



DUAL INDUCTION LOG

Company Triple Crown Operating, LLC.

Well Cox #1-35

Field Unnamed

County Ness State Kansas

Location: API #: 15 135 26041

451' FSL & 1718' FWL
NE-SW-SE-SW

SEC 35 TWP 20S RGE 22W

Permanent Datum Ground Level Elevation 2164'
Log Measured From KB 7' AGL
Drilling Measured From KB

Other Services
CDNL
ML

Elevation

K.B. 2171'
D.F. 2170'
G.L. 2164'

Date 12-23-18

Run Number One

Depth Driller 4334'

Depth Logger 4334'

Bottom Logged Interval 4332'

Top Log Interval 1350'

Casing Driller 8 5/8" @ 1372'

Casing Logger 1372'

Bit Size 7 7/8"

Type Fluid in Hole Chemical

Density / Viscosity 9.3/5.4

pH / Fluid Loss 9.0/9.2

Source of Sample Pit

Rm @ Meas. Temp 1.5@62degf

Rmf @ Meas. Temp 1.13@62degf

Rmc @ Meas. Temp 1.8@62degf

Source of Rmf / Rmc Calculated

Rm @ BHT 0.78@120degf

Time Circulation Stopped 1:30 a.m.

Time Logger on Bottom 6:17 a.m.

Maximum Recorded Temperature 120degf

Equipment Number T127

Location Hays, KS

Recorded By C. Patterson

Witnessed By Mr. Sean Deenihan

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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

West side of Bazine, KS DD Rd.(Austin St.)South on DD Rd. 11mi. to 20 Rd.,
West on 20 Rd 1 mi. to CC Rd., Then south on CC Rd. for 2 mi. to Y Rd.
then west on Y Rd 1/2 mi. North into Location

Thanks for using Gemini Wireline LLC
785-625-1182



MAIN PASS

Database File tccox#1-35oh.db
Dataset Pathname pass2.1
Presentation Format kdi11nn
Dataset Creation Sun Dec 23 08:06:30 2018
Charted by Depth in Feet scaled 1:600

