

MICRO LOG

Company VAL ENERGY, INC.

Well KUHLMEIR "V" #1-20

Field

County McPHERSON State KANSAS

Location: API #: 15-113-21388-0000

2100' FNL & 1530' FEL

SEC 20 TWP 20S RGE 1W

Permanent Datum GROUND LEVEL Elevation 1550
Log Measured From KELLY BUSHING 9' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
CDL/CNL
DIL/SON
Elevation
K.B. 1559
D.F. 1557
G.L. 1550

Date 10/11/17

Run Number TWO

Depth Driller 3657

Depth Logger 3659

Bottom Logged Interval 3641

Top Log Interval 2200

Casing Driller 8 5/8" @ 221

Casing Logger 220

Bit Size 7 7/8

Type Fluid in Hole CHEMICAL MUD CHLORIDES 1700 PPM

Density / Viscosity 9.3/52

pH / Fluid Loss 10.0/8.0

Source of Sample FLOWLINE

Rm @ Meas. Temp 1.5 @ 75F

Rmf @ Meas. Temp 1.1 @ 75F

Rmc @ Meas. Temp 1.8 @ 75

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT 1.0 @ 112F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom

Maximum Recorded Temperature 112F

Equipment Number 3802

Location HAYS, KANSAS

Recorded By JASON CAPPELLUCCI

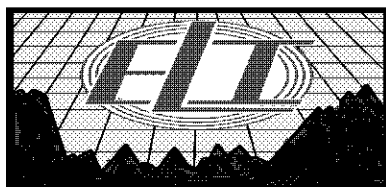
Witnessed By DOUG DAVIS

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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

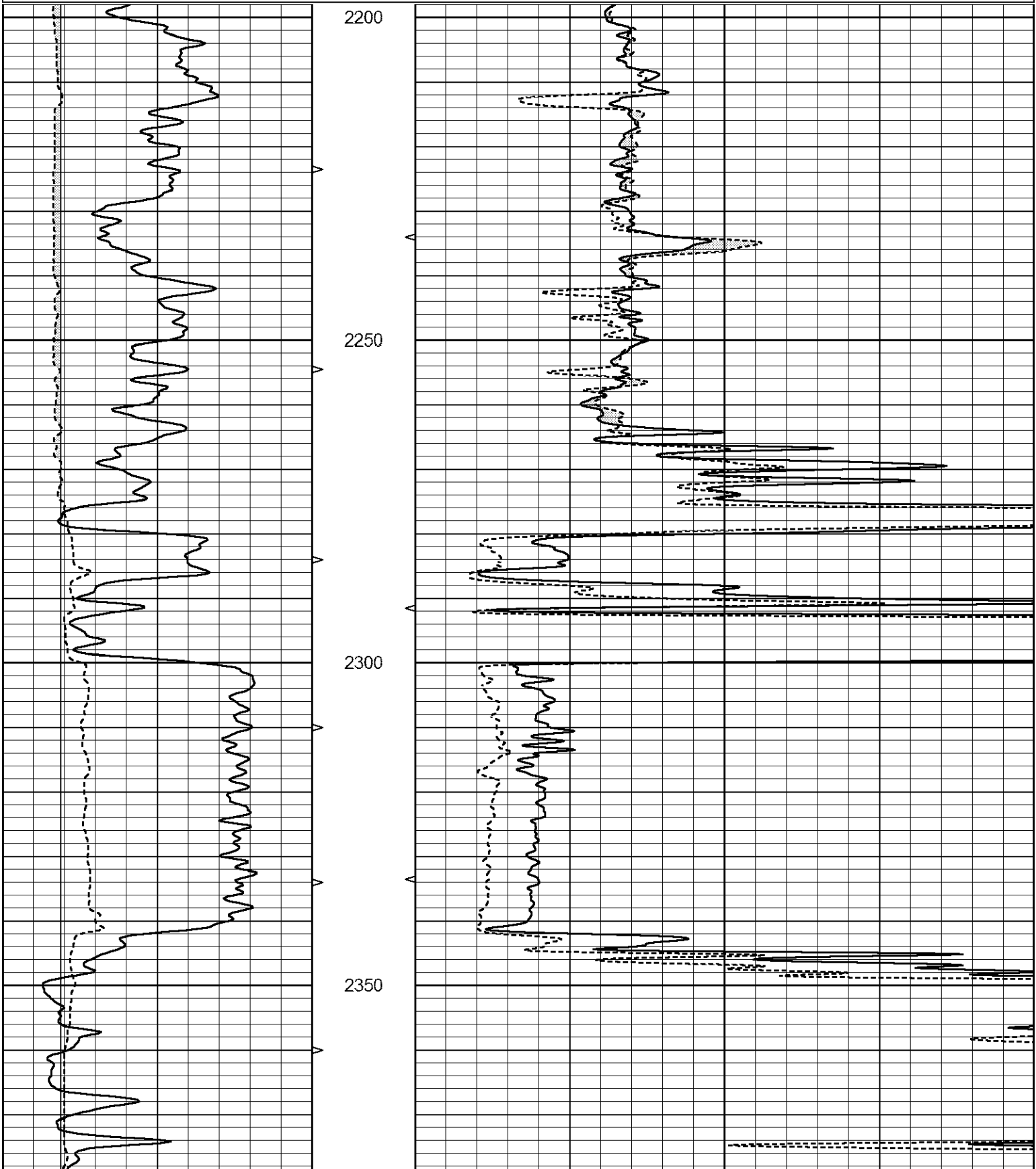
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
McPHERSON, KS. - 9 1/2 EAST TO 26TH RD. - 5 1/2 SOUTH - WEST INTO

