



**SUPERIOR  
Hays,  
Kansas**

**MICRO  
LOG**

Company **BEREXCO, LLC.**  
Well **WOLF #5**  
Field **SCHOENCHEN**  
County **ELLIS** State **KANSAS**

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Location: **API # : 15-051-26005**  
**2310' FNL & 1647' FWL**  
SEC 16 TWP 15S RGE 18W  
Other Services **RAG**  
Permanent Datum **GROUND LEVEL** Elevation **2030**  
Log Measured From **KELLY BUSHING 11' A.G.L.**  
Drilling Measured From **KELLY BUSHING**  
Elevation **K.B. 2041**  
**D.F.**  
**G.L. 2030**

Date	7-10-10
Run Number	TW0
Depth Driller	3700
Depth Logger	3703
Bottom Logged Interval	3700
Top Log Interval	2700
Casing Driller	1193
Casing Logger	1193
Bit Size	7.785
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.1 / 54
pH / Fluid Loss	10.5 / 7.8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	0.90 @ 86F
Rmf @ Meas. Temp	0.68 @ 86F
Rmc @ Meas. Temp	1.08 @ 86F
Source of Rmf / Rmc	MEASURED
Rm @ BHT	.690 @ 112F
Time Circulation Stopped	3 HOURS
Time Logger on Bottom	12:00 A.M.
Maximum Recorded Temperature	112F
Equipment Number	860
Location	HAYS, KS.
Recorded By	RUPP
Witnessed By	BRYAN BYNOG

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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

**SUPERIOR WELL SERVICES**  
**785-628-6395**  
**THANK YOU FOR YOUR BUSINESS**  
**DIRECTIONS: MAIN STREET & ANTONINO RD., 2S, 1E, S INTO.**

