



MICRO LOG

Company PHILLIPS EXPLORATION CO., L.C.
Well WANKER #2-4 SHR
Field WILDCAT
County TREGO
State KANSAS

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Field WILDCAT
County TREGO State KANSAS

Location: API # : 15-195-23051-0000
550' FSL & 1150' FEL
NW - SW - SE - SE
Permanent Datum GROUND LEVEL Elevation 2484
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING
SEC 4 TWP 13S RGE 24W
Other Services CDL/CNL DIL
Elevation K.B. 2489 D.F. 2487 G.L. 2484

Date	8/2/18		
Run Number	TWO		
Depth Driller	4410		
Depth Logger	4410		
Bottom Logged Interval	4408		
Top Log Interval	3400		
Casing Driller	8 5/8"@218'		
Casing Logger	218		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8,900 PPM	
Density / Viscosity	9.3/60		
pH / Fluid Loss	11.0/6.4		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.700@100F		
Rmf @ Meas. Temp	.525@100F		
Rmc @ Meas. Temp	.840@100F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.583@120F		
Time Circulation Stopped	3.5 HOURS		
Time Logger on Bottom	11:30 P.M.		
Maximum Recorded Temperature	120F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	PAT DEENIHAN		

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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

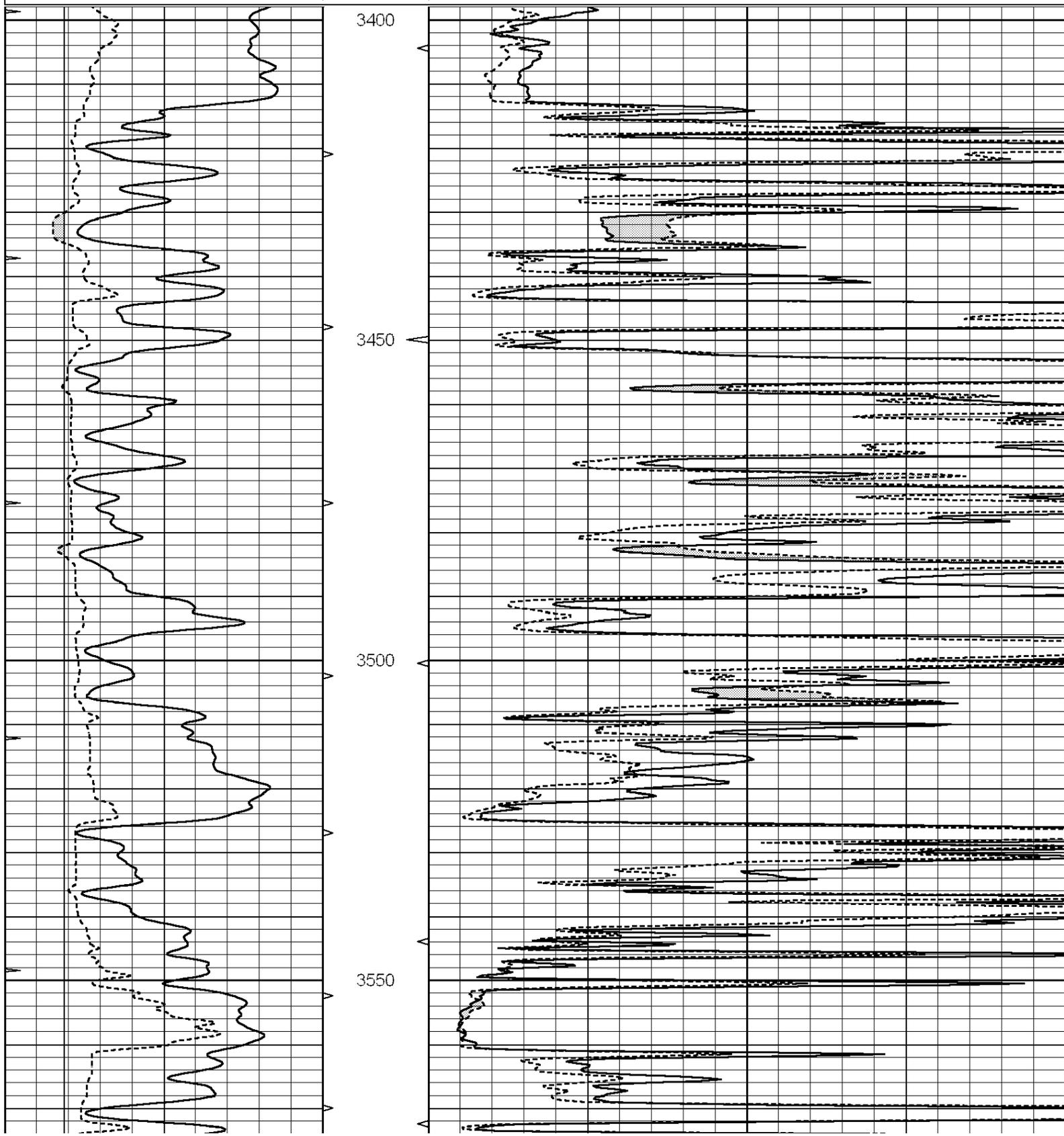
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
WAKENNEY, KS., 3S. ON HWY 283 TO "RD. M", 5W. TO "200TH RD.", S. PAST FARM HOUSE, W. & S. INT

