COMPENSATED DENSITY / NEUTRON LOG

Company ANCHOR BAY PETROLEUM, LLC.
Well SANDY #1
Field HERR
County RUSH State KANSAS

Location: API # : 15-165-22177-0000
3064' FSL & 3959' FEL
NW - SW - SE - NW

SEC 13 TWP 16S RGE 18W

Other Services
DIL/MEL
SONIC

Elevation
K.B. 2007
D.F. 2005
G.L. 2002

Permanent Datum GROUND LEVEL Elevation 2002
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

Company ANCHOR BAY PETROLEUM, LLC.
Well SANDY #1
Field HERR
County RUSH
State KANSAS

Date	10/21/21		
Run Number	ONE		
Depth Driller	3630		
Depth Logger	3632		
Bottom Logged Interval	3608		
Top Log Interval	2700		
Casing Driller	8 5/8"@1132'		
Casing Logger	1132		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 6,400 PPM	
Density / Viscosity	9.4/60		
pH / Fluid Loss	10.0/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.660@59F		
Rmf @ Meas. Temp	.495@59F		
Rmc @ Meas. Temp	.792@59F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.345@113F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	11:00 A.M.		
Maximum Recorded Temperature	113F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	ED GLASSMAN		

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Comments

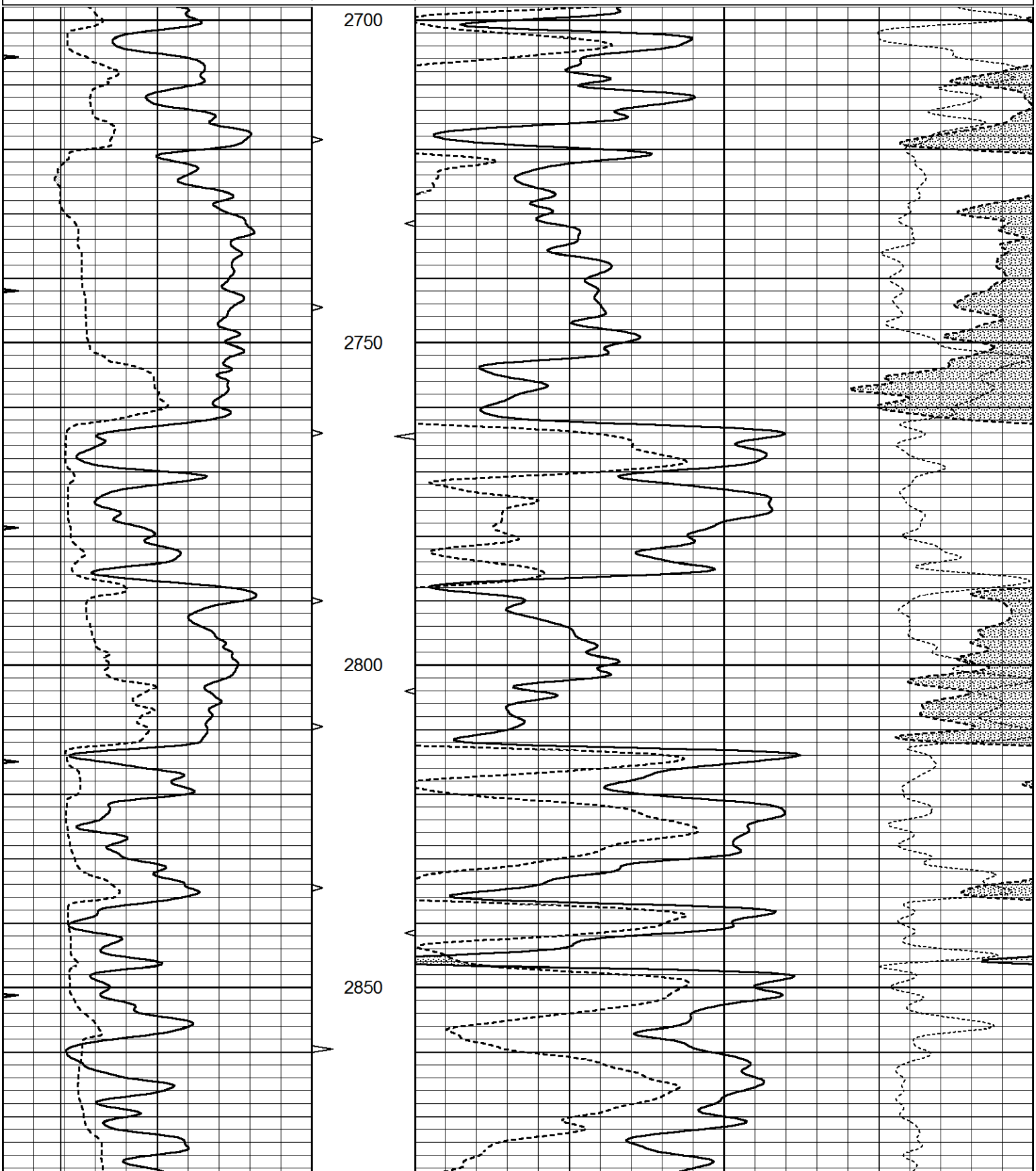
15-165-22177-0000

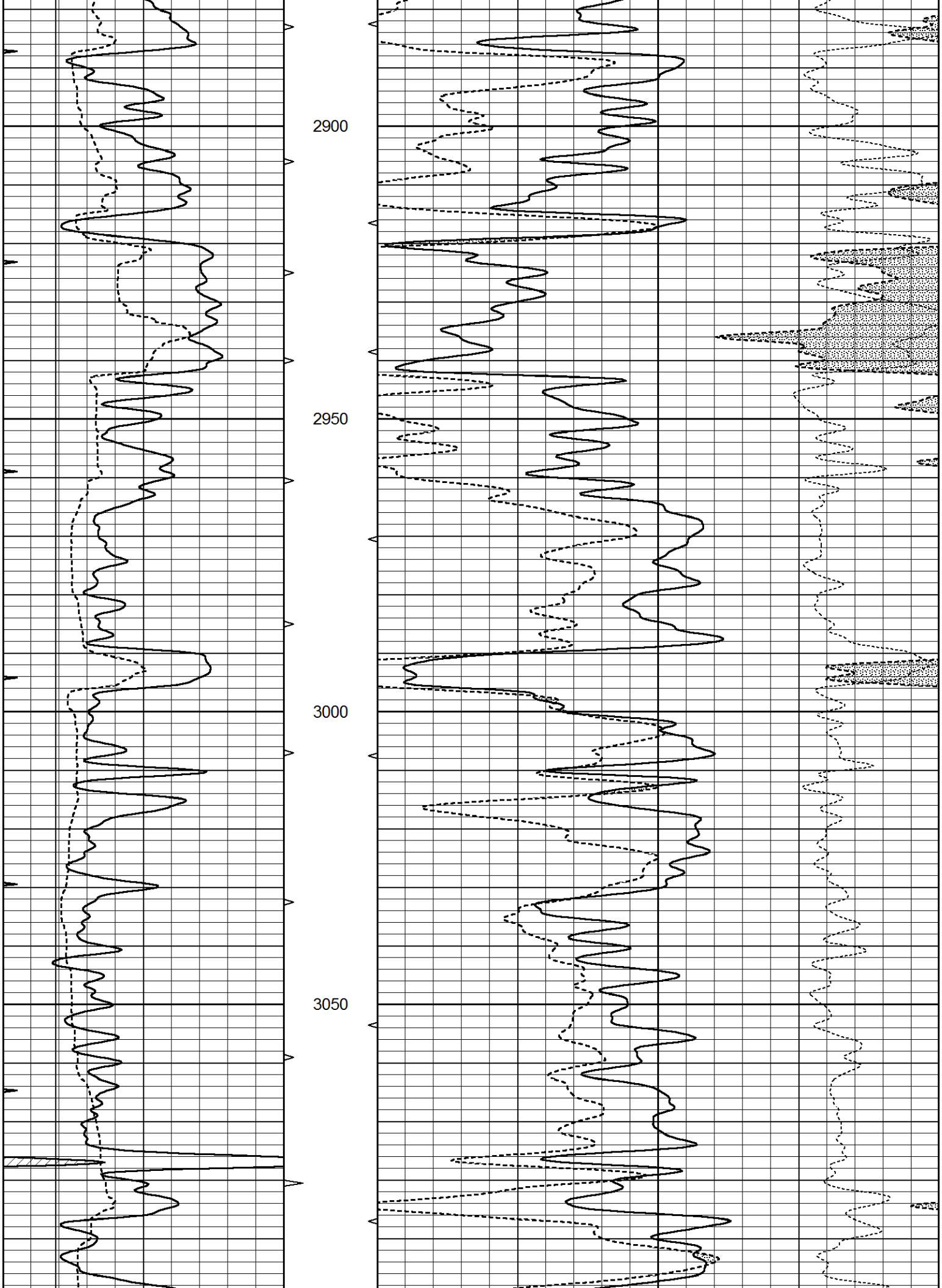
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
LIEBENTHAL, KS., 2 1/2E. ON BLKTOP TO "RD 270", 1/2N., E. INTO @SHED