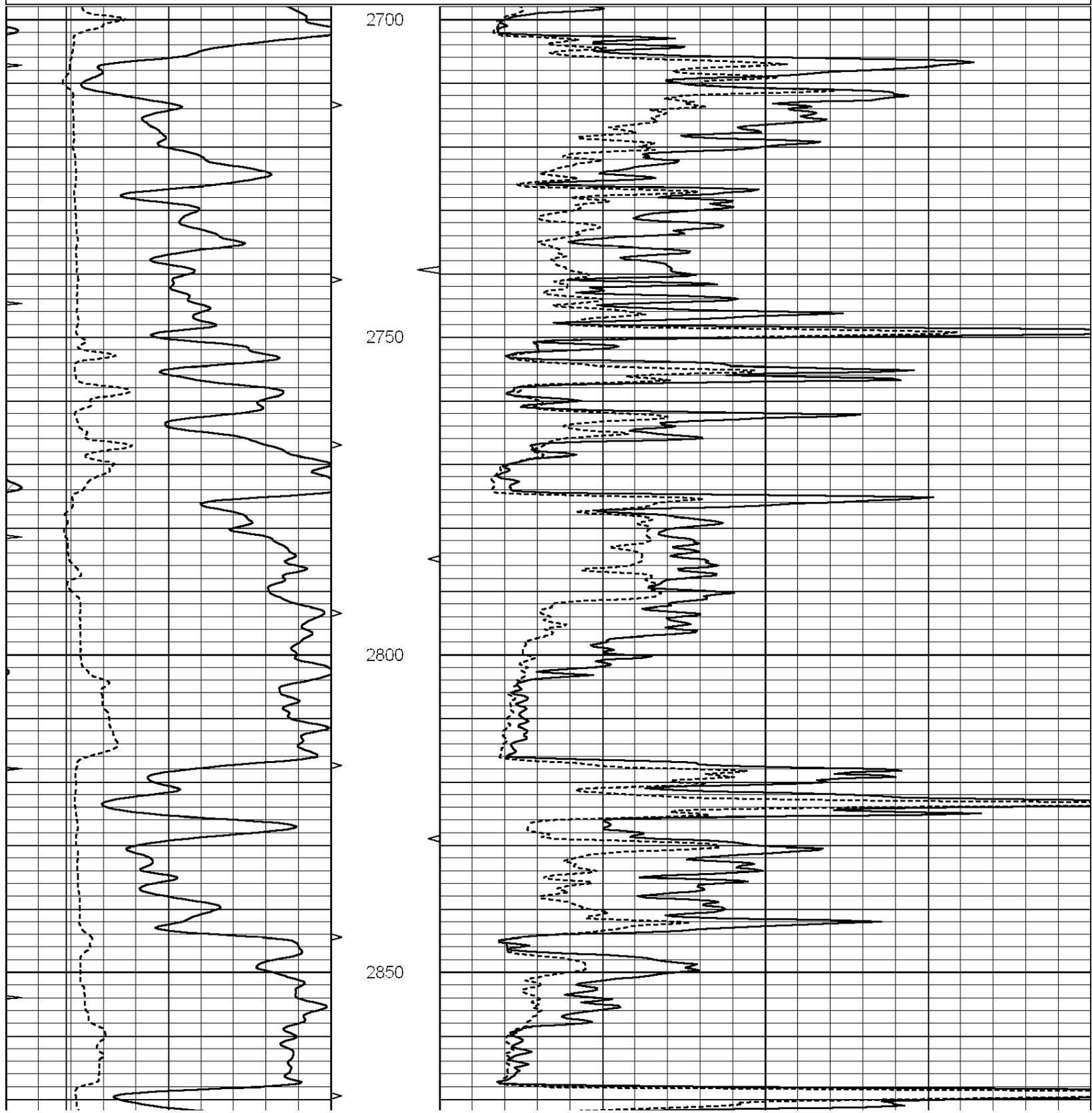


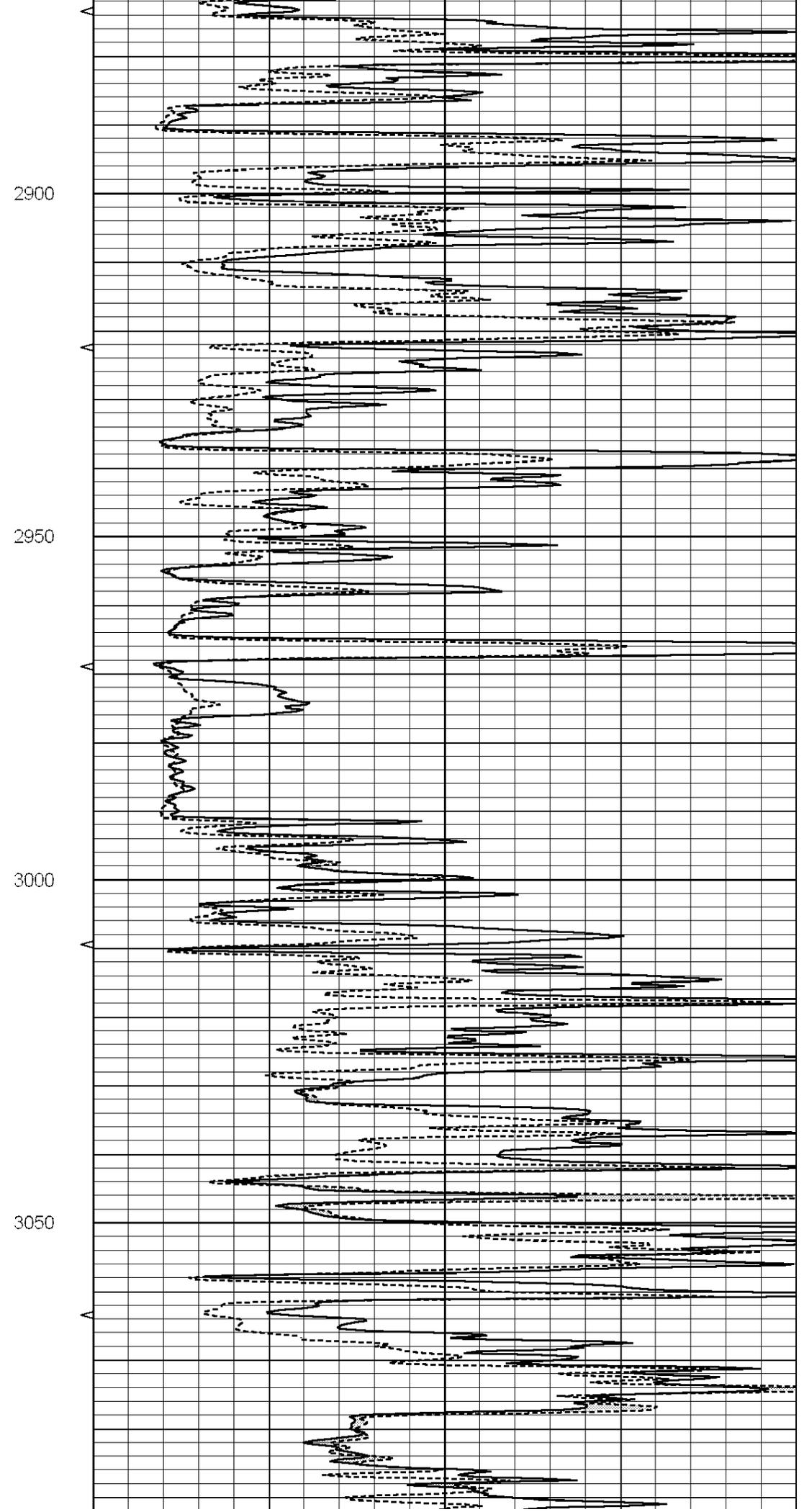
