



**DUAL
INDUCTION
LOG**

Company Triple Crown Operating, LLC.

Well Fanshier #1-26

Field Milton

County Ness

State Kansas

Location: 330' FNL & 2310' FEL

API #: 15 135 25886

Permanent Datum Ground Level Elevation 2258'

Log Measured From KB 8' AGL

Drilling Measured From KB

Other Services
CDNL
ML
Elevation
K.B. 2266'
D.F. 2265'
G.L. 2258'

Date	1-17-16
Run Number	One
Depth Driller	4415'
Depth Logger	4413'
Bottom Logged Interval	4390'
Top Log Interval	200'
Casing Driller	8 5/8" @ 210'
Casing Logger	210'
Bit Size	7 7/8"
Type Fluid in Hole	Chemical
Density / Viscosity	9.2/48
PH / Fluid Loss	9.5/9.6
Source of Sample	Pit
Rm @ Meas. Temp	1.8@50degf
Rmf @ Meas. Temp	1.35@50degf
Rmc @ Meas. Temp	2.16@50degf
Source of Rmf / Rmc	Calculated
Rm @ BHT	.75@120degf
Time Circulation Stopped	9:45 a.m.
Time Logger on Bottom	11:45 a.m.
Maximum Recorded Temperature	120degf
Equipment Number	T127
Location	Hays, KS
Recorded By	Gus Pfanenstiel
Witnessed By	Mr. Rod Andersen

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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 of Ness City to Rd. P, South 5 miles., at mailbox 8062 go East, South into.

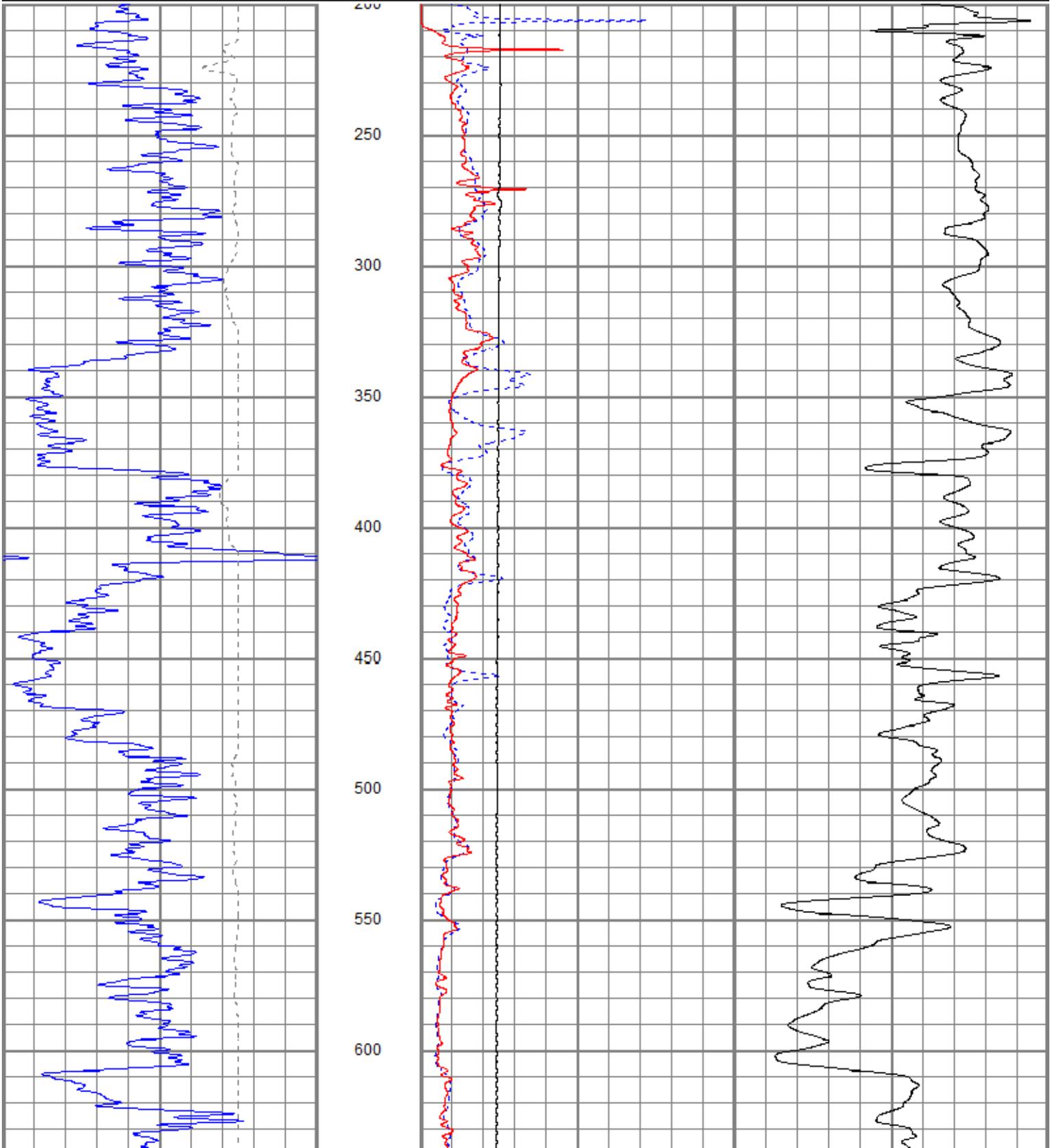


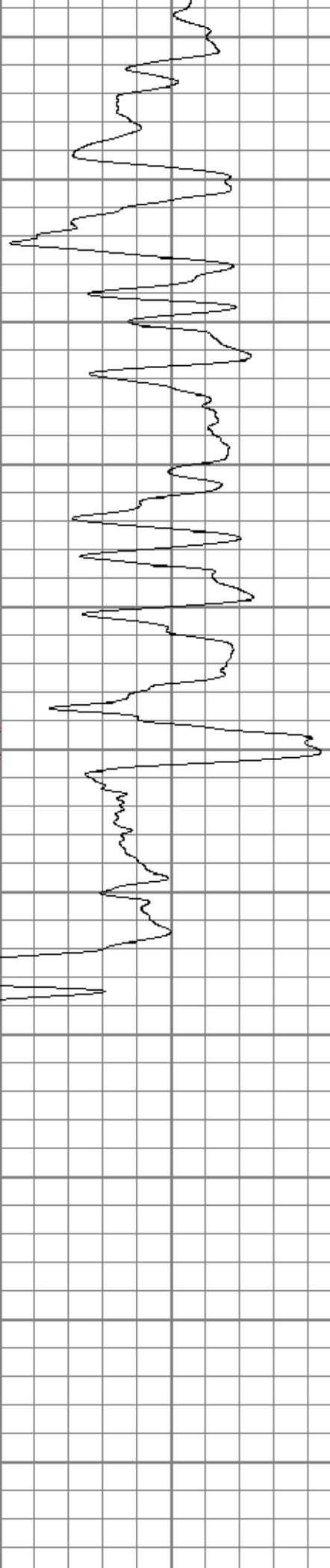
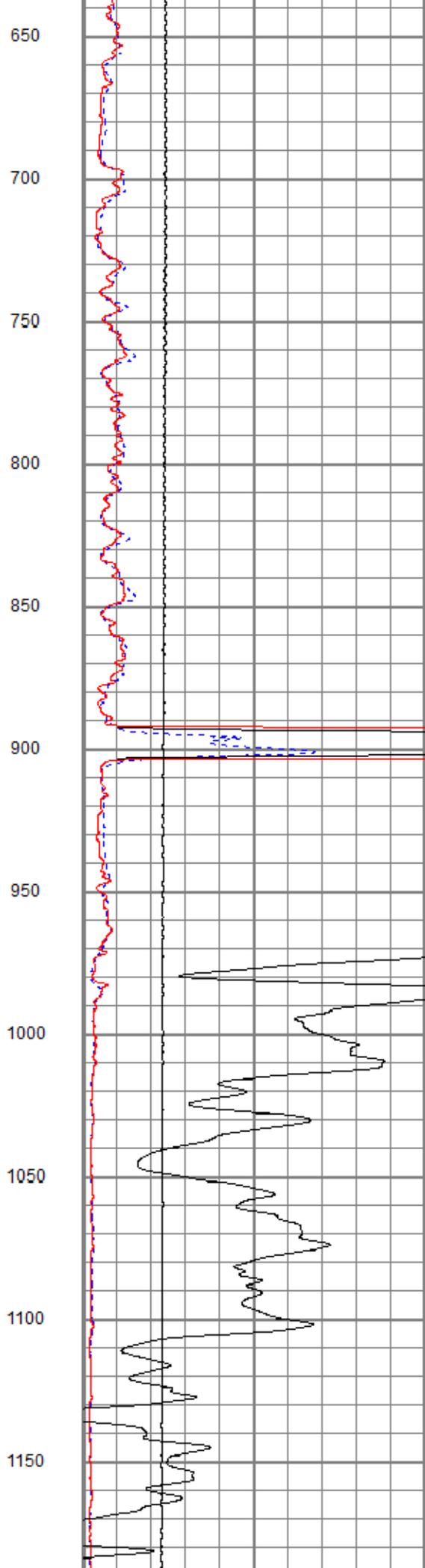
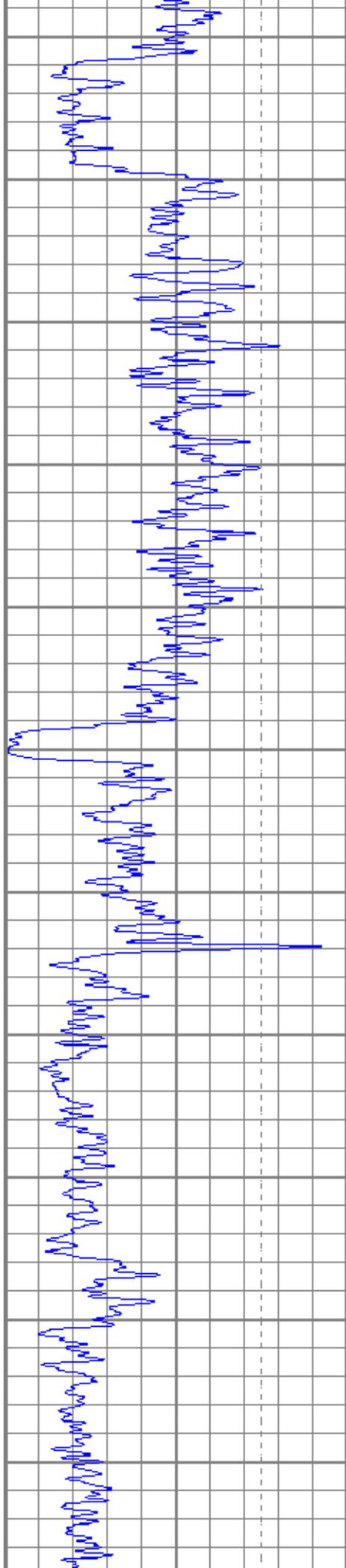
Main Pass