0 GR (GAPI) 150

1000 CILD (mmho/m) 0

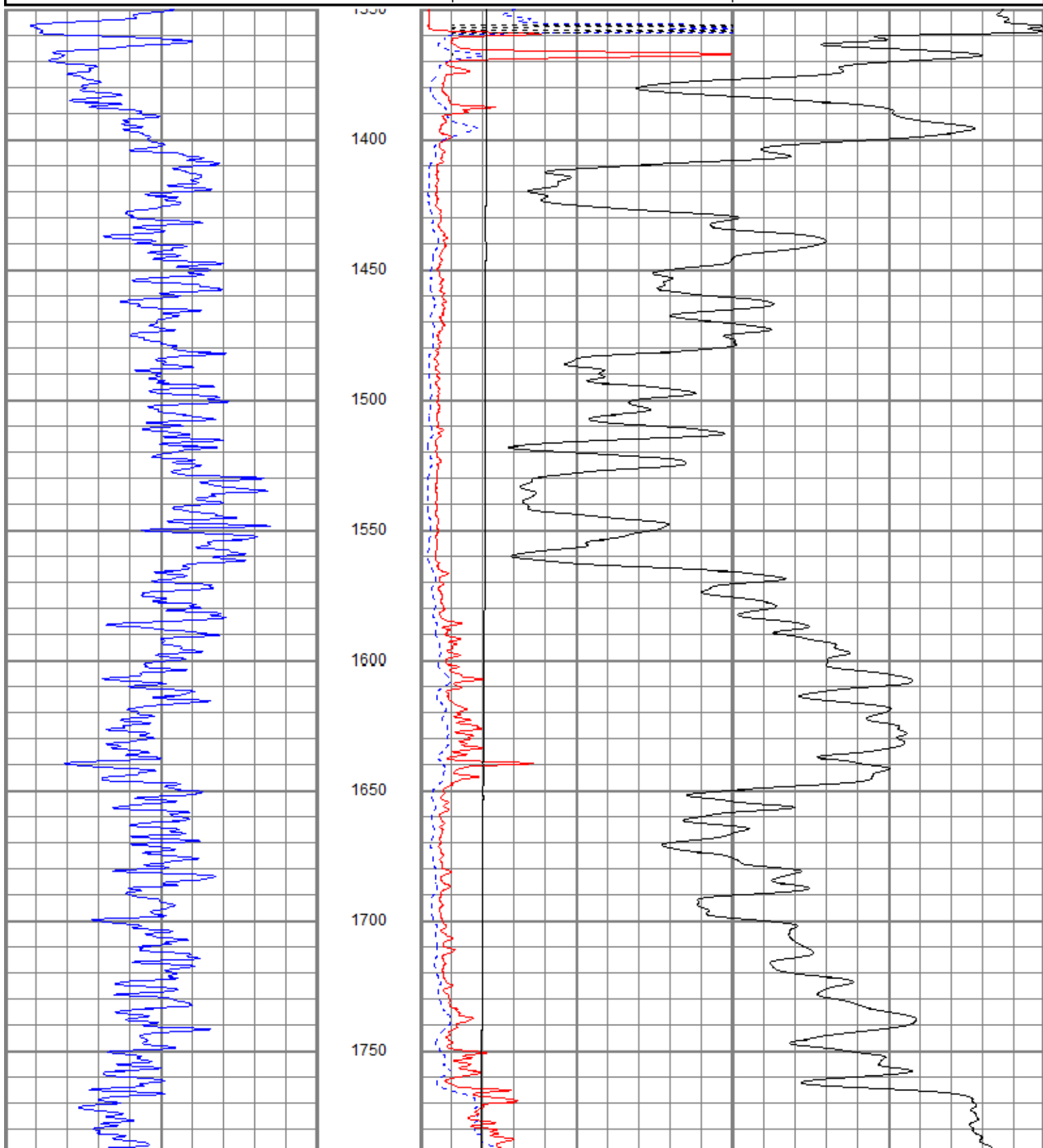
10000 LTEN (lb) 0

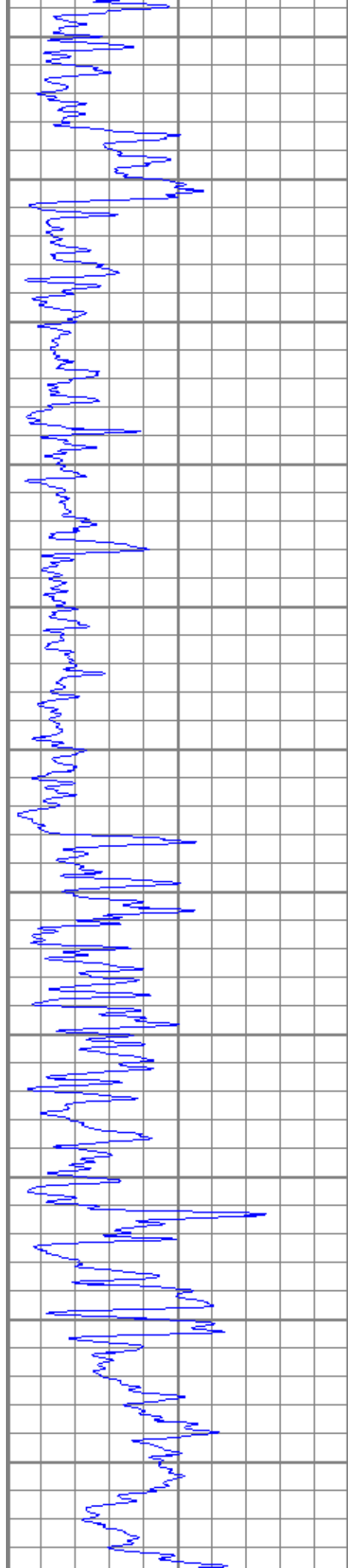
0 RILD (Ohm-m) 50

0 RLL3 (Ohm-m) 50

50 RILD x 10 (Ohm-m) 500

50 RLL3 x 10 (Ohm-m) 500





1800

1850

1900

1950

2000

2050

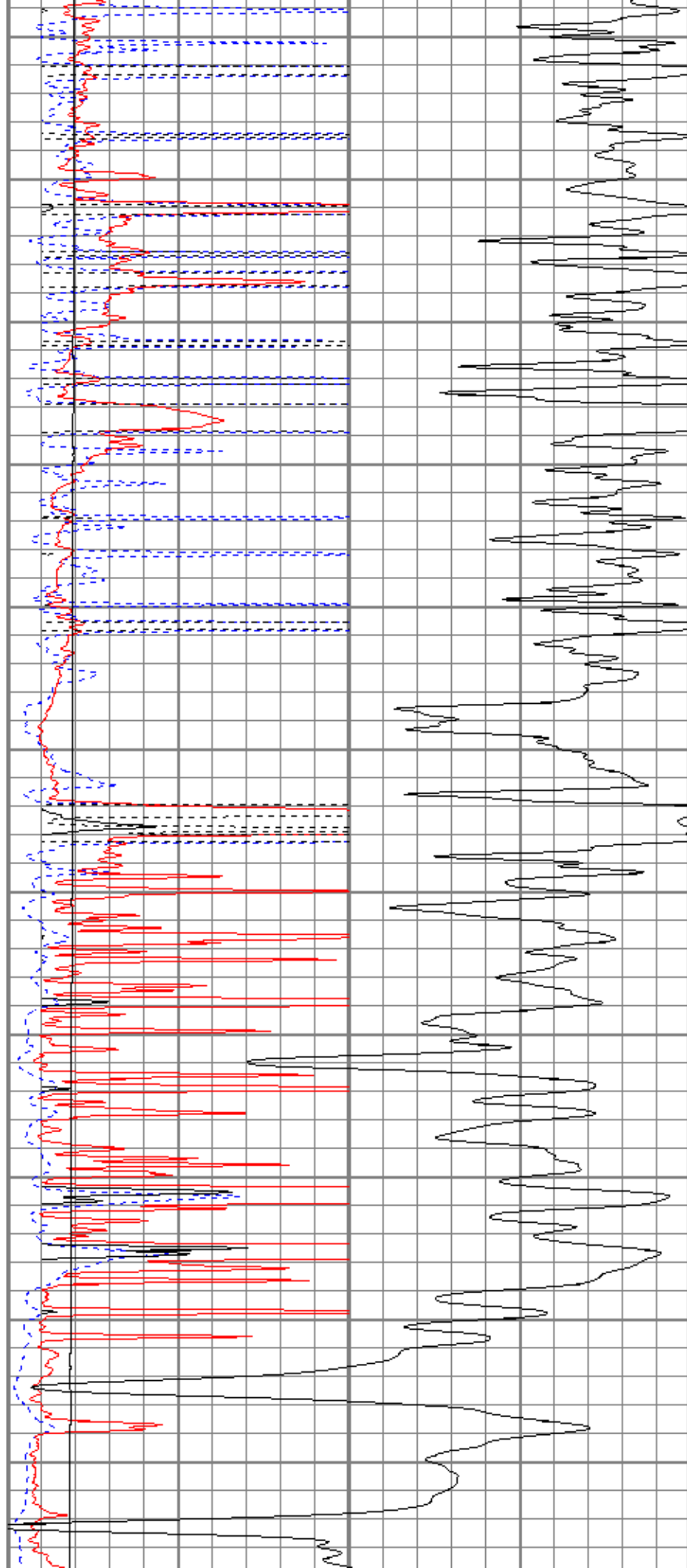
2100

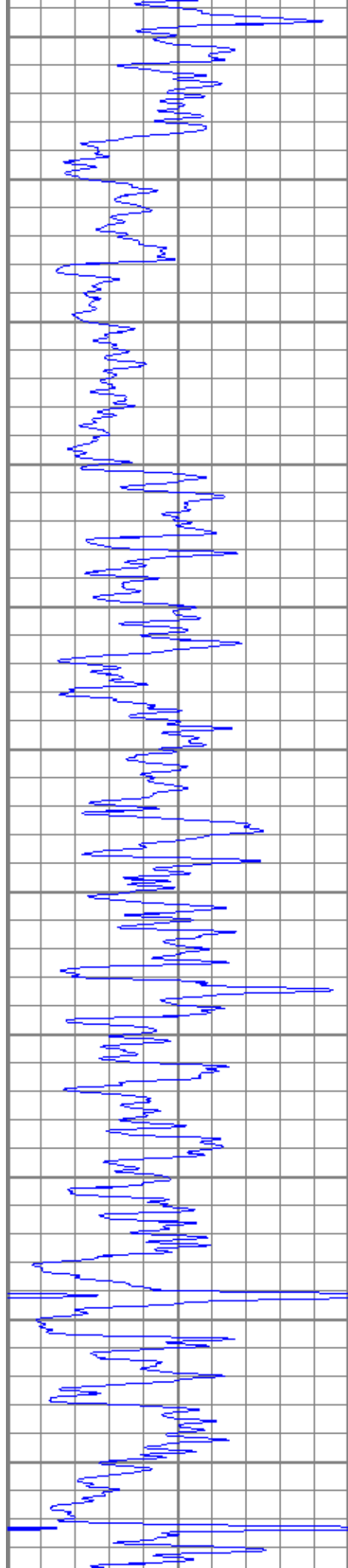
