



**DUAL
INDUCTION
LOG**

Company	John O. Farmer, Inc.	Location:	API #: 15 193 20964	Other Services
Well	Leiker Unit #1		2620' FSL & 540' FWL	ML CDNL
Field	Wildcat	Permanent Datum	SEC 12 TWP 6S RGE 33W	Elevation
County	Thomas	Log Measured From	Ground Level	K.B. 3086'
State	KS	Drilling Measured From	Elevation	D.F. 3085'
				G.L. 3078'

Date	7-25-16
Run Number	One
Depth Driller	4610'
Depth Logger	4612'
Bottom Logged Interval	4610'
Top Log Interval	200'
Casing Driller	263'
Casing Logger	263'
Bit Size	7 7/8"
Type Fluid in Hole	Chemical Mud
Density / Viscosity	9.3/56
PH / Fluid Loss	10/9.6
Source of Sample	Pit
Rm @ Meas. Temp	2.5@76degf
Rmf @ Meas. Temp	1.87@76degf
Rmc @ Meas. Temp	3.0@76degf
Source of Rmf / Rmc	Calculated
Rm @ BHT	1.52@125degf
Time Circulation Stopped	10:30 p.m.
Time Logger on Bottom	12:45 a.m.
Maximum Recorded Temperature	125 degf
Equipment Number	T127
Location	Hays, KS.
Recorded By	Gus Pfannenstiel
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

North of Colby to DD Rd., East 4 miles

Thank you for using Gemini Wireline
785-625-1182



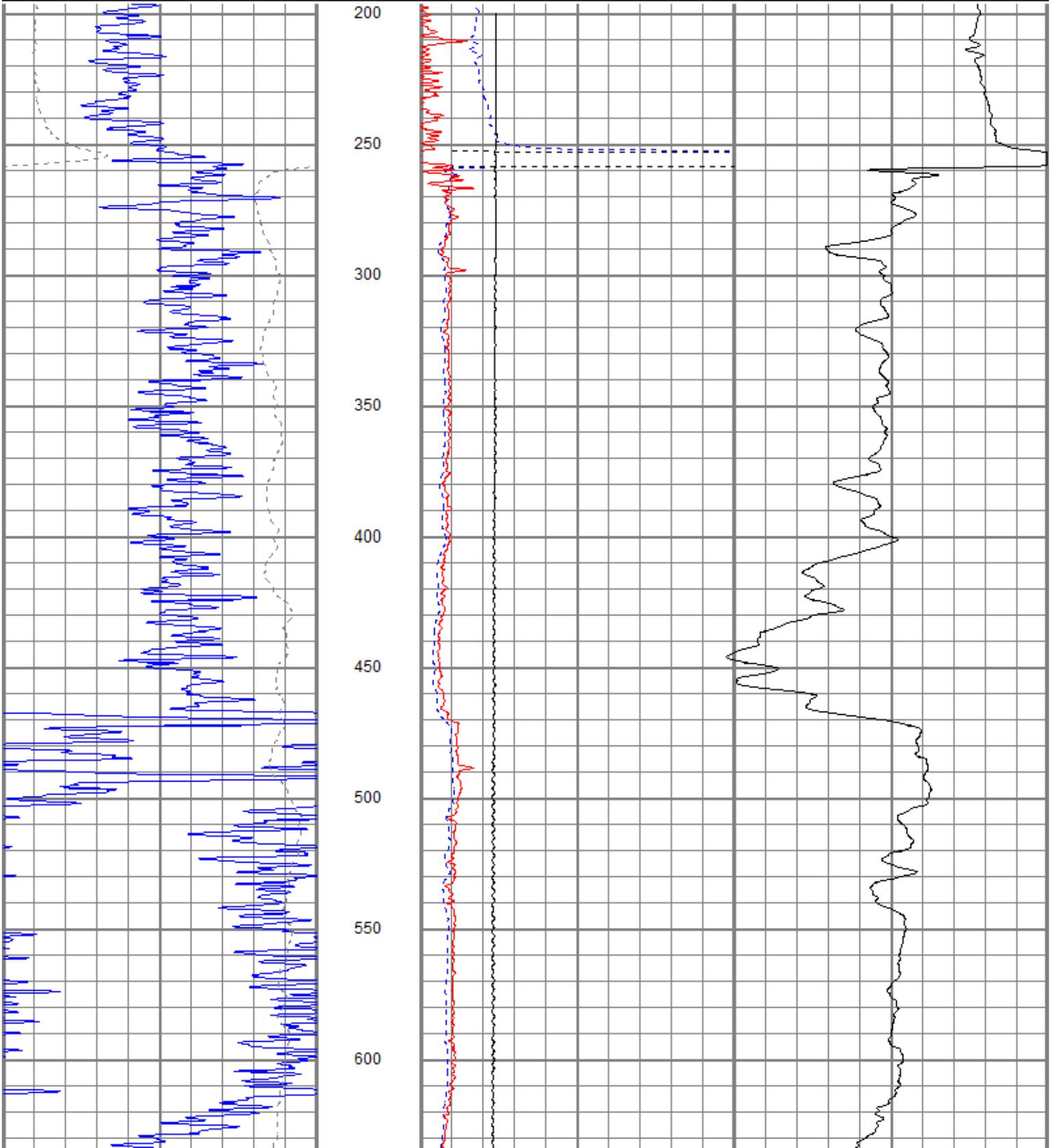
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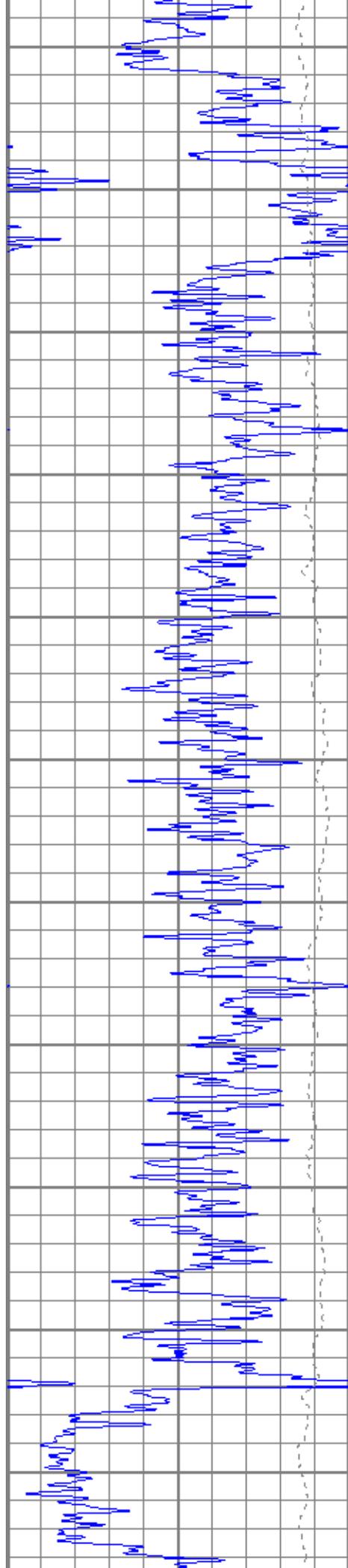
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 Dataset Pathname pass2
 Presentation Format kdillin2
 Dataset Creation Mon Jul 25 01:00:41 2016
 Charted by Depth in Feet scaled 1:600

0	GR (GAPI)	150
-200	SP (mV)	0

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

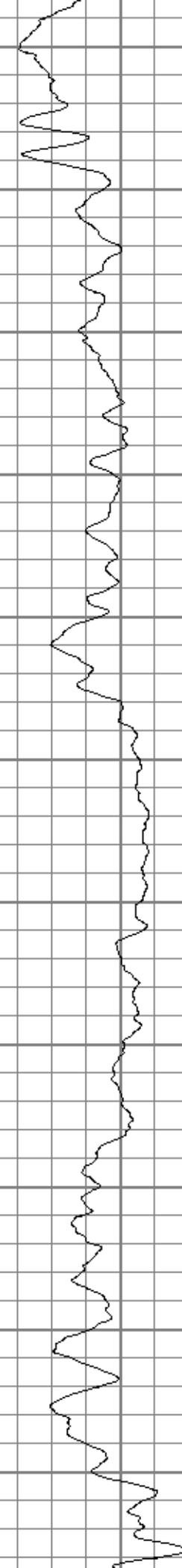
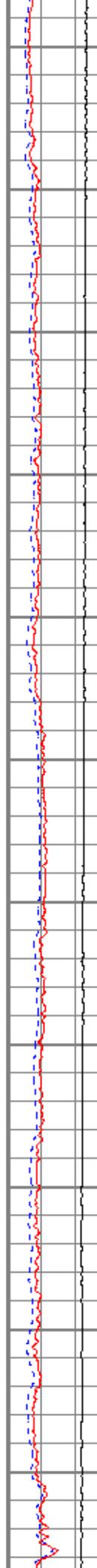
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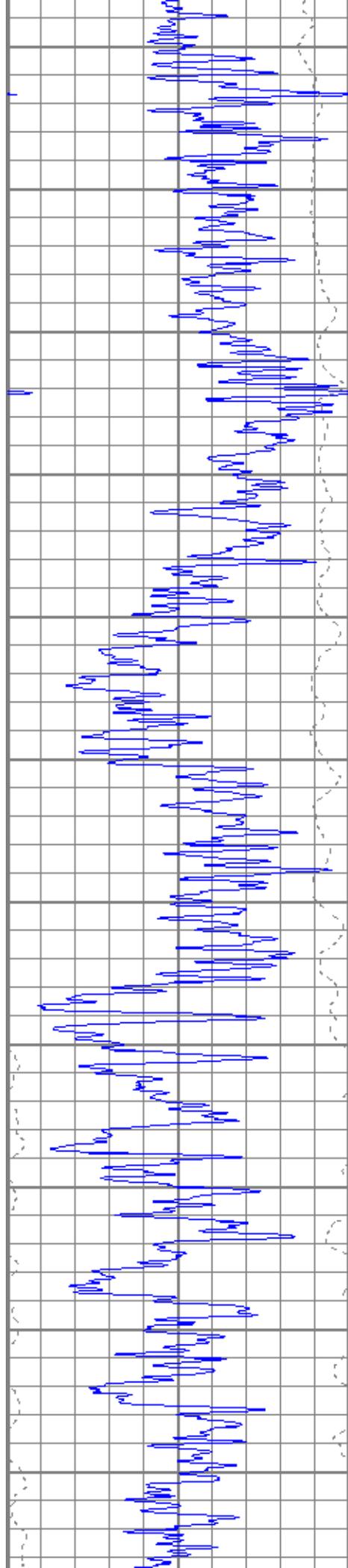
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1050

