



**SUPERIOR**  
Hays,  
Kansas

**MICRO**  
LOG

Company MAI OIL OPERATIONS, INC.  
Well FLEGLER A#3  
Field  
County RUSSELL  
State KANSAS

Company MAI OIL OPERATIONS, INC.  
Well FLEGLER A#3  
Field  
County RUSSELL State KANSAS

Location: API #: 15-167-23797-0000  
SEC 3 TWP 15S RGE 14W  
Permanent Datum GROUND LEVEL Elevation 1760  
Log Measured From KELLY BUSHING 8' A.G.L.  
Drilling Measured From KELLY BUSHING  
Other Services  
DIL  
CNL/CDL  
Elevation  
K.B. 1768  
D.F.  
G.L. 1760

Date	5-22-12
Run Number	TW0
Depth Driller	3310
Depth Logger	3310
Bottom Logged Interval	3308
Top Log Interval	2250
Casing Driller	375
Casing Logger	375
Bit Size	7.875
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.3 / 53
pH / Fluid Loss	11.5 / 10.0
Source of Sample	FLOWLINE
Rim @ Meas. Temp	0.54 @ 82F
Rmf @ Meas. Temp	0.41 @ 82F
Rmc @ Meas. Temp	0.65 @ 82F
Source of Rmf / Rmc	MEASURED
Rim @ BHT	0.40 @ 110F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	1:20 P.M.
Maximum Recorded Temperature	110F
Equipment Number	860
Location	HAYS, KS.
Recorded By	DAN GOTTSCHALK
Witnessed By	JIM MUSGROVE

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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.

