SUPERIOR WELL SERVICES

SUPERIOR
Hays, Kansas

MICRO LOG

Company MULL DRILLING COMPANY, INC.
Well #1-26 ALBIN "A"
Field WHITNEY WEST
County GOVE
State KANSAS

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Location: API # : 15-063-21998-0000

510' FNL & 2250' FWL

SEC 26 TWP 15S RGE 27W

Other Services
CDL/CNL/PE
DIL/SONIC

Permanent Datum GROUND LEVEL Elevation 2486
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2491
D.F. 2489
G.L. 2486

Date	5/30/12		
Run Number	TWO		
Depth Driller	4480		
Depth Logger	4480		
Bottom Logged Interval	4458		
Top Log Interval	3500		
Casing Driller	8 5/8"@215'		
Casing Logger	220		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3,500 PPM	
Density / Viscosity	9.4/56		
pH / Fluid Loss	9.0/9.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.800@92F		
Rmf @ Meas. Temp	.600@92F		
Rmc @ Meas. Temp	.960@92F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.613@120F		
Time Circulation Stopped	4 HOURS		
Time Logger on Bottom	2:45 P.M.		
Maximum Recorded Temperature	120F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KEVIN KESSLER		

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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 SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS
PENDENNIS, KS. & HWY 4, 6 1/2N. ON "RED CHIEF RD." TO "RD. C", 1E. TO CURVE. CONTINUE 3/4 MORE E. ON RIGHT FORK

