DUAL INDUCTION LOG

Company Prairie Fire Petroleum, LLC.
Well Dane G. Hansen Foundation #1-15
Field Wildcat
County Norton State KS

Company Prairie Fire Petroleum, LLC.
Well Dane G. Hansen Foundation #1-15
Field Wildcat
County Norton
State KS

Location: API # : 15 137 20737

545' FNL & 2090' FWL

SEC 15 TWP 2S RGE 21W

Other Services
BCS
CDNL
ML

Elevation
K.B. 2197'
D.F. 2196'
G.L. 2192'

Permanent Datum	Ground Level	Elevation	2192'
Log Measured From	KB 5' AGL		
Drilling Measured From	KB		

Date	4-13-16		
Run Number	One		
Depth Driller	3875'		
Depth Logger	3875'		
Bottom Logged Interval	3873'		
Top Log Interval	200'		
Casing Driller	8 5/8" @ 220'		
Casing Logger	220'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.3/53		
pH / Fluid Loss	10.6/6.4		
Source of Sample	Pit		
Rm @ Meas. Temp	.9@60degf		
Rmf @ Meas. Temp	.68@60degf		
Rmc @ Meas. Temp	1.08@60degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	.58@92degf		
Time Circulation Stopped	3:45 a.m.		
Time Logger on Bottom	6:30 a.m.		
Maximum Recorded Temperature	92degf		
Equipment Number	T127		
Location	Hays, KS		
Recorded By	Gus Pfanenstiel		
Witnessed By	Mr. Kevin Bailey		

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Comments

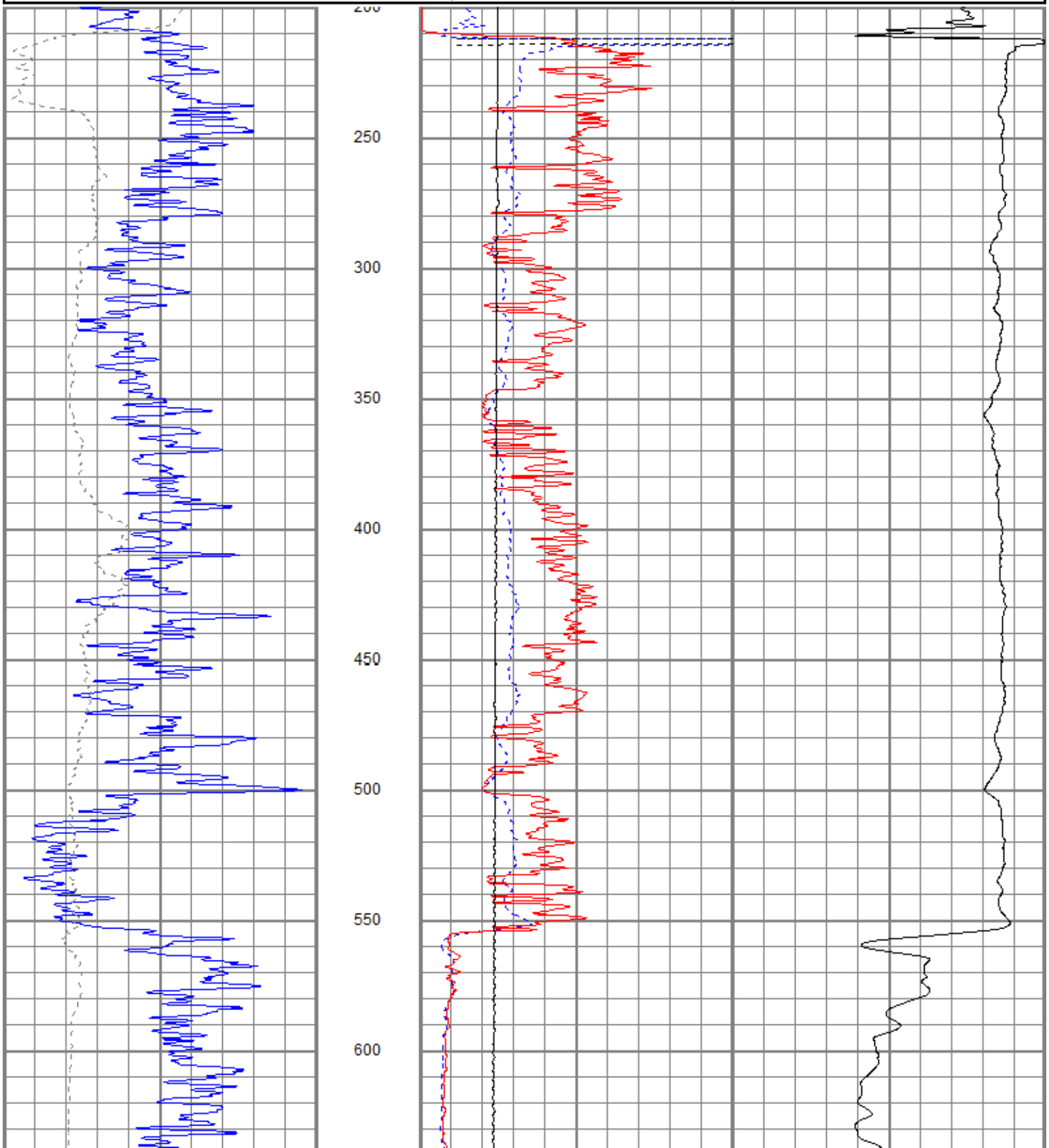
West out of Phillipsburg to 12 Rd.
North to I Rd. West 1/2 mile,
South into.

