MICRO LOG

Company	ABERCROMBIE ENERGY
Well	OWEN #8
Field	OWEN
County	LOGAN
State	KANSAS

Company ABERCROMBIE ENERGY

Well OWEN #8

Field OWEN

County LOGAN State KANSAS

Location: API # : 15-109-21559-0000

2310' FSL & 330' FEL

SEC 21 TWP 12S RGE 33W

Other Services: CDL/CNL, DIL/SON

Permanent Datum: GROUND LEVEL Elevation 3104

Log Measured From: KELLY BUSHING 11' A.G.L

Drilling Measured From: KELLY BUSHING

Elevation: K.B. 3115, D.F. 3113, G.L. 3104

Date	8/14/18		
Run Number	TWO		
Depth Driller	4750		
Depth Logger	4754		
Bottom Logged Interval	4736		
Top Log Interval	3500		
Casing Driller	8 5/8" @ 393'		
Casing Logger	393		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5000 PPM	
Density / Viscosity	9.3/66		
pH / Fluid Loss	10.0/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.60 @ 75F		
Rmf @ Meas. Temp	.45 @ 75F		
Rmc @ Meas. Temp	.72 @ 75F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.36 @ 123F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	123F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	GRANT GALYON	KENT CRISLER	

<<< Fold Here >>>

Comments

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

DIRECTIONS

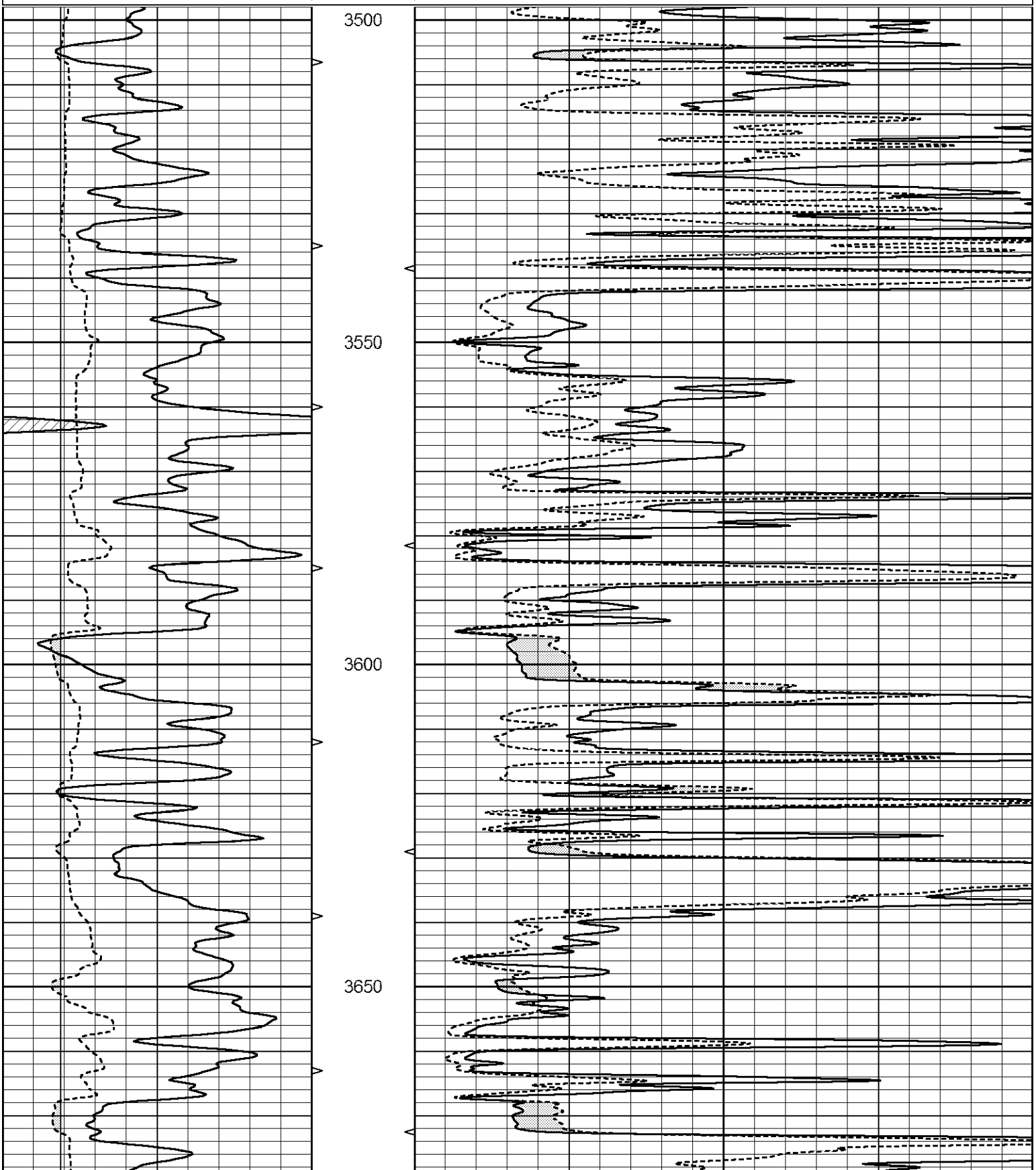
OAKLEY, KS. - 9 SOUTH ON HWY 83 TO UTE RD. - 7 WEST TO 370 RD.