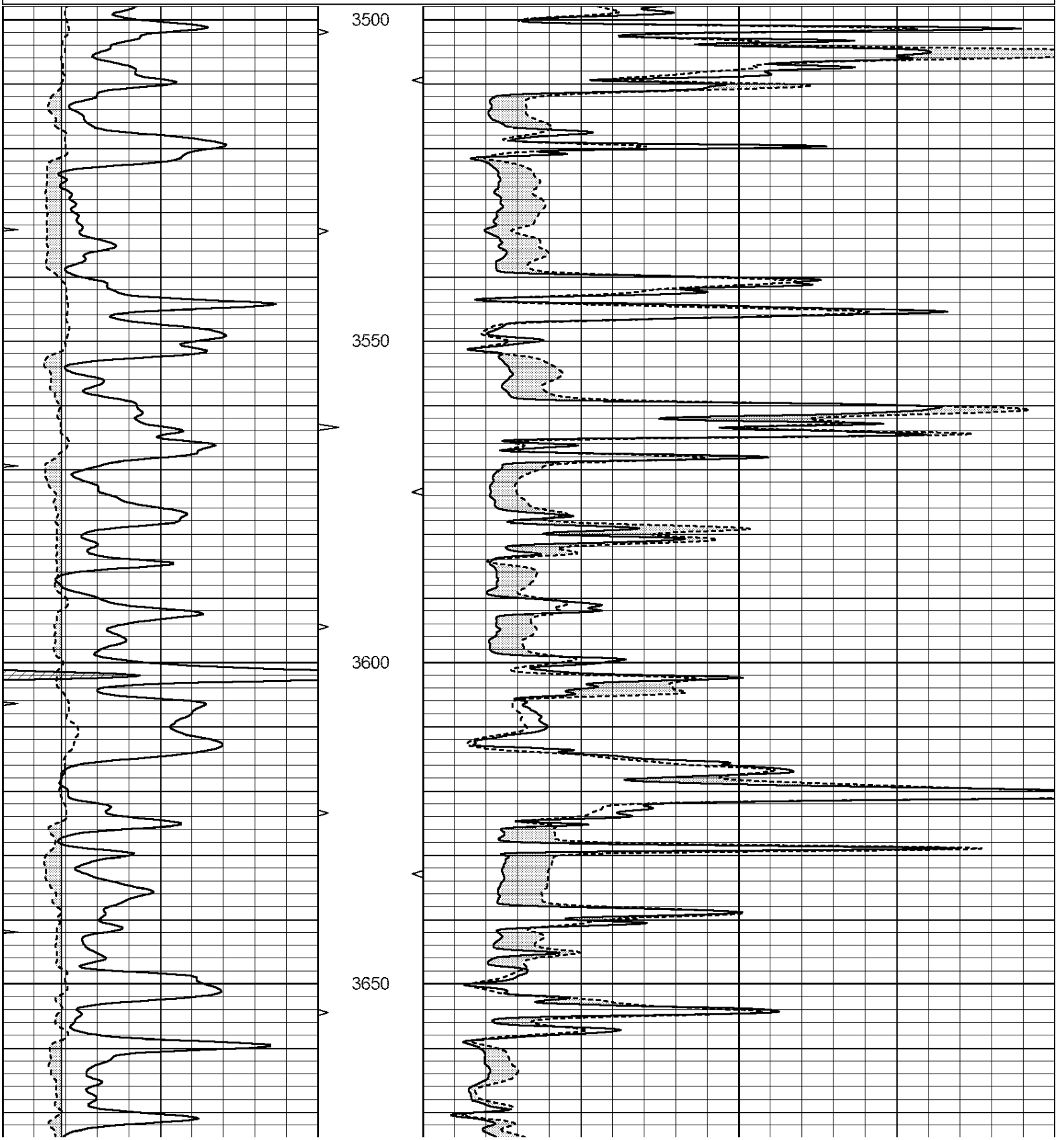
MAIN SECTION

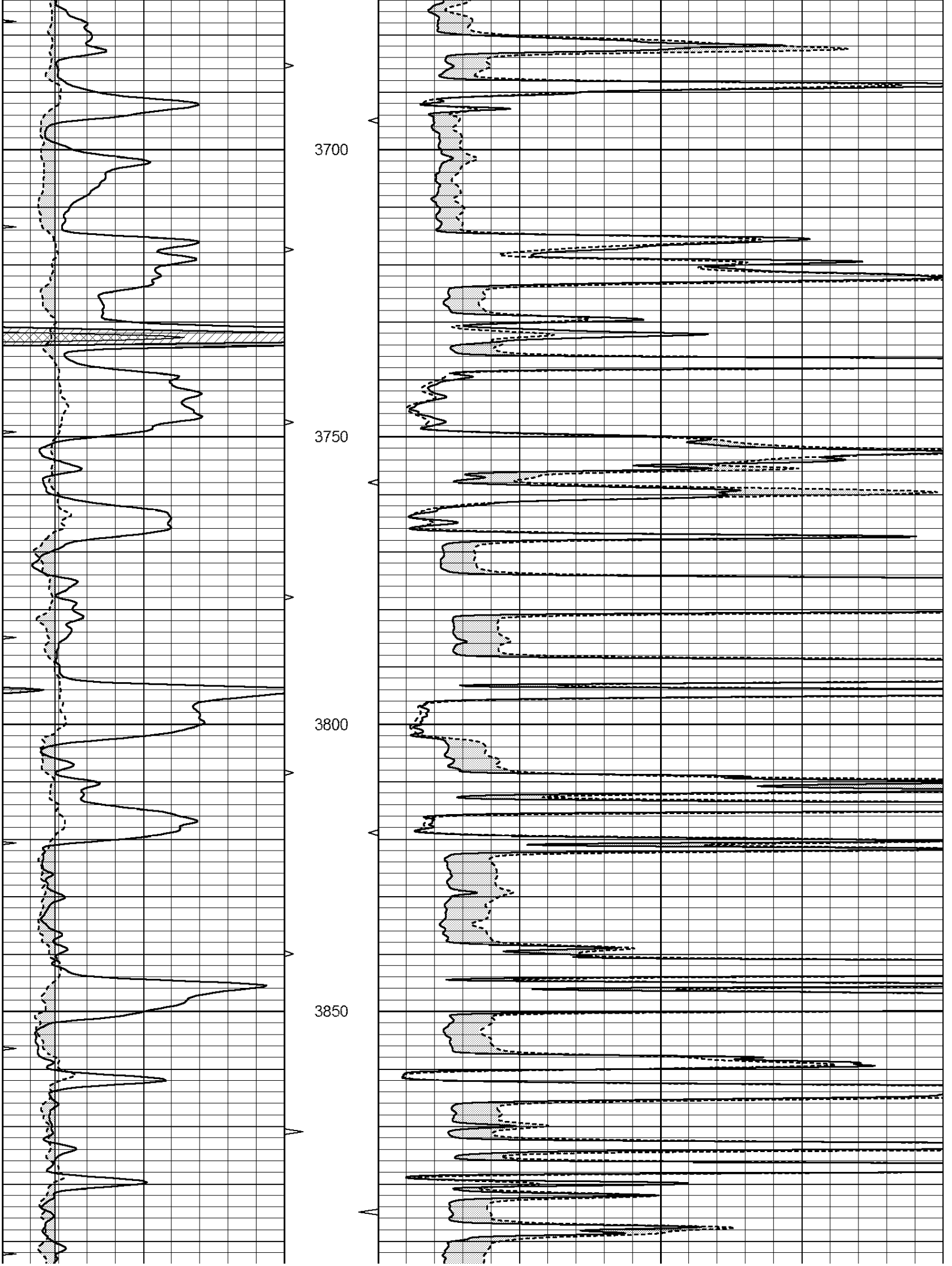
SUPERIOR
Hays, Kansas

SUPERIOR WELL SERVICES

Database File: 409130pe.db
Dataset Pathname: pass6.2
Presentation Format: micro
Dataset Creation: Wed May 30 17:59:34 2012
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
0	MINMK	20	TBHV		
			0 (ft3) 10		

