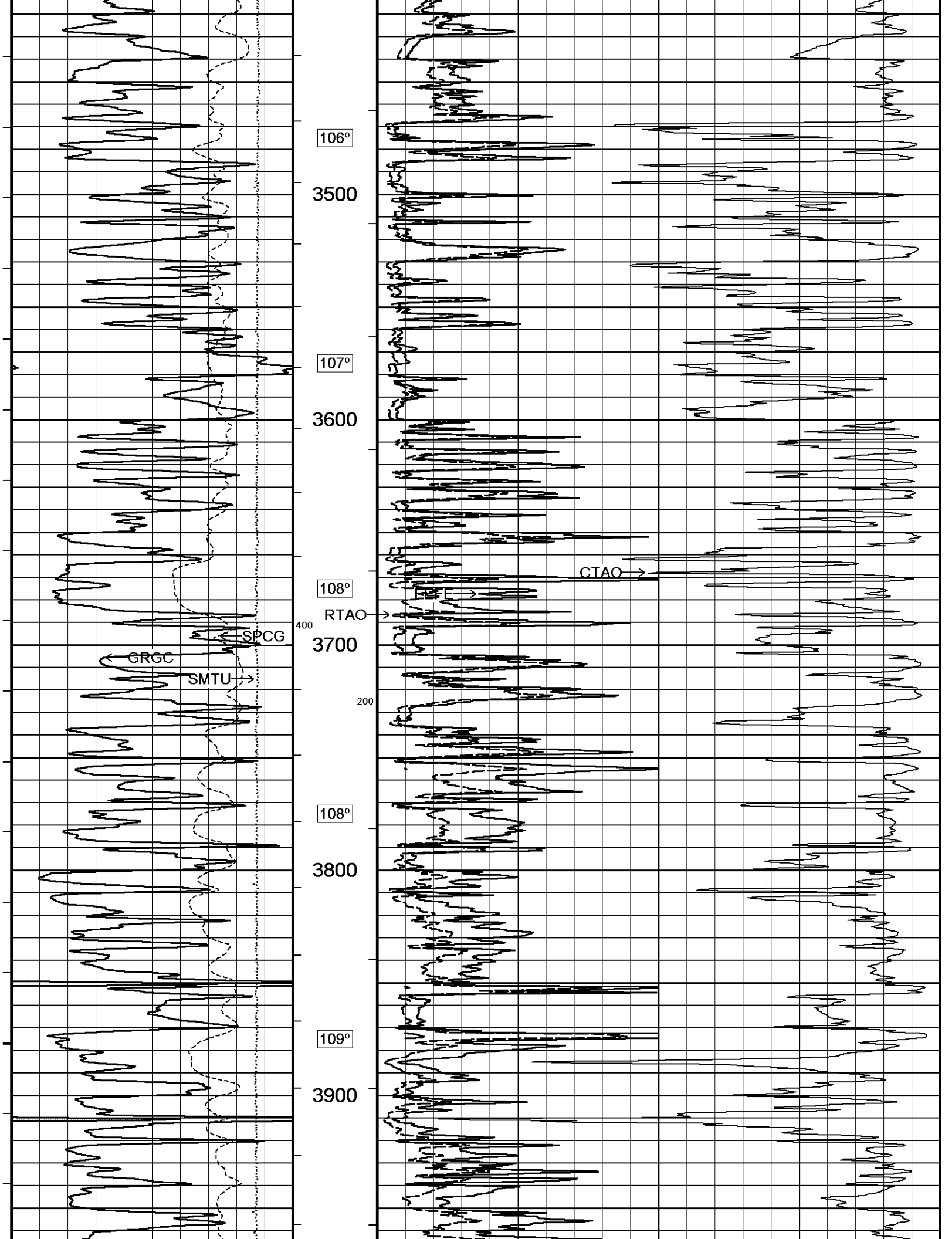


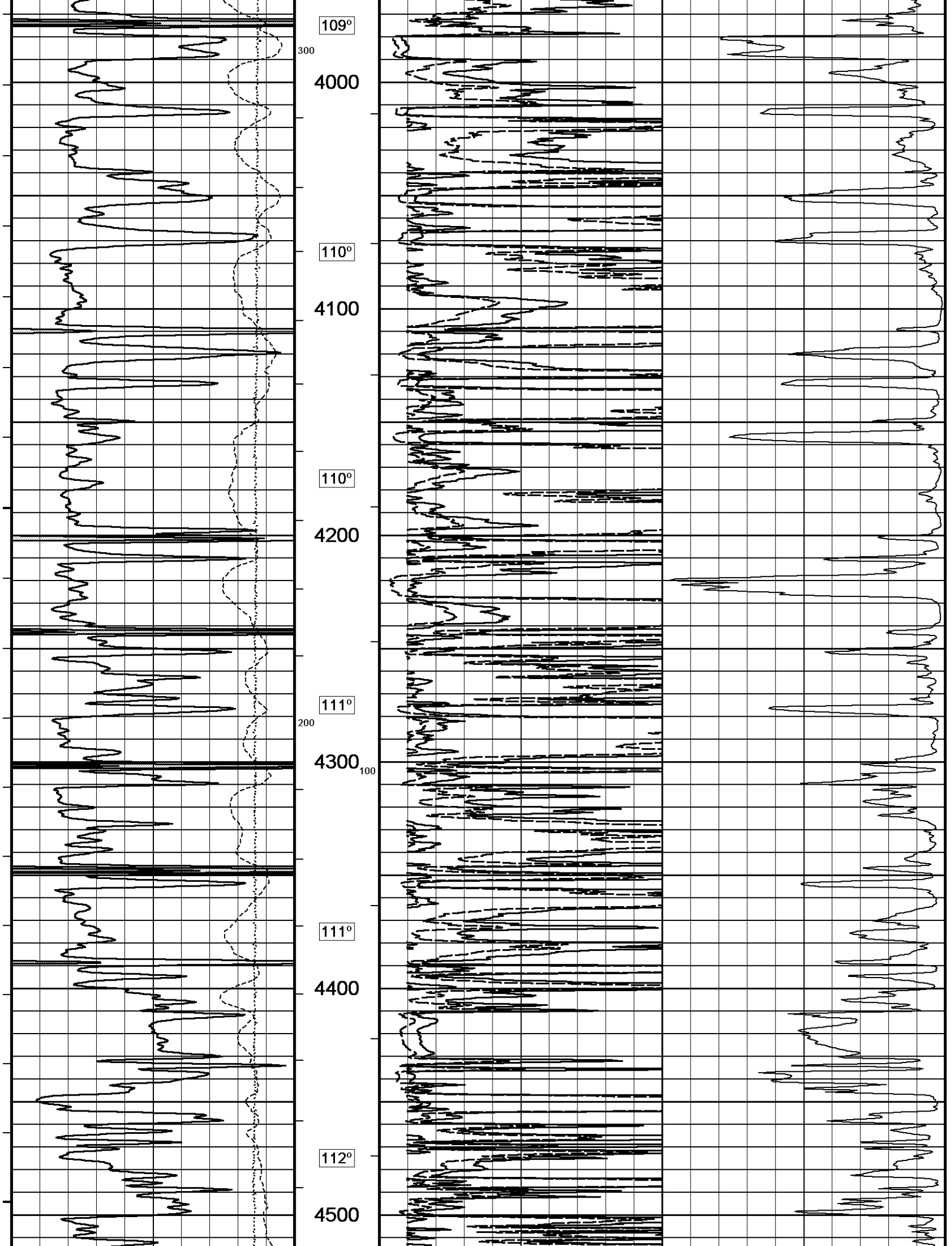


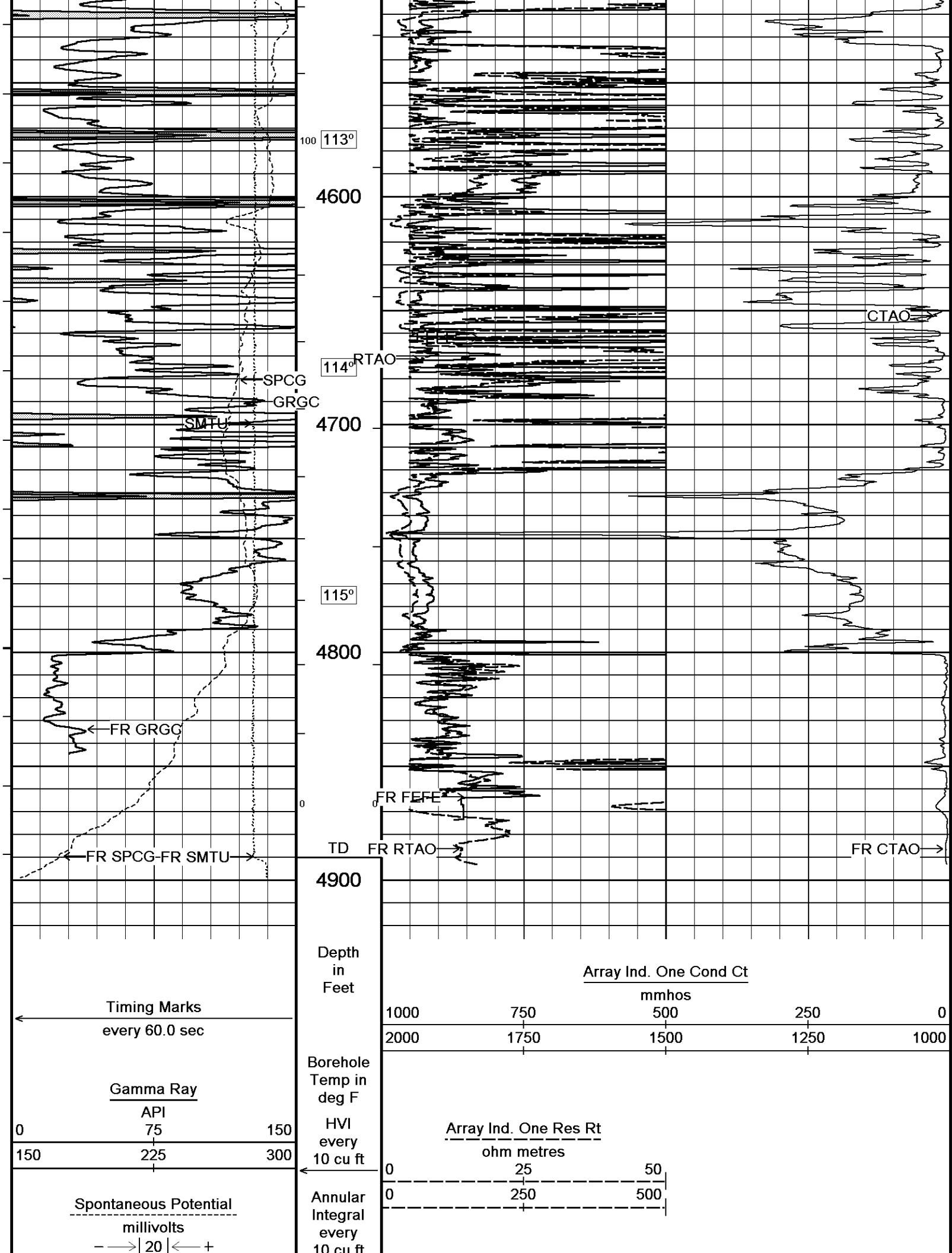


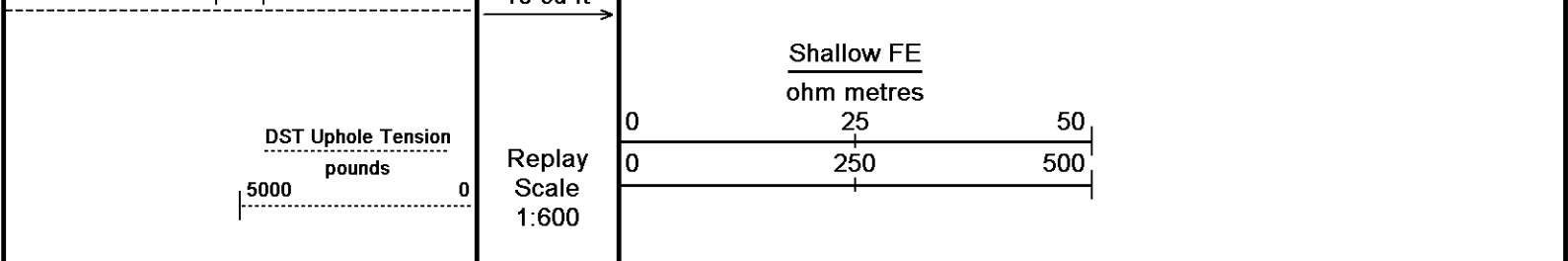










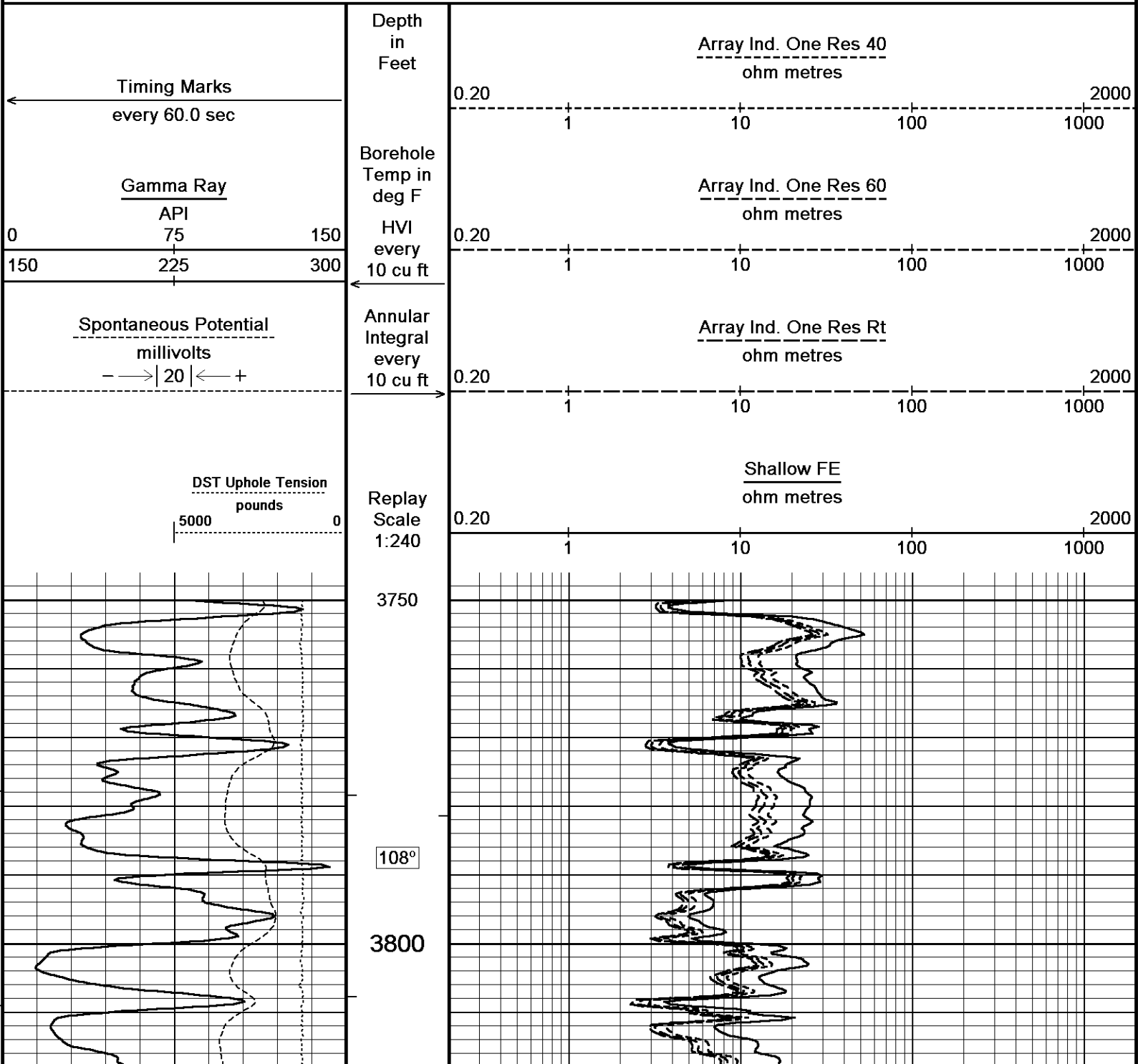


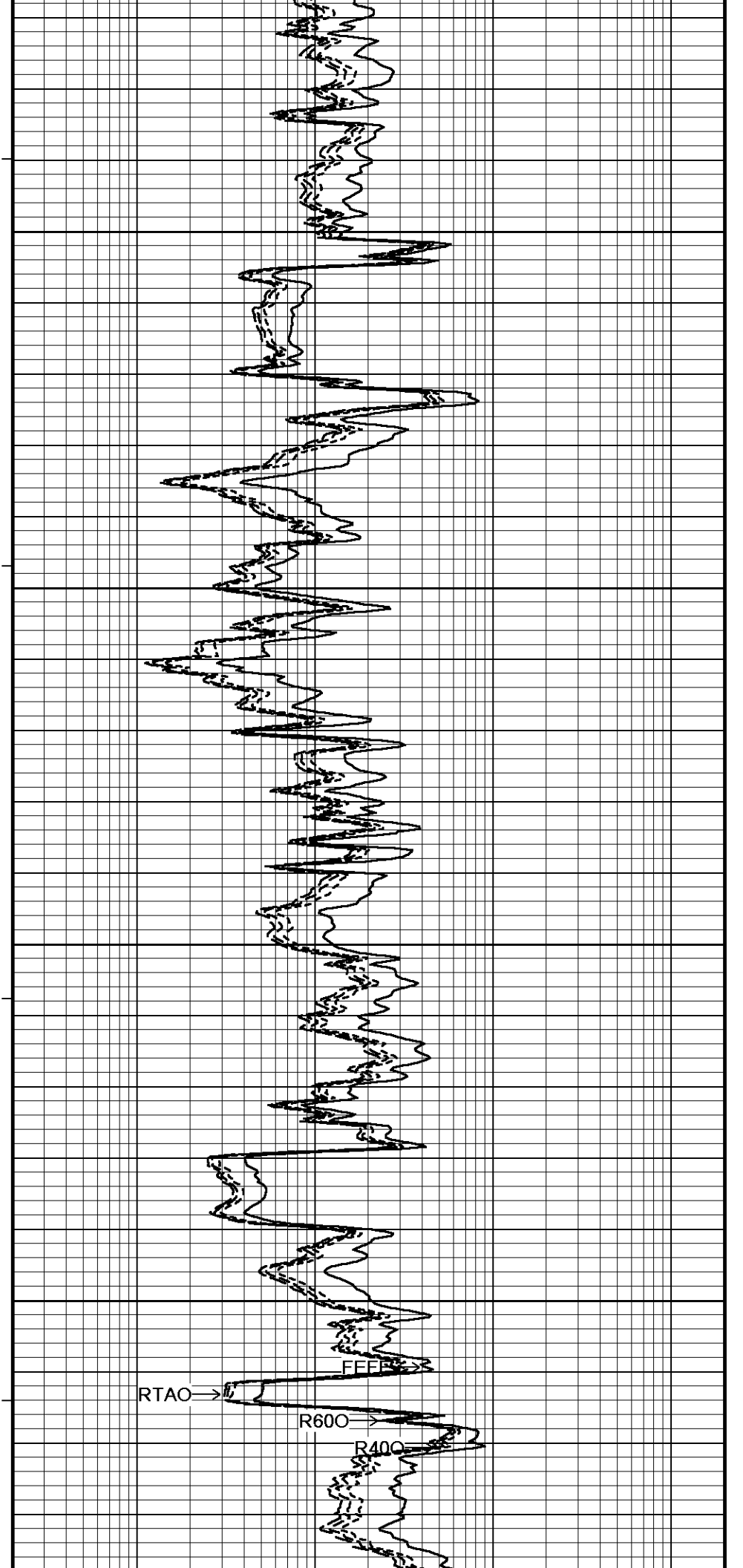
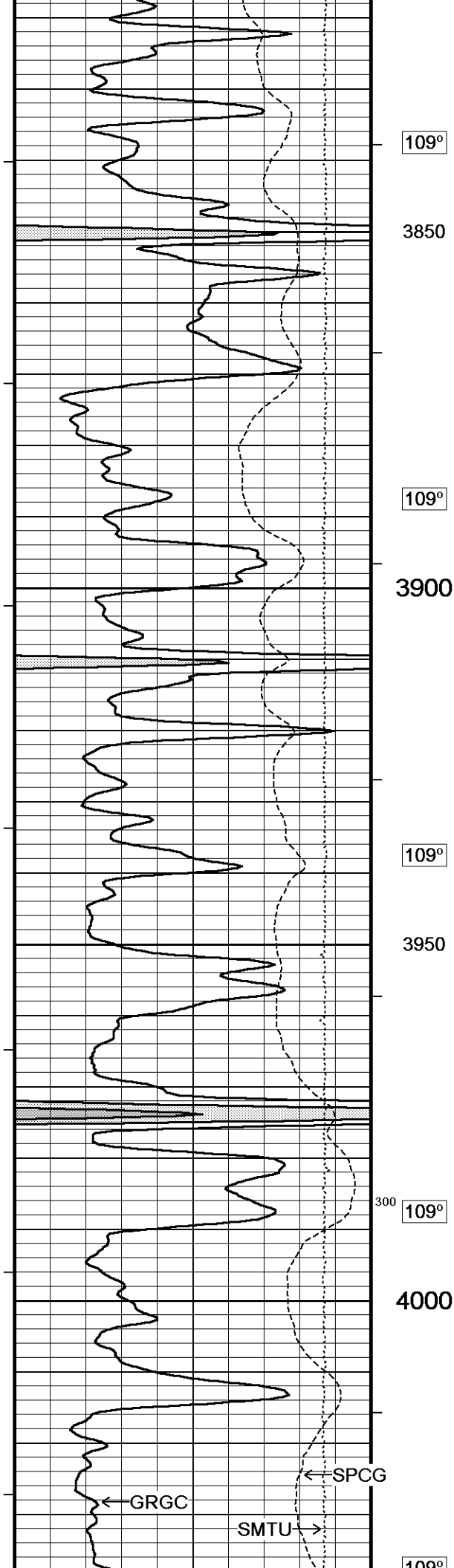
Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Minimus 13.08.2113\Logs\Shakespeare Janzen #3...\Shakespeare Janzen #3-26 MAIN.dta
System Versions: Logged with 13.08.2113 Plotted with 13.08.2113

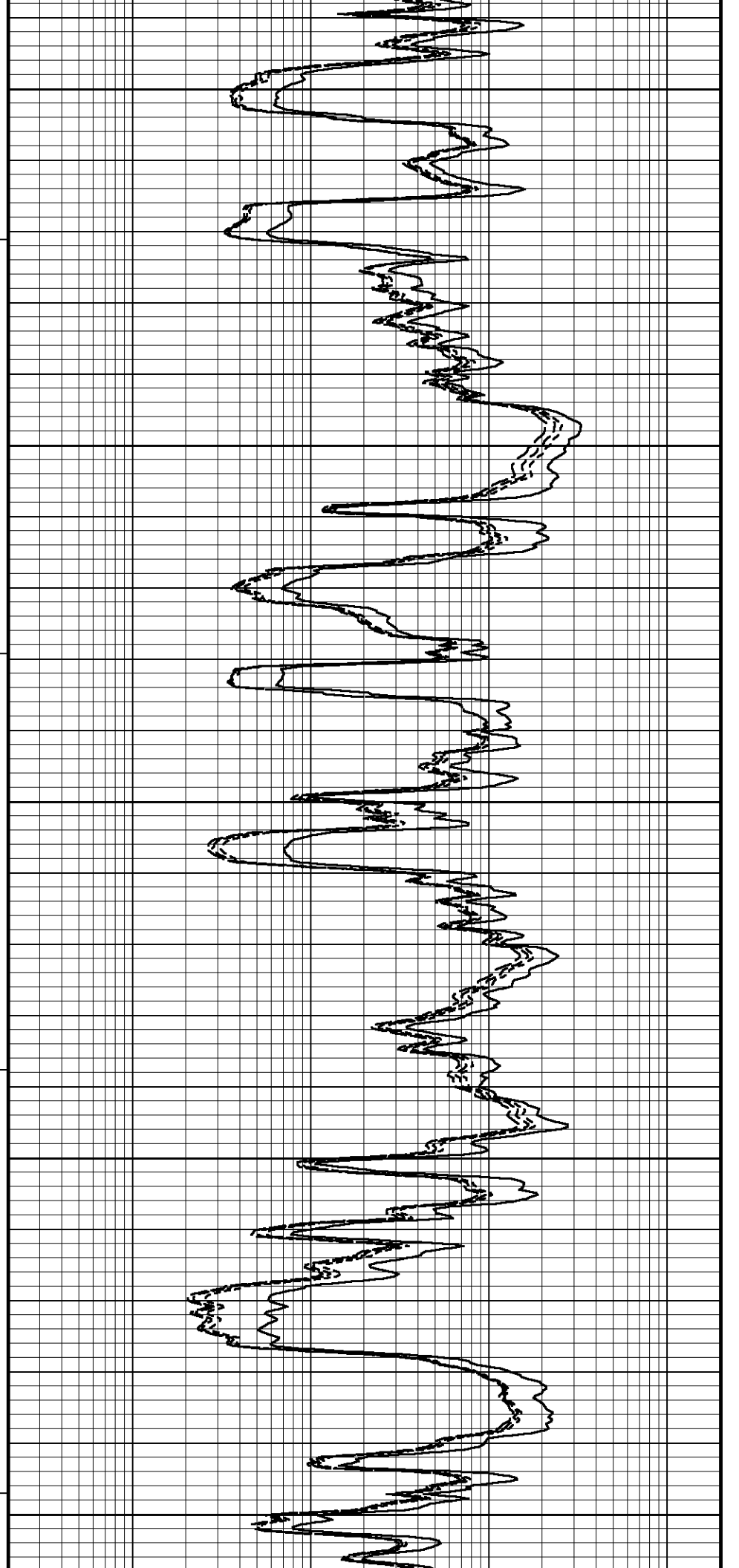
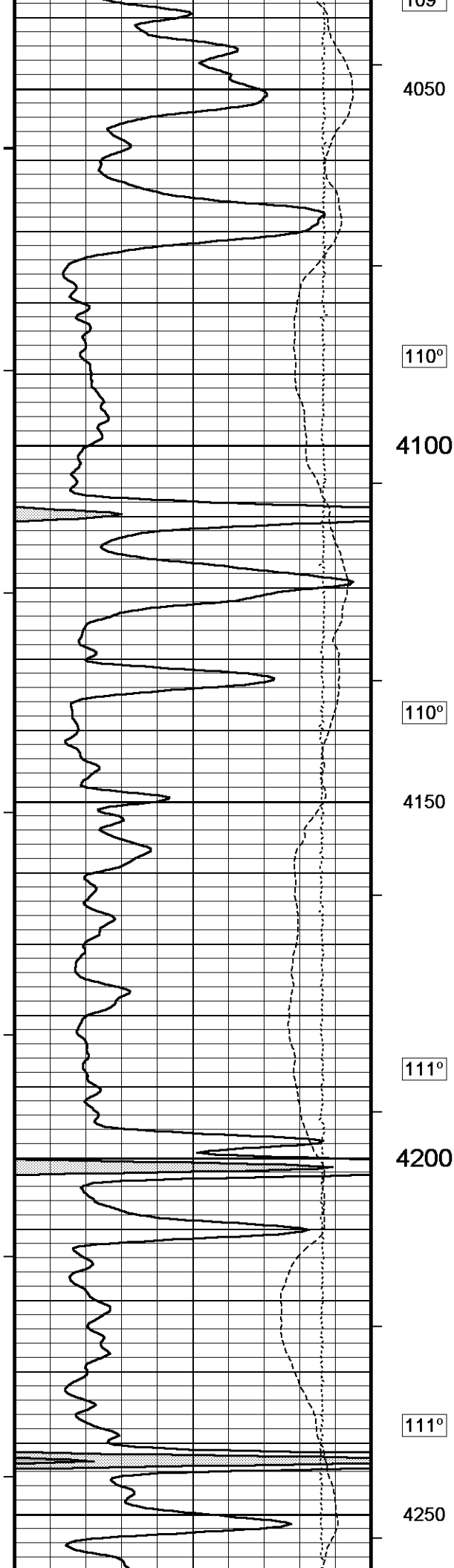
↑ 2 INCH MAIN ↑