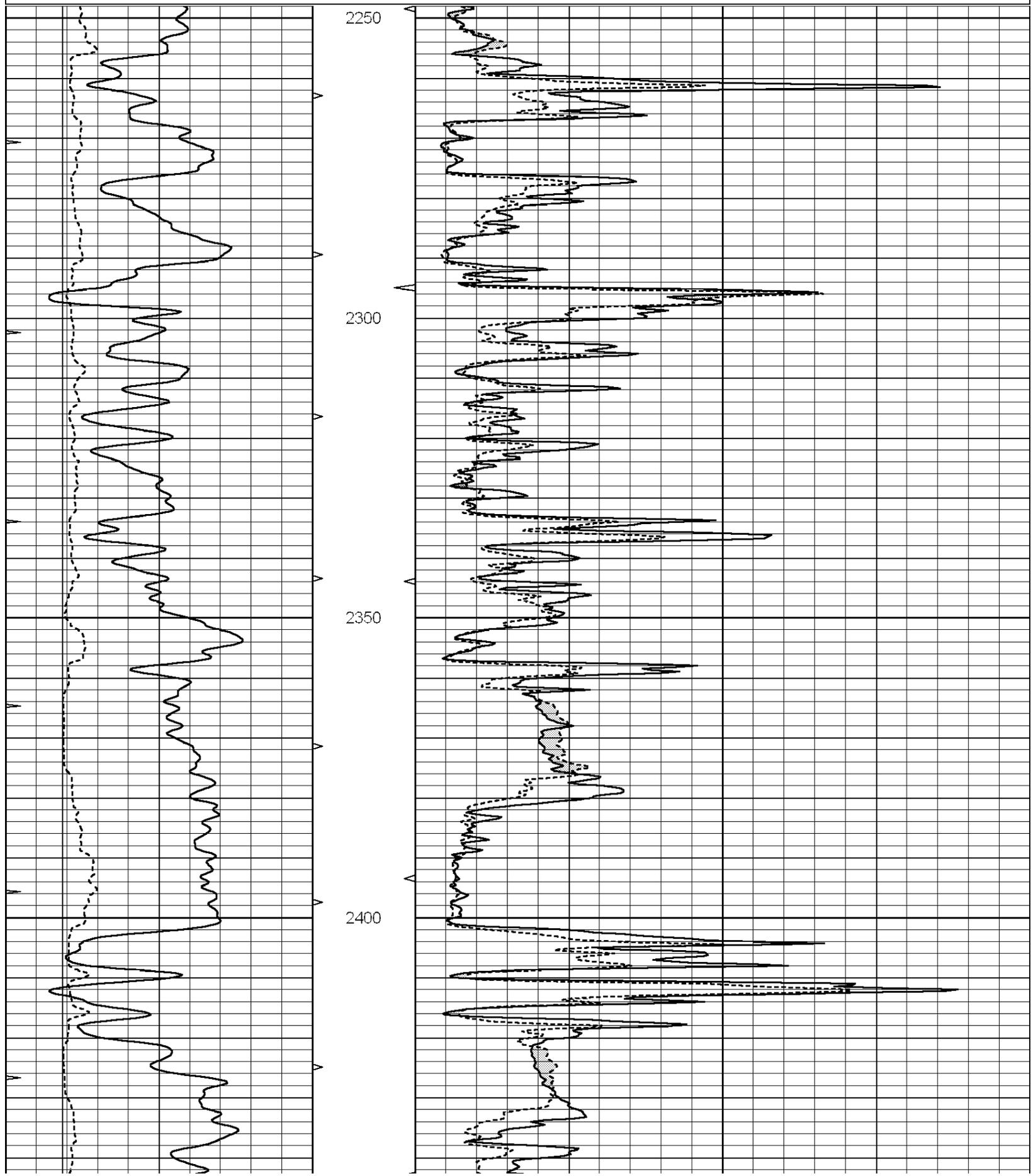
Comments

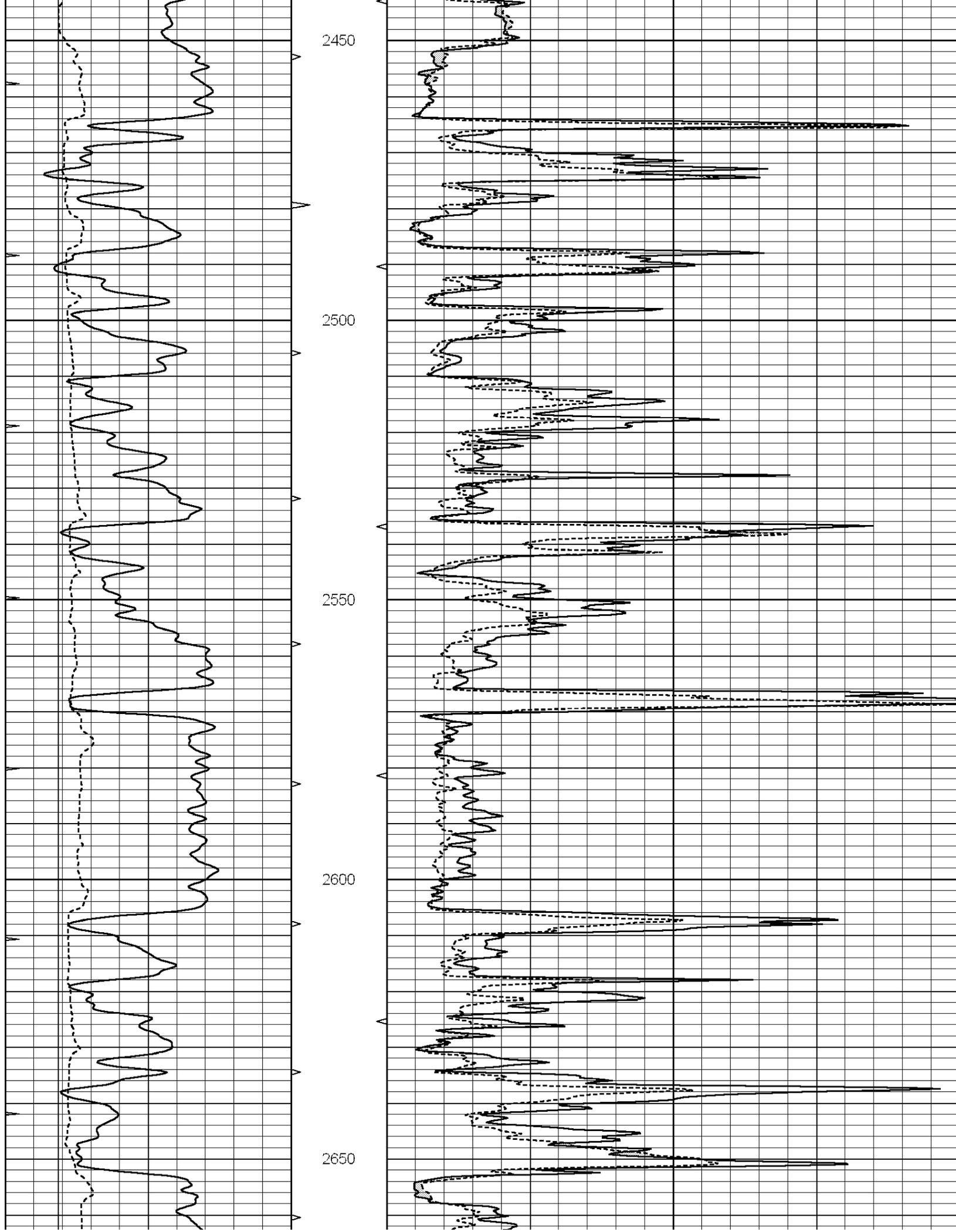
THANK YOU FOR USING SUPERIOR WELL SERVICES  
HAYS, KS. 785-628-6395