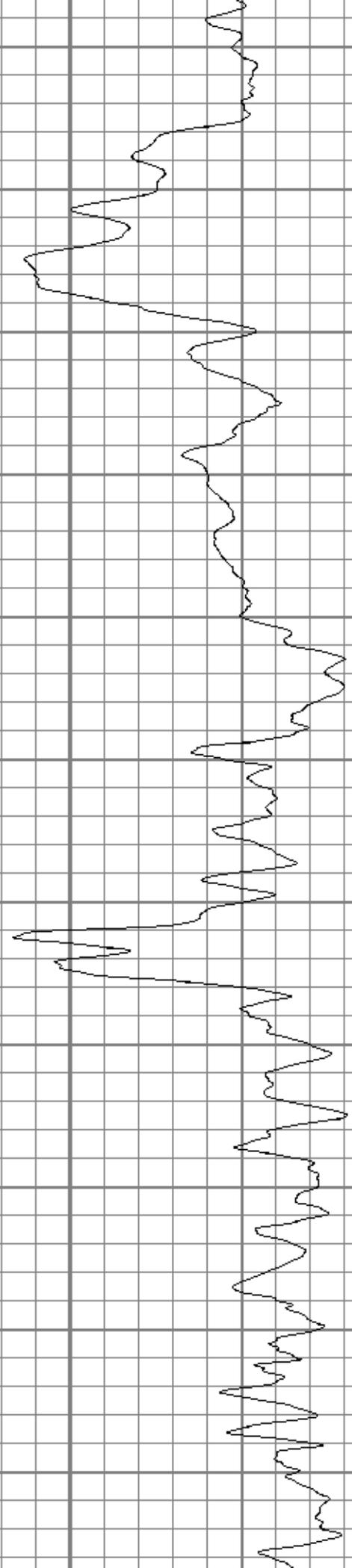
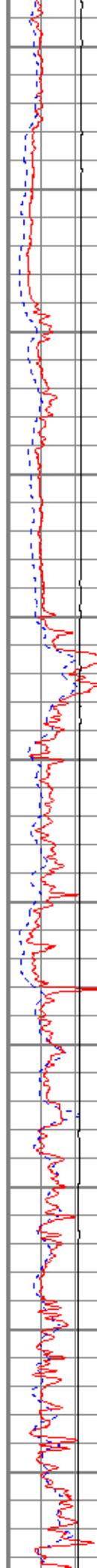
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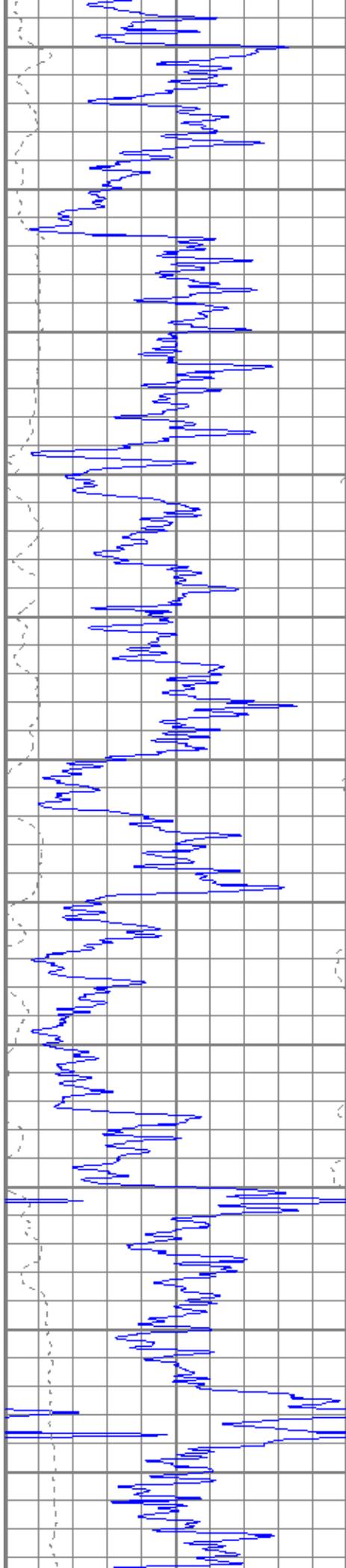
1150