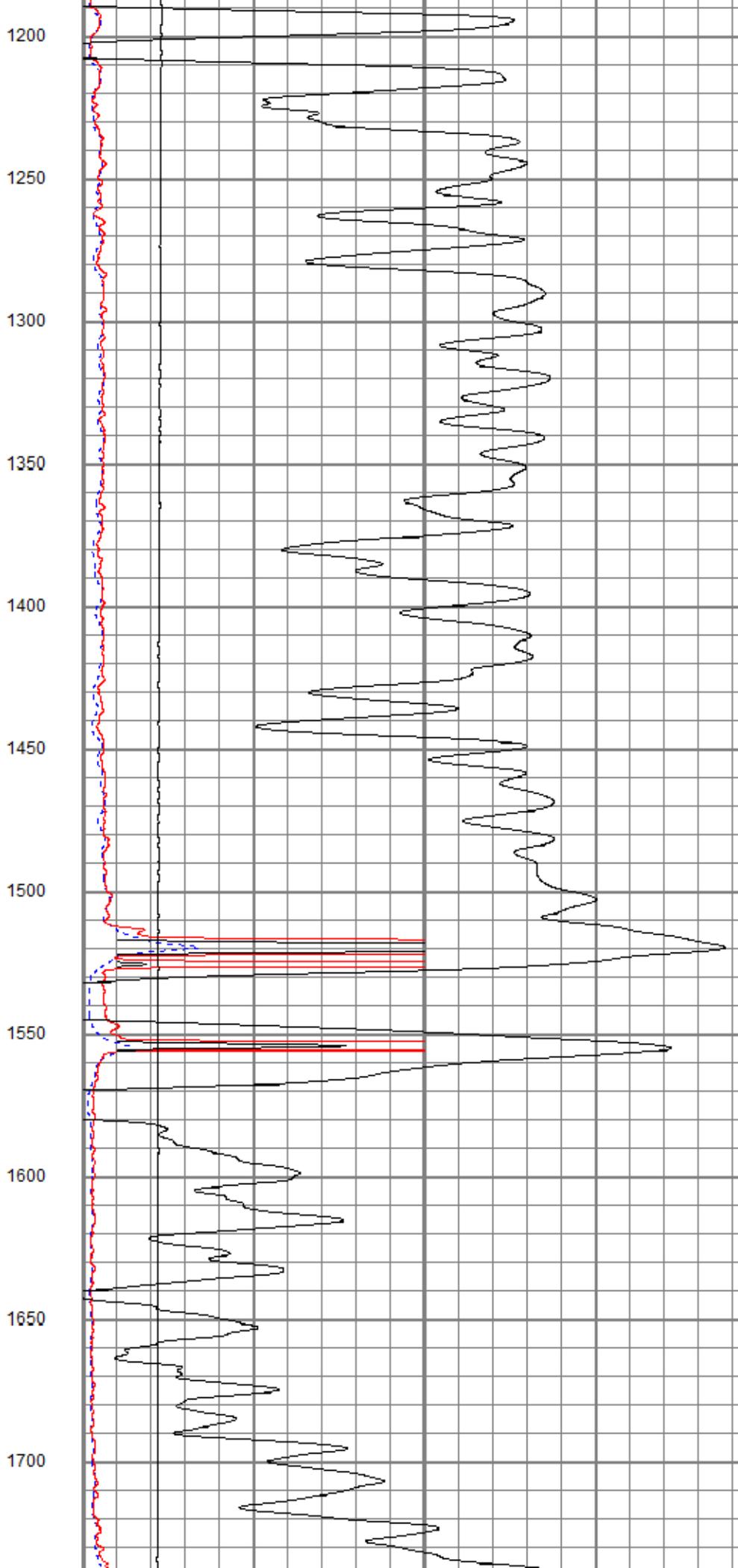
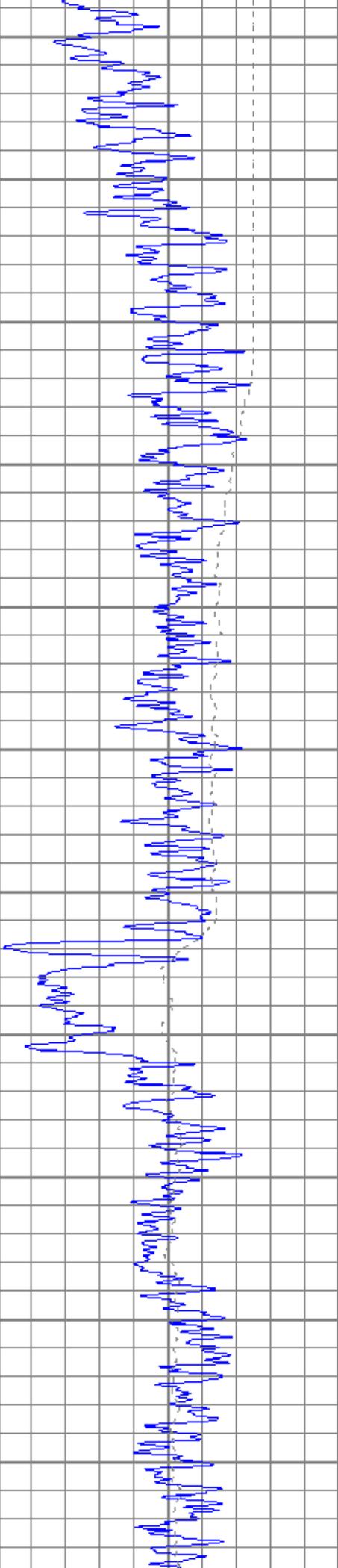
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 Dataset Pathname pass2
 Presentation Format kdillin2
 Dataset Creation Sun Jan 17 12:09:16 2016
 Charted by Depth in Feet scaled 1:600

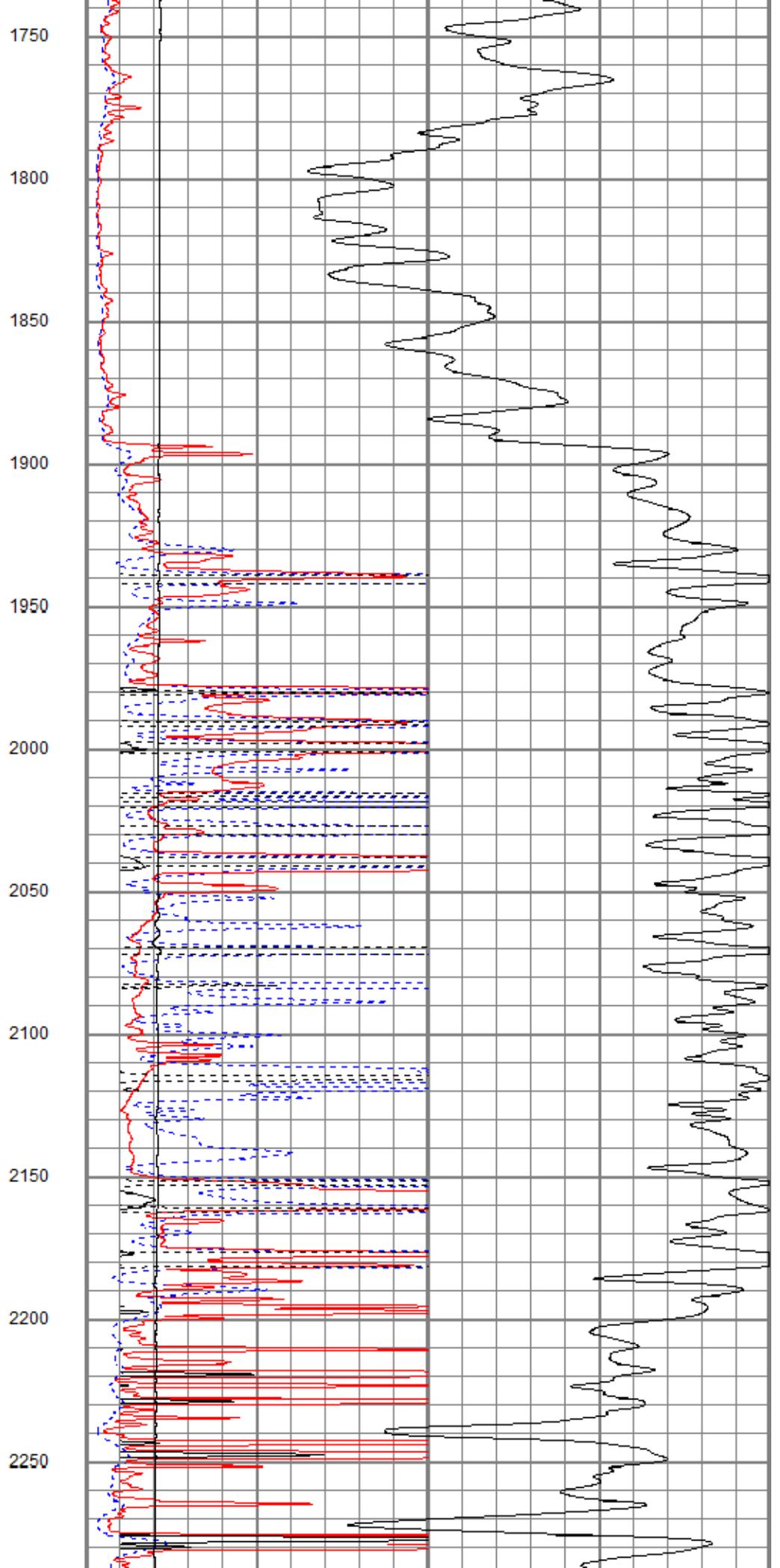
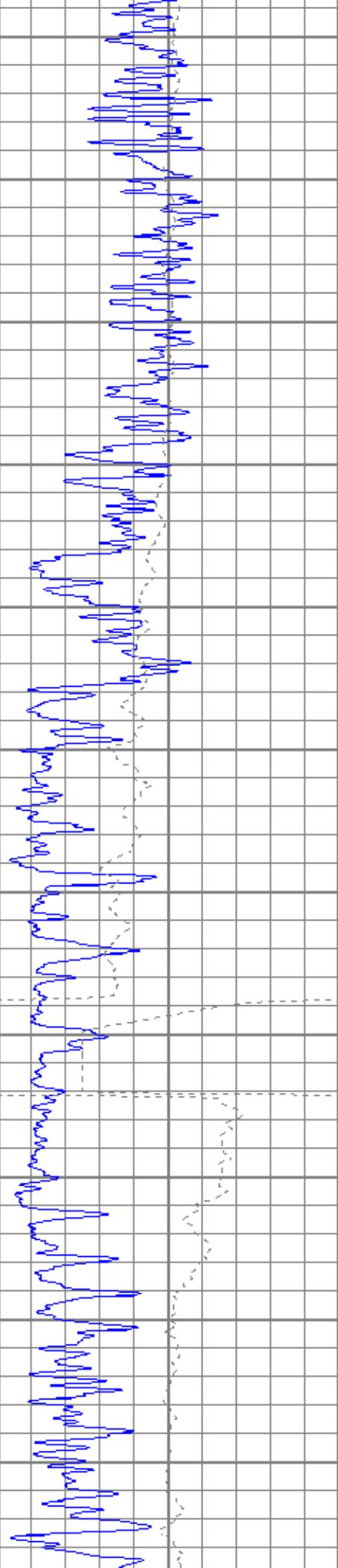
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-200	SP (mV)	0

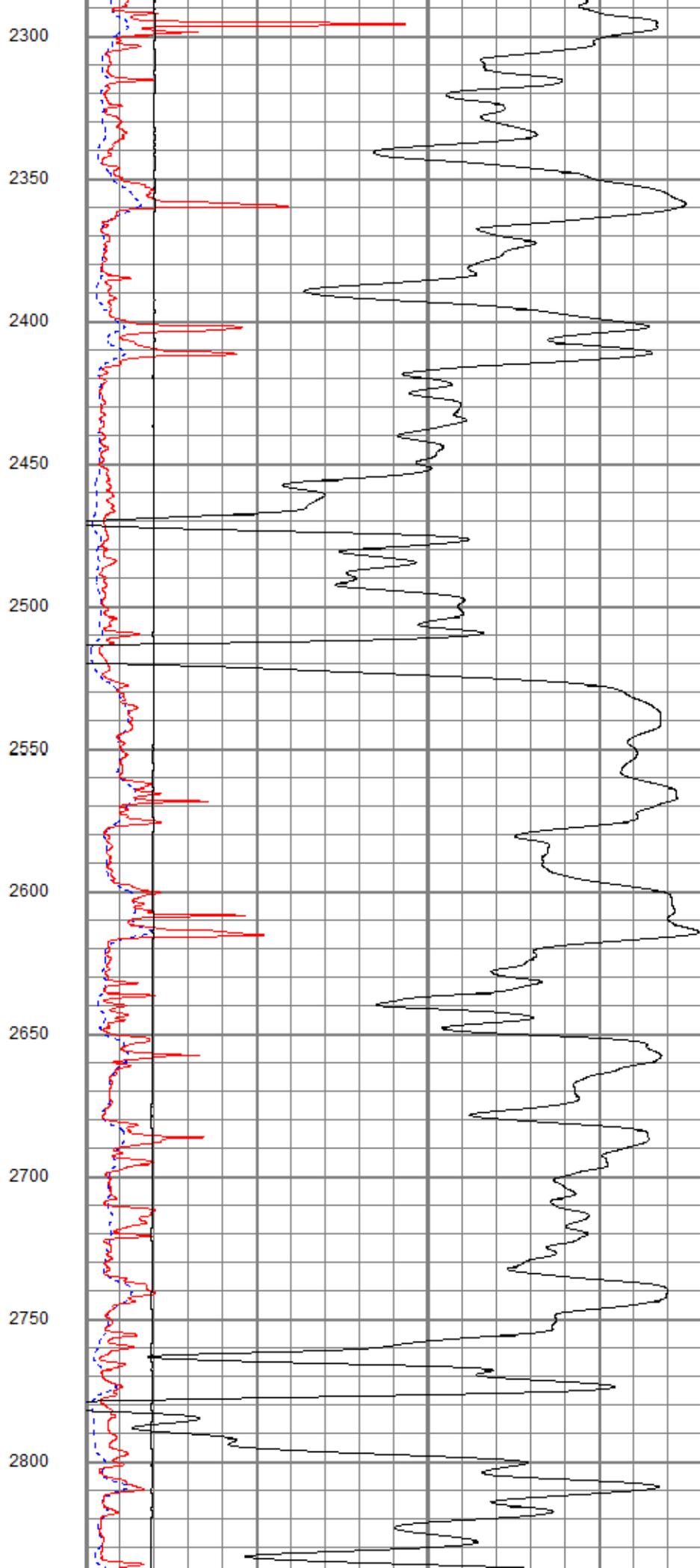
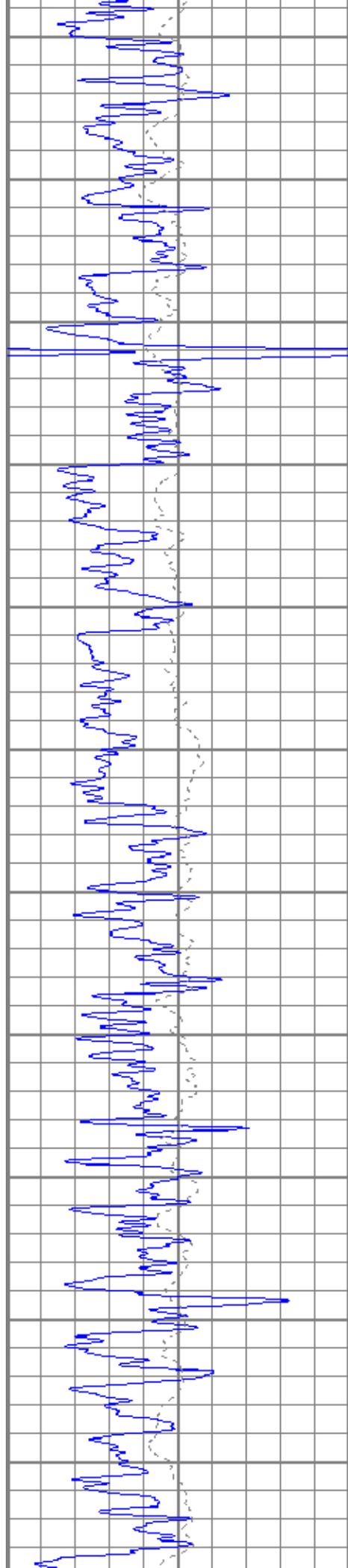
1000	CILD (mmho/m)	0
10000	LTEN (lb)	0
0	RILD (Ohm-m)	50
0	RLL3 (Ohm-m)	50
50	RILD x 10 (Ohm-m)	500
50	RLL3 x 10 (Ohm-m)	500

