DUAL INDUCTION LOG

Company WHITE EXPLORATION, INC.
Well ABERCROMBIE #1
Field UNNAMED
County HODGEMAN State KANSAS

Location: API # : 15-083-22017-0000
115' FNL & 360' FWL
NE - NW - NW - NW
SEC 13 TWP 23S RGE 24W

Other Services
CDL/CNL/PE
MEL/SON

Permanent Datum GROUND LEVEL Elevation 2337
Log Measured From KELLY BUSHING 7' A.G.L
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2344
D.F. 2342
G.L. 2337

Company	WHITE EXPLORATION, INC.		
Well	ABERCROMBIE #1		
Field	UNNAMED		
County	HODGEMAN		
State	KANSAS		
Date	10/6/22		
Run Number	ONE		
Depth Driller	4680		
Depth Logger	4672		
Bottom Logged Interval	4670		
Top Log Interval	00		
Casing Driller	8 5/8" @ 305'		
Casing Logger	305		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3,500 PPM	
Density / Viscosity	9.2/59		
pH / Fluid Loss	10.5/6.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.20 @ 70F		
Rmf @ Meas. Temp	.900 @ 70F		
Rmc @ Meas. Temp	1.44 @ 70F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.689 @ 122F		
Time Circulation Stopped	2.5 HOURS		
Time Logger on Bottom	9:00 P.M.		
Maximum Recorded Temperature	122F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	COLE ROBBEN		
Witnessed By	ANDY WHITE		

<<< Fold Here >>>

Comments

THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395

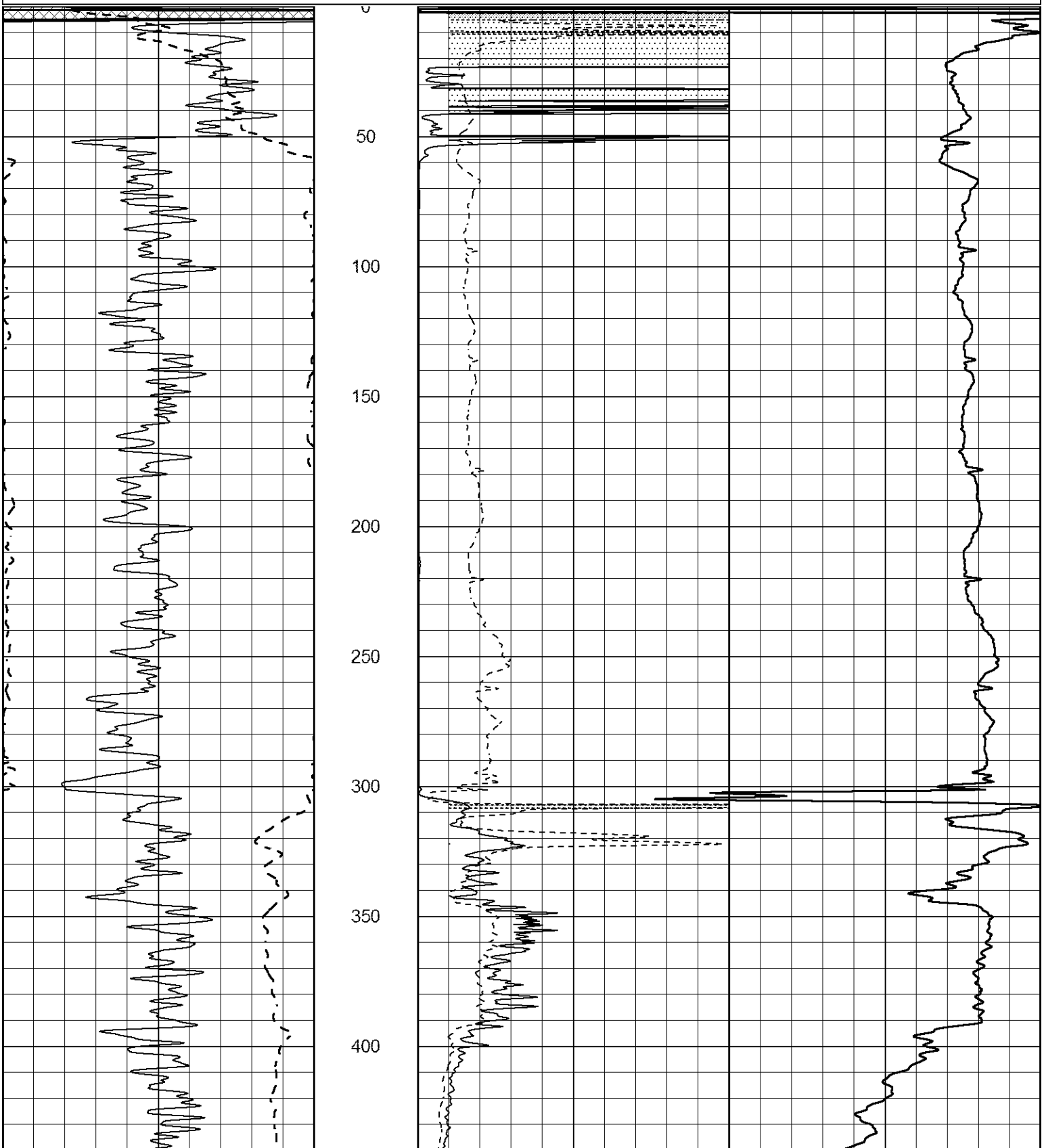
DIRECTIONS:
FROM SOUTH END OF JETMORE, KANSAS AT 283 AND ROAD L, GO WEST ON ROAD L 1.2 MILES TO ROAD 217, 1 MILE SOUTH ON ROAD 217, EAST INTO

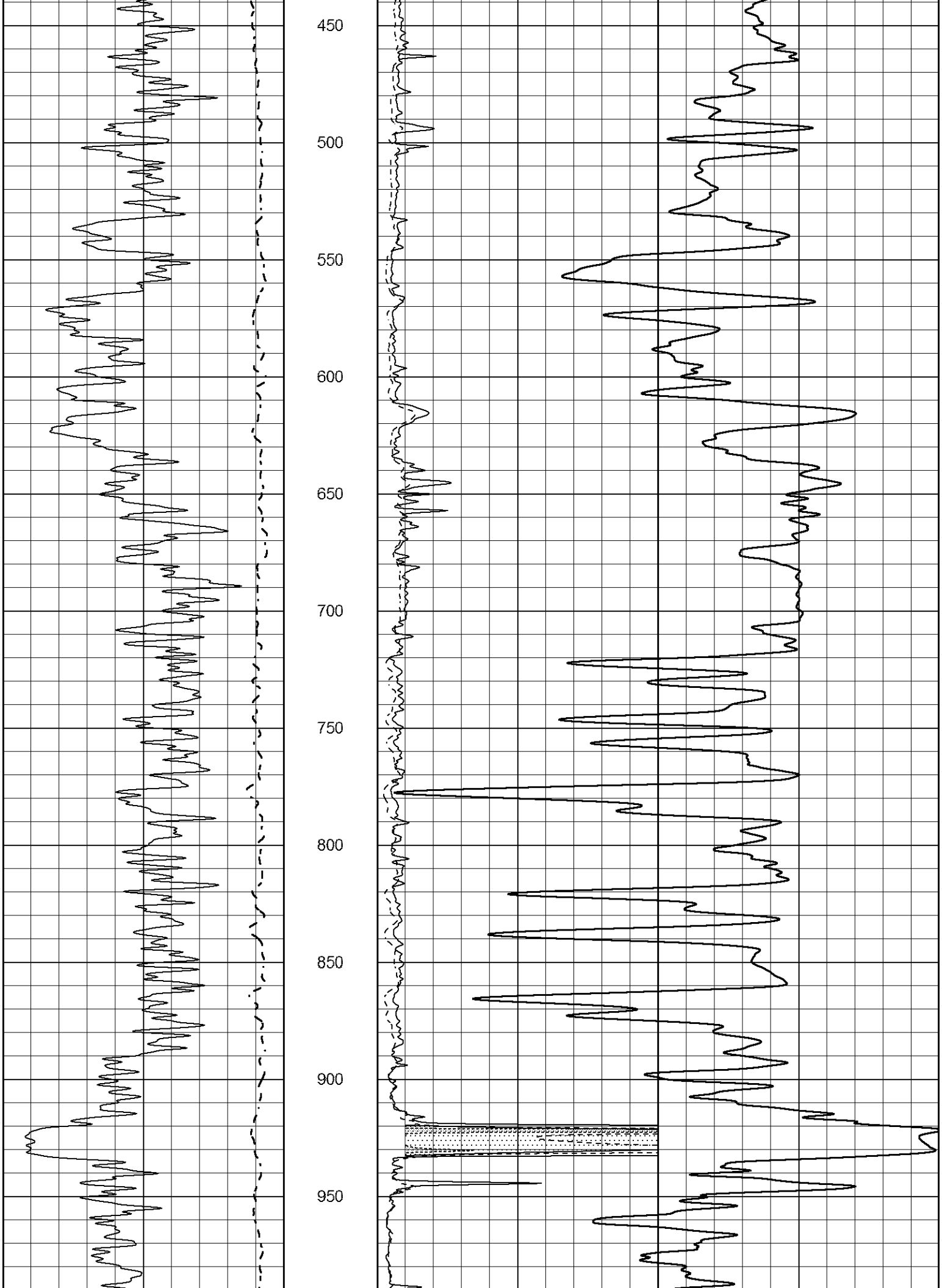
MAIN SECTION

Database File	7229ddn.db
Dataset Pathname	pass3MAIN
Presentation Format	_dil2
Dataset Creation	Thu Oct 06 22:29:58 2022
Charted by	Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150
-100	SP (mV)	100