1200
1250
1300
1350
1400
1450
1500
1550
1600
1650
1700





1750

1800

1850

1900

1950

2000

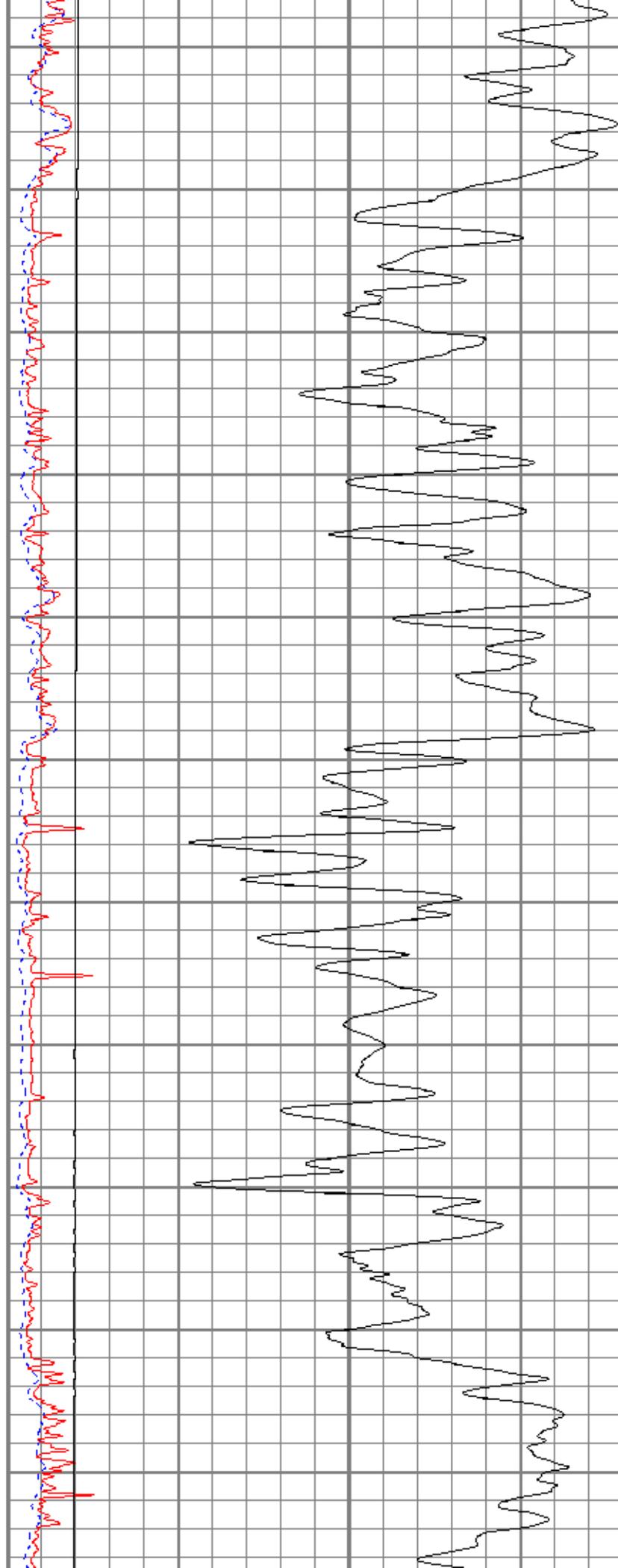
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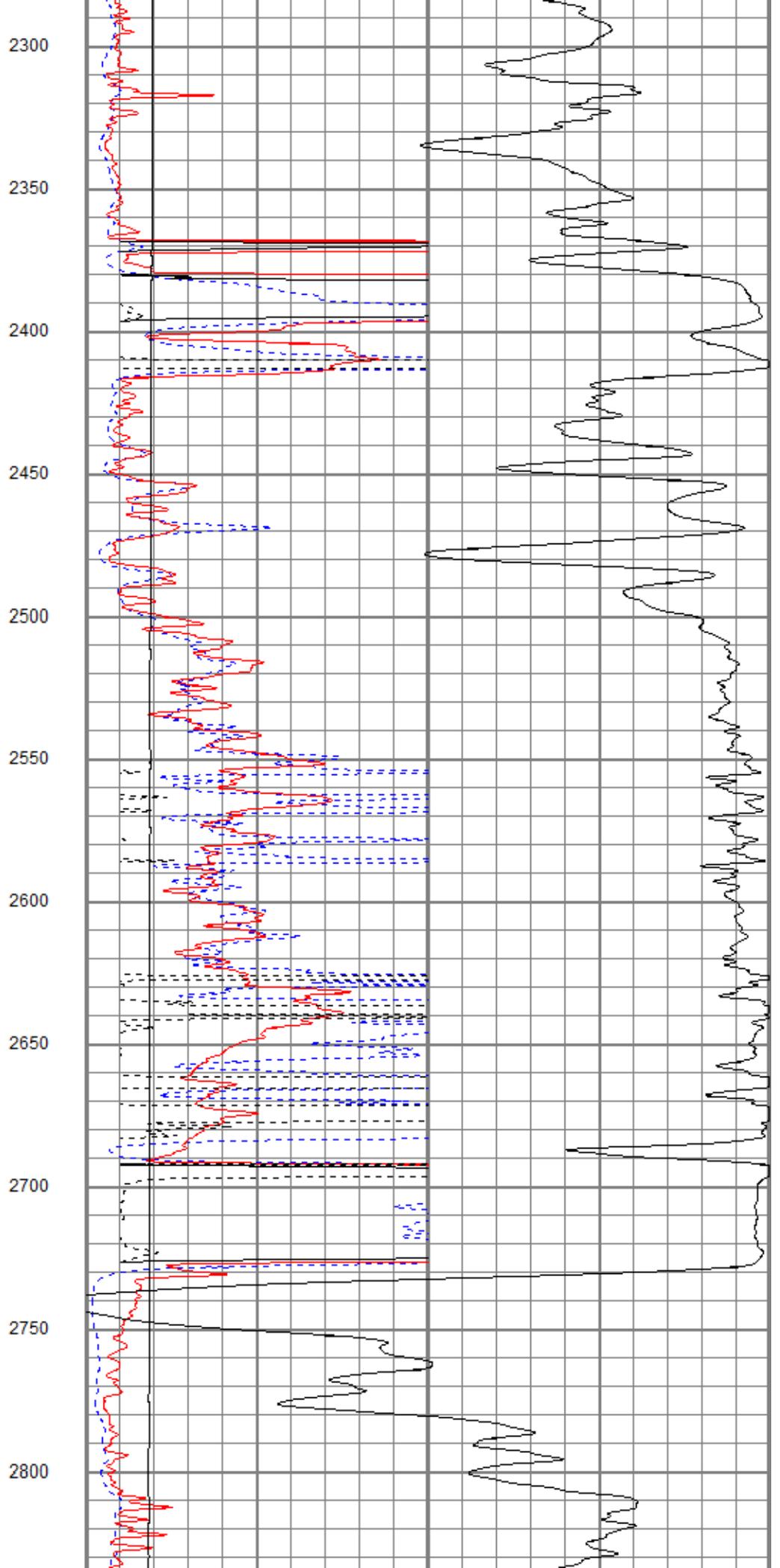
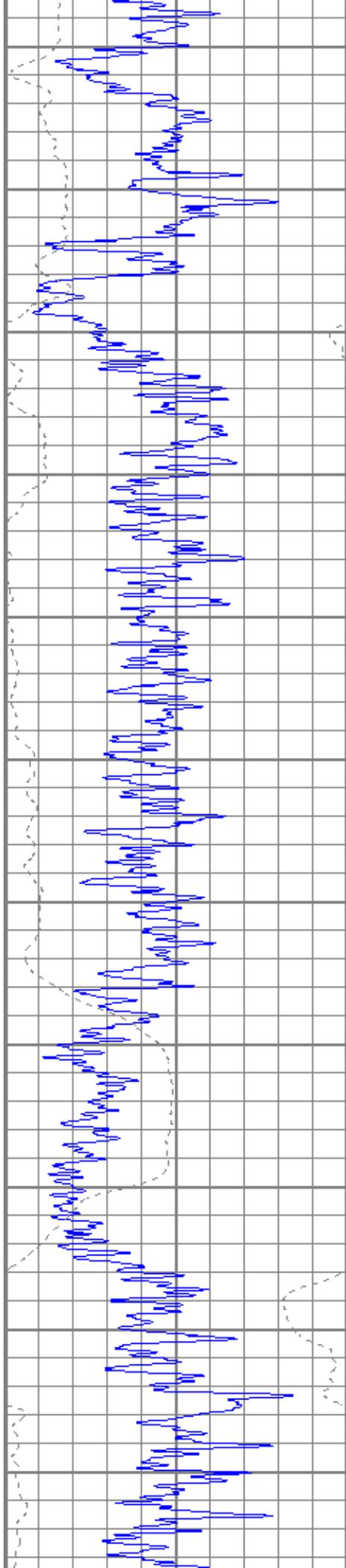
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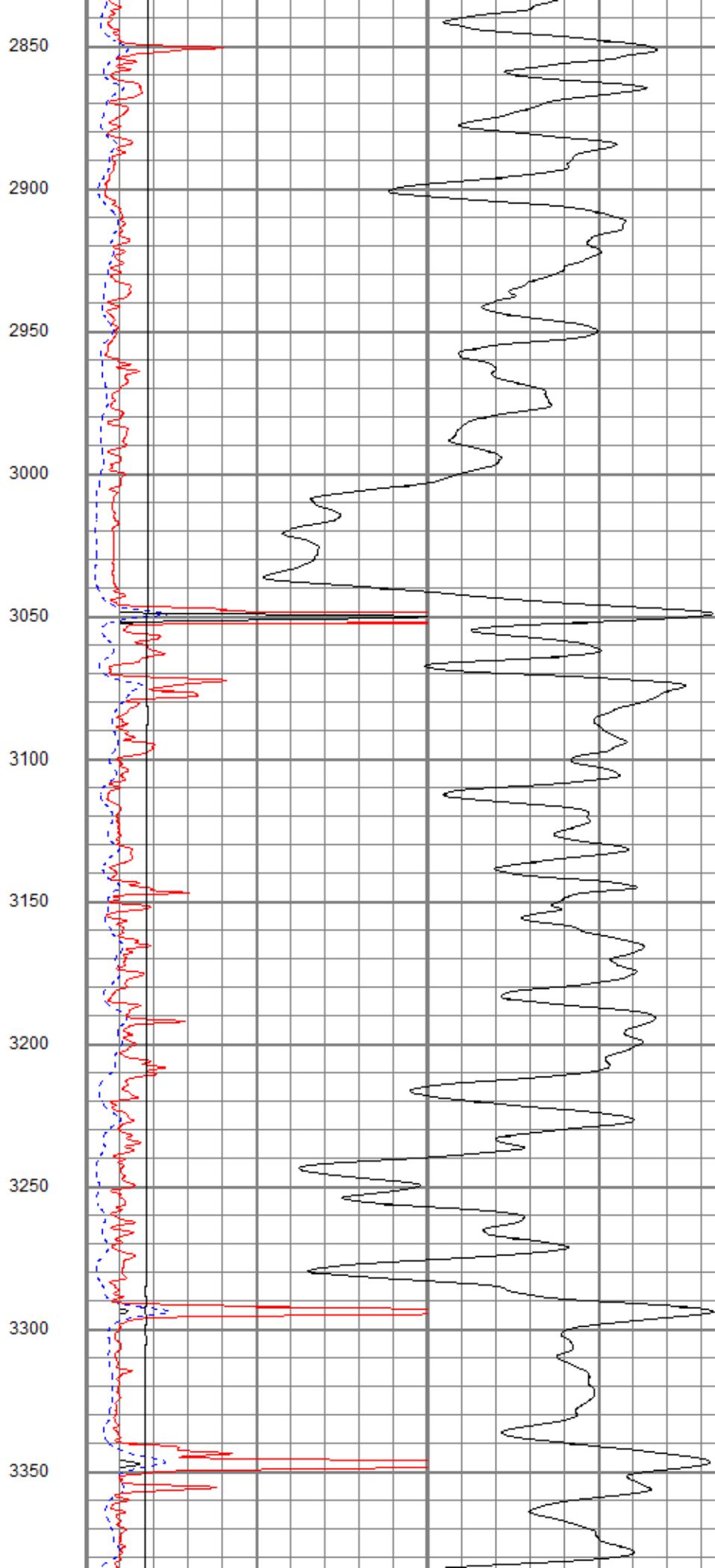
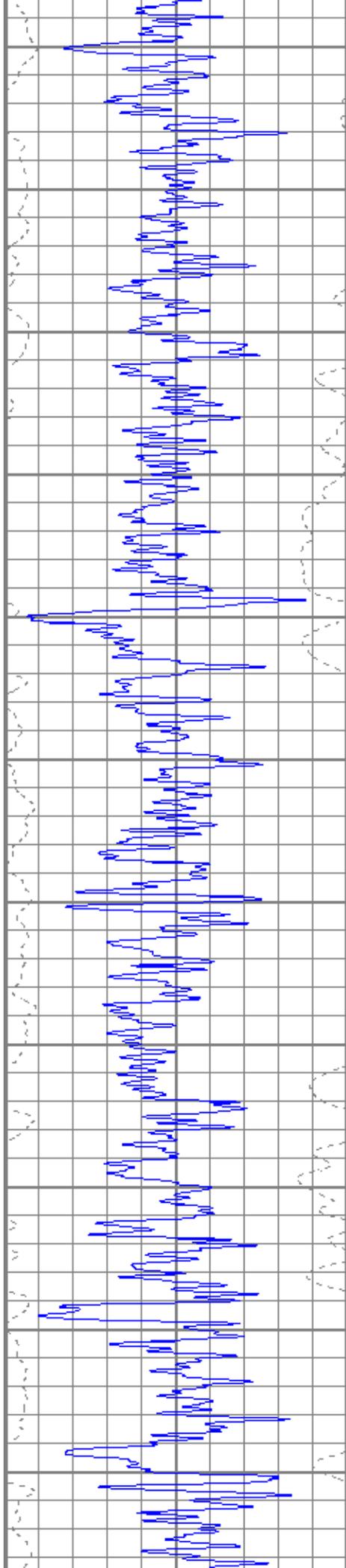
