



**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company DOWNING NELSON OIL COMPANY, INC.
Well HERMAN #1-11
Field WILDCAT
County TREGO
State KANSAS

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Location: API # : 15-195-22849-0000
1100' FSL & 775' FWL
SEC 11 TWP 14S RGE 21W
Permanent Datum GROUND LEVEL Elevation 2224
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services CDL/CNL DIL/SON
Elevation K.B. 2232 D.F. 2230 G.L. 2224

Date	2/6/13		
Run Number	TWO		
Depth Driller	4111		
Depth Logger	4112		
Bottom Logged Interval	4094		
Top Log Interval	3200		
Casing Driller	8 5/8" @ 221		
Casing Logger	219		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 7000 PPM	
Density / Viscosity	9.1/56		
pH / Fluid Loss	10.5/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.1 @ 58F		
Rmt @ Meas. Temp	.82 @ 58F		
Rmc @ Meas. Temp	1.3 @ 58F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.54 @ 117F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	117F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
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

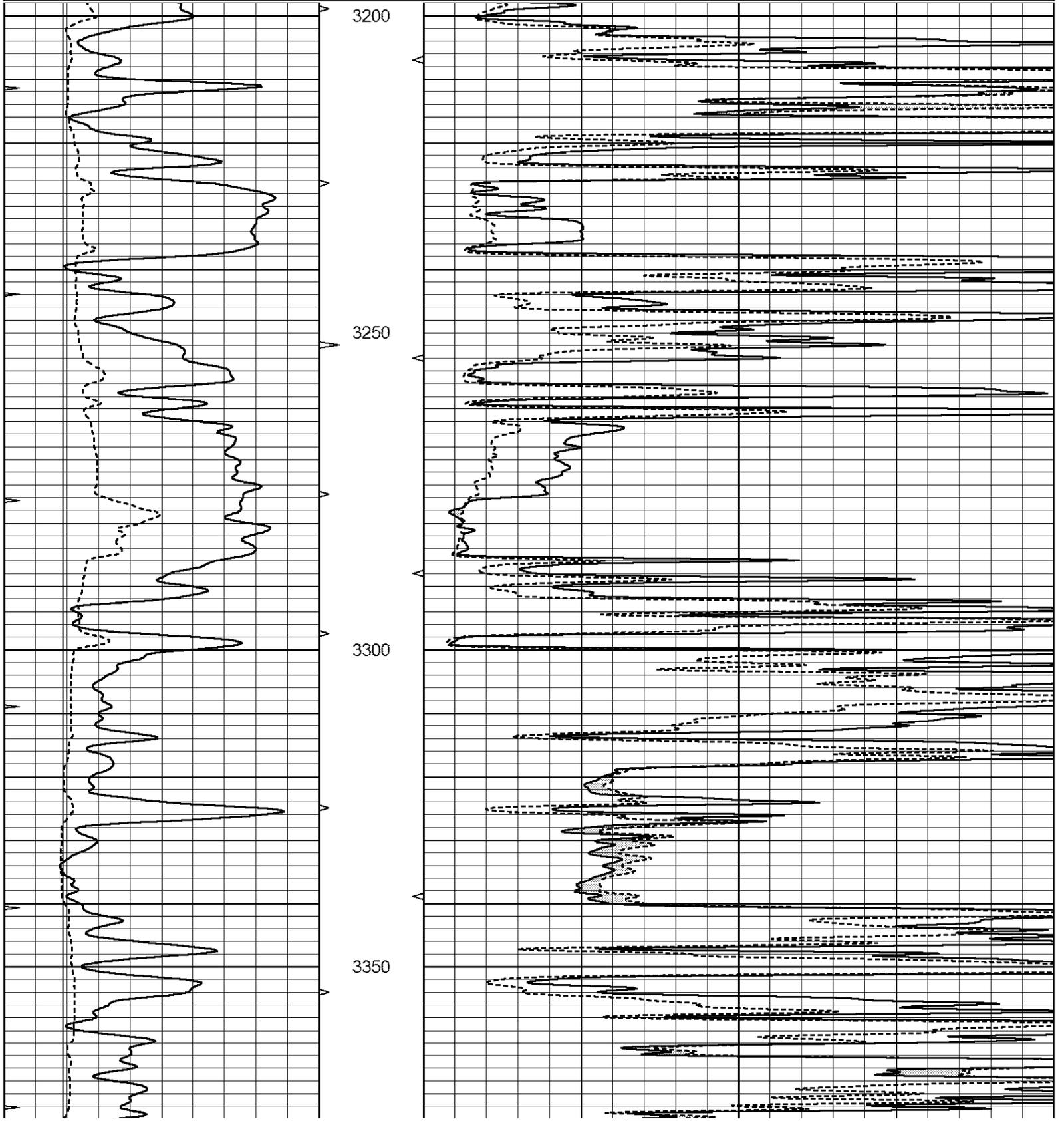
THANK YOU FOR USING NABORS HAYS, KANSAS (785) 628-6395
DIRECTIONS
ELLIS, KS. - S. TO VICTORIA RD. - 4 W. TO 390TH RD. - 2 S. - E. INTO