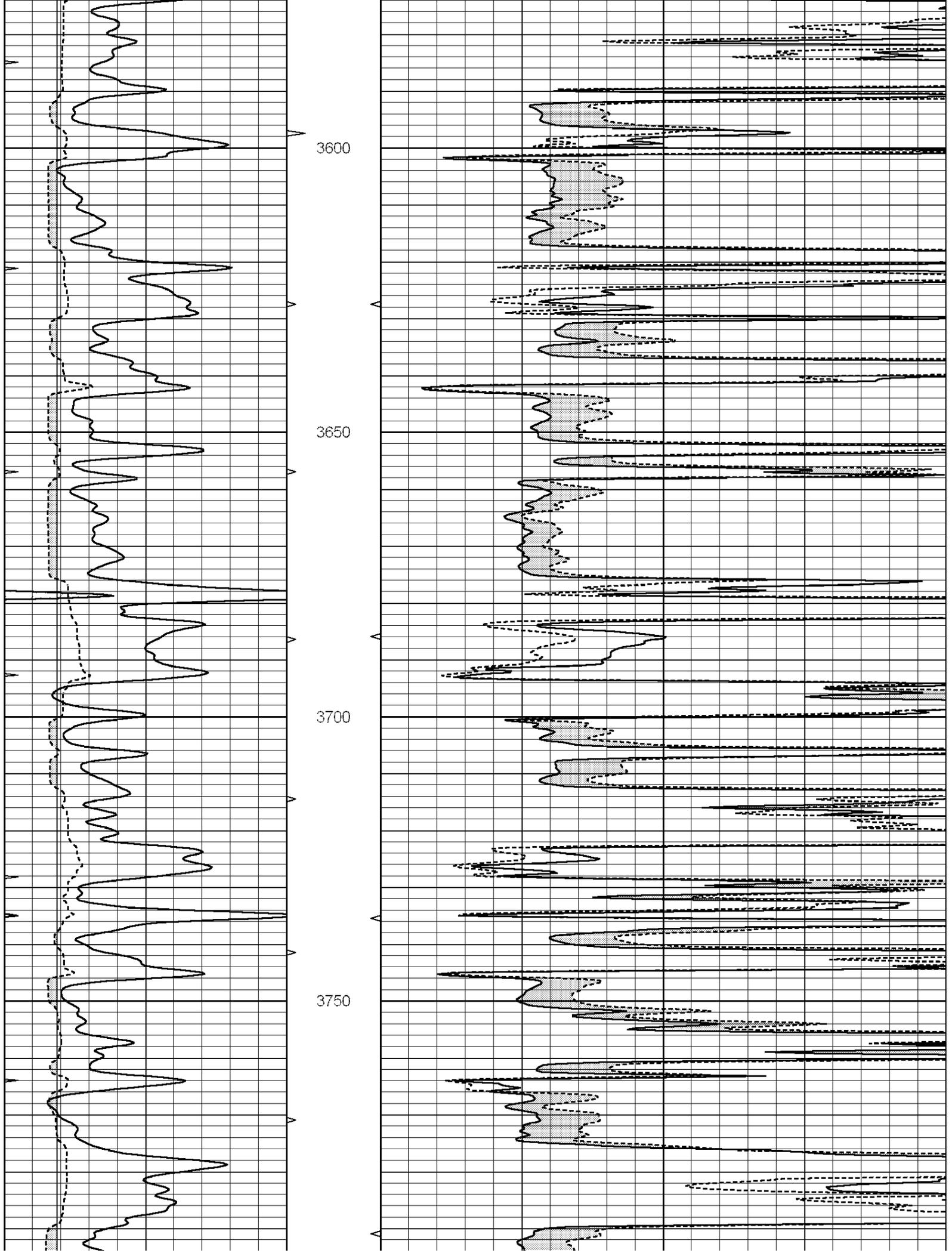


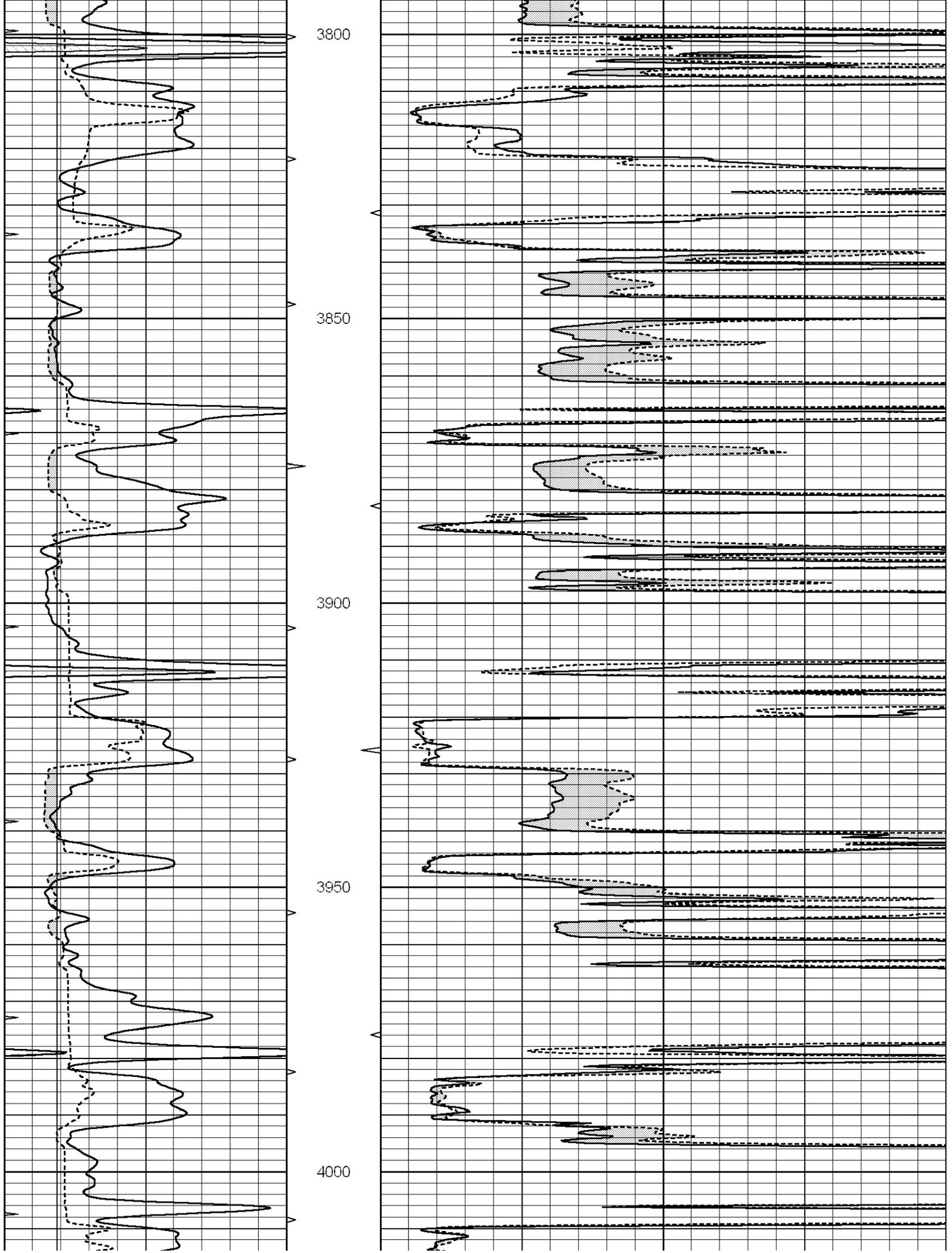
