



DUAL INDUCTION LOG

Company American Oil LLC.

Well Baugher #4

Field Ellis Northwest

County Trego State Kansas

Location: API #: 15 195 23072

SEC 23 TWP 12S RGE 21W

Permanent Datum Ground Level Elevation 2258'

Log Measured From KB 5' AGL

Drilling Measured From KB

Other Services
CDNL
ML

Elevation
K.B. 2263'
D.F. 2262'
G.L. 2258'

Date 10-8-18

Run Number One

Depth Driller 4020'

Depth Logger 4024'

Bottom Logged Interval 4022'

Top Log Interval 240'

Casing Driller 8 5/8" @ 260'

Casing Logger 260'

Bit Size 7 7/8"

Type Fluid in Hole Chemical

Density / Viscosity 9.0/48

pH / Fluid Loss 10.1/5.2

Source of Sample Pit

Rm @ Meas. Temp 1.8@74degf

Rmf @ Meas. Temp 1.35@74degf

Rmc @ Meas. Temp 2.2@74degf

Source of Rmf / Rmc Calculated

Rm @ BHT 1.2@109degf

Time Circulation Stopped 11:30 p.m.

Time Logger on Bottom 12:15 a.m.

Maximum Recorded Temperature 109degf

Equipment Number T-127

Location Hays, KS.

Recorded By C. Patterson

Witnessed By Mr. Austin Klaus

Comments

North of Ellis on Ellis Black Top 2.5 mi. (Ellis Ave.) To Locust Grove Rd.,
Then West on Locust Grove Rd. 3 mi. to 400 Ave., Then North on 400 Ave. 1/4 mi west into Location

Thanks for using Gemini Wireline LLC
785-625-1182

Database File aobaugher#4oh.db
Dataset Pathname pass2.3
Presentation Format kdillinn
Dataset Creation Mon Oct 08 02:37:50 2018
Charted by Depth in Feet scaled 1:600

GR (GAPI) 150

1000

CILD (mmho/m)

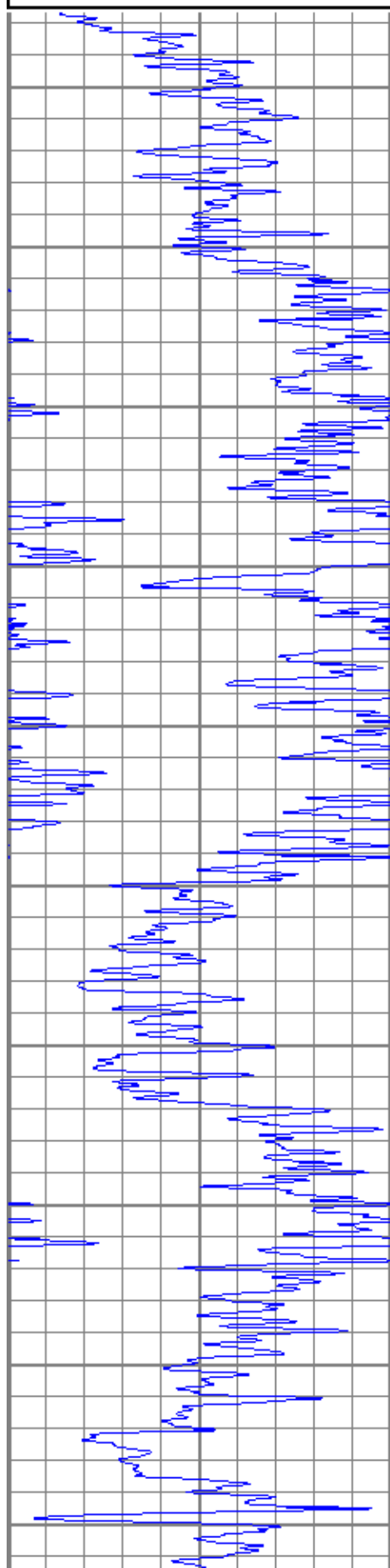
0

10000

LTEN (lb)

0

0	RILD (Ohm-m)	50
0	RLL3 (Ohm-m)	50
50	RILD x 10 (Ohm-m)	500
50	RLL3 x 10 (Ohm-m)	500



200

250

300

350

400

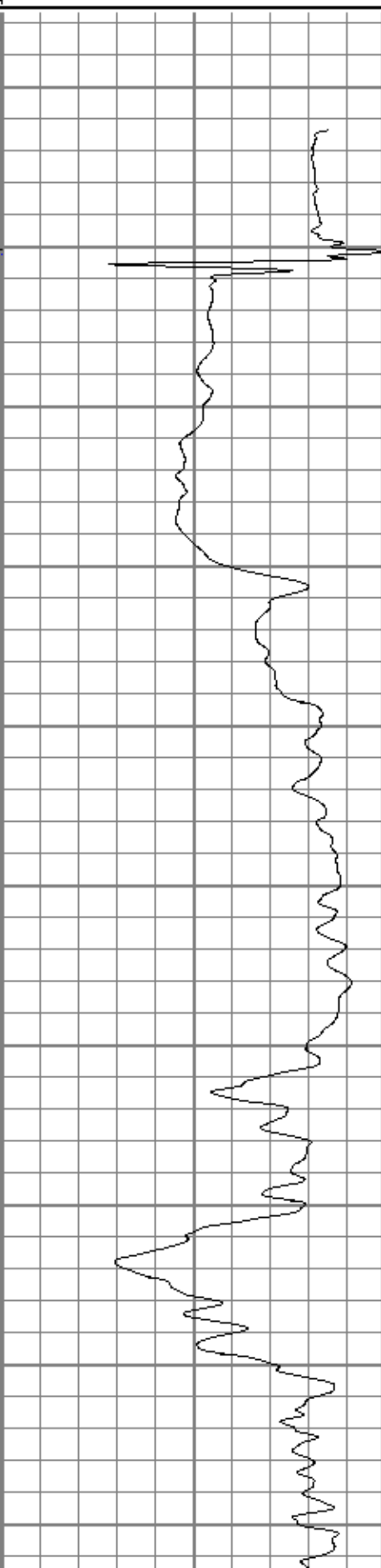
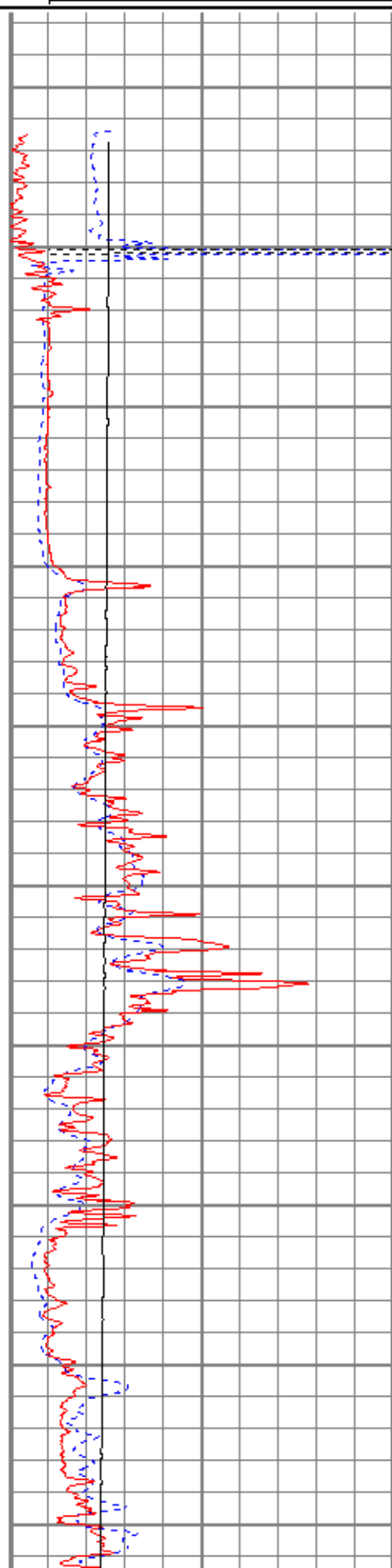
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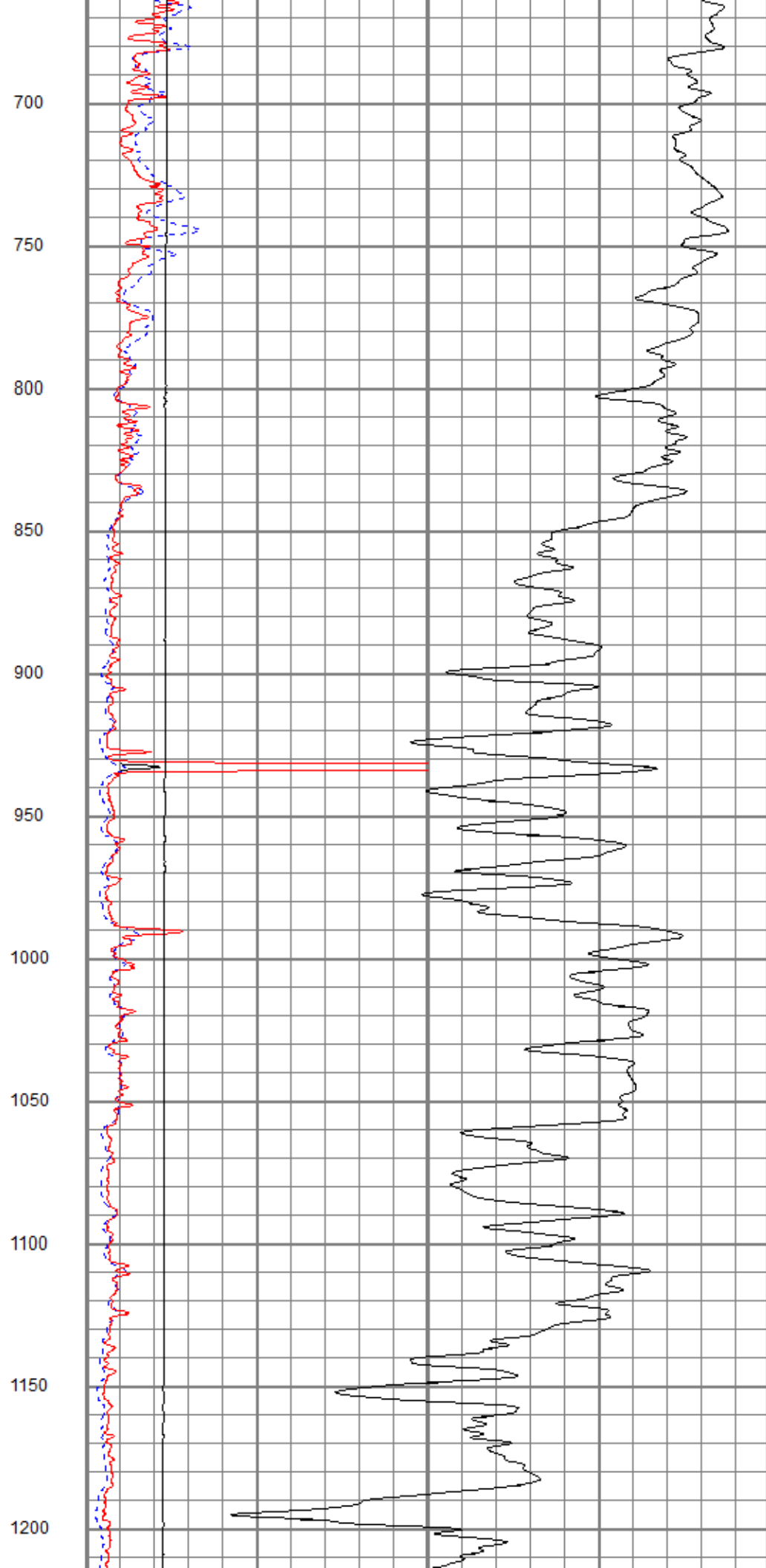
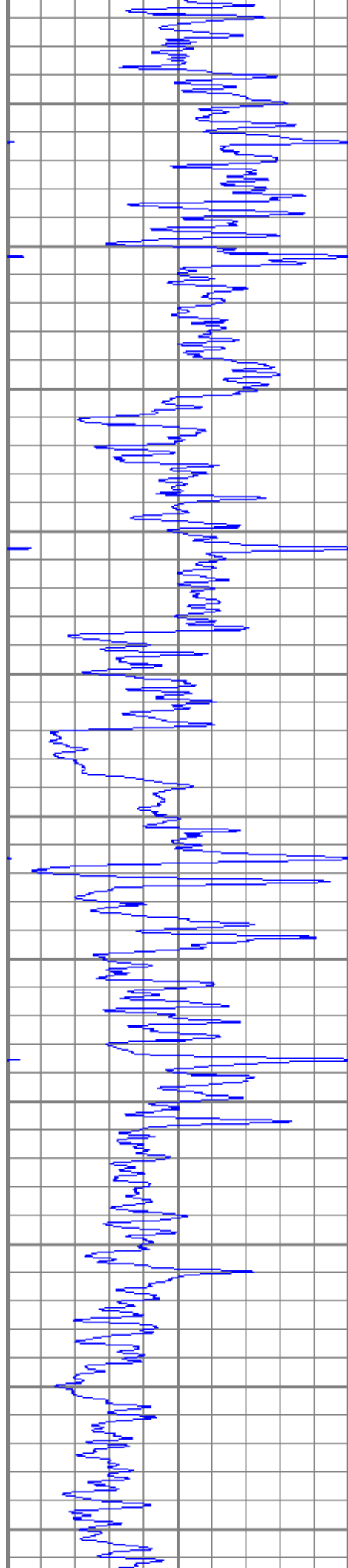
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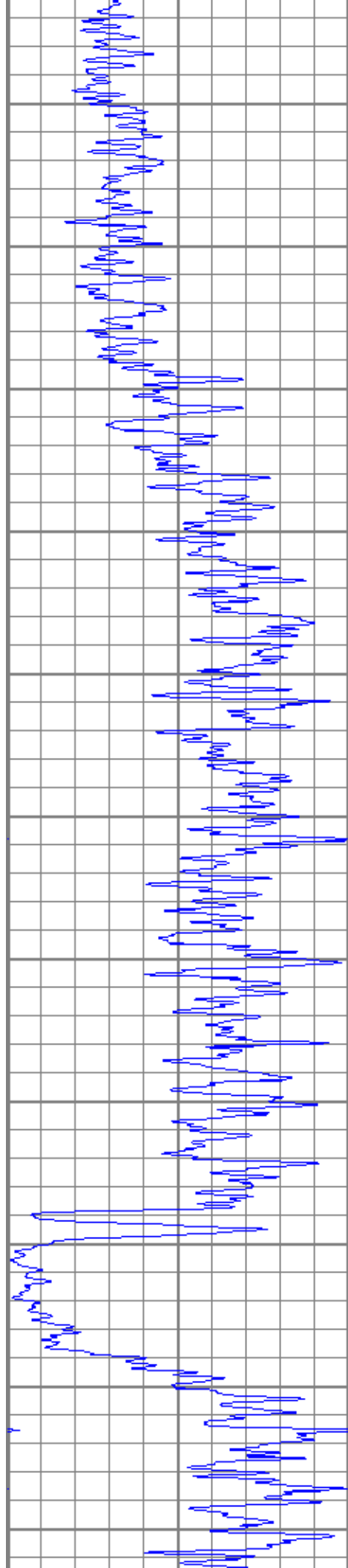
550

