



SUPERIOR
Hays,
Kansas

MICRO
LOG

Company DOWNING - NELSON OIL CO. INC.
Well CROSSLAND #1-16
Field WILDCAT
County TREGO
State KANSAS

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Field WILDCAT
County TREGO State KANSAS

Location: API # : 15-195-22697-0000
1710' FNL & 960' FWL
SW - NE - SW - NW
SEC 16 TWP 13S RGE 22W
Permanent Datum GROUND LEVEL Elevation 2306
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL
DIL/SONIC
Elevation
K.B. 2314
D.F. 2312
G.L. 2306

Date	2/10/11		
Run Number	TWO		
Depth Driller	4243		
Depth Logger	4244		
Bottom Logged Interval	4221		
Top Log Interval	3300		
Casing Driller	8 5/8"@223'		
Casing Logger	223		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5,000 PPM	
Density / Viscosity	9.3/48		
pH / Fluid Loss	8.8/9.0		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.850@.65F		
Rmf @ Meas. Temp	.638@.65F		
Rmc @ Meas. Temp	1.02@.65F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.468@118F		
Time Circulation Stopped	4.5 HOURS		
Time Logger on Bottom	7:15 A.M.		
Maximum Recorded Temperature	118F		
Equipment Number	0836		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	RON NELSON		

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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 SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS
OGALLAH, KS. & I-70 4S. ON HWY 147 TO (BOOSTER STATION) "RD. 0", 2W. PAST LOW WATER
BRIDGE, 1/2S., E. INTO