2150

2200

2250

2300





2350

2400

2450

2500

2550

2600

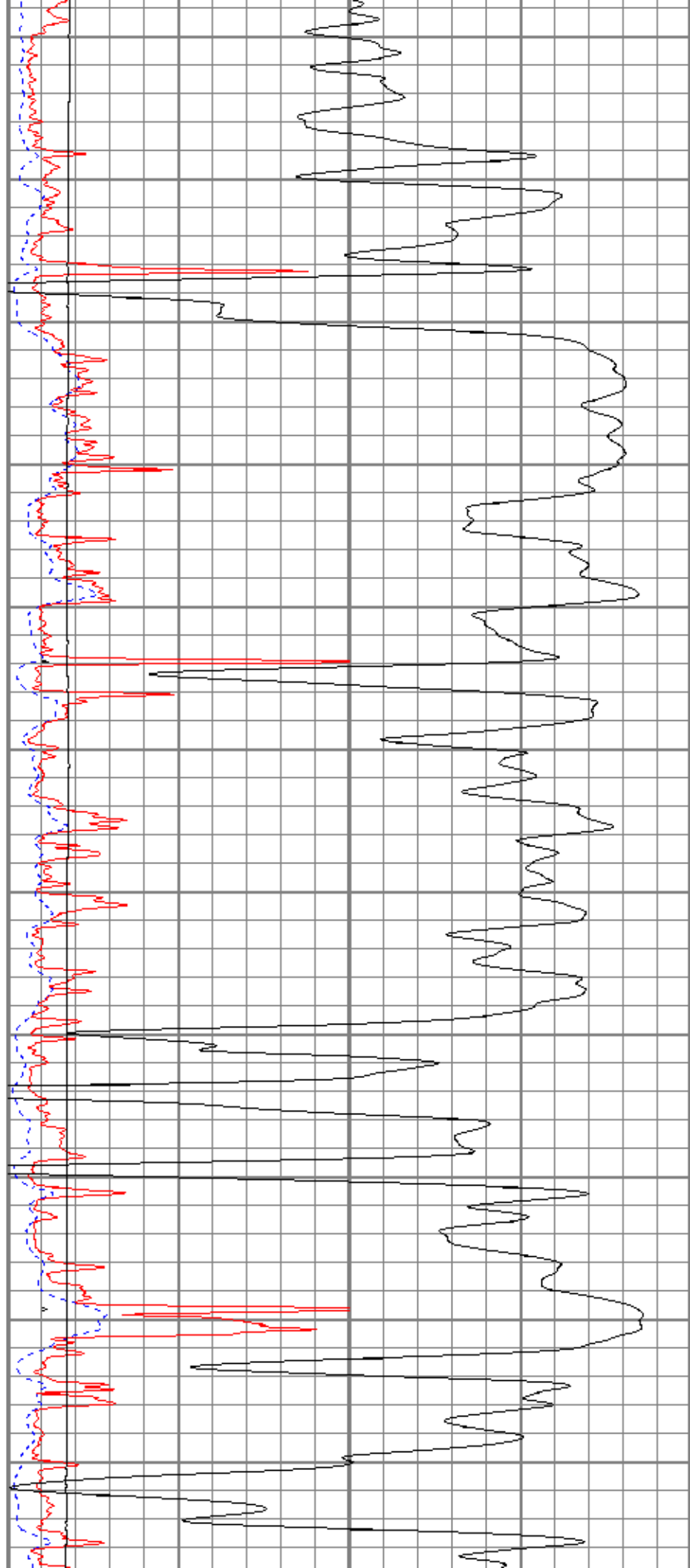
2650

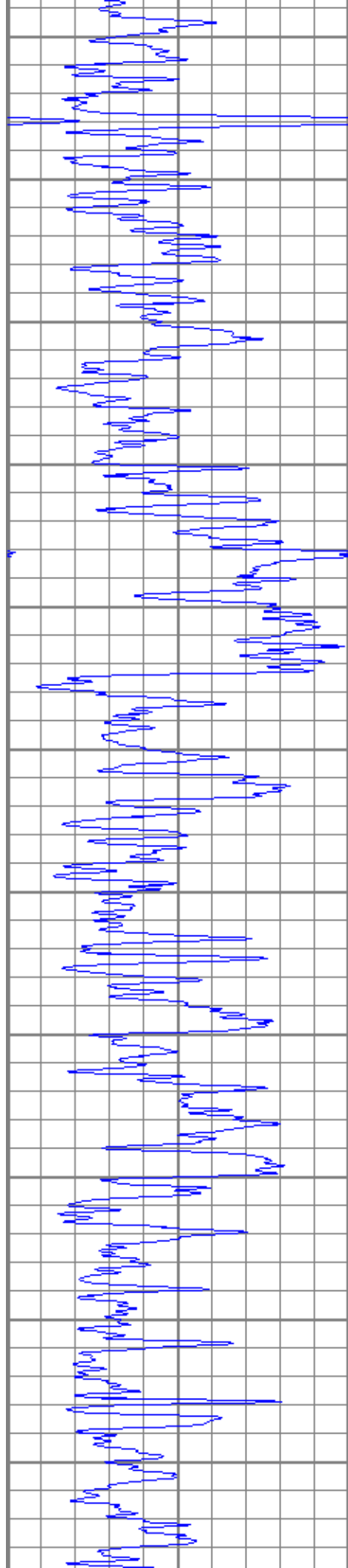
2700

2750

2800

2850





2900

2950

3000

3050

3100

3150

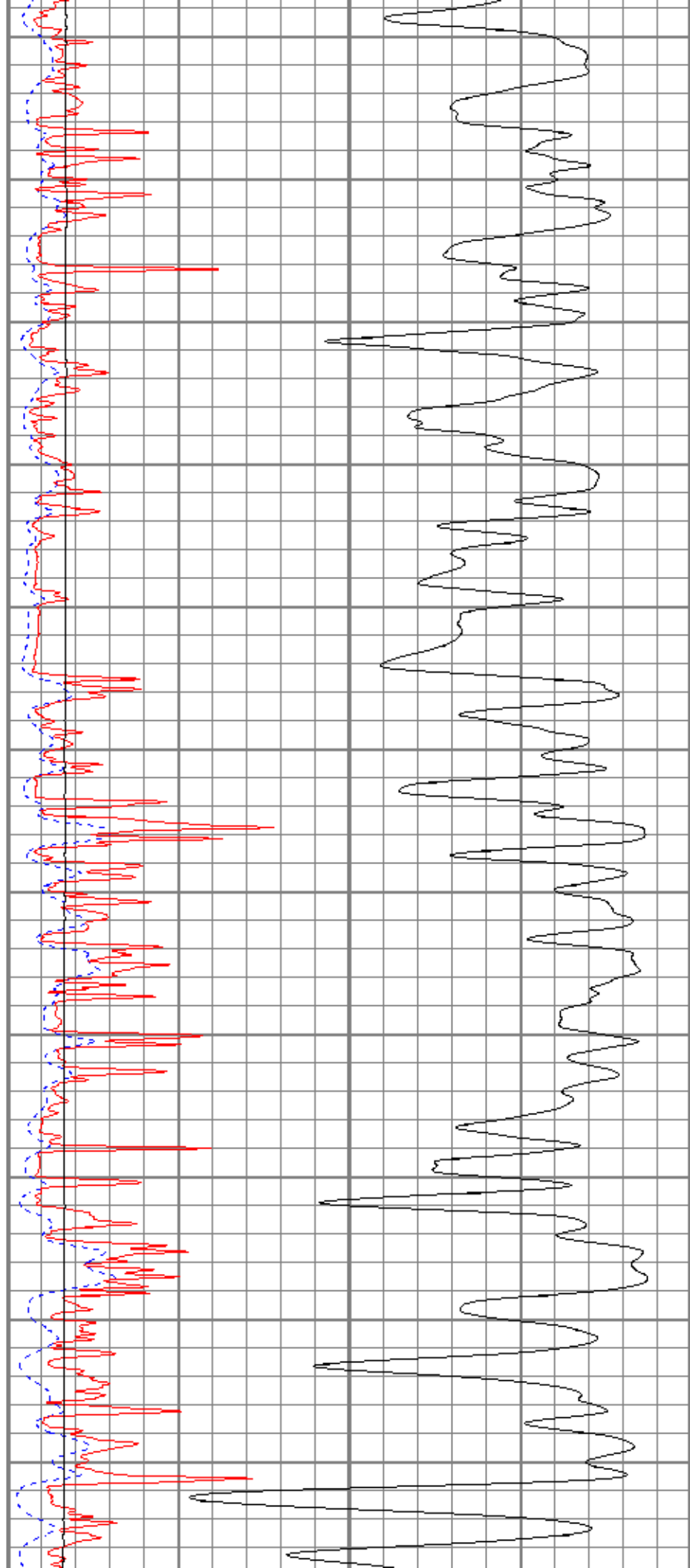
3200

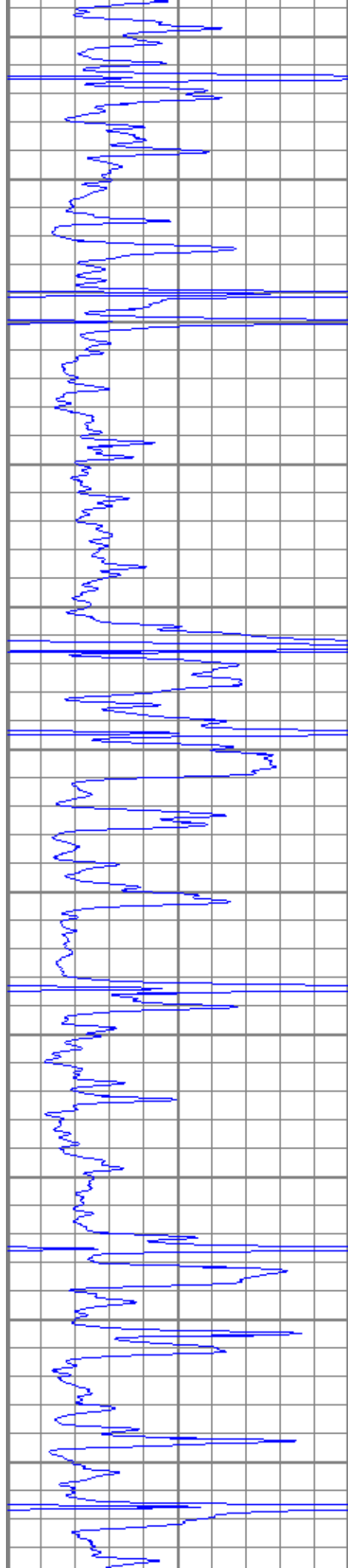
3250

3300

3350

3400





3450

3500

3550

3600

