



DUAL INDUCTION LOG

Company	Mikol Oil LLC.	Company	Mikol Oil LLC.
Well	Joy-Staab #1-28	Well	Joy-Staab #1-28
Field	Koblitz West	Field	Koblitz West
County	Ellis	County	Ellis
State	Kansas	State	Kansas
Location:	API #: 15 051 26948		
	120' FNL & 1865' FWL		
Permanent Datum	SEC 28	TWP 12S	RGE 18W
Log Measured From	Ground Level	Elevation	2162'
Drilling Measured From	KB 8' AGL	Other Services	CDNL ML
	KB	Elevation	K.B. 2170' D.F. 2169' G.L. 2162'
Date	5-04-18		
Run Number	One		
Depth Driller	3786'		
Depth Logger	3783'		
Bottom Logged Interval	3781'		
Top Log Interval	200'		
Casing Driller	8 5/8" @ 223'		
Casing Logger	223'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	8.9/49		
pH / Fluid Loss	9.4/9.0		
Source of Sample	Pit	Chlorides	8000ppm
Rm @ Meas. Temp	0.8@72degf		
Rmf @ Meas. Temp	0.6@72degf		
Rmc @ Meas. Temp	0.96@72degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	0.53@106degf		
Time Circulation Stopped	4:15 a.m		
Time Logger on Bottom	6:10 a.m		
Maximum Recorded Temperature	106degf		
Equipment Number	T605		
Location	Hays, KS		
Recorded By	C. Patterson		
Witnessed By	Mr. Marc Downing		

<<< Fold Here >>>

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

North 183 to Locus Grove Rd., West 1/2 mi. South Into

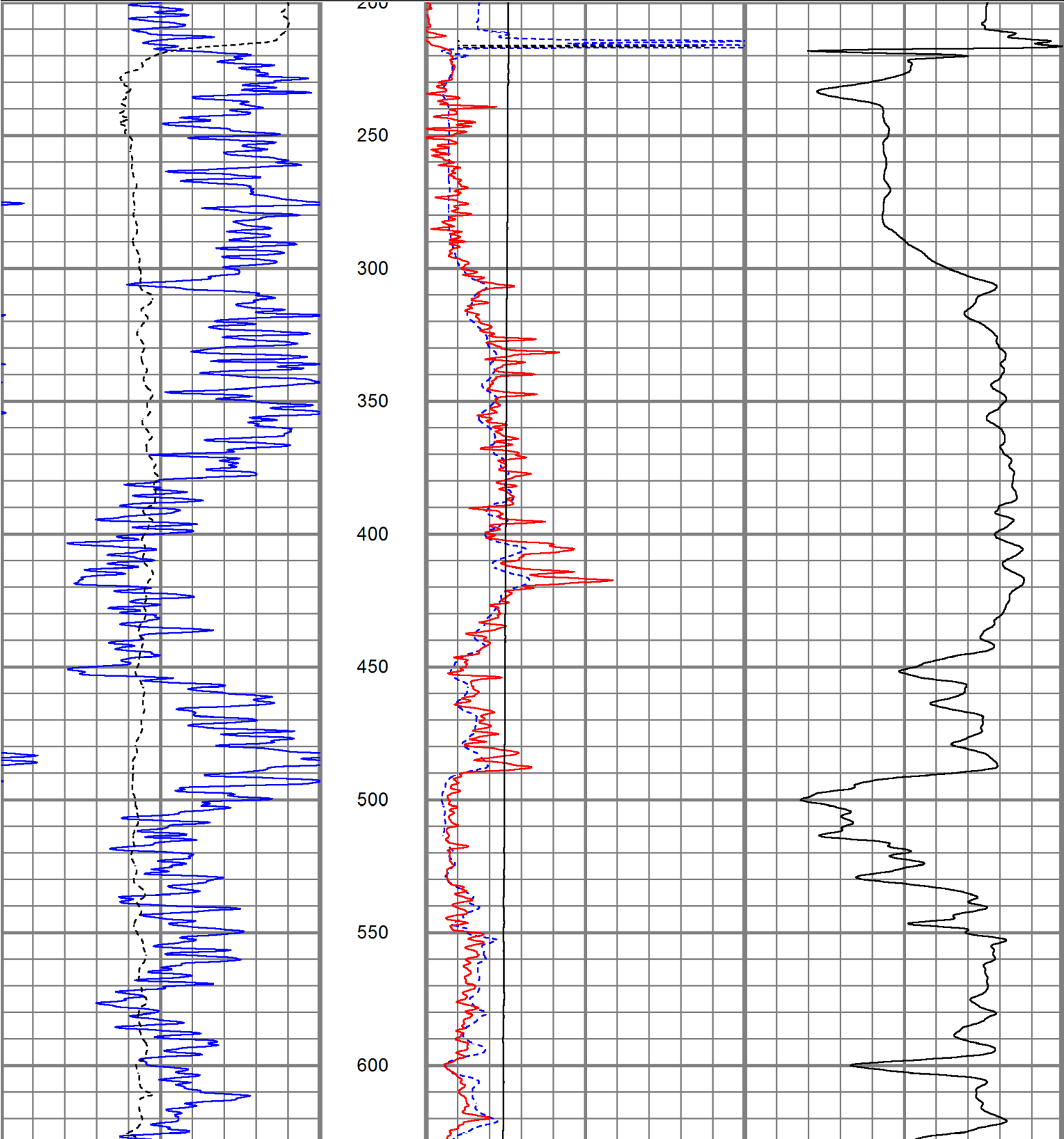
Thank You For Using Gemini Wireline, LLC
785-625-1182

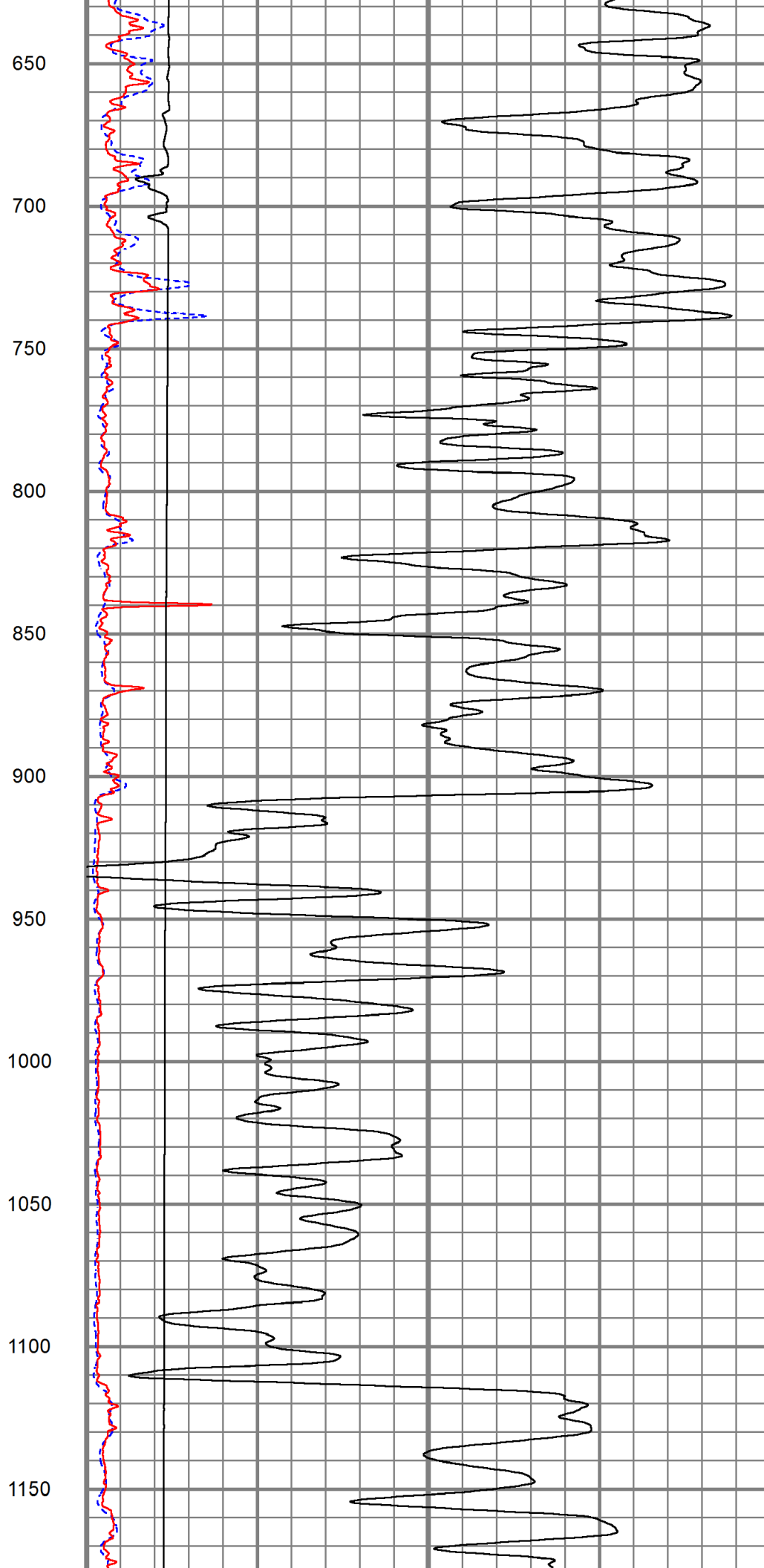
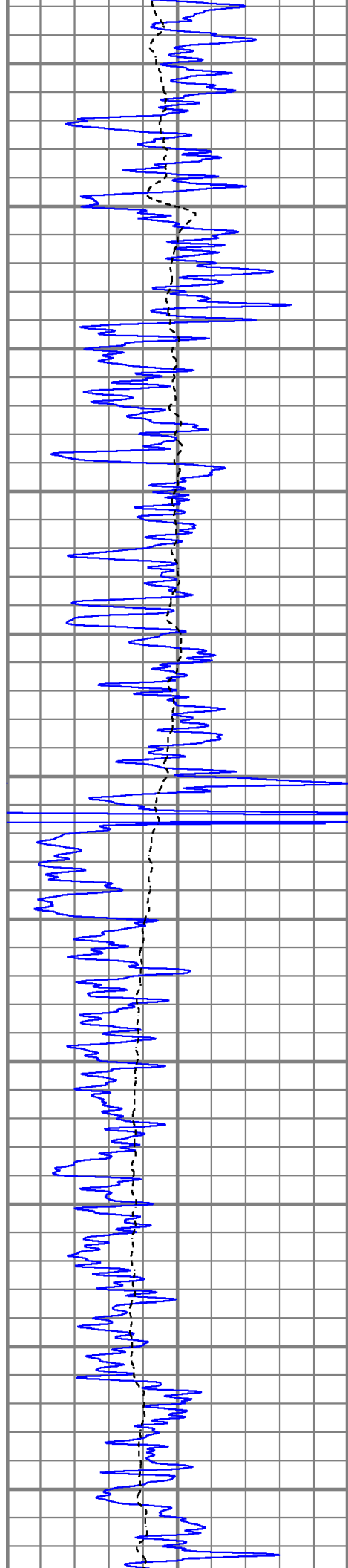


