



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company	L.D. DRILLING, INC.	Company	L.D. DRILLING, INC.
Well	#1-22 LORETTA POLZIN TRUST	Well	#1-22 LORETTA POLZIN TRUST
Field	WILDCAT	Field	WILDCAT
County	BARTON	County	BARTON
State	KANSAS	State	KANSAS
Location:	SEC 22 TWP 18S RGE 14W	Location:	API # : 15-009-25894-0000 1460' FSL & 1710' FWL
Permanent Datum	GROUND LEVEL	Elevation	1911
Log Measured From	KELLY BUSHING 5' A.G.L.	CDL/CNL	
Drilling Measured From	KELLY BUSHING	DIL/SON	
Date	10/21/13		
Run Number	TWO		
Depth Driller	3550		
Depth Logger	3549		
Bottom Logged Interval	3531		
Top Log Interval	2800		
Casing Driller	8 5/8" @ 897'		
Casing Logger	896		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5000 PPM	
Density / Viscosity	9.2/53		
pH / Fluid Loss	9.0/8.8		
Source of Sample	FLOWLINE		
Rin @ Meas. Temp	.70 @ 86F		
Rinf @ Meas. Temp	.52 @ 86F		
Rinc @ Meas. Temp	.84 @ 86F		
Source of Rinf / Rinc	MEASURED		
Rin @ BHT	.53 @ 112F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	112F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	KIM SHOEMAKER		

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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 COMPLETION & PRODUCTION SVCS. (785) 628-6395

DIRECTIONS:

INTERSECTION OF HWY 4 & 281 - 4 MILES SOUTH TO RD. 80 - 1 MILE WEST
3/4 MILE SOUTH - EAST INTO



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MAIN SECTION

Database File:

010947ddn.db

Dataset Pathname:

pass6.1

Presentation Format:

_micro

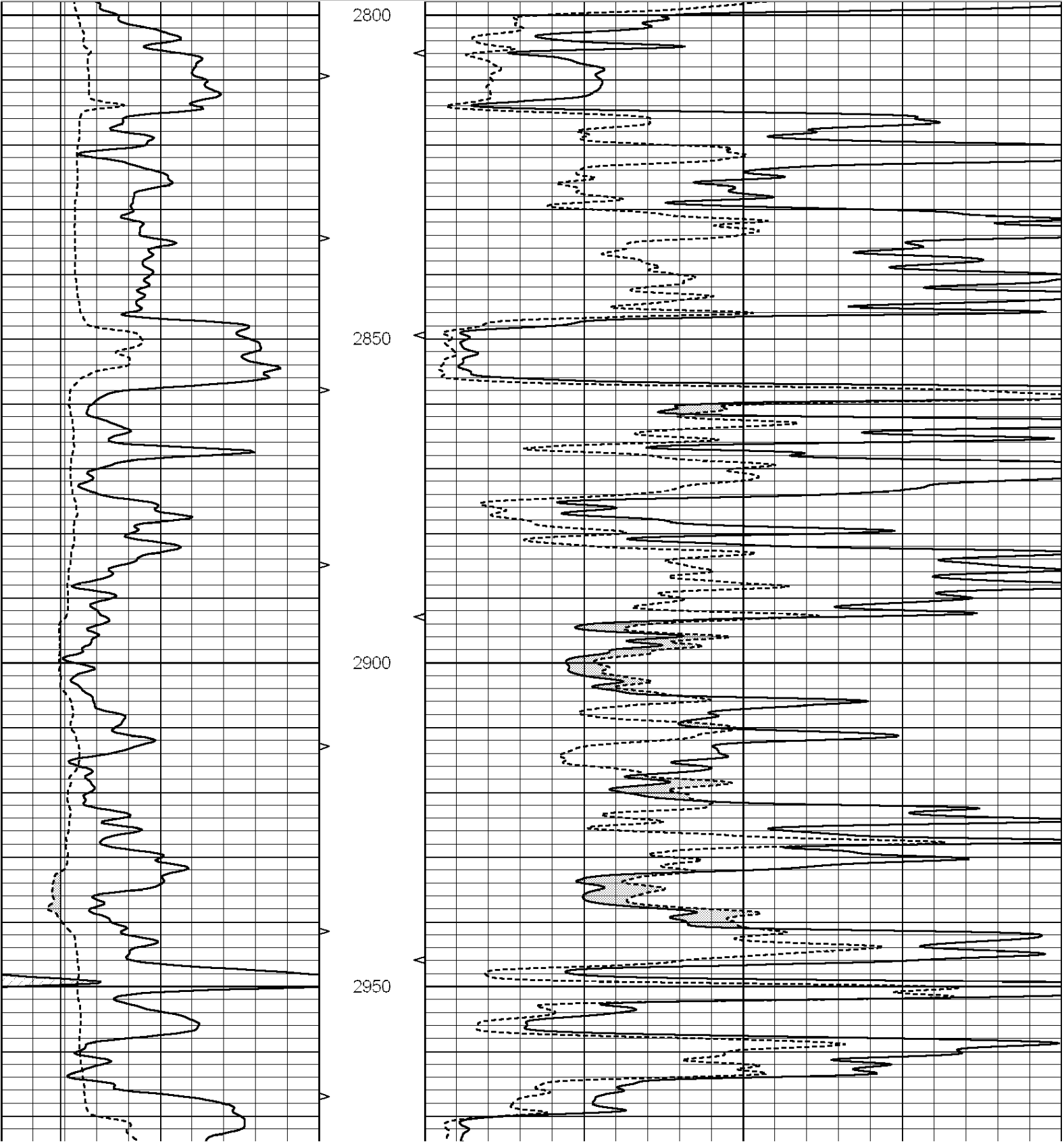
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