



DUAL INDUCTION LOG

Company John O. Farmer, Inc.

Well Finney #1

Field Wildcat

County Lyon

State KS

Location:

API #: 15 111 20535

1800' FNL & 1620' FEL

Other Services
ML
CDNL
BCS

SEC 6 TWP 17S RGE 10E

Elevation

Permanent Datum Ground Level Elevation 1286'
Log Measured From KB 8' AGL
Drilling Measured From KB

K.B. 1294'
D.F. 1293'
G.L. 1286'

Date

5-1-18

Run Number

One

Depth Driller

3130'

Depth Logger

3131'

Bottom Logged Interval

3129'

Top Log Interval

210'

Casing Driller

8 5/8" @ 220'

Casing Logger

220'

Bit Size

7 7/8"

Type Fluid in Hole

Chemical Mud

Density / Viscosity

9.1/4.4

pH / Fluid Loss

9.0/9.2

Source of Sample

Pit

Rm @ Meas. Temp

2.5@84degf

Rmf @ Meas. Temp

2.0@84degf

Rmc @ Meas. Temp

3.2@84degf

Source of Rmf / Rmc

Calculated

Rm @ BHT

1.95@108degf

Time Circulation Stopped

10:00 p.m.

Time Logger on Bottom

12:35 A.M.

Maximum Recorded Temperature

108degf

Equipment Number

T127

Location

Hays, KS.

Recorded By

C. Patterson

Witnessed By

Mr. Austin Klaus

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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 interpretation, and we shall not, except in the case of gross or willful 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 set out in our current Price Schedule.

Comments

East out of Council Grove to S 200 Rd., South on S 200 Rd. to Y Ave.,
East on Y Ave. to B Rd., South on B Rd. West into

Thank you for using Gemini Wireline
785-625-1182



MAIN PASS

Database File joffinney1oh.db
Dataset Pathname pass2.1
Presentation Format kdi11inn
Dataset Creation Tue May 01 01:49:17 2018
Charted by Depth in Feet scaled 1:600