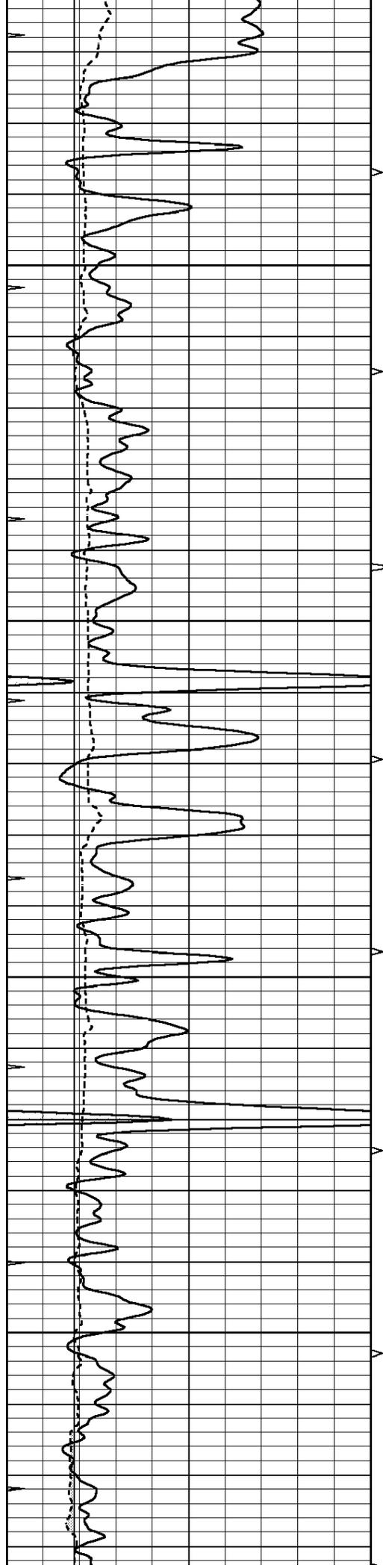
DIRECTIONS: RUSSELL - SOUTH TO WALTERS RD. - 3/4 WEST - NORTH INTO

