



**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company	O'BRIEN RESOURCES, LLC.	Company	O'BRIEN RESOURCES, LLC.
Well	STEFFENS 19 #1	Well	STEFFENS 19 #1
Field	JENNISON	Field	JENNISON
County	LANE	County	LANE
State	KANSAS	State	KANSAS
Location:	API # : 15-101-22376-0000	Other Services	CDL/CNL/PE DIL
Permanent Datum	GROUND LEVEL	Elevation	2779
Log Measured From	KELLY BUSHING 9' A.G.L.	K.B.	2788
Drilling Measured From	KELLY BUSHING	D.F.	2786
	SEC 19 TWP 16S RGE 29W	G.L.	2779

Date	12/3/12
Run Number	TWO
Depth Driller	4514
Depth Logger	4516
Bottom Logged Interval	4514
Top Log Interval	3700
Casing Driller	8 5/8"@263'
Casing Logger	263
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.5/50
pH / Fluid Loss	10.5/7.2
Source of Sample	FLOWLINE
Rim @ Meas. Temp	1.50@80F
Rmf @ Meas. Temp	1.13@80F
Rmc @ Meas. Temp	1.80@80F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	.992@121F
Time Circulation Stopped	4.5 HOURS
Time Logger on Bottom	8:15 P.M.
Maximum Recorded Temperature	121F
Equipment Number	4854
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	KURT TALBOTT

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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

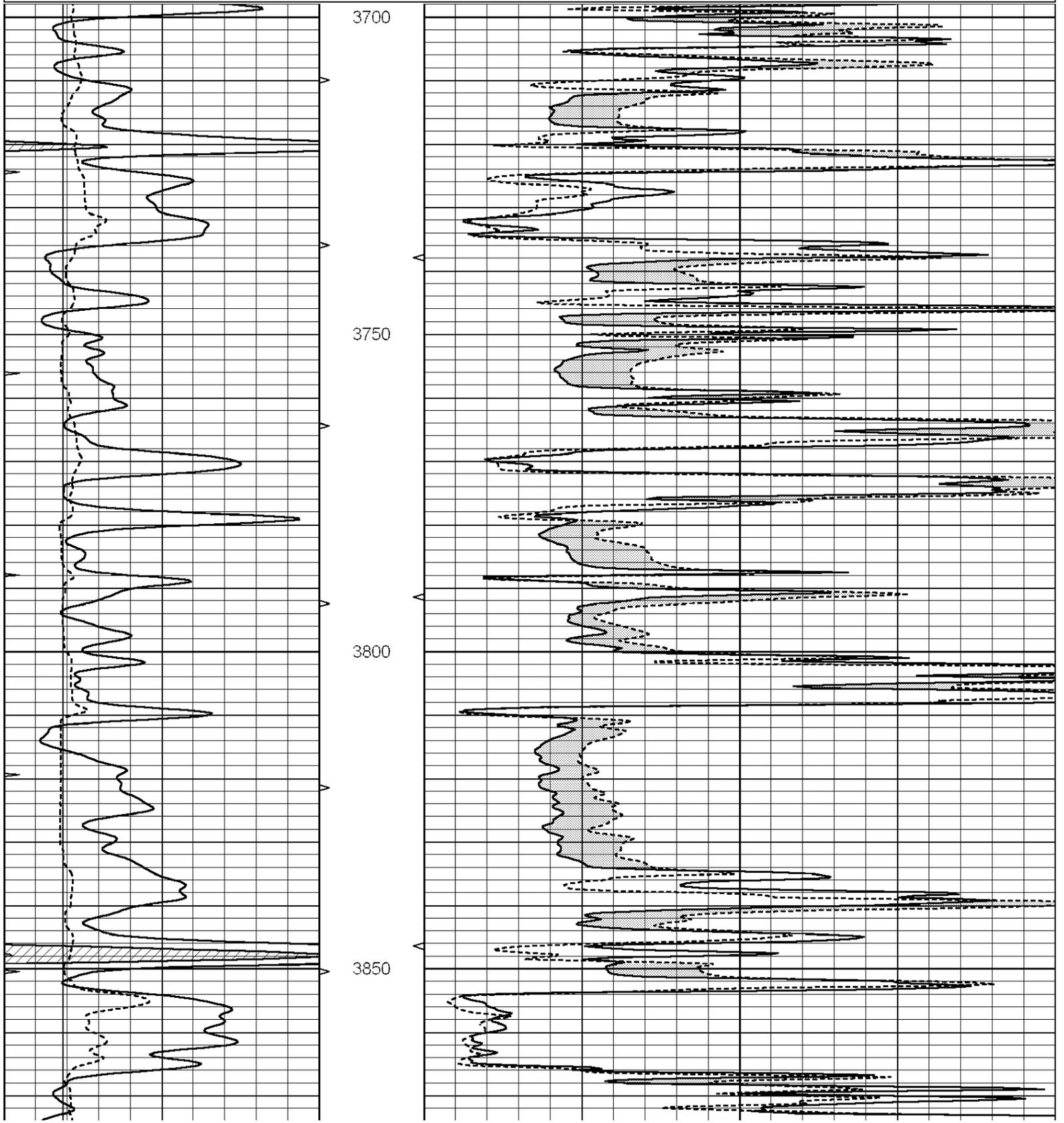
THANK YOU FOR USING "NABORS" HAYS, KANSAS (785) 628-6395
DIRECTIONS
HEALY, KS. 1E. ON HWY 4 TO "EAGLE RD.", 3N. TO "RD. 260", 2 1/2E., N. INTO

