DUAL INDUCTION LOG

Company Palomino Petroleum, Inc.
Well Blattner Unit #1
Field Hummel
County Hodgeman State Kansas
Location: API # : 15 083 21942
2448' FSL & 2287' FEL
SEC 30 TWP 21S RGE 24W
Permanent Datum Ground Level Elevation 2371'
Log Measured From KB 6' AGL
Drilling Measured From KB
Other Services CDNL ML
Elevation K.B. 2379' D.F. 2378' G.L. 2371'

Date	8-25-17			
Run Number	One			
Depth Driller	4660'			
Depth Logger	4660'			
Bottom Logged Interval	4658'			
Top Log Interval	190'			
Casing Driller	212'			
Casing Logger	212'			
Bit Size	7 7/8"			
Type Fluid in Hole	Chemical			
Density / Viscosity	9.05/49			
pH / Fluid Loss	8.5/12.8			
Source of Sample	Pit			
Rm @ Meas. Temp	0.6@84degf			
Rmf @ Meas. Temp	0.48@84degf			
Rmc @ Meas. Temp	0.77@84degf			
Source of Rmf / Rmc	Calculated			
Rm @ BHT	0.42@120degf			
Time Circulation Stopped	6:00 a.m.			
Time Logger on Bottom	9:00 a.m.			
Maximum Recorded Temperature	120degf			
Equipment Number	T-729			
Location	Hays, KS			
Recorded By	C.Patterson			
Witnessed By	Mr. Ryan Seib			

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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

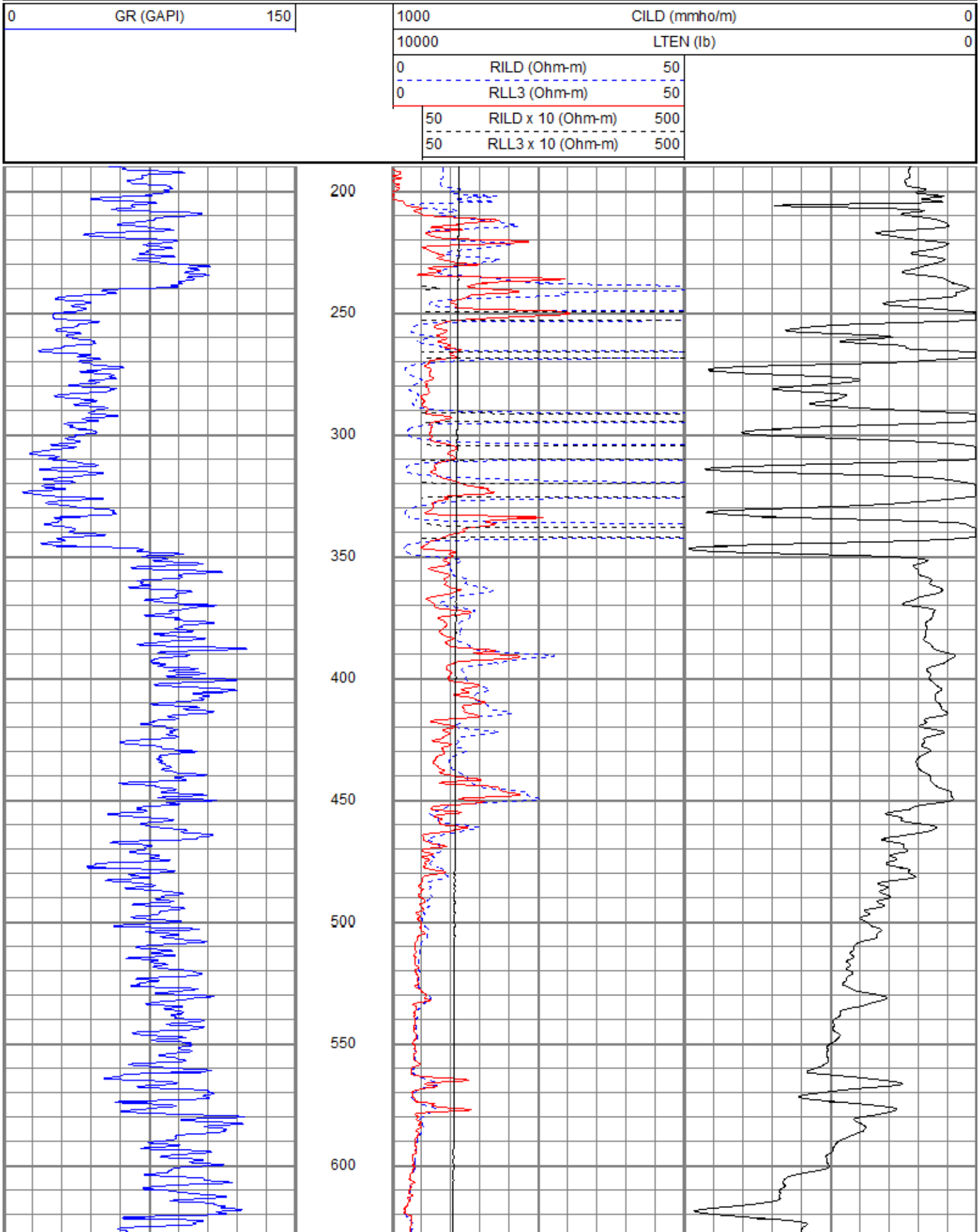
South out of Ness City into hodgeman county to V Rd., West on V Rd. 1 mi.to 217 Rd.,
Then 1 mi, South to U Rd., Then 2mi. West to 215 Rd., Then 1 mi. South to T Rd.,
Then 1 1/2 mi. West on T Rd., Northwest Into

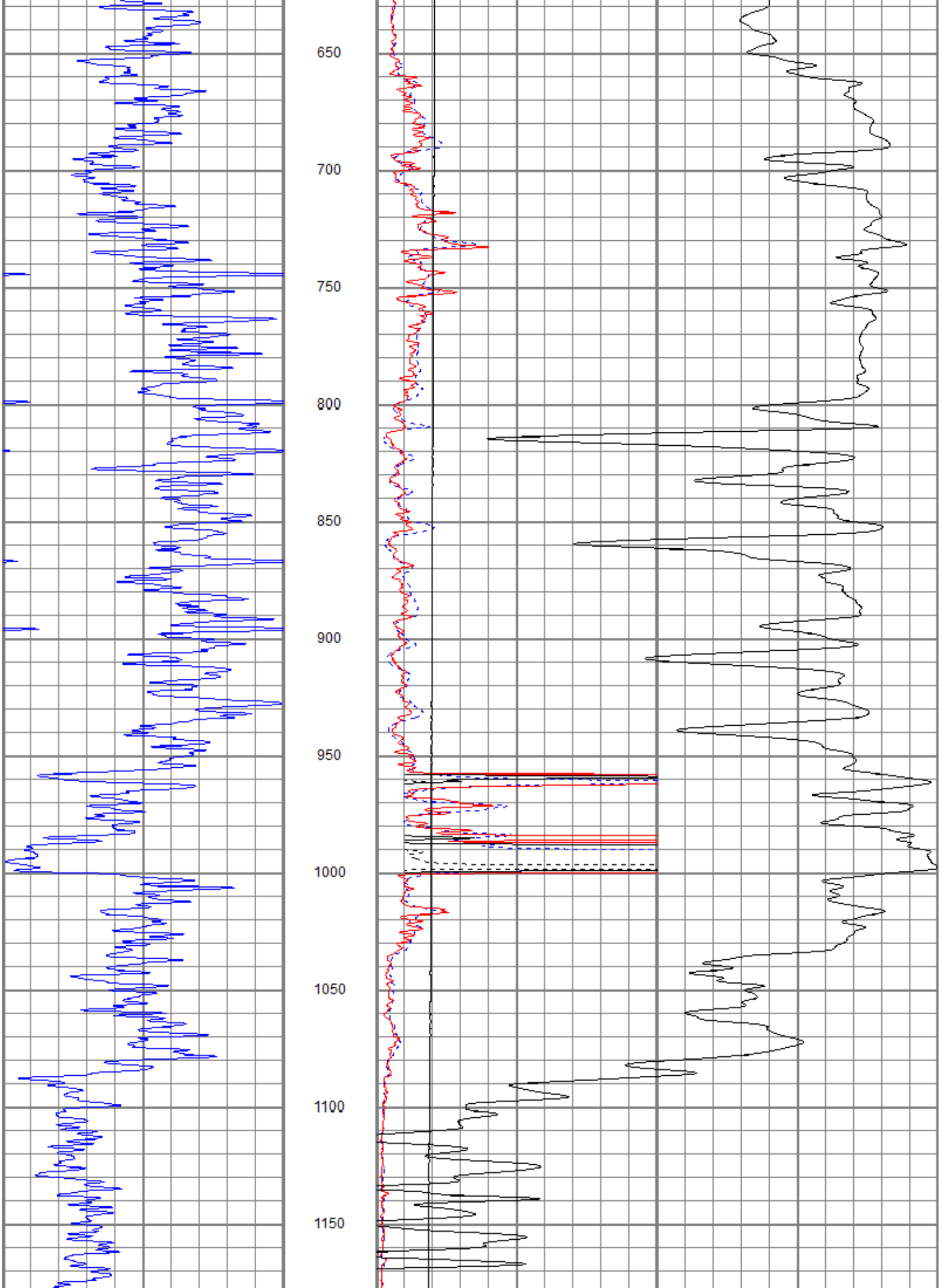
Thanks for using Gemini Wireline LLC
785-625-1182

