



**SUPERIOR**  
Hays,  
Kansas

**MICRO  
LOG**

Company ANSHUTZ OIL  
Well HEARD "A" #3  
Field HALL - GURNEY  
County RUSSELL  
State KANSAS

Company ANSHUTZ OIL  
Well HEARD "A" #3  
Field HALL - GURNEY  
County RUSSELL State KANSAS

Location: API # : 15-167-23560-0000  
1650' FSL & 660' FWL  
S/2 - NW - SW  
SEC 30 TWP 14S RGE 12W  
Permanent Datum GROUND LEVEL Elevation 1694  
Log Measured From KELLY BUSHING 8' A.G.L.  
Drilling Measured From KELLY BUSHING  
Other Services  
RAG/SP  
Elevation  
K.B. 1702  
D.F. 1700  
G.L. 1694

Date	2/2/09
Run Number	TWO
Depth Driller	3375
Depth Logger	3376
Bottom Logged Interval	3374
Top Log Interval	2100
Casing Driller	8 5/8"@655'
Casing Logger	654
Bit Size	7 7/8
Type Fluid In Hole	CHEMICAL MUD
Density / Viscosity	9.3/48
pH / Fluid Loss	8.5/10.4
Source of Sample	FLOWLINE
Rm @ Meas. Temp	1.00@60F
Rmf @ Meas. Temp	.750@60F
Rmc @ Meas. Temp	1.20@60F
Source of Rmf / Rmc	MEASUREMENT
Rm @ BHT	.545@110F
Time Circulation Stopped	3.5 HOURS
Time Logger on Bottom	10:45 P.M.
Maximum Recorded Temperature	110F
Equipment Number	0836
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	BRAD HUTCHISON

<<< Fold Here >>>

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 SERVICE HAYS, KANSAS (785)628-6395  
DIRECTIONS  
BUNKER HILL, KS. & I-70, 3 1/2S. ON BLKTOP, E. INTO @ TANK BATTERY THEN BACK NORTH & E. IN