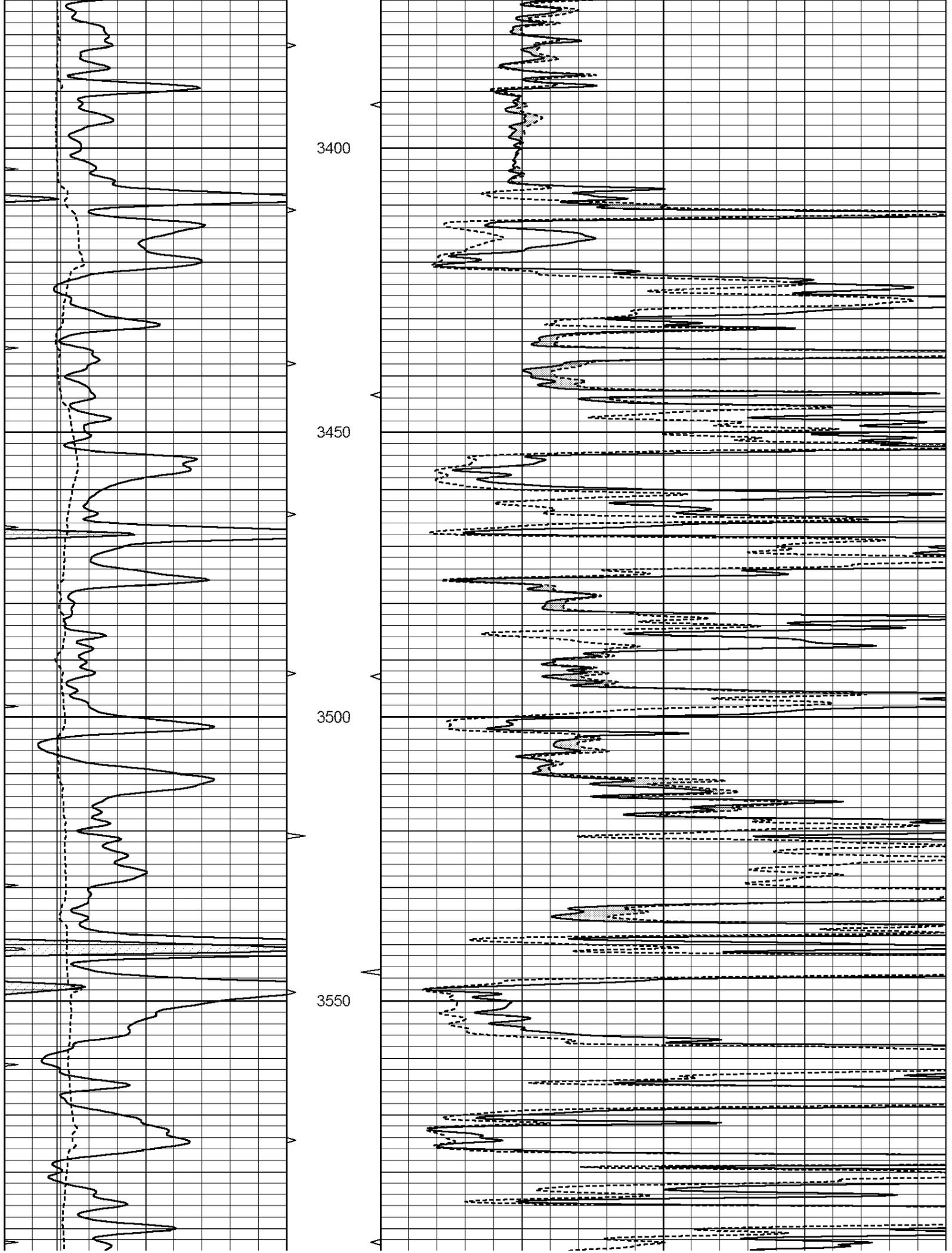


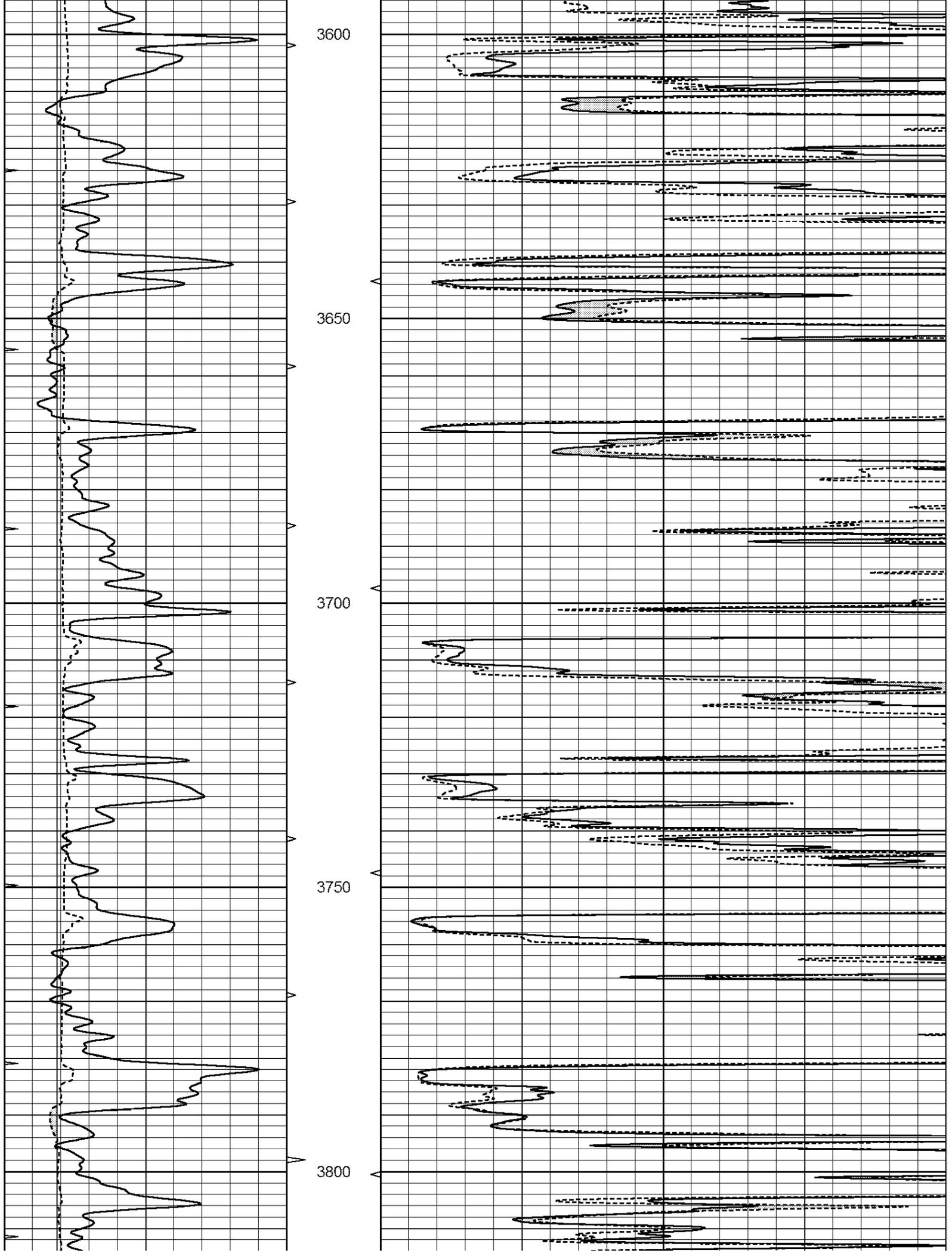
MAIN SECTION