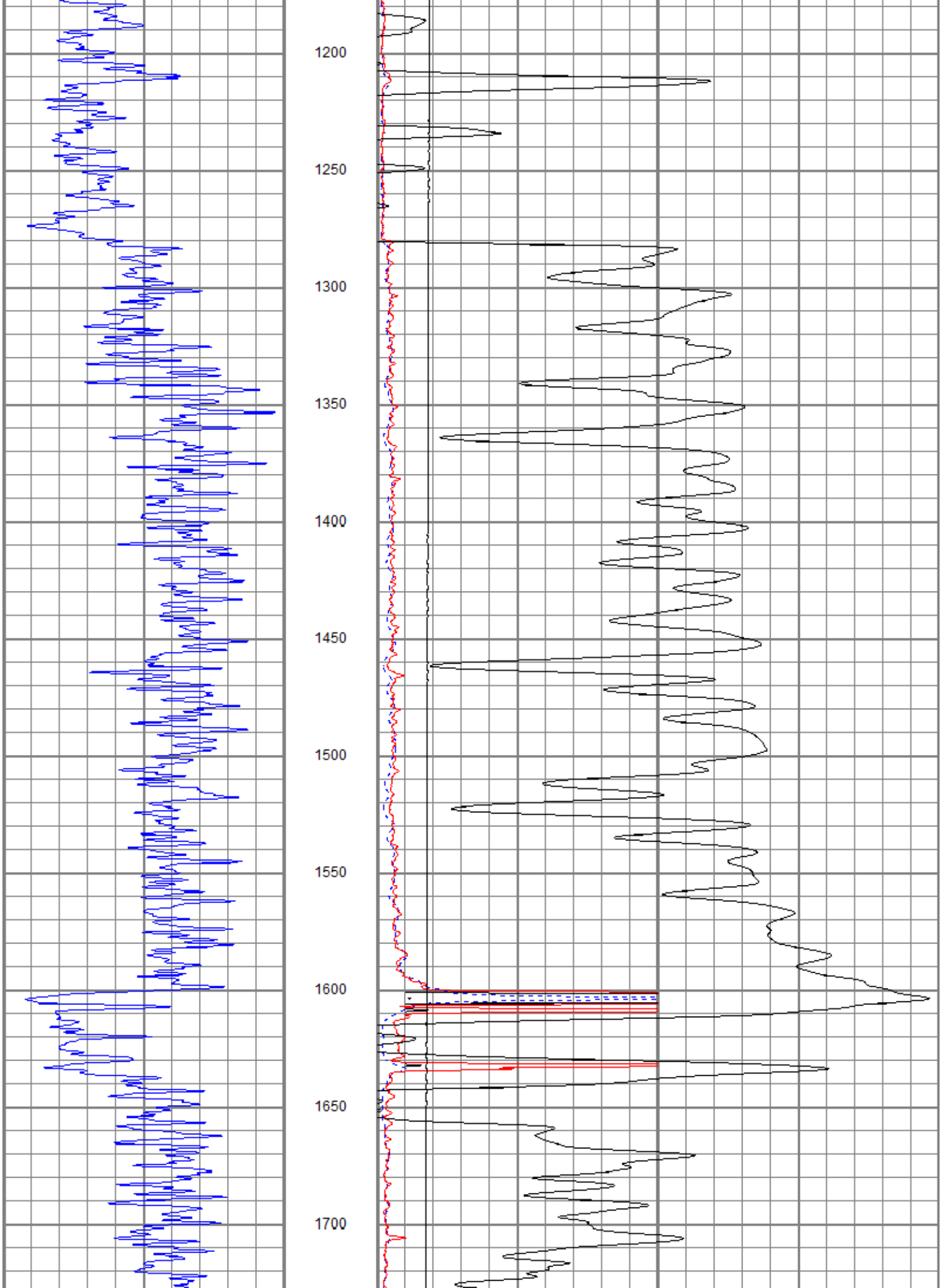
(NO REPEAT RAN DO TO HOLE CONDITIONS)