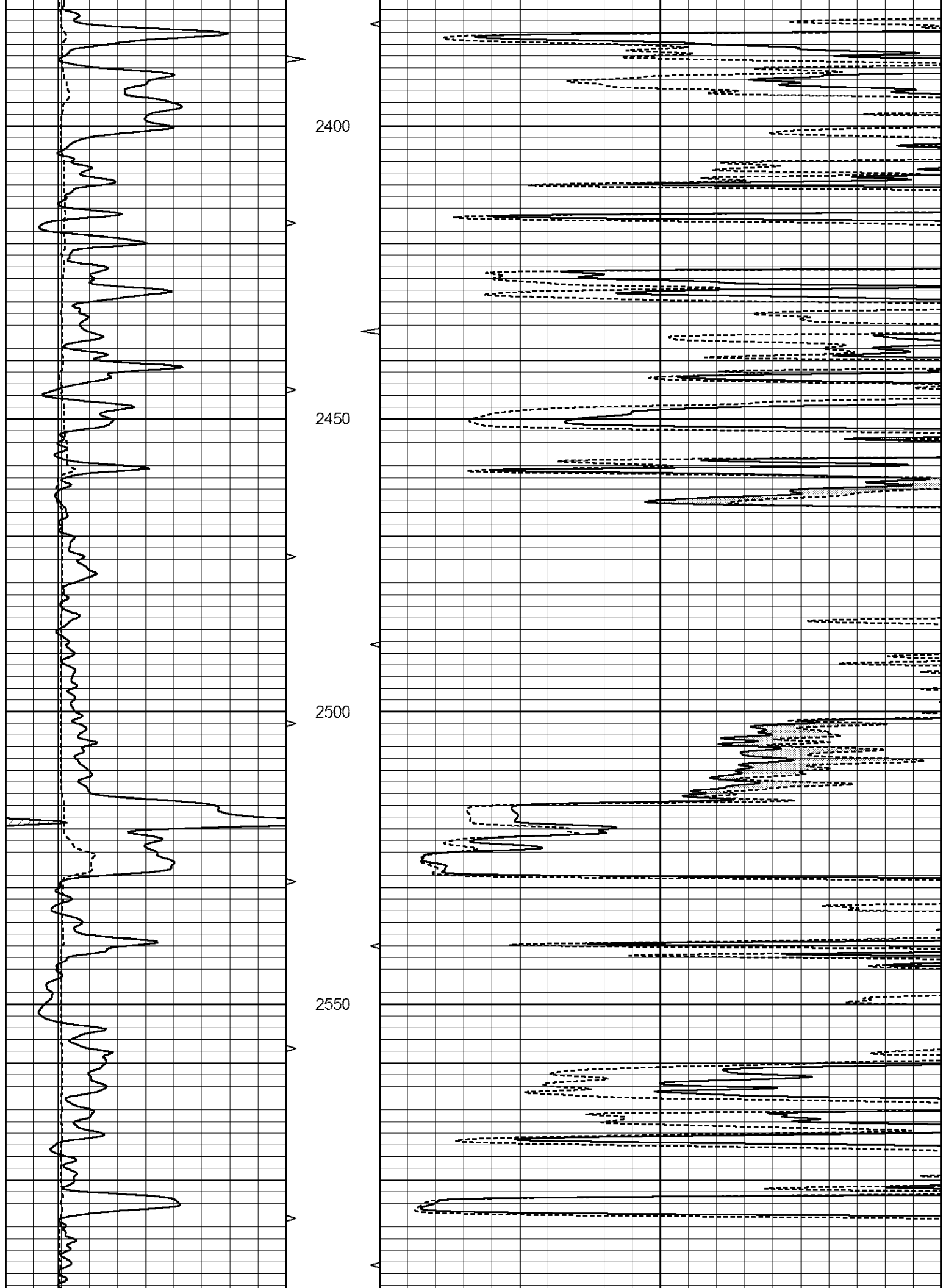


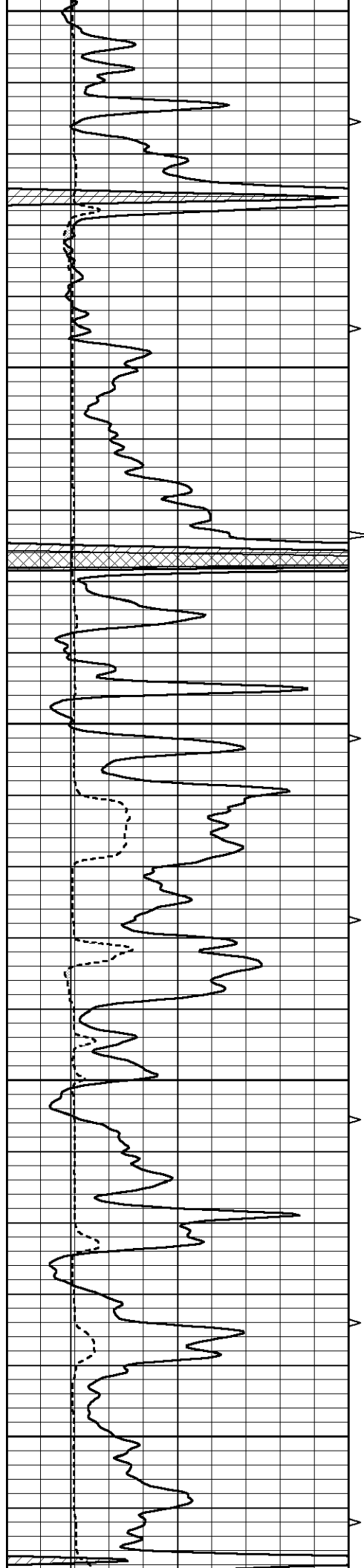
MAIN SECTION

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Dataset Pathname	pass8.1
Presentation Format	_micro
Dataset Creation	Wed Oct 11 21:40:18 2017
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		







