GEMINI WIRELINE

DUAL INDUCTION LOG

Company Jason Oil Co.,LLC
Well Hoffman #2
Field Degenhart East
County Ellis
State Kansas

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Well Hoffman #2
Field Degenhart East
County Ellis State Kansas

Location: API # : 15 051 26939
2380' FNL & 1810' FEL
SW SE SW NE
SEC 23 TWP 15S RGE 17W

Other Services
CDNL
ML

Permanent Datum Ground Level Elevation 1956'
Log Measured From KB 5' AGL
Drilling Measured From KB

Elevation
K.B. 1961'
D.F. 1960'
G.L. 1956'

Date	12-21-18		
Run Number	One		
Depth Driller	3610'		
Depth Logger	3613'		
Bottom Logged Interval	3611'		
Top Log Interval	1070'		
Casing Driller	8 5/8" @ 1088'		
Casing Logger	1088'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	8.9/56		
pH / Fluid Loss	10.0/8.0		
Source of Sample	Pit		
Rm @ Meas. Temp	0.8@62degf		
Rmf @ Meas. Temp	0.60@62degf		
Rmc @ Meas. Temp	0.96@62degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	0.51@98degf		
Time Circulation Stopped	11:30 p.m.		
Time Logger on Bottom	1:50 a.m		
Maximum Recorded Temperature	98degf		
Equipment Number	T127		
Location	Hays, KS		
Recorded By	Casey Patterson		
Witnessed By	Mr. Jeff Lawler		

Chlorides 8500 PPM

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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

South out of Hays,KS on 183 Hwy 10 mi to Chetolah Gold Rd.,
Then East 8 mi on Chetolah Gold Rd. to 330 th Ave.,
Then South .2 mi. on 330th Ave, West into Location

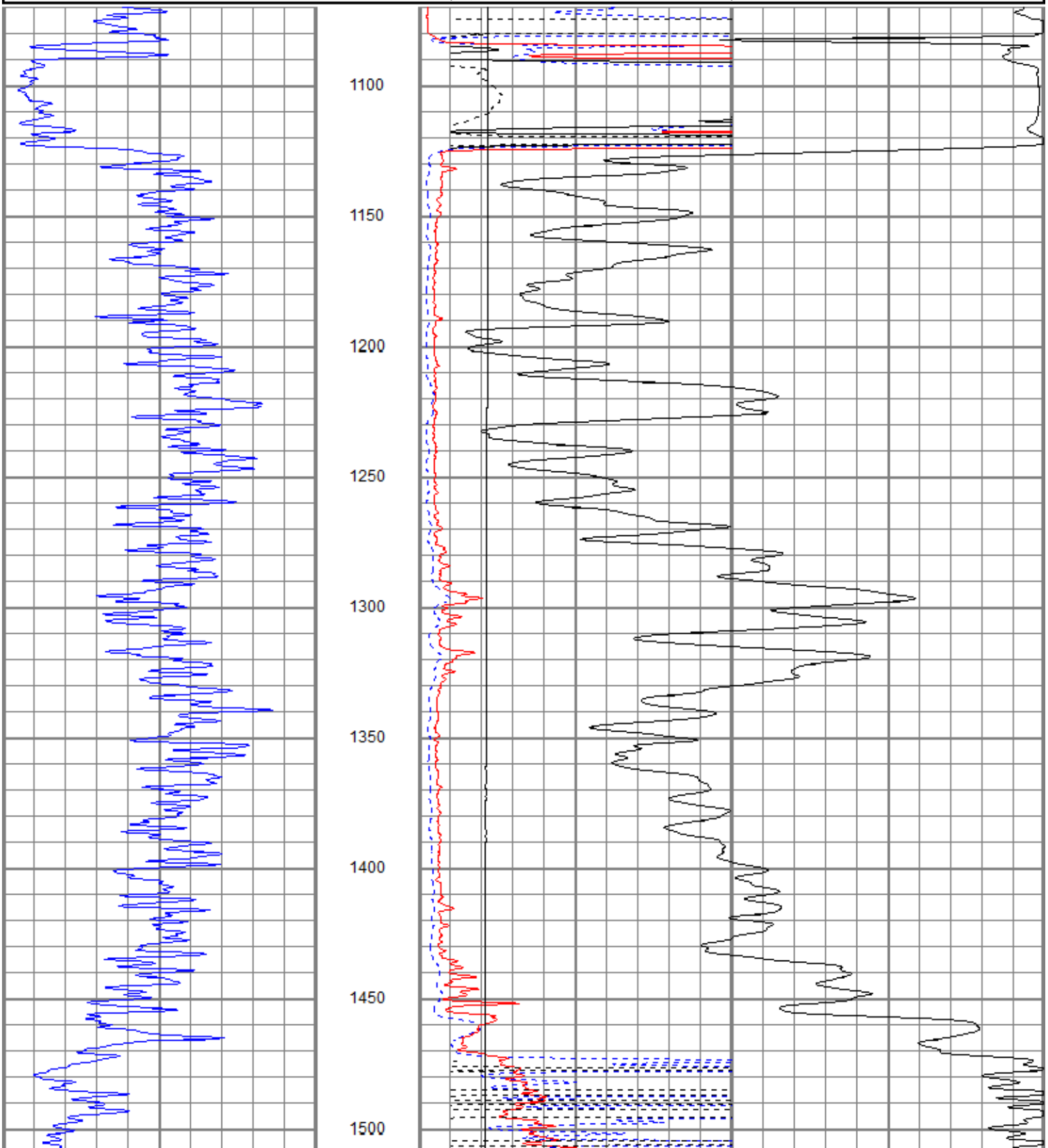
Thanks for using Gemini Wireline LLC
785-625-1182