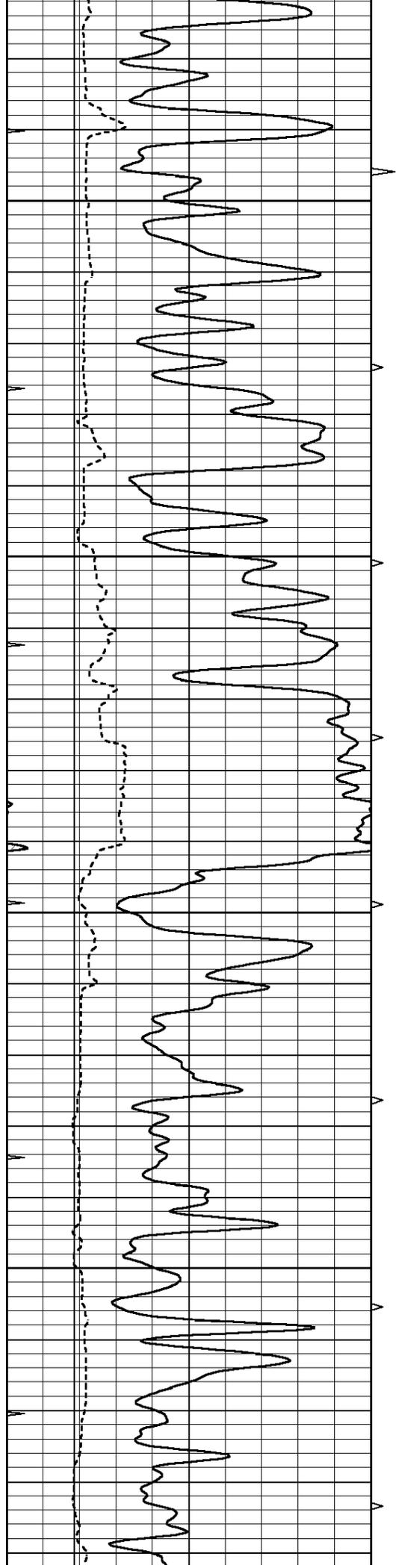
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