



SUPERIOR
Hays,
Kansas

MICRO LOG

Company	DOWNING-NELSON OIL COMPANY, INC.		
Well	SCHMIDT 'B' #9		
Field	CATHERINE		
County	ELLIS	State	KANSAS
Location:	API # : 15-051-26254-0000 335' FNL & 1900' FEL SW - NE - NW - NE		Other Services CDL/CNL DIL
Permanent Datum Log Measured From Drilling Measured From	SEC 3 TWP 13S RGE 17W GROUND LEVEL KELLY BUSHING & A.G.L. KELLY BUSHING	Elevation K.B. 2052 D.F. 2050 G.L. 2044	
Date	1/11/12		
Run Number	TWO		
Depth Driller	3672		
Depth Logger	3674		
Bottom Logged Interval	3672		
Top Log Interval	2800		
Casing Driller	8 5/8" @ 221		
Casing Logger	222		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2000 PPM	
Density / Viscosity	9.3/75		
pH / Fluid Loss	10.0/8.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.95 @ 68F		
Rmf @ Meas. Temp	0.71 @ 68F		
Rmc @ Meas. Temp	1.14 @ 68F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	0.57 @ 113F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	113F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JEFF GRONEMEG		
Witnessed By	RON NELSON		

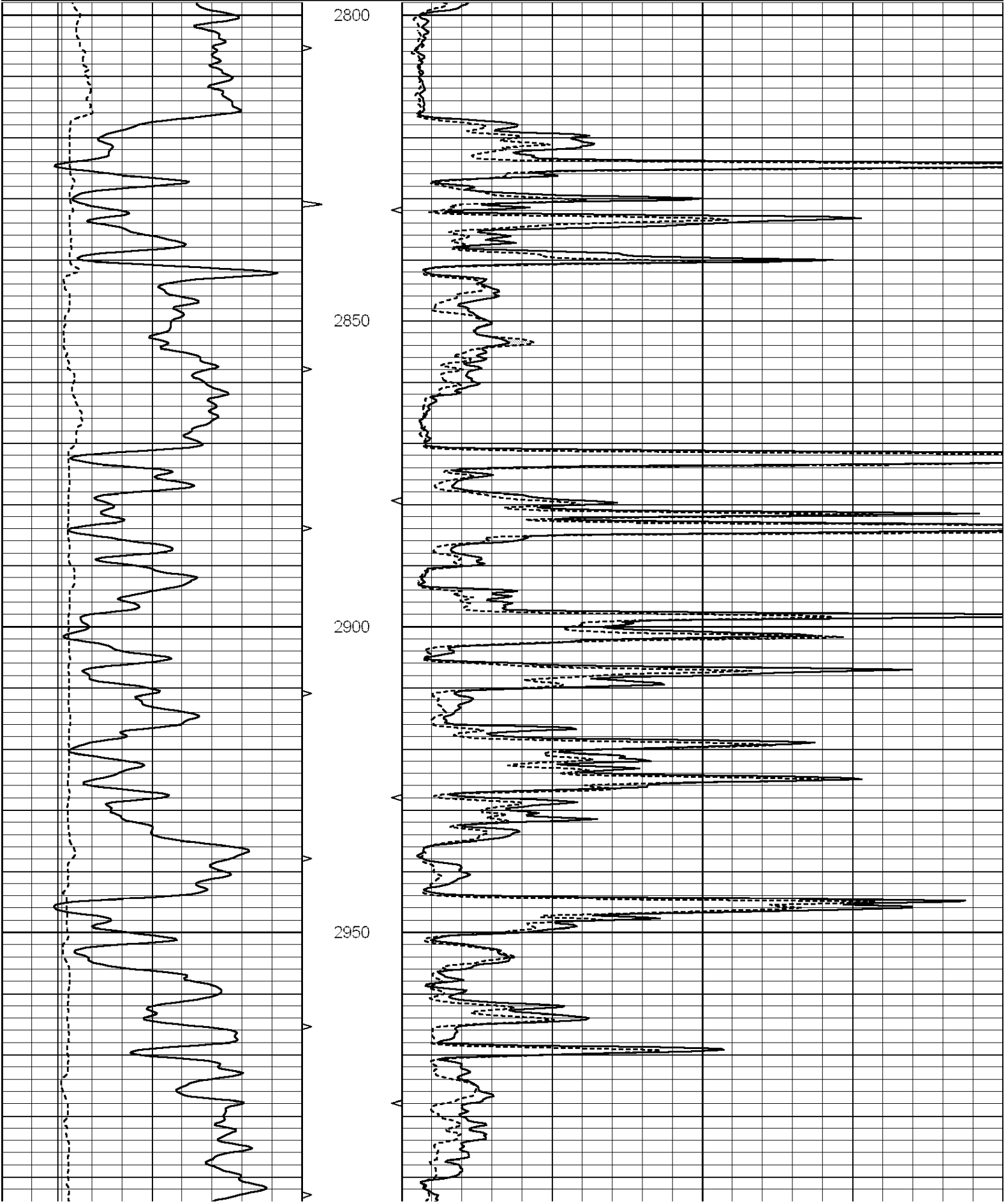
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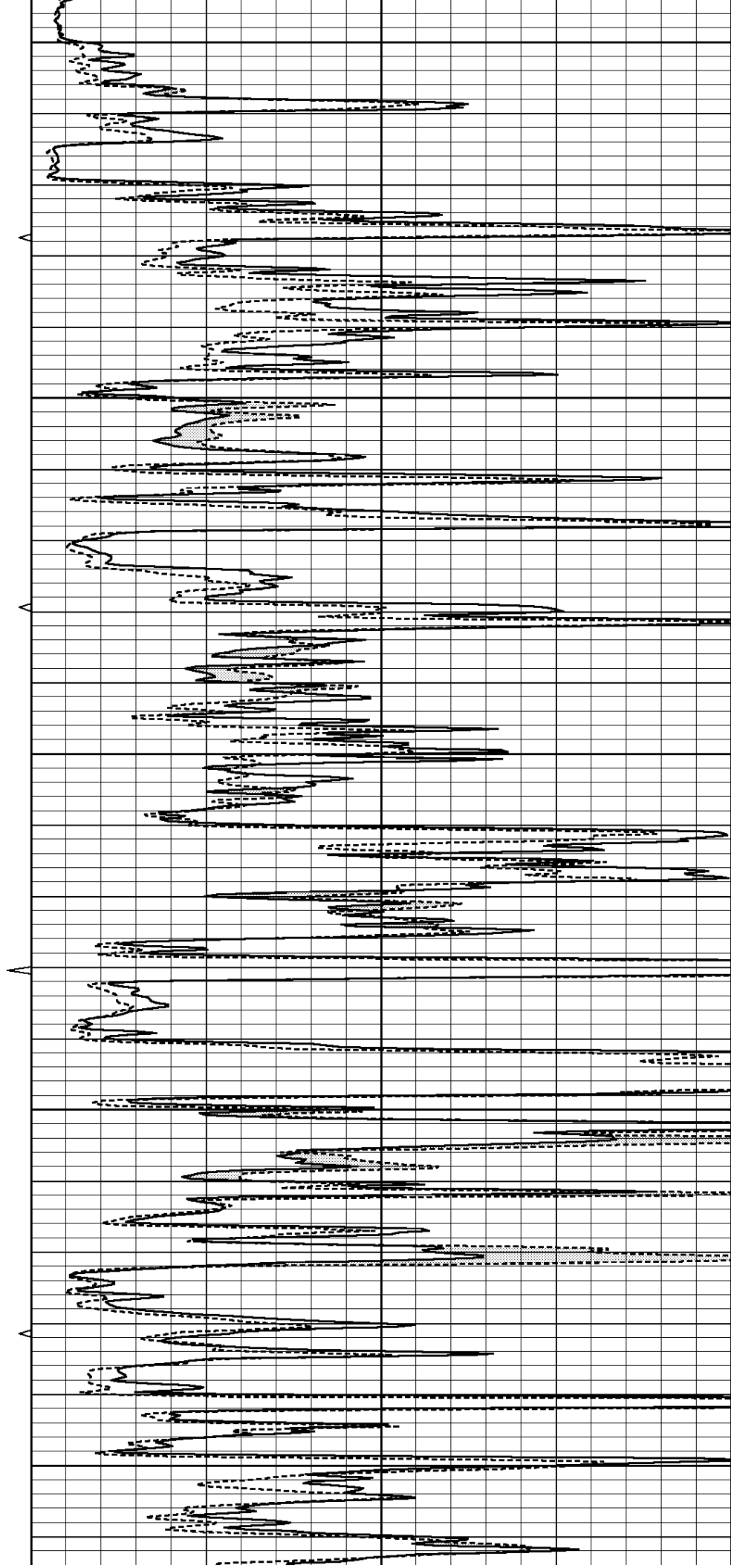
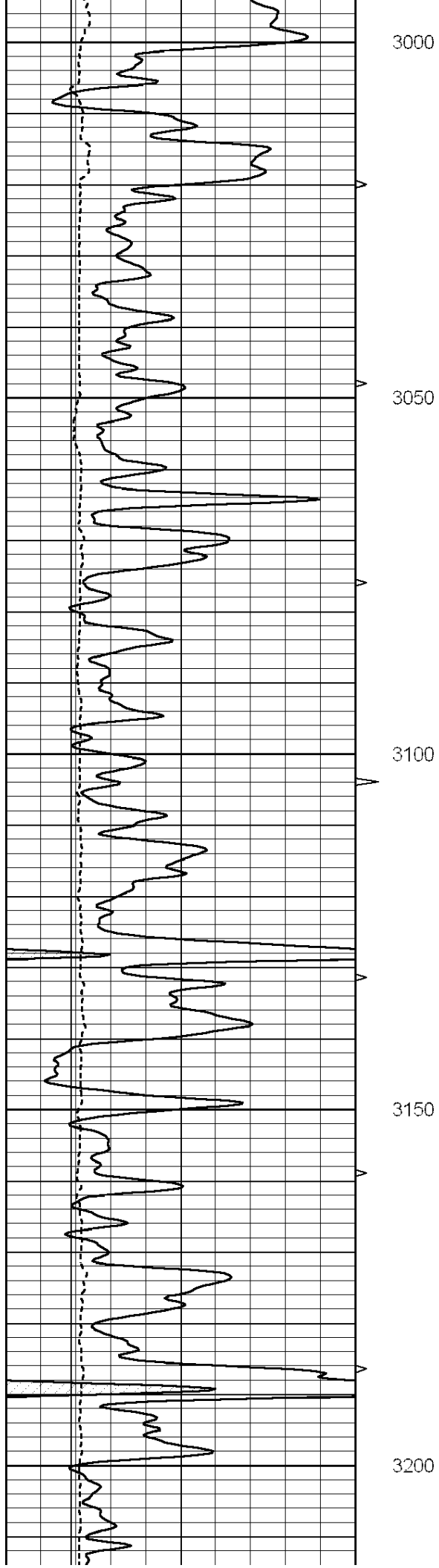
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