MAIN SECTION

Database File	5673ddn.db
Dataset Pathname	pass3.1M
Presentation Format	den_neu
Dataset Creation	Thu Oct 21 12:30:27 2021
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu) -10
6	DCAL (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu) -10
0	MINMK	20	TBHV	-0.25	CORRECTION (g/cc) 0.25
			0 (ft3) 10		

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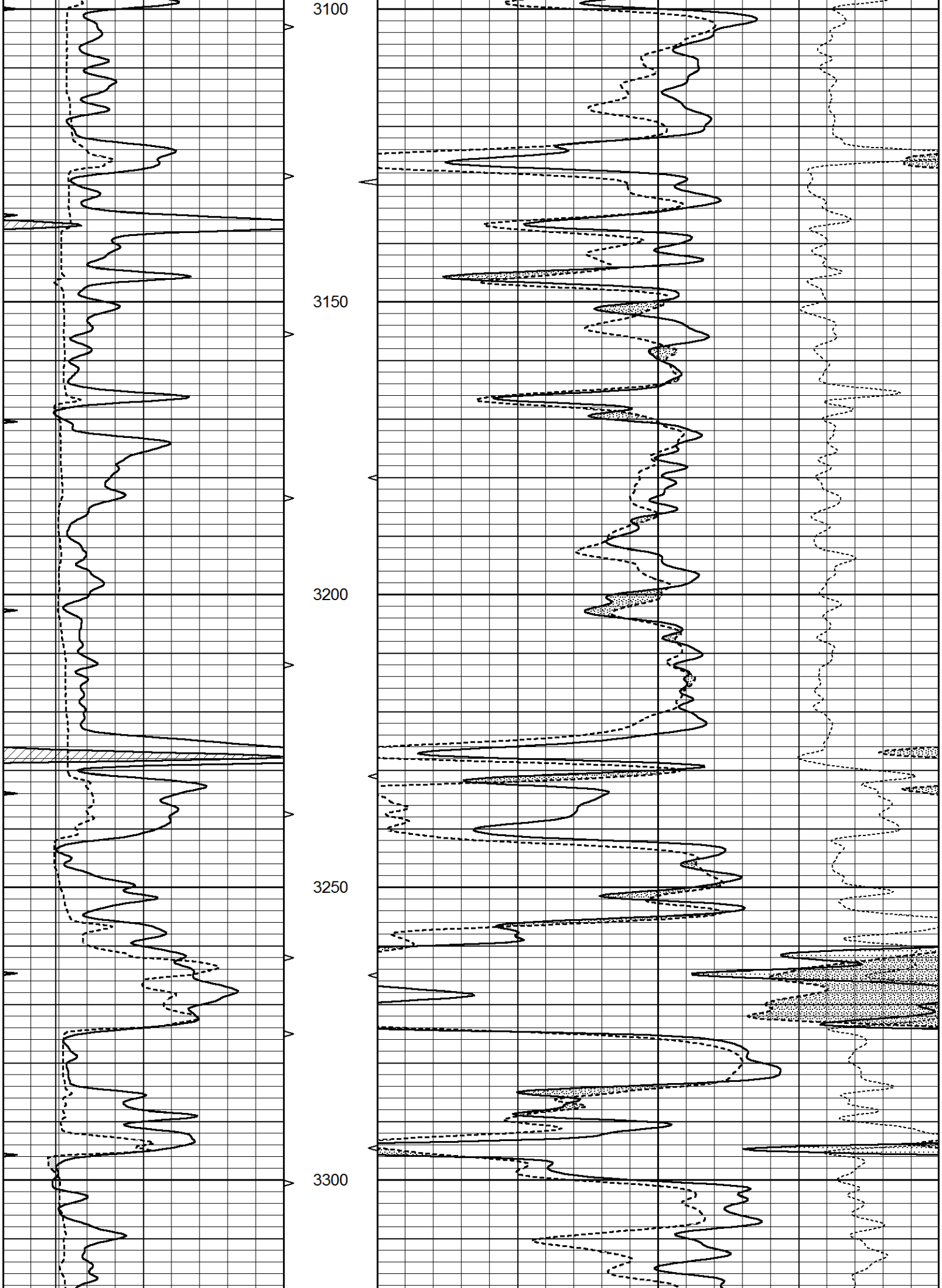
2950
3000
3050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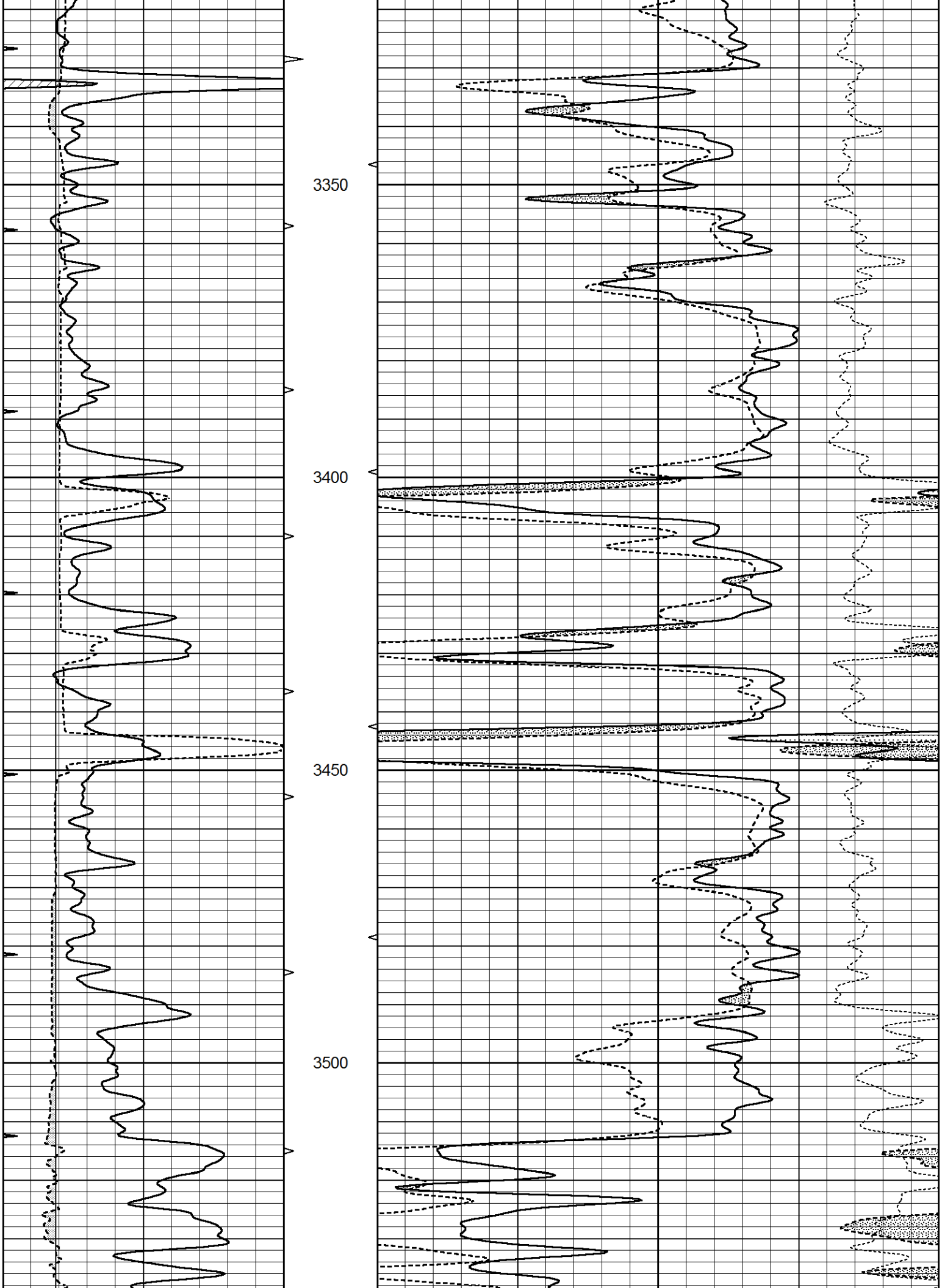
3150
3200
3250
3300


