



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company	L.D. DRILLING, INC.	
Well	BARNES #2-21	
Field		
County	BARTON	State
State	KANSAS	
Company	L.D. DRILLING, INC.	
Well	BARNES #2-21	
Field		
County	BARTON	State
State	KANSAS	
Location:	API # : 15-009-26087-0000	Other Services CDL/CNL DIL/SON
Permanent Datum	900' FNL & 330' FWL N/2 SW NW NW	
Log Measured From	SEC 21 TWP 18S RGE 14W	Elevation K.B. 1934 D.F. 1932 G.L. 1929
Drilling Measured From	GROUND LEVEL KELLY BUSHING 5' A.G.L. KELLY BUSHING	1929
Date	4/7/15	
Run Number	TWO	
Depth Driller	3560	
Depth Logger	3566	
Bottom Logged Interval	3544	
Top Log Interval	2800	
Casing Driller	8 5/8" @ 938	
Casing Logger	933	
Bit Size	7 7/8"	
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 9500 PPM
Density / Viscosity	9.3/59	
pH / Fluid Loss	11.0/10.0	
Source of Sample	FLOWLINE	
Rm @ Meas. Temp	.50 @ 68F	
Rmt @ Meas. Temp	.37 @ 68F	
Rmc @ Meas. Temp	1.59 @ 68F	
Source of Rmt / Rmc	MEASUREMENT	
Rm @ BHT	.30 @ 112F	
Time Circulation Stopped	2 HOURS	
Time Logger on Bottom		
Maximum Recorded Temperature	112F	
Equipment Number	4010	
Location	HAYS, KANSAS	
Recorded By	JASON CAPPELLUCCI	
Witnessed By	JIM MUSGROVE	

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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, KS. (785) 628-6395
DIRECTIONS:

FROM HWY 281 & HWY 4 GO 4 MILES SOUTH TO CURVE - 2 WEST - 1/4 SOUTH - EAST INTO

Database File:

26550ddn.db

Dataset Pathname:

pass6.1

Presentation Format:

_micro

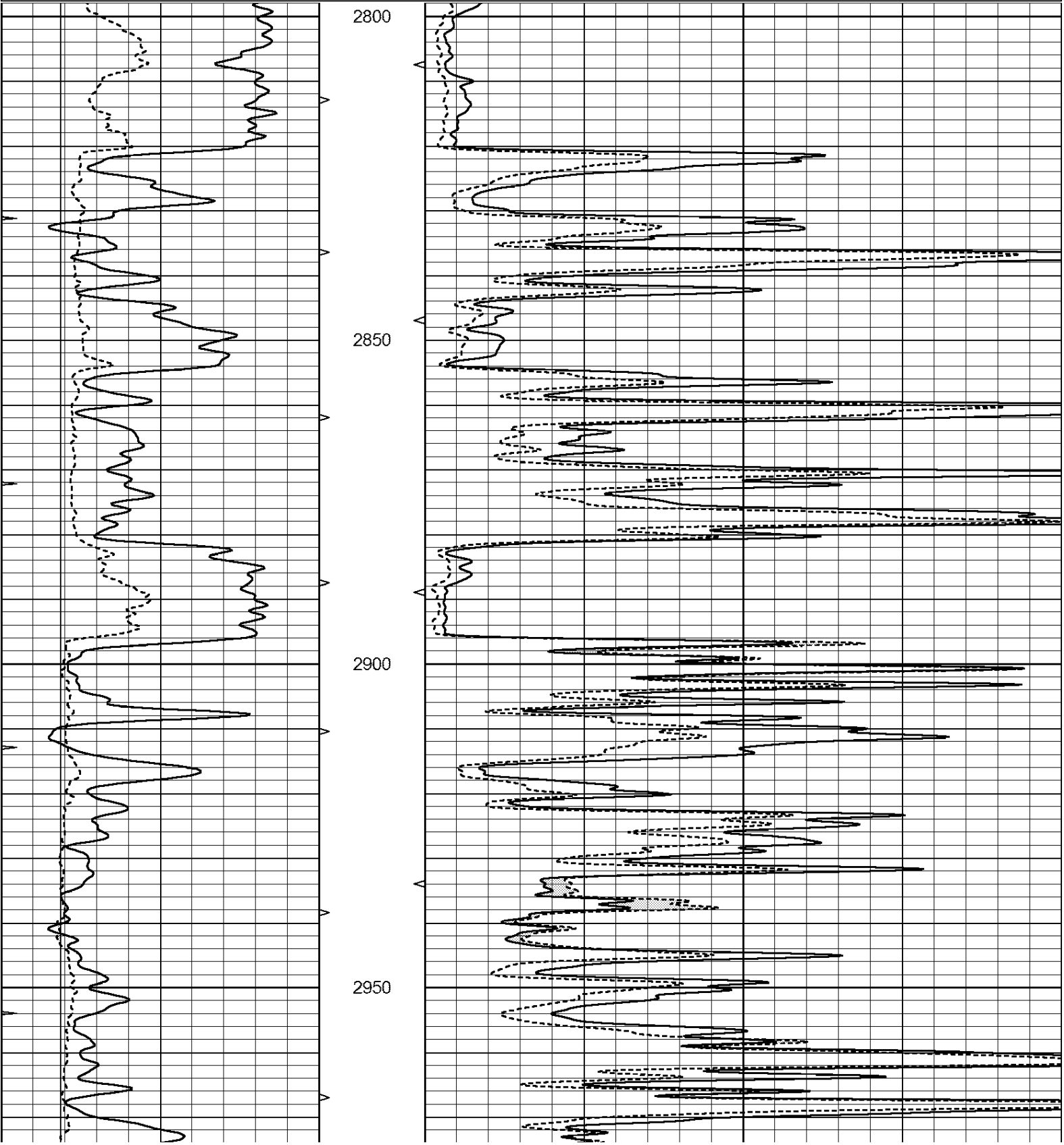
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