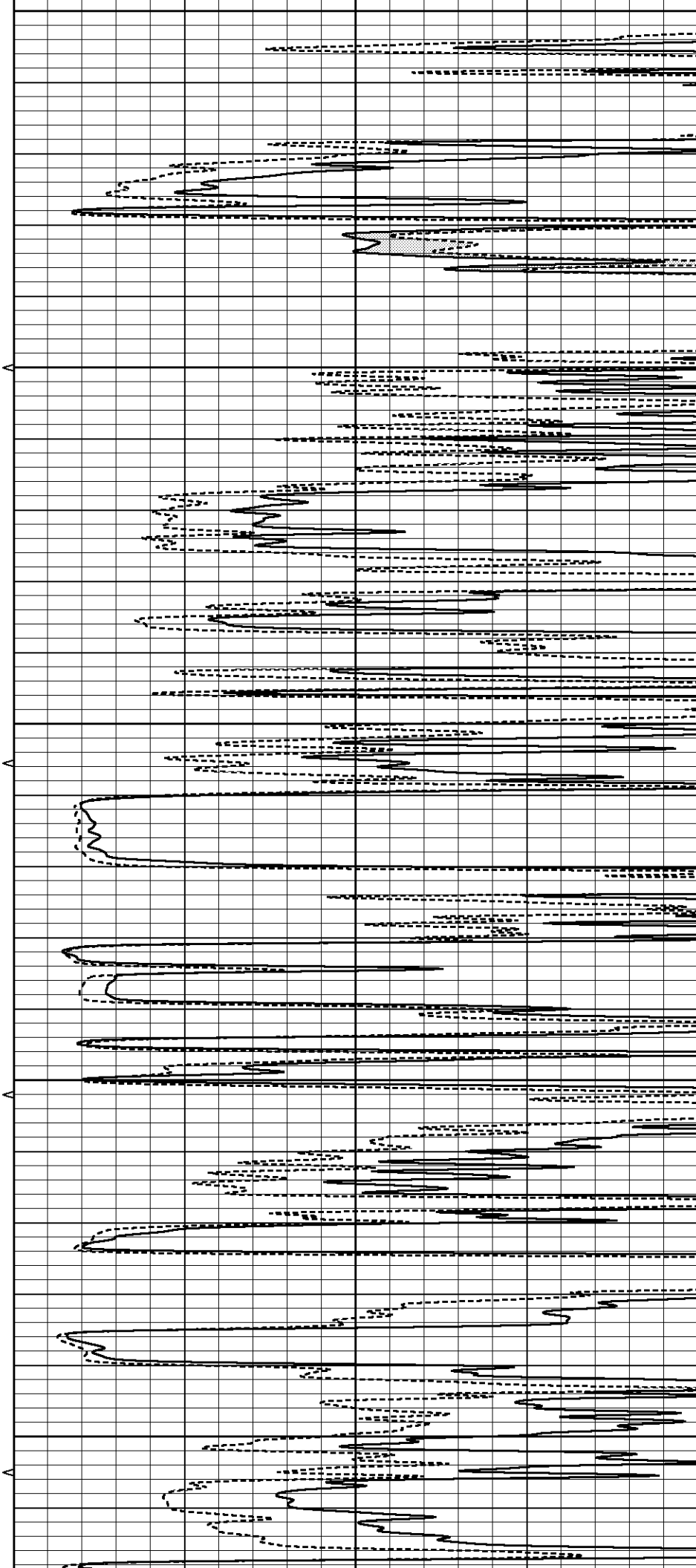
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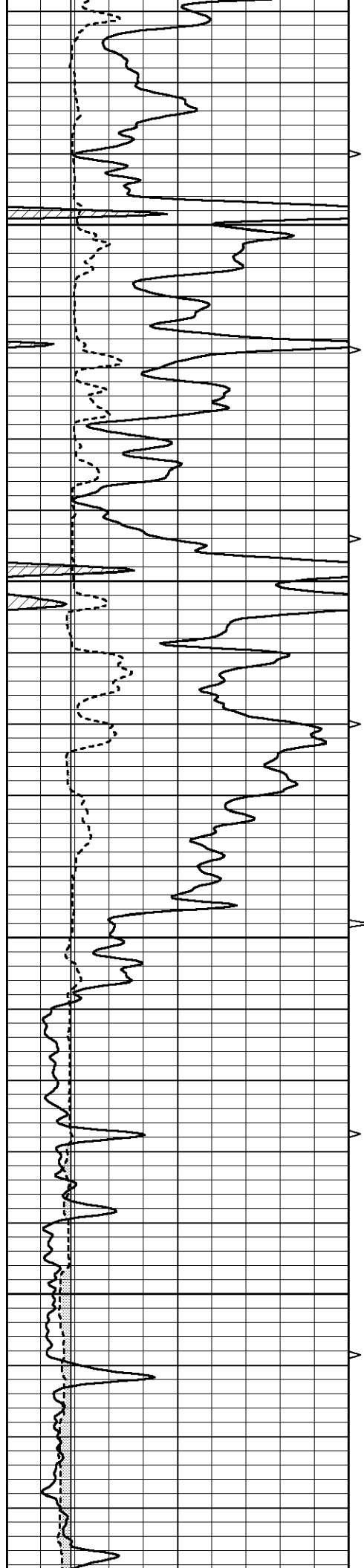
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2700