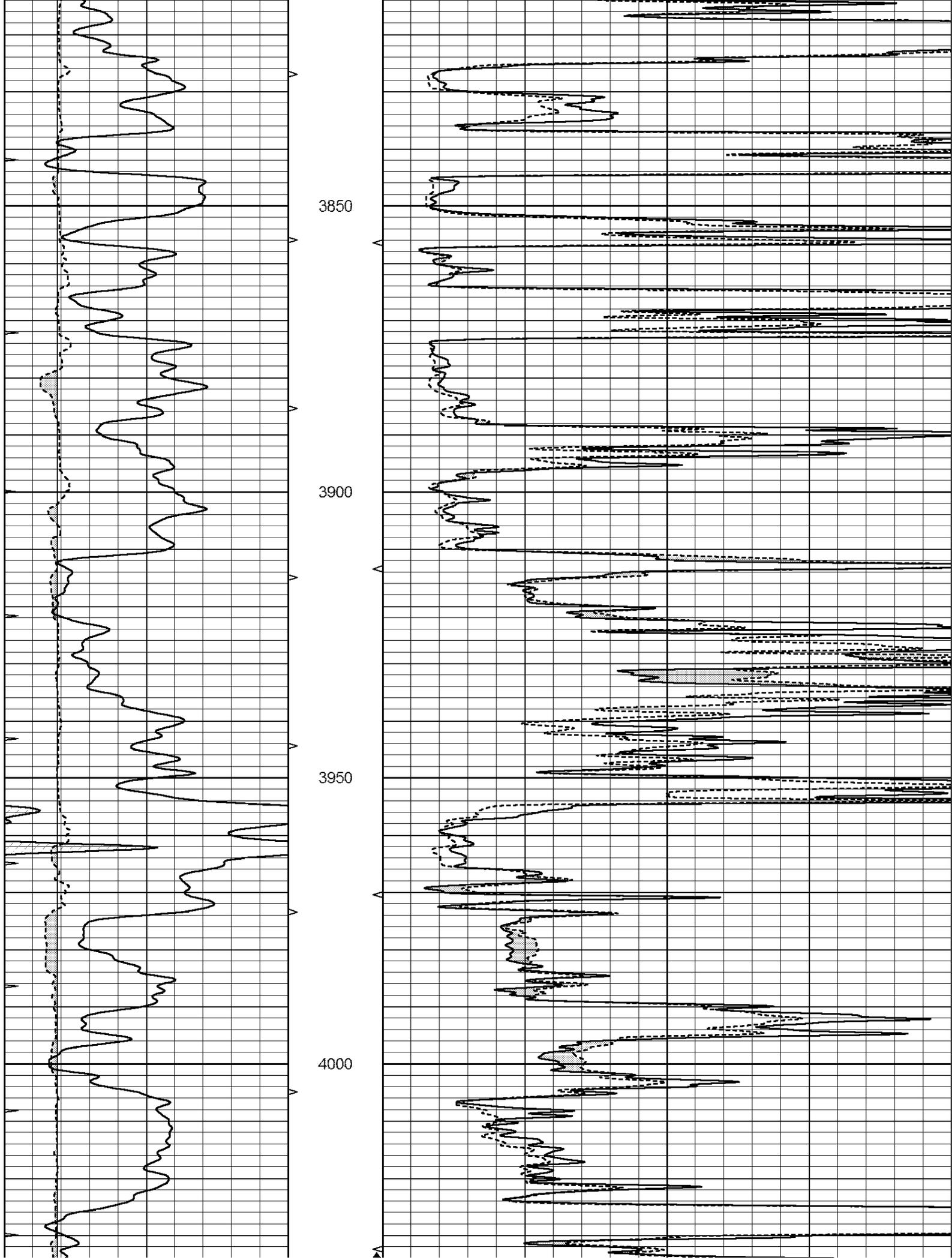
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 Dataset Pathname: pass7.1
 Presentation Format: _micro
 Dataset Creation: Wed Feb 06 13:22:09 2013 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

