



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company		SHELBY RESOURCES, LLC	
Well		HICKEY #1-2	
Field		BOYD	
County		BARTON	
State		KANSAS	
Location:		API # : 15-009-25995-00-00 436' FSL & 1765' FEL NW - SE - SW - SE SEC 2 TWP 18S RGE 14W	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 9' A.G.L.	
Drilling Measured From		KELLY BUSHING	
Elevation		1877	
Other Services		CNL/CDL DIL/SON	
Date	7/4/14		
Run Number	TWO		
Depth Driller	3450		
Depth Logger	3453		
Bottom Logged Interval	3436		
Top Log Interval	2700		
Casing Driller	8 5/8" @ 838		
Casing Logger	836		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4,800 PPM	
Density / Viscosity	9.1/44		
pH / Fluid Loss	10.0/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.40 @ 83F		
Rmt @ Meas. Temp	0.30 @ 83F		
Rmc @ Meas. Temp	0.48 @ 83F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	0.30 @ 111F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	111F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	IAN MABB		
Witnessed By	JEREMY SCHWARTZ		

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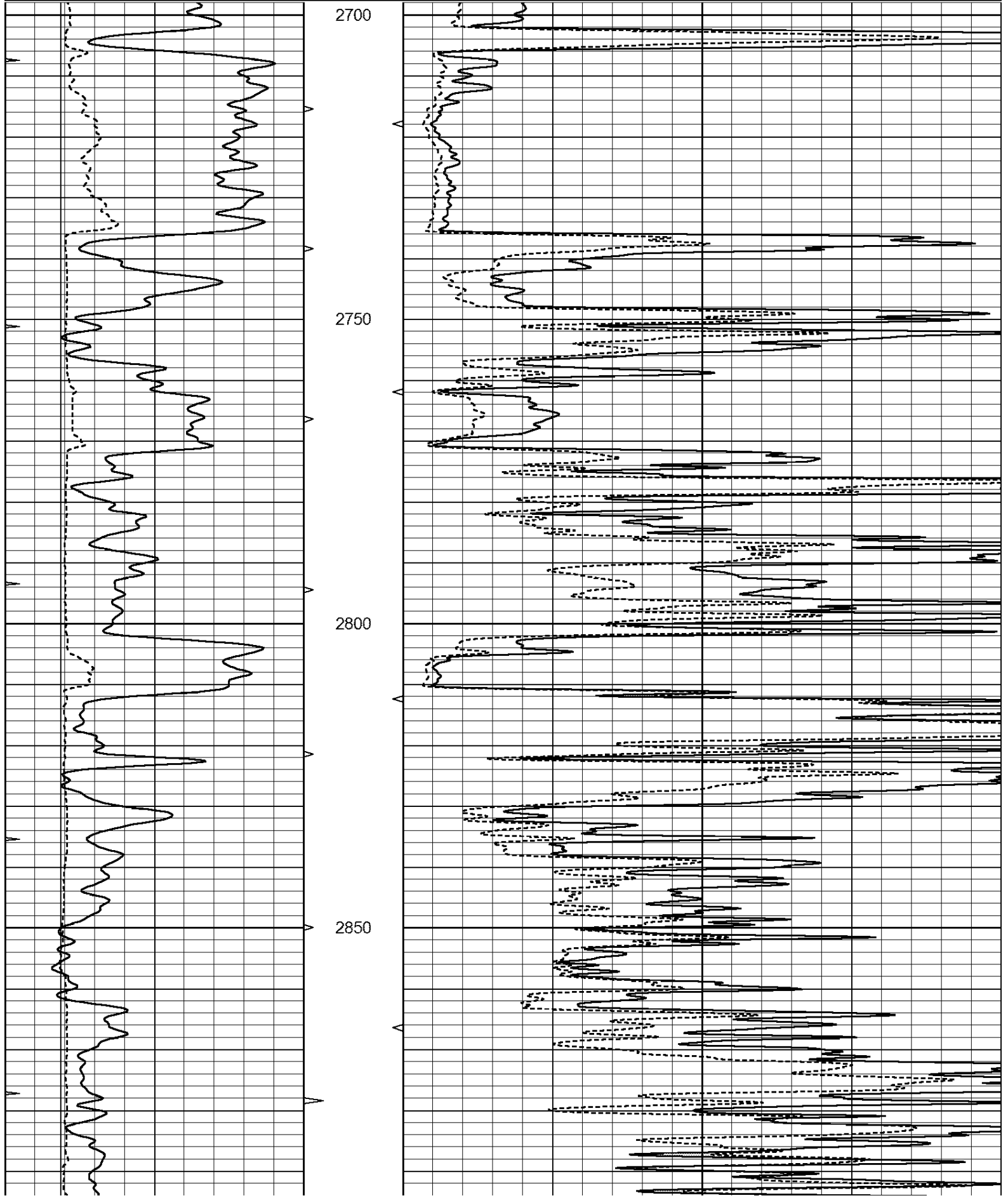
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