0 GR (GAPI) 150

1000 CILD (mmho/m) 0

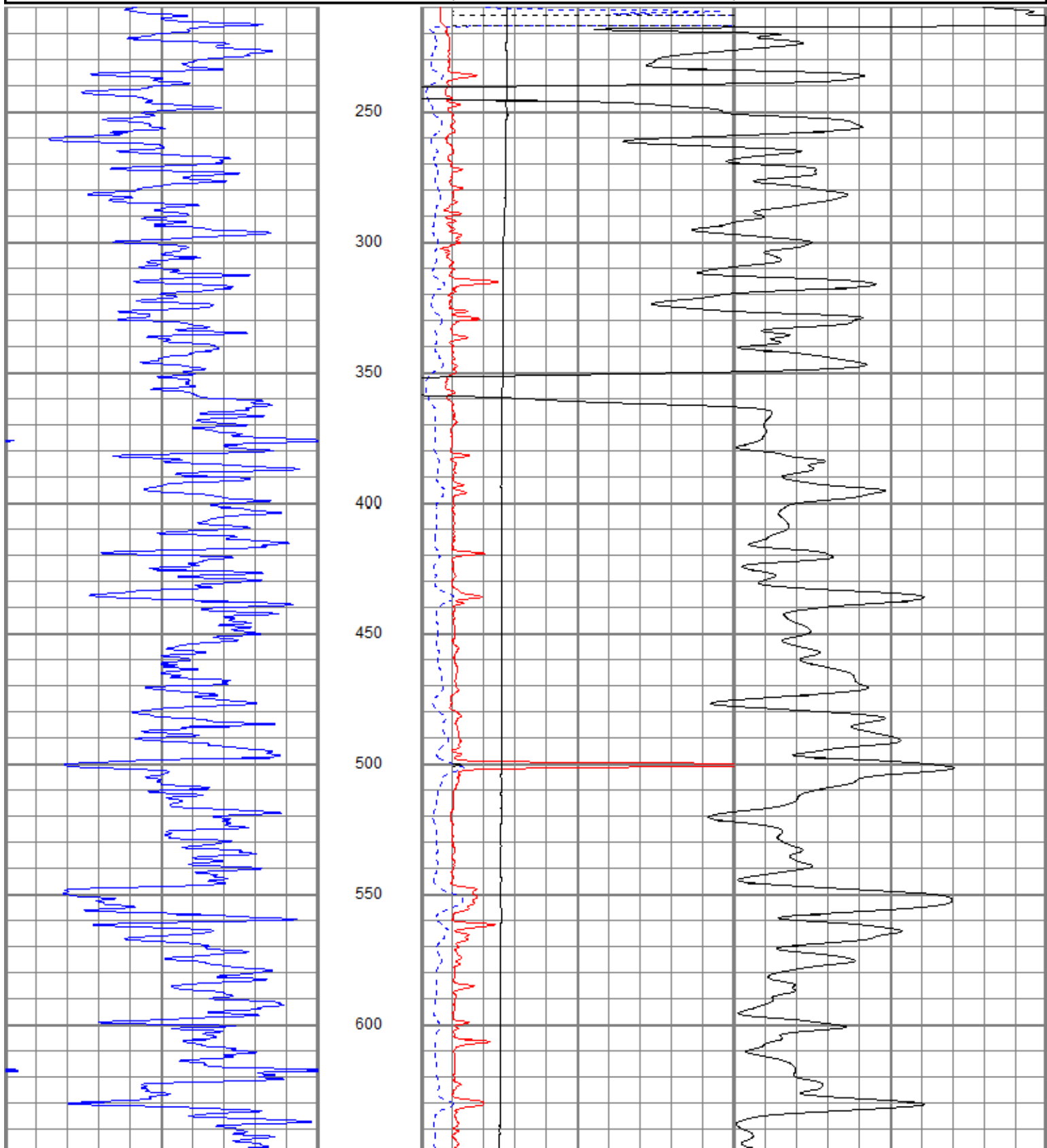
10000 LTEN (lb) 0

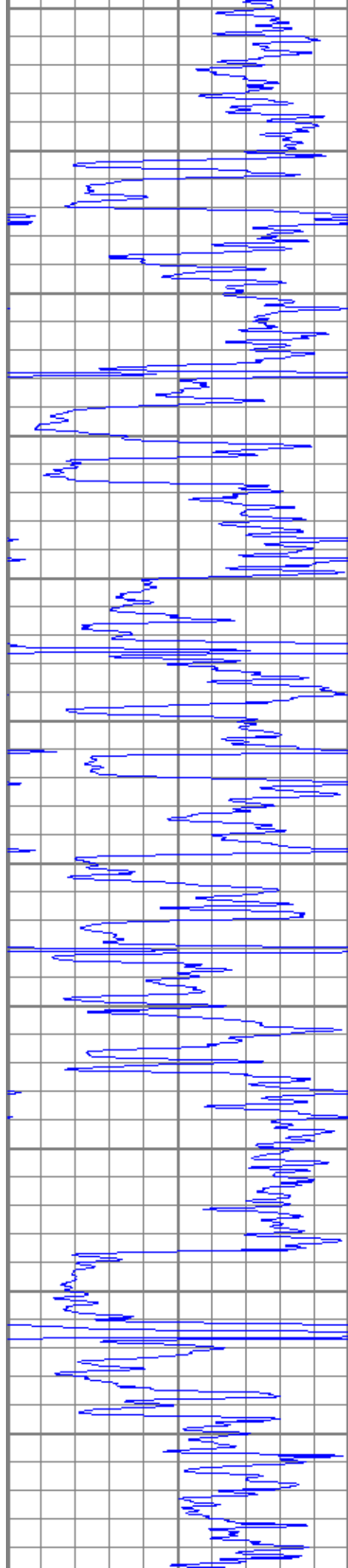
0 RILD (Ohm-m) 50

0 RLL3 (Ohm-m) 50

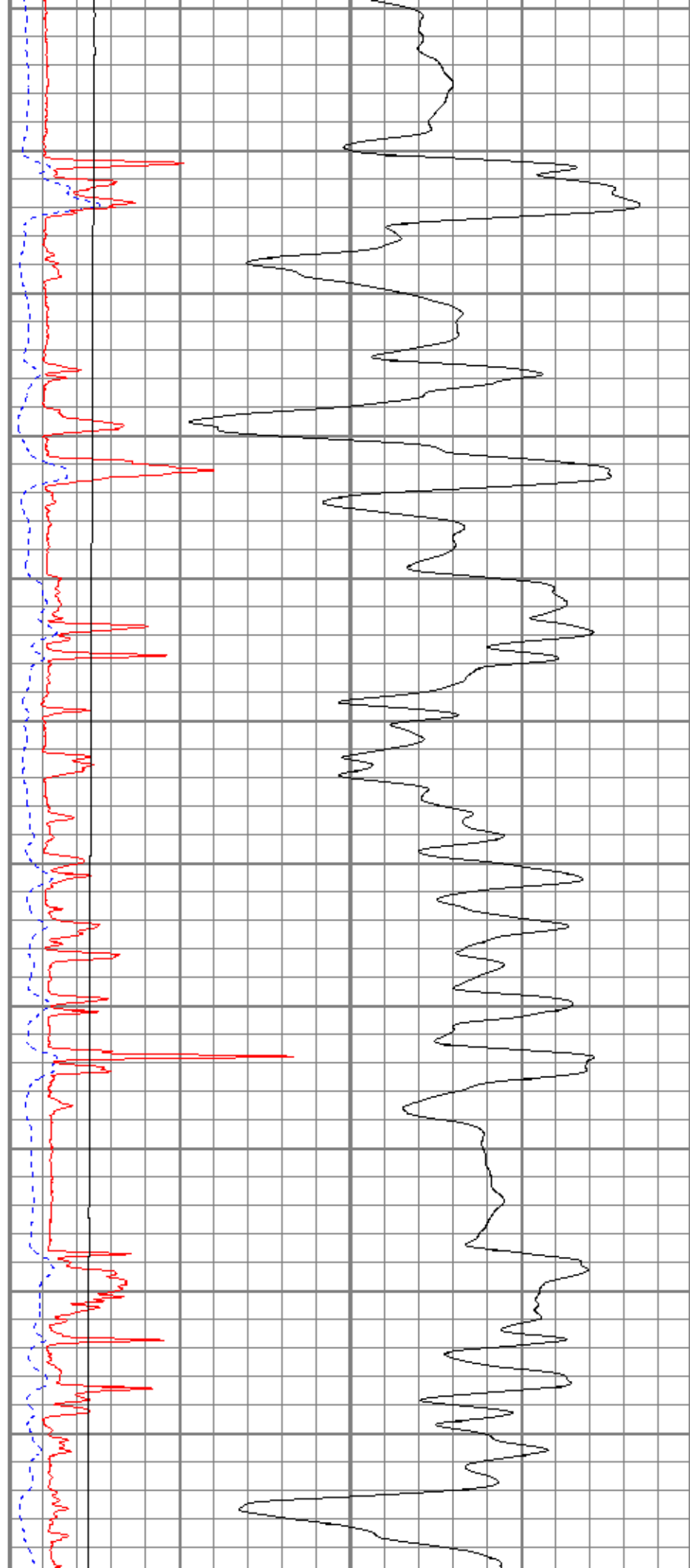
50 RILD x 10 (Ohm-m) 500

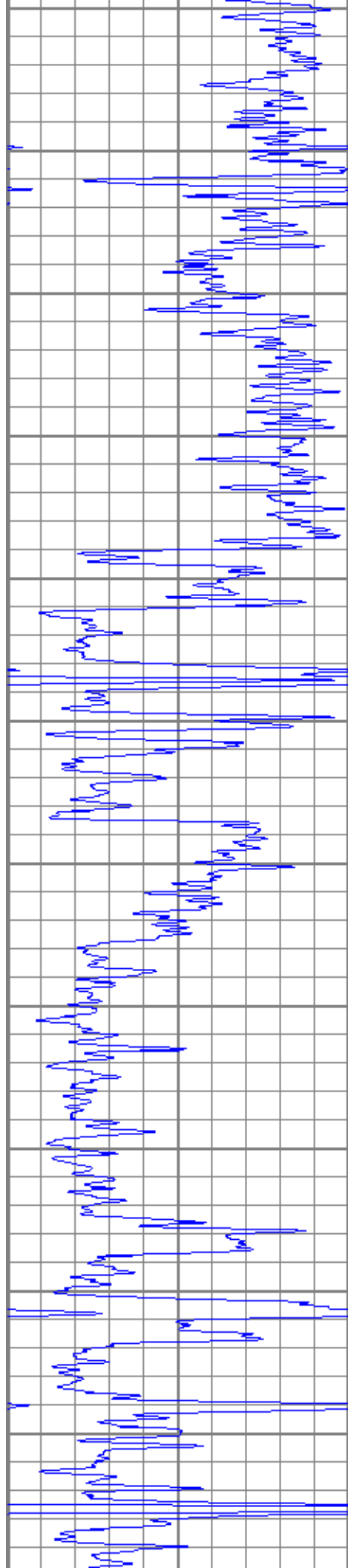
50 RLL3 x 10 (Ohm-m) 500



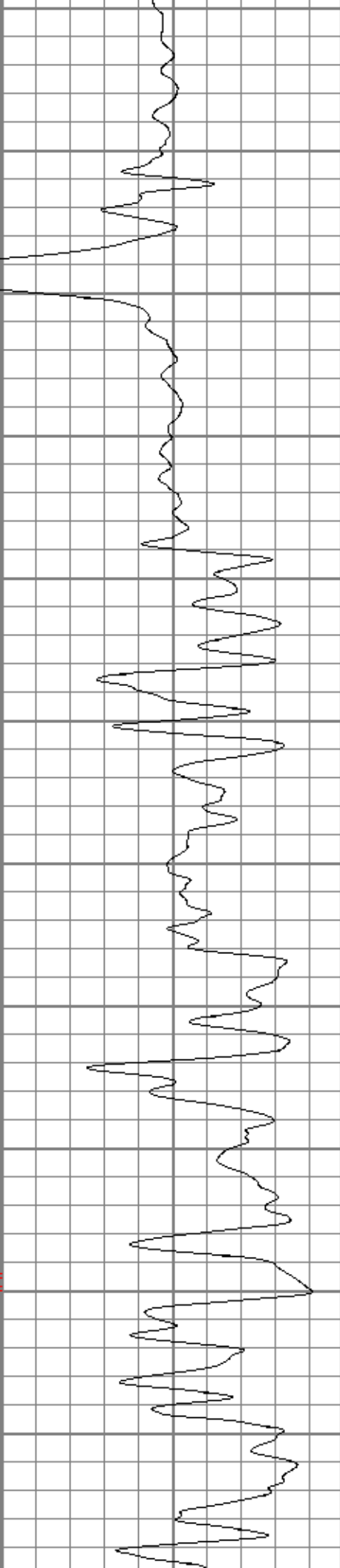
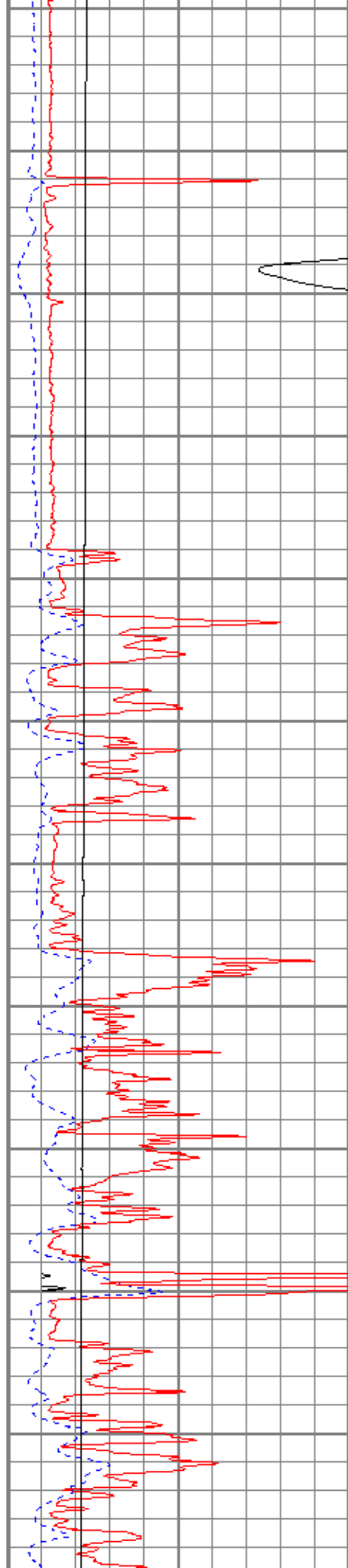