1000	CILD (mmho/m)	0
0	RLL3 (Ohm-m)	50
0	Deep Induction (Ohm-m)	50
50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500

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600
650
700
750
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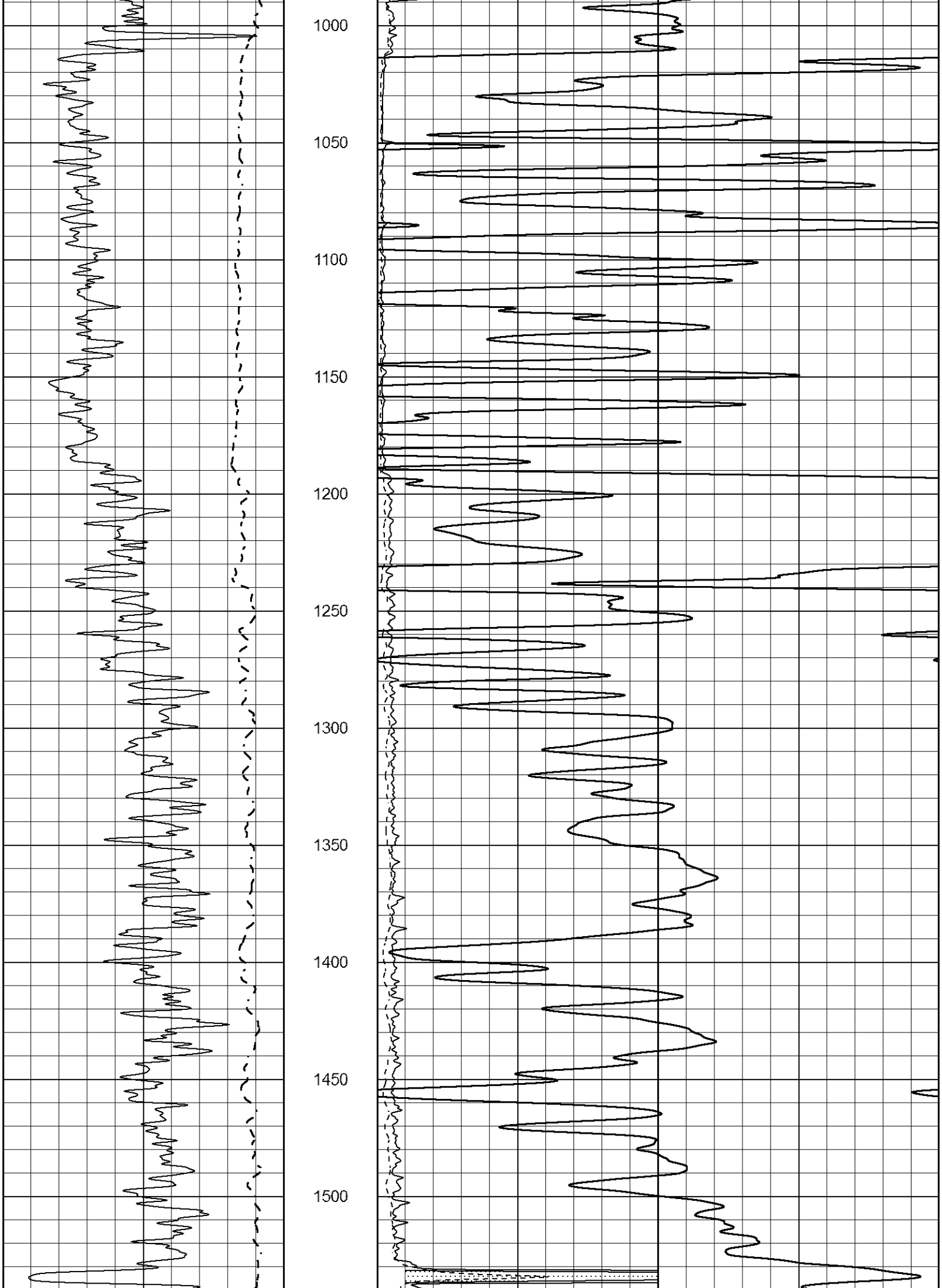
850
900
950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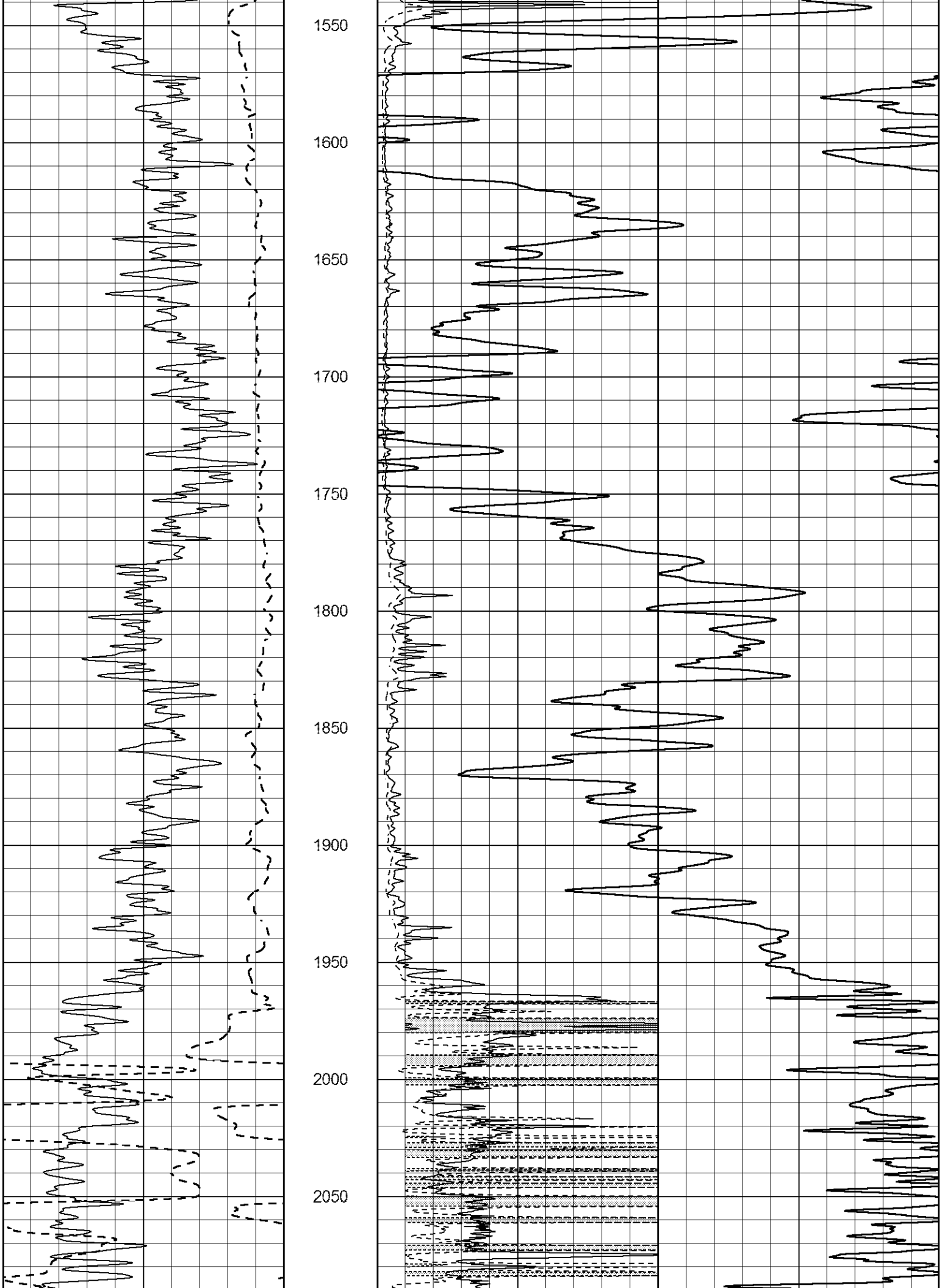
