



COMPENSATED DENSITY / NEUTRON LOG

Company L. D. DRILLING, INC.

Well #1-6 JETMORE

Field WILDCAT

County HODGEMAN State KANSAS

Location: API #: 15-083-21978-0000

330' FNL & 330' FEL
NE - NE - NE

SEC 6 TWP 24S RGE 23W

Permanent Datum GROUND LEVEL Elevation 2450
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

DIL/MEL

Other Services
Elevation
K.B. 2455
D.F. 2453
G.L. 2450

Date 4/30/20

Run Number ONE

Depth Driller 4850

Depth Logger 4850

Bottom Logged Interval 4826

Top Log Interval 3800

Casing Driller 8 5/8" @ 248'

Casing Logger 248

Bit Size 7 7/8"

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.7774

pH / Fluid Loss 9.0/10.8

Source of Sample FLOWLINE

Rm @ Meas. Temp .680 @ 82F

Rmf @ Meas. Temp .510 @ 82F

Rmc @ Meas. Temp .816 @ 82F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .450 @ 124F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom 1:30 P.M.

Maximum Recorded Temperature 124F

Equipment Number 922339

Location HAYS, KANSAS

Recorded By JEFF LUEBBERS

Witnessed By KIM SHOEMAKER

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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

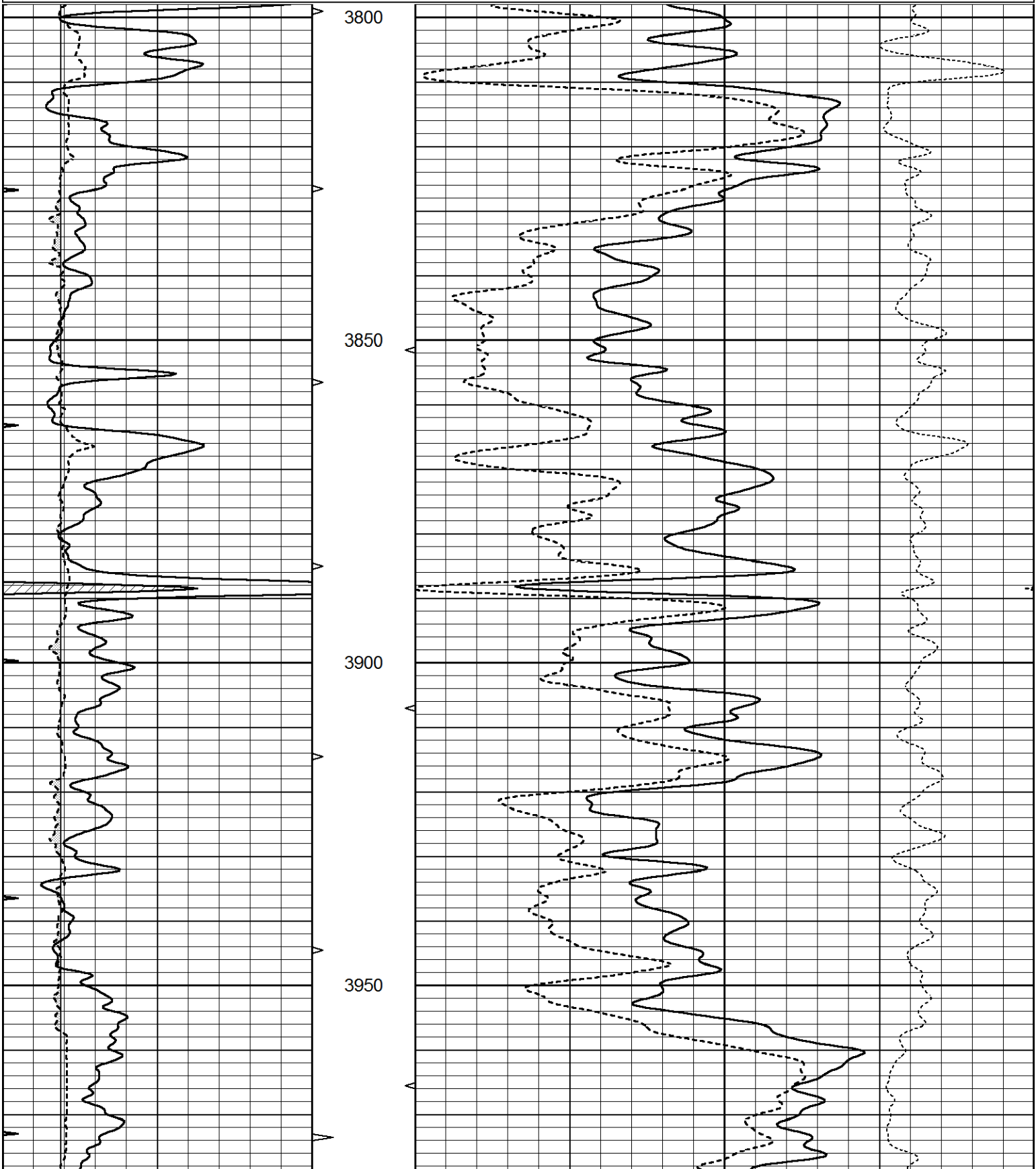
THANK YOU FOR USING E.L.I. WIRELINE SERVICES HAYS, KANSAS (785)628-6395
DIRECTIONS
JETMORE, KS., 6S. ON HWY 283 TO "RD. G", 1E., S. INTO

