SUPERIOR WELL SERVICES

SUPERIOR
Hays,
Kansas

MICRO LOG

Company	DOWNING-NELSON OIL CO., INC.
Well	PLAFF-TOEDMAN #1-24
Field	WILDCAT
County	NESS
State	KANSAS

Company DOWNING-NELSON OIL COMPANY, INC.

Well PLAFF-TOEDMAN #1-24

Field WILDCAT

County NESS State KANSAS

Location: API # : 15-135-25217-0000

490' FNL & 2610' FEL

SE - NE - NE - NW

SEC 24 TWP 16S RGE 23W

Other Services
CDL/CNL
DIL

Permanent Datum	GROUND LEVEL	Elevation 2439	Elevation
Log Measured From	KELLY BUSHING 8' A.G.L.		K.B. 2447
Drilling Measured From	KELLY BUSHING		D.F. 2445
			G.L. 2439

Date	2-24-11		
Run Number	TWO		
Depth Driller	4550		
Depth Logger	4552		
Bottom Logged Interval	4550		
Top Log Interval	3700		
Casing Driller	8 5/8" @ 223'		
Casing Logger	223'		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4000 PPM	
Density / Viscosity	9.5/57		
pH / Fluid Loss	8.0/10.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.00 @ 56F		
Rmf @ Meas. Temp	0.75 @ 56F		
Rmc @ Meas. Temp	1.20 @ 56F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	0.46 @ 121F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	121F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JEFF GRONEWEG		
Witnessed By	MARK DOWNING		

