



DUAL INDUCTION LOG

Company American Oil LLC.

Well McFarland #2

Field Morel

County Graham

State Kansas

Location:

API #: 15 065 24149

Other Services

SEC 18 TWP 9S RGE 21W

Ground Level Elevation 2272'

Permanent Datum

Log Measured From

Drilling Measured From

KB

KB, 2277'

D.F. 2276'

G.L. 2272'

Date

Run Number

Depth Driller

Depth Logger

Bottom Logged Interval

Top Log Interval

Casing Driller

Casing Logger

Bit Size

Type Fluid in Hole

Density / Viscosity

pH / Fluid Loss

Source of Sample

Rm @ Meas. Temp

Rmf @ Meas. Temp

Rmc @ Meas. Temp

Source of Rmf / Rmc

Rm @ BHT

Time Circulation Stopped

Time Logger on Bottom

Maximum Recorded Temperature

Equipment Number

Location

Recorded By

Witnessed By

Comments

North of Ellis on Ellis Black Top 22 mi. (Ellis Ave.) to X Rd, Then Weston X Rd. 7 Mi. to 350th Rd. Then North on 350th 3 mi. to K Rd., West on K Rd. 20 feet South into Location.

Thanks for using Gemini Wireline LLC
785-625-1182



MAIN PASS

Database File aomcfarland2oh.db
Dataset Pathname pass2.1
Presentation Format kdi11nn
Dataset Creation Sun May 06 09:24:53 2018
Charted by Depth in Feet scaled 1:600

0 GR (GAPI) 150

1000 CILD (mmho/m) 0

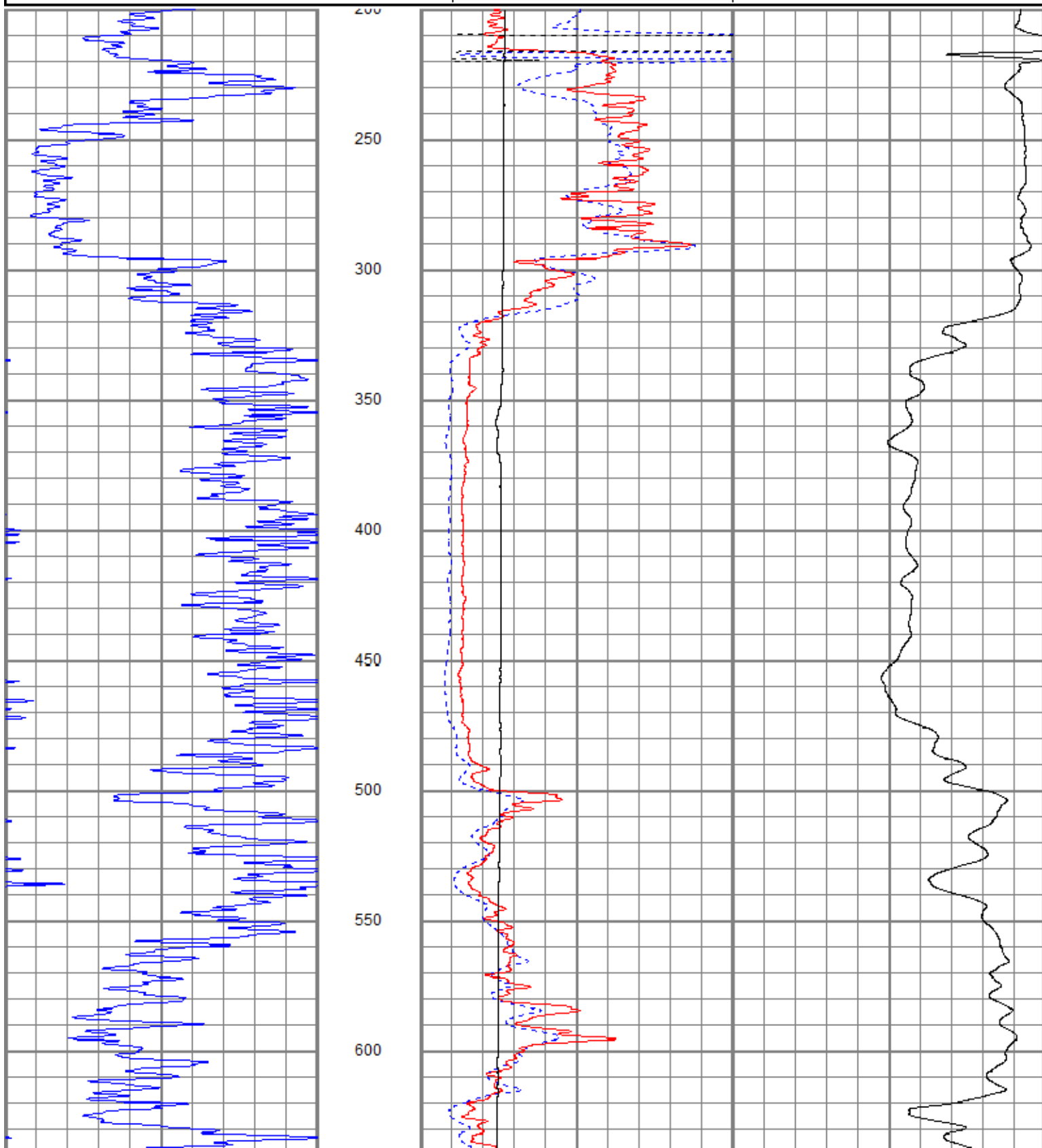
10000 LTEN (lb) 0

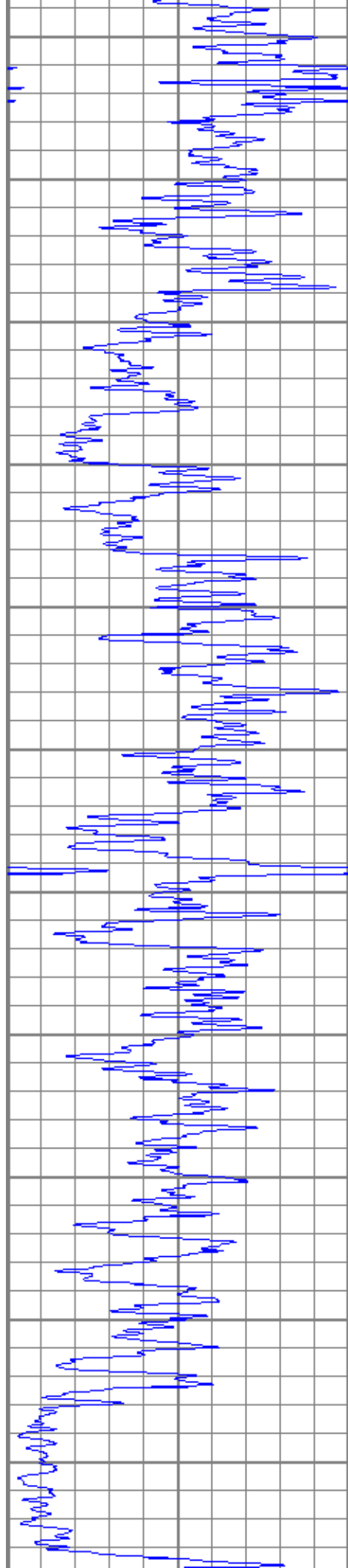
0 RILD (Ohm-m) 50

0 RLL3 (Ohm-m) 50

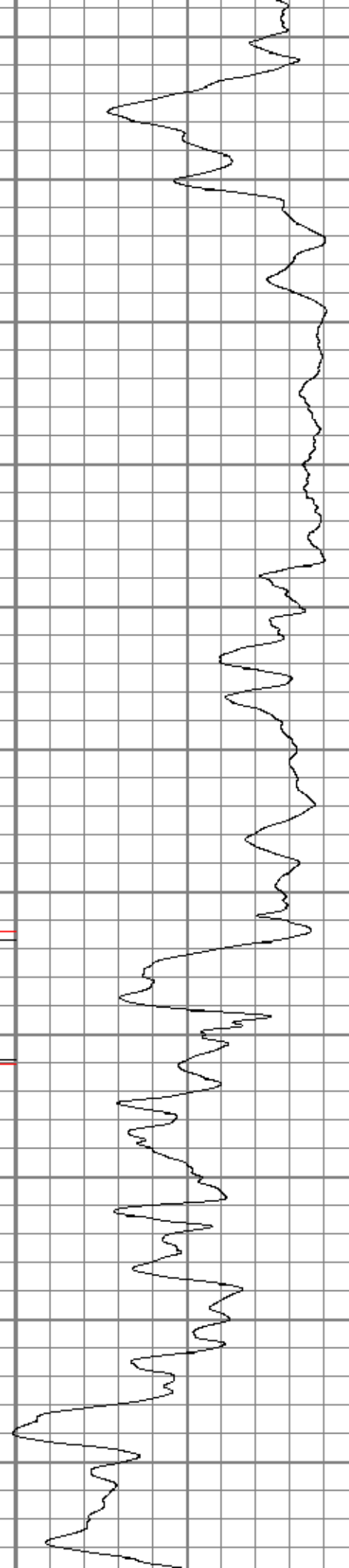
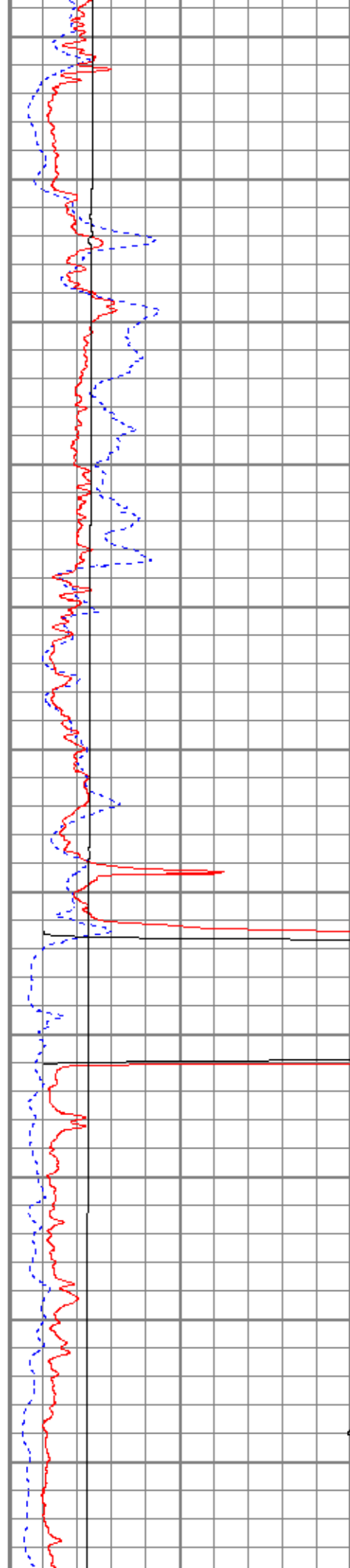
50 RILD x 10 (Ohm-m) 500