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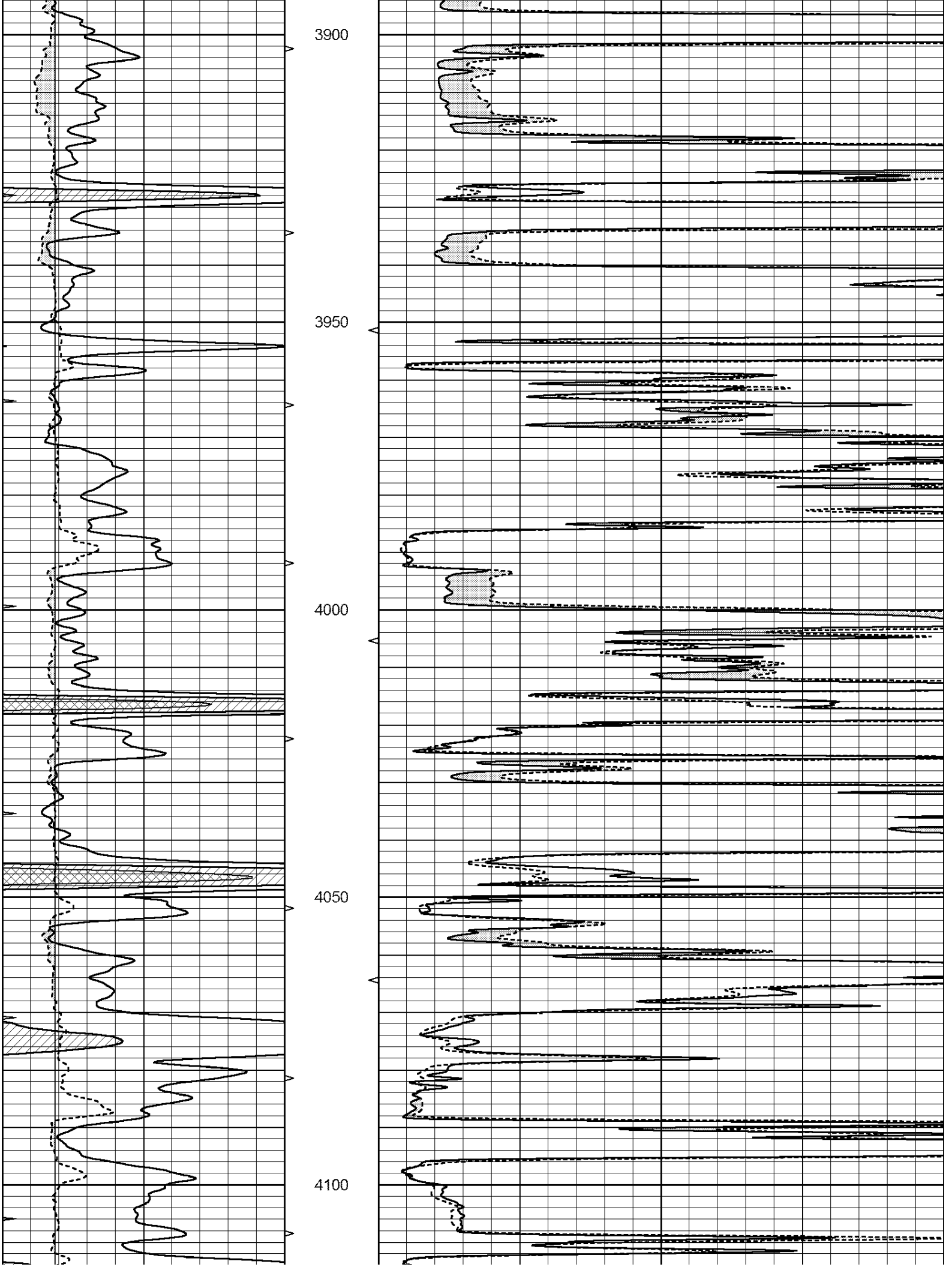
3750
3800
3850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