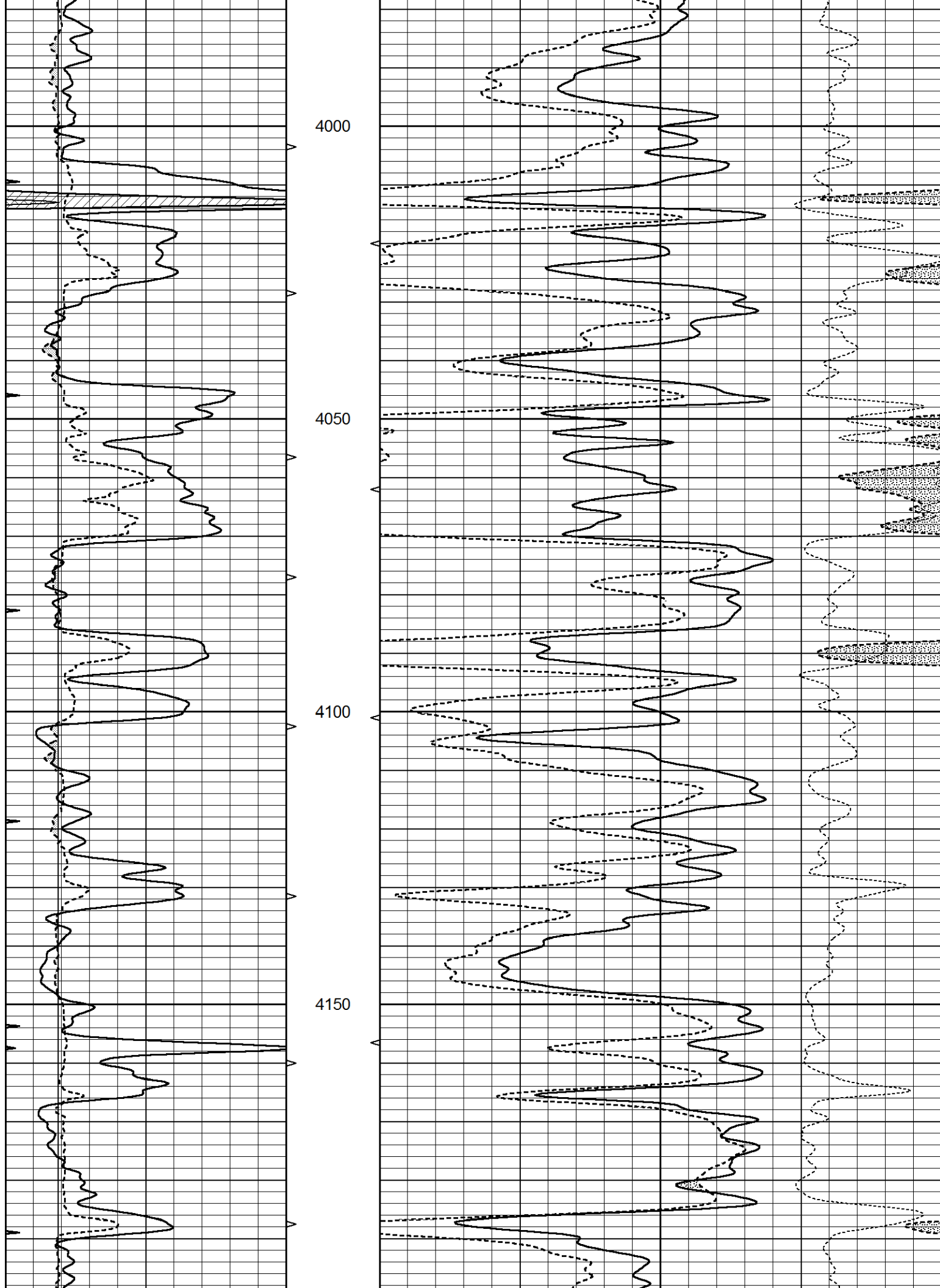


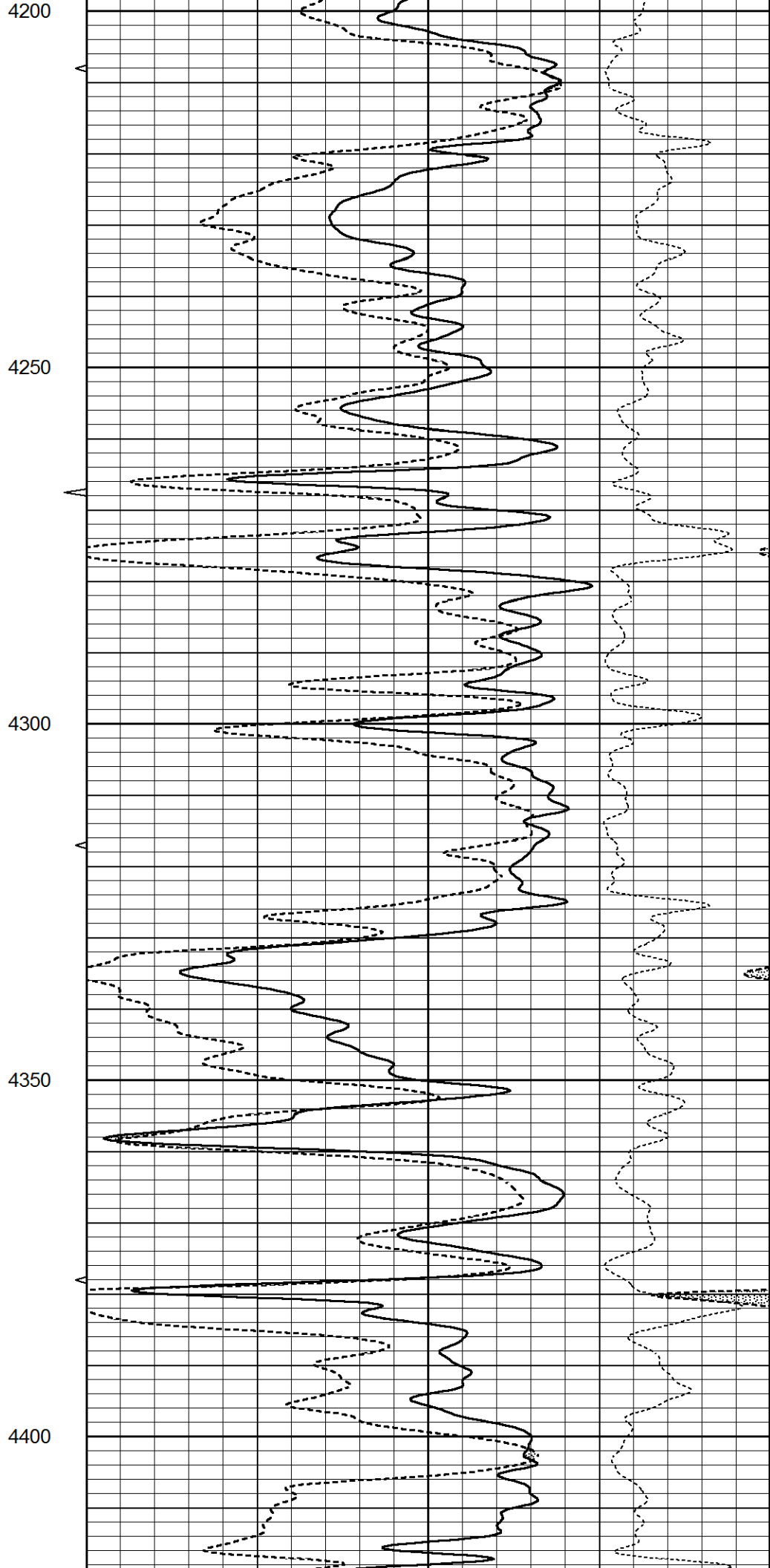