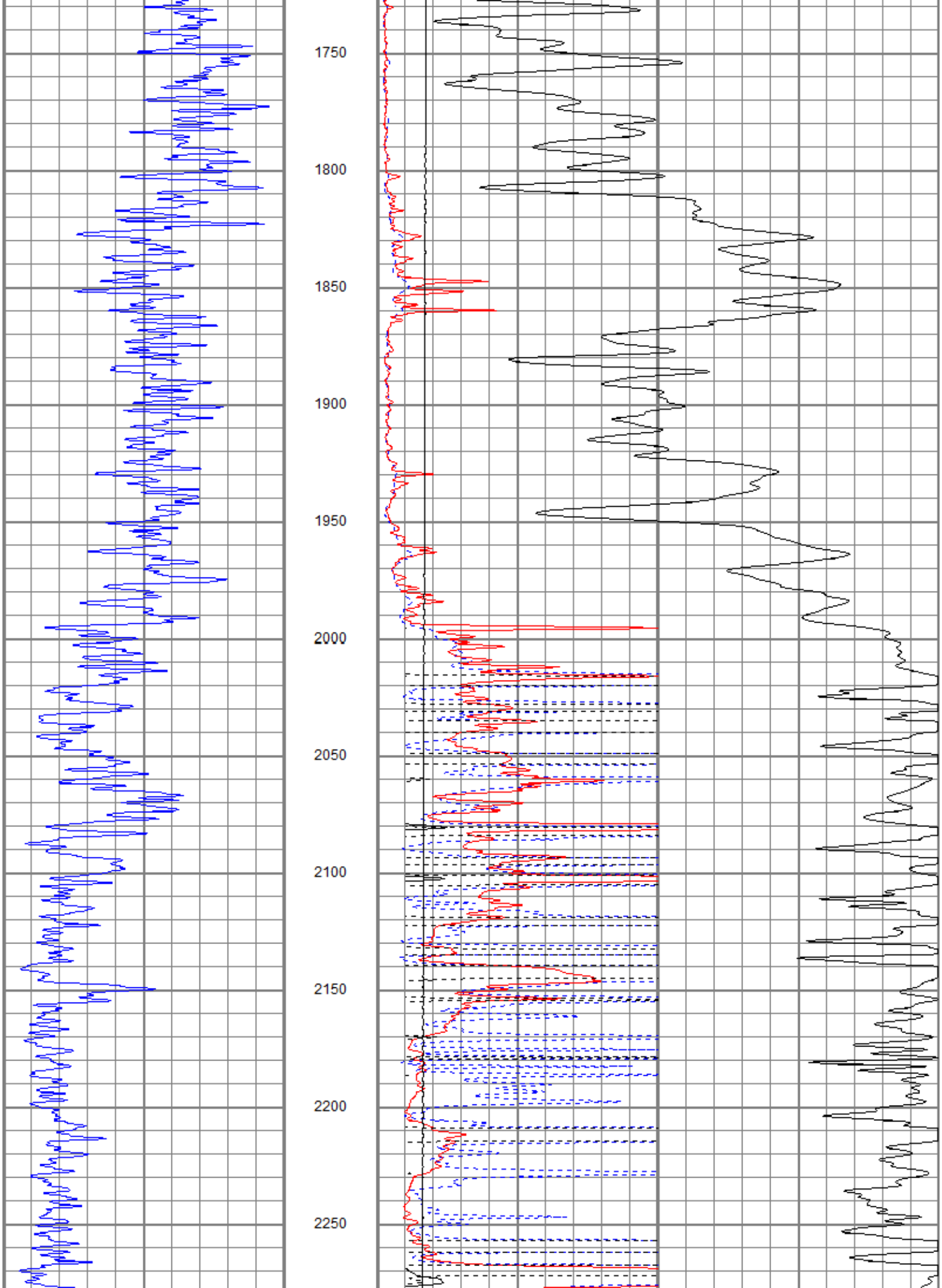
MAIN PASS

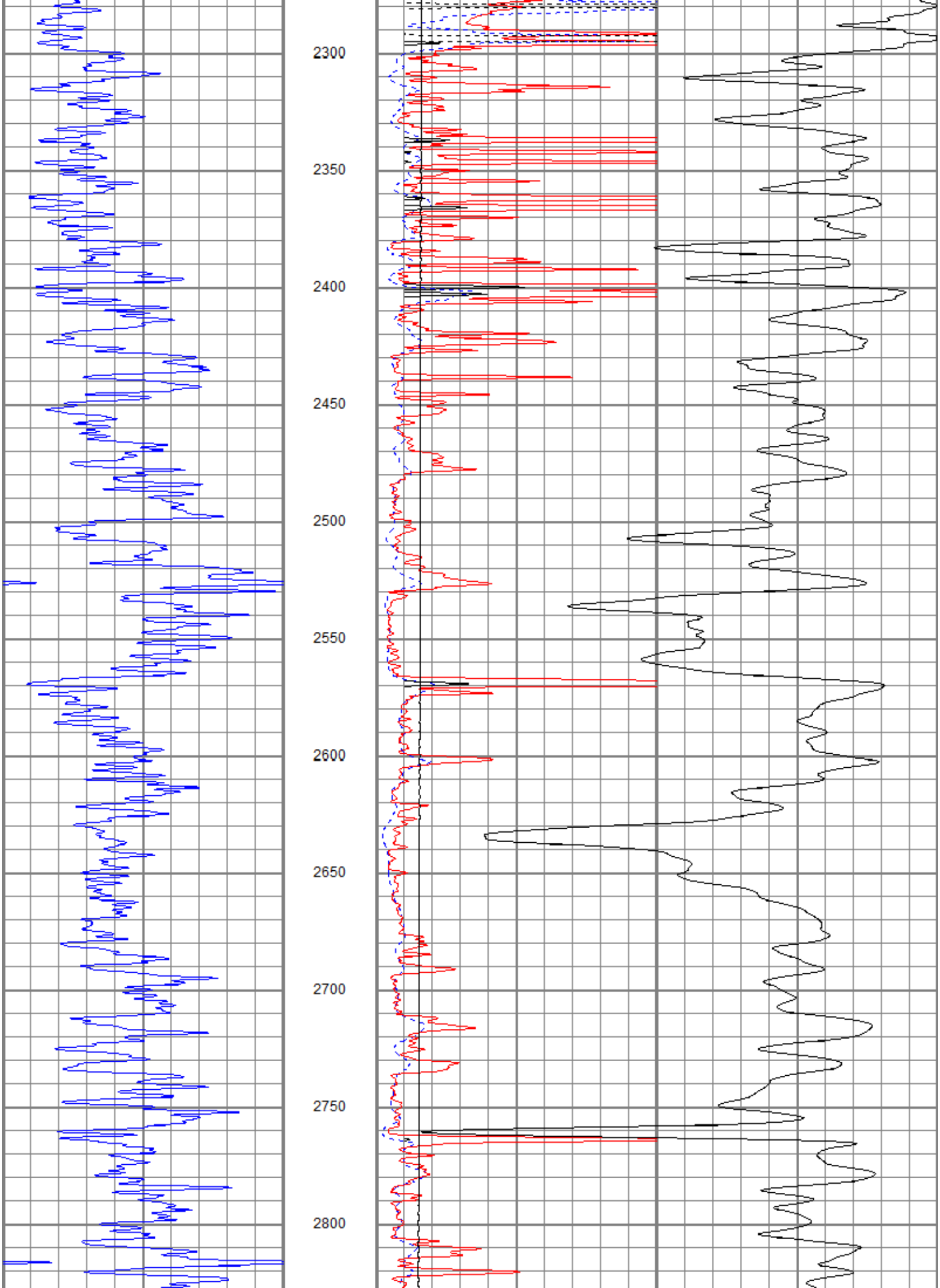
Database File	ppblattnerunit#1oh.db
Dataset Pathname	pass3.1
Presentation Format	kdillinn
Dataset Creation	Fri Aug 25 10:10:39 2017
Charted by	Depth in Feet scaled 1:600