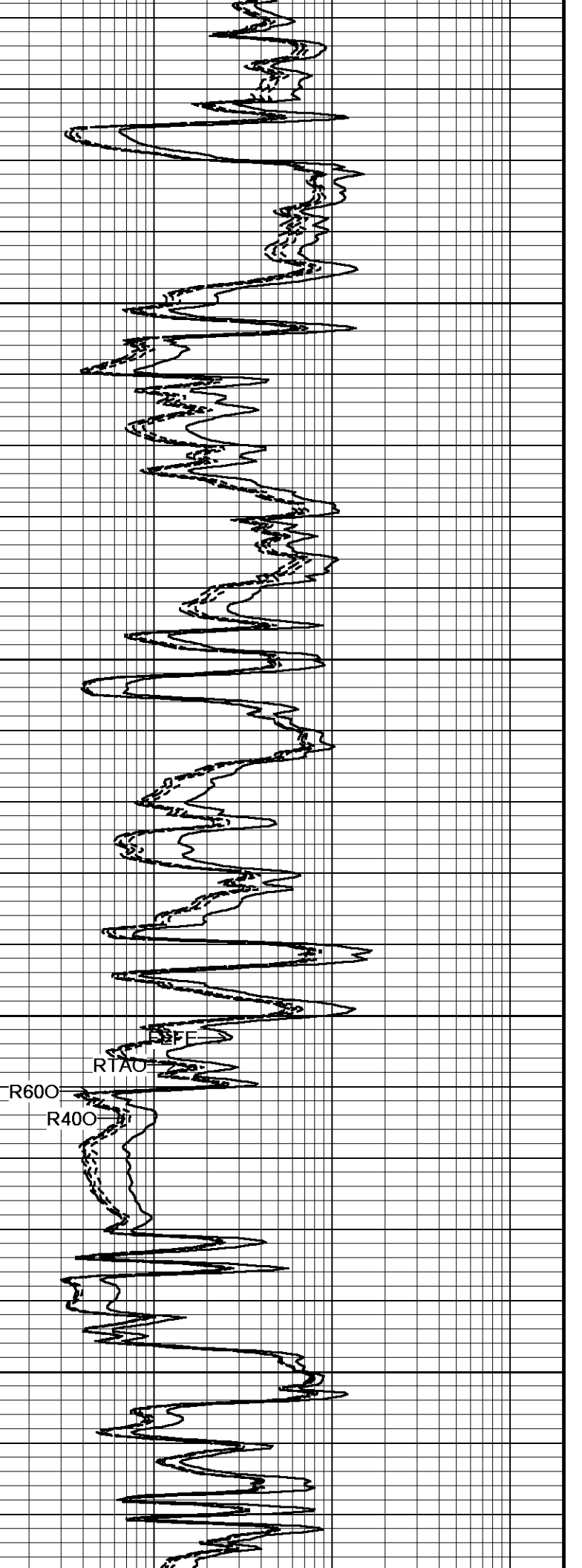
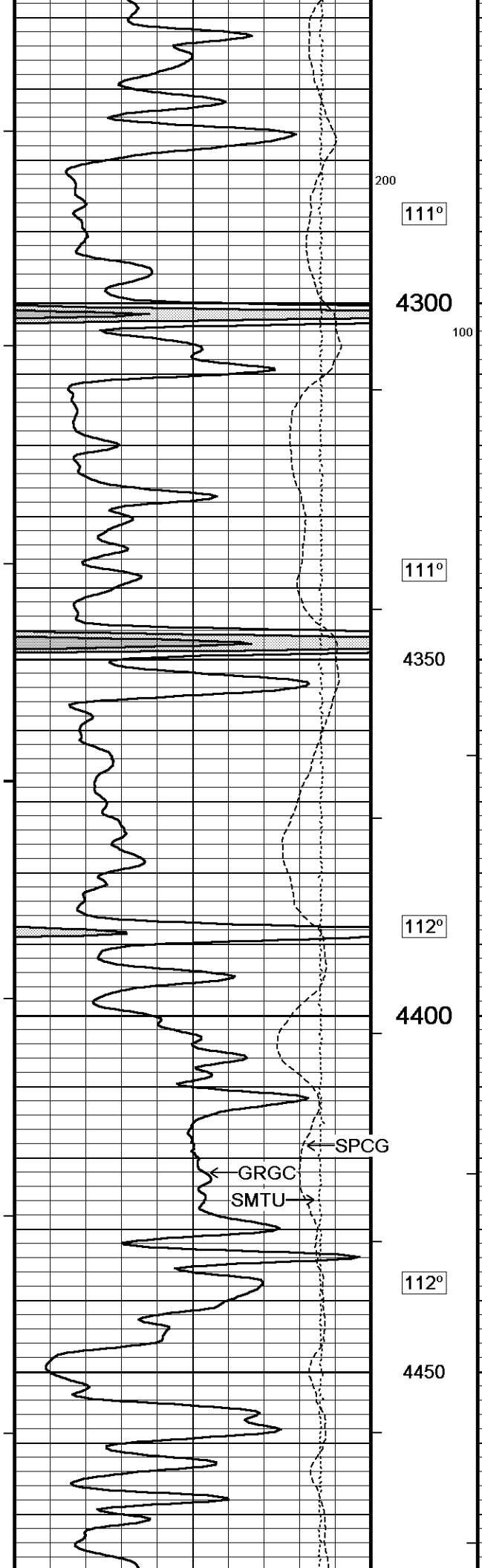
↓ 5 INCH MAIN ↓

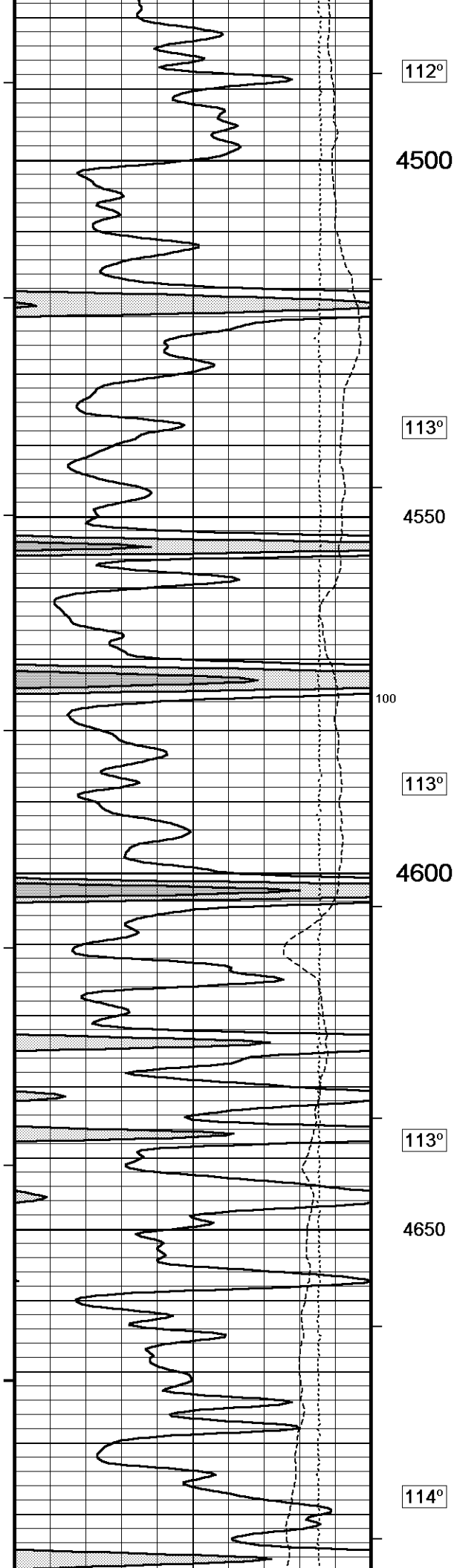
Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Minimus 13.08.2113\Logs\Shakespeare Janzen #3...\Shakespeare Janzen #3-26 MAIN.dta
System Versions: Logged with 13.08.2113 Plotted with 13.08.2113