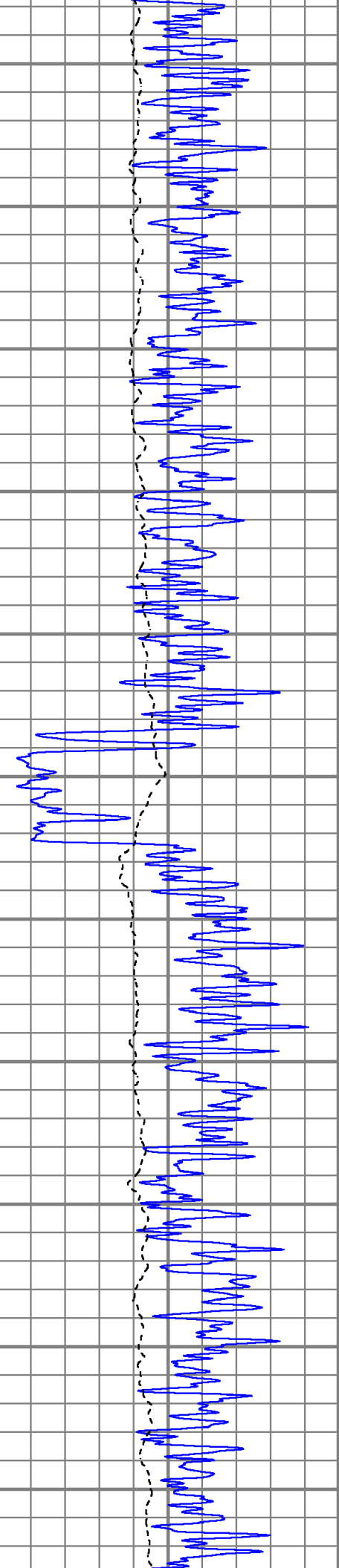
MAIN PASS

Database File	mojoy-staab#1-28oh.db
Dataset Pathname	pass3.1
Presentation Format	kdillinn
Dataset Creation	Sat May 04 07:24:33 2019
Charted by	Depth in Feet scaled 1:600

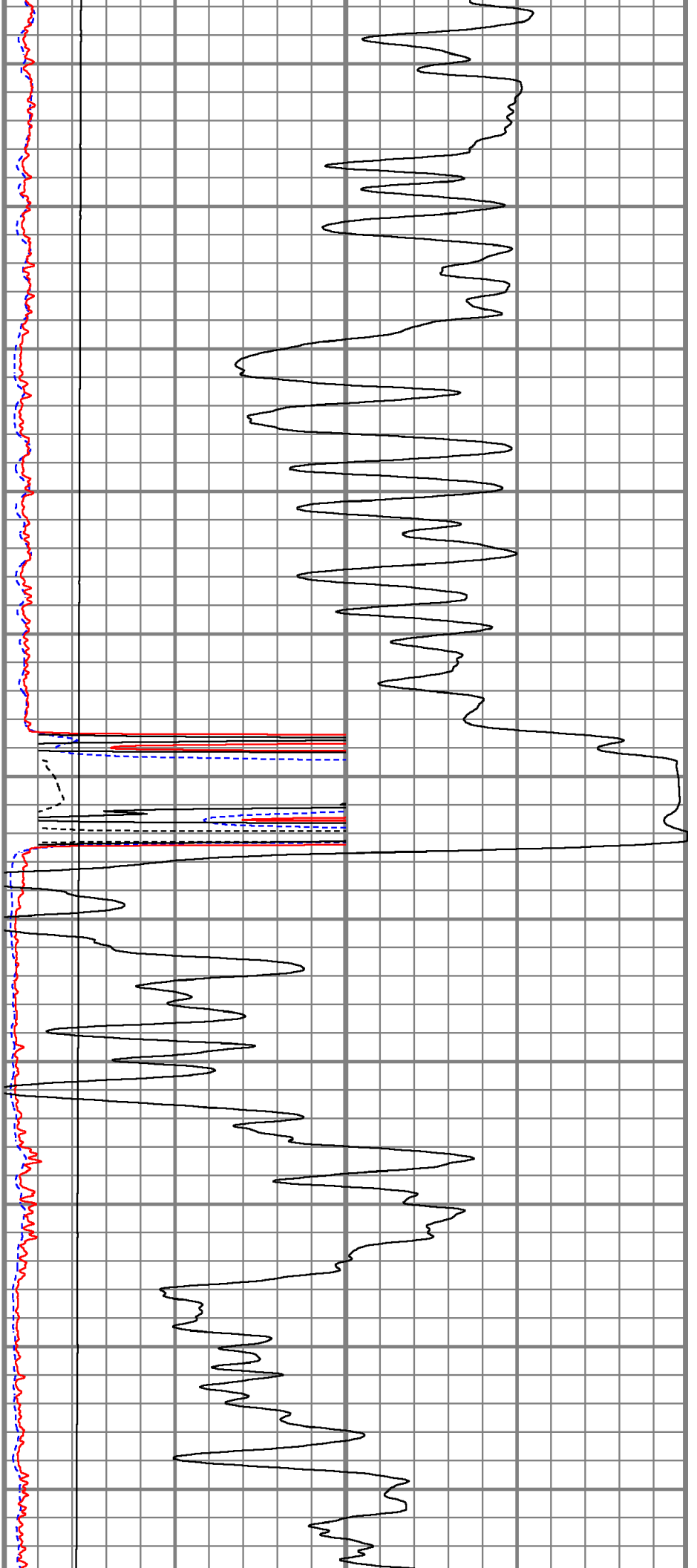
0	GR (GAPI)	150	1000	CILD (mmho/m)	0
-100	SP (mV)	100	10000	LTEN (lb)	0
			0	RILD (Ohm-m)	50
			0	RLL3 (Ohm-m)	50
			50	RILD x 10 (Ohm-m)	500
			50	RLL3 x 10 (Ohm-m)	500

