



SUPERIOR
Hays,
Kansas

MICRO
LOG

Company		PHILLIPS EXPLORATION CO., LC	
Well		MINER #2-7	
Field		WILDCAT	
County		NESS	
State		KANSAS	
Company		PHILLIPS EXPLORATION COMPANY, LC	
Well		MINER #2-7	
Field		WILDCAT	
County		NESS	
State		KANSAS	
Location:		API # : 15-135-25110-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		330' FNL & 330' FEL	
Drilling Measured From		NE - NE - NE	
SEC 7		TWP 18S	
RGE		24W	
Elevation		2333	
CDL/CNL		DIL	
Other Services			
K.B. 2338			
D.F. 2336			
G.L. 2333			
Date	7-26-10		
Run Number	TWO		
Depth Driller	4480		
Depth Logger	4480		
Bottom Logged Interval	4478		
Top Log Interval	3800		
Casing Driller	8 5/8" @ 218'		
Casing Logger	218'		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.5/60		
pH / Fluid Loss	9.5/9.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.10 @ 92F		
Rmf @ Meas. Temp	0.83 @ 92F		
Rmc @ Meas. Temp	1.32 @ 92F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	0.84 @ 120F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	120F		
Equipment Number	680		
Location	HAYS, KANSAS		
Recorded By	JEFF GRONEMEG		
Witnessed By	JAMES PHILLIPS		

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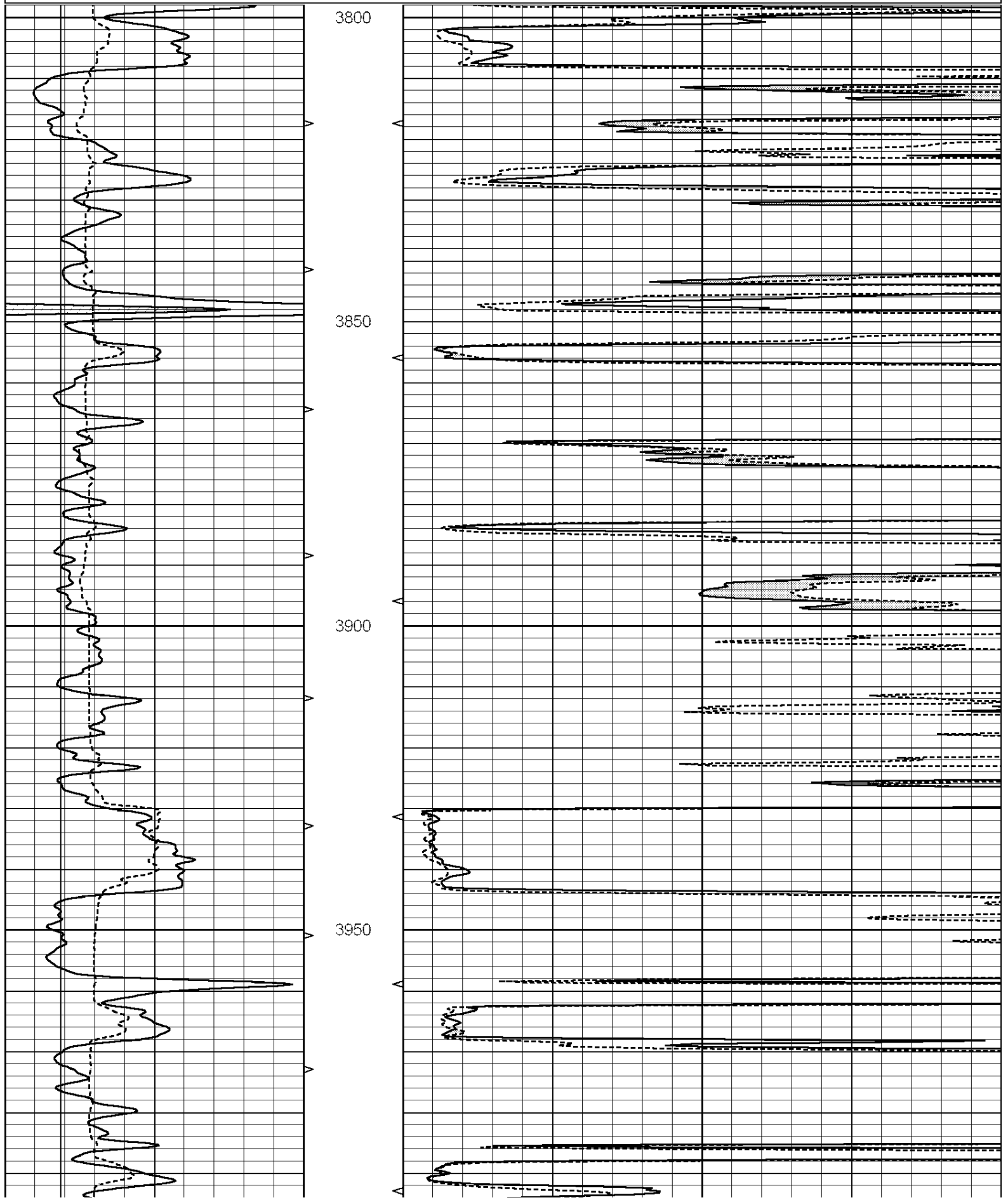
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