112°

4500

113°

4550

100

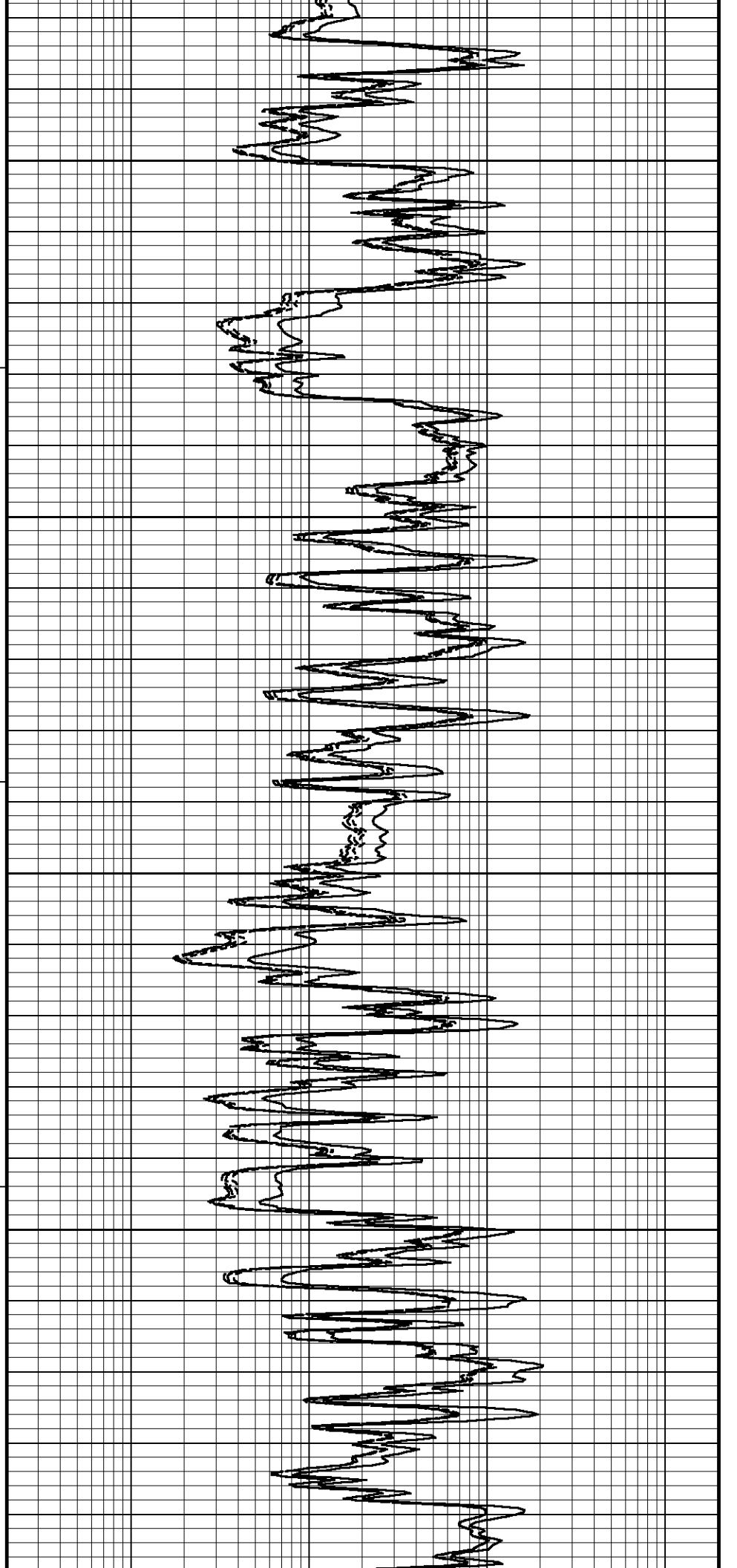
113°

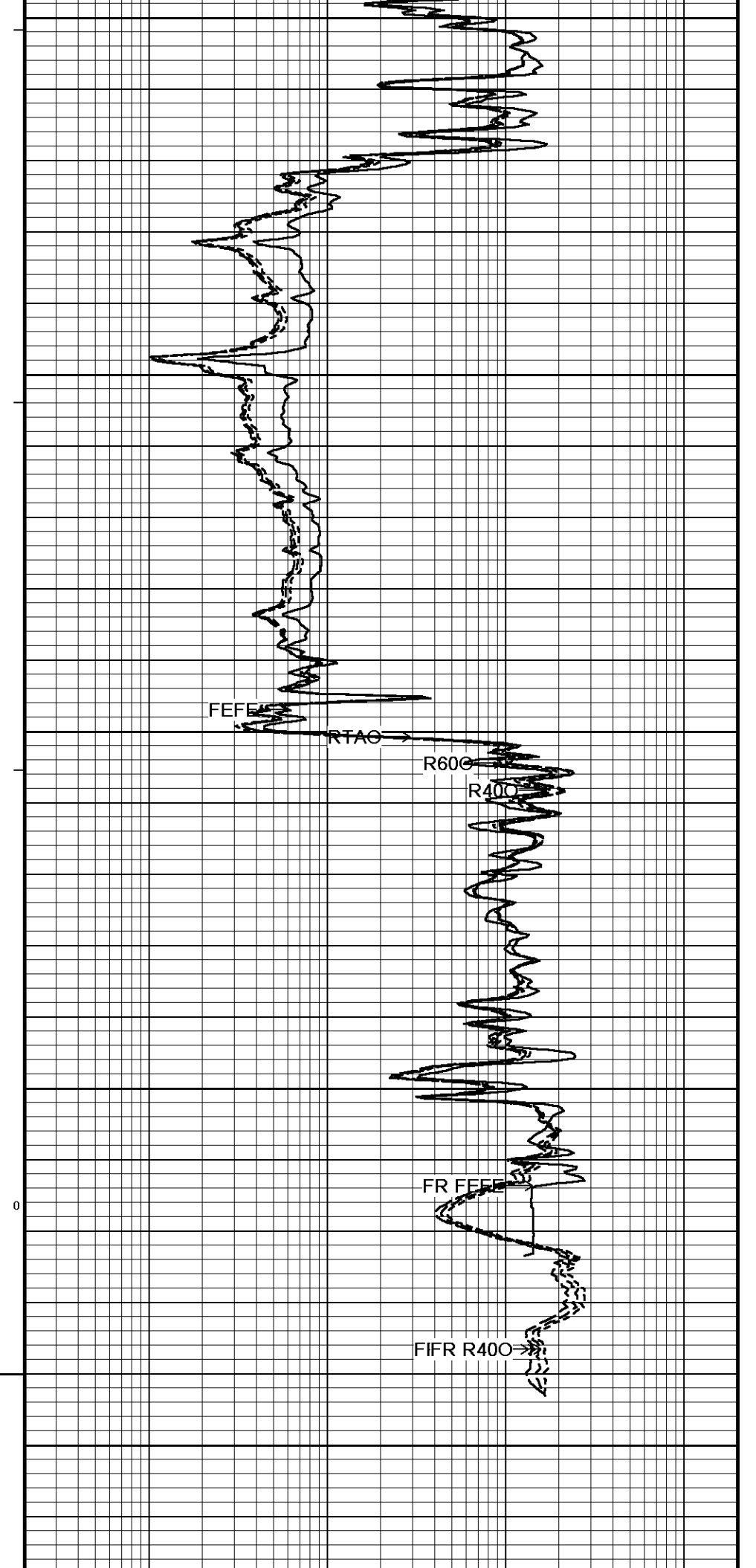
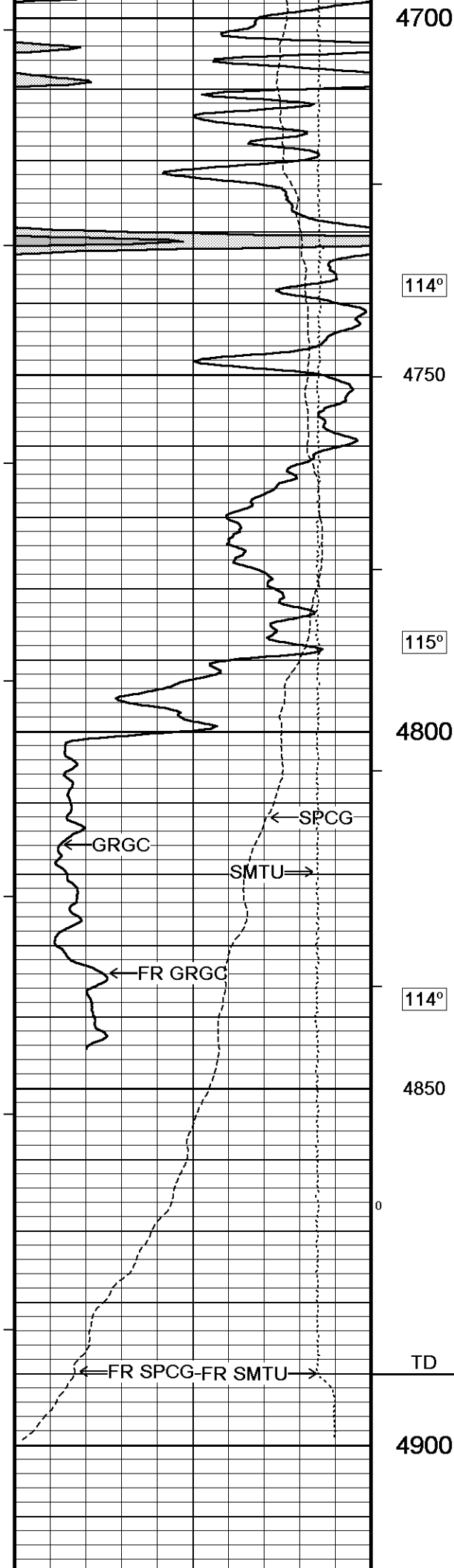
4600

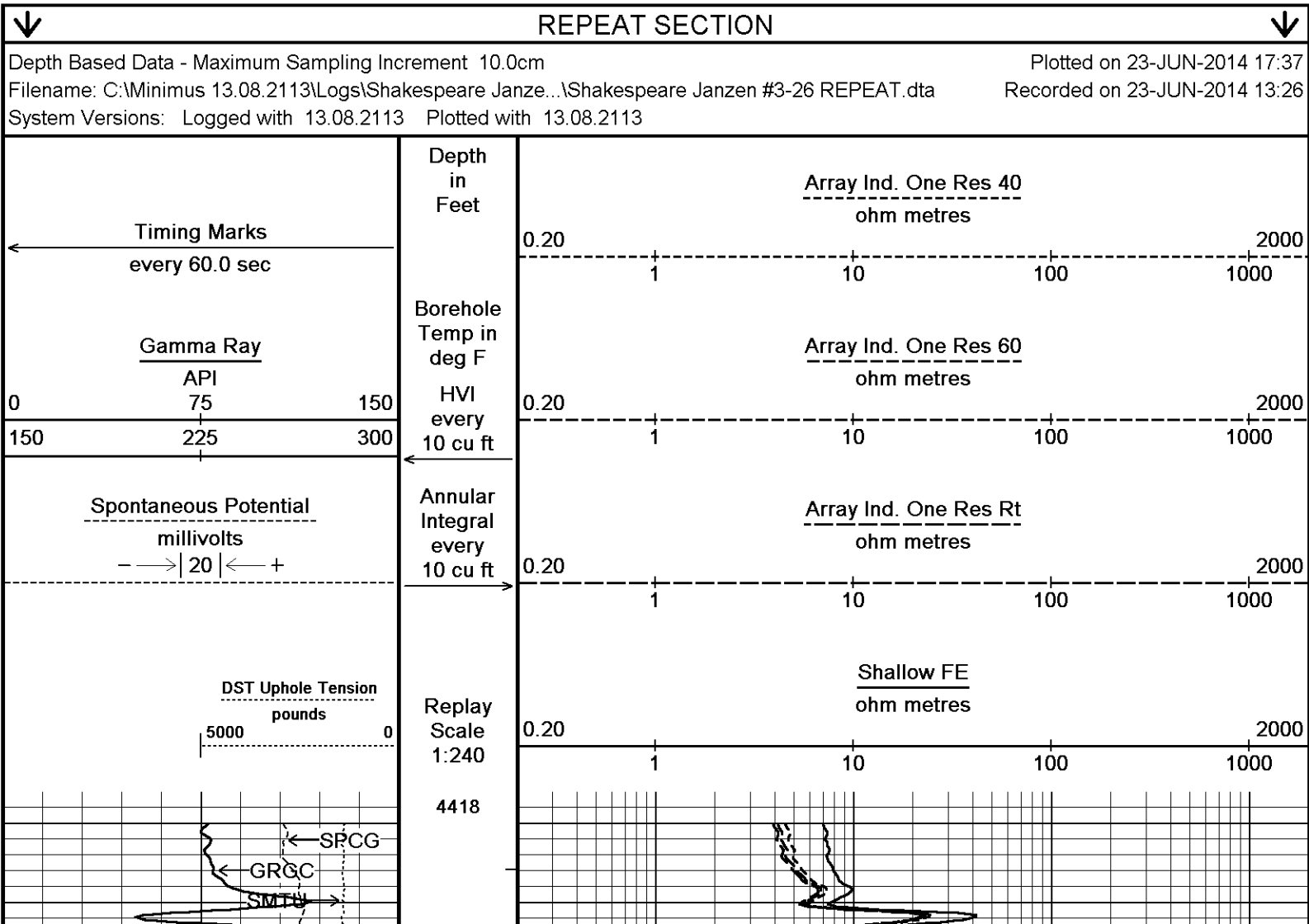
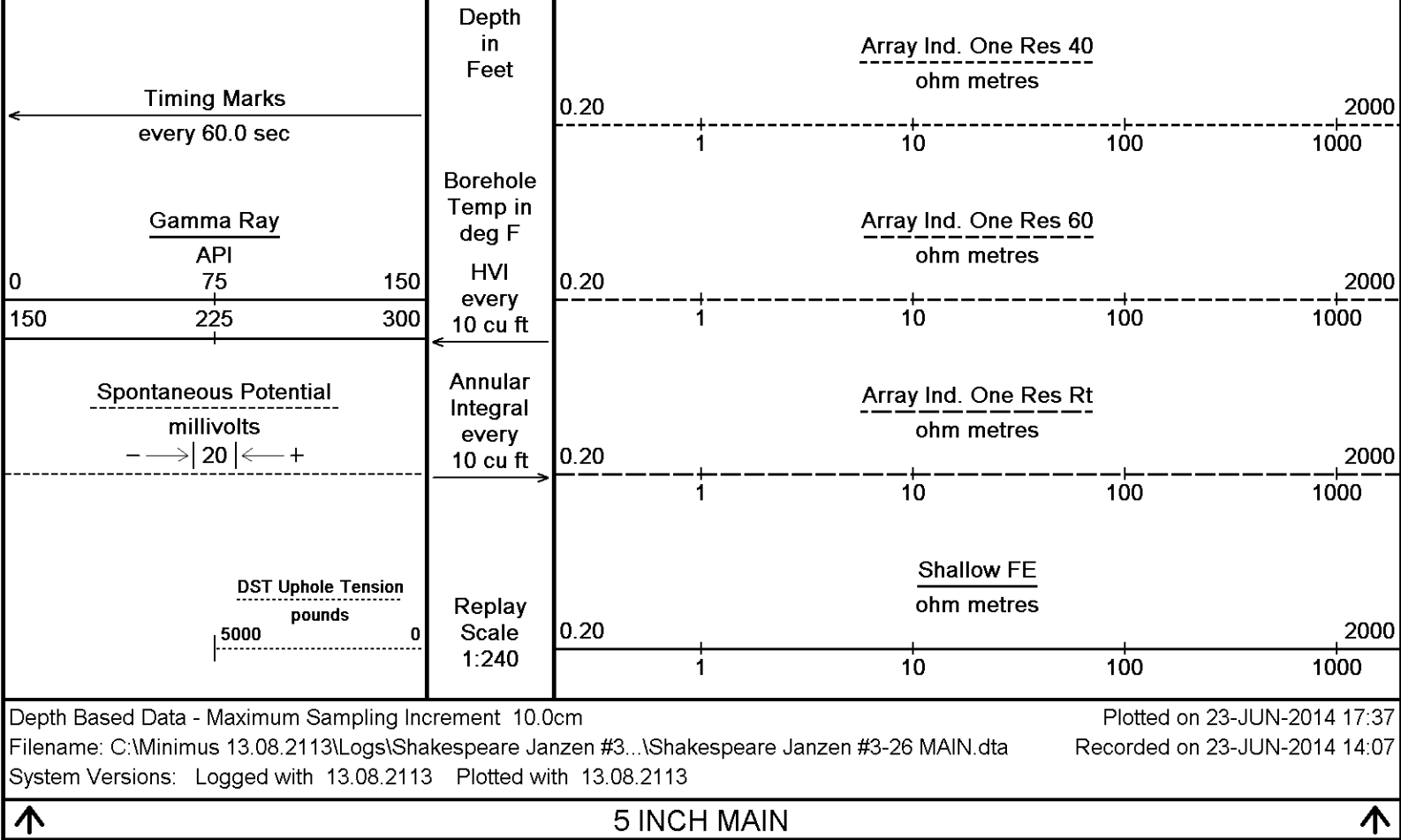
113°

