DUAL INDUCTION LOG

Company American Oil Company
Well Dorzweiler #1
Field Pleasant
County Ellis State KS

Location: API # : 15 051 26565
1650' FSL & 1138' FWL
SEC 33 TWP 13S RGE 20W

Other Services
ML
CDNL

Elevation
K.B. 2222'
D.F. 2221'
G.L. 2214'

Permanent Datum Ground Level Elevation 2214'
Log Measured From KB 8' AGL
Drilling Measured From KB

Date	8-7-13		
Run Number	One		
Depth Driller	3920'		
Depth Logger	3922'		
Bottom Logged Interval	3920'		
Top Log Interval	200'		
Casing Driller	221'		
Casing Logger	221'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical Mud		
Density / Viscosity	9.1/60		
pH / Fluid Loss	9.5/8.8		
Source of Sample	Pit		
Rm @ Meas. Temp	.5@72degf		
Rmf @ Meas. Temp	.38@72degf		
Rmc @ Meas. Temp	.6@72degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	.32@112degf		
Time Circulation Stopped	9:00 a.m.		
Time Logger on Bottom	10:30 a.m.		
Maximum Recorded Temperature	112 degf		
Equipment Number	T127		
Location	Hays, KS.		
Recorded By	Gus Pfanenstiel		
Witnessed By	Marc Downing		

Company American Oil Company
Well Dorzweiler #1
Field Pleasant
County Ellis
State KS

<<< Fold Here >>>

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

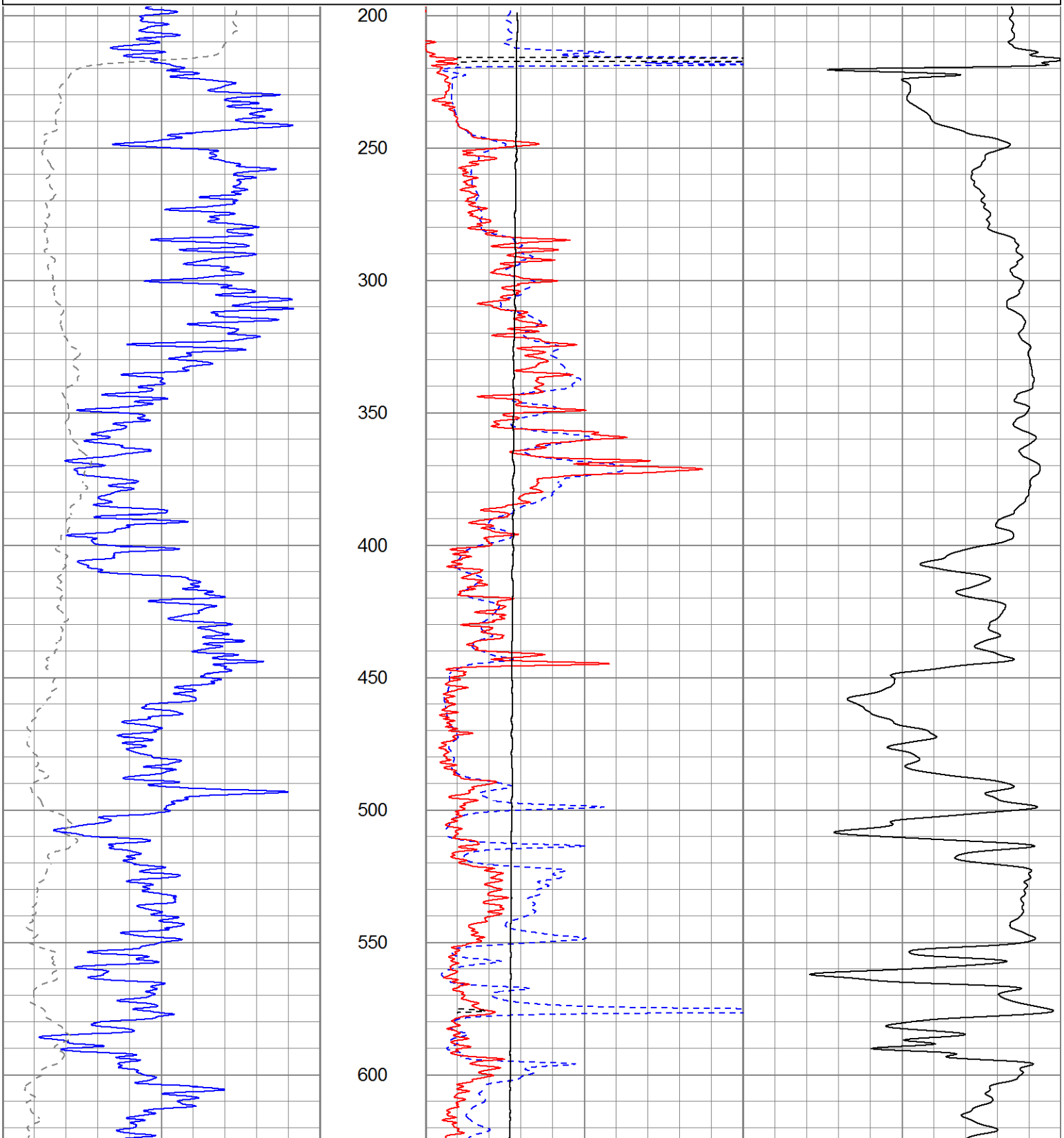
Thank you for using Gemini Wireline
785-625-1182