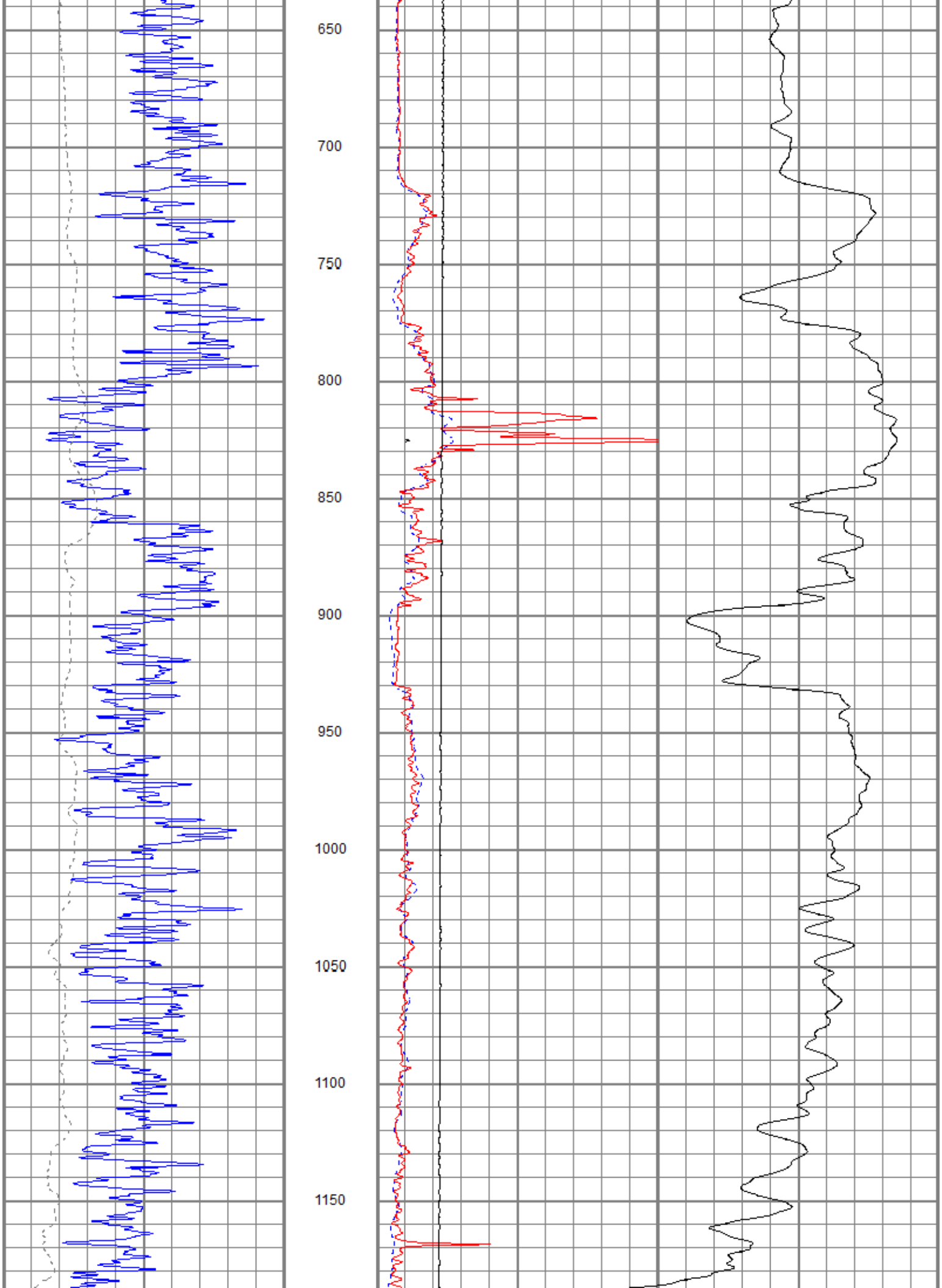
Main Pass

Database File	pfdaneghansenfoundation#1-15oh.db
Dataset Pathname	pass2
Presentation Format	kdillin2
Dataset Creation	Wed Apr 13 07:12:00 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