1050
1100
1150
1200
1250
1300
1350
1400
1450
1500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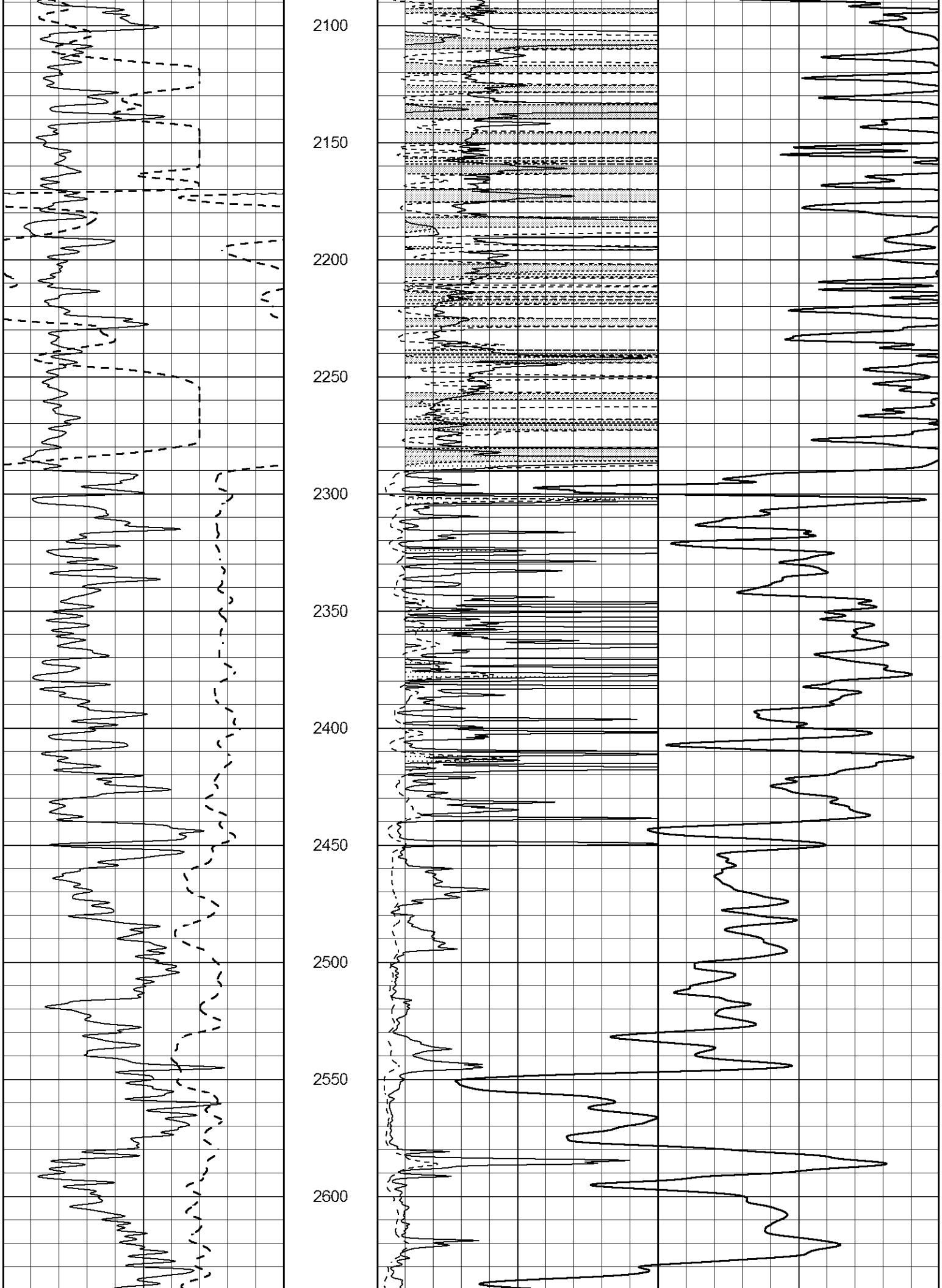
1600
1650
1700
1750
1800
1850
1900
1950
2000
2050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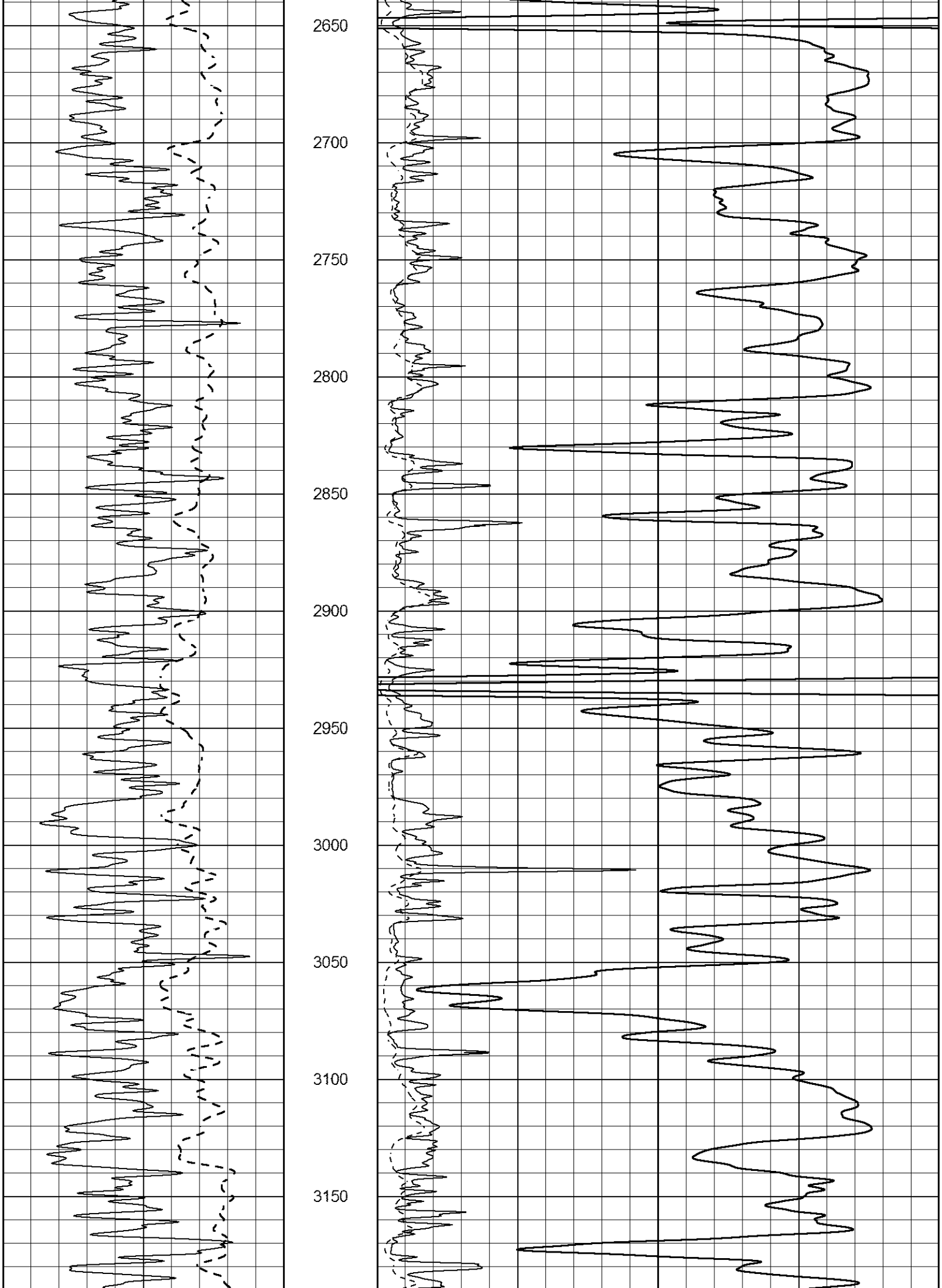
2200
2250
2300
2350
2400
2450
2500
2550
2600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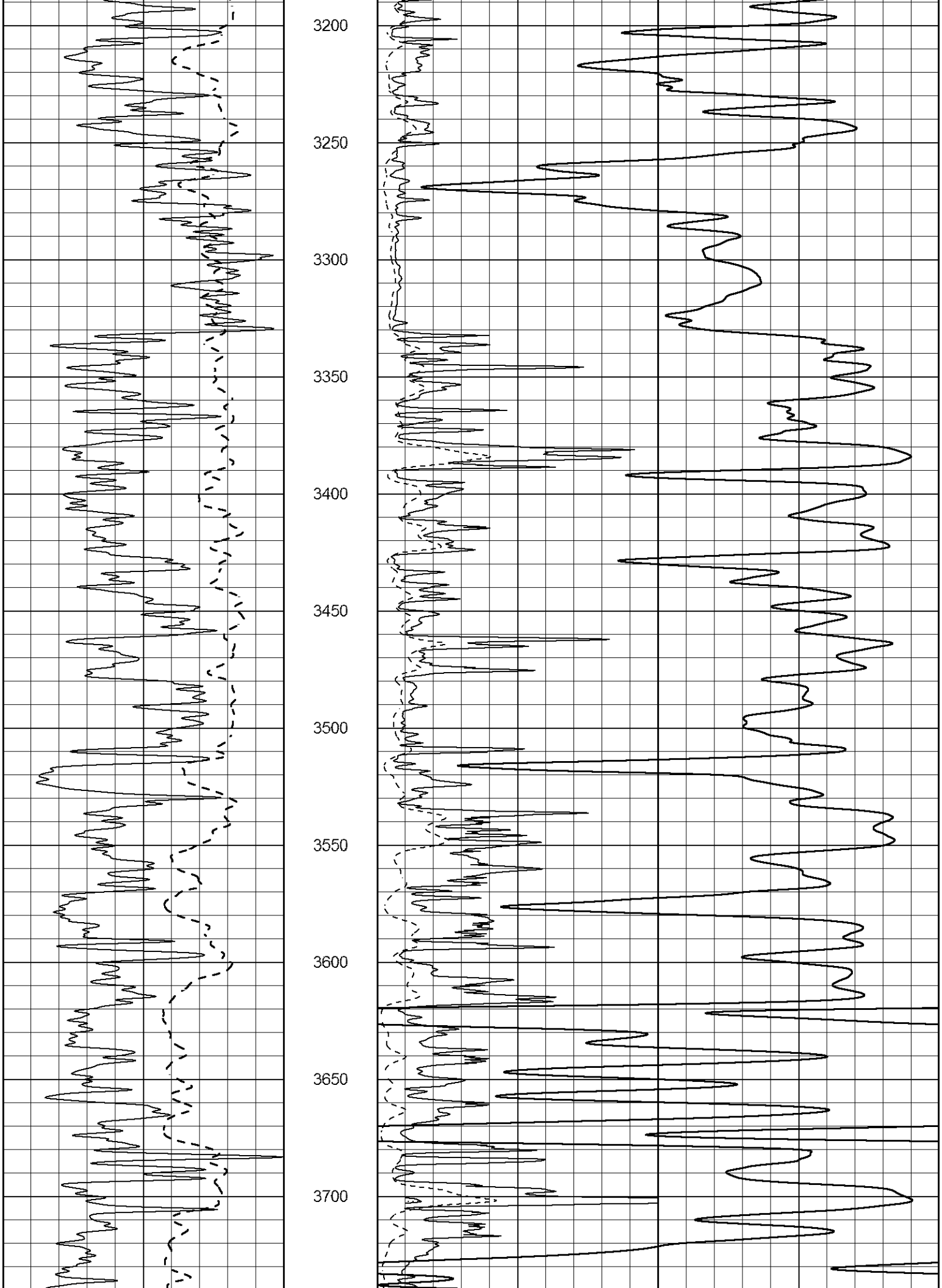