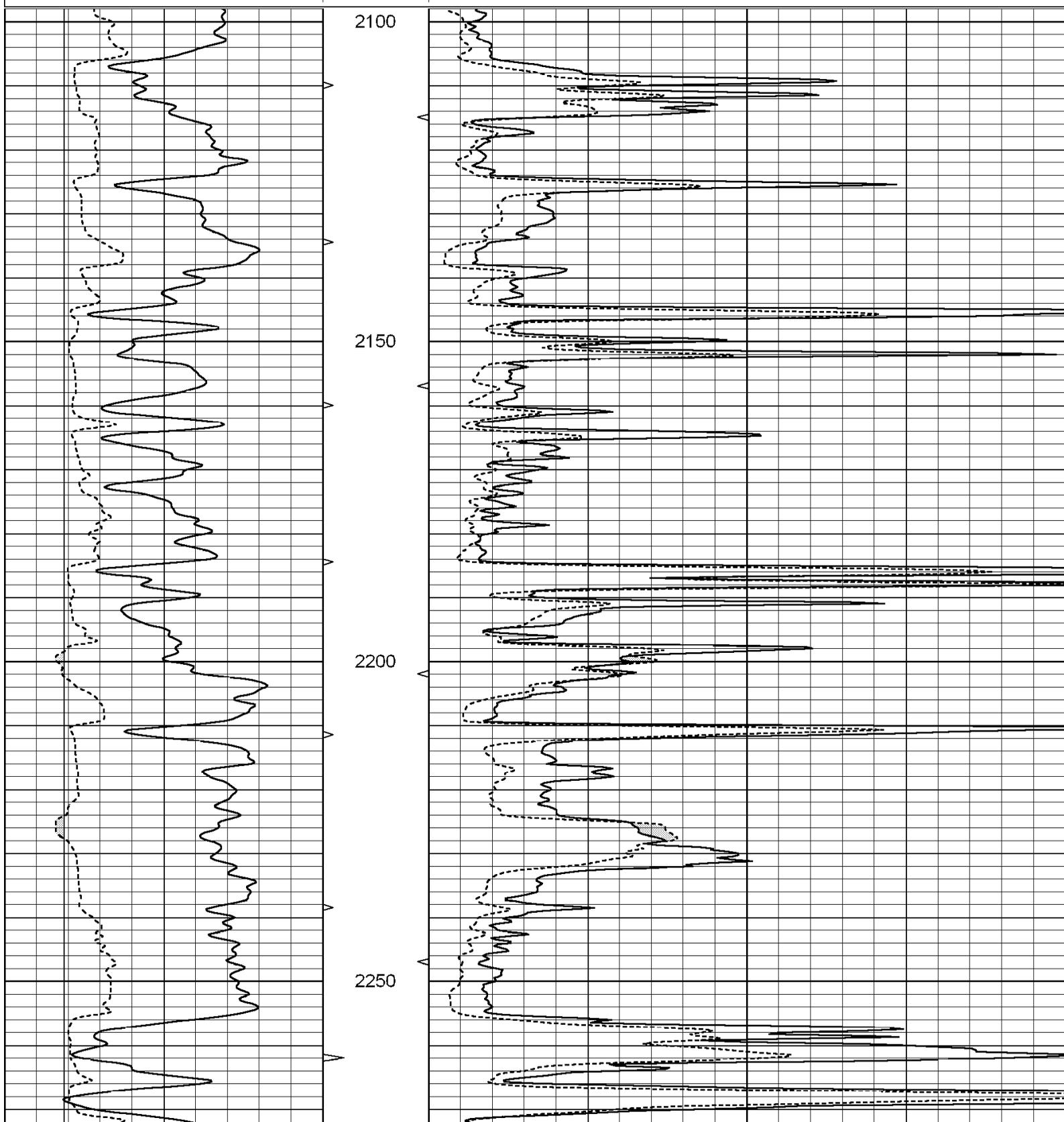


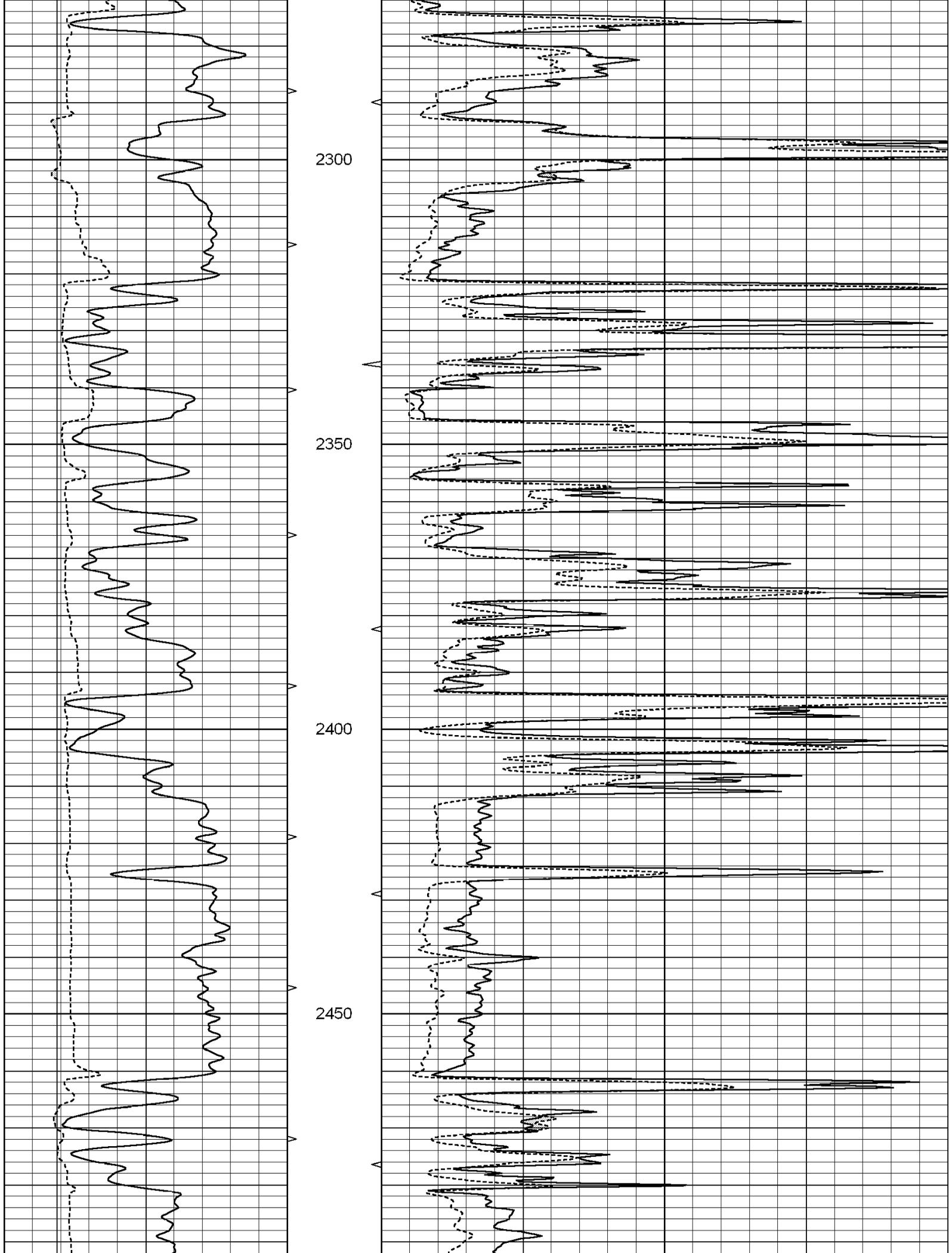
**SUPERIOR**  
Hays,  
Kansas

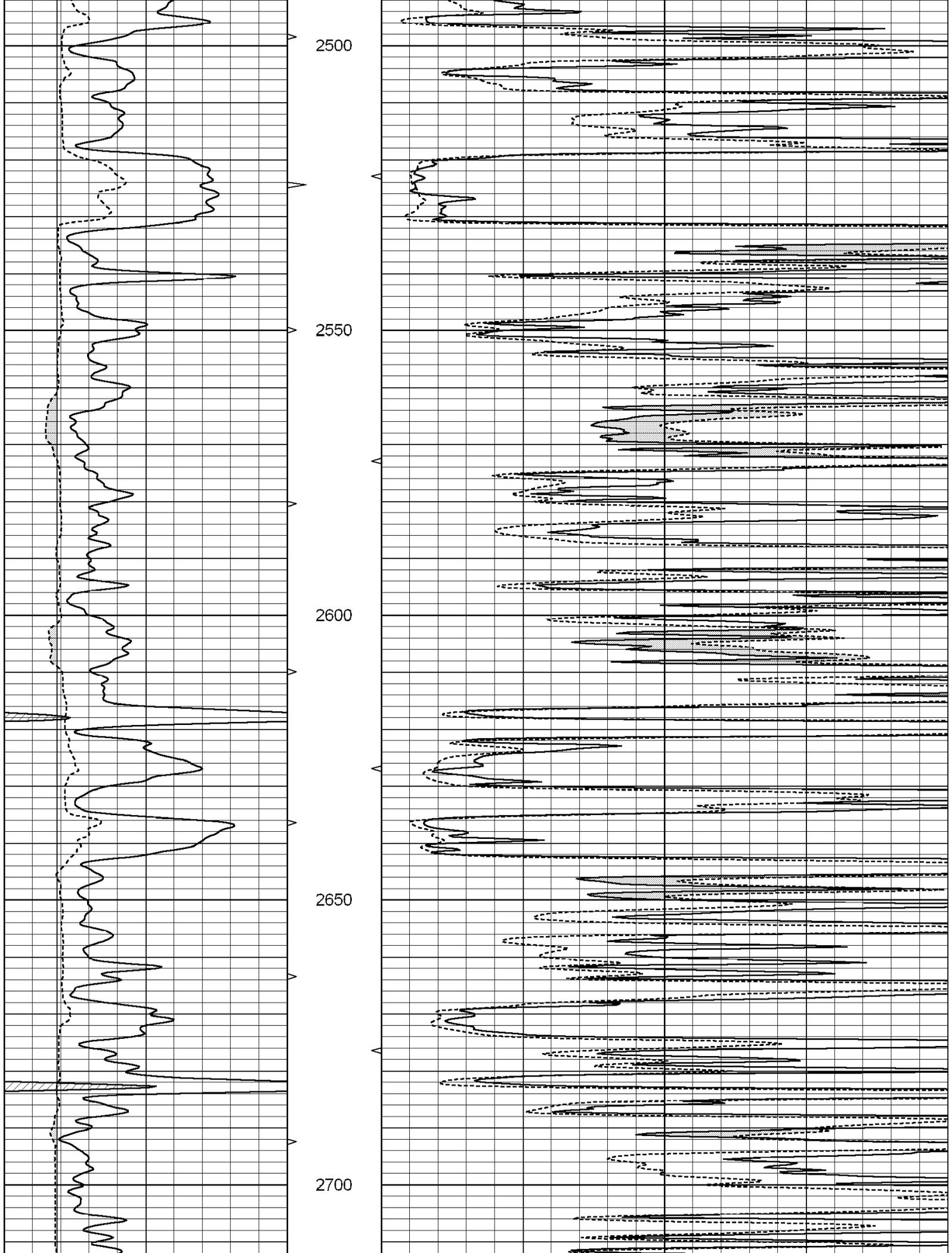