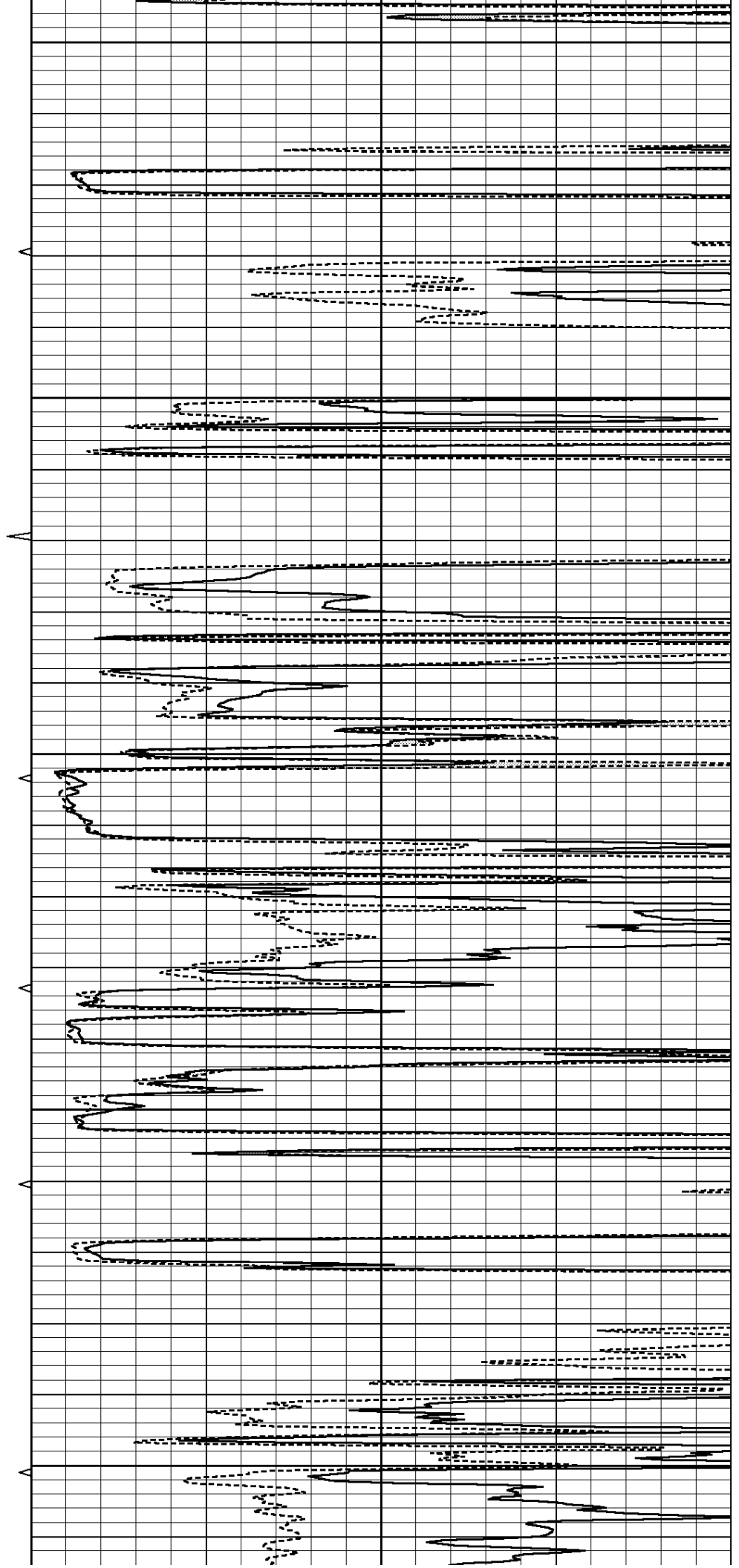