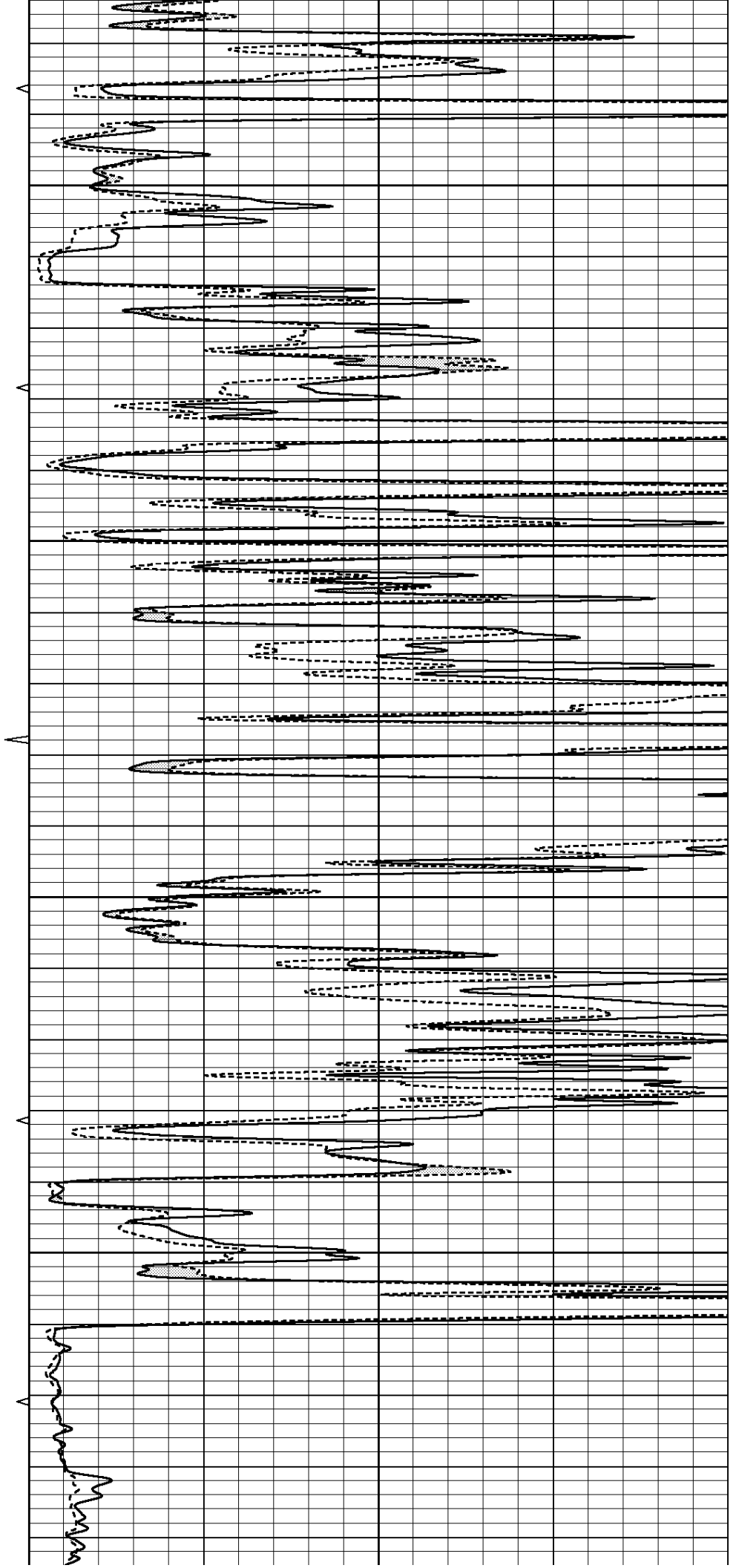
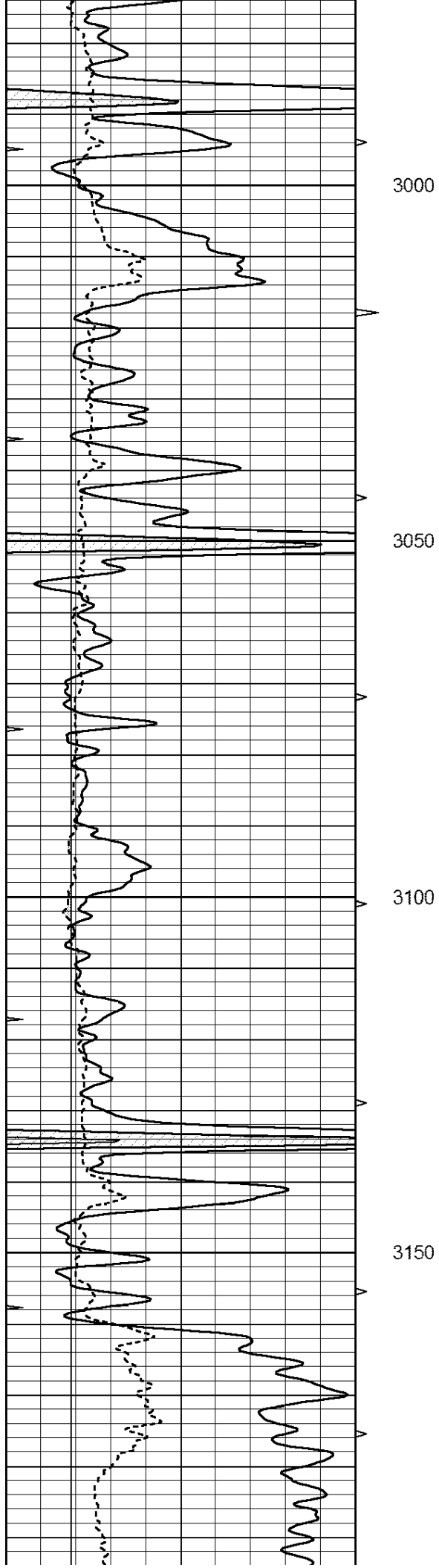
Tue Apr 07 11:53:15 2015 by Calc Open-Cased 090629