2700
2750
2800
2850
2900
2950
3000
3050
3100
3150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3350
3400
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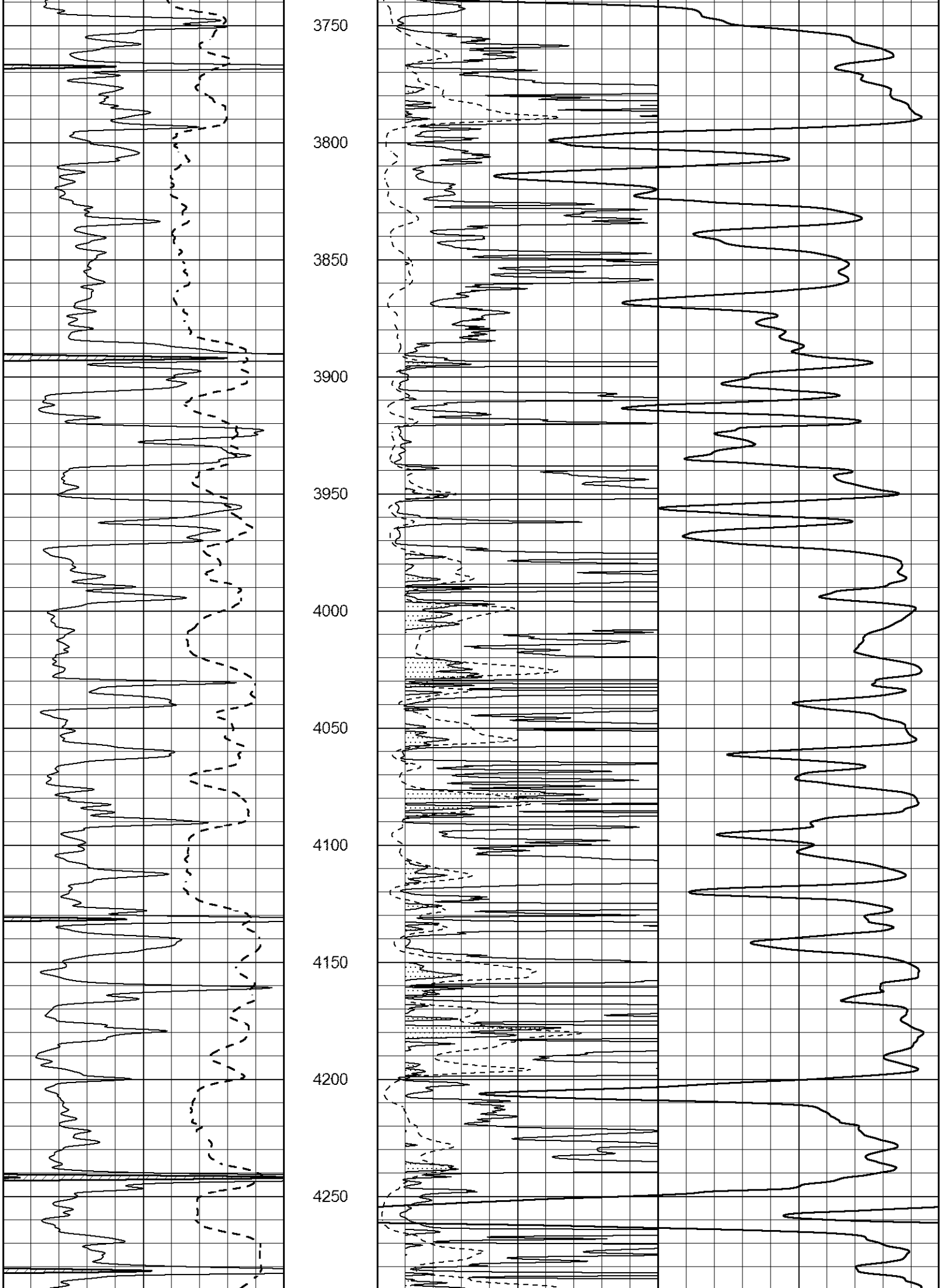
3550
3600
3650
3700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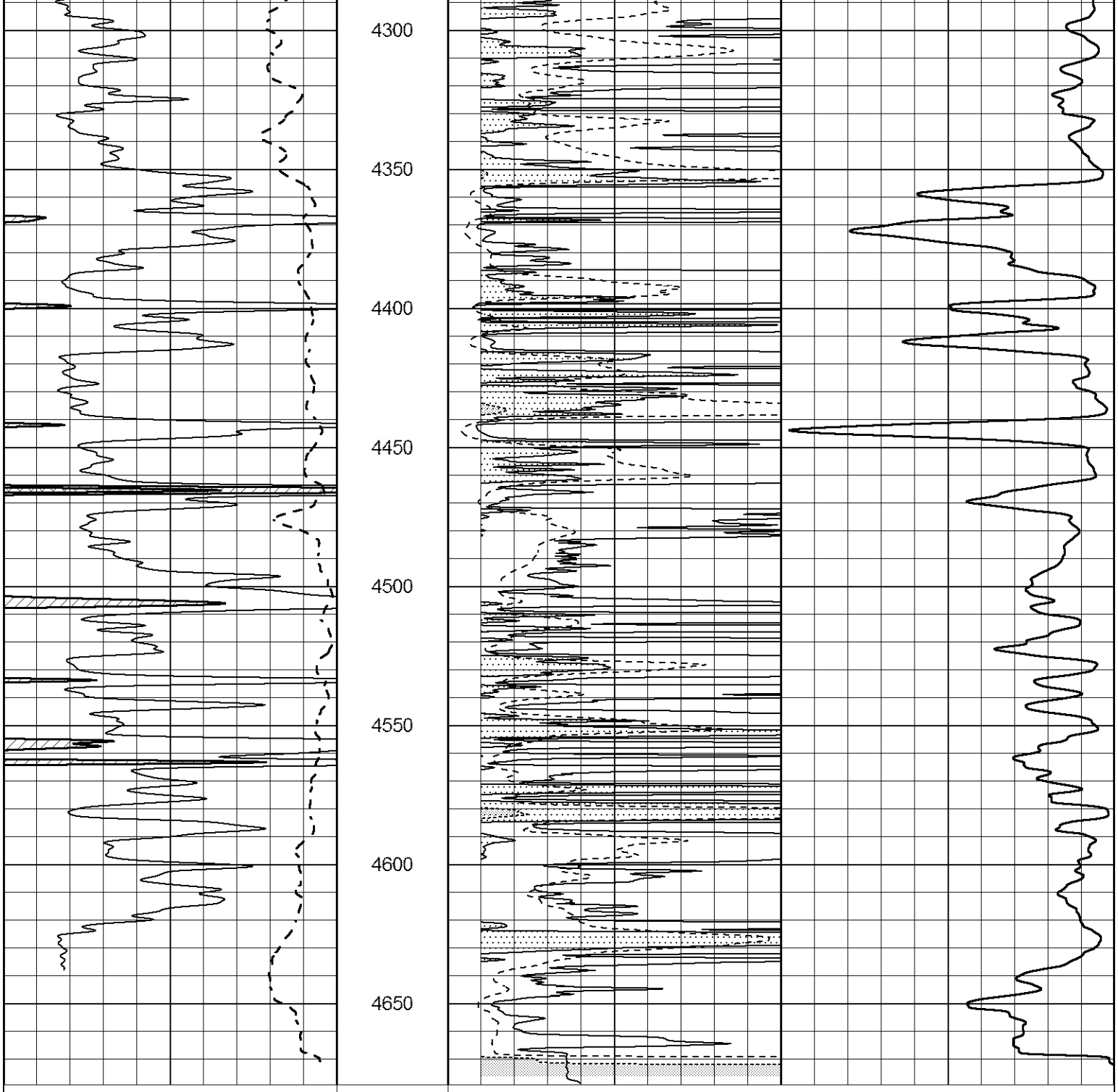
3850
3900
3950
4000
4050
4100
4150
4200
4250

