



**DUAL IND / DUAL COMP
POROSITY LOG**

Company RITCHEE EXPLORATION, INC.
Well BANGERTER 12C NO.1
Field WILDCAT
County WICHITA
State KANSAS

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Well BANGERTER 12C NO.1
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County WICHITA State KANSAS

Location: API #: 15-203-203335-00-00
343' FSL & 925' FWL
SEC 12 TWP 15S RGE 38W
Permanent Datum GROUND LEVEL Elevation 3419'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING
Other Services NONE
Elevation K.B. 3431'
D.F. N/A
G.L. 3419'

Date	5/31/2018
Run Number	ONE
Depth Driller	5085'
Depth Logger	5090'
Bottom Logged Interval	5089'
Top Log Interval	3600'
Casing Driller	8.625" @ 267'
Casing Logger	264'
Bit Size	7.875"
Type Fluid in Hole	CHEMICAL
Salinity, ppm CL	5400
Density / Viscosity	9.6 60
pH / Fluid Loss	10.0 8.8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.55 @ 74
Rmt @ Meas. Temp	.41 @ 74
Rmc @ Meas. Temp	.74 @ 74
Source of Rmf / Rmc	CHARTS
Rm @ BHT	.32 @ 127
Operating Rig Time	5 HOURS
Max Rec. Temp. F	127 DEGF
Equipment Number	108
Location	HAYS
Recorded By	J. HENRICKSON
Witnessed By	MAX LOVELY

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

RUSSELL SPRINGS
SOUTH TO D ROAD, 5 WEST, 1 NORTH, 3/4 WEST, NORTH INTO

Log Measured From: KELLY BUSHING 12 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerenergy.com 785-625-3858

Your Pioneer Energy Services Crew	This Log Record Was Witnessed By
Engineer: J. HENRICKSON	Primary Witness: MAX LOVELY
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

