



COMPENSATED DENSITY/NEUTRON PE LOG

Company PICKRELL DRILLING COMPANY, INC.

Well SUTTON "C" #7

Field

County NESS

State KANSAS

Location: API #: 15-135-26112-0000

268' FSL & 1450' FWL

Other Services
DIL/MEL

SEC 8 TWP 18S RGE 24W

Elevation

Permanent Datum GROUND LEVEL Elevation 2310

Log Measured From KELLY BUSHING 7' A.G.L

Drilling Measured From KELLY BUSHING

K.B. 2317
D.F. 2315
G.L. 2310

Date 8/11/21

Run Number ONE

Depth Driller 4450

Depth Logger 4452

Bottom Logged Interval 4428

Top Log Interval 3500

Casing Driller 8 5/8" @ 220

Casing Logger 220

Bit Size 7 7/8

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.1/55

pH / Fluid Loss 10.0/9.2

Source of Sample FLOWLINE

Rm @ Meas. Temp .90 @ 86F

Rmf @ Meas. Temp .67 @ 86F

Rmc @ Meas. Temp 1.08 @ 86F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .64 @ 120F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom 1111

Maximum Recorded Temperature 120F

Equipment Number 3802

Location HAYS, KANSAS

Recorded By JASON CAPPELLUCCI

Witnessed By AARON YOUNG

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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

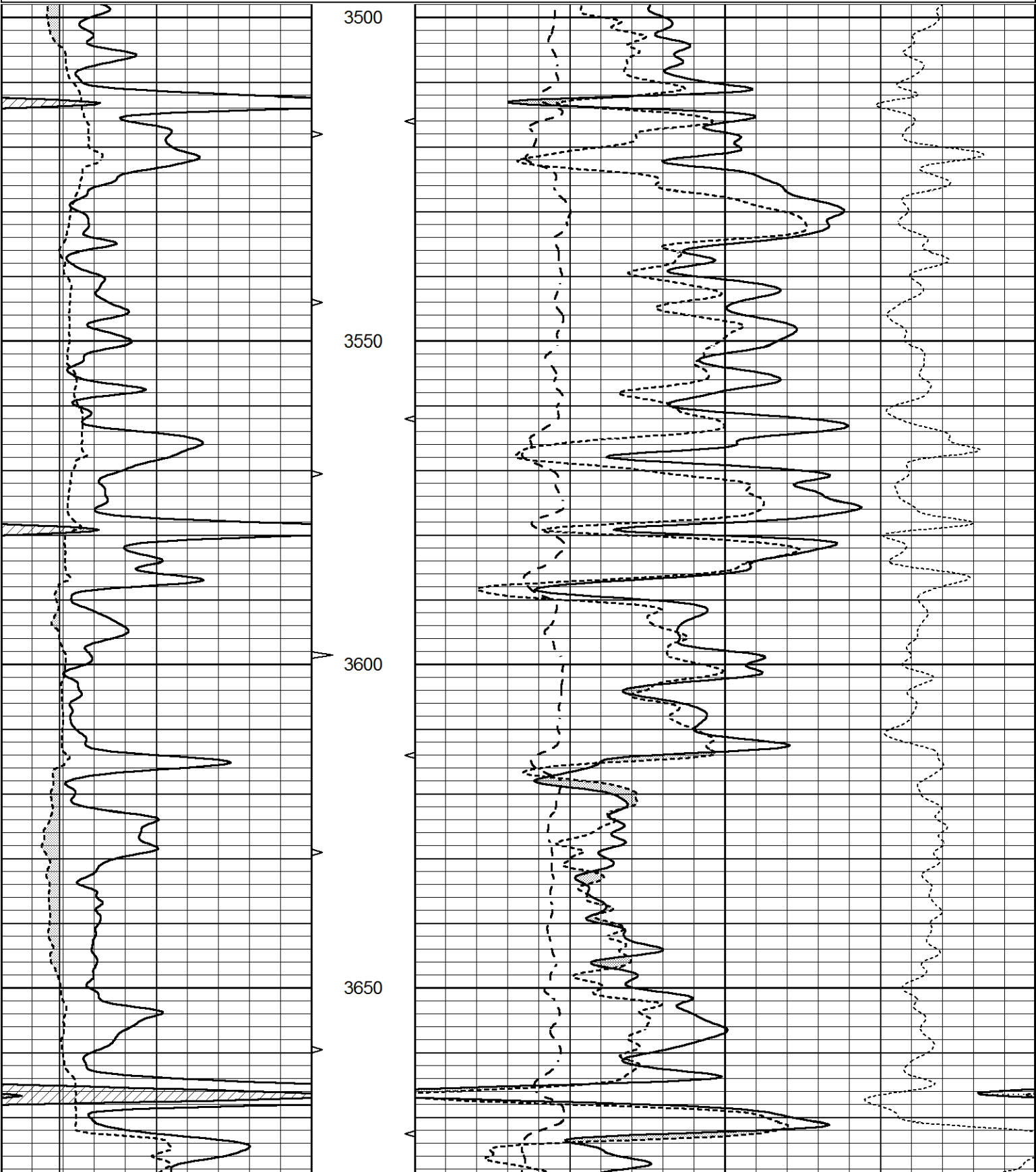
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
NESS CITY, KS. - NORTH TO RD. 160 - 5 3/4 WEST - NORTH INTO