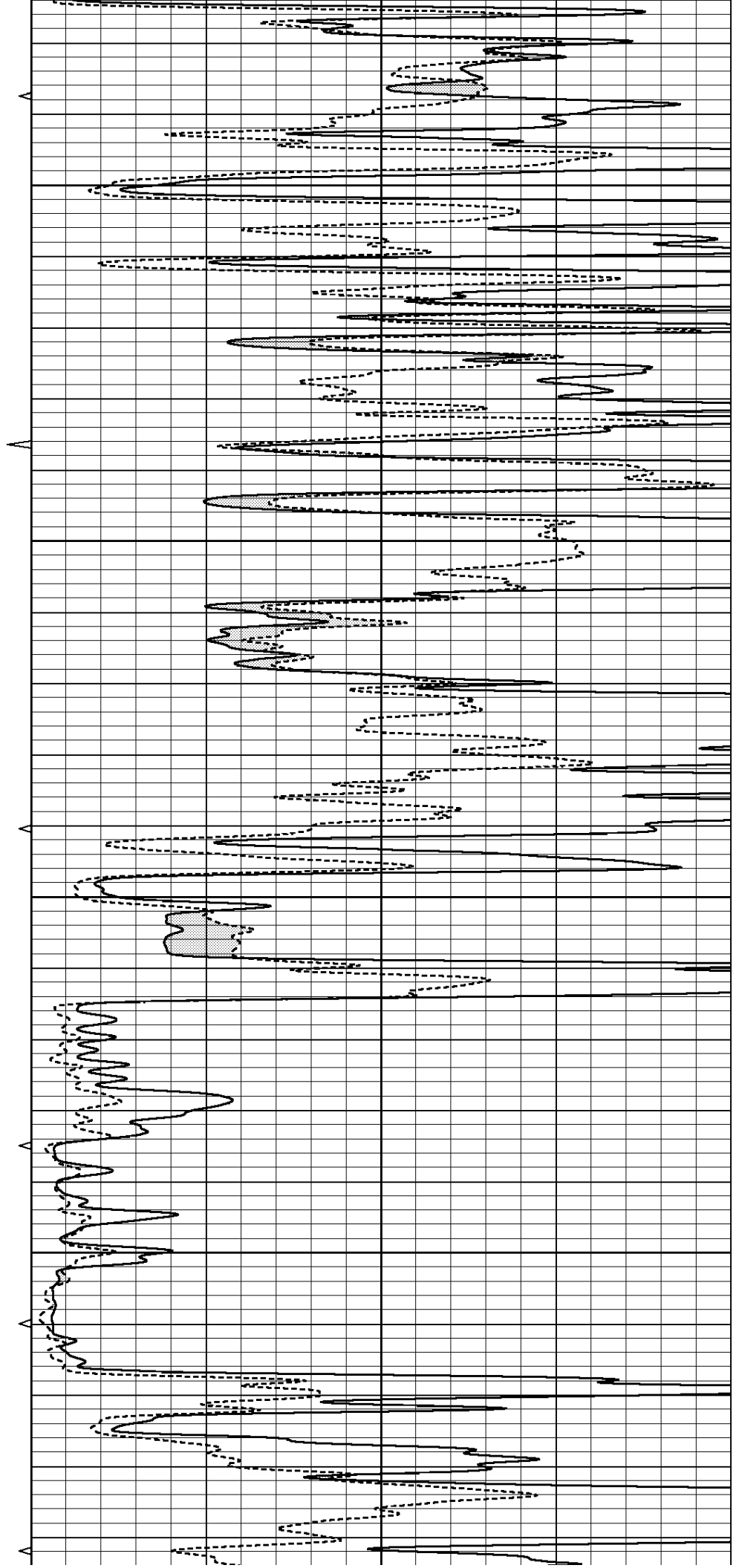
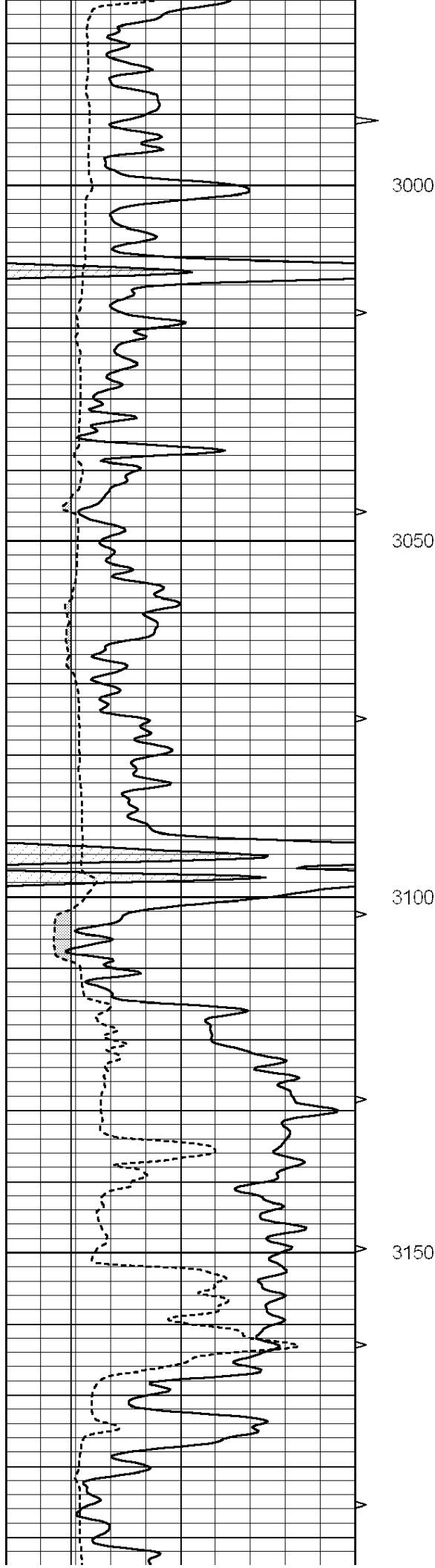
Mon Oct 21 14:56:29 2013 by Calc Open-Cased 090629