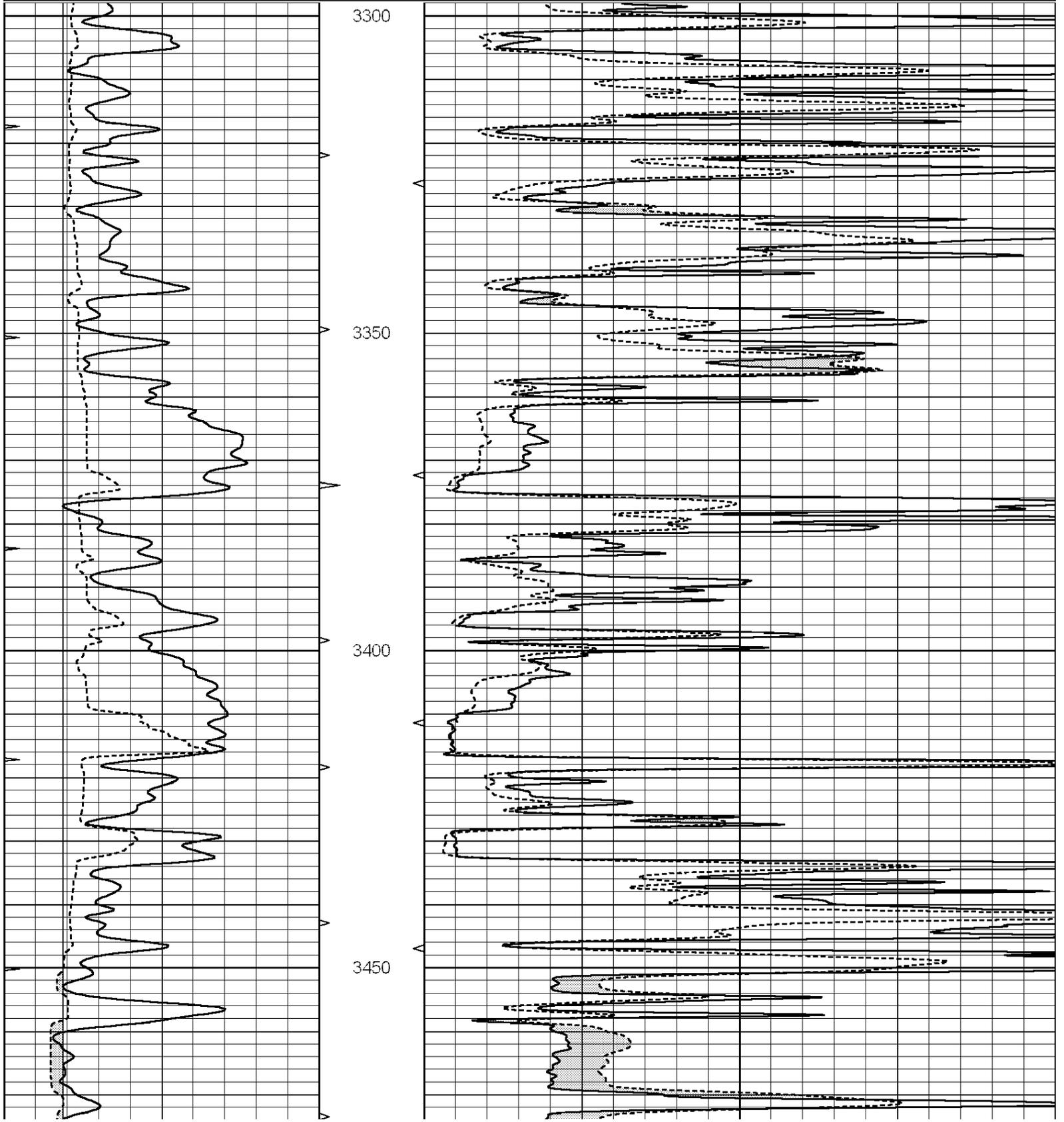


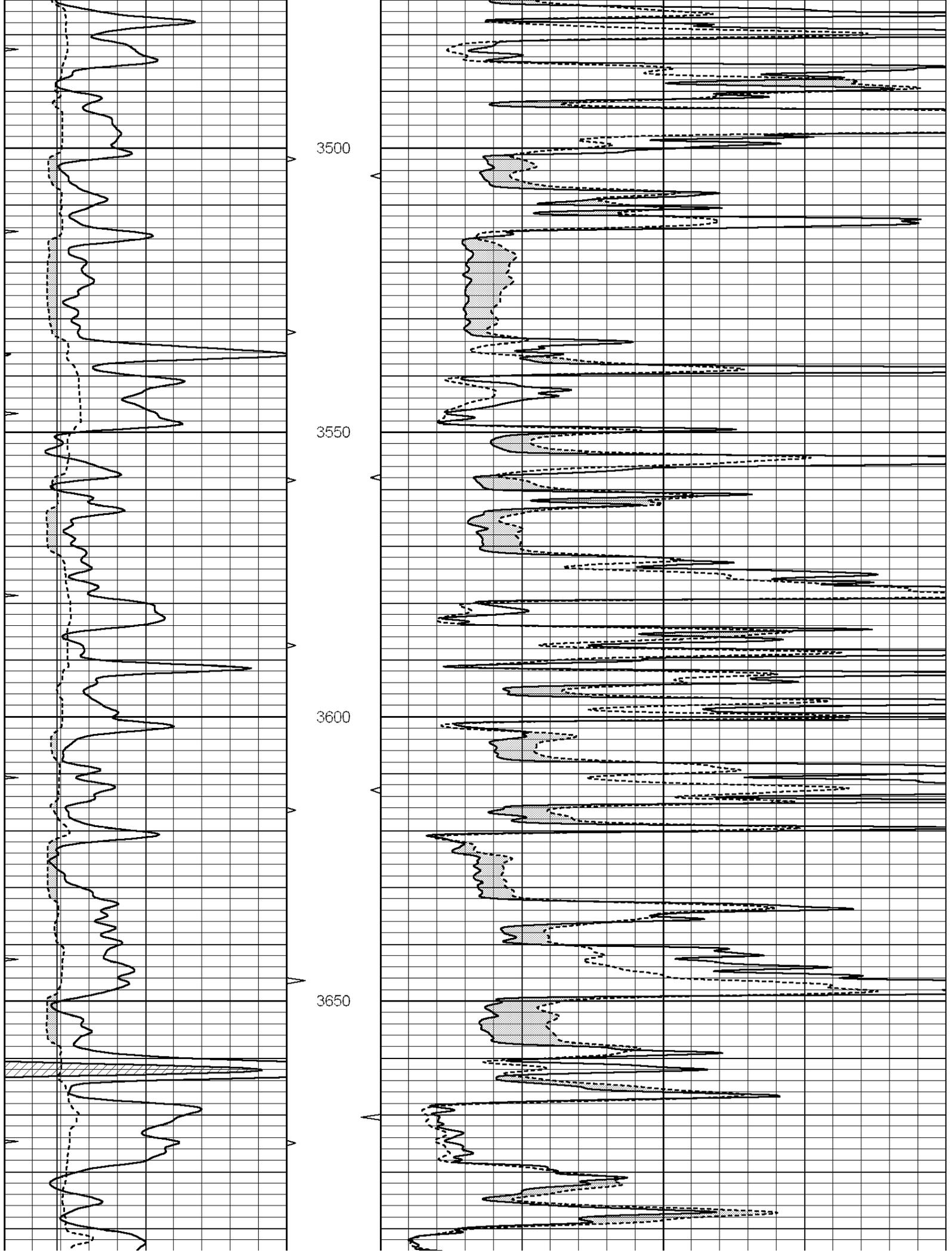