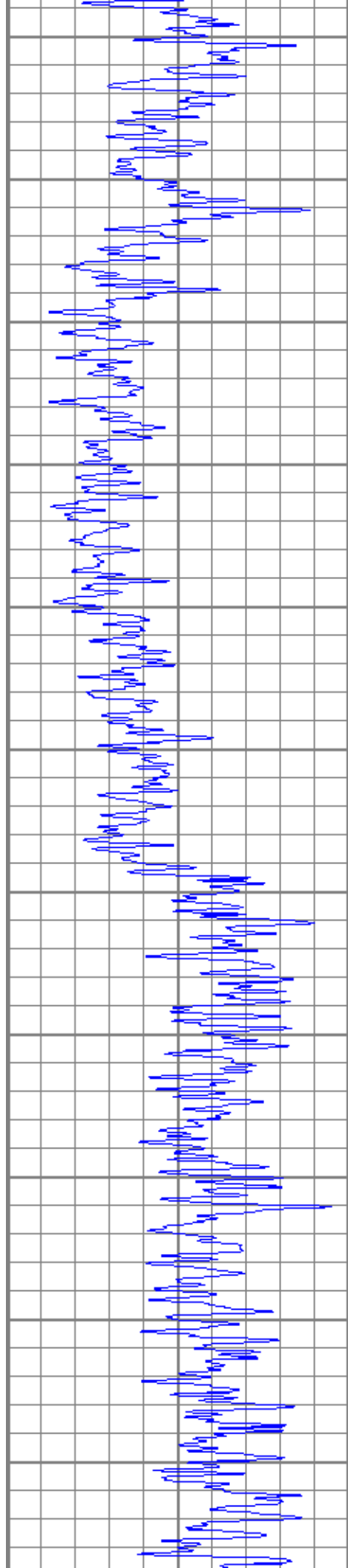
50 RLL3 x 10 (Ohm-m) 500



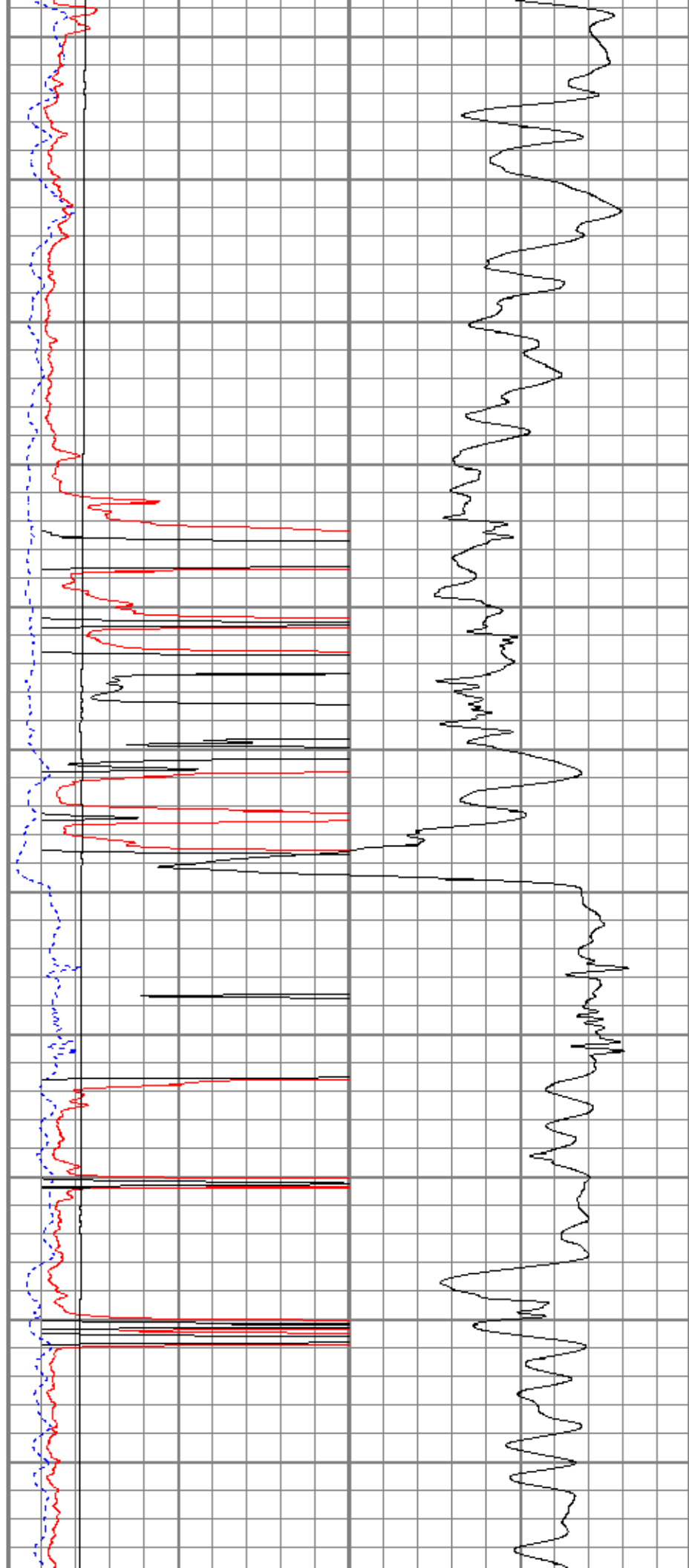


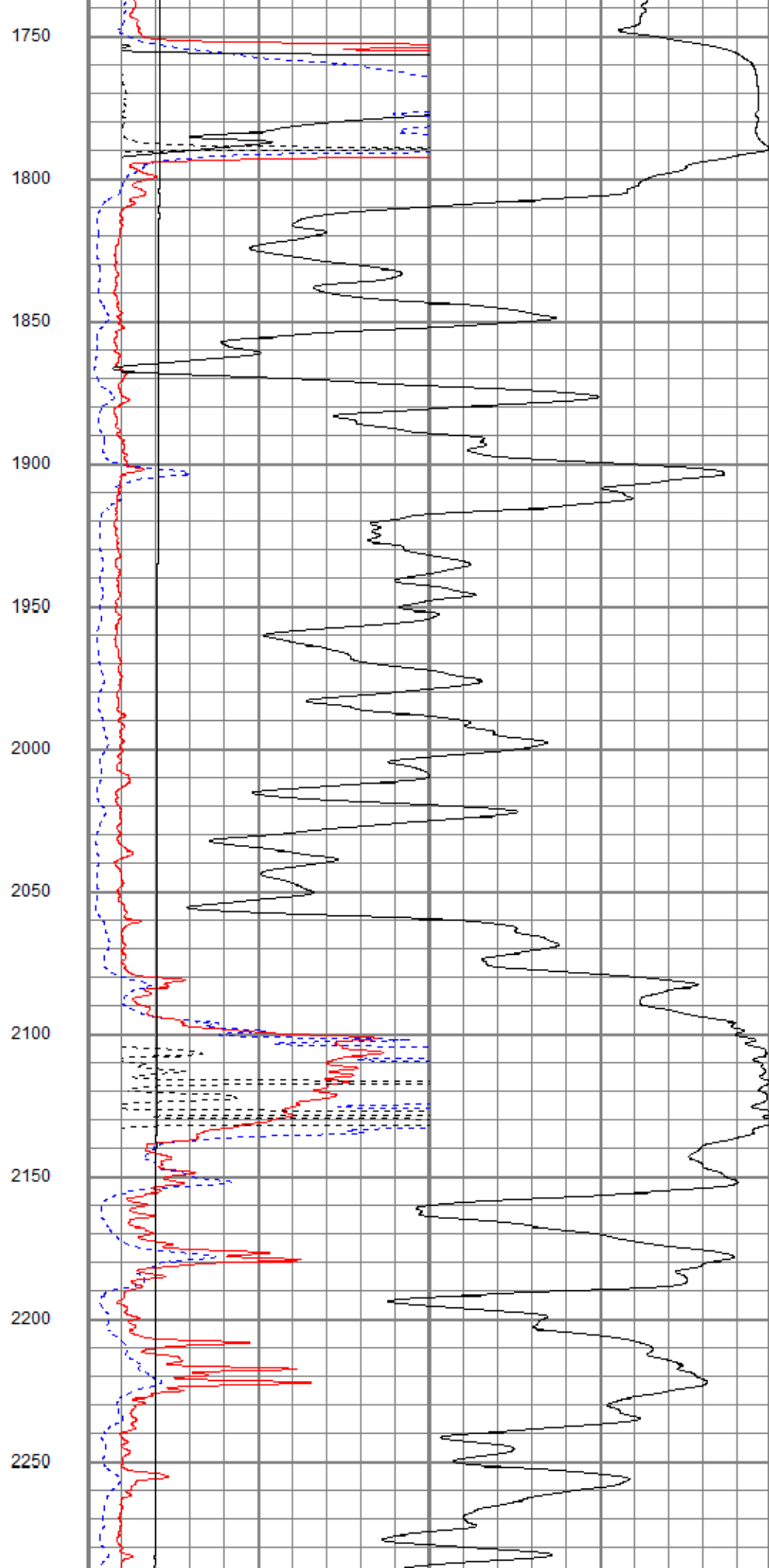
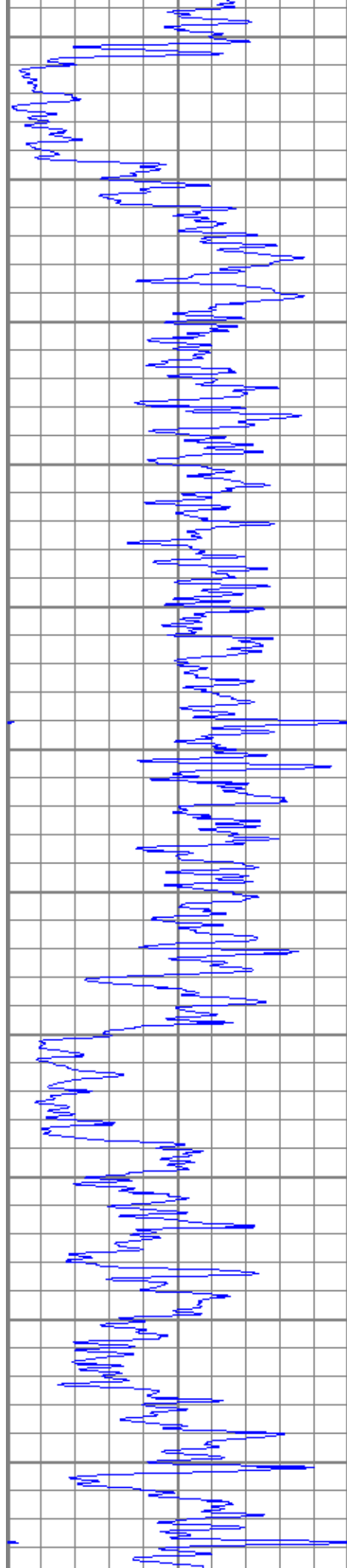
650
700
750
800
850
900
950
1000
1050
1100
1150