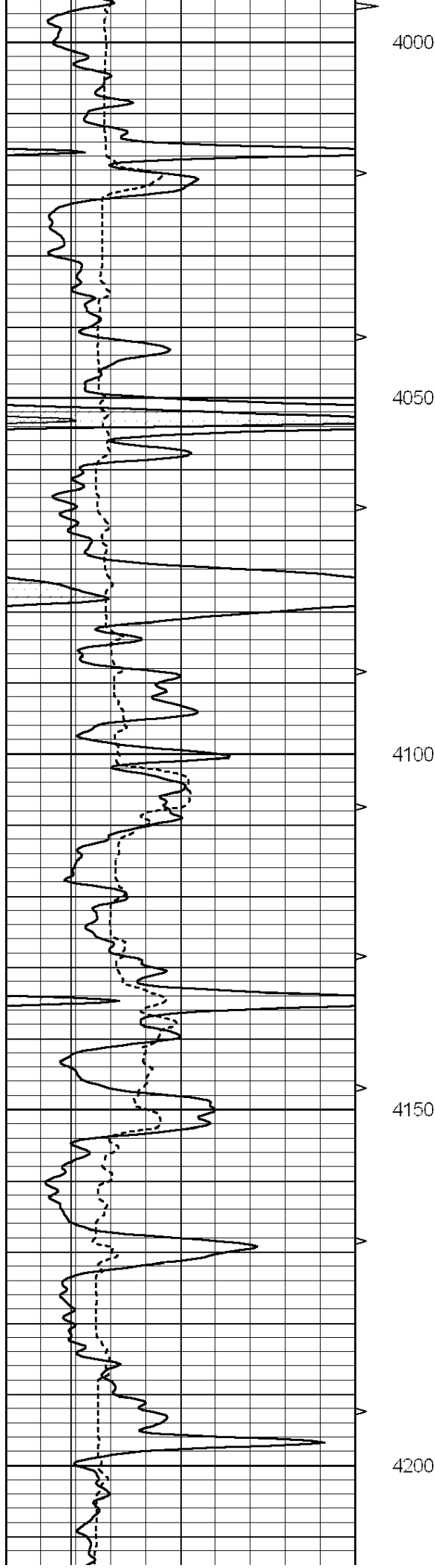
Comments