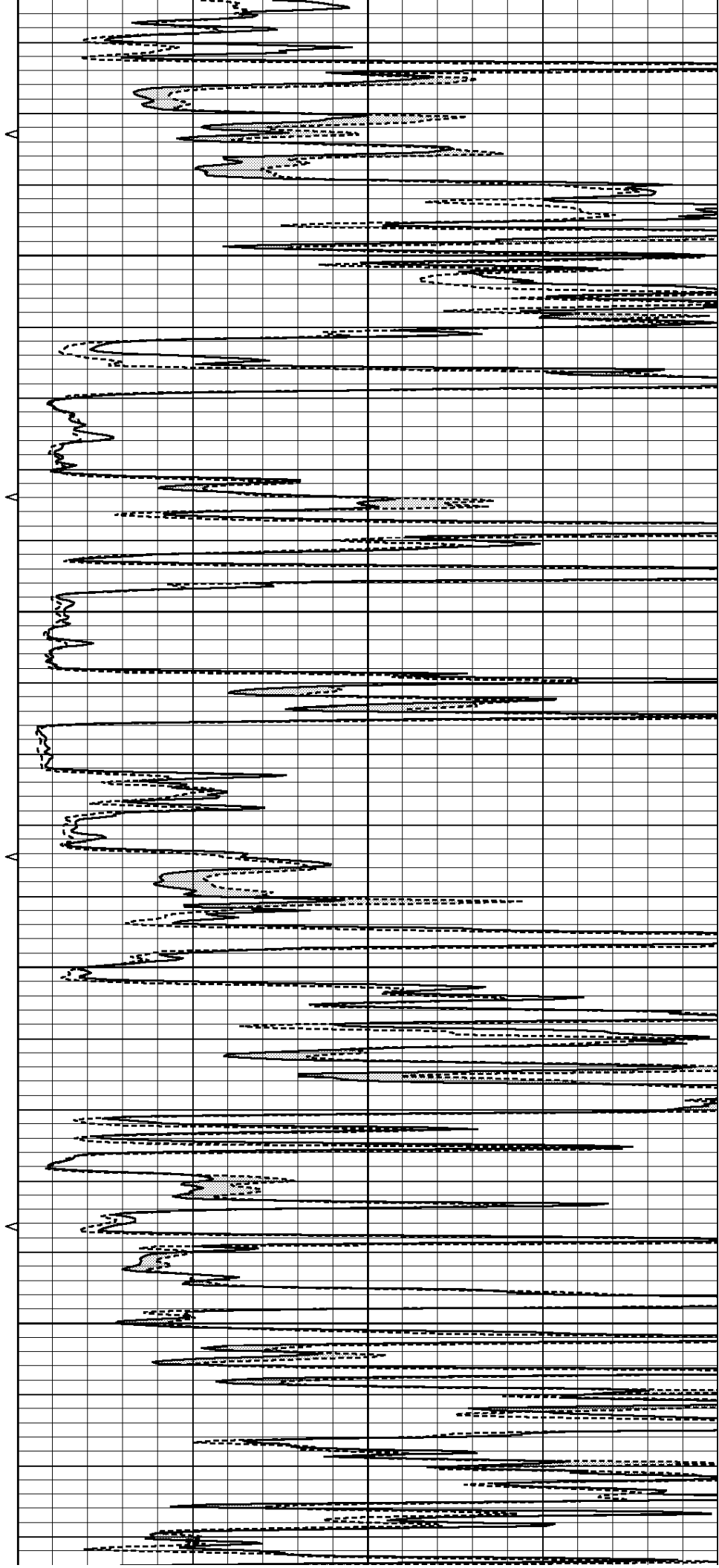
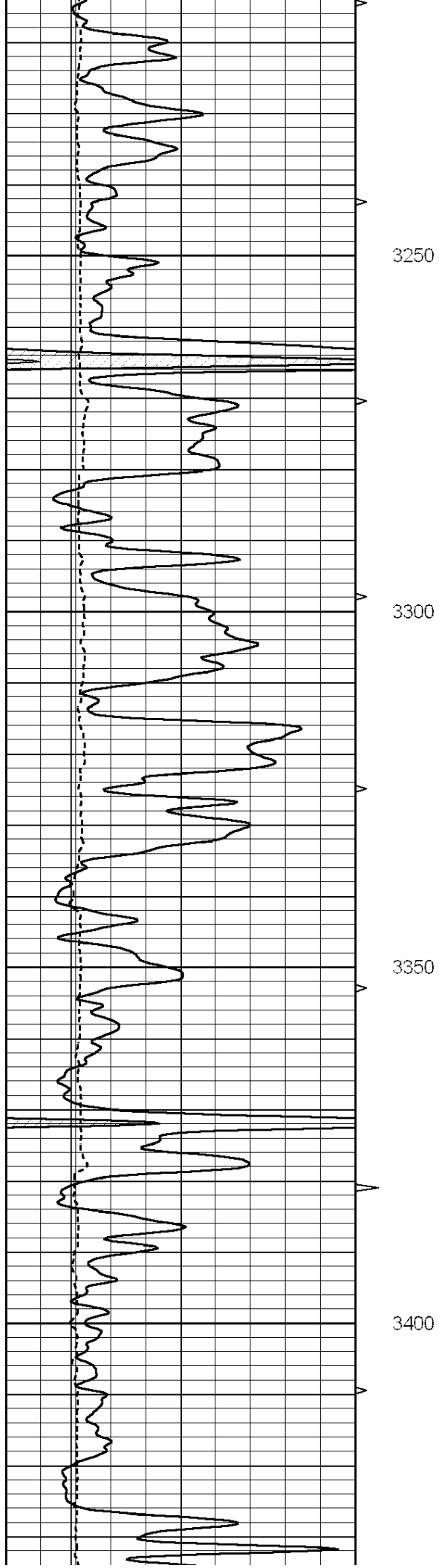
Comments