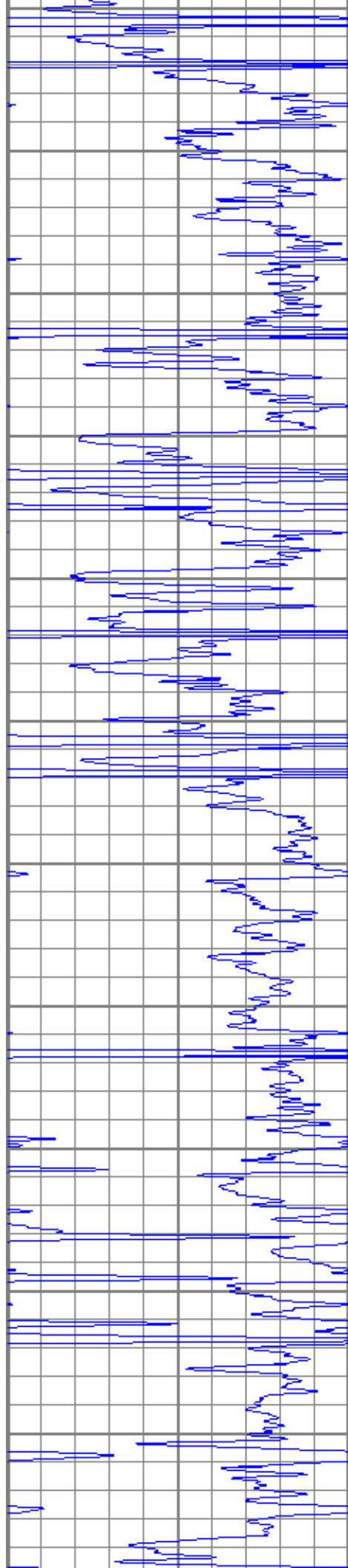
650
700
750
800
850
900
950
1000
1050
1100
1150



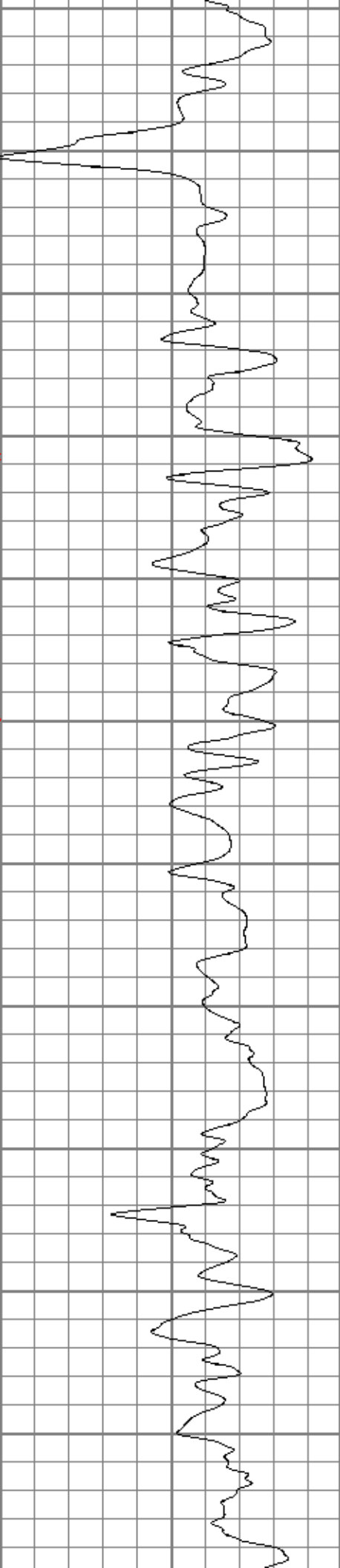
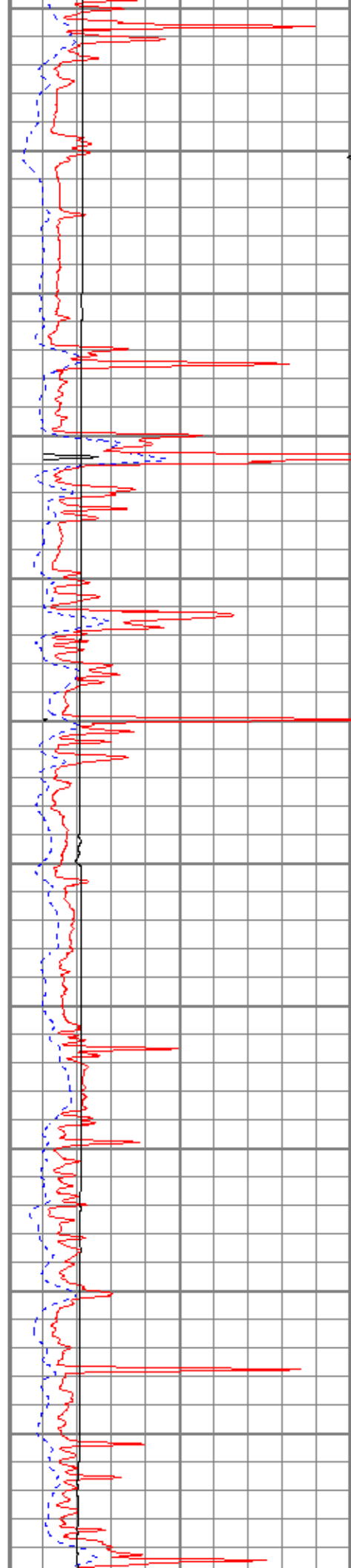


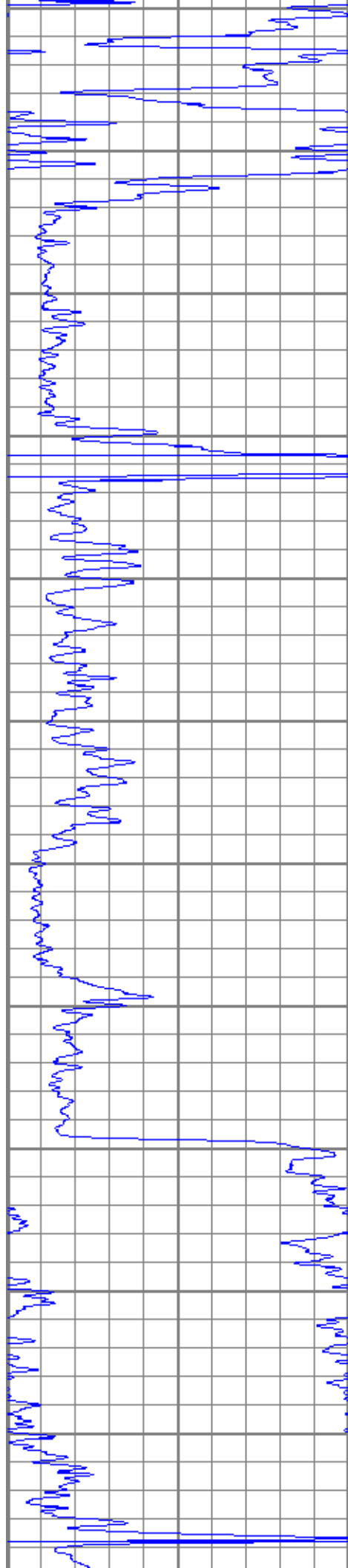
1200
1250
1300
1350
1400
1450
1500
1550
1600
1650
1700