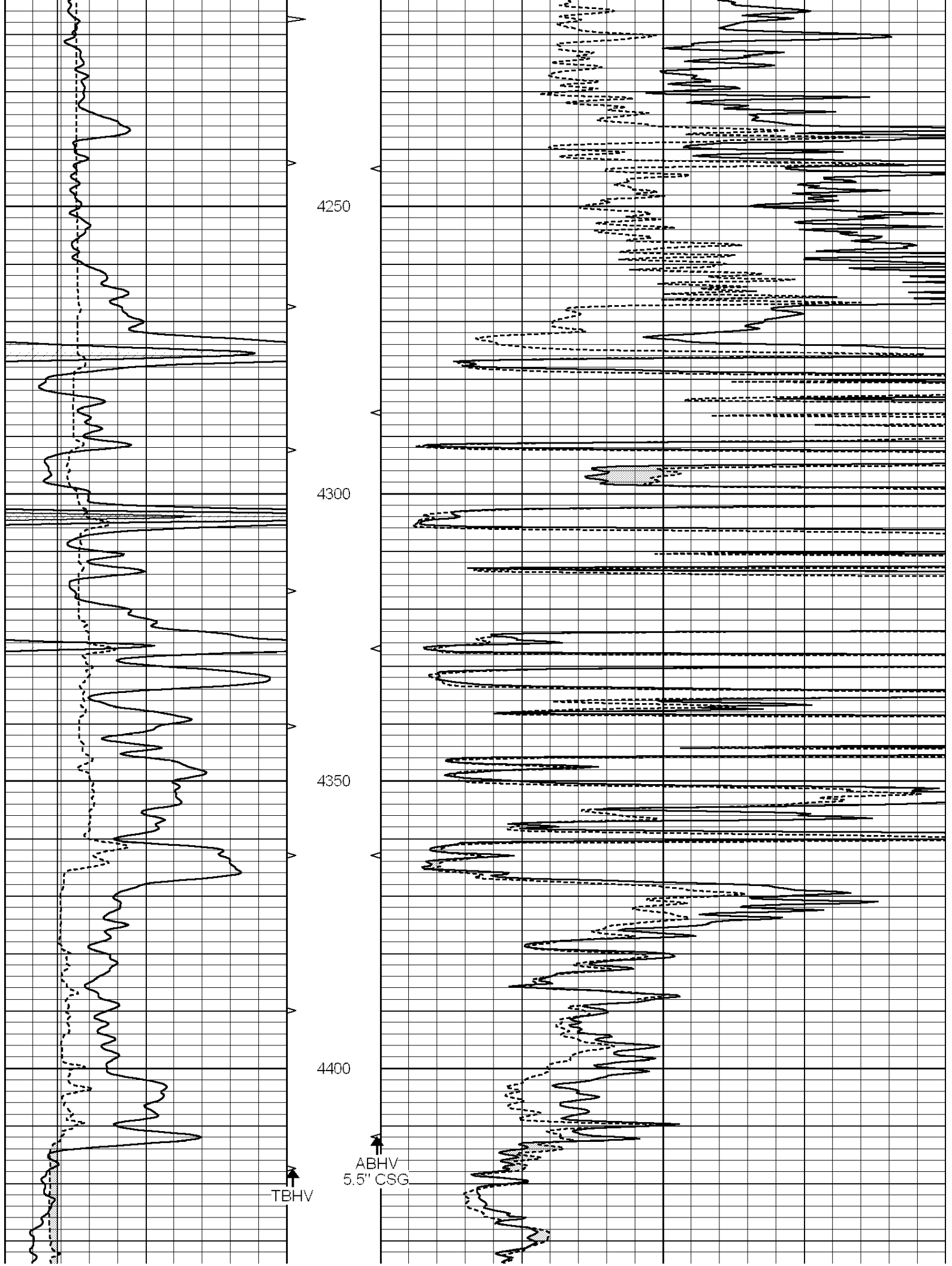
THANK YOU FOR USING SUPERIOR WELL SERVICES HAYS, KANSAS (785)628-6395
DIRECTIONS
INTERSECTION OF HWYS 283 & 4 - 9 MILES SOUTH TO RD 170
5 1/2 MILES WEST - SOUTH INTO