3650

3700

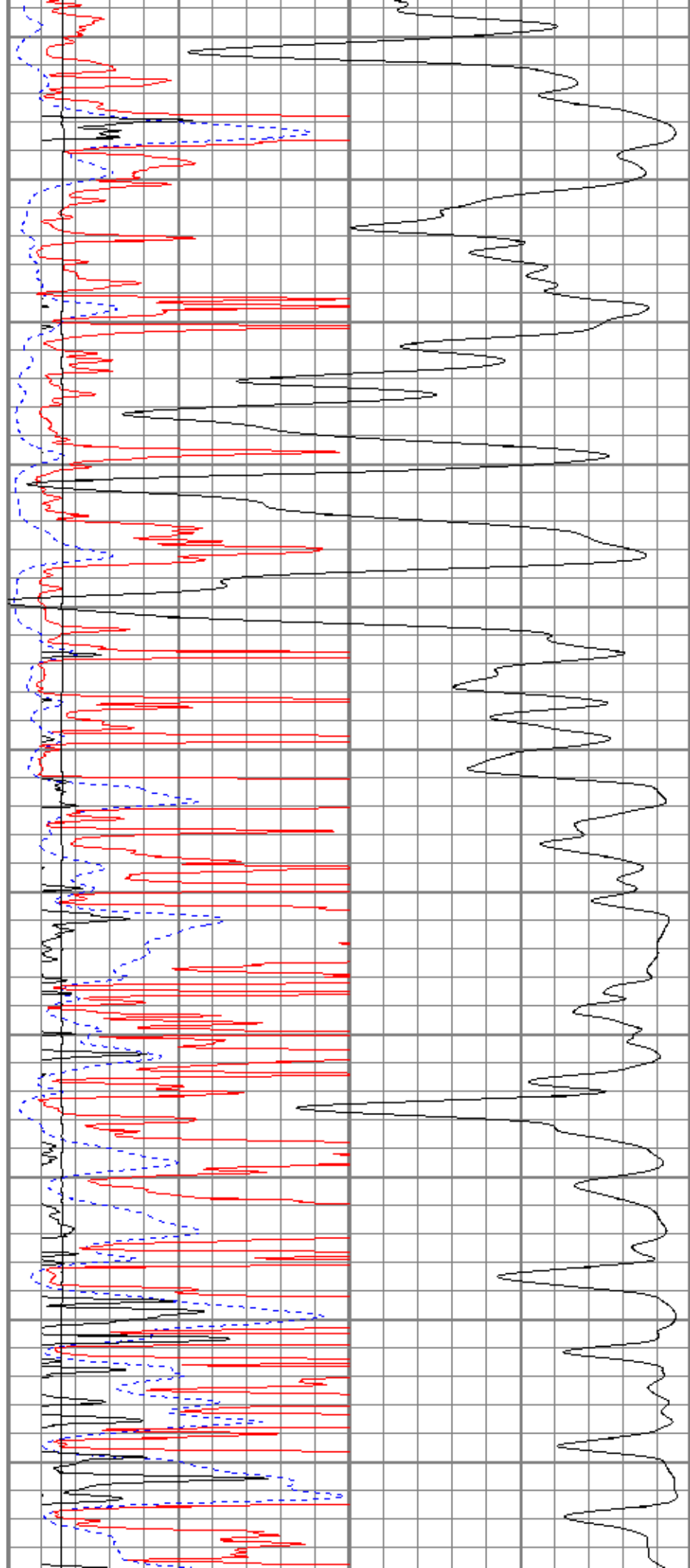
3750

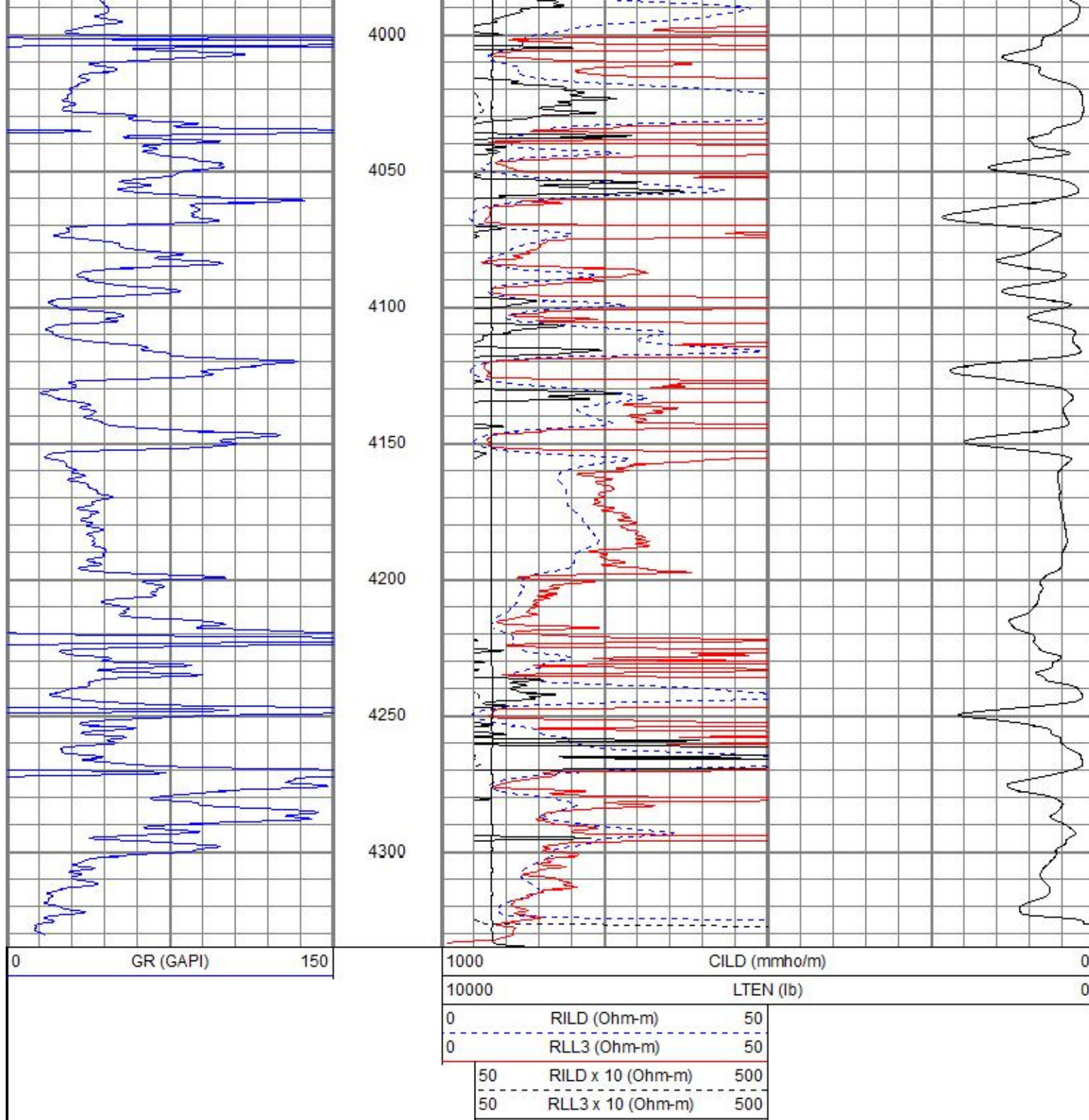
3800

3850

3900

3950

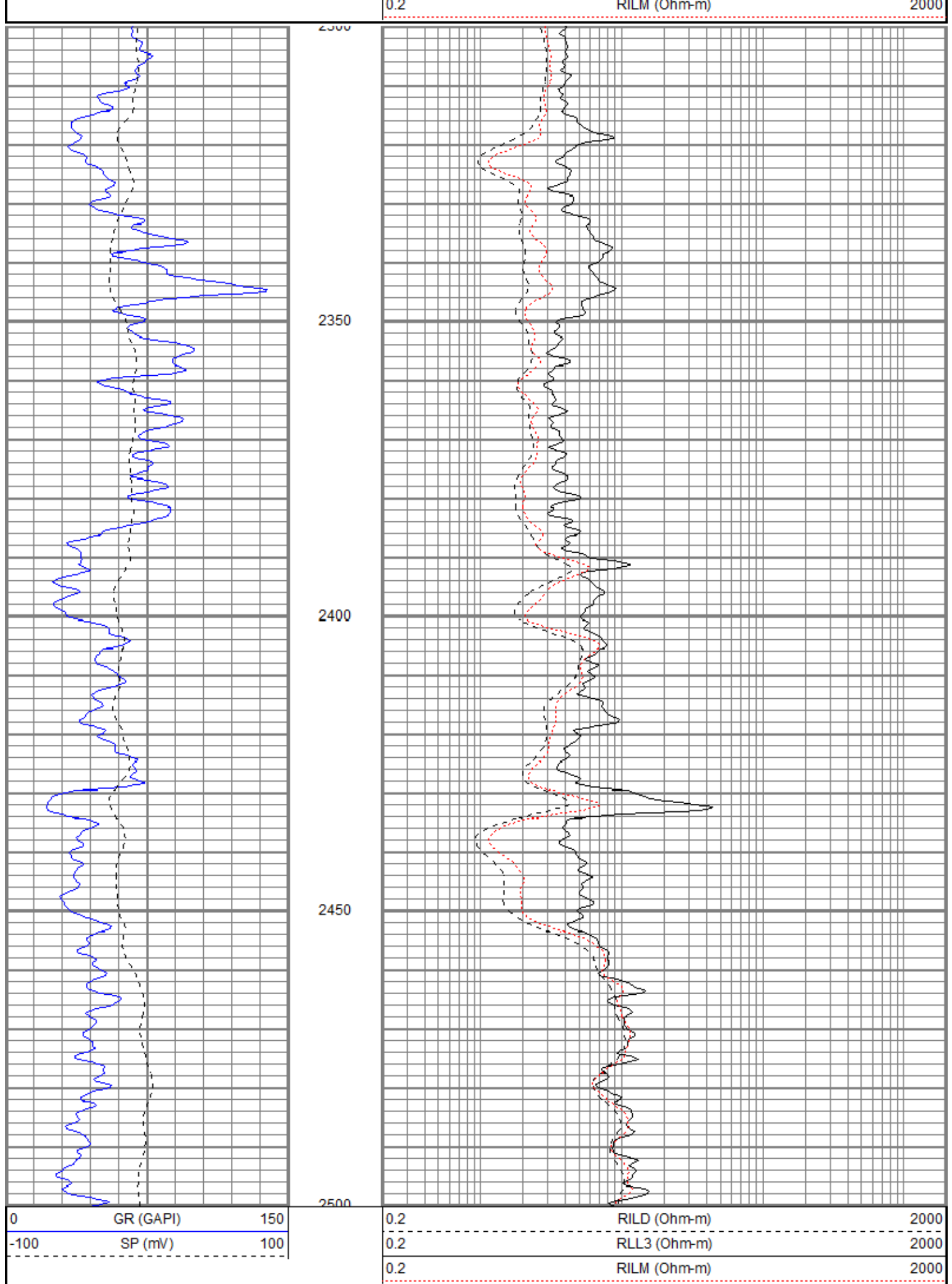




MAIN PASS

Database File tccox#1-35oh.db
 Dataset Pathname pass2.1
 Presentation Format kdil
 Dataset Creation Sun Dec 23 08:06:30 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