MAIN SECTION

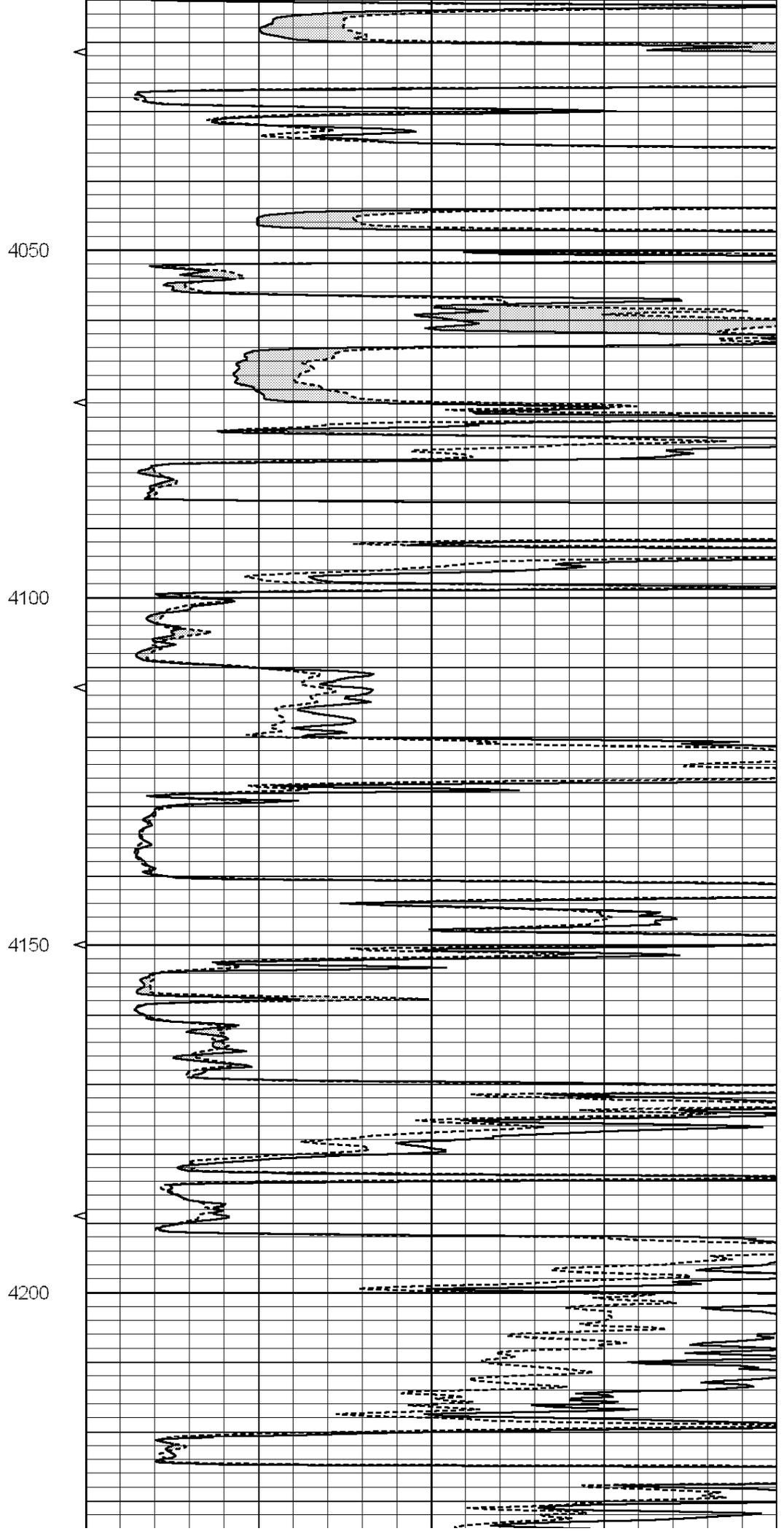
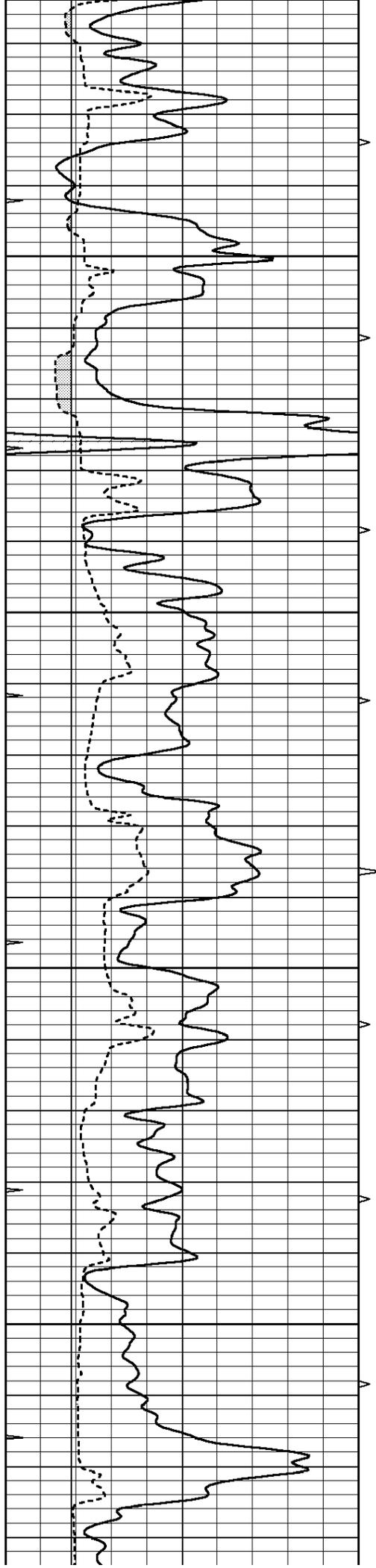
Database File: 2669ddn.db
 Dataset Pathname: pass6.1
 Presentation Format: micro
 Dataset Creation: Fri Aug 03 00:30:07 2018 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