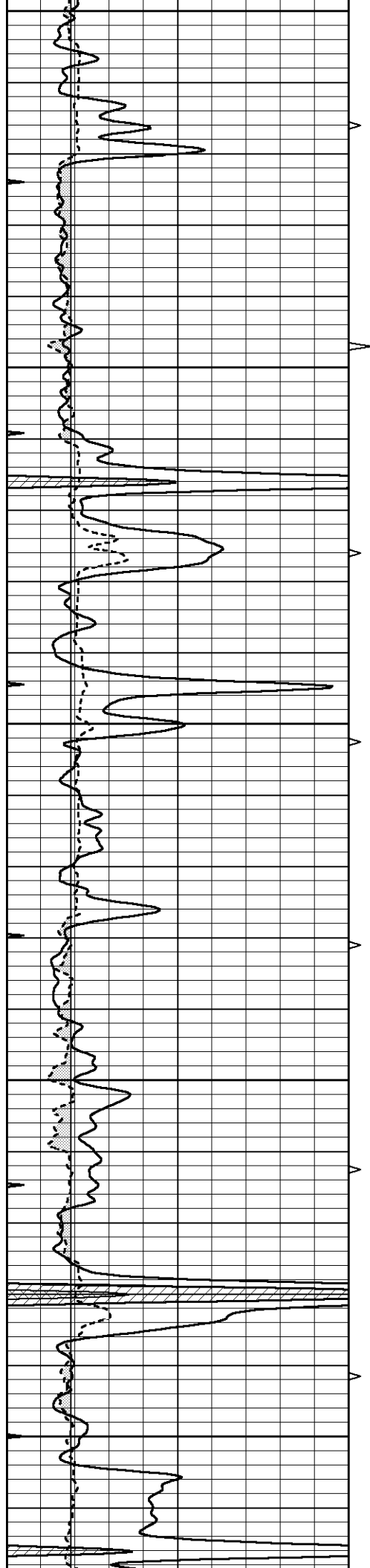
MAIN SECTION