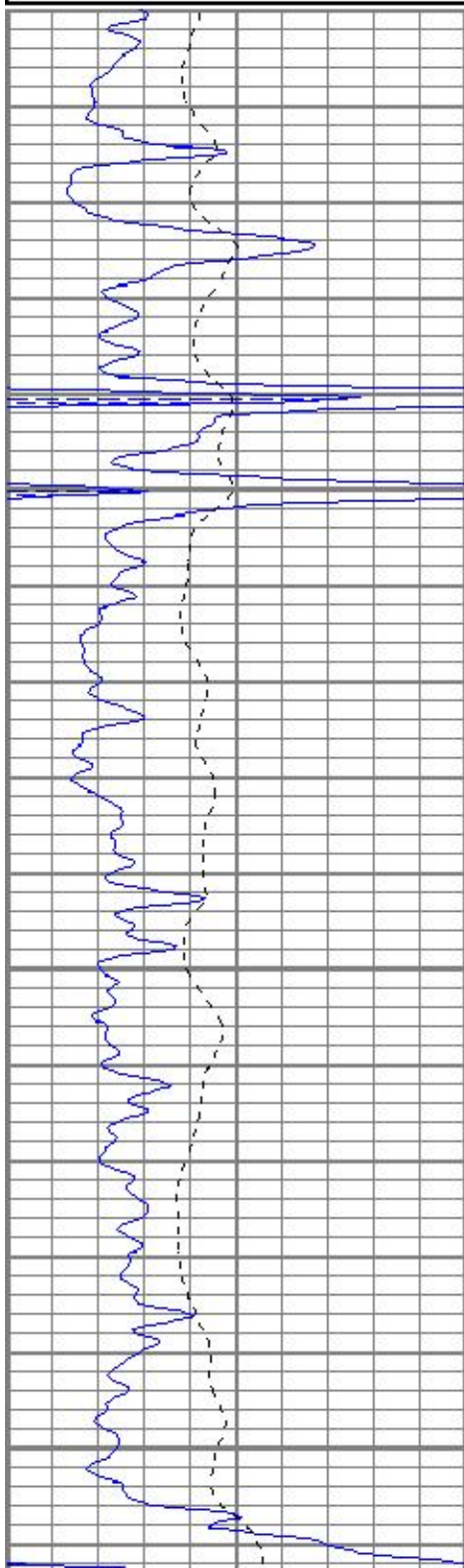


MAIN PASS

Database File tccox#1-35oh.db
Dataset Pathname pass2.1
Presentation Format kdil
Dataset Creation Sun Dec 23 08:06:30 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