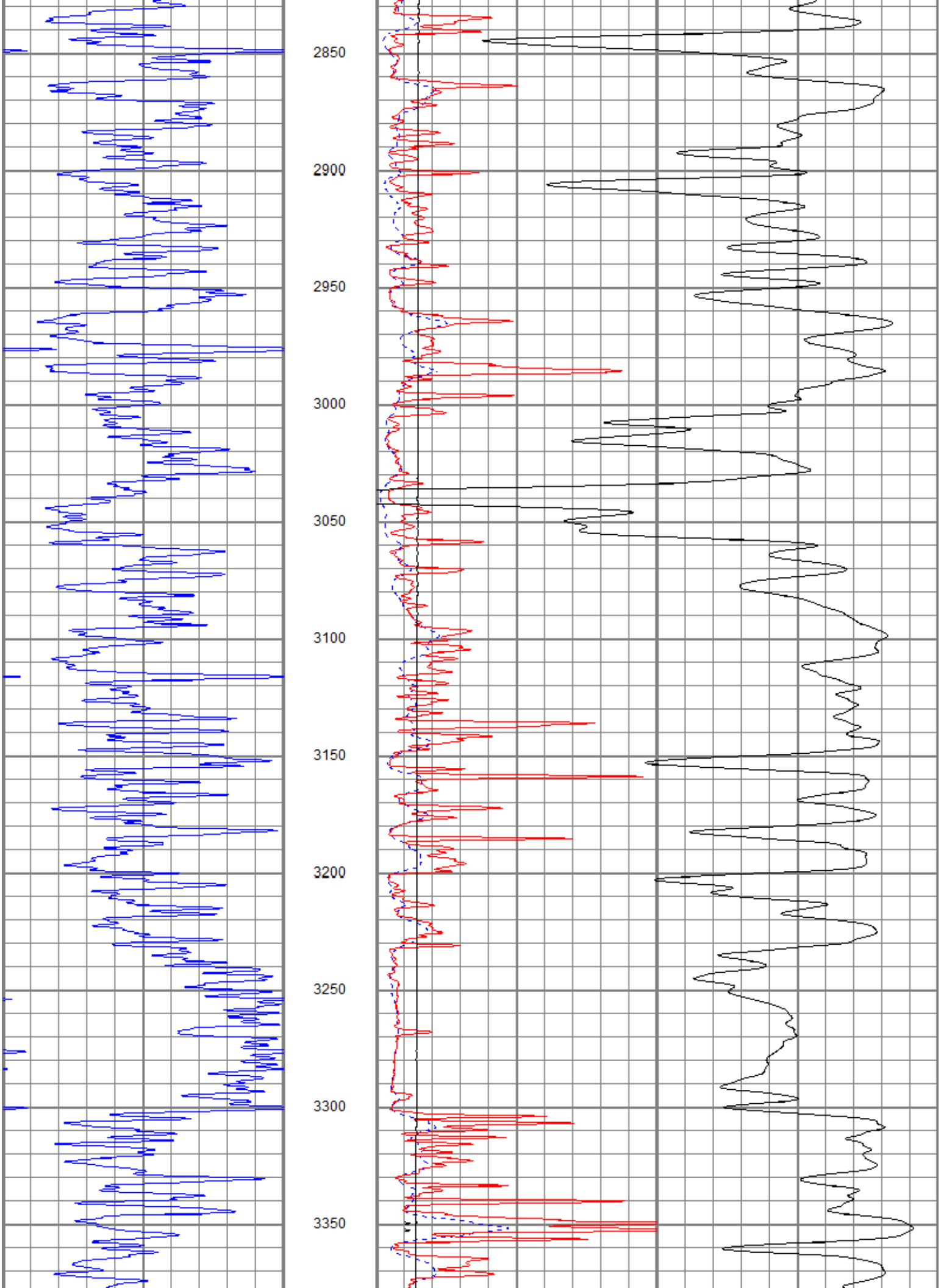


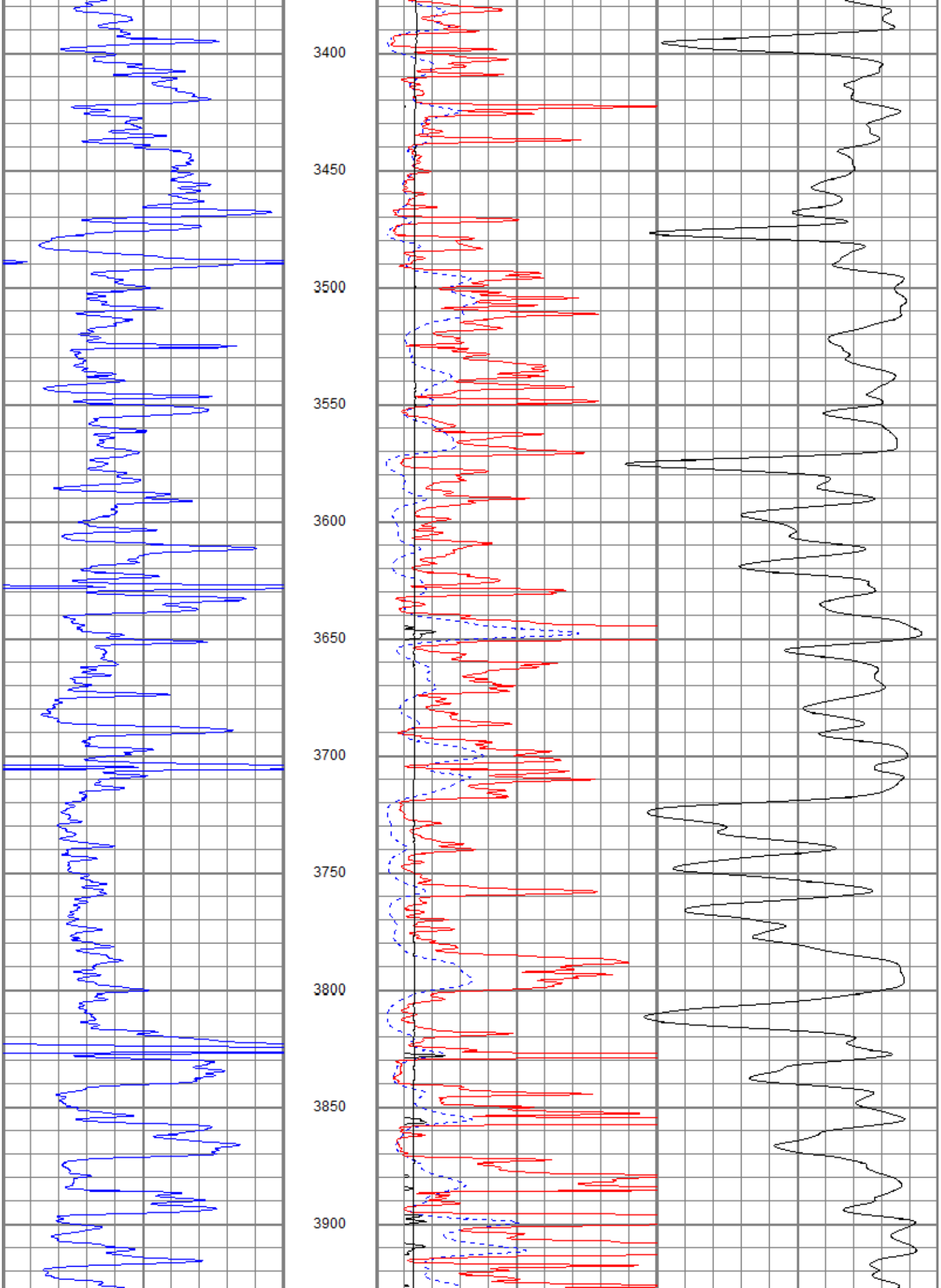

650
700
750
800
850
900
950
1000
1050
1100
1150

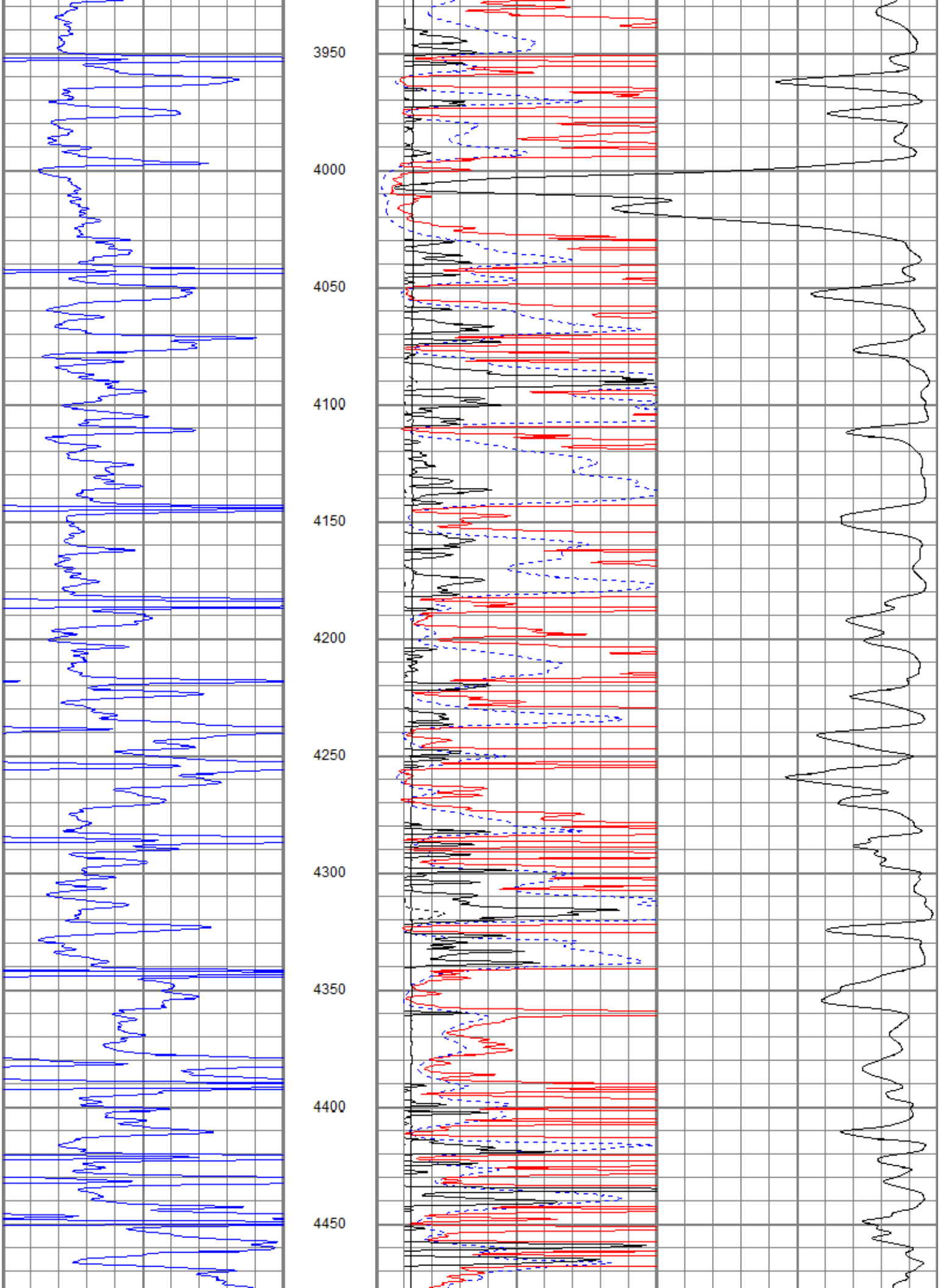

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1250
1300
1350
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1600
1650
1700