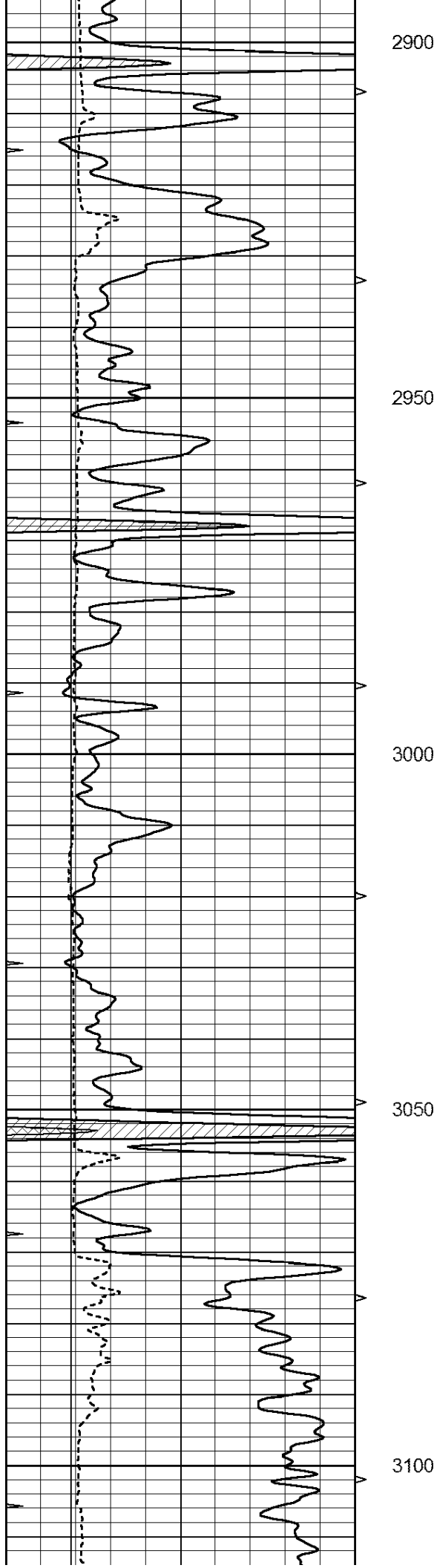
Comments

THANK YOU FOR USING NABORS, HAYS, KS. (785) 628-6395
 DIRECTIONS:
 HWY 4 & 281 - SOUTH 2 MILES - EAST 1/2 MILE - NORTH INTO

Database File: 24645ddn.db
 Dataset Pathname: pass6.1
 Presentation Format: _micro
 Dataset Creation: Fri Jul 04 08:43:59 2014 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

Charted by:		Depth in Feet scaled 1:2.10				
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		





