DUAL INDUCTION LOG

Company CASTLE RESOURCES, INC.
Well ARMBRISTER "A" #1
Field MARCOTTE
County ROOKS State KANSAS

Location: API # : 15-163-24454-0000
1850' FNL & 2310' FWL
S/2 - NE - SE - NW

SEC 35 TWP 10S RGE 20W

Other Services
CDL/CNL
MEL

Elevation
K.B. 2169
D.F. 2167
G.L. 2164

Permanent Datum GROUND LEVEL Elevation 2164
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

Date	7/24/22		
Run Number	TWO		
Depth Driller	3840		
Depth Logger	3840		
Bottom Logged Interval	3838		
Top Log Interval	00		
Casing Driller	8 5/8"@210'		
Casing Logger	210		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5,000 PPM	
Density / Viscosity	9.1/41		
pH / Fluid Loss	9.5/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.20@80F		
Rmf @ Meas. Temp	.900@80F		
Rmc @ Meas. Temp	1.44@80F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.793@121F		
Time Circulation Stopped	3.5 HOURS		
Time Logger on Bottom	3:00 P.M.		
Maximum Recorded Temperature	121F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	SEAN DEENIHAN		

Company CASTLE RESOURCES, INC.
Well ARMBRISTER "A" #1
Field MARCOTTE
County ROOKS
State KANSAS

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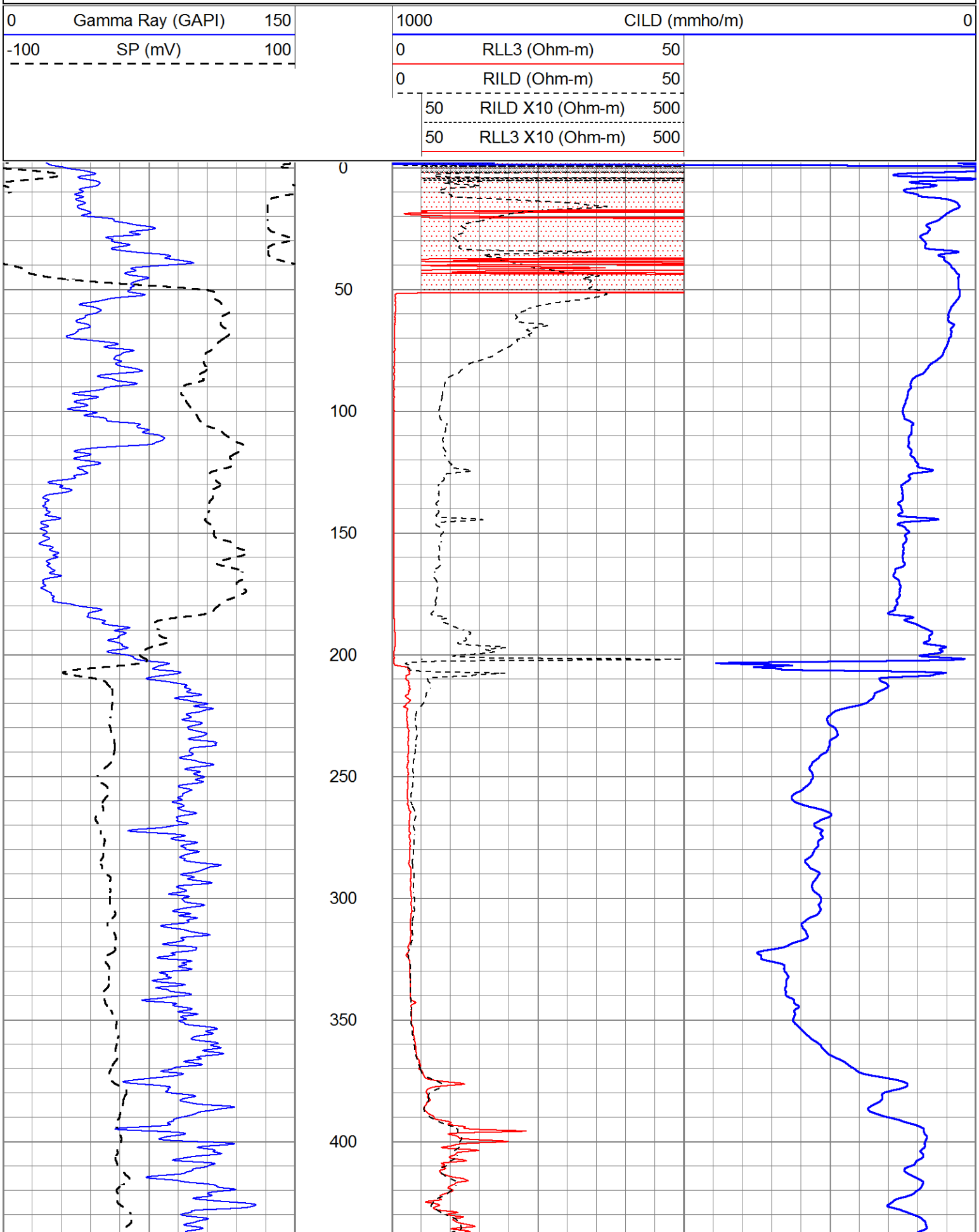
Comments