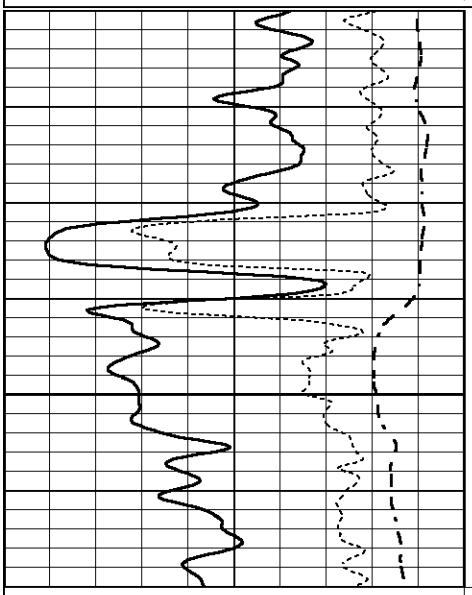


ANHYDRITE

Database File	7229ddn.db
Dataset Pathname	pass3A
Presentation Format	_dil
Dataset Creation	Thu Oct 06 22:13:34 2022

Charted by Depth in Feet scaled 1:240

0 GAMMA RAY (GAPI) 150		0.2 SHALLOW GUARD (Ohm-m) 2000
-100 SP (mV) 100		0.2 MEDIUM INDUCTION (Ohm-m) 2000
-250 Rxo/Rt 50		0.2 DEEP INDUCTION (Ohm-m) 2000



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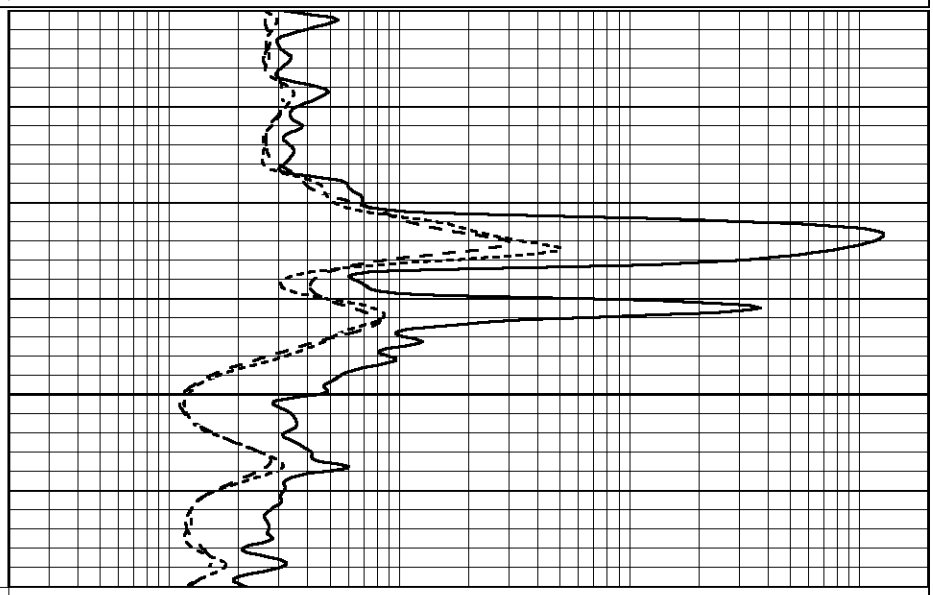
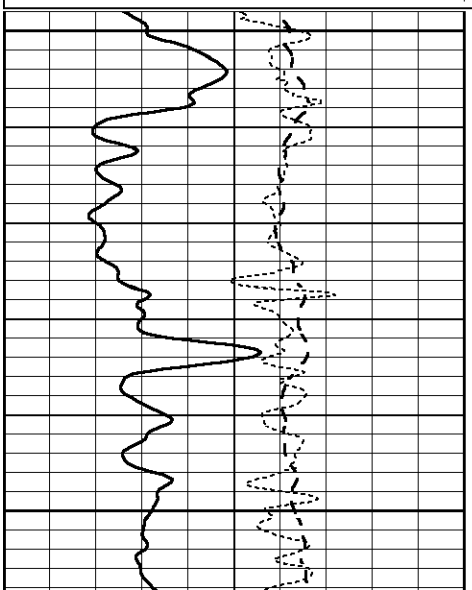


0 GAMMA RAY (GAPI) 150		0.2 SHALLOW GUARD (Ohm-m) 2000
-100 SP (mV) 100		0.2 MEDIUM INDUCTION (Ohm-m) 2000
-250 Rxo/Rt 50		0.2 DEEP INDUCTION (Ohm-m) 2000

MAIN SECTION

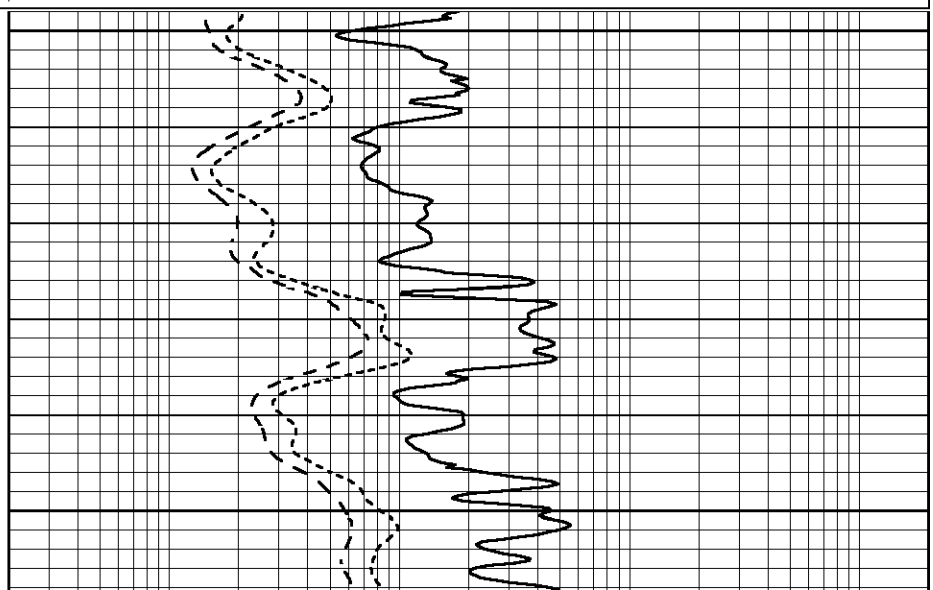
Database File 7229ddn.db
Dataset Pathname pass3D
Presentation Format _dil
Dataset Creation Thu Oct 06 21:56:38 2022
Charted by Depth in Feet scaled 1:240