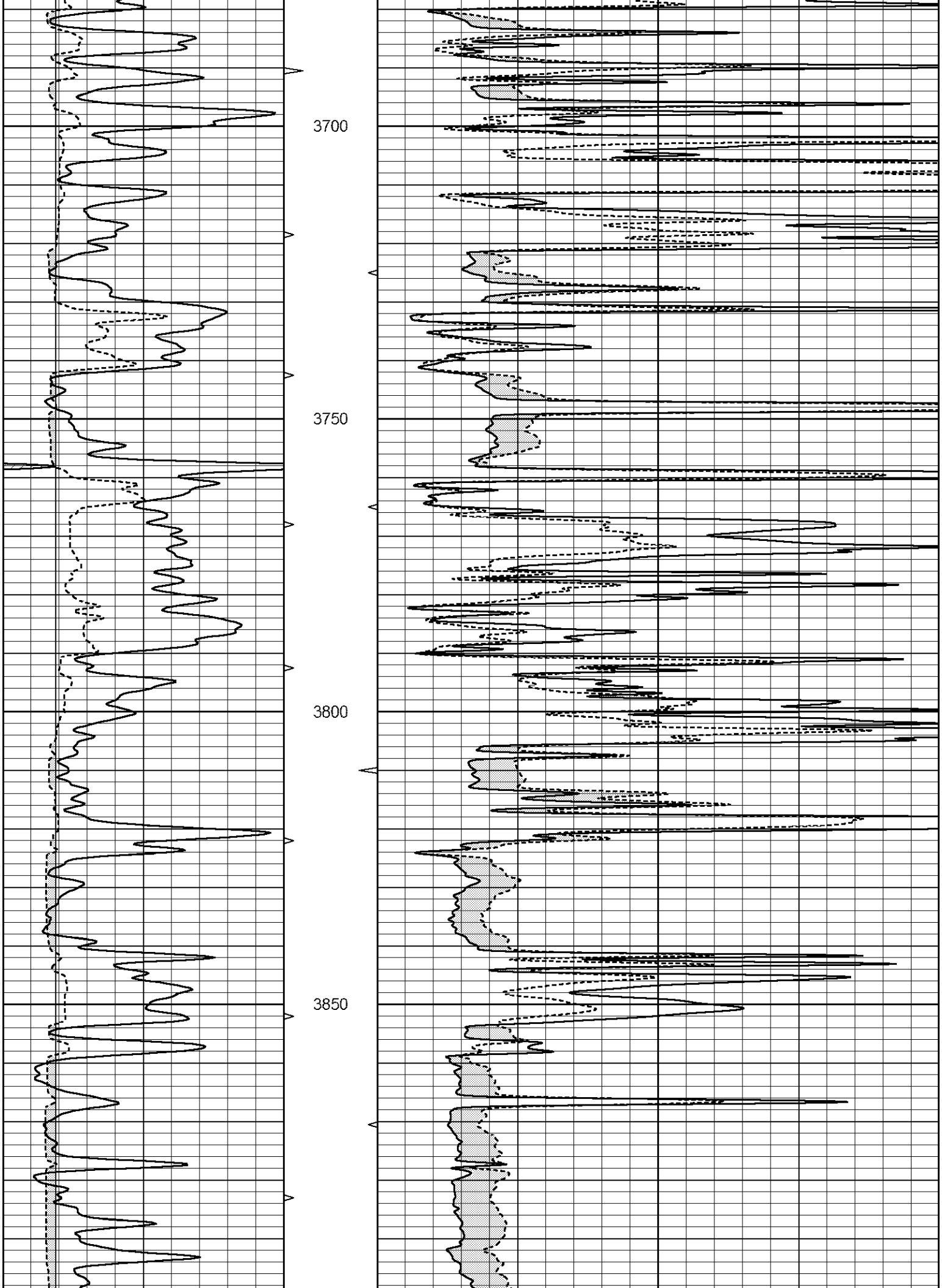
1/2 NORTH - WEST INTO

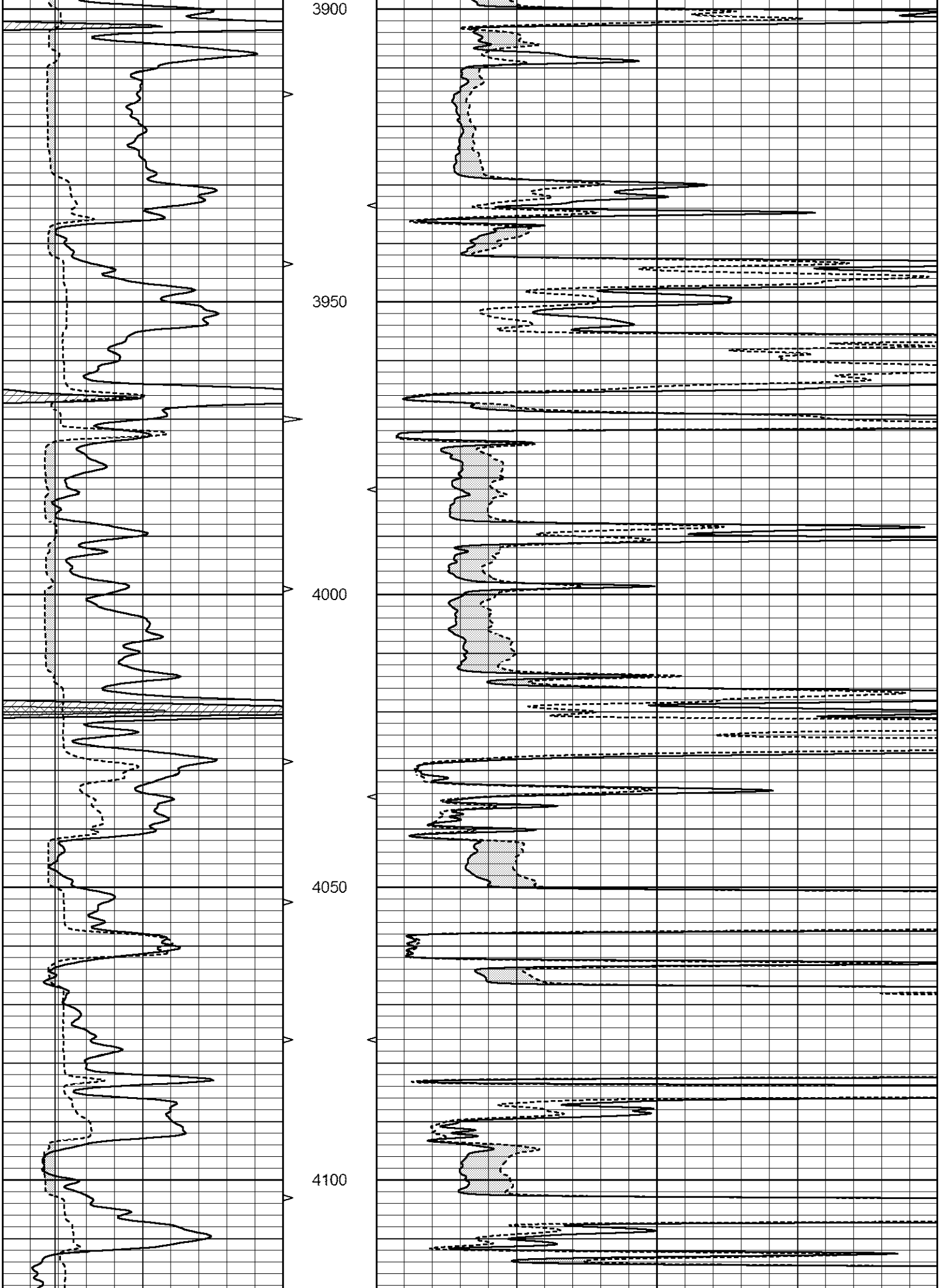