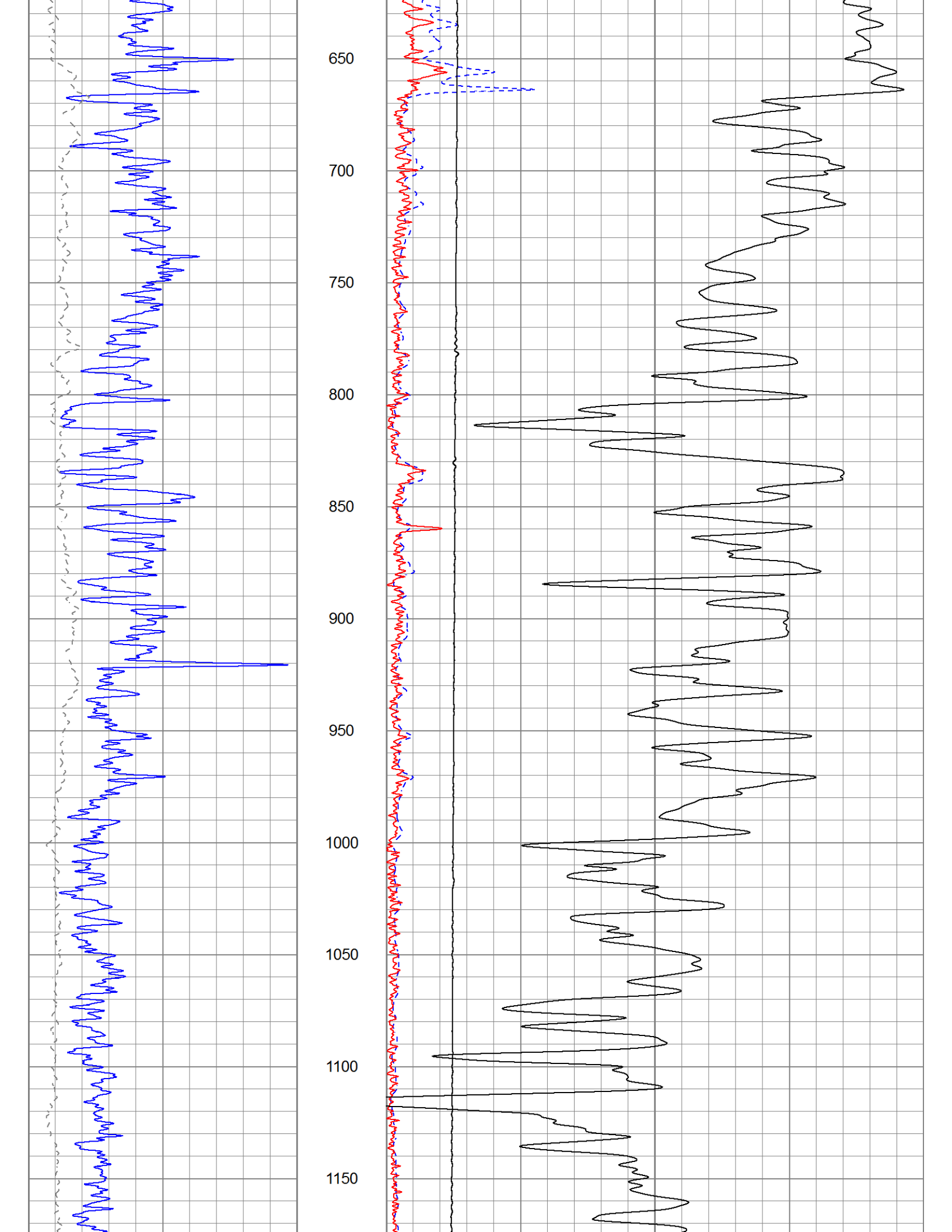
Main Pass

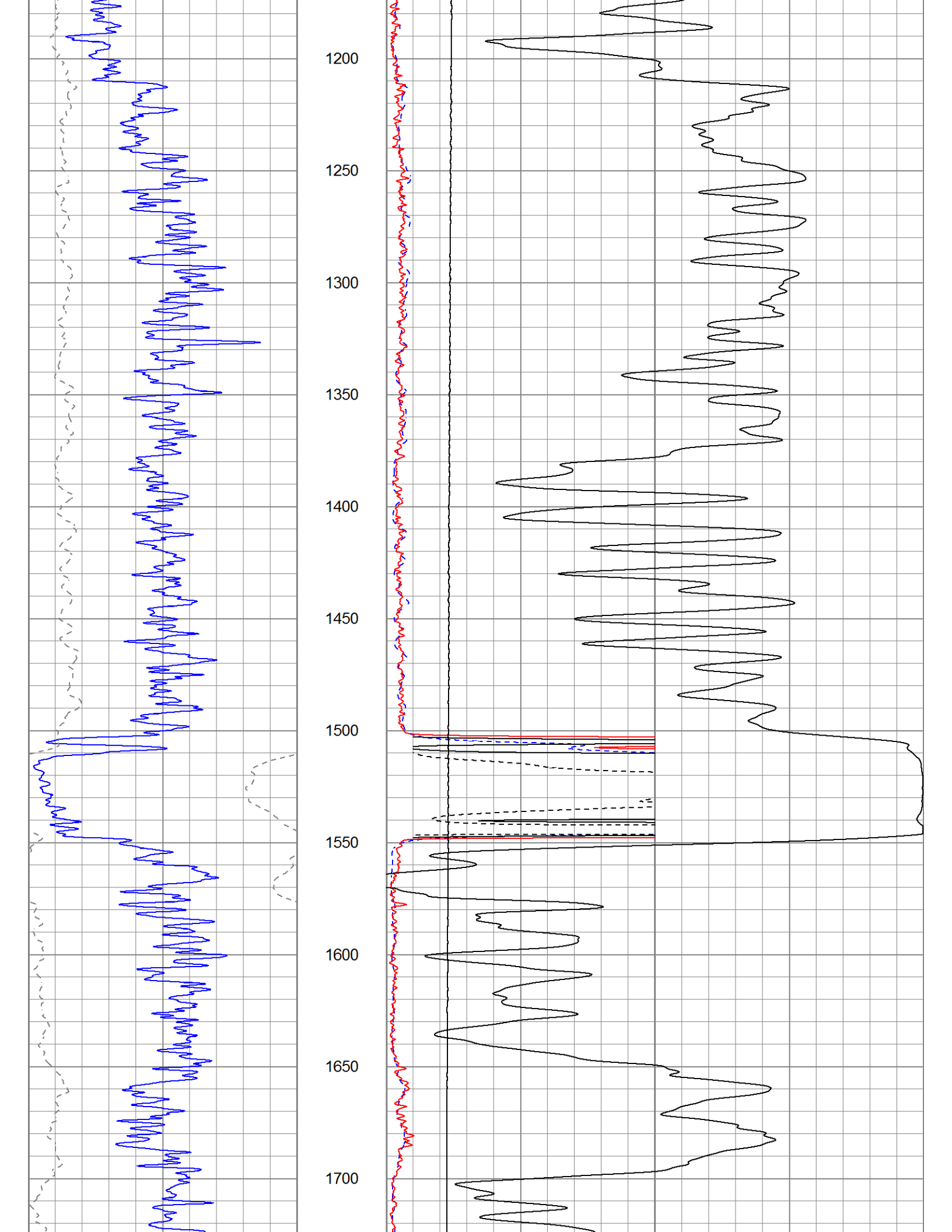
Database File	aodorzweiler#1oh.db
Dataset Pathname	pass2.1
Presentation Format	kdillin2
Dataset Creation	Wed Aug 07 11:22:58 2013
Charted by	Depth in Feet scaled 1:600