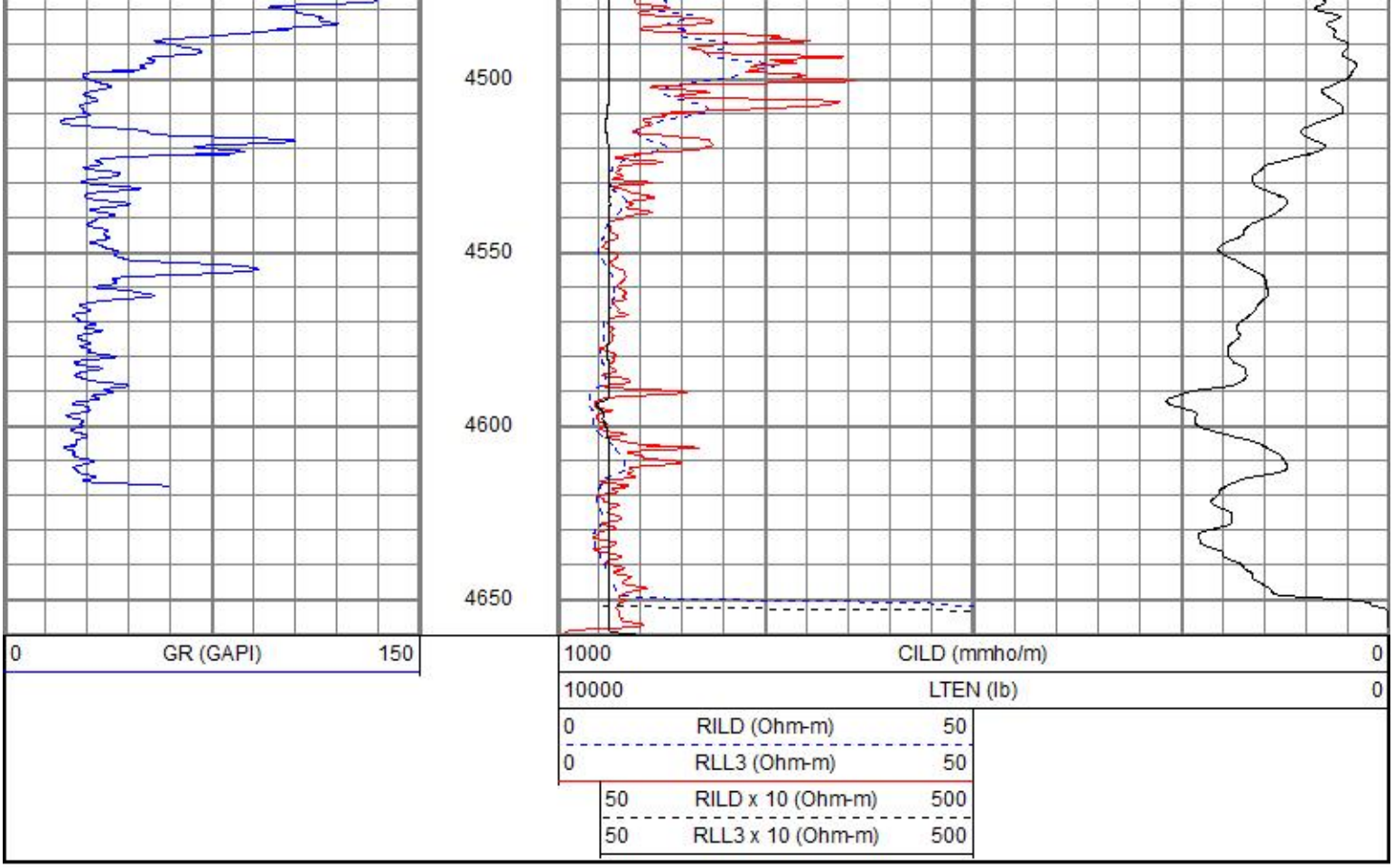

1750
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2150
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2250


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2850
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3350

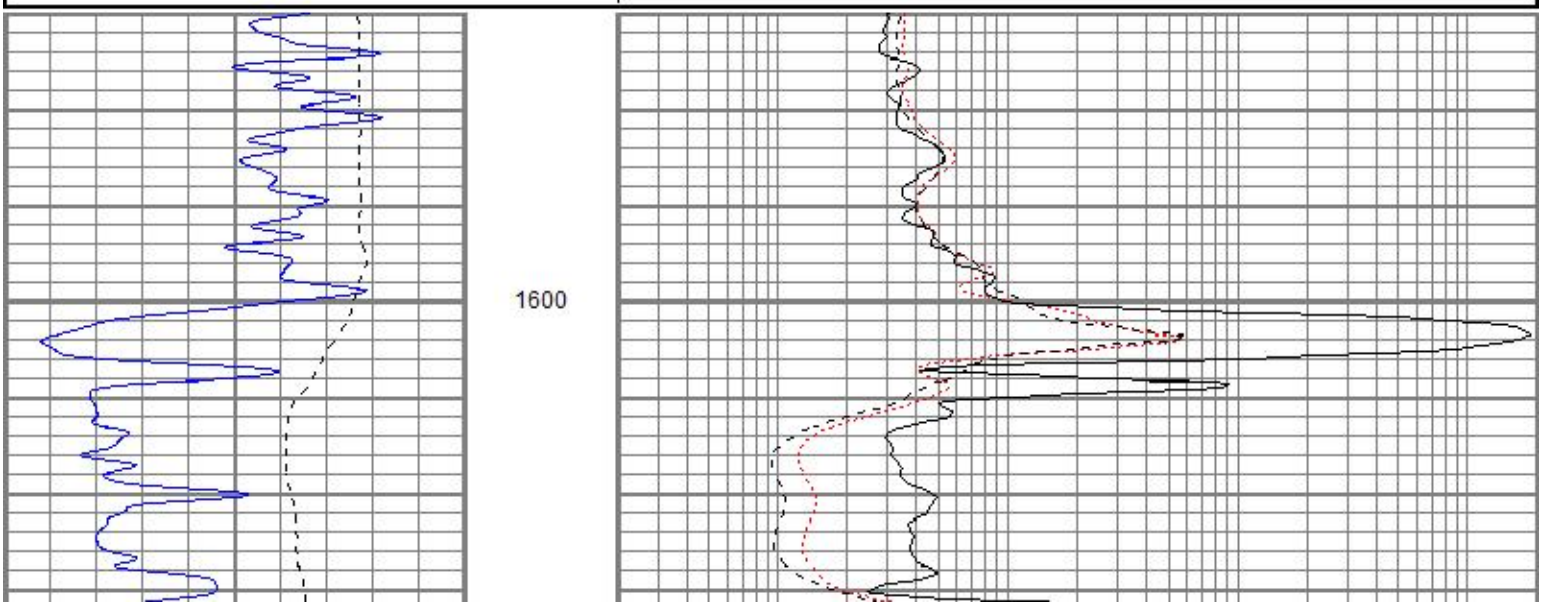

3400
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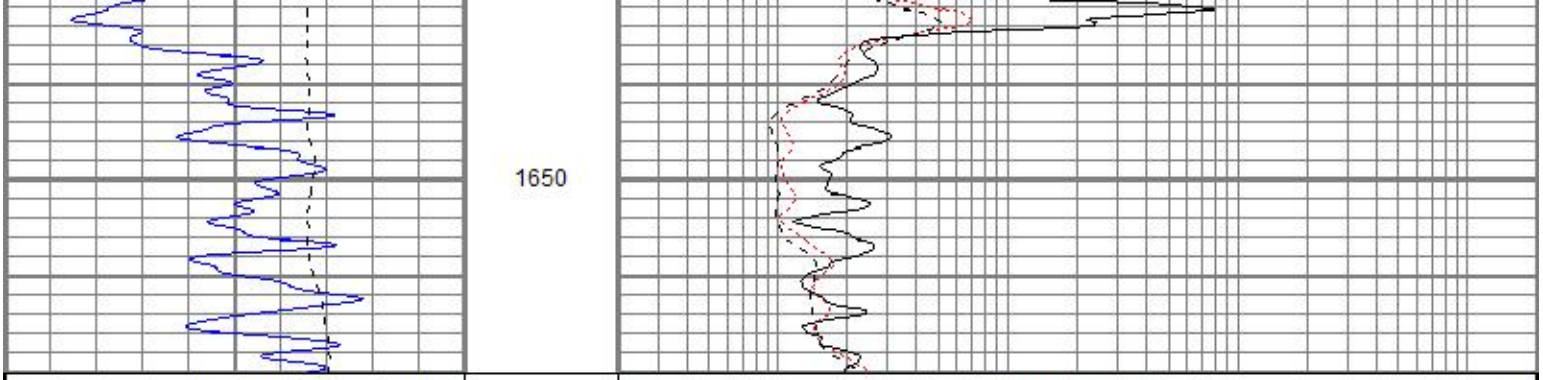

3950
4000
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4100
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4250
4300
4350
4400
4450



MAIN PASS

Database File	ppblattnerunit#1oh.db
Dataset Pathname	pass3.1
Presentation Format	kdil
Dataset Creation	Fri Aug 25 10:10:39 2017
Charted by	Depth in Feet scaled 1:240