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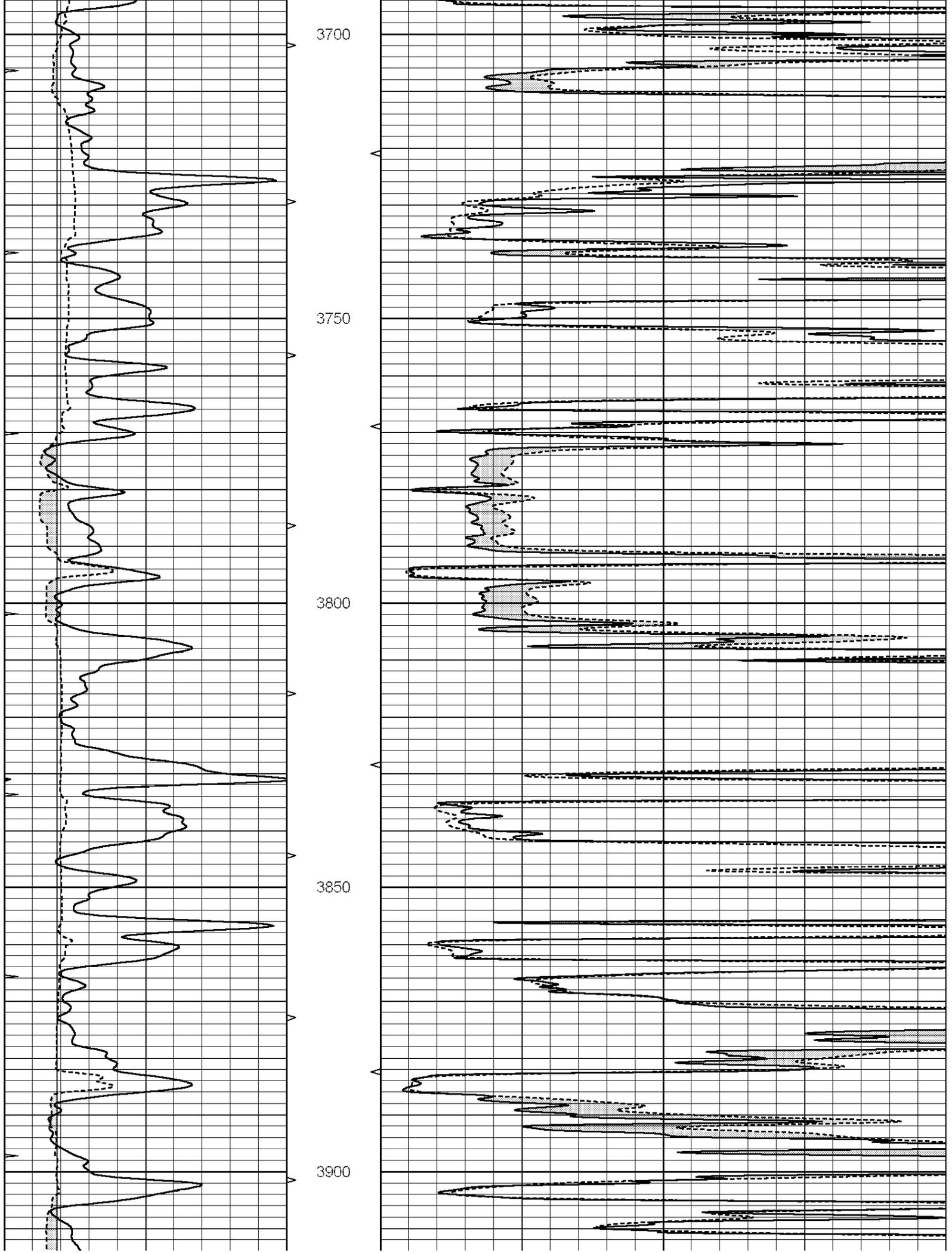
MAIN SECTION

