



**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company RITCHIE EXPLORATION, INC.
Well BAKER 31 C #1
Field AMERICAN BEAUTY
County LOGAN State KANSAS

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Location: API #: 15-109-21372-00-00
800' FSL & 1890' FWL
E2 - SE - SW
SEC 31 TWP 15S RGE 34W
Permanent Datum GROUND LEVEL Elevation 3044
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CNL/CDL
DIL
Elevation
K.B. 3049
D.F. 3047
G.L. 3044

Date	11-28-14		
Run Number	TWO		
Depth Driller	4784		
Depth Logger	4788		
Bottom Logged Interval	4786		
Top Log Interval	3400		
Casing Driller	8 5/8 @ 218'		
Casing Logger	216'		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8,000 PPM	
Density / Viscosity	9.2 / 74		
pH / Fluid Loss	10.5 / 10.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.50 @ 86F		
Rmf @ Meas. Temp	0.38 @ 86F		
Rmc @ Meas. Temp	0.60 @ 86F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	0.35 @ 123F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	123F		
Equipment Number	3802		
Location	HAYS, KS.		
Recorded By	IAN MABB		
Witnessed By	MAX LOVELLY		

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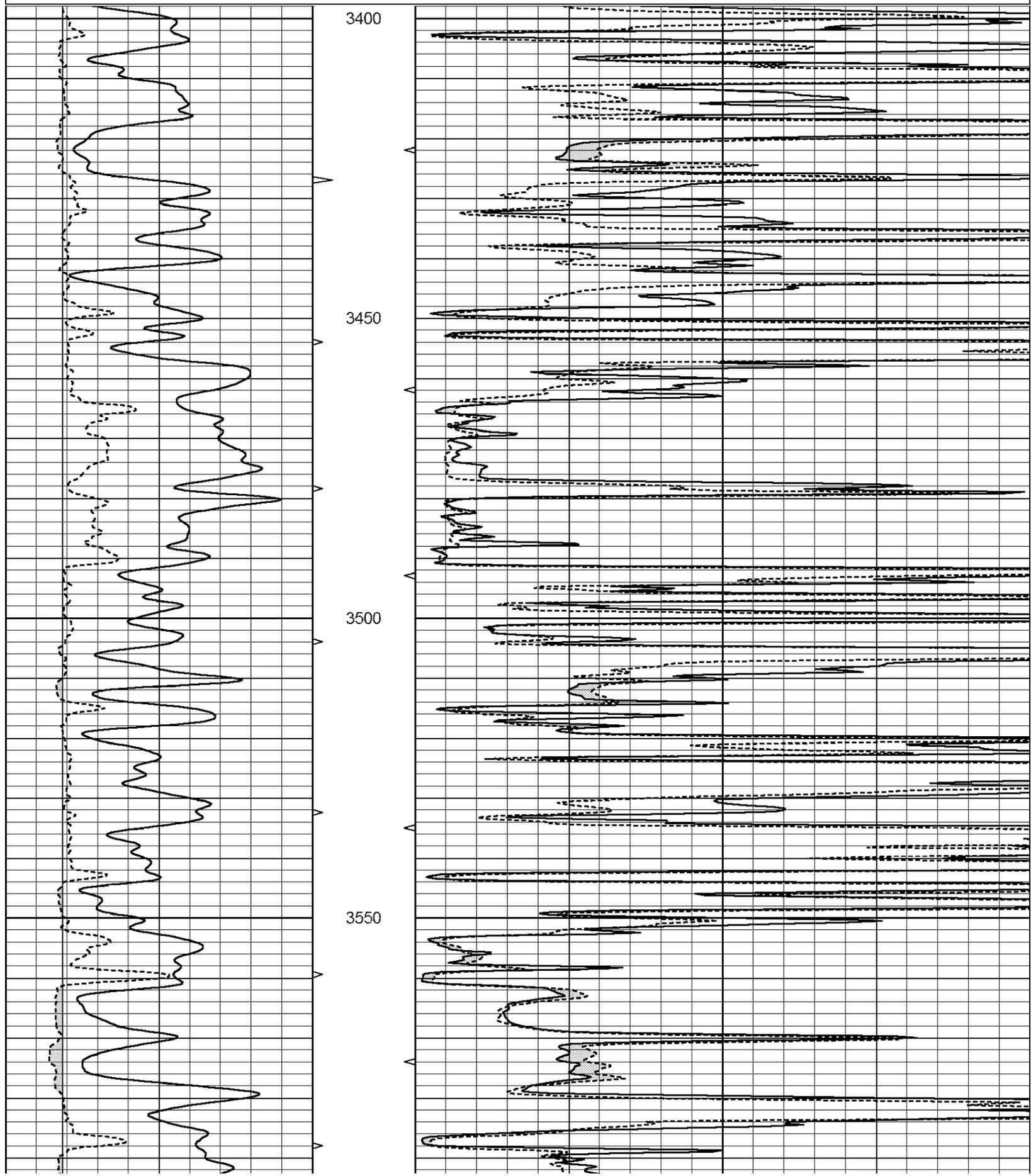
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

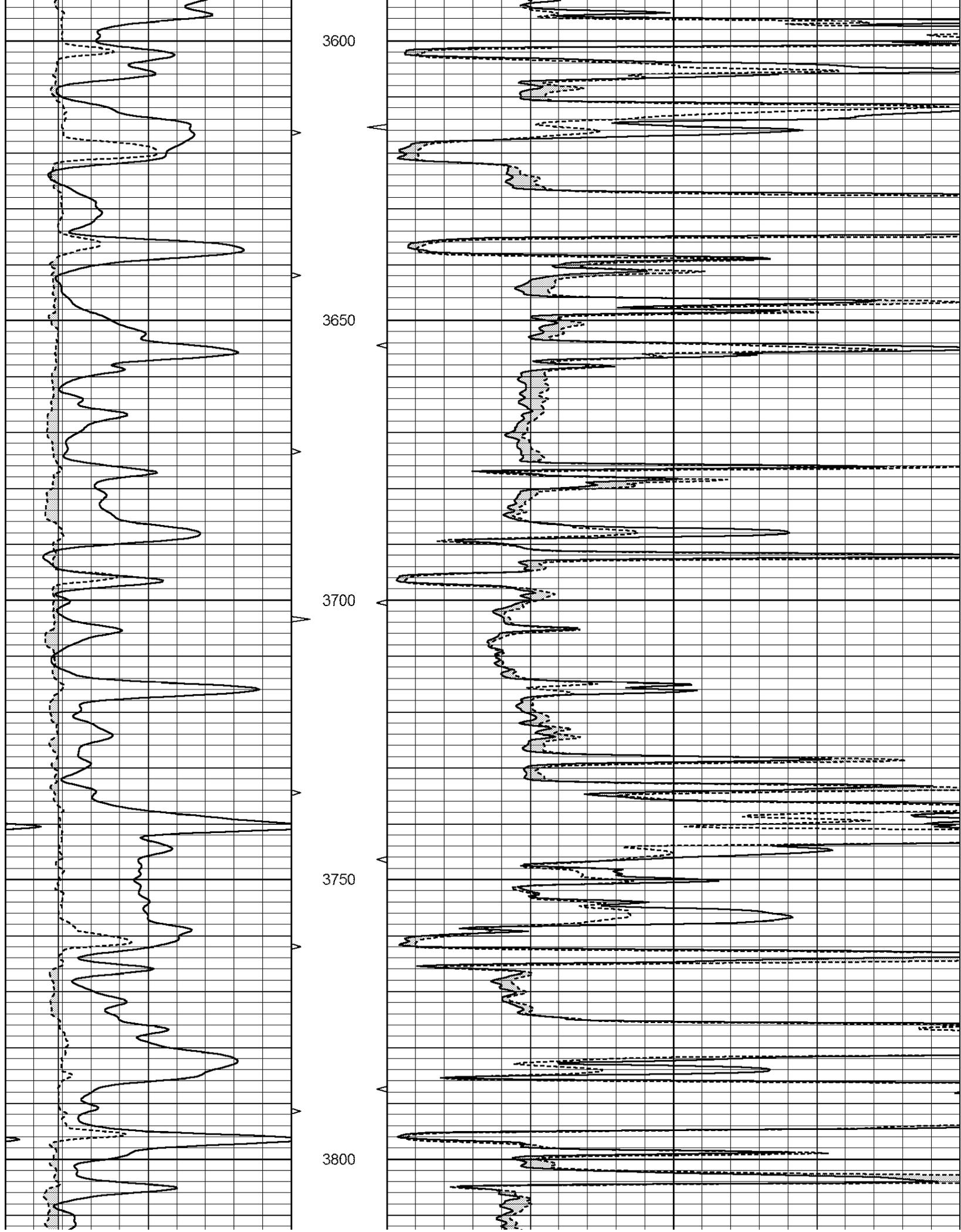
Comments

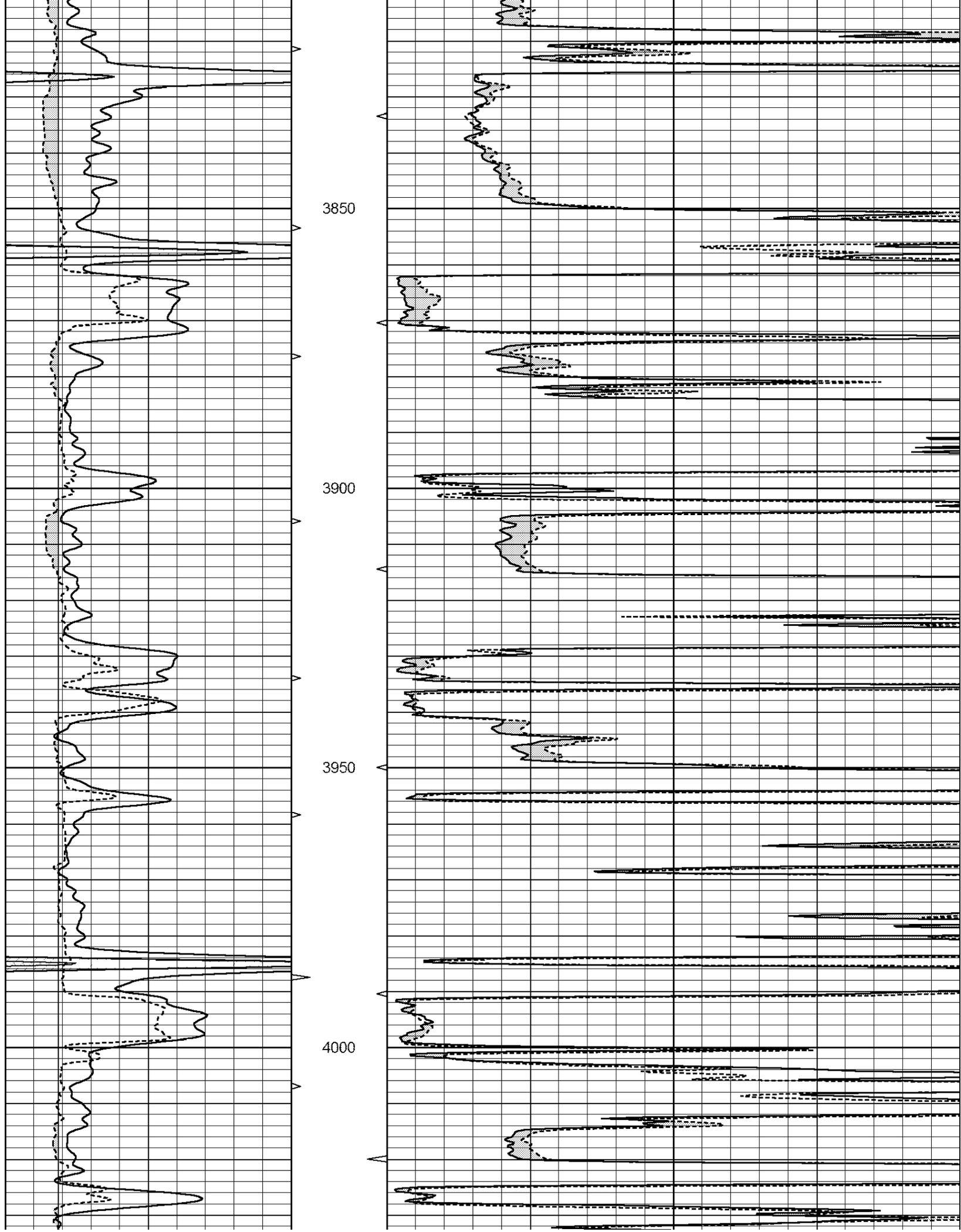
NABORS COMPLETION & PRODUCTION SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: PENCE, KS. - 3 1/2 MILES NORTH WEST INTO 1/2 MILE - SOUTH THROUGH CATTLE GUARD

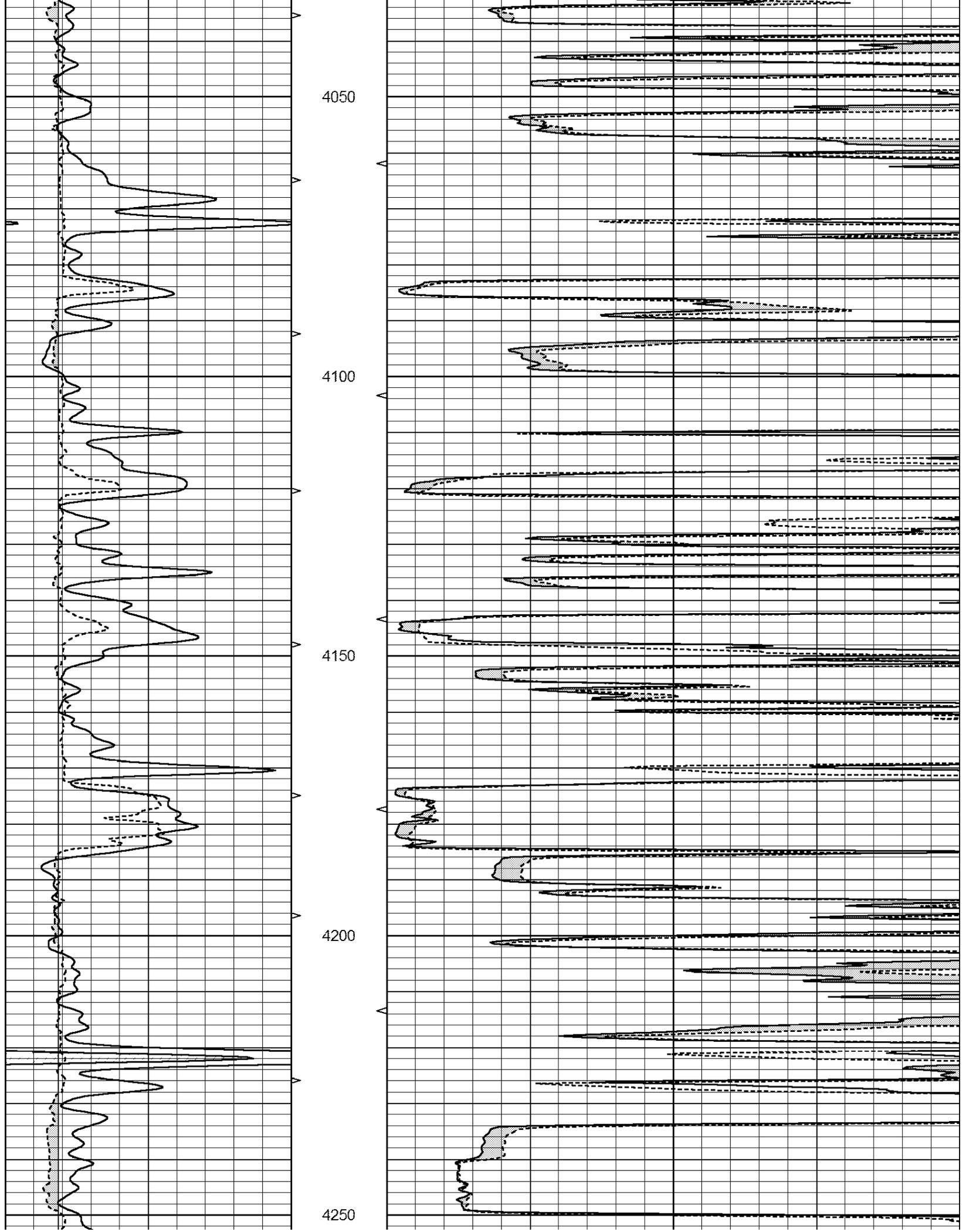
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Presentation Format: _micro
Dataset Creation: Sat Nov 29 03:52:01 2014