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

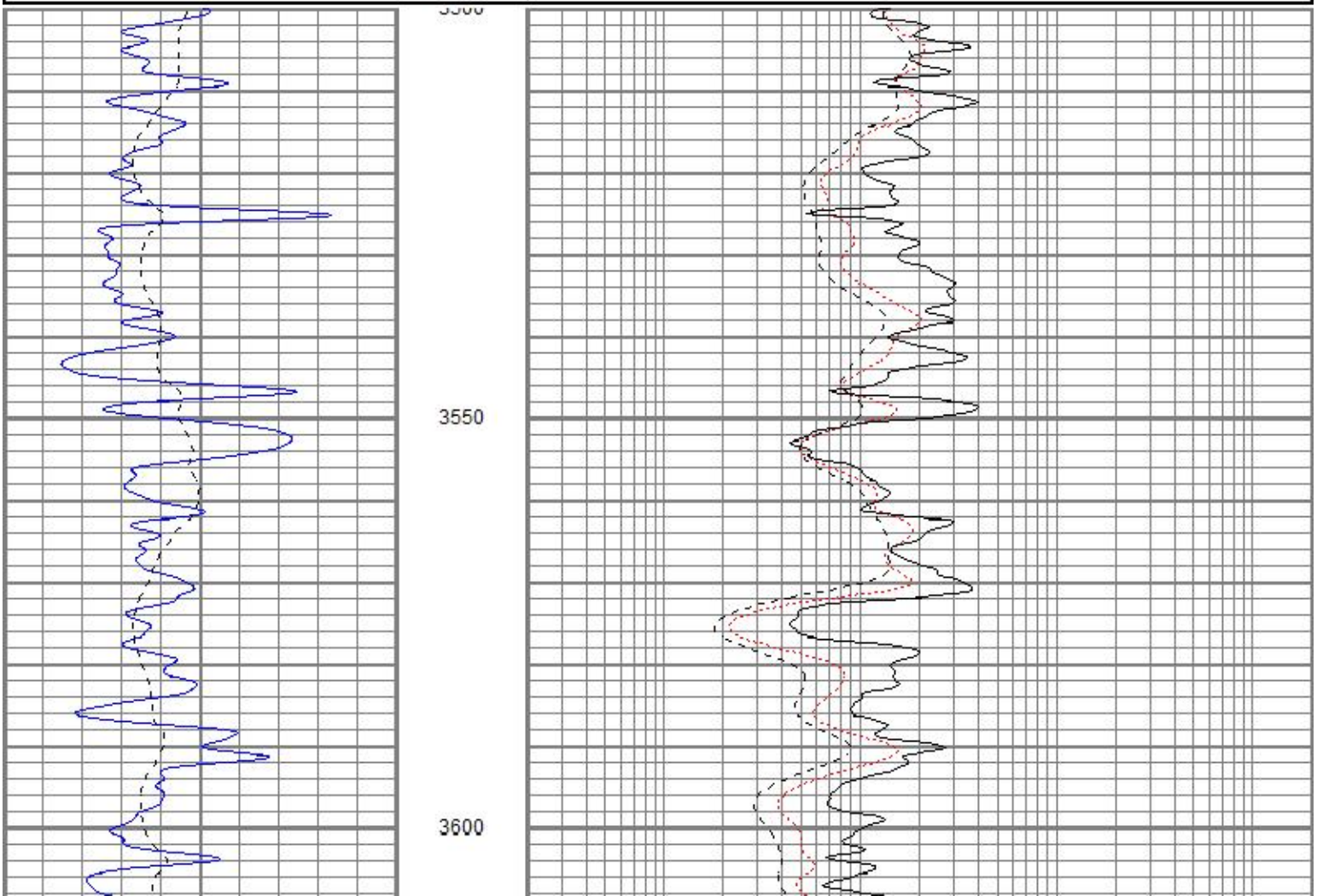
0.2	RILM (Ohm-m)	2000
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000