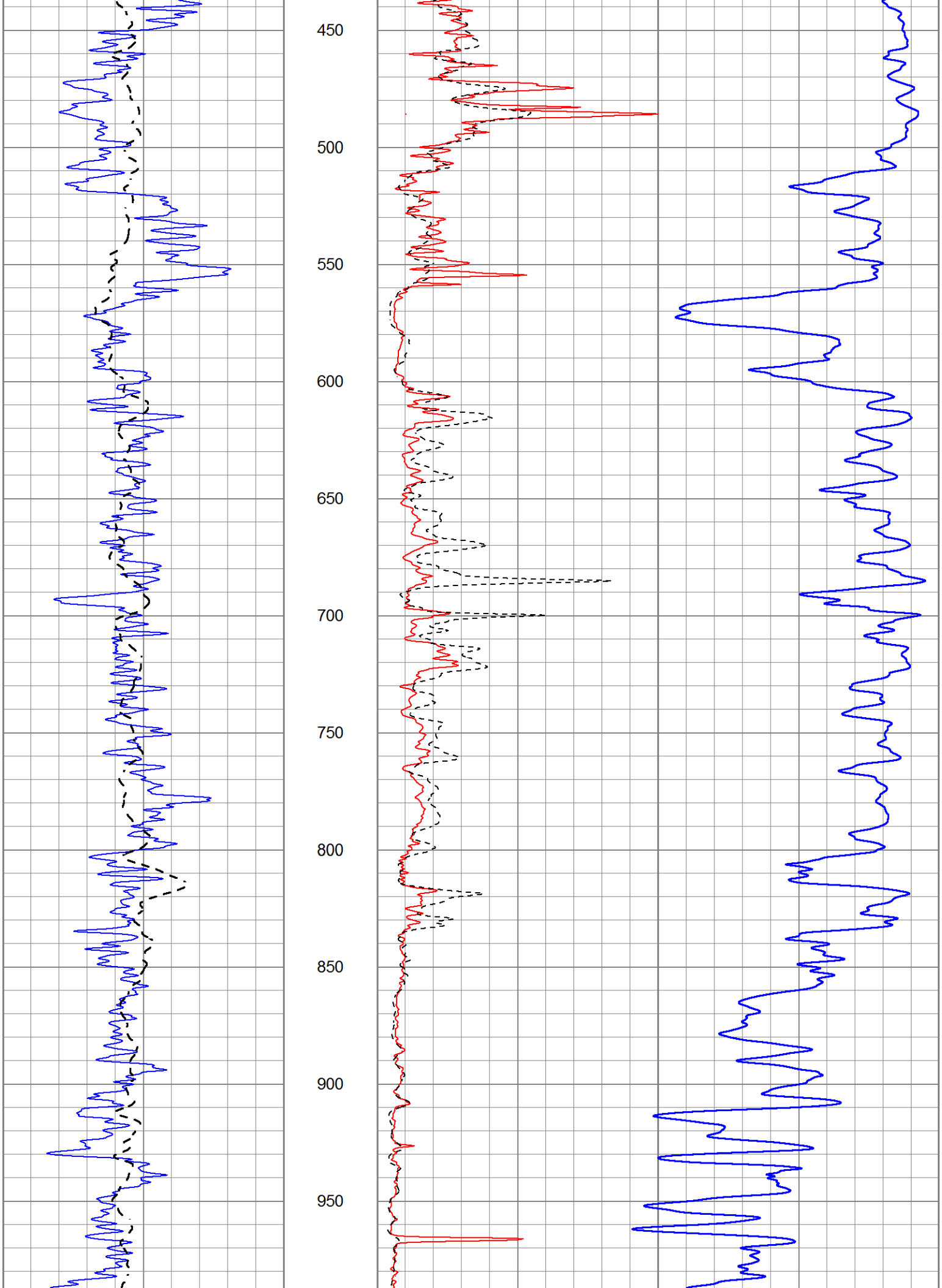
15-163-24454-0000

THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
PALCO, KS., S. TO "N. COUNTY LINE RD.", 1E., 1N., W. INTO THEN BACK SOUTH

MAIN SECTION

Database File	6340ddn.db
Dataset Pathname	pass5.6M
Presentation Format	_dil2
Dataset Creation	Sun Jul 24 17:08:05 2022
Charted by	Depth in Feet scaled 1:600