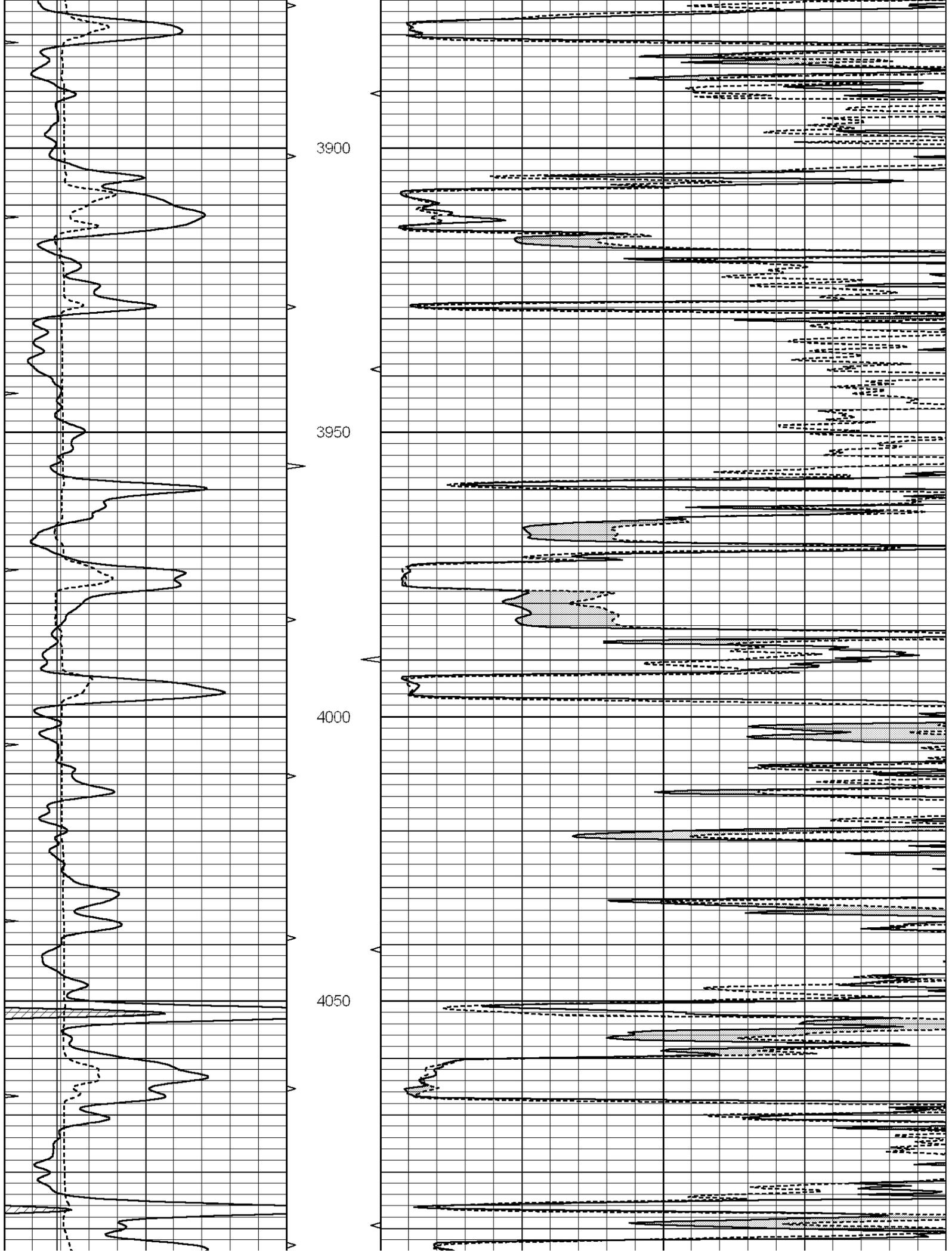


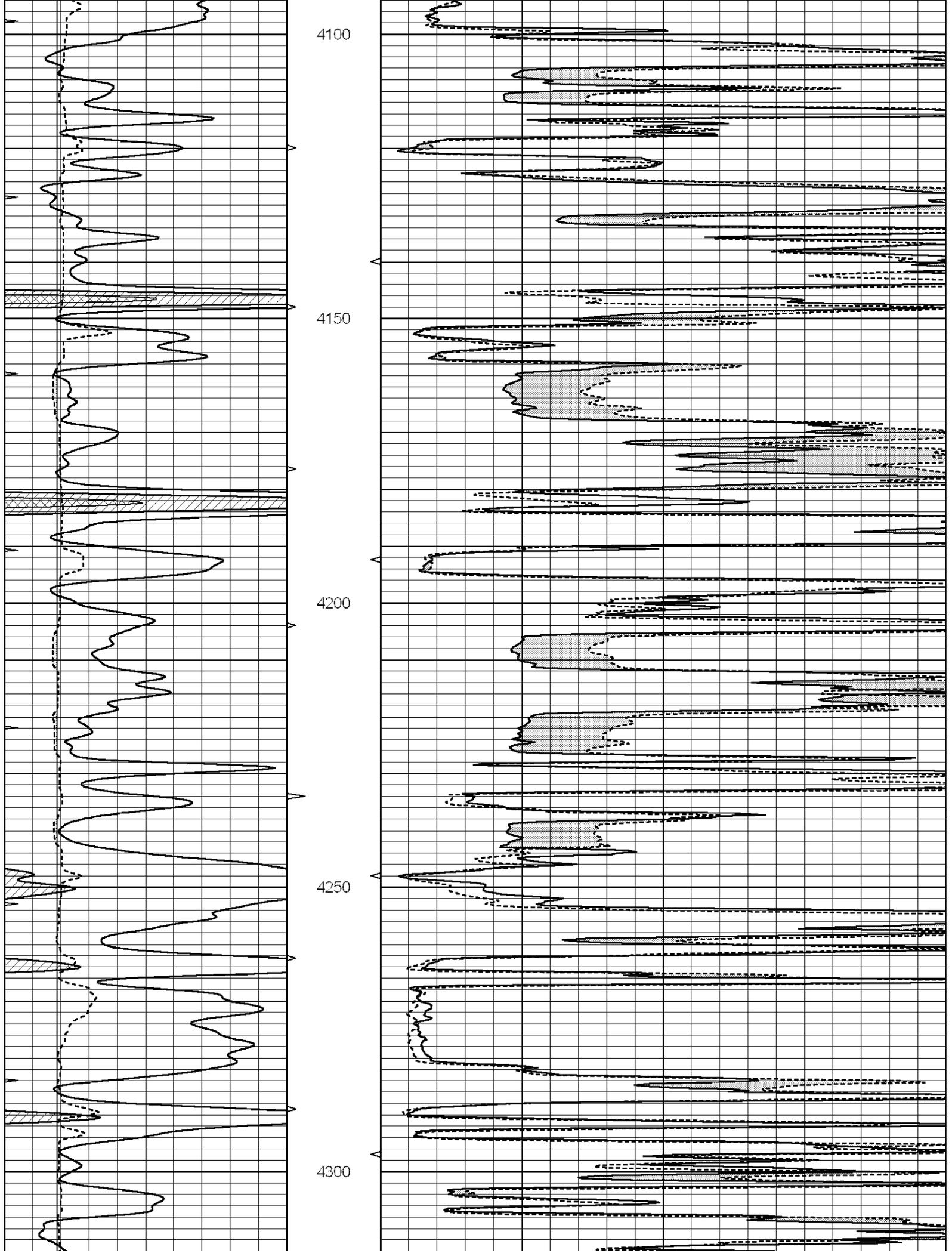
MAIN SECTION

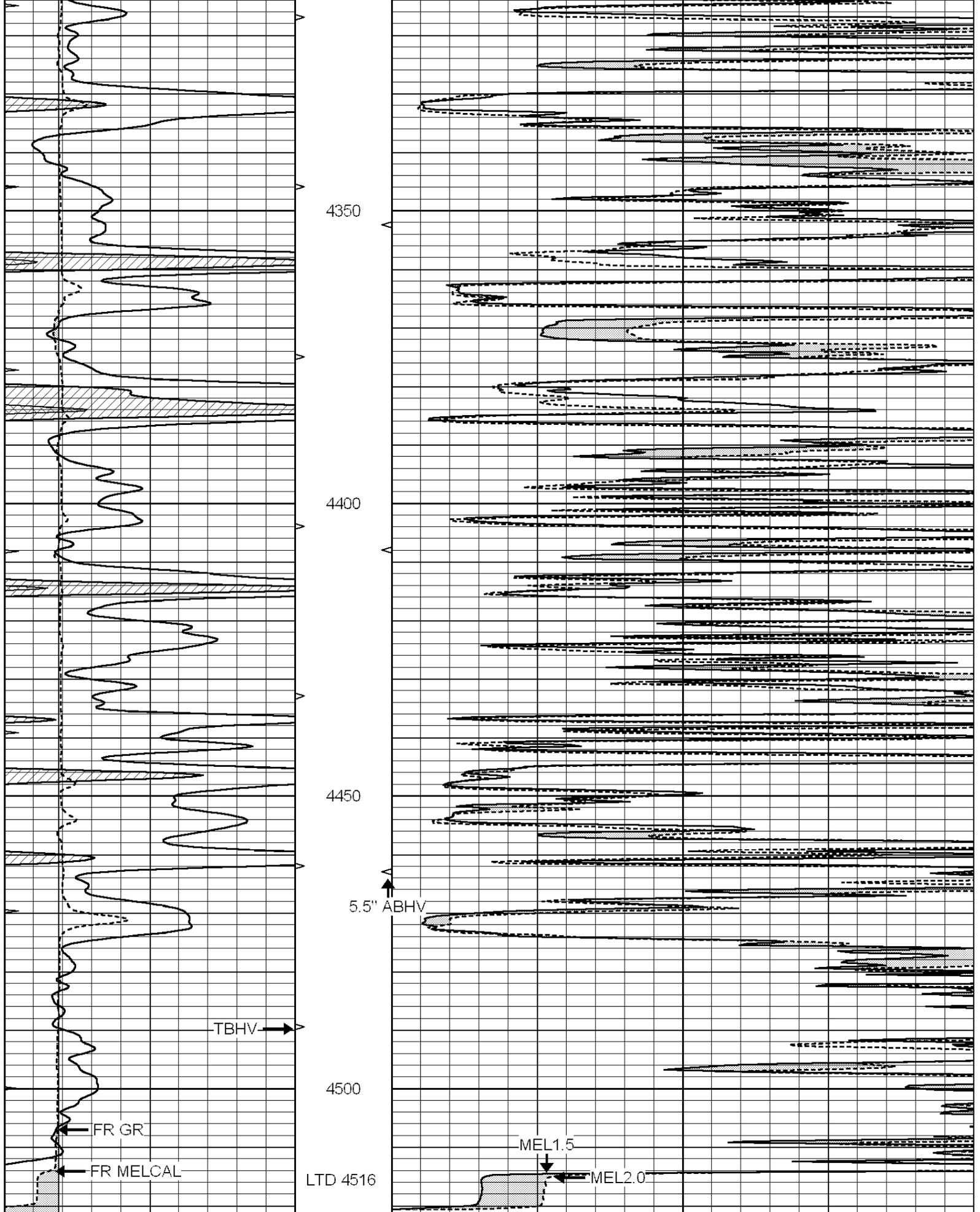
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 Dataset Pathname: pass6.5
 Presentation Format: micro
 Dataset Creation: Mon Dec 03 23:16:58 2012 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