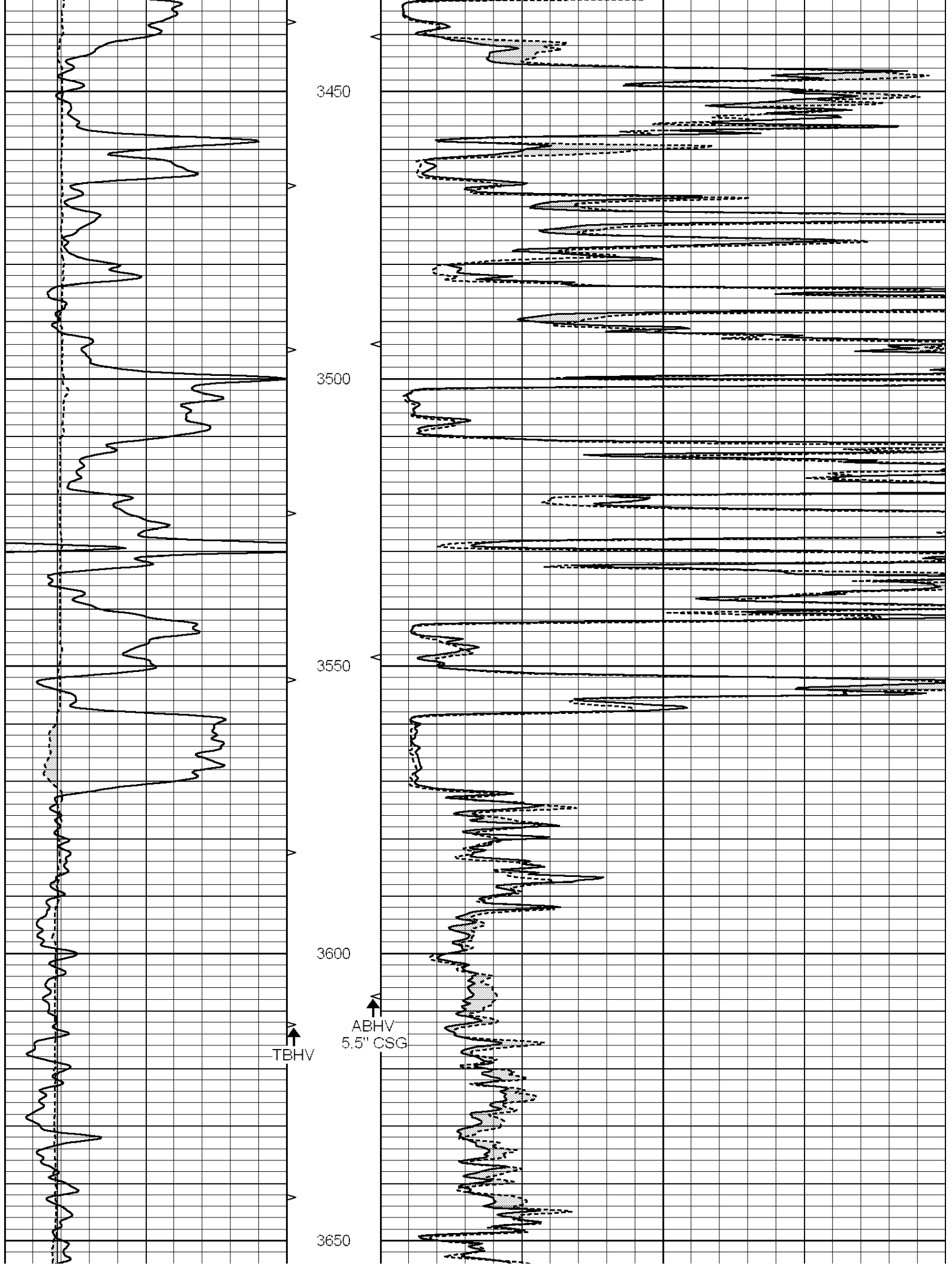
THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
CATHERINE, KS - 2 MILES EAST TO CODELL RD - 2 MILES NORTH
1/2 MILE WEST - SOUTH INTO