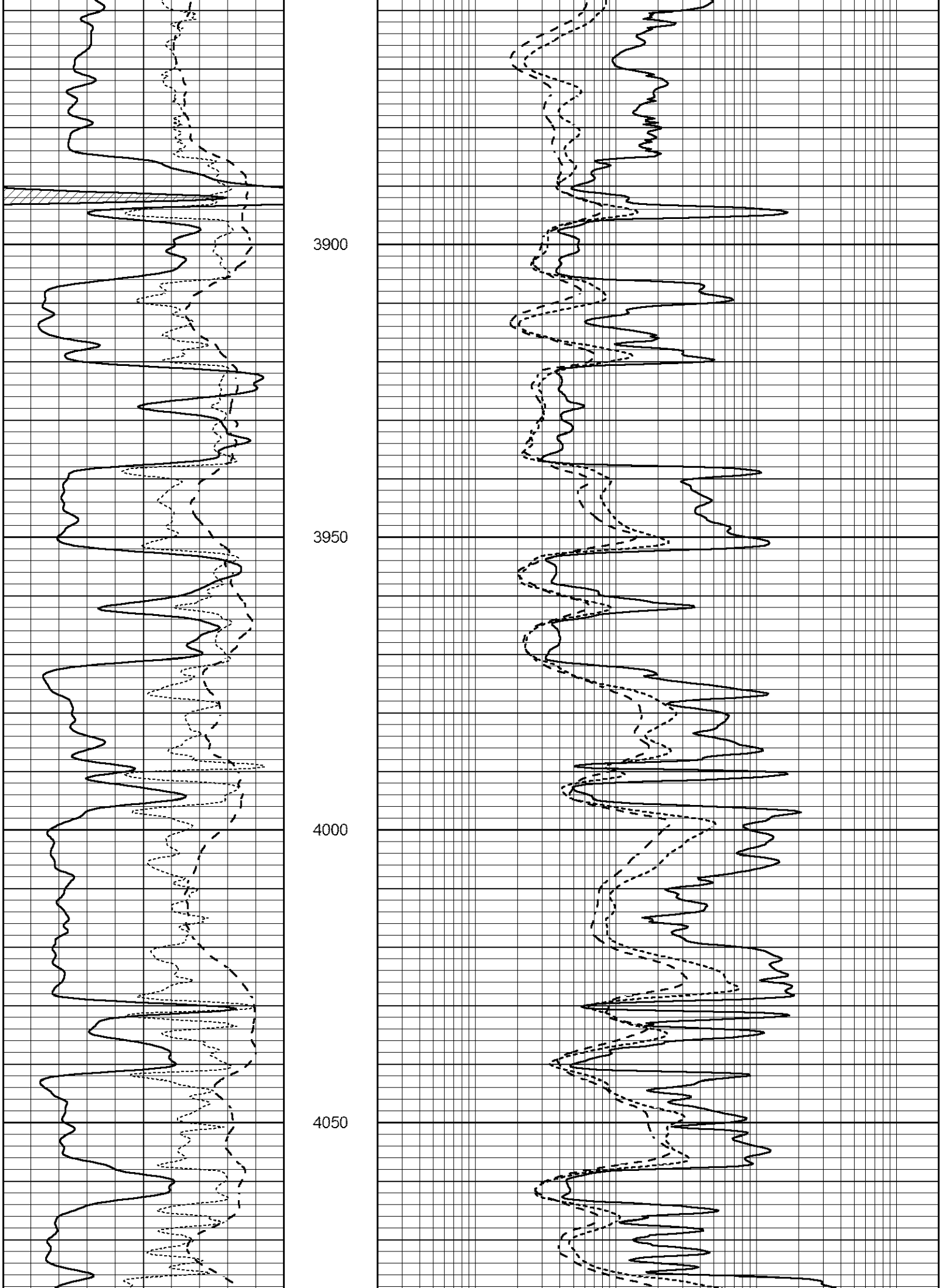
0 GAMMA RAY (GAPI) 150		0.2 SHALLOW GUARD (Ohm-m) 2000
-100 SP (mV) 100		0.2 MEDIUM INDUCTION (Ohm-m) 2000
-250 Rxo/Rt 50		0.2 DEEP INDUCTION (Ohm-m) 2000