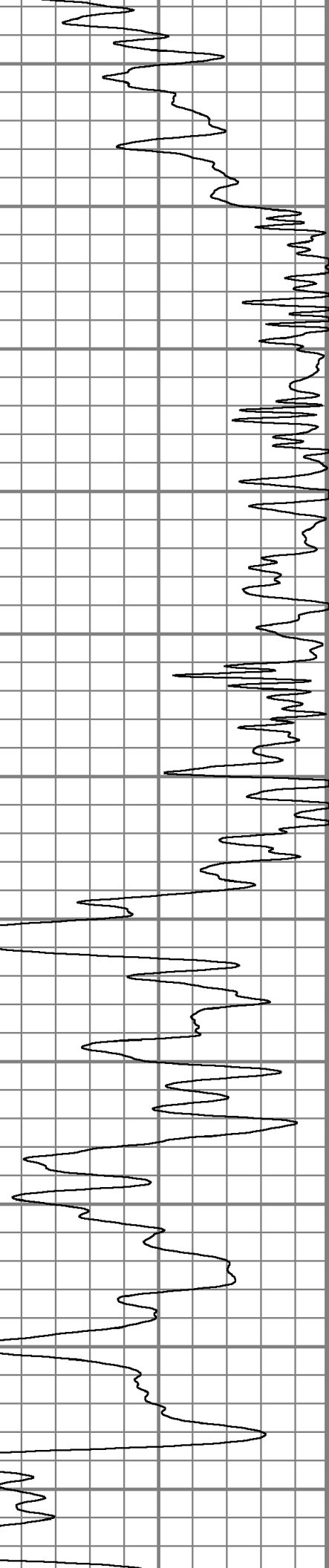
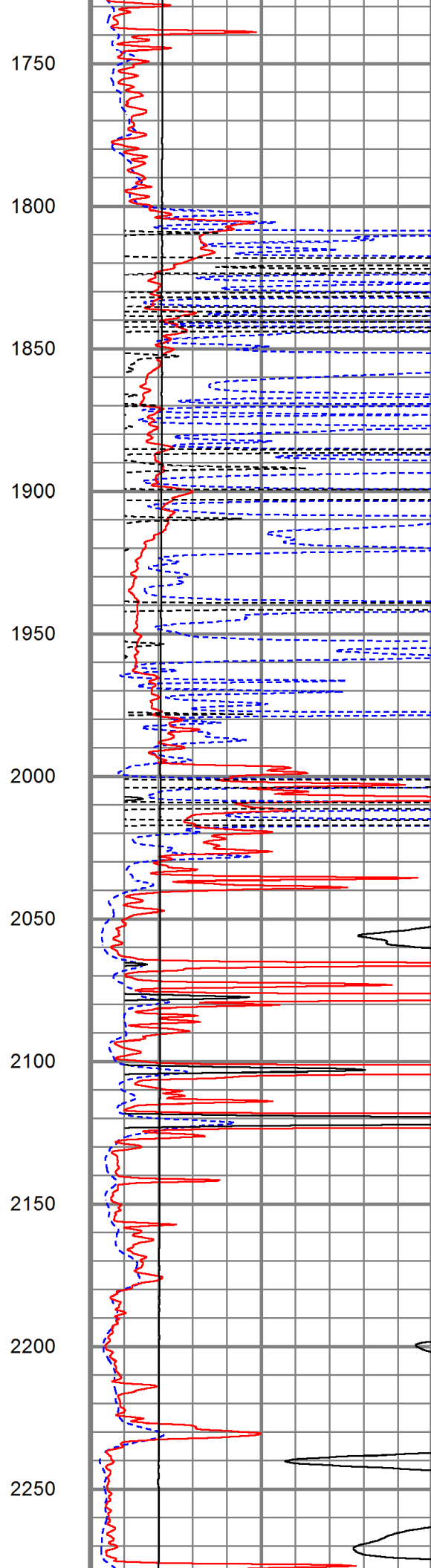
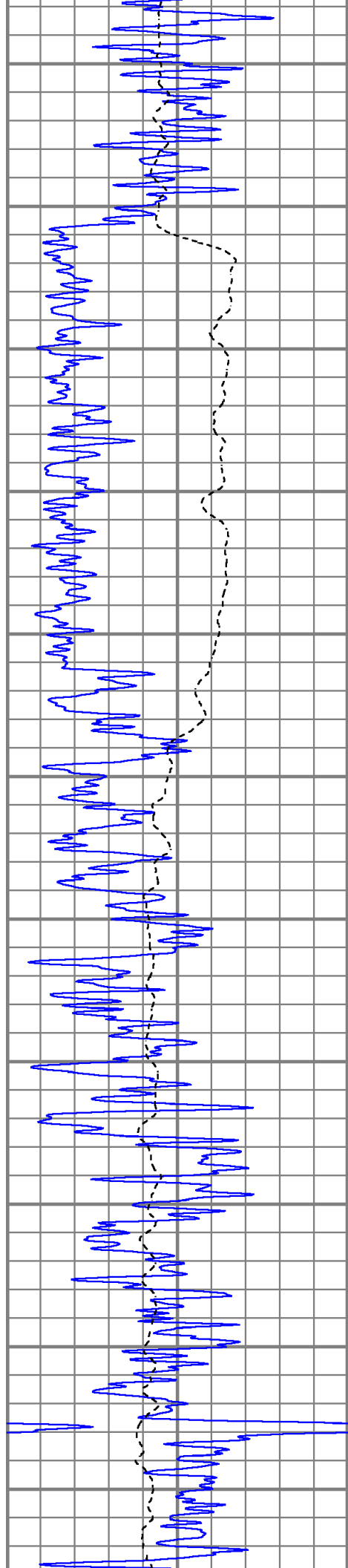


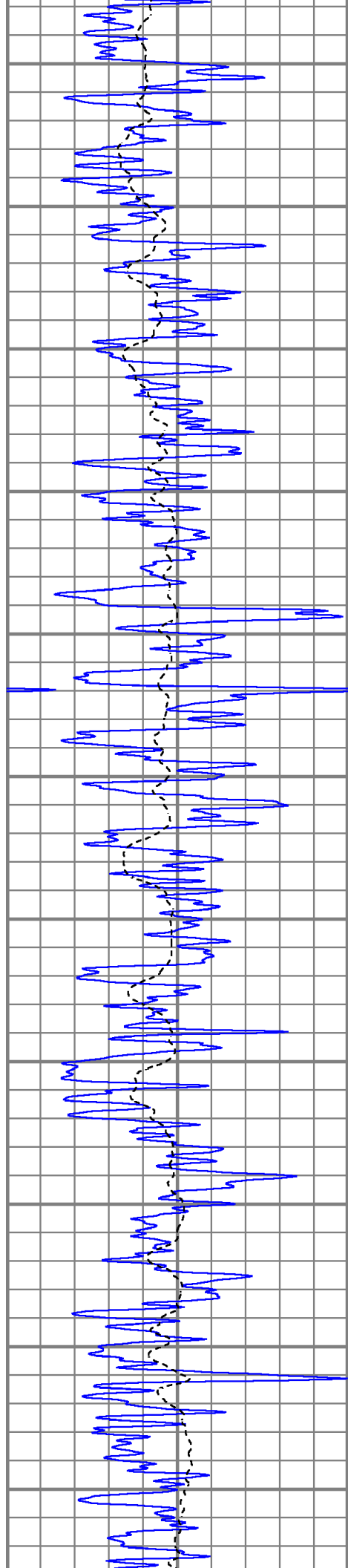




1200
1250
1300
1350
1400
1450
1500
1550
1600
1650
1700







2300

2350

2400

2450

2500

2550

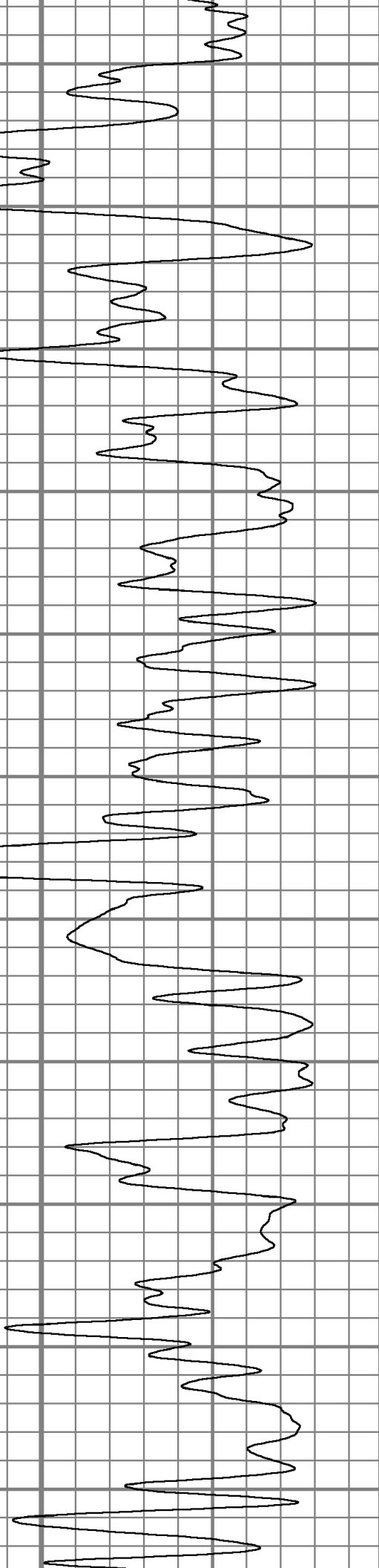
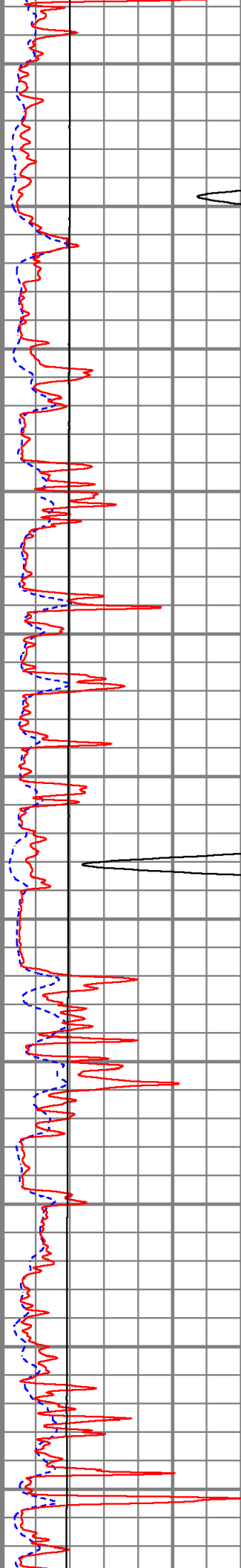
2600