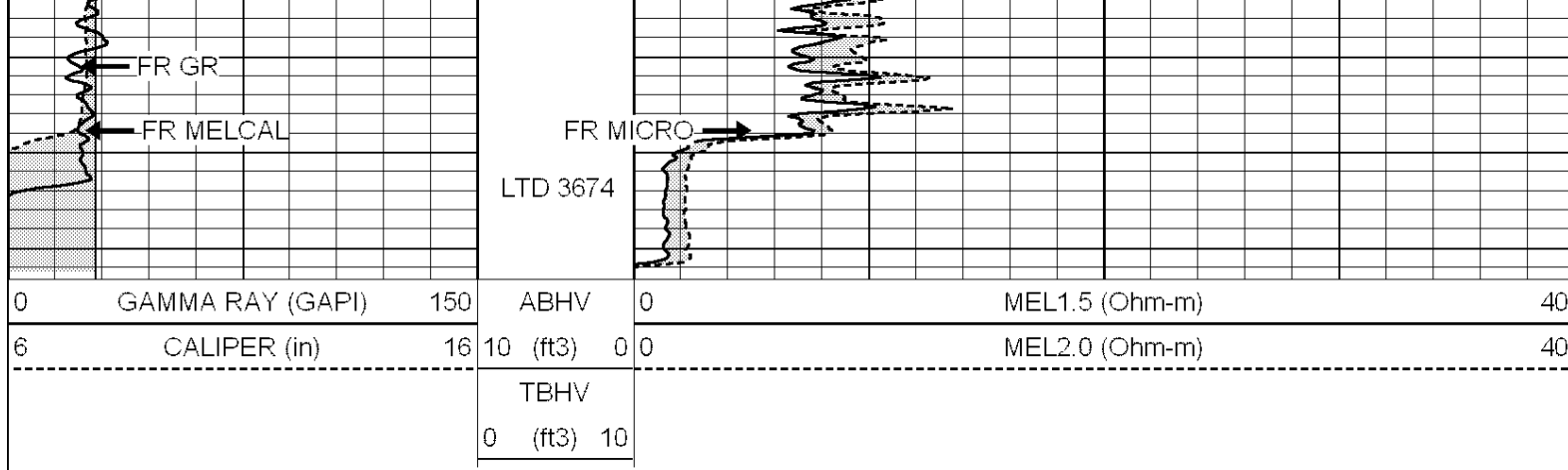
Charted by:		Depth in Feet scaled 1:2.15				
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3)	10		