**MAIN SECTION**

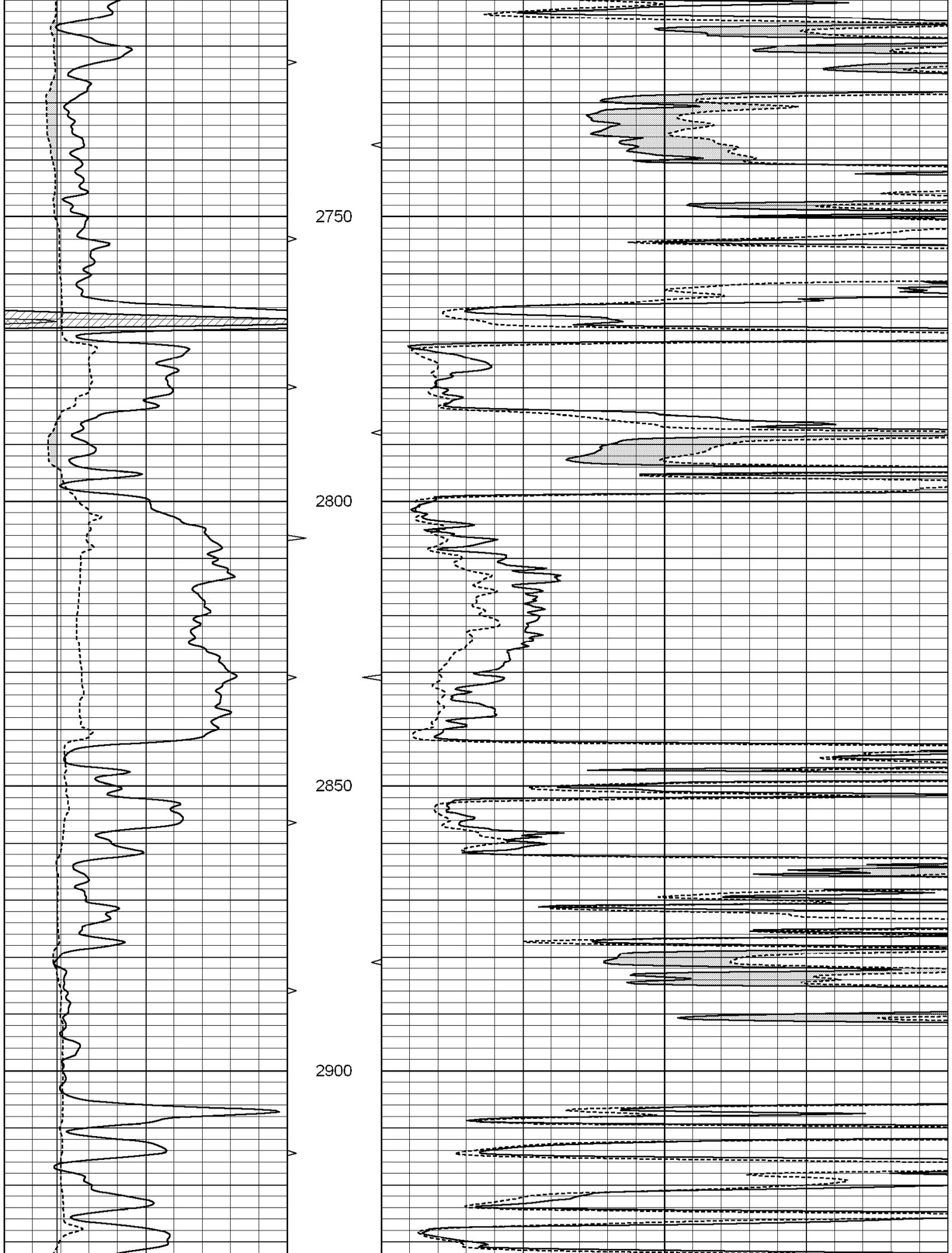
Database File: 003093rag.db  
 Dataset Pathname: pass6.2  
 Presentation Format: micro  
 Dataset Creation: Tue Feb 03 01:17:37 2009 by Calc Open-Cased 060407  
 Charted by: Depth in Feet scaled 1:240