600

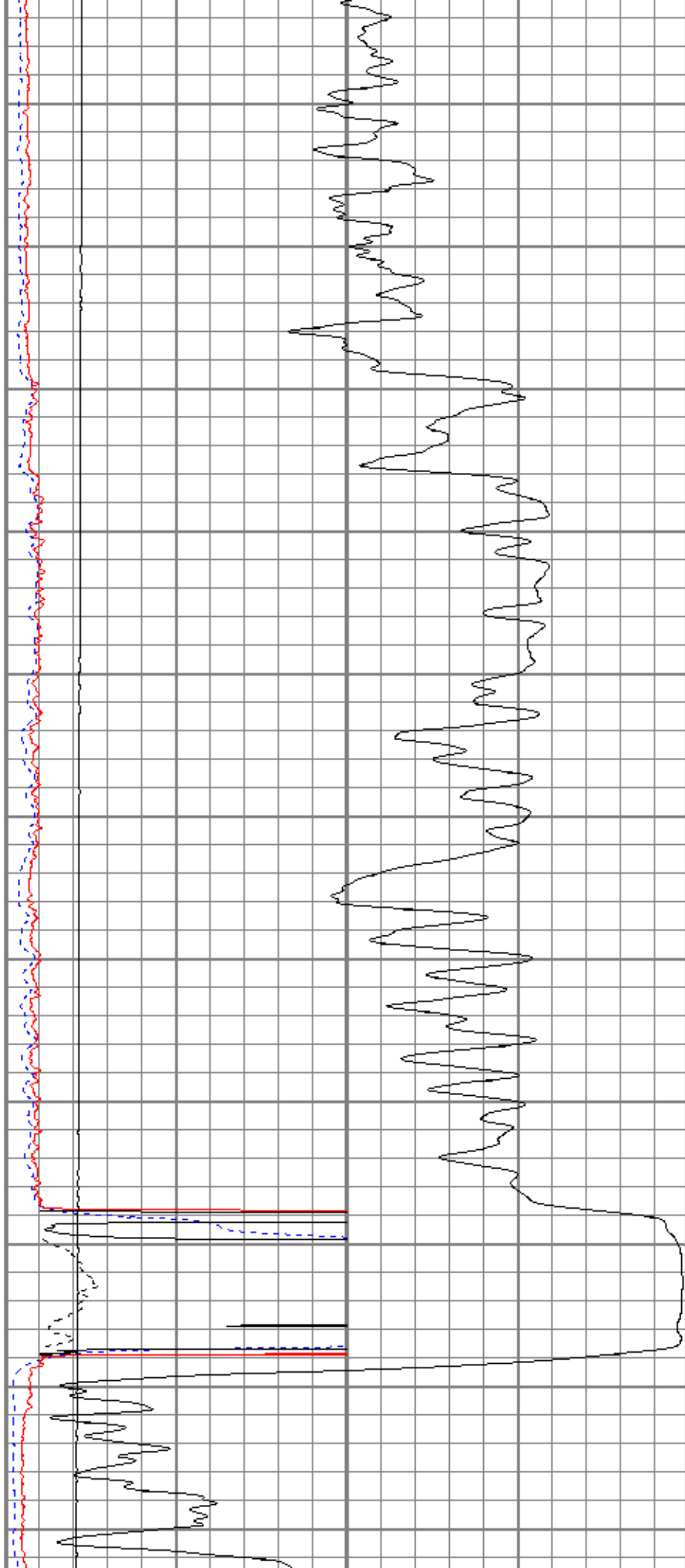
650

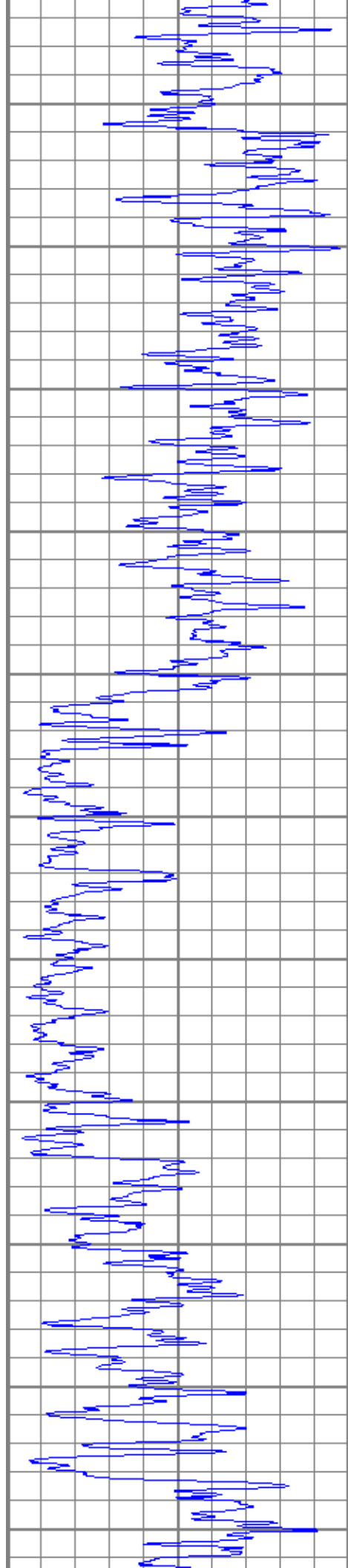






1250
1300
1350
1400
1450
1500
1550
1600
1650
1700
1750





1800

1850

1900

1950

2000

2050

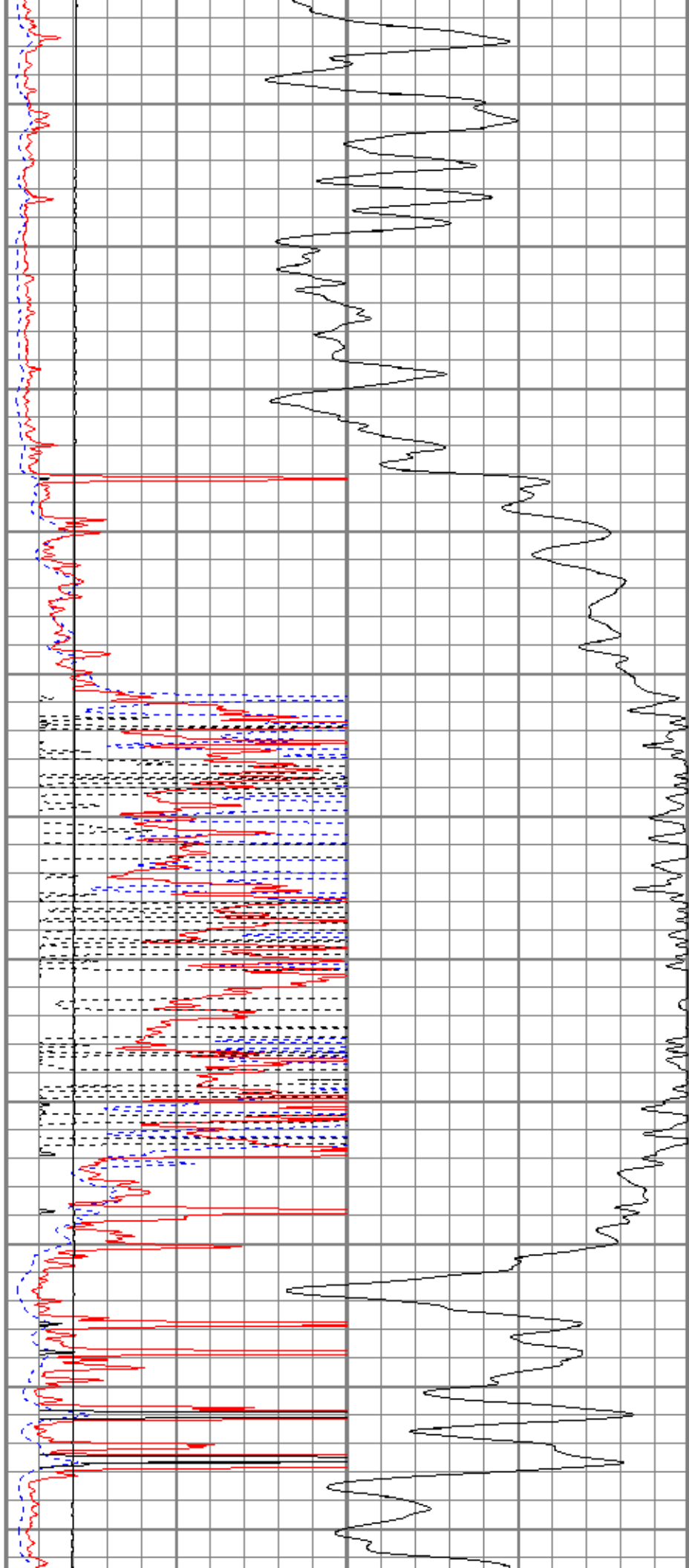
2100

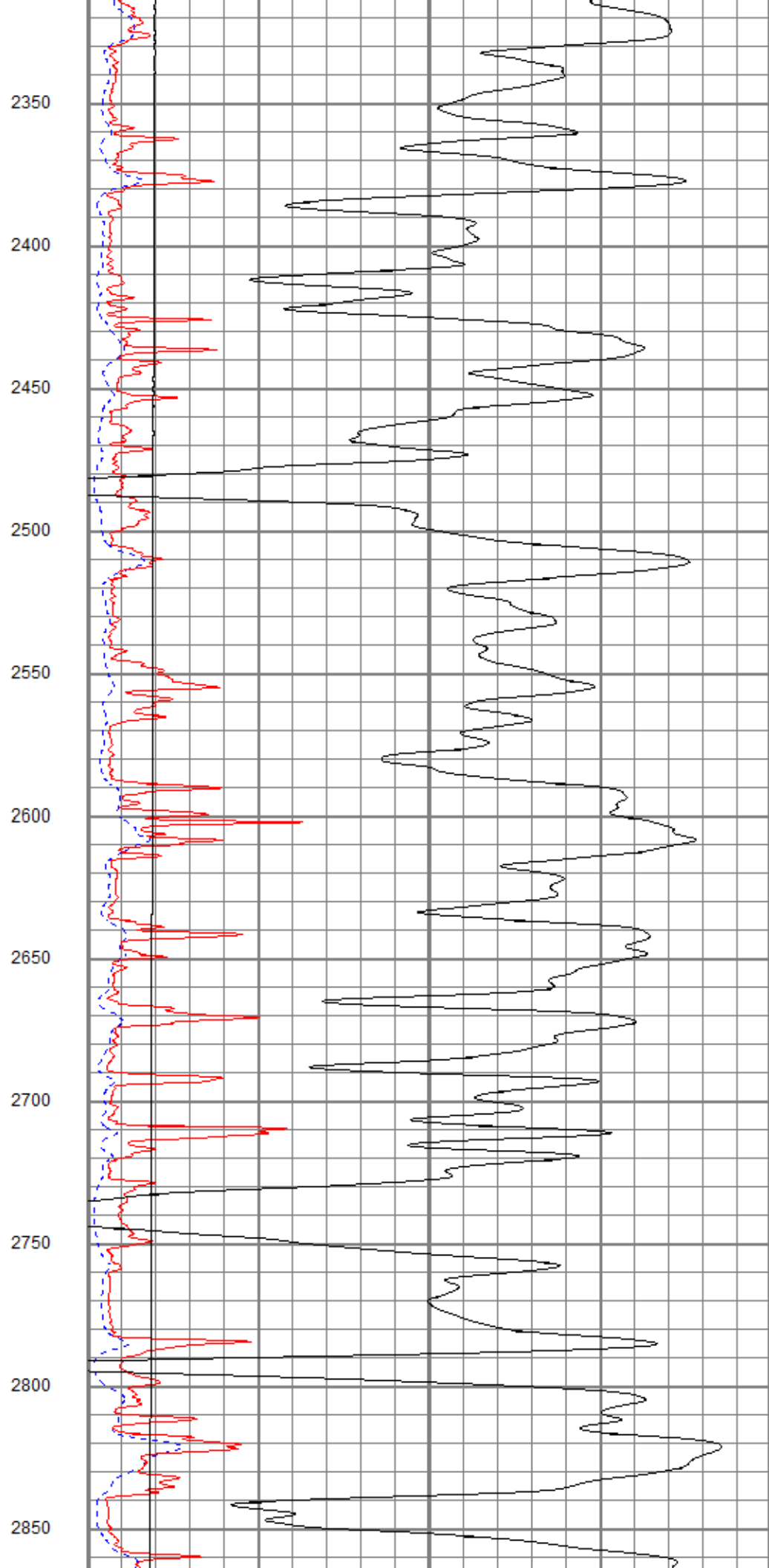