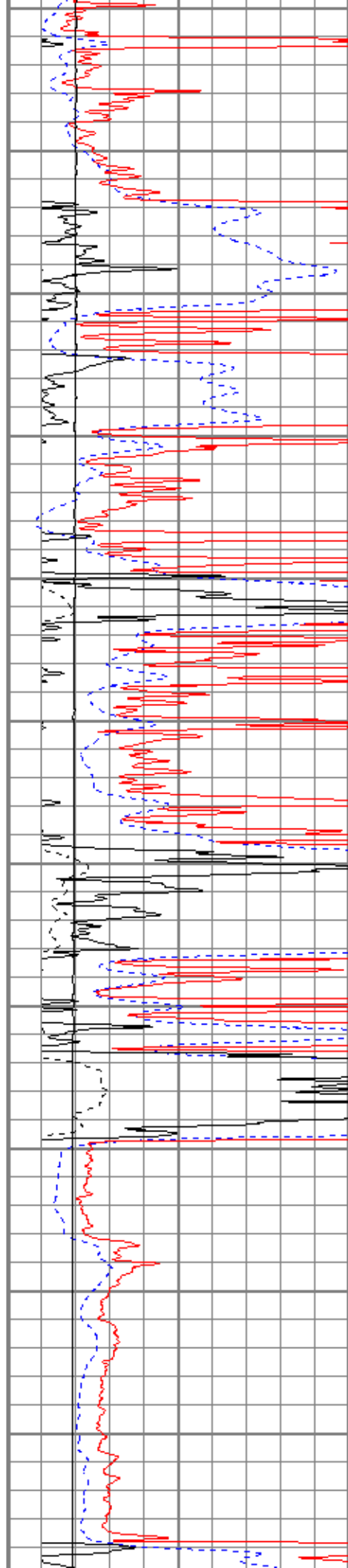


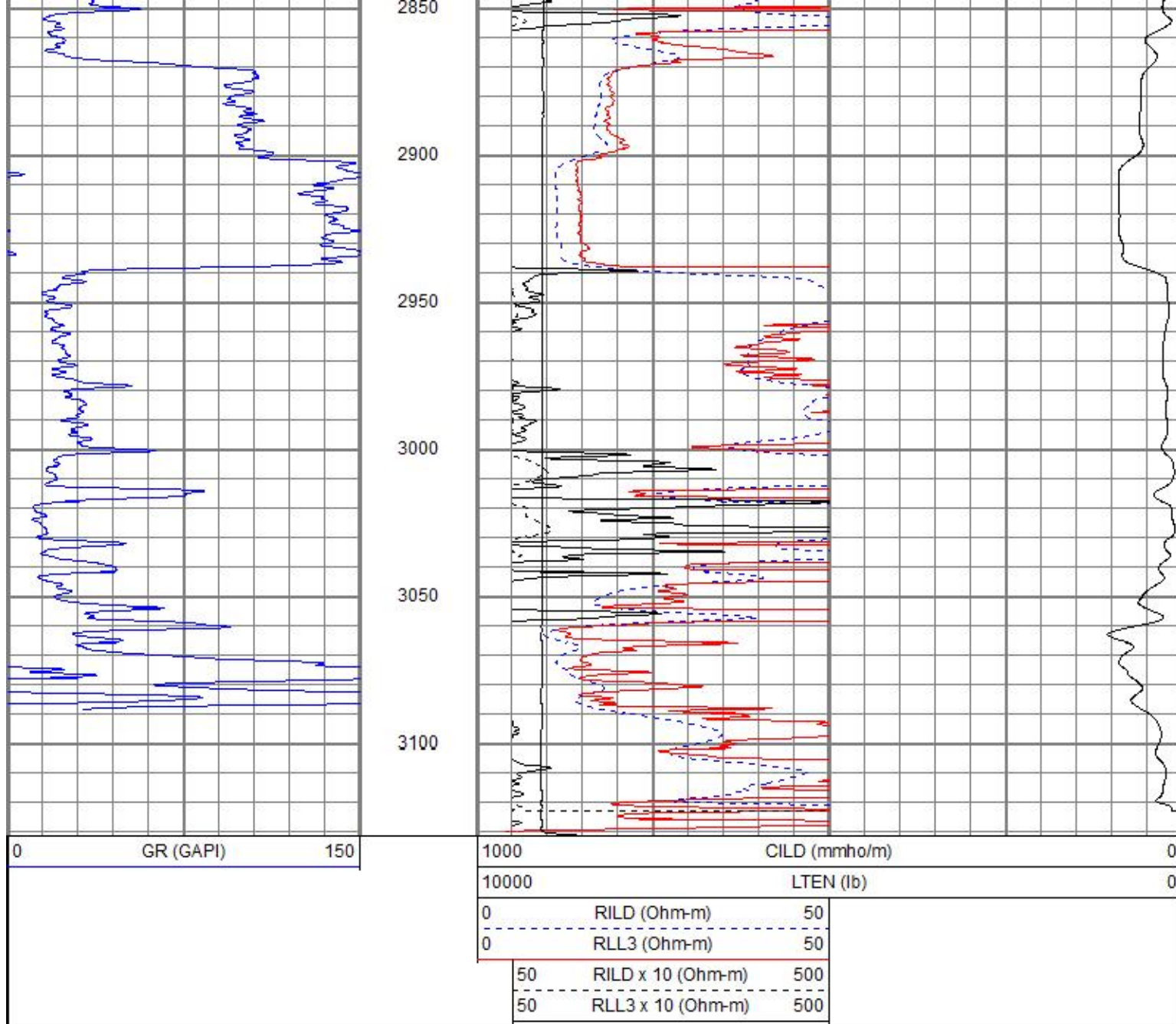
1750
1800
1850
1900
1950
2000
2050
2100
2150
2200
2250





