



SUPERIOR
Hays,
Kansas

MICRO LOG

Company		DOWNING - NELSON OIL COMPANY, INC.	
Well		ALMA HERL #1-13	
Field		GATSCHET SOUTHEAST	
County		ELLIS	
State		KANSAS	
Location:		API # : 15-051-26133-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 8' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 13 TWP 13S RGE 19W		Elevation	
2054		K.B. 2062	
		D.F. 2060	
		G.L. 2054	
Date	4/27/11		
Run Number	TWO		
Depth Driller	3753		
Depth Logger	3754		
Bottom Logged Interval	3731		
Top Log Interval	2900		
Casing Driller	8 5/8"@224'		
Casing Logger	224		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 11,000PPM	
Density / Viscosity	9.2/68		
pH / Fluid Loss	9.0/8.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.400@75F		
Rmf @ Meas. Temp	.300@75F		
Rmc @ Meas. Temp	.480@75F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.263@114F		
Time Circulation Stopped	3.5 HOURS		
Time Logger on Bottom	11:45 A.M.		
Maximum Recorded Temperature	114F		
Equipment Number	0836		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	AL DOWNING	MARC DOWNING	RON NELSON

<<< 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 HAYS, KS. (ELLIS COUNTY FAIRGROUNDS) 1/2 MILE W. OF 220 AVE., 1/2N. INTO