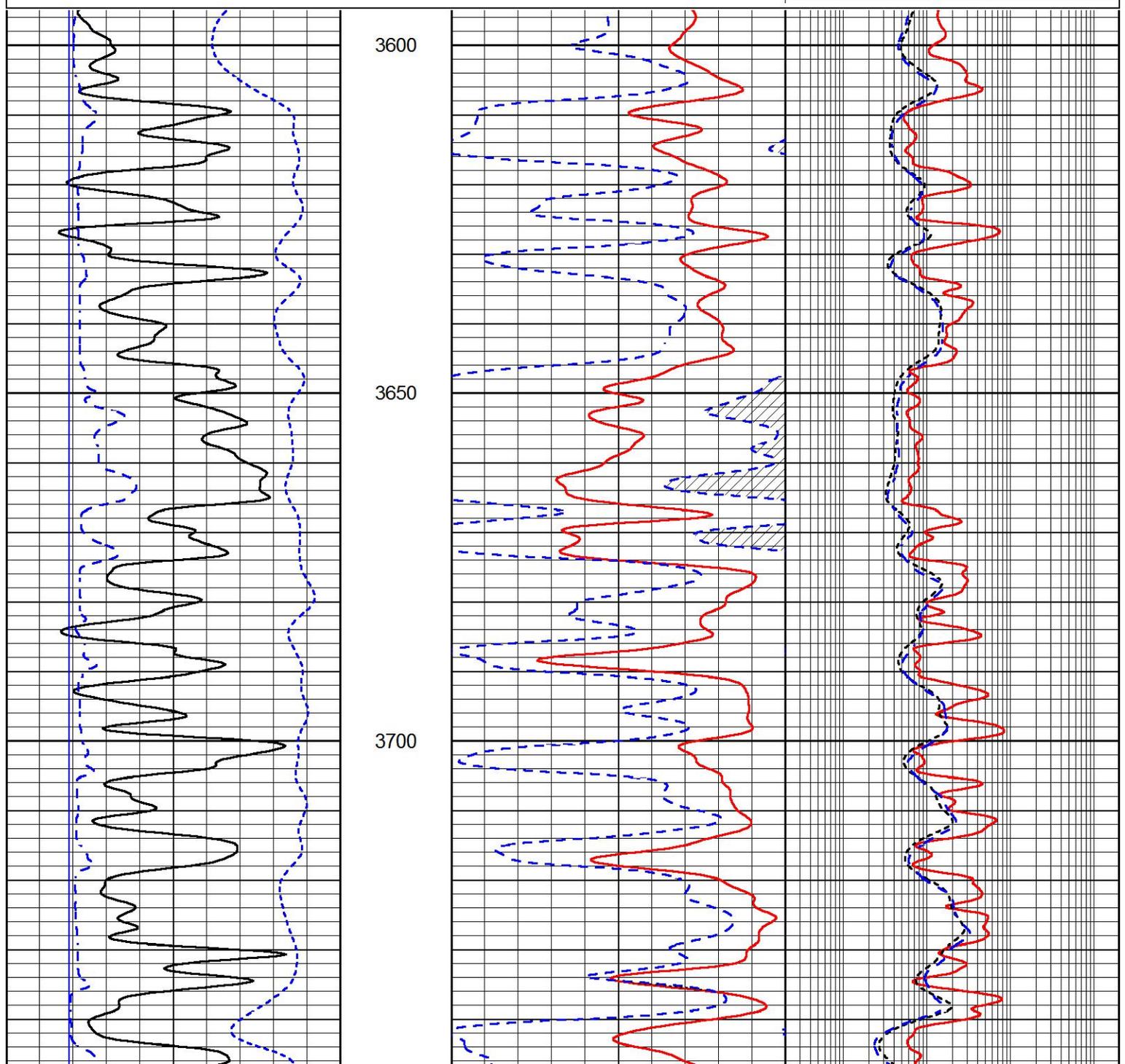
MAIN PASS

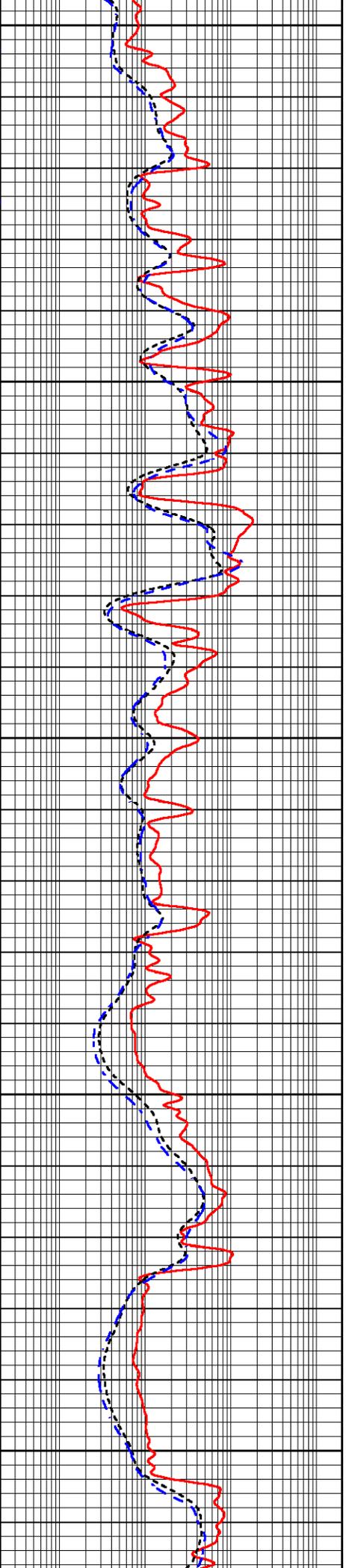
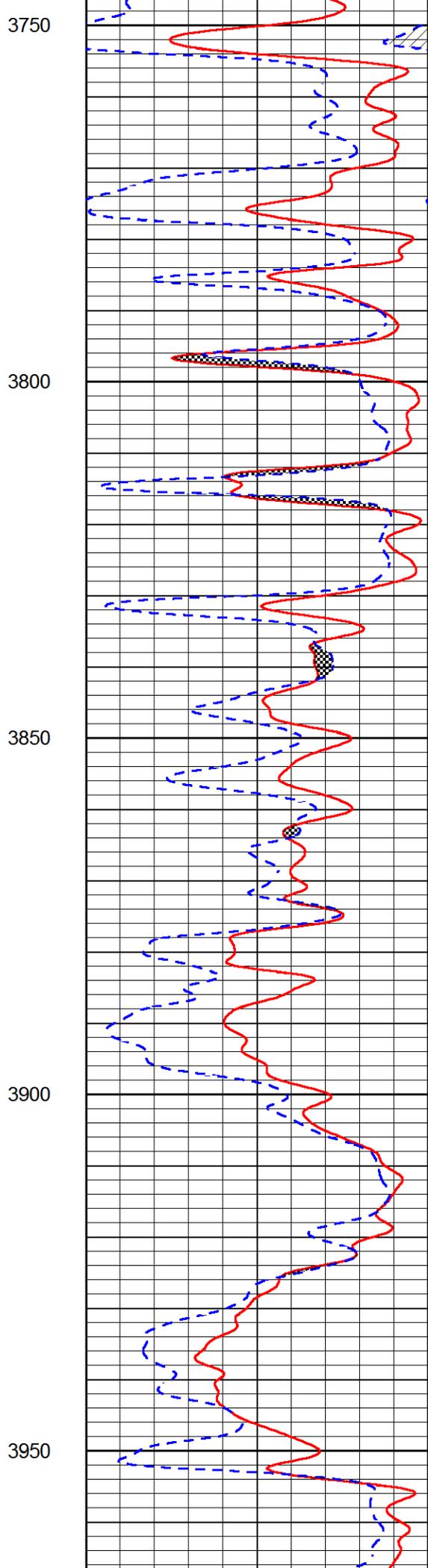
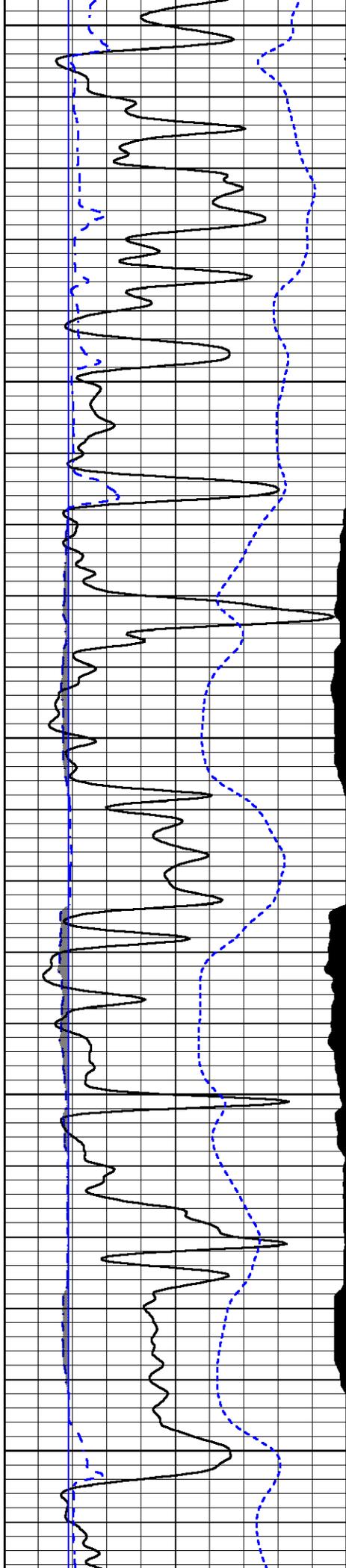
Database File ritchie_bangerter_12c_1.db
 Dataset Pathname stack/pass4.1
 Presentation Format RITCHC~1
 Dataset Creation Thu May 31 22:25:31 2018
 Charted by Depth in Feet scaled 1:240