3350
3400
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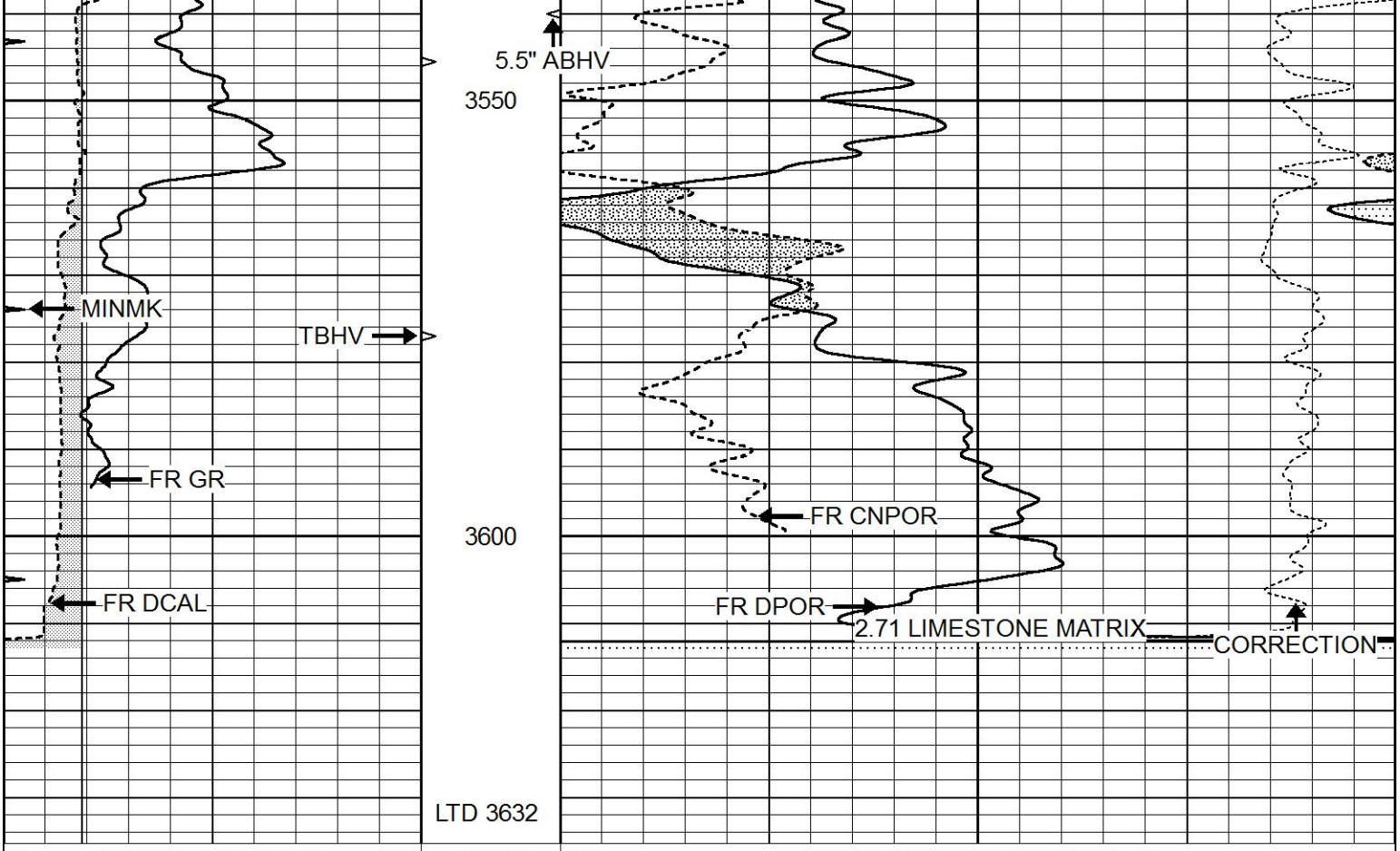
3500