<<< Fold Here >>>

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 SERVICE (785) 628-6395

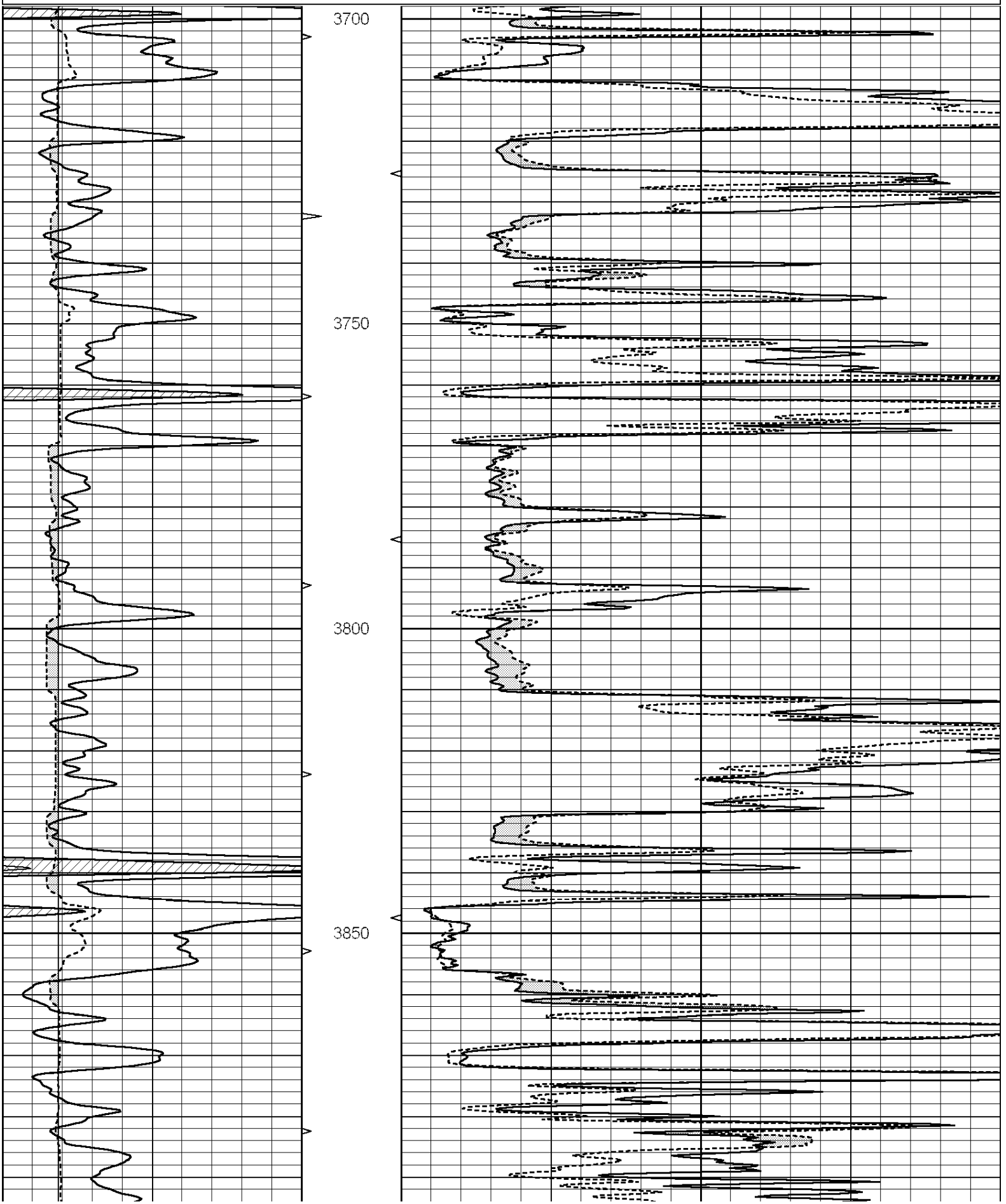
DIRECTIONS

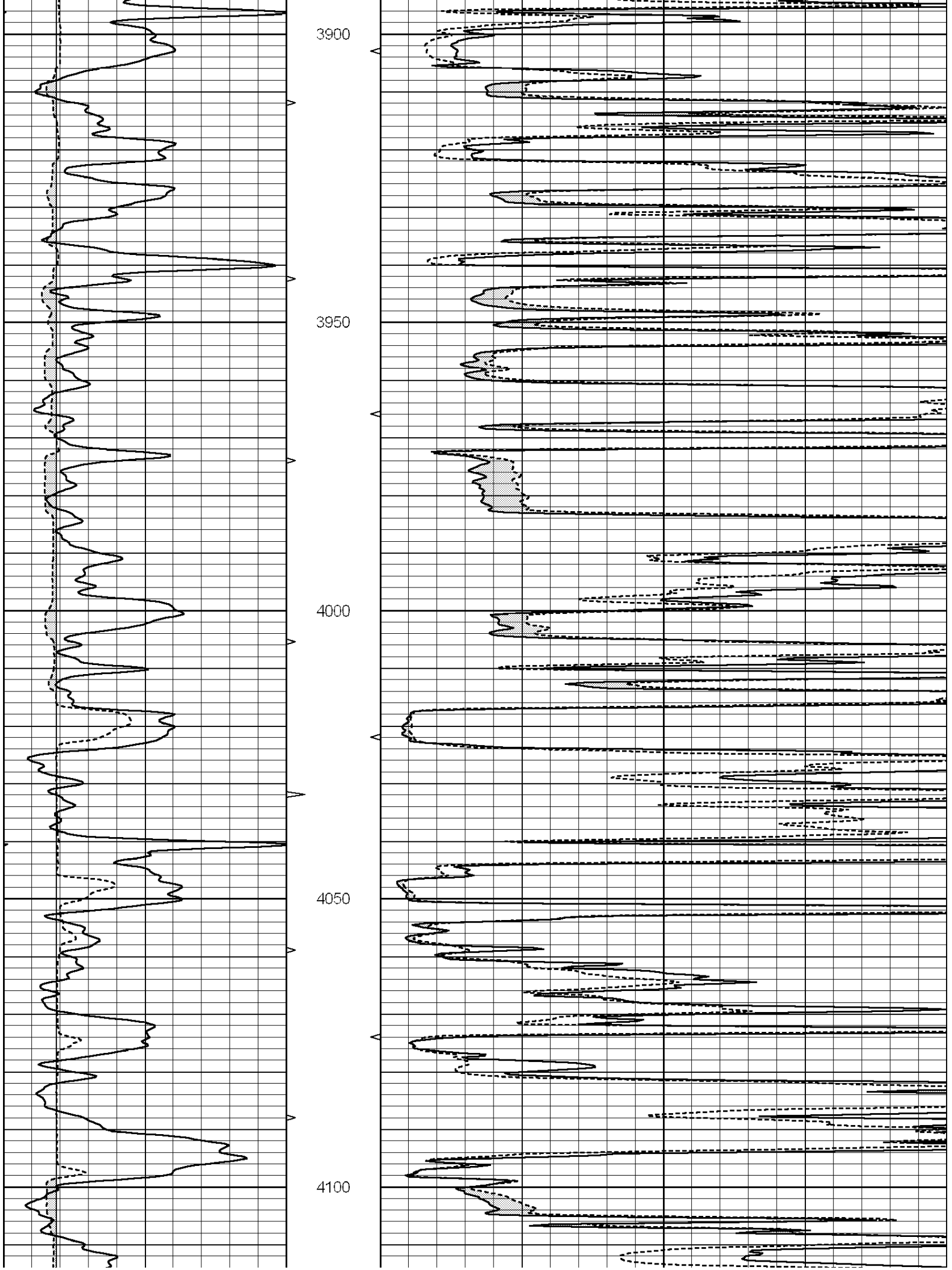
BROWNELL, KS - 3 MILES WEST TO X RD - 1 MILE NORTH - WEST INTO