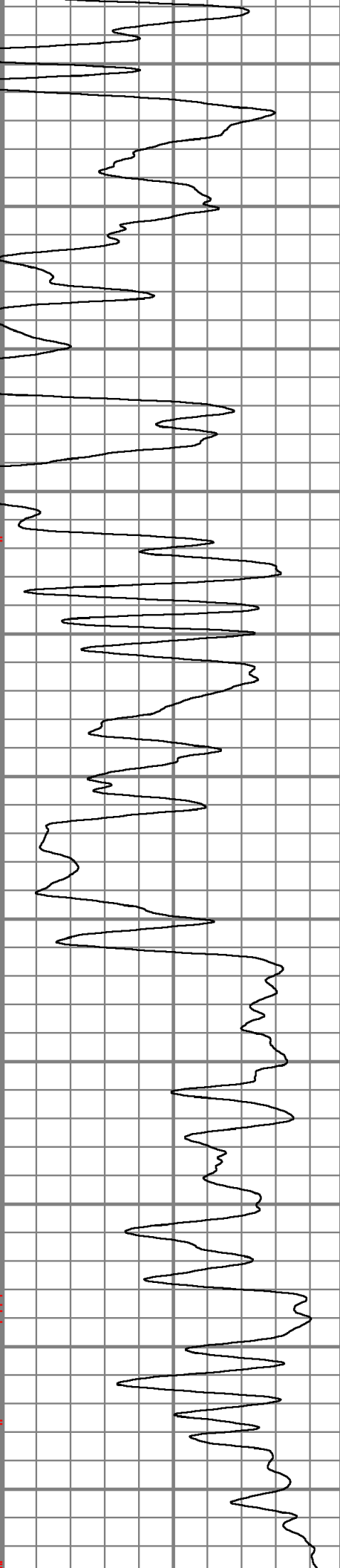
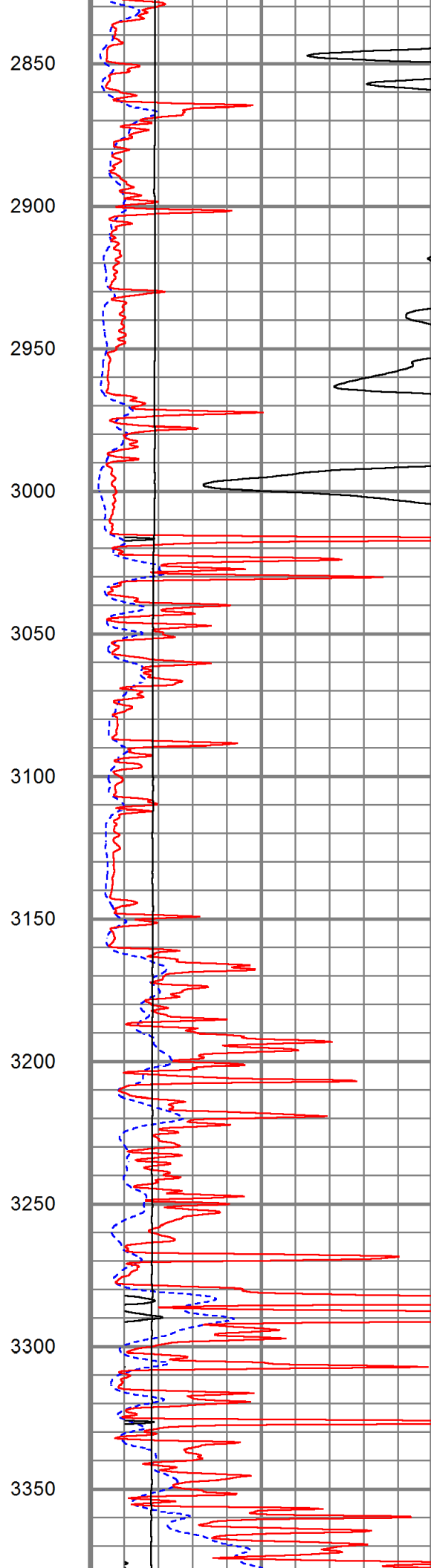
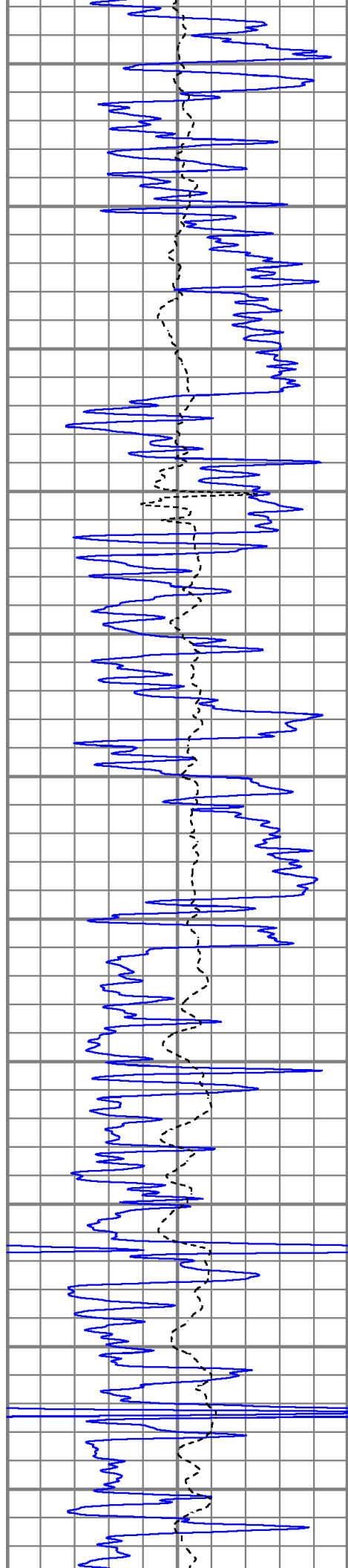
2650