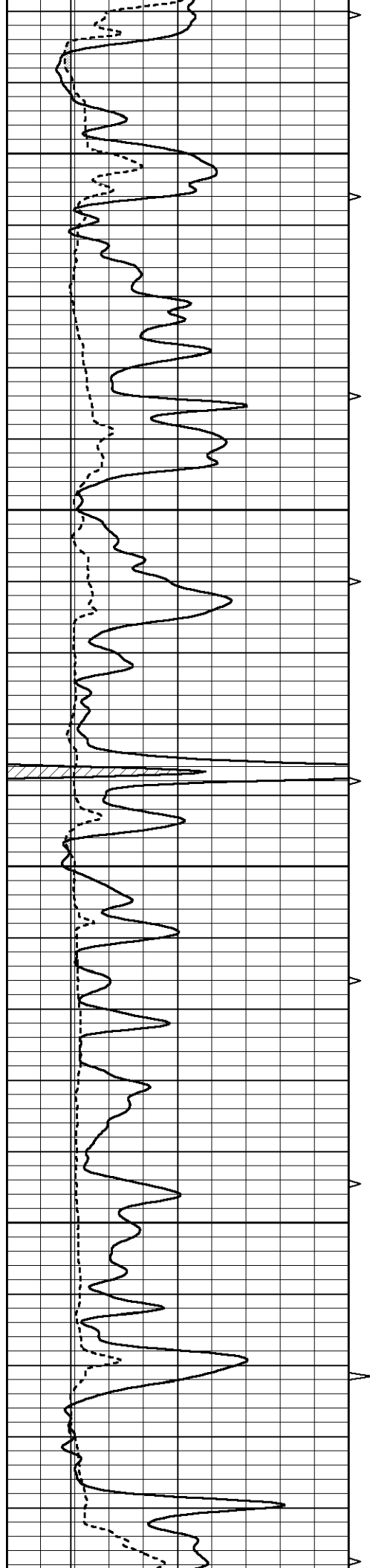


MAIN SECTION

Database File	5640pe.db
Dataset Pathname	pass3.1
Presentation Format	_ldt_neu
Dataset Creation	Wed Aug 11 23:41:44 2021
Charted by	Depth in Feet scaled 1:240