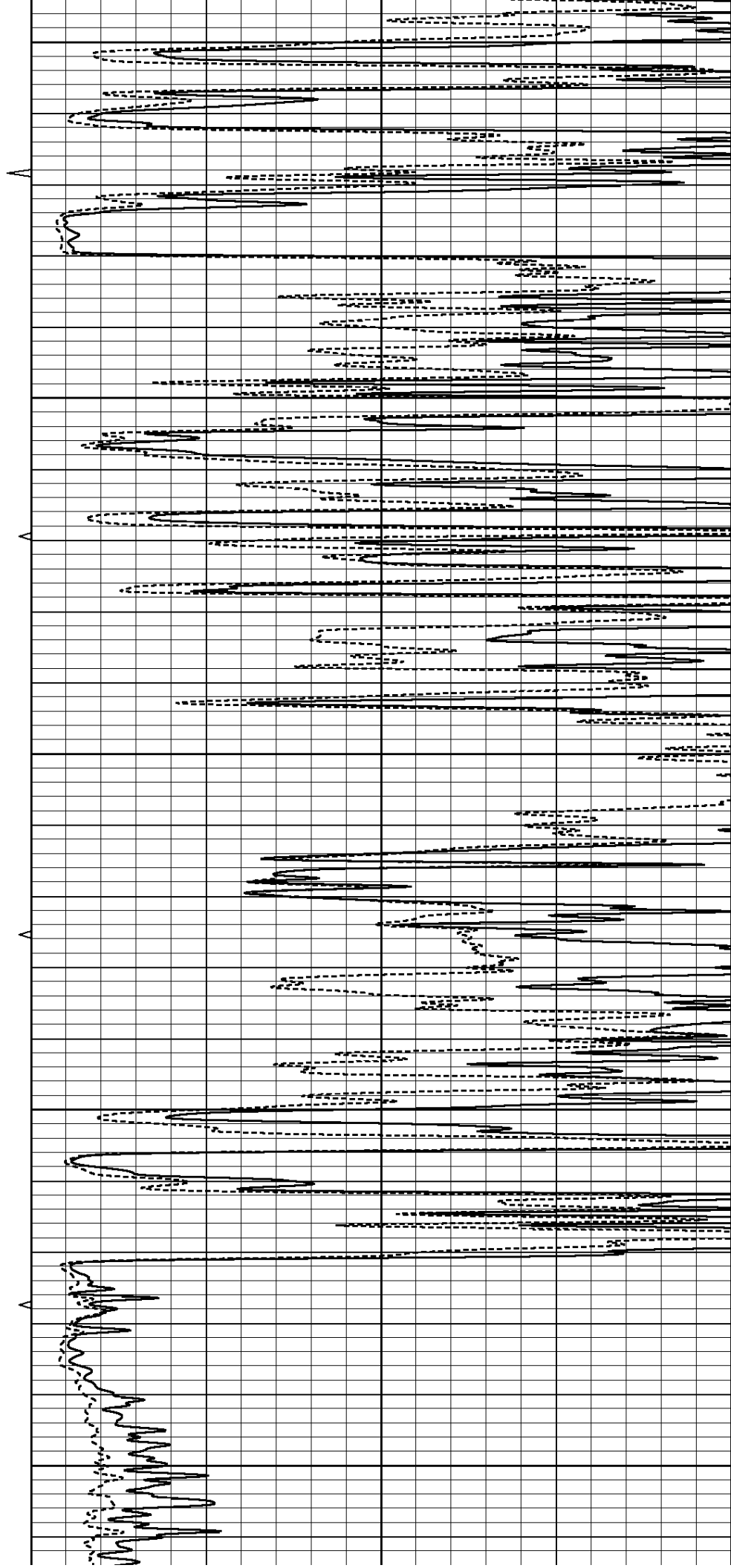
2900

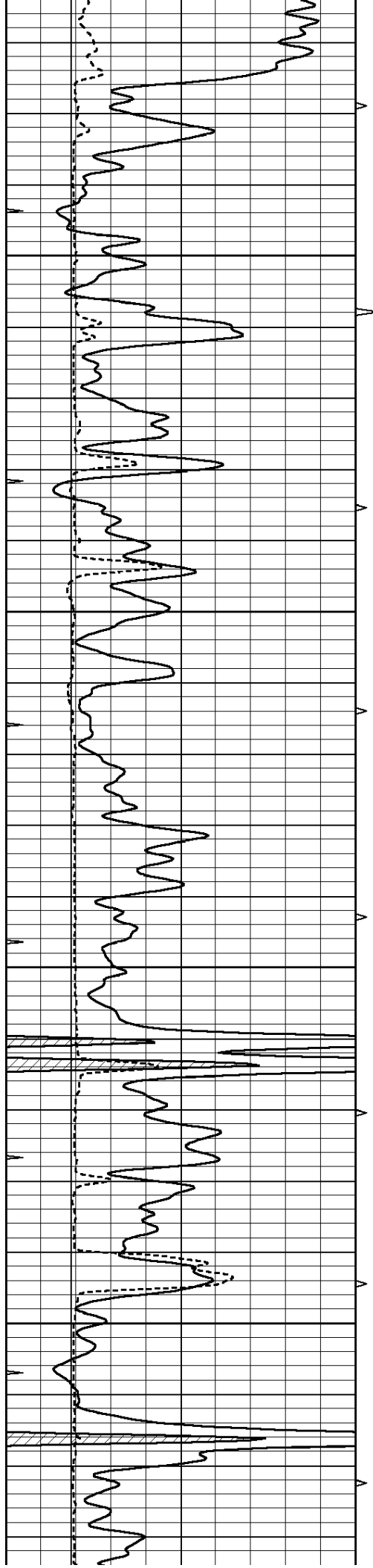