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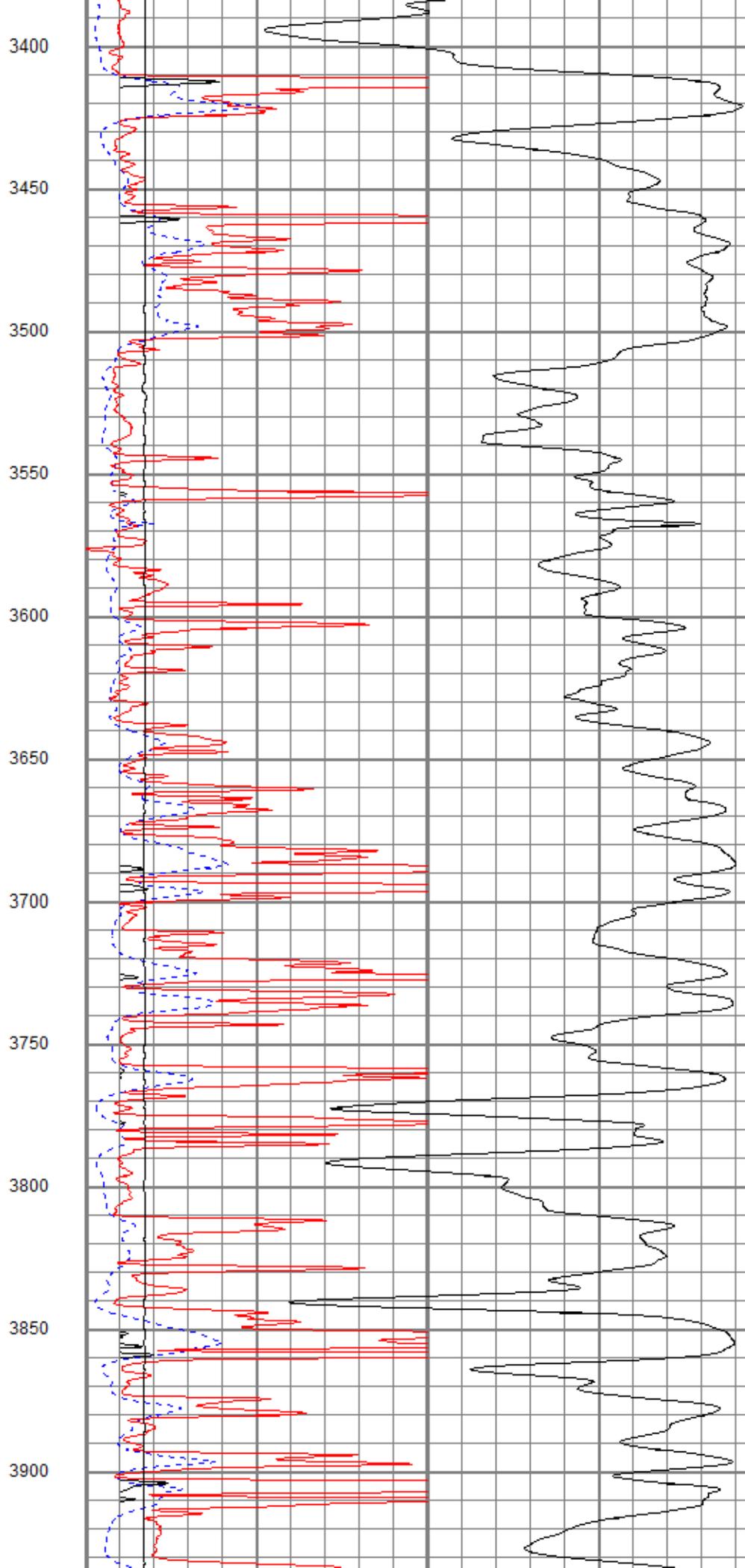
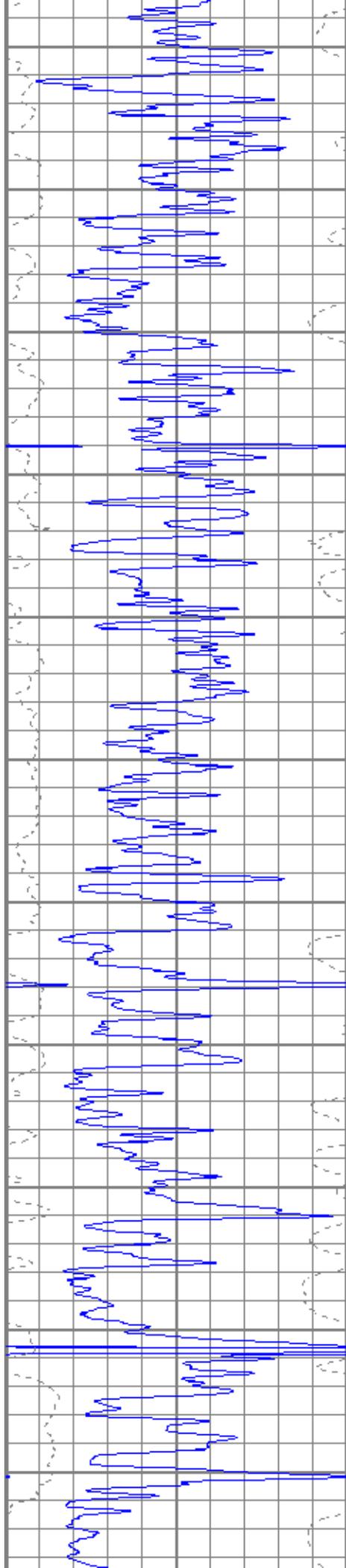
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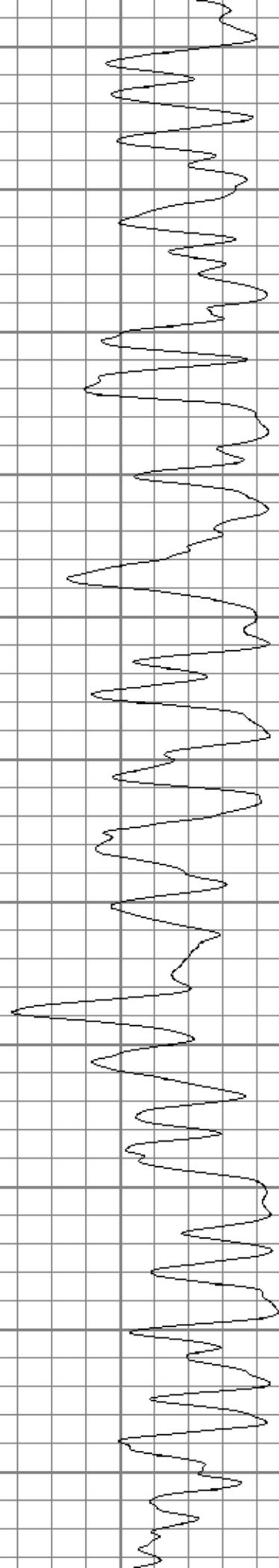
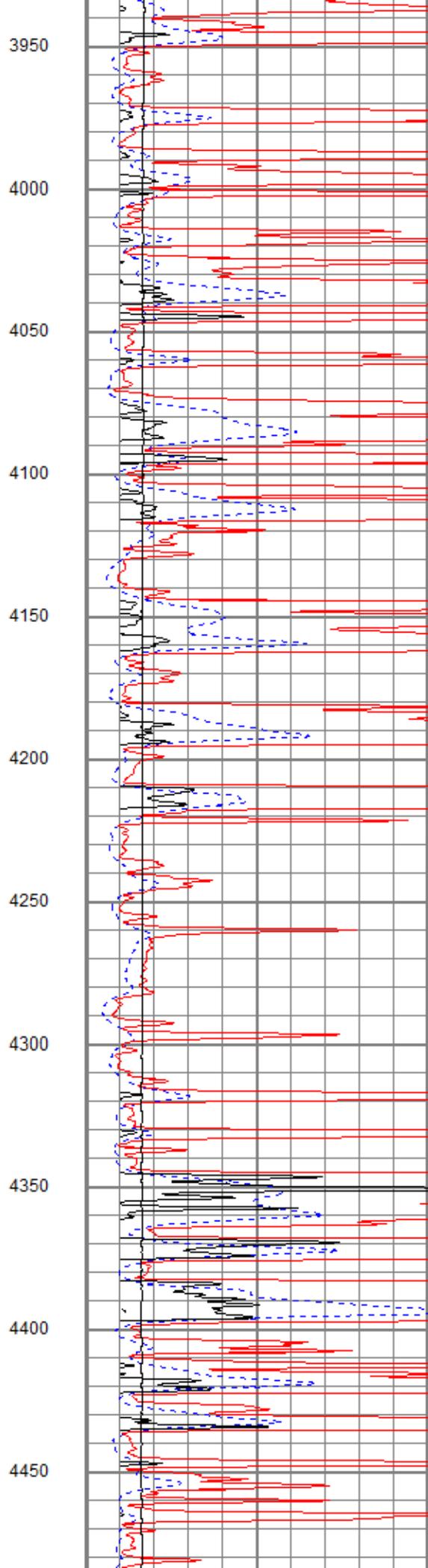
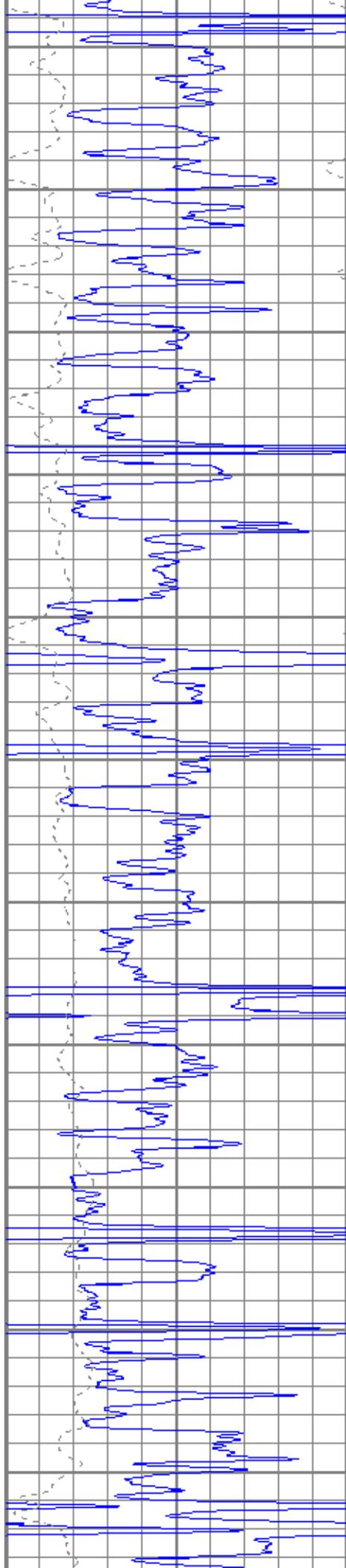
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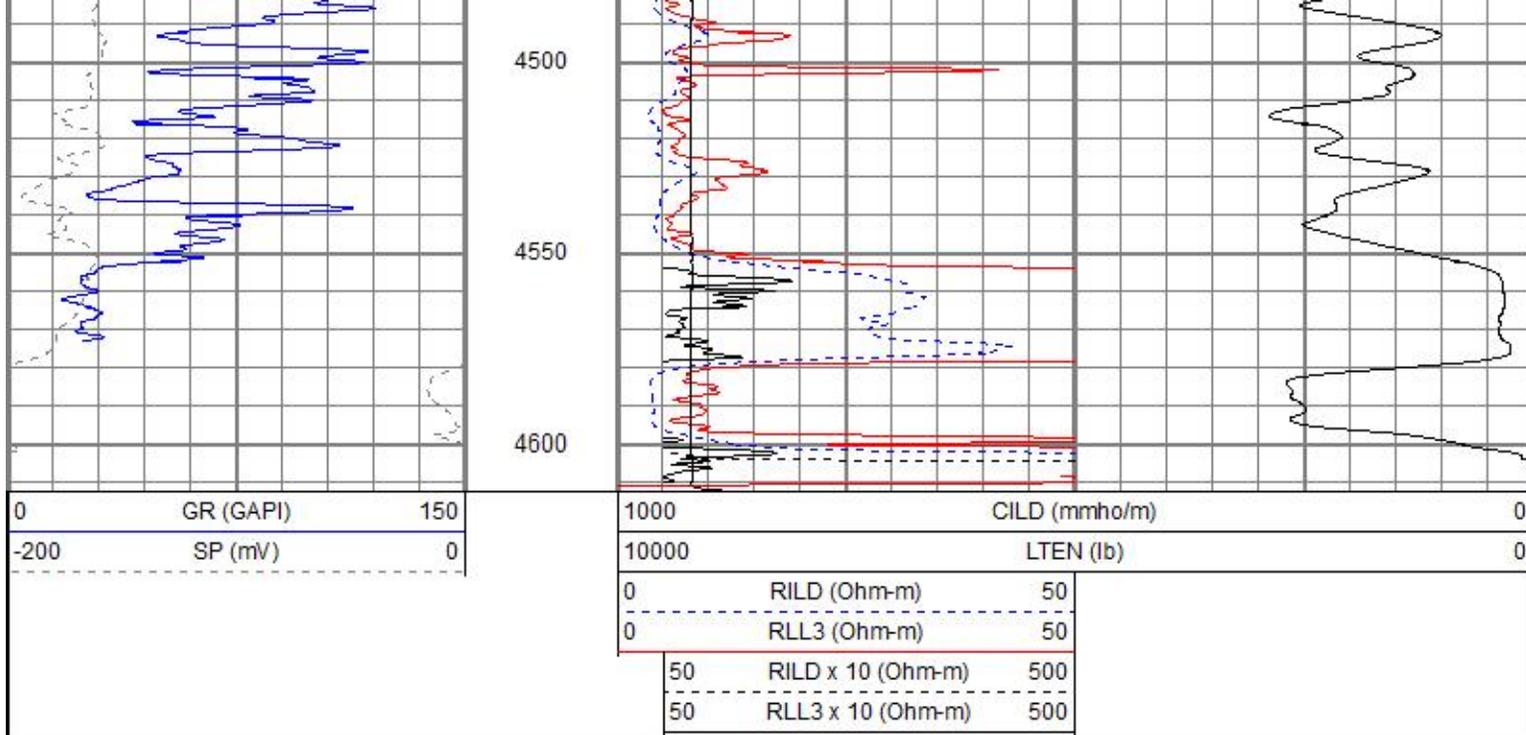