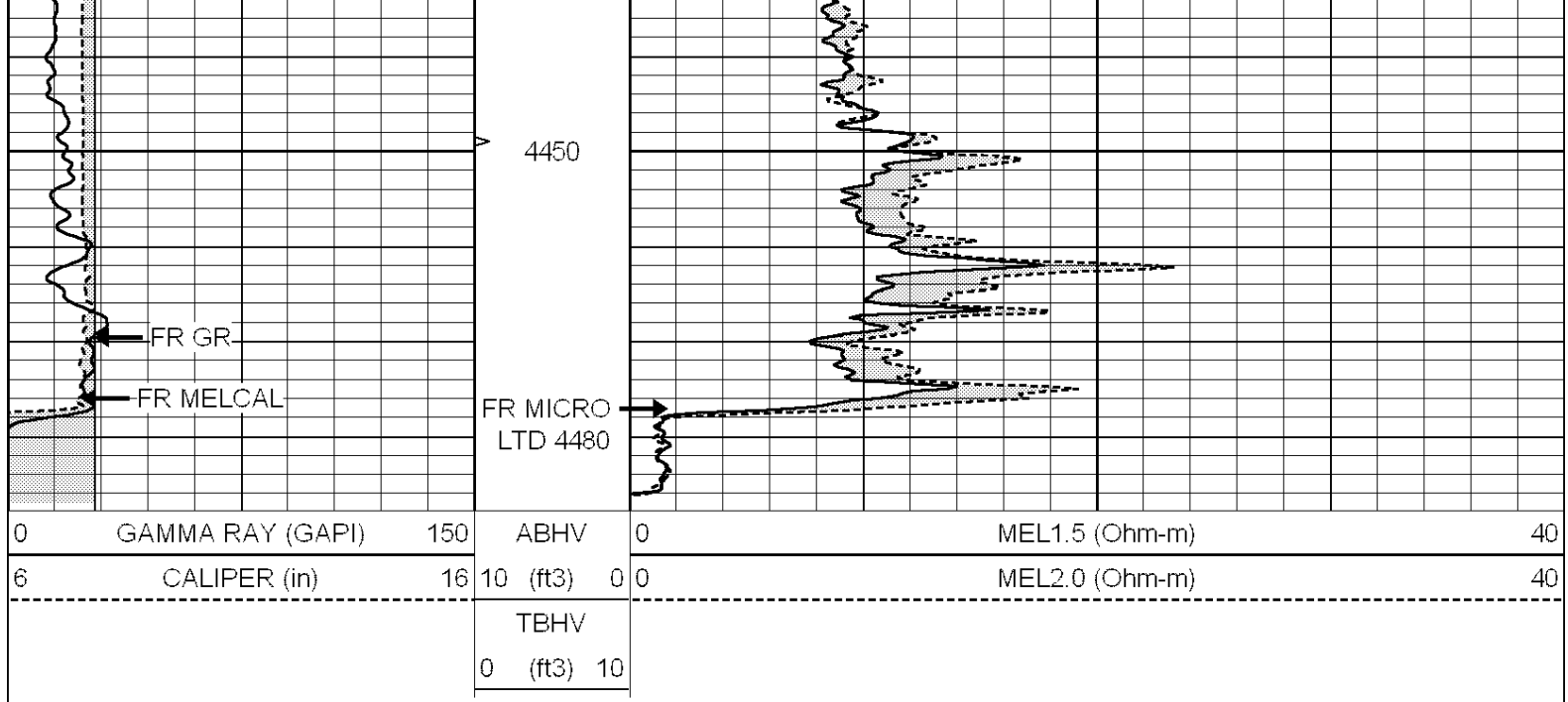
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Dataset Pathname: pass5.1
Presentation Format: _micro
Dataset Creation: Mon Jul 26 11:55:57 2010 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