MAIN SECTION

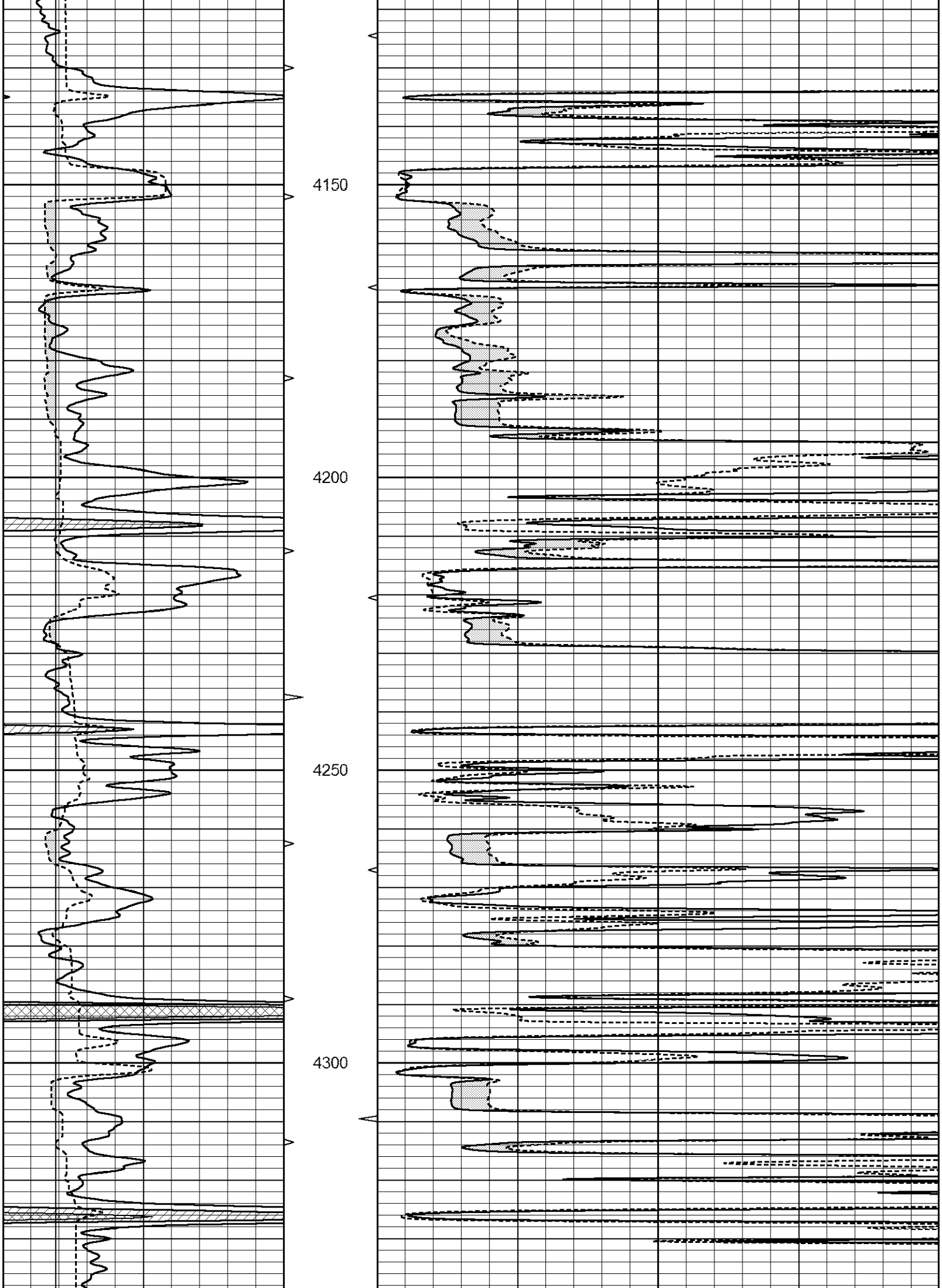
Database File	2520pe8.db
Dataset Pathname	pass6.1
Presentation Format	_micro
Dataset Creation	Tue Aug 14 11:03:50 2018
Charted by	Depth in Feet scaled 1:240