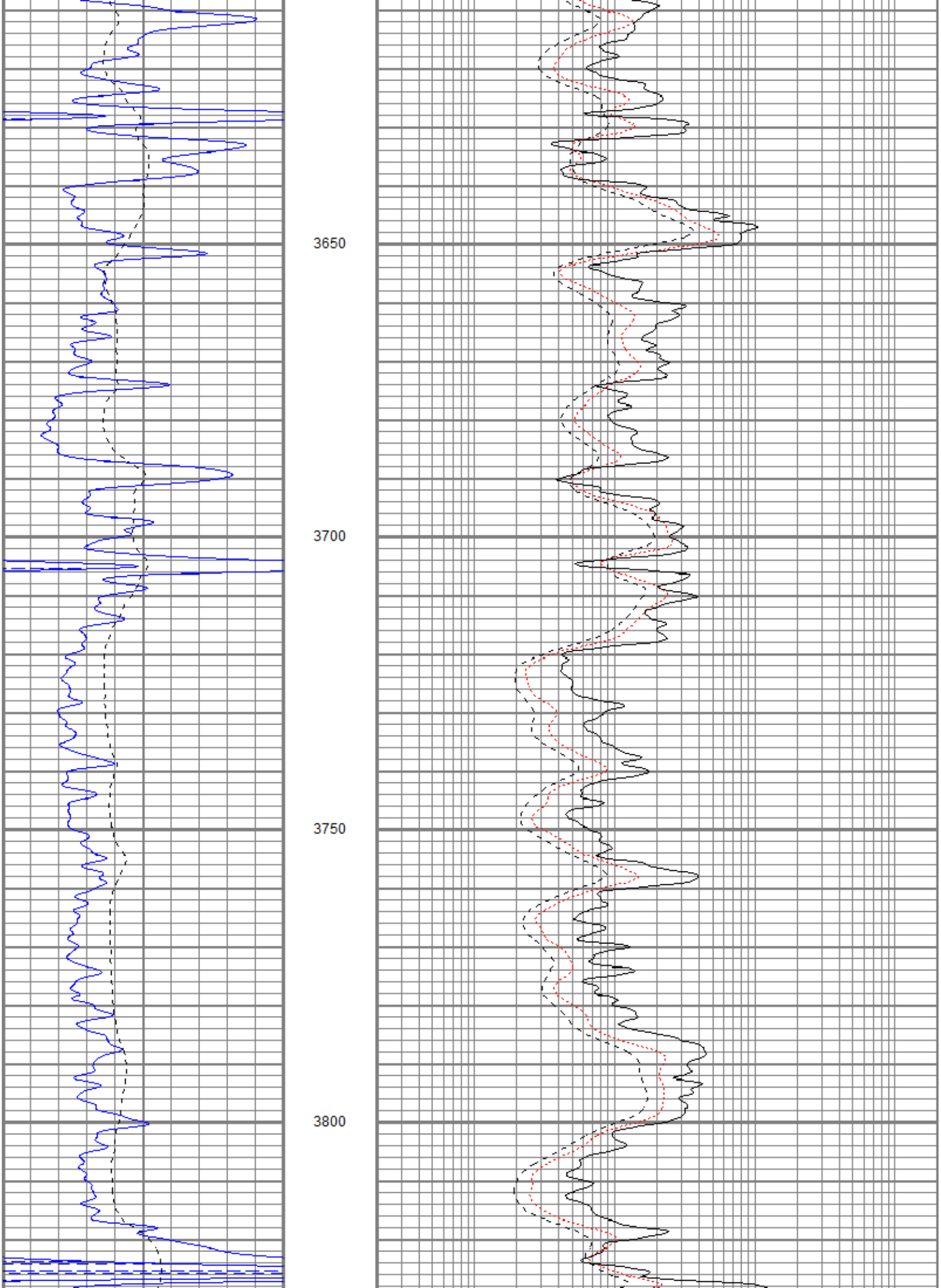
MAIN PASS

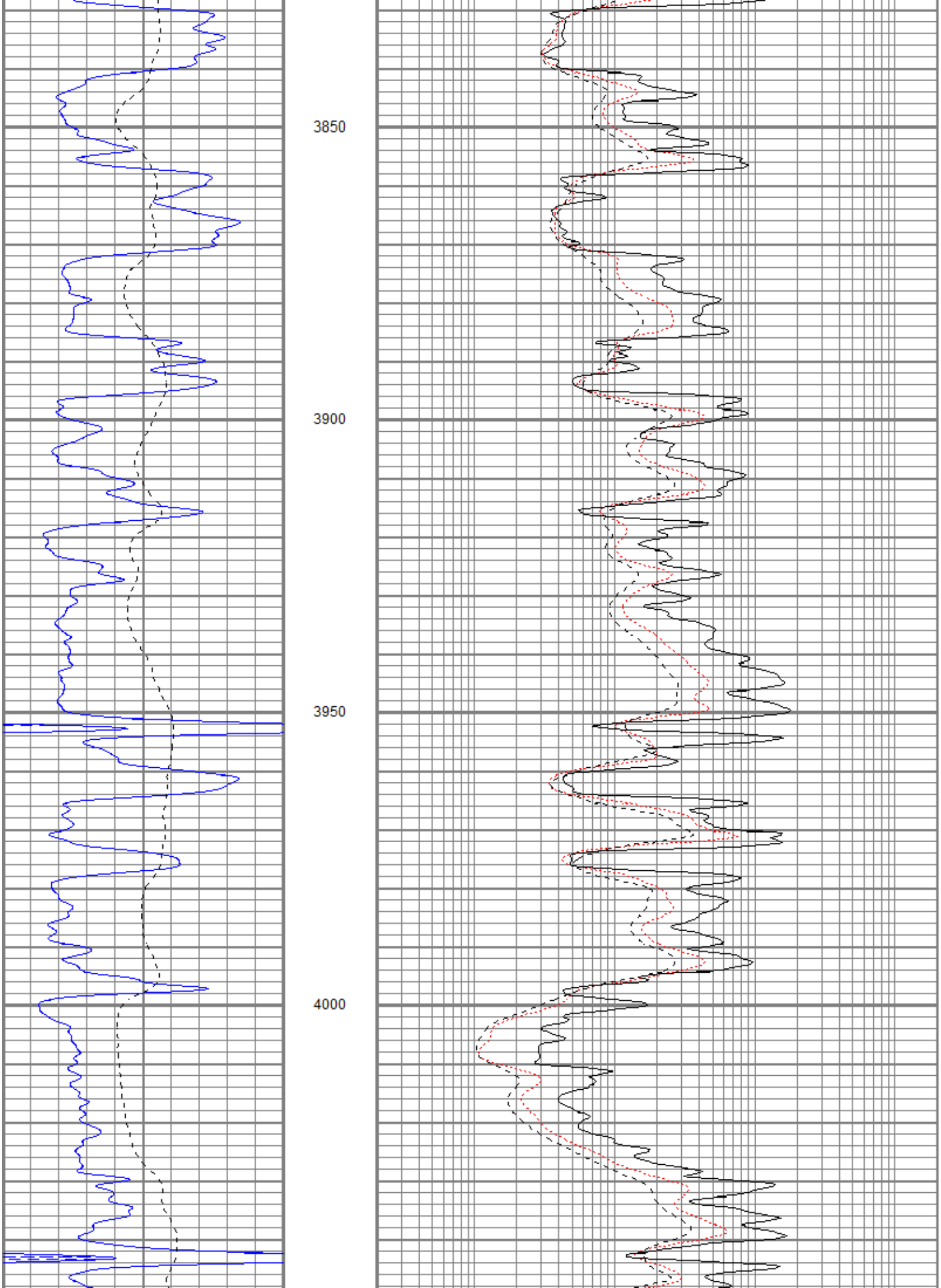
Database File	ppblattnerunit#1oh.db
Dataset Pathname	pass3.1
Presentation Format	kdil
Dataset Creation	Fri Aug 25 10:10:39 2017
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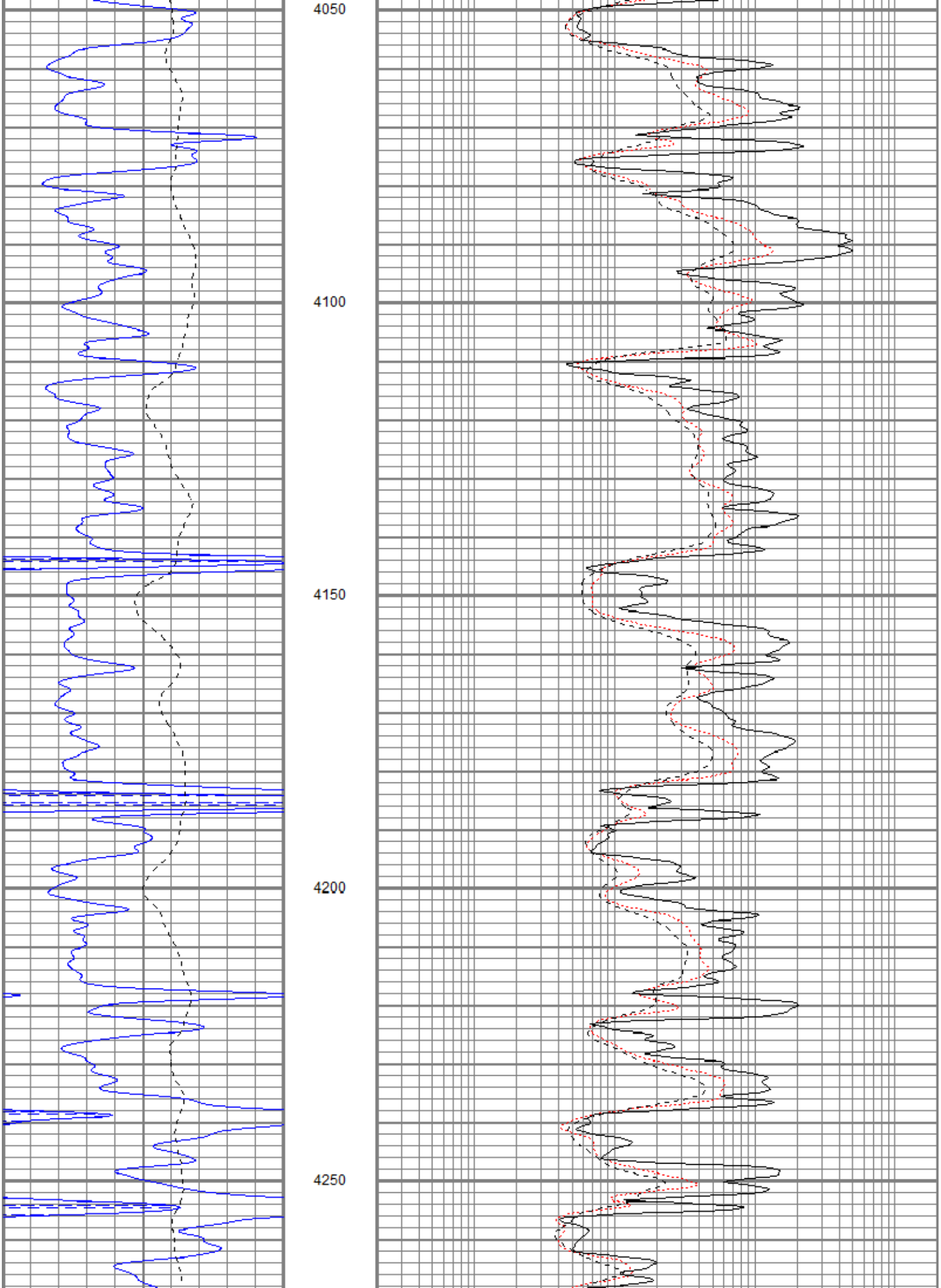
0	GR (GAPI)	150
-100	SP (mV)	100

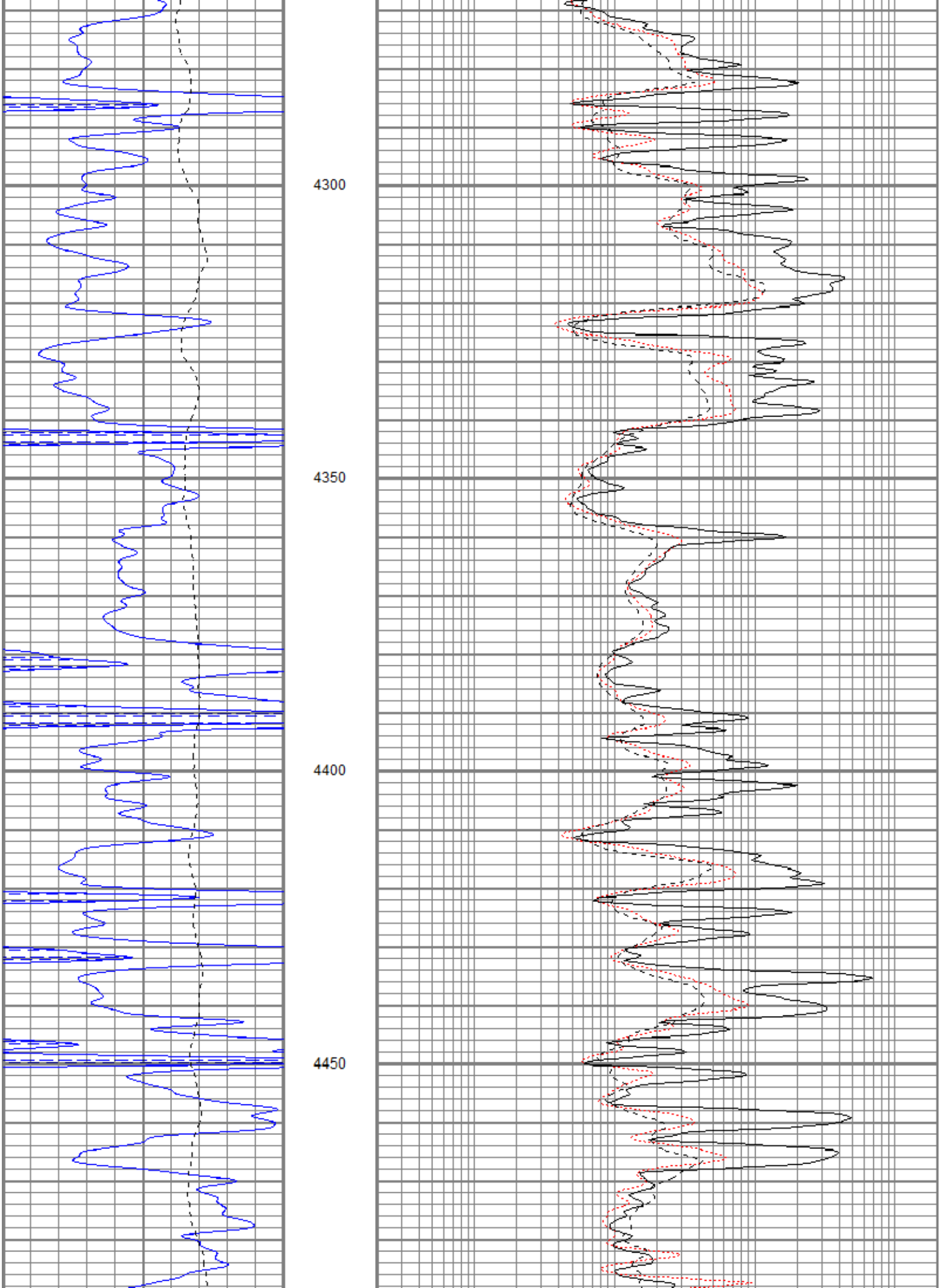
0.2	RILM (Ohm-m)	2000
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000