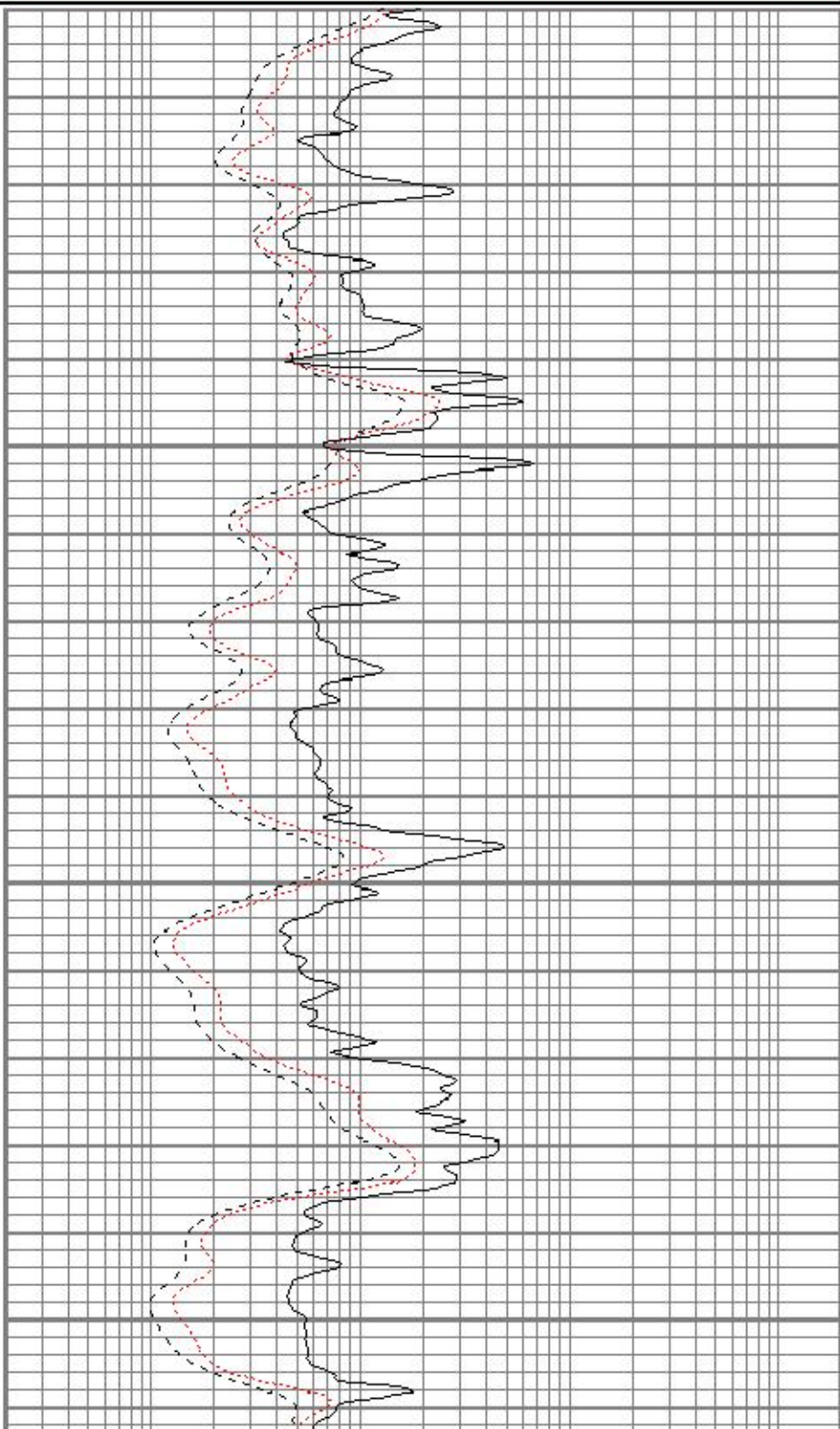


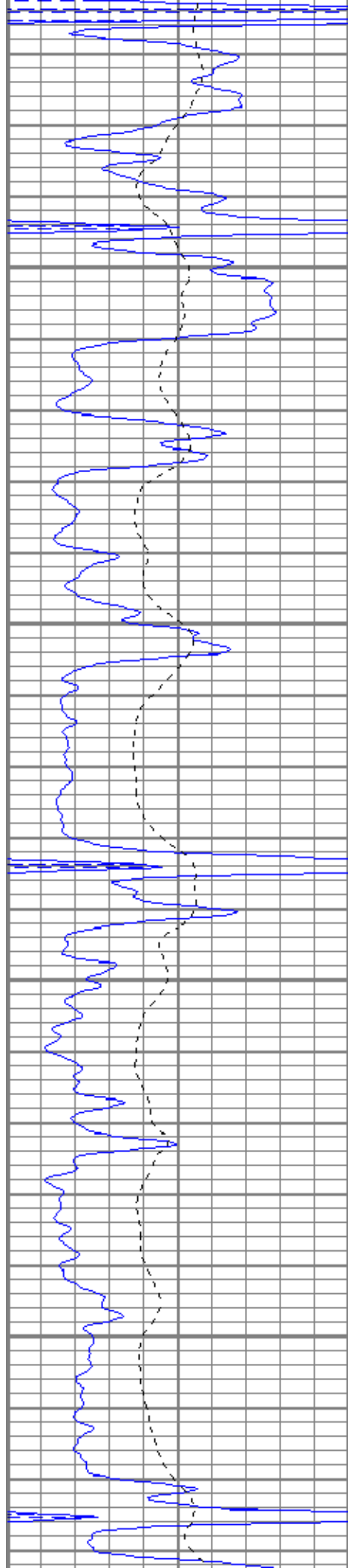
3500

3550

3600

3650



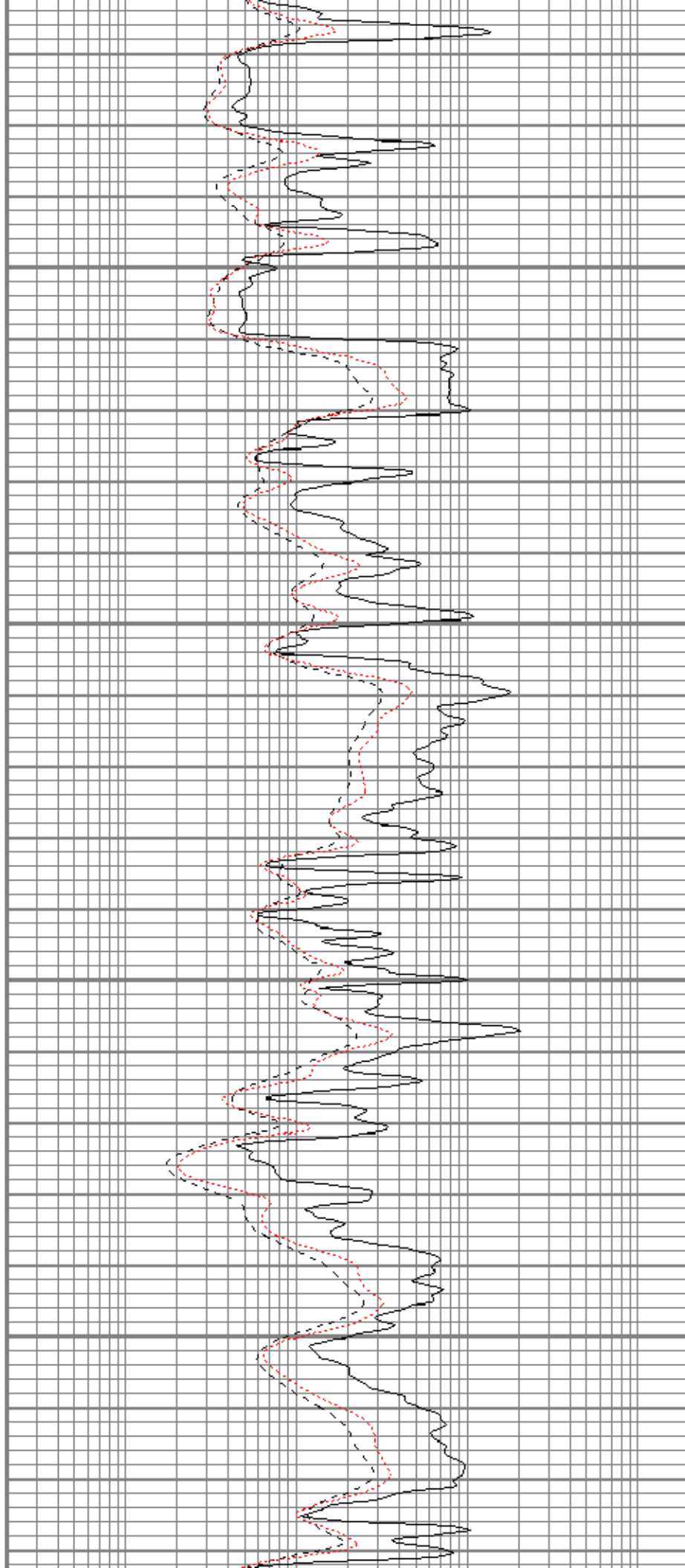


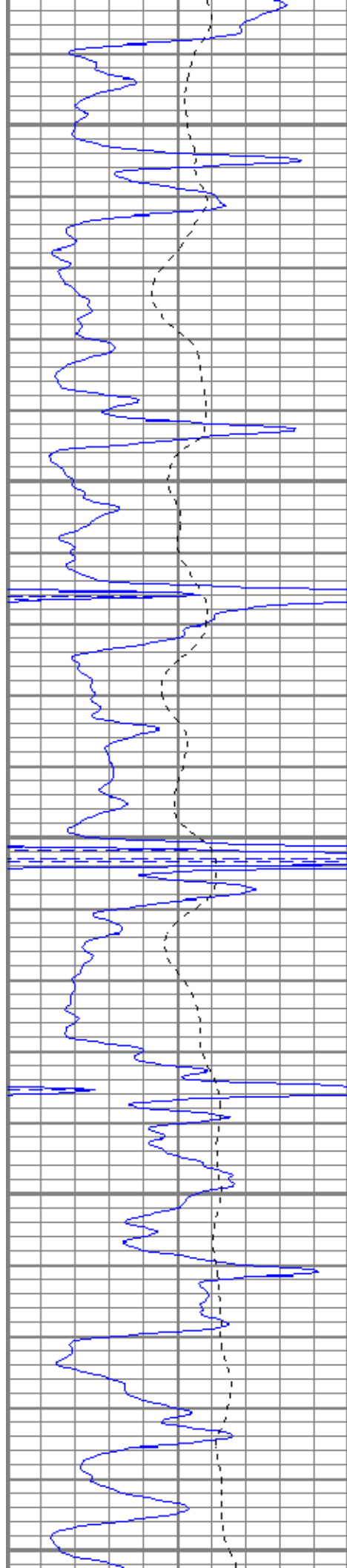
3700

3750

3800

3850





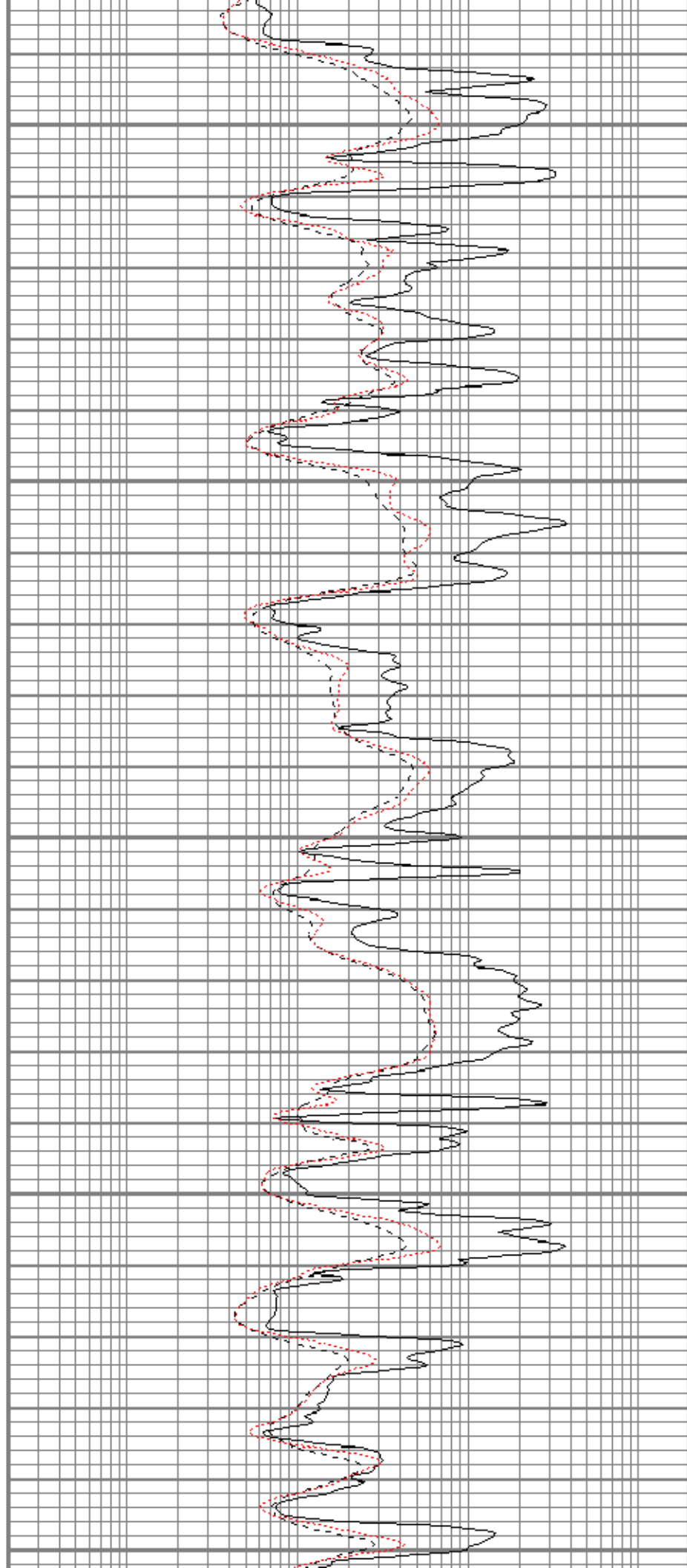
3900

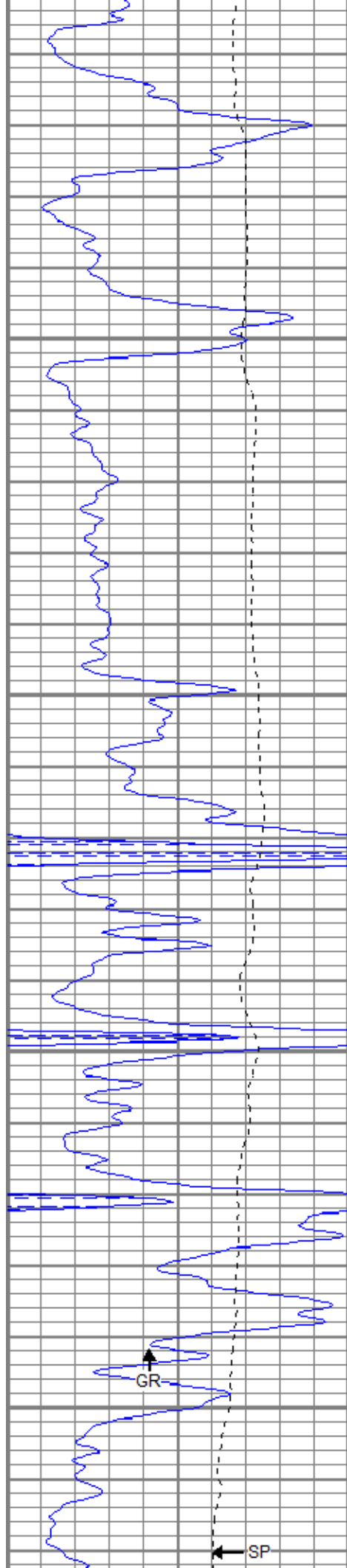