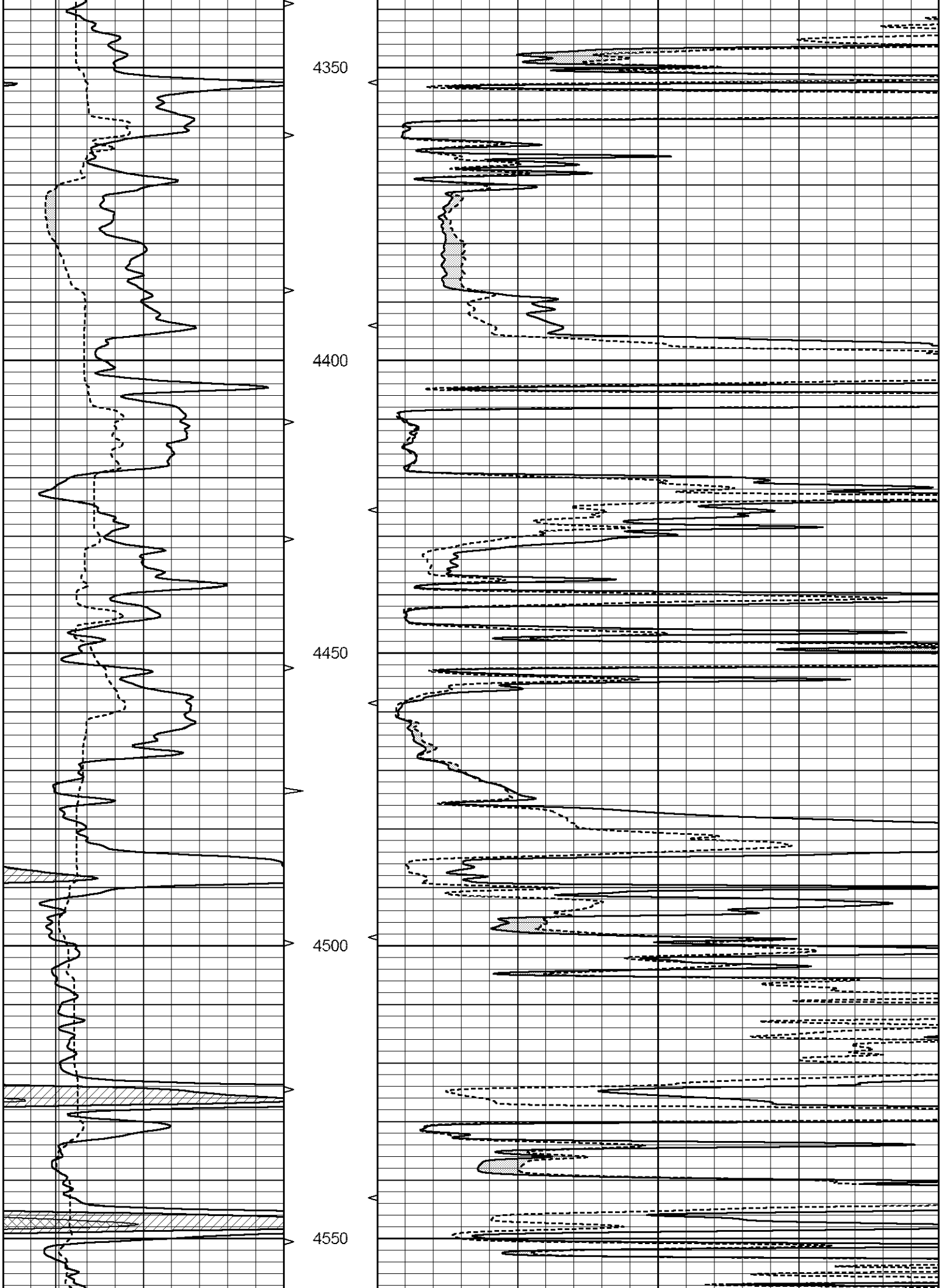
0	GAMMA RAY (GAPI) 150	ABHV		0	MEL1.5 (Ohm-m) 40
6	CALIPER (in) 16	10 (ft3) 0		0	MEL2.0 (Ohm-m) 40
		TBHV			
		0 (ft3) 10			