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 0	MEL2.0 (Ohm-m)	40
		TBHV				
		0 (ft3)				
		10				





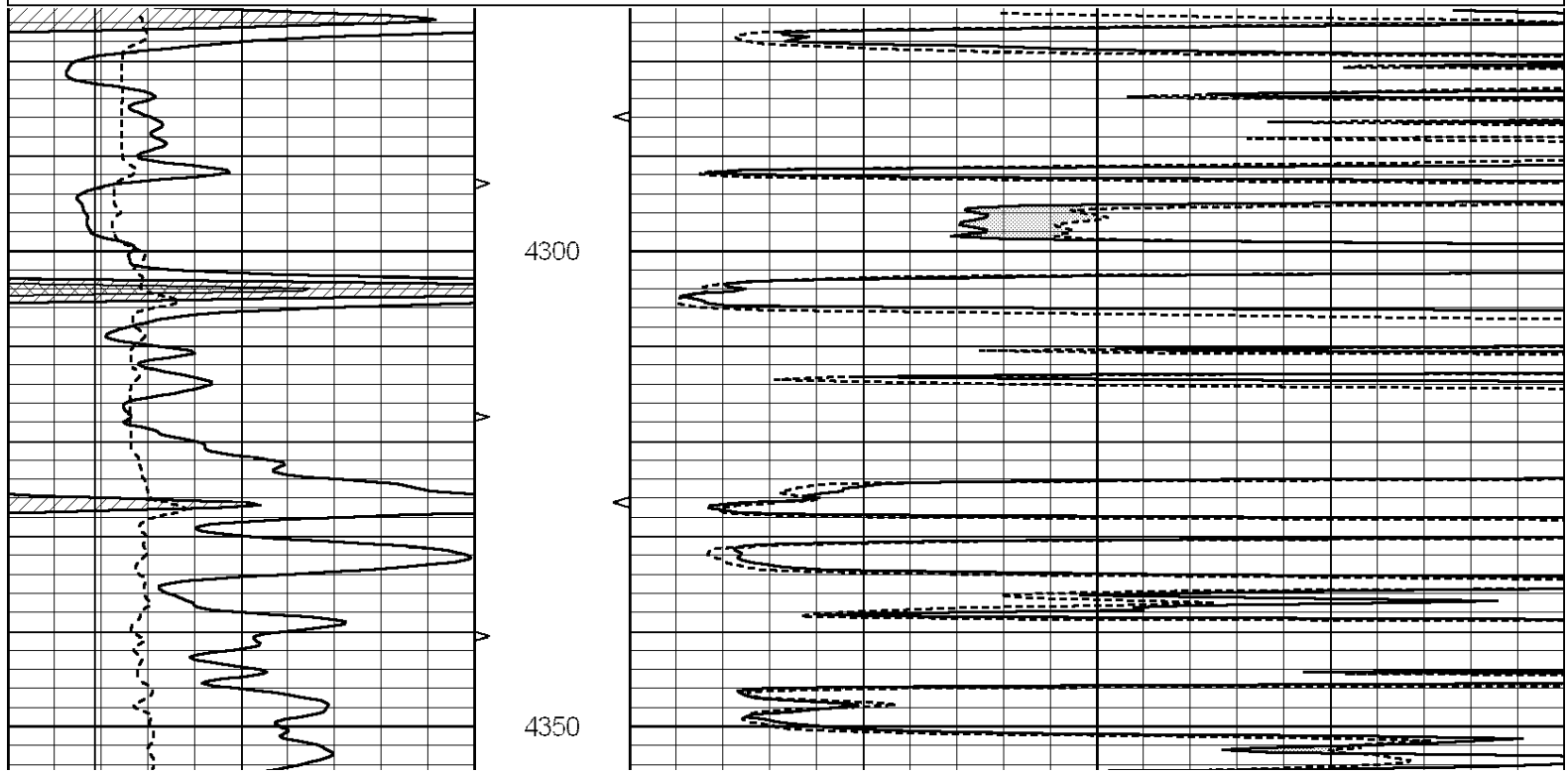
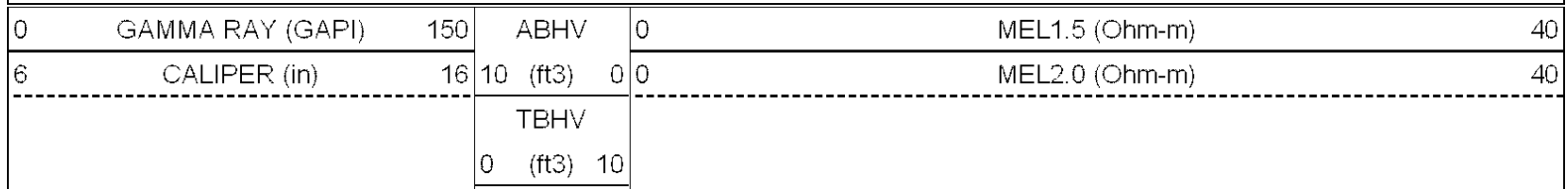