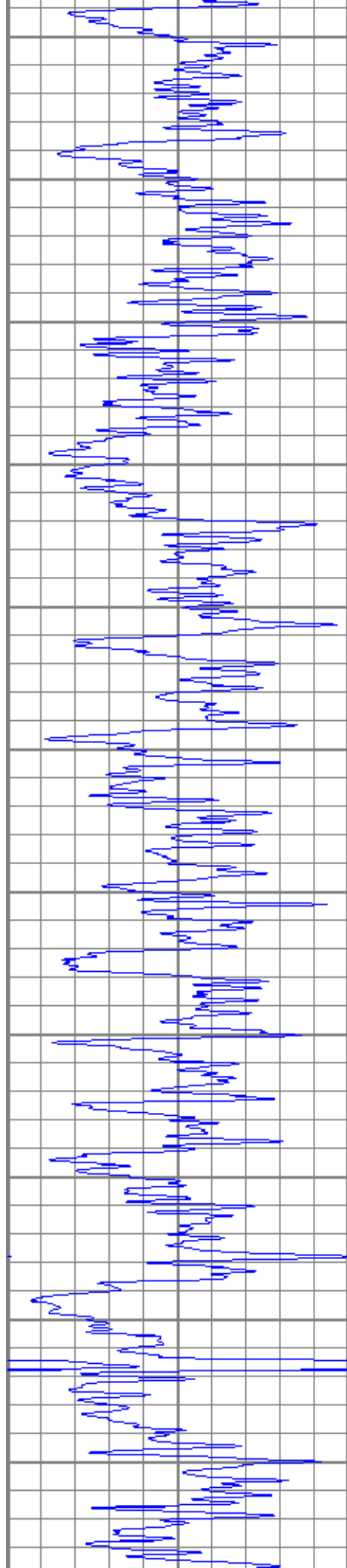




1200
1250
1300
1350
1400
1450
1500
1550
1600
1650
1700







2300

2350

2400

2450

2500

2550

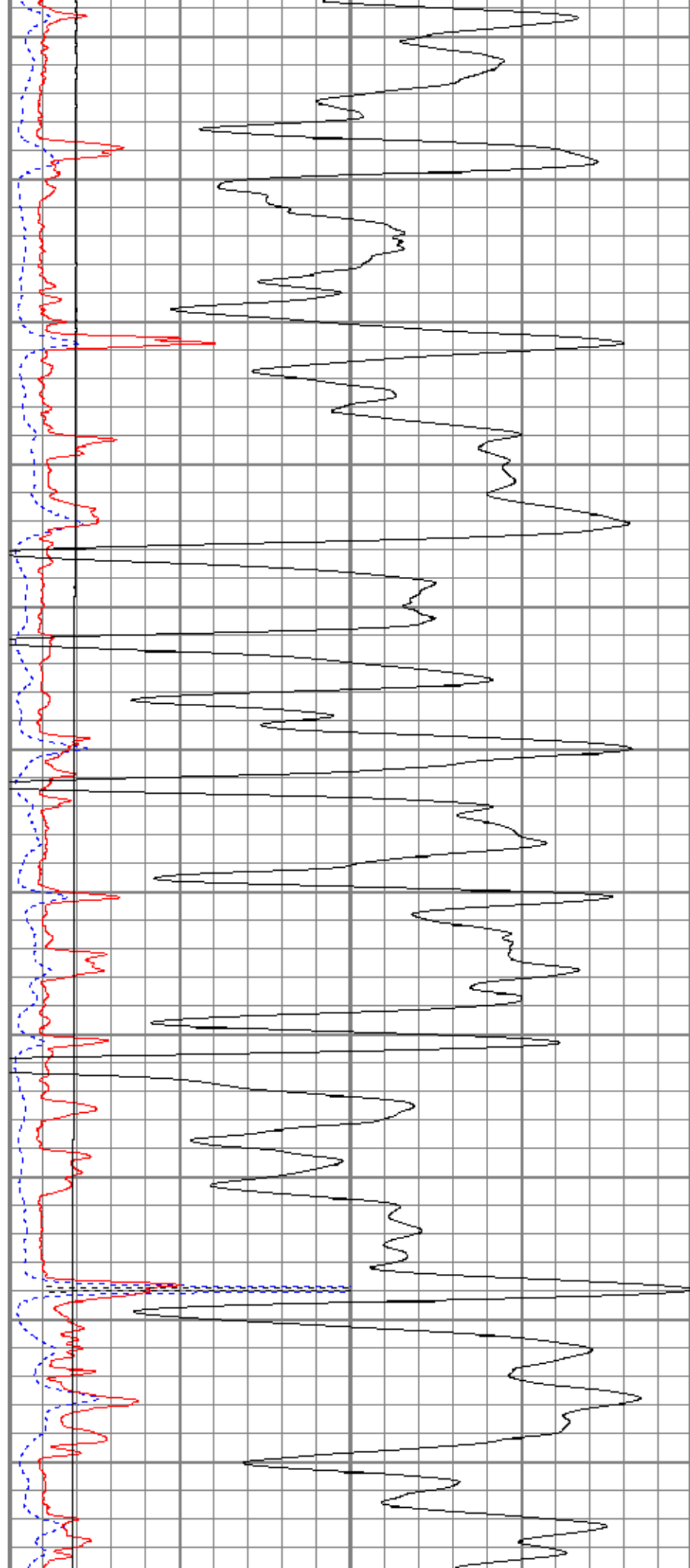
2600

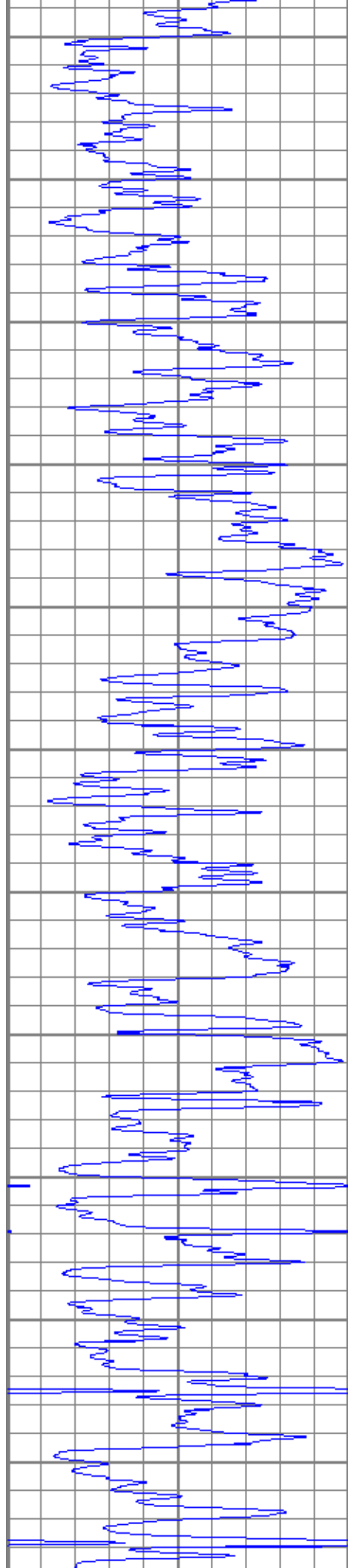
2650

2700

2750

2800





2850

2900

2950

3000

3050

3100

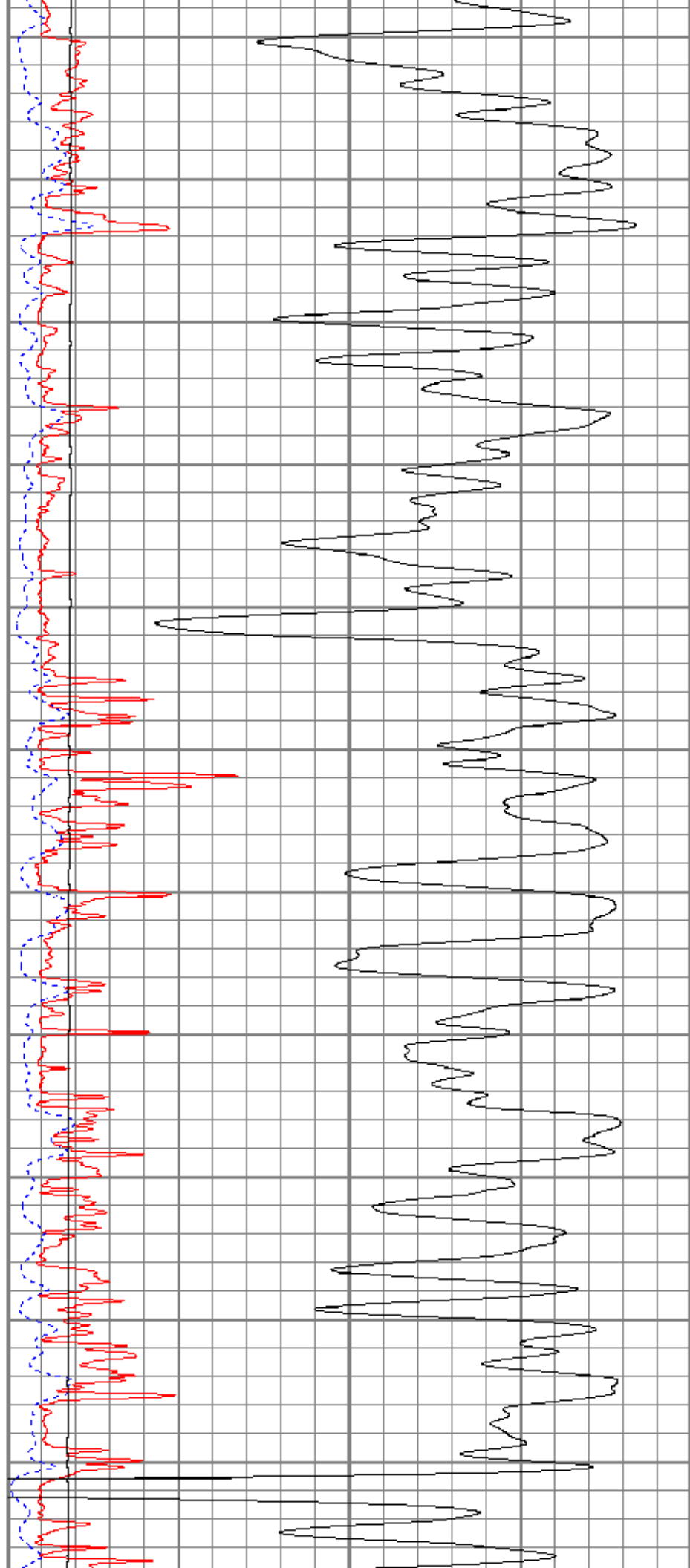