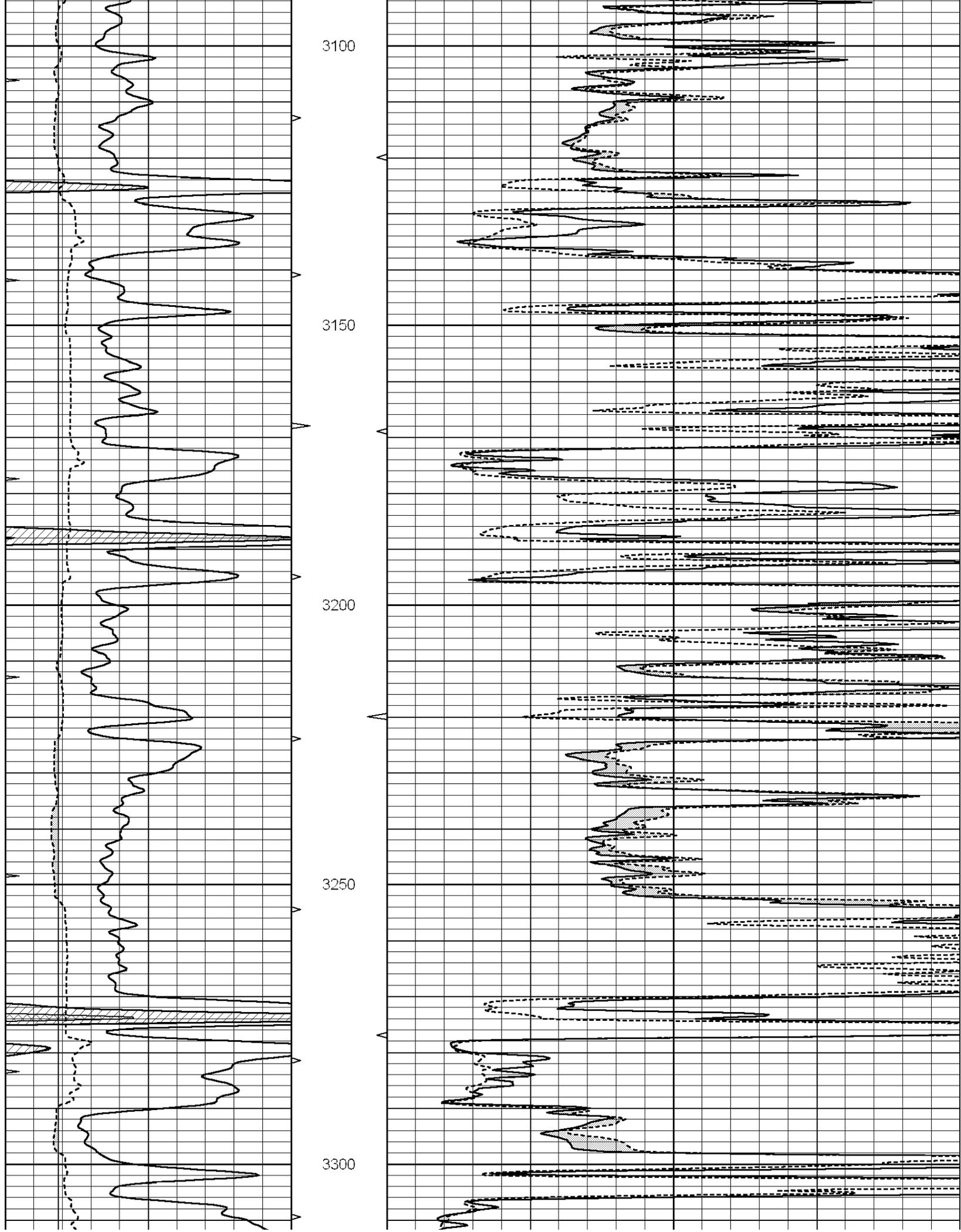
**MAIN SECTION**