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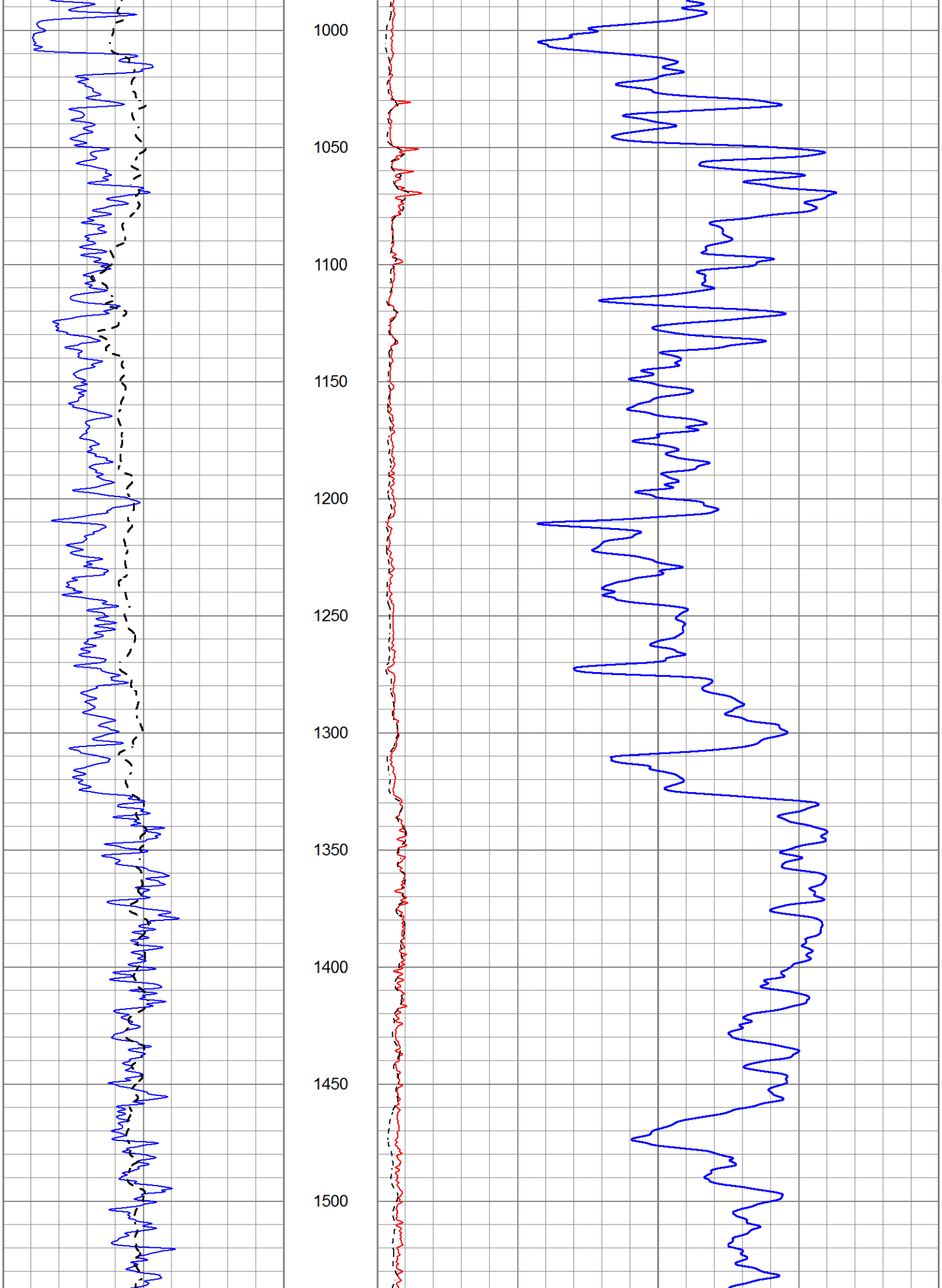
650
700
750
800
850
900
950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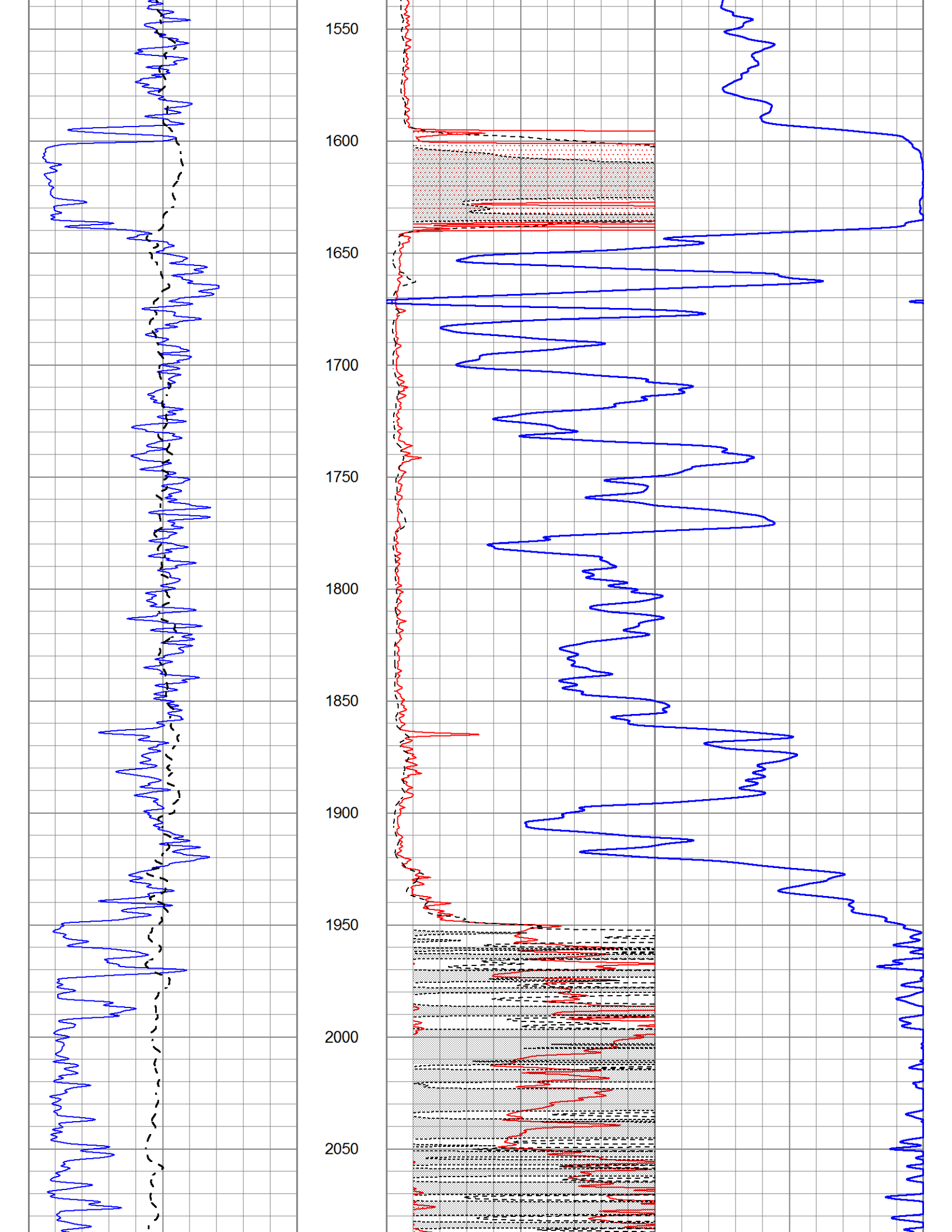
1100
1150
1200
1250
1300
1350
1400
1450
1500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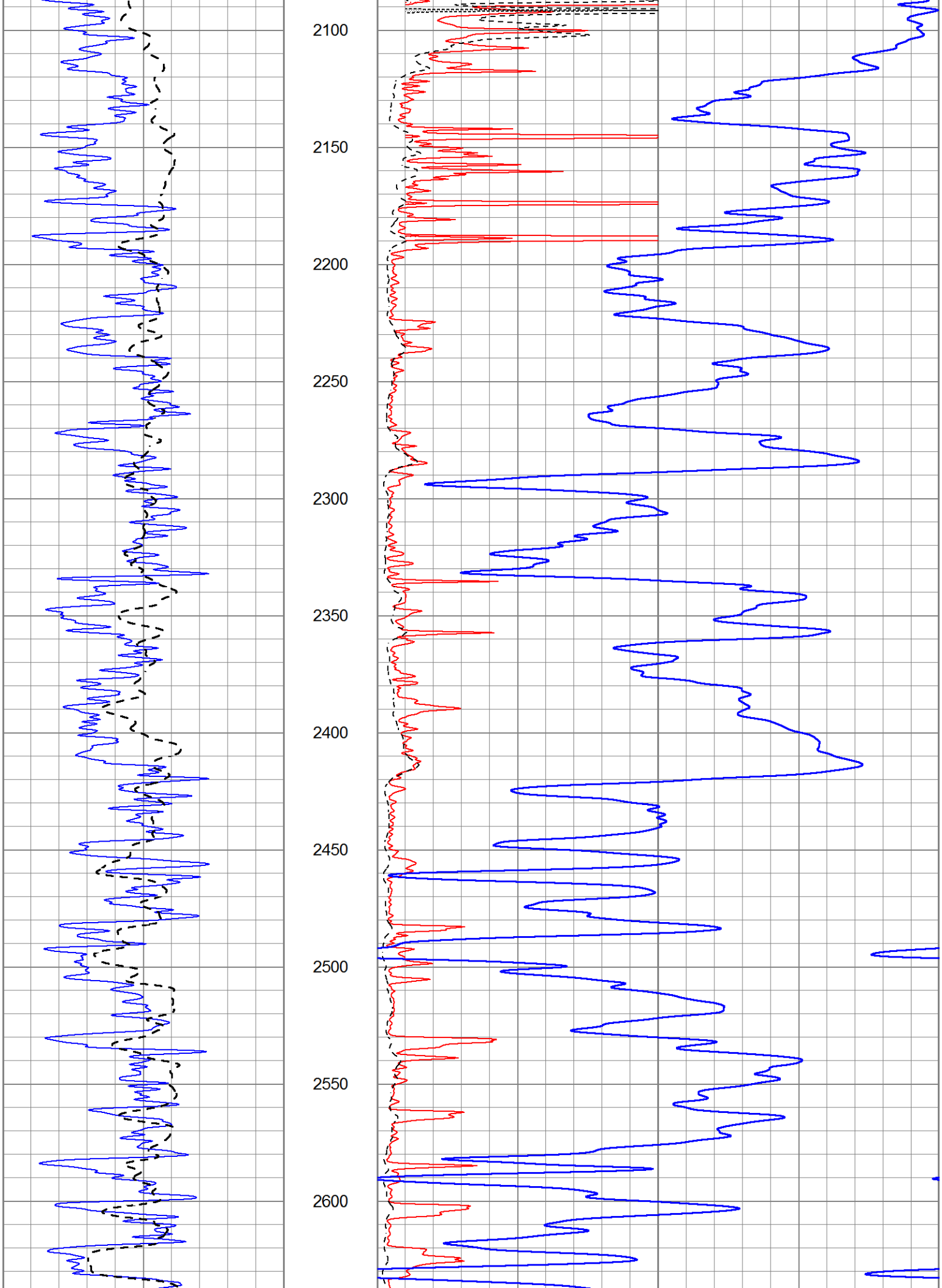