2750

2800



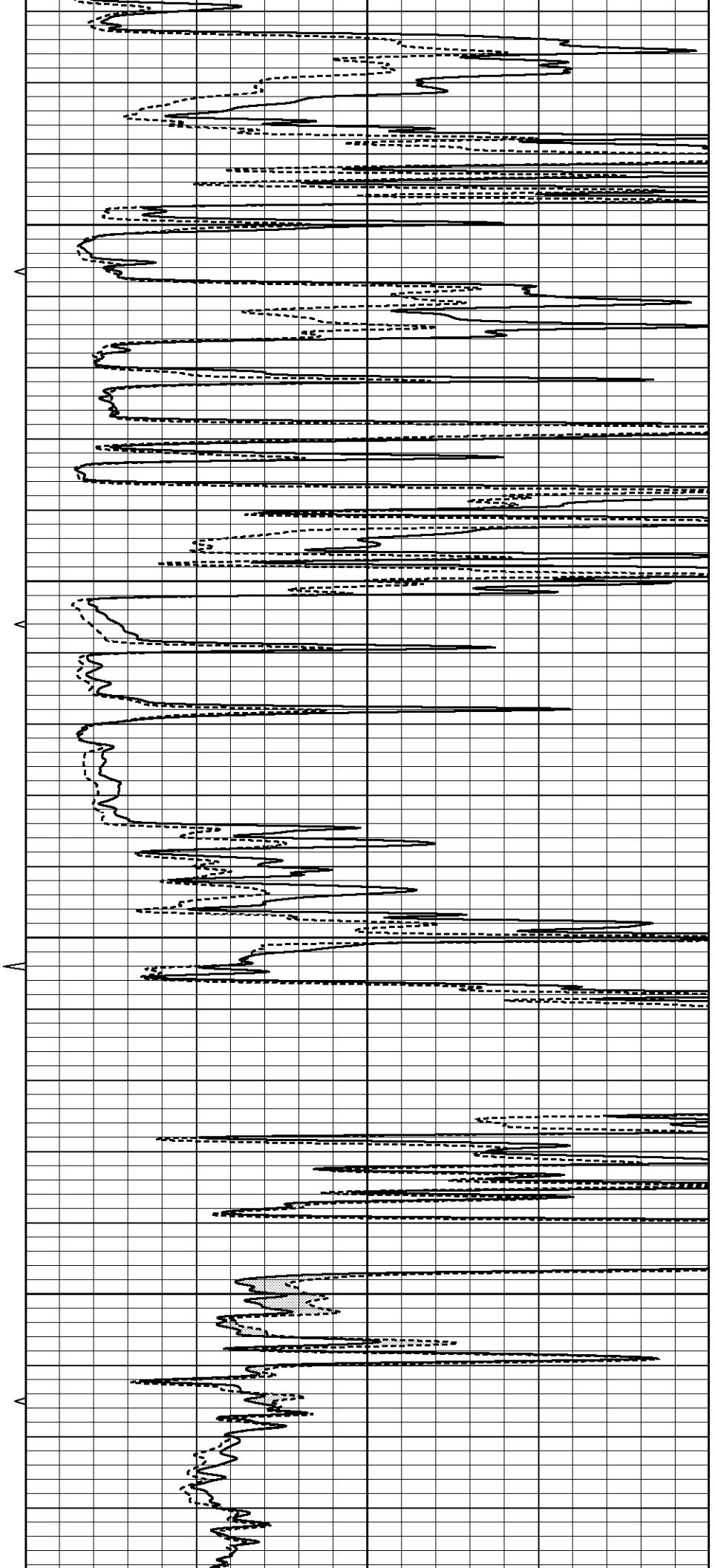


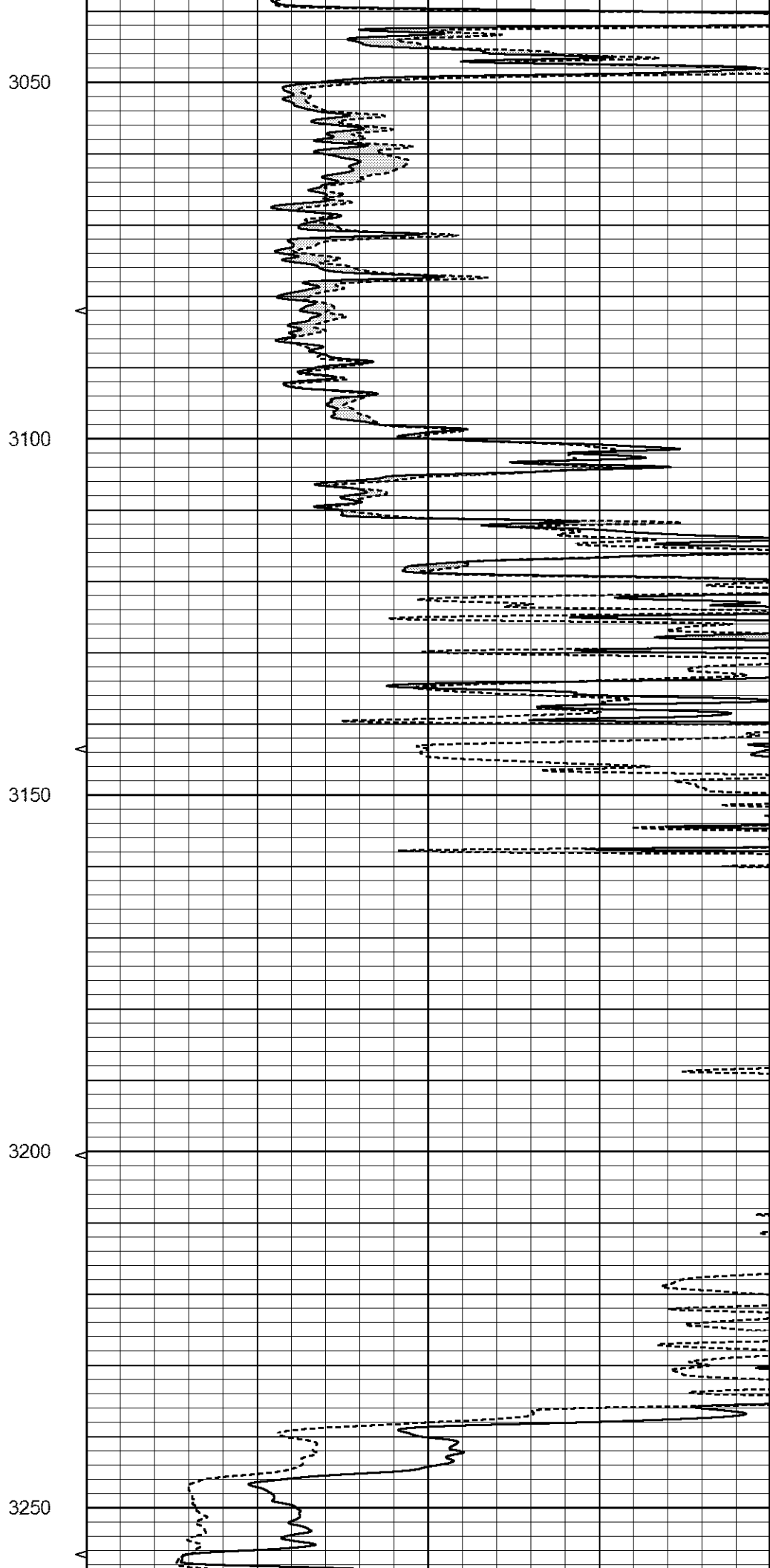
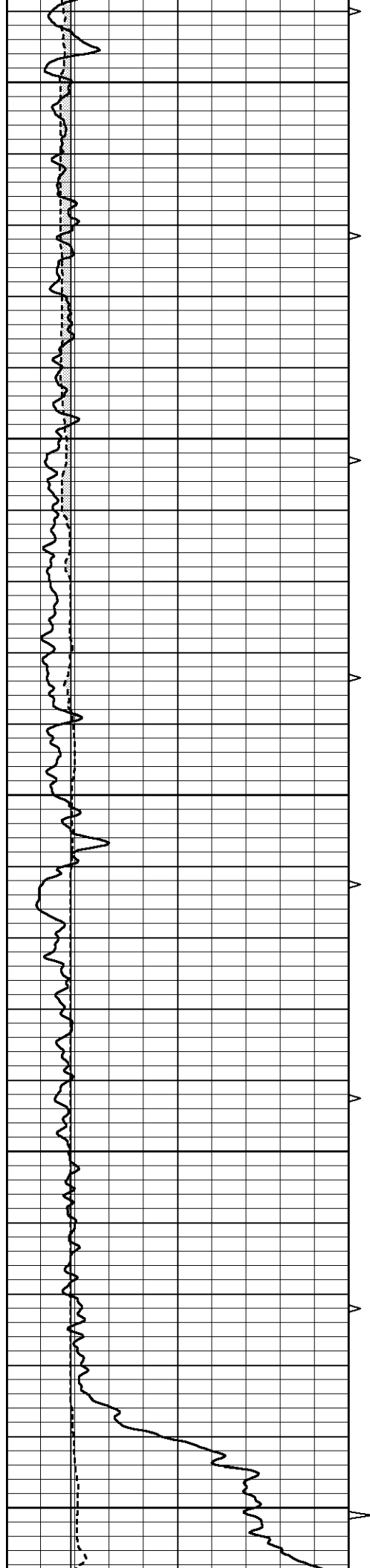