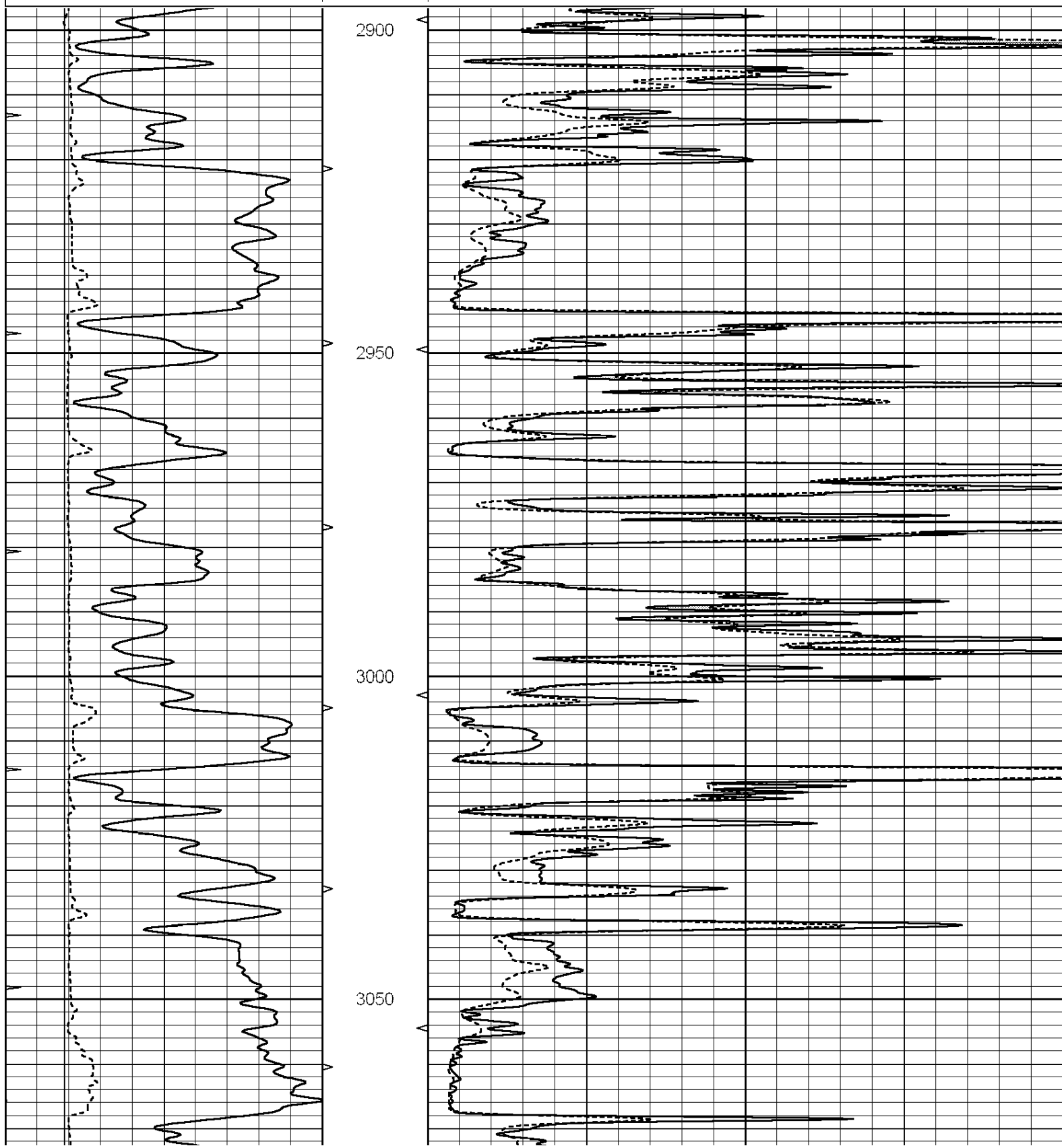


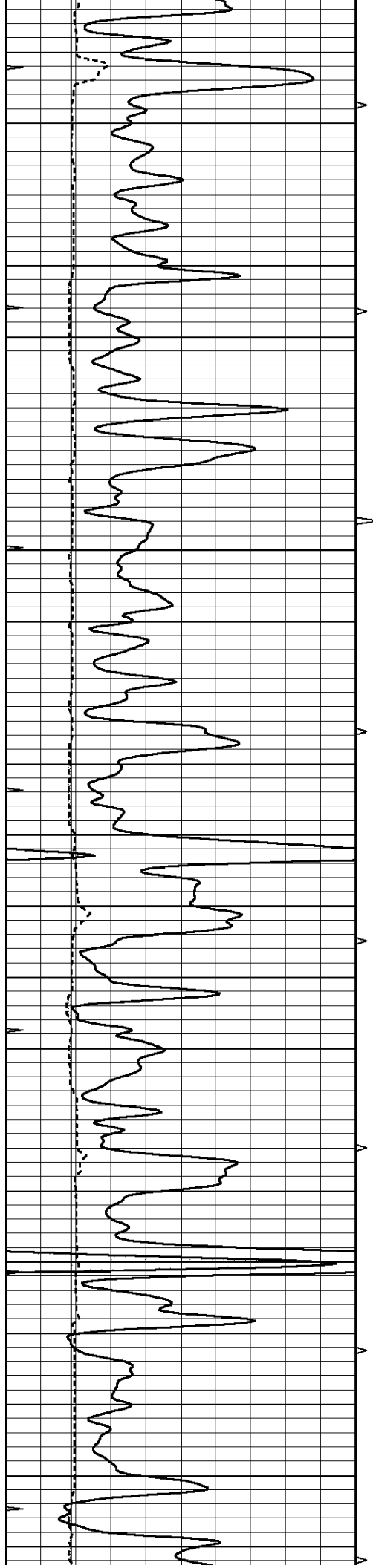
SUPERIOR
Hays,
Kansas

MAIN SECTION

Database File: 006818ddn.db
 Dataset Pathname: pass6.1
 Presentation Format: micro
 Dataset Creation: Wed Apr 27 14:24:04 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	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		