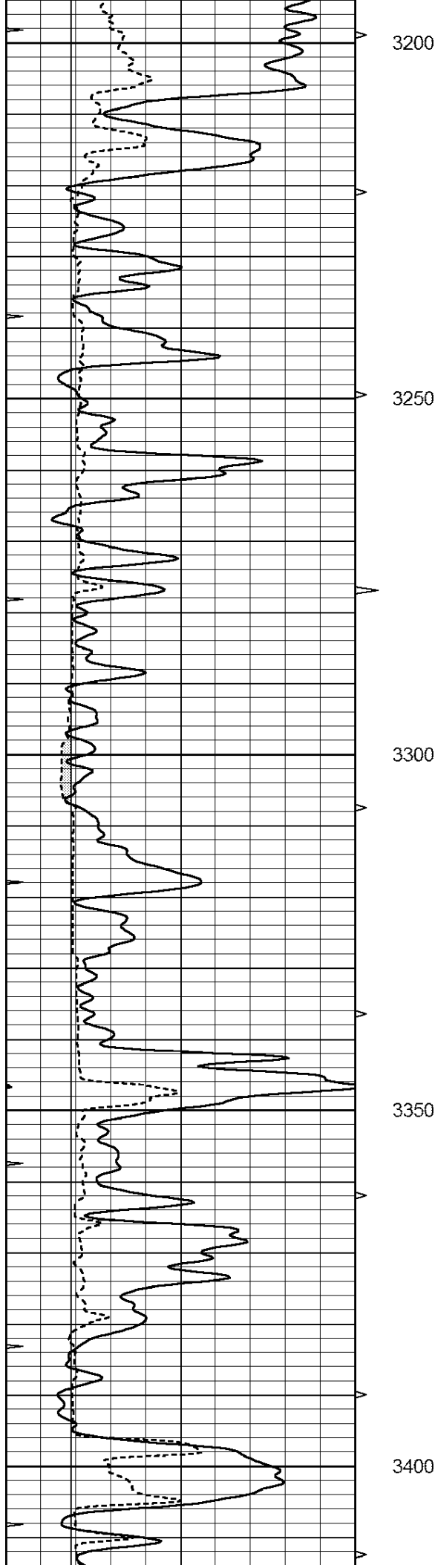
Charted by:

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		







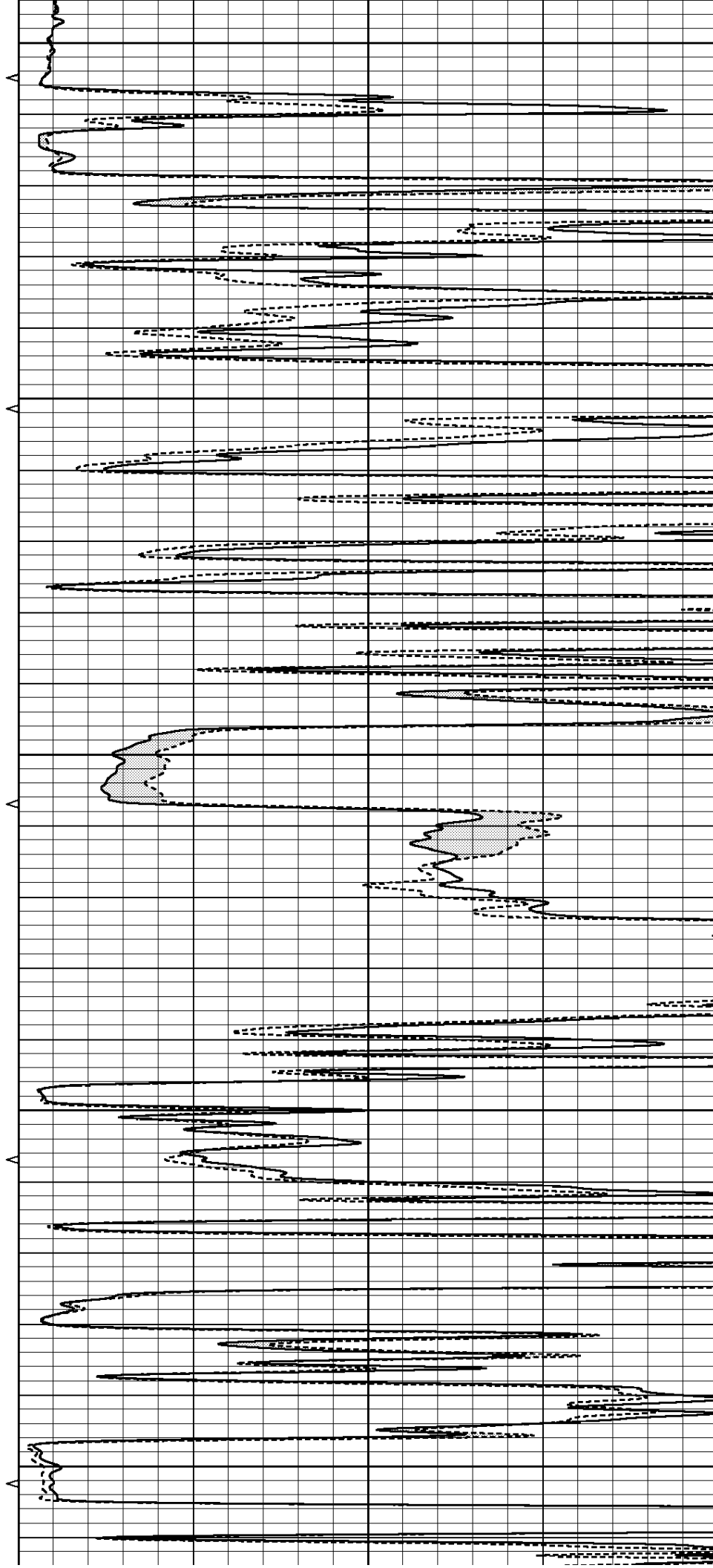
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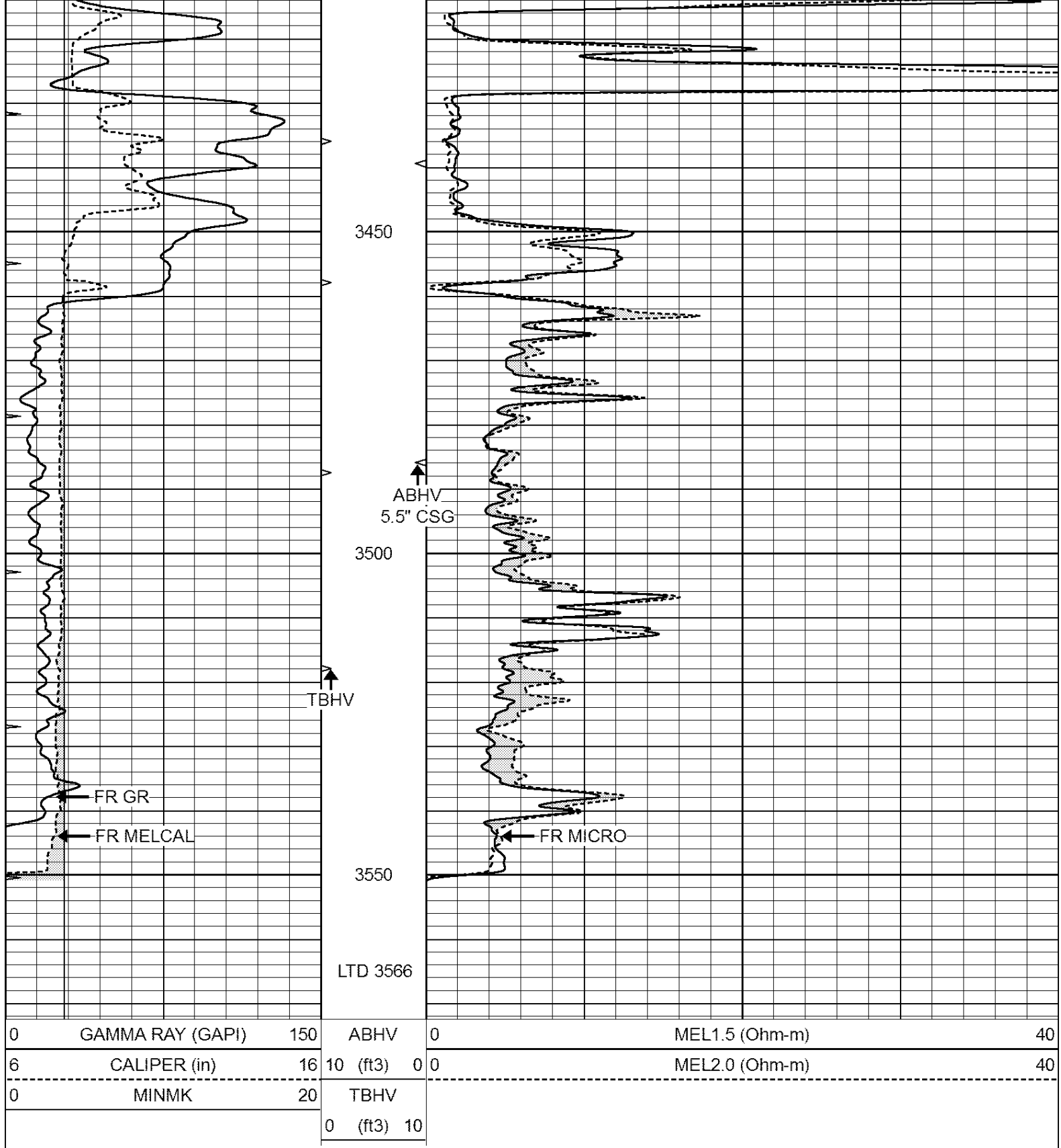
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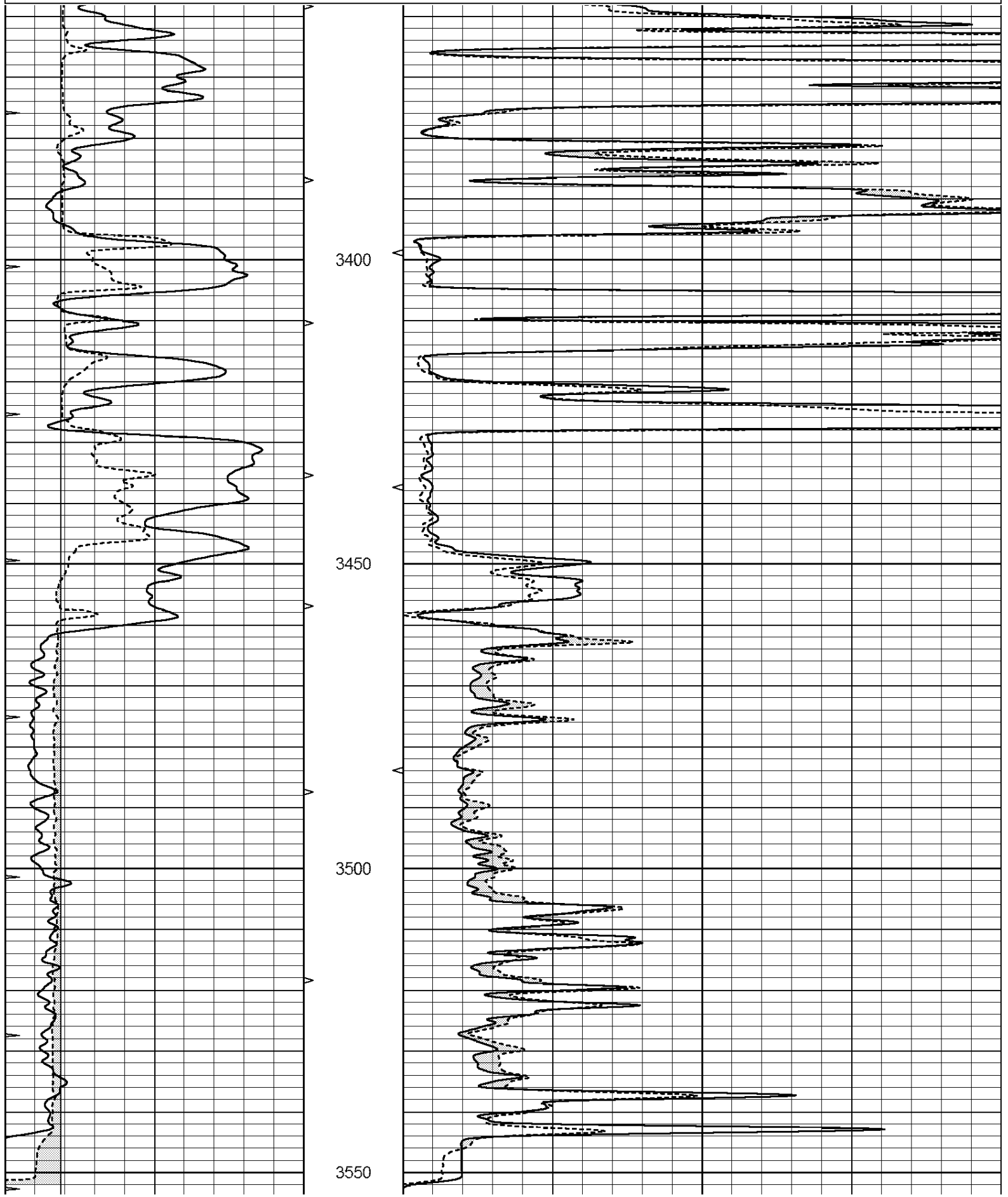




REPEAT SECTION

Database File: 26550ddn.db
 Dataset Pathname: pass5.2
 Presentation Format: _micro
 Dataset Creation: Tue Apr 07 11:27:53 2015 by Calc Open-Cased 090629
 Created by: Depth in Feet scaled 1:240

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		



[illegible]