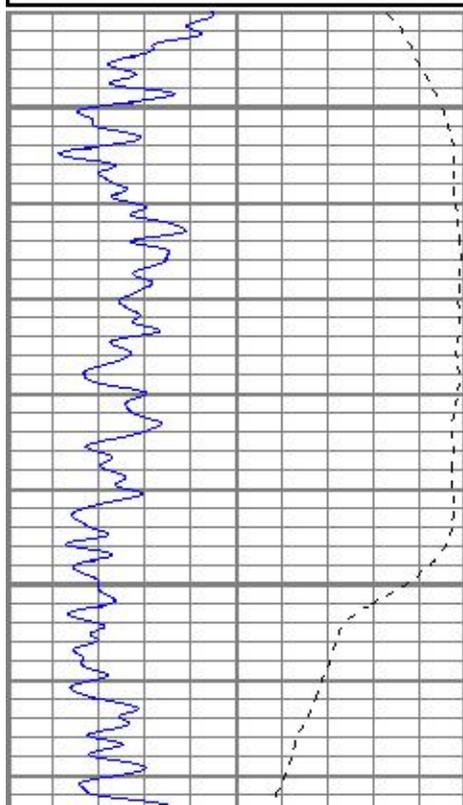


Main Pass

Database File: jofleikerunit#1oh.db
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 Presentation Format: kdil
 Dataset Creation: Mon Jul 25 01:00:41 2016
 Charted by: Depth in Feet scaled 1:240

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

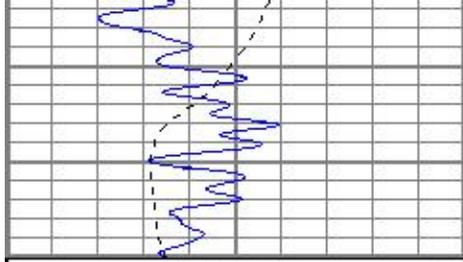
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000



2650

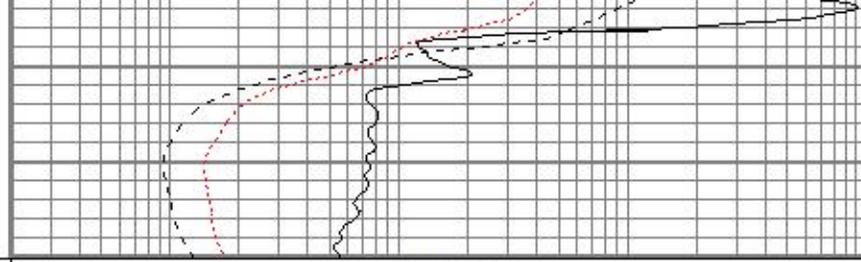
2700





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

2750



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

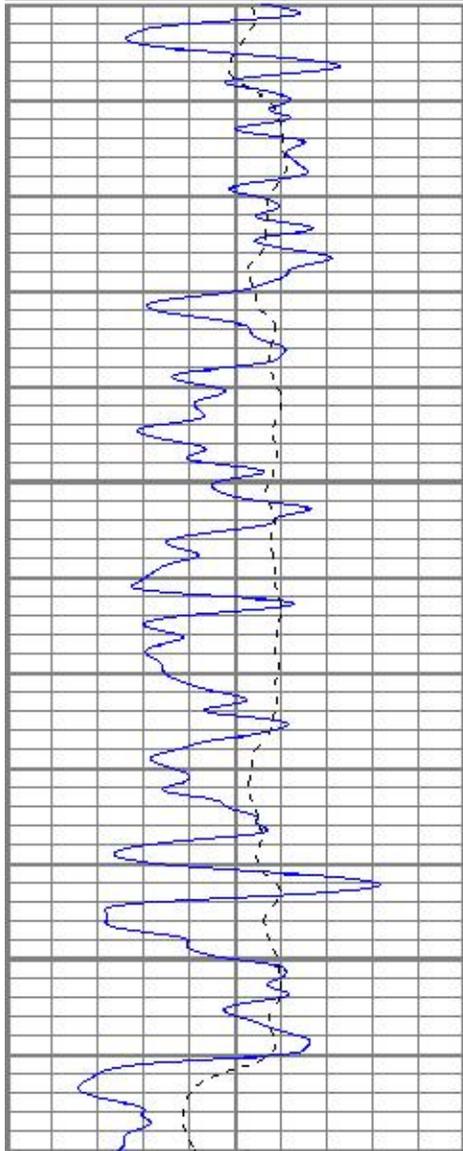


Main Pass

Database File jofleikerunit#1oh.db
 Dataset Pathname pass2
 Presentation Format kdil
 Dataset Creation Mon Jul 25 01:00:41 2016
 Charted by Depth in Feet scaled 1:240

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

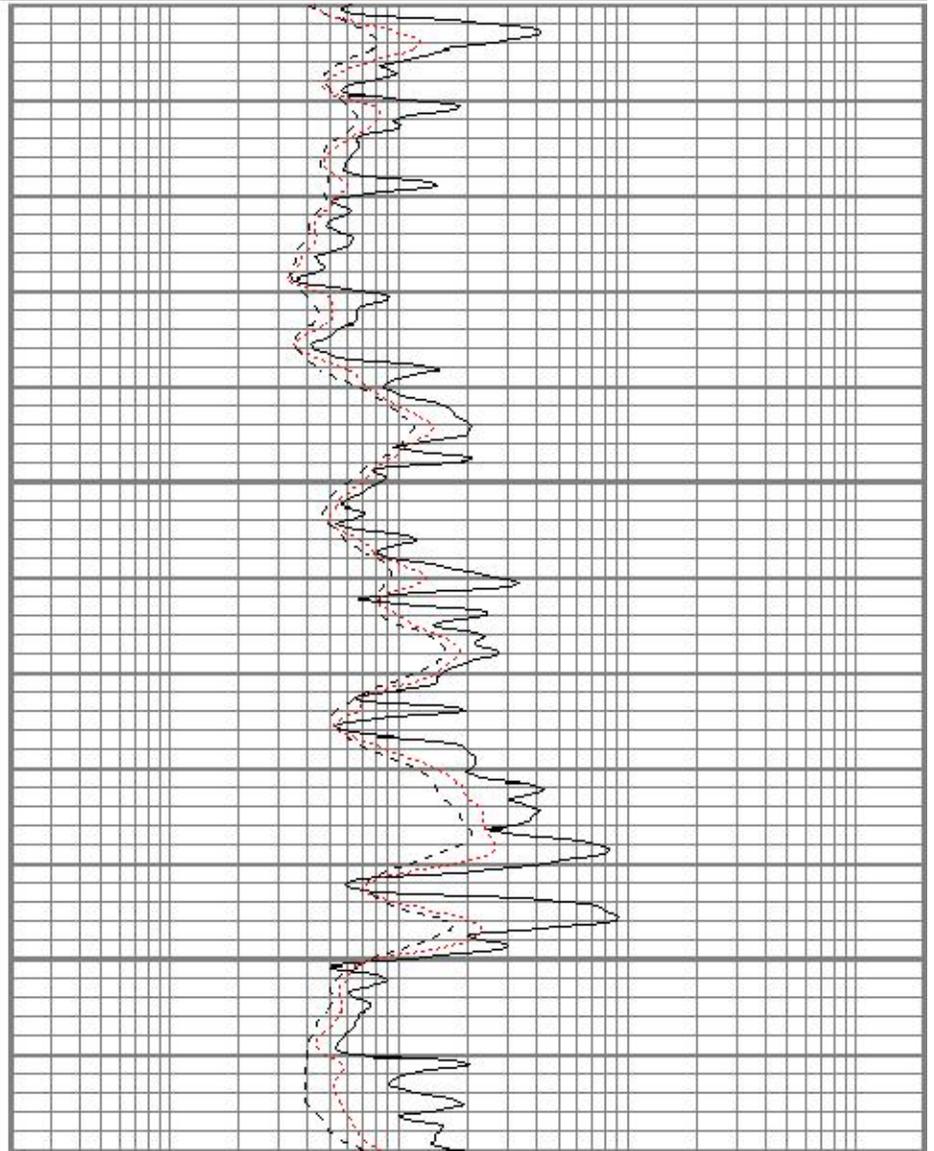
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