3950

4000

4050

4100





4150

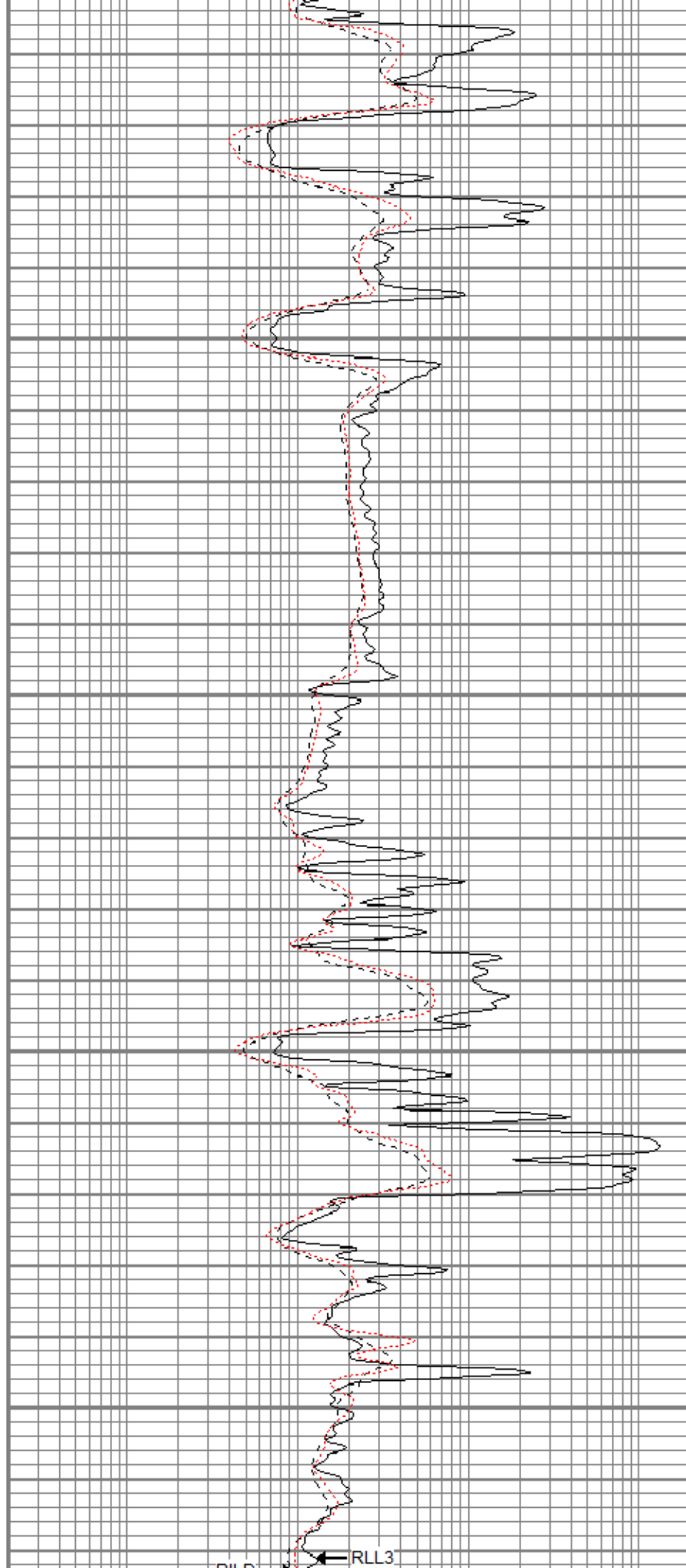
4200

4250

4300

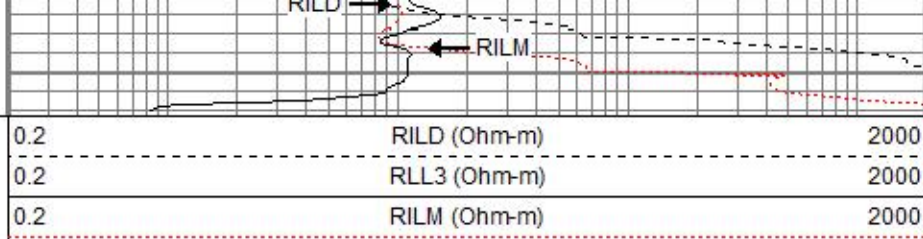
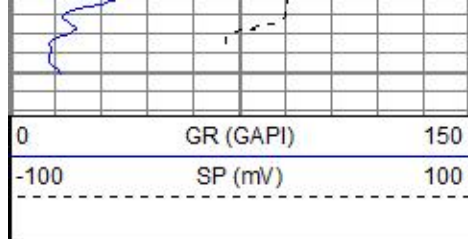
GR

SP



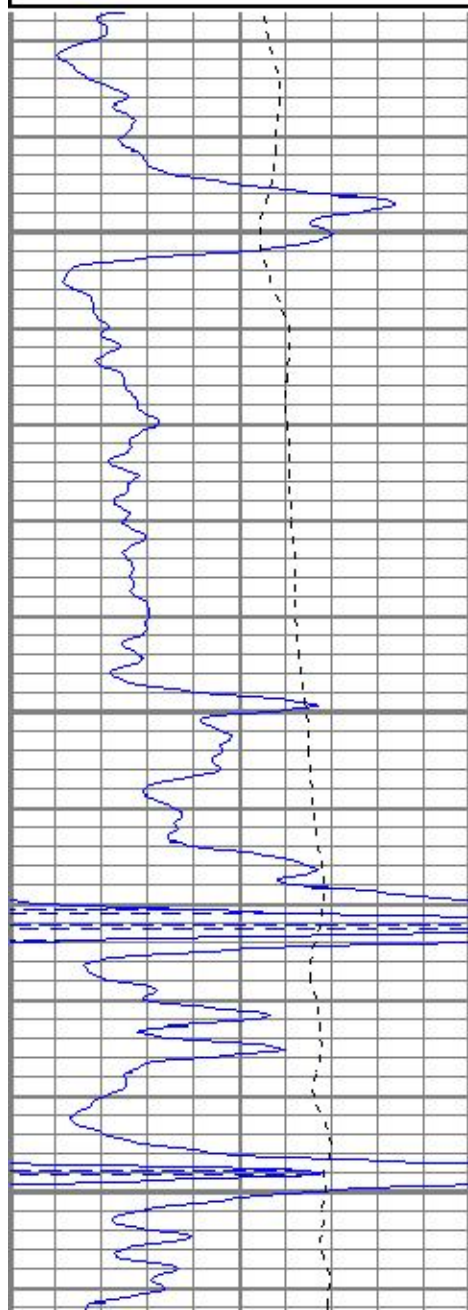
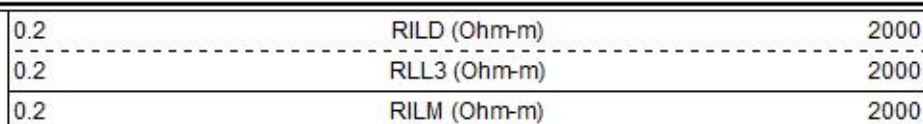
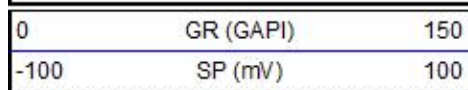
RLL3