0	GAMMA RAY (GAPI)	150
6	MELCAL (in)	16
0	MINMK	20

0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40





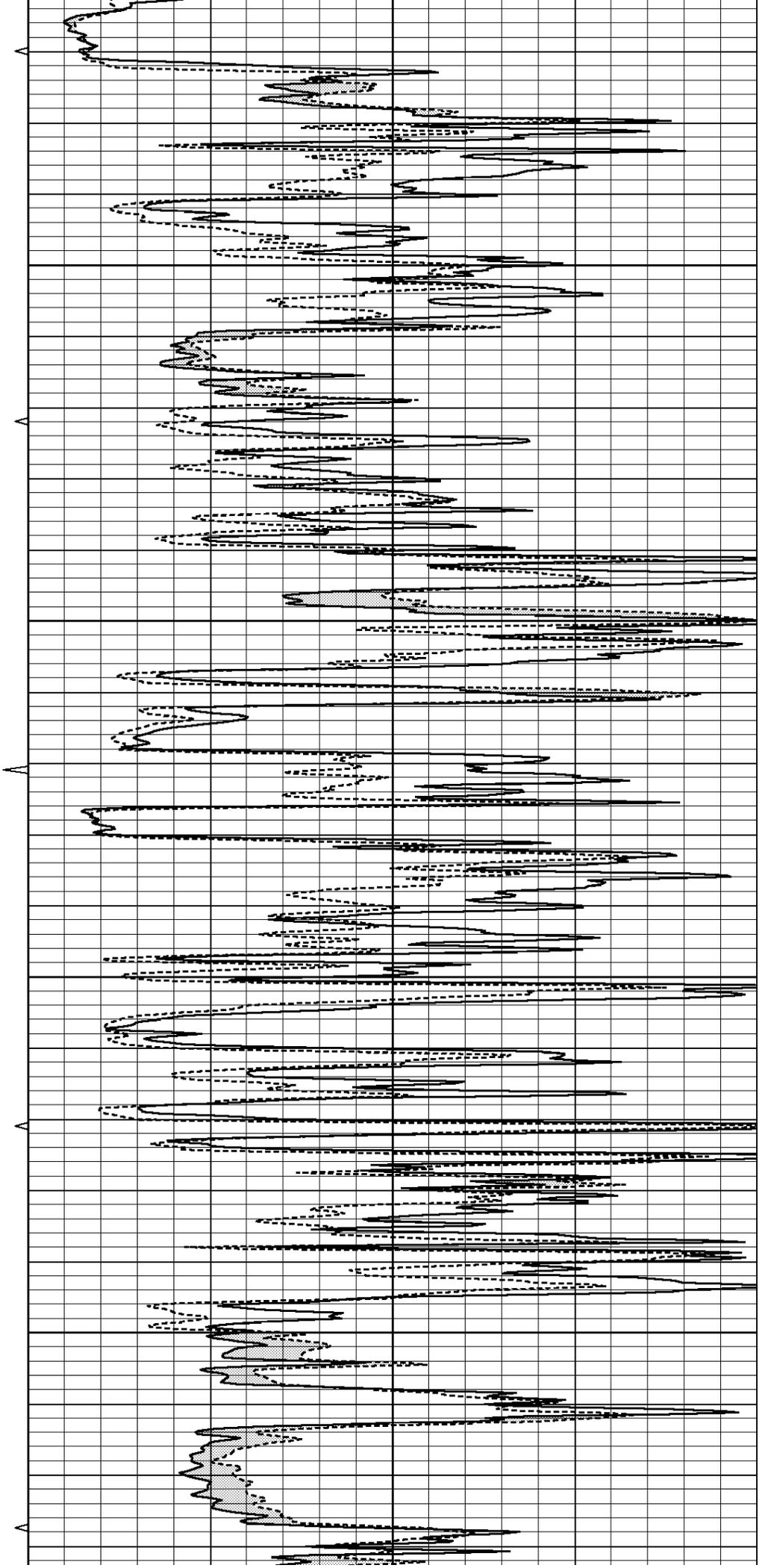