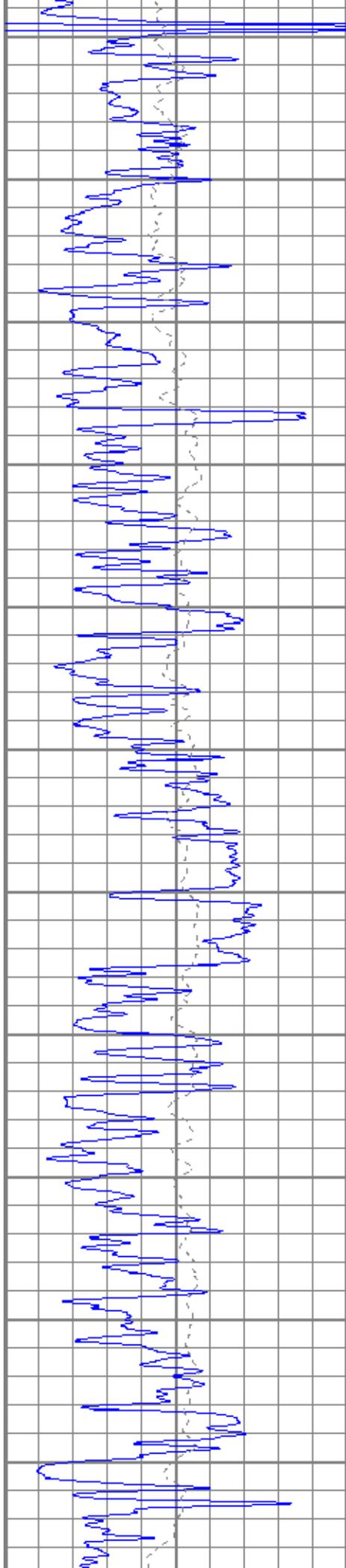












2850

2900

2950

3000

3050

3100

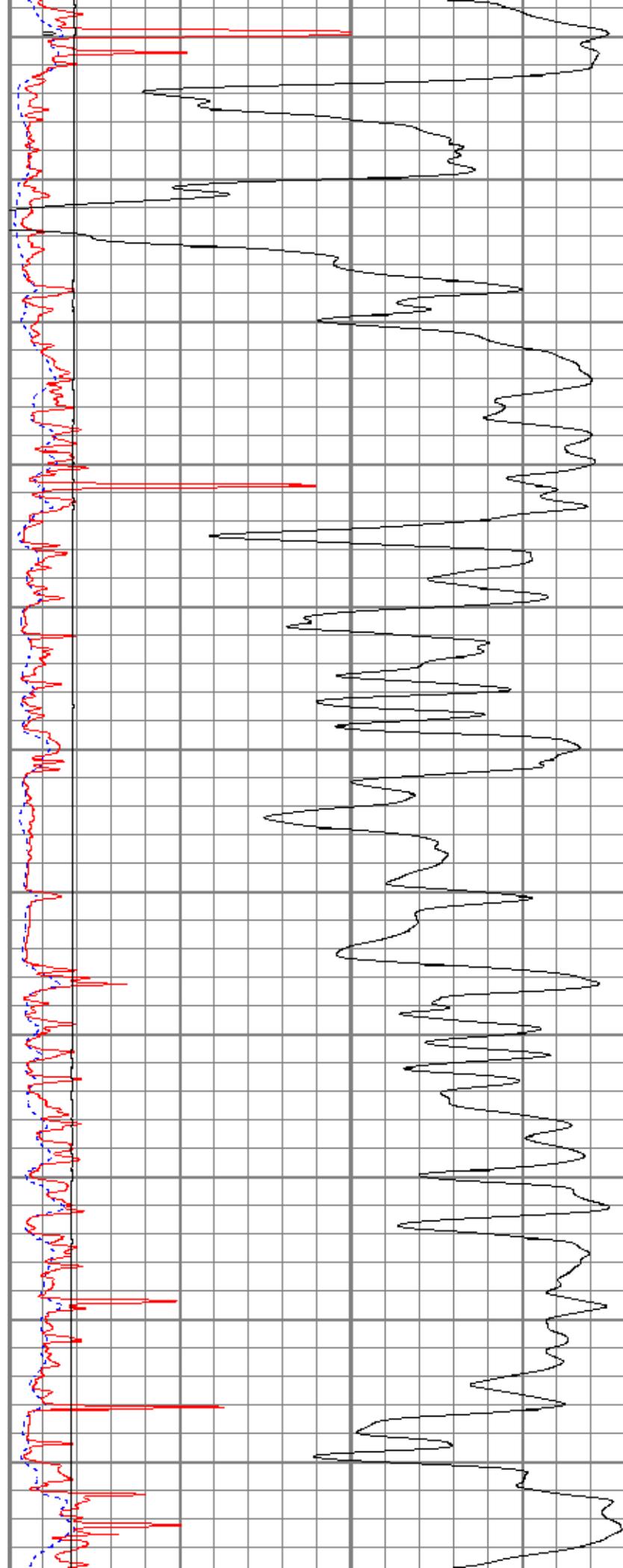
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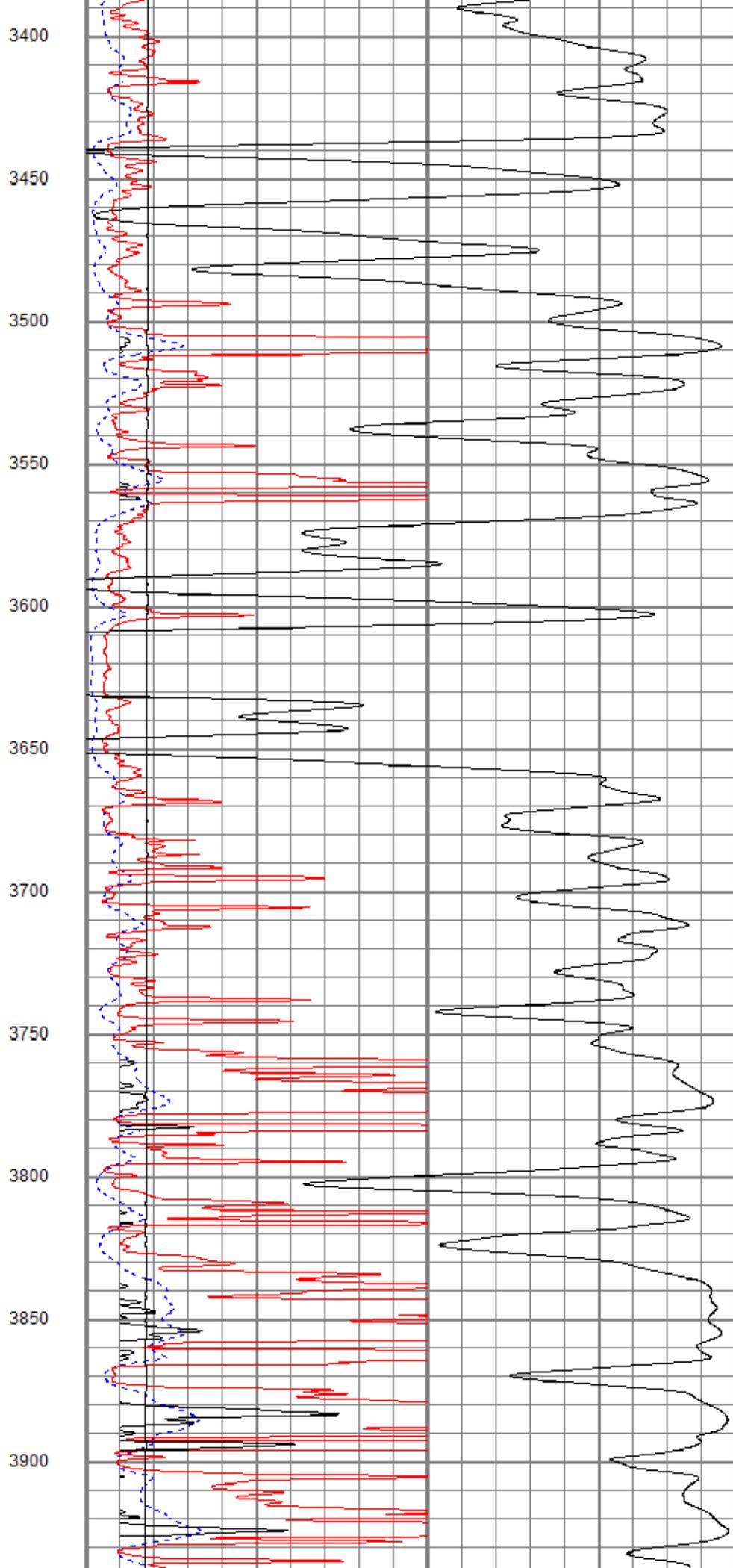
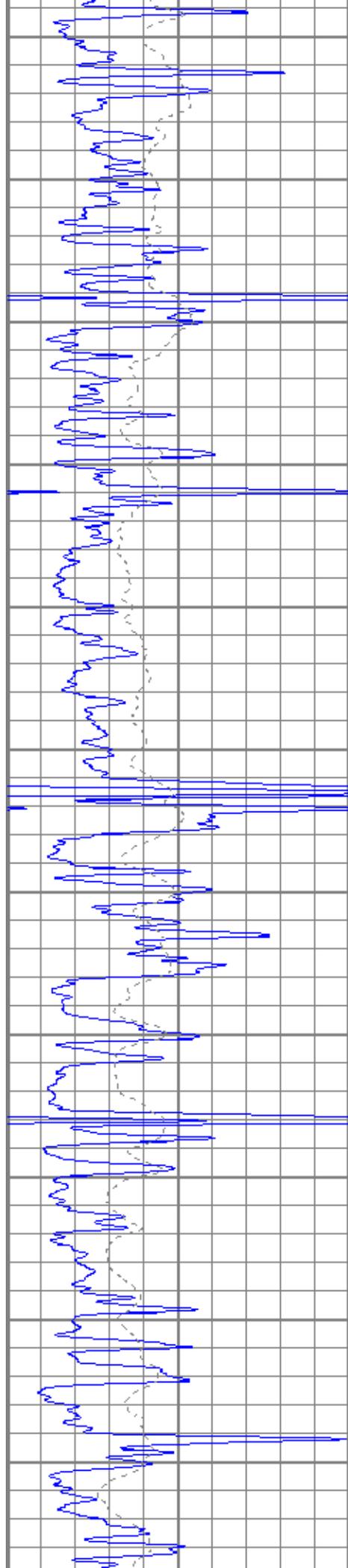
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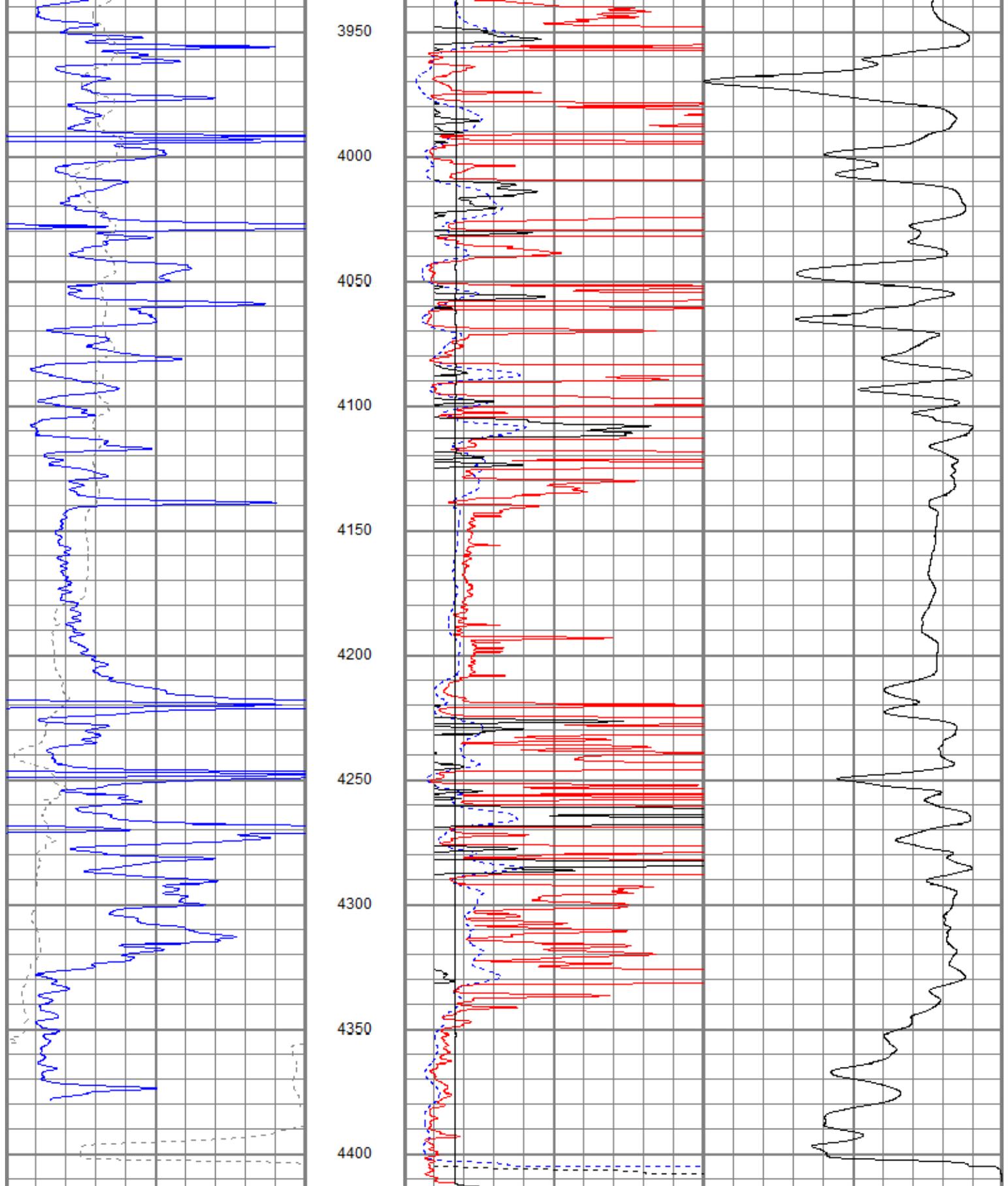
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3300