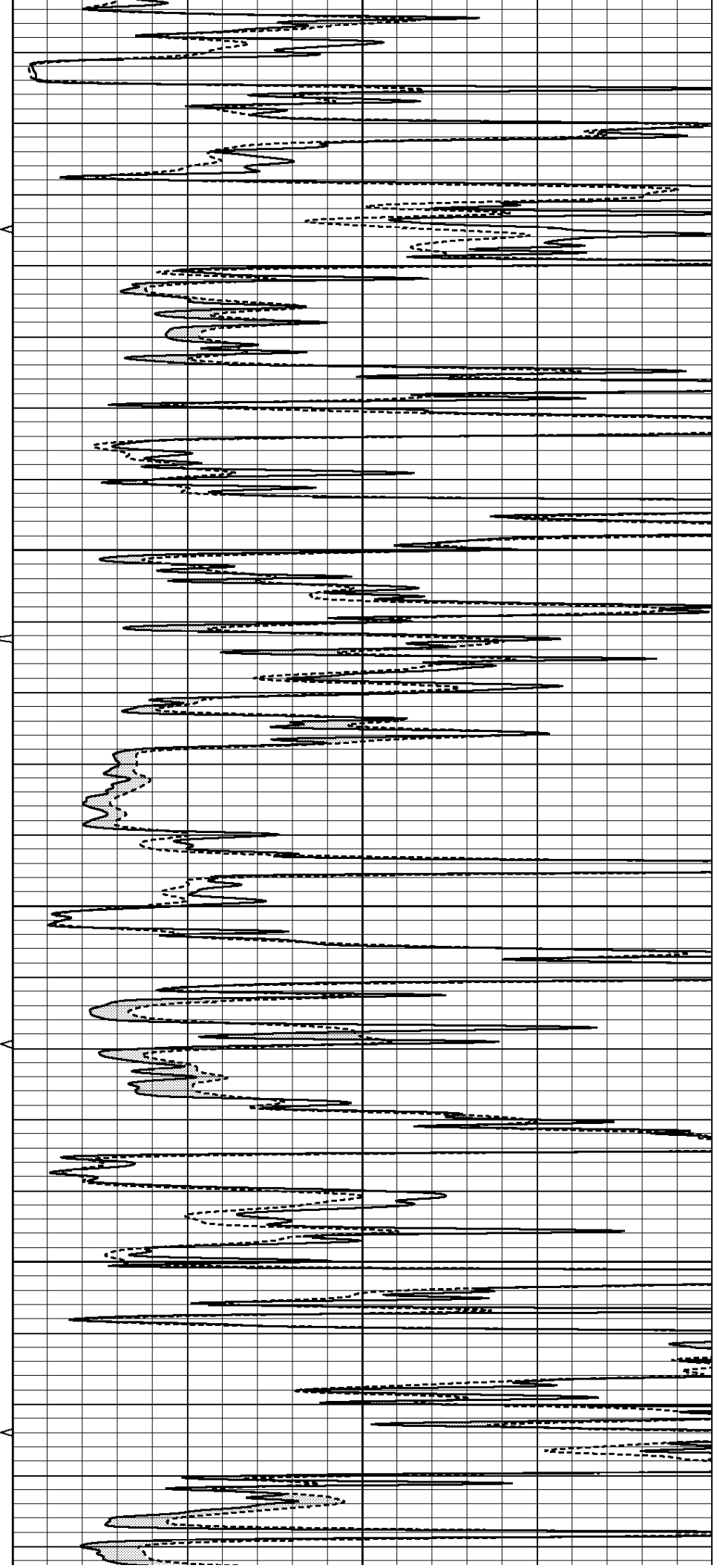