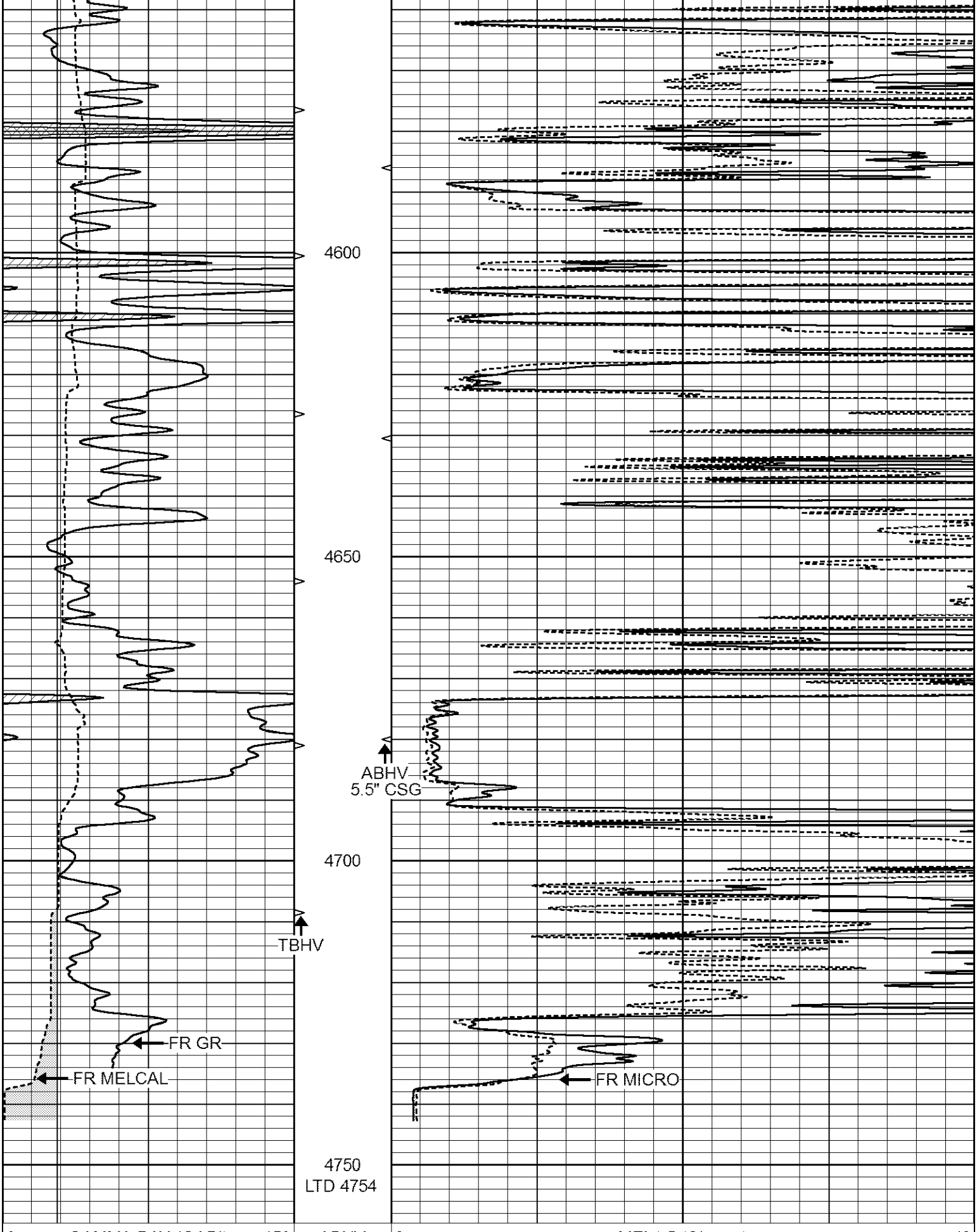



3700
3750
3800
3850


3900
3950
4000
4050
4100


4150
4200
4250
4300

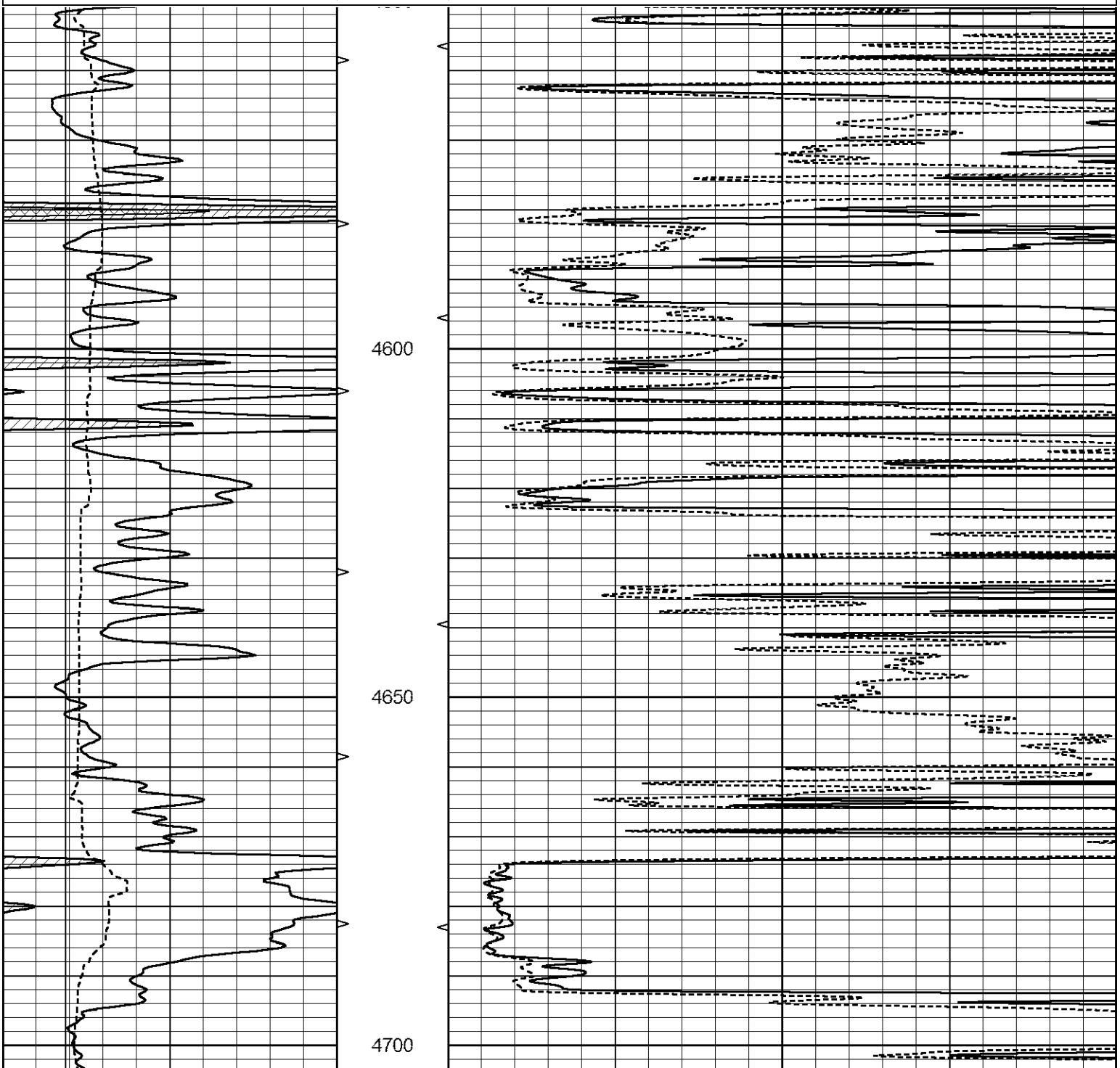

4350
4400
4450
4500
4550

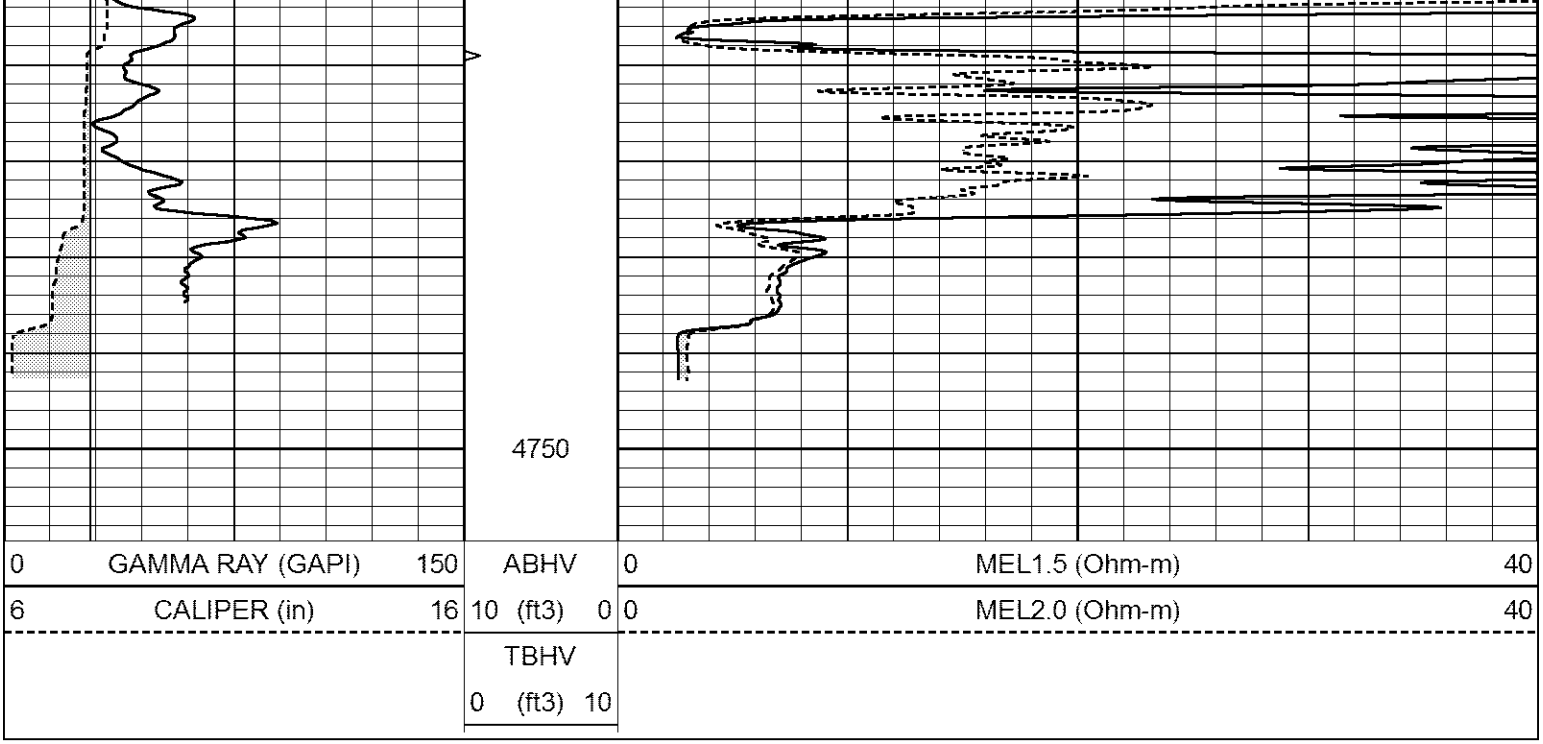

4600
4650
4700
4750
LTD 4754
ABHV
5.5" CSG
TBHV
FR GR
FR MELCAL
FR MICRO
0 GAMMA RAY (GAPI) 150
6 CALIPER (in) 16
ABHV
10 (ft3) 0
TBHV
0 (ft3) 10
0 MEL1.5 (Ohm-m) 40
0 MEL2.0 (Ohm-m) 40

REPEAT SECTION

Database File	2520pe8.db
Dataset Pathname	pass5.1
Presentation Format	_micro
Dataset Creation	Tue Aug 14 10:37:42 2018