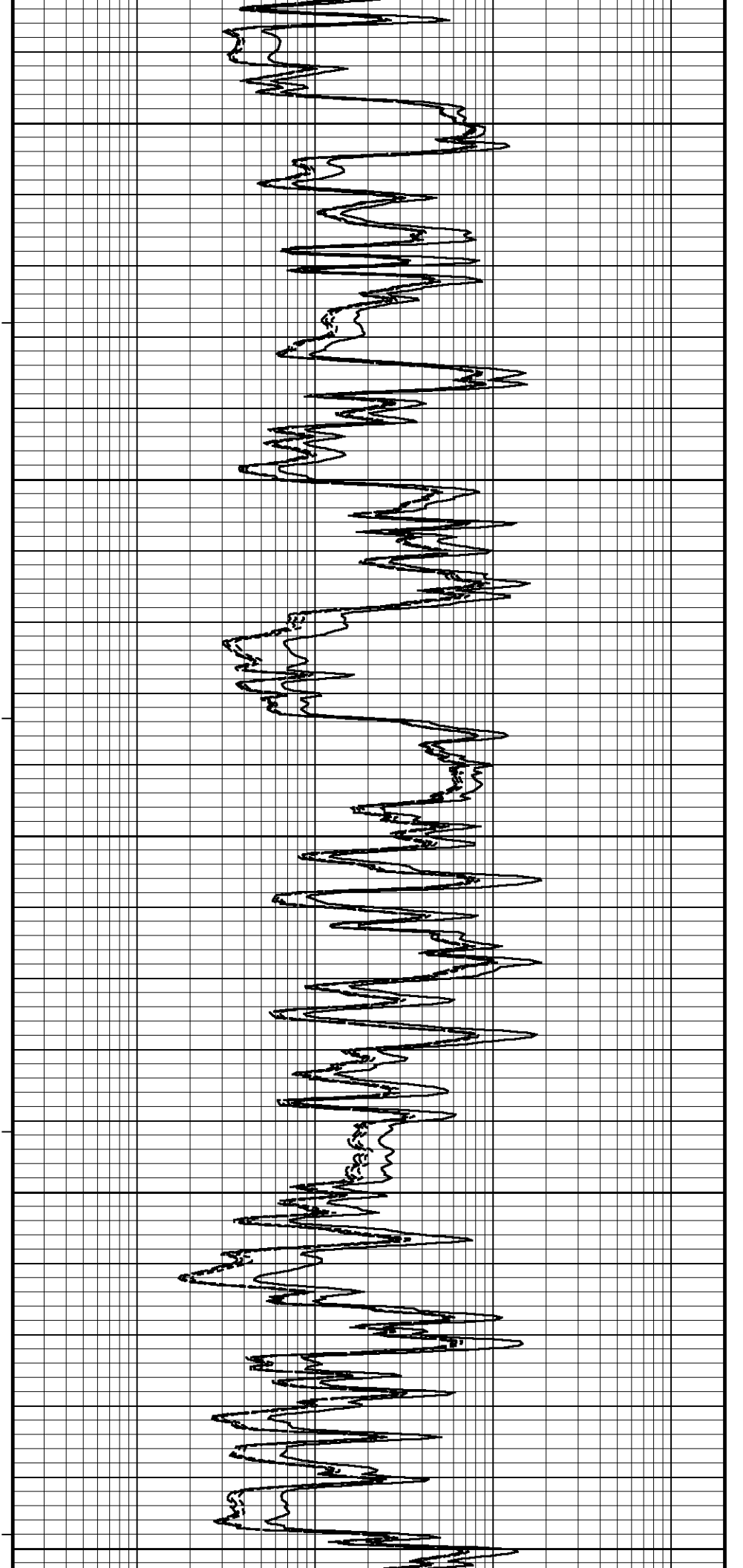
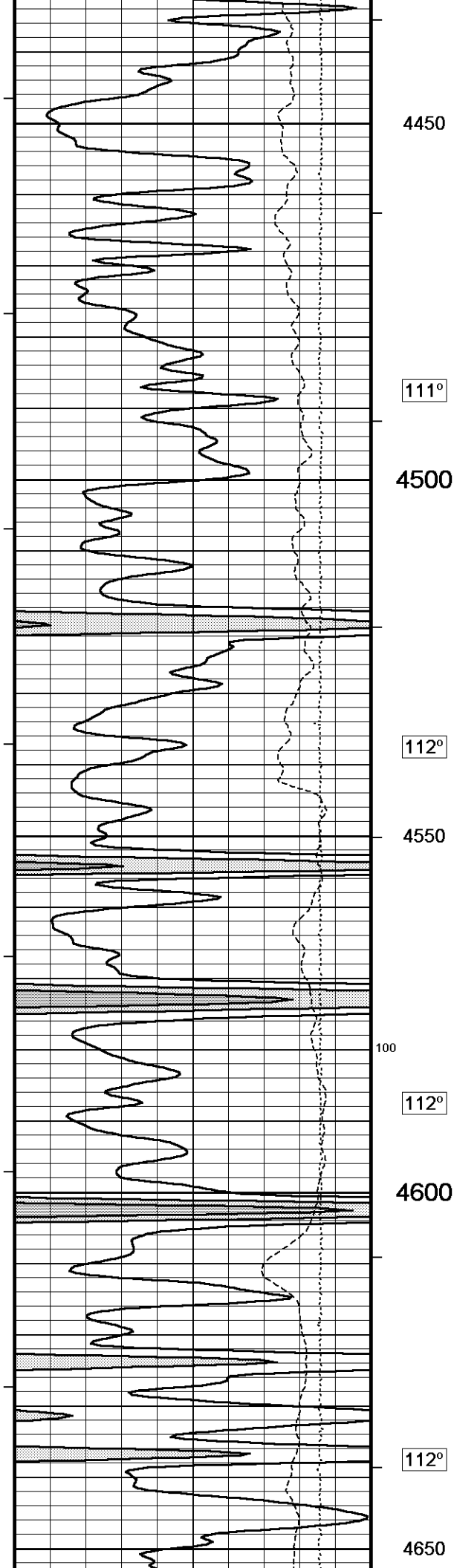
4650

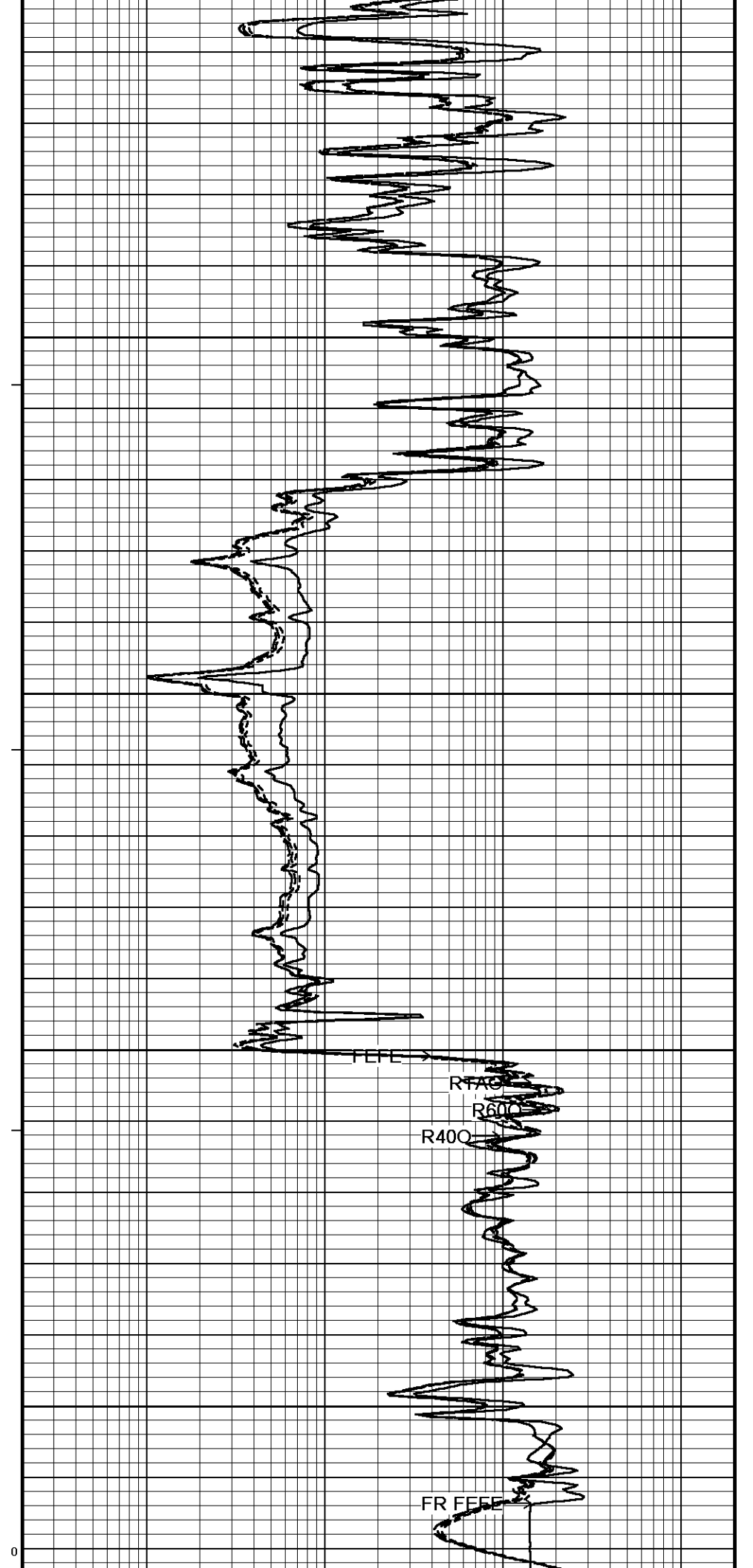
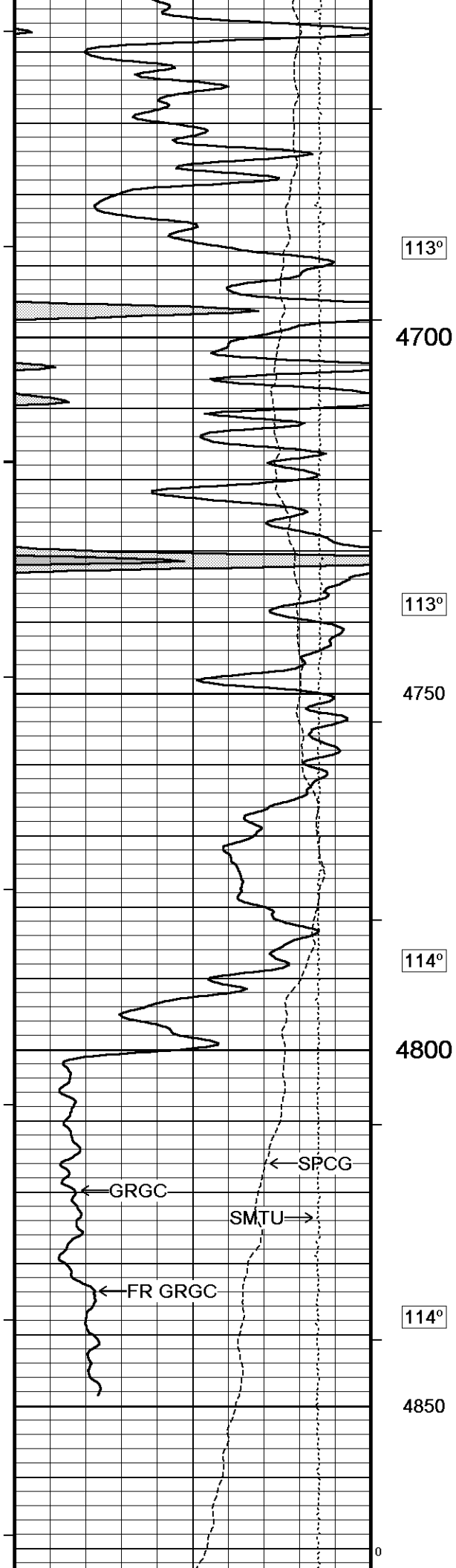
114°