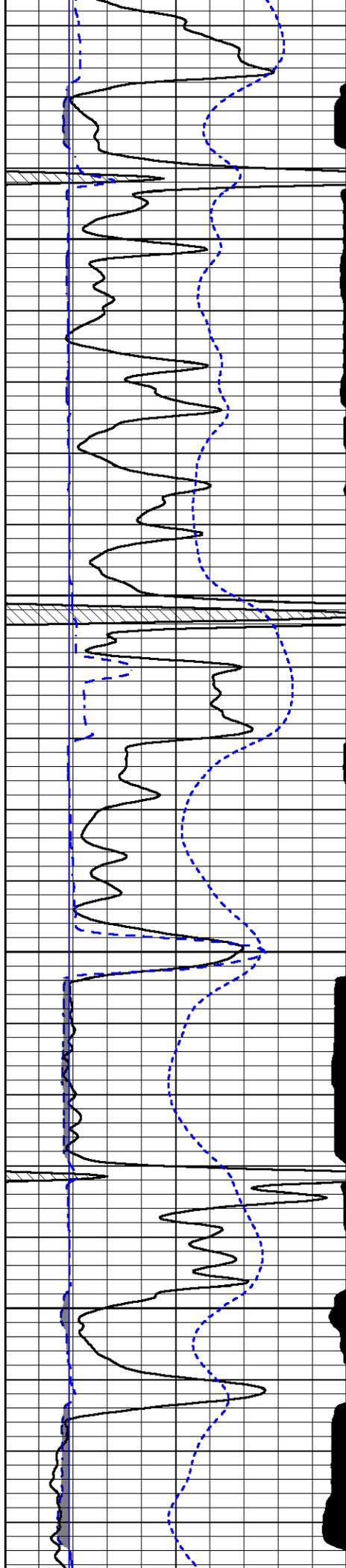
0	GAMMA RAY (GAPI)	150
150	GR (GAPI)	300
6	CALIPER (in)	16
2.875	DCAL (in)	7.875
-200	SP (mV)	0