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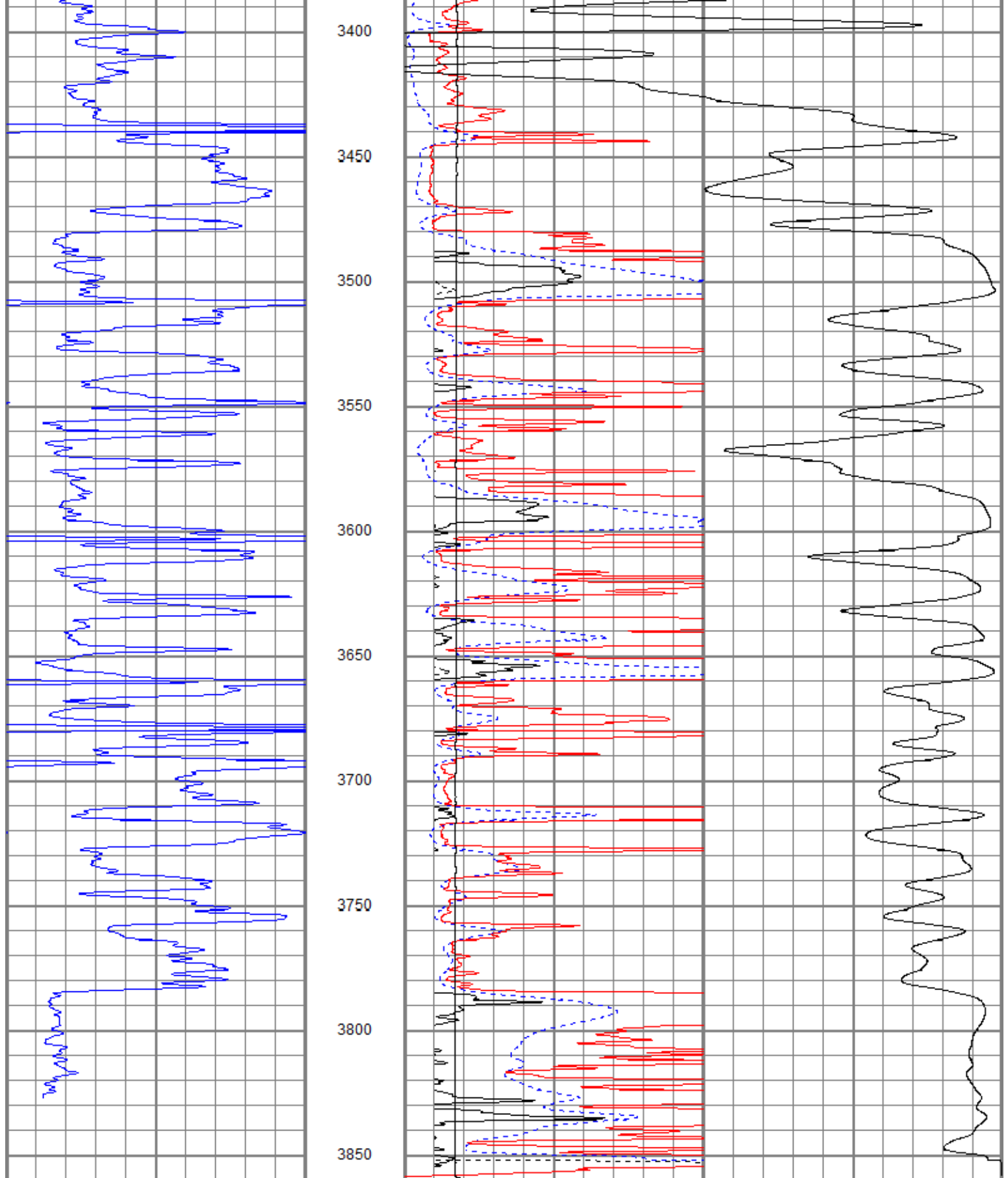
3200

3250

3300

3350





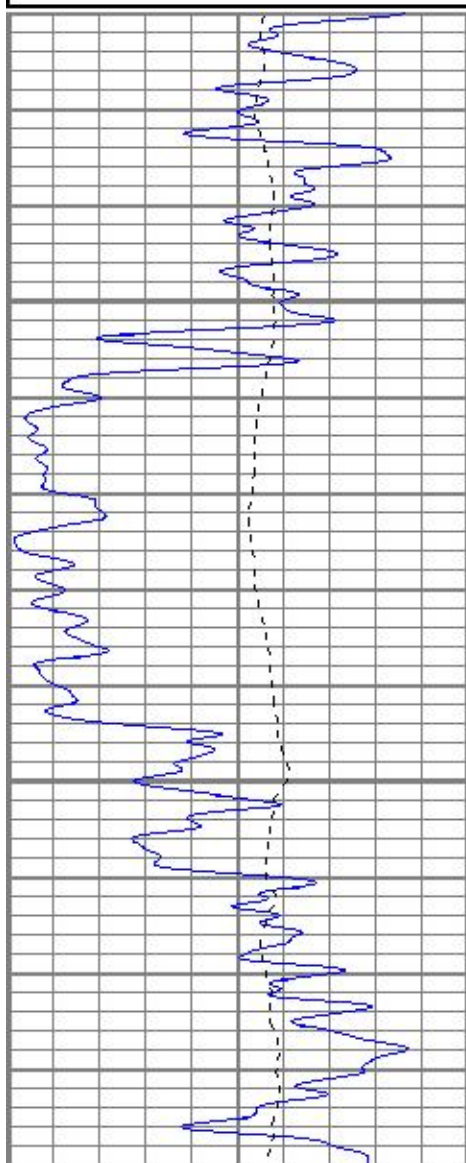
0	GR (GAPI)	150	1000	CILD (mmho/m)	0
			10000	LTEN (lb)	0
0	RILD (Ohm-m)	50			
0	RLL3 (Ohm-m)	50			
50	RILD x 10 (Ohm-m)	500			
50	RLL3 x 10 (Ohm-m)	500			