3350







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

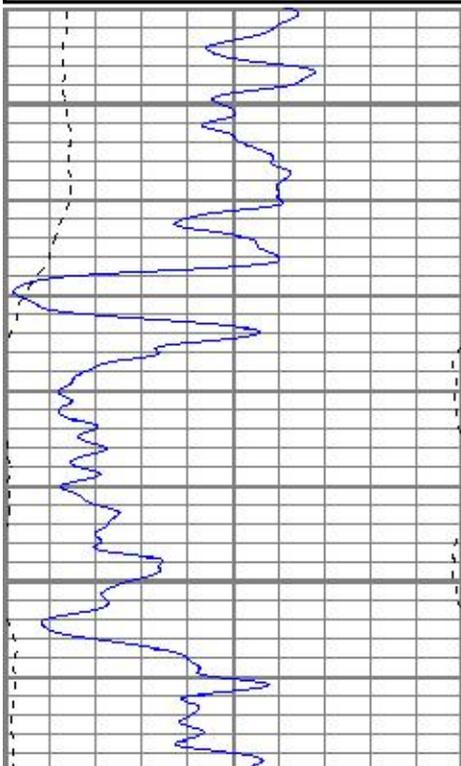


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 Presentation Format kdil
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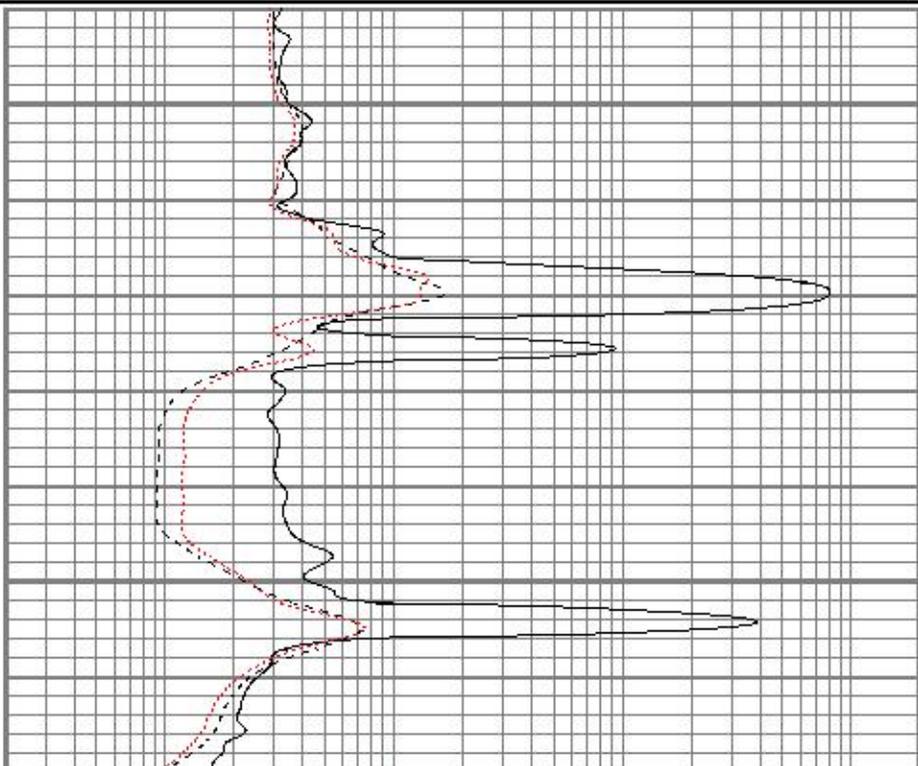
0	GR (GAPI)	150
-100	SP (mV)	100

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



1500

1550



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

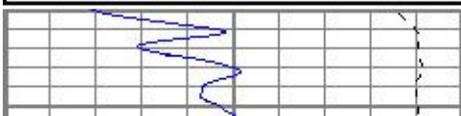


Main Pass

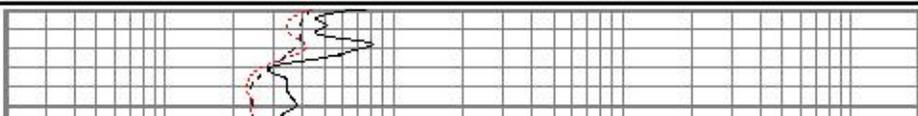
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 Presentation Format kdil
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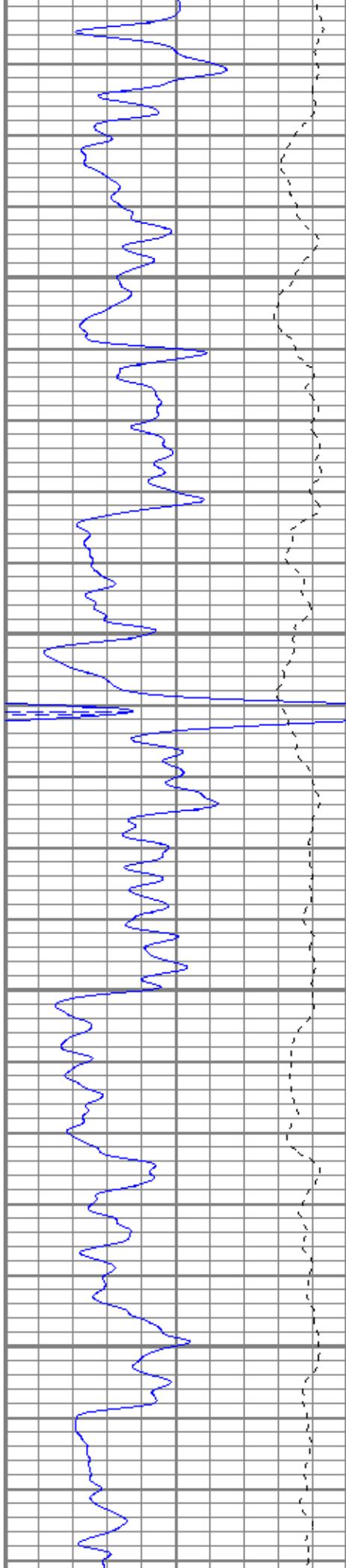
0	GR (GAPI)	150
-100	SP (mV)	100