RLL2



REPEAT SECTION

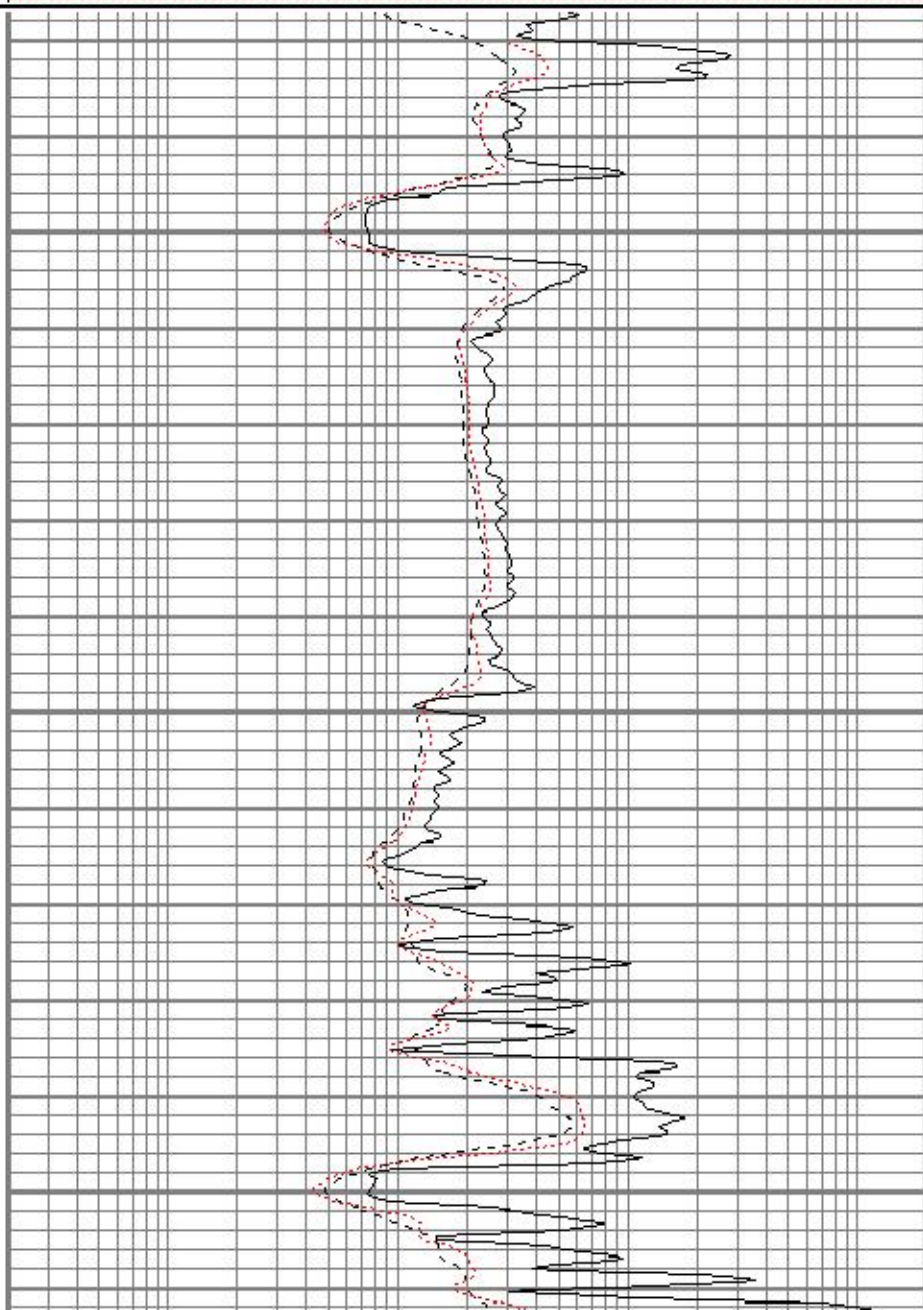
Database File: tccox#1-35oh.db
 Dataset Pathname: pass1.1
 Presentation Format: kdil
 Dataset Creation: Sun Dec 23 08:17:20 2018
 Charted by: Depth in Feet scaled 1:240

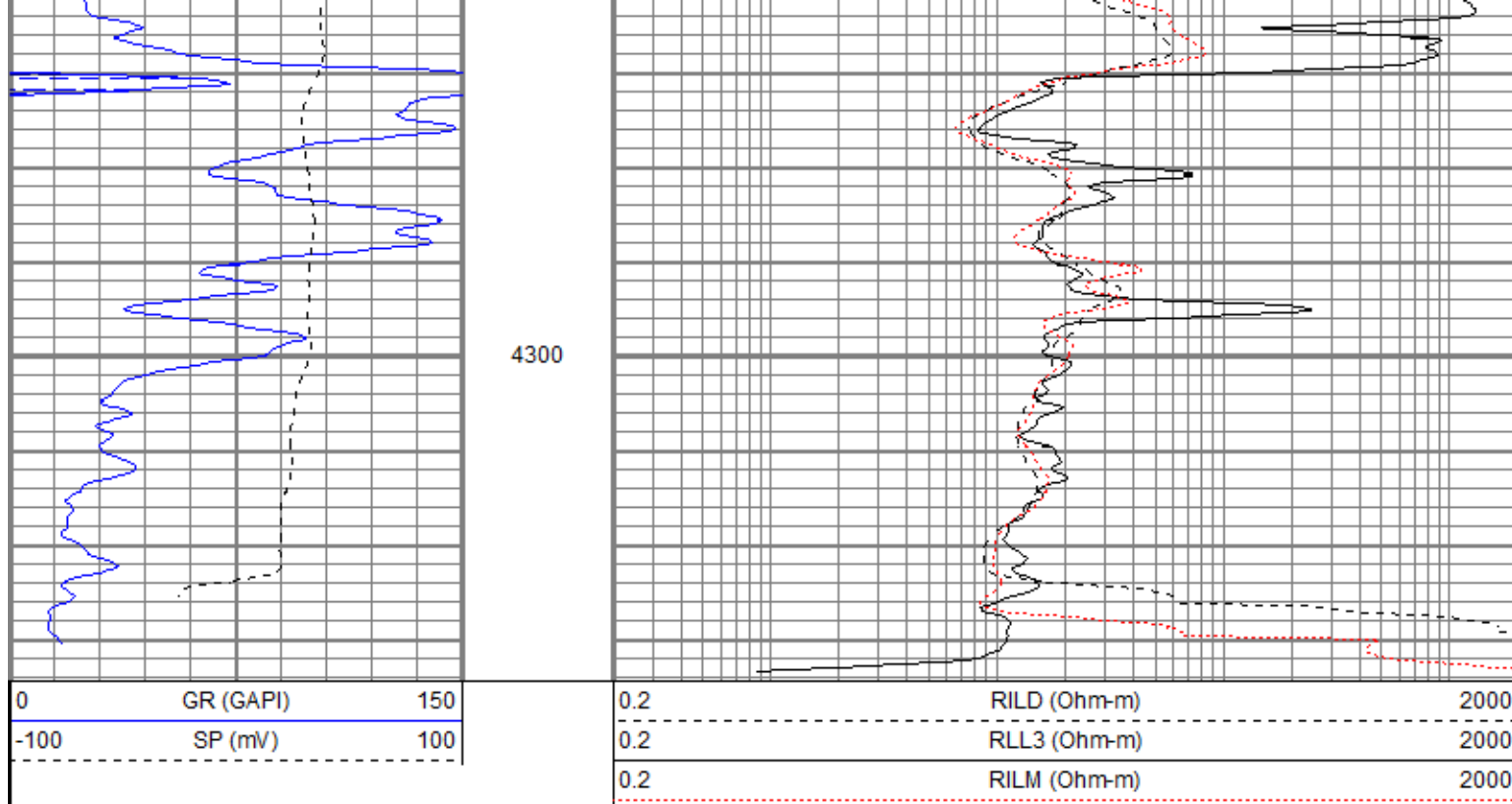


4150

4200

4250





Calibration Report										
Database File	tccox#1-35oh.db									
Dataset Pathname	pass2.1									
Dataset Creation	Sun Dec 23 08:06:30 2018									
Dual Induction Calibration Report										
Serial-Model:			5375-G							
Surface Cal Performed:			Sat Oct 10 08:33:18 2015							
Downhole Cal Performed:			Wed Dec 05 05:00:18 2018							
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	205.554	0.825		
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

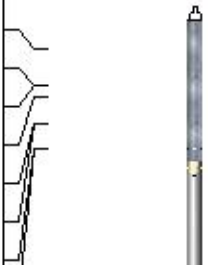
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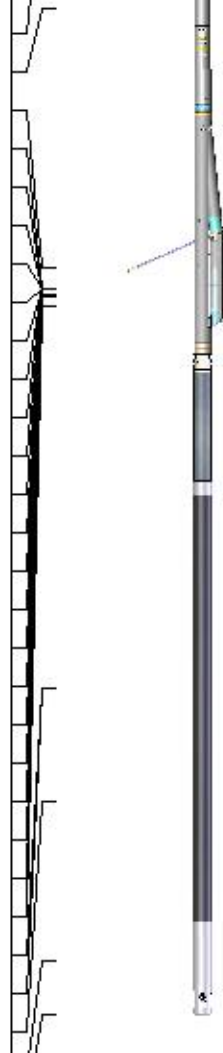
Neutron Calibration Report								
Serial Number:	AD5139							
Tool Model:	ADMY5139							
Performed:	(Not Performed)							
Calibrator Value:	1				NAPI			
Calibrator Reading:	1				cps			
Sensitivity:	1				NAPI/cps			

Temperature Calibration Report								
Serial Number:	WithMC							
Tool Model:	WMC							
Performed:	Wed Dec 05 04:54:01 2018							
		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 05 04:53:48 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:	WithMC							
Tool Model:	WMC							
Performed:	Wed Dec 05 04:58:30 2018							
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-WMC (WithMC)	4.58	3.50	120.00
ACCX	38.91		Admyr Telemetry With Mudcell			
SSTAT	38.49					
PSTAT	37.66					
ASTAT	37.66					
GRD	36.82		NEU-ADMY5139 (AD5139)	5.65	3.50	50.00

SRD	33.62		Admyer NEU DIGITAL		
TEMP	36.82				
NEU	32.76				
LStat	24.30				
LS8	23.64				
LS7	23.64				
LS6	23.64		ADT1LITH-A (1) Admyr Litho Density Tool		
LS5	23.64				
LS4	23.64				
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		DIL-G (5375) Gearhart		
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	Dataset: tccox#1-35oh.db: field/well/run1/pass2.1 Total length: 41.49 ft Total weight: 756.00 lb O.D.: 4.00 in			
TR_Mon	0.00				
		9.29	3.50	240.00	
		21.47	4.00	345.00	