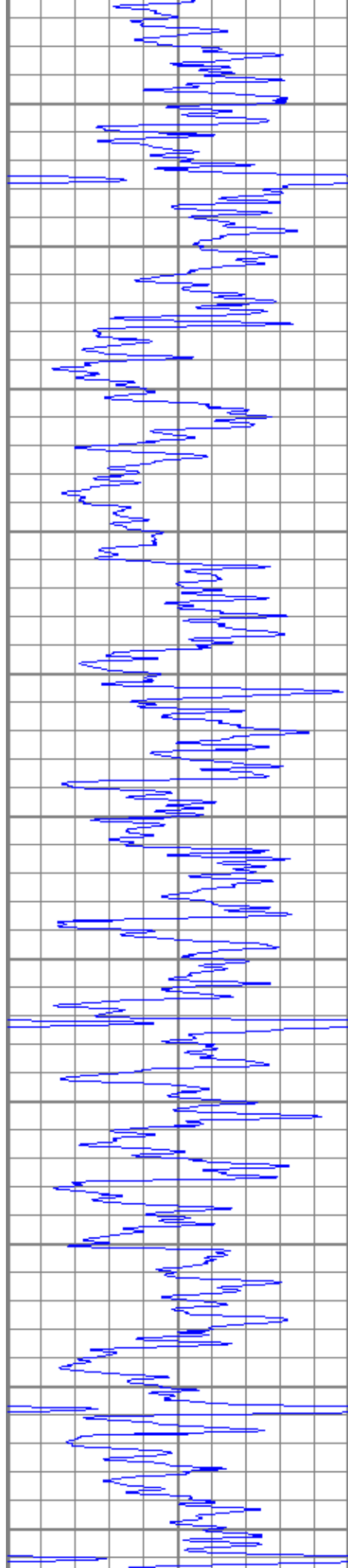
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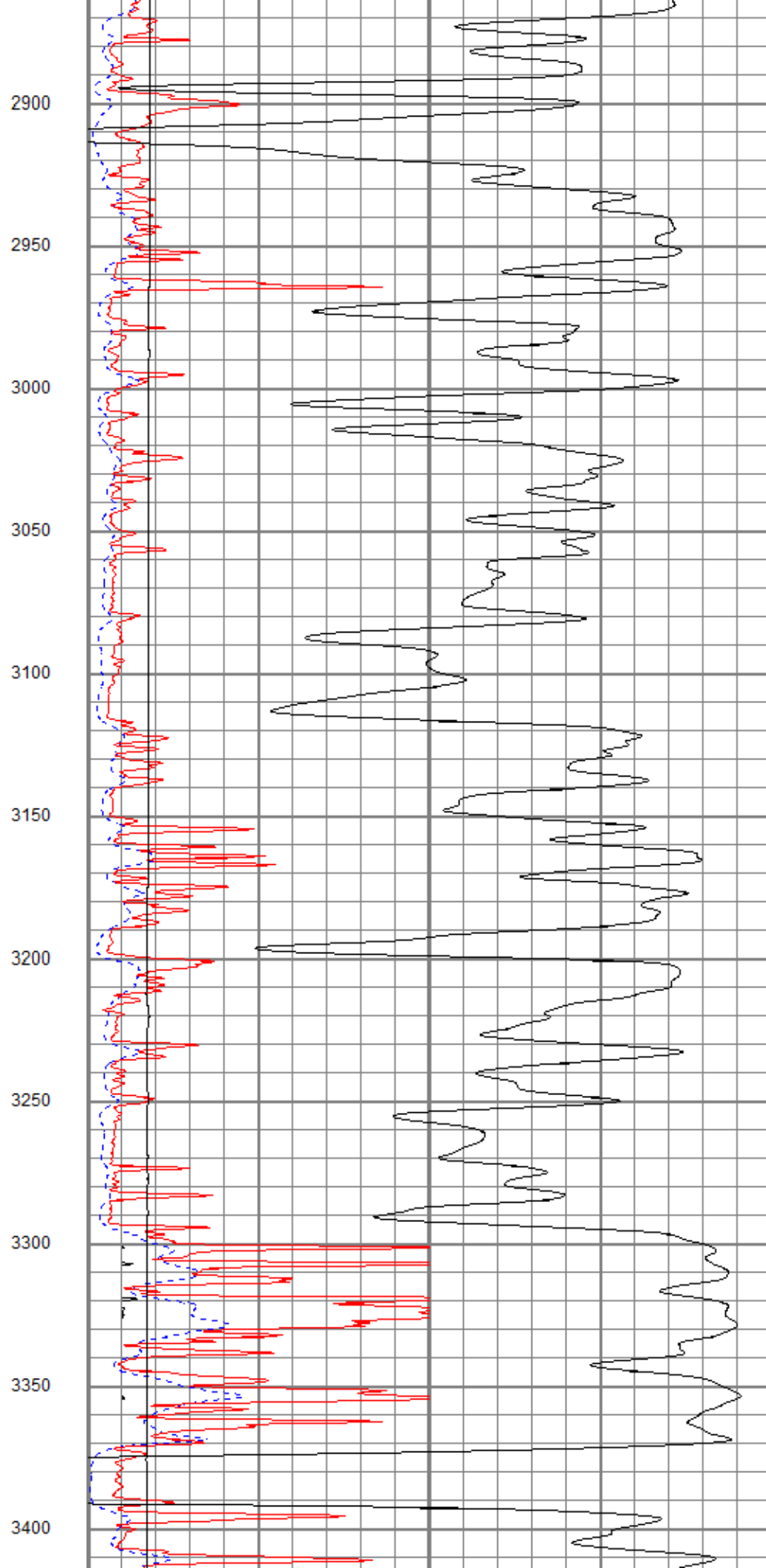
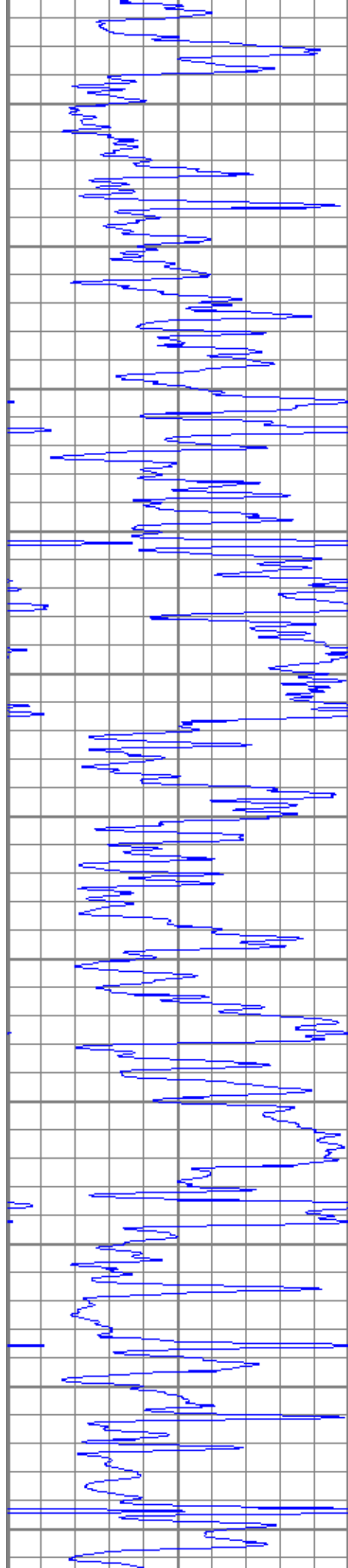
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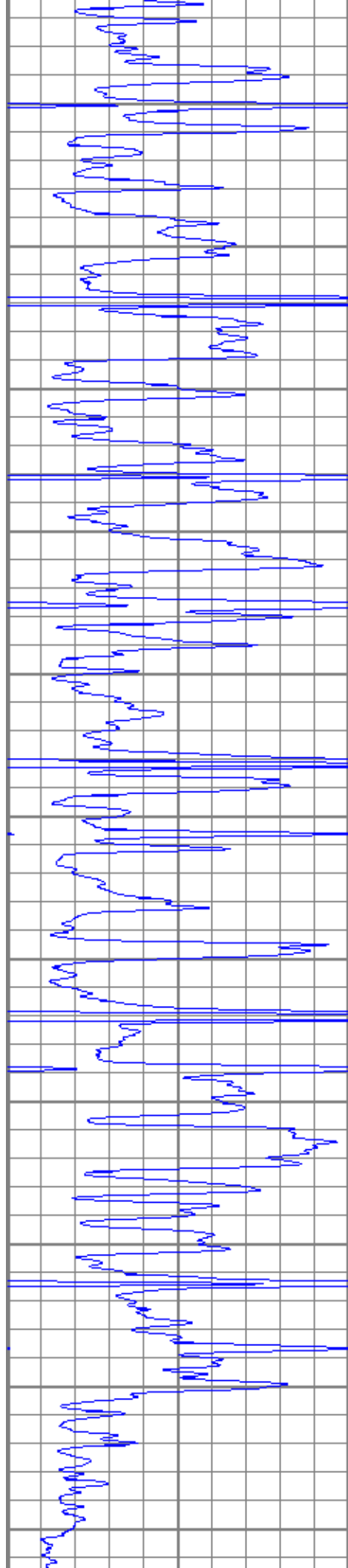