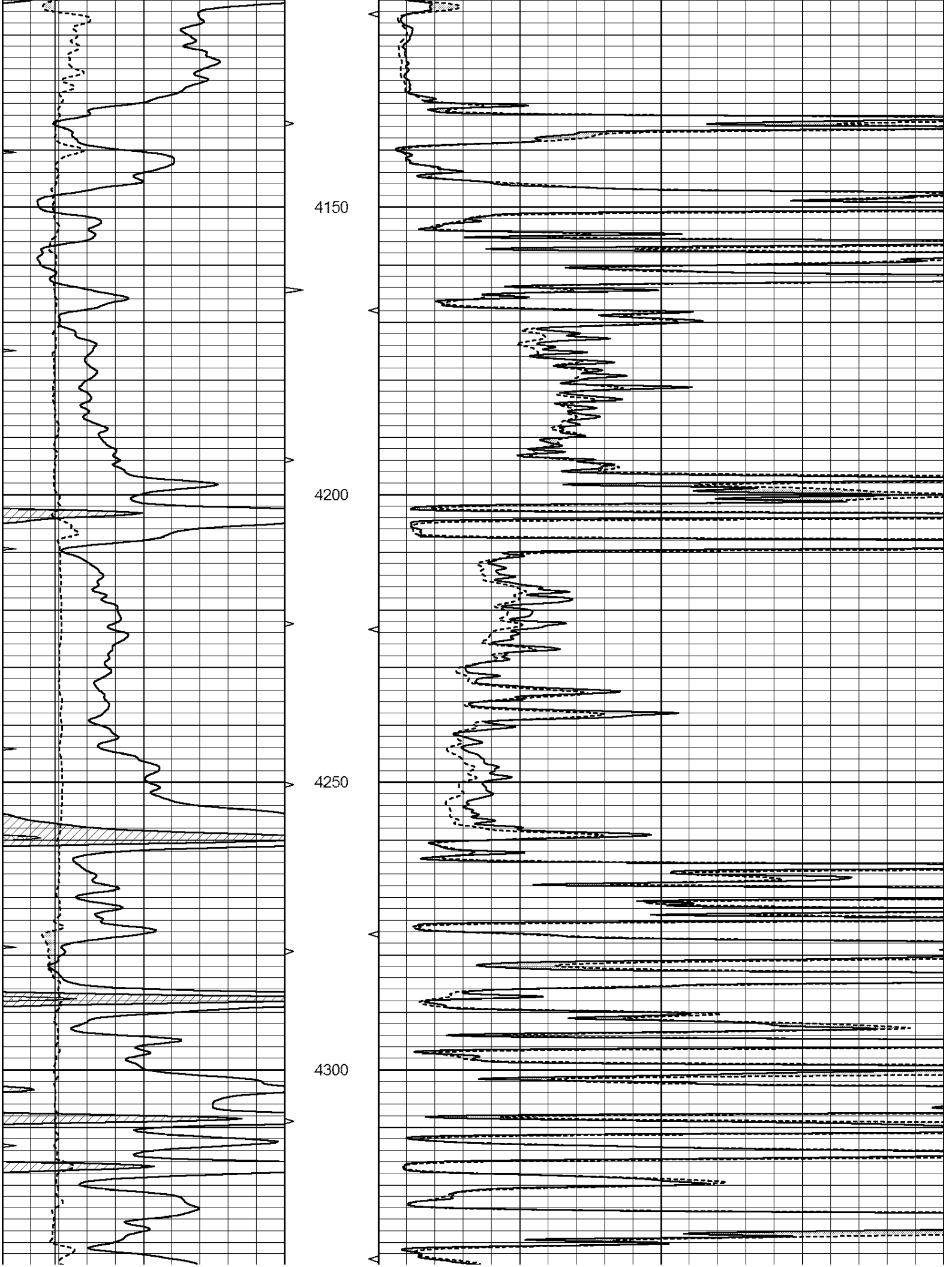
3950
4000
4050
4100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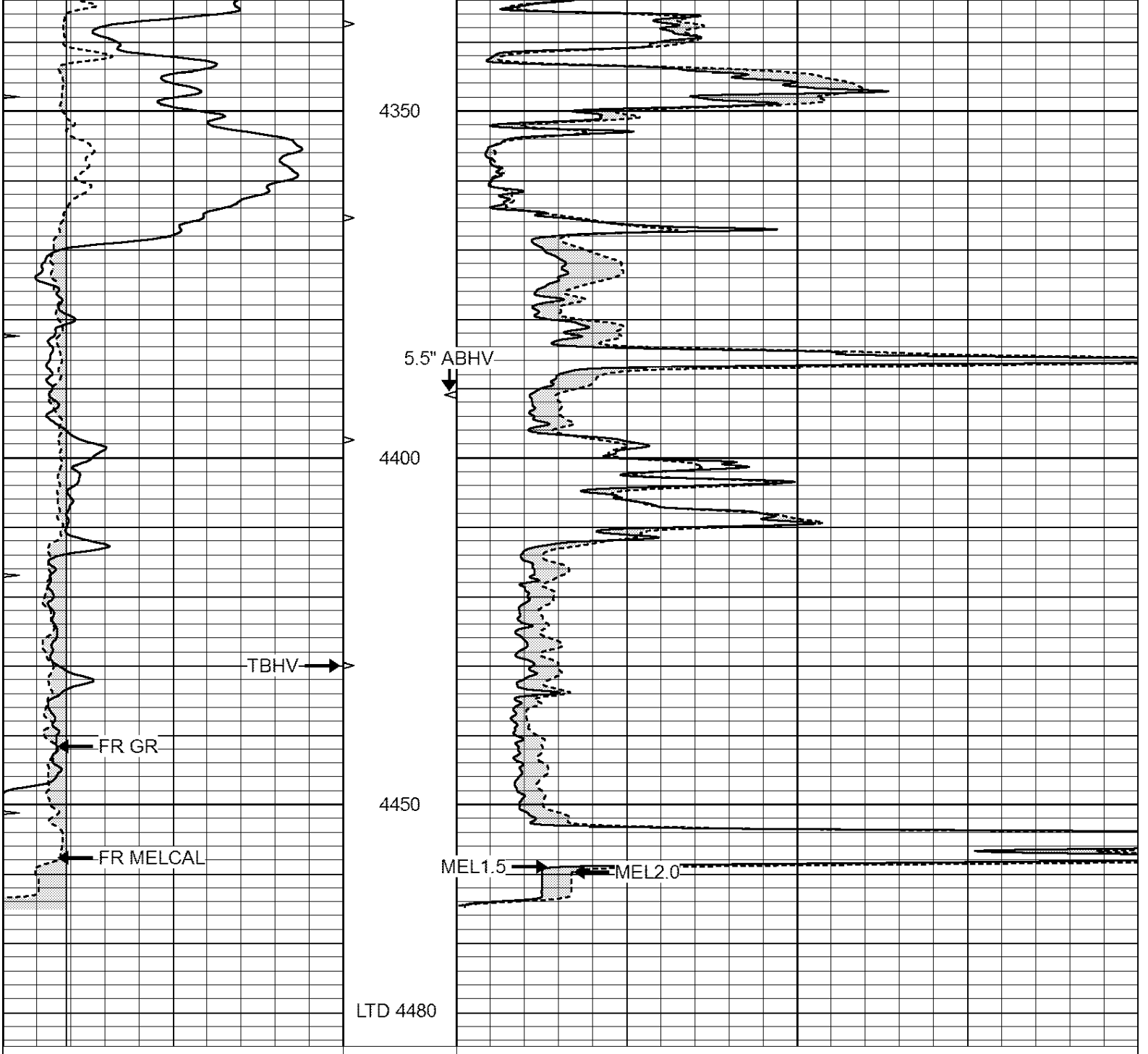
4200
4250
4300