1700
1750
1800
1850
1900
1950
2000
2050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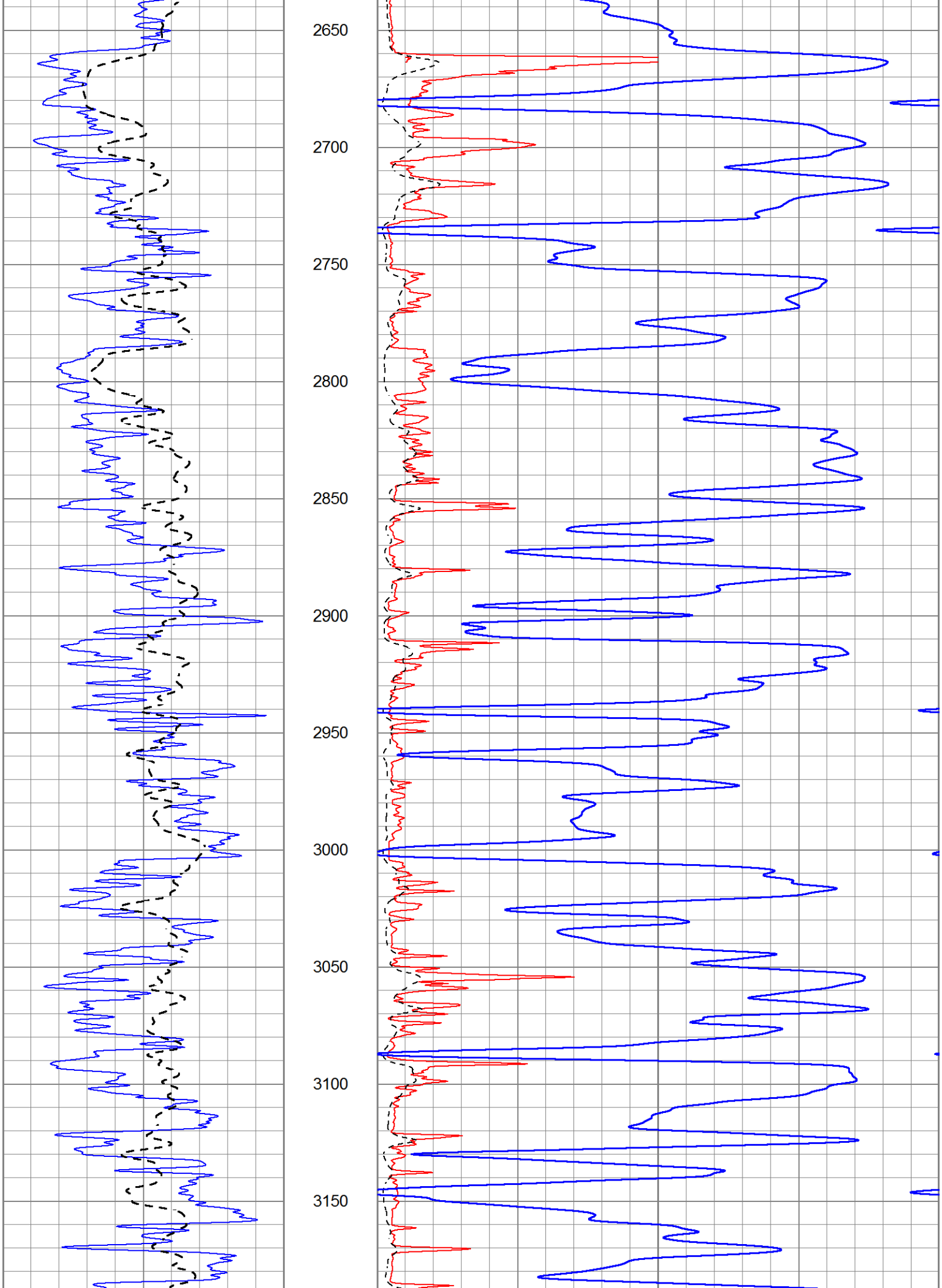
2550
2600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2850
2900
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3050