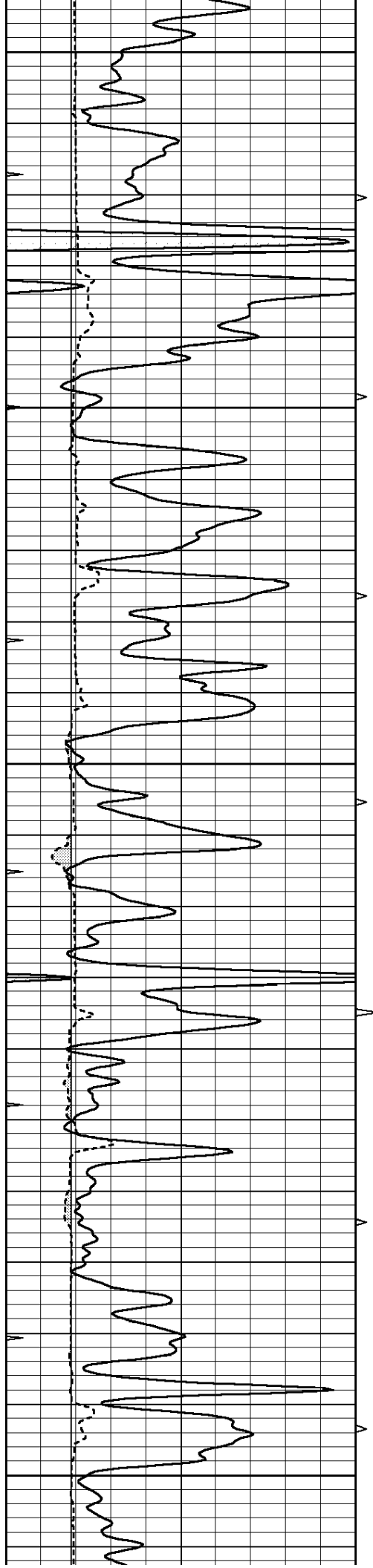
3100

3150

3200

3250