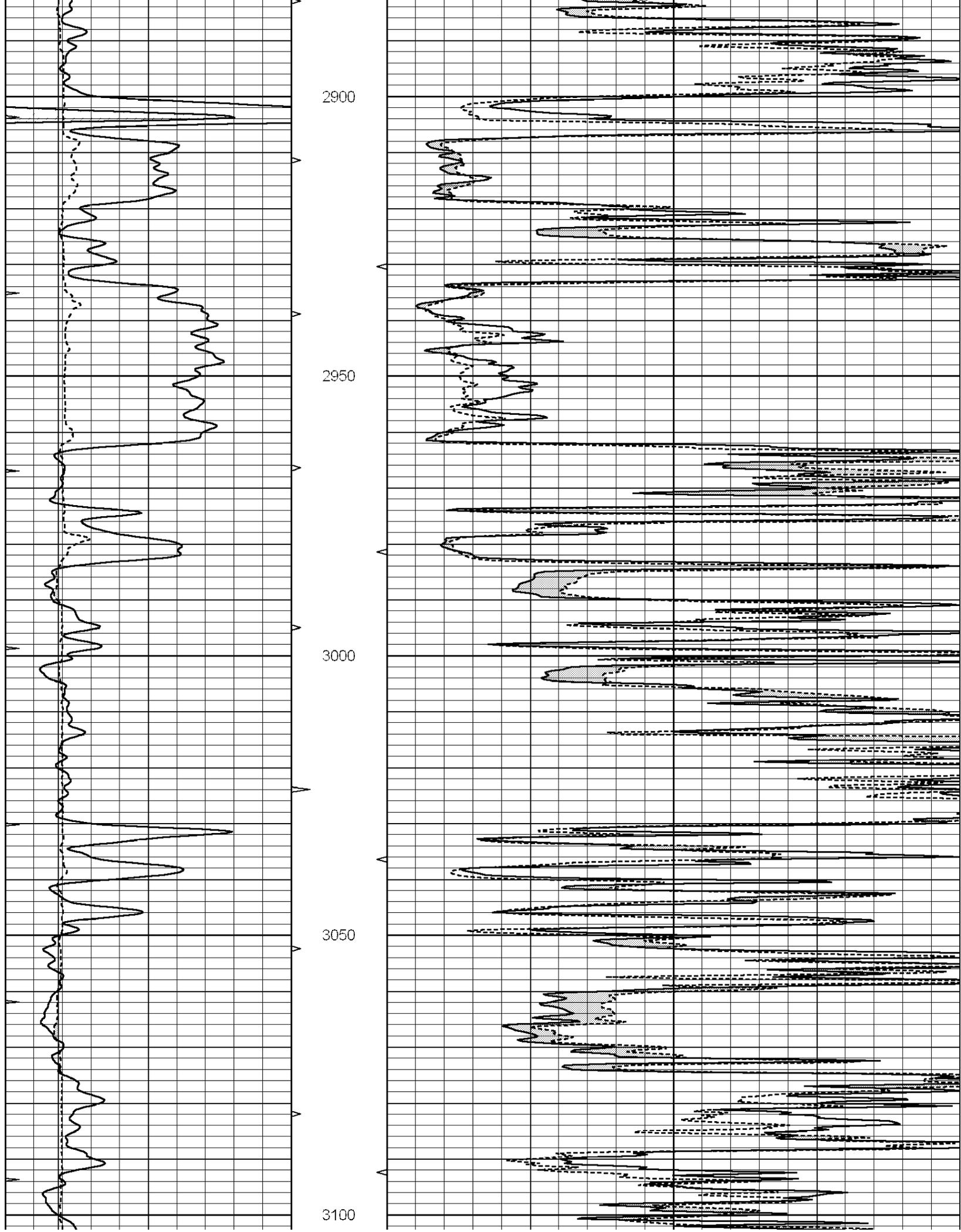
2700

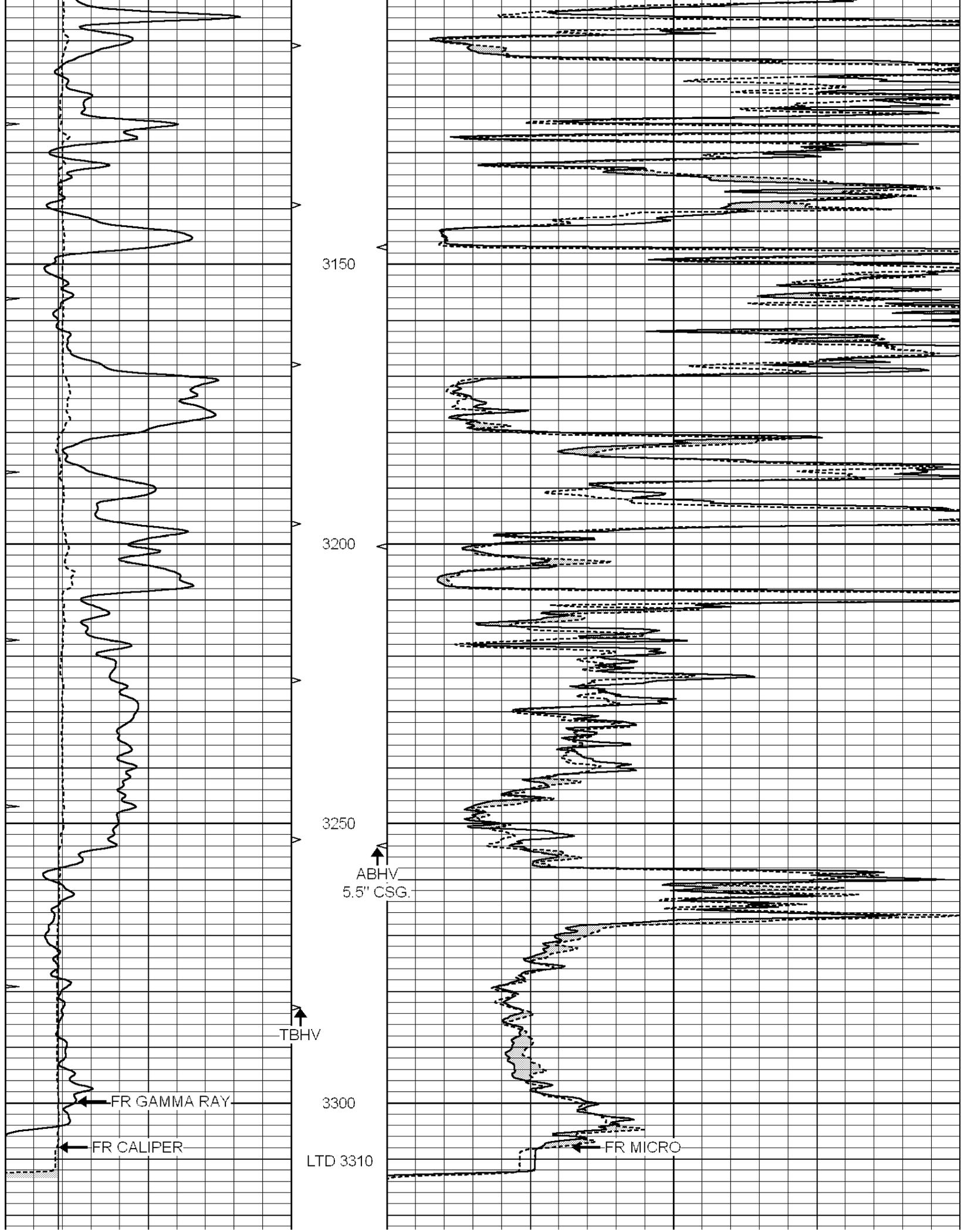
2750

2800

2850







0	GAMMA RAY (GAPI)	150