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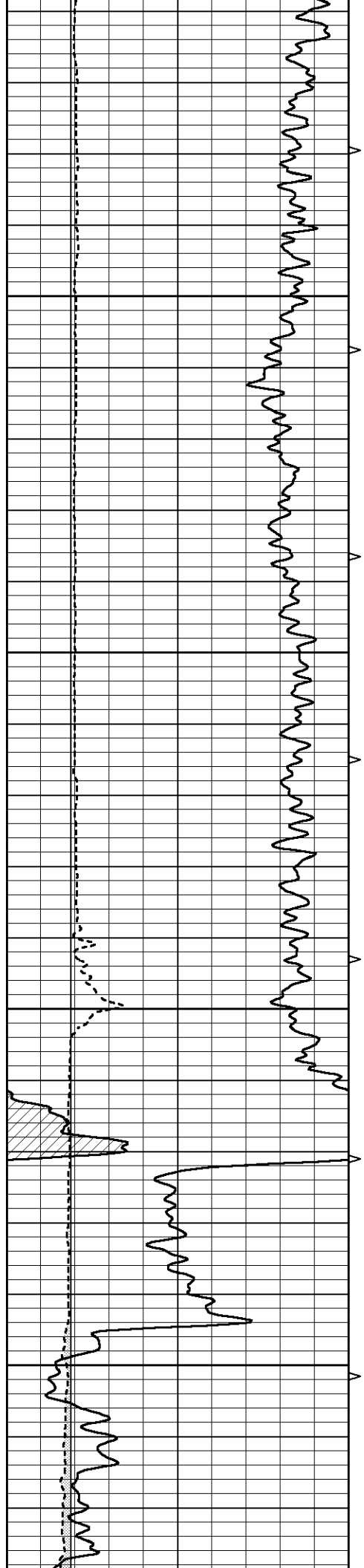
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2950