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



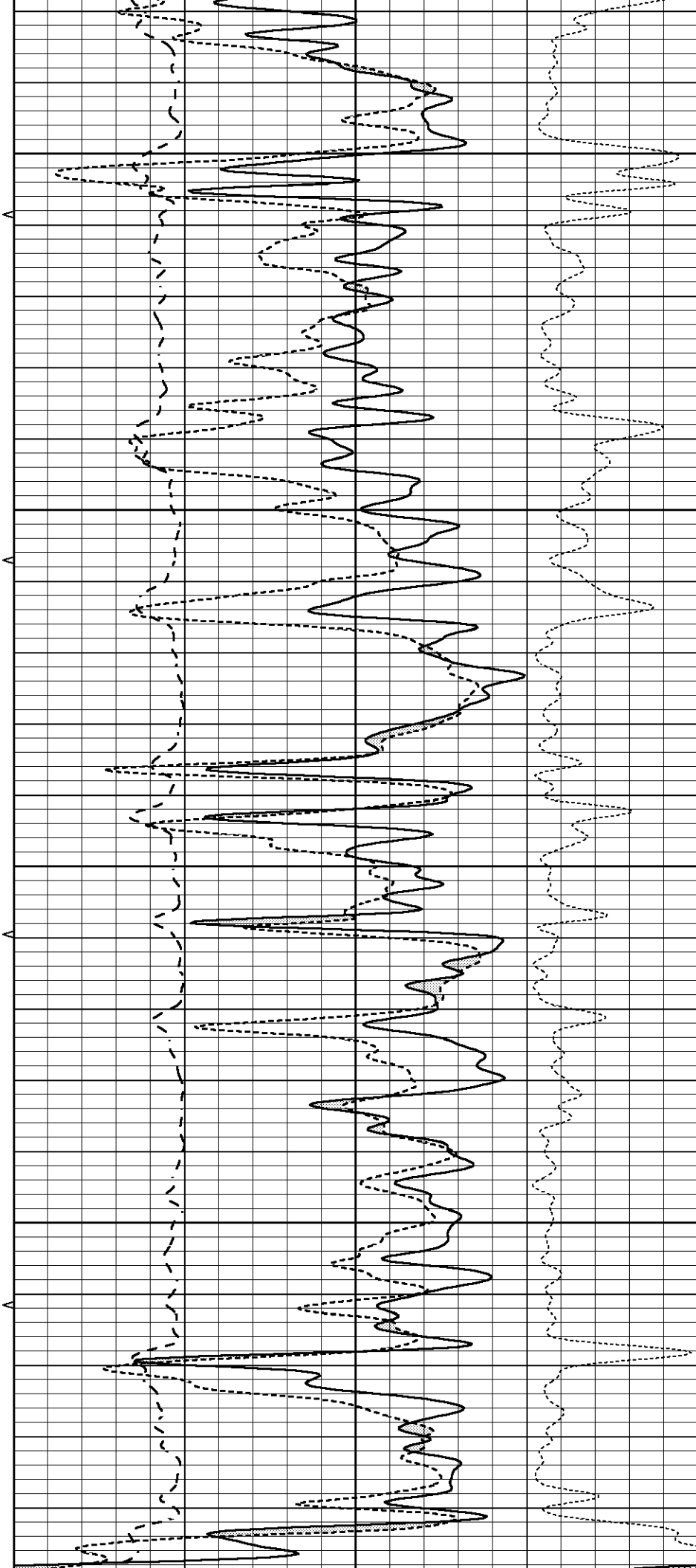


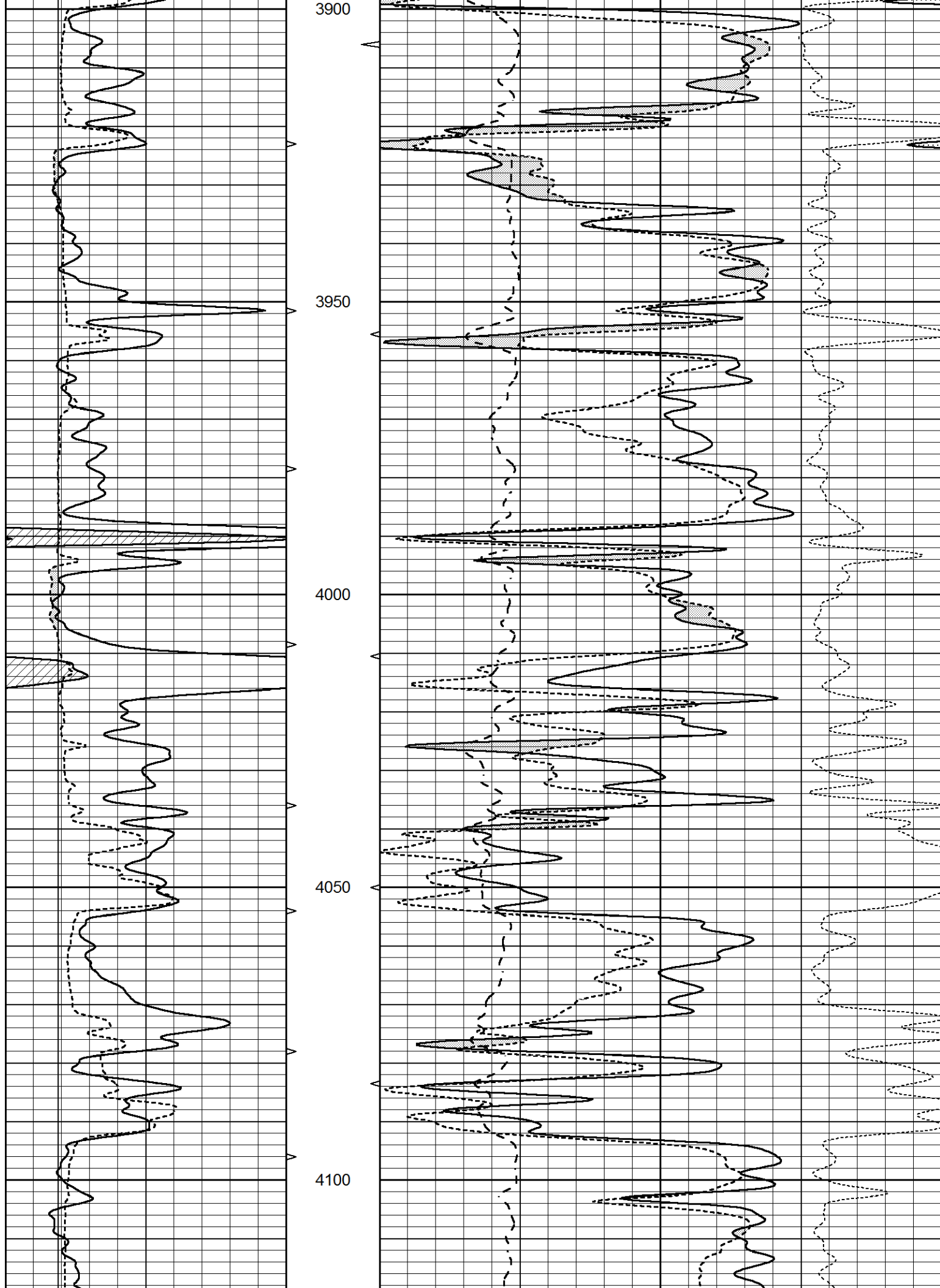
3700

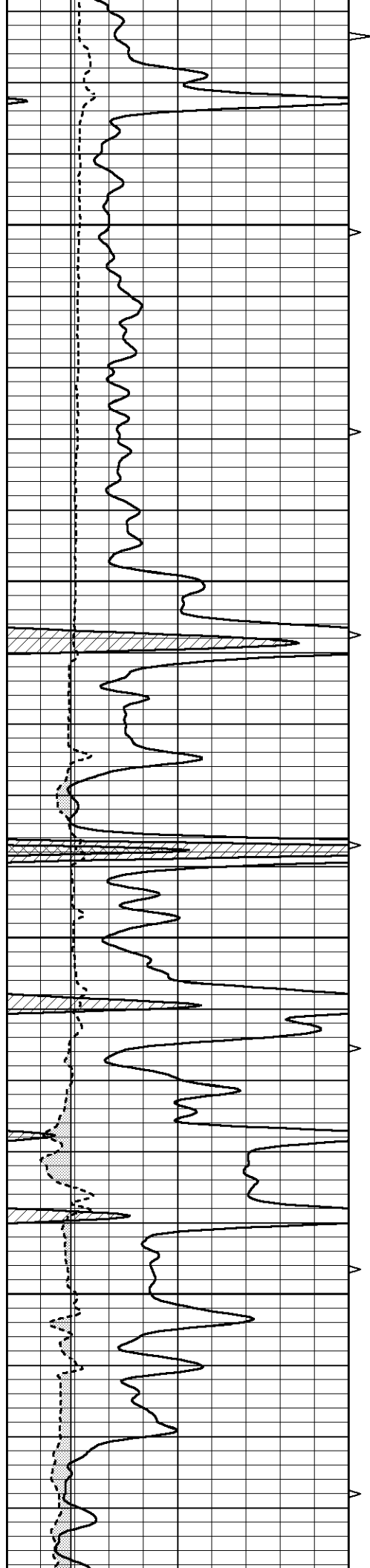
3750

3800

3850





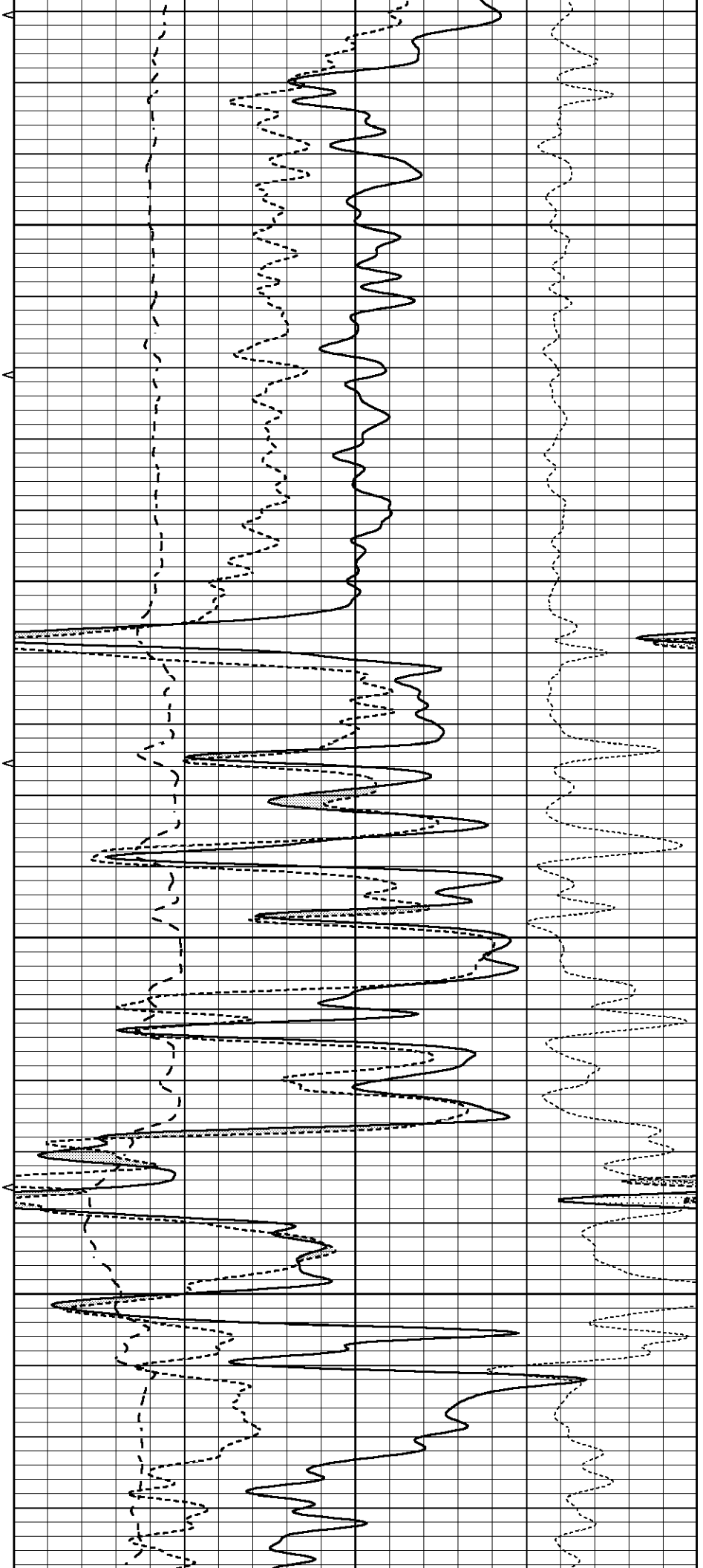


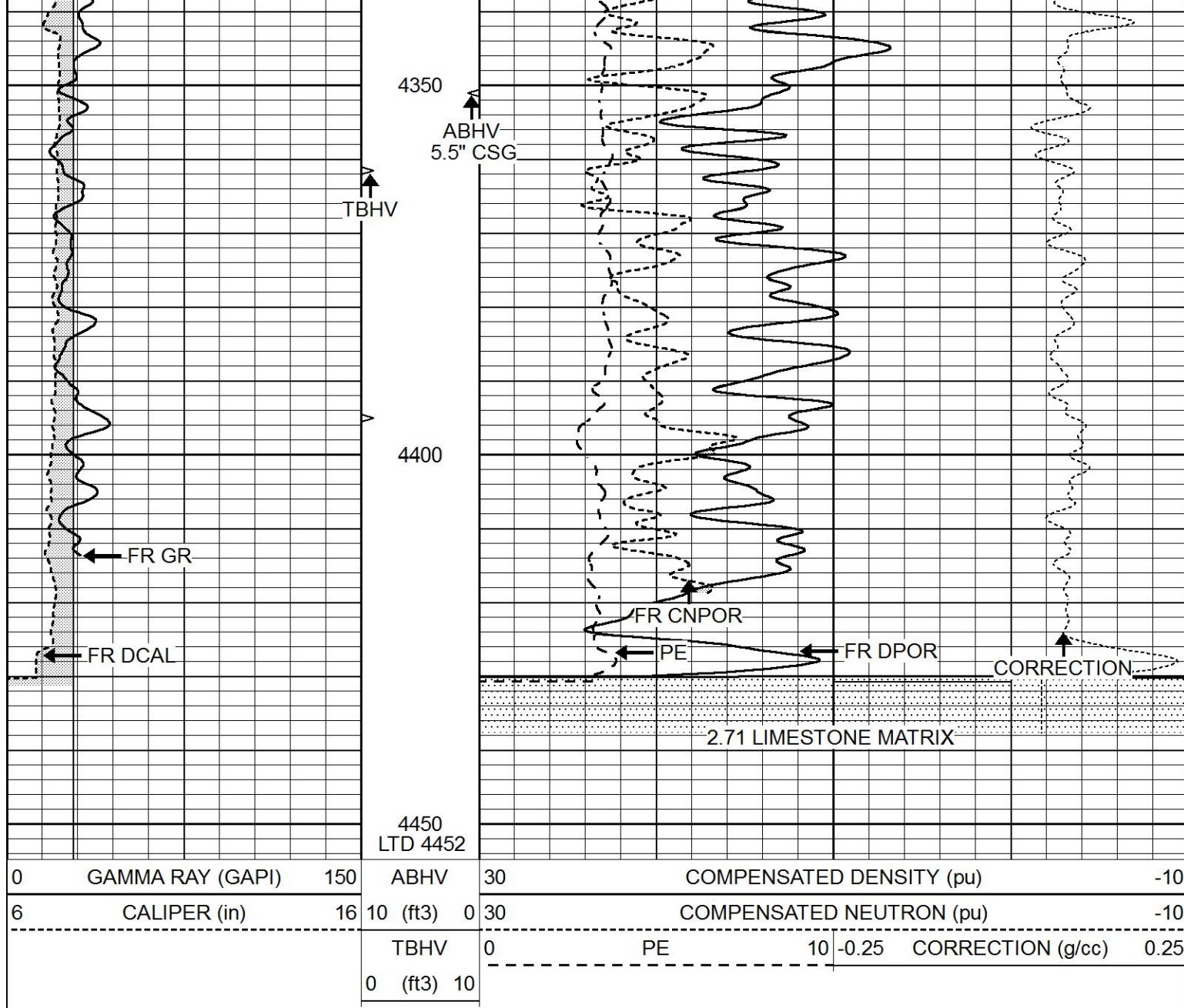
4150

4200

4250

4300

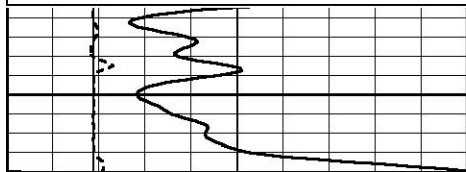




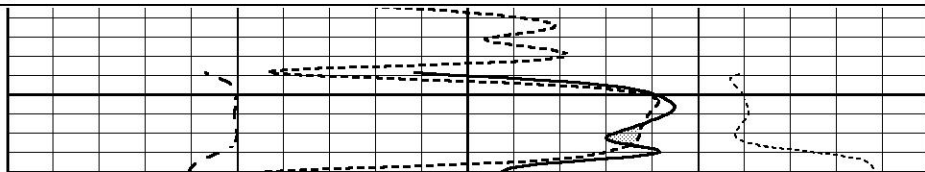
REPEAT SECTION