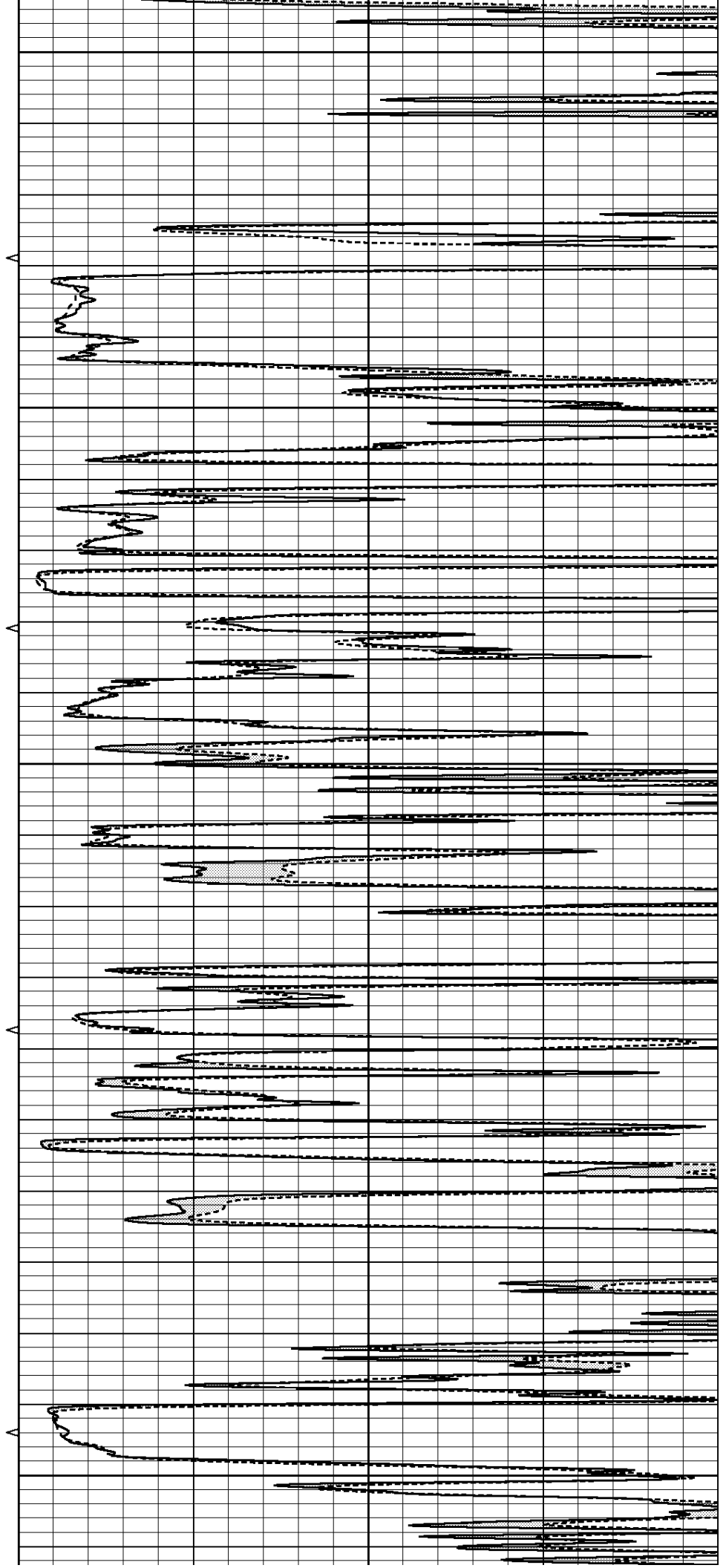
3300

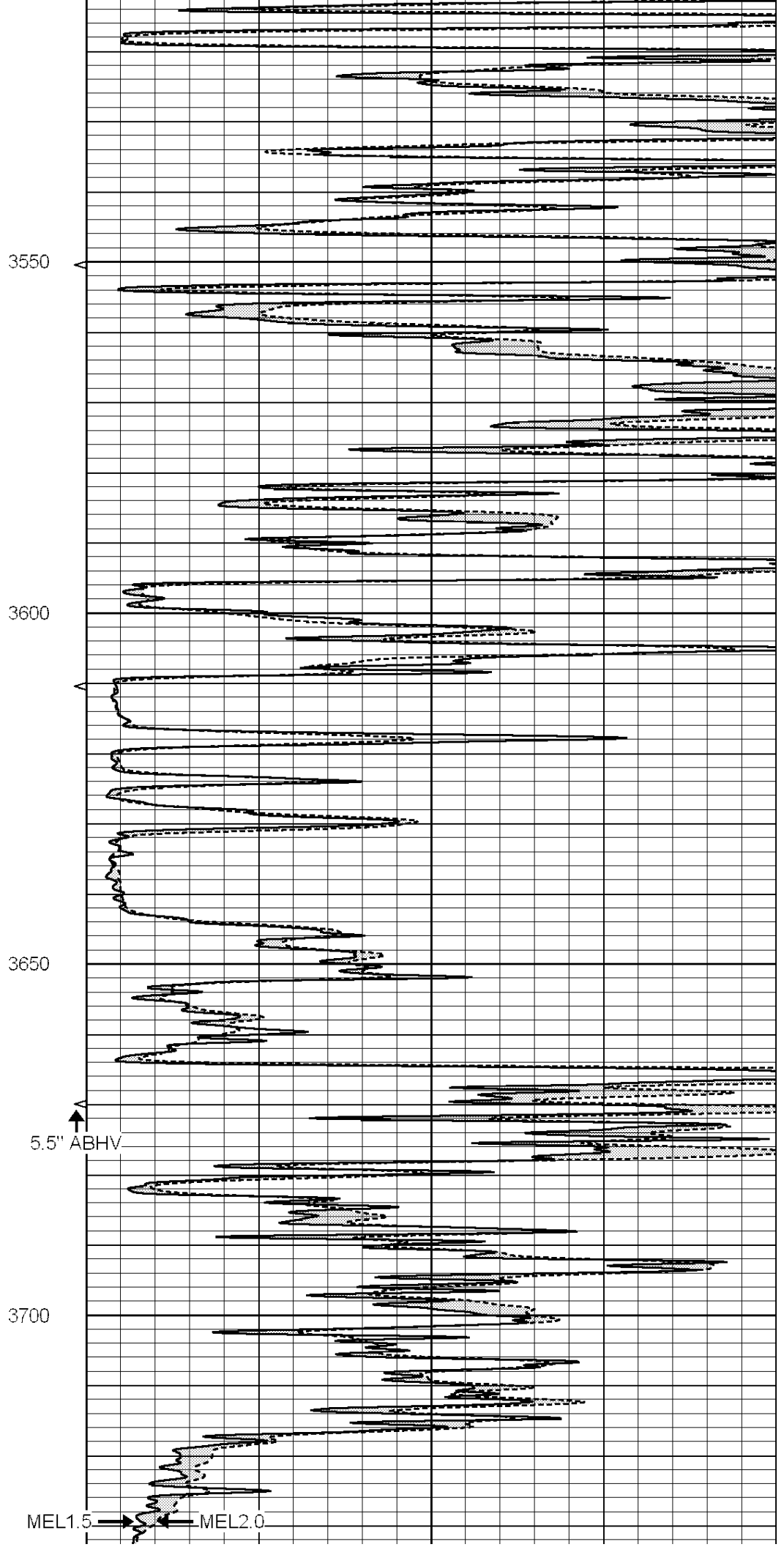