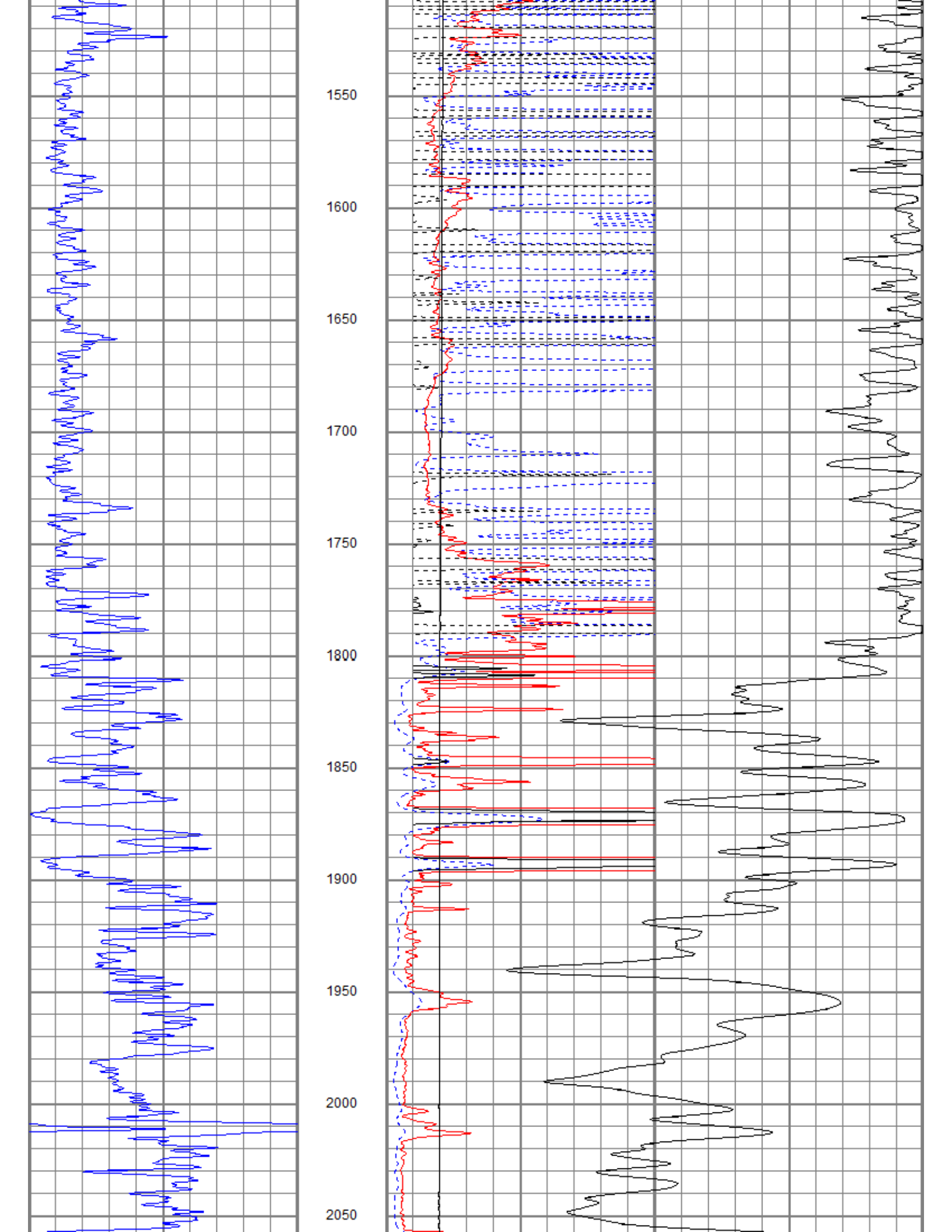
GEMINI WIRELINE

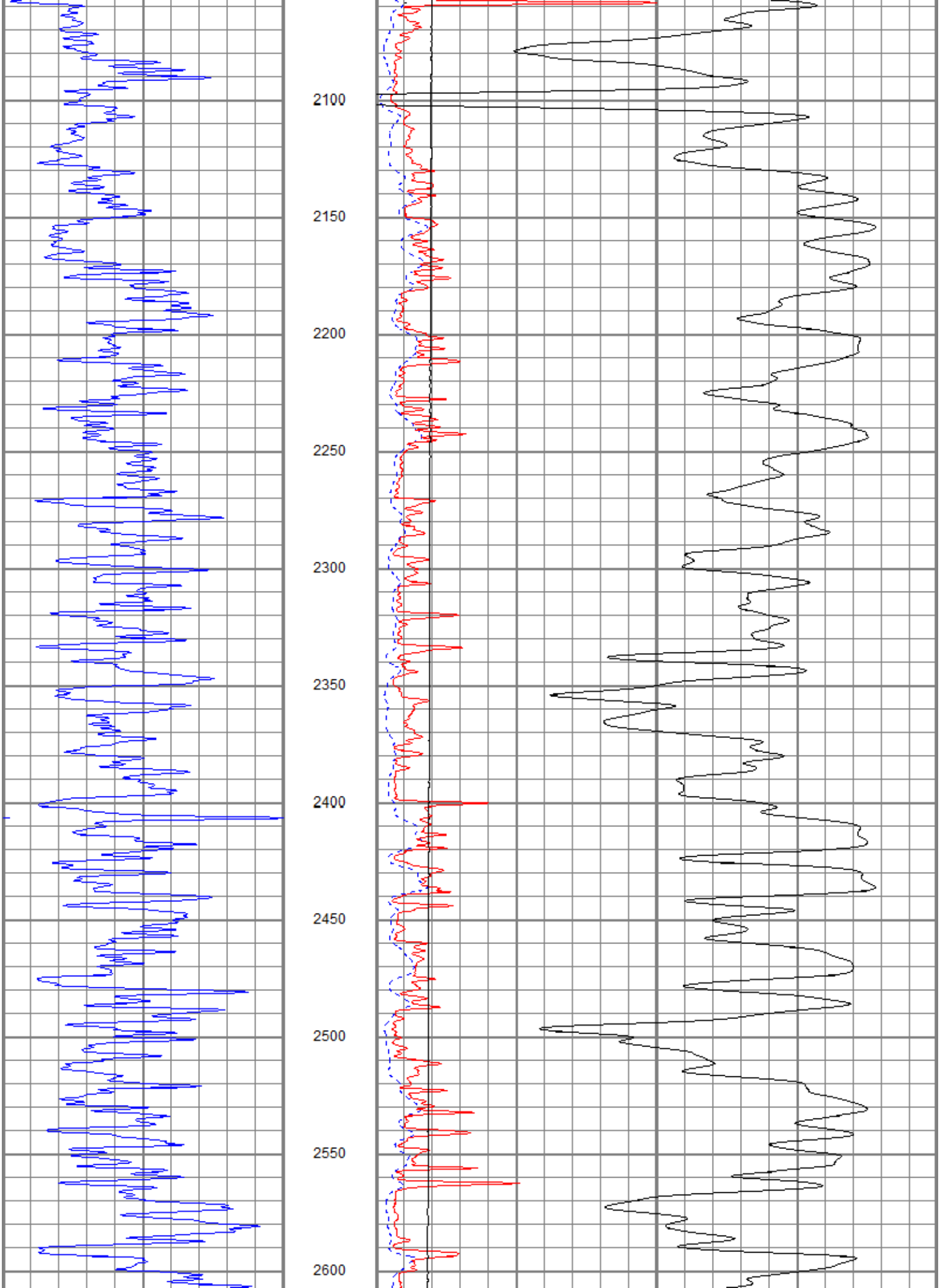
MAIN PASS

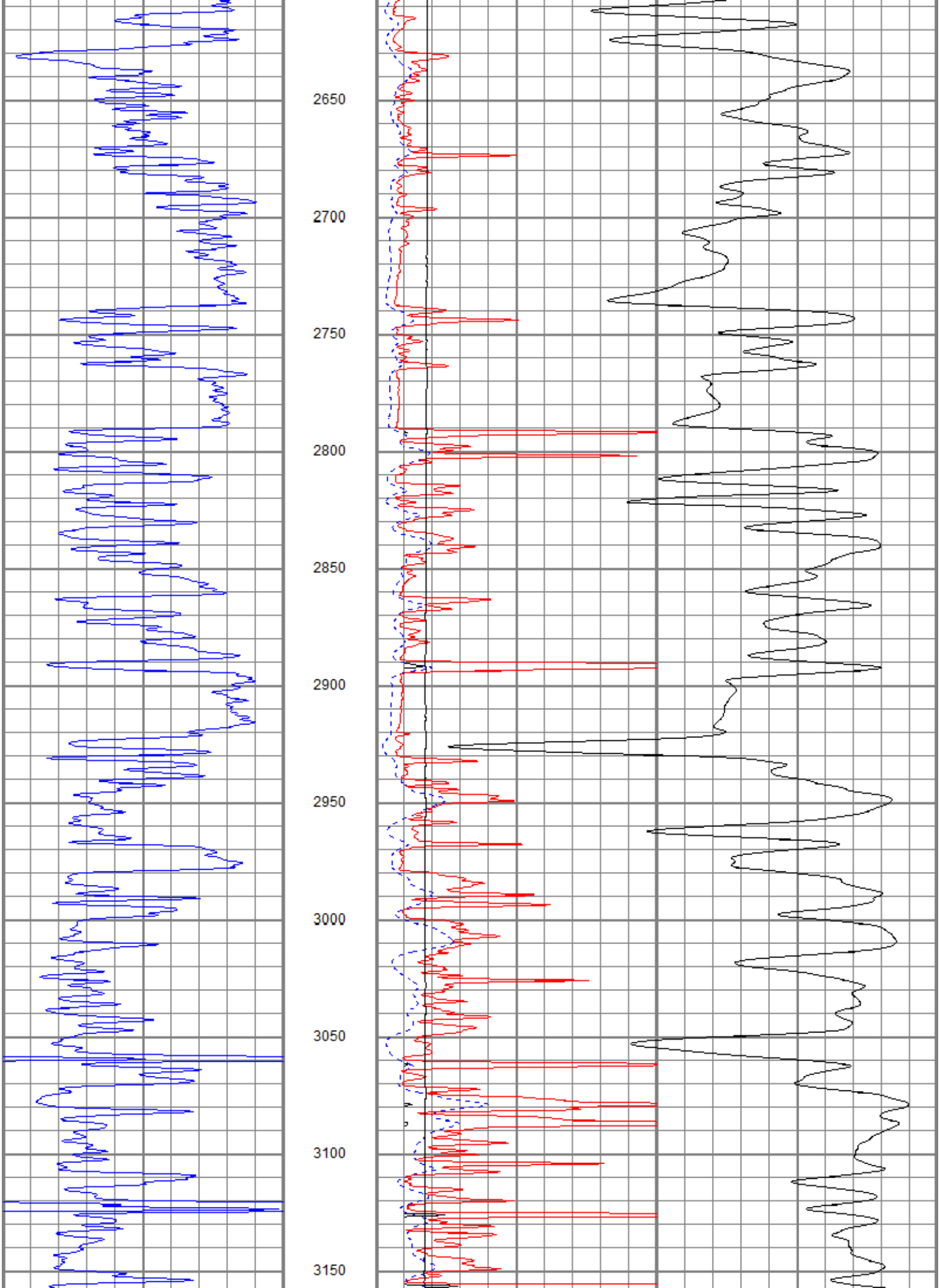
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Dataset Pathname	pass2.1
Presentation Format	kdillinn
Dataset Creation	Fri Dec 21 03:29:03 2018
Charted by	Depth in Feet scaled 1:600