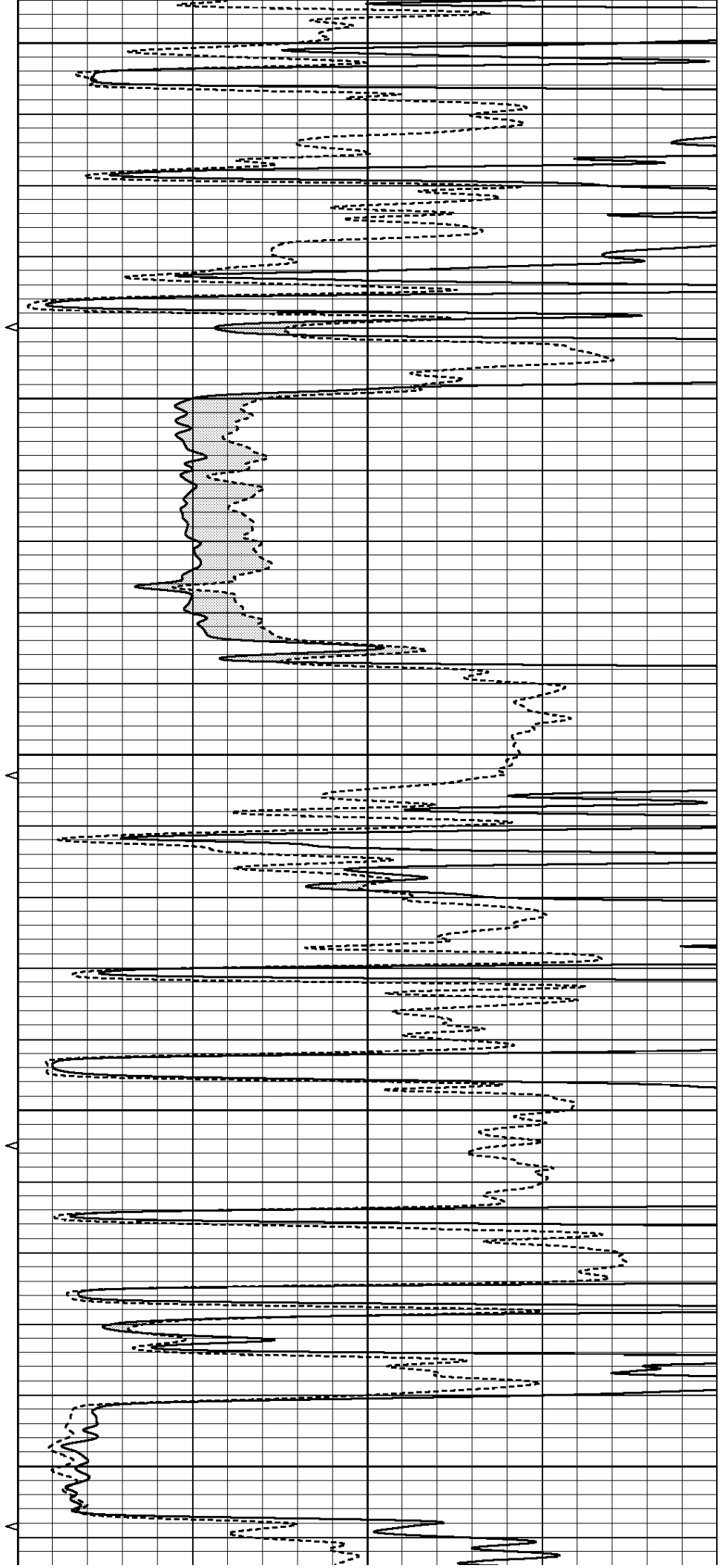
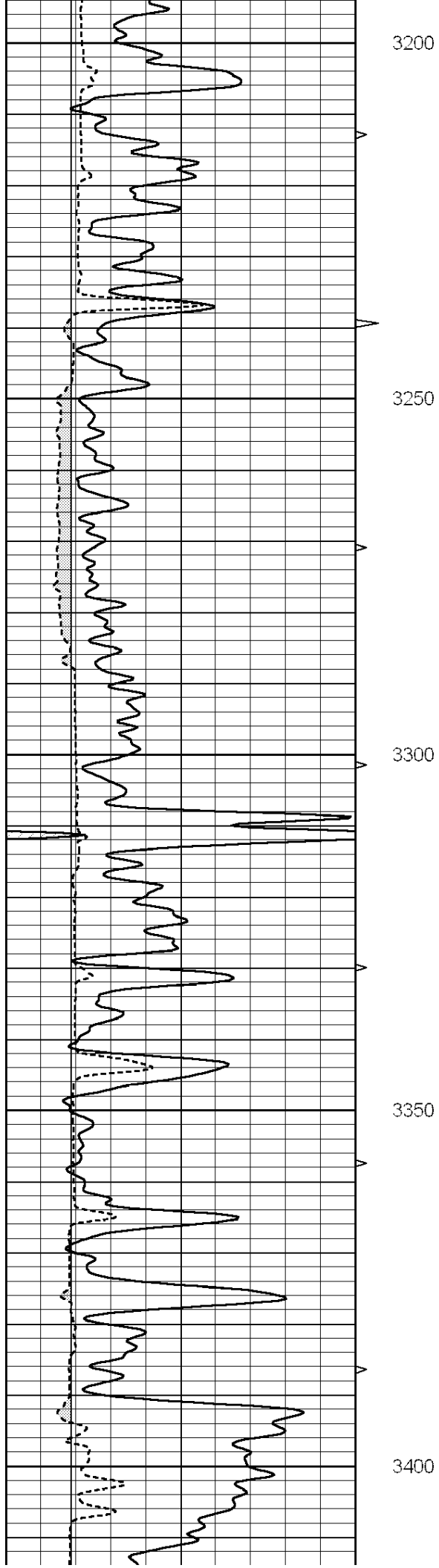
Charted by:

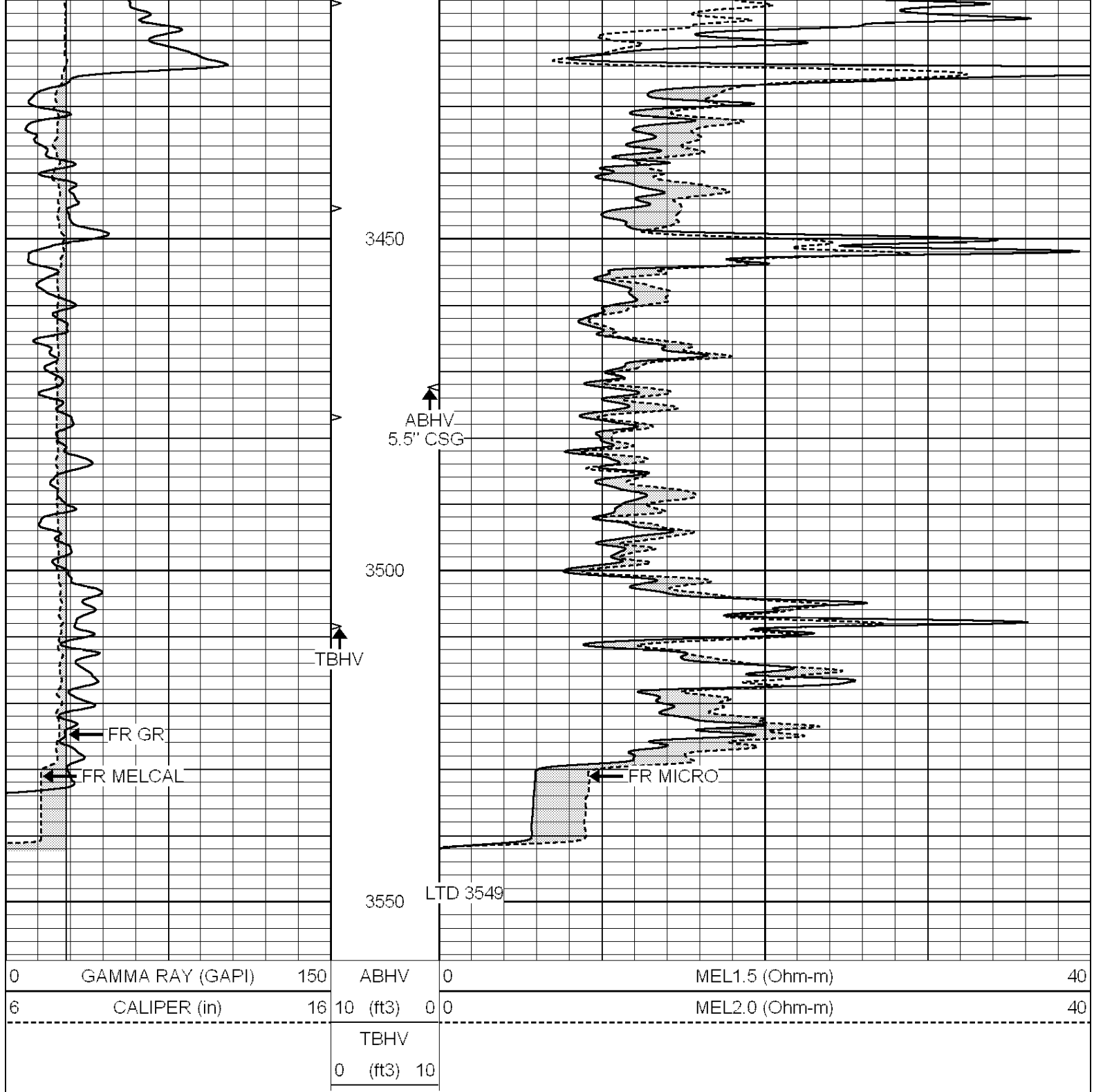
Depth in Feet scaled 1:240

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









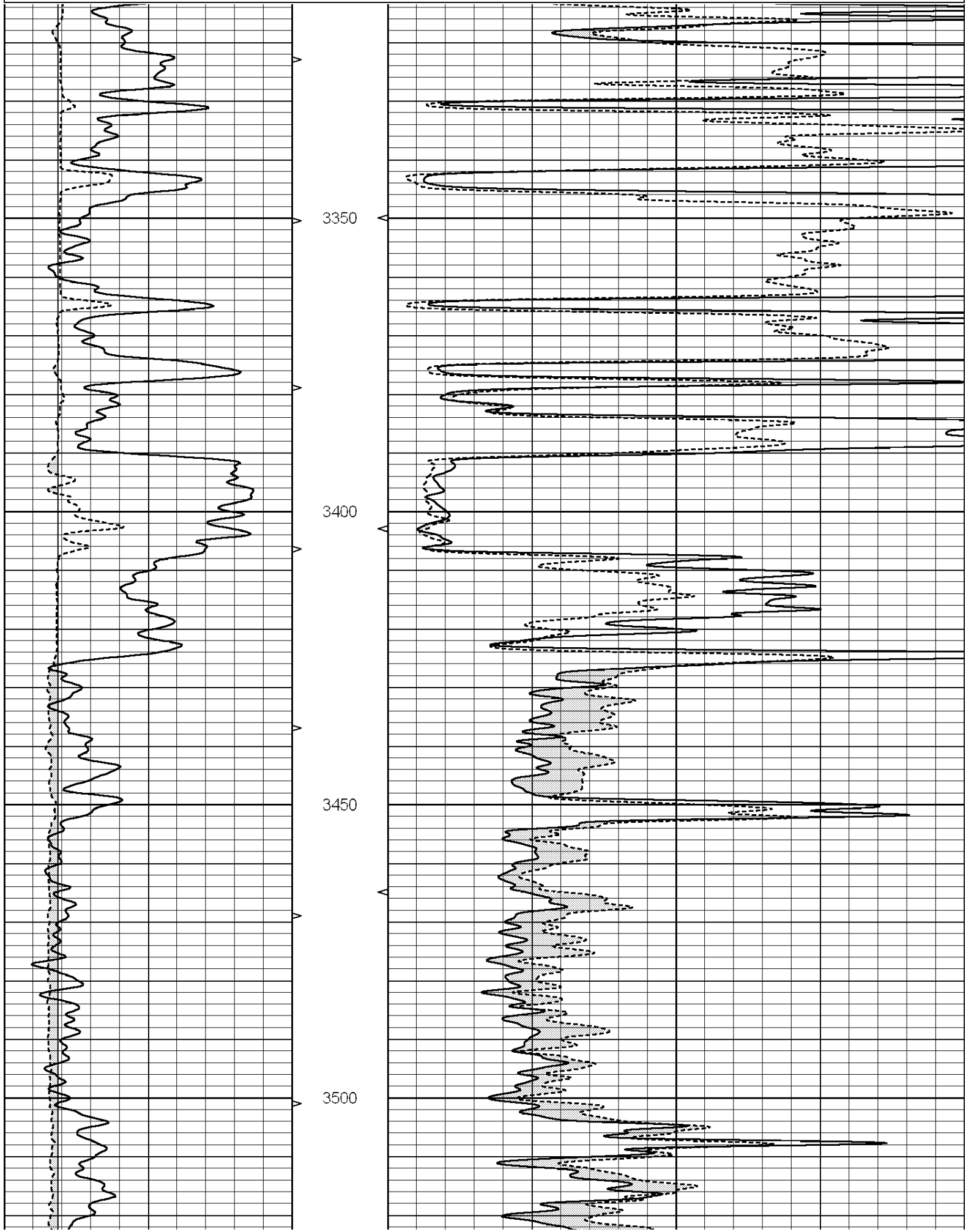
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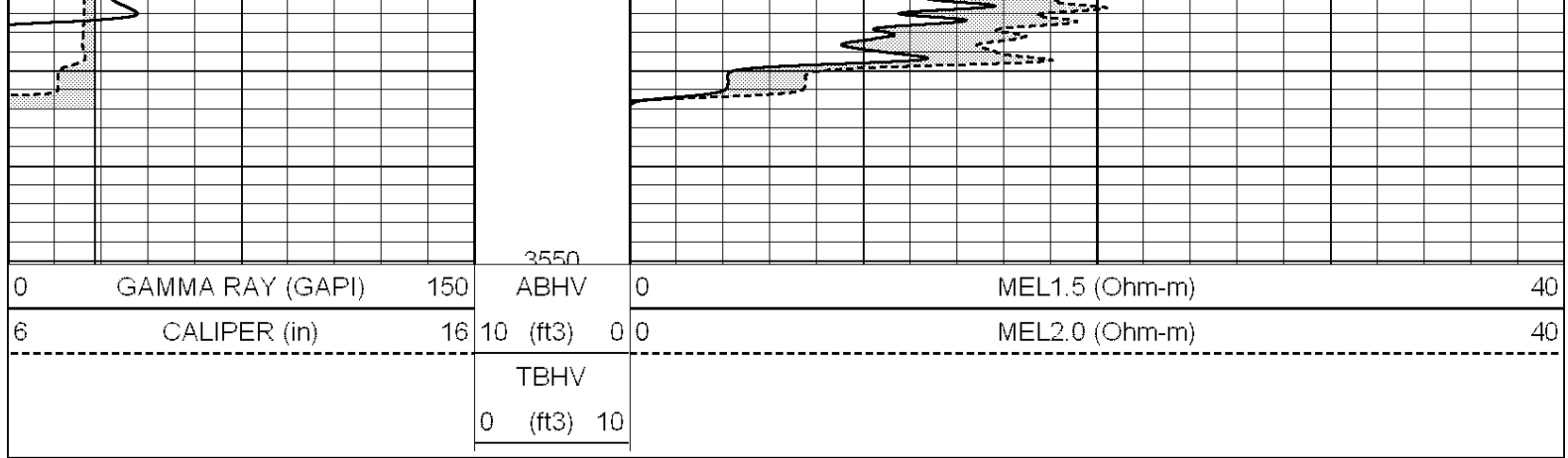
REPEAT SECTION

Database File: 010947ddn.db
Dataset Pathname: pass5.1
Presentation Format: _micro
Dataset Creation: Mon Oct 21 15:02:19 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

TBHV
0 (ft3) 10





Calibration Report

Database File: 010947ddn.db
 Dataset Pathname: pass5.1
 Dataset Creation: Mon Oct 21 15:02:19 2013 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number:	MICRO6	
Tool Model:	PROBE	
Performed:	Sun Jun 16 11:26:16 2013	
Caliper Calibration:	Gain=5.542	Offset=-1.470
	Low Cal	High Cal
References	8.000	14.000
Readings	1.431	2.513
1.5" Calibration:	Gain=35.075	Offset=-0.200
	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	1.196
2" Calibration:	Gain=100.042	Offset=-2.500
	Low Cal	High Cal
References	0.000	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