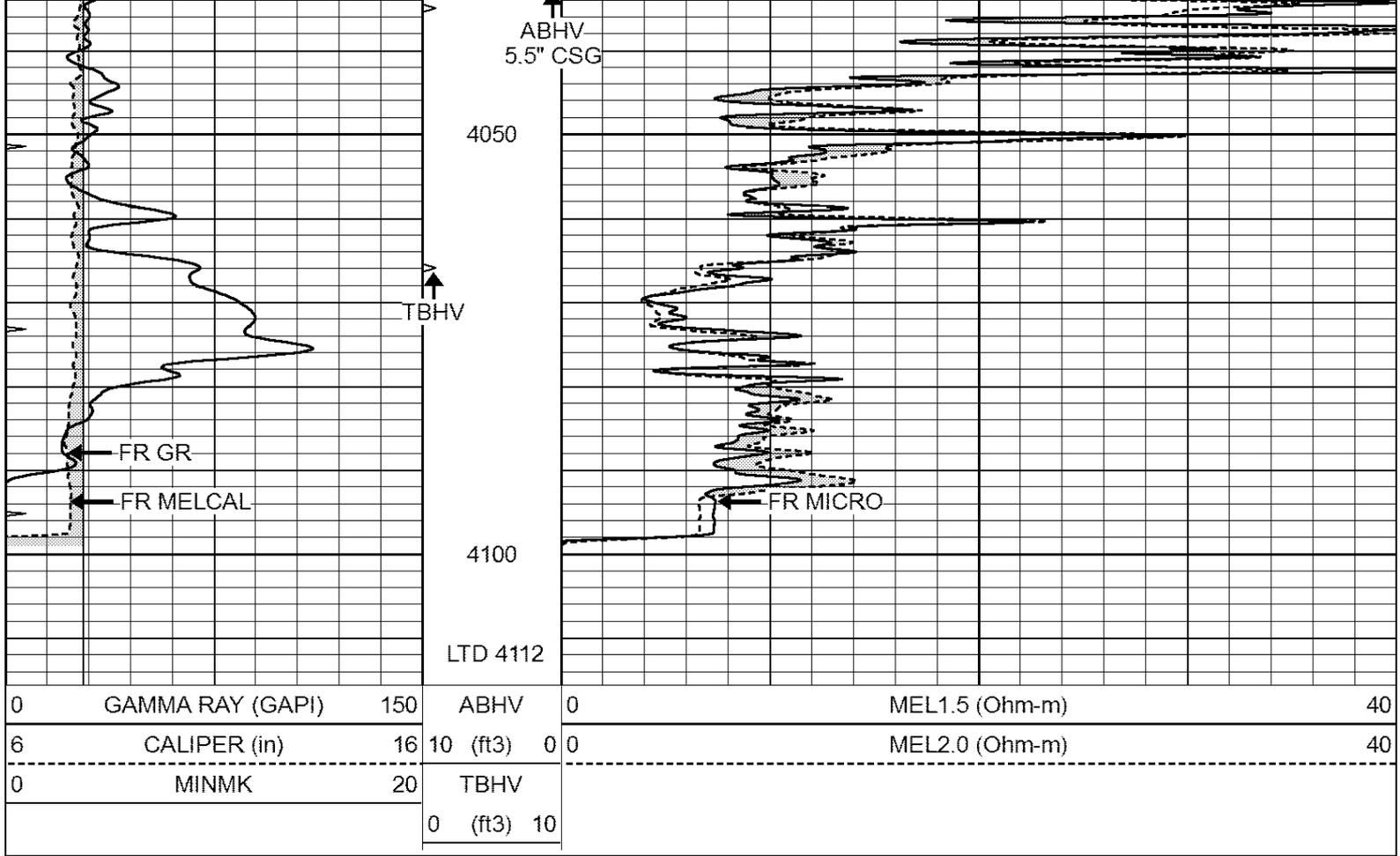
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		