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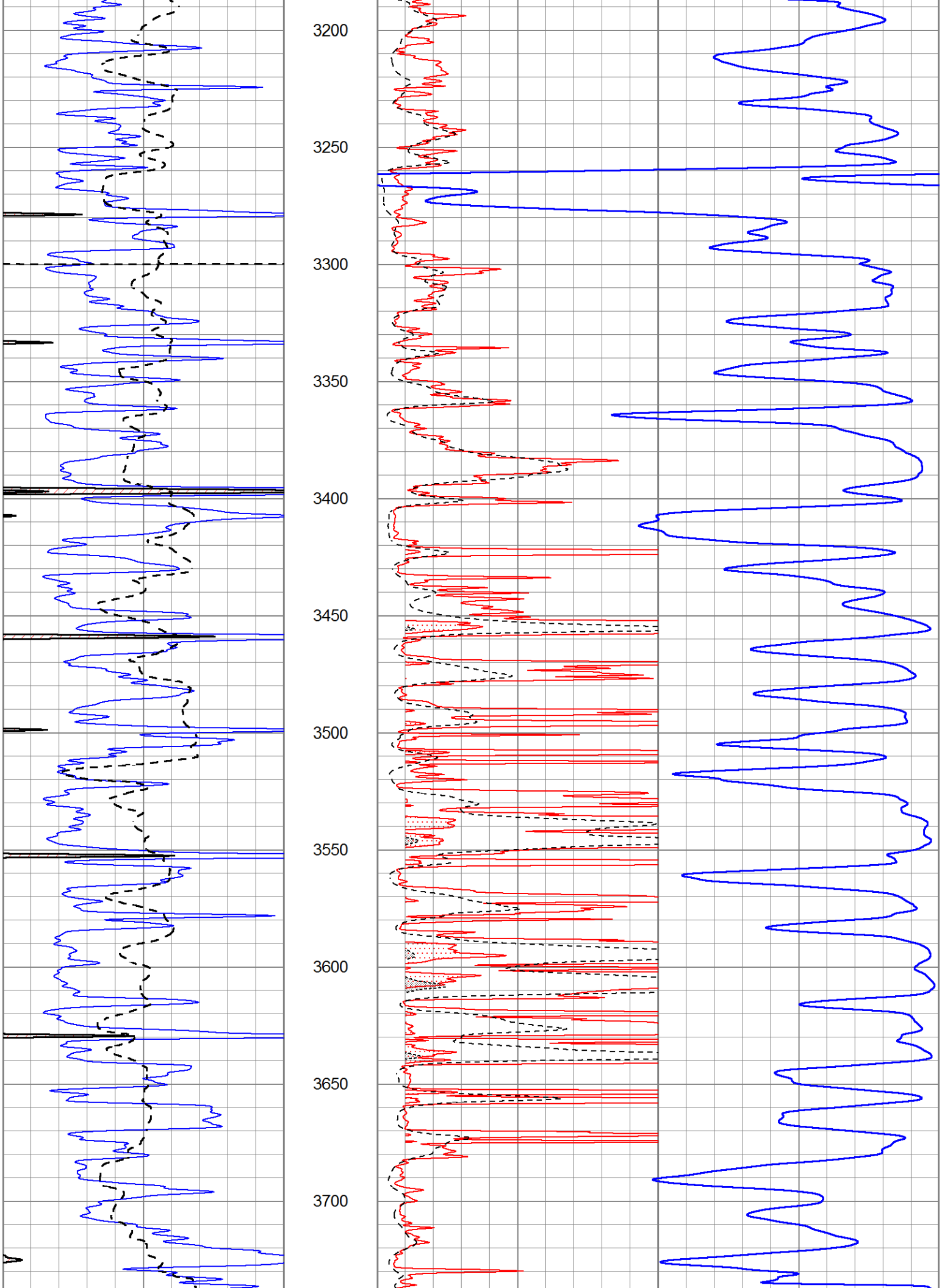
3150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3450
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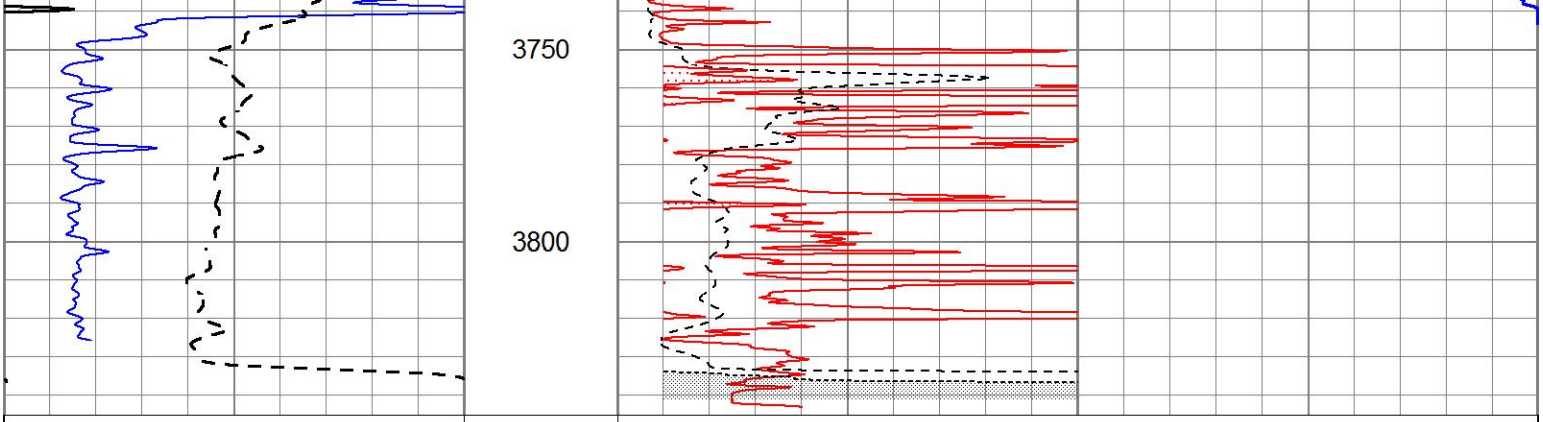
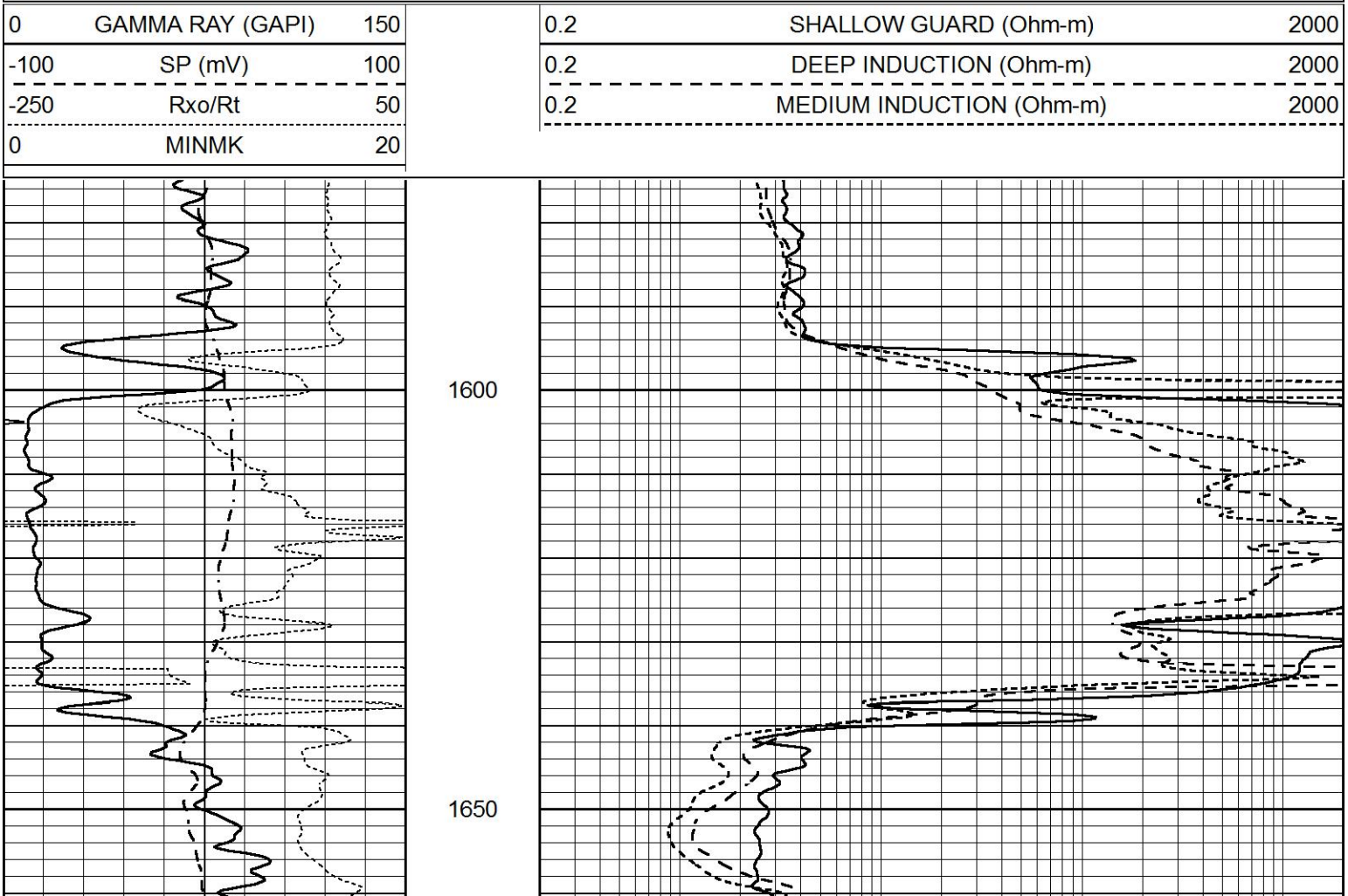
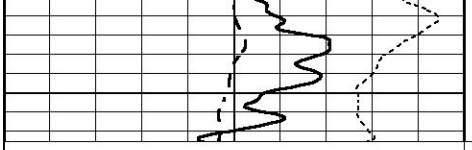
3650
3700