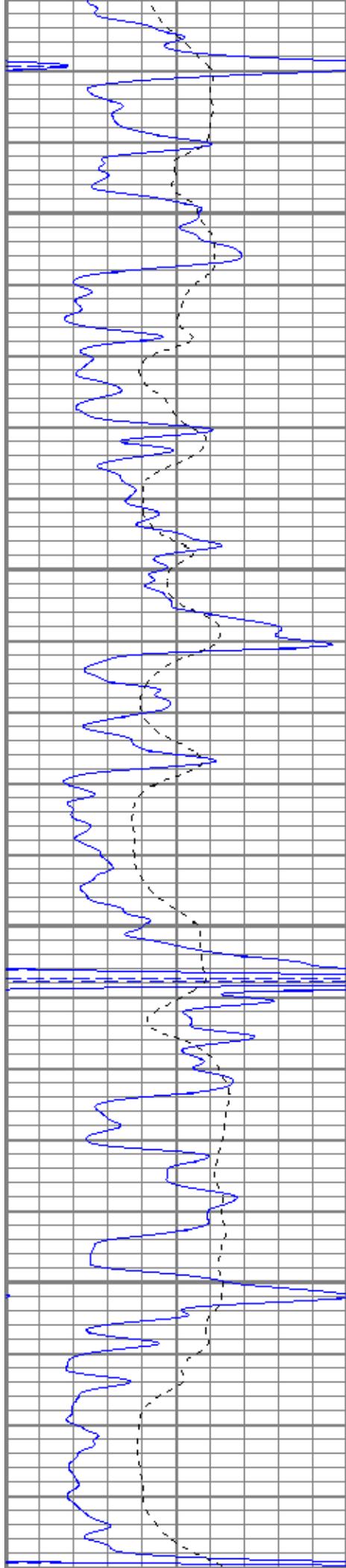


3500

3650

3700



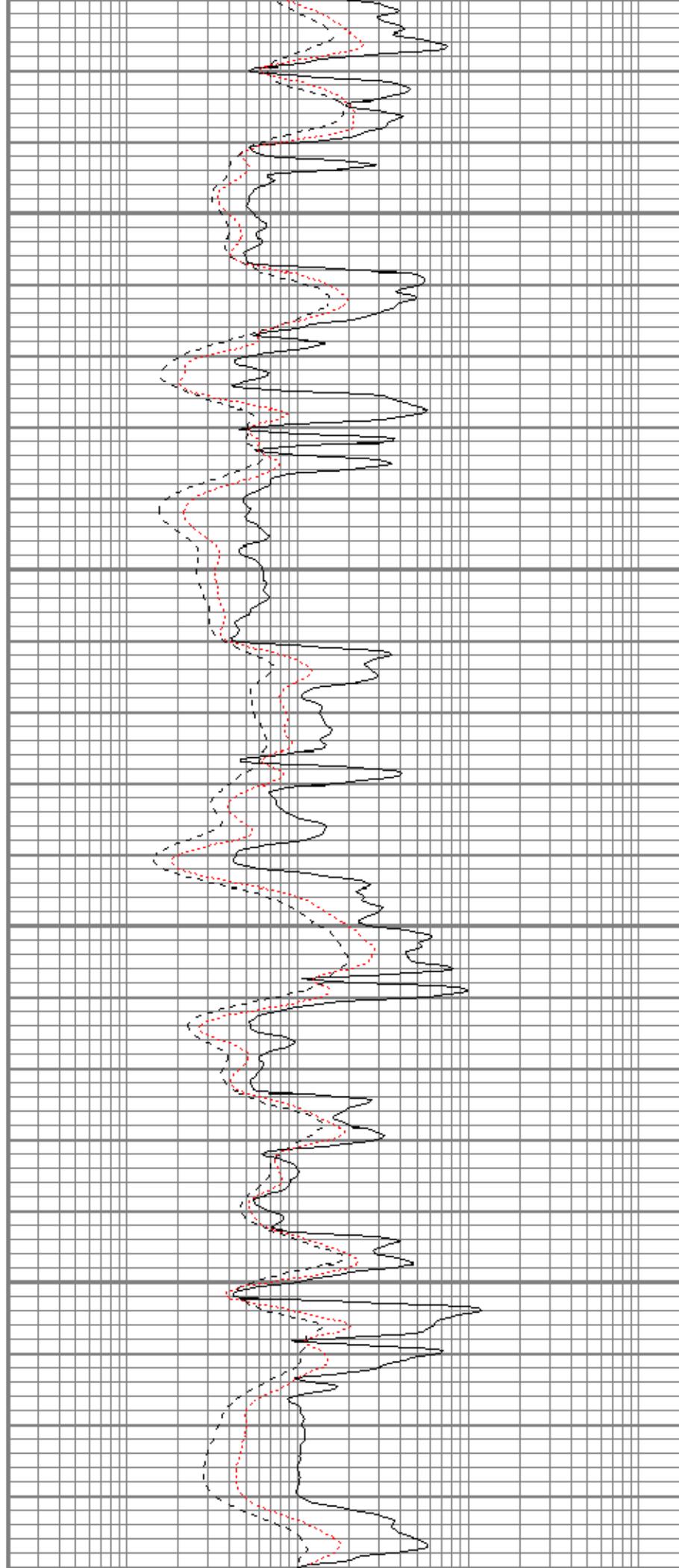


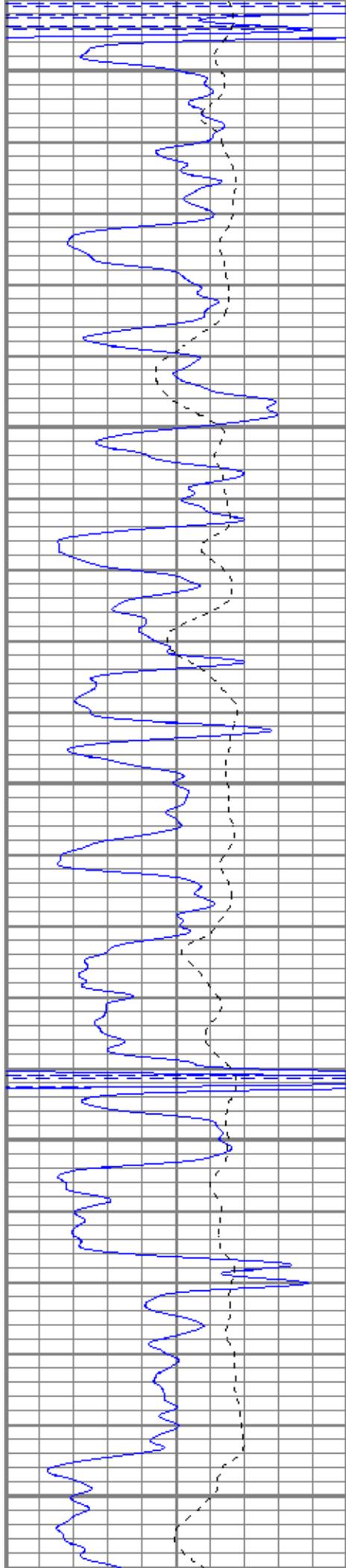
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3800

3850

3900





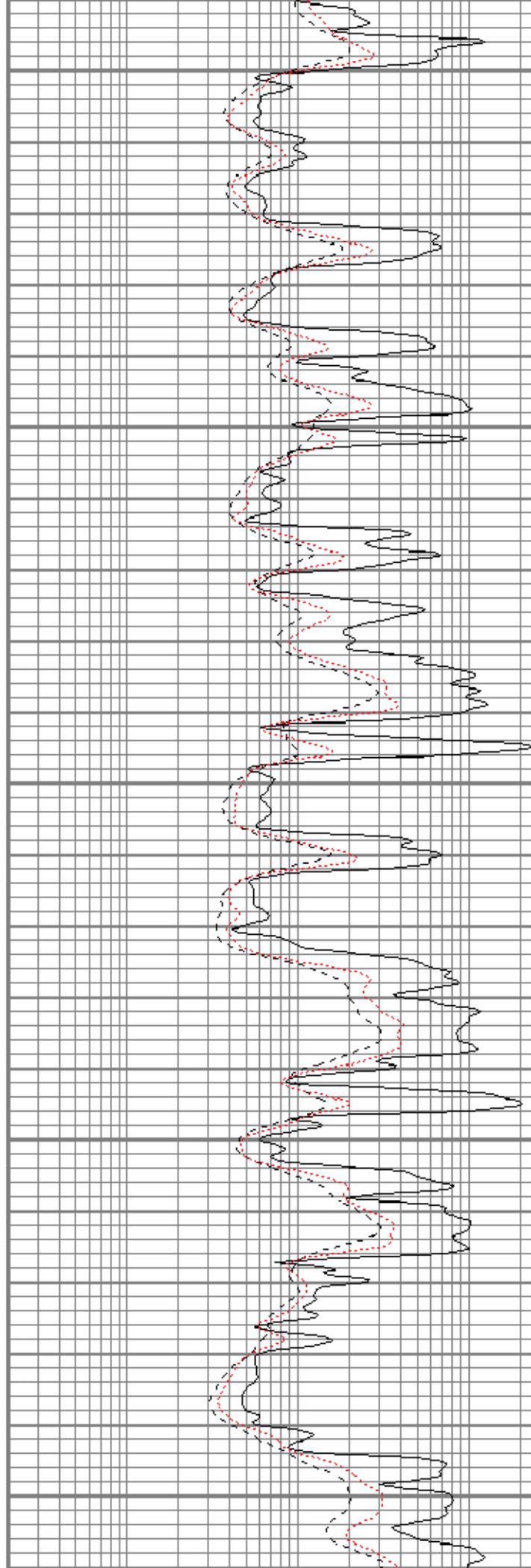
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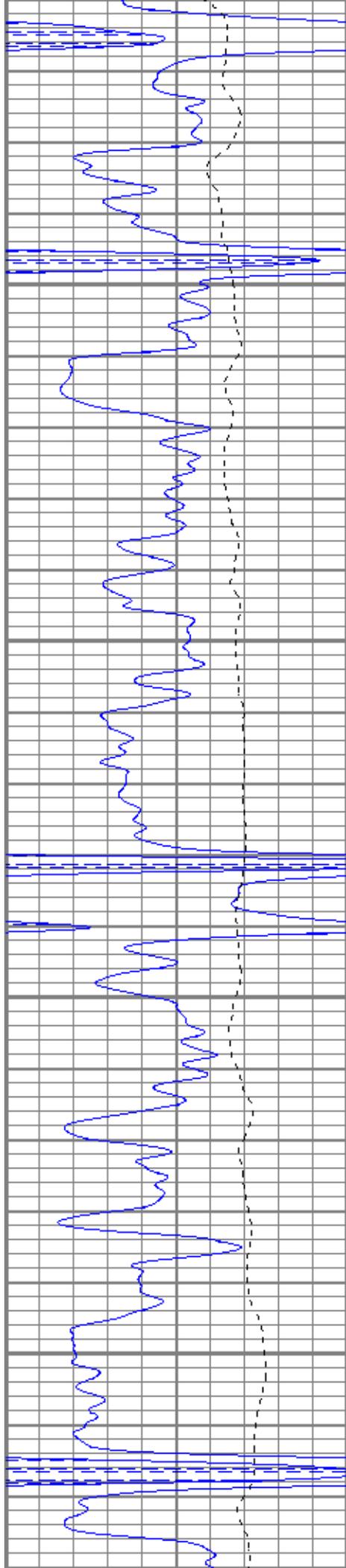
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4050