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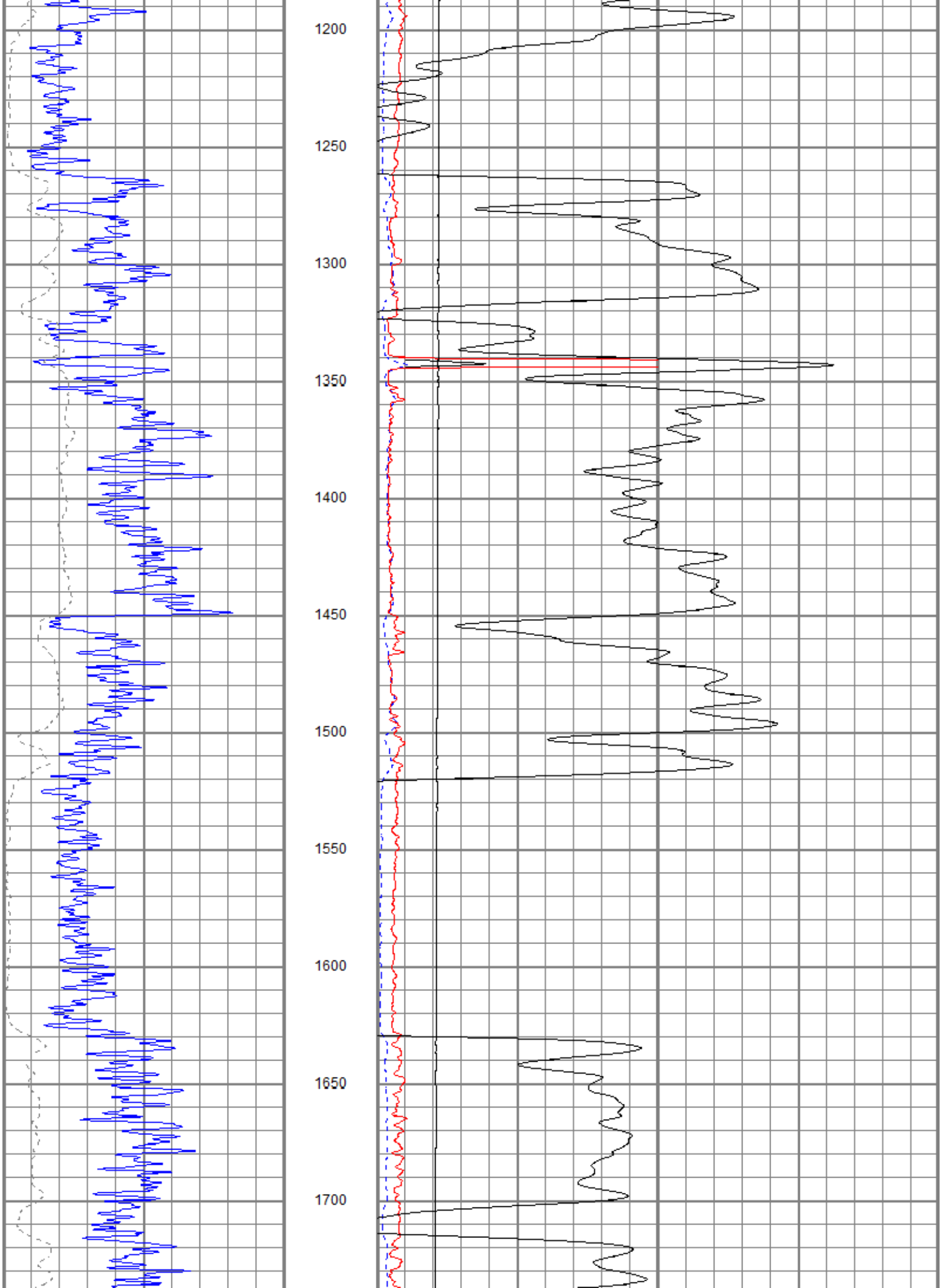
700
750
800
850
900
950
1000
1050
1100
1150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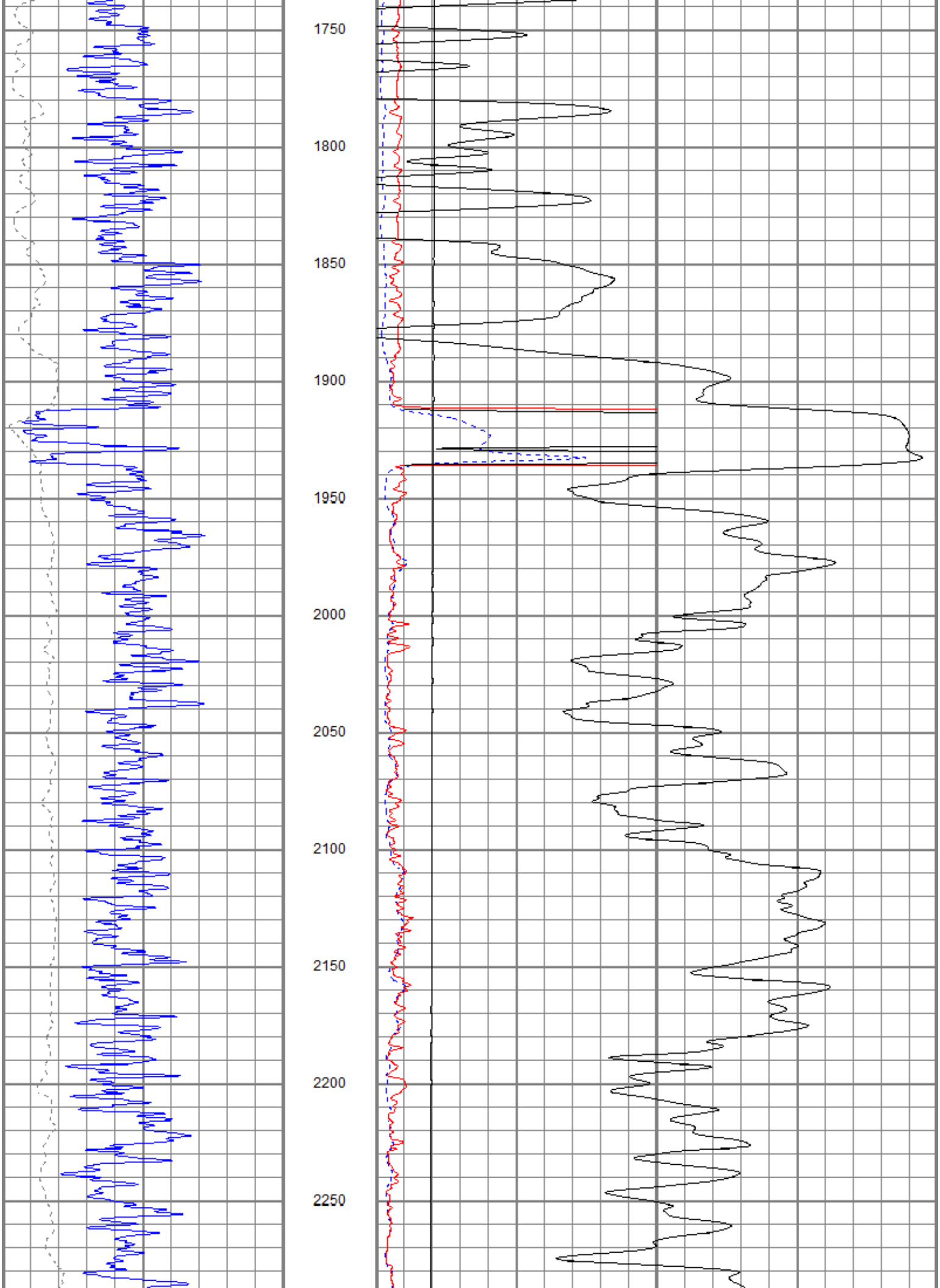
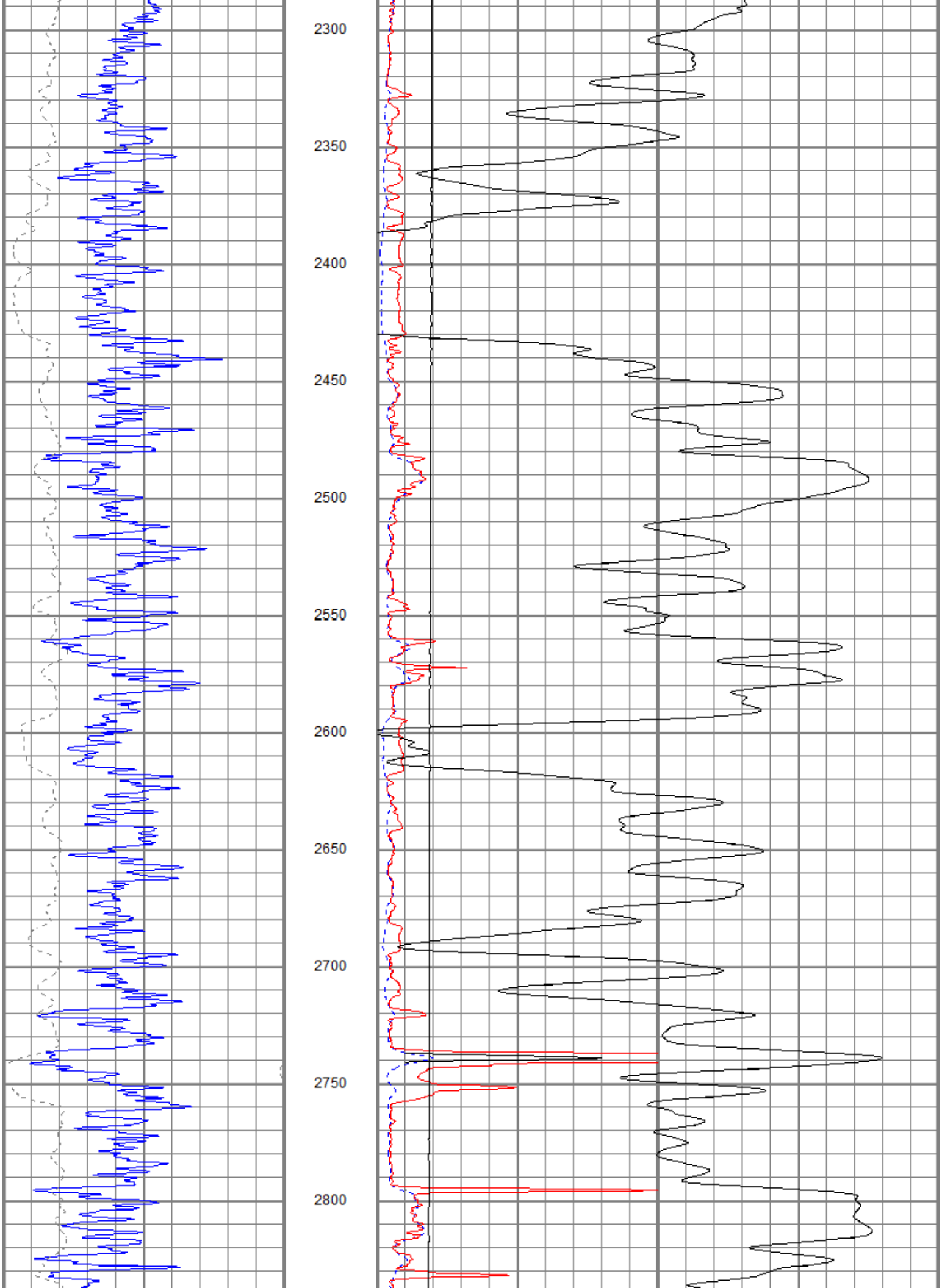
1250
1300
1350
1400
1450
1500
1550
1600
1650
1700