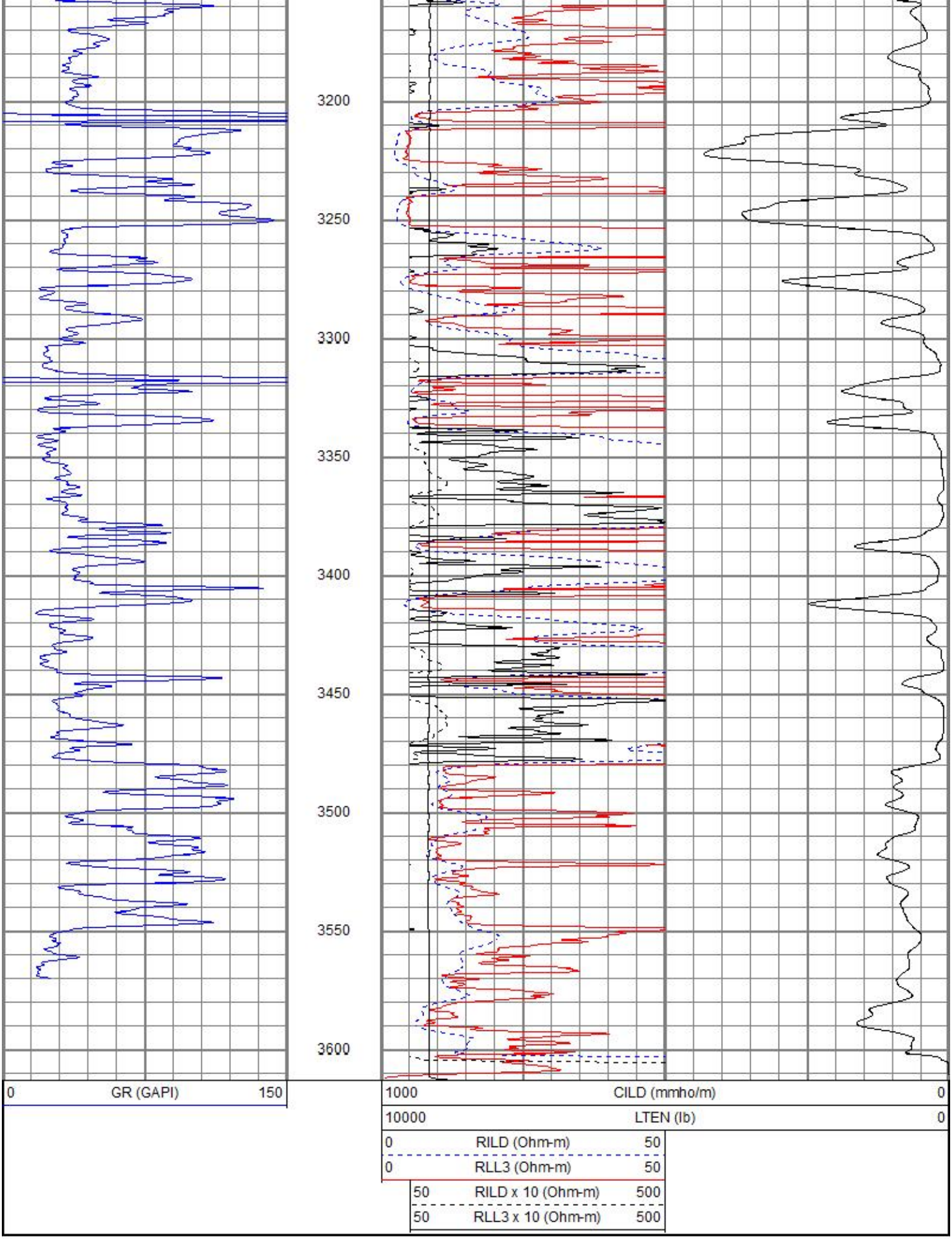
0	GR (GAPI)	150
1000	CILD (mmho/m)	0
10000	LTEN (lb)	0
0	RILD (Ohm-m)	50
0	RLL3 (Ohm-m)	50
50	RILD x 10 (Ohm-m)	500
50	RLL3 x 10 (Ohm-m)	500




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

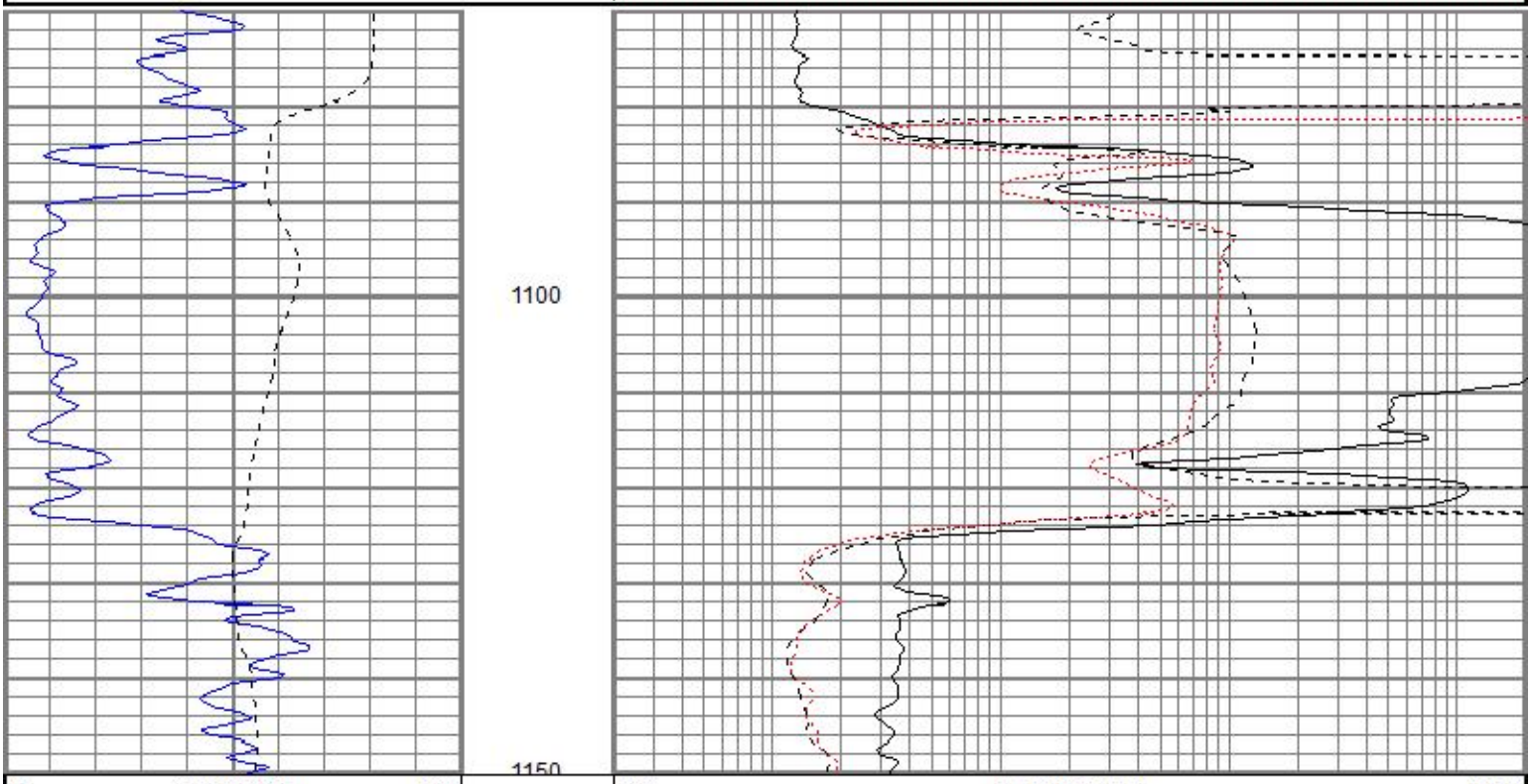

3200
3250
3300
3350
3400
3450
3500
3550
3600
0
GR (GAPI)
150
1000
CILD (mmho/m)
0
10000
LTEN (lb)
0
0
RILD (Ohm-m)
50
0
RLL3 (Ohm-m)
50
50
RILD x 10 (Ohm-m)
500
50
RLL3 x 10 (Ohm-m)
500