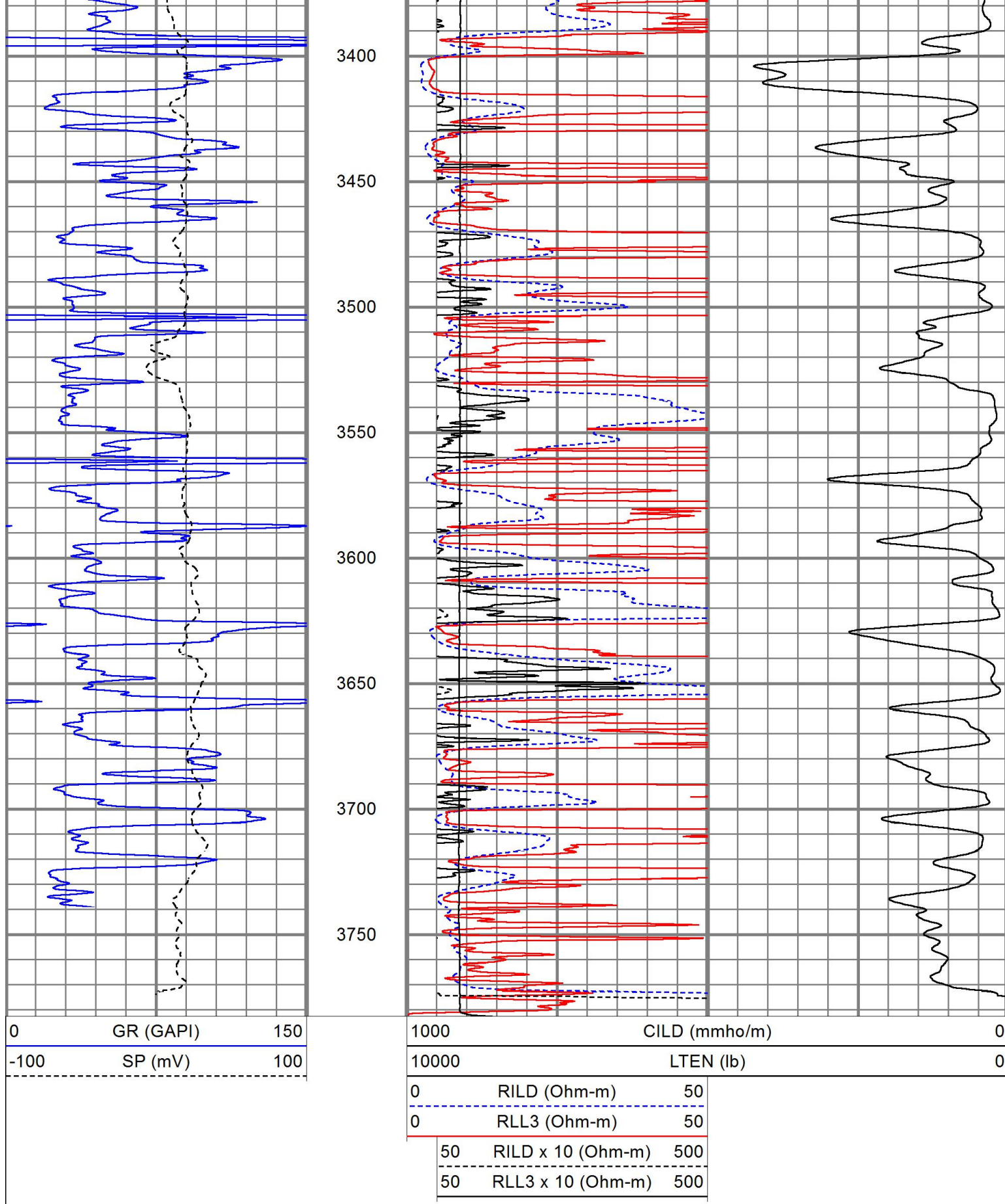
2700

2750

2800





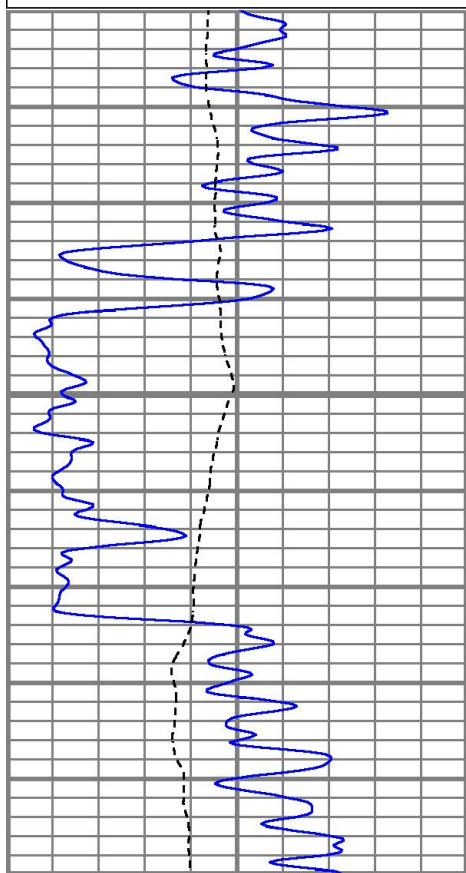


MAIN PASS

Database File mojoy-staab#1-28oh.db
 Dataset Pathname pass3.1
 Presentation Format kdil
 Dataset Creation Sat May 04 07:24:33 2019
 Charted by Depth in Feet scaled 1:240

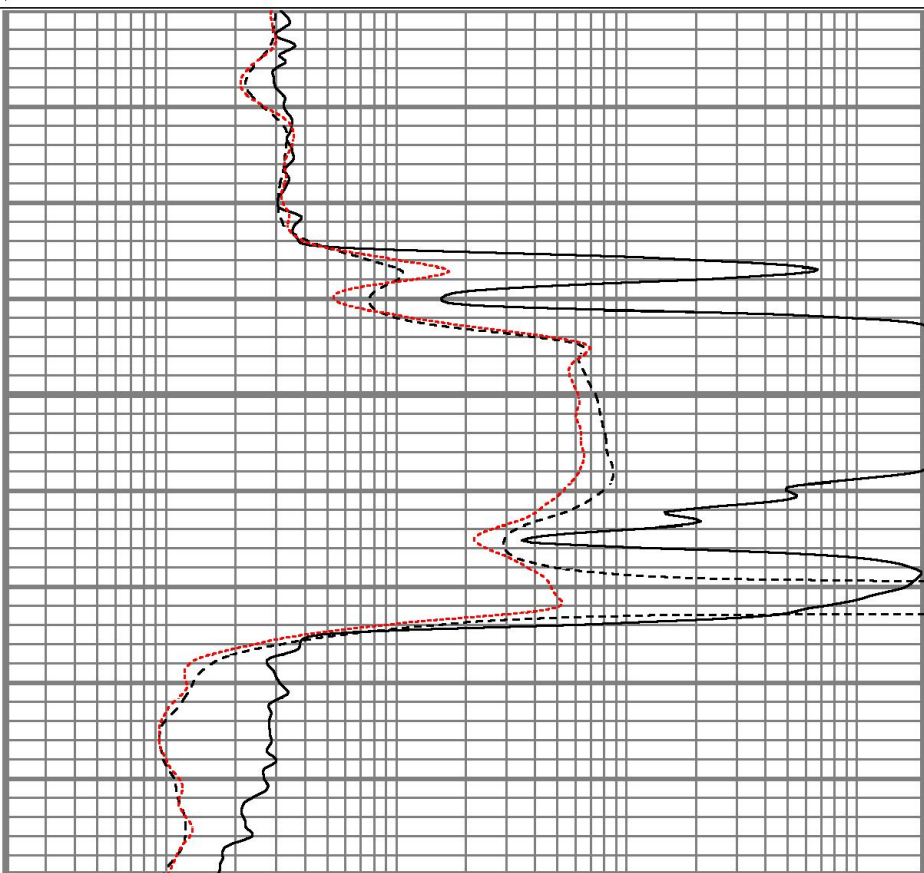
0	GR (GAPI)	150
-100	SP (mV)	100

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



1450

1500



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

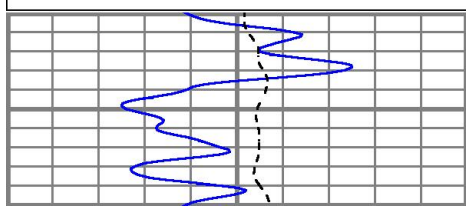


MAIN PASS

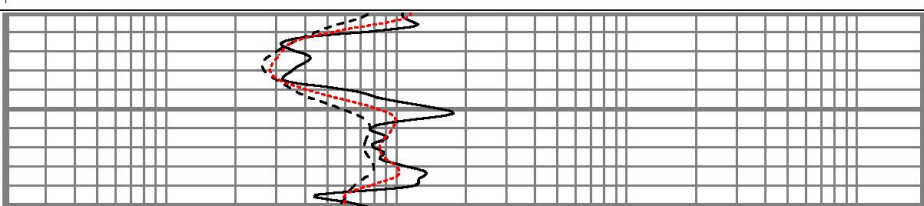
Database File mojoy-staab#1-28oh.db
 Dataset Pathname pass3.1
 Presentation Format kdil
 Dataset Creation Sat May 04 07:24:33 2019
 Charted by Depth in Feet scaled 1:240