2950

3000

3050

3100



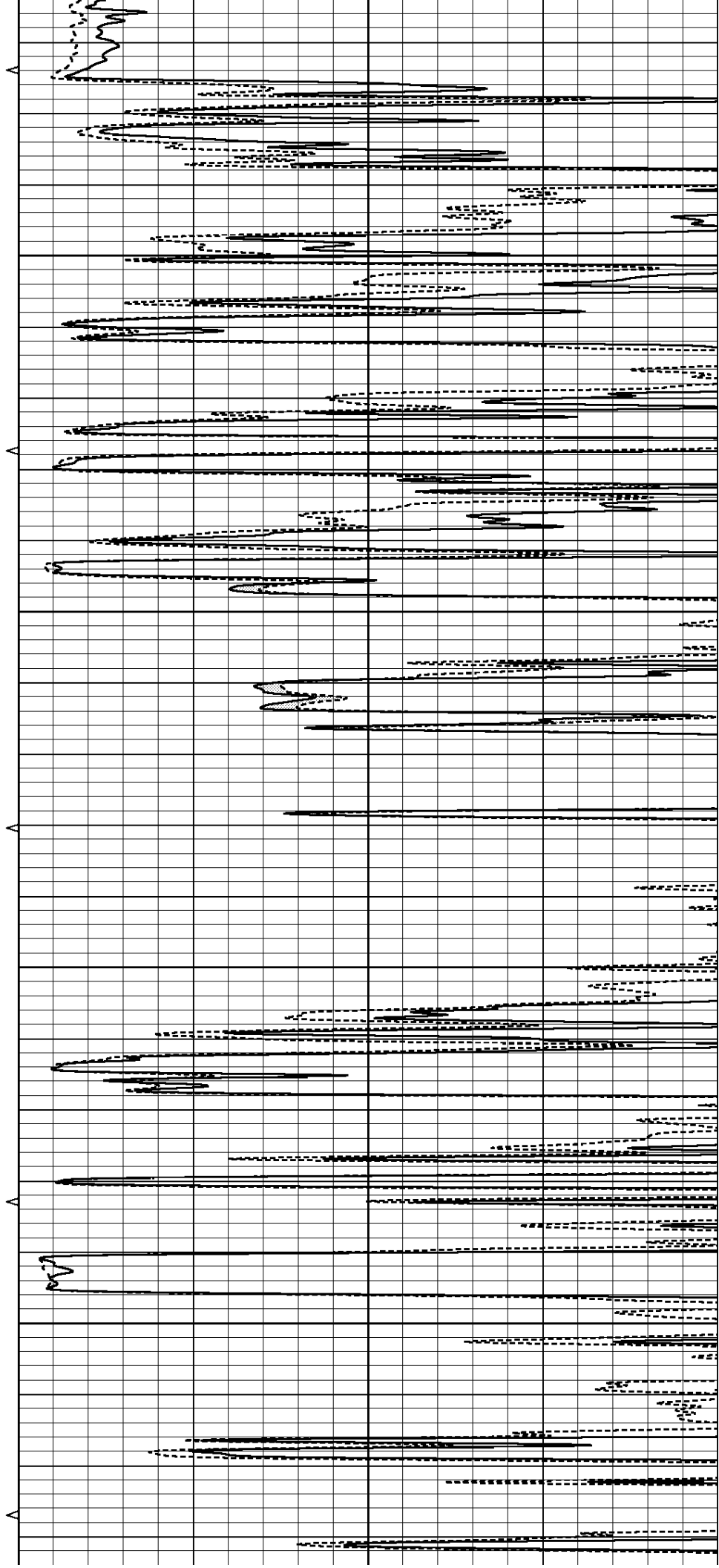