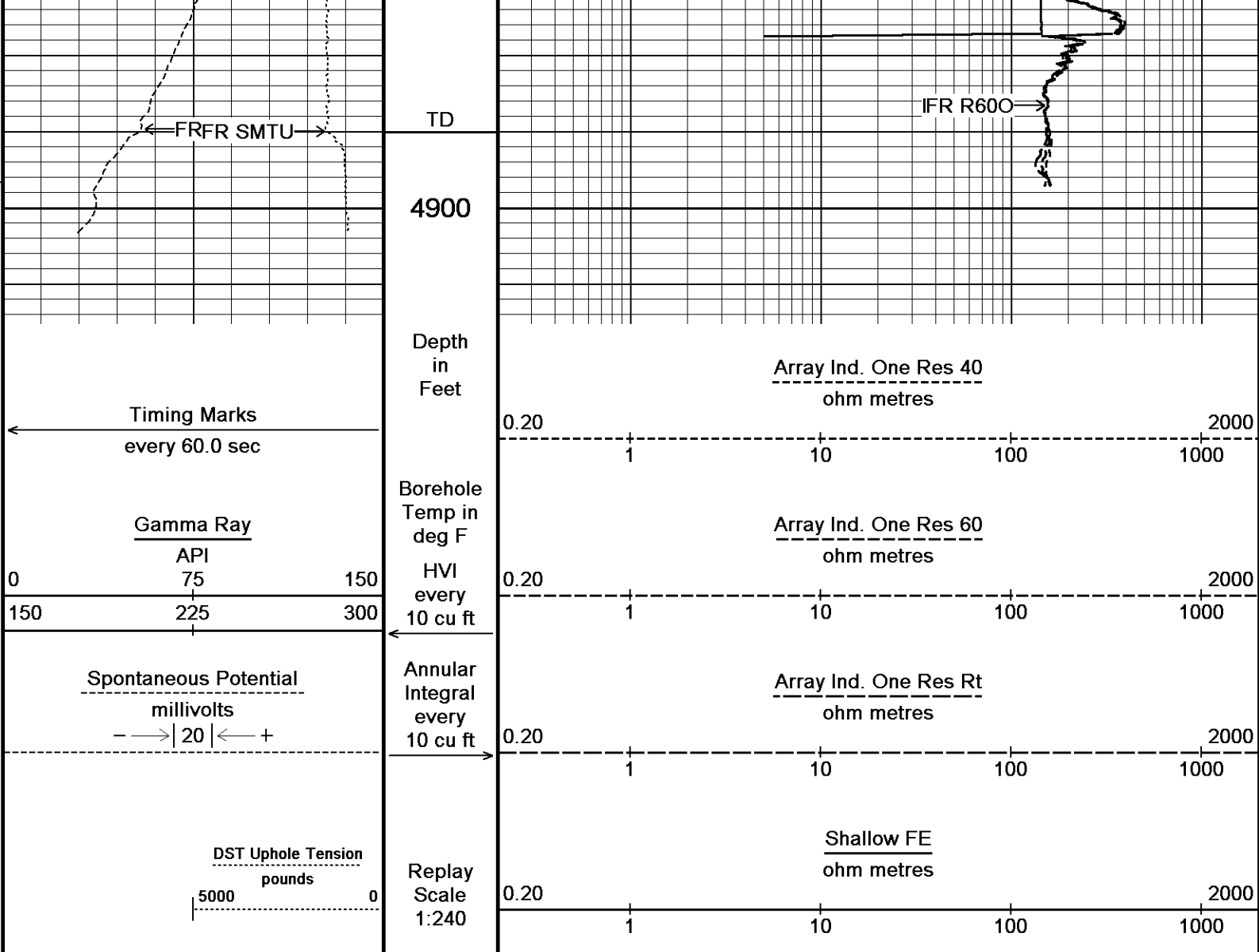












Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Minimus 13.08.2113\Logs\Shakespeare Janzen...\Shakespeare Janzen #3-26 REPEAT.dta
System Versions: Logged with 13.08.2113 Plotted with 13.08.2113
Plotted on 23-JUN-2014 17:37
Recorded on 23-JUN-2014 13:26

↑ REPEAT SECTION ↑

BEFORE SURVEY CALIBRATION		
C:\Minimus 13.08.2113\Logs\Shakespeare Janzen #3-26\Shakespeare Janzen #3-26 REPEAT.dta		
General Constants All 000		Last Edited on 23-JUN-2014,11:26
General Parameters		
Mud Resistivity	0.440	ohm-metres
Mud Resistivity Temperature	94.000	degrees F
Water Level	0.000	feet
Borehole Fluid 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	Density Caliper	
Rwa Parameters		
Porosity used	Crossplot Porosity	
Resistivity used	Array Ind. One Res Rt	
RWA Constant A	0.610	
RWA Constant M	2.150	

SW/APOR Tool Source		0.000	
Down-hole Tension Calibration SMS 0			
			Field Calibration on 23-JUN-2014 12:33
Reading No	Measured	Calibrated (lbs)	
1	15669.38	0.00	
2	16235.25	481.00	
Gamma Calibration MCG-D.K 442			
			Field Calibration on 23-JUN-2014 06:39
	Measured	Calibrated (API)	
Background	71	48	
Calibrator (Gross)	1157	773	
Calibrator (Net)	1086	725	
Gamma Constants MCG-D.K 442			
			Last Edited on 23-JUN-2014,10:28
Gamma Calibrator Number	GRC038		
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	%	
High Resolution Temperature Calibration MCG-D.K 442			
			Field Calibration on 10-MAY-2014,10:22
	Measured	Calibrated(Deg F)	
Lower	50.00	50.00	
Upper	75.00	75.00	
High Resolution Temperature Constants MCG-D.K 442			
			Last Edited on 10-MAY-2014,10:22
Pre-filter Length	11		
SP Calibration MCG-D.K 442			
			Field Calibration on 10-MAY-2014 10:40
	Measured	Calibrated (mV)	
Reference 1	98.8	99.0	
Reference 2	-98.4	-98.8	
Caliper Calibration MMR-C.A 248			
			Base Calibration on 20-JUN-2014 09:22 Field Calibration on 23-JUN-2014 06:23
Base Calibration			
Reading No	Measured	Calibrator Size (in)	
1	13560	5.98	
2	16725	7.97	
3	19859	9.86	
4	23840	11.92	
5	0	0.00	
6	N/A	N/A	
Field Calibration			
	Measured Caliper (in)	Actual Caliper (in)	
	7.98	7.97	
Micro Normal and Micro Inverse Calibration MMR-C.A 248			
			Base Calibration on 20-JUN-2014 09:12 Field Check on 23-JUN-2014 06:22
Base Calibration			
	Measured	Calibrated (ohm-m)	
Channel	Resistor 1	Resistor 2	Resistor 1
Micro Normal	9.9	49.5	5.1
Micro Inverse	9.9	49.5	3.4
			Resistor 2
Channel	Base Check (ohm-m)	Field Check (ohm-m)	
Micro Normal	93.9	93.9	
Micro Inverse	62.2	62.2	
Micro Normal and Micro Inverse Constants MMR-C.A 248			
			Last Edited on 23-JAN-2014,17:04
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	0.0000	inches	

Neutron Calibration MDN-B.J 387

Base Calibration on 08-MAY-2014 14:03
Field Check on 23-JUN-2014 06:44

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	2970	91	3714	110
Ratio	32.668		33.764	

Field Calibrator at Base

	Calibrated (cps)
	1688 2486
Ratio	0.679

Field Check

	Calibrated (cps)
	1689 2475
Ratio	0.680

Neutron Constants MDN-B.J 387

Last Edited on 23-JUN-2014,11:27

Neutron Source Id	P58125B	
Neutron Jig Number	5824NE	
Epithermal Neutron		
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	N/A	kpsi
Temperature Source	Constant Value	
Temperature	68.00	degrees F
Mud Salinity	0.00	kppm
Salinity Correction	Not Applied	
Formation Fluid Salinity Source	None	
Formation Fluid Salinity	N/A	kppm
Barite Mud Correction	Not Applied	

FE Calibration MFE-A.A 55

Base Calibration on 20-JUN-2014 09:41
Field Check on 23-JUN-2014 06:14

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	950.7	126.8
Base Check		281.7
Field Check		281.8

FE Constants MFE-A.A 55

Last Edited on 23-JUN-2014,11:27

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-A.A 73

Last Edited on 23-JUN-2014,11:28

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

Sonde Mode
Hole Type

Compensated
Open Hole

Sonde Parameters

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

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

Processed Fixed Gate Parameters

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

Full Waveform Parameters

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

Induction Calibration MAI-A.A 5

Base Calibration on 21-JAN-2014,09:50
Field Check on 23-JUN-2014 06:13

Base Calibration

Test Loop Calibration		Measured	Calibrated (mmho/m)	
Channel	Low	High	Low	High
1	16.3	470.8	9.3	966.2
2	5.6	376.1	7.6	821.4
3	2.6	266.1	5.2	566.0
4	1.6	130.0	2.6	279.2

Array Temperature 71.1 Deg F

Channel	Base Check (mmho/m)	Field Check (mmho/m)		
	Low	High	Low	High
1	0.0	0.0	15.1	3862.6
2	0.0	0.0	31.7	3591.0
3	0.0	0.0	29.8	2971.7
4	0.0	0.0	20.8	2126.4
Deep			18.4	1912.4
Medium			43.0	3861.7
Shallow			47.2	5372.9

Array Temperature 0.0 73.4 Deg F

Induction Constants MAI-A.A 5

Last Edited on 23-JUN-2014,11:28

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	

High Resolution Temperature Calibration MAI-A.A 5

Field Calibration on 21-JAN-2014,15:43

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

High Resolution Temperature Constants MAI-A.A 5

Last Edited on 09-MAY-2014,12:22

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

Caliper Calibration MPD-D.A 480

Base Calibration on 08-MAY-2014 14:36

Field Calibration on 23-JUN-2014 06:16

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	17491	3.99
2	27463	5.98
3	37484	7.97
4	47415	9.86
5	58518	11.92
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
8.03	7.97

Photo Density Calibration MPD-D.A 480

Base Calibration on 08-MAY-2014 14:53

Field Check on 23-JUN-2014 06:21

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Background	1275	1464		
Reference 1	55908	26147	59556	30836
Reference 2	22982	2651	24941	2541

Field Check at Base

1274.5 1464.0

Field Check

1270.4 1465.1

PE Calibration

Base Calibration

Measured

Calibrated

WS

WH

Ratio

Ratio

Background

241

1140

Reference 1

23265

55701

0.422

0.371

Reference 2

6806

22836

0.303

0.272

Field Check at Base

240.7

1139.6

Field Check

239.4

1136.0

Density Constants MPD-D.A 480

Last Edited on 23-JUN-2014,10:28

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

1.11

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 (m)

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

DOWNHOLE EQUIPMENT

C:\Minimus 13.08.2113\Logs\Shakespeare Janzen #3-26\Shakespeare Janzen #3-26 REPEAT.dta

CBH-C, Cablehead, 11 pin

CBH-C 0 LG: 2.40 ft WT: 24.3 lb OD: 2.244 in

Compact Comms Gamma

MCG-D.K 442 LG: 8.70 ft WT: 63.9 lb OD: 2.244 in

Compact Micro-Resistivity

MMR-C.A 248 LG: 8.59 ft WT: 81.6 lb OD: 4.882 in

Compact Neutron

MDN-B.J 387 LG: 5.04 ft WT: 50.7 lb OD: 2.244 in

Compact Density/Caliper

MPD-D.A 480 LG: 9.59 ft WT: 90.4 lb OD: 2.449 in



56.02 ft

GRGC - Gamma Ray

53.11 ft

CGXT - MCG External Temperature

45.76 ft

MINV - MMR MicroLog Inverse

45.76 ft

MNRL - MMR MicroLog Normal

40.97 ft

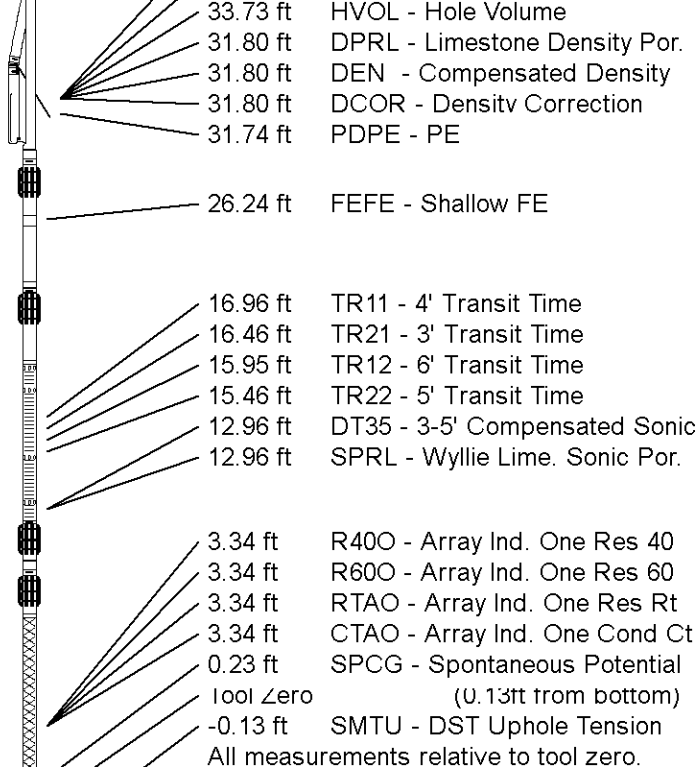
NPRL - Limestone Neutron Por.