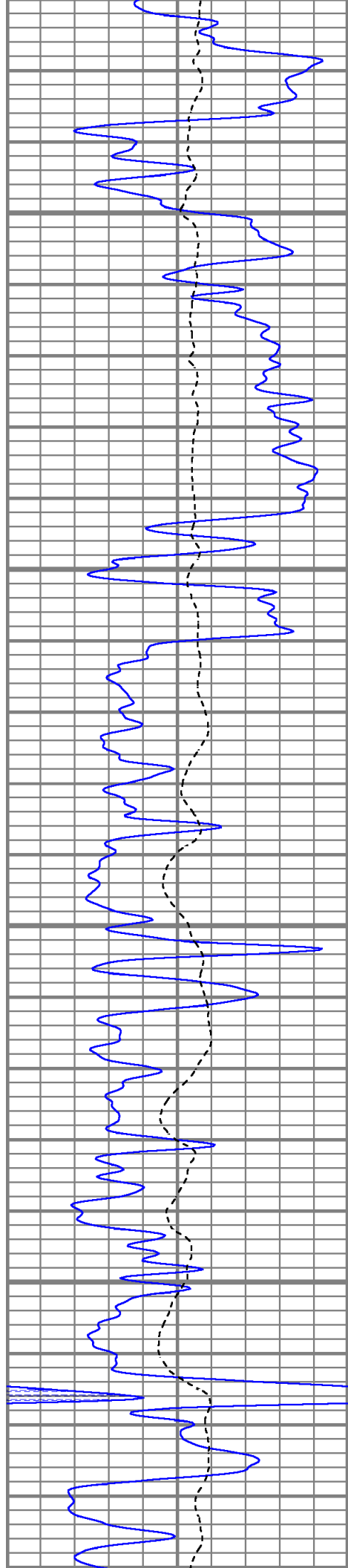
0	GR (GAPI)	150
-100	SP (mV)	100

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



5000



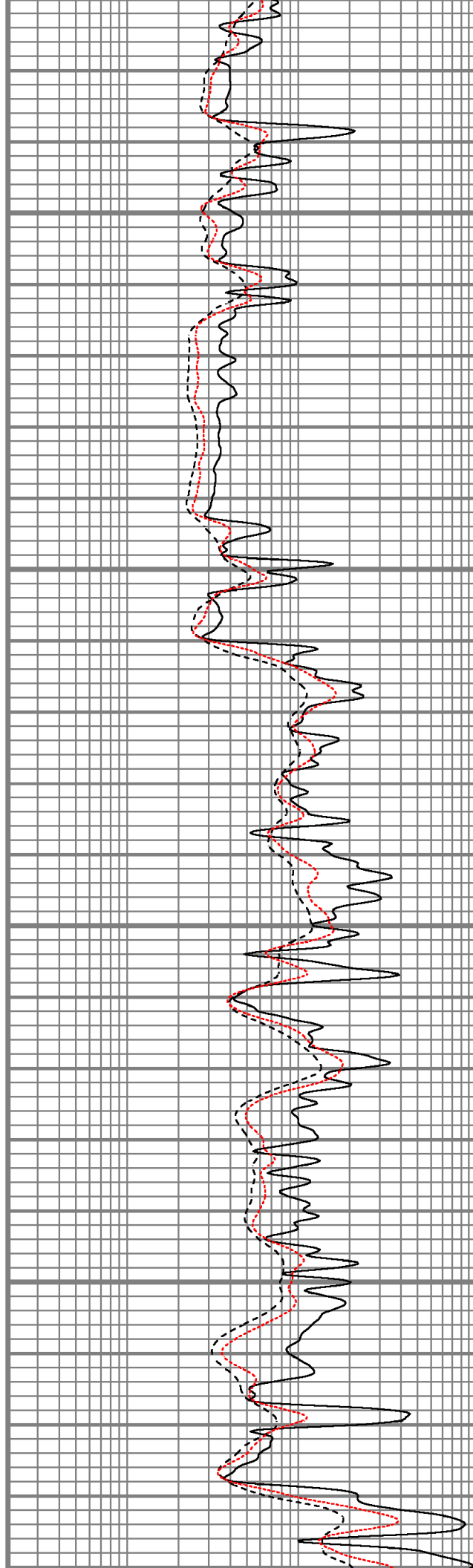


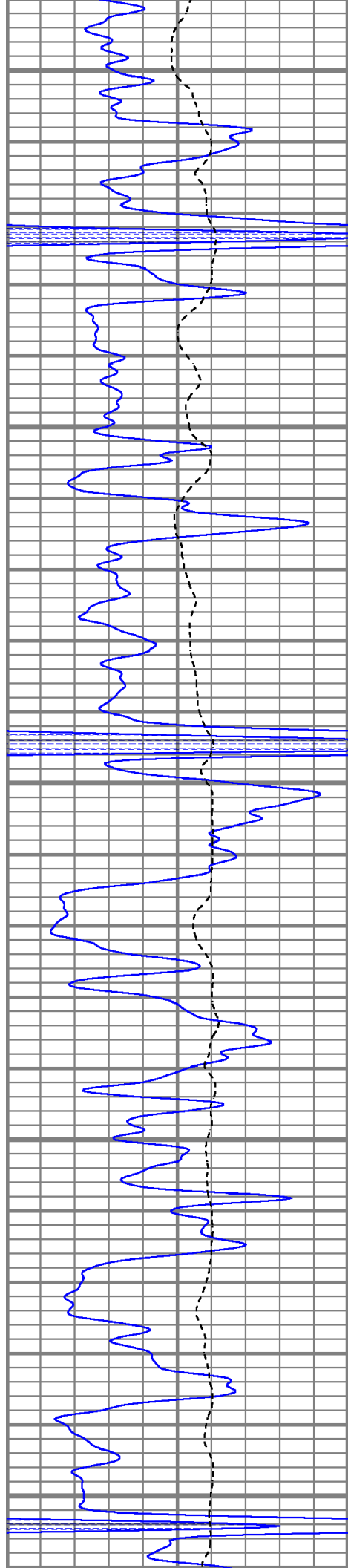
3100

3150

3200

3250





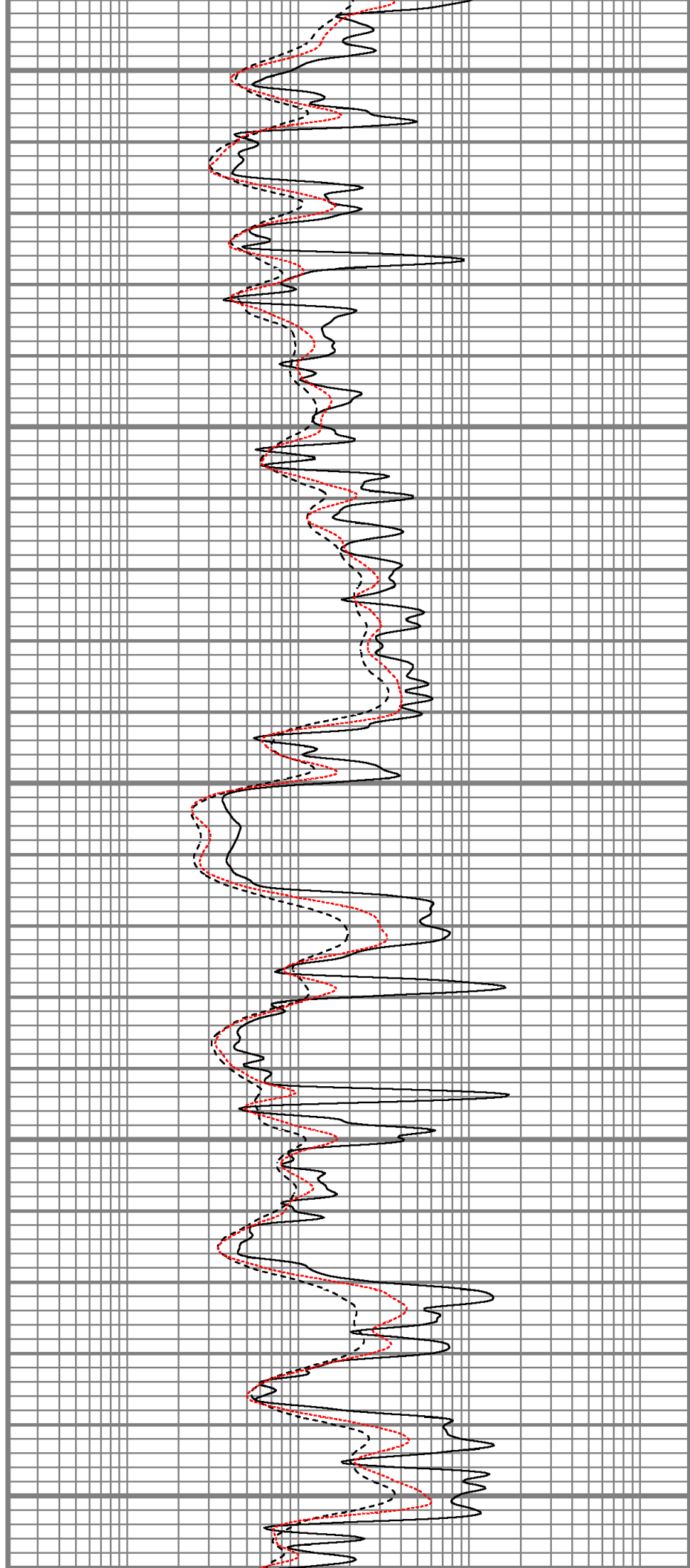
3300

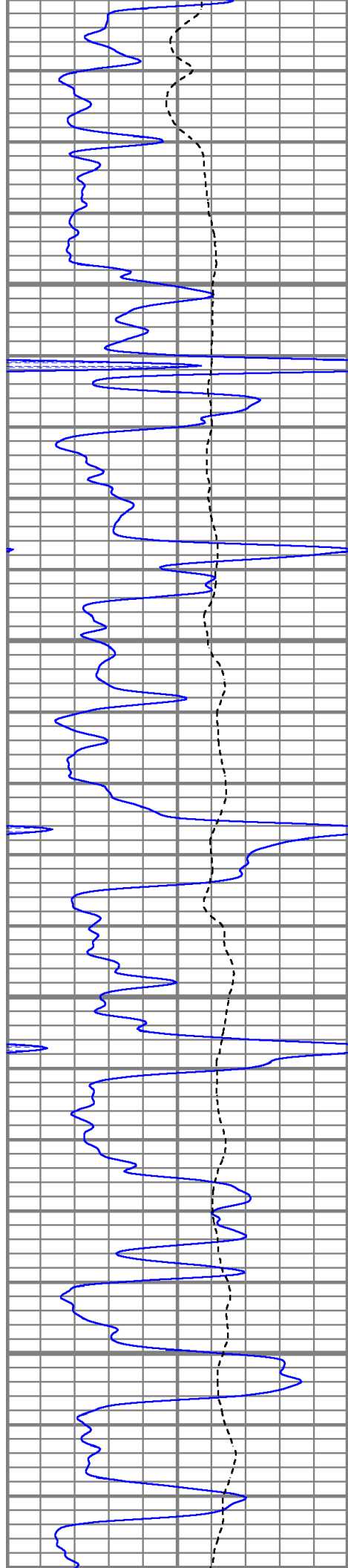
3350

3400

3450

3500



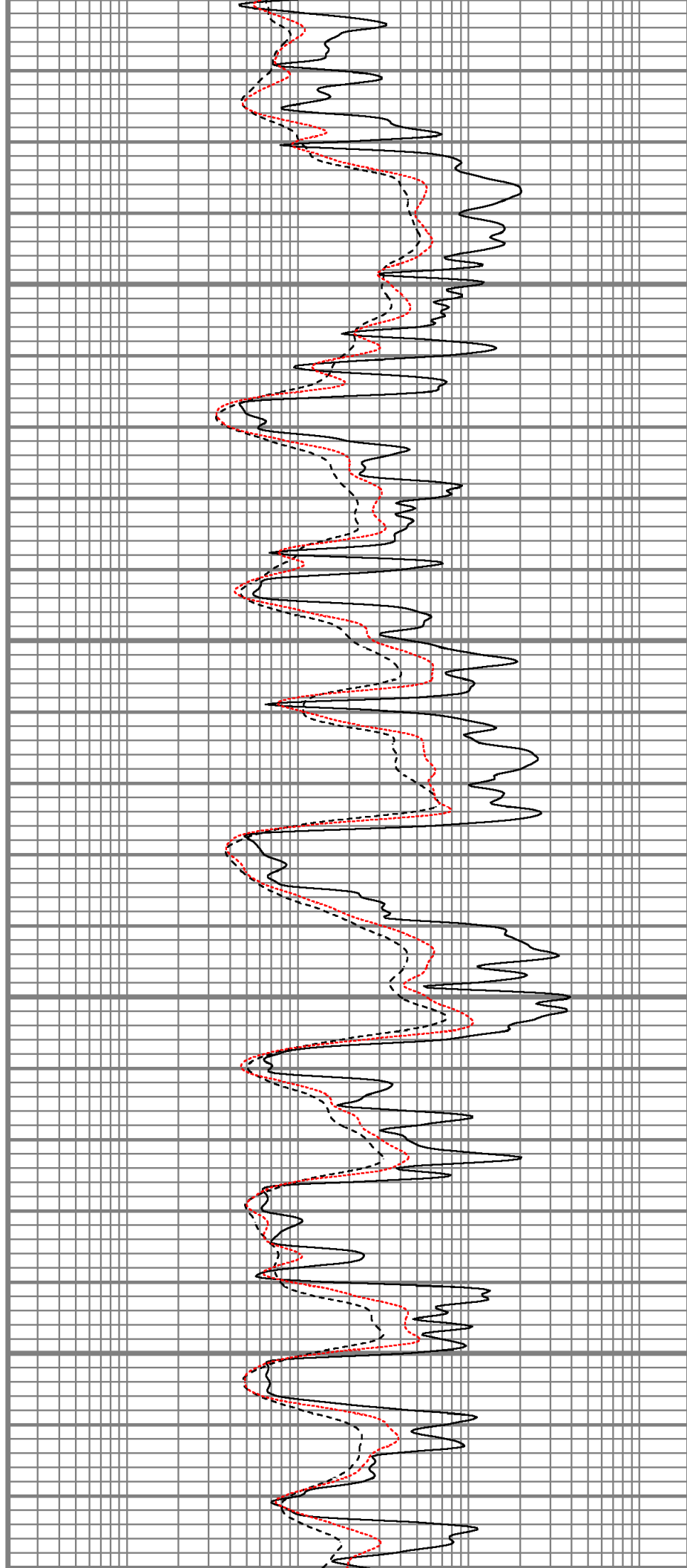


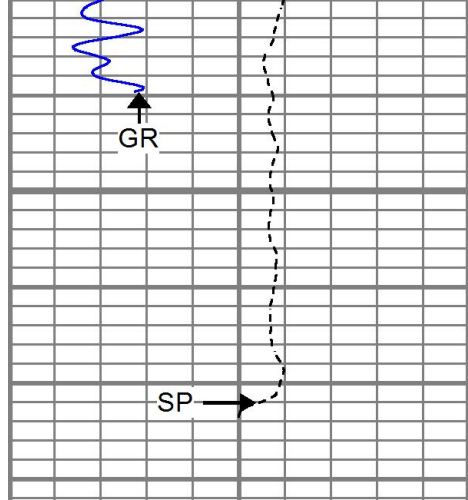