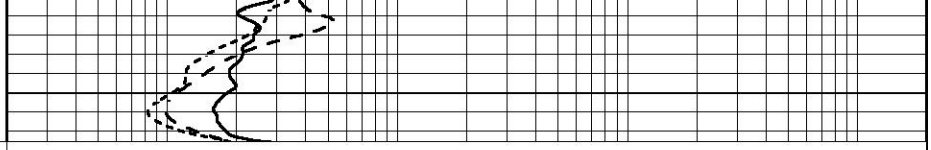
ANHYDRITE

Database File	6340ddn.db
Dataset Pathname	pass5.6A
Presentation Format	_dil
Dataset Creation	Sun Jul 24 17:09:49 2022
Charted by	Depth in Feet scaled 1:240





0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20



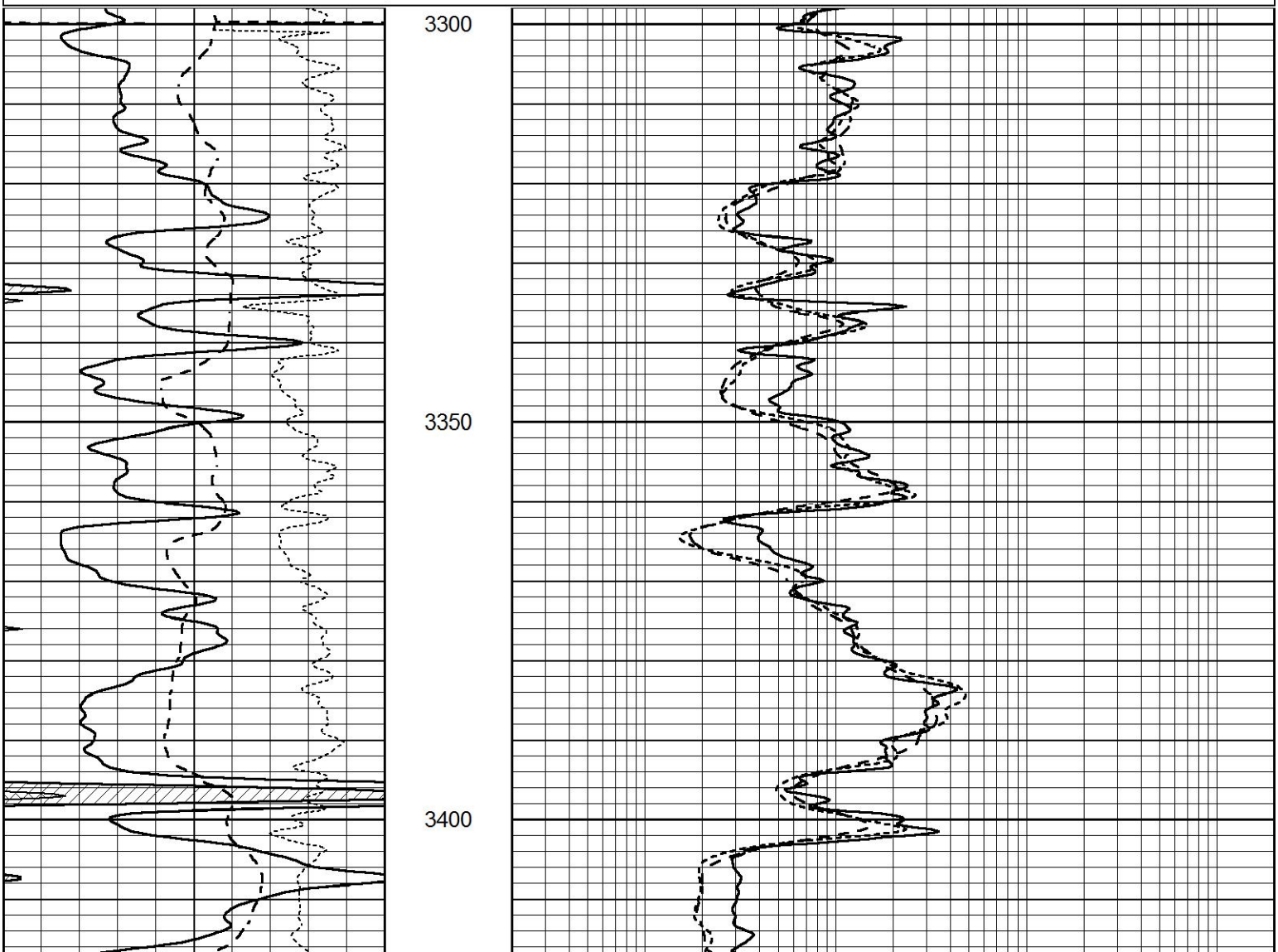
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