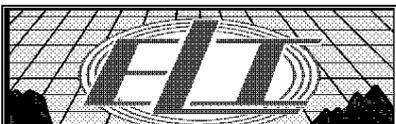
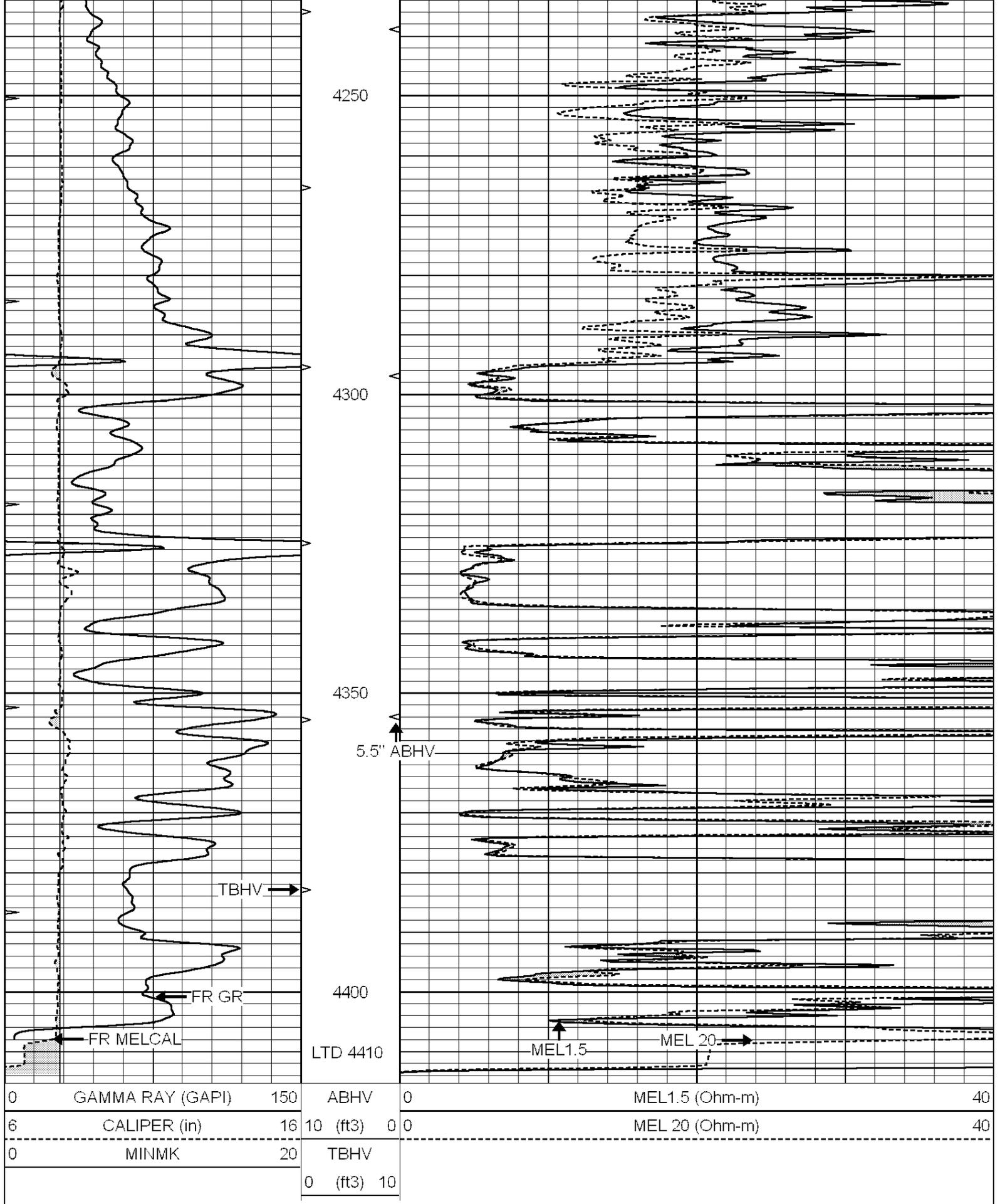
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		