MAIN PASS

Database File	johoffman#2oh.db
Dataset Pathname	pass2.1
Presentation Format	kdil
Dataset Creation	Fri Dec 21 03:29:03 2018
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

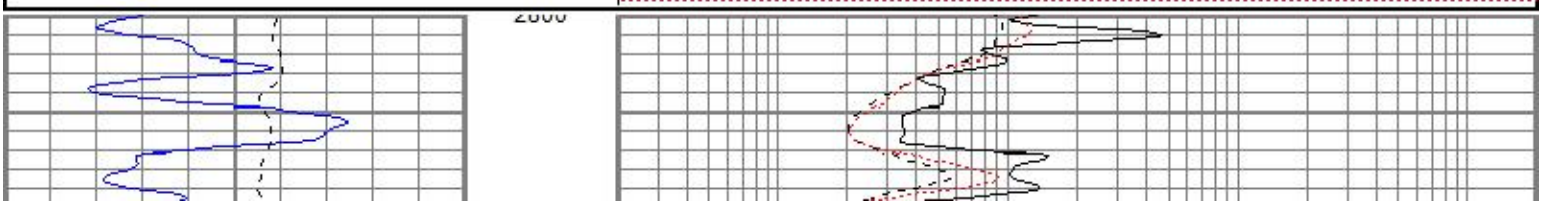
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