2300
2350
2400
2450
2500
2550
2600
2650
2700
2750
2800

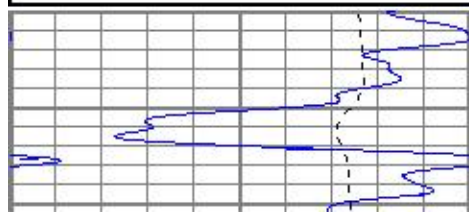




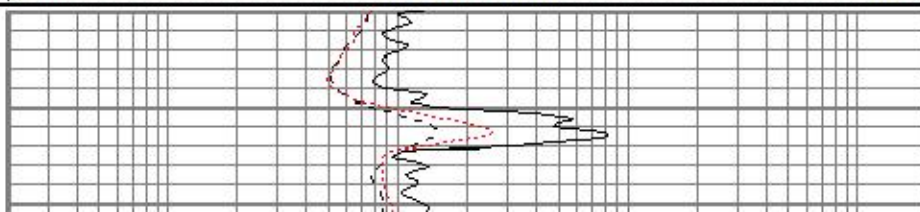
MAIN PASS

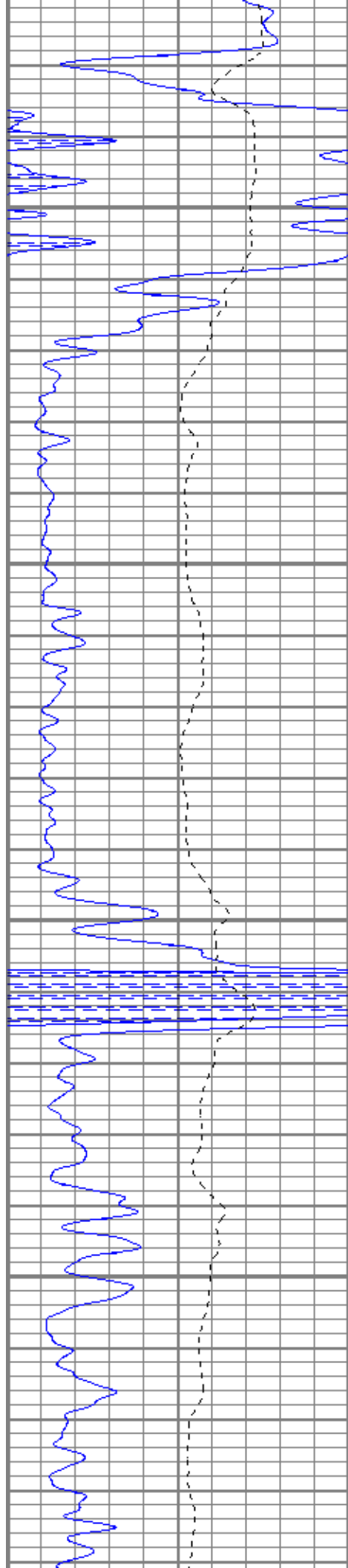
Database File joffinney1oh.db
 Dataset Pathname pass2.1
 Presentation Format kdil
 Dataset Creation Tue May 01 01:49:17 2018
 Charted by Depth in Feet scaled 1:240