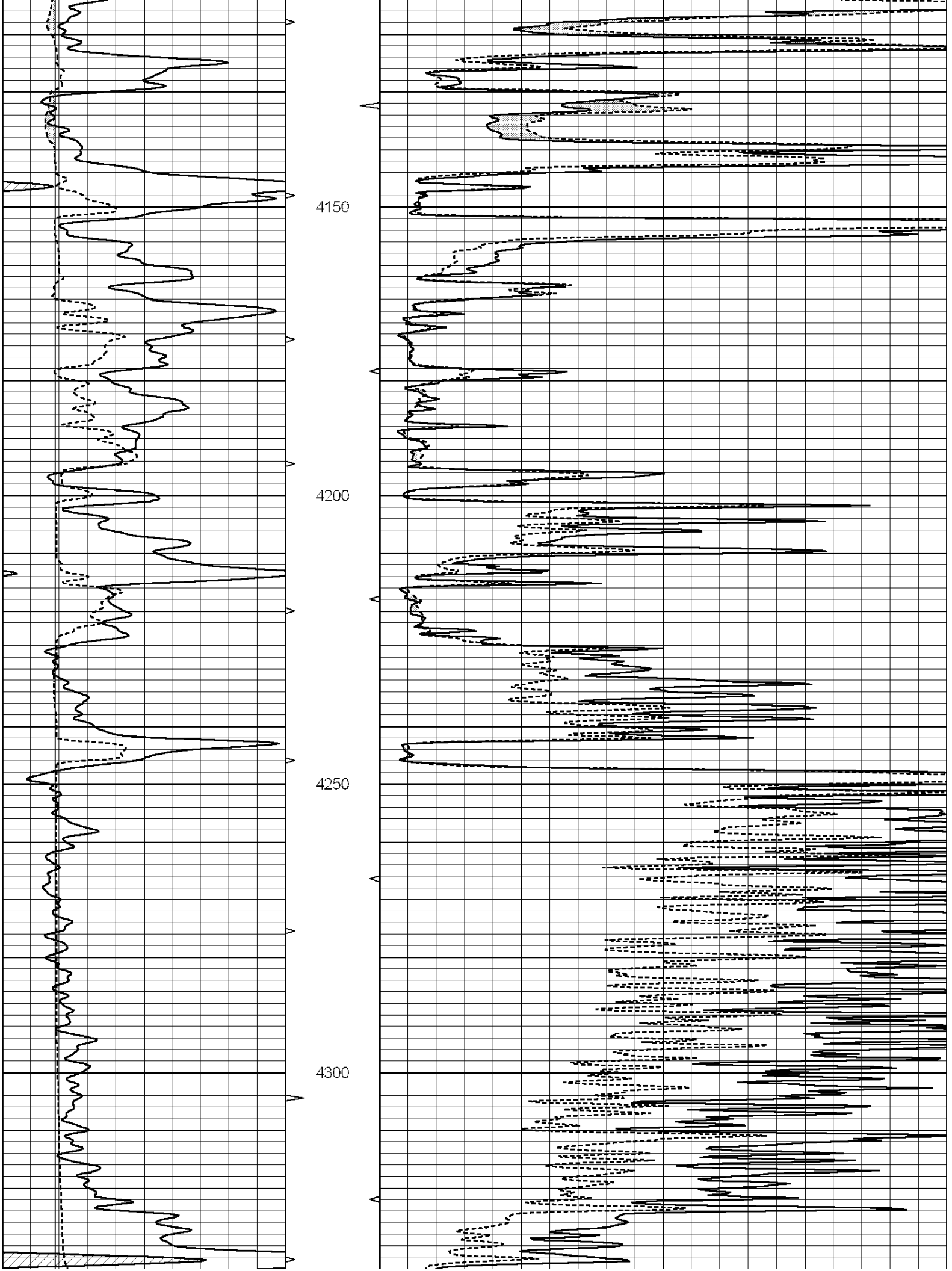
Database File:	006699ddn.db
Dataset Pathname:	pass6
Presentation Format:	_micro
Dataset Creation:	Thu Feb 24 00:27:15 2011 by Log Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240