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



2000



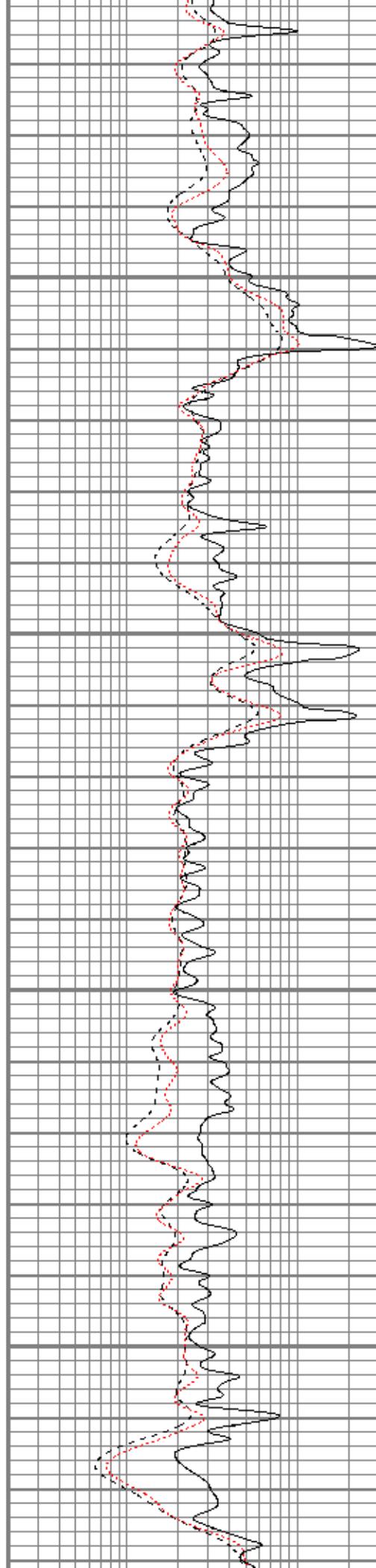


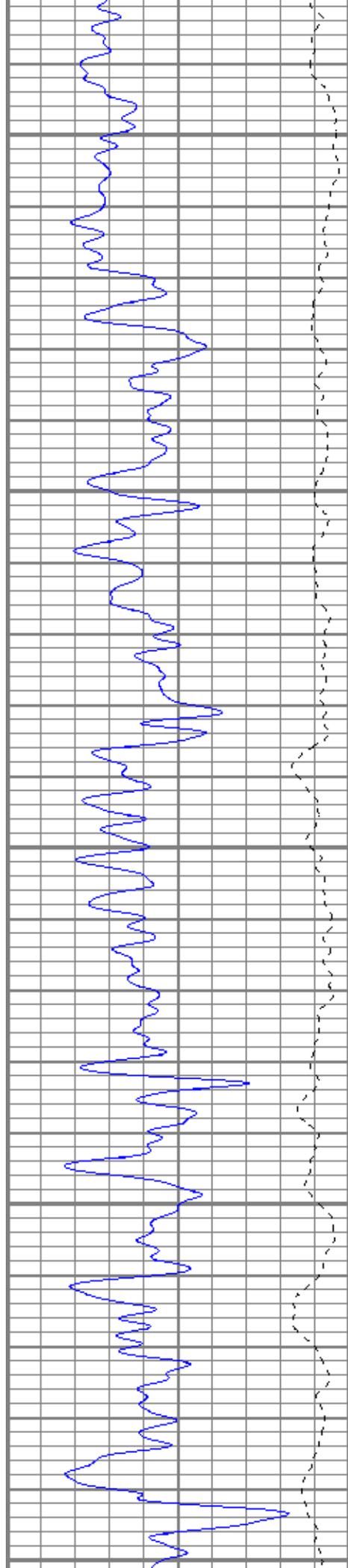
2350

2400

2450

2500





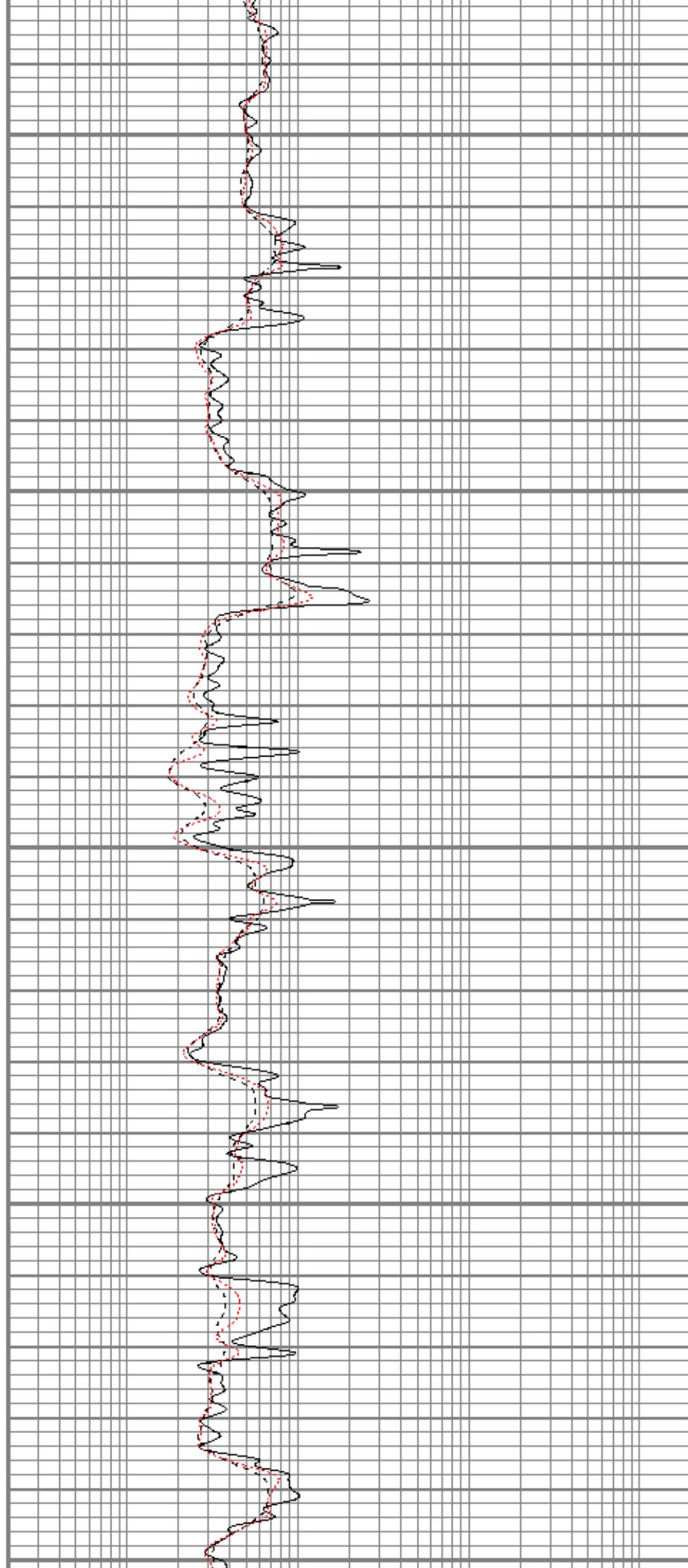
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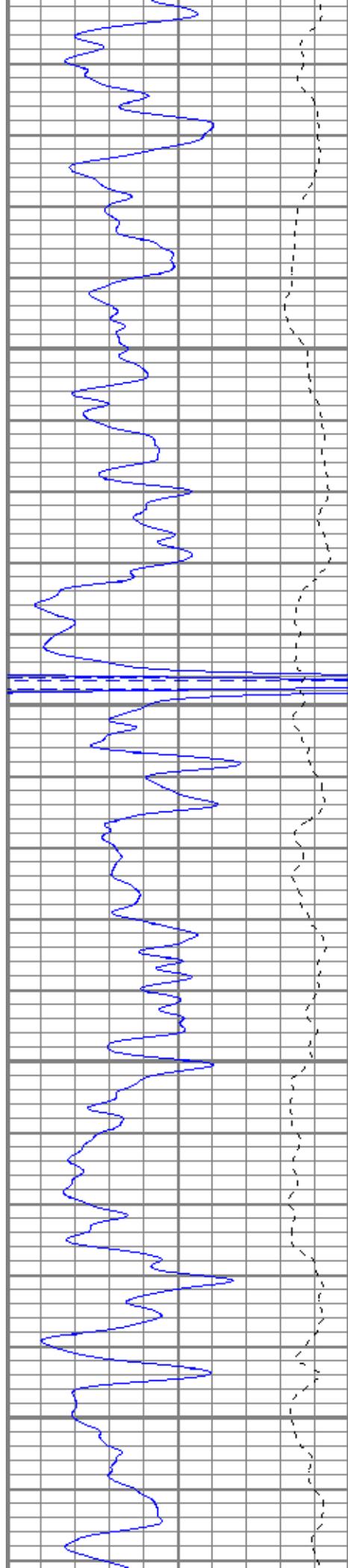
2600

2650

2700

2750



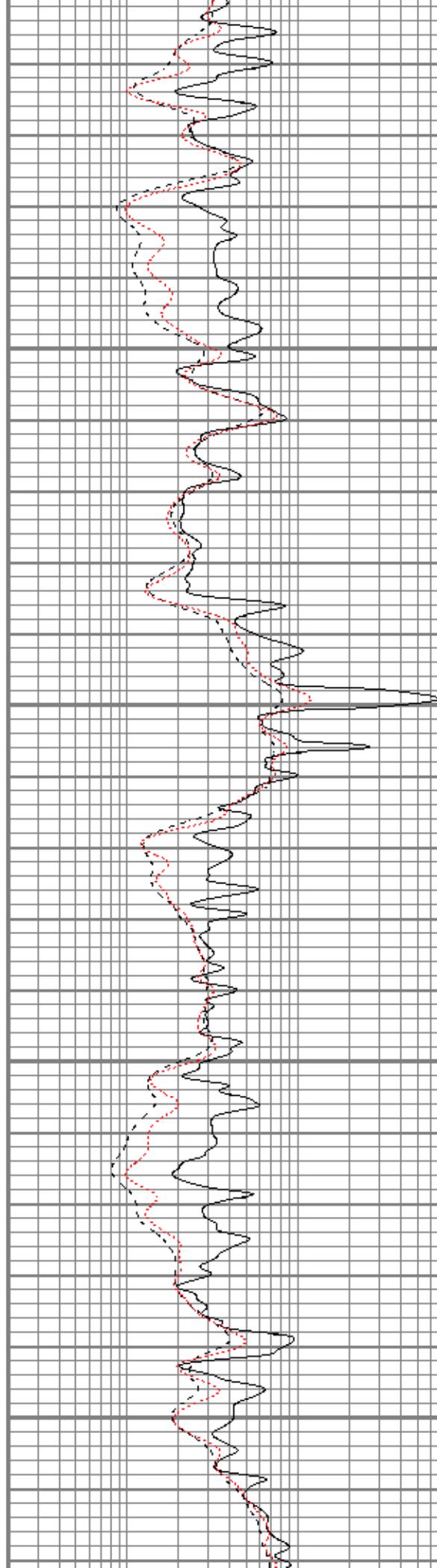


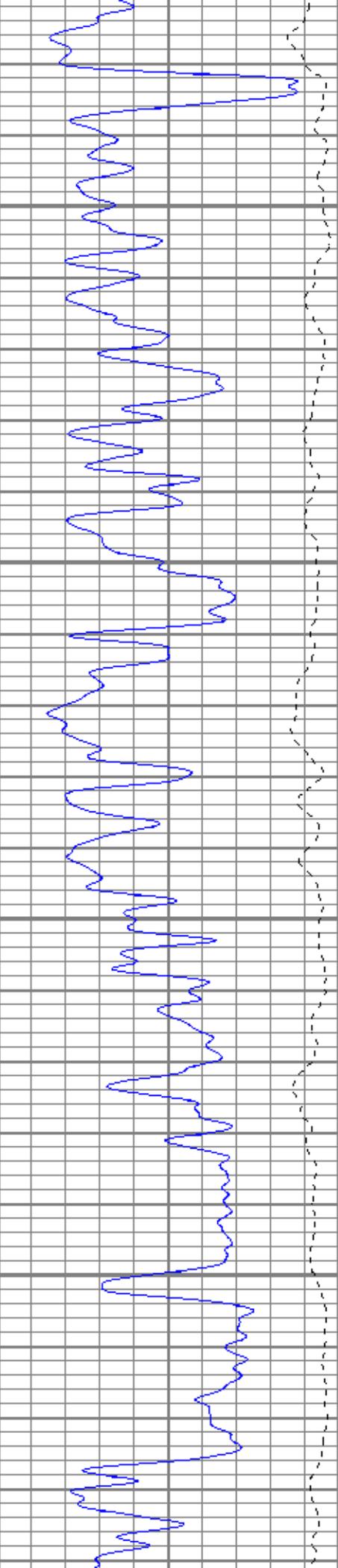
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2850