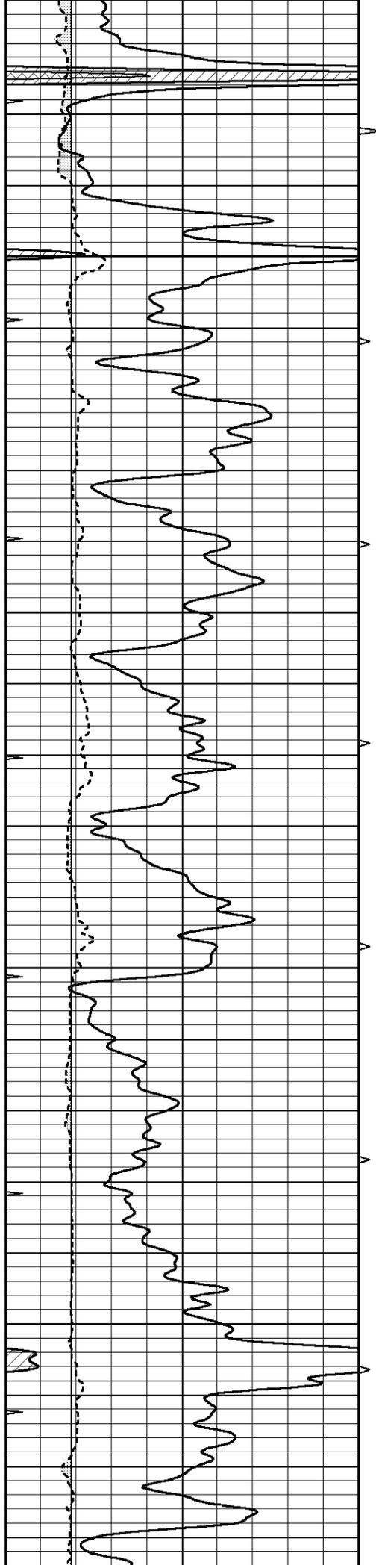
Database File: 006285ddn.db
 Dataset Pathname: pass6.3
 Presentation Format: micro
 Dataset Creation: Thu Feb 10 10:07:46 2011
 Charted by: Depth in Feet scaled 1:240