1750
1800
1850
1900
1950
2000
2050
2100
2150
2200
2250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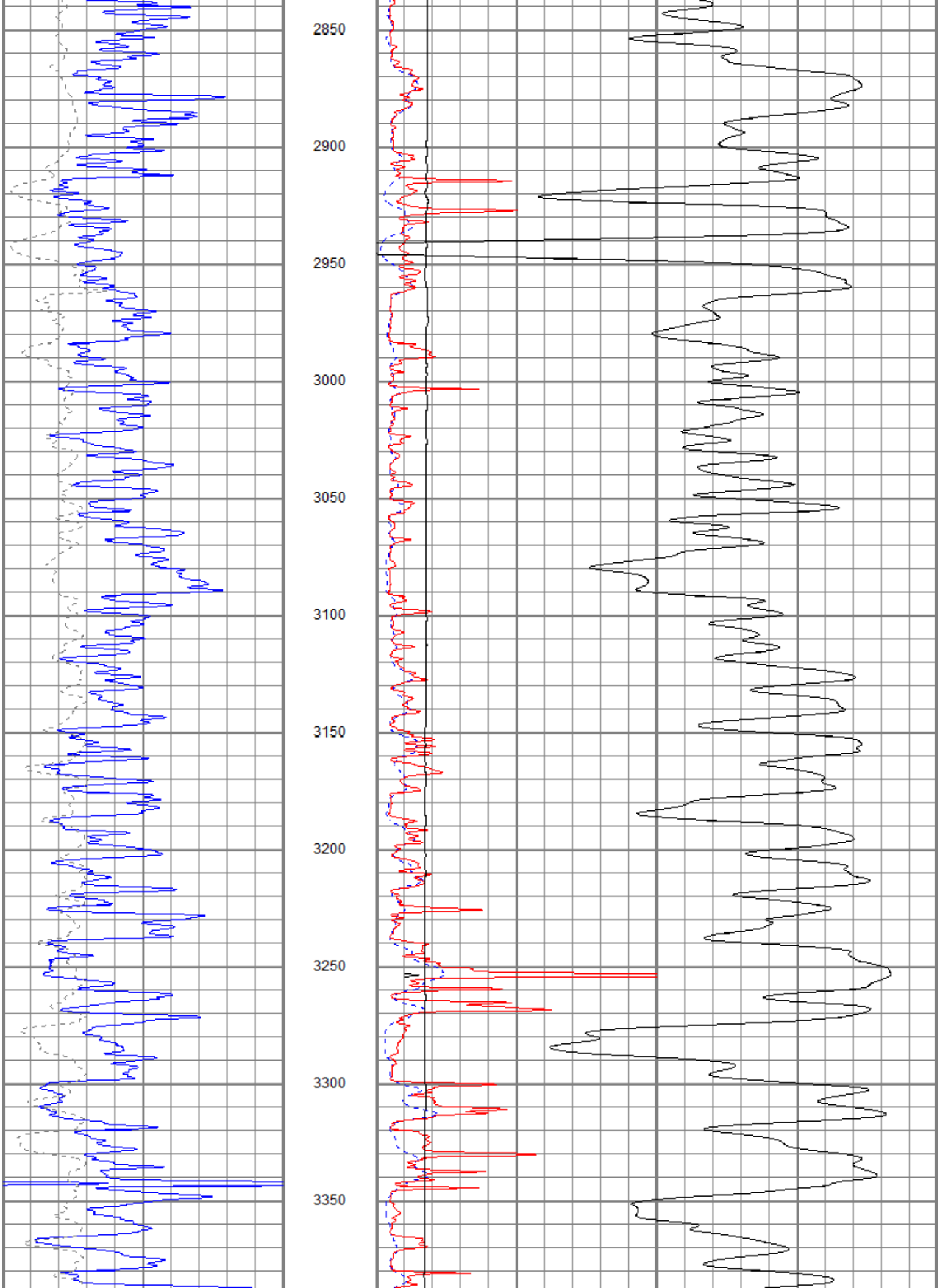
2350
2400
2450
2500
2550
2600
2650
2700
2750
2800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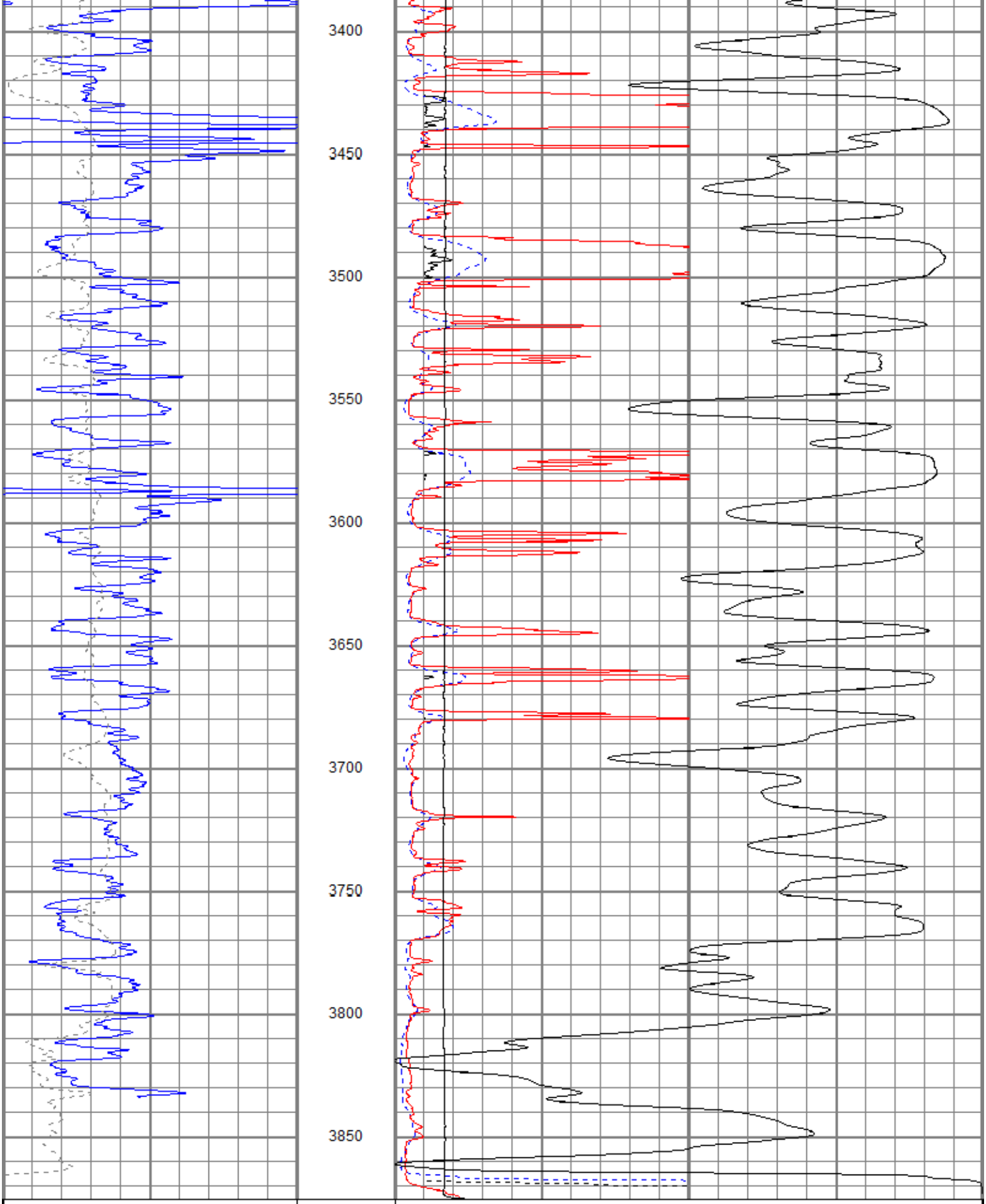
2900
2950
3000
3050
3100
3150
3200
3250
3300
3350