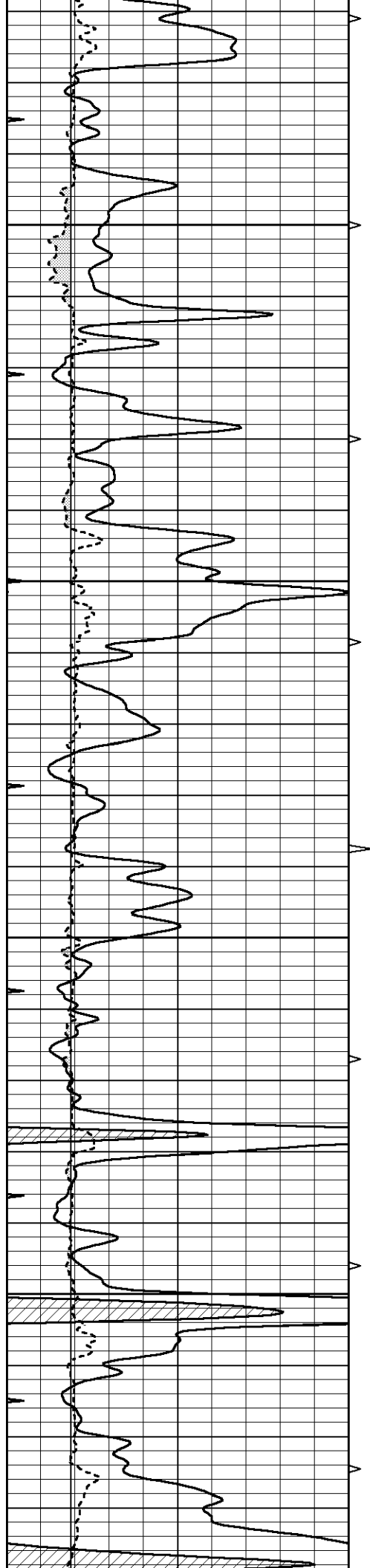
Database File	4541ddn.db
Dataset Pathname	pass3.2M
Presentation Format	den_neu
Dataset Creation	Thu Apr 30 14:57:02 2020
Charted by	Depth in Feet scaled 1:240