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







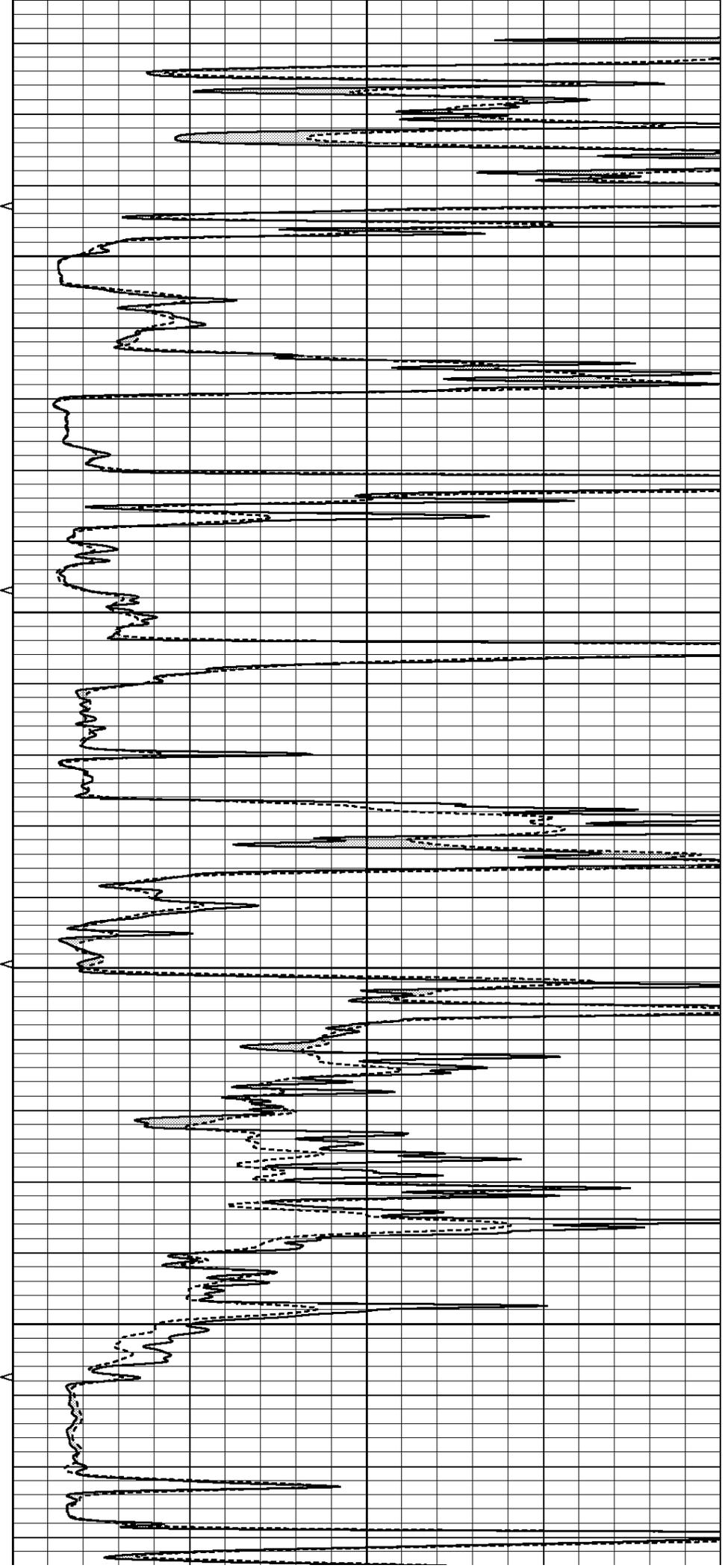


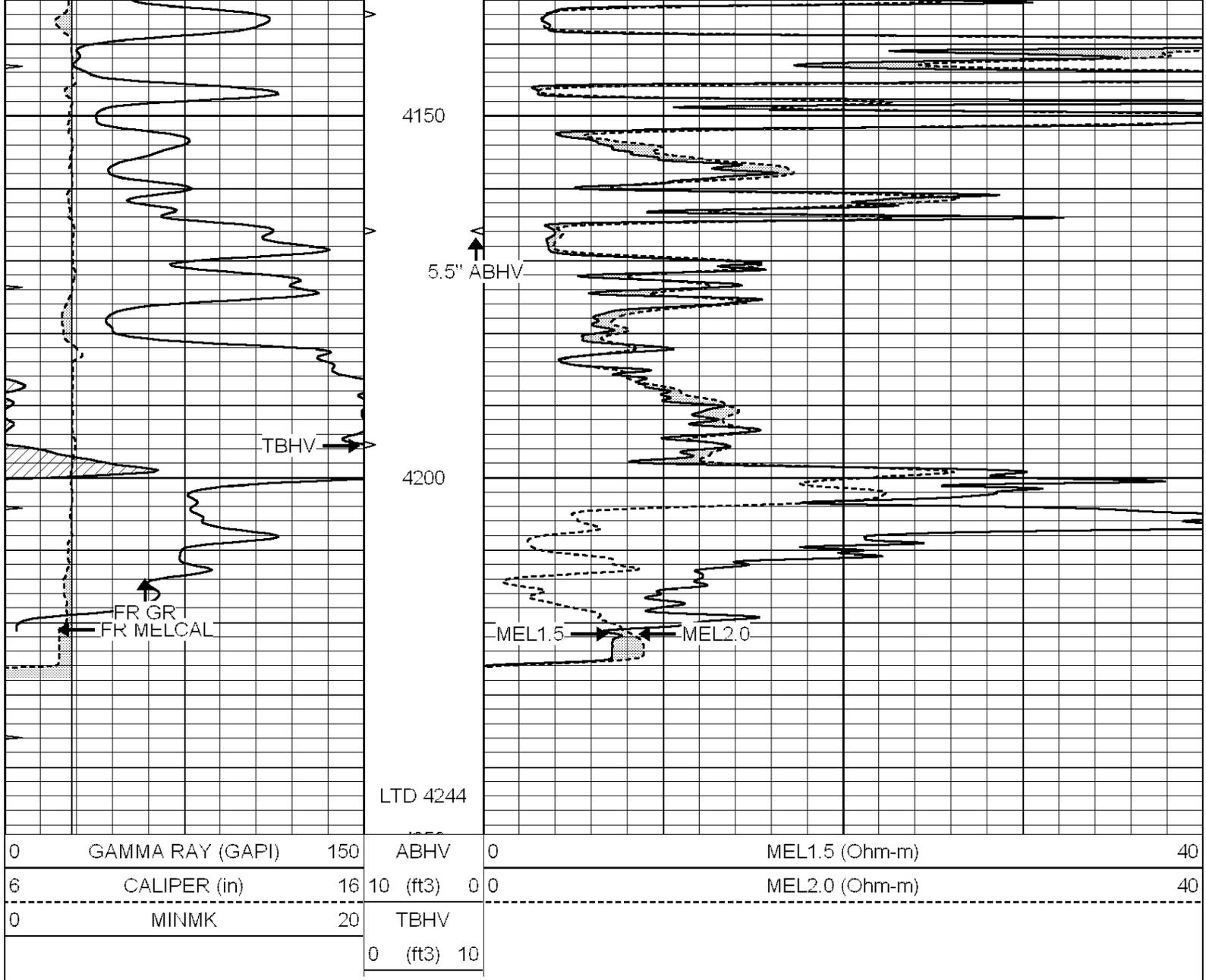
3950

4000

4050

4100





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		

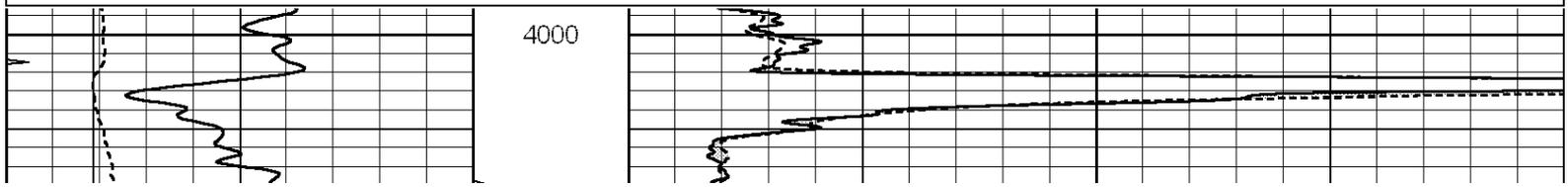


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REPEAT SECTION

Database File: 006285ddn.db
 Dataset Pathname: pass5.4
 Presentation Format: micro
 Dataset Creation: Thu Feb 10 09:42:59 2011 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		