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



2850



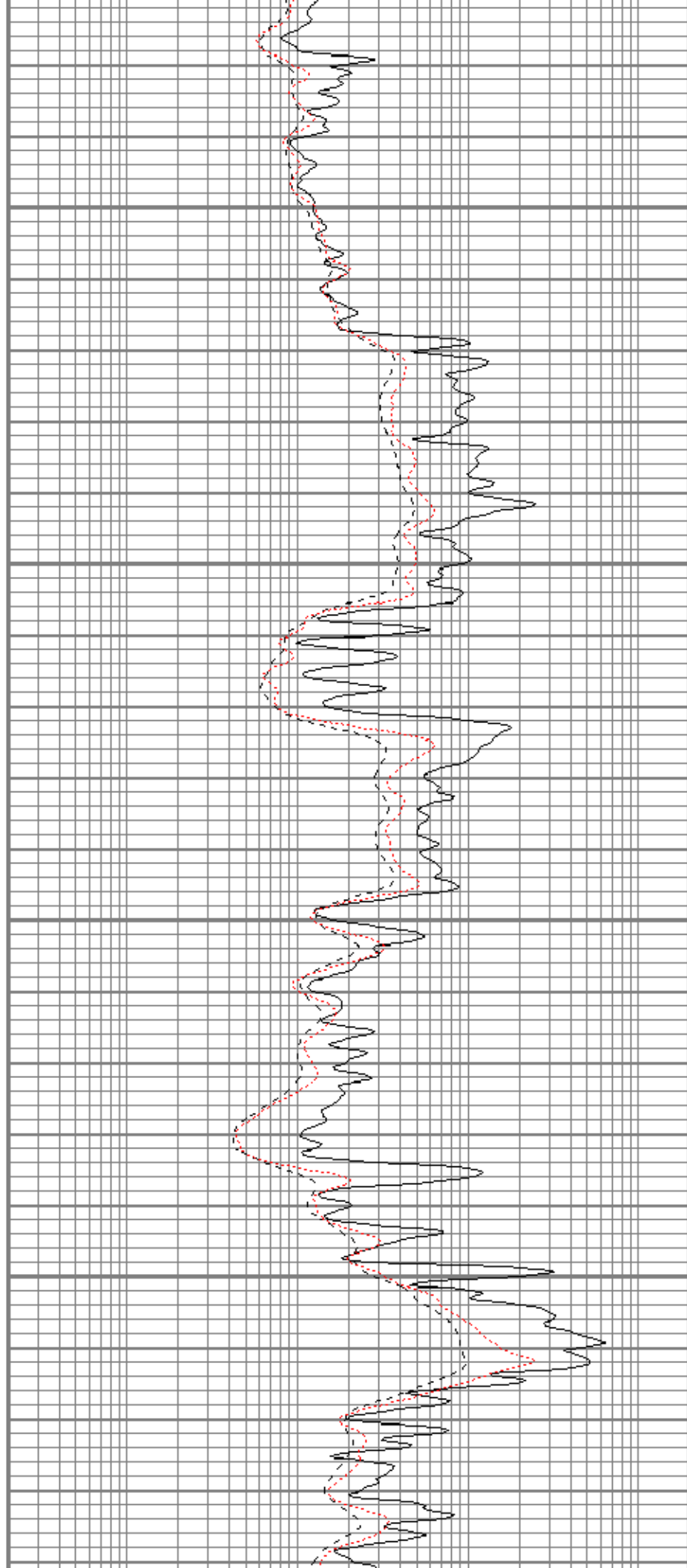


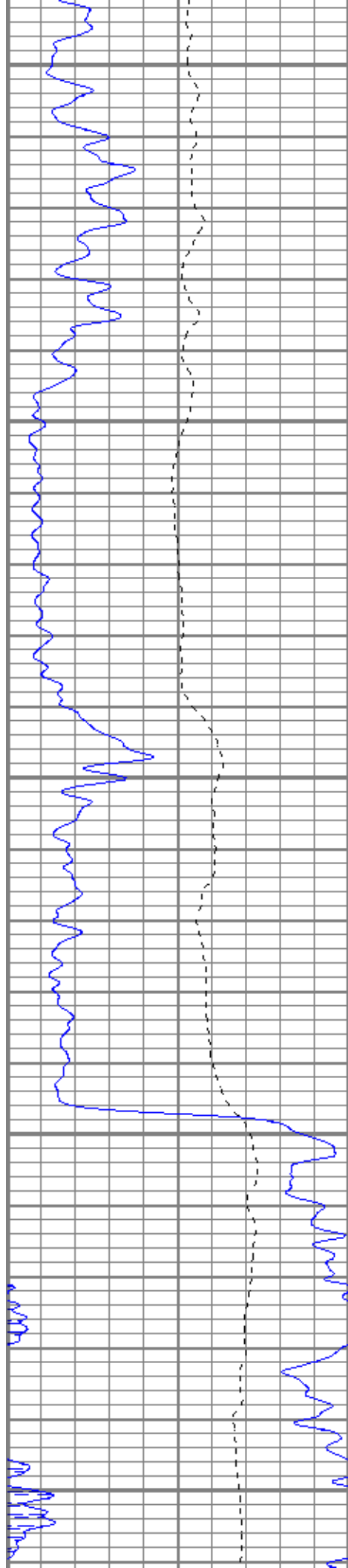
2350

2400

2450

2500





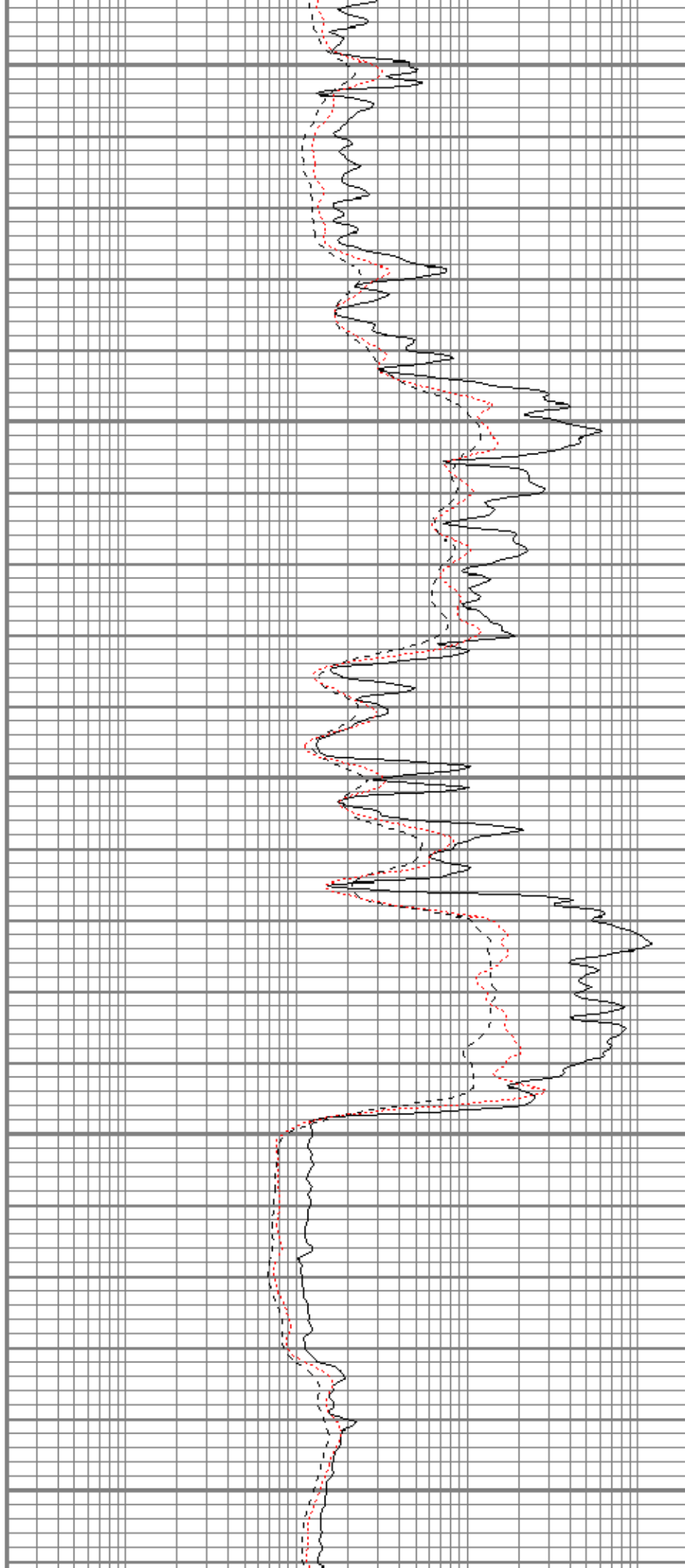
2550

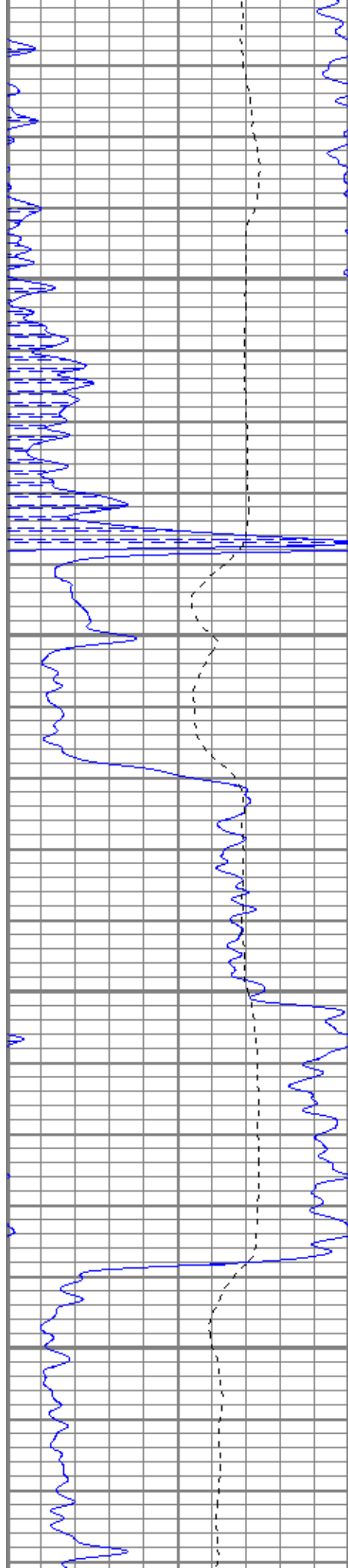
2600

2650

2700

2750



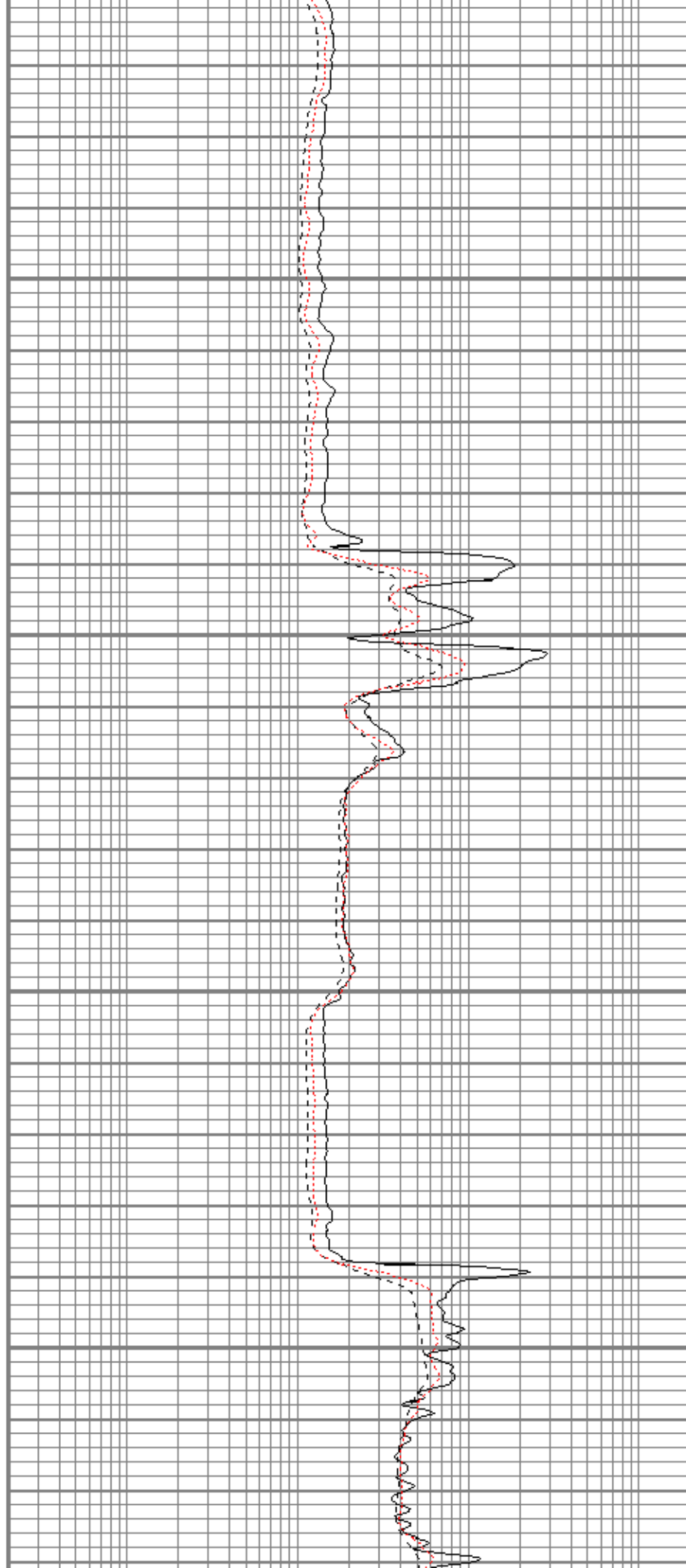


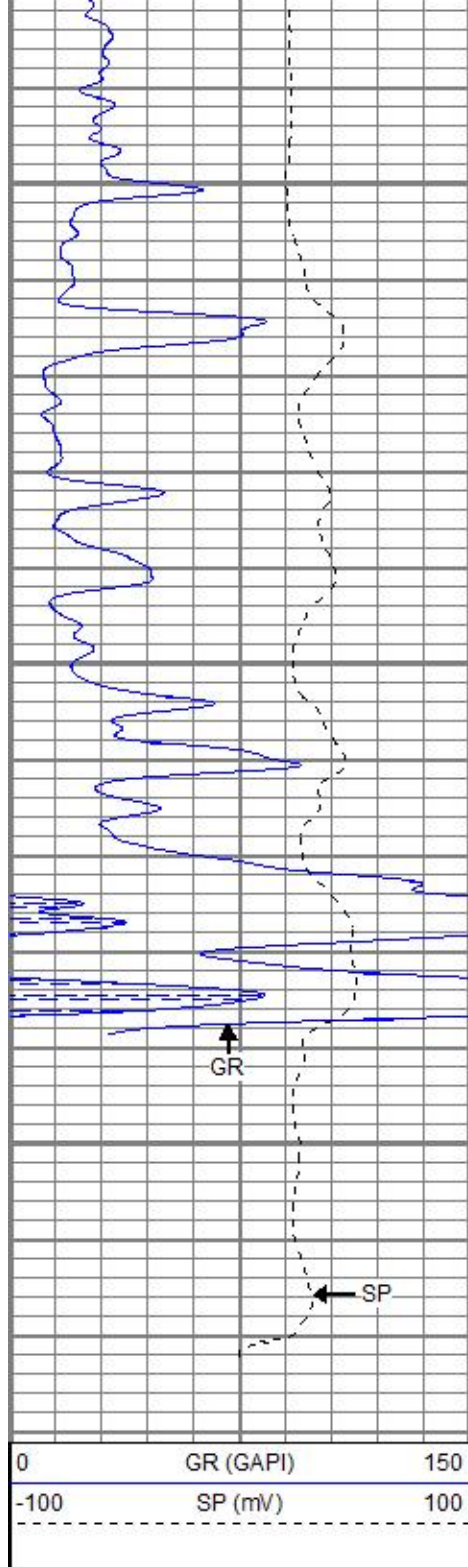