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					







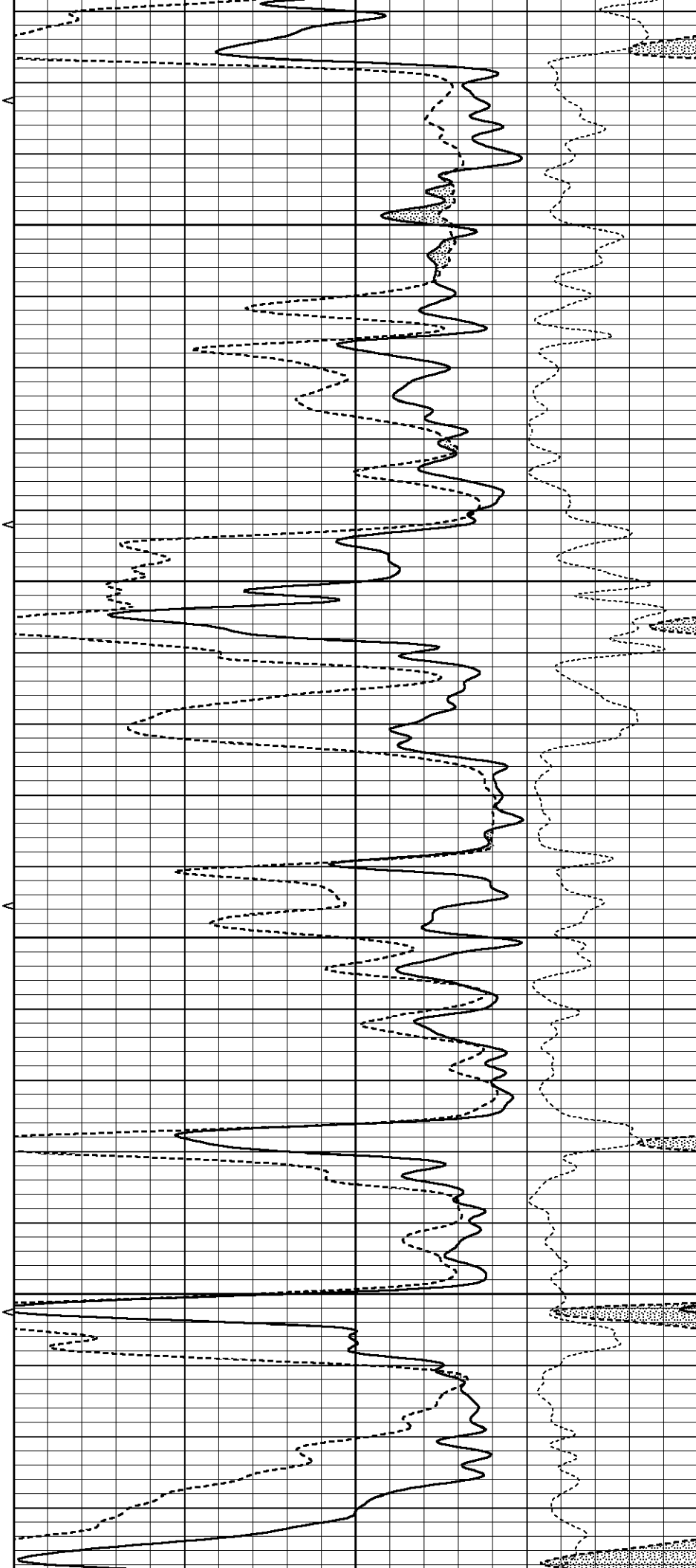