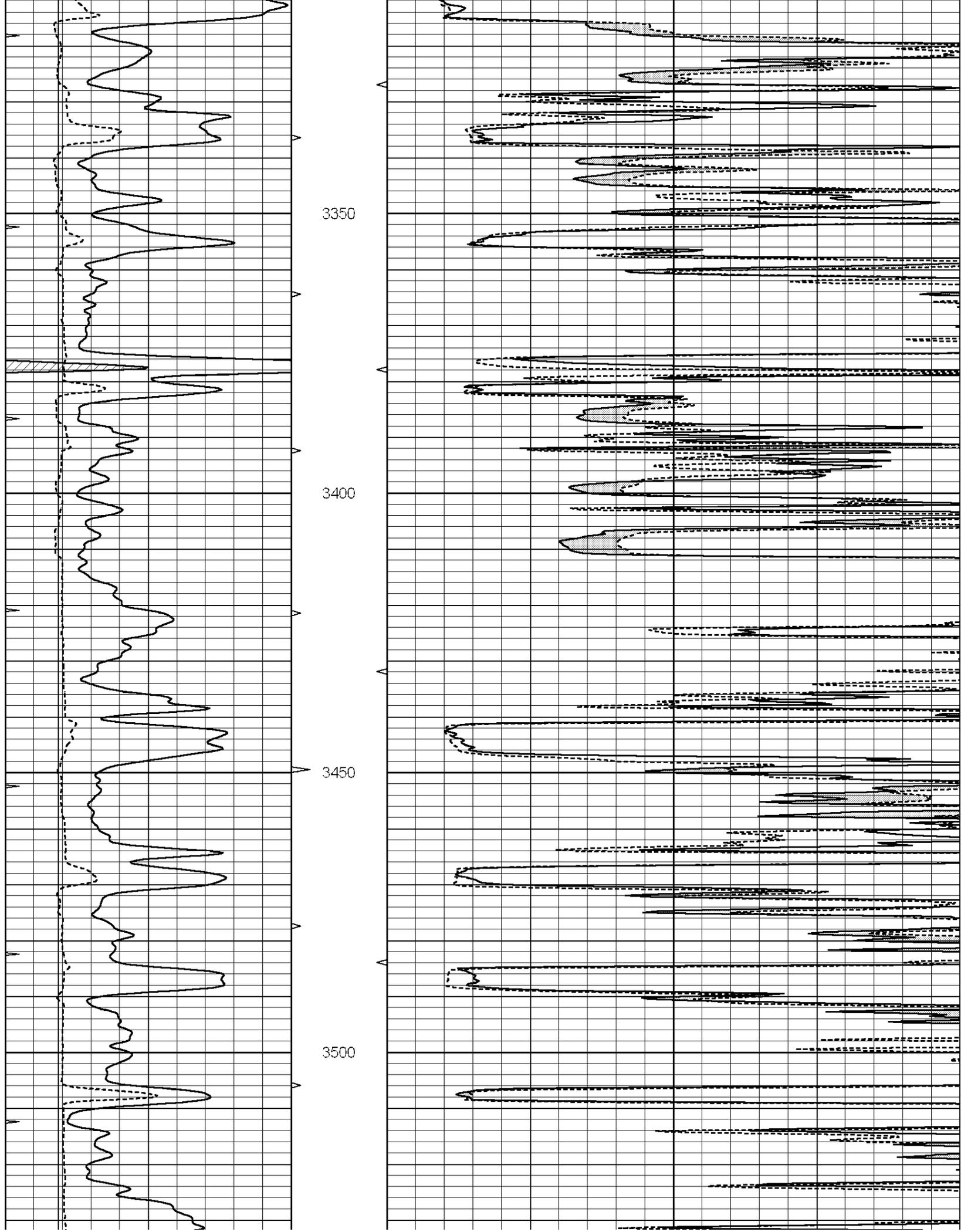
Database File: 005221rag.db  
 Dataset Pathname: pass8  
 Presentation Format: micro  
 Dataset Creation: Sat Jul 10 03:04:38 2010 by Log Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240