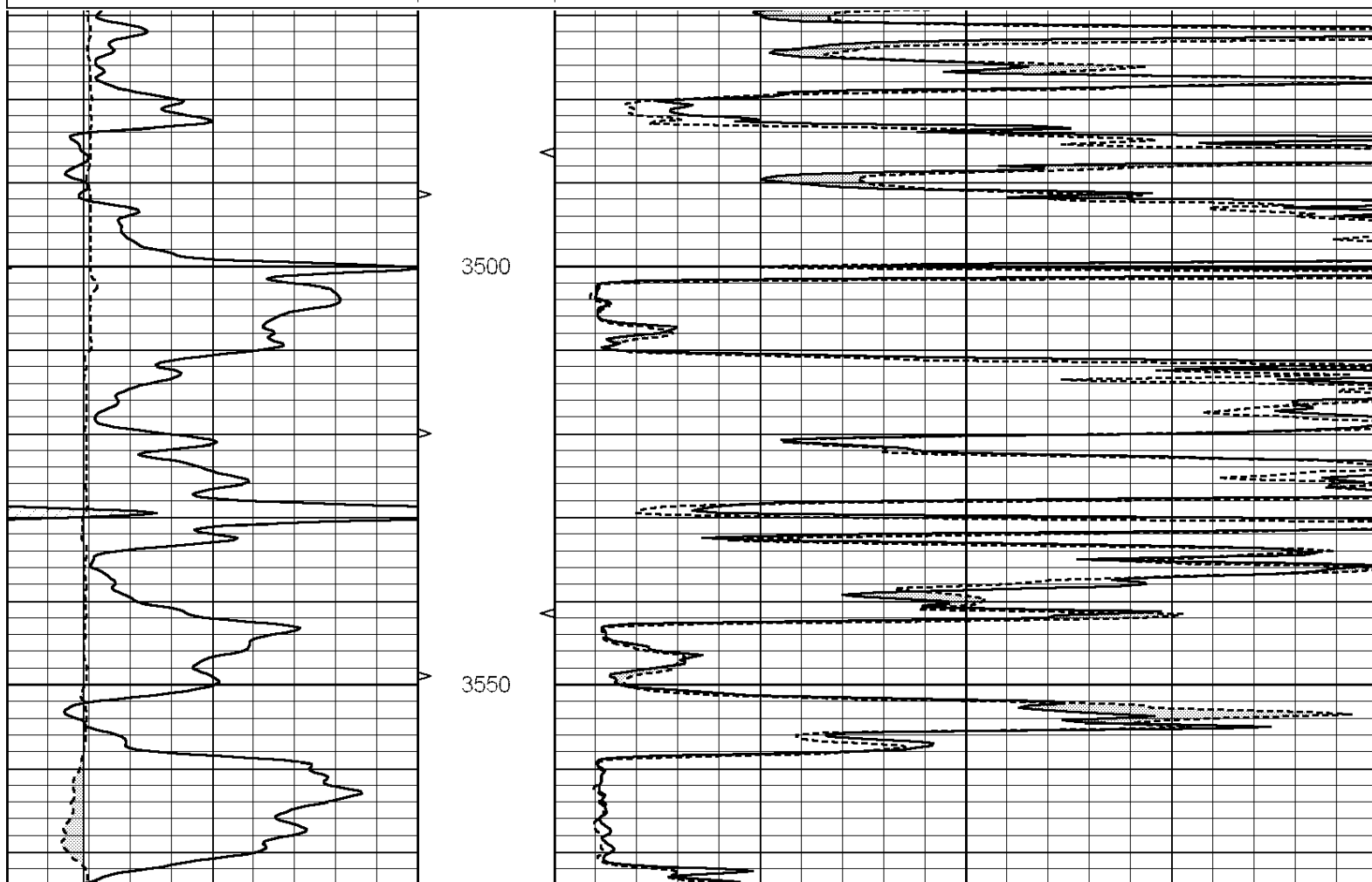


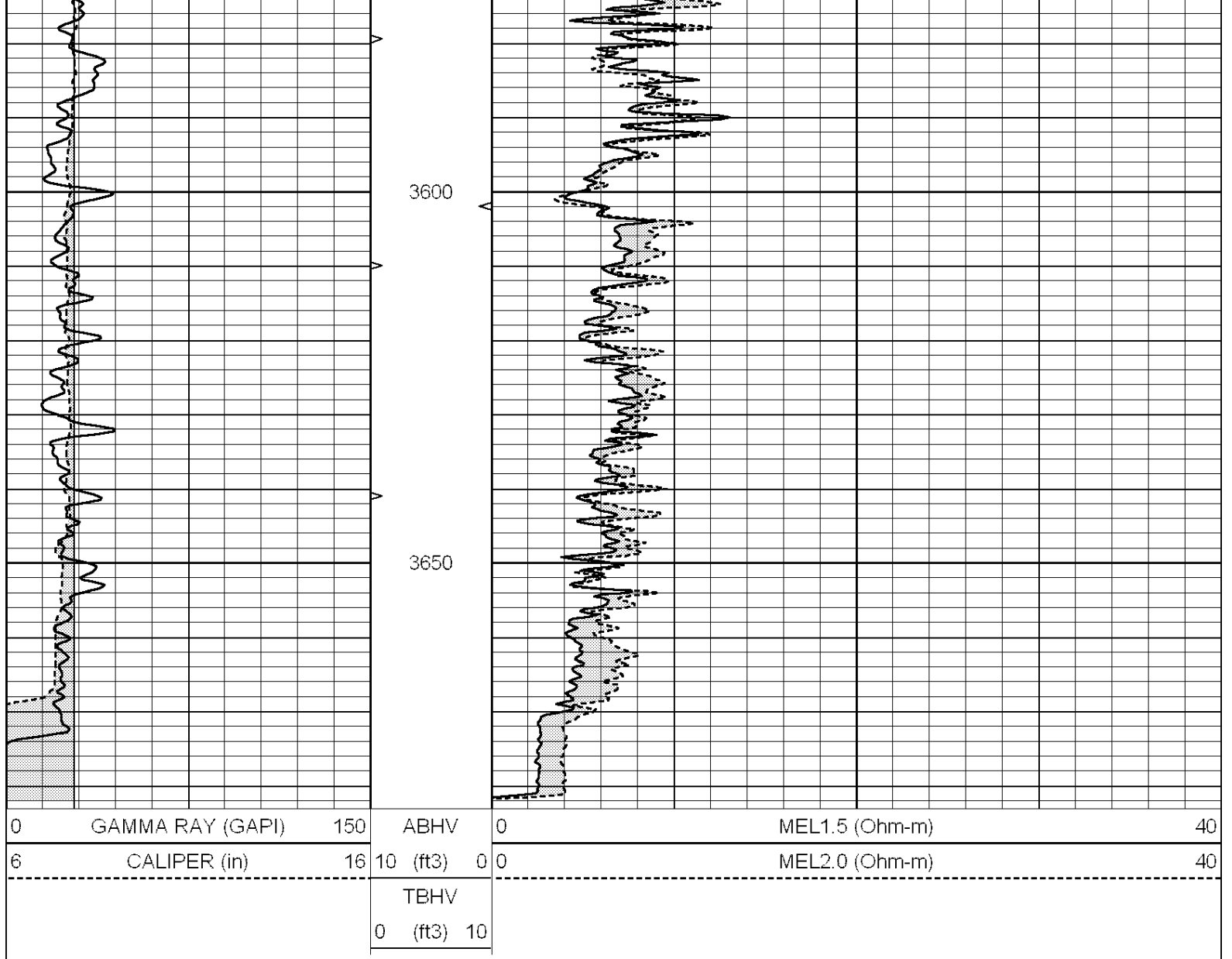
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REPEAT SECTION

Database File: 008670ddn.db
 Dataset Pathname: pass5.1
 Presentation Format: _micro
 Dataset Creation: Wed Jan 11 15:56:20 2012 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
			TBHV			
			0 (ft3)	10		





Calibration Report

Database File: 008670ddn.db
Dataset Pathname: pass6.2
Dataset Creation: Wed Jan 11 15:54:17 2012 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO3
Tool Model: PROBE
Performed: Thu Nov 17 03:06:31 2011

Caliper Calibration: Gain=3.916 Offset=-9.071
References Low Cal High Cal
8.000 14.000
Readings 4.257 5.789

1.5" Calibration: Gain=130.000 Offset=-0.700
References Low Cal High Cal
0.000 20.000
Readings 0.004 0.228

2" Calibration: Gain=140.553 Offset=-1.220
References Low Cal High Cal
0.000 20.000
Readings 0.004 0.228

References	0.000	20.000
Readings	0.005	0.175

Gamma Ray Calibration Report

Serial Number:	#8	
Tool Model:	OPEN	
Performed:	Mon Jun 13 16:56:43 2011	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	175.0	cps
Sensitivity:	0.8371	GAPI/cps