2800

2850

2900

2950





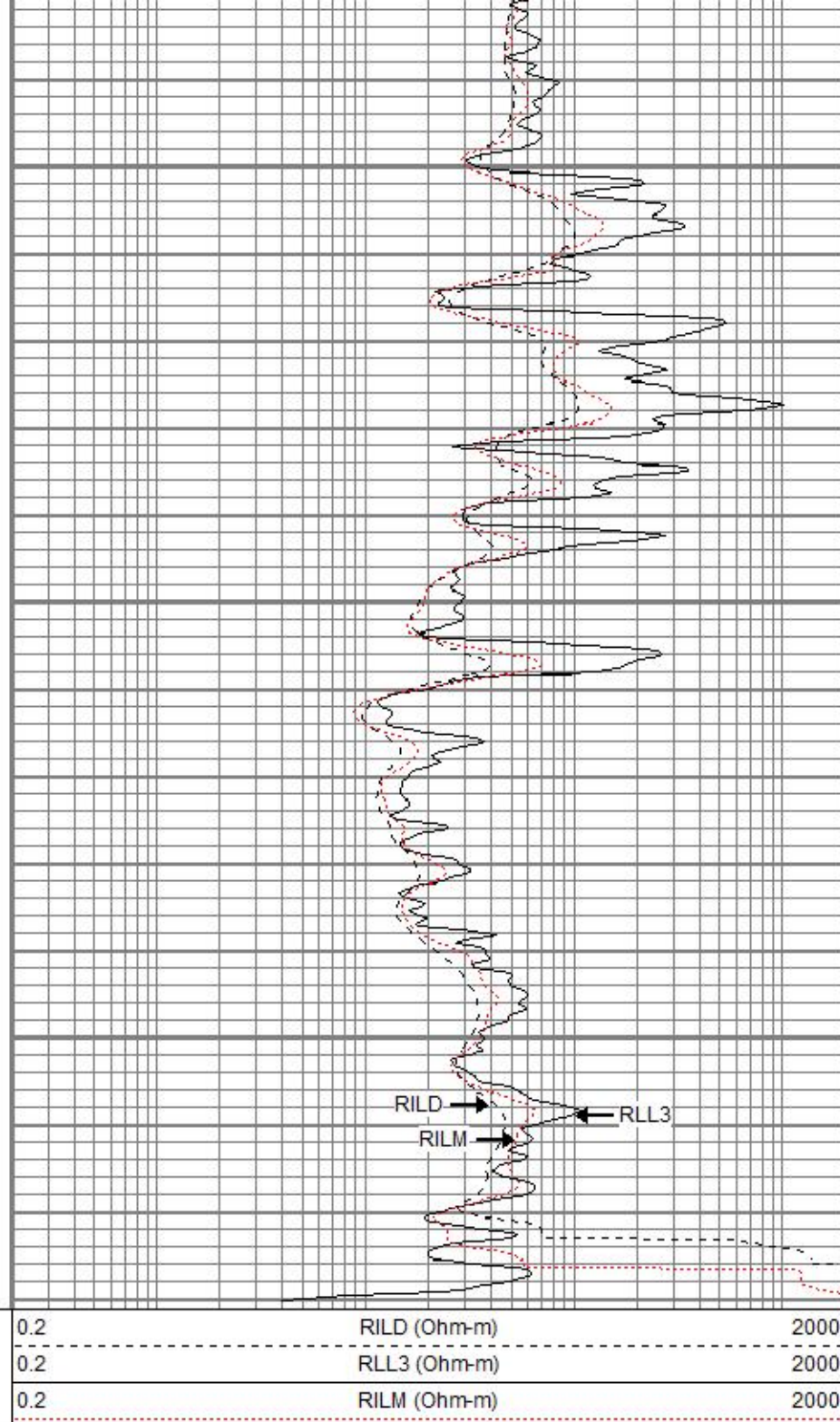
3000

3050

3100

GR

SP



RILD

RILM

RLL3

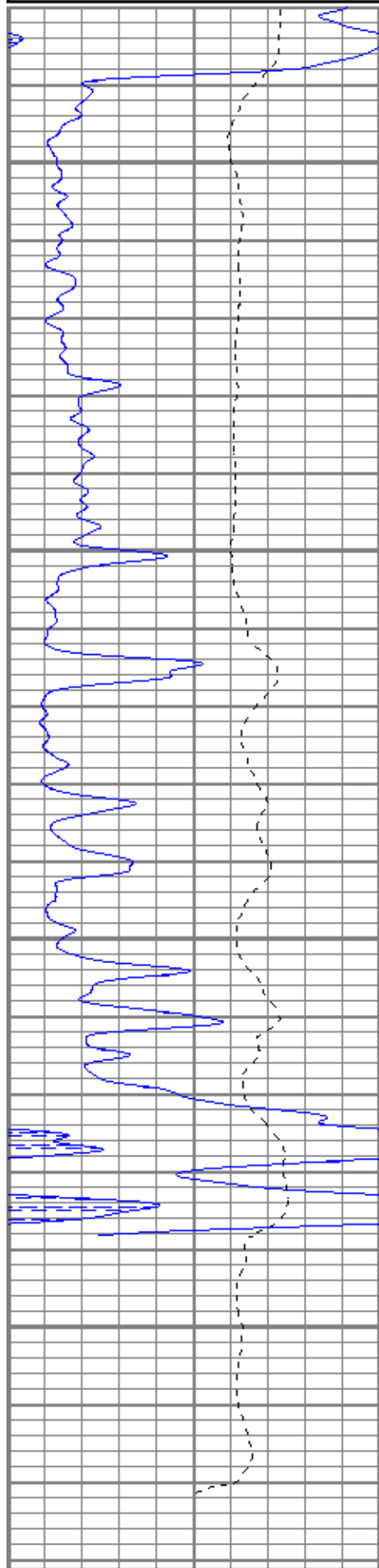


REPEAT SECTION

Database File joffinney1oh.db
 Dataset Pathname pass1.1
 Presentation Format kdil
 Dataset Creation Tue May 01 01:19:46 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	RIL M (Ohm-m)	2000