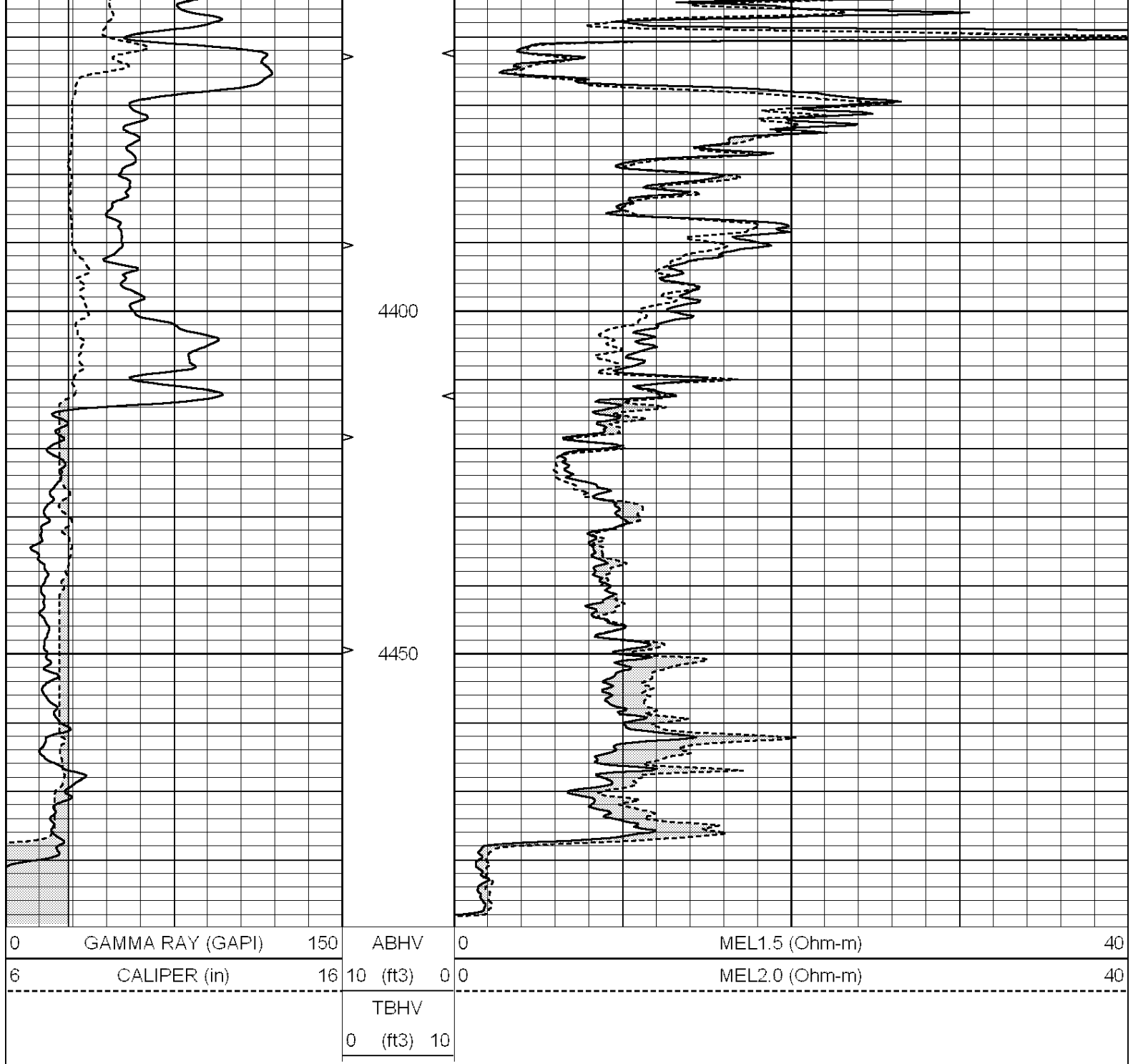


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REPEAT SECTION

Database File: 005416ddn.db
 Dataset Pathname: pass4.5
 Presentation Format: _micro
 Dataset Creation: Mon Jul 26 11:38:59 2010 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: 005416ddn.db
 Dataset Pathname: pass5.1
 Dataset Creation: Mon Jul 26 11:55:57 2010 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO3
 Tool Model: PROBE
 Performed: Wed Jul 14 14:33:38 2010

Caliper Calibration: Gain=3.055 Offset=-3.839
 References Low Cal High Cal
 Readings 8.000 14.000
 4.005 5.562

1.5" Calibration: Gain=291.940 Offset=-2.025

References	Low Cal	High Cal
Readings	0.000	20.000
	0.006	0.223
2" Calibration:	Gain=290.050	Offset=-3.299
References	Low Cal	High Cal
Readings	0.000	20.000
	0.009	0.177
Gamma Ray Calibration Report		
Serial Number:	GR6	
Tool Model:	OPEN	
Performed:	Wed Jul 14 14:14:30 2010	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	276.0	cps
Sensitivity:	0.5335	GAPI/cps