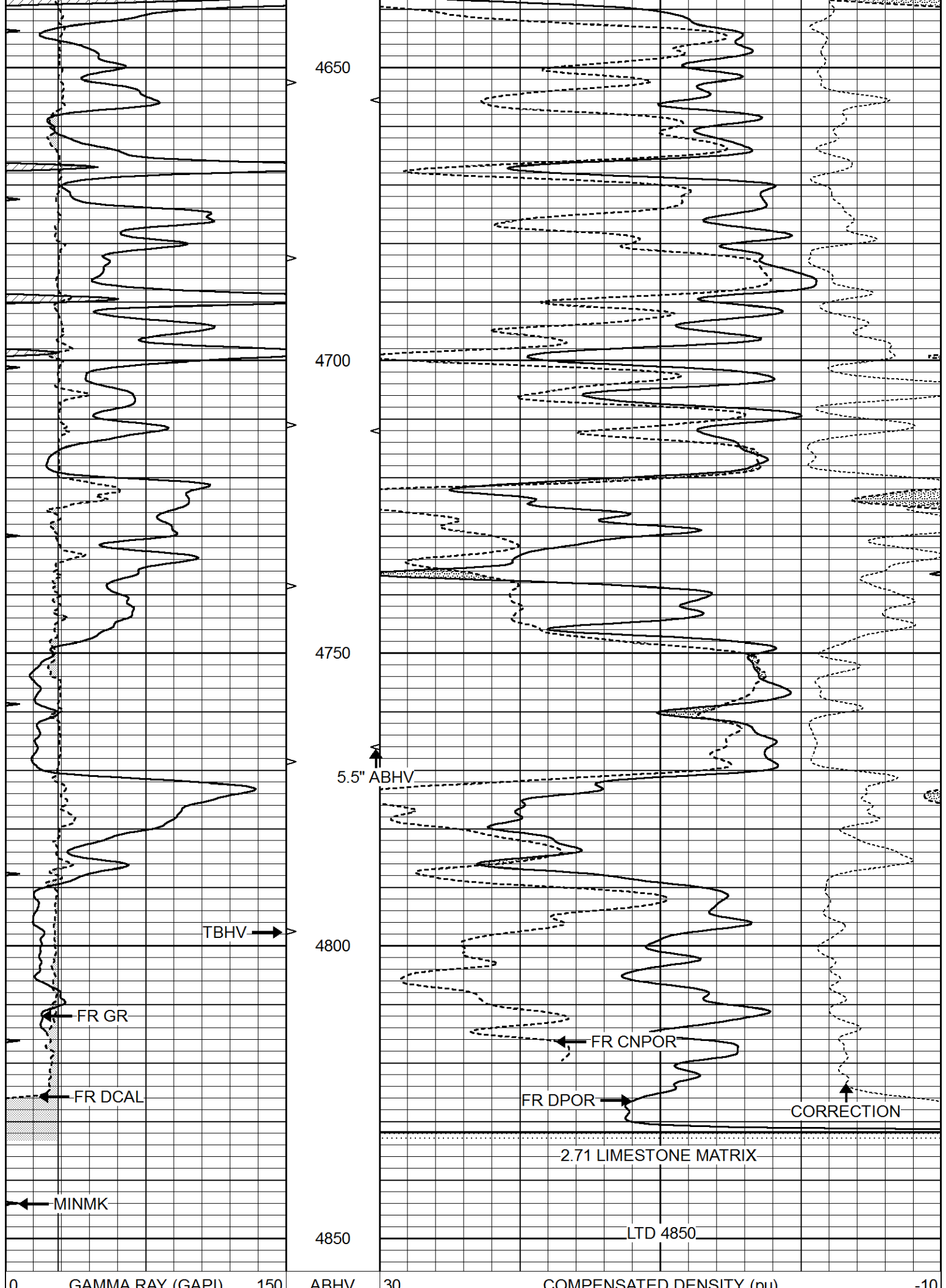
4450

4500

4550

4600





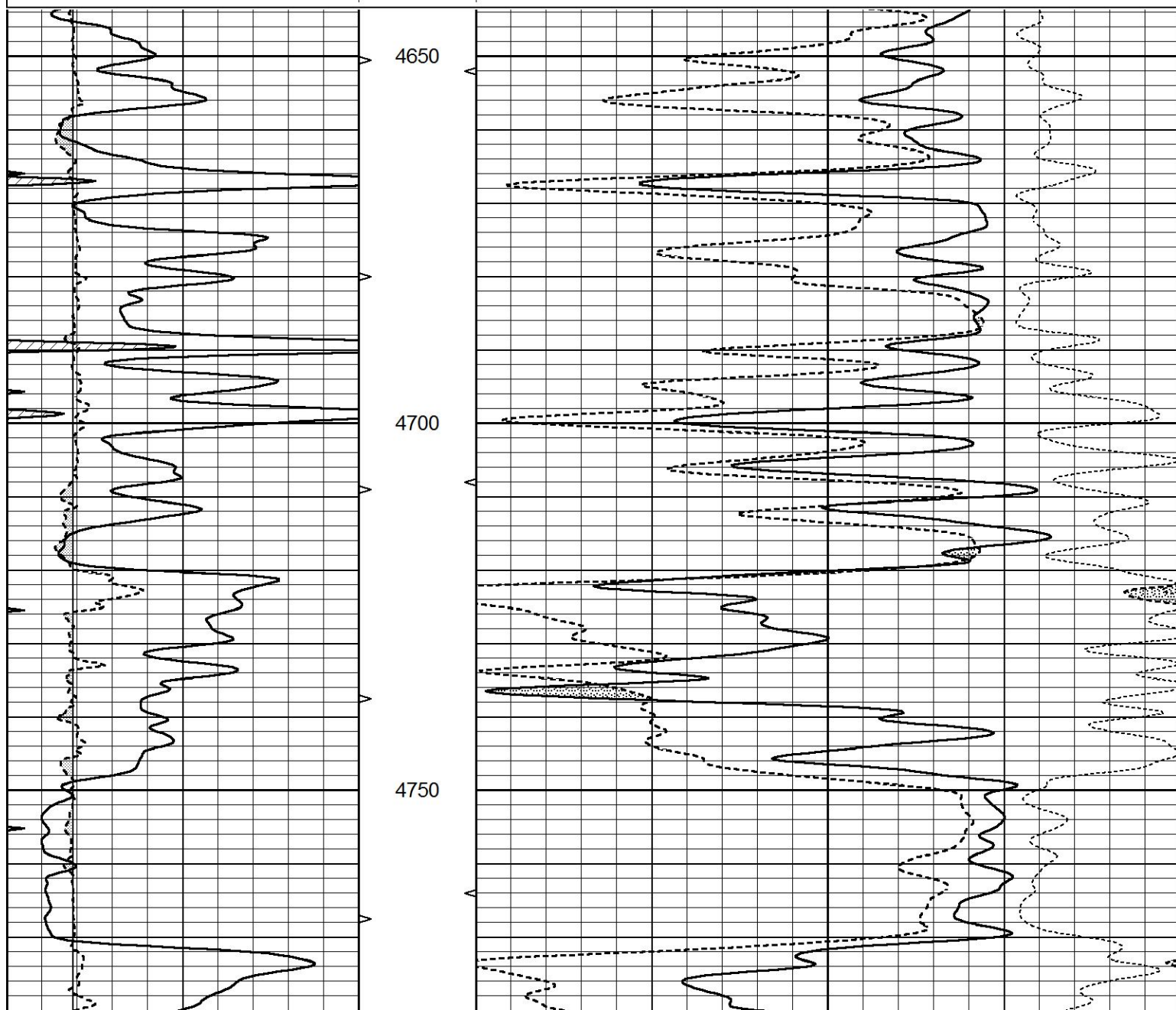
6	GAMMA RAY (GAPI)	160	ABHV	30	COMPENSATED DENSITY (pu)	-10	
0	DCAL (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25	CORRECTION (g/cc)	0.25
			0 (ft3)	10			