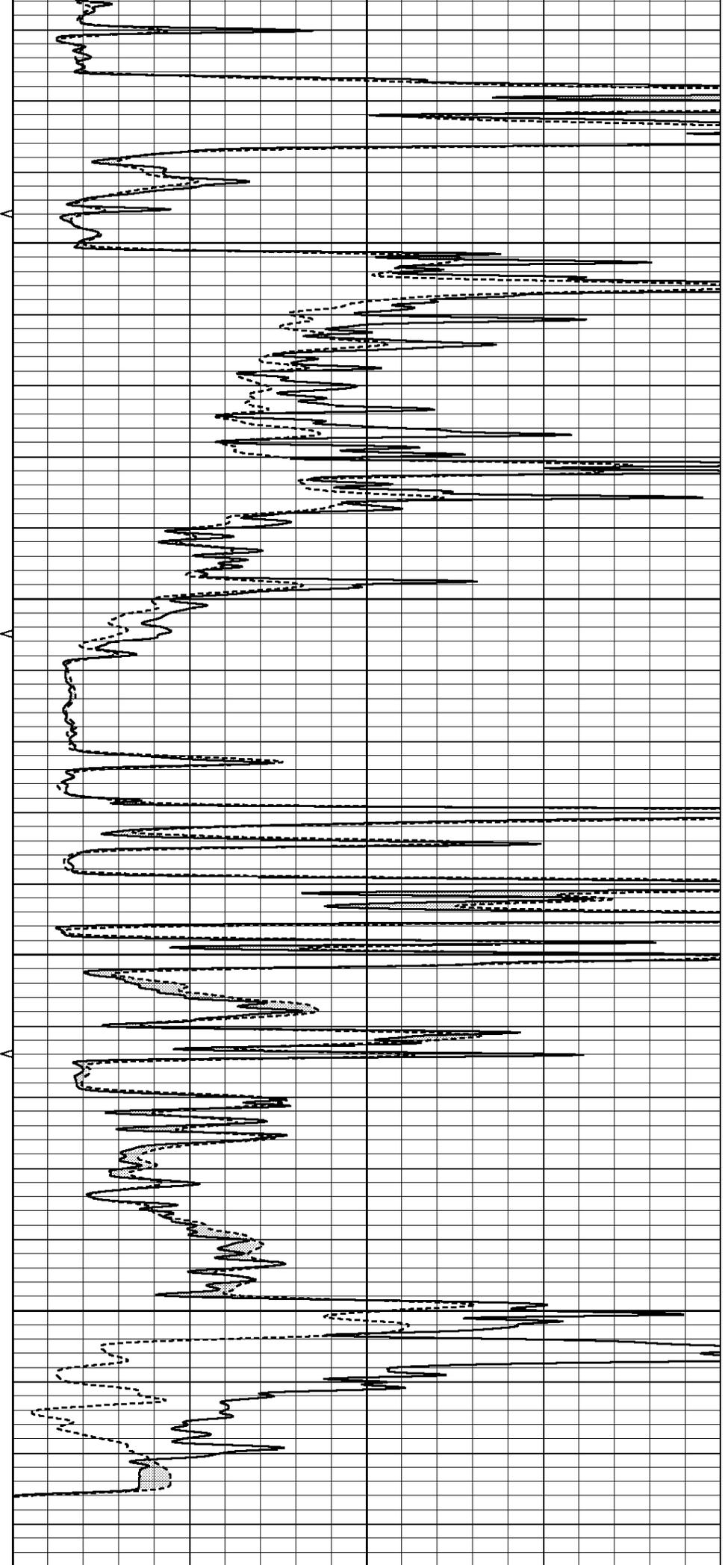


4050

4100

4150

4200



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: 006285ddn.db
Dataset Pathname: pass6.3
Dataset Creation: Thu Feb 10 10:07:46 2011

MICRO Calibration Report

Serial Number: MICRO5
Tool Model: PROBE
Performed: Thu Feb 10 09:08:33 2011

Caliper Calibration: Gain=5.851 Offset=-34.518

	Low Cal	High Cal
References	7.500	15.000
Readings	7.181	8.463

1.5" Calibration: Gain=40.000 Offset=-0.300

	Low Cal	High Cal
References	0.000	20.000
Readings	0.008	0.991

2" Calibration: Gain=52.000 Offset=-1.000

	Low Cal	High Cal
References	0.000	20.000
Readings	0.014	0.905

Gamma Ray Calibration Report

Serial Number: GR4
Tool Model: OPEN
Performed: Thu Feb 10 09:11:01 2011

Calibrator Value: 200.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 189.0 cps

Sensitivity: 1.2500 GAPI/cps