2250

2300









3450

3500

3550

3600

3650

3700

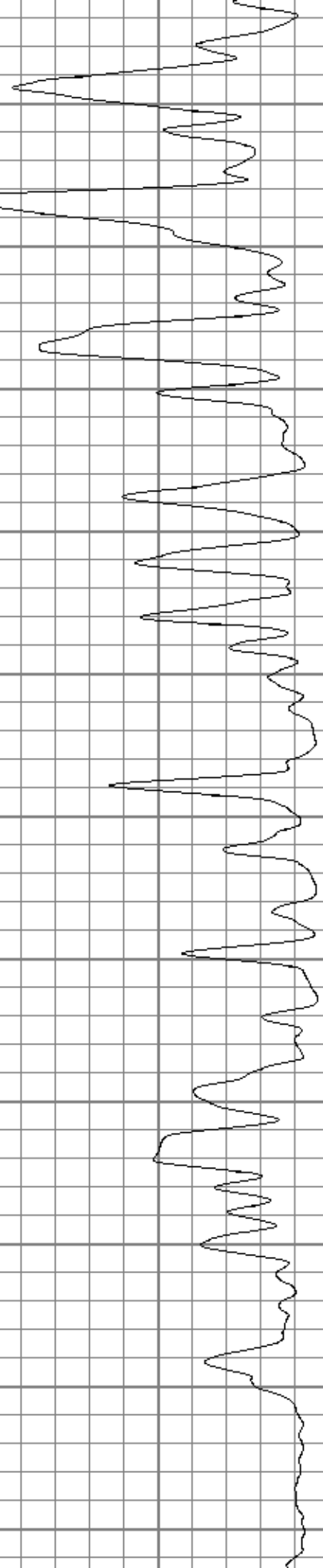
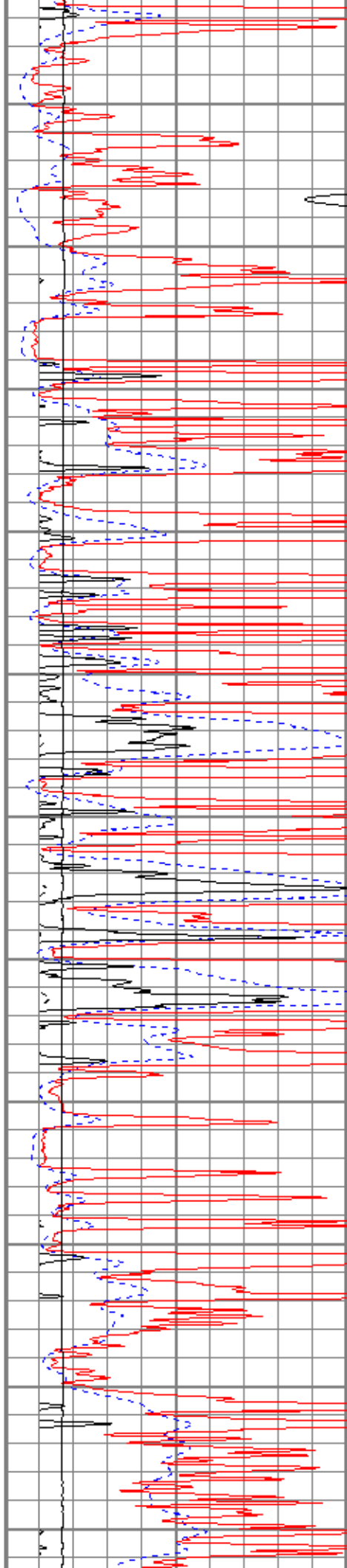
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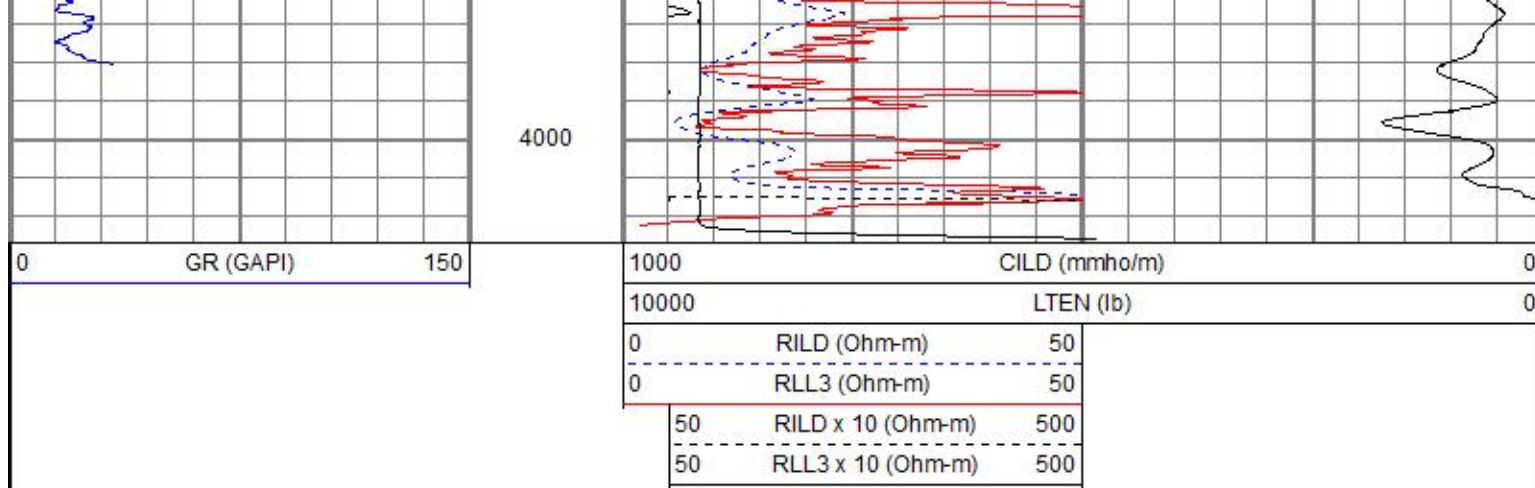
3800

3850

3900

3950

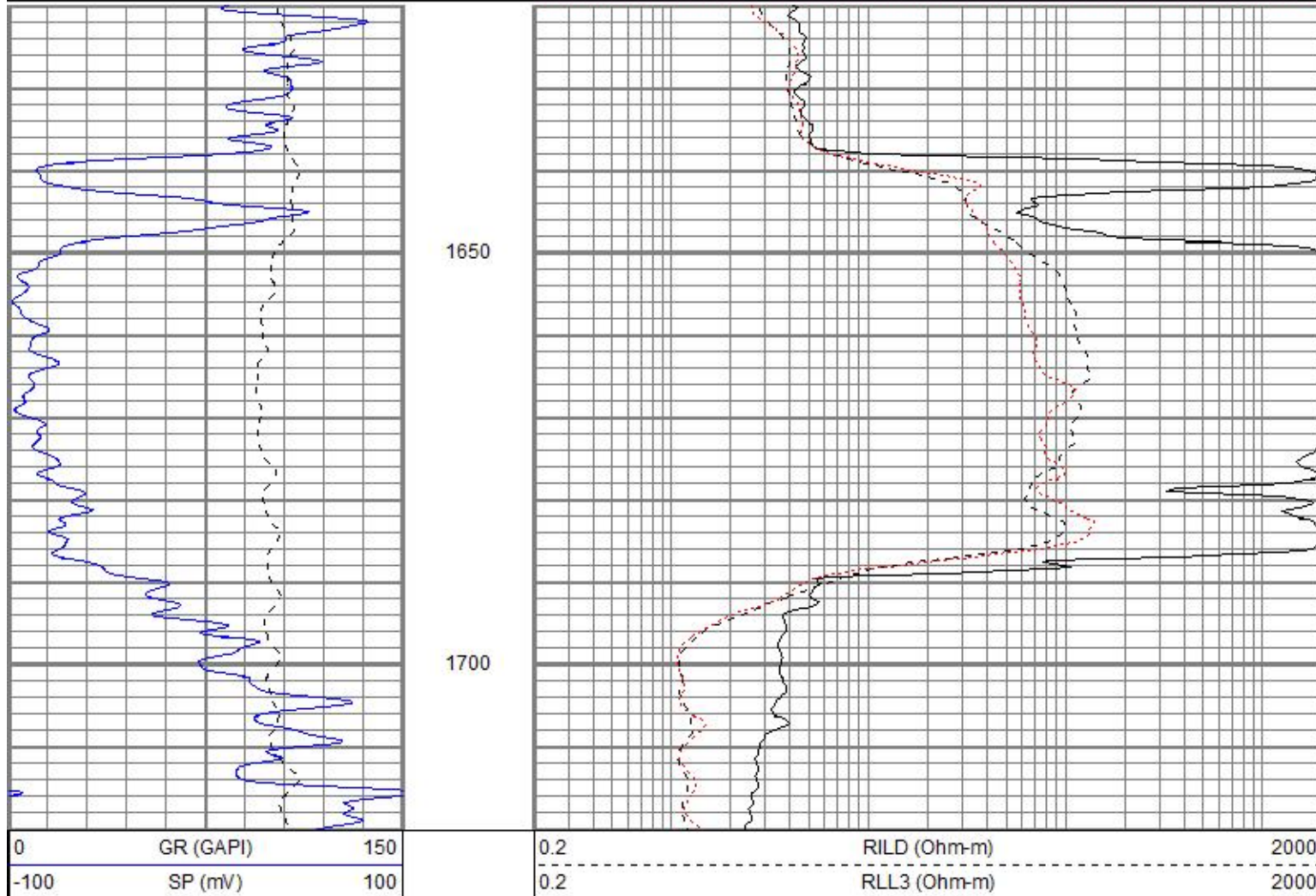




MAIN PASS

Database File aobaugher#4oh.db
 Dataset Pathname pass2
 Presentation Format kdil
 Dataset Creation Mon Oct 08 00:30:22 2018
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150	0.2	RILD (Ohm-m)	2000
-100	SP (mV)	100	0.2	RLL3 (Ohm-m)	2000
			0.2	RILM (Ohm-m)	2000



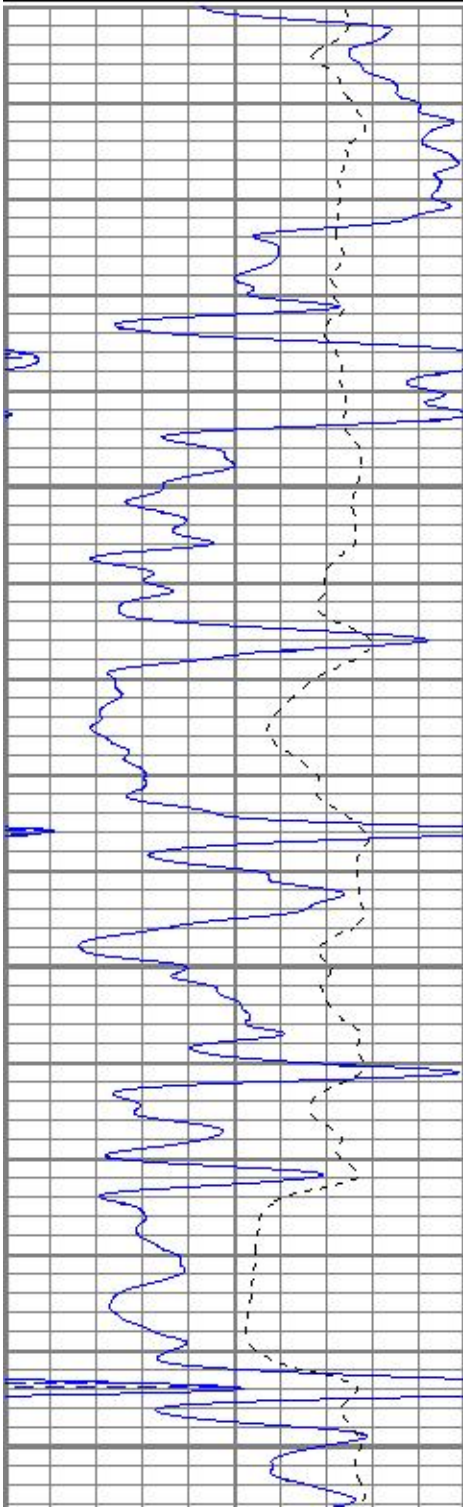


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Database File aobaugher#4oh.db
Dataset Pathname pass2
Presentation Format kdil
Dataset Creation Mon Oct 08 00:30:22 2018
Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150
-100	SP (mV)	100

0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

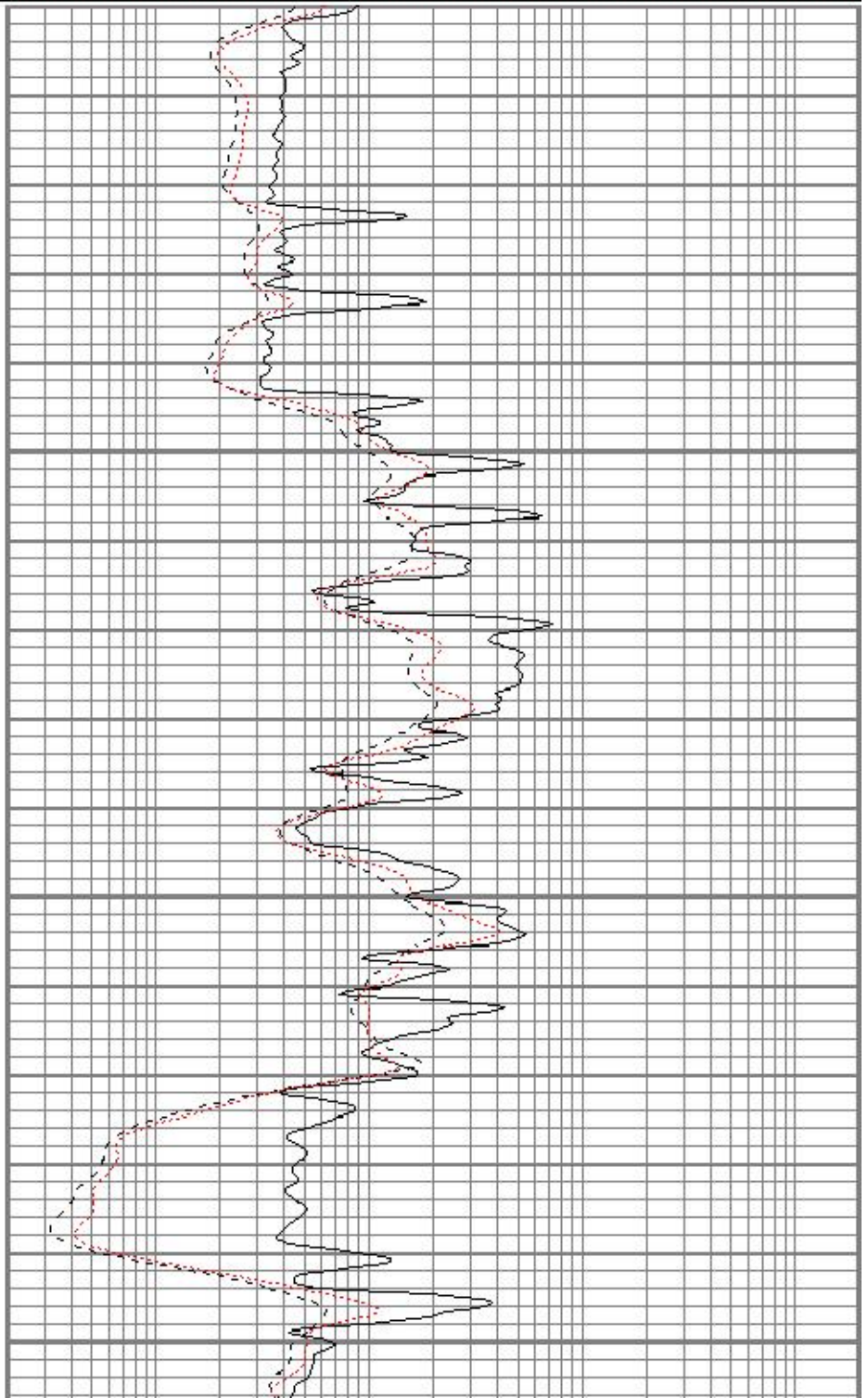


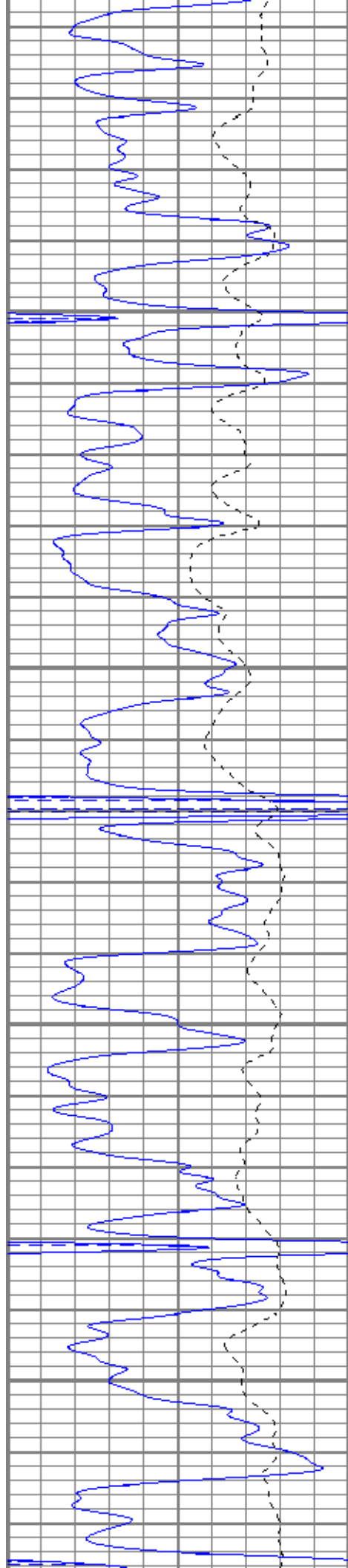
3200

3300

3350

3400



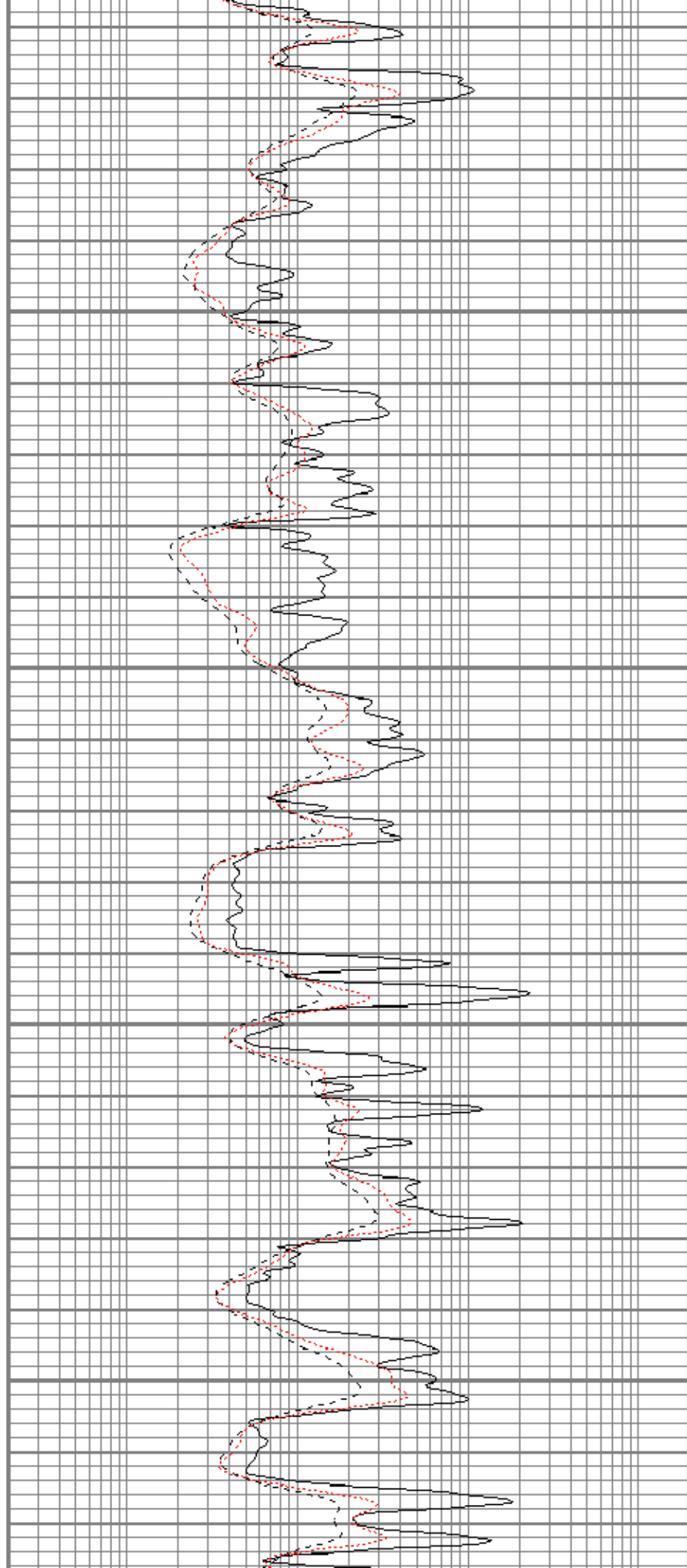


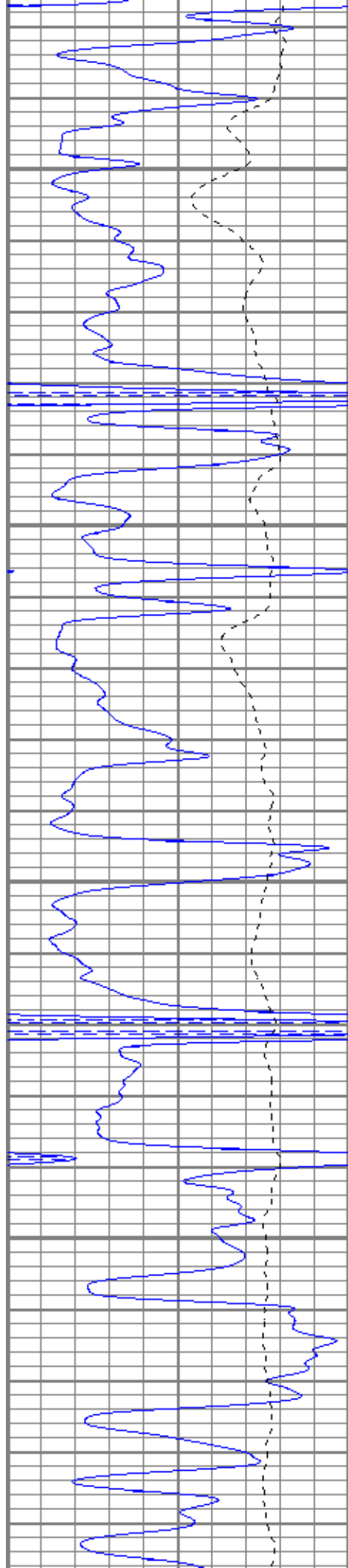
3450

3500

3550

3600



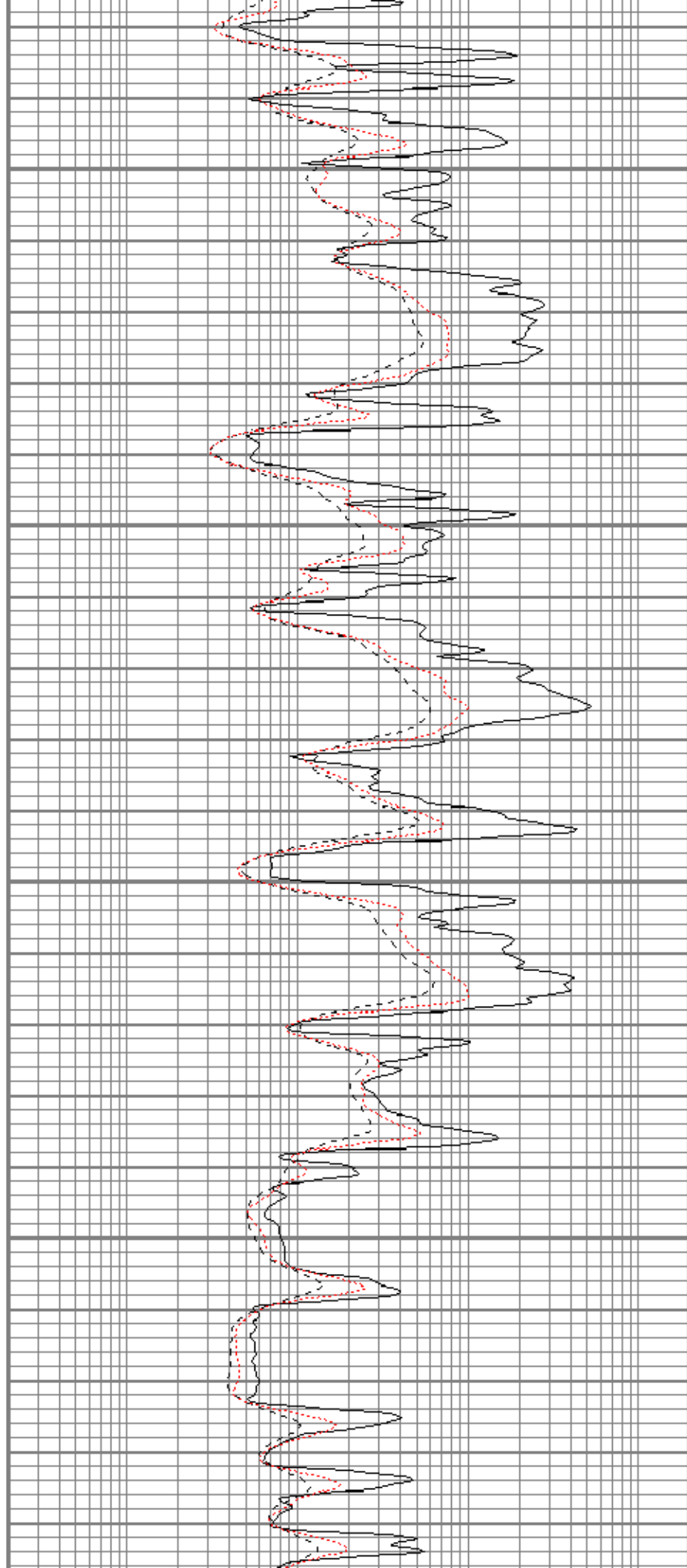


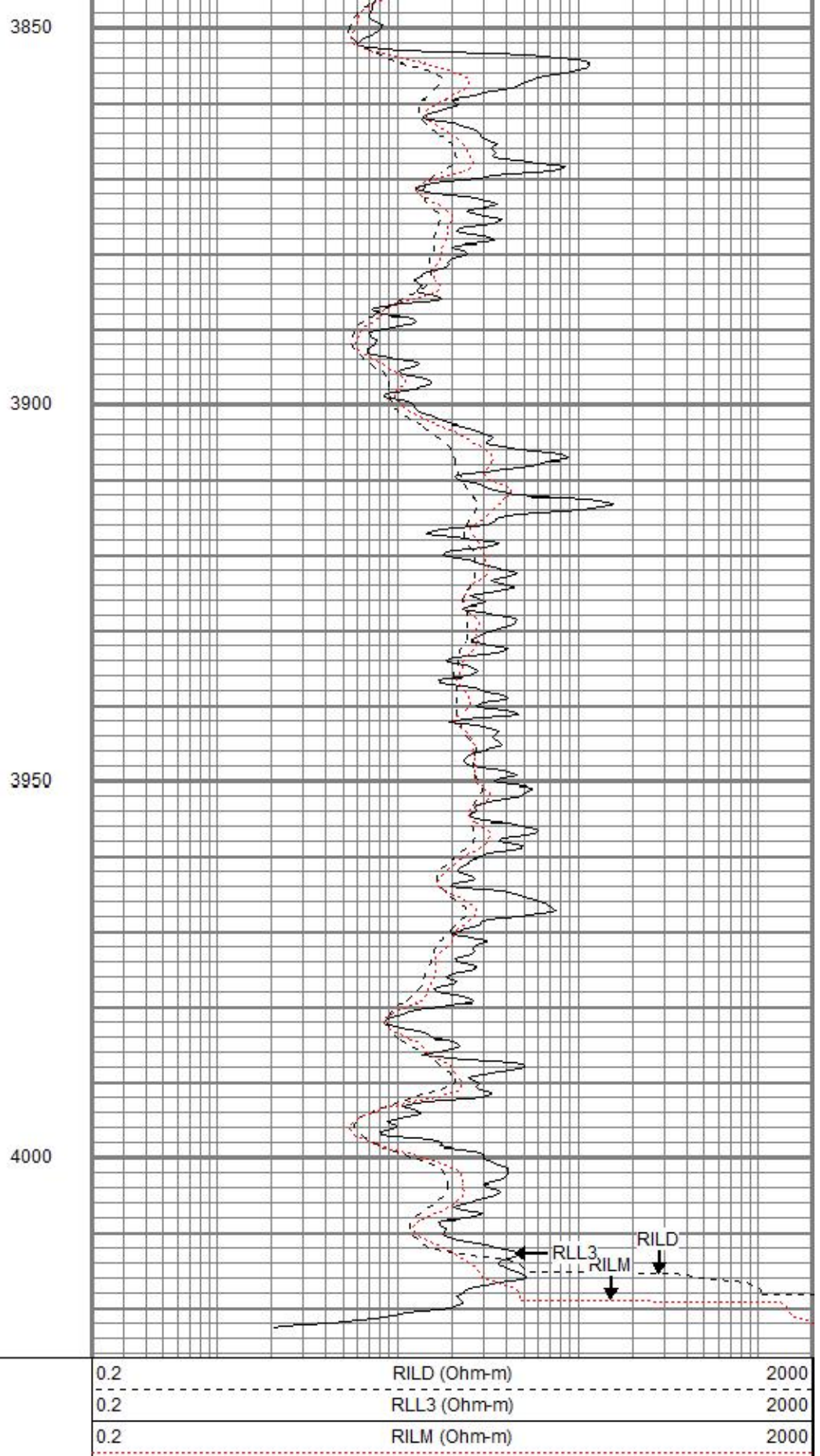
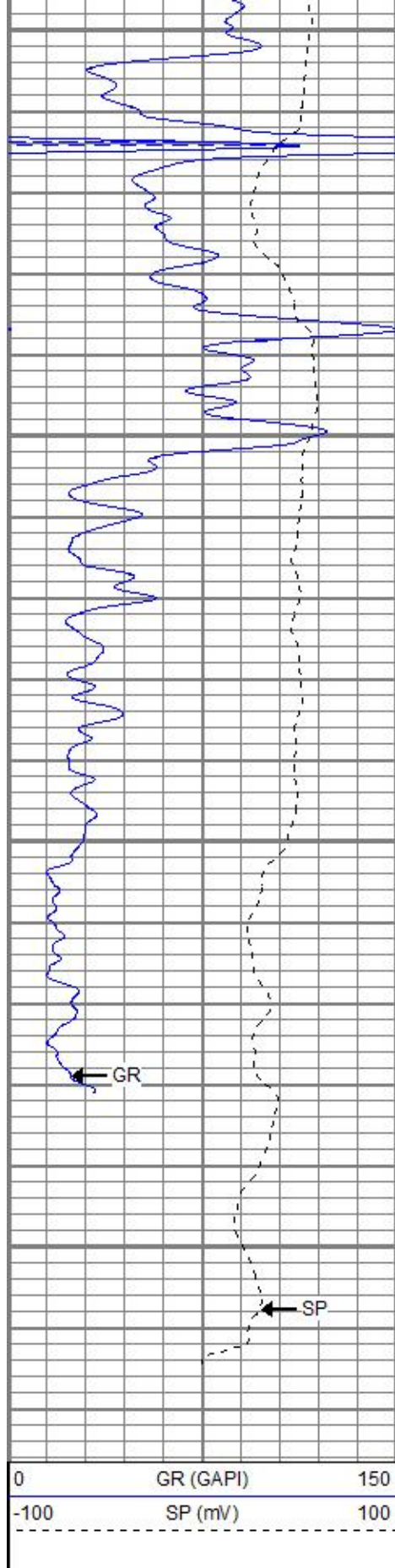
3650

3700

3750

3800



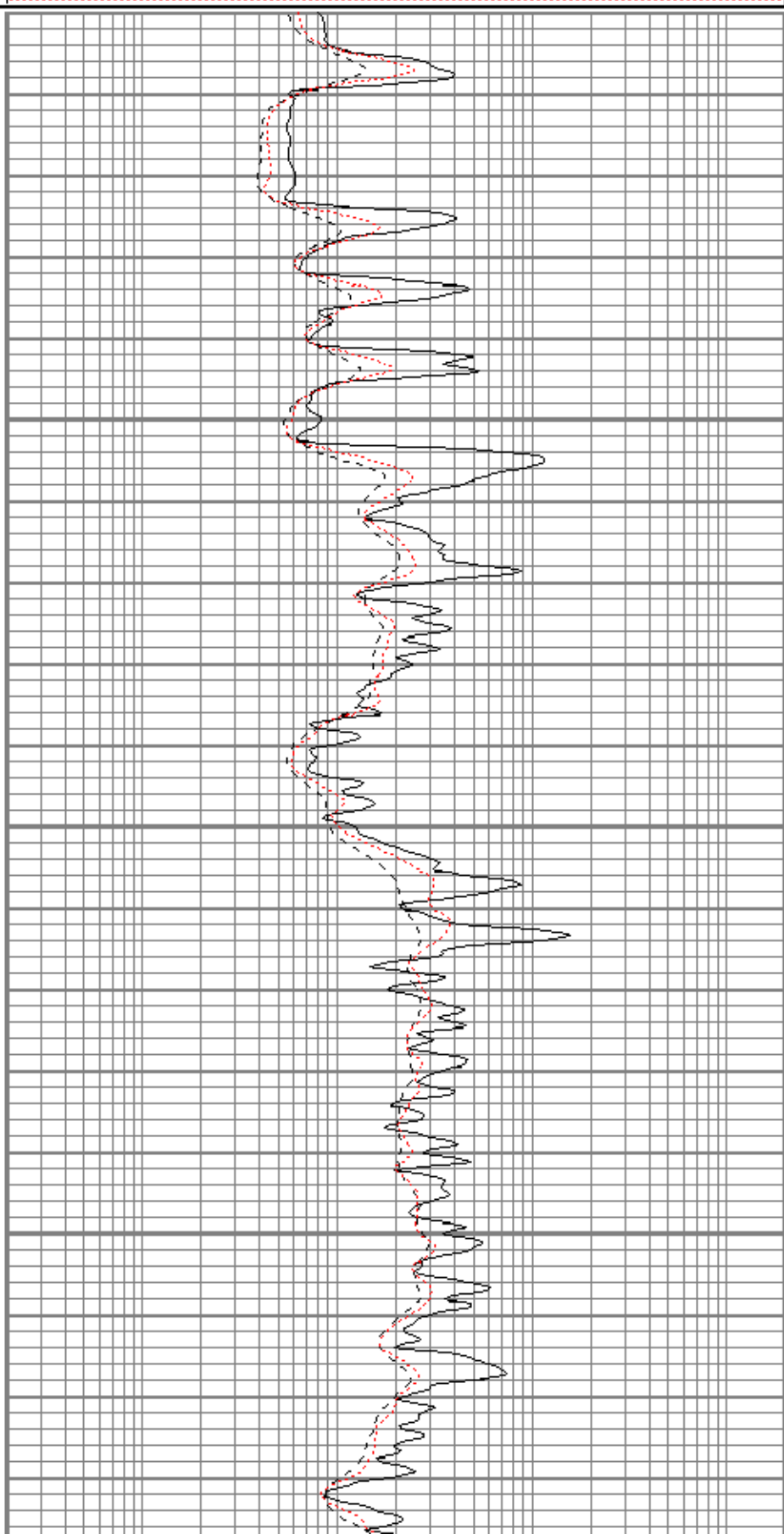
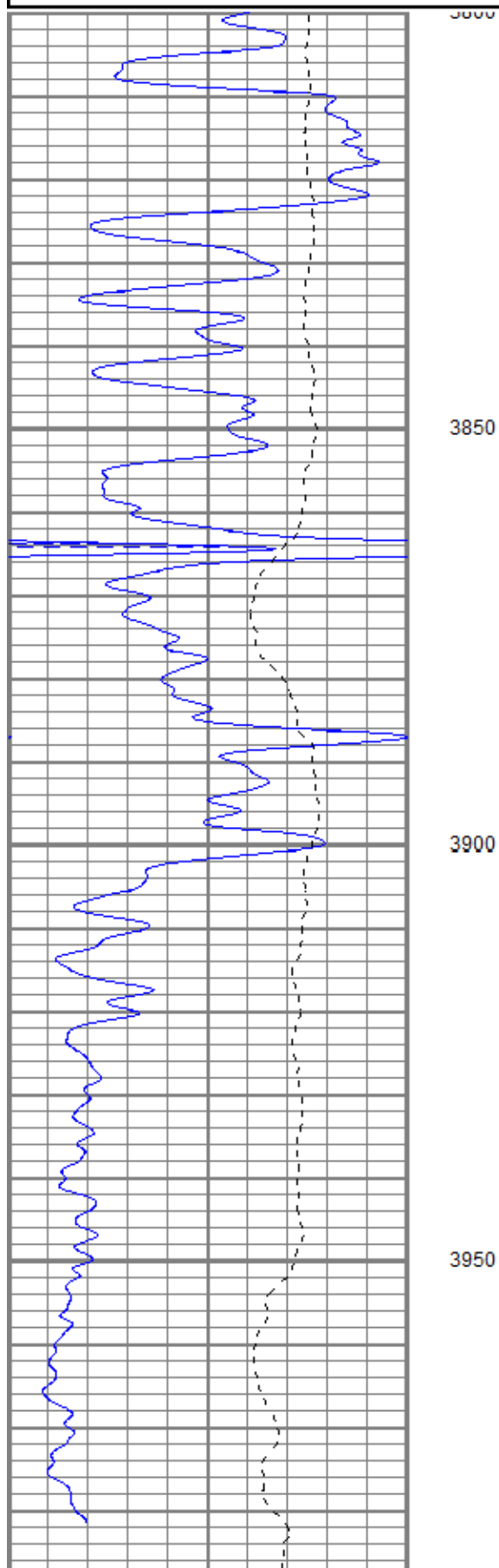


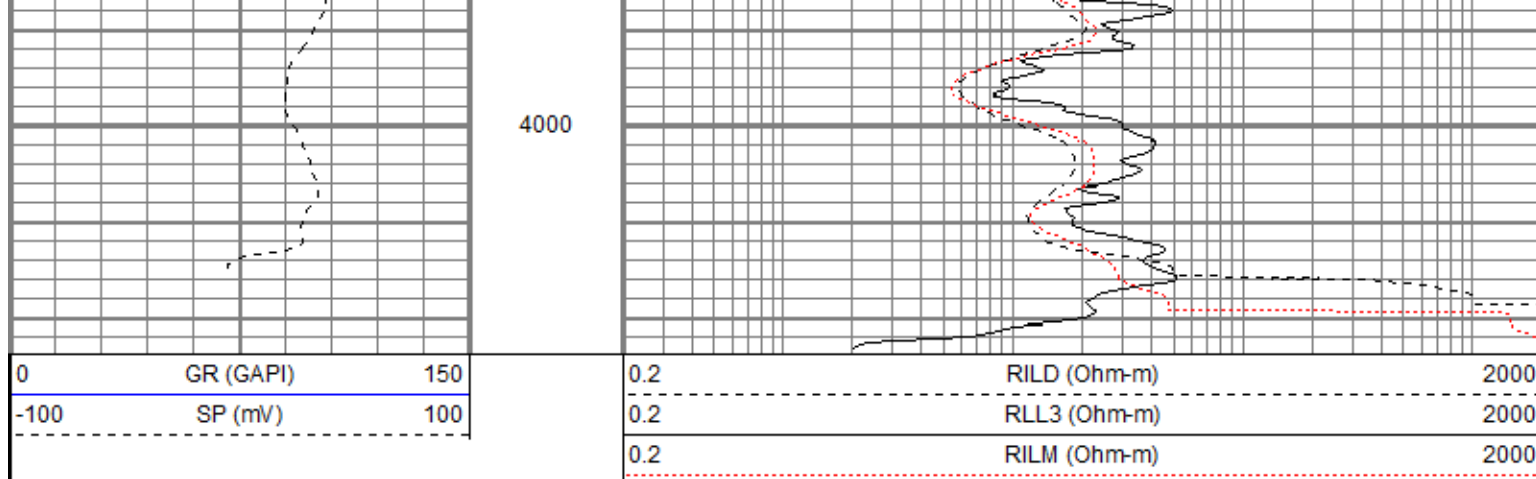
REPEAT SECTION

Database File	aobaugher#4oh.db
Dataset Pathname	pass1.1
Presentation Format	kdil
Dataset Creation	Mon Oct 08 01:16:07 2018
Charted by	Depth in Feet scaled 1:240

0	GR (GAPI)	150
-100	SP (mV)	100

0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000





Calibration Report								
Database File	aobaugher#4oh.db							
Dataset Pathname	pass3							
Dataset Creation	Mon Oct 08 01:26:30 2018							
Dual Induction Calibration Report								
Serial-Model:			5375-G					
Surface Cal Performed:			Sat Oct 10 08:33:18 2015					
Downhole Cal Performed:			Sat Oct 10 08:33:23 2015					
After Survey Verification Performed:			Sat Oct 10 08:33:27 2015					
Surface Calibration								
Readings			References				Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.007	0.642	V	0.000	350.000	mmho/m	551.294	-3.816
Medium	0.010	0.728	V	0.000	400.000	mmho/m	556.531	-5.391
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.007	0.642	V	0.000	350.000	mmho/m	550.717	-3.768
Medium	0.010	0.729	V	0.000	550.000	mmho/m	764.510	-7.354
Downhole Calibration								
Readings			References				Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.145	350.239	mmho/m	-0.044	350.323	mmho/m	1.001	-0.189
Medium	0.435	400.472	mmho/m	-0.037	400.340	mmho/m	1.001	-0.473
Shallow	2.440	0.018	V	500.000	2.000	Ohm-m	185.000	2.024
After Survey Verification								
Readings			Targets				Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.145	350.239	mmho/m	1.001	-0.189
Medium	0.000	0.000	mmho/m	0.435	400.472	mmho/m	1.001	-0.473
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

Neutron Calibration Report								
Serial Number:			2017					
Tool Model:			lithogearhart					
Performed:			(Not Performed)					
Calibrator Value:			1					
			NAPI					

Calibrator Reading:	1	cps
Sensitivity:	1	NAPI/cps

Temperature Calibration Report					
Serial Number:	WithOutMC				
Tool Model:	WOMC				
Performed:	(Not Performed)				
	Reference		Reading		
Low Reference:	0.00	degF	0.00	degF	
High Reference:	1.00	degF	1.00	degF	
Gain:	1.00				
Offset:	0.00				
Delta Spacing	1				

Inclinometer Calibration Report					
Performed:	Wed Oct 03 19:54:46 2018				
	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	205.00	1843.00	-1.00	1.00	gee
Y Accelerometer	205.00	1843.00	-1.00	1.00	gee
Z Accelerometer					gee

Gamma Ray Calibration Report		
Serial Number:	WithOutMC	
Tool Model:	WOMC	
Performed:	Wed Dec 06 22:30:58 2017	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)	
			CHD-STD	0.50	1.69	1.00	
GR	40.07						
ACCY	38.91			ADT-WOMC (WithOutMC)	4.58	3.50	120.00
ACCX	38.91			Telemetry Without Mud Cell			
SSTAT	38.49						
PSTAT	37.66						
ASTAT	37.66						
GRD	36.82			NEU-lithogearhart (2017)	5.65	3.50	85.00
TEMP	36.82						
NEU	33.46						
LStat	24.30		ADT11 LTH-A (1)	9.29	3.50	240.00	