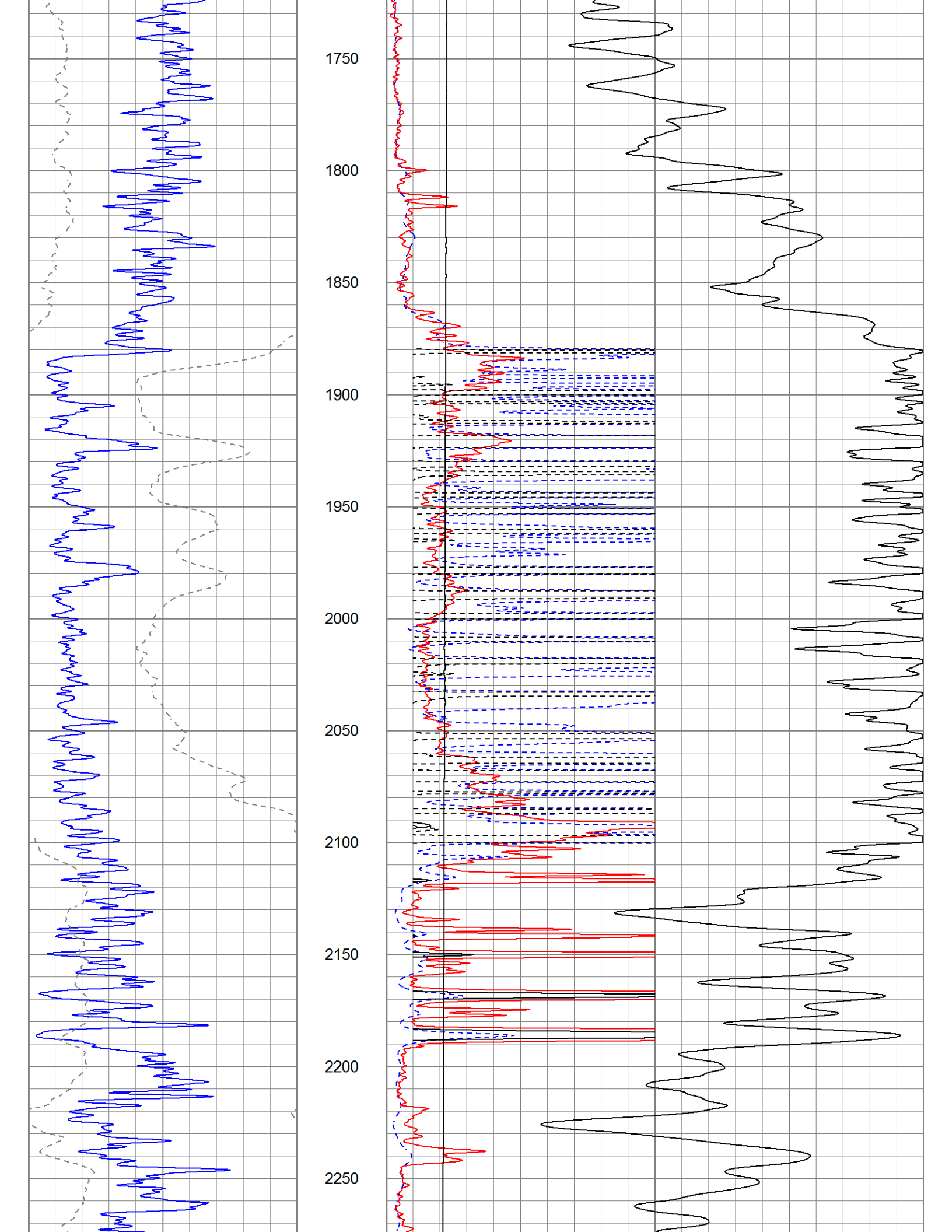
0	GR (GAPI)	150
-200	SP (mV)	0

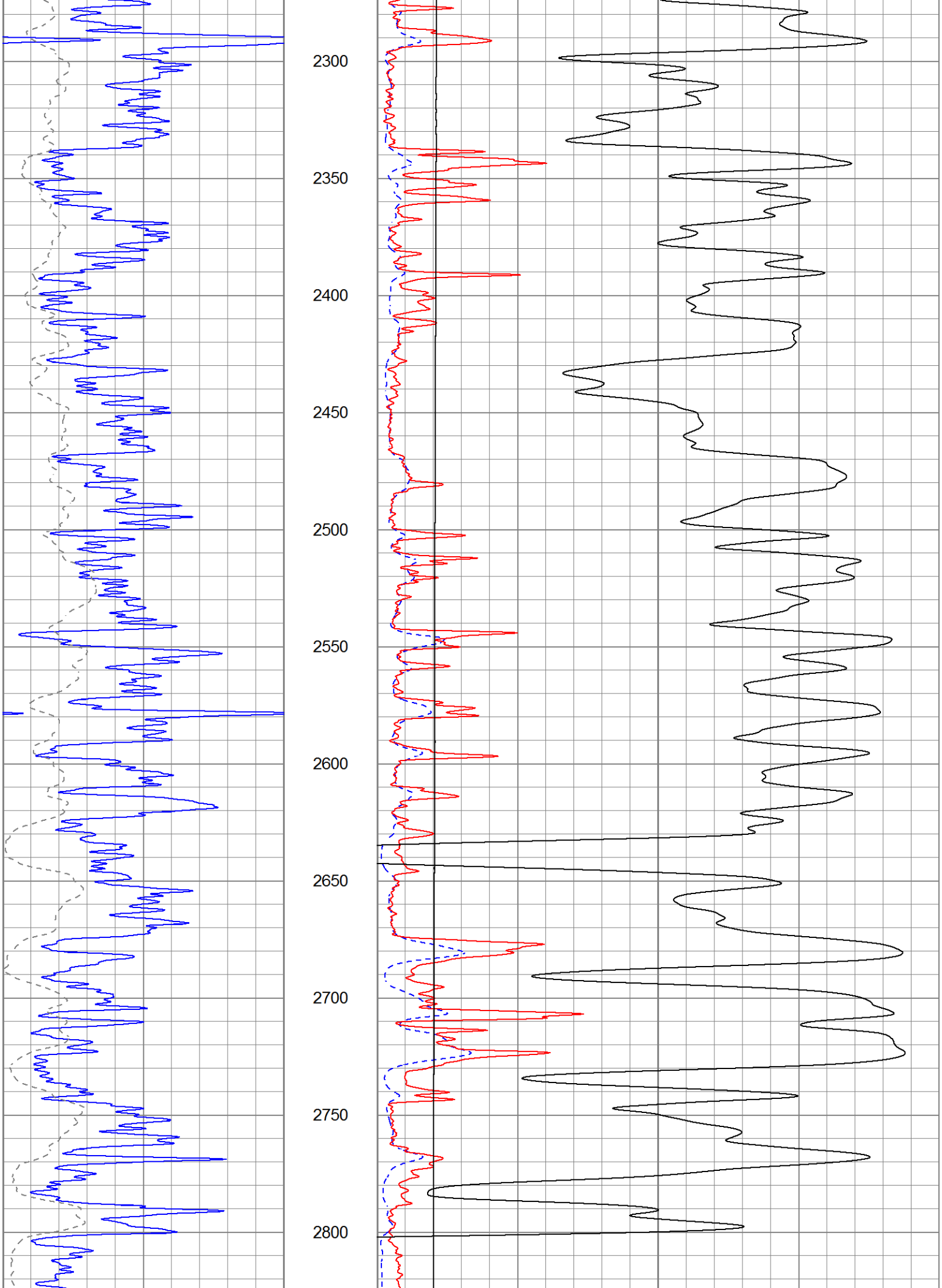
0	RILD (Ohm-m)	50
0	RLL3 (Ohm-m)	50
1000	CILD (mmho/m)	0
10000	LTEN (lb)	0
50	RILD x 10 (Ohm-m)	500
50	RLL3 x 10 (Ohm-m)	500