4100

4150



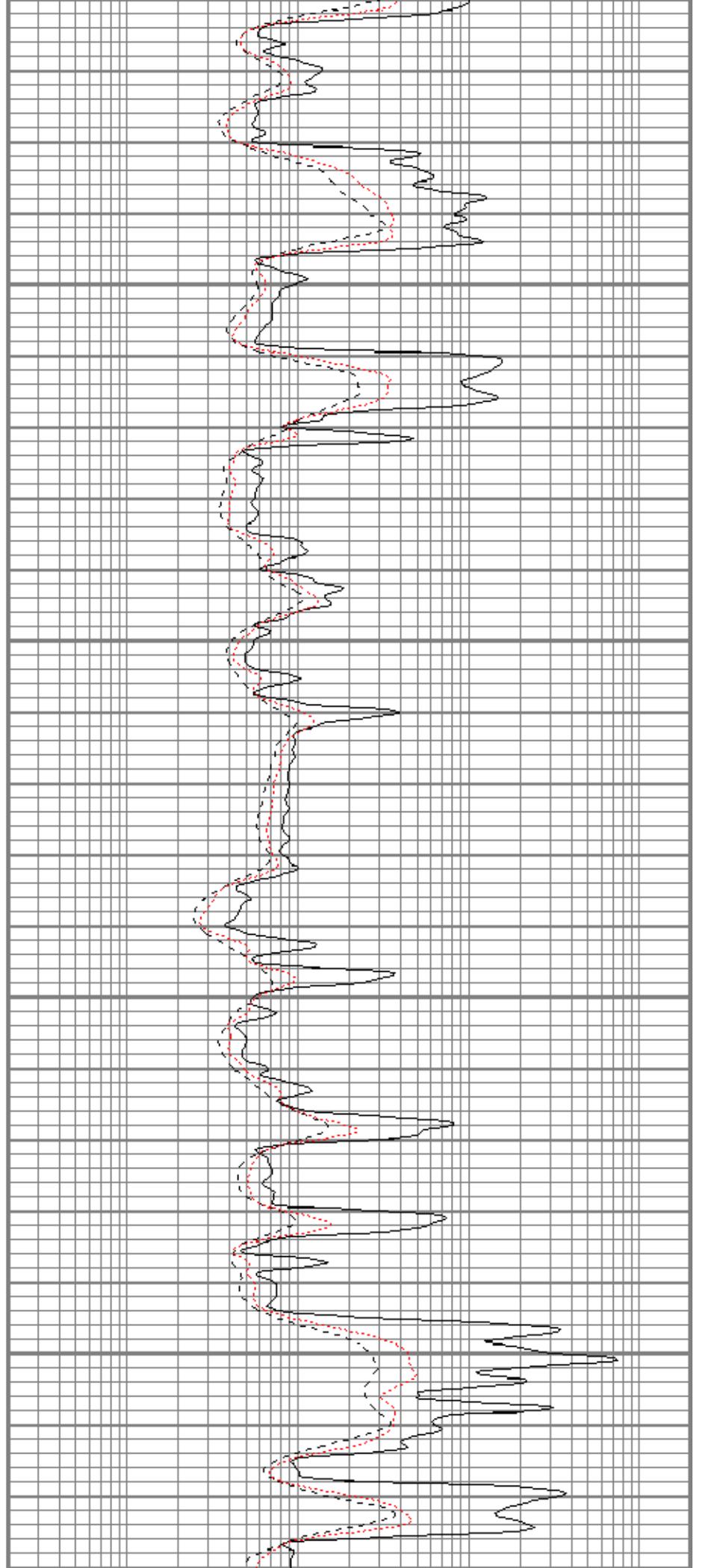


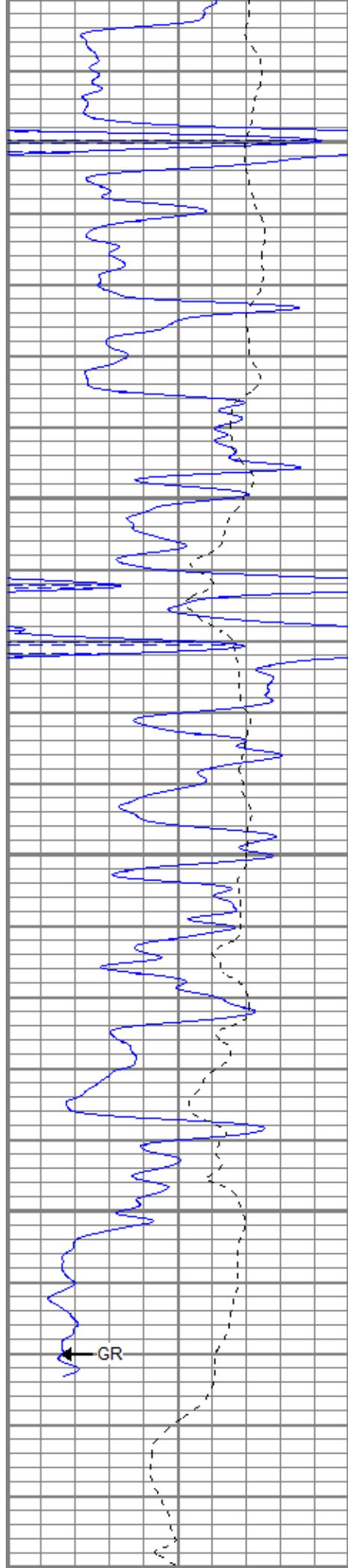
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4250

4300

4350





4400

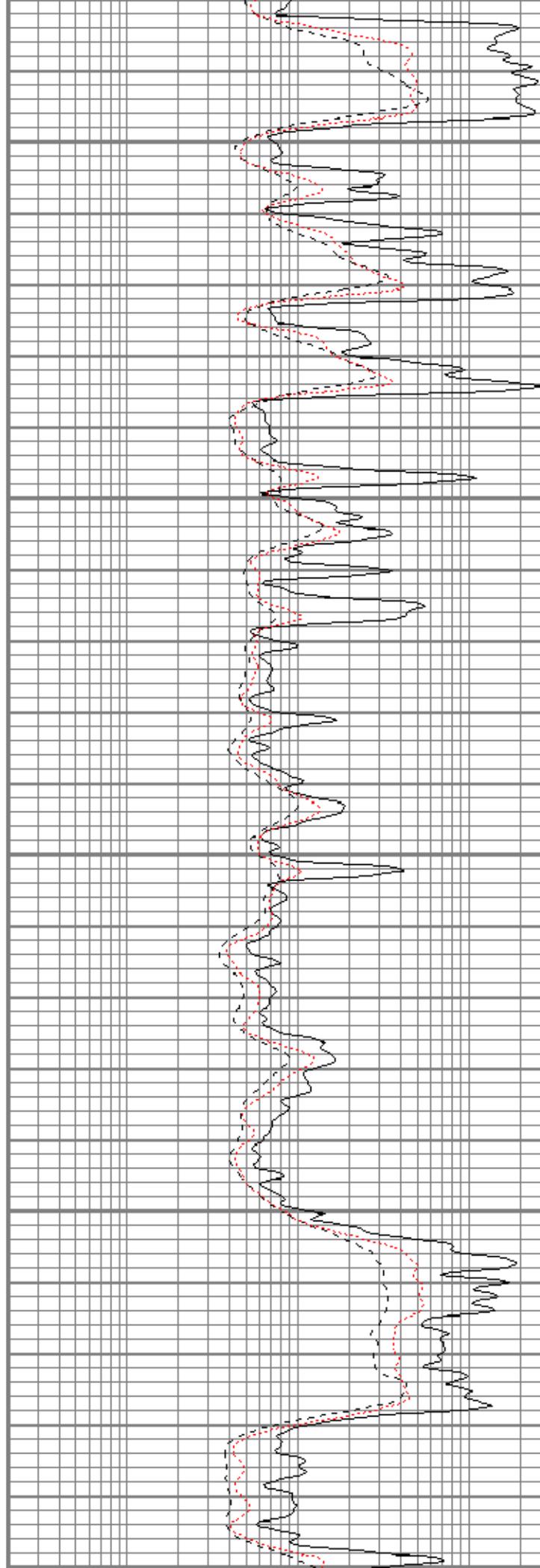
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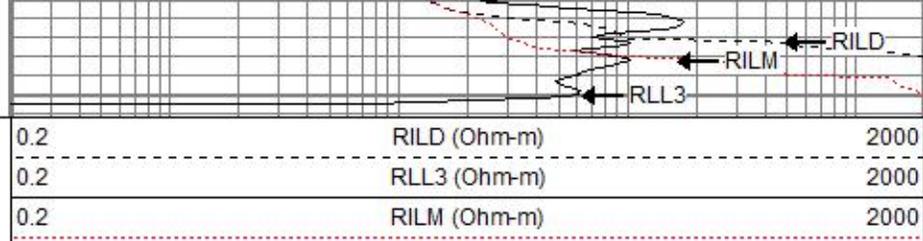
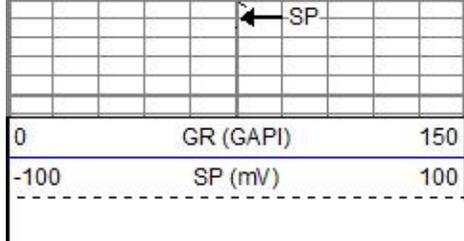
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4550