3800

3850

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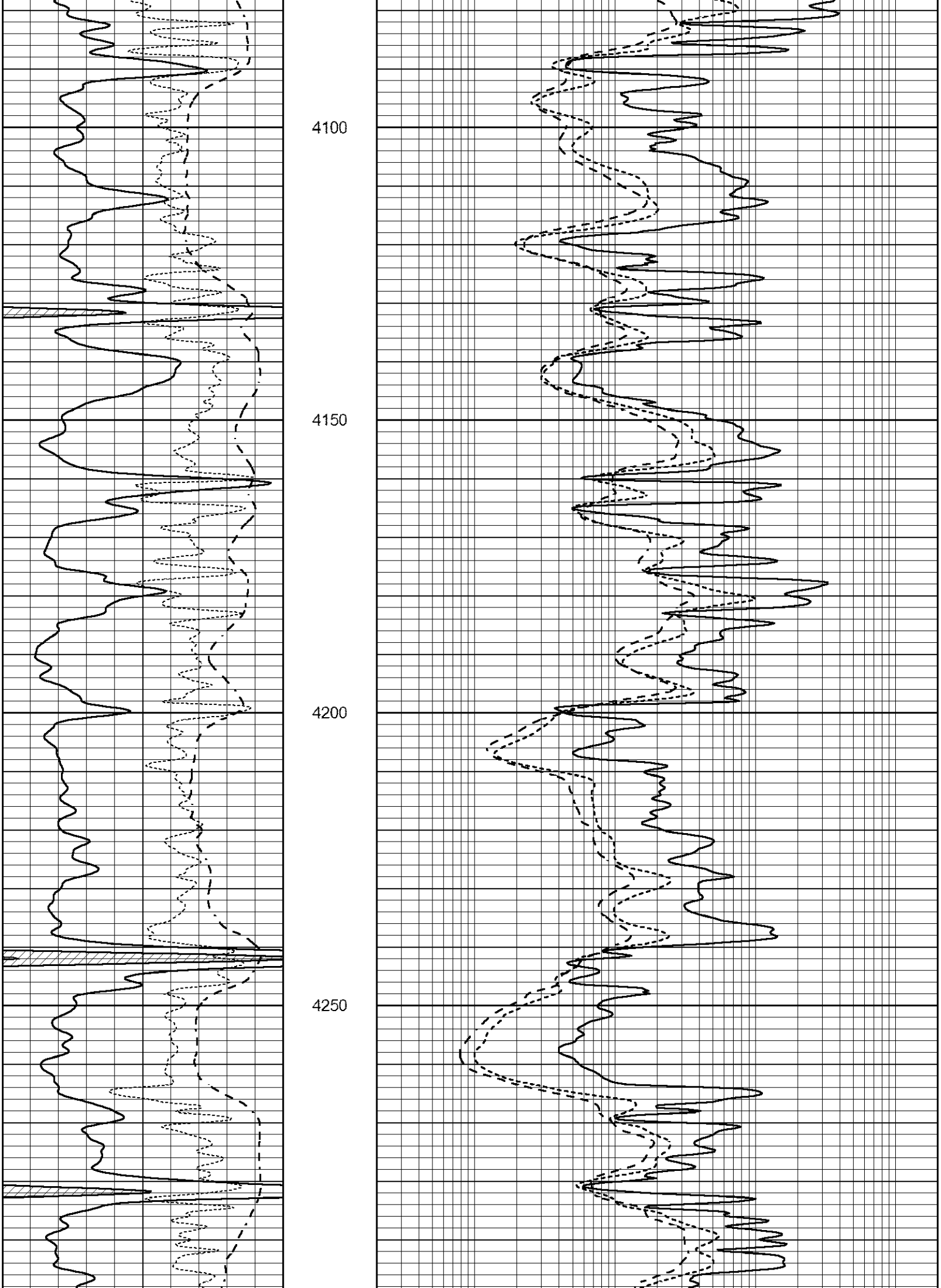
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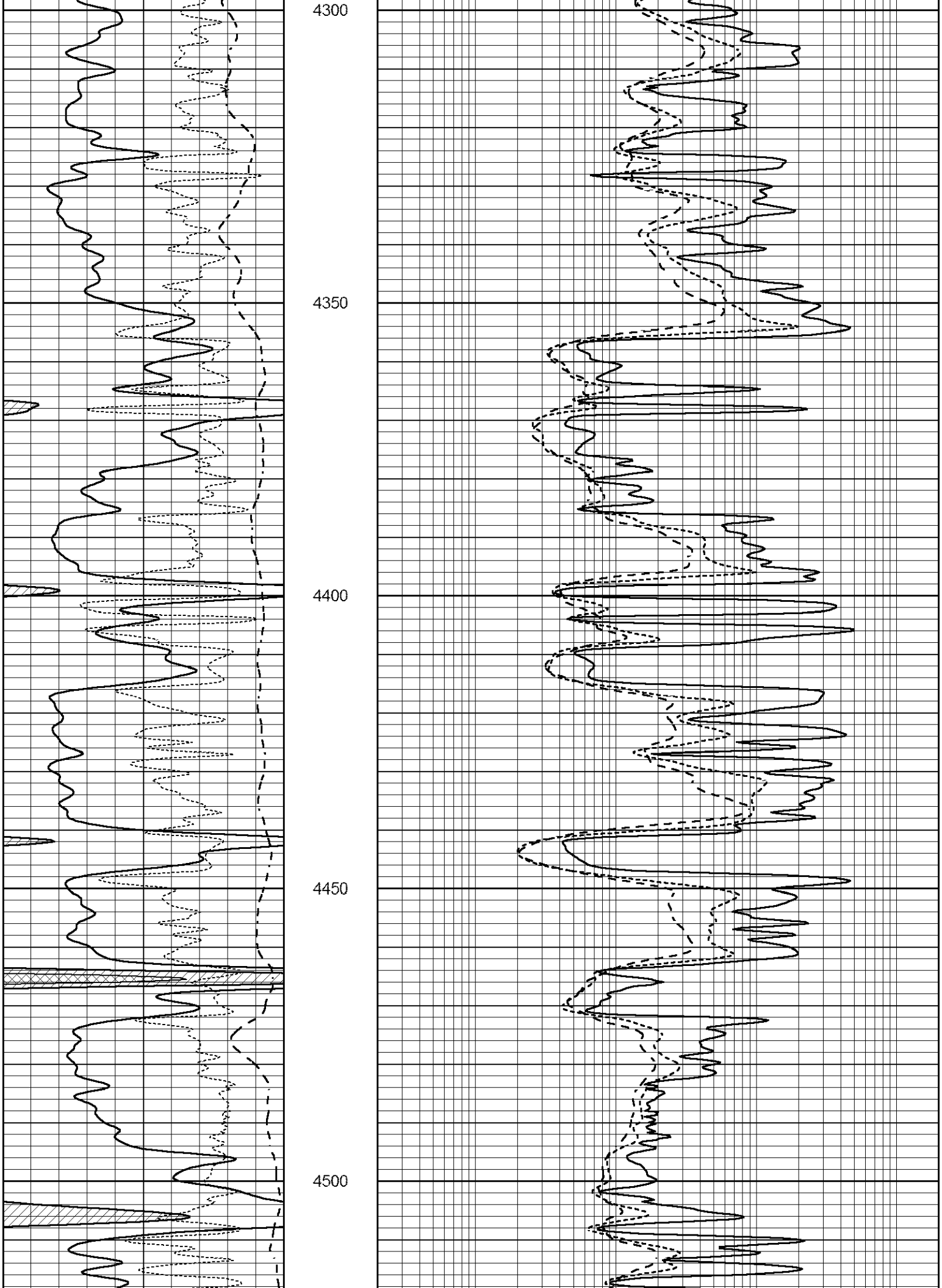
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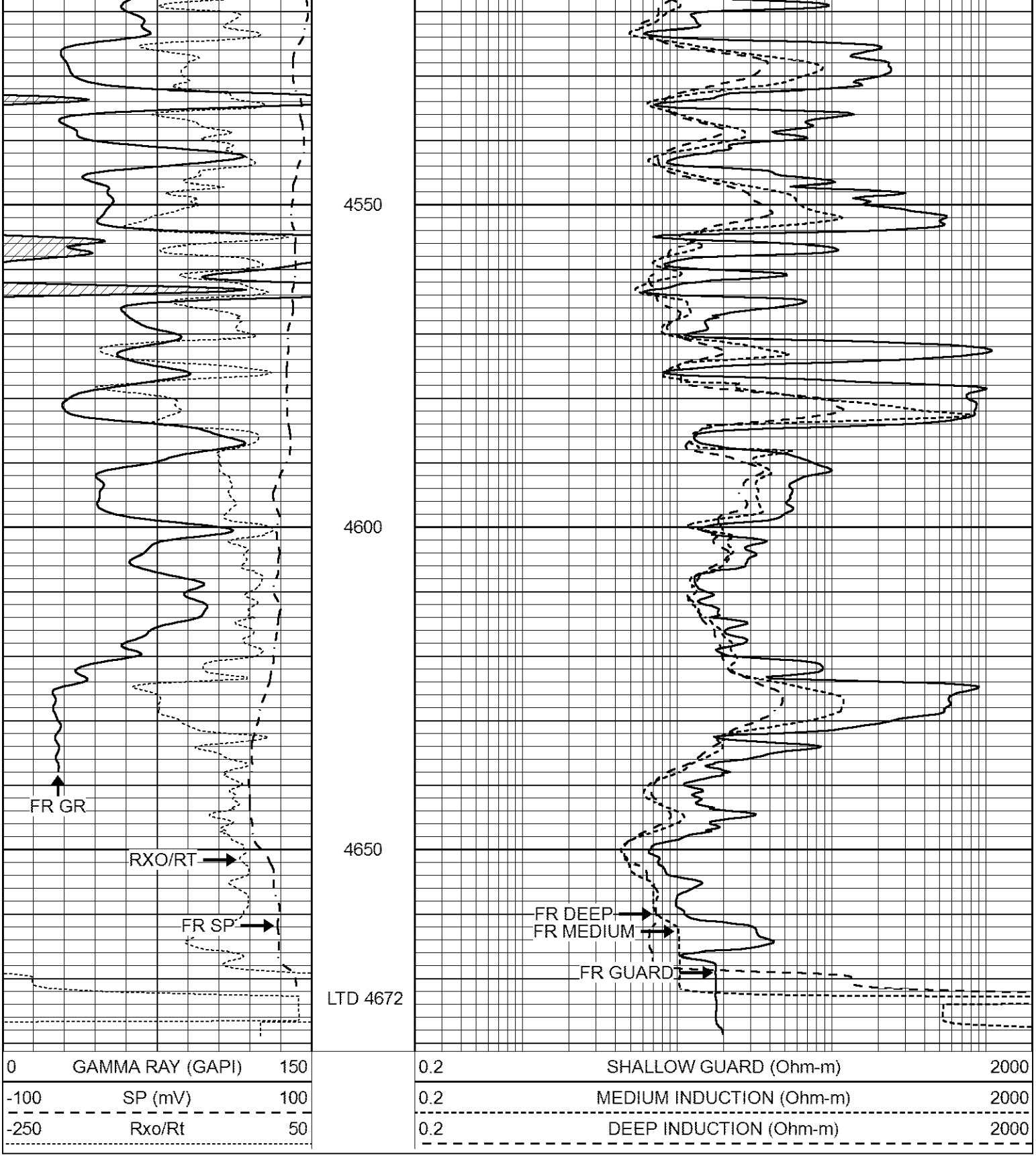
4500



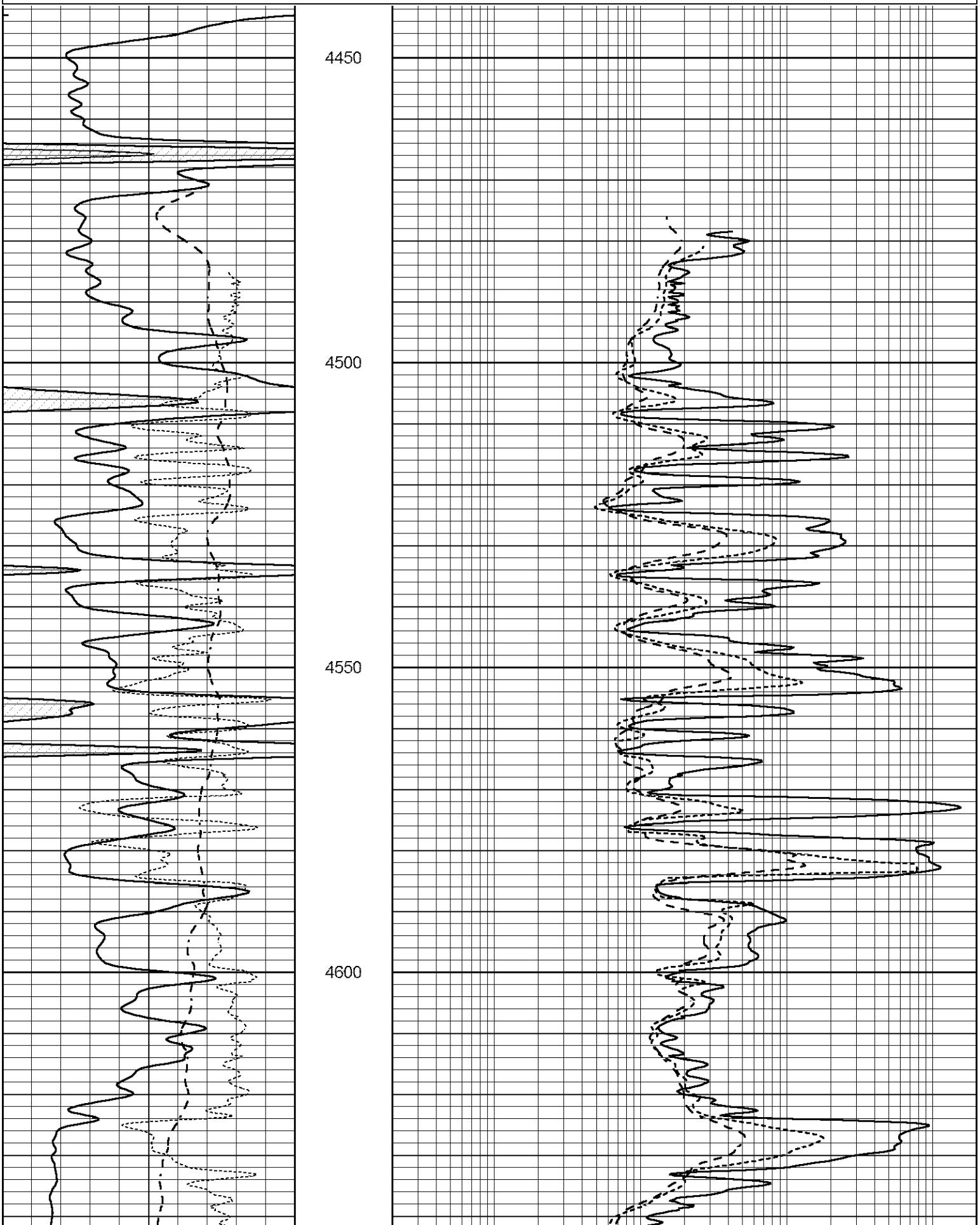
REPEAT SECTION

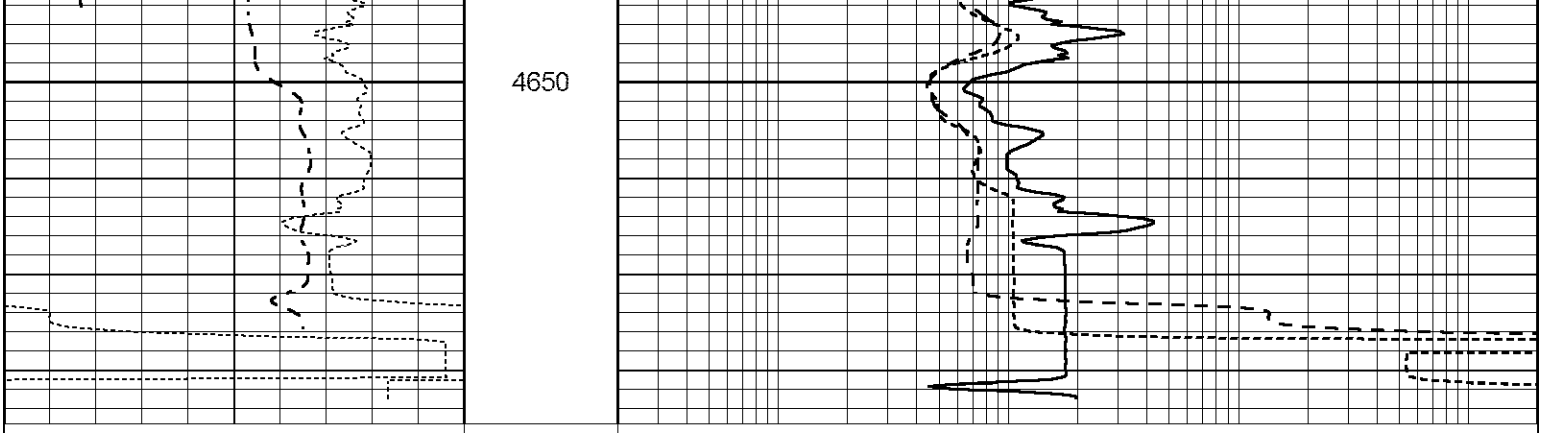
Database File	7229ddn.db
Dataset Pathname	pass2R
Presentation Format	_dil
Dataset Creation	Thu Oct 06 21:49:53 2022
Charted by	Depth in Feet scaled 1:240

Charted by Depth in Feet scaled 1:240

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

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





0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

Calibration Report

Database File 7229ddn.db
Dataset Pathname pass3MAIN
Dataset Creation Thu Oct 06 22:29:58 2022

Dual Induction Calibration Report

Serial-Model: FW1410-55-Probe
Surface Cal Performed: Thu Jun 30 01:48:00 2022
Downhole Cal Performed: Tue Feb 19 11:44:24 2019
After Survey Verification Performed: Tue Feb 19 11:44:27 2019

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.011	0.656	V	1.000	400.000	mmho/m	720.000	0.000
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	690.000	-10.500
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.007	0.649	V	0.000	400.000	mmho/m	623.784	-4.595
Medium	0.004	0.743	V	0.000	464.000	mmho/m	627.284	-2.251

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	-0.824	395.917	mmho/m	-0.976	397.550	mmho/m	1.004	-0.149
Medium	3.565	471.327	mmho/m	3.468	471.590	mmho/m	1.001	-0.099
LL3		7.503	V		1500.000	Ohm-m		
		0.001	V		20.000	Ohm-m		
		-7.481	V		3745.000	mmho-m		

After Survey Verification

	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.824	395.917	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	3.565	471.327	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		1500.000	Ohm-m		
		0.000	Ohm-m		20.000	Ohm-m		
		0.000	mmho-m		3745.000	mmho-m		

Litho Density Calibration Report

Litho Density Calibration Report
Serial: 140704
Model: V4_10P
Source Number: 74GBq-19

Master Calibration — Performed: Wed Jul 20 12:36:34 2022

	Background	Aluminum	Magnesium	
Window 1	503.67	5439.20	23645.11	cps
Window 2	40.11	1218.66	5702.60	cps
Window 4	221.18	1240.69	5295.43	cps
Window 5	542.56	7631.48	14305.13	cps
Window 6	41.67	1209.53	2345.40	cps
Window 8	256.91	2493.92	4591.85	cps
Bulk Density	-	2.6020	1.6830	g/cc
Pe	-	3.0000	2.5070	b/e

LS Alpha: : -1.8302 SS Alpha: : -0.7503 LS CPE: : 1.1699
LS Beta: : 122464.5983 SS Beta: : 16307.0478 SS CPE: : 1.6095

Before Survey Backround Counts Verification — Performed: Wed Dec 31 18:00:00 1969

Window 1	0.00	cps
Window 2	0.00	cps
Window 4	0.00	cps
Window 5	0.00	cps
Window 6	0.00	cps
Window 8	0.00	cps

After Survey Background Counts Verification — Performed: Wed Dec 31 18:00:00 1969

Window 1	0.00	cps
Window 2	0.00	cps
Window 4	0.00	cps
Window 5	0.00	cps
Window 6	0.00	cps
Window 8	0.00	cps

Lithodensity Caliper Calibration — Performed: Wed Jul 20 12:36:34 2022

Results Readings		References (in)			
Low	High	Low	High	Gain	Offset
15695.4	16161.4	8.0	14.0	0.0	-148.7

Before Survey Caliper Verification — Performed:

	Reference	Reading
Caliper (in)		

After Survey Caliper Verification — Performed:

	Reference	Reading
Caliper (in)		

Compensated Neutron Calibration Report

Compensated Neutron Calibration Report

Serial Number:	080621PMC
Tool Model:	NABORS

PRE-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

POST-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

Gamma Ray Calibration Report

Serial Number:	7	
Tool Model:	Probe1	
Performed:	Thu May 26 08:56:46 2022	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.5500	GAPI/cps