MAIN PASS

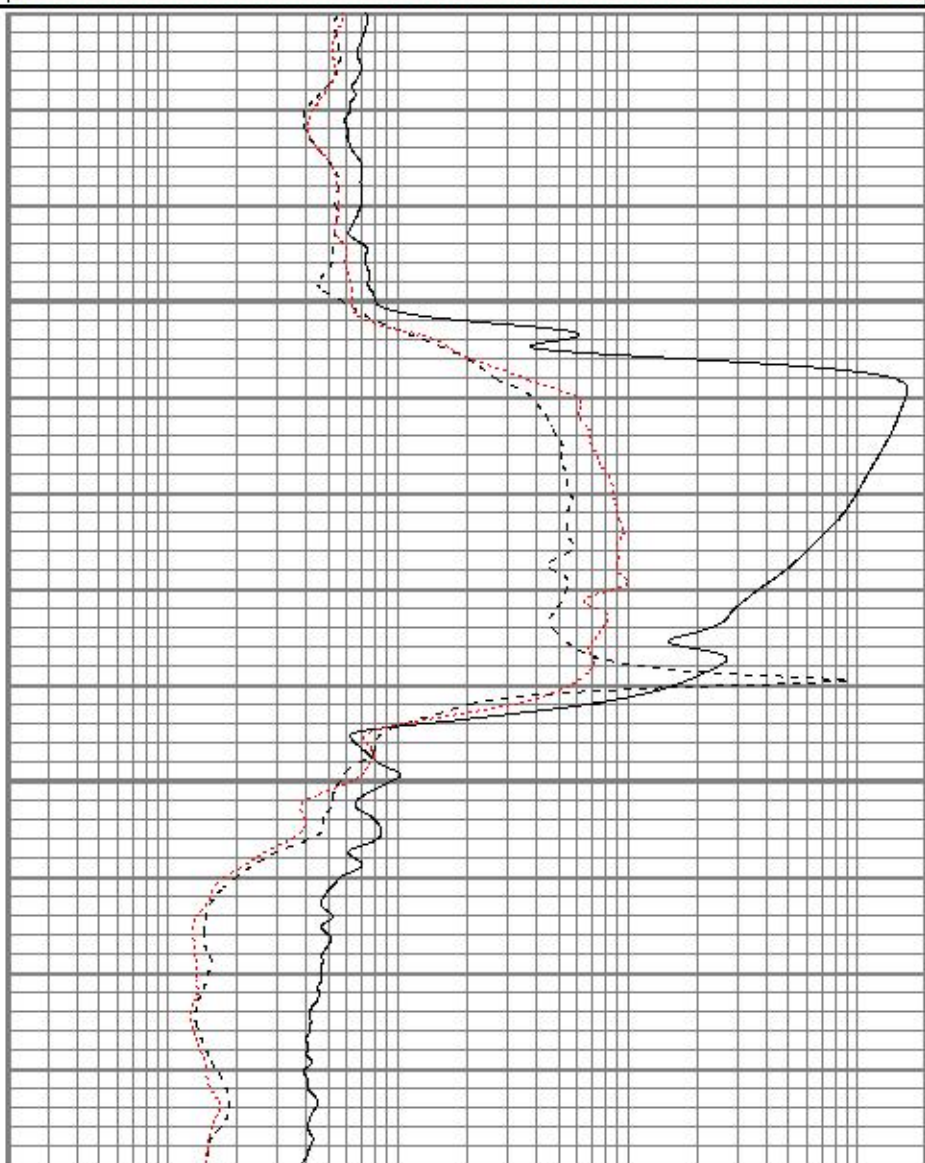
Database File aomcfarland2oh.db
Dataset Pathname pass2.1
Presentation Format kdil
Dataset Creation Sun May 06 09:24:53 2018
Charted by Depth in Feet scaled 1:240

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



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



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



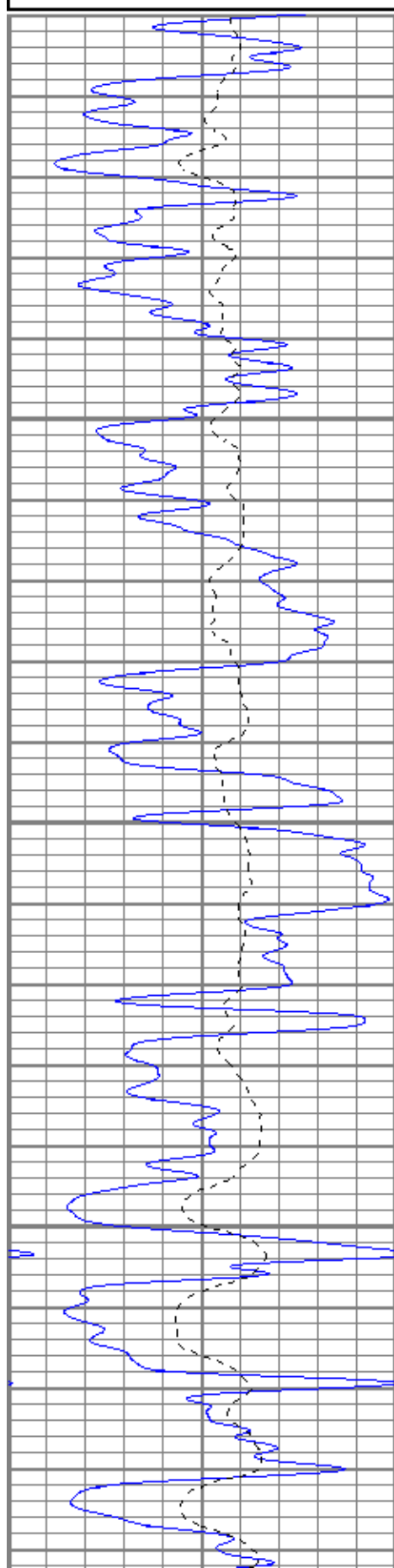
MAIN PASS

Database File aomcfarland2oh.db
Dataset Pathname pass2.1

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Presentation Format kdil
Dataset Creation Sun May 06 09:24:53 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

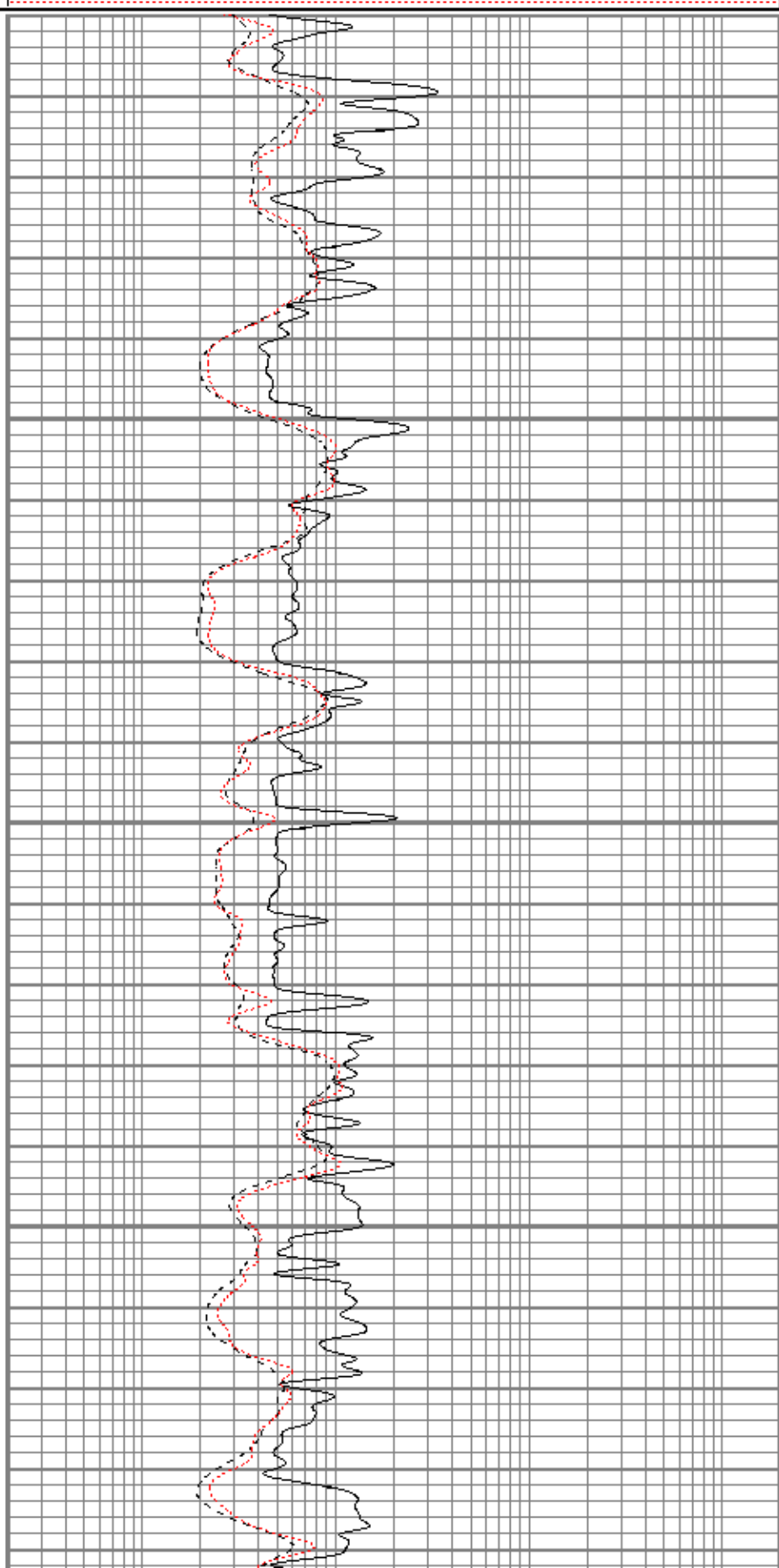


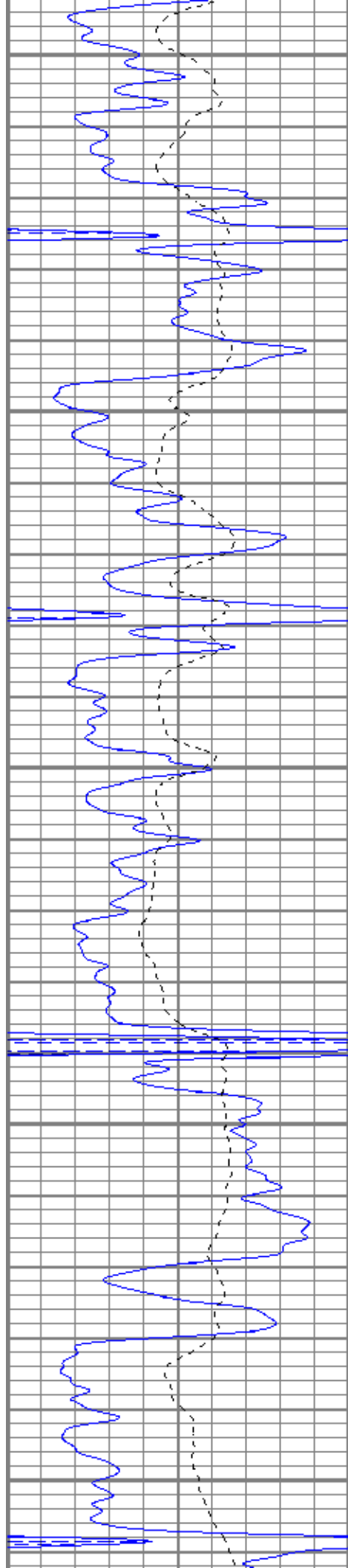
3100

3150

3200

3250





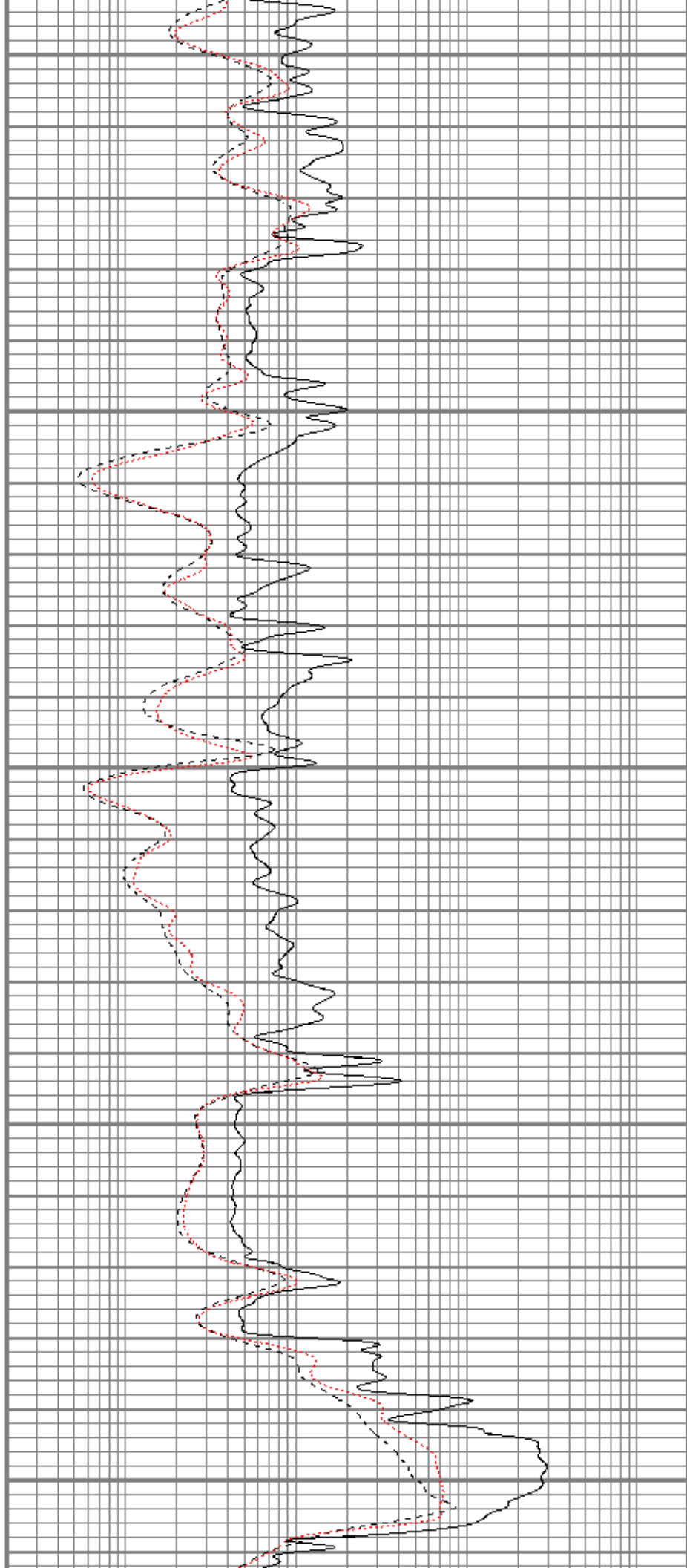
3300

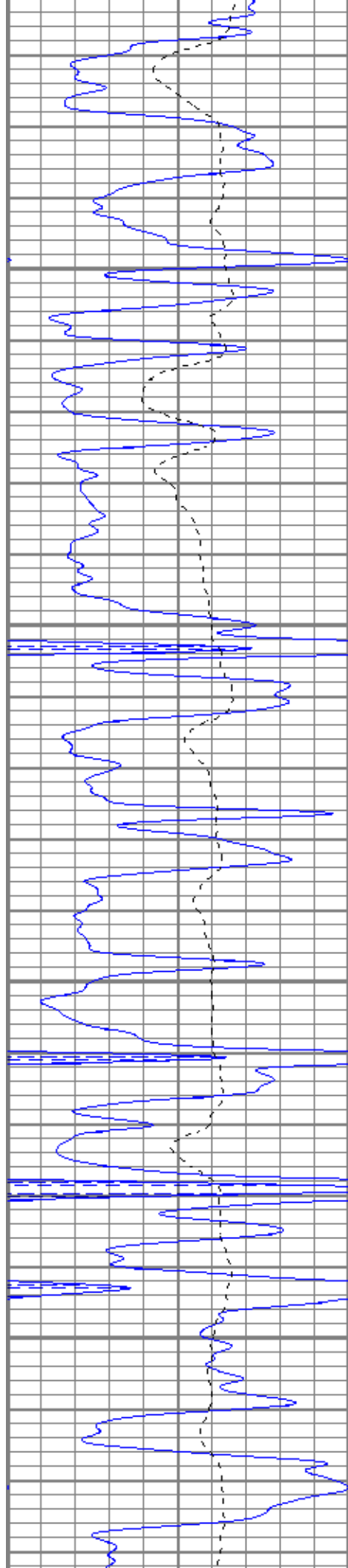
3350

3400

3450

3500



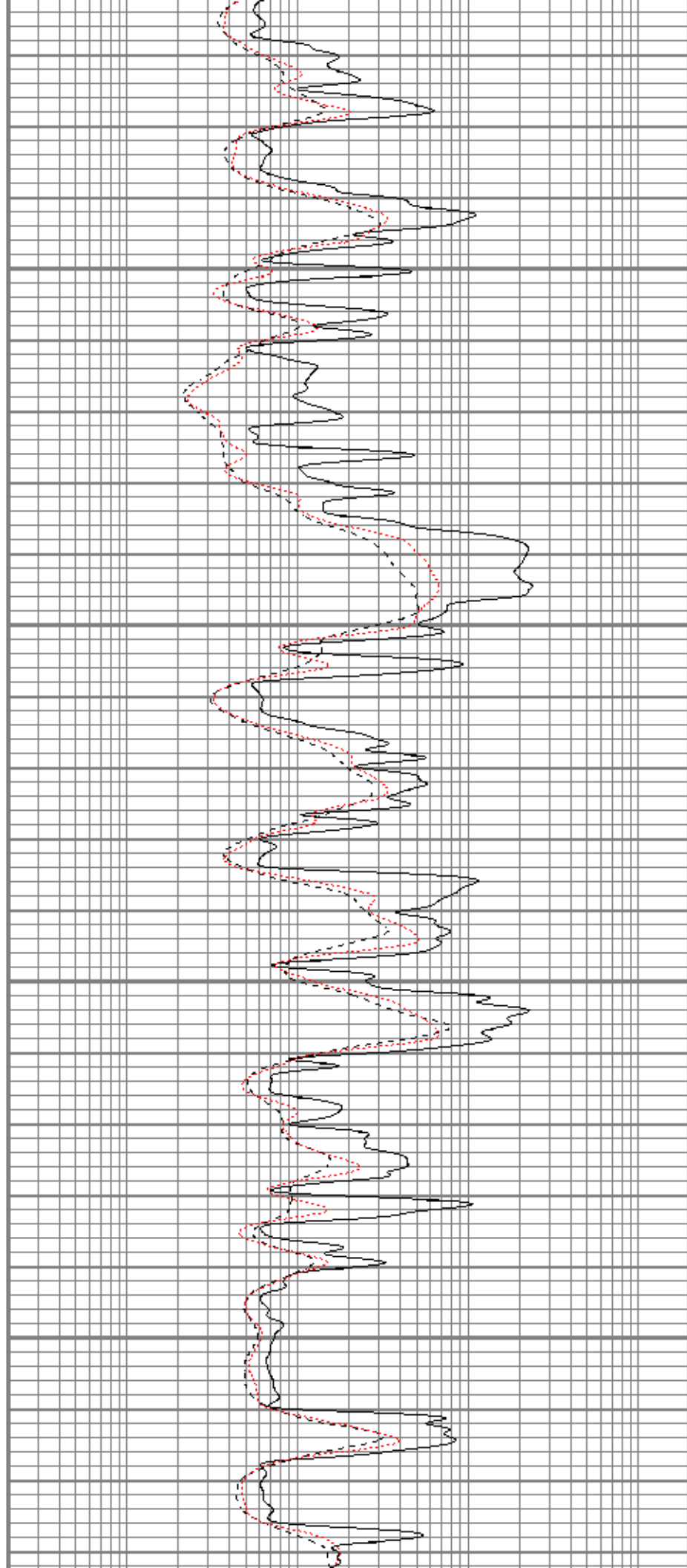