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		









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	MINIMK	20	TBLV			

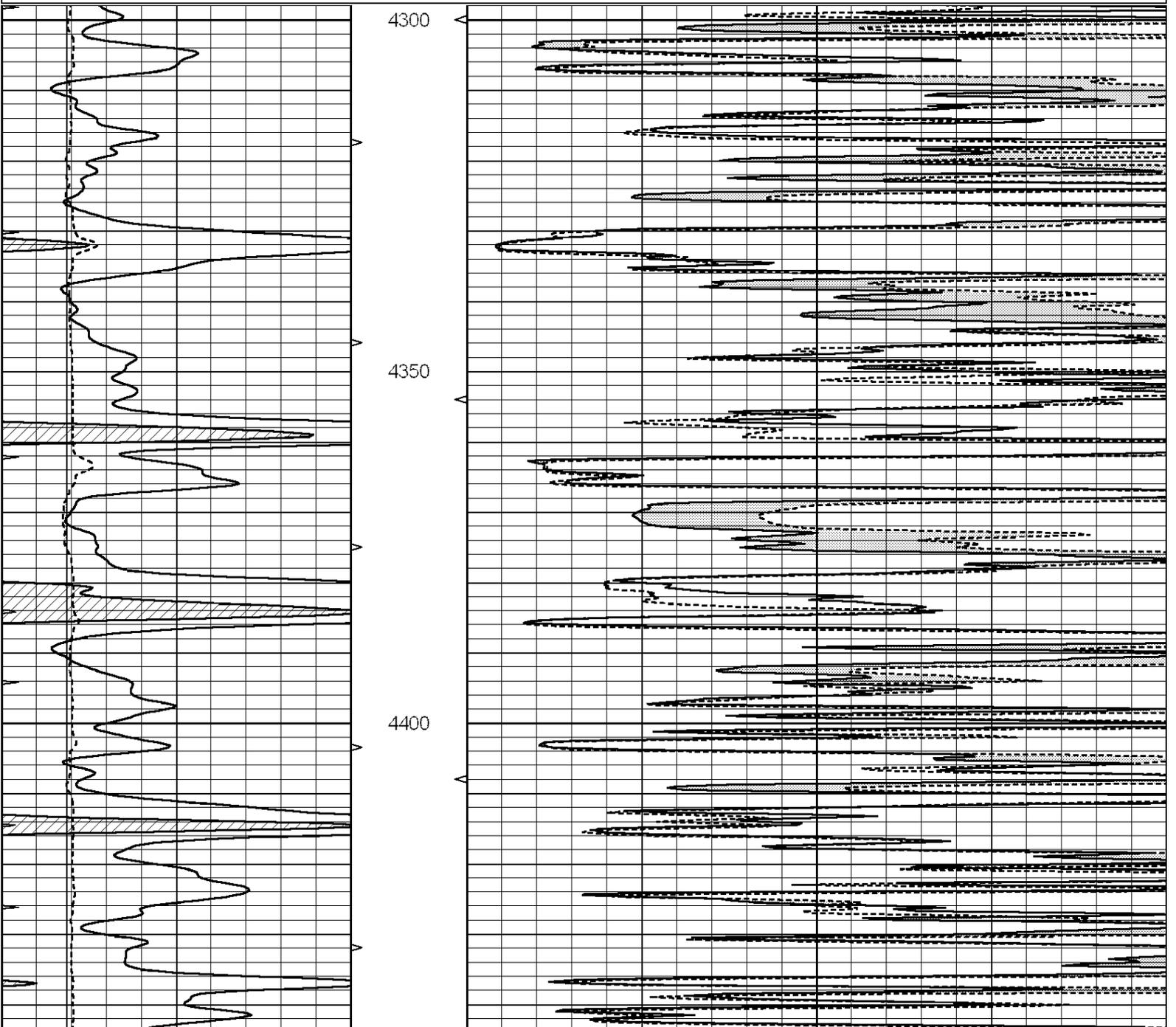
MINMK	20	TBHV	0	(ft3)	10
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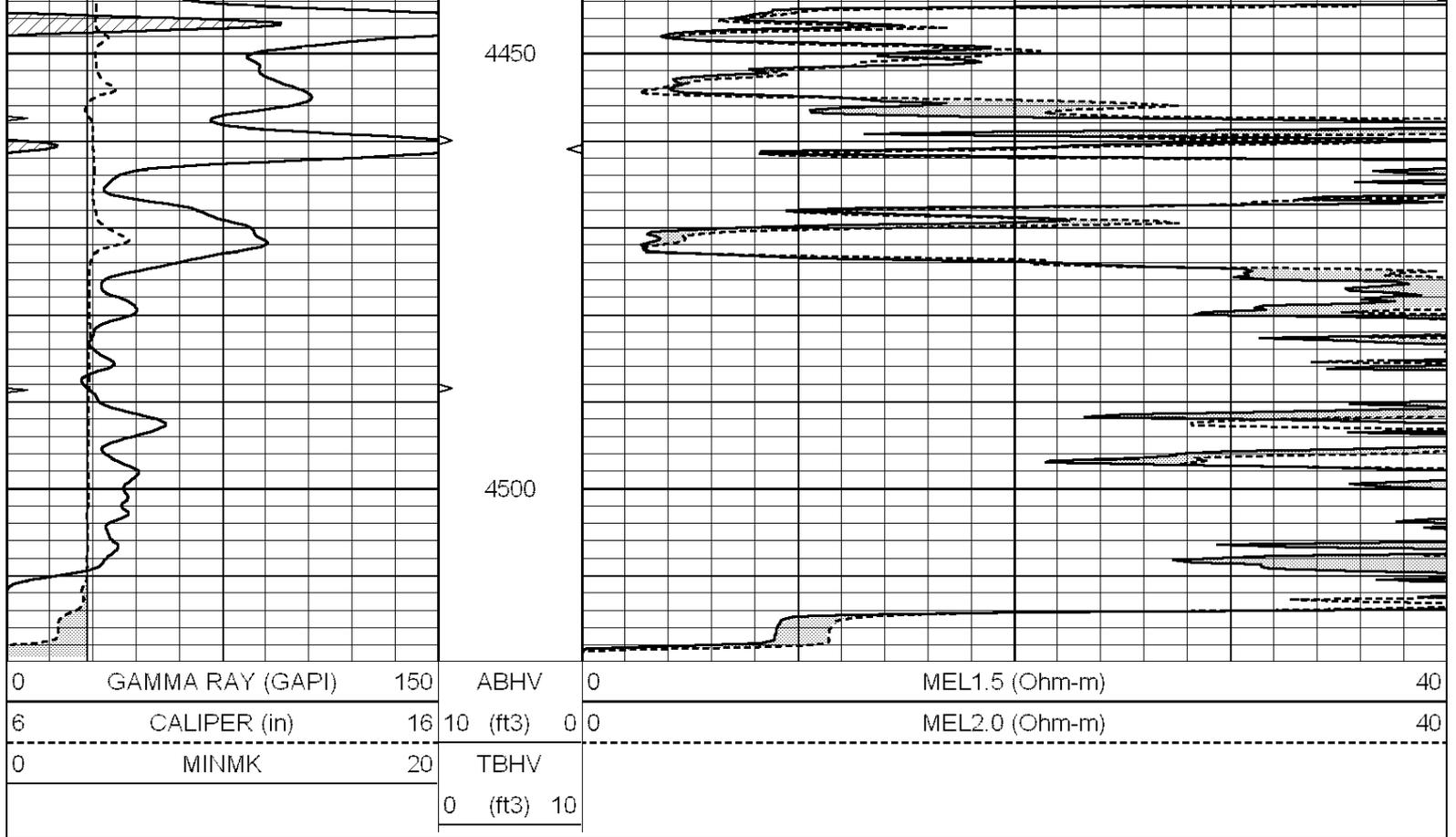