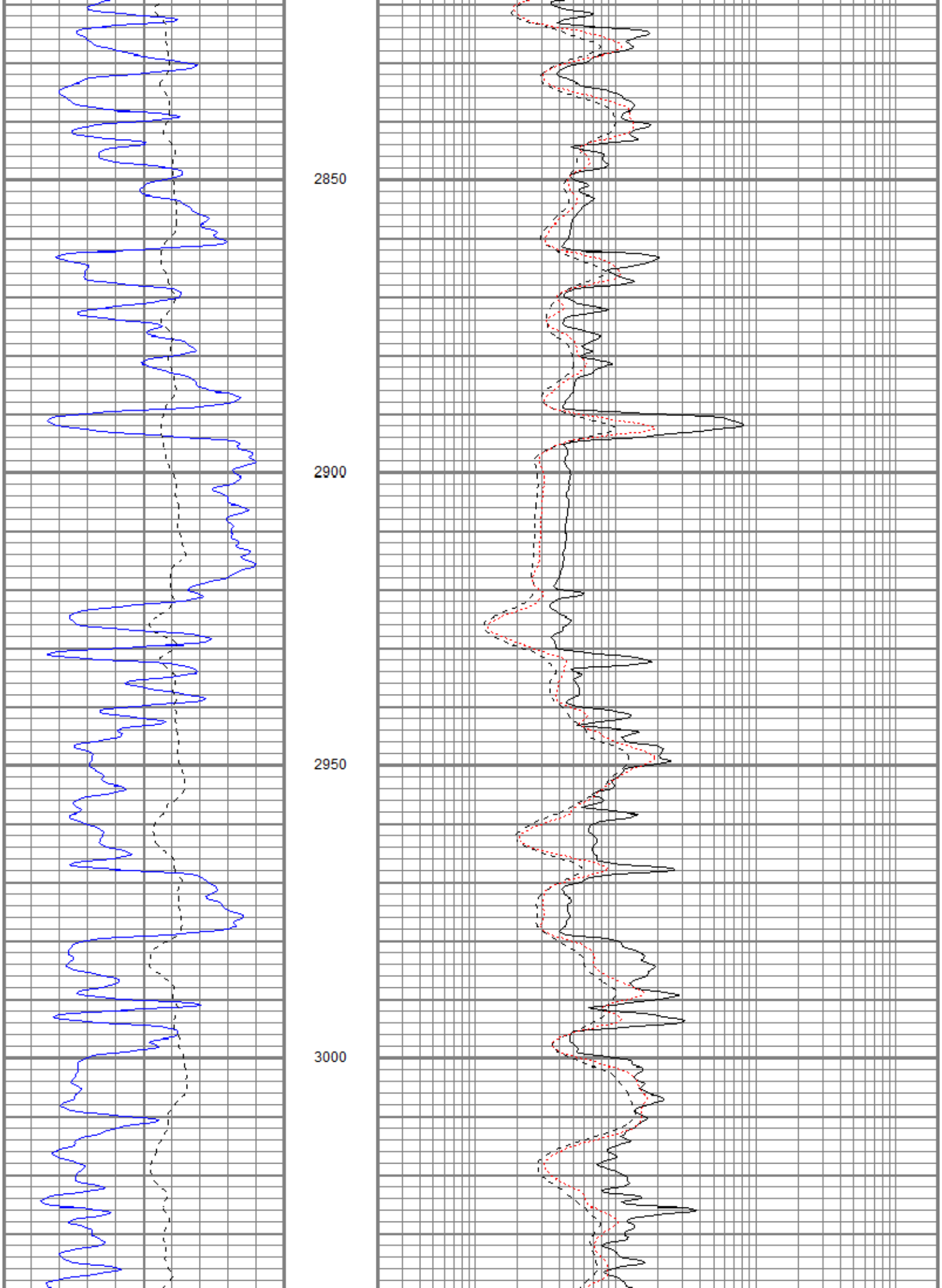
MAIN PASS

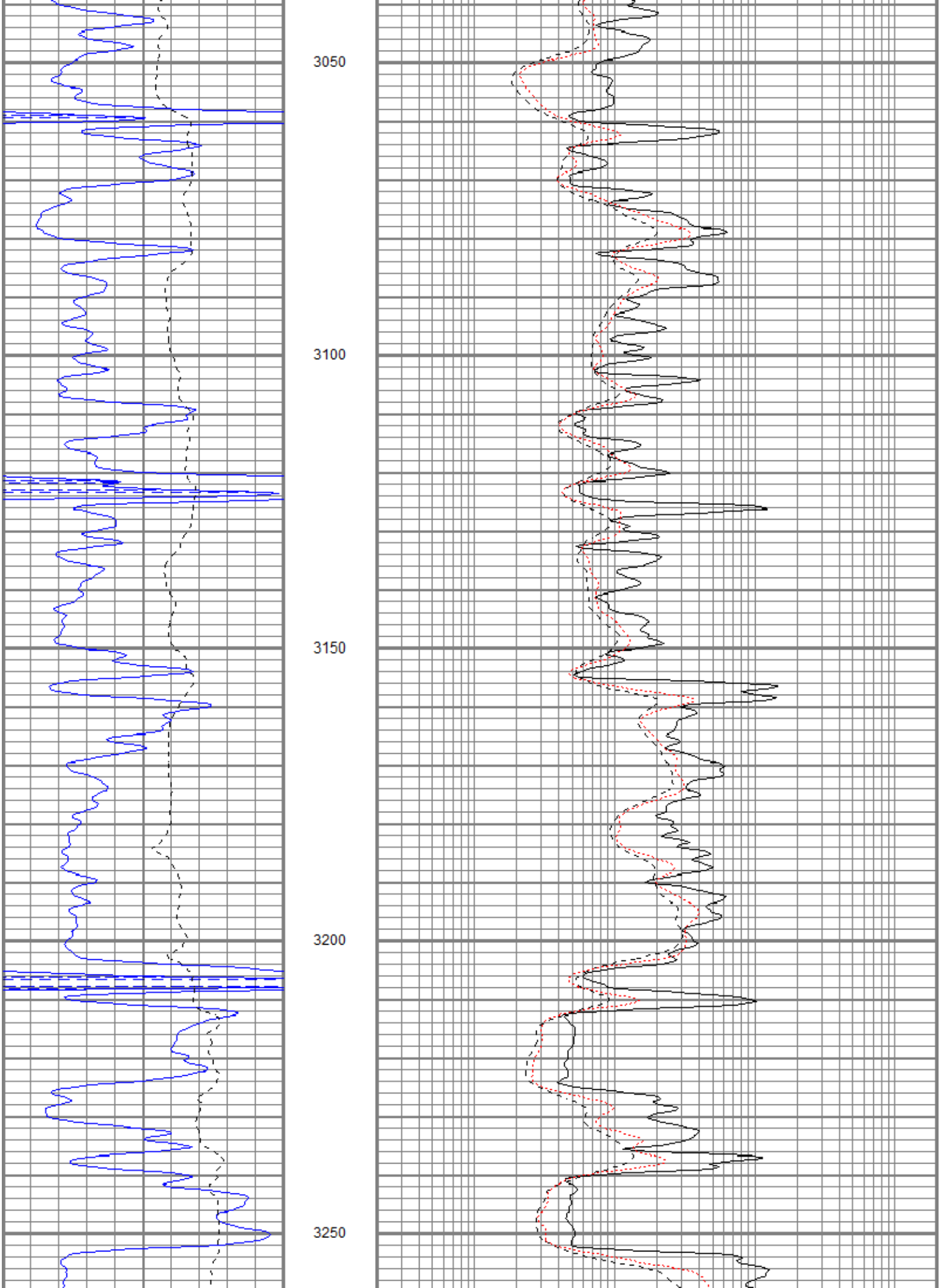
Database File	johoffman#2oh.db
Dataset Pathname	pass2.1
Presentation Format	kdil
Dataset Creation	Fri Dec 21 03:29:03 2018
Charted by	Depth in Feet scaled 1:240