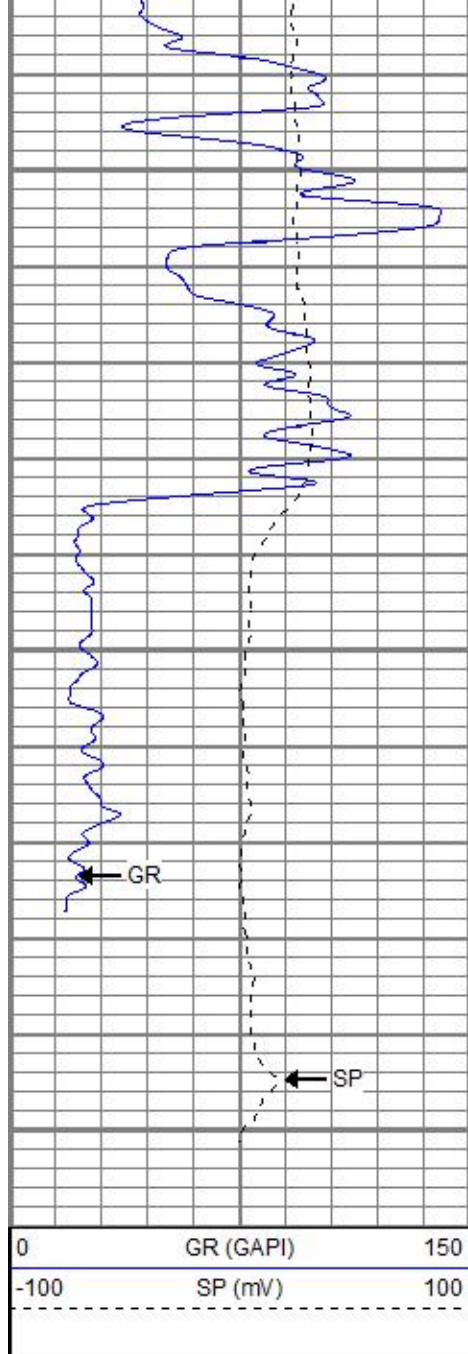
3550

3600

3650

3700

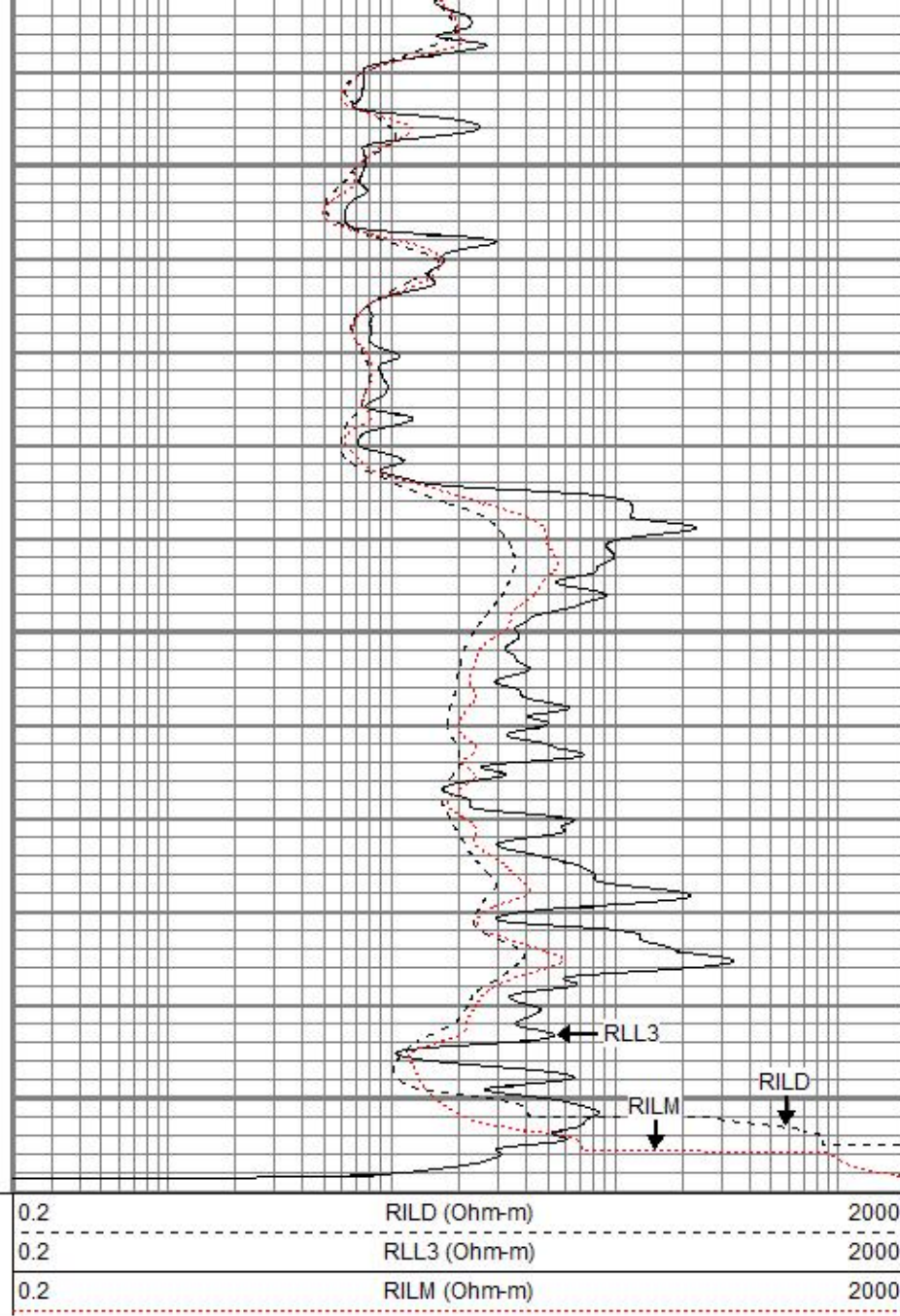




3750

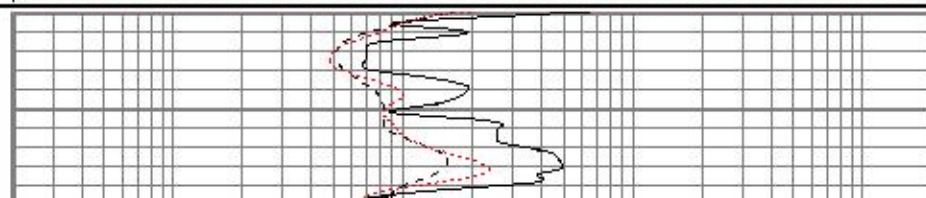
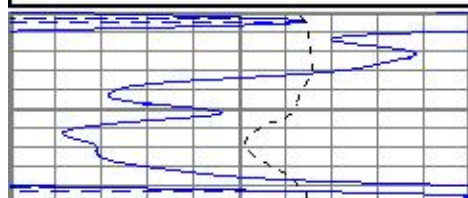
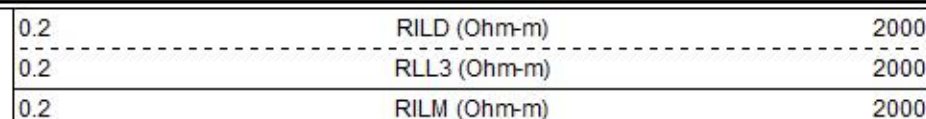
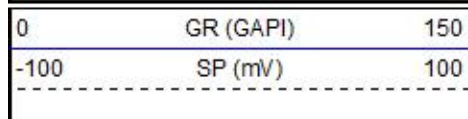
3800