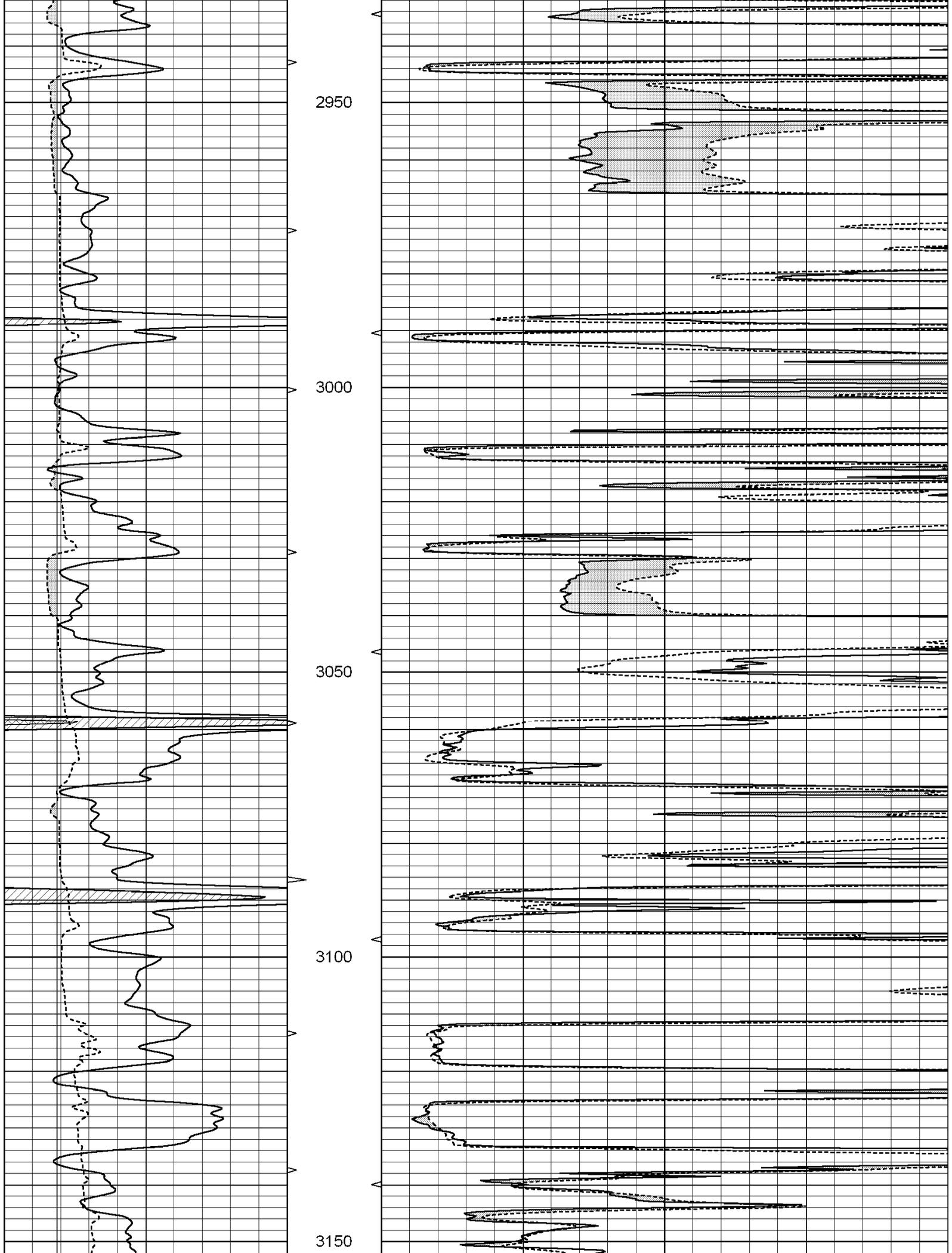
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	20
6	CALIPER (in)	16	10 (ft3) 0	0	MEL2.0 (Ohm-m)	20
			TBHV			
			0 (ft3) 10			