REPEAT SECTION

Database File: 010026pe.db
 Dataset Pathname: pass5.2
 Presentation Format: micro
 Dataset Creation: Mon Dec 03 23:06:37 2012 by Calc SOC 120430
 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		





Calibration Report

Database File: 010026pe.db
 Dataset Pathname: pass6.5
 Dataset Creation: Mon Dec 03 23:16:58 2012 by Calc SOC 120430

MICRO Calibration Report

Serial Number:	2	
Tool Model:	PROBE	
Performed:	Mon Nov 12 13:35:11 2012	
Caliper Calibration:	Gain=3.929	Offset=3.858
References	Low Cal 8.300	High Cal 15.000
Readings	1.130	2.835
1.5" Calibration:	Gain=25.000	Offset=-1.000
References	Low Cal 0.000	High Cal 20.000
Readings	0.065	1.210
2" Calibration:	Gain=38.000	Offset=-1.000
References	Low Cal 0.000	High Cal 20.000
Readings	0.012	1.043

Gamma Ray Calibration Report

Serial Number:	GR4	
Tool Model:	OPEN	
Performed:	Wed Nov 28 21:30:27 2012	
Calibrator Value:	200.0	GAPI

Background Reading:	0.0	cps
Calibrator Reading:	189.0	cps
Sensitivity:	1.5000	GAPI/cps