30	DENSITY POROSITY (pu)	0
30	NEUTRON POROSITY (pu)	0

SHALLOW GUARD		
0.2	(Ohm-m)	2000
MEDIUM INDUCTION		
0.2	(Ohm-m)	2000
DEEP INDUCTION		
0.2	(Ohm-m)	2000





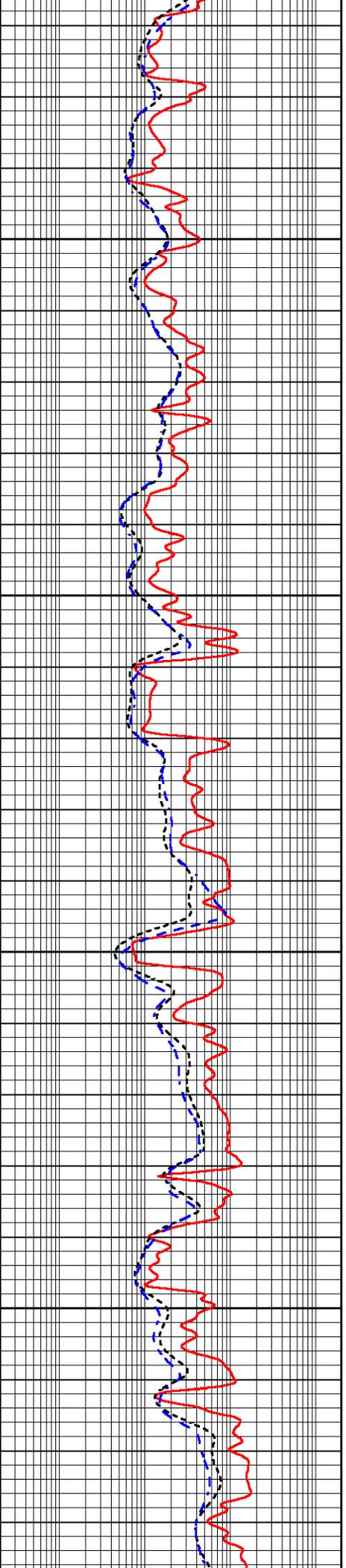
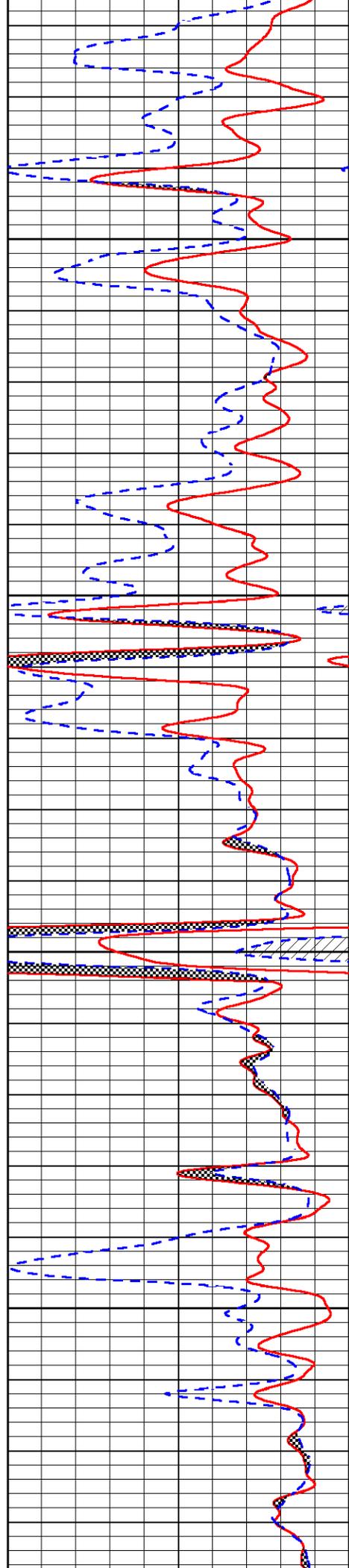


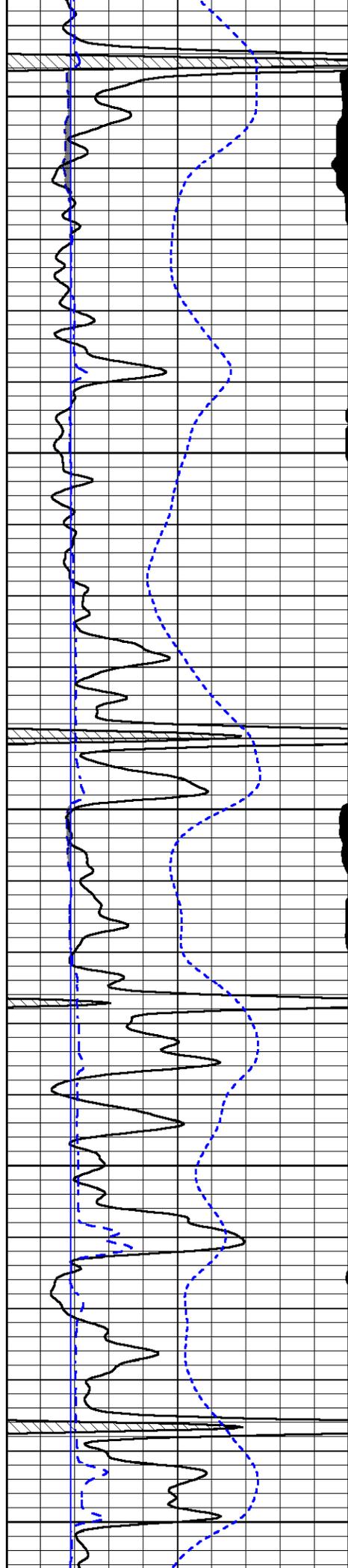
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4050