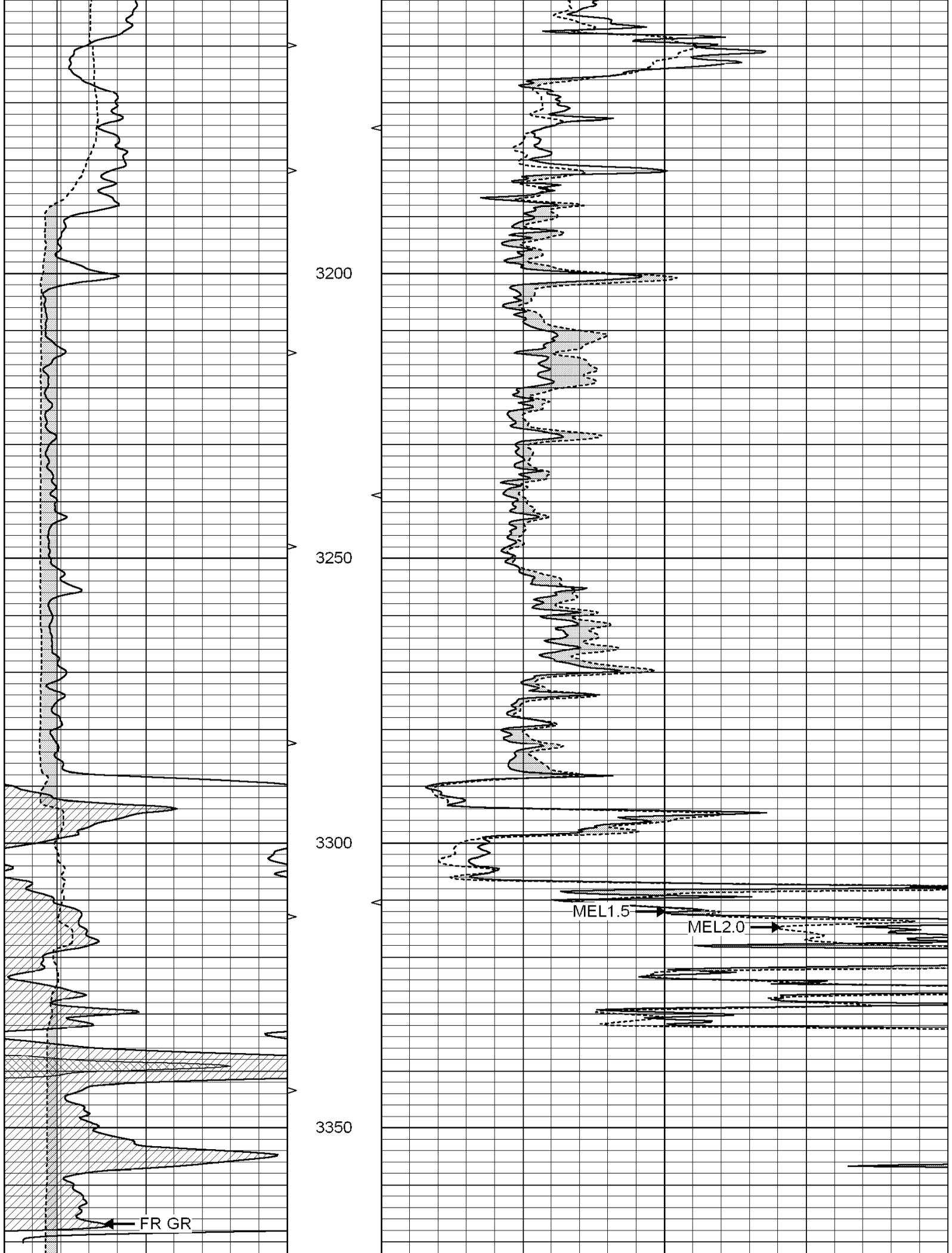












FR MELCAL		LTD 3376			
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m) 20
6	CALIPER (in)	16	10 (ft3) 0	0	MEL2.0 (Ohm-m) 20
			TBHV		
			0 (ft3) 10		