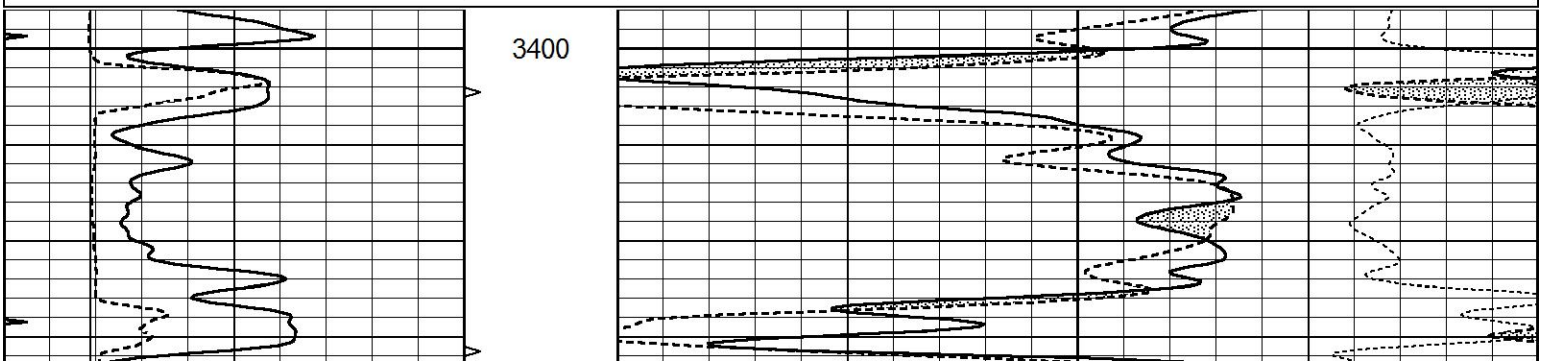


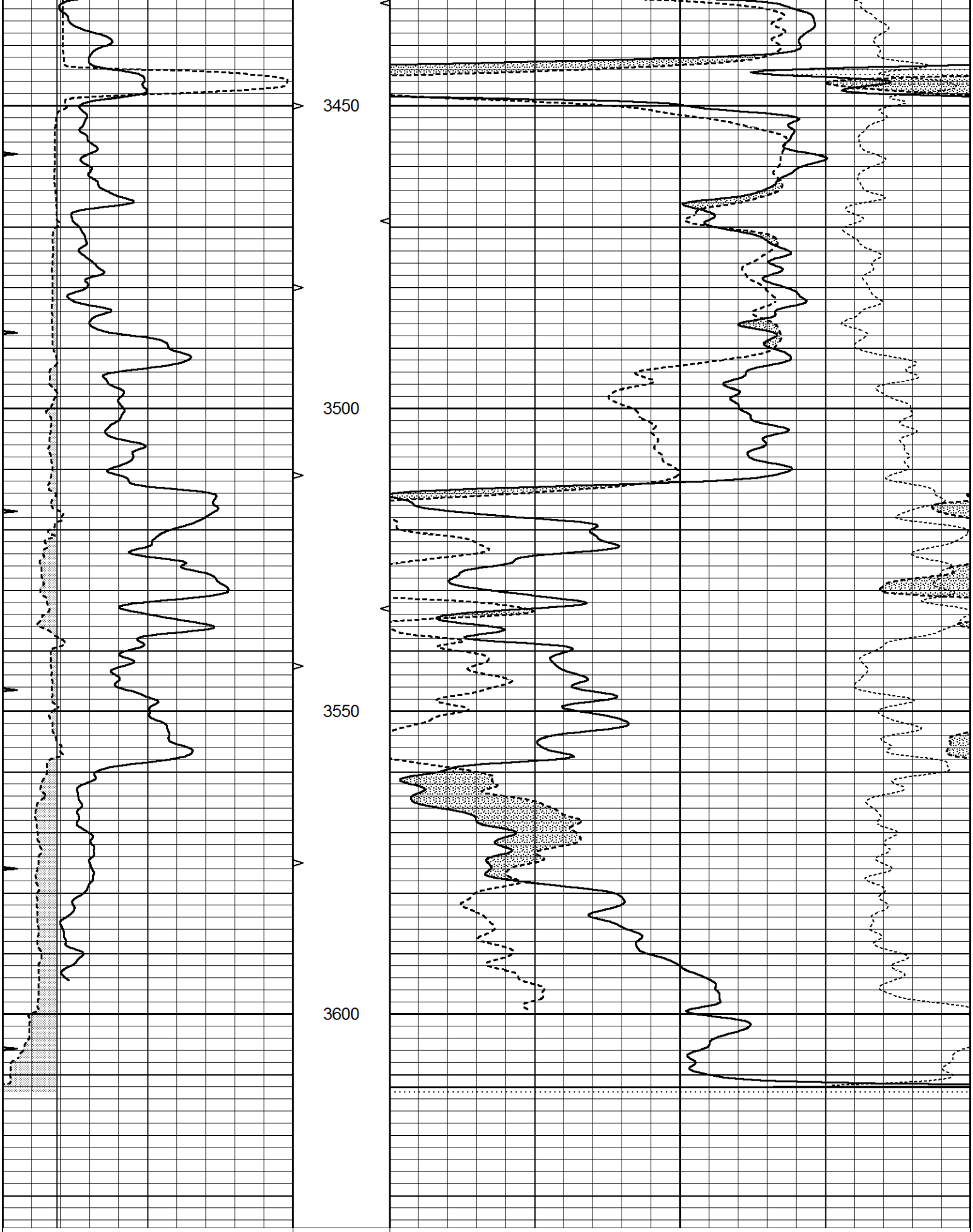
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)		-10
6	DCAL (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)		-10
0	MINMK	20	TBHV		-0.25	CORRECTION (g/cc)	0.25
			0 (ft3) 10				