4100

4150





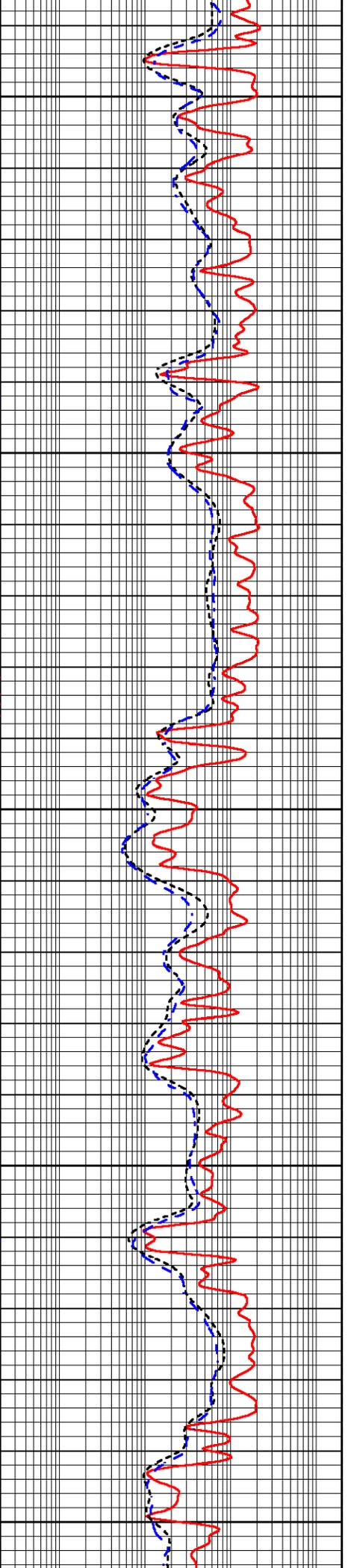
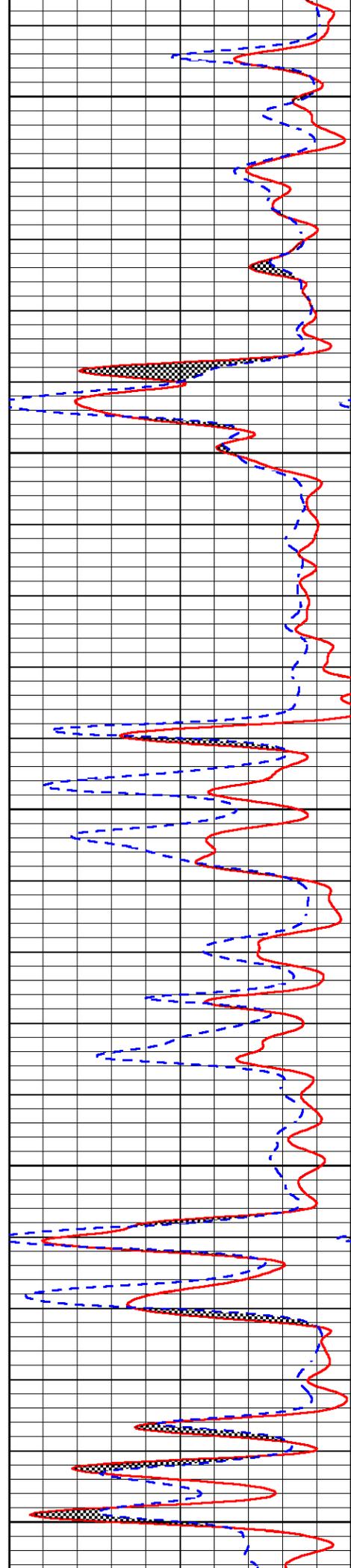
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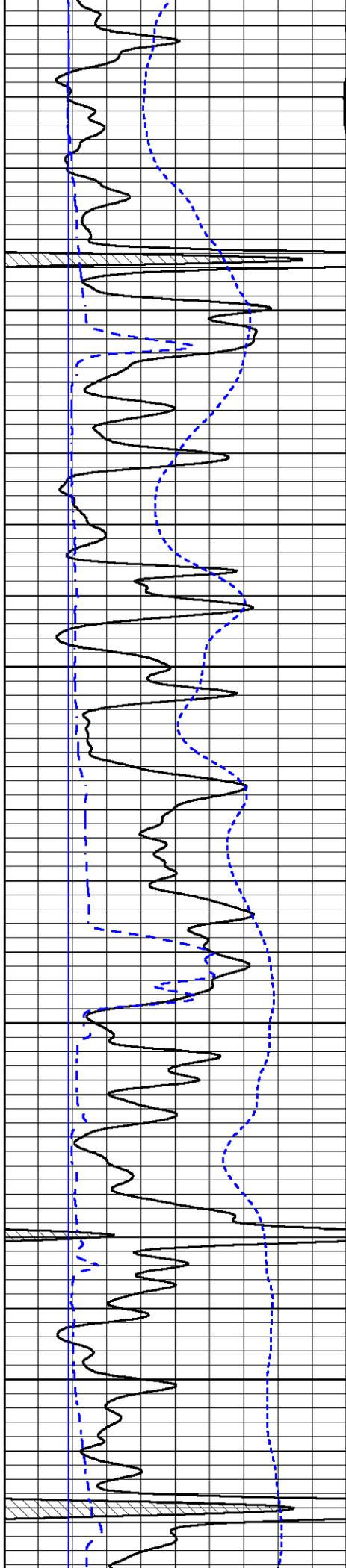
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4300