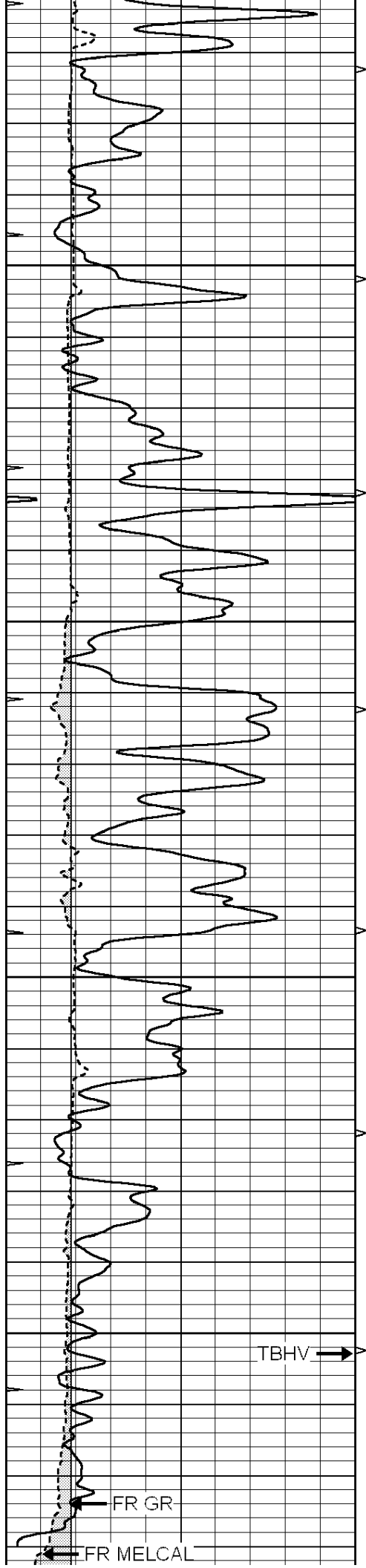
3350