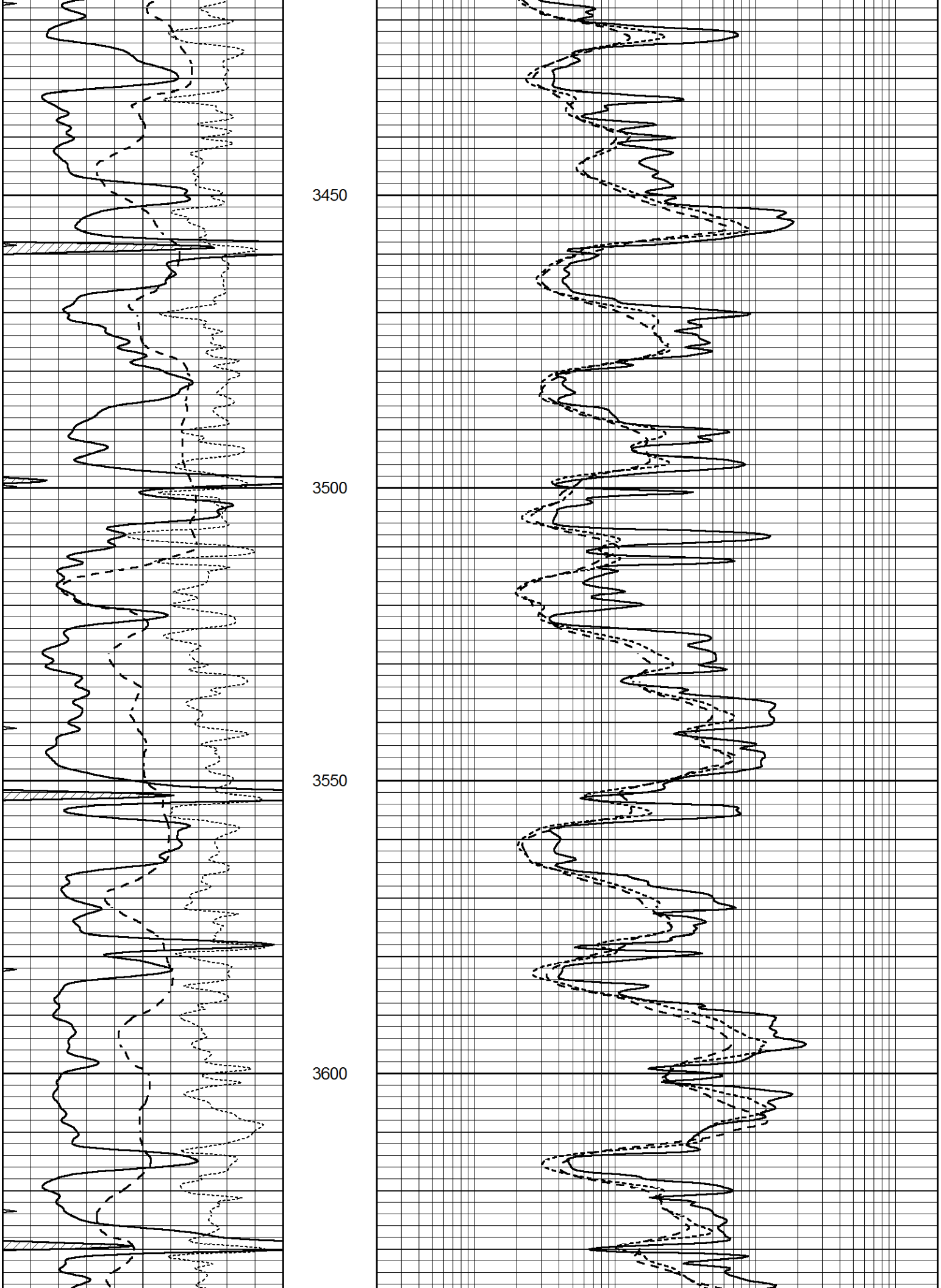
MAIN SECTION

Database File	6340ddn.db
Dataset Pathname	pass5.6M
Presentation Format	_dil
Dataset Creation	Sun Jul 24 17:08:05 2022
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

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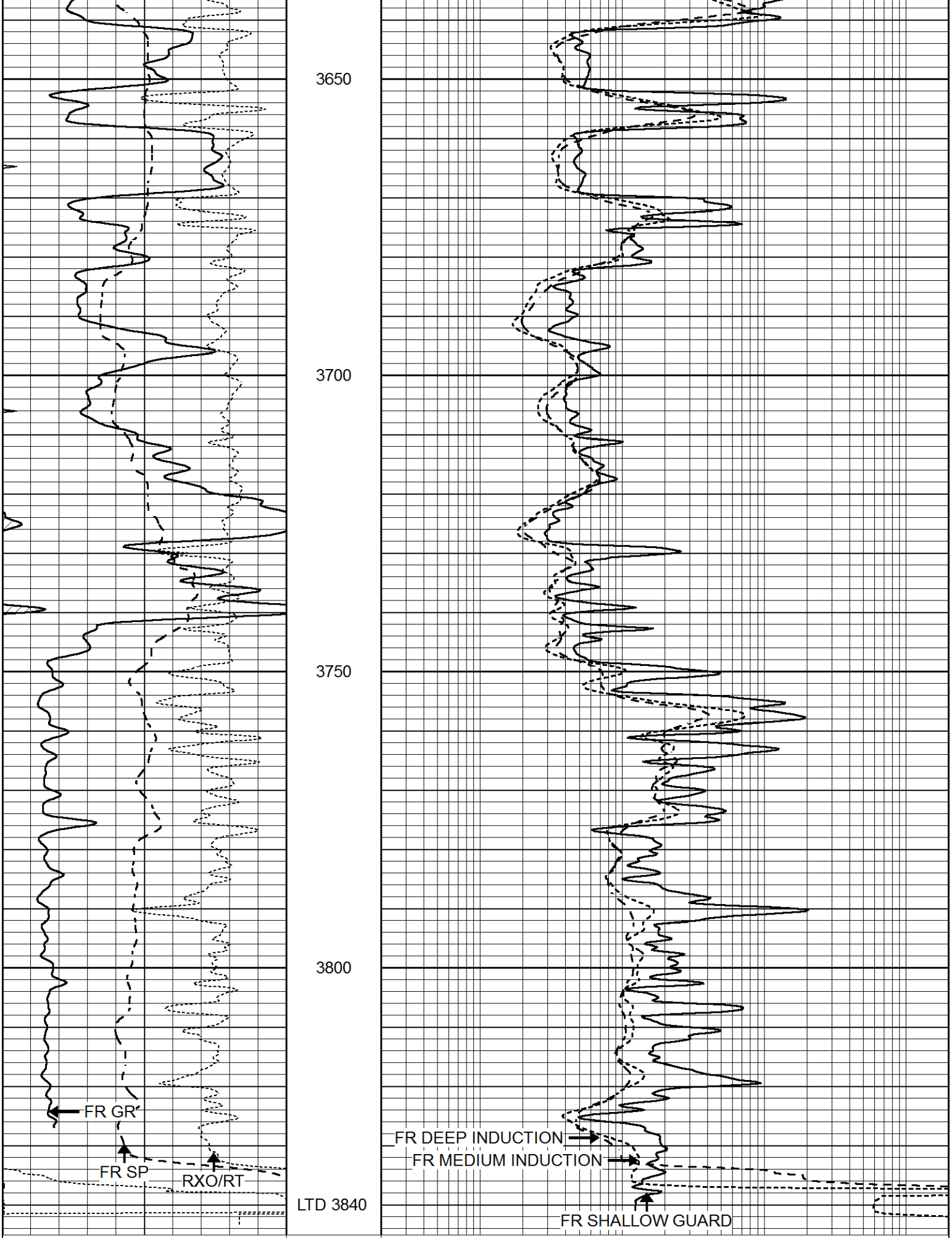

3650
3700
3750
3800
LTD 3840
FR GR
FR SP
RXO/RT
FR DEEP INDUCTION
FR MEDIUM INDUCTION
FR SHALLOW GUARD
0
GAMMA RAY (GAPI)
150
-100
SP (mV)
100
0.2
SHALLOW GUARD (Ohm-m)
2000
0.2
DEEP INDUCTION (Ohm-m)
2000