4350

4400



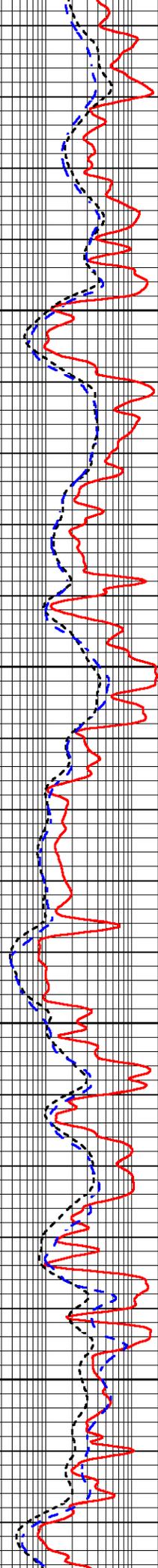
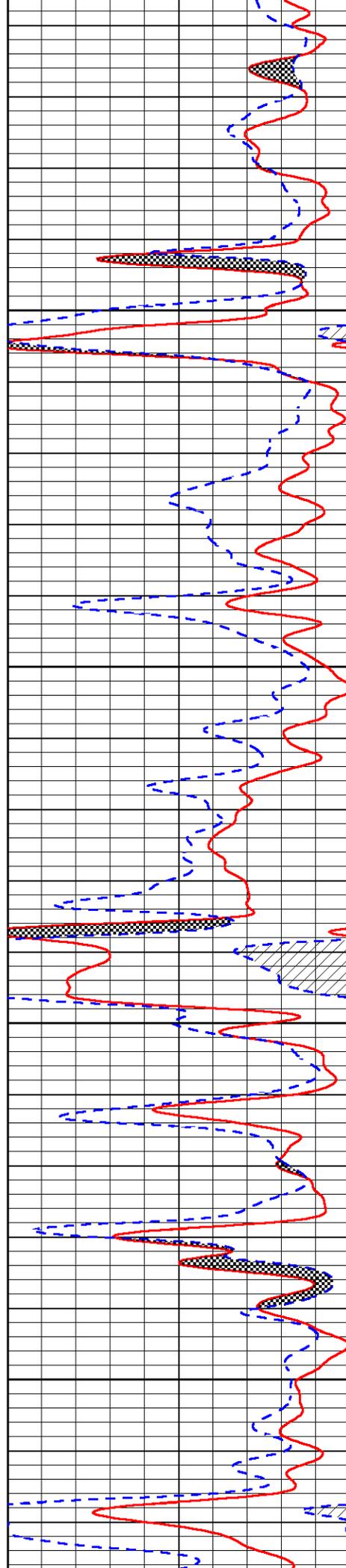


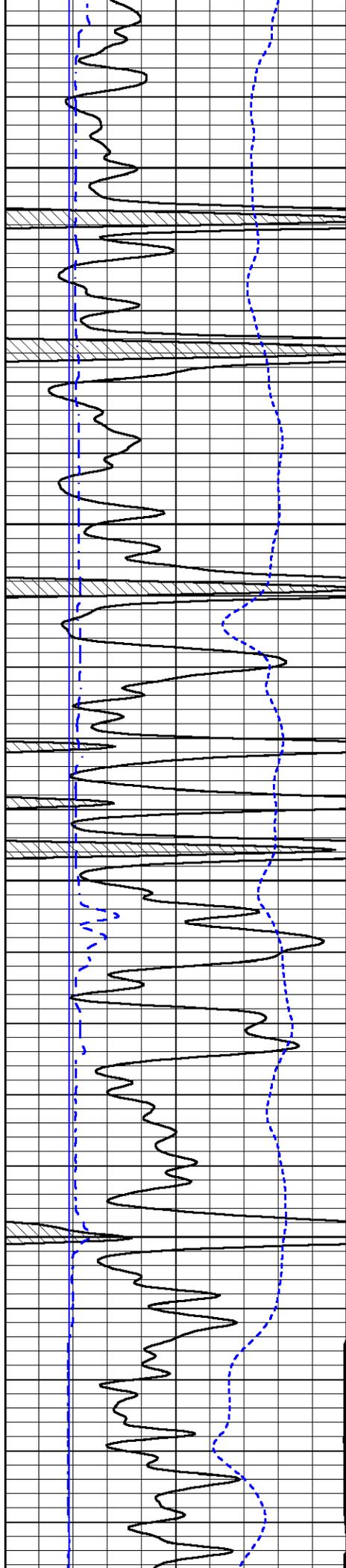
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4500

4550

4600



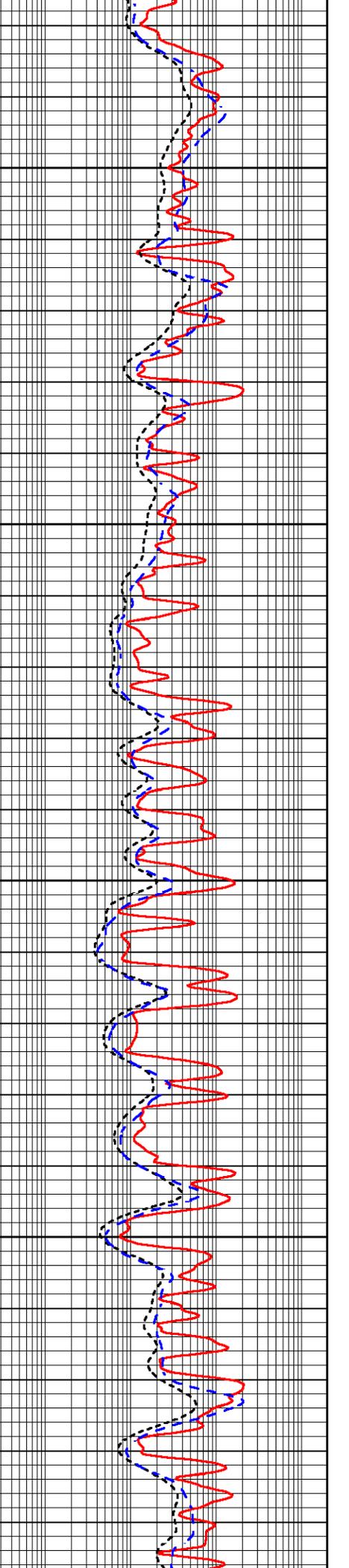
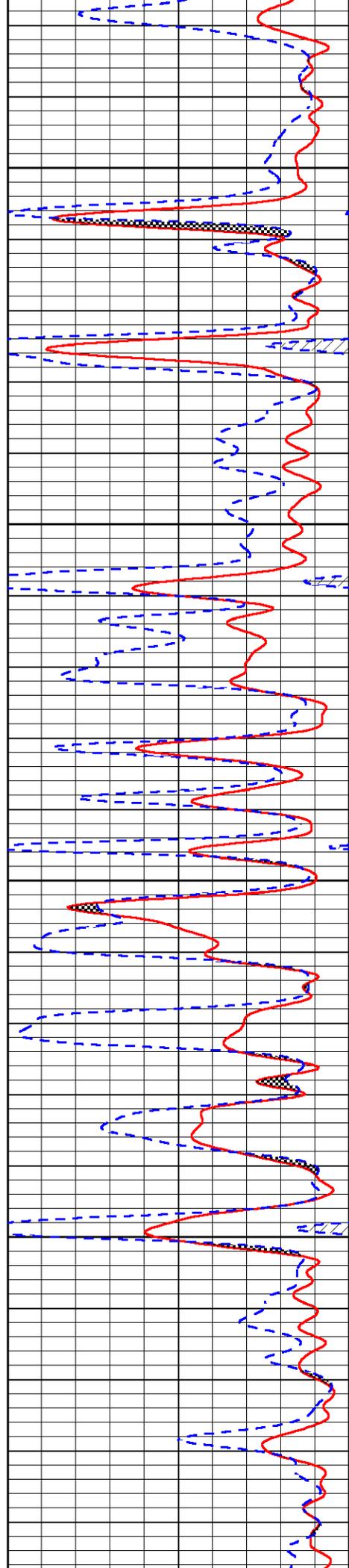


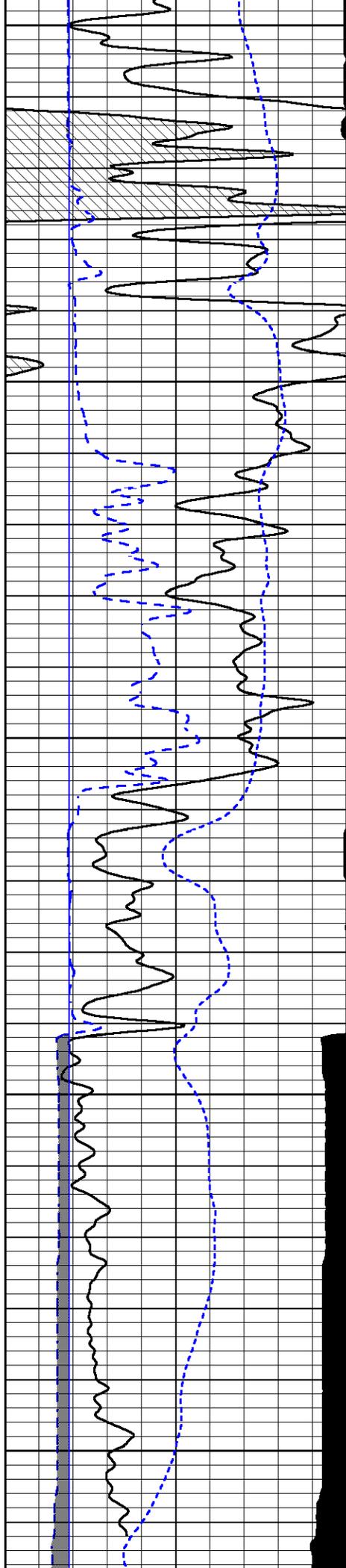
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4700

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4800





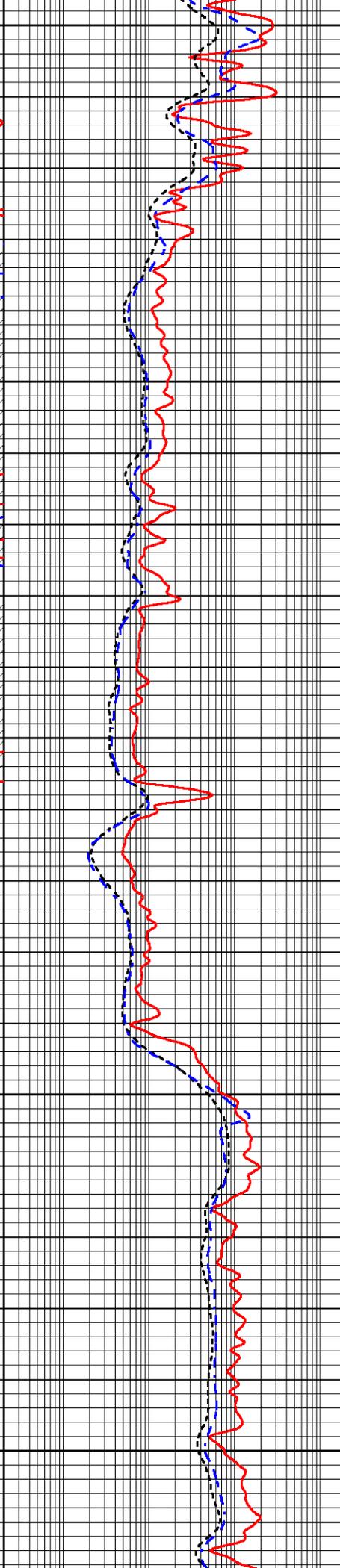
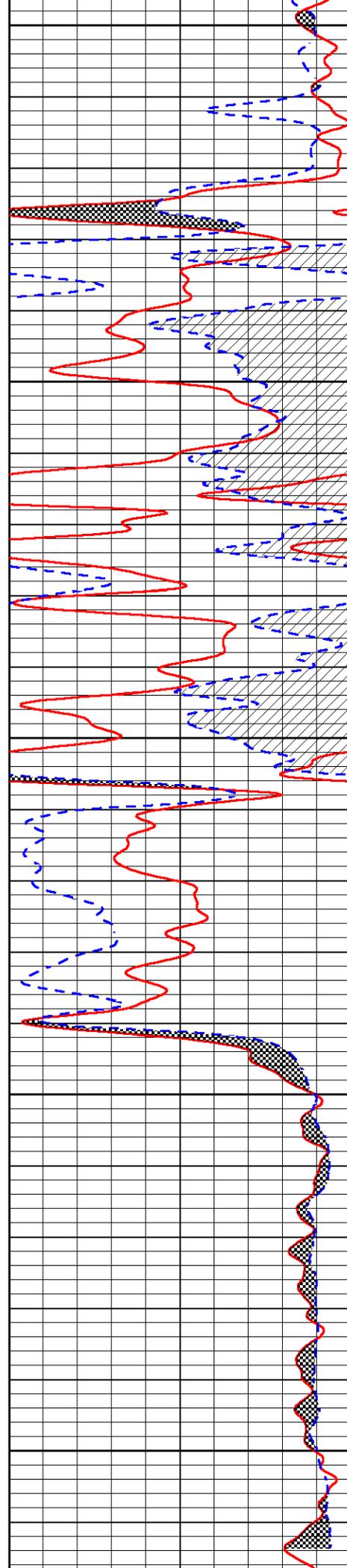
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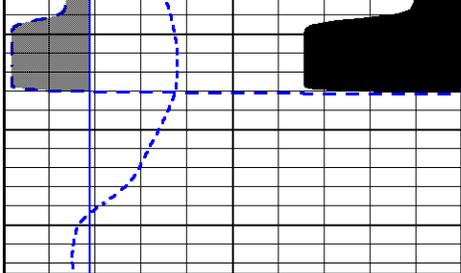
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4950

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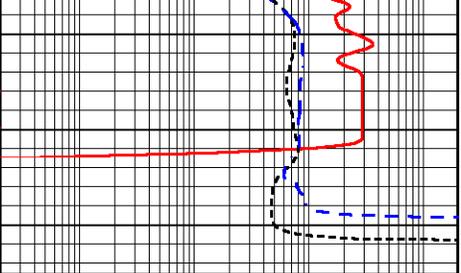




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