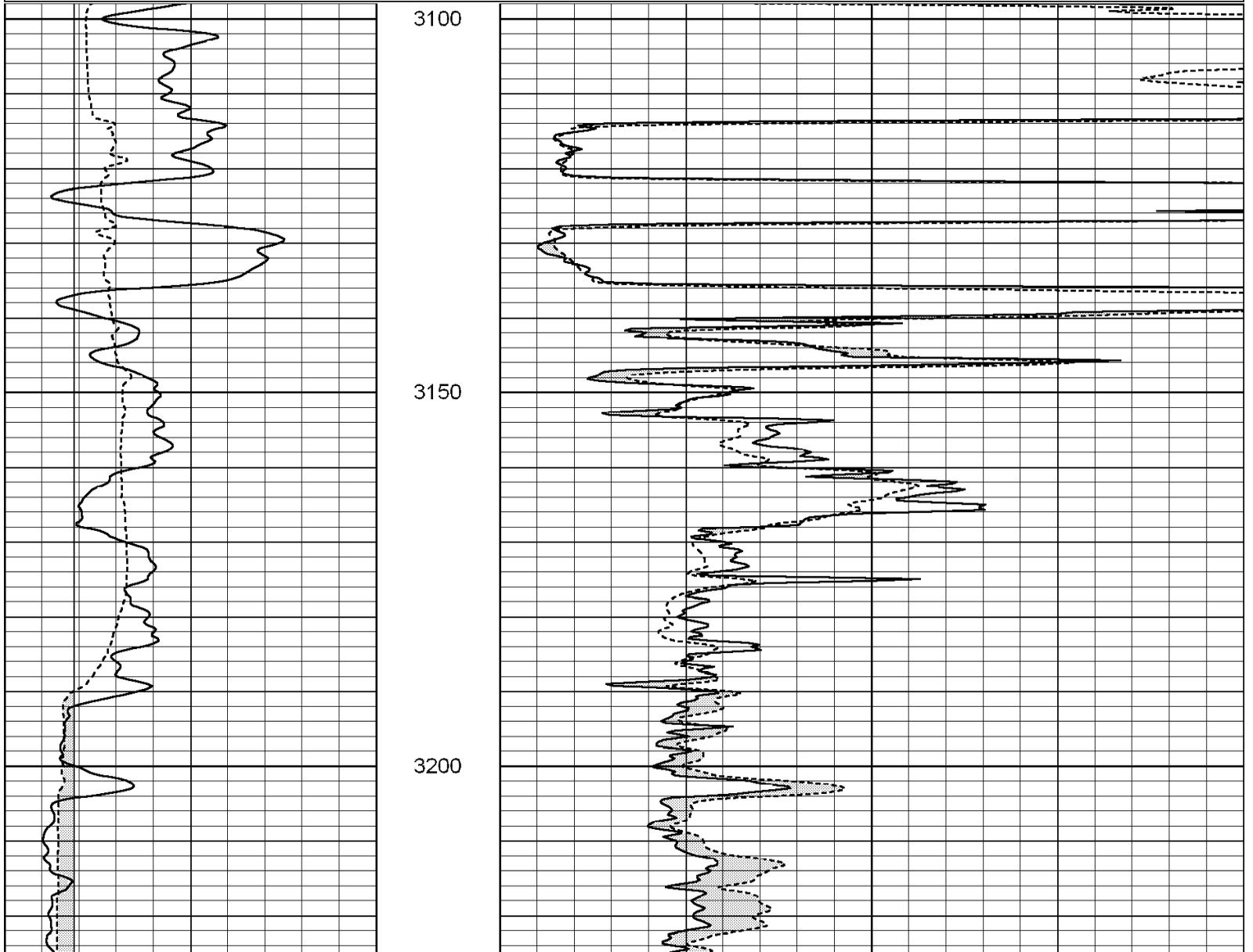


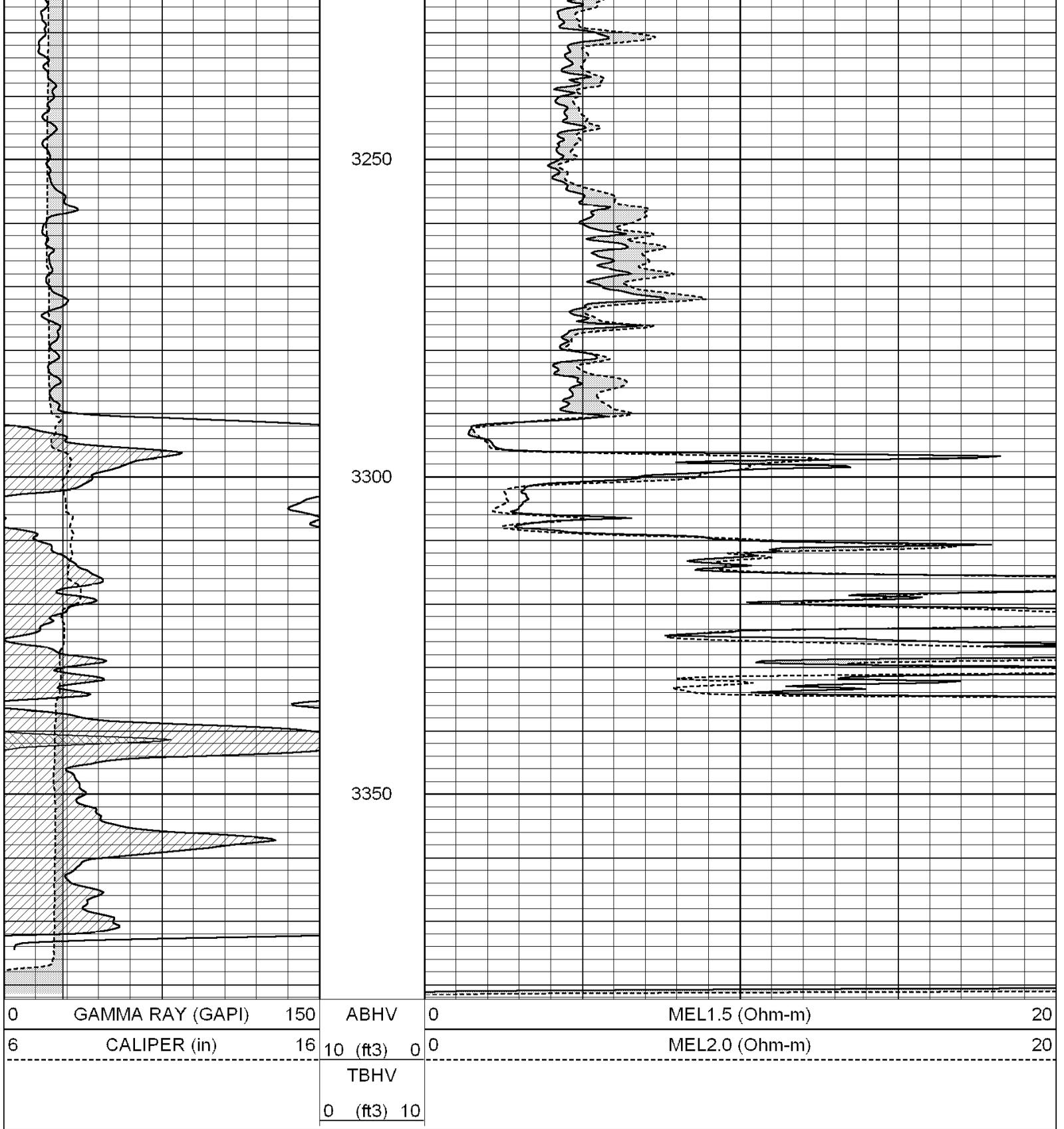
SUPERIOR  
Hays,  
Kansas

# REPEAT SECTION

Database File: 003093rag.db  
 Dataset Pathname: pass5.6  
 Presentation Format: micro  
 Dataset Creation: Tue Feb 03 01:16:45 2009 by Calc Open-Cased 060407  
 Charted by: Depth in Feet scaled 1:240

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





Calibration Report

Database File: 003093rag.db  
 Dataset Pathname: pass6.2  
 Dataset Creation: Tue Feb 03 01:17:37 2009 by Calc Open-Cased 060407

MICRO Calibration Report

Serial Number: 2  
 Tool Model: PROBE  
 Performed: Tue Feb 03 00:34:21 2009

Caliper Calibration:	Gain=7.137	Offset=-1.260
References	Low Cal 5.800	High Cal 15.000
Readings	0.989	2.278
1.5" Calibration:	Gain=22.000	Offset=-0.900
References	Low Cal 0.000	High Cal 20.000
Readings	0.060	1.186
2" Calibration:	Gain=27.000	Offset=-0.600
References	Low Cal 0.000	High Cal 20.000
Readings	0.011	0.926

Gamma Ray Calibration Report

Serial Number:	GR3	
Tool Model:	OPEN	
Performed:	Tue Feb 03 00:34:18 2009	
Calibrator Value:	200.0	GAPI
Background Reading:	3.0	cps
Calibrator Reading:	186.0	cps
Sensitivity:	0.3000	GAPI/cps