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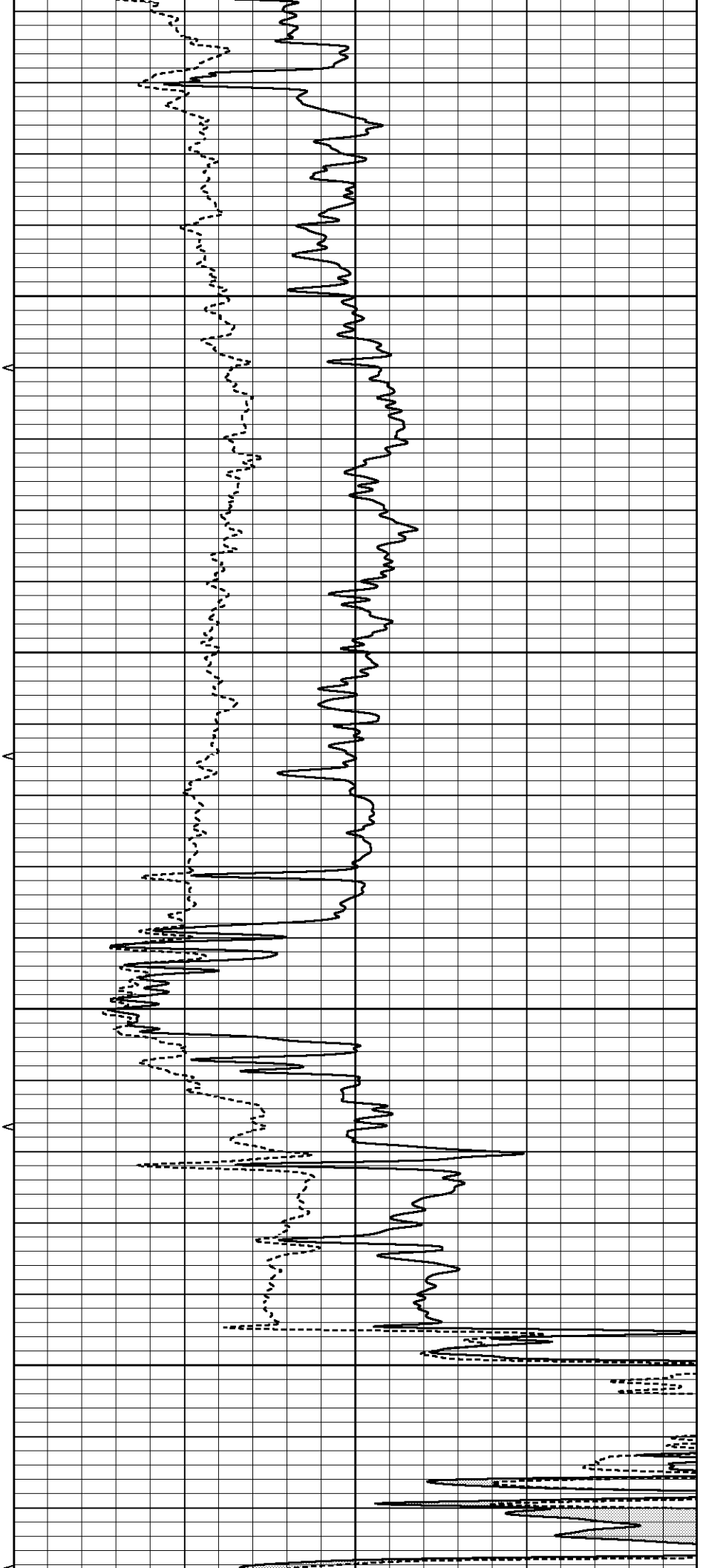


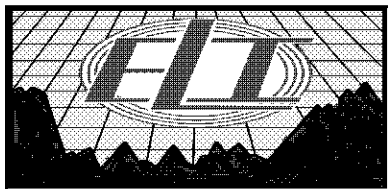