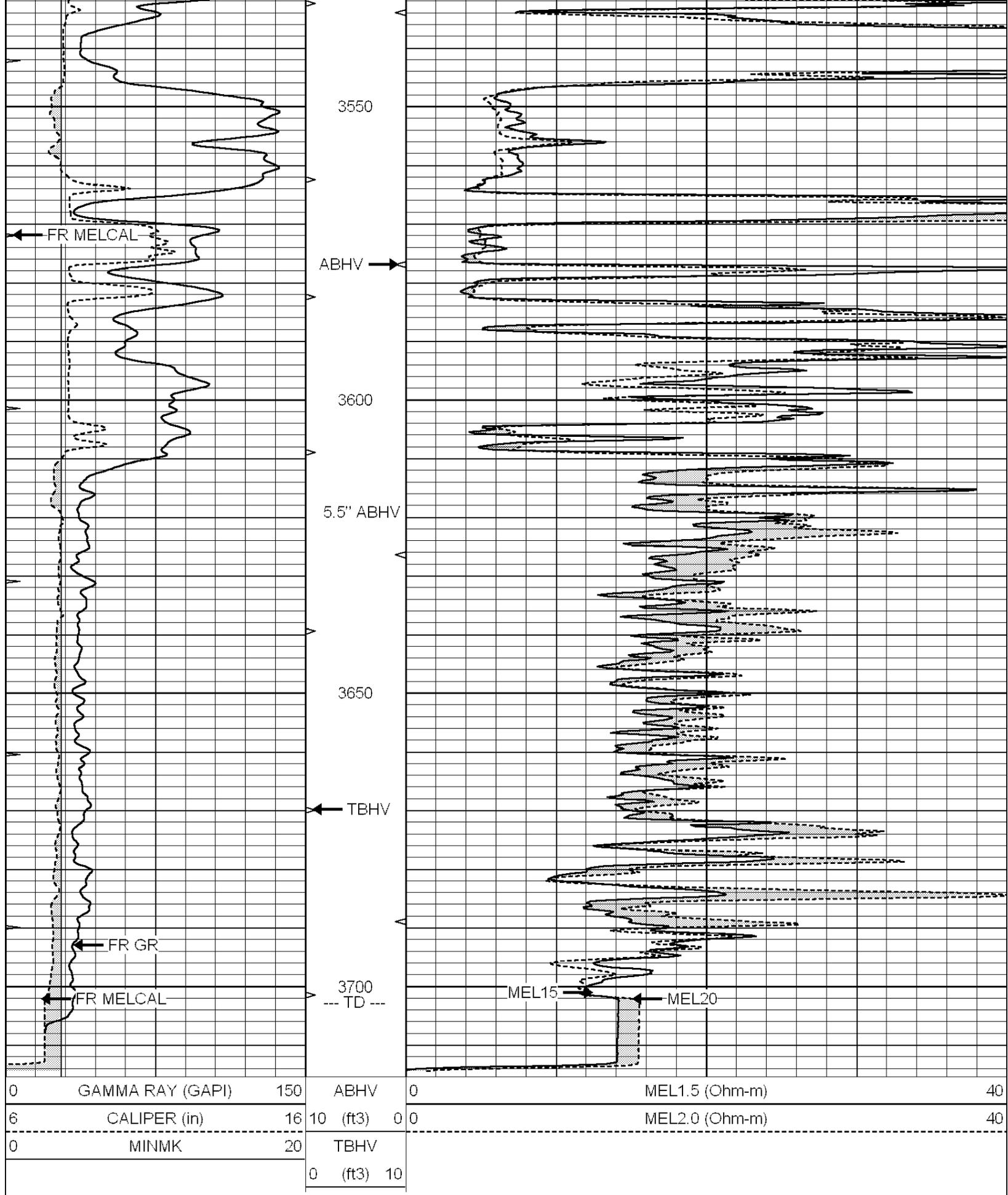
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		