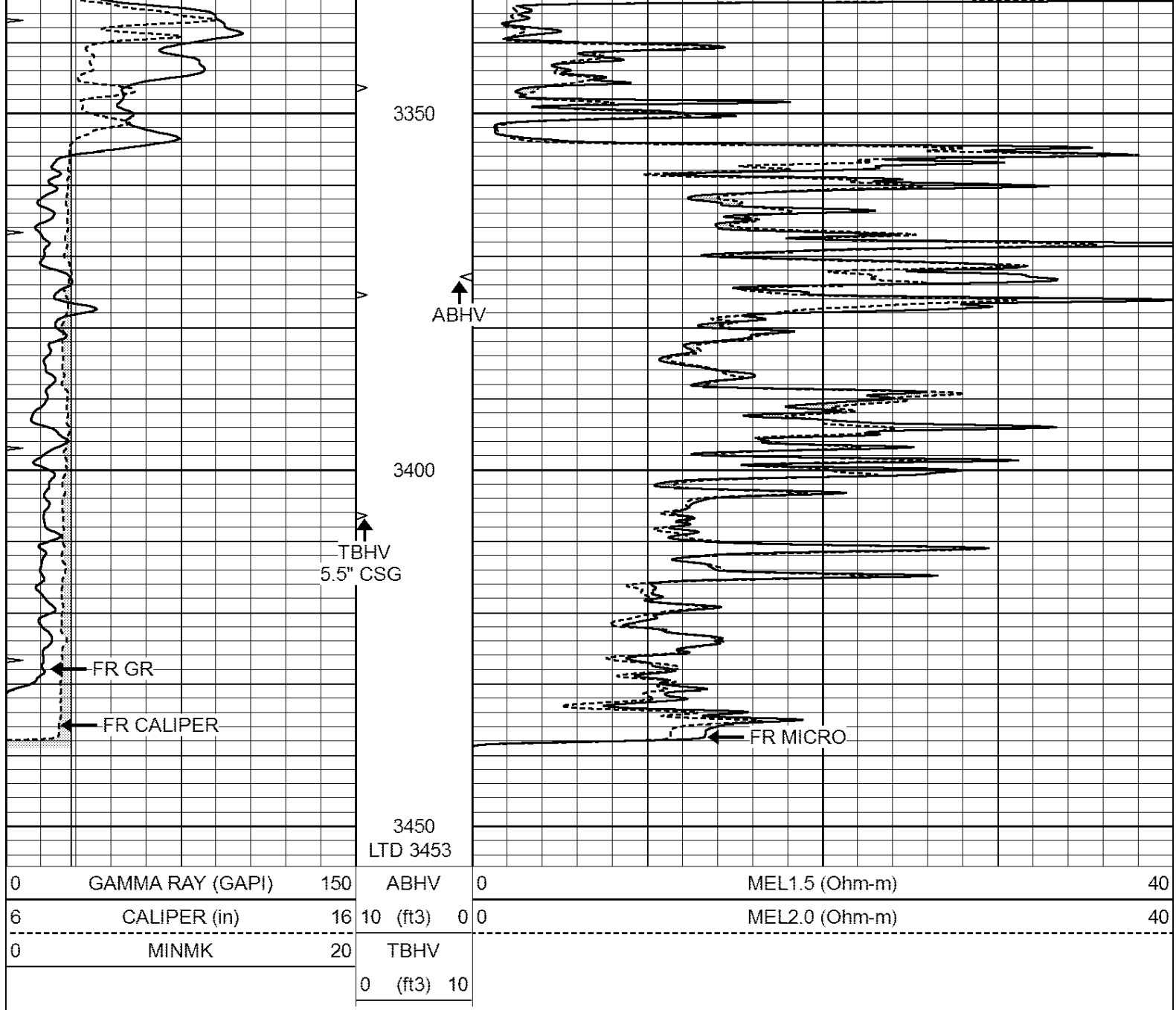
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3200