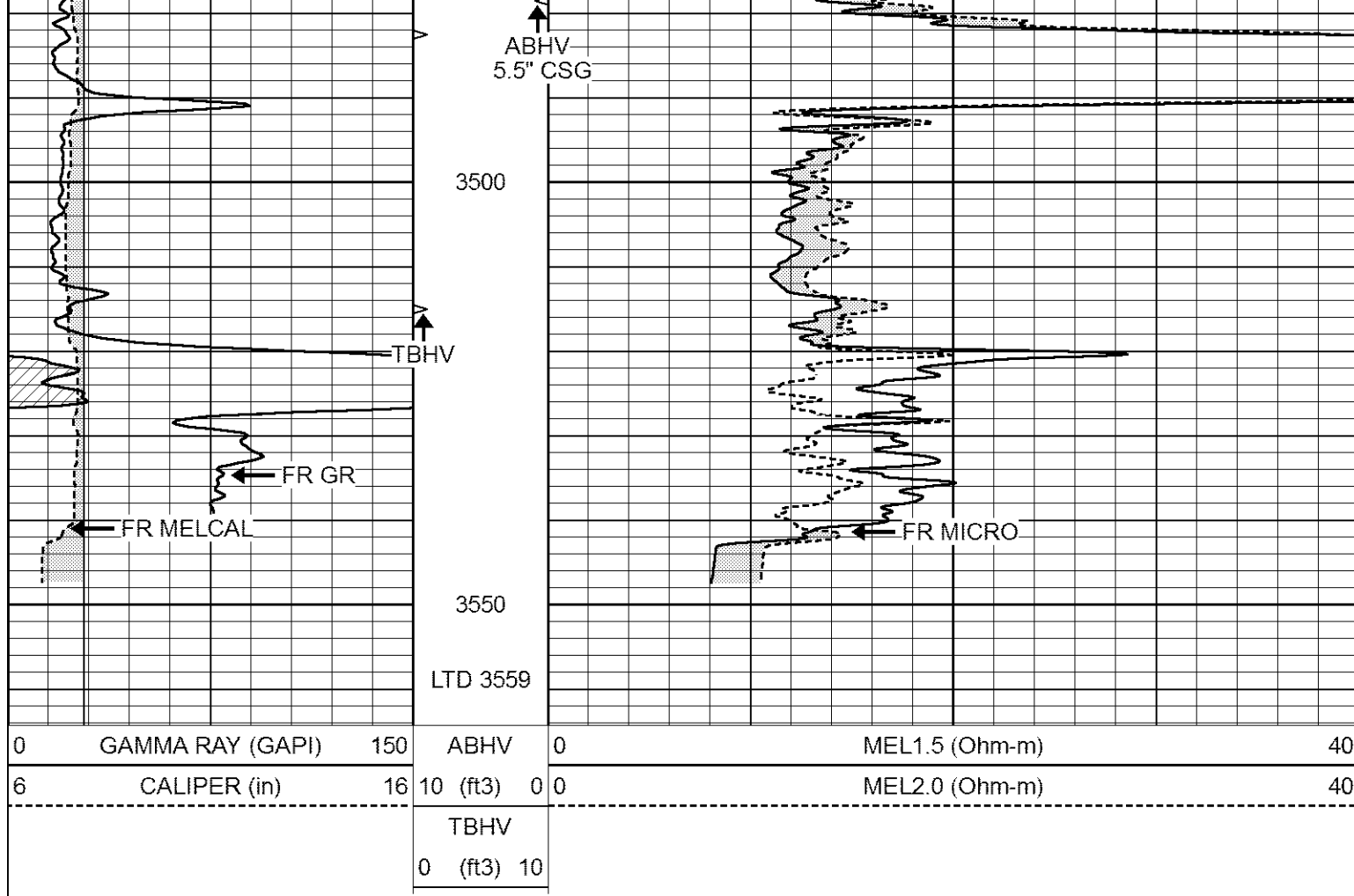
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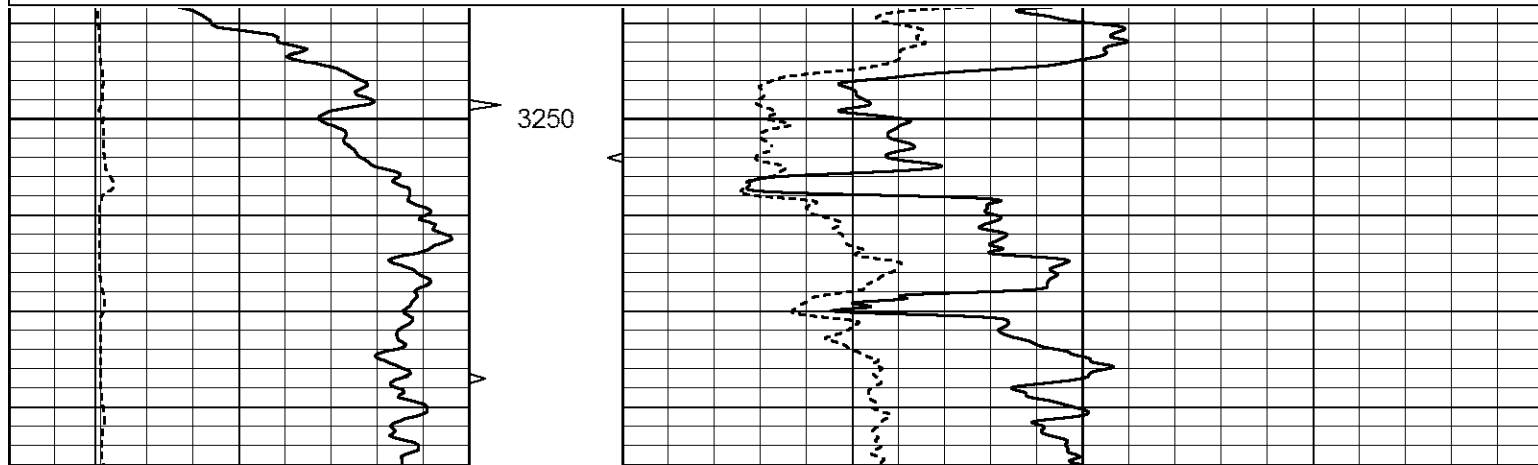