2900

2950



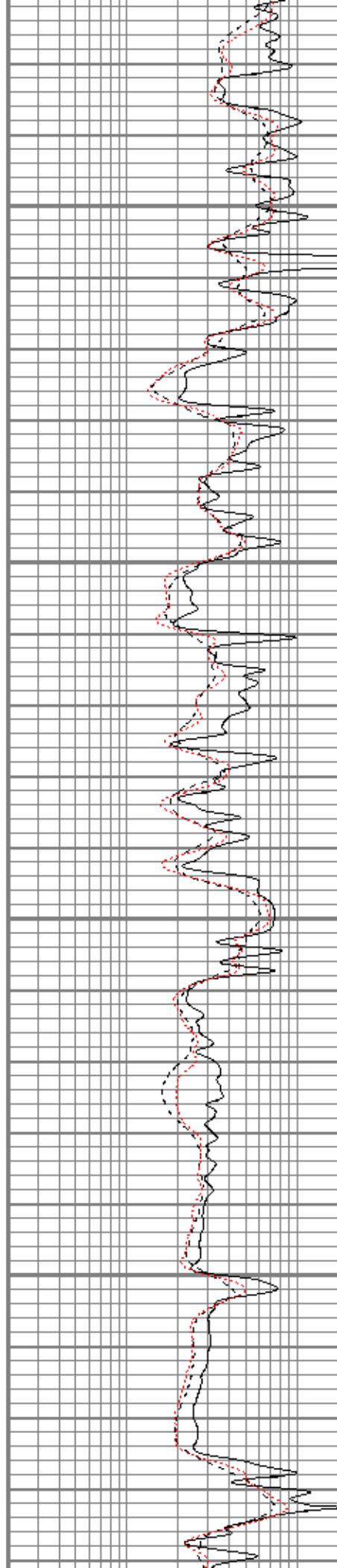


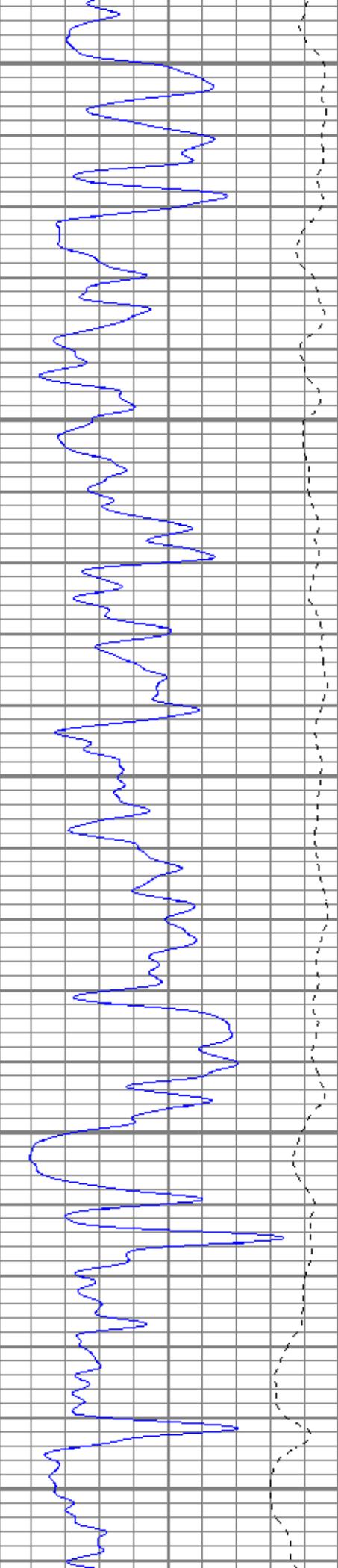
3000

3050

3100

3150





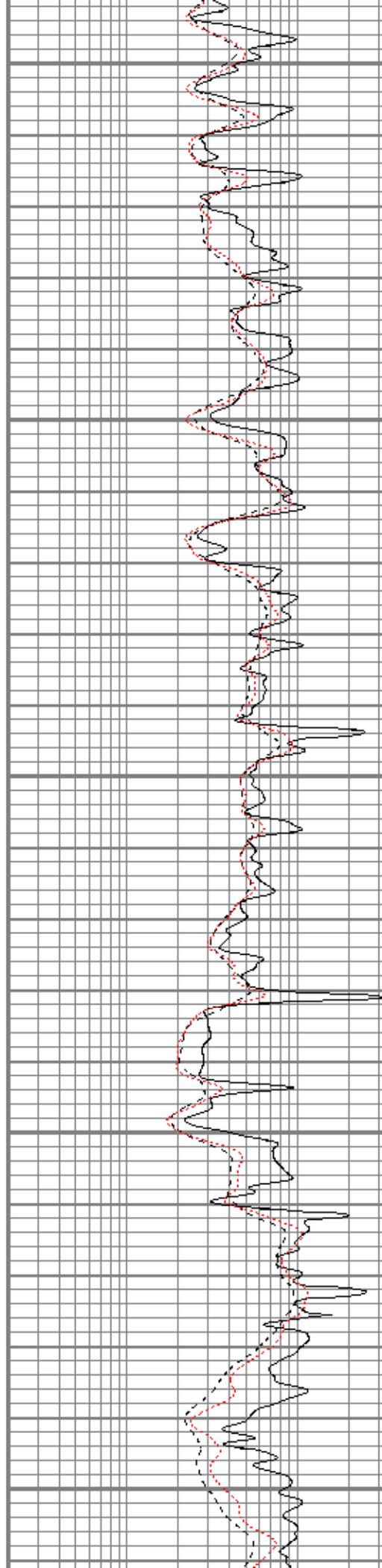
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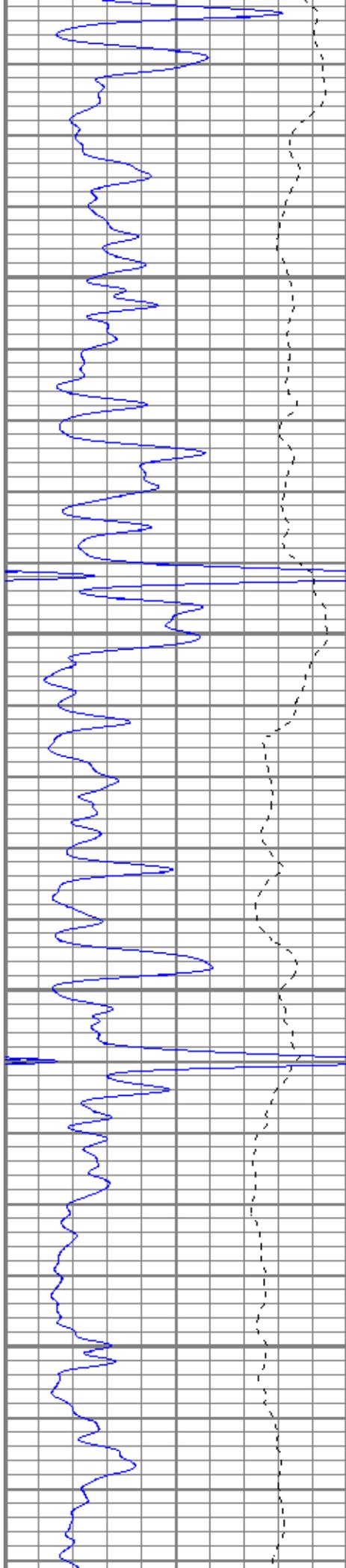
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3300

3350

3400



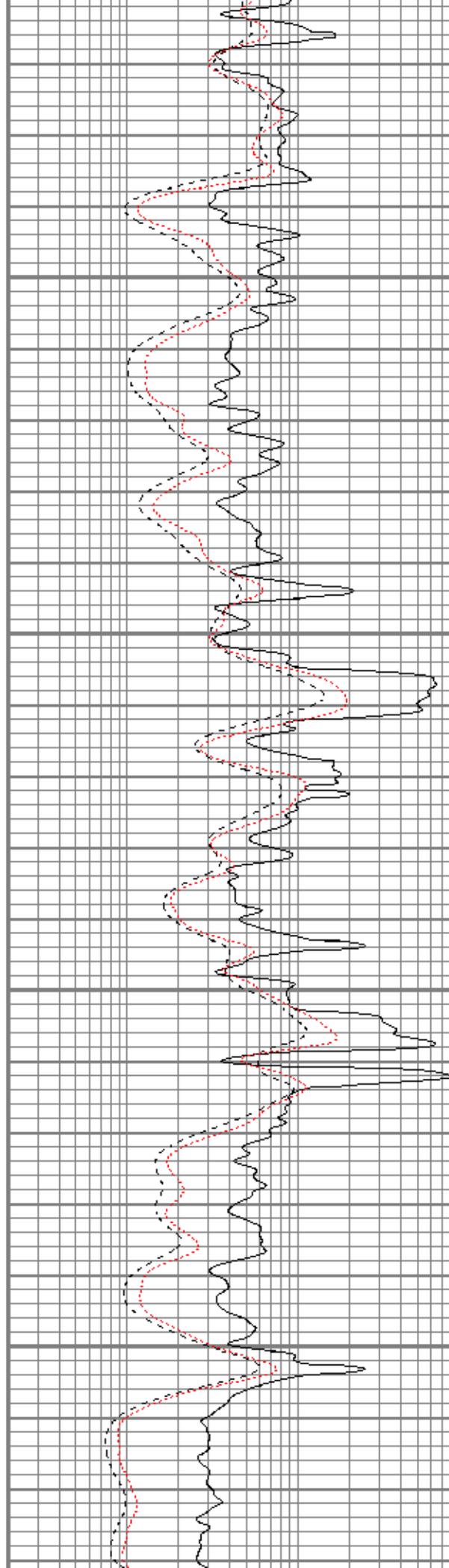


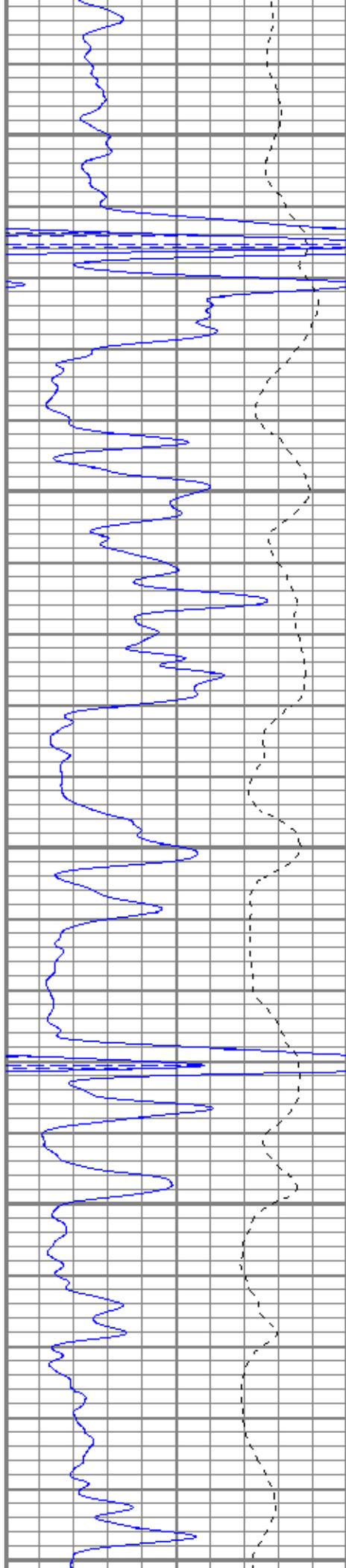
3450

3500

3550

3600





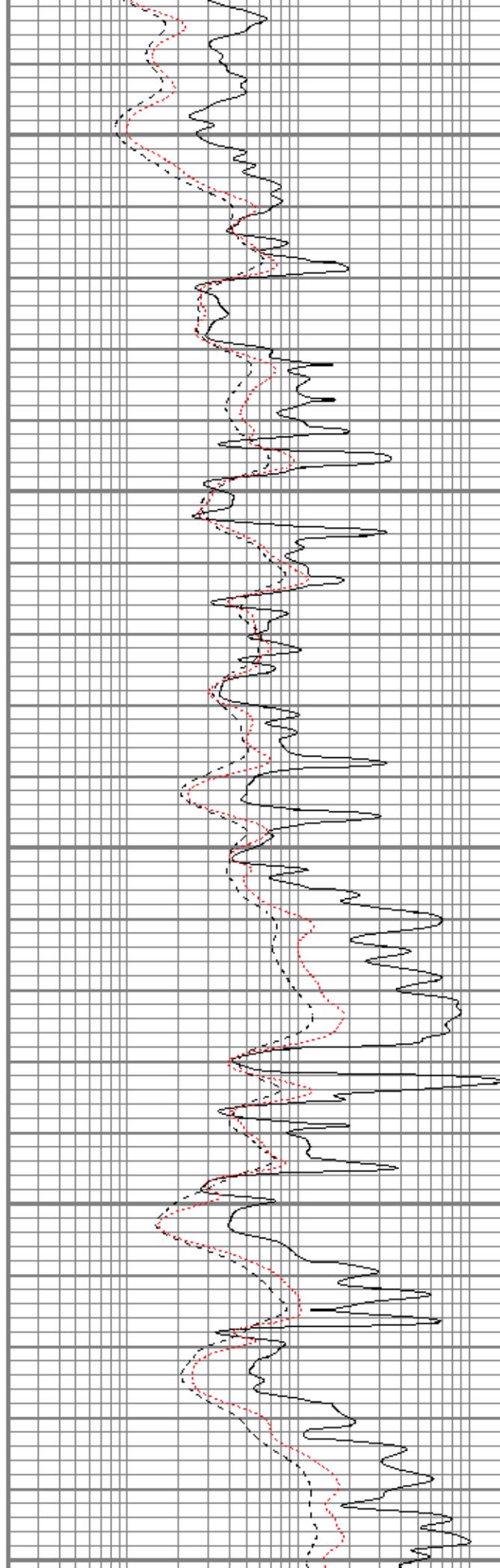
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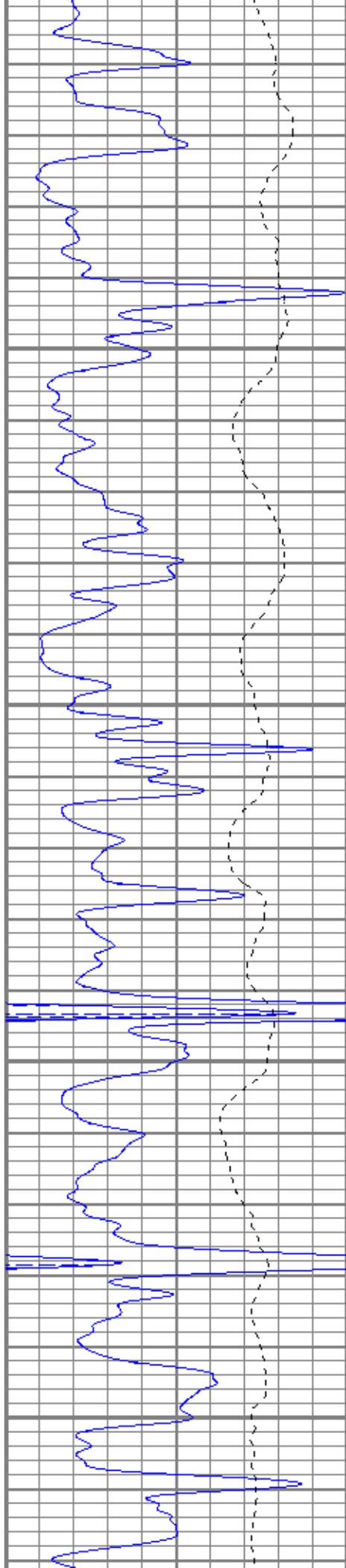
3700