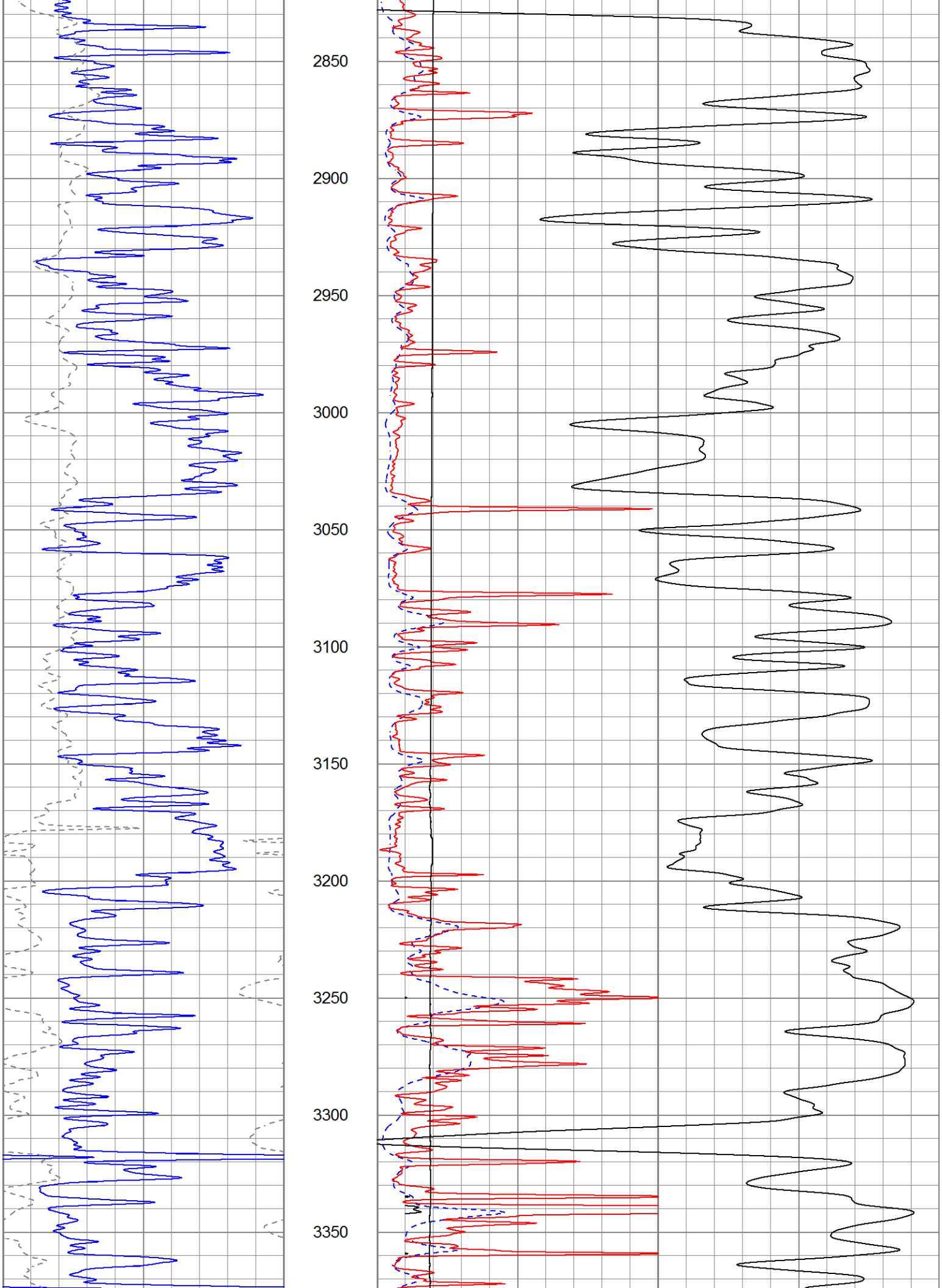


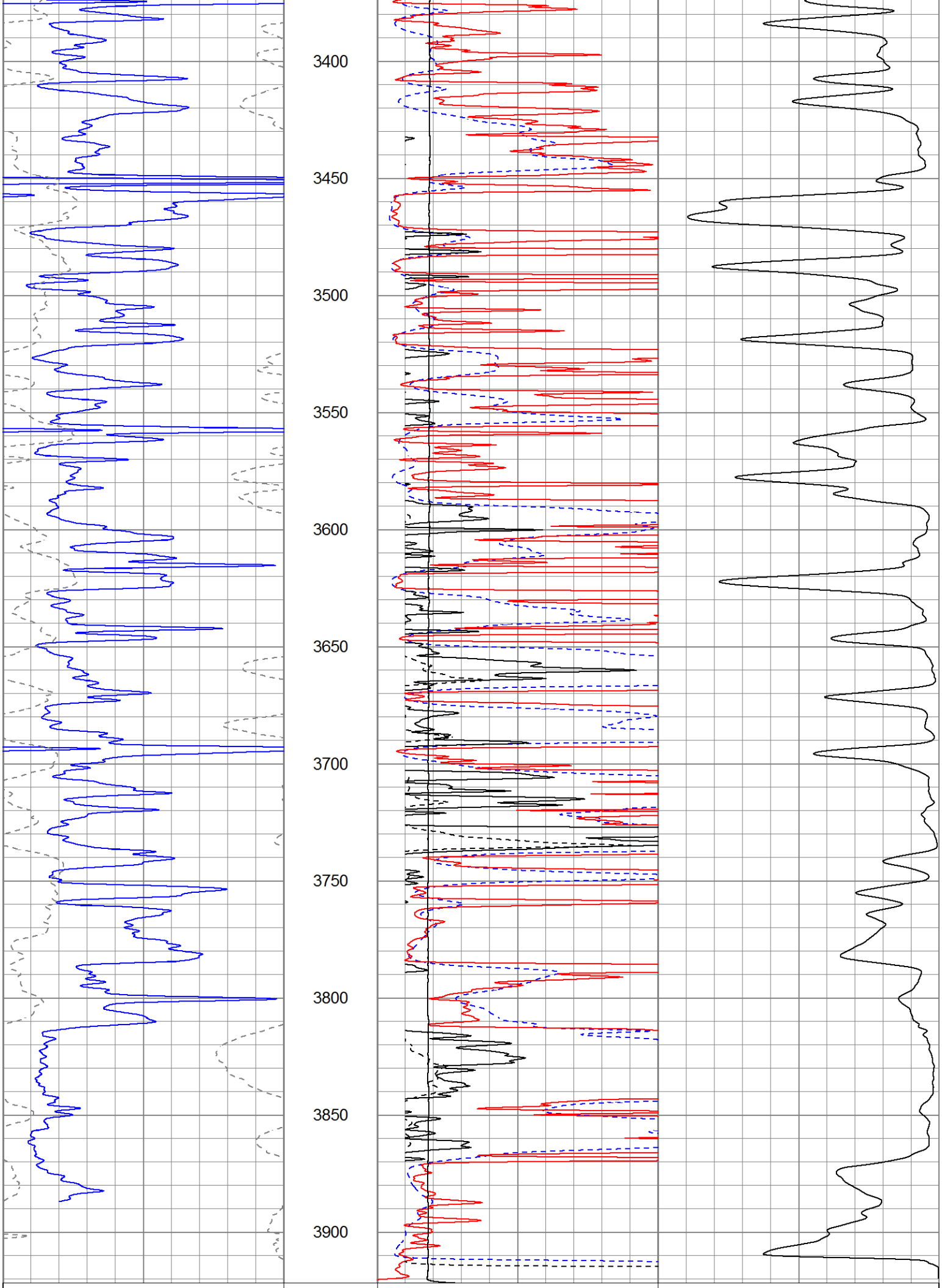

650
700
750
800
850
900
950
1000
1050
1100
1150


1200
1250
1300
1350
1400
1450
1500
1550
1600
1650
1700


1750
1800
1850
1900
1950
2000
2050
2100
2150
2200
2250


2300
2350
2400
2450
2500
2550
2600
2650
2700
2750
2800


2850
2900
2950
3000
3050
3100
3150
3200
3250
3300
3350


3400
3450
3500
3550
3600
3650
3700
3750
3800
3850
3900

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

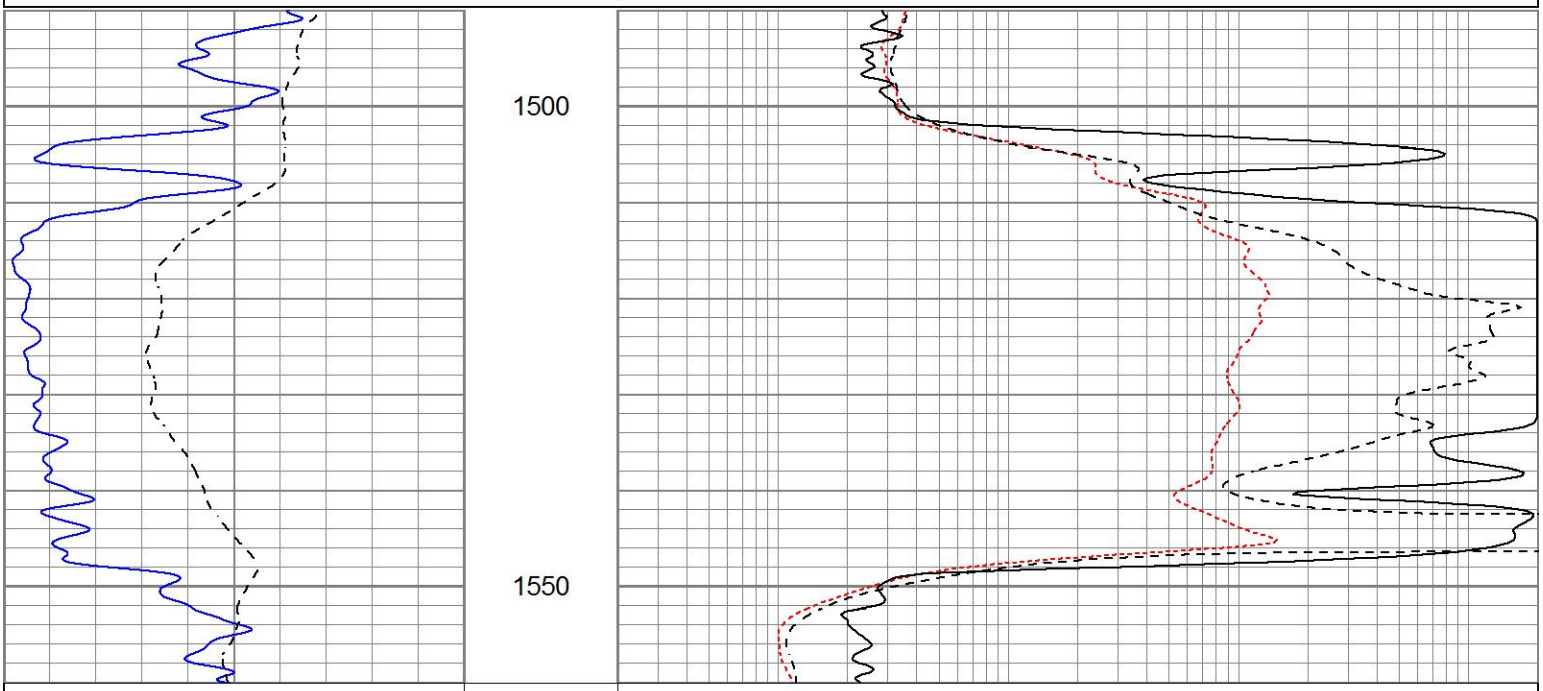