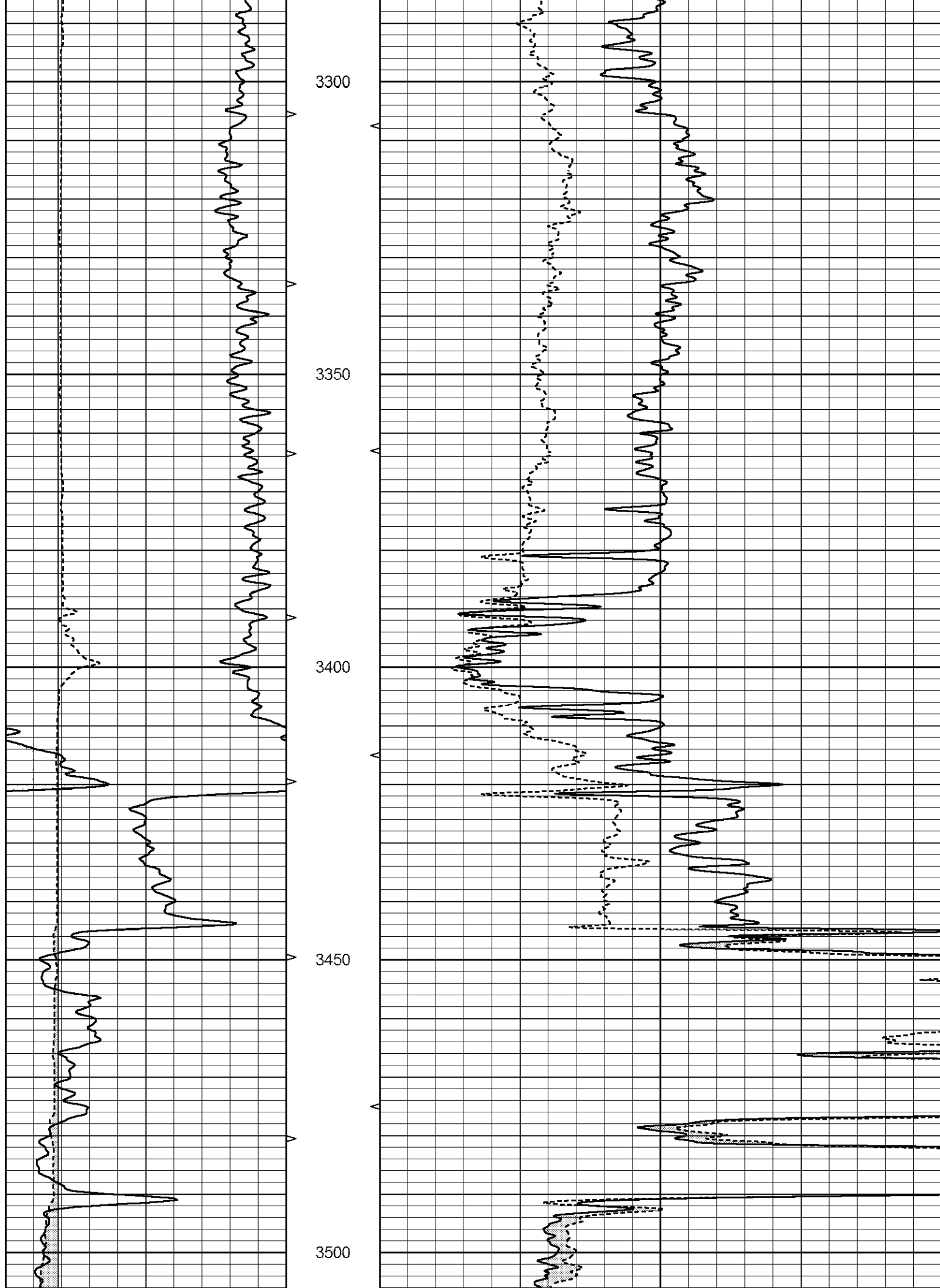


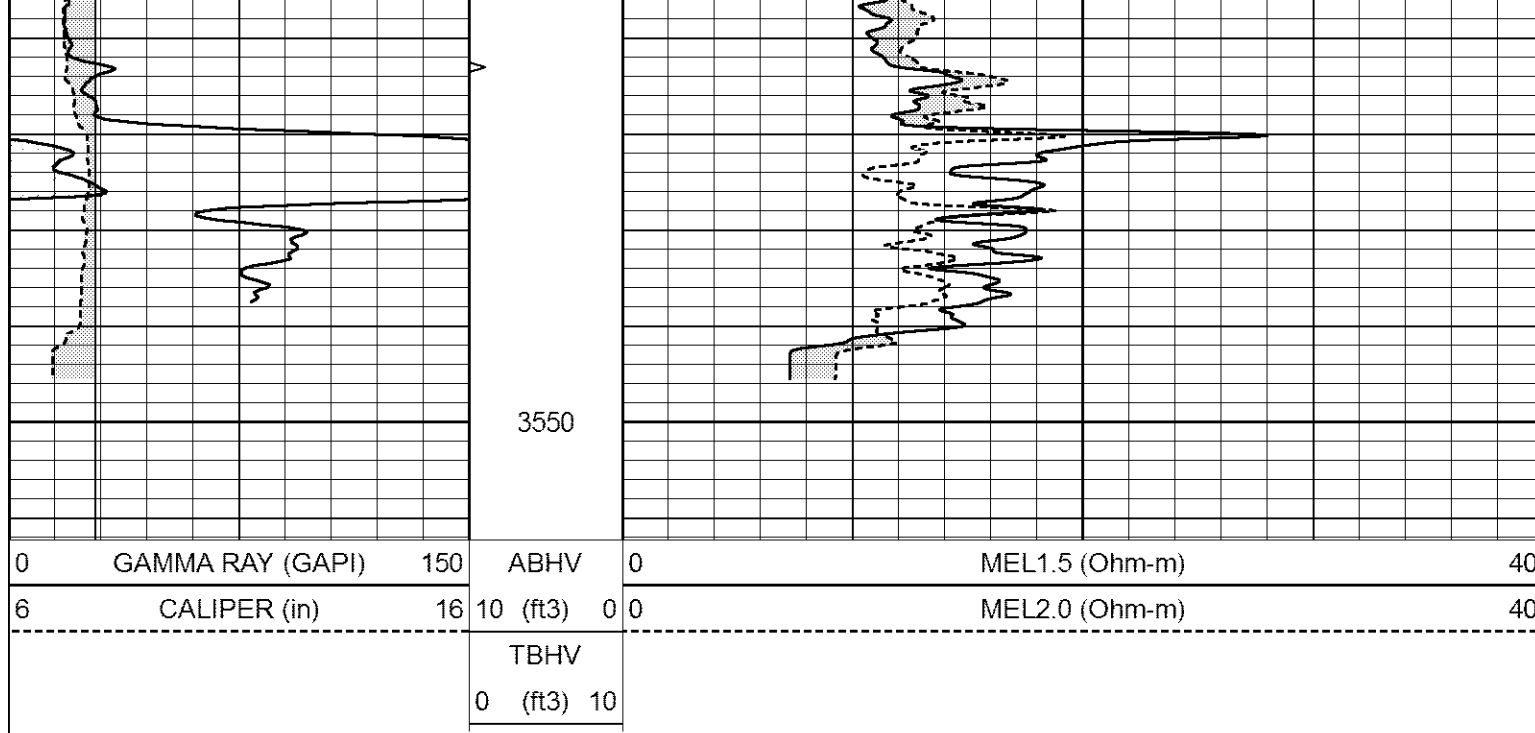
REPEAT SECTION

Database File 1788ddn8.db
 Dataset Pathname pass7.1
 Presentation Format _micro
 Dataset Creation Wed Oct 11 21:16:19 2017
 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	1788ddn8.db	
Dataset Pathname	pass7.1	
Dataset Creation	Wed Oct 11 21:16:19 2017	

MICRO_USR Calibration Report			
Serial Number:	070911		
Tool Model:	ProbeL		
Performed:	Thu Dec 08 13:09:11 2016		
Caliper Calibration:	Gain=4.161	Offset=1.500	
References	Low Cal	High Cal	
Readings	8.000	14.000	
	1.333	2.775	
1.5" Calibration:	Gain=37.000	Offset=0.000	
References	Low Cal	High Cal	
Readings	0.000	20.000	
	0.004	0.843	
2" Calibration:	Gain=35.000	Offset=0.650	
References	Low Cal	High Cal	
Readings	0.000	20.000	
	0.021	0.810	

Microlog Calibration Report

Serial-Model:		070911-ProbeL						
Performed:		Sat Apr 11 01:13:01 2015						
Readings			References				Results	
	Zero	Cal		Zero	Cal		m	b
Normal	0.0002	0.4836	V	0.0000	10.0000	Ohm-m	20.6908	-0.0051
Inverse	0.0018	0.6297	V	0.0000	10.0000	Ohm-m	15.9263	-0.0282
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:	0.4300	GAPI/cps