3550

3600

3650

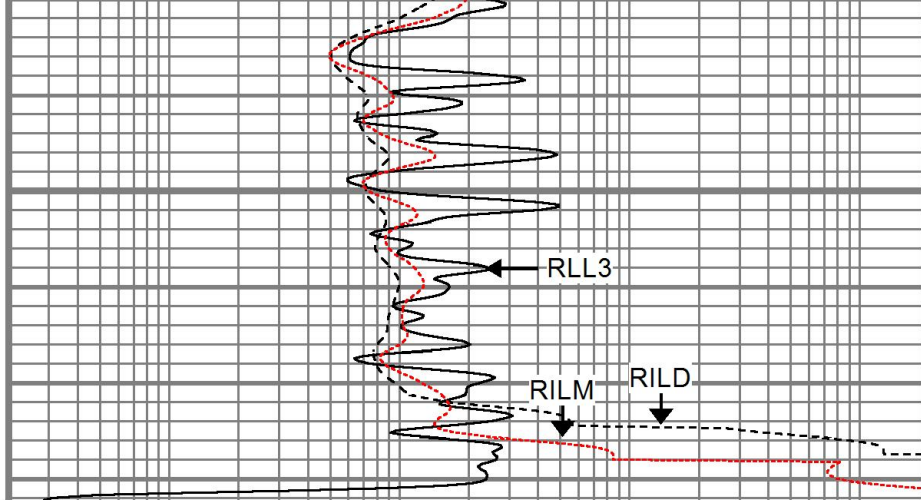
3700





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

3750



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

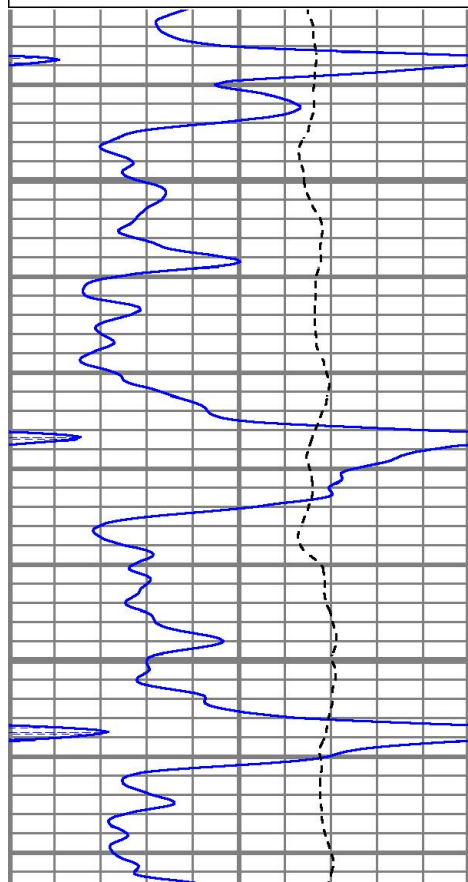


REPEAT SECTION

Database File: mojoy-staab#1-28oh.db
 Dataset Pathname: pass1.2
 Presentation Format: kdil
 Dataset Creation: Sat May 04 07:06:45 2019
 Charted by: Depth in Feet scaled 1:240