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI) 150	ABHV		0	MEL1.5 (Ohm-m) 40
6	CALIPER (in) 16	10 (ft3)	0	0	MEL2.0 (Ohm-m) 40
		TBHV			
		0 (ft3)	10		





Calibration Report

Database File 2520pe8.db
Dataset Pathname pass5.1
Dataset Creation Tue Aug 14 10:37:42 2018

MICRO_USR Calibration Report

Serial Number:	070910
Tool Model:	ProbeL
Performed:	Fri Aug 03 23:13:00 2018

Caliper Calibration:	Gain=7.336	Offset=3.217
	Low Cal	High Cal
References	8.000	14.000
Readings	0.652	1.470

1.5" Calibration:	Gain=55.000	Offset=-0.067
	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	1.335

2" Calibration:	Gain=75.000	Offset=-0.779
	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	1.029

Microlog Calibration Report

Serial-Model:	070910-ProbeL
Performed:	(Not Performed)

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Normal	0.0000	1.0000	V	0.0000	1.0000	Ohm-m	1.0000	0.0000
Inverse	0.0000	1.0000	V	0.0000	1.0000	Ohm-m	1.0000	0.0000
Caliper	0.0000	1.0000	V	0.0000	1.0000	in	1.0000	0.0000

Gamma Ray Calibration Report

Serial Number:	7	
Tool Model:	Probe1	
Performed:	Wed Jun 29 11:10:58 2016	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2700	GAPI/cps