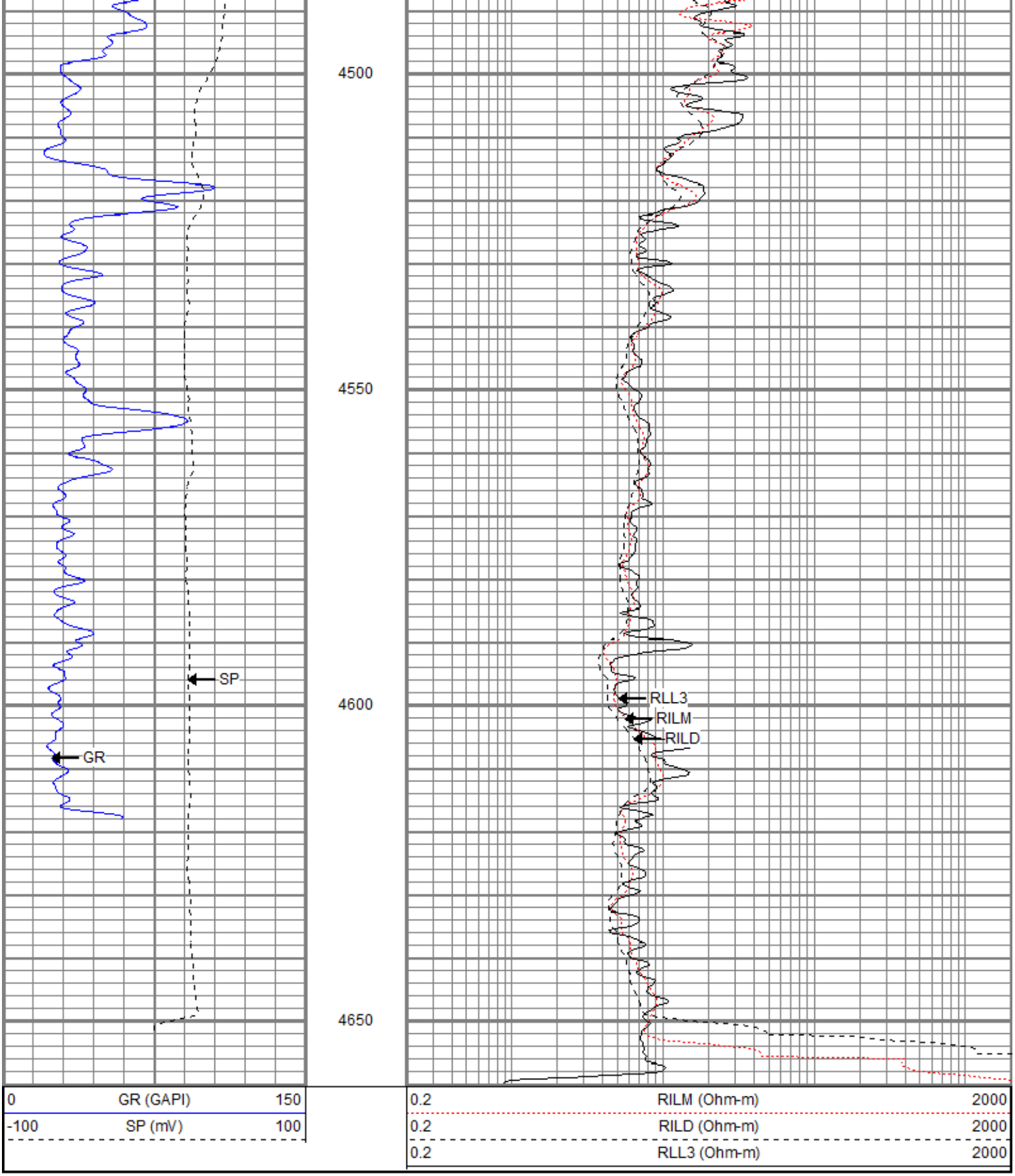



3650
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4000


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4100
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4200
4250


4300
4350
4400
4450



Calibration Report

Database File	ppblattnerunit#1oh.db
Dataset Pathname	pass3.1
Dataset Creation	Fri Aug 25 10:10:39 2017

Dual Induction Calibration Report

Serial-Model:	5375-G
Surface Cal Performed:	Tue Aug 15 10:21:23 2017

Downhole Cal Performed:	Tue Aug 15 10:22:14 2017
After Survey Verification Performed:	Tue Aug 15 10:22:14 2017

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.003	0.635	V	0.000	350.000	mmho/m	548.445	1.715
Medium	-0.001	0.717	V	0.000	400.000	mmho/m	556.583	0.684
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.003	0.635	V	0.000	350.000	mmho/m	548.268	1.663
Medium	-0.001	0.718	V	0.000	400.000	mmho/m	556.234	0.694

Downhole Calibration

	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.131	349.928	mmho/m	0.052	350.165	mmho/m	1.001	-0.079
Medium	-0.084	400.178	mmho/m	-0.010	400.241	mmho/m	1.000	0.073
Shallow	2.425	0.005	V	500.000	2.000	Ohm-m	205.838	0.894

After Survey Verification

	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.131	349.928	mmho/m	1.001	-0.079
Medium	0.000	0.000	mmho/m	-0.084	400.178	mmho/m	1.000	0.073
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:	lithgearhart	
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: Mon Aug 07 09:10:34 2017

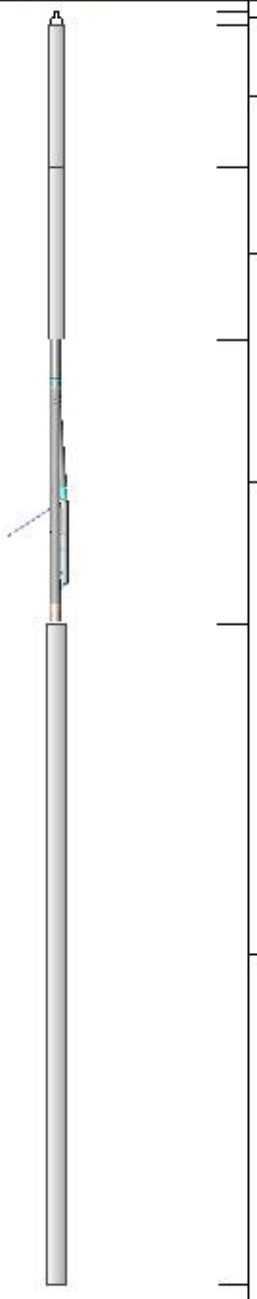
	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer					
	205.00	1843.00	-1.00	1.00	gee

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:	(Not Performed)	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Sensor	Offset (ft)
GR	40.07
ACCY	38.91
ACCX	38.91
SSTAT	38.49
PSTAT	37.66
ASTAT	37.66
GRD	36.82
TEMP	36.82
NEU	30.99
LStat	24.30
LS8	23.64
LS7	23.64
LS6	23.64
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
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



Description	Length (ft)	O.D. (in)	Weight (lb)
CHD-STD	0.50	1.69	1.00
ADT-WOMC (WithOutMC) Telemetry Without Mud Cell	4.58	3.50	120.00
NEU-lithgearhart (2017) gearhart for litho	5.65	3.50	85.00
ADT1LITH-A (1) Admyr Litho Density Tool	9.29	3.50	240.00
DIL-G (5375) Gearhart	21.47	4.00	345.00

Dataset: ppblattnerunit#1oh.db: field/well/run1/pass3.1
Total length: 41.49 ft
Total weight: 791.00 lb

Total weight:	791.00 lb
O.D.:	4.00 in