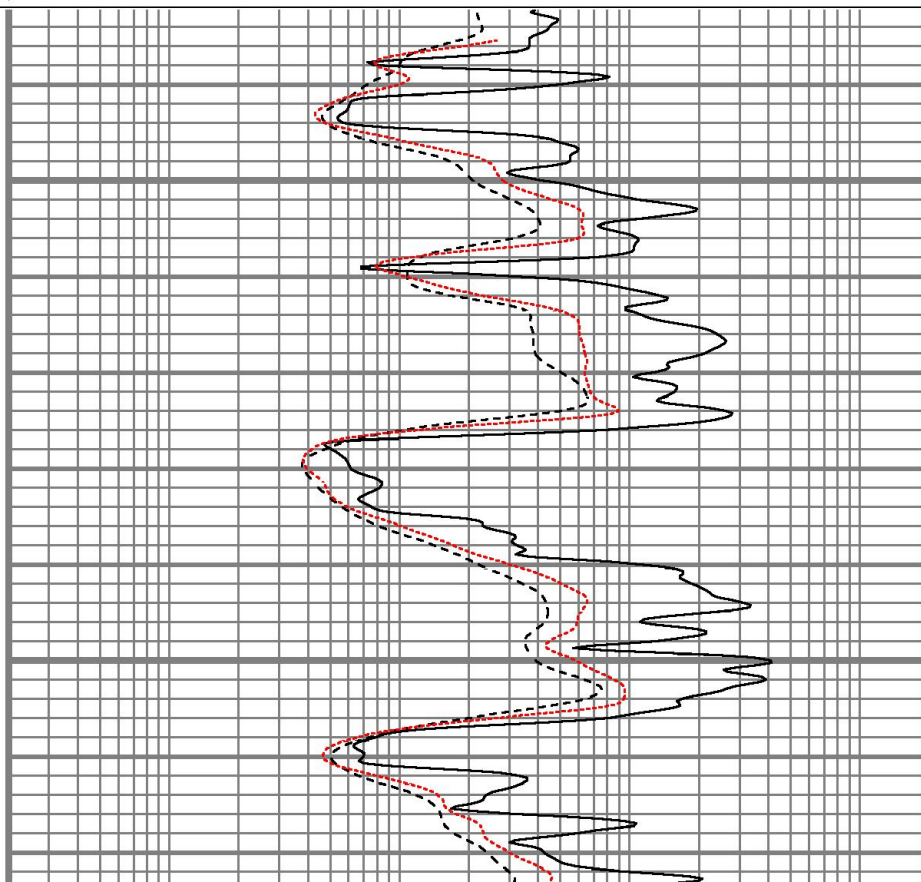
0	GR (GAPI)	150
-100	SP (mV)	100

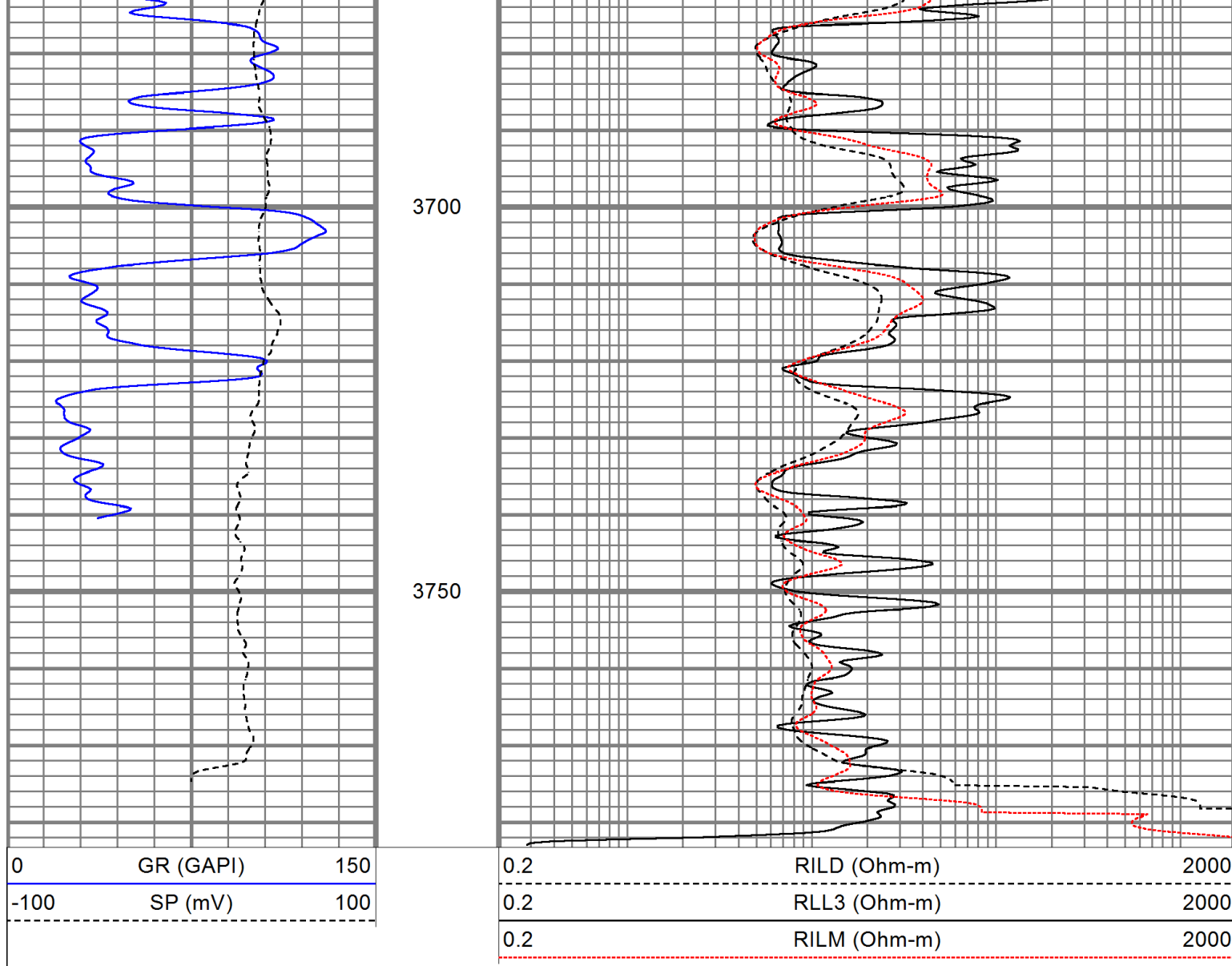
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000



3600

3650





Calibration Report

Database File: mojoy-staab#1-28oh.db
 Dataset Pathname: pass3.1
 Dataset Creation: Sat May 04 07:24:33 2019

Dual Induction Calibration Report

Serial-Model: 5375-G
 Surface Cal Performed: Fri Apr 19 12:45:28 2019
 Downhole Cal Performed: Fri Apr 19 12:45:28 2019
 After Survey Verification Performed: Fri Apr 19 12:45:28 2019

Surface Calibration

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.002	0.642	V	0.000	350.000	mmho/m	546.631	-1.028
Medium	0.006	0.727	V	0.000	400.000	mmho/m	555.208	-3.497
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.002	0.642	V	0.000	350.000	mmho/m	546.502	-0.822
Medium	0.006	0.727	V	0.000	550.000	mmho/m	763.570	-4.829

Downhole Calibration

Readings				References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.000	0.000	mmho/m	-0.206	349.877	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	0.014	399.930	mmho/m	1.000	0.000
Shallow	2.429	0.011	V	500.000	2.000	Ohm-m	200.929	0.282

After Survey Verification

Readings				Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	1.000	0.000
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

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: Fri Apr 19 12:15:04 2019

	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: Fri Apr 19 12:14:53 2019

	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: Fri Apr 19 12:14:18 2019

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	40.47		CHD-STD	0.50	1.69	1.00
ACCY	39.30		ADT-WMC (WithMC)	4.58	3.50	120.00
ACCX	39.30		Admyr Telemetry With Mudcell			
SSTAT	38.89					
PSTAT	38.05					
ASTAT	38.05					
GRD	37.22		NEU-ADMY5139 (AD5139)	5.65	3.50	50.00
TEMP	37.22		Admyr NEU DIGITAL			
NEU	33.15					
LSD	23.78		CDL-GEARHART (2501)	9.69	4.00	240.00
DCAL	23.49					
SSD	23.24					
SP	10.60					
CILD	10.60	DIL-G (5375)	21.47	4.00	345.00	
		Gearhart				
CILM	6.89					
RLL3	1.70					

Dataset:	mojoy-staab#1-28oh.db: field/well/run1/pass3.1
Total length:	41.89 ft
Total weight:	756.00 lb
O.D.:	4.00 in