6	MELCAL (in)	16
0	MINMK	20

0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40



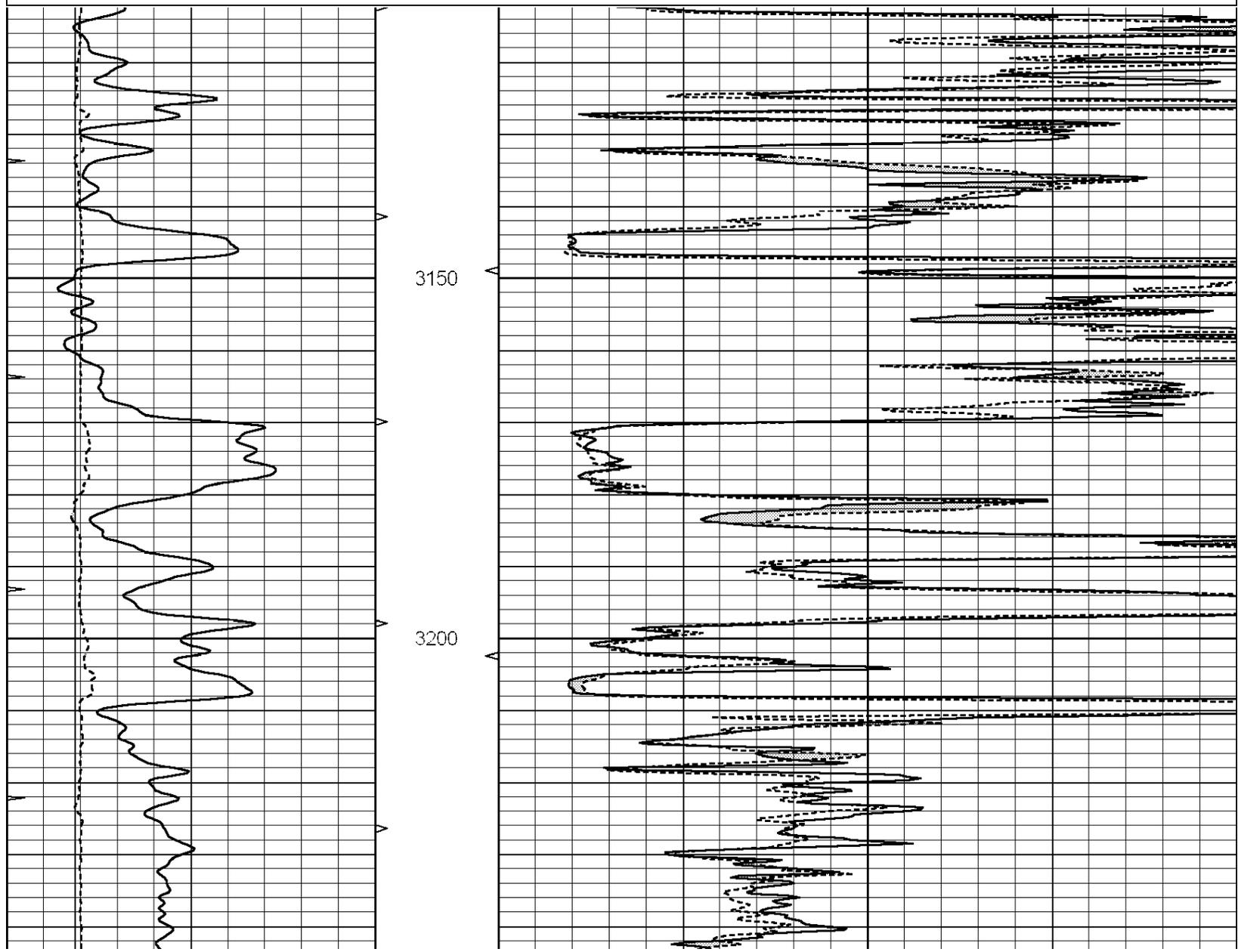