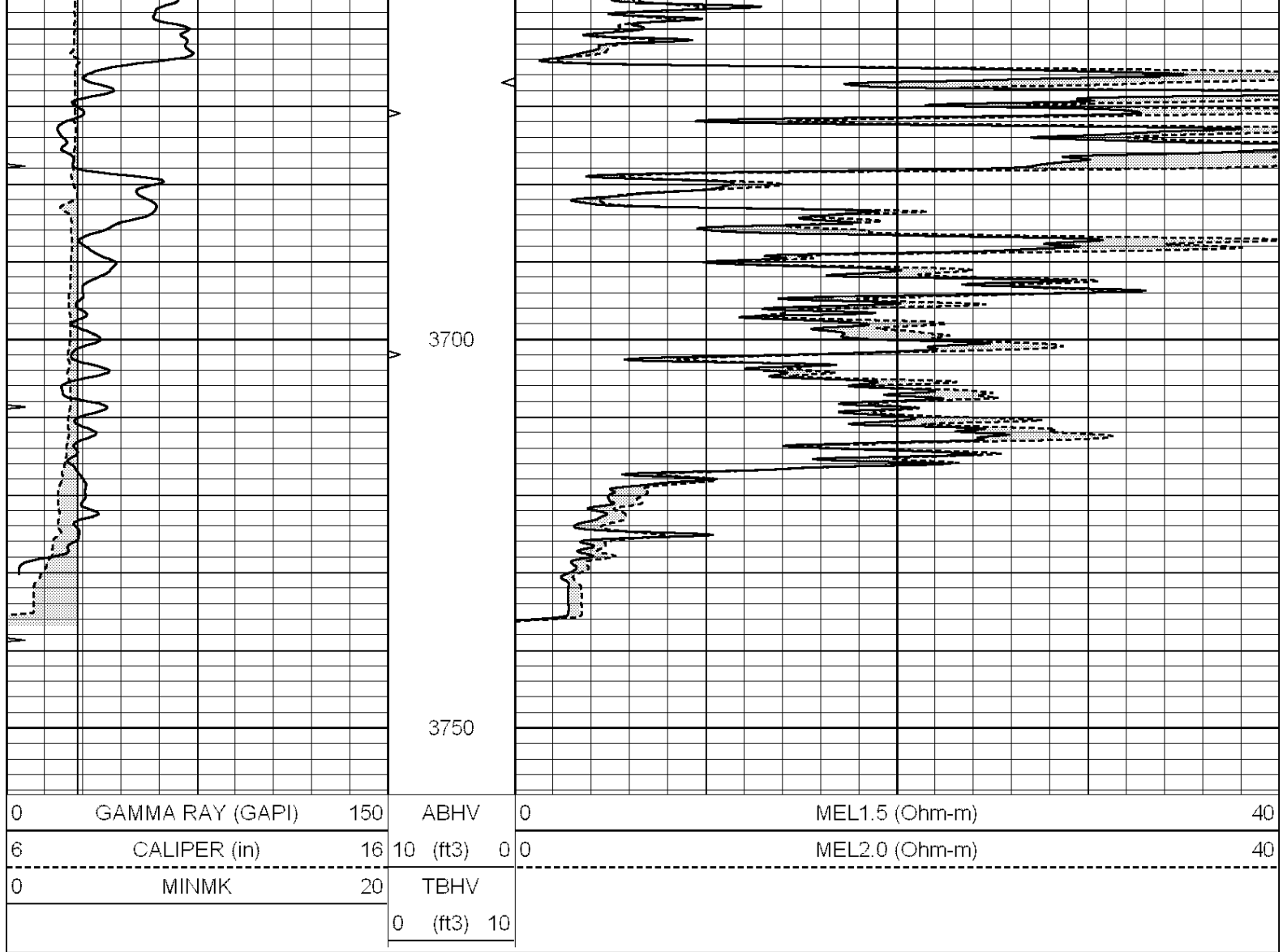
3400

3450

3500







Calibration Report

Database File: 006818ddn.db
Dataset Pathname: pass6.1
Dataset Creation: Wed Apr 27 14:24:04 2011 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number:	MICRO5	
Tool Model:	PROBE	
Performed:	Tue Apr 26 11:58:48 2011	
Caliper Calibration:	Gain=5.617	Offset=-32.537
References	Low Cal	High Cal
Readings	7.800	15.000
	7.181	8.463
1.5" Calibration:	Gain=42.000	Offset=-1.000
References	Low Cal	High Cal
Readings	0.000	20.000
	0.008	0.991
2" Calibration:	Gain=60.000	Offset=-1.500
References	Low Cal	High Cal
Readings	0.000	20.000
	0.014	0.905

Gamma Ray Calibration Report

Serial Number:	GR3	
Tool Model:	OPEN	
Performed:	Wed Apr 27 13:41:13 2011	
Calibrator Value:	200.0	GAPI
Background Reading:	3.0	cps
Calibrator Reading:	186.0	cps
Sensitivity:	1.0000	GAPI/cps