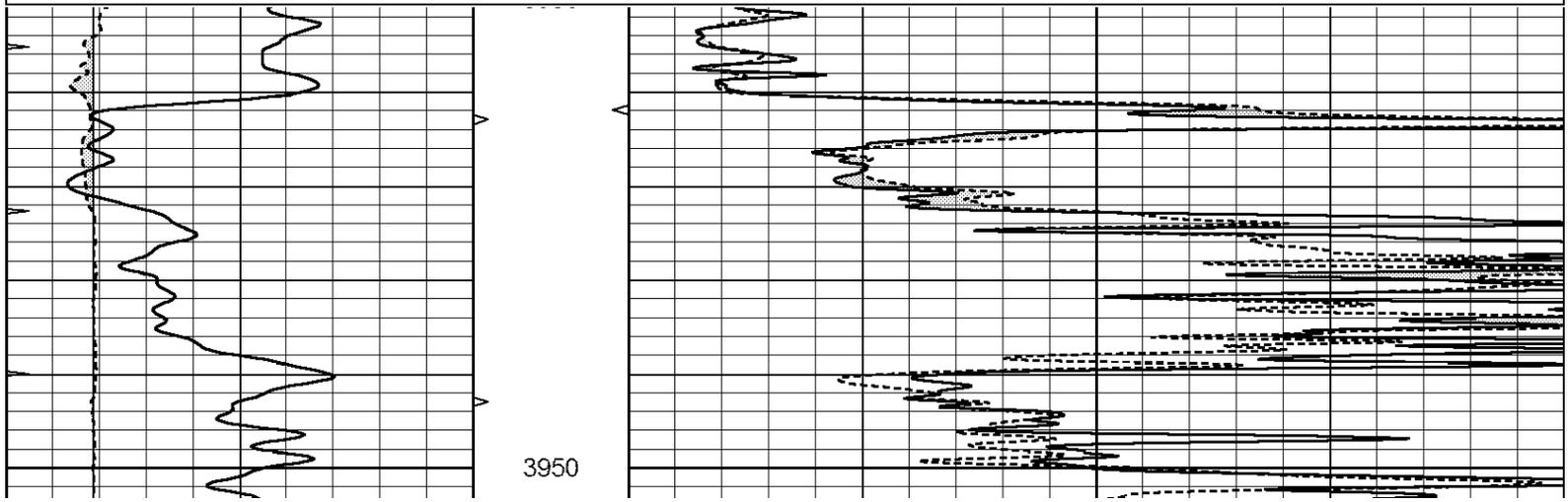


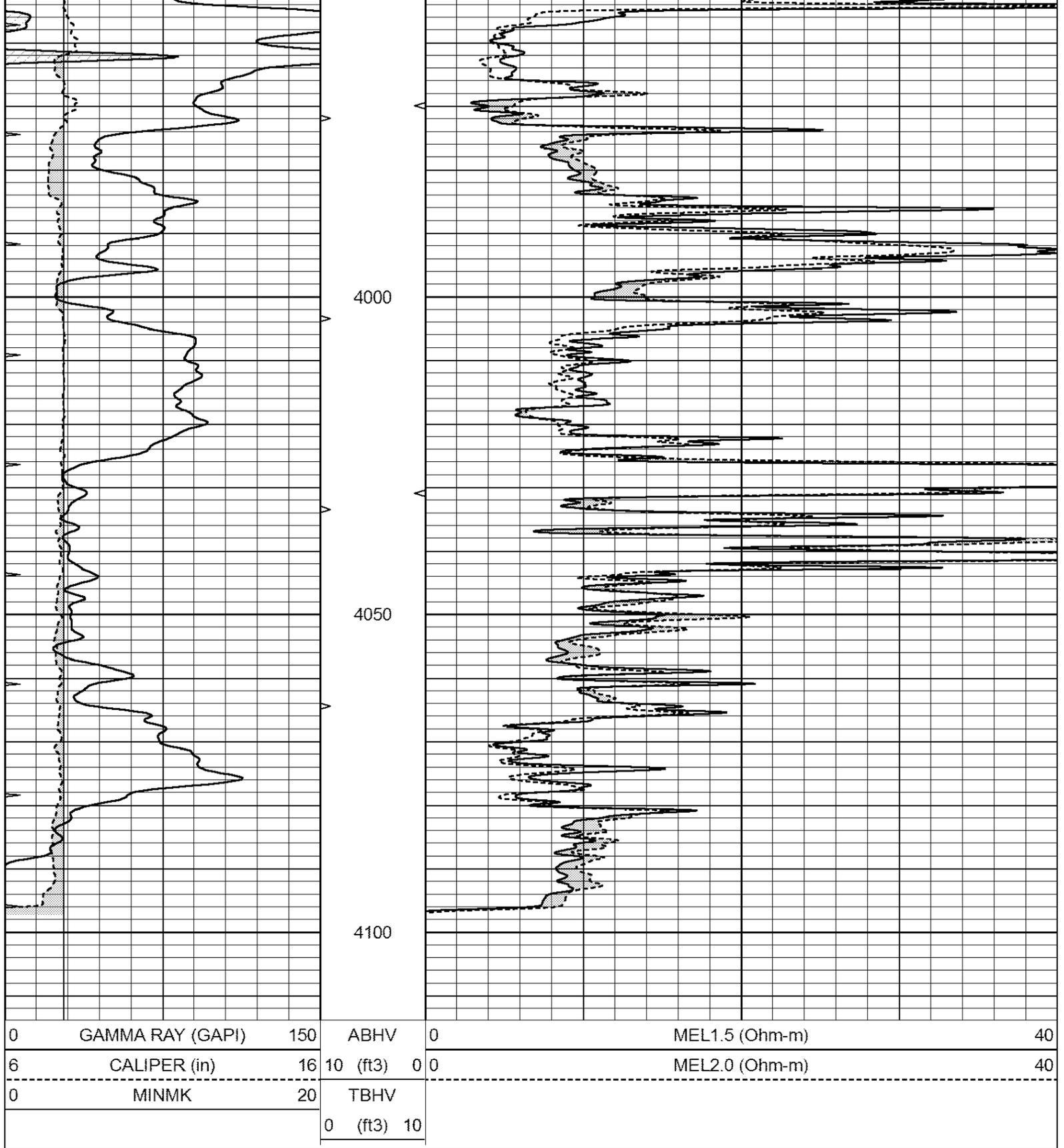


REPEAT SECTION

Database File: 010642ddn.db
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 Presentation Format: _micro
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 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		





Calibration Report

Database File: 010642ddn.db
 Dataset Pathname: pass7.1
 Dataset Creation: Wed Feb 06 13:22:09 2013 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO6
 Tool Model: PROBE
 Performed: Tue Jan 15 17:57:23 2013

Caliper Calibration:	Gain=5.542	Offset=-1.120
References	Low Cal 8.000	High Cal 14.000
Readings	1.431	2.513
1.5" Calibration:	Gain=45.075	Offset=-0.700
References	Low Cal 0.000	High Cal 20.000
Readings	0.004	1.196
2" Calibration:	Gain=42.041	Offset=0.000
References	Low Cal 0.000	High Cal 20.000
Readings	0.006	0.913
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