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Hays,  
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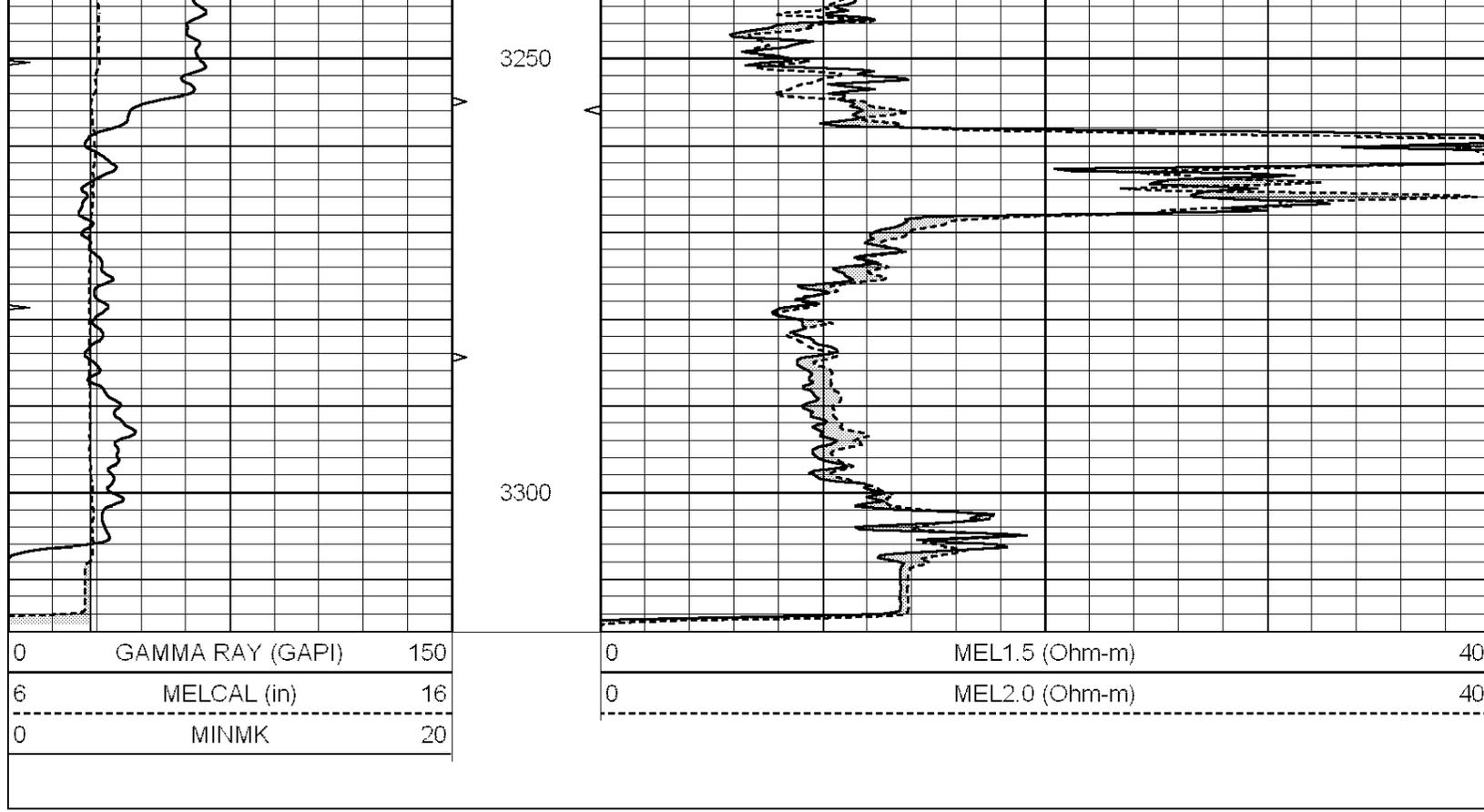
# REPEAT SECTION