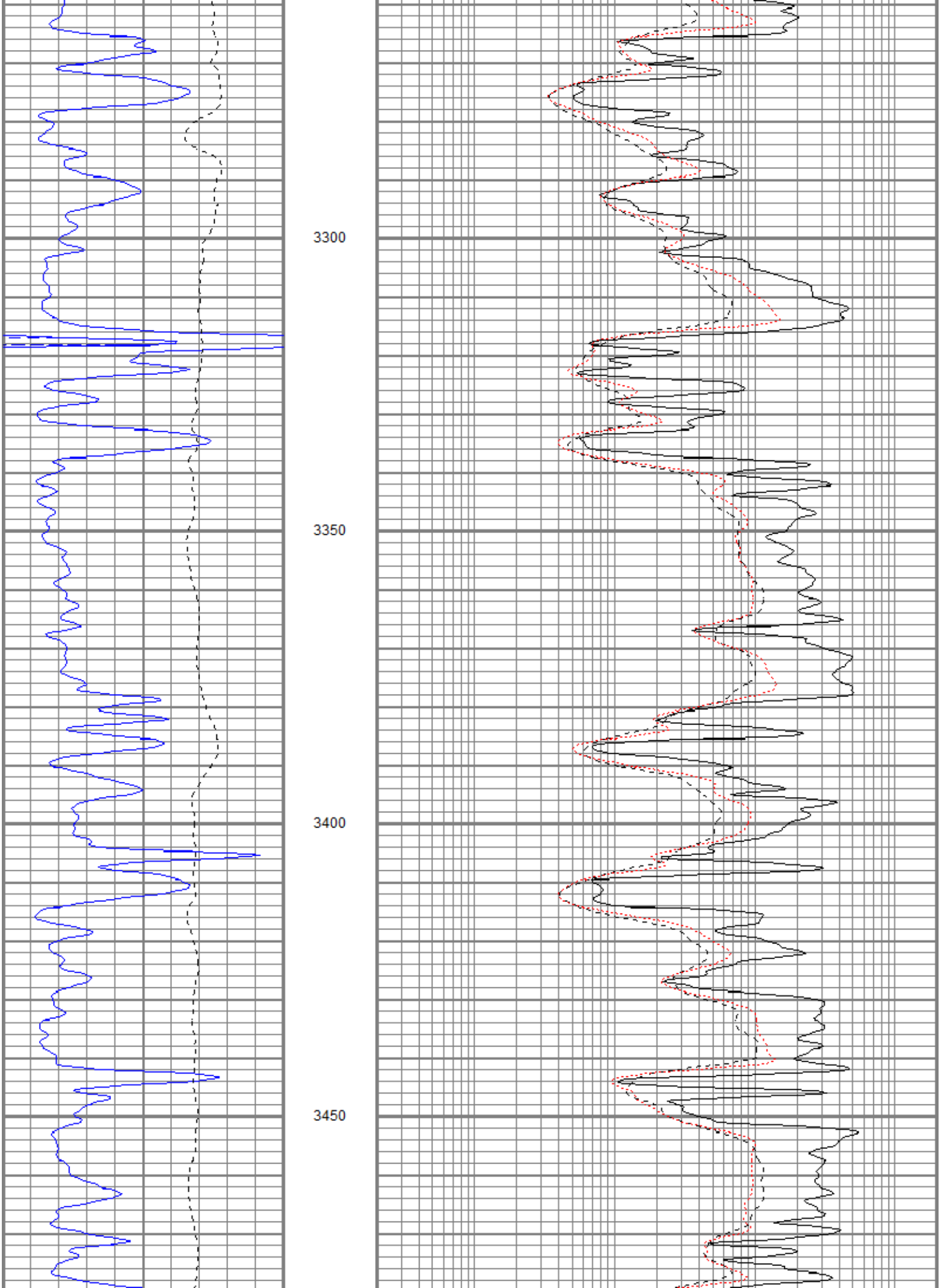
0	GR (GAPI)	150
-100	SP (mV)	100

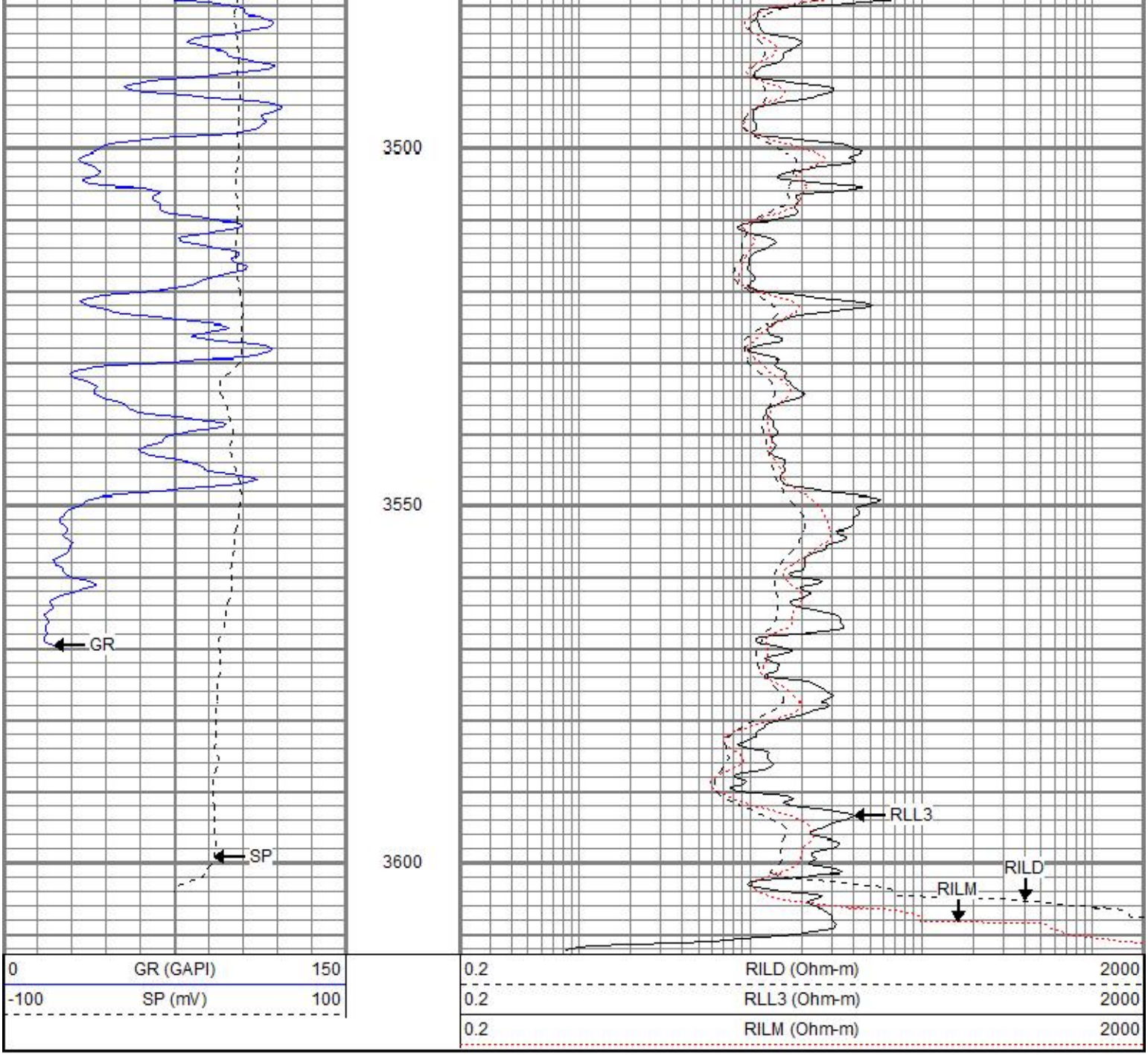
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000