33.73 ft

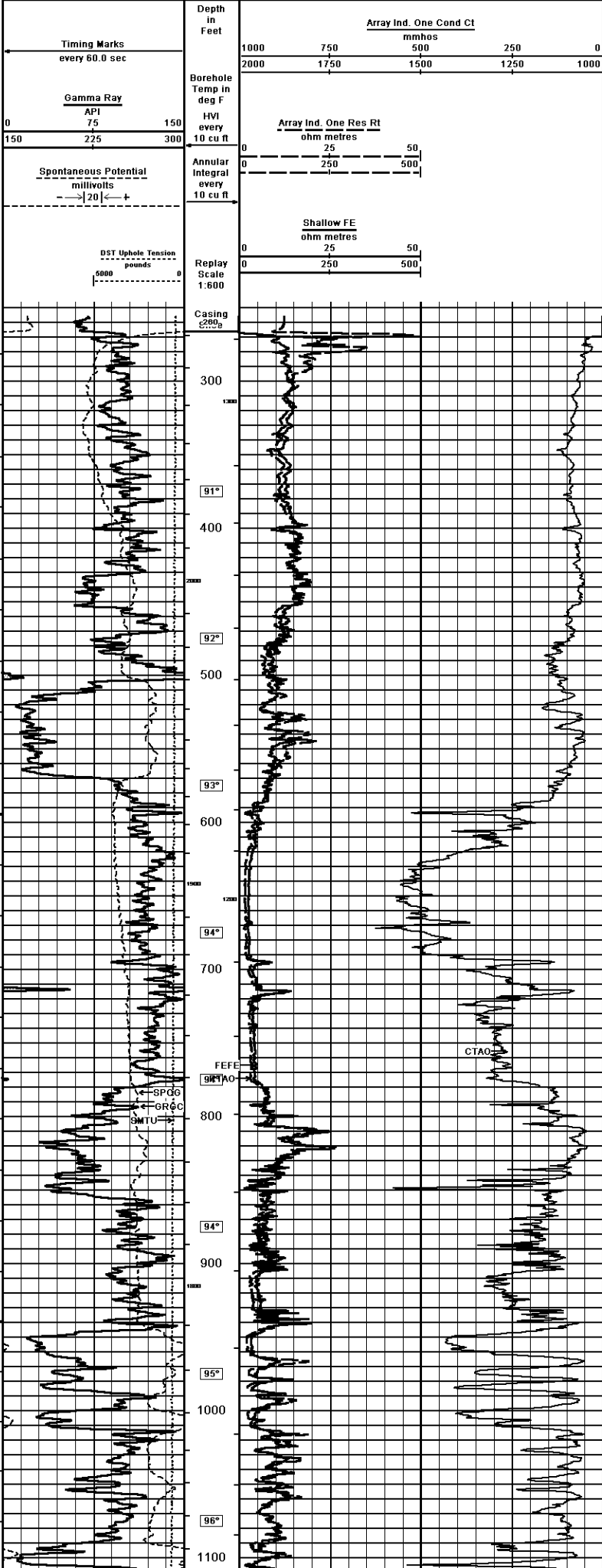
CLDC - Density Caliper

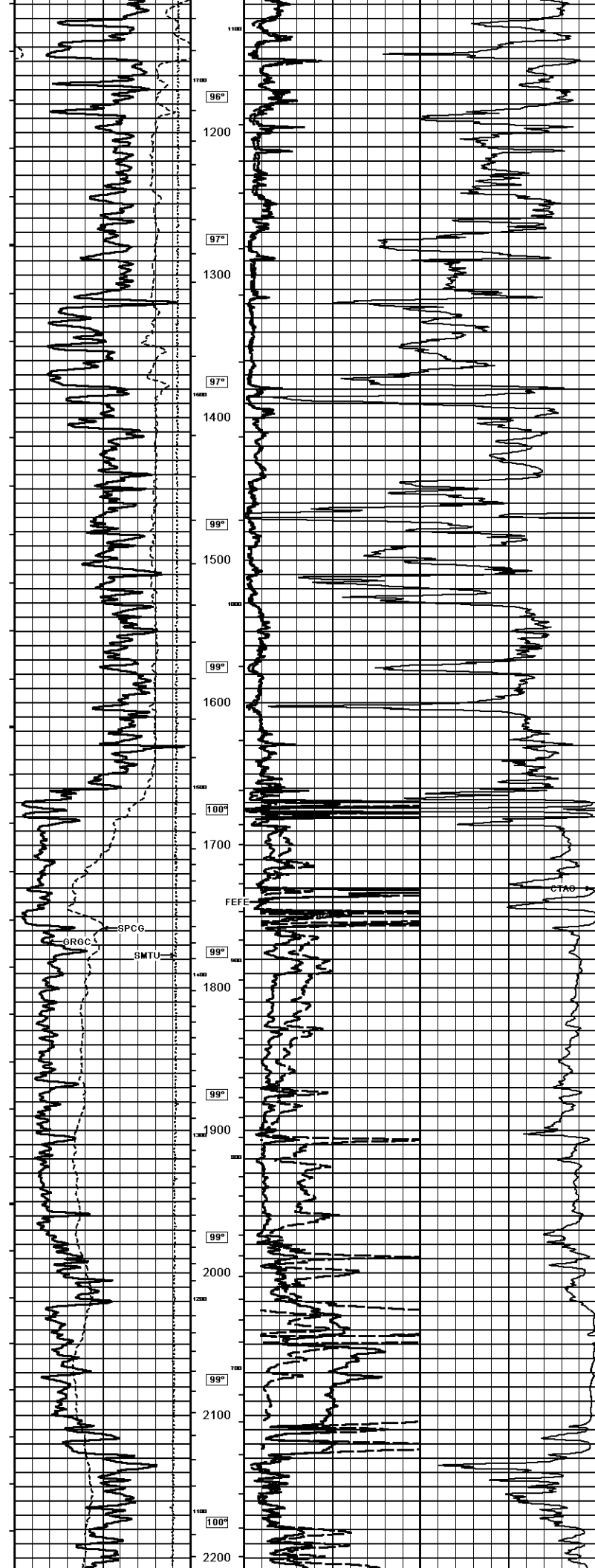
33.73 ft

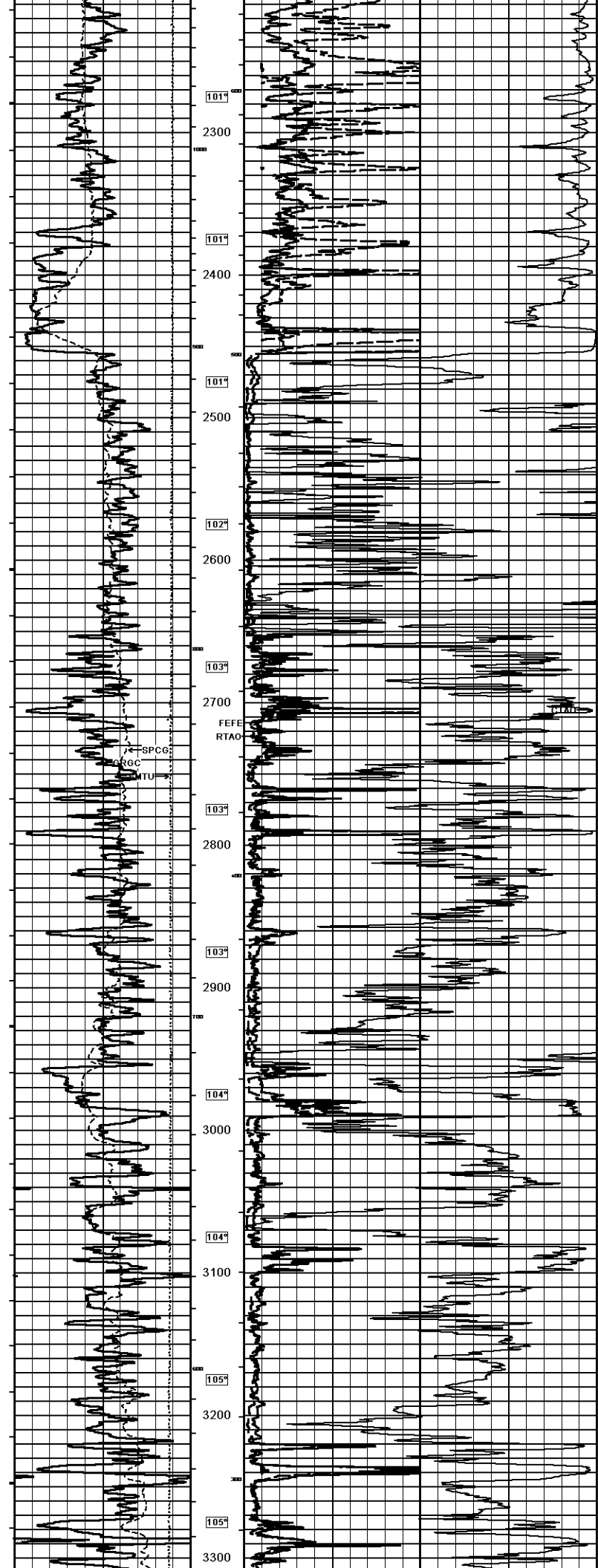
AVOL - Annular Volume

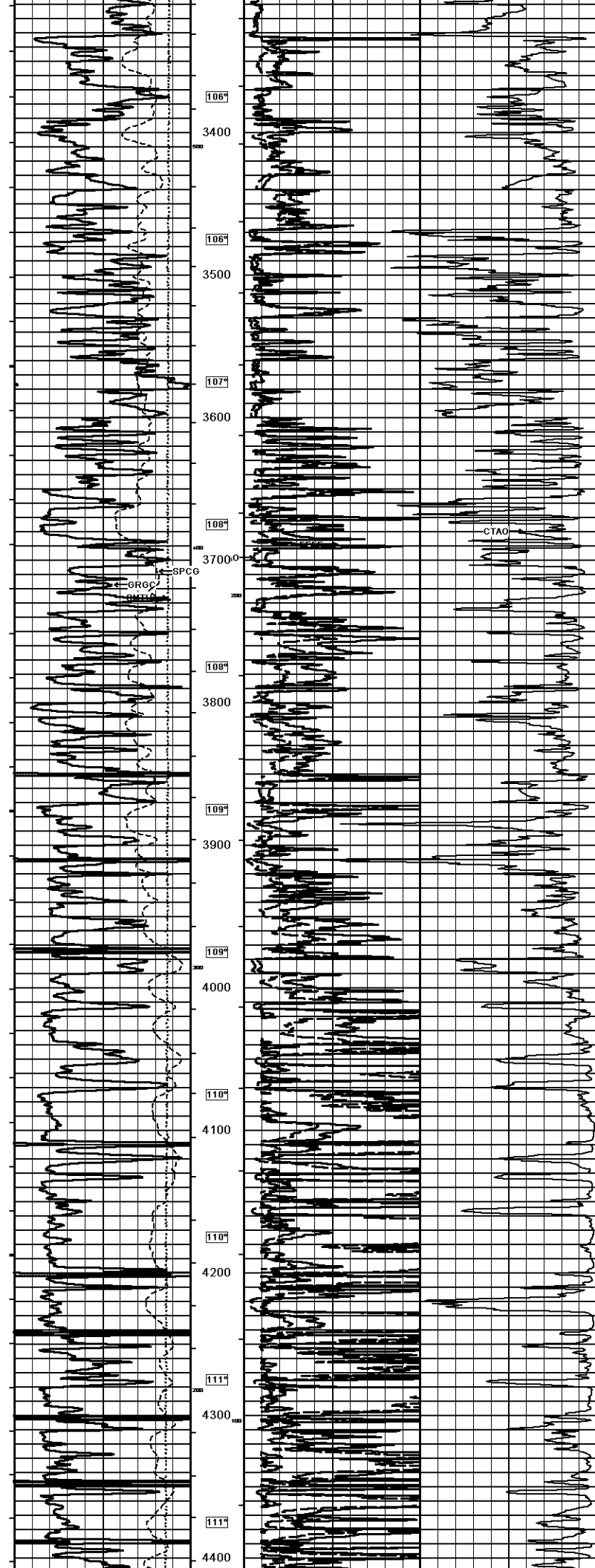


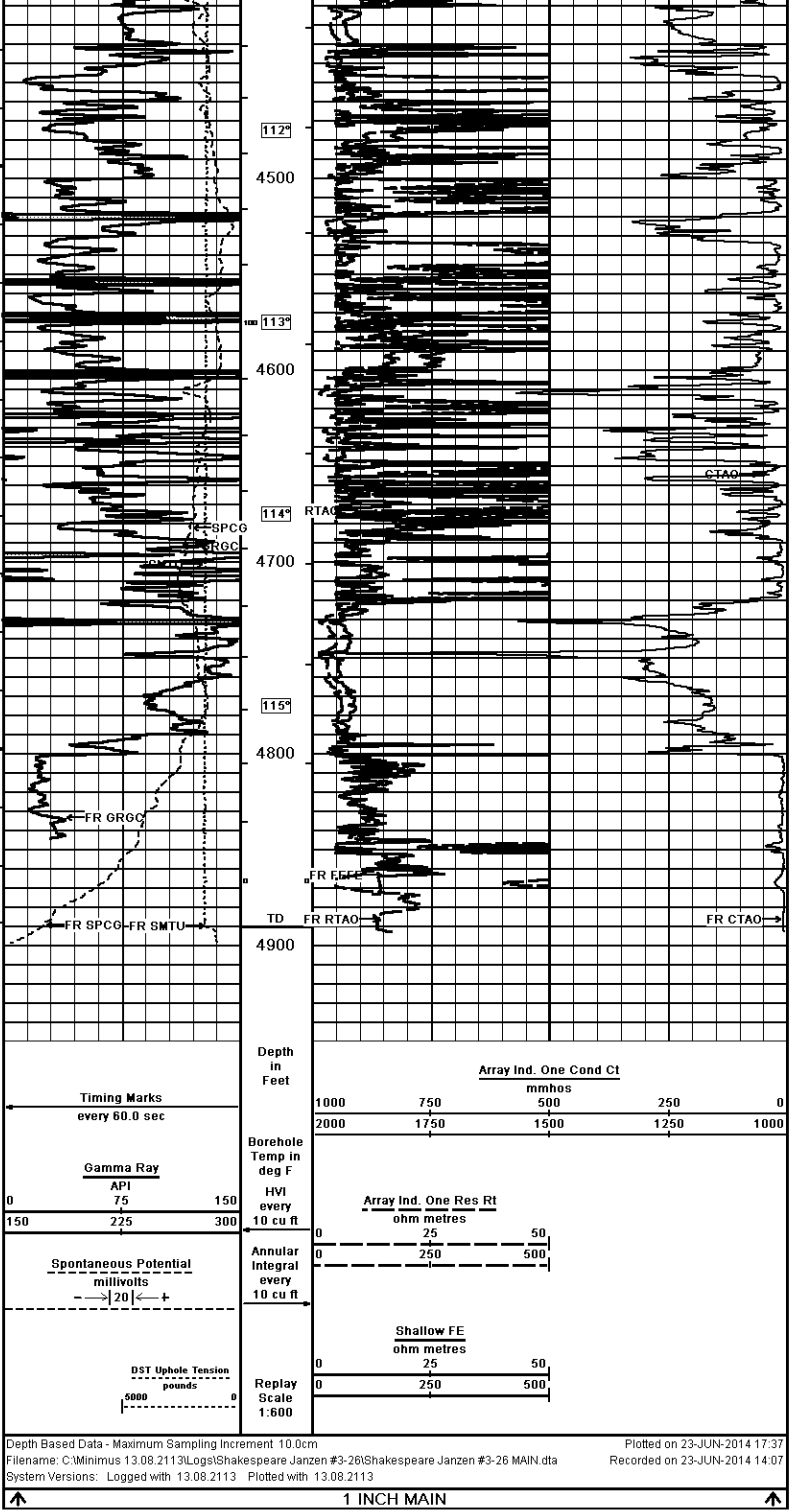
 Weatherford		ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG																																																																																																	
COMPANY SHAKEPEARE OIL COMPANY, INC.		WELL JANZEN #3-26																																																																																																	
PROVINCE/COUNTRY SCOTT		FIELD PENCE EAST																																																																																																	
COUNTRY/STATE U.S.A. / KANSAS		LOCATION 1000' FSL & 1200' FEL																																																																																																	
SEC. 26 TWP. 18S RGE. 34W		Other services IMP/OM/DNI																																																																																																	
Latitude Longitude API Number 15-471-21067		MINIL																																																																																																	
Permanent Datum GL Elevation 3107 feet Log Measured From 10' KB Drilling Measured From KB @ 12 feet		Repositions KB DF GL																																																																																																	
Date 23-JUN-2014		Feet 3119.00 3117.00 3107.00																																																																																																	
<table border="1"> <thead> <tr> <th>Run Number</th> <th>ONE</th> <th>Run Number</th> <th>ONE</th> </tr> </thead> <tbody> <tr> <td>Service Order</td> <td>7577-90708978</td> <td>Service Order</td> <td>7577-90708978</td> </tr> <tr> <td>Depth Driller</td> <td>4890.00</td> <td>Depth Driller</td> <td>4890.00</td> </tr> <tr> <td>Depth Logger</td> <td>4890.00</td> <td>Depth Logger</td> <td>4890.00</td> </tr> <tr> <td>First Reading</td> <td>4887.00</td> <td>First Reading</td> <td>4887.00</td> </tr> <tr> <td>Last Reading</td> <td>266.00</td> <td>Last Reading</td> <td>266.00</td> </tr> <tr> <td>Casing Driller</td> <td>266.00</td> <td>Casing Driller</td> <td>266.00</td> </tr> <tr> <td>Casing Logger</td> <td>266.00</td> <td>Casing Logger</td> <td>266.00</td> </tr> <tr> <td>Bit Size</td> <td>7.875</td> <td>Bit Size</td> <td>7.875</td> </tr> <tr> <td>Fluid Type</td> <td>CHEMICAL</td> <td>Fluid Type</td> <td>CHEMICAL</td> </tr> <tr> <td>Density/Viscosity</td> <td>9.30</td> <td>Density/Viscosity</td> <td>9.30</td> </tr> <tr> <td>API Fluid Loss</td> <td>10.50</td> <td>API Fluid Loss</td> <td>10.50</td> </tr> <tr> <td>Sample Source</td> <td>MUD PIT</td> <td>Sample Source</td> <td>MUD PIT</td> </tr> <tr> <td>Rmt @ Measured Temp</td> <td>0.44 @ 94.0</td> <td>Rmt @ Measured Temp</td> <td>0.44 @ 94.0</td> </tr> <tr> <td>Rmt @ Measured Temp</td> <td>0.35 @ 94.0</td> <td>Rmt @ Measured Temp</td> <td>0.35 @ 94.0</td> </tr> <tr> <td>Rmt @ Measured Temp</td> <td>0.53 @ 94.0</td> <td>Rmt @ Measured Temp</td> <td>0.53 @ 94.0</td> </tr> <tr> <td>Source Rmt/Rmc</td> <td>CALC</td> <td>Source Rmt/Rmc</td> <td>CALC</td> </tr> <tr> <td>Time @ BHT</td> <td>0.36 @ 115.0</td> <td>Time @ BHT</td> <td>0.36 @ 115.0</td> </tr> <tr> <td>Time Since Circulation</td> <td>4 HOURS</td> <td>Time Since Circulation</td> <td>4 HOURS</td> </tr> <tr> <td>Max Recorded Temp</td> <td>115.00</td> <td>Max Recorded Temp</td> <td>115.00</td> </tr> <tr> <td>Equipment /Pase</td> <td>13244</td> <td>Equipment /Pase</td> <td>13244</td> </tr> <tr> <td>Recorded By</td> <td>JEFFREY RANDLE</td> <td>Recorded By</td> <td>JEFFREY RANDLE</td> </tr> <tr> <td>Witnessed By</td> <td>KES HANSEN</td> <td>Witnessed By</td> <td>KES HANSEN</td> </tr> <tr> <td>DOB #</td> <td>1874-1087</td> <td>DOB #</td> <td>1874-1087</td> </tr> </tbody> </table>				Run Number	ONE	Run Number	ONE	Service Order	7577-90708978	Service Order	7577-90708978	Depth Driller	4890.00	Depth Driller	4890.00	Depth Logger	4890.00	Depth Logger	4890.00	First Reading	4887.00	First Reading	4887.00	Last Reading	266.00	Last Reading	266.00	Casing Driller	266.00	Casing Driller	266.00	Casing Logger	266.00	Casing Logger	266.00	Bit Size	7.875	Bit Size	7.875	Fluid Type	CHEMICAL	Fluid Type	CHEMICAL	Density/Viscosity	9.30	Density/Viscosity	9.30	API Fluid Loss	10.50	API Fluid Loss	10.50	Sample Source	MUD PIT	Sample Source	MUD PIT	Rmt @ Measured Temp	0.44 @ 94.0	Rmt @ Measured Temp	0.44 @ 94.0	Rmt @ Measured Temp	0.35 @ 94.0	Rmt @ Measured Temp	0.35 @ 94.0	Rmt @ Measured Temp	0.53 @ 94.0	Rmt @ Measured Temp	0.53 @ 94.0	Source Rmt/Rmc	CALC	Source Rmt/Rmc	CALC	Time @ BHT	0.36 @ 115.0	Time @ BHT	0.36 @ 115.0	Time Since Circulation	4 HOURS	Time Since Circulation	4 HOURS	Max Recorded Temp	115.00	Max Recorded Temp	115.00	Equipment /Pase	13244	Equipment /Pase	13244	Recorded By	JEFFREY RANDLE	Recorded By	JEFFREY RANDLE	Witnessed By	KES HANSEN	Witnessed By	KES HANSEN	DOB #	1874-1087	DOB #	1874-1087