Database File: 9124ddn.db  
 Dataset Pathname: pass7.1  
 Presentation Format: micro  
 Dataset Creation: Tue May 22 16:31:02 2012 by Calc Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
6	MELCAL (in)	16
0	MINMK	20

0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40





### Calibration Report

Database File: 9124ddn.db  
 Dataset Pathname: pass7  
 Dataset Creation: Tue May 22 15:37:05 2012 by Log Open-Cased 090629

#### MICRO Calibration Report

Serial Number:	MICRO4	
Tool Model:	PROBE	
Performed:	Tue May 22 00:22:09 2012	
Caliper Calibration:	Gain=1.157	Offset=1.494
References	Low Cal	High Cal
Readings	7.800	11.000
	5.449	8.214
1.5" Calibration:	Gain=40.000	Offset=-0.800
References	Low Cal	High Cal
Readings	0.000	20.000
	0.009	1.541
2" Calibration:	Gain=48.000	Offset=0.000
References	Low Cal	High Cal
Readings	0.000	20.000
	0.004	1.198

#### Gamma Ray Calibration Report

Serial Number:	GR5	
Tool Model:	OPEN	
Performed:	Tue May 22 00:12:50 2012	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps

Calibrator Reading:

1.0

cps

Sensitivity:

0.7000

GAPI/cps