-250	Rxo/Rt	50
0	MINMK	20

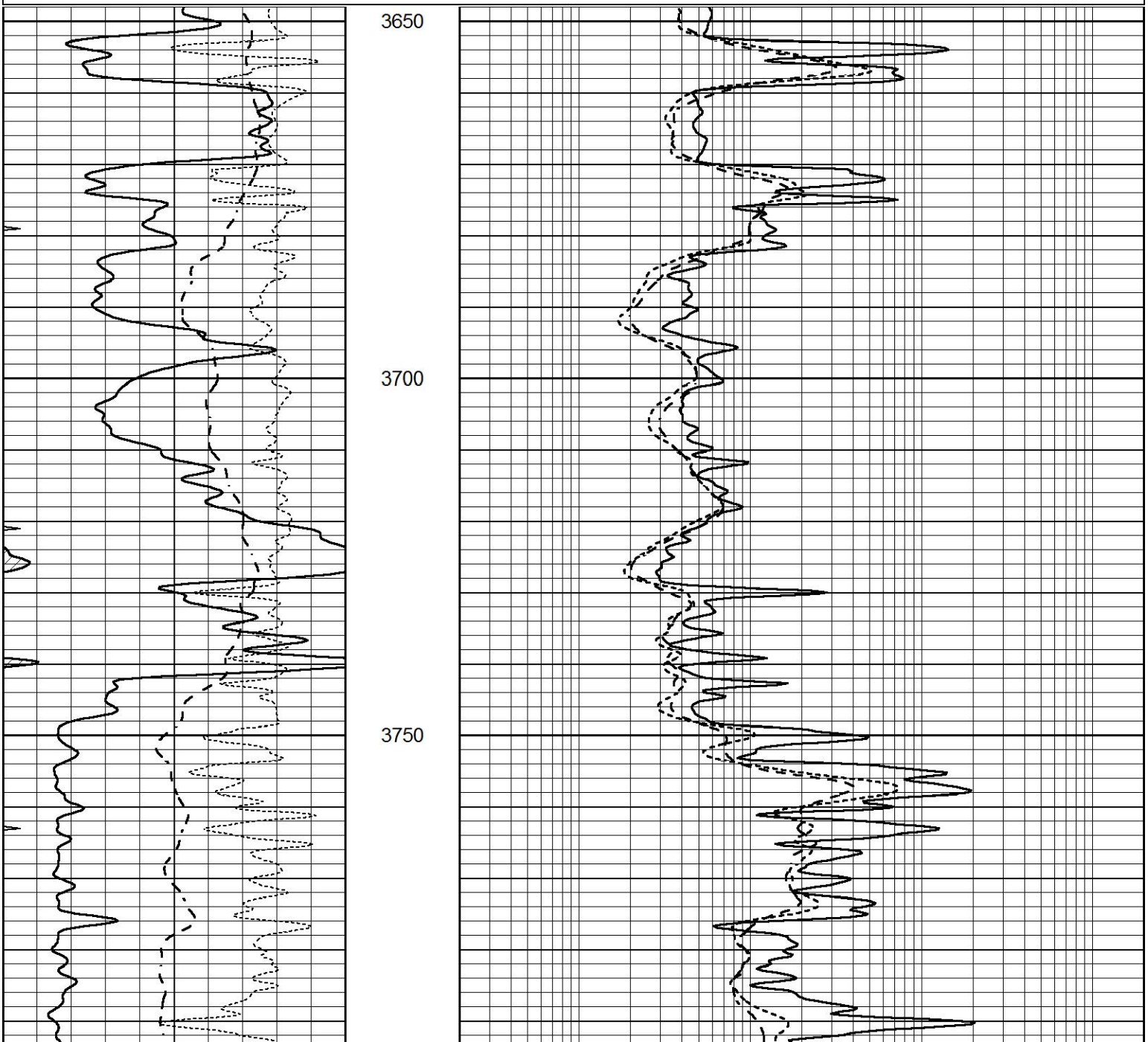
0.2	MEDIUM INDUCTION (Ohm-m)	2000

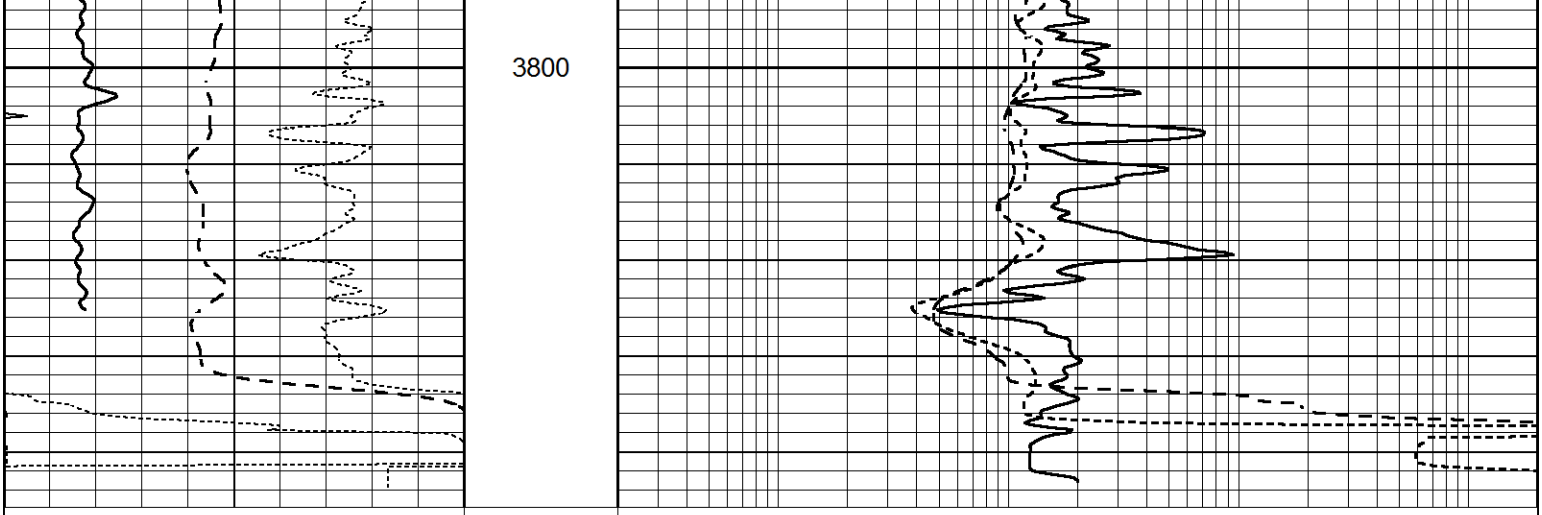
REPEAT SECTION

Database File	6340ddn.db
Dataset Pathname	pass4.1R
Presentation Format	_dil
Dataset Creation	Sun Jul 24 15:11:23 2022
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000





0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

Calibration Report

Database File 6340ddn.db
Dataset Pathname pass5.6M
Dataset Creation Sun Jul 24 17:08:05 2022

Dual Induction Calibration Report

Serial-Model: PROBE8-DILG
Surface Cal Performed: Sat Apr 30 13:40:56 2022
Downhole Cal Performed: Mon Jul 28 11:08:27 2008
After Survey Verification Performed: Mon Jul 28 11:08:27 2008

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	640.000	3.000
Medium	0.029	0.796	V	0.000	464.000	mmho/m	650.000	-12.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619
Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000
LL3		7.500	V		1500.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		3800.000	mmho-m		

After Survey Verification

	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		

LL3	1.000	Ohm-m	1.000	Ohm-m
	0.000	Ohm-m	0.000	Ohm-m
	1.000	mmho-m	1.000	mmho-m

Gamma Ray Calibration Report

Serial Number:	GR5	
Tool Model:	OPEN	
Performed:	Wed Dec 10 13:55:55 2014	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps