NABORS
COMPLETION & PRODUCTION SERVICES CO.

DUAL INDUCTION LOG

Company	PRAIRIE FIRE PETROLEUM, LLC.
Well	LONG "A" #1
Field	
County	DECATUR
State	KANSAS

Company PRAIRIE FIRE PETROLEUM, LLC.
Well LONG "A" #1
Field
County DECATUR State KANSAS
Location: API # : 15-039-21164
330' FSL & 890' FWL
SEC 11 TWP 2S RGE 27W

Other Services
CDL/CNL
MICRO

Permanent Datum GROUND LEVEL Elevation 2635
Log Measured From KELLY BUSHING 10' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2645
D.F.
G.L. 2635

Date	1-19-13		
Run Number	ONE		
Depth Driller	3780		
Depth Logger	3782		
Bottom Logged Interval	3780		
Top Log Interval	00		
Casing Driller	285		
Casing Logger	278		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.3 / 54		
pH / Fluid Loss	10.0 / 7.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.20 @ 60F		
Rmf @ Meas. Temp	0.90 @ 60F		
Rmc @ Meas. Temp	1.44 @ 60F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.640 @ 113F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	7:45 P.M.		
Maximum Recorded Temperature	113F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	CLAYTON ERICKSON		

<<< Fold Here >>>

Comments

NABORS COMPLETION & PRODUCTION SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: NORCATUR, 7W TO RD. #12E, 4N, 1W, N INTO.

NABORS
COMPLETION & PRODUCTION

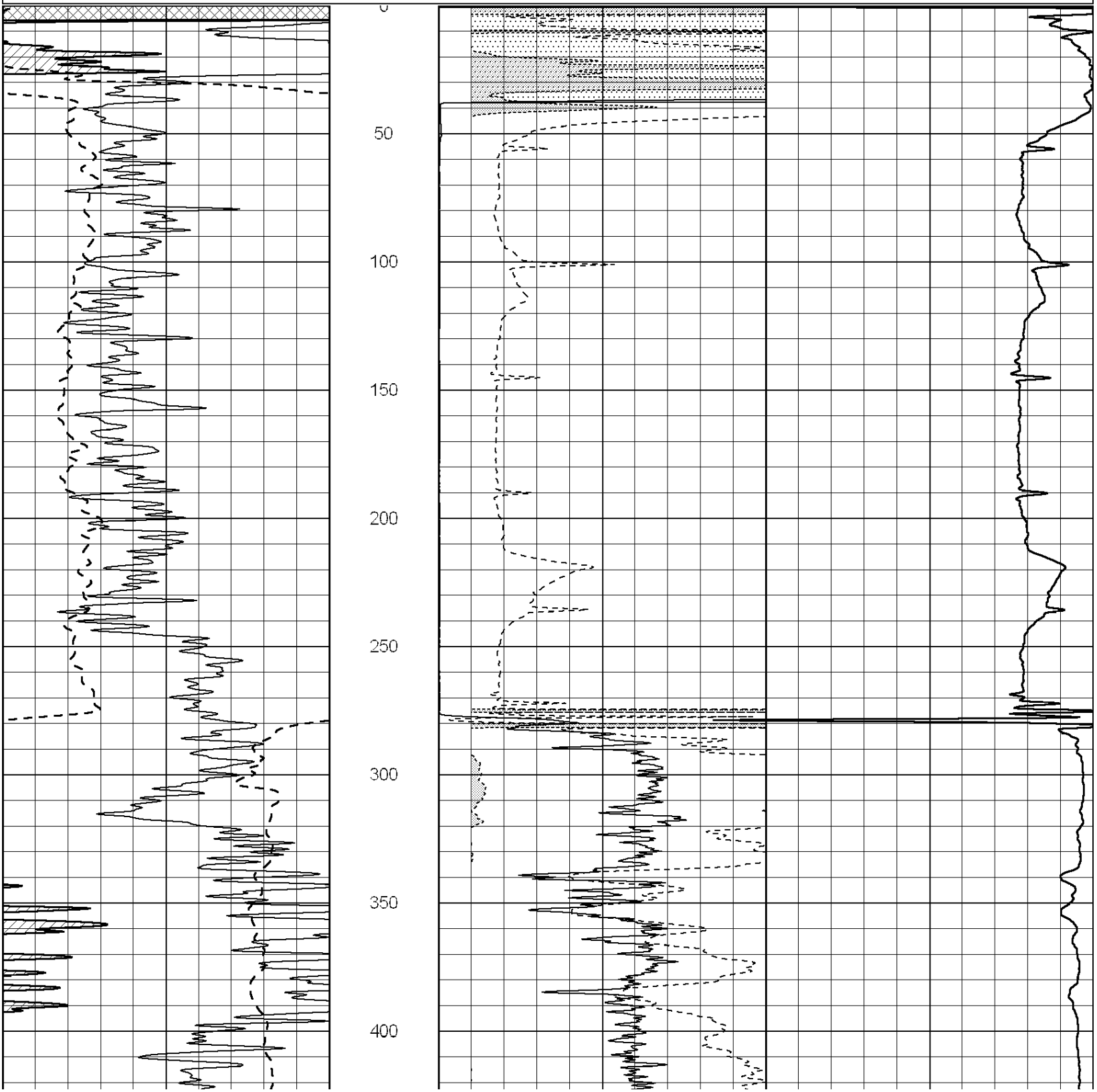
MAIN SECTION

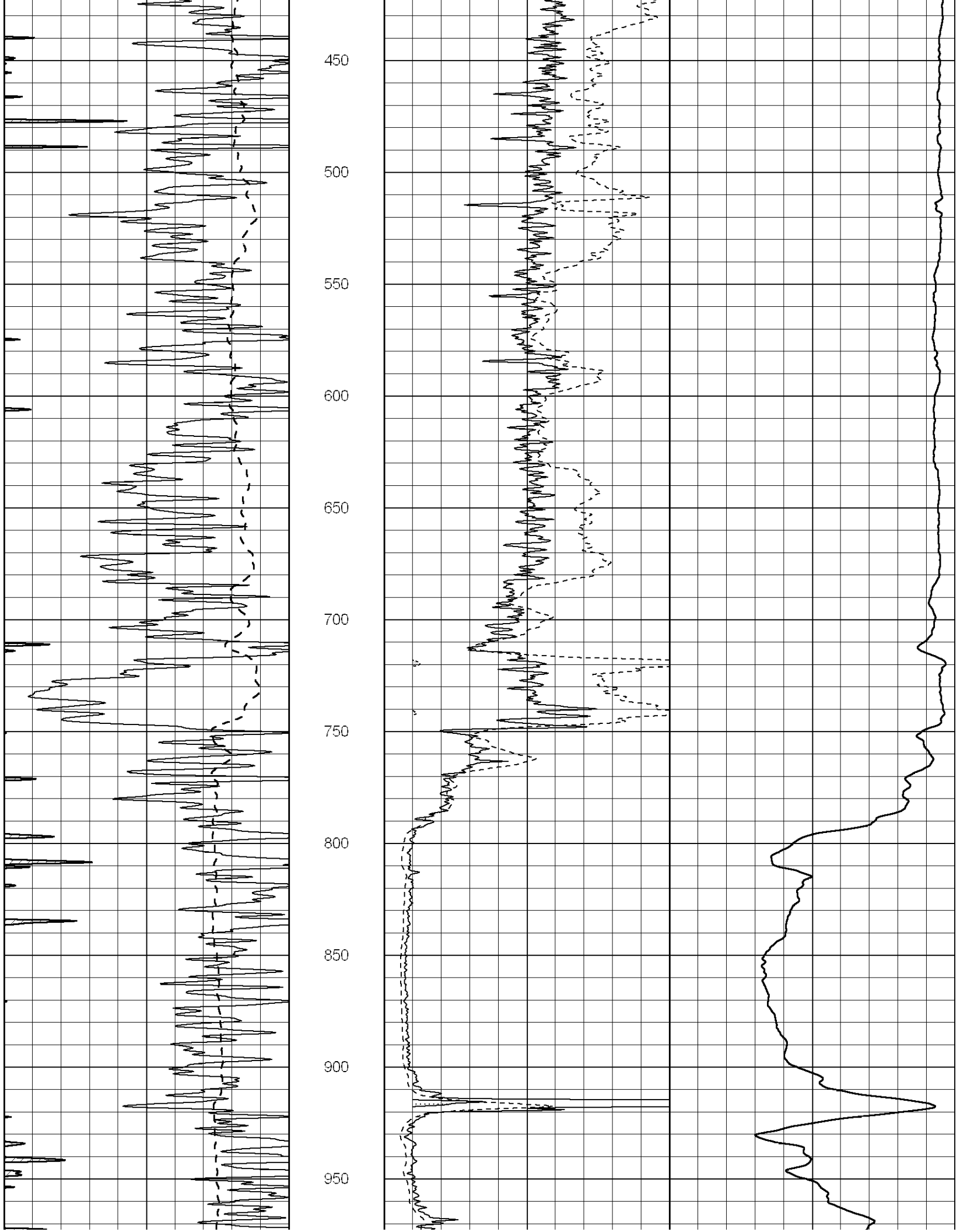
& PRODUCTION
SERVICES CO.

Database File: 010654ddn.db
Dataset Pathname: pass7A
Presentation Format: dil2
Dataset Creation: Sat Jan 19 21:40:01 2013
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150

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

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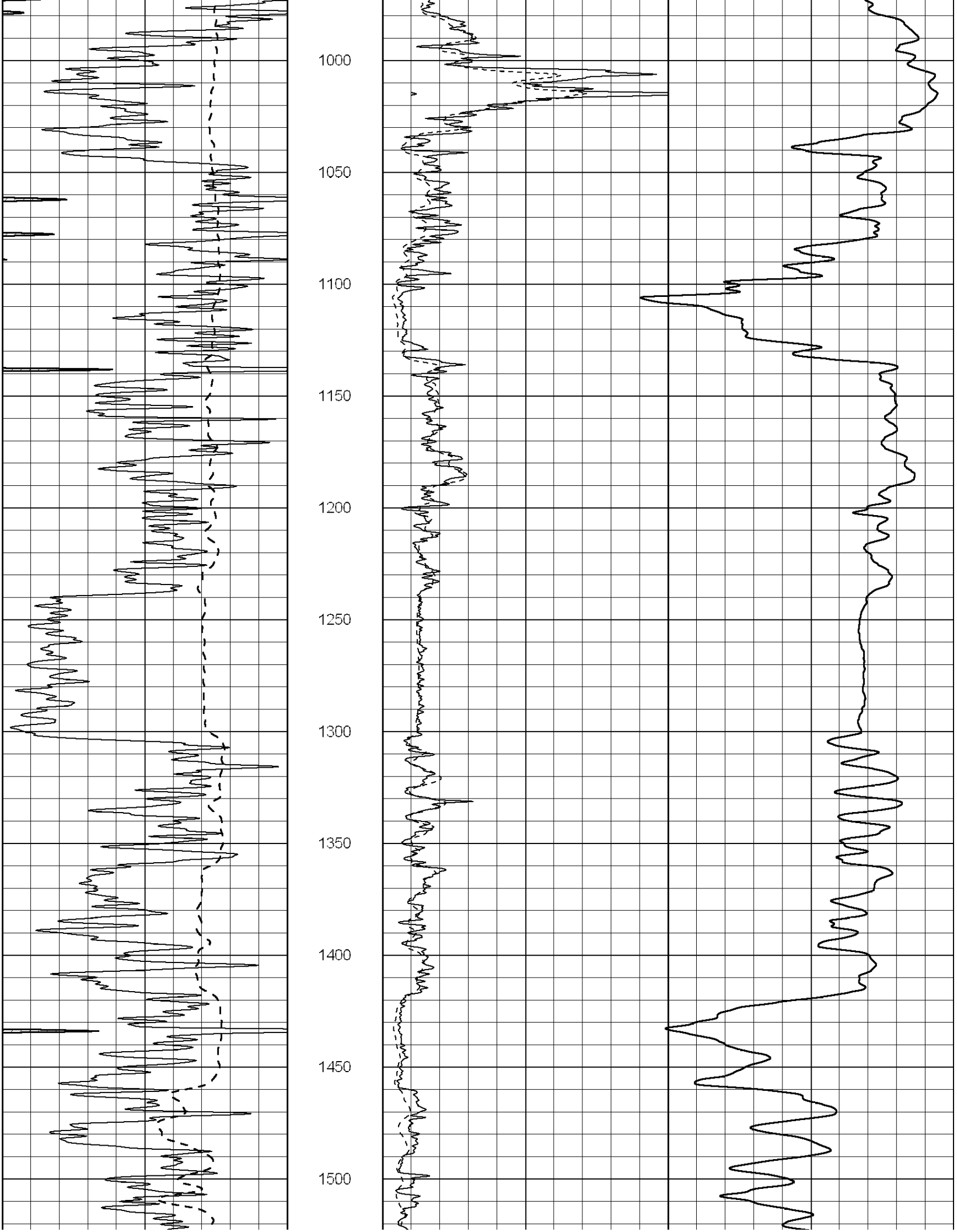
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1400
1450
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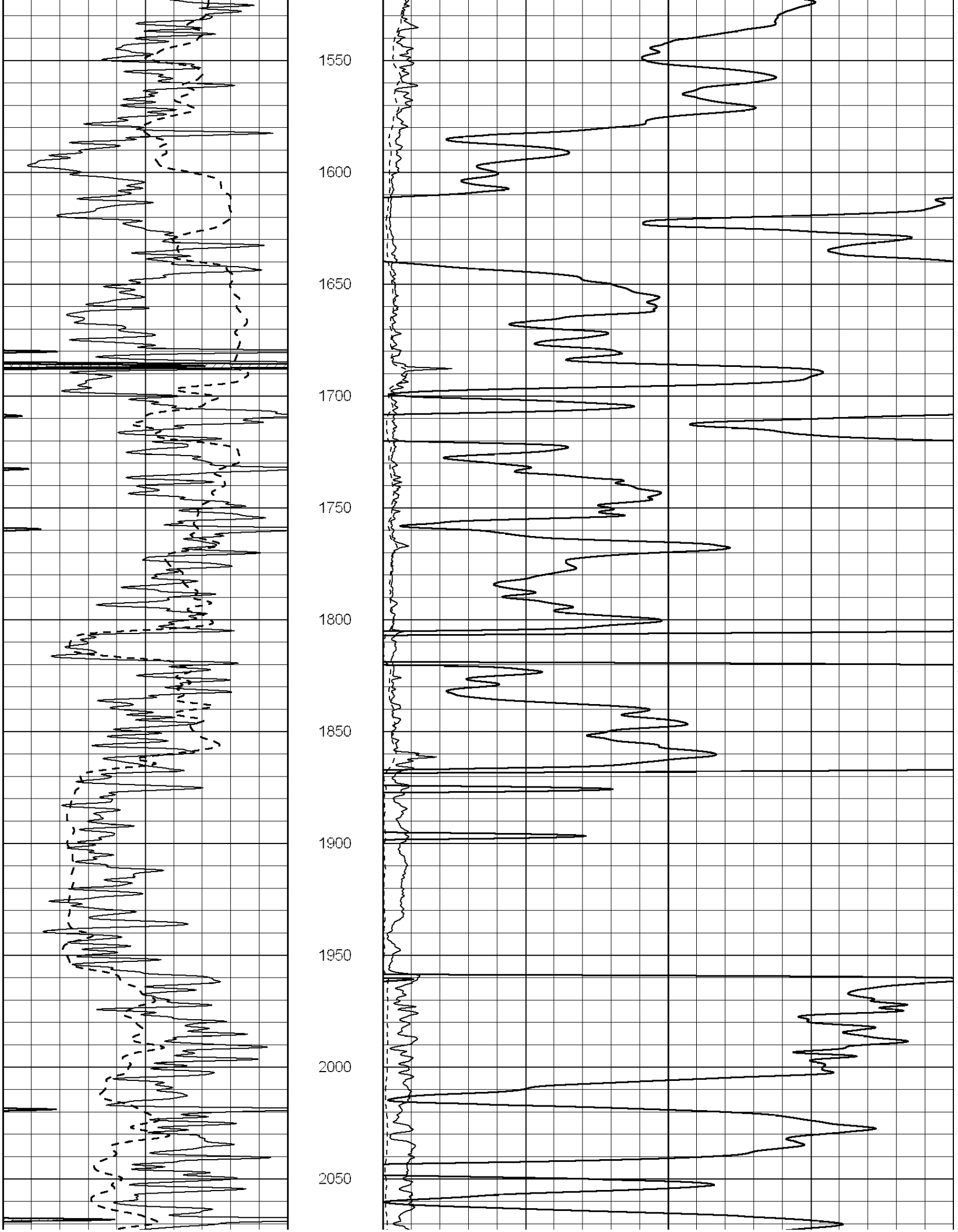
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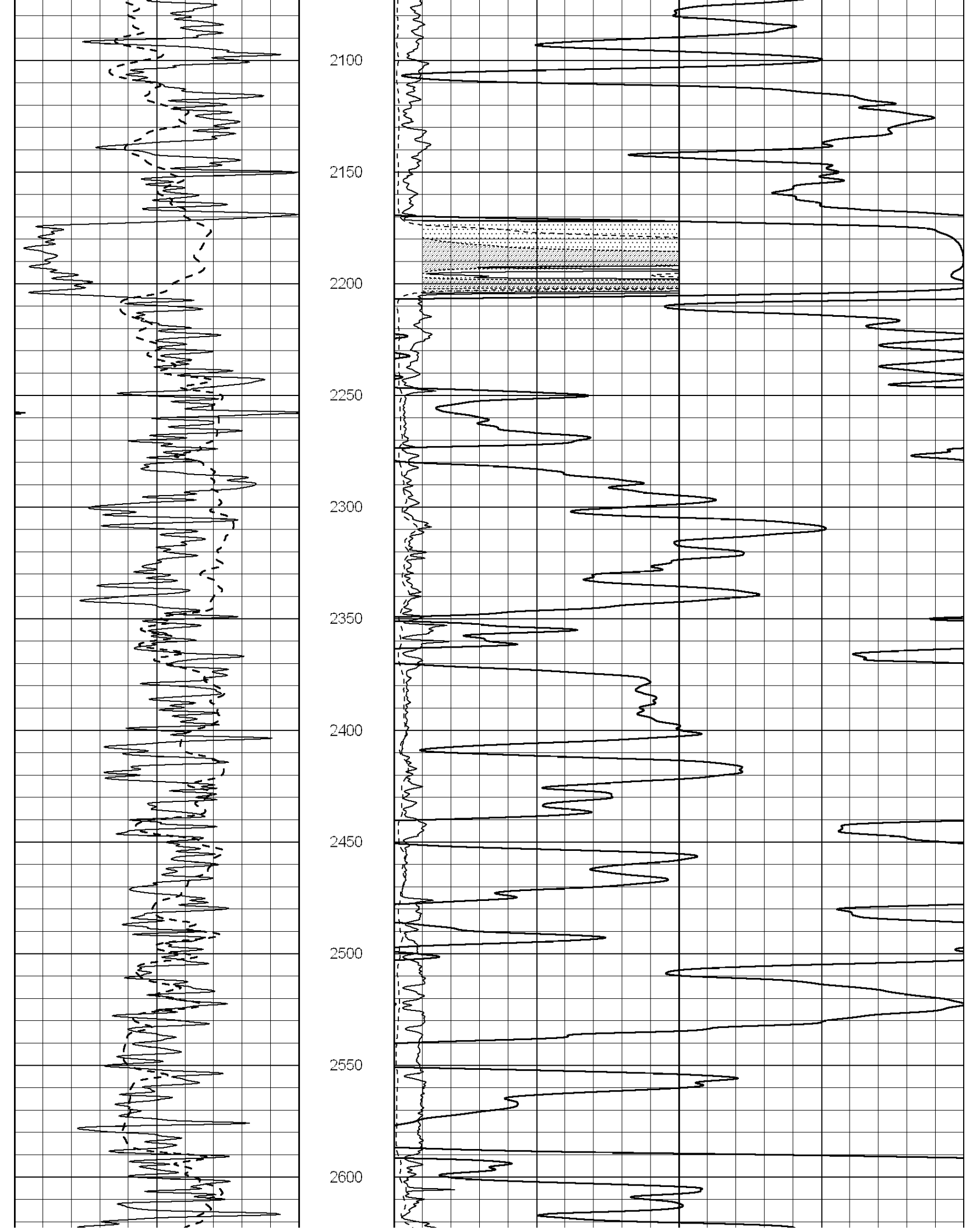
2050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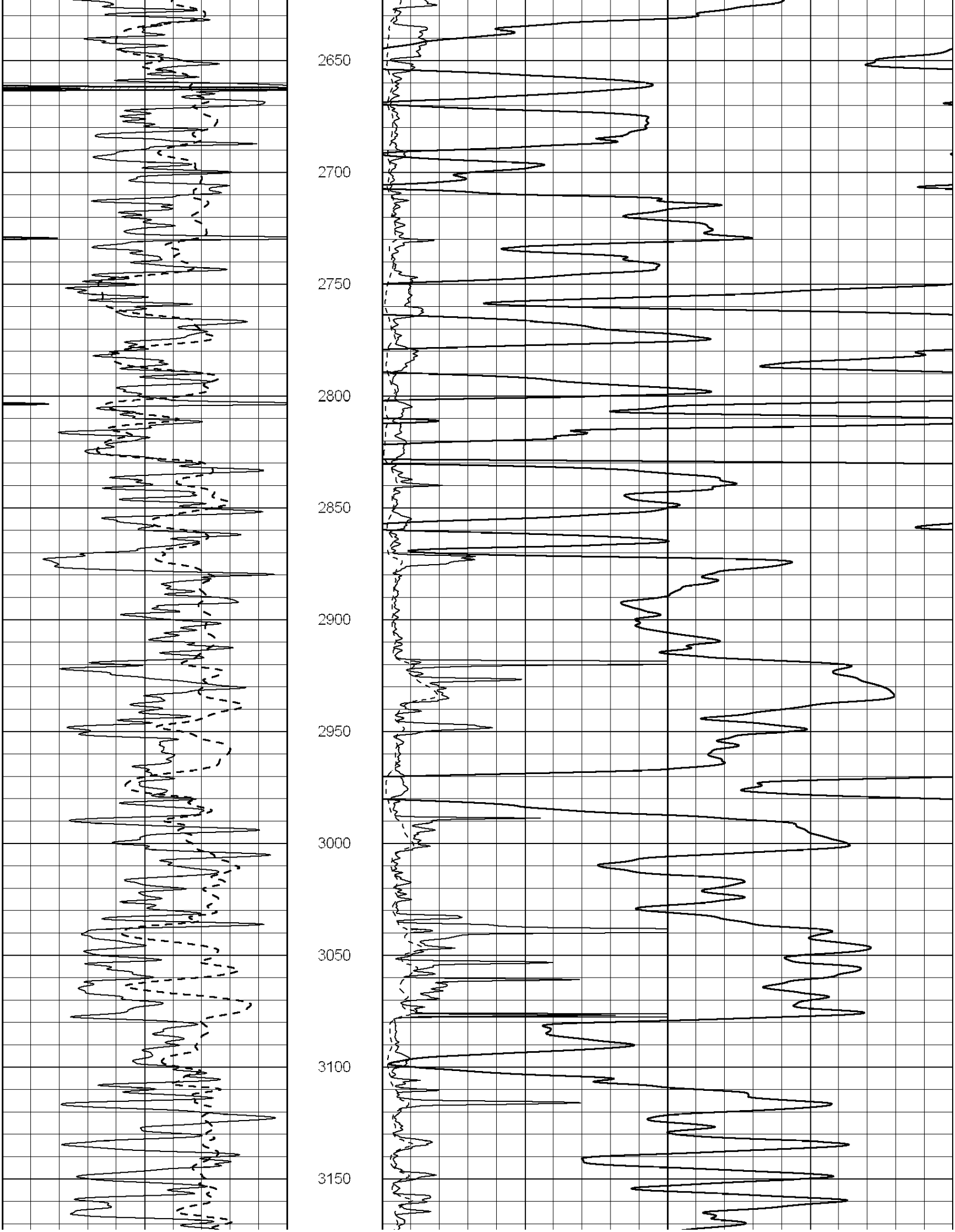
2500
2550
2600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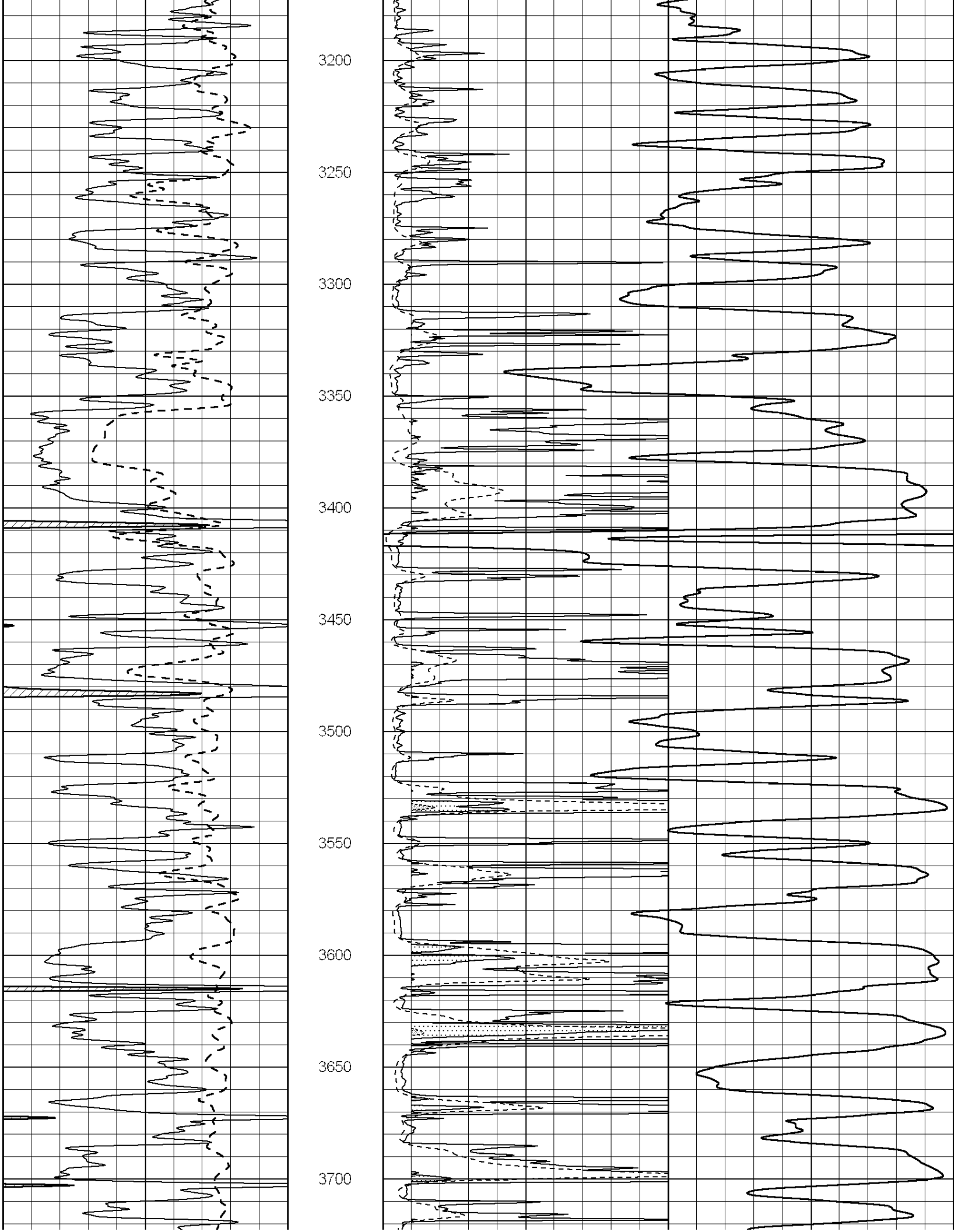
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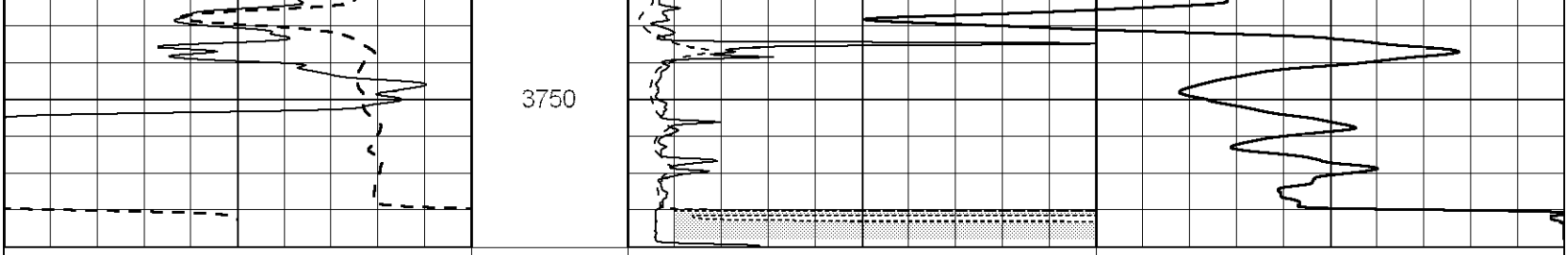


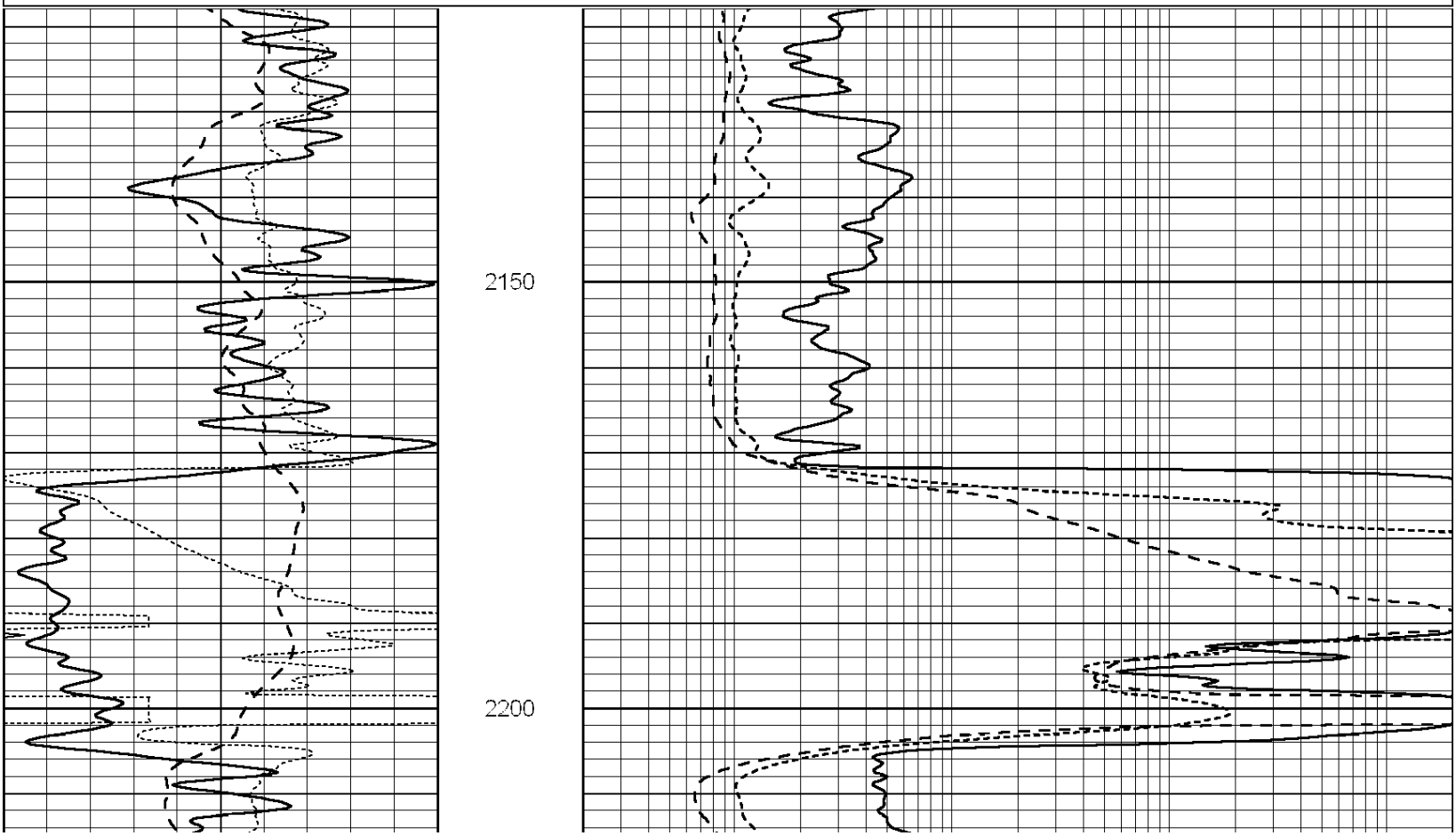
NABORS
COMPLETION & PRODUCTION SERVICES CO.

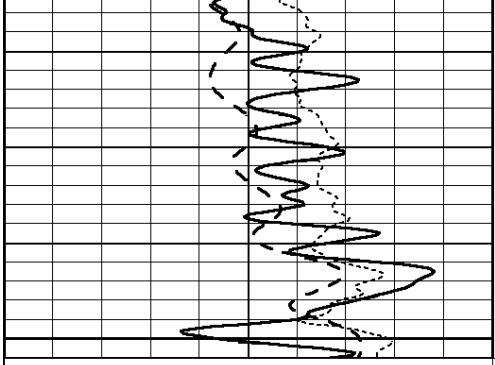
MAIN SECTION

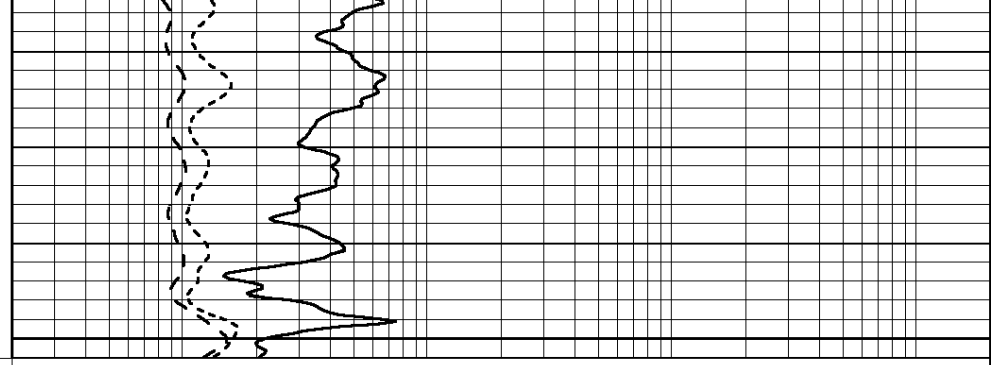
Database File: 010654ddn.db
Dataset Pathname: pass7A
Presentation Format: dil
Dataset Creation: Sat Jan 19 21:40:01 2013
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000







2250

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

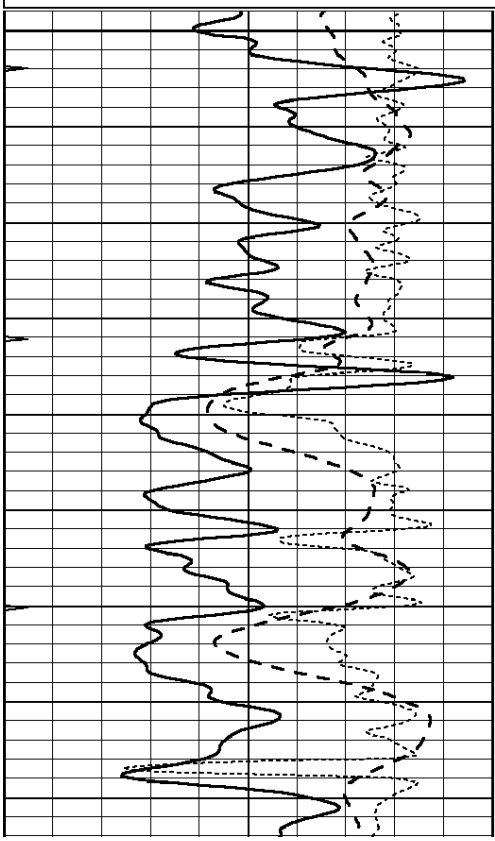
NABORS
COMPLETION & PRODUCTION SERVICES CO.

MAIN SECTION

Database File:	010654ddn.db
Dataset Pathname:	pass7A
Presentation Format:	dil
Dataset Creation:	Sat Jan 19 21:40:01 2013
Charted by:	Depth in Feet scaled 1:240

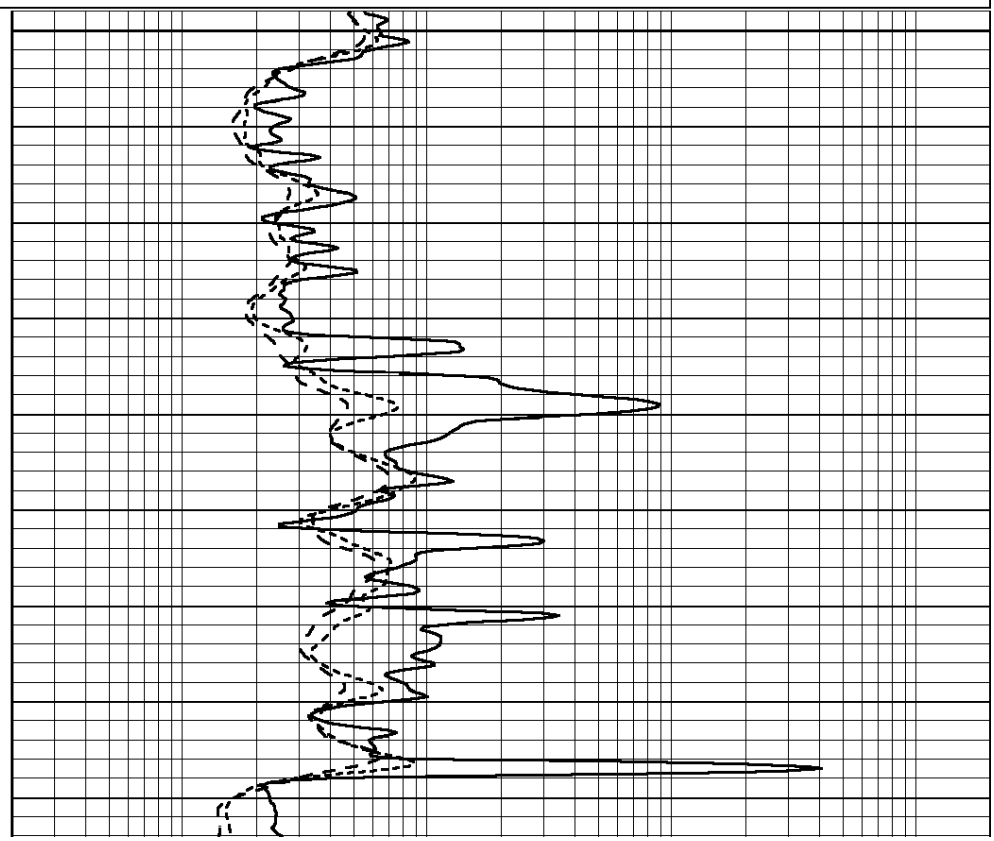
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

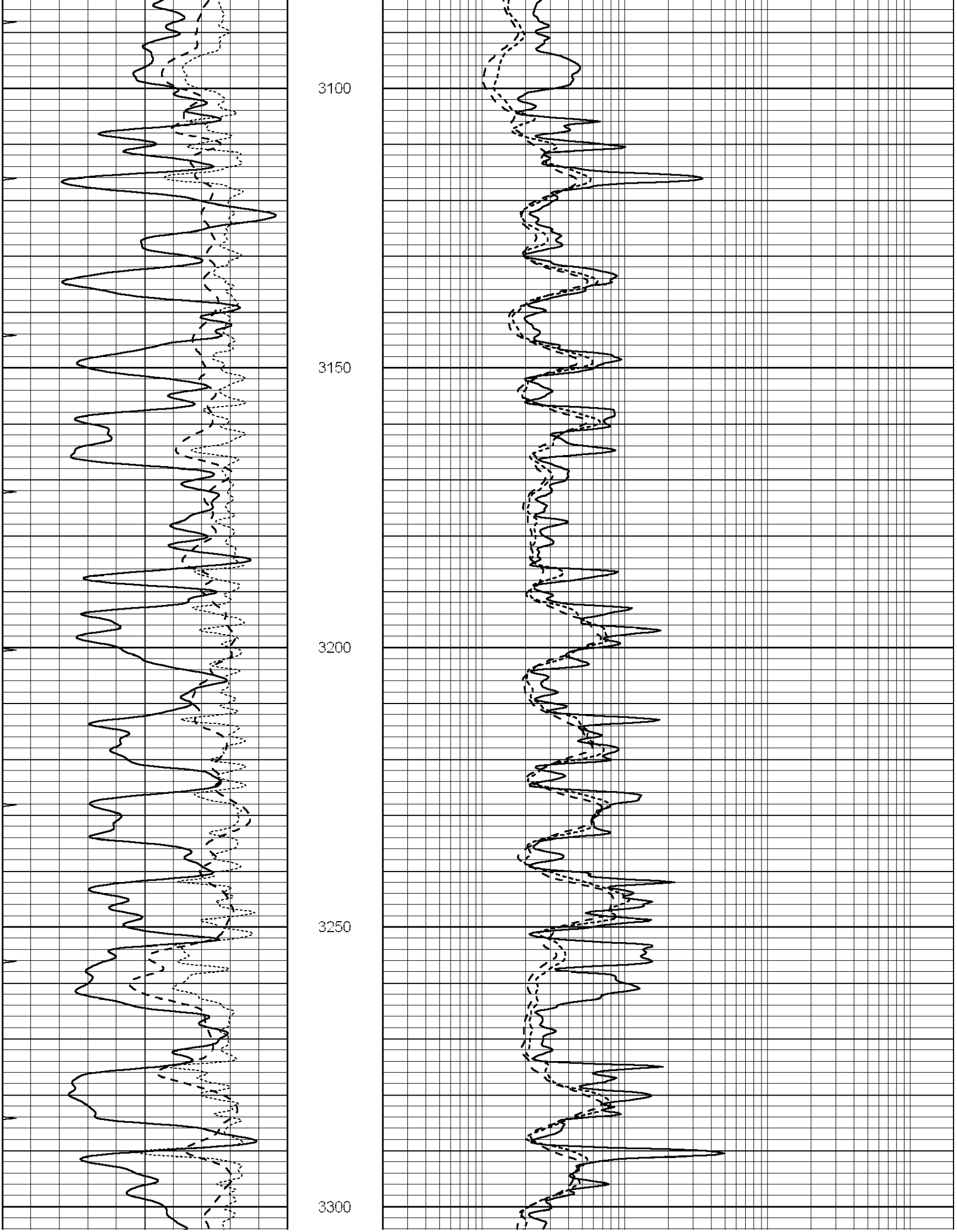
0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



3000

3050

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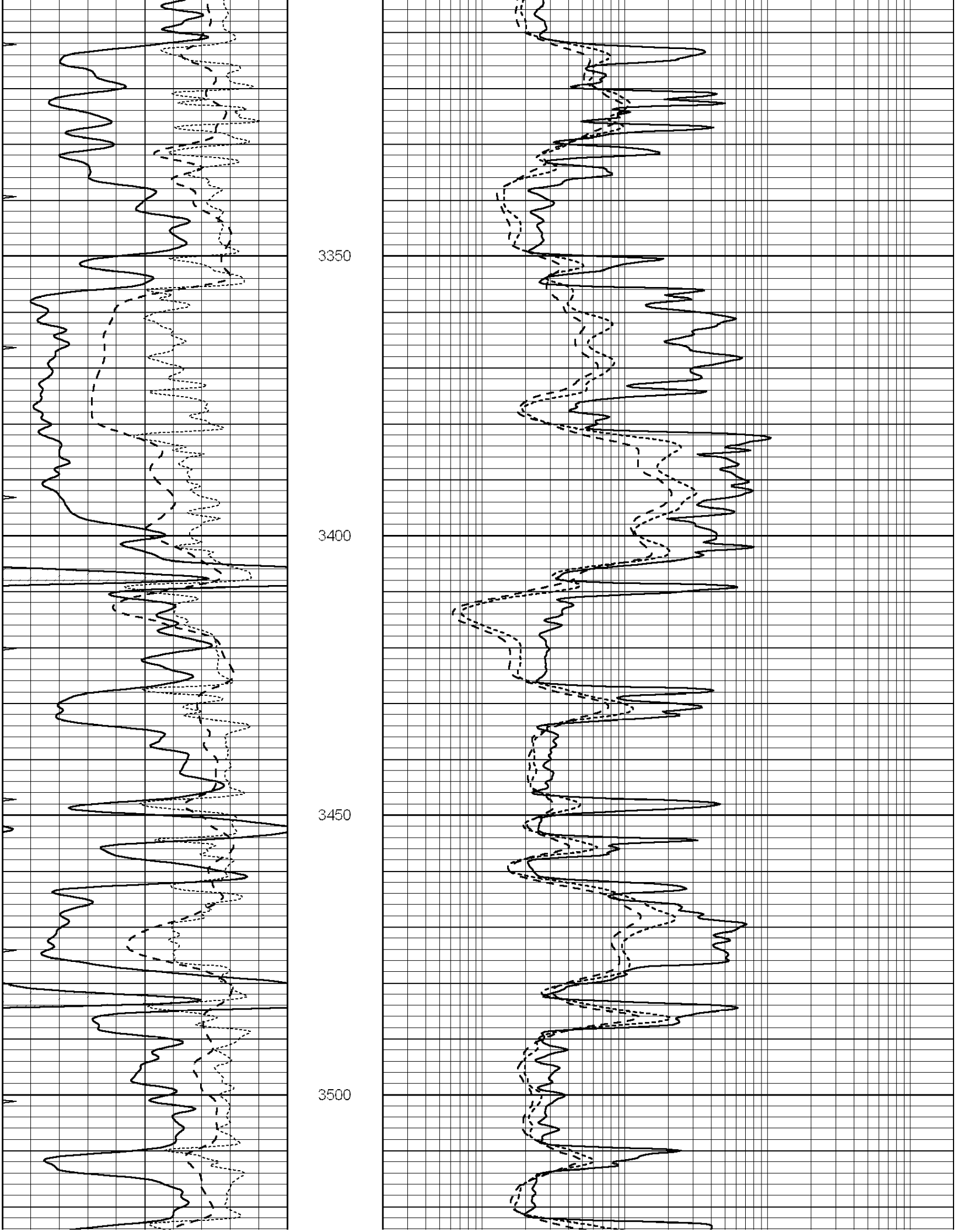
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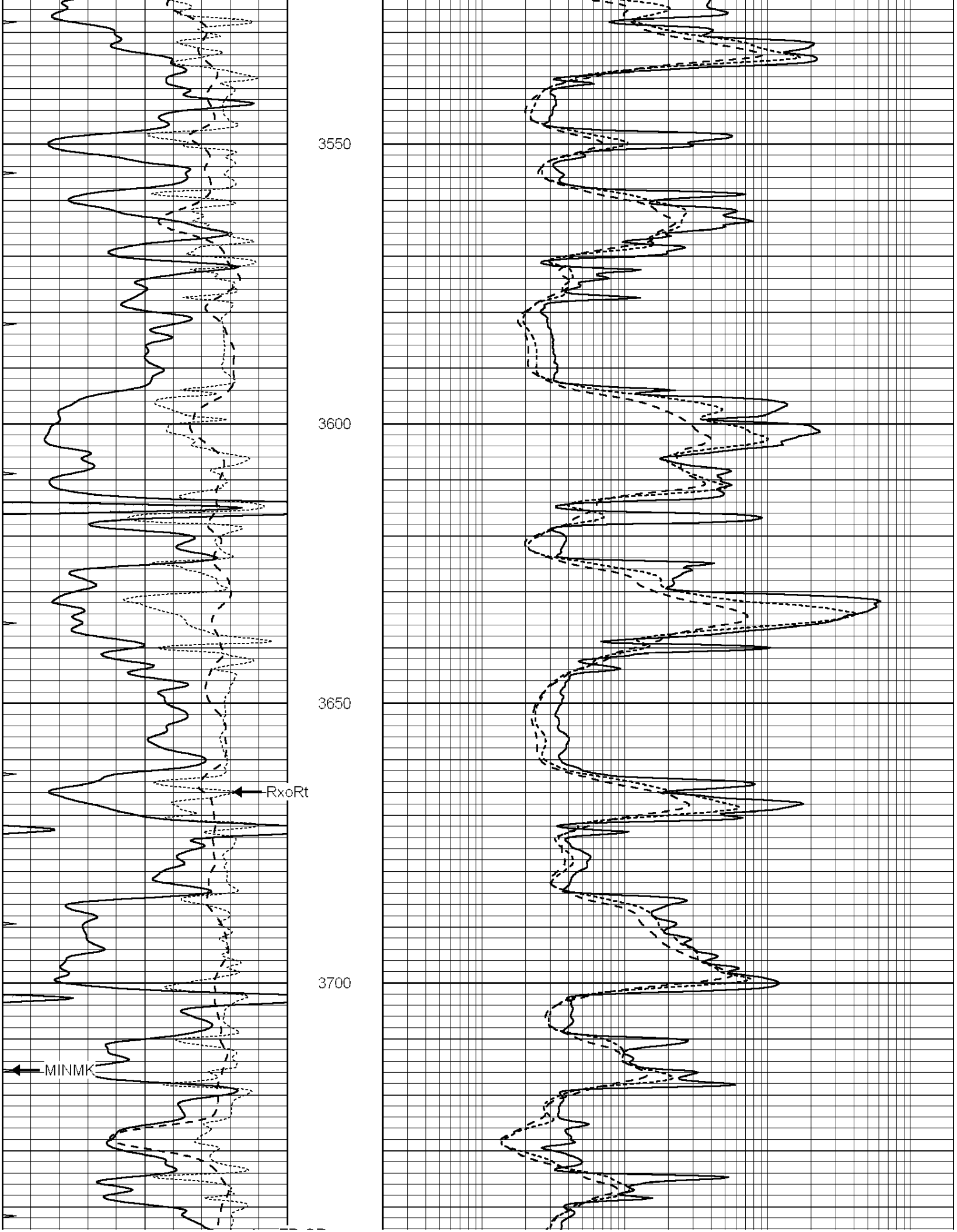
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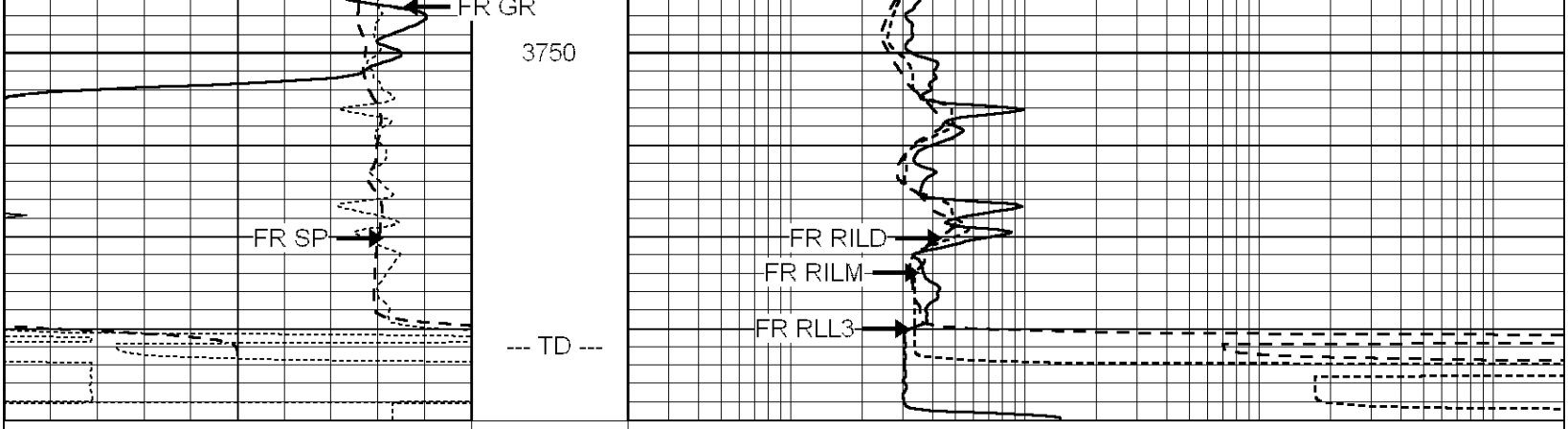
3600
3650
RxoRt
3700
MINMK



0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

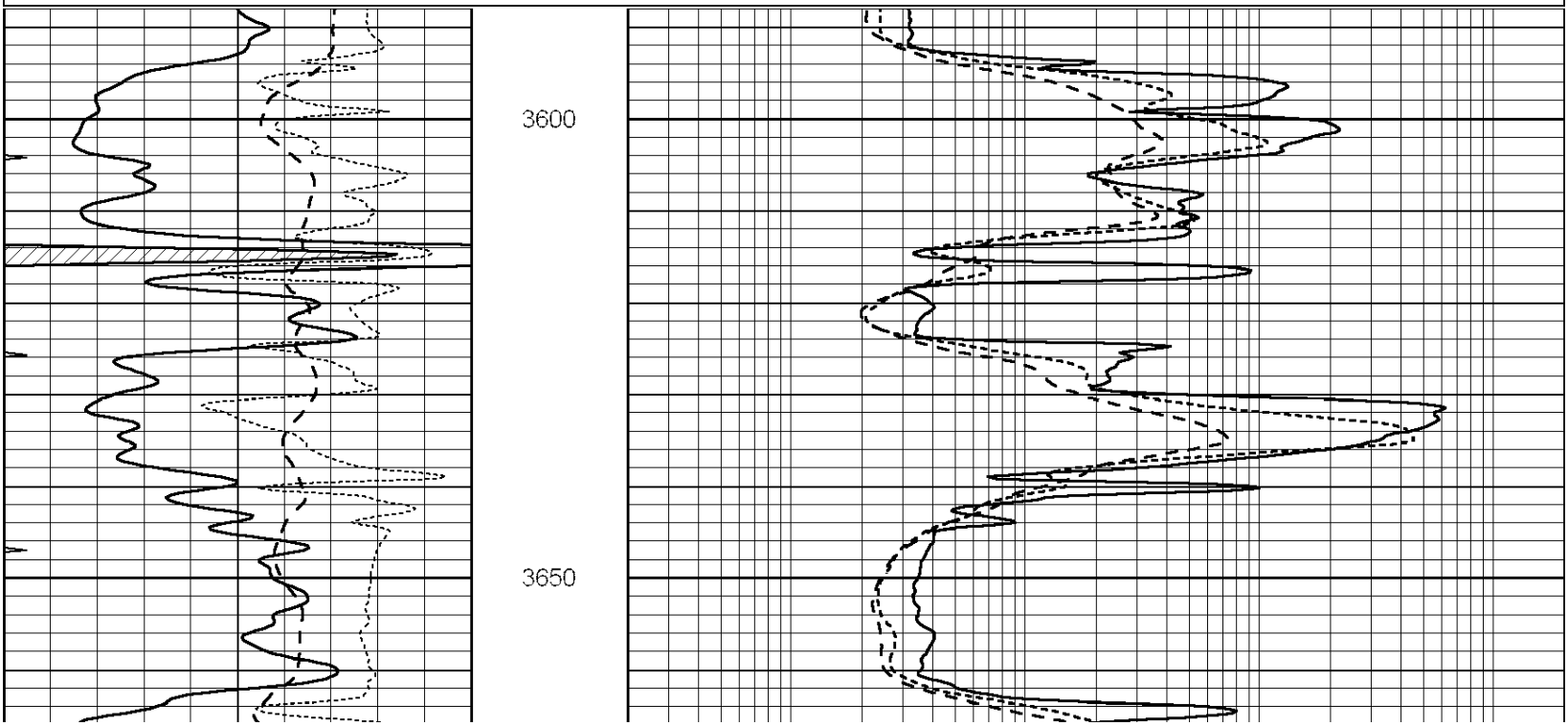
NABORS
COMPLETION & PRODUCTION SERVICES CO.

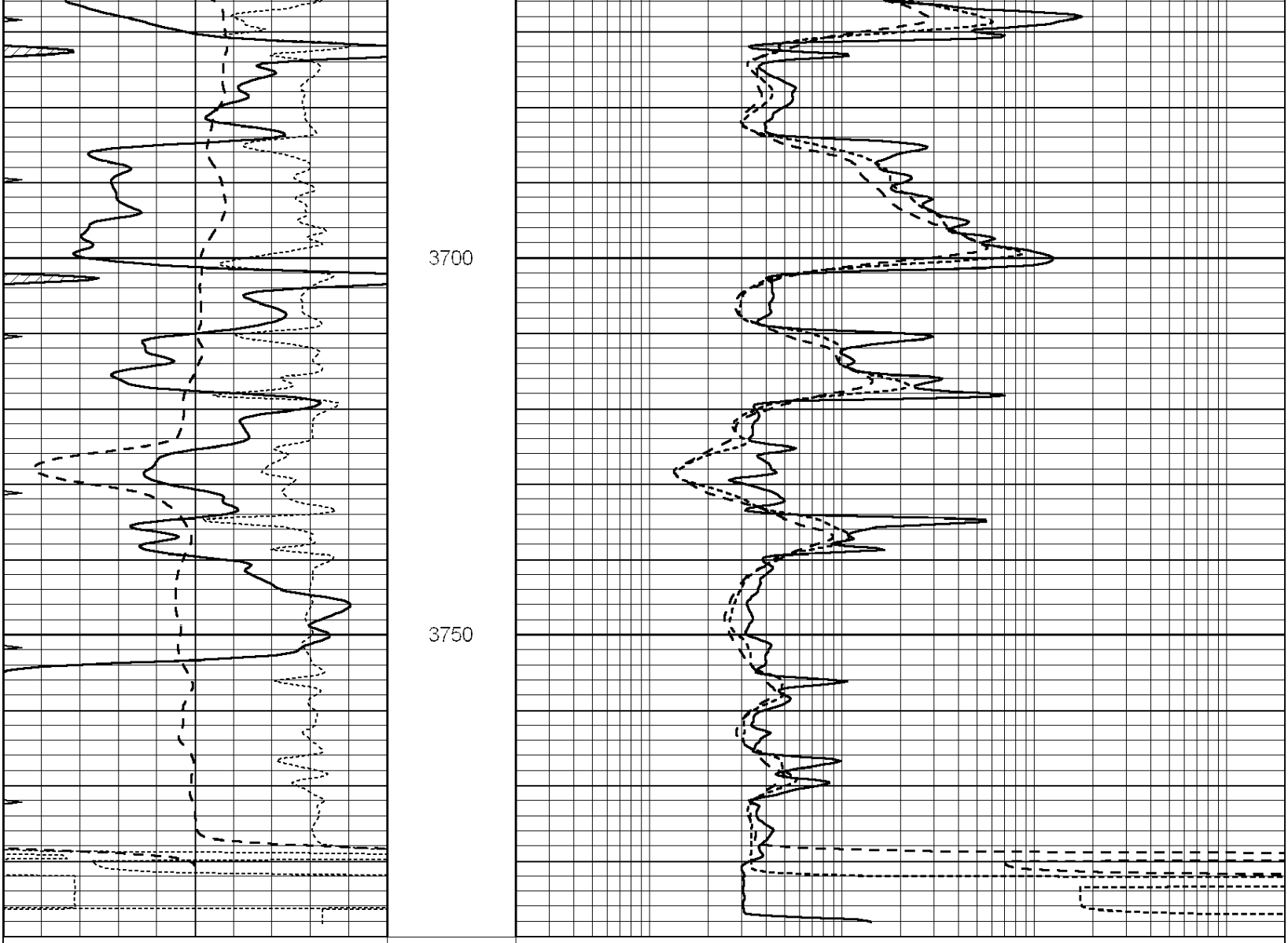
REPEAT SECTION

Database File:	010654ddn.db
Dataset Pathname:	pass6A
Presentation Format:	dil
Dataset Creation:	Sat Jan 19 21:48:35 2013
Charted by:	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000





Calibration Report

Database File: 010654ddn.db
Dataset Pathname: pass7A
Dataset Creation: Sat Jan 19 21:40:01 2013

Dual Induction Calibration Report

Serial-Model:	PROBE7-DILG
Surface Cal Performed:	Sat Jan 19 20:58:30 2013
Downhole Cal Performed:	Sat Jan 19 19:51:38 2013
After Survey Verification Performed:	Sat Jan 19 19:51:38 2013

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.793	0.790	V	0.000	400.000	mmho/m	670.000	-6.000
Medium	0.992	1.002	V	0.000	464.000	mmho/m	700.000	-55.000

Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.041	0.642	V	0.000	400.000	mmho/m	664.874	-27.011
Medium	0.035	0.802	V	0.000	464.000	mmho/m	604.936	-21.367

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	135384.000	27094.500	mmho/m	135400.000	27082.400	mmho/m	1.000	-19.259
Medium	-47330.100	-9381.740	mmho/m	-47327.100	-9389.280	mmho/m	1.000	-10.154
LL3		7.322	V		1400.000	Ohm-m		
		0.038	V		20.000	Ohm-m		
		-7.273	V		4000.000	mmho-m		

After Survey Verification

	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	135384.000	27094.500	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	-47330.100	-9381.740	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		1400.000	Ohm-m		
		0.000	Ohm-m		20.000	Ohm-m		
		0.000	mmho-m		4000.000	mmho-m		

Compensated Density Calibration Report

Serial-Model: GEAR1-GEARHART
Source / Verifier: 147 / 147
Master Calibration Performed: Sat Jan 19 20:58:11 2013

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1205.77	610.74	cps
Aluminum	2.590	g/cc	271.21	419.72	cps

Spine Angle = 75.89 Density/Spine Ratio = 0.572

	Size		Reading	
Small Ring	7.70	in	4.69	V
Large Ring	14.00	in	6.52	V

Compensated Neutron Calibration Report

Serial Number: NUE_2I
Tool Model: G

CALIBRATION

Detector	Readings		Target		Normalization
Short Space	1.00	cps	1.00	cps	1.0000
Long Space	1.00	cps	1.00	cps	1.0000

Gamma Ray Calibration Report

Serial Number: GR5
Tool Model: OPEN
Performed: Sat Jan 19 20:57:48 2013

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity:	2.7000	GAPI/cps