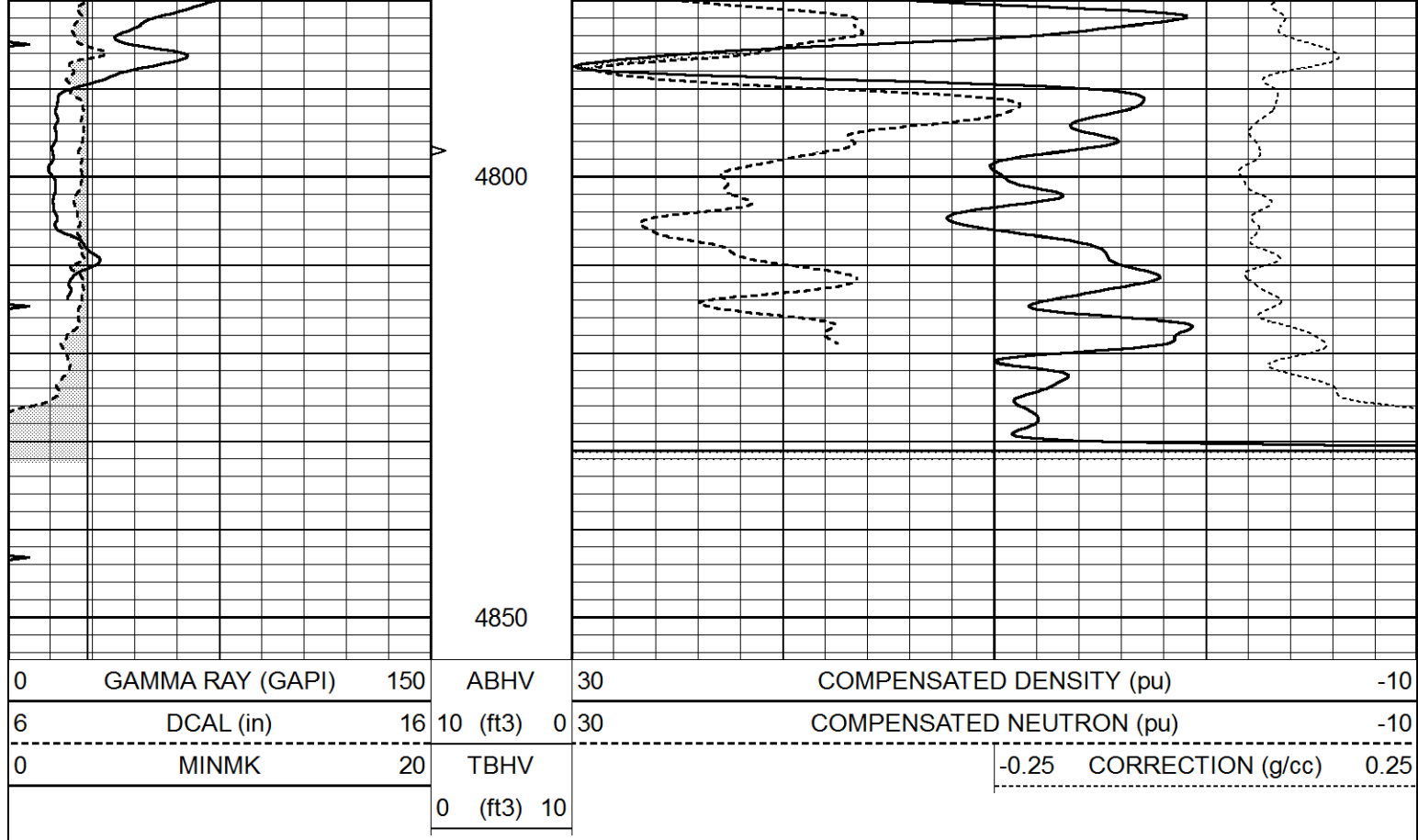


REPEAT SECTION

Database File 4541ddn.db
 Dataset Pathname pass2.5R
 Presentation Format den_neu
 Dataset Creation Thu Apr 30 15:27:03 2020
 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 (ft3) 10				





Calibration Report

Database File 4541ddn.db
Dataset Pathname pass3.2M
Dataset Creation Thu Apr 30 14:57:02 2020

Dual Induction Calibration Report

Serial-Model: PROBE7-DILG
Surface Cal Performed: Thu Apr 30 13:23:51 2020
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	620.000	18.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	675.000	-54.000
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	0.000	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

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:	Wed Jul 03 10:25:53 2019		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.3000	GAPI/cps	