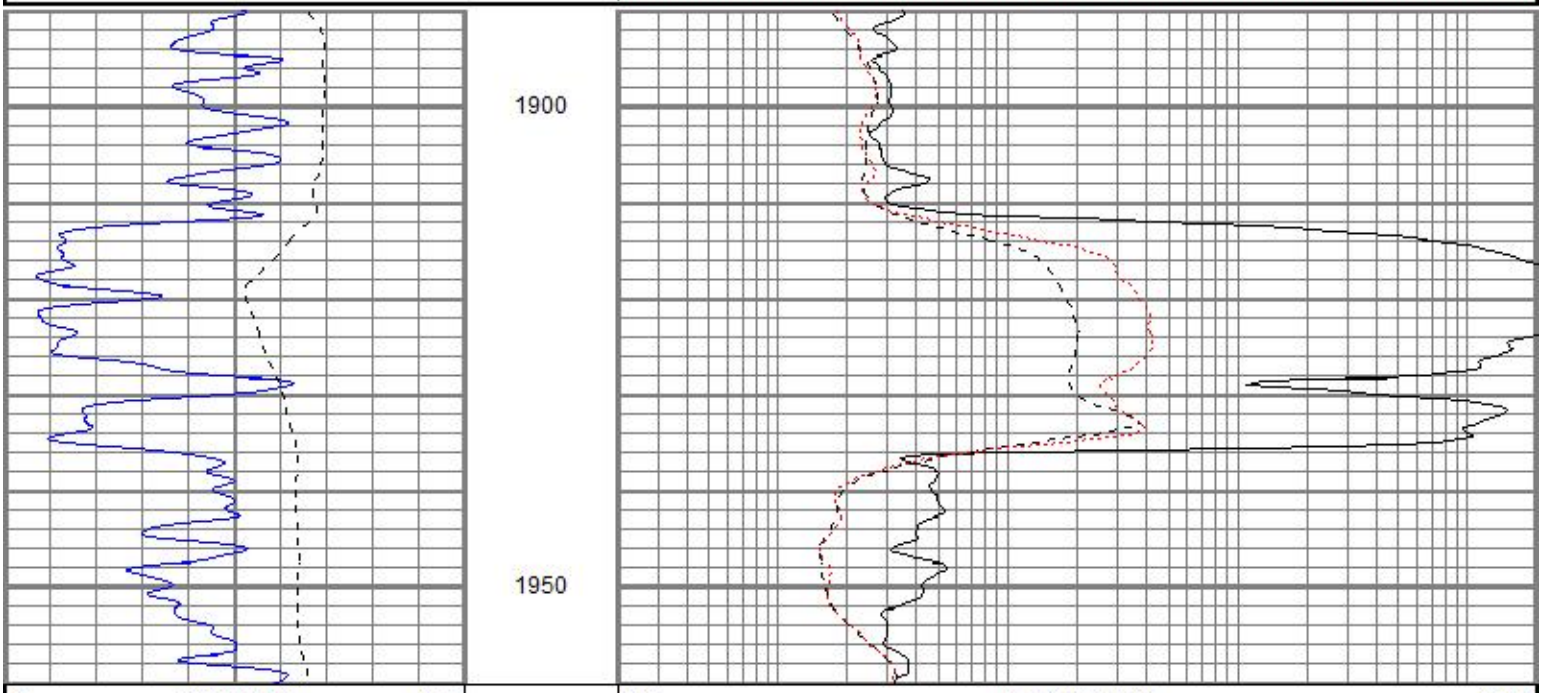

3400
3450
3500
3550
3600
3650
3700
3750
3800
3850
0
GR (GAPI)
150
-200
SP (mV)
0
1000
CILD (mmho/m)
0
10000
LTEN (lb)
0
0
RILD (Ohm-m)
50
0
RLL3 (Ohm-m)
50
50
RILD x 10 (Ohm-m)
500
50
RLL3 x 10 (Ohm-m)
500

Main Pass

Database File	pfdaneghansenfoundation#1-15oh.db
Dataset Pathname	pass2
Presentation Format	kdil
Dataset Creation	Wed Apr 13 07:12:00 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



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

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0	GR (GAPI)	150
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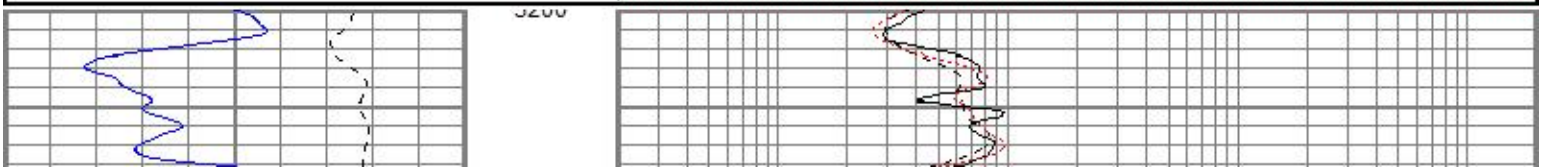
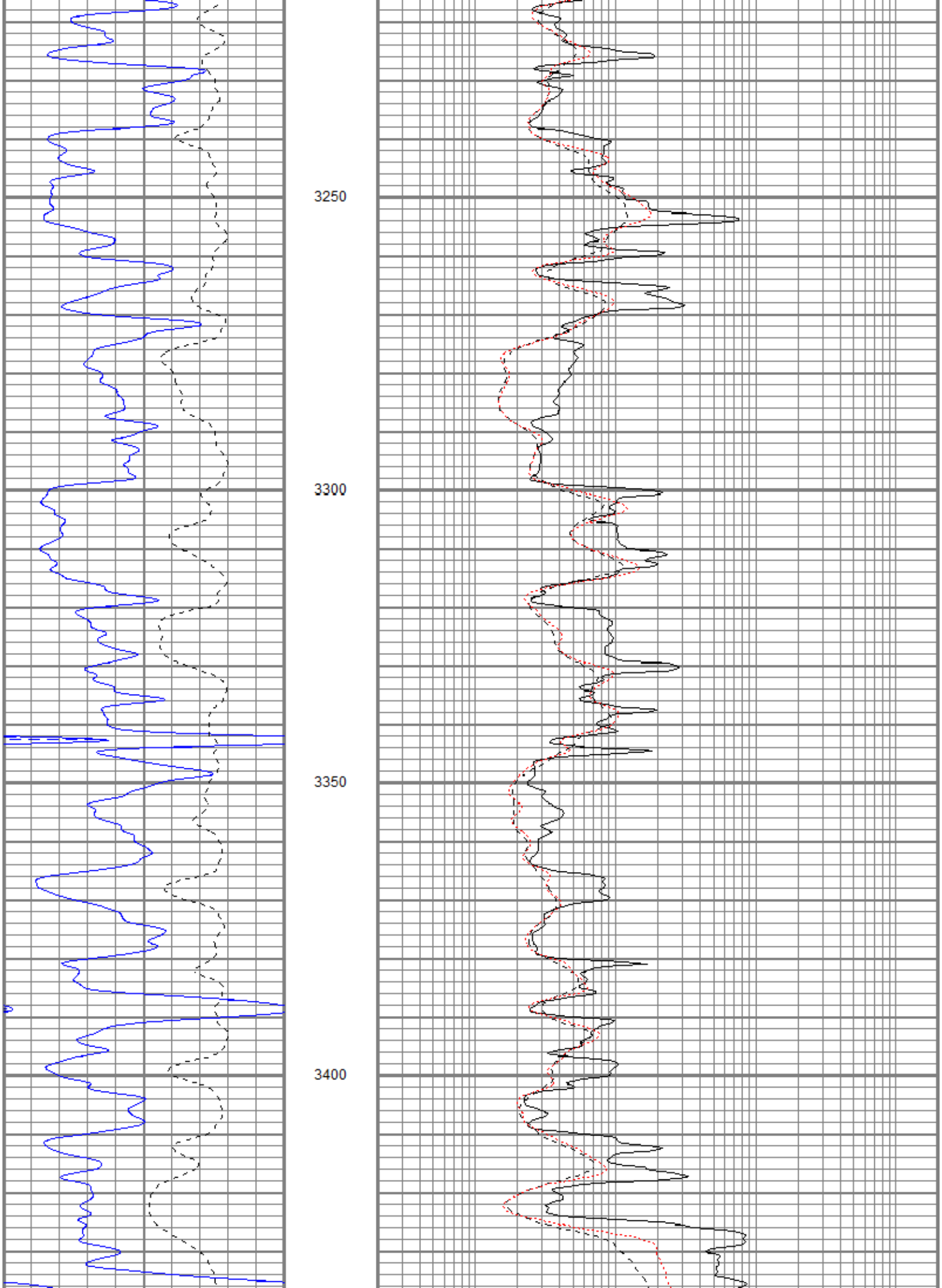
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

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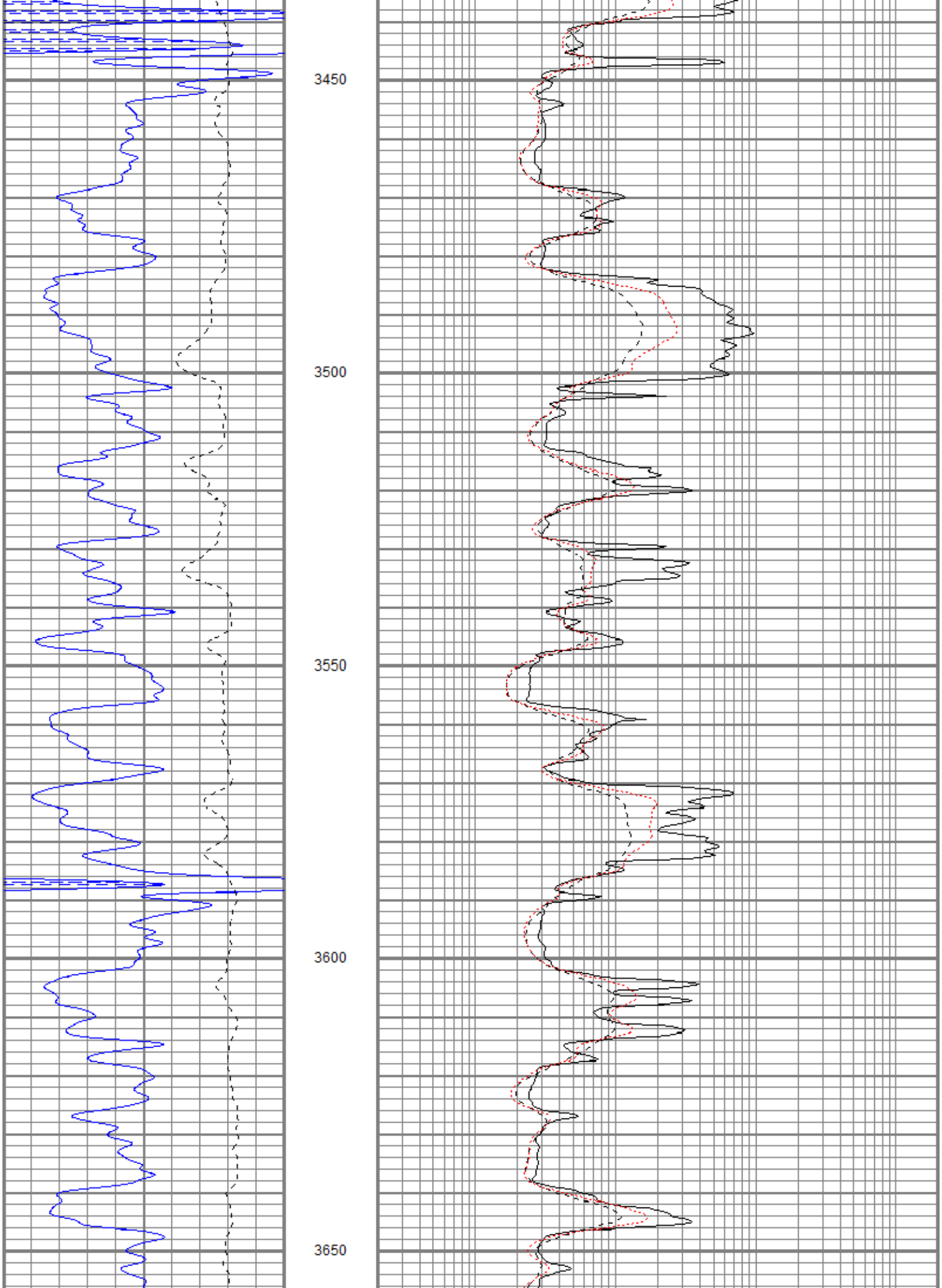
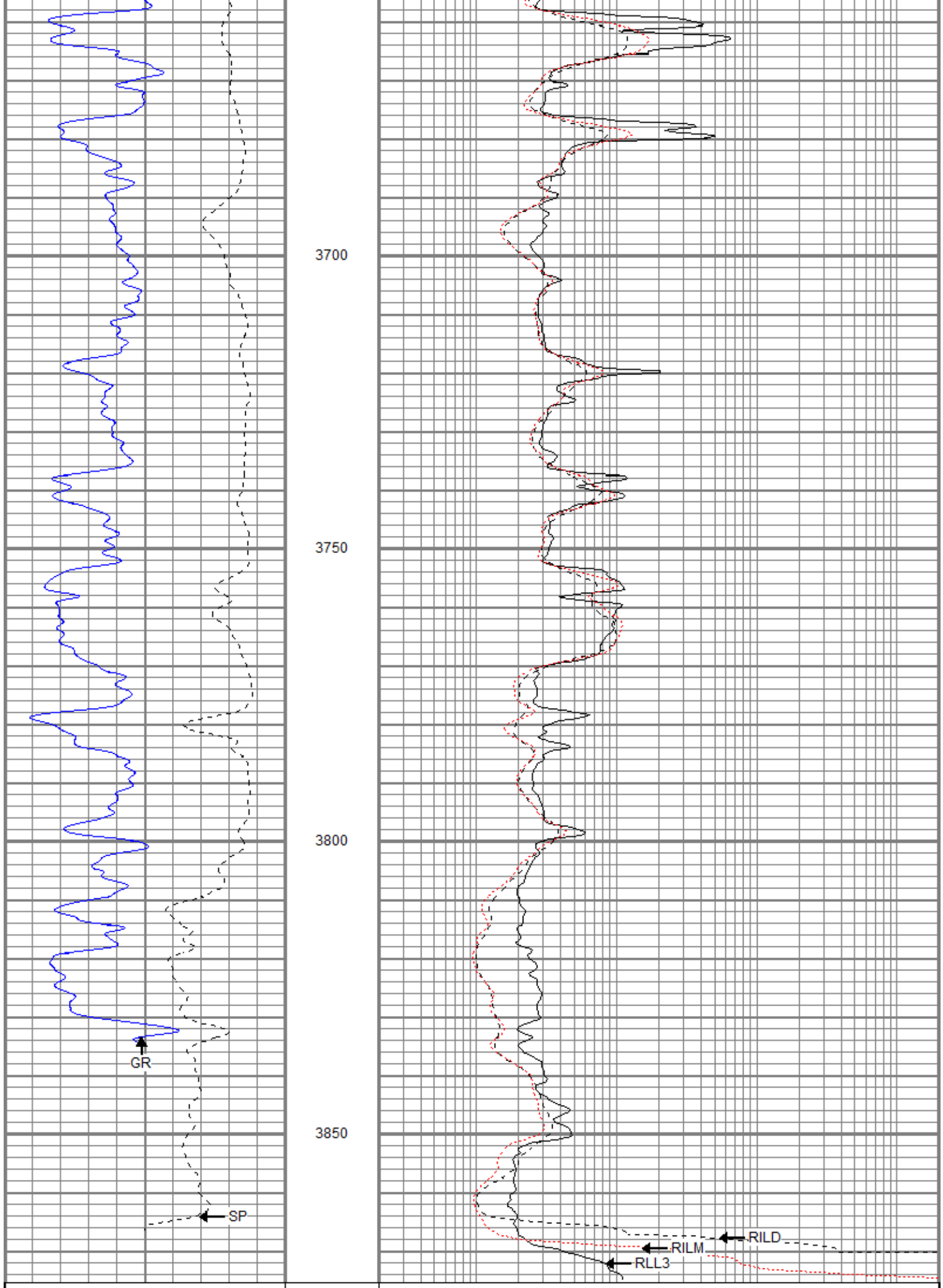
3300
3350
3400


3450
3500
3550
3600
3650


3700
3750
3800
3850
GR
SP
RILD
RILM
RLL3

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

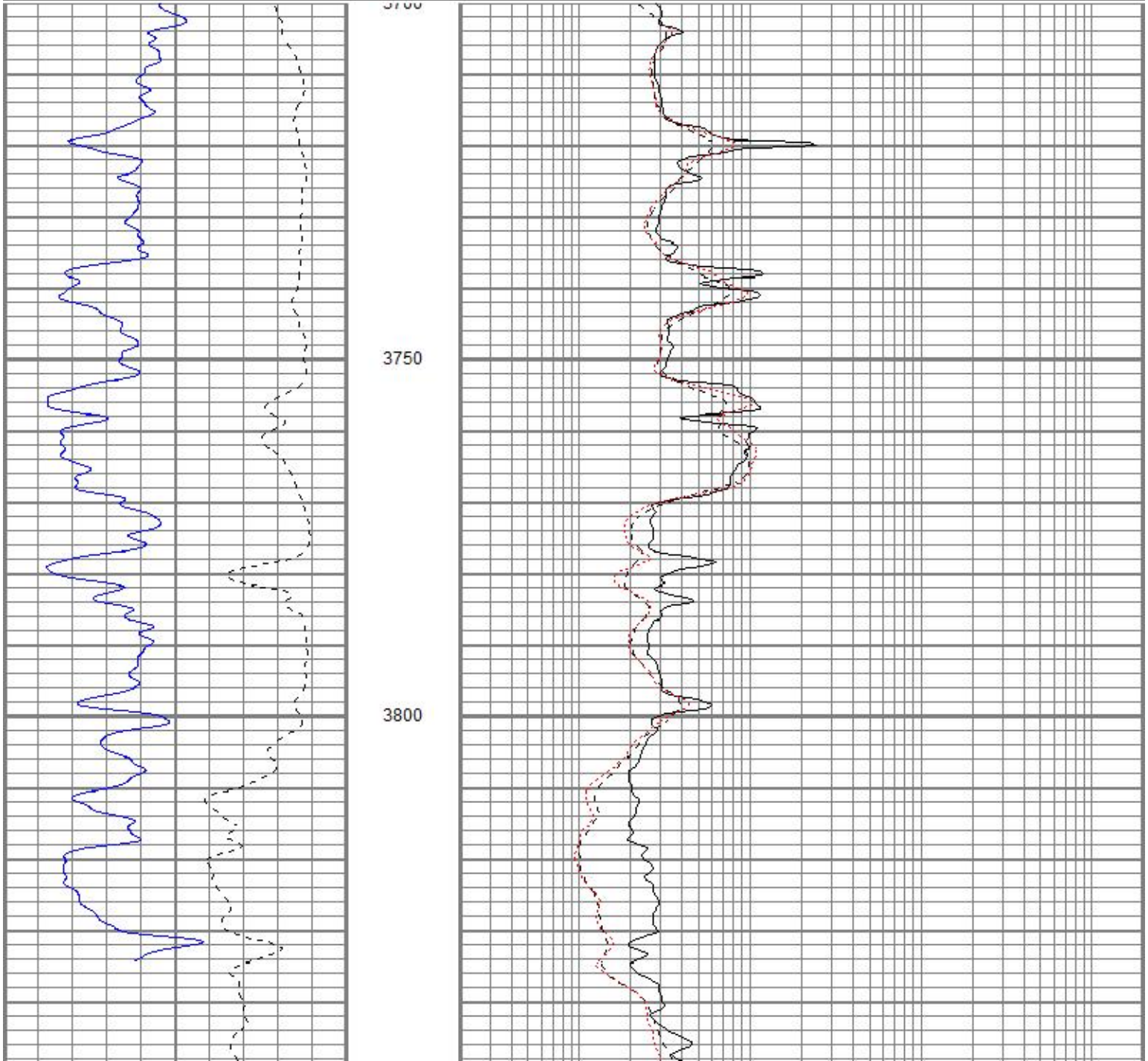
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

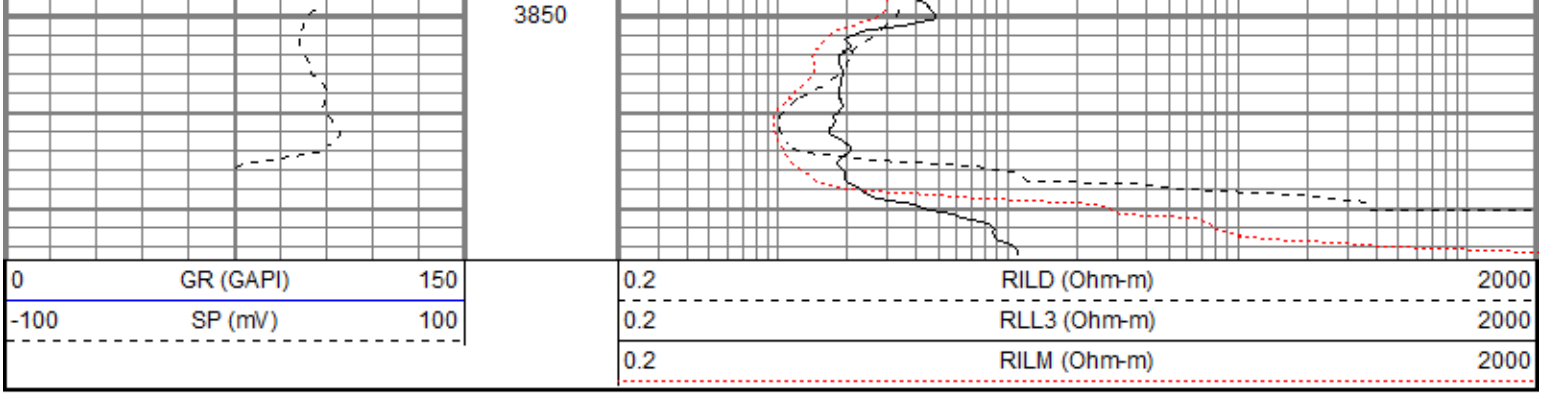
Repeat Pass

Database File	pfdaneghansenfoundation#1-15oh.db
Dataset Pathname	pass1
Presentation Format	kdil
Dataset Creation	Wed Apr 13 06:55:49 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





Calibration Report

Database File pfdaneghansenfoundation#1-15oh.db
Dataset Pathname pass1
Dataset Creation Wed Apr 13 06:55:49 2016

Dual Induction Calibration Report

Serial-Model:	080522-Probe
Surface Cal Performed:	Mon Mar 14 11:26:37 2016
Downhole Cal Performed:	Mon Mar 14 11:26:40 2016
After Survey Verification Performed:	Mon Mar 14 11:26:42 2016

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.040	0.651	V	0.000	400.000	mmho/m	578.981	22.871
Medium	-0.028	0.742	V	0.000	464.000	mmho/m	602.582	16.690
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.016	0.653	V	0.000	400.000	mmho/m	598.311	9.396
Medium	-0.025	0.747	V	0.000	464.000	mmho/m	601.262	14.808

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	6.834	401.088	mmho/m	13.778	400.855	mmho/m	0.982	7.068
Medium	-2.964	468.230	mmho/m	1.850	466.869	mmho/m	0.987	4.775
LL3		7.145	V		750.000	Ohm-m		
		0.016	V		12.000	Ohm-m		
		-7.248	V		3745.000	mmho-m		

After Survey Verification

	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	6.834	401.088	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	-2.964	468.230	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		

Neutron Calibration Report

Serial Number:	2301AN	
Tool Model:	Oilex	
Performed:	(Not Performed)	
Calibrator Value:	1	NAPI
Calibrator Reading:	1	cps

Sensitivity:	1	NAPI/cps

Gamma Ray Calibration Report

Serial Number:	1	
Tool Model:	A	
Performed:	Sat Apr 09 21:14:16 2016	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.7000	GAPI/cps

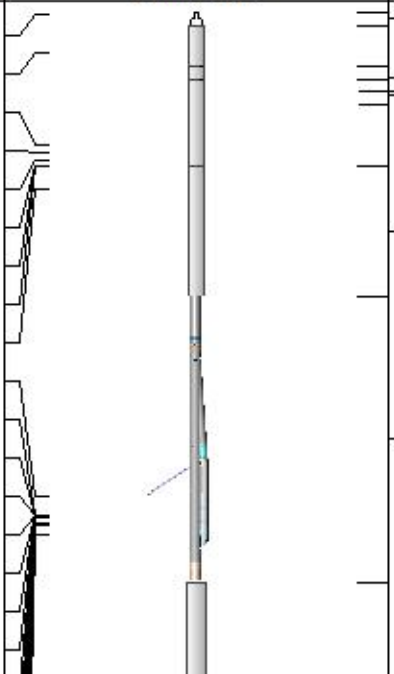
Temperature Calibration Report

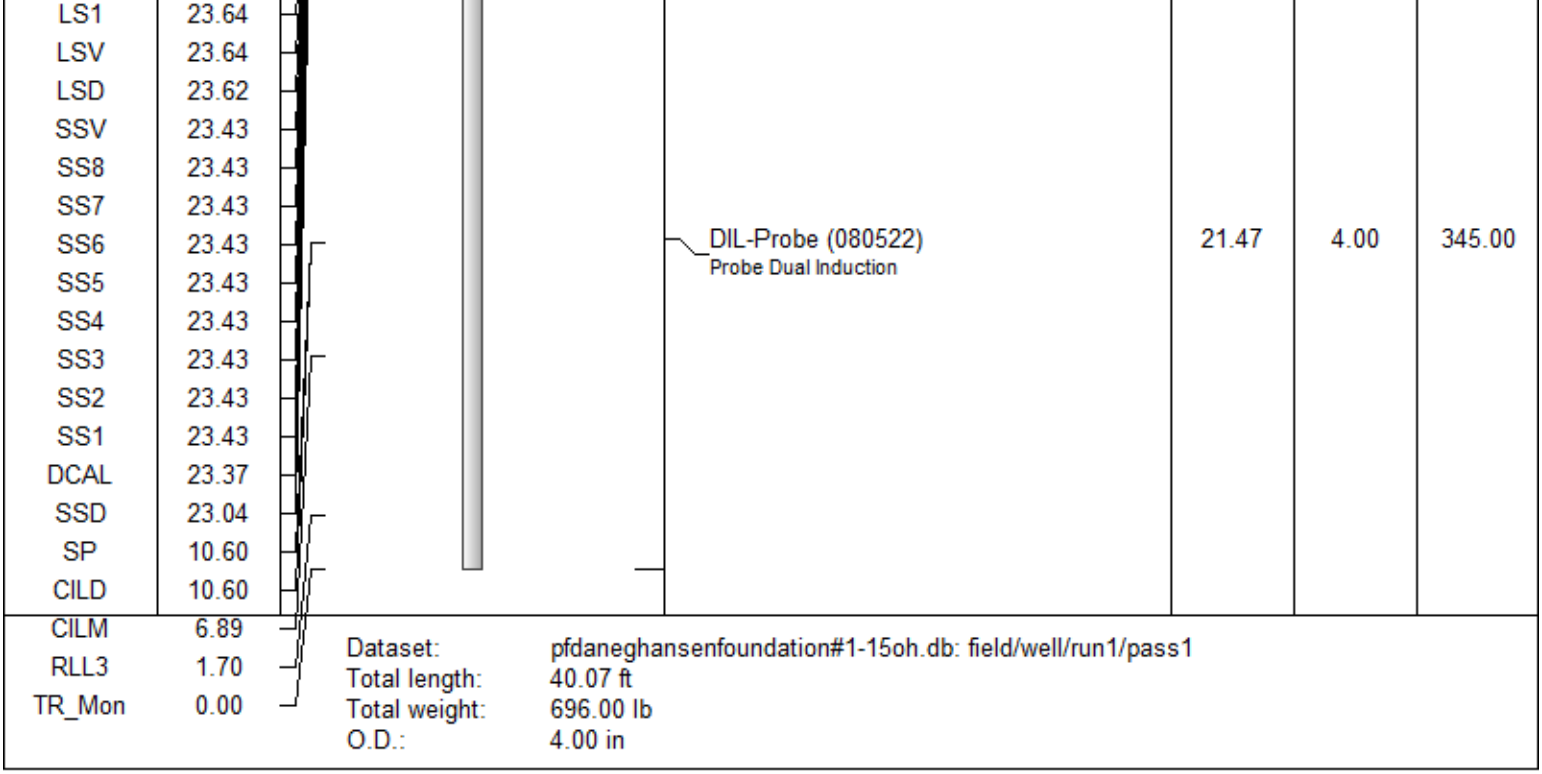
Serial Number:	1			
Tool Model:	A			
Performed:	Sat Apr 09 21:14:20 2016			
	Reference		Reading	
Low Reference:	0.00	degF	0.00	degF
High Reference:	32.00	degF	32.00	degF
Gain:	1.00			
Offset:	0.00			
Delta Spacing	1			

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	39.99		CHD-STD	0.50	1.69	1.00
GR	38.71		ADT1PULSE-A (1) Pulsed Interface Tool #1	0.83	3.50	10.00
TEMP	35.74		ADT1ADC-A (1) Analog Interface #1	0.83	3.50	10.00
ASTAT	35.45		ADT1SENSORS-A (1)	4.54	3.50	10.00
GRD	35.20		NEU-Oilex (2301AN) Oilex 100V NEU	4.27	3.50	80.00
ACCY	35.03					
ACCX	35.03					
SSTAT	35.03					
NEU	34.26					
LStat	24.30					
LS8	23.64		ADT1LITH-A (1) Admyr Litho Density Tool	9.29	3.50	240.00
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	DIL-Probe (080522) Probe Dual Induction	21.47	4.00	345.00
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				

Dataset: pfdaneghansenfoundation#1-15oh.db: field/well/run1/pass1
Total length: 40.07 ft
Total weight: 696.00 lb
O.D.: 4.00 in