2850
2900
2950
3000

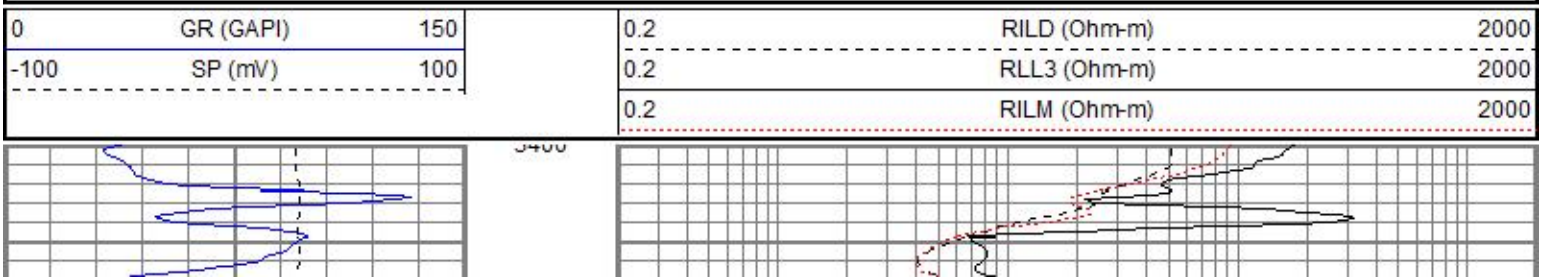

3050
3100
3150
3200
3250

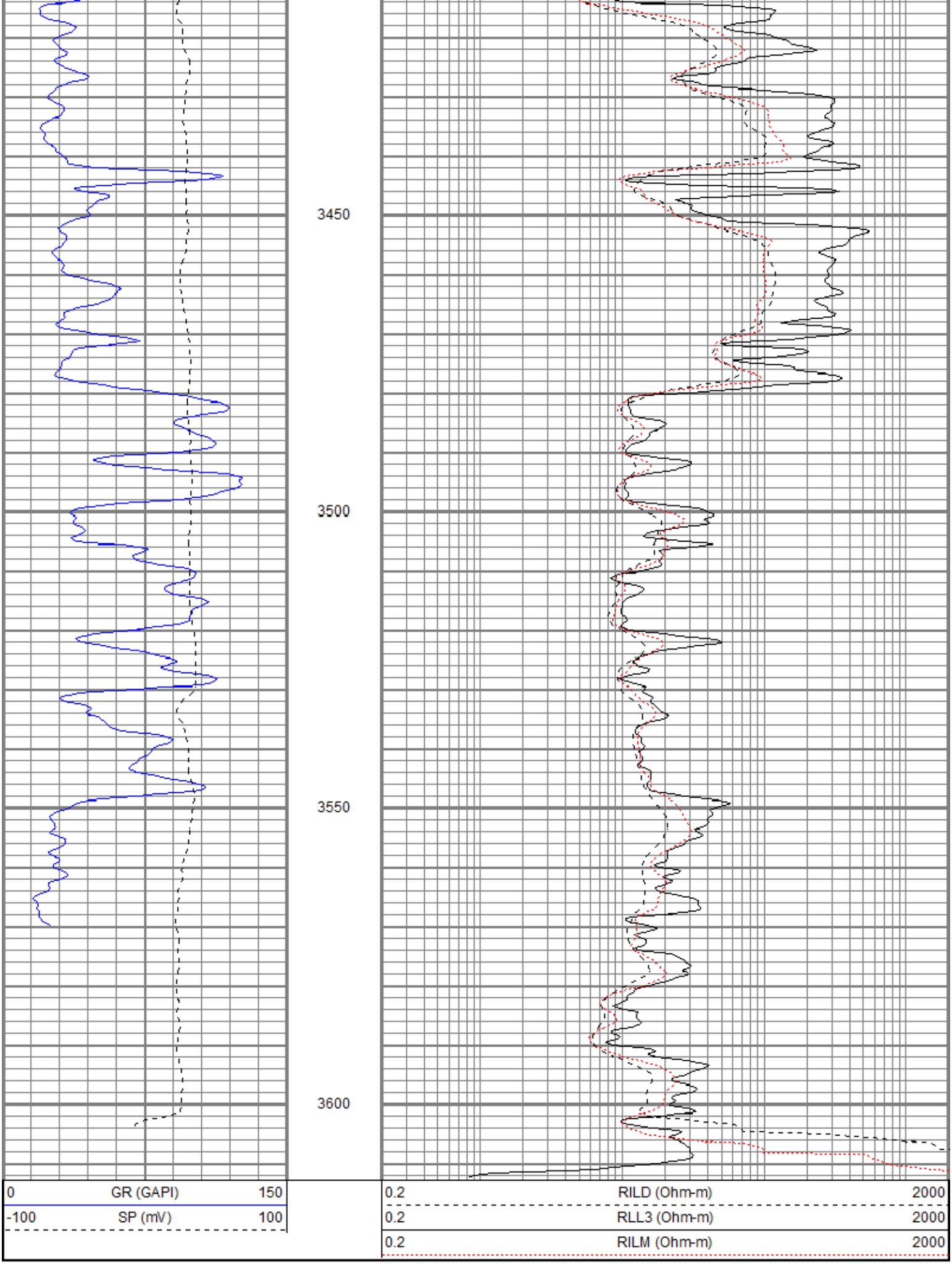

3300
3350
3400
3450



REPEAT SECTION

Database File	johoffman#2oh.db
Dataset Pathname	pass1.1
Presentation Format	kdil
Dataset Creation	Fri Dec 21 02:38:43 2018
Charted by	Depth in Feet scaled 1:240




3450
3500
3550
3600
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 johoffman#2oh.db
Dataset Pathname pass2.1
Dataset Creation Fri Dec 21 03:29:03 2018

Dual Induction Calibration Report

Serial-Model:	5375-G
Surface Cal Performed:	Sat Oct 10 08:33:18 2015
Downhole Cal Performed:	Wed Dec 05 05:00:18 2018
After Survey Verification Performed:	Sat Oct 10 08:33:27 2015

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.007	0.642	V	0.000	350.000	mmho/m	551.294	-3.816
Medium	0.010	0.728	V	0.000	400.000	mmho/m	556.531	-5.391
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.007	0.642	V	0.000	350.000	mmho/m	550.717	-3.768
Medium	0.010	0.729	V	0.000	550.000	mmho/m	764.510	-7.354

Downhole Calibration

	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.145	350.239	mmho/m	-0.044	350.323	mmho/m	1.001	-0.189
Medium	0.435	400.472	mmho/m	-0.037	400.340	mmho/m	1.001	-0.473
Shallow	2.440	0.018	V	500.000	2.000	Ohm-m	205.554	0.825

After Survey Verification

	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.145	350.239	mmho/m	1.001	-0.189
Medium	0.000	0.000	mmho/m	0.435	400.472	mmho/m	1.001	-0.473
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

Neutron Calibration Report

Serial Number:	AD5139	
Tool Model:	ADMY5139	
Performed:	(Not Performed)	
Calibrator Value:	1	NAPI
Calibrator Reading:	1	cps
Sensitivity:	1	NAPI/cps

Temperature Calibration Report

Serial Number:	WithMC			
Tool Model:	WMC			
Performed:	Wed Dec 05 04:54:01 2018			
	Reference		Reading	
Low Reference:	0.00	degF	0.00	degF
High Reference:	1.00	degF	1.00	degF
Gain:	1.00			
Offset:	0.00			
Delta Spacing	1			

Inclinometer Calibration Report

Performed: Wed Dec 05 04:53:48 2018

	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

Gamma Ray Calibration Report

Serial Number:	WithMC	
Tool Model:	WMC	
Performed:	Wed Dec 05 04:58:30 2018	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-STD	0.50	1.69	1.00
GR	40.47					
ACCY	39.30		ADT-WMC (WithMC) Admyr Telemetry With Mudcell	4.58	3.50	120.00
ACCX	39.30					
SSTAT	38.89					
PSTAT	38.05					
ASTAT	38.05		NEU-ADMY5139 (AD5139) Admyer NEU DIGITAL	5.65	3.50	50.00
GRD	37.22					
TEMP	37.22					
NEU	33.15					
			CDL-GEARHART (2501)	9.69	4.00	240.00
LSD	23.78					
DCAL	23.49					
SSD	23.24					
SP	10.60		DIL-G (5375) Gearhart	21.47	4.00	345.00
CILD	10.60					
CILM	6.89					

RLL3	1.70					

Dataset:	johoffman#2oh.db: field/well/run1/pass2.1
Total length:	41.89 ft
Total weight:	756.00 lb
O.D.:	4.00 in