3750

3800

3850



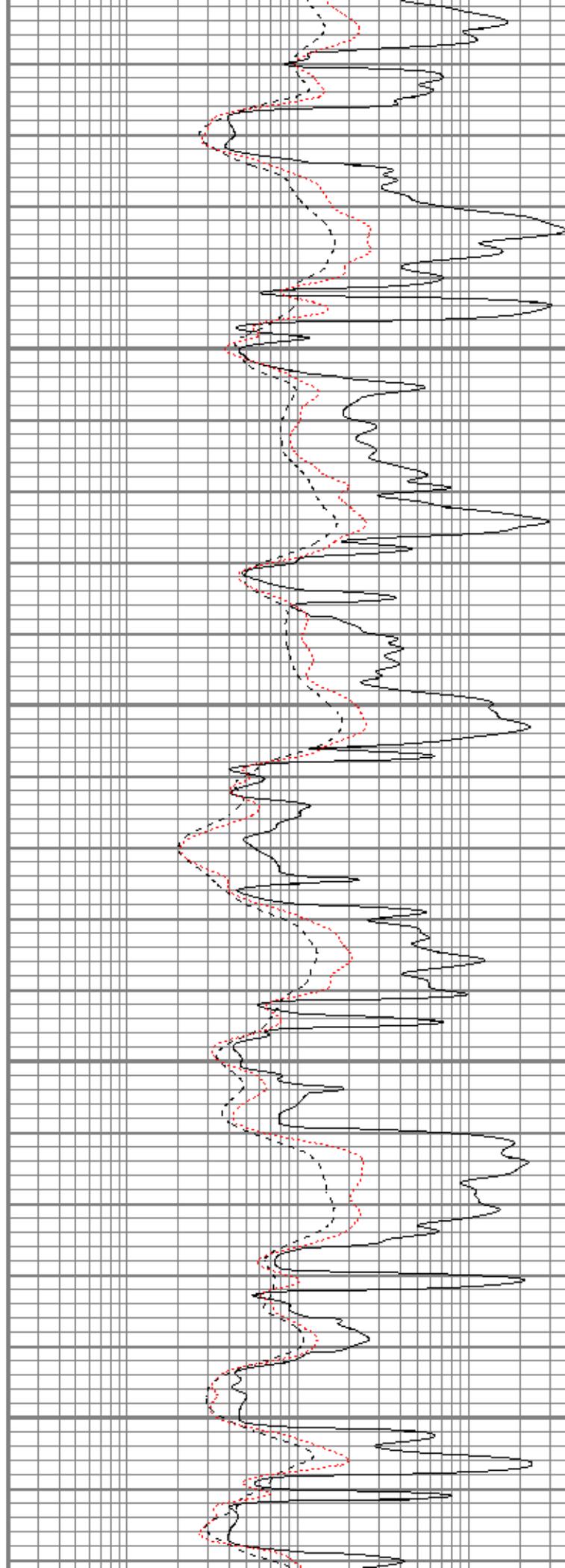


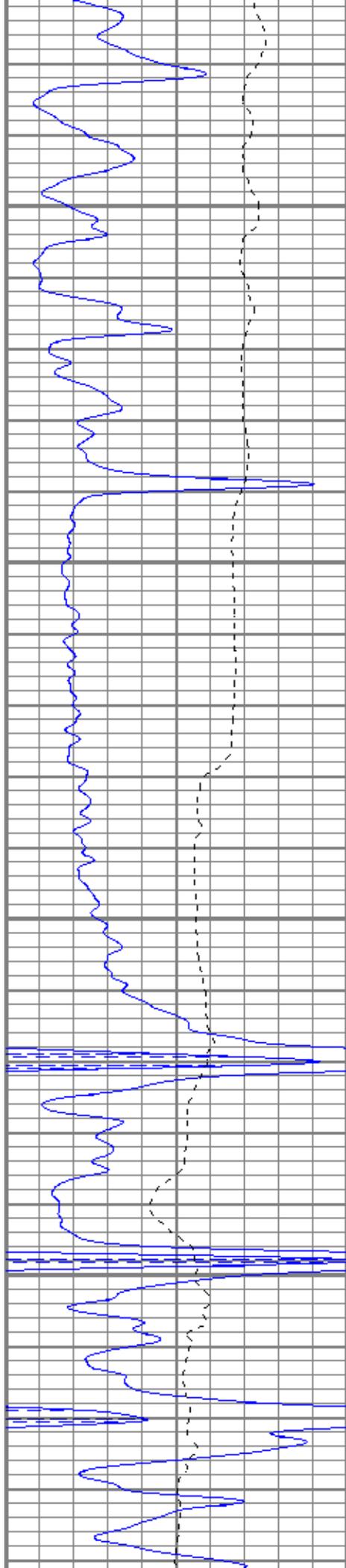
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3950