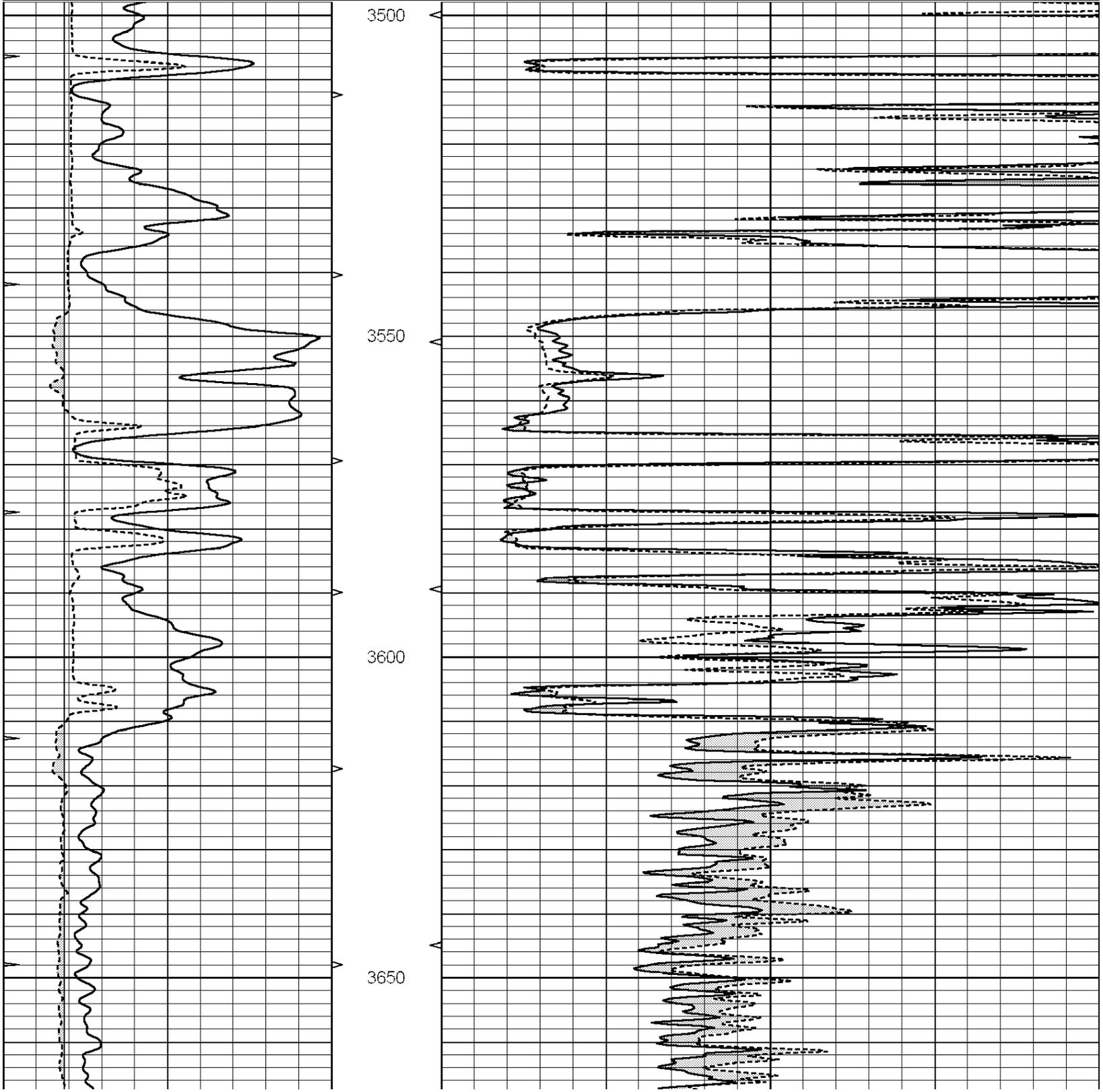


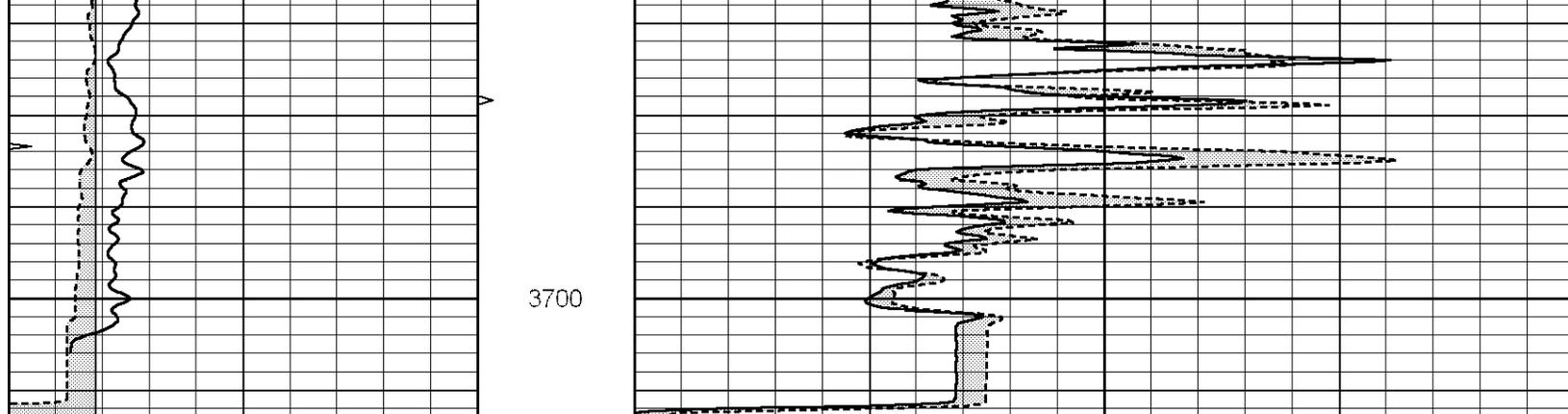




Database File: 005221rag.db  
 Dataset Pathname: pass7A  
 Presentation Format: micro  
 Dataset Creation: Sat Jul 10 03:03:40 2010 by Calc Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240

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
0	MINMK	20	TBHV			
			0 (ft3)	10		





0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		

### Calibration Report

Database File: 005221rag.db  
 Dataset Pathname: pass8  
 Dataset Creation: Sat Jul 10 03:04:38 2010 by Log Open-Cased 090629

#### MICRO Calibration Report

Serial Number:	MICRO4	
Tool Model:	PROBE	
Performed:	Sat Jul 10 03:04:25 2010	
Caliper Calibration:	Gain=2.416	Offset=-5.903
References	Low Cal	High Cal
Readings	8.300	14.000
	5.879	8.239
1.5" Calibration:	Gain=42.000	Offset=0.000
References	Low Cal	High Cal
Readings	0.000	20.000
	0.009	1.541
2" Calibration:	Gain=36.000	Offset=1.200
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:	Sat Jul 10 02:59:34 2010	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.6800	GAPI/cps