4600

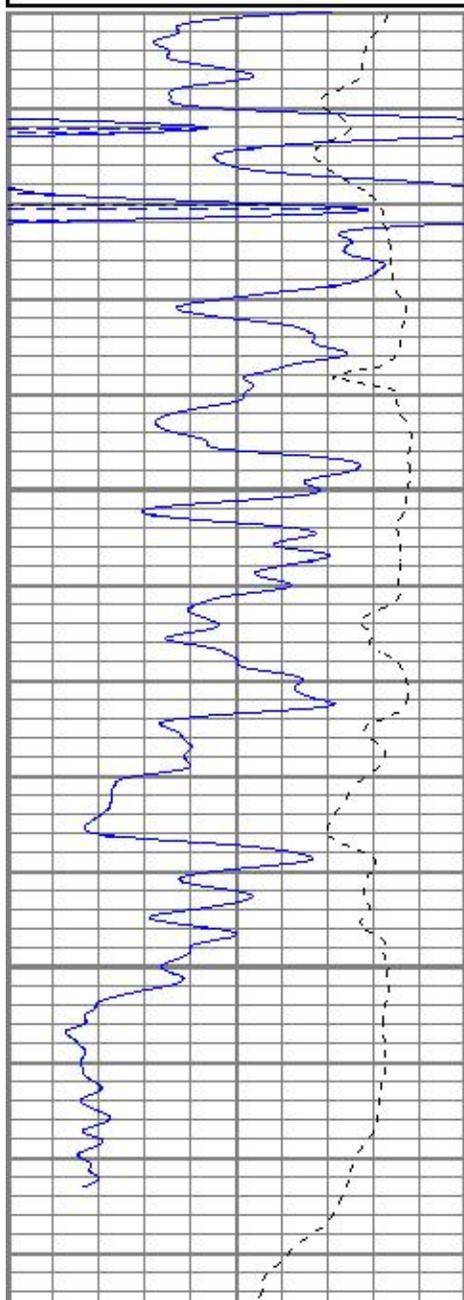
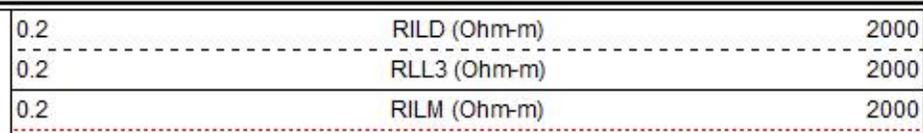
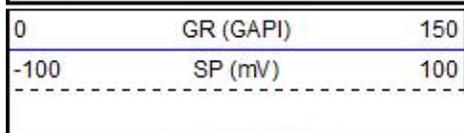
GR





Repeat Pass

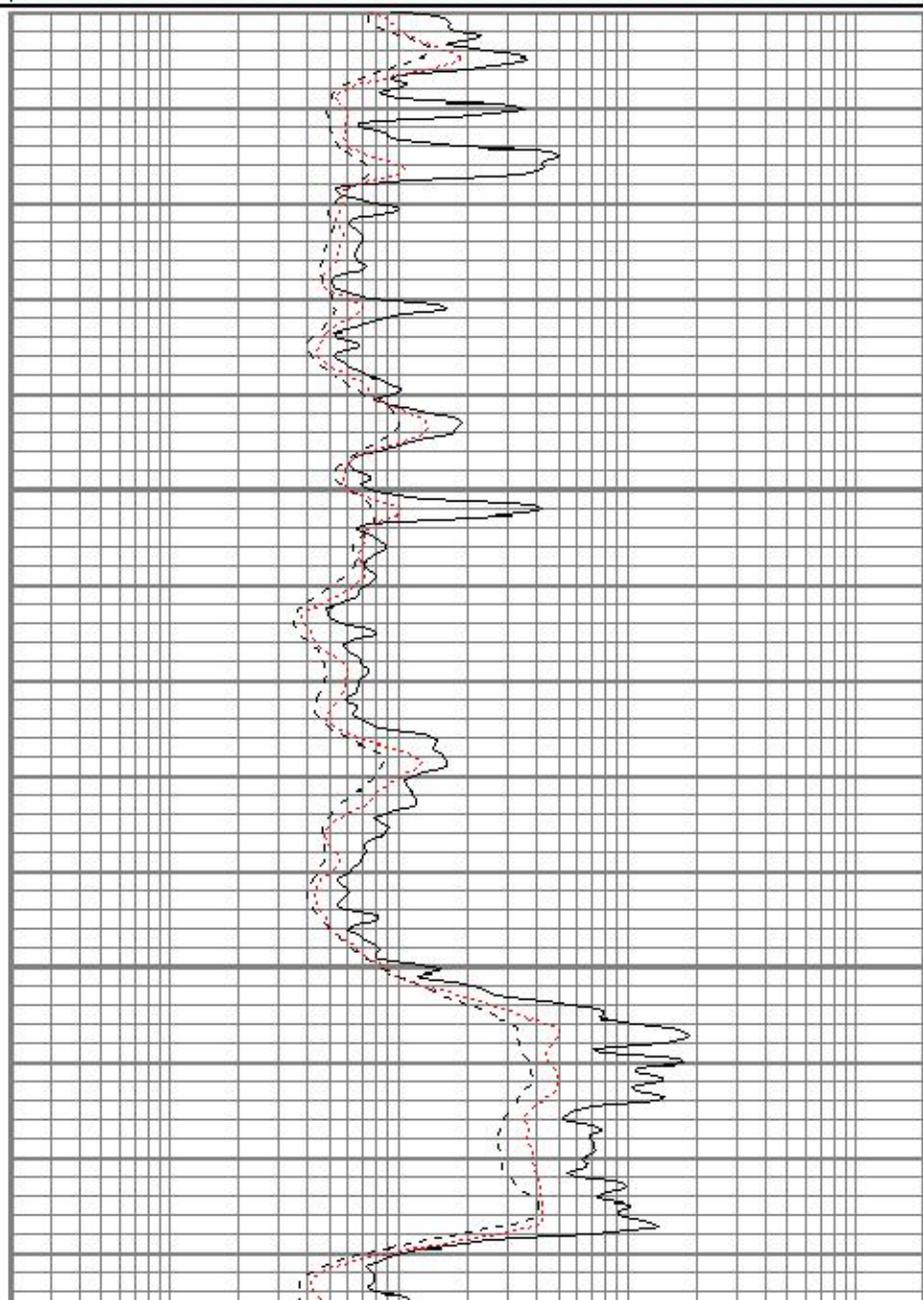
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 Dataset Pathname pass1
 Presentation Format kdil
 Dataset Creation Mon Jul 25 00:53:27 2016
 Charted by Depth in Feet scaled 1:240



4450

4500

4550



Sensitivity: 1 NAPI/cps

Gamma Ray Calibration Report

Serial Number: 1
 Tool Model: A
 Performed: Tue Jun 28 11:51:59 2016

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.7000 GAPI/cps

Temperature Calibration Report

Serial Number: 1
 Tool Model: A
 Performed: Sat Apr 09 21:14:20 2016

	Reference	Reading
Low Reference:	0.00 degF	0.00 degF
High Reference:	32.00 degF	32.00 degF
Gain:	1.00	
Offset:	0.00	
Delta Spacing	1	

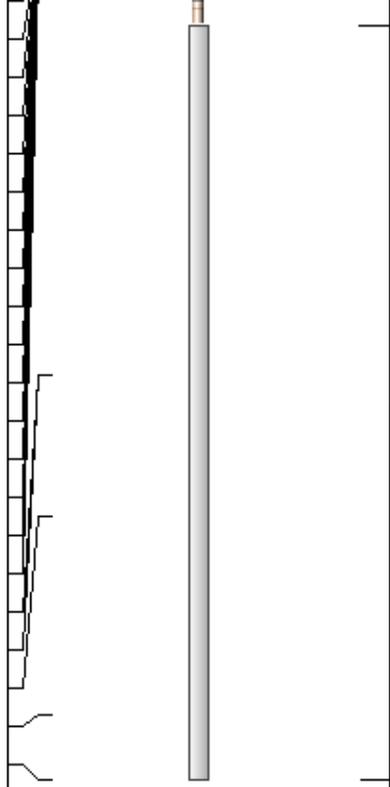
Inclinometer Calibration Report

Performed: Fri Nov 13 12:11:33 2015

	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

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
PSTAT	38.23		CHD-STD	0.50	1.69	1.00
GR	36.95		ADT1PULSE-A (1) Pulsed Interface Tool #1	0.83	3.50	10.00
			ADT1ADC-A (1) Analog Interface #1	0.83	3.50	10.00
TEMP	33.98		ADT1SENSORS-A (1)	4.54	3.50	10.00
ASTAT	33.69					
GRD	33.44					
ACCY	33.27		NEU-Oilex (2301AN) Oilex 100V NEU	4.27	3.50	80.00
ACCX	33.27					
SSTAT	33.27					
NEU	32.50					
LStat	22.54					
LS8	21.88					
LS7	21.88		ADT1LITH-A (1) Admyr Litho Density Tool	9.29	3.50	240.00
LS6	21.88					
LS5	21.88					
LS4	21.88					
LS3	21.88					

LS3	21.88
LS2	21.88
LS1	21.88
LSV	21.88
LSD	21.86
SSV	21.67
SS8	21.67
SS7	21.67
SS6	21.67
SS5	21.67
SS4	21.67
SS3	21.67
SS2	21.67
SS1	21.67
DCAL	21.61
SSD	21.27
SP	10.60
CILD	10.60
CILM	6.89
RLL3	1.70
TR_Mon	0.00



DIL-ADM (1842)
Dual Induction

19.71	4.00	300.00
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Dataset: jofleikerunit#1oh.db: field/well/run1/pass1
 Total length: 38.31 ft
 Total weight: 651.00 lb
 O.D.: 4.00 in