Run Number	ONE	Run Number	ONE																																																																																																
Service Order	7577-90708978	Service Order	7577-90708978																																																																																																
Depth Driller	4890.00	Depth Driller	4890.00																																																																																																
Depth Logger	4890.00	Depth Logger	4890.00																																																																																																
First Reading	4887.00	First Reading	4887.00																																																																																																
Last Reading	266.00	Last Reading	266.00																																																																																																
Casing Driller	266.00	Casing Driller	266.00																																																																																																
Casing Logger	266.00	Casing Logger	266.00																																																																																																
Bit Size	7.875	Bit Size	7.875																																																																																																
Fluid Type	CHEMICAL	Fluid Type	CHEMICAL																																																																																																
Density/Viscosity	9.30	Density/Viscosity	9.30																																																																																																
API Fluid Loss	10.50	API Fluid Loss	10.50																																																																																																
Sample Source	MUD PIT	Sample Source	MUD PIT																																																																																																
Rmt @ Measured Temp	0.44 @ 94.0	Rmt @ Measured Temp	0.44 @ 94.0																																																																																																
Rmt @ Measured Temp	0.35 @ 94.0	Rmt @ Measured Temp	0.35 @ 94.0																																																																																																
Rmt @ Measured Temp	0.53 @ 94.0	Rmt @ Measured Temp	0.53 @ 94.0																																																																																																
Source Rmt/Rmc	CALC	Source Rmt/Rmc	CALC																																																																																																
Time @ BHT	0.36 @ 115.0	Time @ BHT	0.36 @ 115.0																																																																																																
Time Since Circulation	4 HOURS	Time Since Circulation	4 HOURS																																																																																																
Max Recorded Temp	115.00	Max Recorded Temp	115.00																																																																																																
Equipment /Pase	13244	Equipment /Pase	13244																																																																																																
Recorded By	JEFFREY RANDLE	Recorded By	JEFFREY RANDLE																																																																																																
Witnessed By	KES HANSEN	Witnessed By	KES HANSEN																																																																																																
DOB #	1874-1087	DOB #	1874-1087																																																																																																











COMPANY		SHAKESPEARE OIL COMPANY, INC.			
WELL		JANZEN #3-26			
FIELD		PENCE EAST			
PROVINCE/COUNTY		SCOTT			
COUNTRY/STATE		U.S.A. / KANSAS			
Elevation Kelly Bushing	3119.00	feet	First Reading	4887.00	feet
Elevation Drill Floor	3117.00	feet	Depth Driller	4890.00	feet
Elevation Ground Level	3107.00	feet	Depth Logger	4890.00	feet
 Weatherford		ARRAY INDUCTION			
		SHALLOW FOCUSED			
		ELECTRIC LOG			