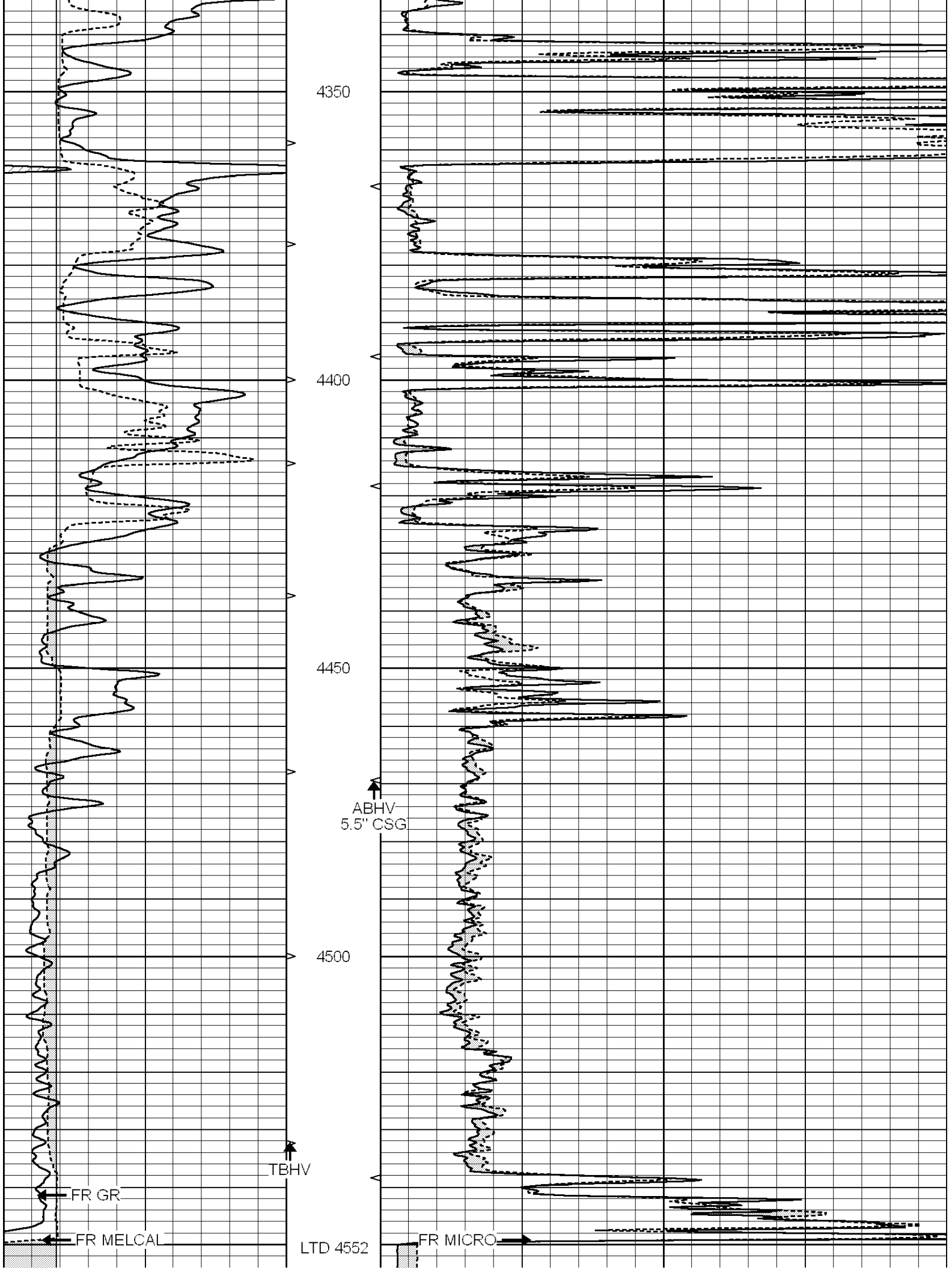
Charted by: Depth in Feet scaled 1:240

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
	TBHV	
	0 (ft3) 10	




3900
3950
4000
4050
4100


4150
4200
4250
4300


4350
4400
4450
4500
ABHV
5.5" CSG
TBHV
FR GR
FR MELCAL
LTD 4552
FR MICRO

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			

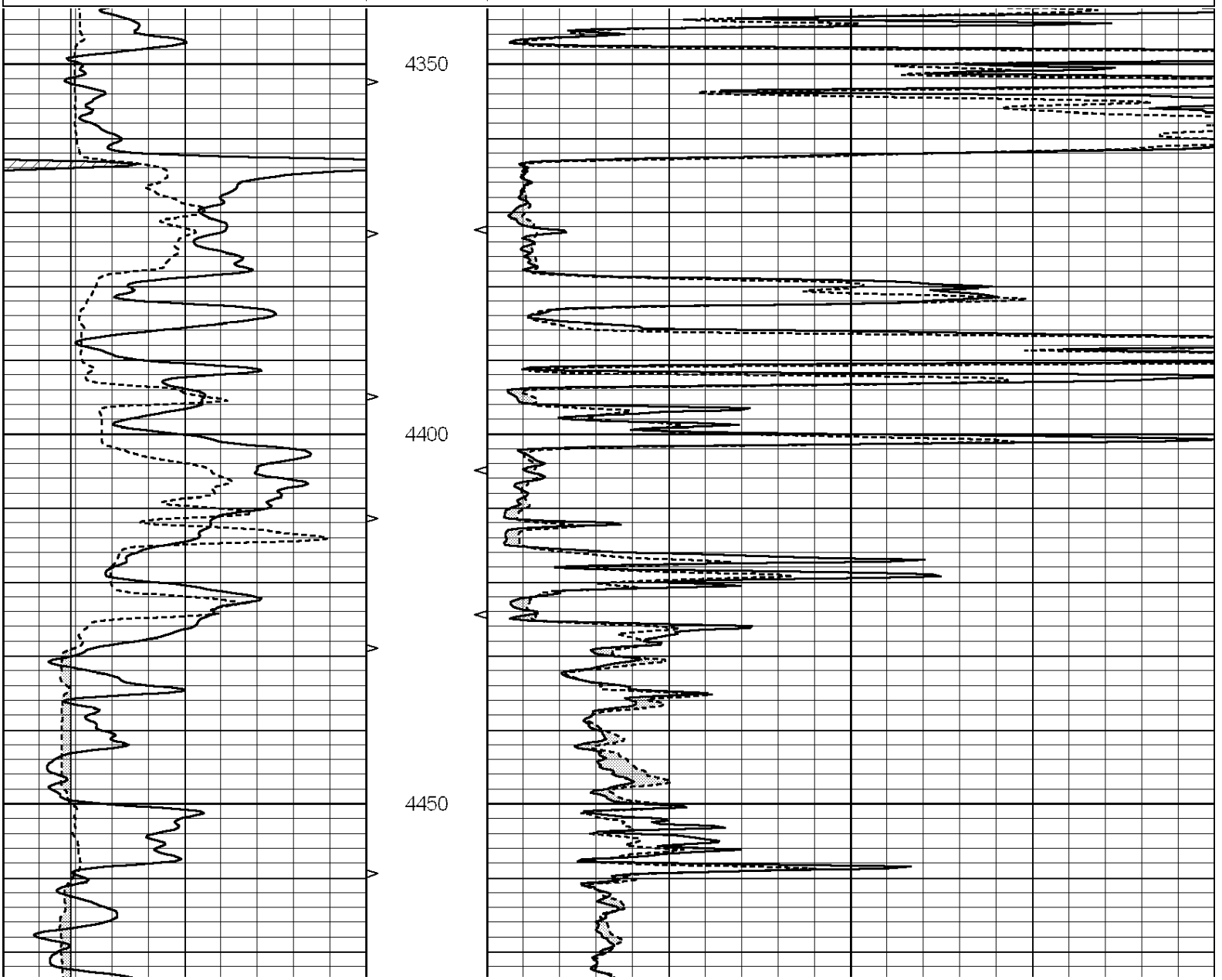
SUPERIOR WELL SERVICES

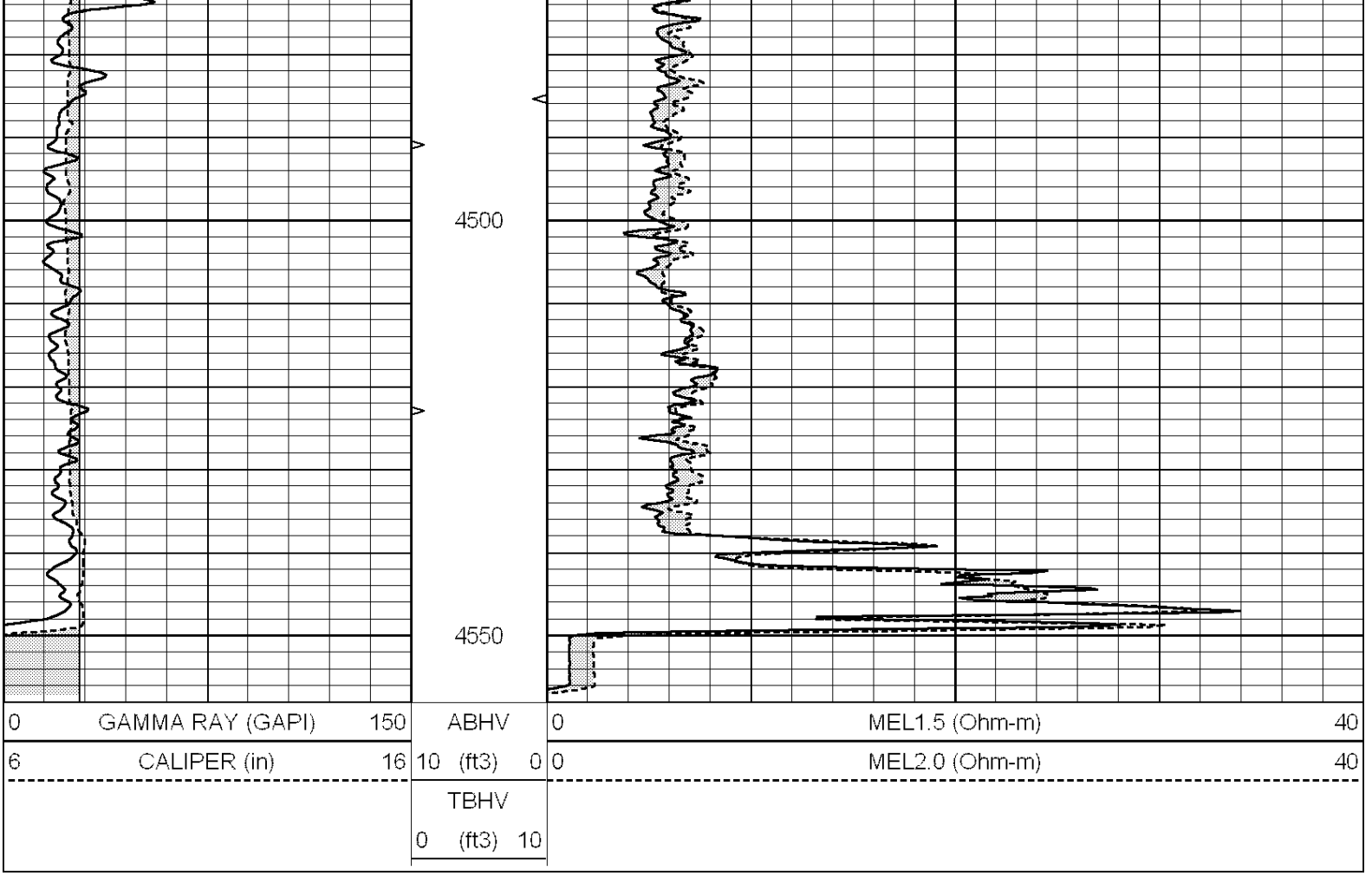
SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File:	006699ddn.db
Dataset Pathname:	pass5.1
Presentation Format:	_micro
Dataset Creation:	Thu Feb 24 00:24:31 2011 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			





Calibration Report

Database File: 006699ddn.db
Dataset Pathname: pass6
Dataset Creation: Thu Feb 24 00:27:15 2011 by Log Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO6
Tool Model: PROBE
Performed: Mon Feb 21 21:46:51 2011

Caliper Calibration: Gain=5.211 Offset=1.210

	Low Cal	High Cal
References	8.000	14.000
Readings	1.178	2.330

1.5" Calibration: Gain=35.000 Offset=-0.500

	Low Cal	High Cal
References	0.000	20.000
Readings	0.008	1.200

2" Calibration: Gain=32.000 Offset=0.000

	Low Cal	High Cal
References	0.000	20.000
Readings	0.008	0.888

Gamma Ray Calibration Report

Serial Number: #8
Tool Model: OPEN
Performed: Fri Feb 18 03:07:29 2011

Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	175.0	cps
Sensitivity:	0.8971	GAPI/cps