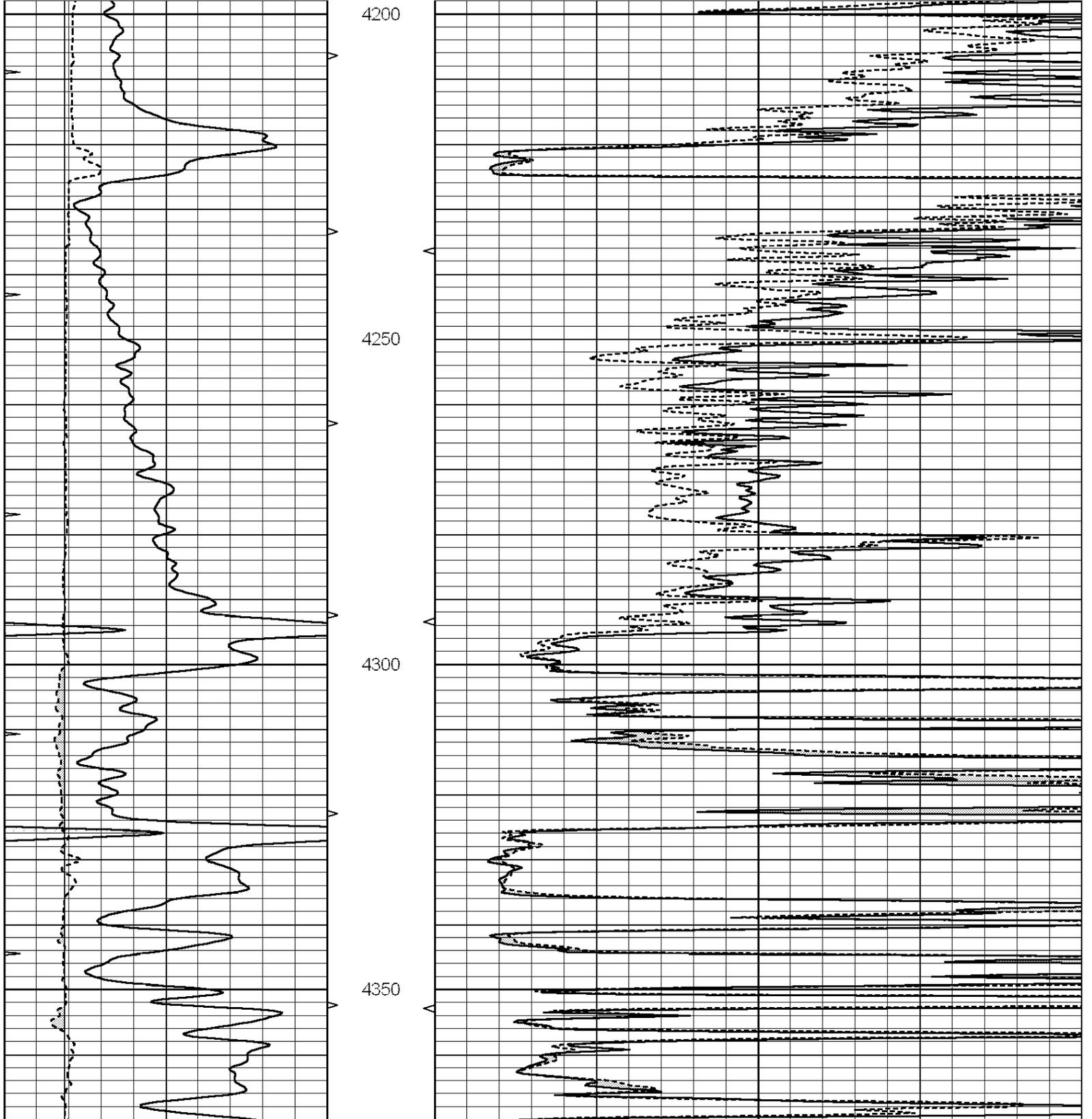


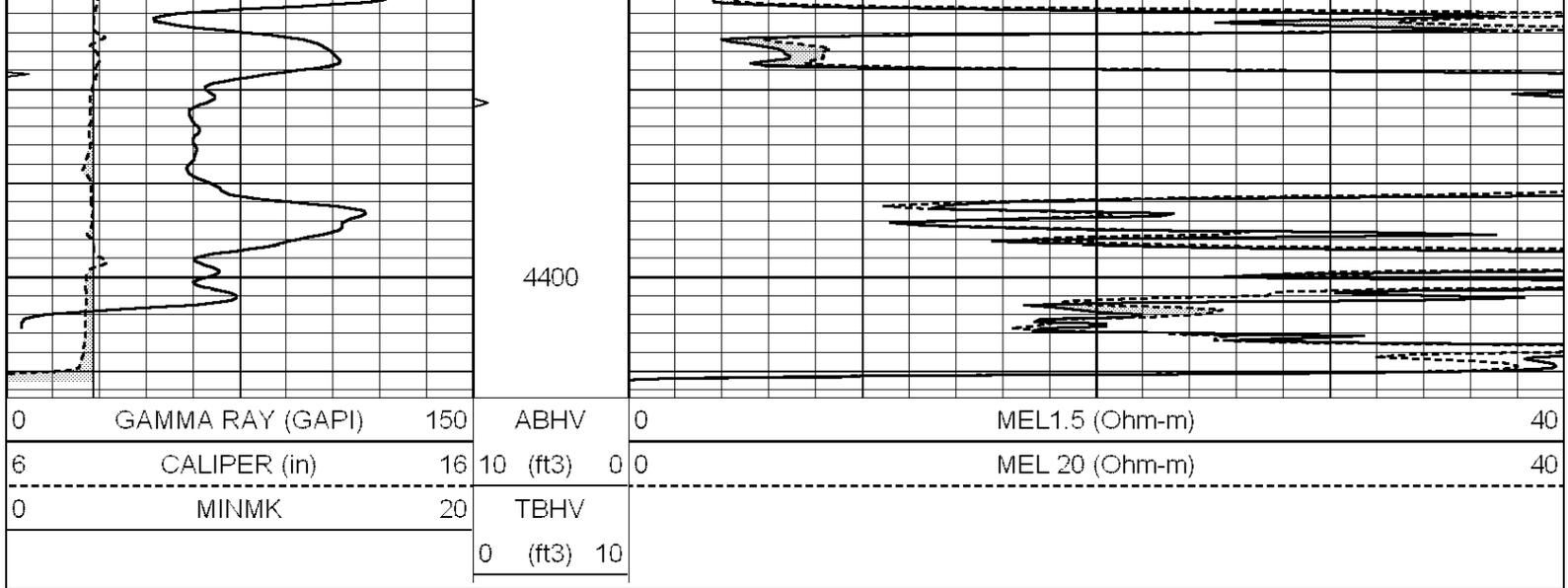


REPEAT SECTION

Database File: 2669ddn.db
 Dataset Pathname: pass5.2
 Presentation Format: micro
 Dataset Creation: Fri Aug 03 00:32:43 2018 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 0	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		





Calibration Report

Database File: 2669ddn.db
 Dataset Pathname: pass6.1
 Dataset Creation: Fri Aug 03 00:30:07 2018 by Calc SOC 120430

MICRO Calibration Report

Serial Number: 070911
 Tool Model: ProbeN
 Performed: Tue Jul 17 14:52:02 2018

Caliper Calibration: Gain=3.894 Offset=2.131

References	Low Cal	High Cal
Readings	7.700	18.000
	1.430	4.075

1.5" Calibration: Gain=64.000 Offset=-0.500

References	Low Cal	High Cal
Readings	0.000	20.000
	0.001	1.240

2" Calibration: Gain=74.000 Offset=-0.500

References	Low Cal	High Cal
Readings	0.000	20.000
	0.001	1.076

Gamma Ray Calibration Report

Serial Number: 070559
 Tool Model: OPEN_GR
 Performed: Mon Jul 16 08:43:23 2018

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.2300 GAPI/cps