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			

SUPERIOR WELL SERVICES

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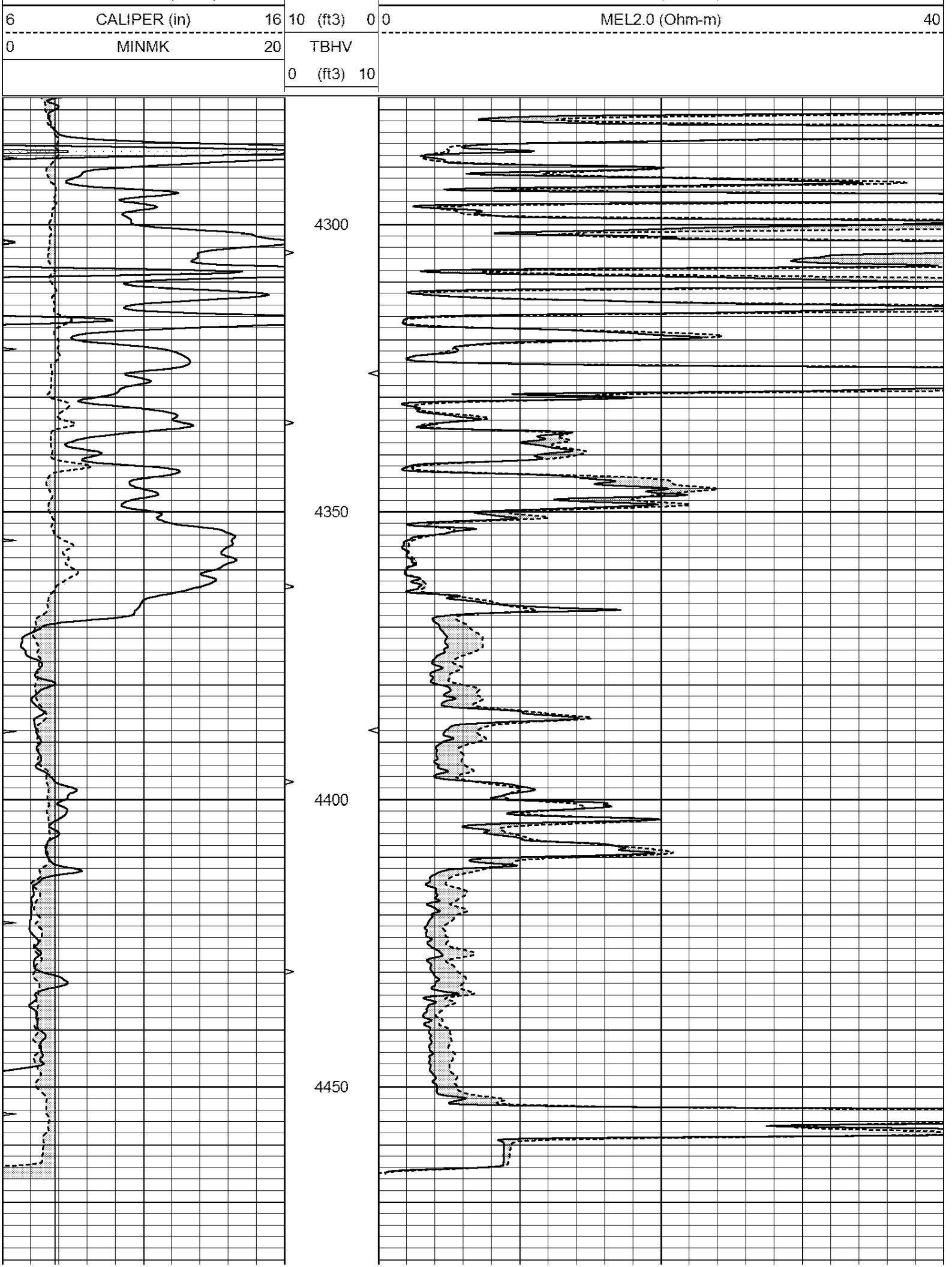
Hays,
Kansas

REPEAT SECTION

Database File:	409130pe.db
Dataset Pathname:	pass5.6
Presentation Format:	micro
Dataset Creation:	Wed May 30 17:20:10 2012
Charted by:	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40


6 CALIPER (in) 16
0 MINMK 20
10 (ft3) 0
TBHV
0 (ft3) 10
0 MEL2.0 (Ohm-m) 40
4300
4350
4400
4450

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			

Calibration Report

Database File: 409130pe.db
Dataset Pathname: pass6.2
Dataset Creation: Wed May 30 17:59:34 2012

MICRO Calibration Report

Serial Number:	MICRO5	
Tool Model:	PROBE	
Performed:	Wed May 30 16:48:31 2012	
Caliper Calibration:	Gain=2.732	Offset=0.105
	Low Cal	High Cal
References	8.550	14.500
Readings	3.092	5.270
1.5" Calibration:	Gain=25.000	Offset=0.500
	Low Cal	High Cal
References	0.000	20.000
Readings	-0.002	0.981
2" Calibration:	Gain=45.000	Offset=-0.300
	Low Cal	High Cal
References	0.000	20.000
Readings	0.002	0.898

Gamma Ray Calibration Report

Serial Number:	GR4	
Tool Model:	OPEN	
Performed:	Wed May 30 16:27:04 2012	
Calibrator Value:	200.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	189.0	cps
Sensitivity:	1.8000	GAPI/cps