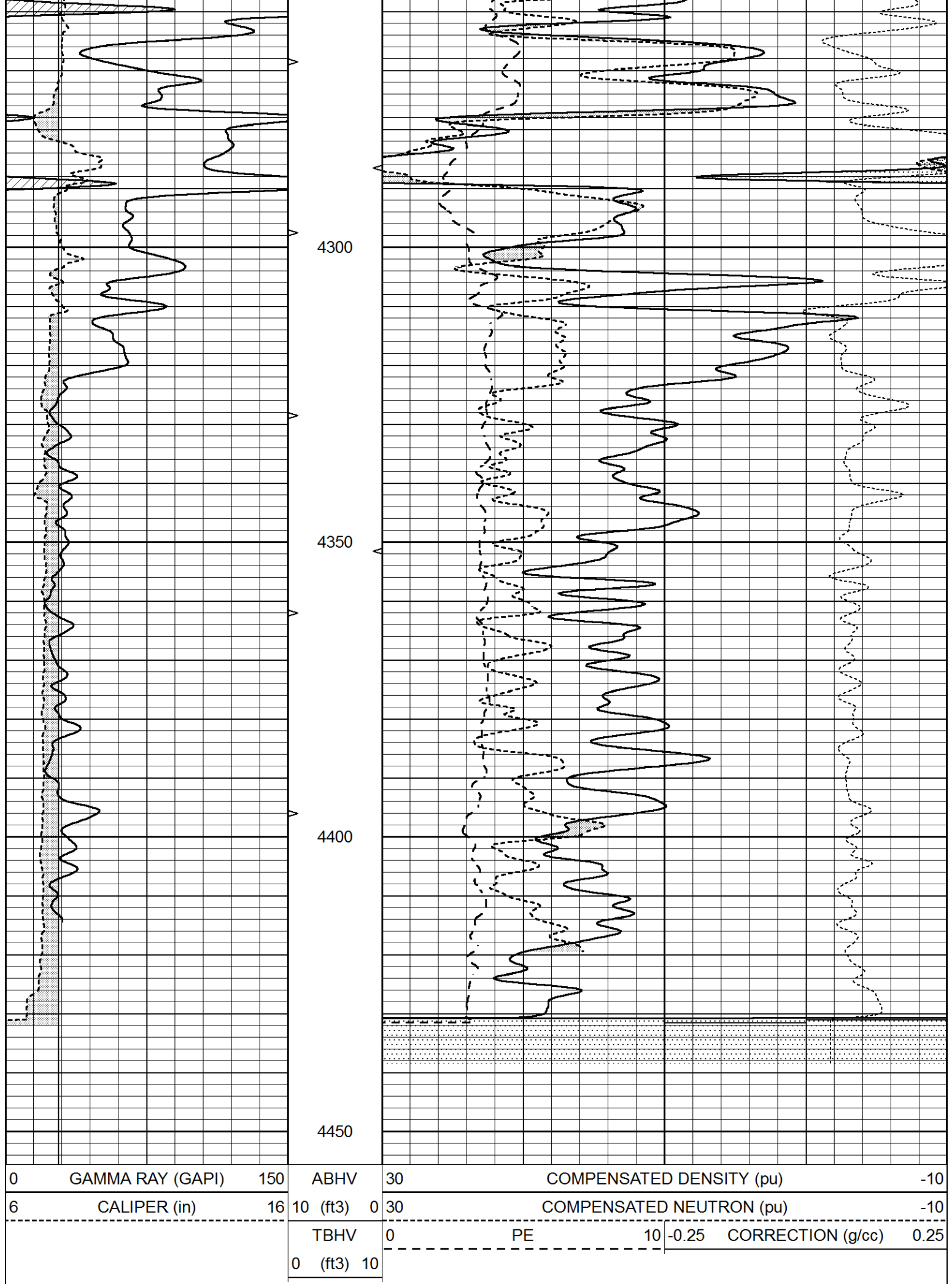
Database File 5640pe.db
 Dataset Pathname pass2.1
 Presentation Format _ldt_neu
 Dataset Creation Wed Aug 11 23:34:44 2021
 Charted by Depth in Feet scaled 1:240

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



4250





Calibration Report								
Database File	5640pe.db							
Dataset Pathname	pass2.1							
Dataset Creation	Wed Aug 11 23:34:44 2021							