4000

4050



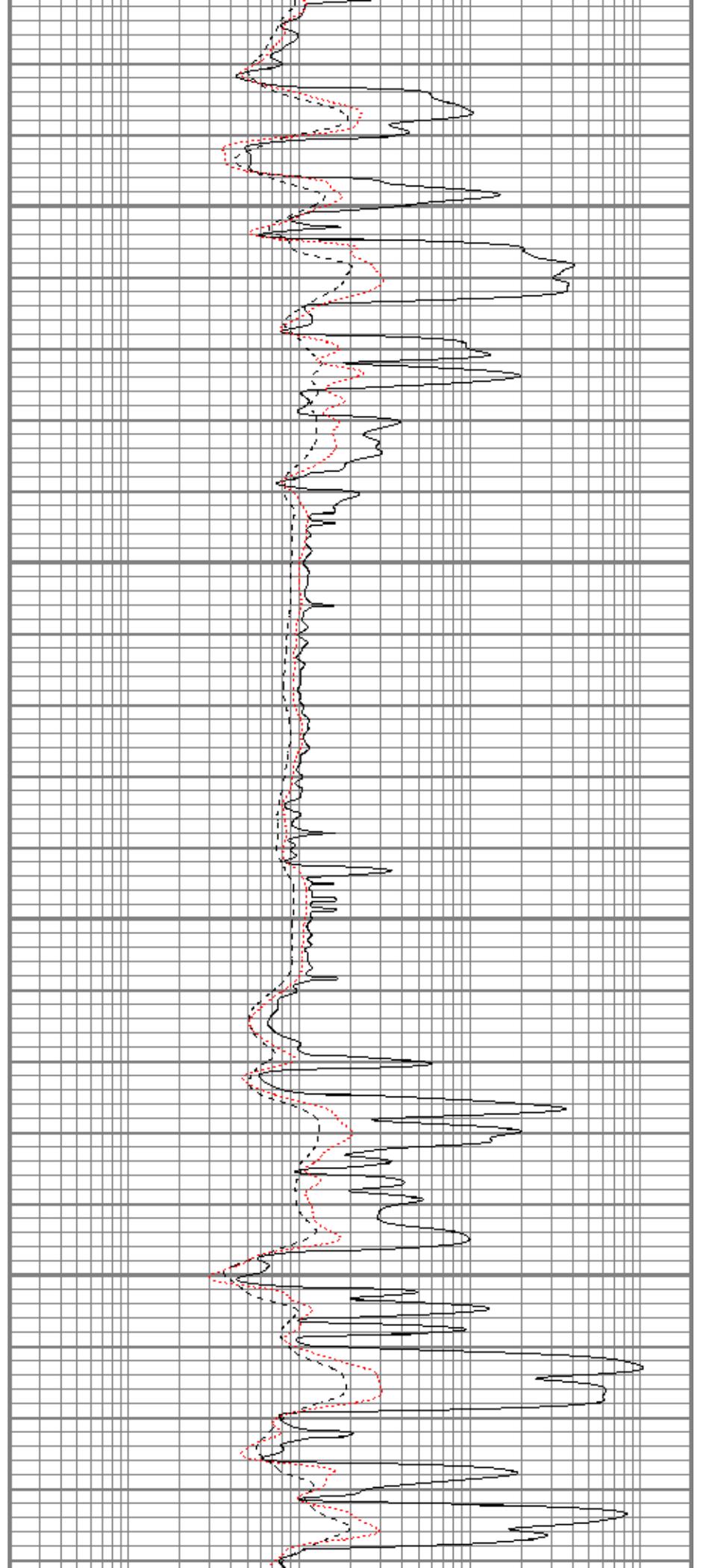


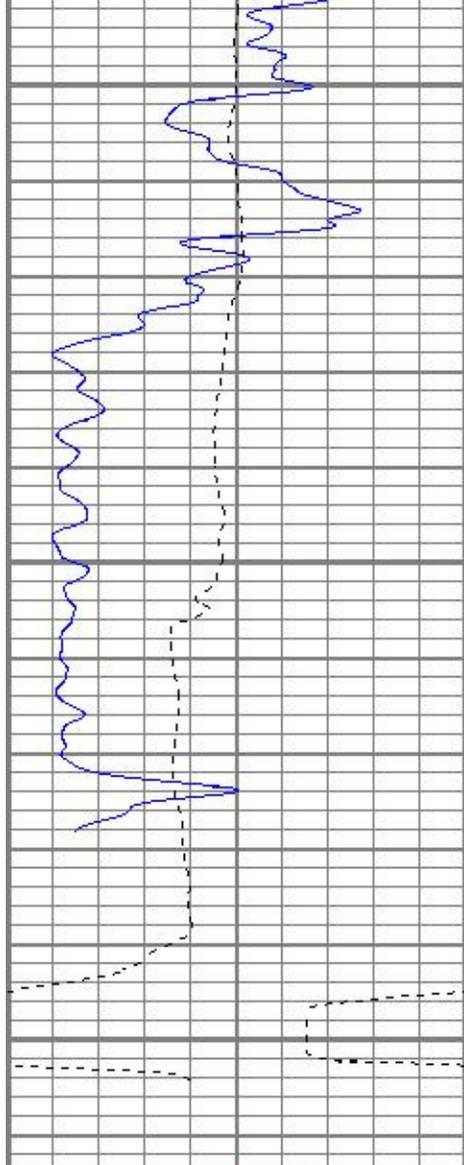
4100

4150

4200

4250



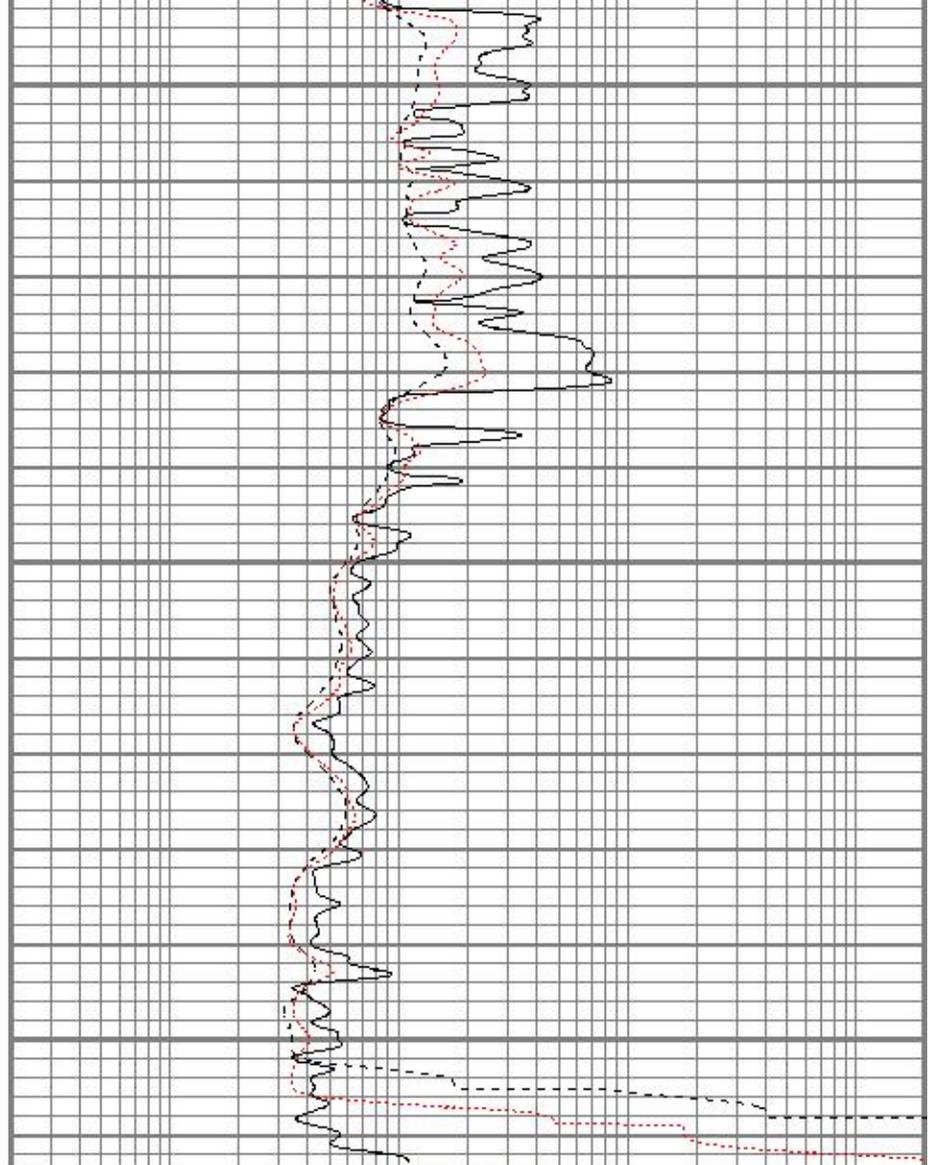


4300

4350

4400

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

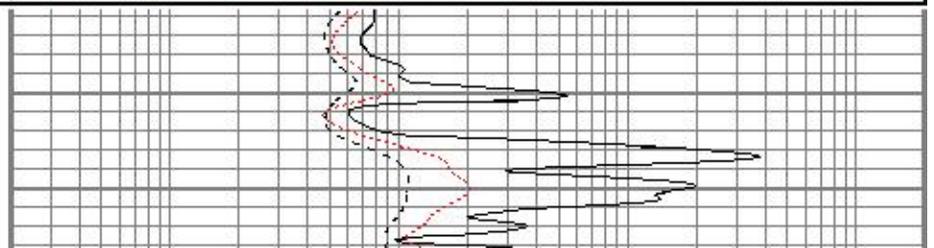
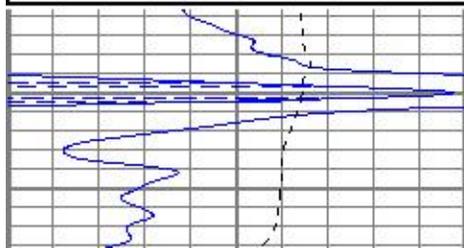


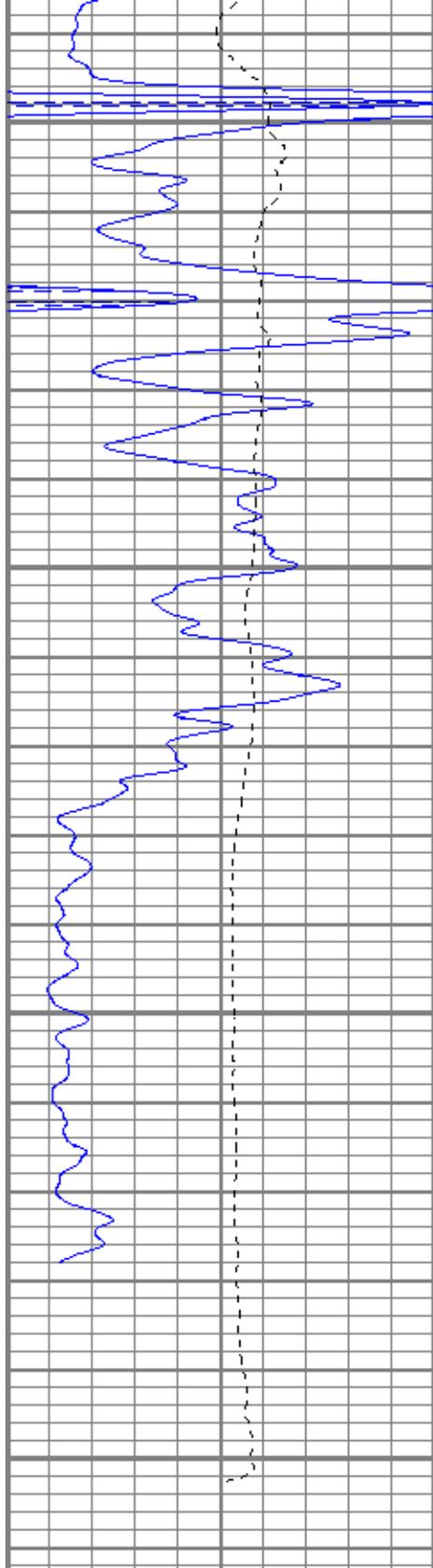
Repeat Pass

Database File tcfanshier#1-26oh.db
 Dataset Pathname pass1
 Presentation Format kdil
 Dataset Creation Sun Jan 17 11:57:01 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





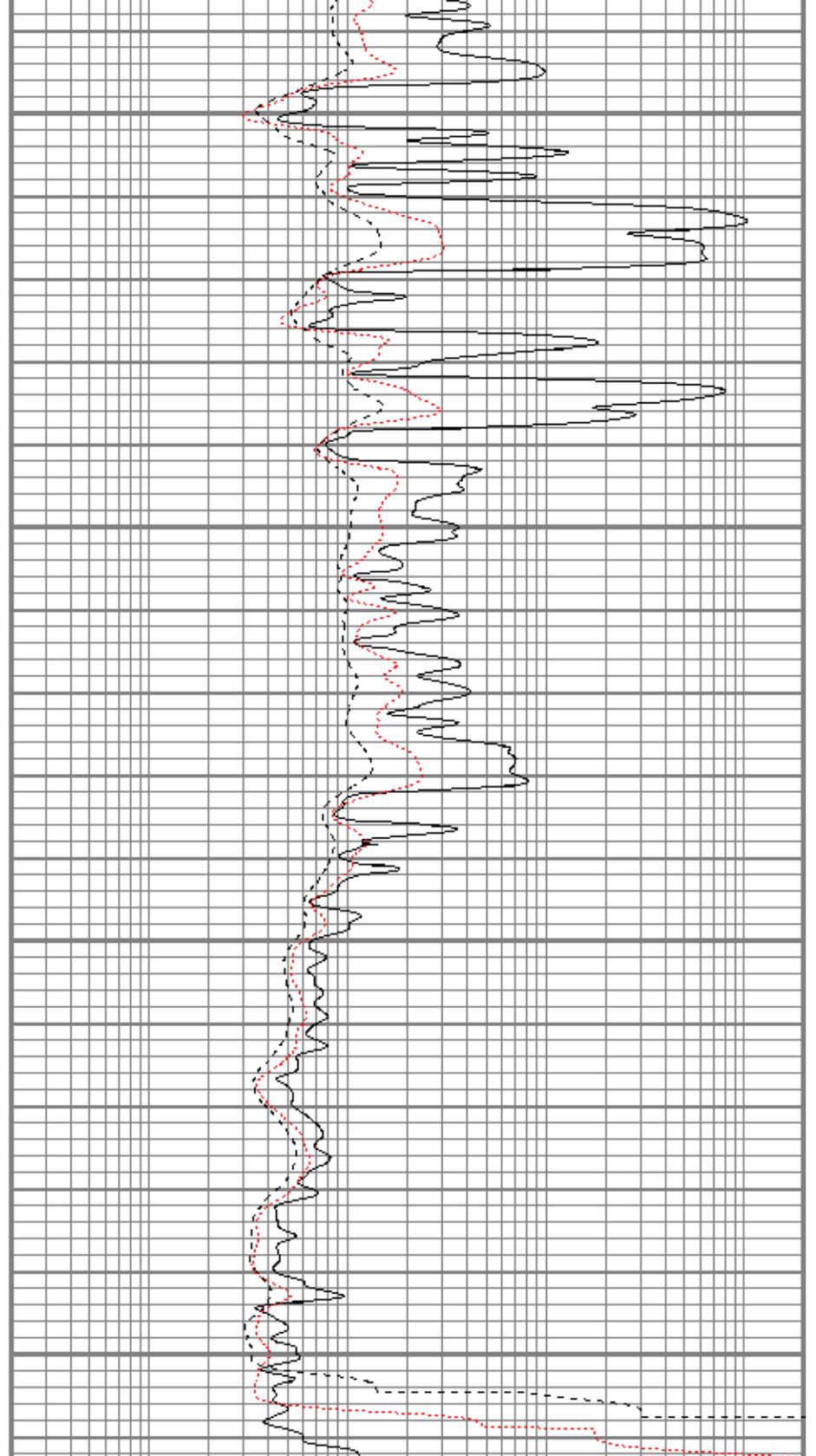
4250

4300

4350

4400

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

Calibration Report

Database File tcfanshier#1-26oh.db
 Dataset Pathname pass1
 Dataset Creation Sun Jan 17 11:57:01 2016

Dual Induction Calibration Report

Serial Model: 090522 Probe

Serial-Model:
 Surface Cal Performed:
 Downhole Cal Performed:
 After Survey Verification Performed:

080322-PROBE
 Sat Jan 16 17:13:31 2016
 Sat Jan 16 17:15:03 2016
 Sat Jan 16 17:15:03 2016

Surface Calibration								
Readings			References			Results		
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.056	0.645	V	0.000	400.000	mmho/m	570.886	31.795
Medium	-0.062	0.736	V	0.000	464.000	mmho/m	581.348	36.249
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.045	0.644	V	0.000	400.000	mmho/m	579.990	26.281
Medium	-0.052	0.737	V	0.000	464.000	mmho/m	587.653	30.613

Downhole Calibration								
Readings			References			Results		
	Zero	Cal		Zero	Cal		m'	b'
Deep	-1.606	401.641	mmho/m	5.927	399.648	mmho/m	0.976	7.495
Medium	-5.237	467.083	mmho/m	5.965	464.986	mmho/m	0.972	11.054
LL3		7.256	V		750.000	Ohm-m		
		0.009	V		12.000	Ohm-m		
		-7.364	V		3745.000	mmho-m		

After Survey Verification								
Readings			Targets			Results		
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-1.606	401.641	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	-5.237	467.083	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		750.000	Ohm-m		
		0.000	Ohm-m		12.000	Ohm-m		
		0.000	mmho-m		3745.000	mmho-m		

Compensated Density Calibration Report

Serial-Model: 2501DHT-DHT
 Source / Verifier: csv-j12 /
 Master Calibration Performed: Thu Nov 12 11:56:11 2015
 Before Survey Verification Performed:
 After Survey Verification Performed:

Master Calibration						
	Density		Far Detector	Near Detector		
Magnesium	1.750	g/cc	711.36	284.22	cps	
Aluminum	2.660	g/cc	133.07	180.42	cps	
Spine Angle = 74.83			Density/Spine Ratio = 0.524			
	Size		Reading			
Small Ring	7.70	in	5749.57			
Large Ring	14.00	in	9401.93			

Before Survey Verification						
	Target		Measured			
		g/cc			g/cc	
		g/cc			g/cc	
		g/cc			g/cc	

After Survey Verification						
	Target		Measured			
		g/cc			g/cc	
		g/cc			g/cc	
		g/cc			g/cc	

g/cc
g/cc
g/cc

g/cc
g/cc
g/cc

Gamma Ray Calibration Report

Serial Number: 2001
 Tool Model: OH
 Performed: Sun Dec 13 14:47:58 2015

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.2400 GAPI/cps

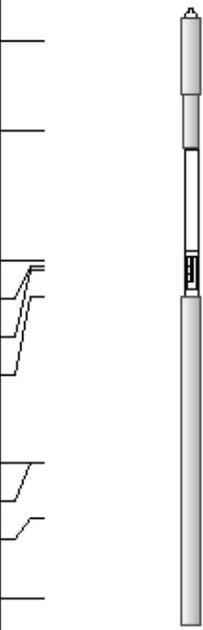
Neutron Calibration Report

Serial Number: 5108
 Tool Model: PROBE
 Performed: Sun Dec 13 14:47:55 2015

Calibrator Value: 1 NAPI

Calibrator Reading: 1 cps

Sensitivity: 1 NAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
NEU	38.26		CHD-None	0.75	1.50	5.00
			NEU-PROBE (5108) Probe	4.92	3.63	85.00
GR	32.32		GR-OH (2001) 2001	3.56	3.25	40.00
			CDL-DHT (2501DHT) Digital High Temp CDL Tool	9.69	4.00	201.00
LSD	23.78					
DCAL	23.49					
SSD	23.24					
HEADVOLT	21.47					
SP	10.60		DIL-Probe (080522) Probe Dual Induction	21.47	4.00	345.00
CILD	10.60					
CILM	6.89					
RLL3	1.70					

Dataset: tcfanshier#1-26oh.db: field/well/run1/pass1
 Total length: 40.39 ft
 Total weight: 676.00 lb
 O.D.: 4.00 in