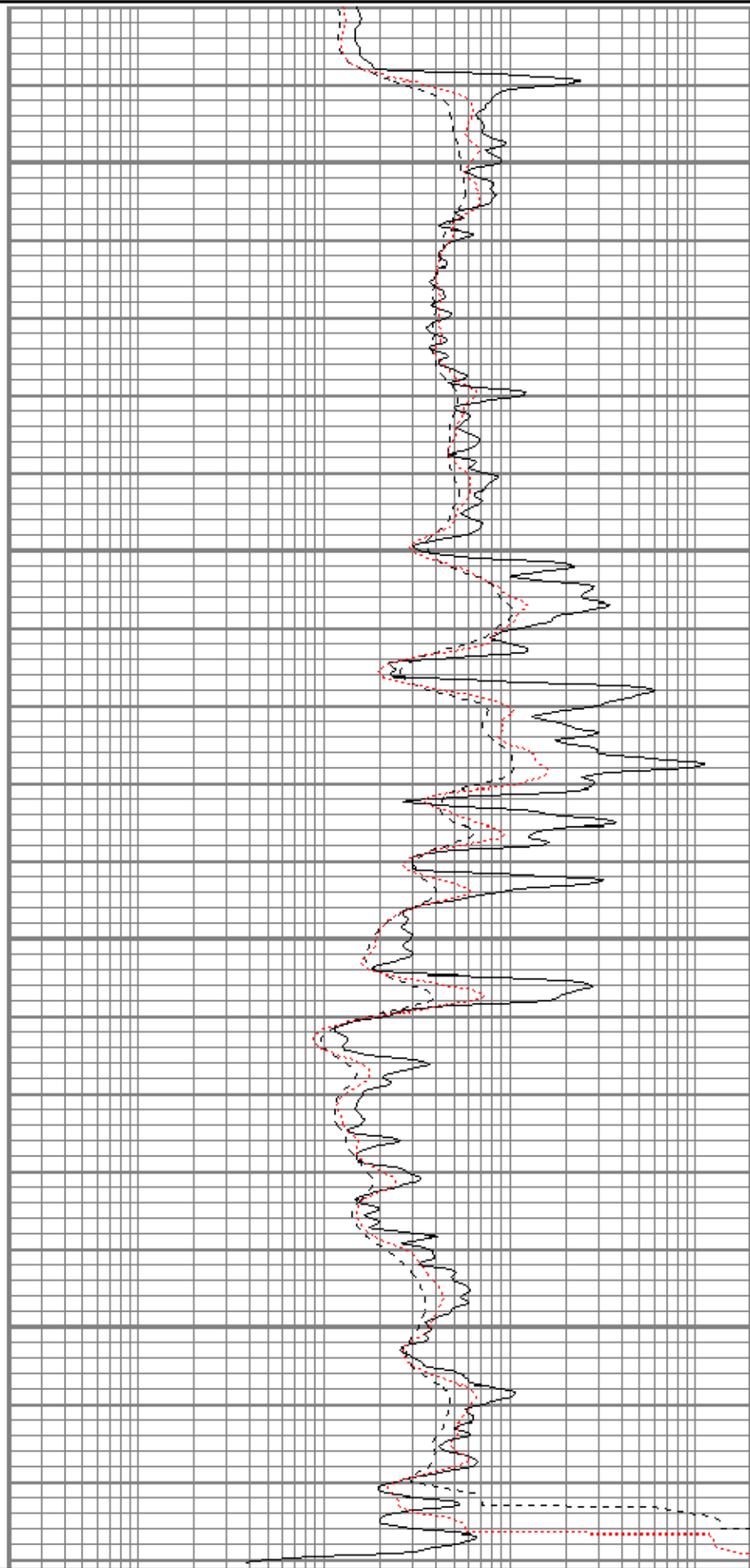
0	GR (GAPI)	150
-100	SP (mV)	100

2950

3000

3050

3100



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

```
Database File      joffinney1oh.db
Dataset Pathname  pass2.1
Dataset Creation   Tue May 01 01:49:17 2018
```

Serial-Model: 5375-G
Surface Cal Performed: Wed Apr 25 14:41:51 2018
Downhole Cal Performed: Wed Apr 25 14:42:25 2018
After Survey Verification Performed: Wed Apr 25 14:42:25 2018

Readings			References			Results		
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.003	0.656	V	0.000	350.000	mmho/m	530.599	1.817
Medium	0.010	0.730	V	0.000	400.000	mmho/m	556.229	-5.819
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.004	0.655	V	0.000	350.000	mmho/m	530.717	2.128
Medium	0.010	0.729	V	0.000	550.000	mmho/m	765.647	-8.033

Readings			References			Results		
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.534	350.424	mmho/m	-0.311	349.611	mmho/m	0.997	0.222
Medium	0.000	399.531	mmho/m	0.017	399.582	mmho/m	1.000	0.017
Shallow	2.441	0.018	V	500.000	2.000	Ohm-m	180.607	3.796

Readings			Targets			Results		
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.534	350.424	mmho/m	0.997	0.222
Medium	0.000	0.000	mmho/m	0.000	399.531	mmho/m	1.000	0.017
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

Serial Number:	2017	
Tool Model:	lithogearhart	
Performed:	(Not Performed)	
Calibrator Value:	1	NAPI
Calibrator Reading:	1	cps
Sensitivity:	1	NAPI/cps

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			

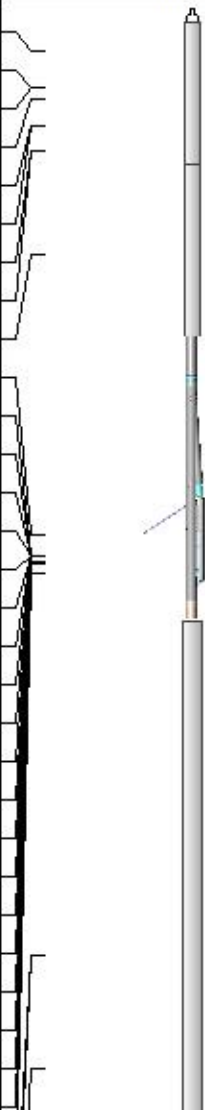
Offset: 0.00
Delta Spacing 1

Inclinometer Calibration Report

Performed:	Wed Dec 06 22:31:06 2017				
	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)
GR	40.07		CHD-STD	0.50	1.69	1.00
ACCY	38.91		ADT-WOMC (WithOutMC) Telemetry Without Mud Cell	4.58	3.50	120.00
ACCX	38.91					
SSTAT	38.49		NEU-lithogearhart (2017)	5.65	3.50	85.00
PSTAT	37.66					
ASTAT	37.66					
GRD	36.82					
TEMP	36.82		ADT1LITH-A (1) Admyr Litho Density Tool	9.29	3.50	240.00
NEU	33.46					
LStat	24.30					
LS8	23.64					
LS7	23.64					
LS6	23.64					
LS5	23.64					
LS4	23.64		DIL-G (5375) Gearhart	21.47	4.00	345.00
LS3	23.64					
LS2	23.64					
LS1	23.64					
LSV	23.64					
LSD	23.62					
SSV	23.43					
SS8	23.43					
SS7	23.43					
SS6	23.43					
SS5	23.43					
SS4	23.43					
SS3	23.43					
SS2	23.43					
SS1	23.43					

DCAL	23.37				
SSD	23.04				
SP	10.60				
CILD	10.60				
CILM	6.89				
RLL3	1.70				
TR_Mon	0.00				
Dataset: joffinney1oh.db: field/well/run1/pass2.1 Total length: 41.49 ft Total weight: 791.00 lb O.D.: 4.00 in					