REPEAT SECTION

Database File	5673ddn.db
Dataset Pathname	pass2.1R
Presentation Format	den_neu
Dataset Creation	Thu Oct 21 12:30:07 2021
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)		-10
6	DCAL (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)		-10
0	MINMK	20	TBHV		-0.25	CORRECTION (g/cc)	0.25
			0 (ft3) 10				





0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu) -10
6	DCAL (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu) -10
0	MINMK	20	TBHV	-0.25	CORRECTION (g/cc) 0.25
			0 (ft3) 10		

Calibration Report

Database File	5673ddn.db
Dataset Pathname	pass3.1M
Dataset Creation	Thu Oct 21 12:30:27 2021

Dual Induction Calibration Report

Serial-Model:	PROBE7-DILG
Surface Cal Performed:	Thu Oct 21 11:21:47 2021
Downhole Cal Performed:	Thu Mar 12 11:45:10 2020
After Survey Verification Performed:	Thu Mar 12 11:45:00 2020

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	650.000	-5.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	680.000	-50.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		4000.000	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		
		0.000	Ohm-m		0.000	Ohm-m		
		0.000	mmho-m		4000.000	mmho-m		

Litho Density Calibration Report

Serial: 004 Model: PRB

Master Calibration

Performed Tue May 18 11:02:48 2021

	Background	Magnesium	Aluminum	Aluminum+Fe	
Window 1	1187.1	10004.0	3142.5	2810.8	cps
Window 2	1084.9	8556.6	2749.3	2502.4	cps
Window 3	923.1	5129.8	1819.8	1719.3	cps
Window 4	263.5	263.6	259.7	262.8	cps
Long Space	0.0	7471.7	1664.4	1417.5	cps
Short Space	1.5	984.9	645.6	561.2	cps
Rho		1.7100	2.5900	0.0000	g/cc
Pe		2.0000	2.7500	5.7900	

Rib Angle	: 44.3	Rib Slope	: 0.976	Density/Spine Ratio	: 0.564
Spine Angle	: 74.3	Spine Slope	: 3.555	Spine Intercept	: -15.6

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

Window 1	0.0	0.0	0.0	0.0	cps
Window 2	0.0	0.0	0.0	0.0	cps
Window 3	0.0	0.0	0.0	0.0	cps
Window 4	0.0	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	0.0000	g/cc
Measured Pe			0.0000	0.0000	

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

Window 1	0.0	0.0	0.0	0.0	cps
Window 2	0.0	0.0	0.0	0.0	cps
Window 3	0.0	0.0	0.0	0.0	cps
Window 4	0.0	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	0.0000	g/cc
Measured Pe			0.0000	0.0000	

Compensated Neutron Calibration Report

Serial Number: 070808PMC
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: 070558
Tool Model: OPEN_GR
Performed: Fri Sep 03 05:25:49 2021

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.2800 GAPI/cps