0	RILD (Ohm-m)	50
0	RLL3 (Ohm-m)	50
1000	CILD (mmho/m)	0
10000	LTEN (lb)	0
50	RILD x 10 (Ohm-m)	500
50	RLL3 x 10 (Ohm-m)	500

Main Pass

Database File	aodorzweiler#1oh.db
Dataset Pathname	pass2.1
Presentation Format	kdil
Dataset Creation	Wed Aug 07 11:22:58 2013
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



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

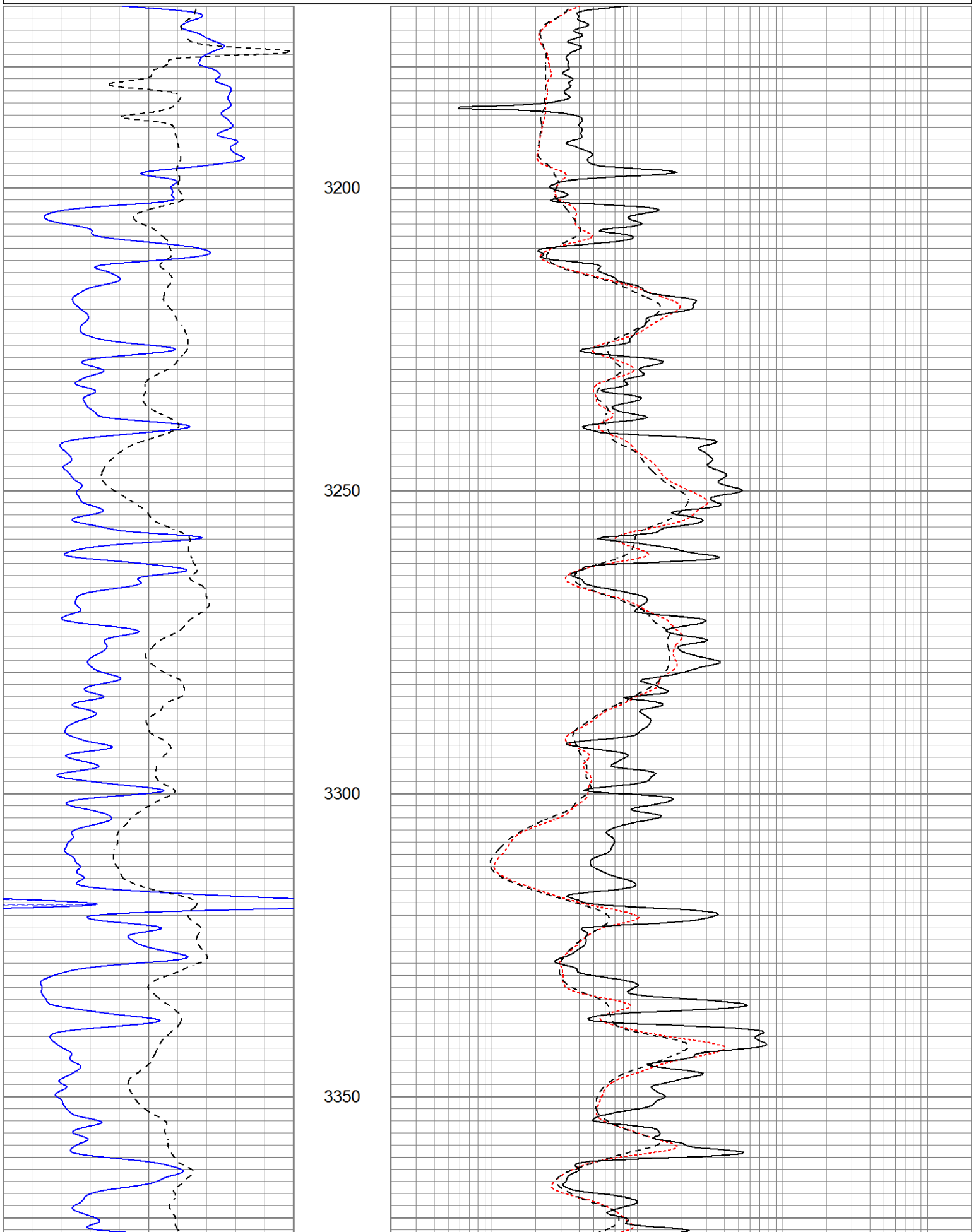
0.2	RILM (Ohm-m)	2000
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000

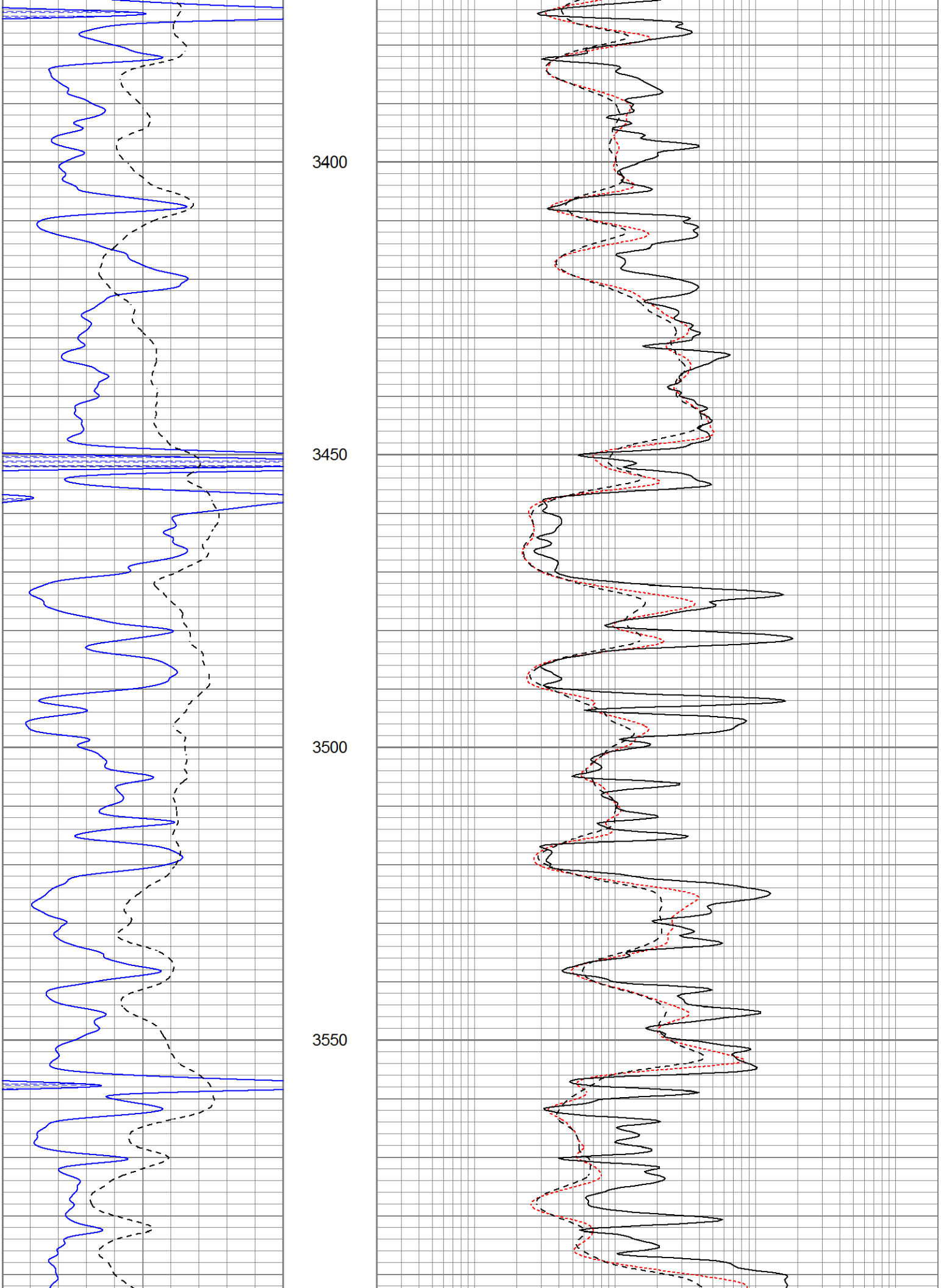
Main Pass

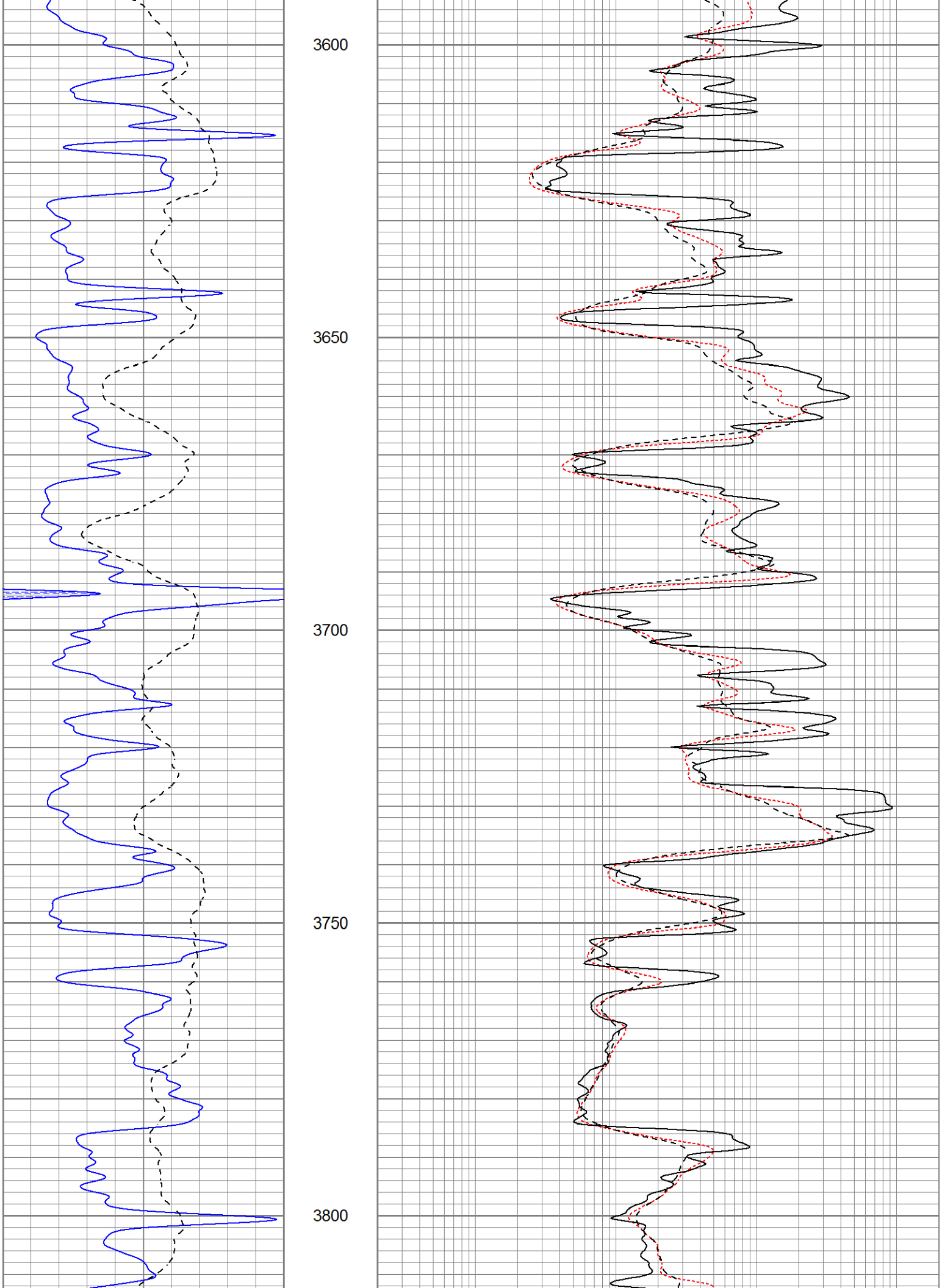
Database File	aodorzweiler#1oh.db
Dataset Pathname	pass2.1
Presentation Format	kdil
Dataset Creation	Wed Aug 07 11:22:58 2013
Charted by	Depth in Feet scaled 1:240

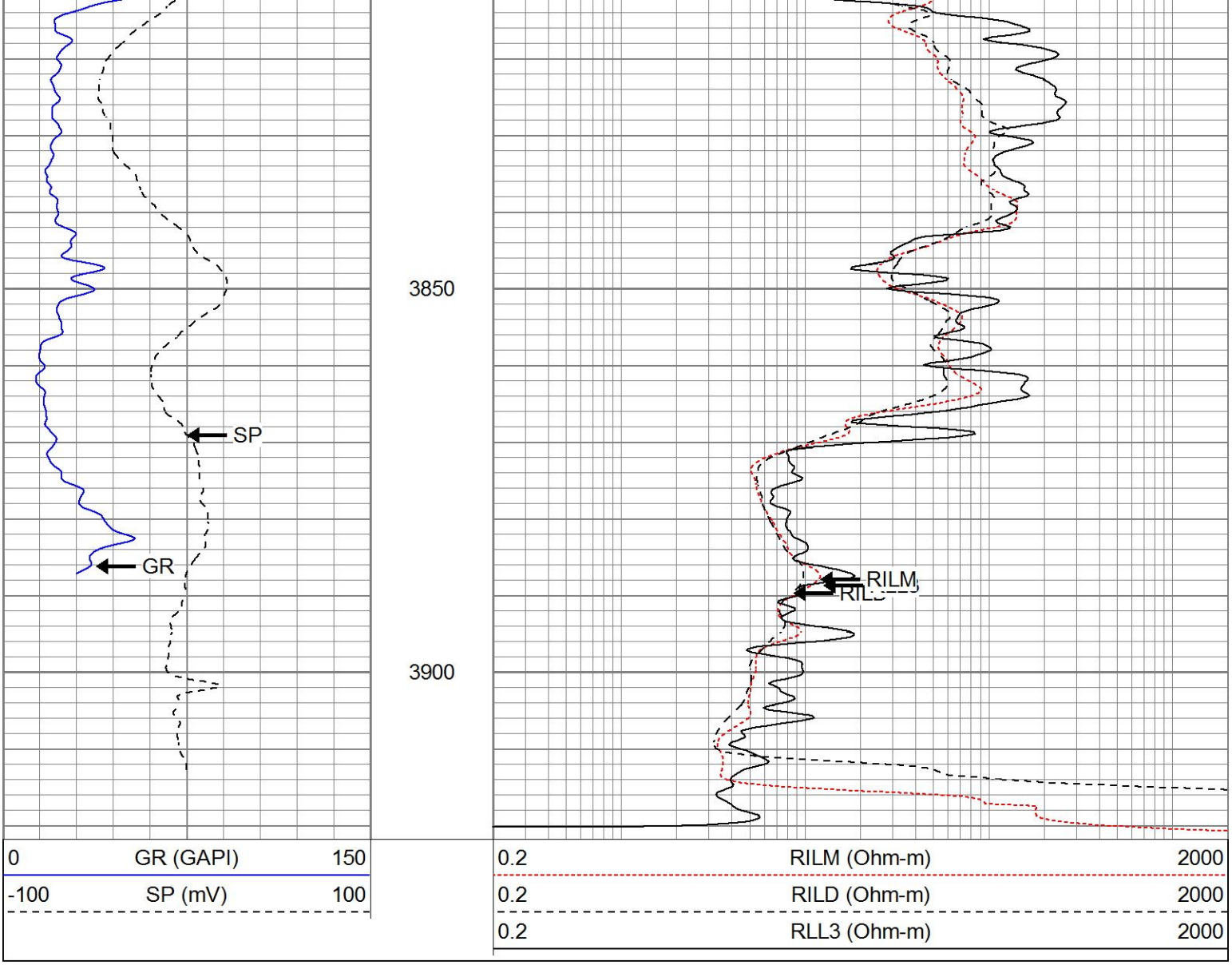
0	GR (GAPI)	150
-100	SP (mV)	100

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



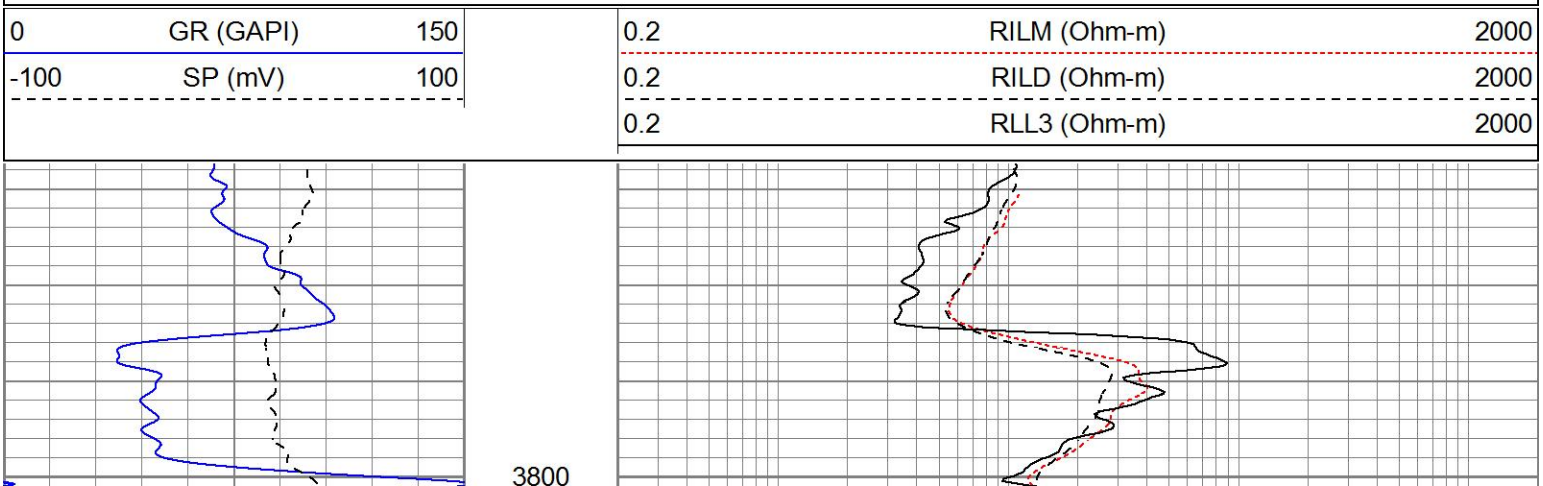

3400
3450
3500
3550

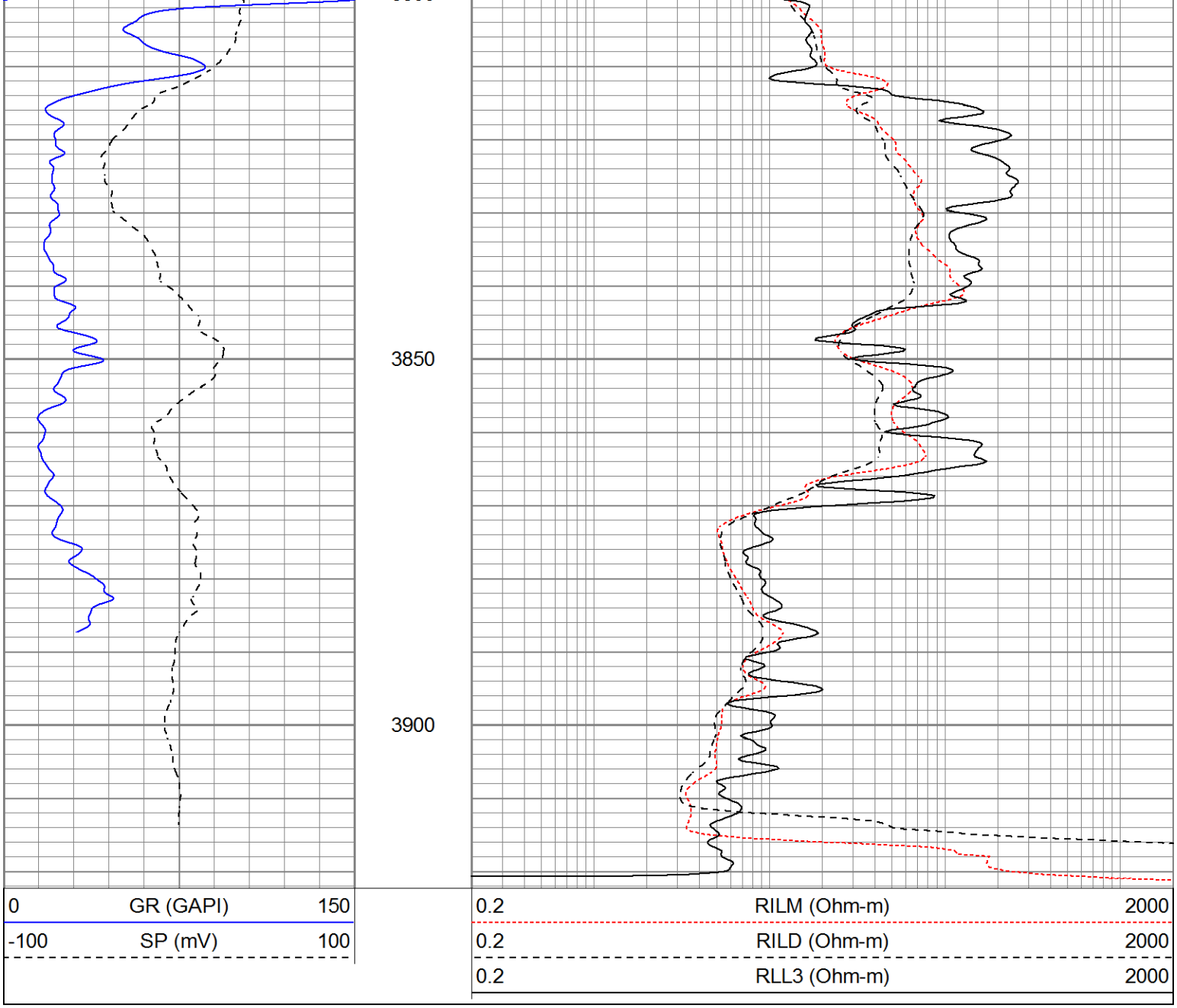

3600
3650
3700
3750
3800



Repeat Pass

Database File	aodorzweiler#1oh.db
Dataset Pathname	pass1
Presentation Format	kdil
Dataset Creation	Wed Aug 07 10:34:26 2013
Charted by	Depth in Feet scaled 1:240





Calibration Report

Database File	aodorzweiler#1oh.db
Dataset Pathname	pass1
Dataset Creation	Wed Aug 07 10:34:26 2013

Dual Induction Calibration Report

Serial-Model:	5375-G
Surface Cal Performed:	Mon Aug 05 06:20:00 2013
Downhole Cal Performed:	Mon Aug 05 06:20:04 2013
After Survey Verification Performed:	Mon Aug 05 06:20:06 2013

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.006	0.644	V	0.000	350.000	mmho/m	547.876	-3.100
Medium	0.009	0.747	V	0.000	400.000	mmho/m	542.113	-5.049
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.006	0.645	V	0.000	350.000	mmho/m	547.432	-3.014

Medium	0.009	0.747	V	0.000	550.000	mmho/m	745.337	-6.710

Downhole Calibration

	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.194	350.211	mmho/m	-0.084	350.201	mmho/m	1.000	0.110
Medium	-0.222	399.960	mmho/m	-0.169	399.868	mmho/m	1.000	0.053
Shallow	2.472	0.016	V	500.000	2.000	Ohm-m	199.760	-1.317

After Survey Verification

	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.194	350.211	mmho/m	1.000	0.110
Medium	0.000	0.000	mmho/m	-0.222	399.960	mmho/m	1.000	0.053
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

Compensated Density Calibration Report

Serial-Model: 2501DHT-DHT
Source / Verifier: csv-j12 /
Master Calibration Performed: Mon Aug 05 06:19:29 2013
Before Survey Verification Performed:
After Survey Verification Performed:

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.750	g/cc	721.95	287.97	cps
Aluminum	2.660	g/cc	136.17	188.42	cps

Spine Angle = 75.73 Density/Spine Ratio = 0.529

	Size		Reading
Small Ring	8.30	in	6273.19
Large Ring	14.00	in	10676.90

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

Gamma Ray Calibration Report

Serial Number: 2001
Tool Model: OH
Performed: Mon Aug 05 06:19:47 2013

Calibrator Value: 1.0 GAPI

Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2300	GAPI/cps

Neutron Calibration Report

Serial Number:	5108	
Tool Model:	PROBE	
Performed:	Tue Jun 11 15:41:41 2013	
Calibrator Value:	1	NAPI
Calibrator Reading:	1	cps
Sensitivity:	1	NAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
			None	0.75	1.50	5.00
NEU	38.26		NEU-PROBE (5108) Probe	4.92	3.63	85.00
GR	32.32		GR-OH (2001) 2001	3.56	3.25	40.00
			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-G (5375) Gearhart	21.47	4.00	345.00
CILD	10.60					
CILM	6.89					
RLL3	1.70					

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