Dual Induction Calibration Report								
Serial-Model:			FW1410-55-Probe					
Surface Cal Performed:			Tue Feb 19 11:44:18 2019					
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	618.595	-5.524
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	1.197
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								
Serial: 140703								
Model: V4_10P								
Source Number: 74GBq-19								
Master Calibration					Performed: Wed Dec 02 12:04:44 2020			
	Background	Aluminum	Magnesium					
Window 1	595.38	5386.50	23898.92	cps				
Window 2	52.78	1248.21	5993.75	cps				
Window 4	251.36	1200.30	5155.55	cps				
Window 5	545.15	9066.30	17240.12	cps				
Window 6	43.35	1491.73	2929.24	cps				
Window 8	258.76	2917.82	5450.26	cps				
Bulk Density	-	2.6020	1.6830	g/cc				
Pe	-	3.0000	2.5070	b/e				

LS Alpha: : -1.8726		SS Alpha: : -0.7656		LS CPE: : 1.0742	
LS Beta: : 127345.0723		SS Beta: : 20293.3834		SS CPE: : 1.5427	
Before 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		
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 Dec 02 12:04:44 2020	
Results	Readings	References (in)			
Low	High	Low	High	Gain	Offset
8005.3	11087.2	8.0	14.0	0.0	-7.5
Before Survey Caliper Verification				Performed:	
	Reference	Reading			
	_____	_____			
Caliper (in)					
After Survey Caliper Verification				Performed:	
	Reference	Reading			
	_____	_____			
Caliper (in)					
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:	Tue Jan 19 17:50:08 2021

Calibrator Value:	1.0	GAPI
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Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps

Sensitivity:	0.5300	GAPI/cps
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