3250

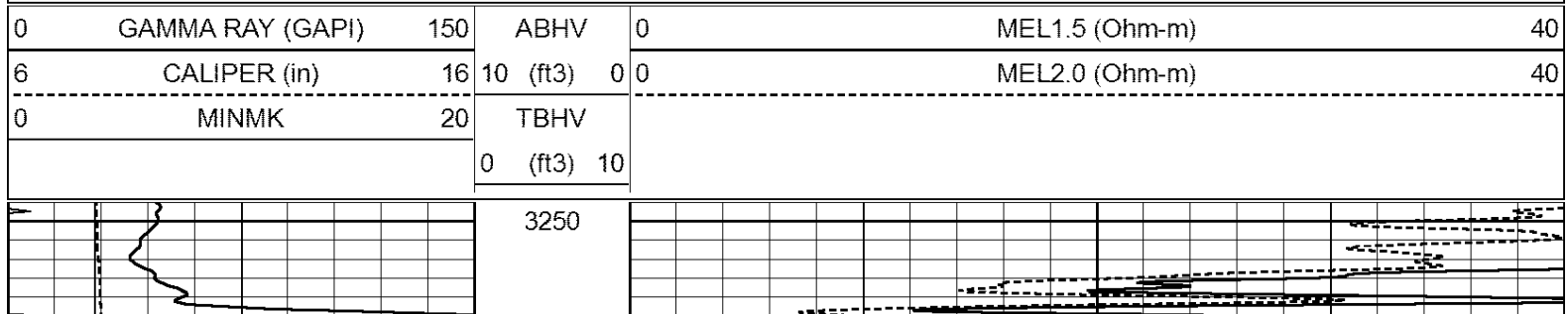
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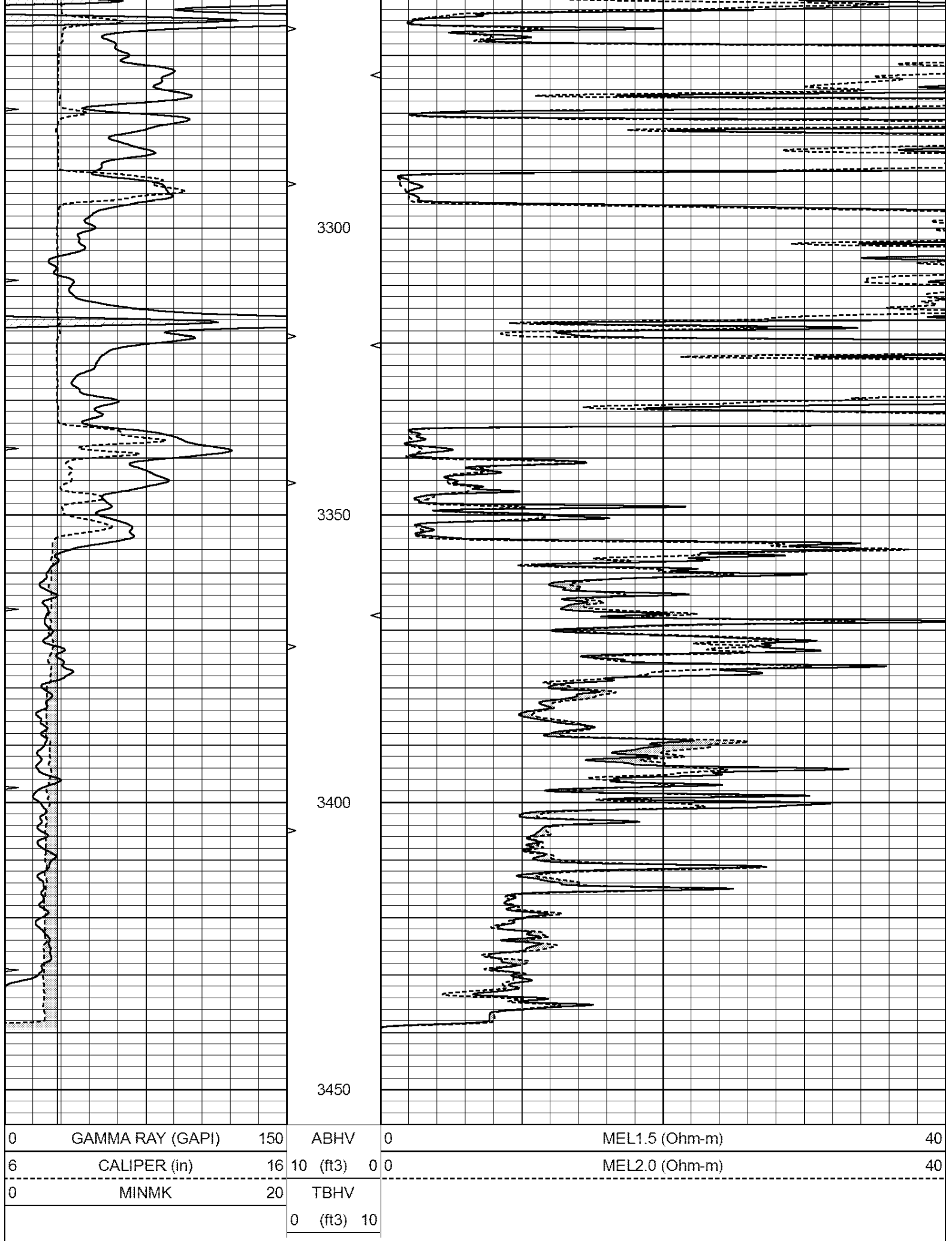




REPEAT SECTION

Database File: 24645ddn.db
 Dataset Pathname: pass5.1
 Presentation Format: _micro
 Dataset Creation: Fri Jul 04 08:16:38 2014 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: 24645ddn.db
 Dataset Pathname: pass6.1
 Dataset Creation: Fri Jul 04 08:43:59 2014 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO6
 Tool Model: PROBE
 Performed: Tue Jun 24 17:04:04 2014

Caliper Calibration: Gain=5.542 Offset=-0.020

	Low Cal	High Cal
References	8.000	14.000
Readings	1.431	2.513

1.5" Calibration: Gain=38.075 Offset=0.000

	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	1.196

2" Calibration: Gain=44.000 Offset=-0.600

	Low Cal	High Cal
References	0.000	20.000
Readings	0.006	0.913

Gamma Ray Calibration Report

Serial Number: GR6
 Tool Model: OPEN
 Performed: Sat May 31 01:22:06 2014

Calibrator Value: 150.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 276.0 cps

Sensitivity: 0.7535 GAPI/cps