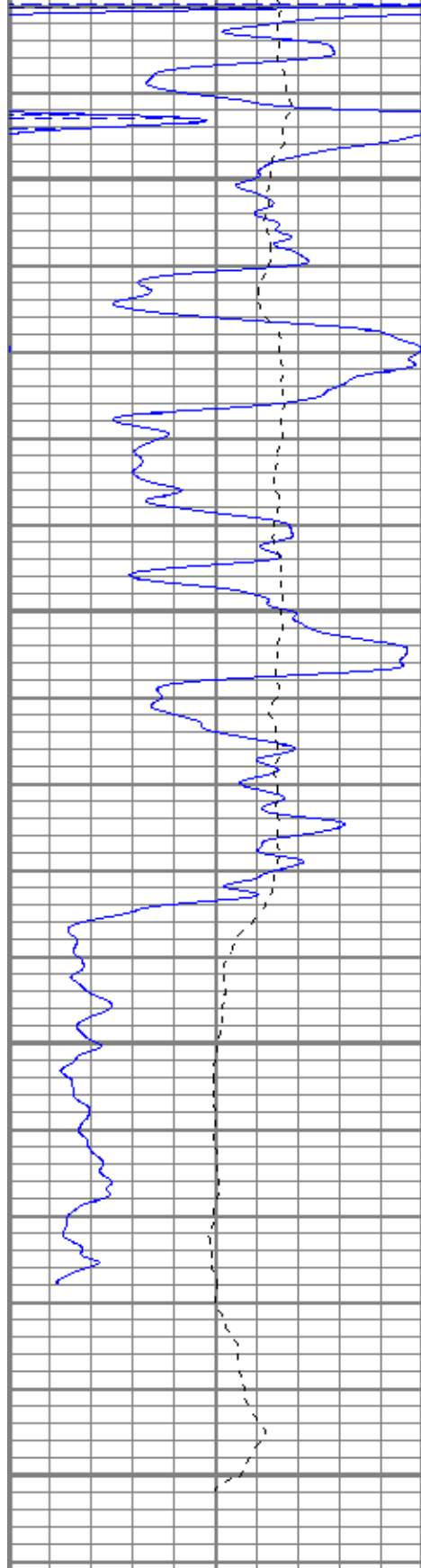
3850



Repeat Section

Database File aomcfarland2oh.db
 Dataset Pathname pass1.1
 Presentation Format kdil
 Dataset Creation Sun May 06 09:11:30 2018
 Charted by Depth in Feet scaled 1:240





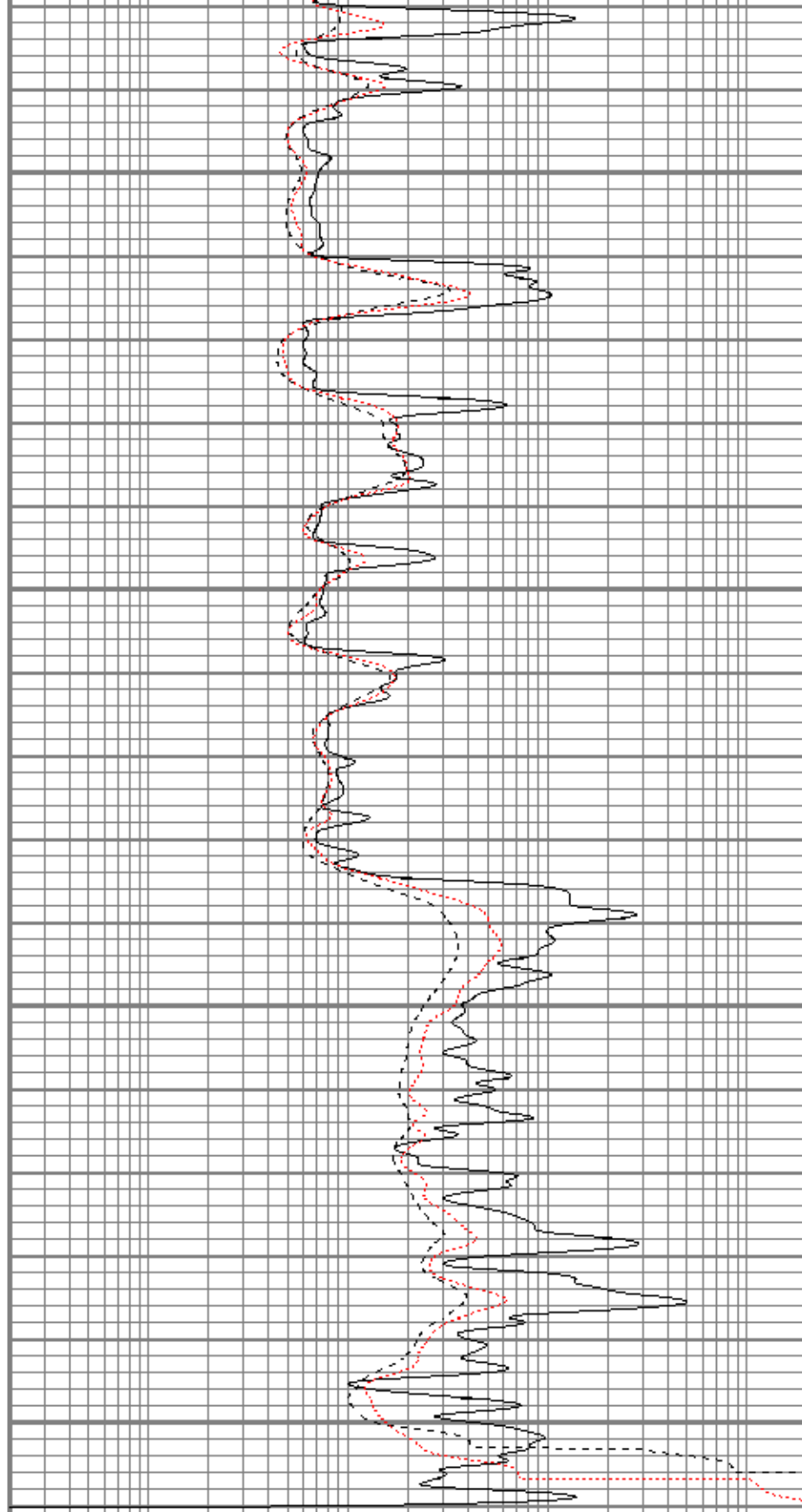
3700

3750

3800

3850

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 aomcfarland2oh.db
 Dataset Pathname pass2.1
 Dataset Creation Sun May 06 09:24:53 2018

Serial-Model:	1989-ADM
Surface Cal Performed:	Wed Feb 14 05:11:38 2018
Downhole Cal Performed:	Wed Feb 14 05:12:25 2018
After Survey Verification Performed:	Wed Feb 14 05:12:25 2018

Surface Calibration

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.009	0.667	V	0.000	350.000	mmho/m	517.989	4.543
Medium	-0.004	0.750	V	0.000	400.000	mmho/m	530.106	2.252
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.009	0.665	V	0.000	350.000	mmho/m	519.279	4.570
Medium	-0.005	0.750	V	0.000	550.000	mmho/m	728.849	3.479

Downhole Calibration

Readings				References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.003	350.326	mmho/m	-0.016	349.115	mmho/m	0.997	-0.019
Medium	-0.828	398.900	mmho/m	-0.278	399.748	mmho/m	1.001	0.551
Shallow	2.506	0.018	V	500.000	2.000	Ohm-m	205.206	-4.659

After Survey Verification

Readings				Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.003	350.326	mmho/m	0.997	-0.019
Medium	0.000	0.000	mmho/m	-0.828	398.900	mmho/m	1.001	0.551
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

Compensated Density Calibration Report

Serial-Model:	2388DHT-DHT
Source / Verifier:	csv j12 / csv j12
Master Calibration Performed:	Sun Aug 13 21:51:41 2017
Before Survey Verification Performed:	
After Survey Verification Performed:	

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.750	g/cc	825.09	253.60	cps
Aluminum	2.680	g/cc	159.18	174.22	cps
Spine Angle = 77.15			Density/Spine Ratio = 0.551		
	Size		Reading		
Small Ring	7.90	in	5982.32		
Large Ring	16.00	in	10612.00		

Before Survey Verification

Target	Measured
g/cc	g/cc
g/cc	g/cc
g/cc	g/cc

After Survey Verification

Target	Measured
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		g/cc g/cc g/cc			g/cc g/cc g/cc
Gamma Ray Calibration Report					
Serial Number:	2001				
Tool Model:	OH				
Performed:	Sun Nov 12 16:26:41 2017				
Calibrator Value:	1.0		GAPI		
Background Reading:	0.0		cps		
Calibrator Reading:	1.0		cps		
Sensitivity:	0.7000		GAPI/cps		
Neutron Calibration Report					
Serial Number:	5109				
Tool Model:	P				
Performed:	Mon Feb 06 08:44:38 2012				
Calibrator Value:	1		NAPI		
Calibrator Reading:	1		cps		
Sensitivity:	1		NAPI/cps		

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
NEU	36.92		CHD-None	0.75	1.50	5.00
			NEU-P (5109) Probe	4.92	3.63	85.00
GR	30.56		GR-OH (2001) 2001	3.56	3.25	40.00
			CDL-DHT (2388DHT) Digital High Temp CDL Tool	9.69	4.00	201.00
LSD	22.02					
DCAL	21.73					
SSD	21.48					
HEADVOLT	19.71					
SP	10.60					
CILD	10.60		DIL-ADM (1989) Dual Induction	19.71	4.00	300.00
CILM	6.89					
RLL3	1.70					

Dataset: aomcfarland2oh.db: field/well/run1/pass2.1 Total length: 38.63 ft Total weight: 631.00 lb O.D.: 4.00 in						