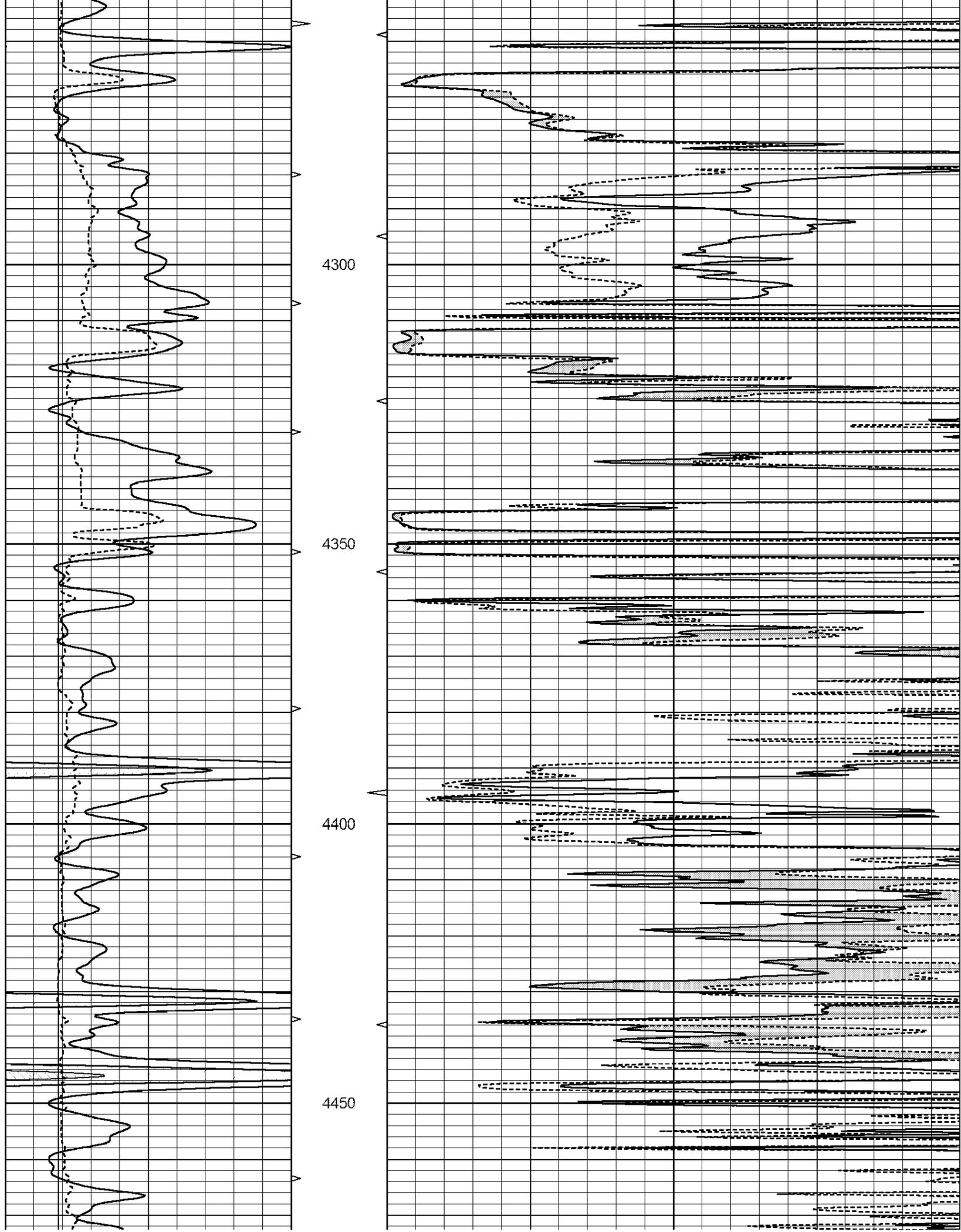
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3)	10		

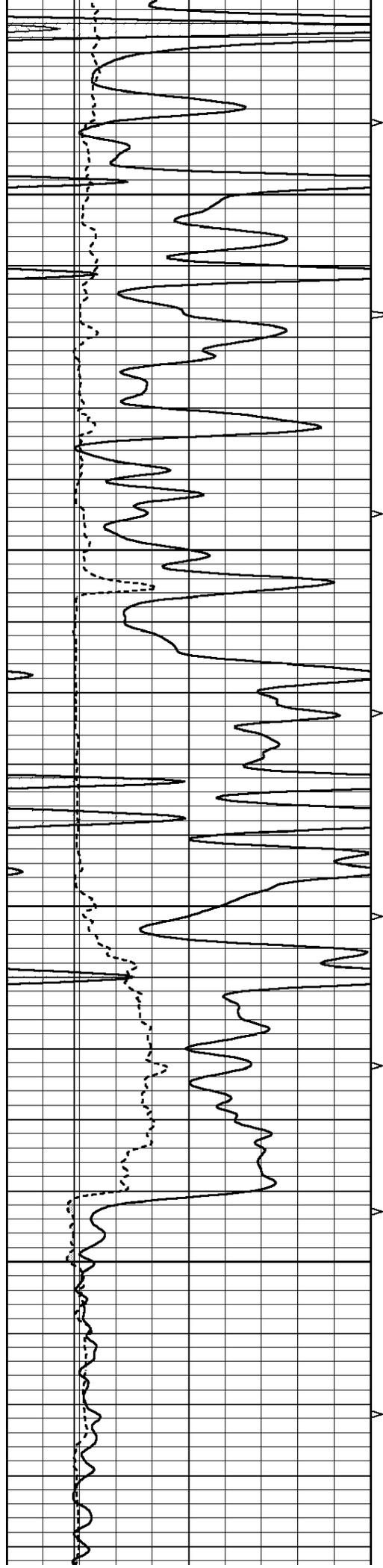










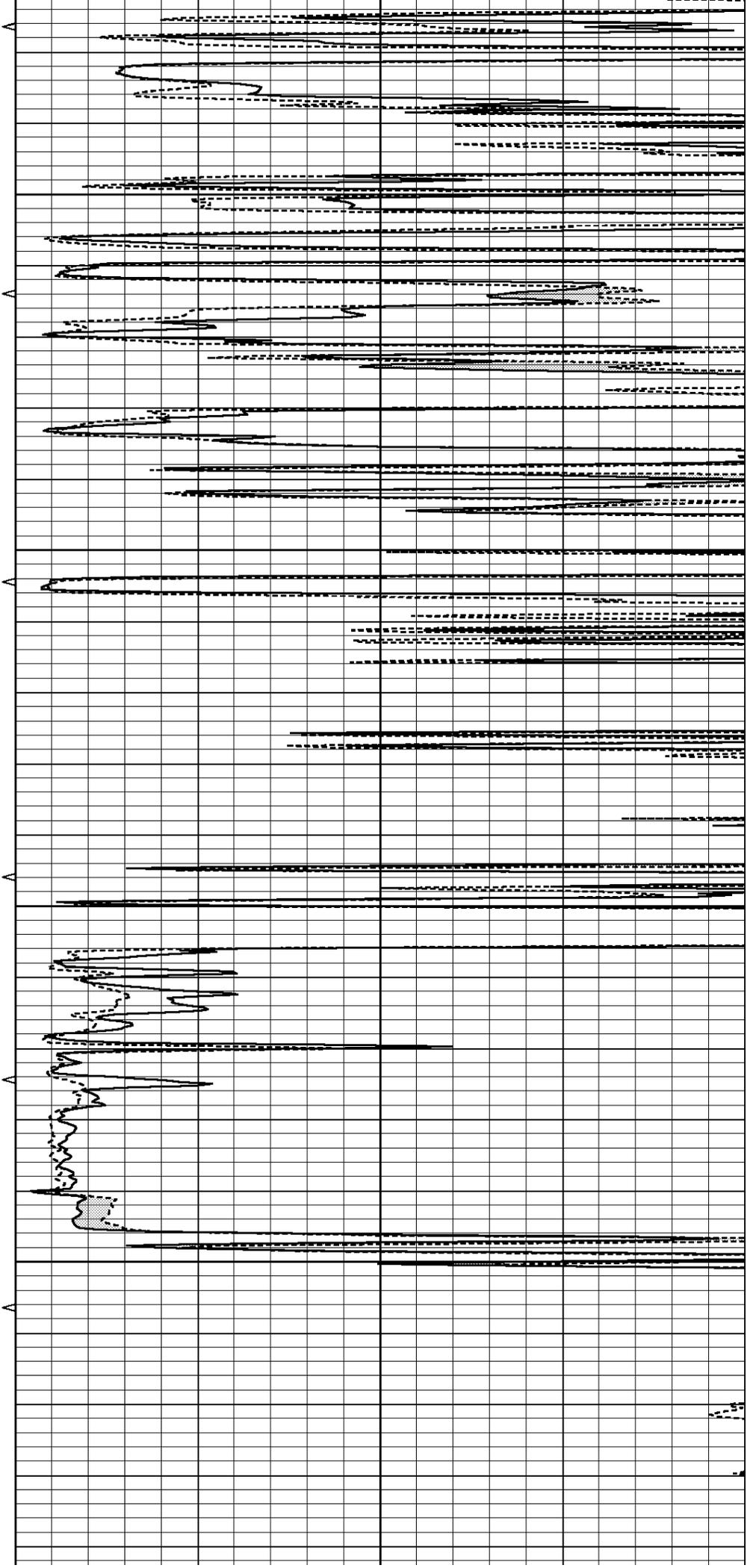


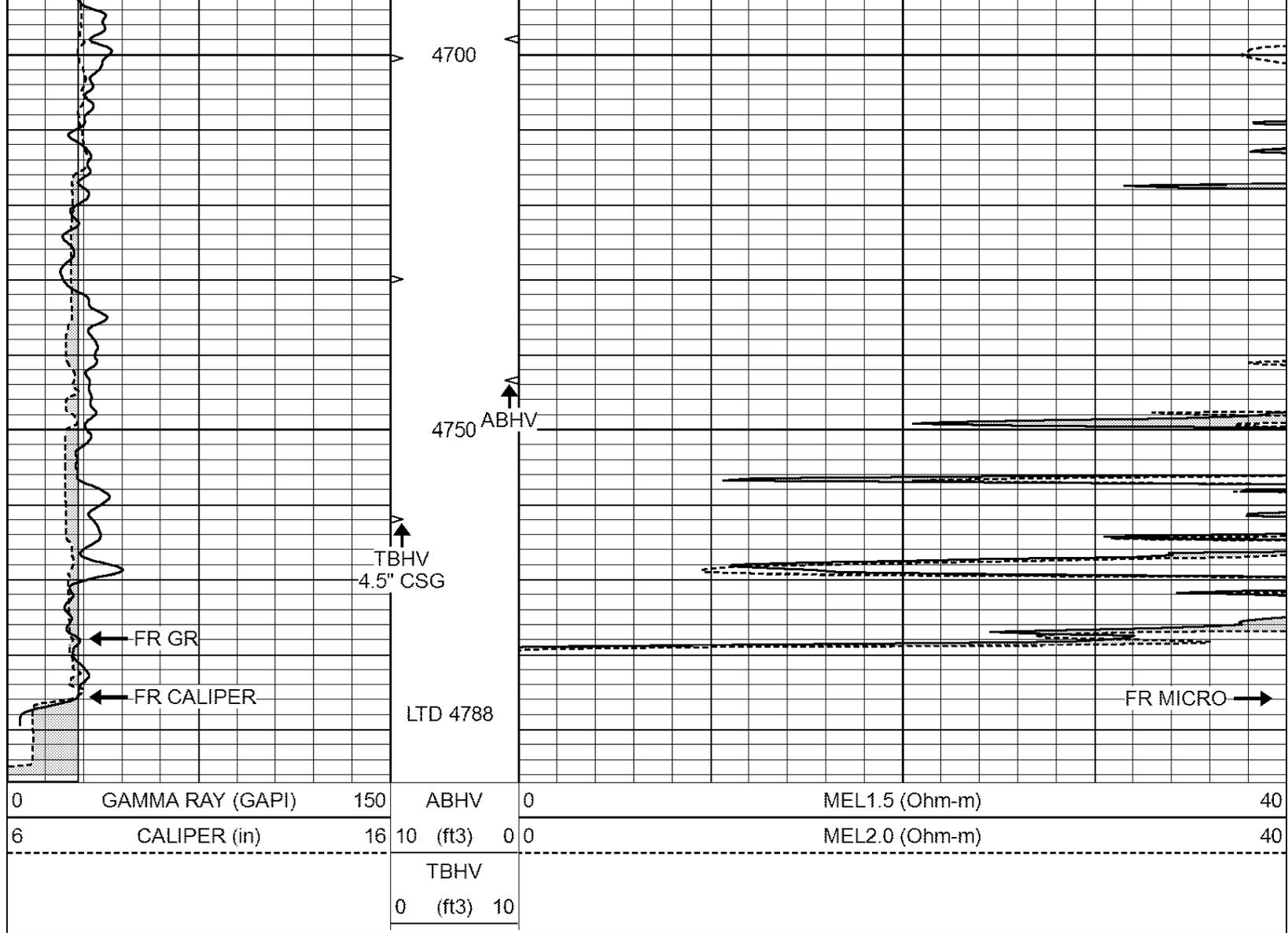
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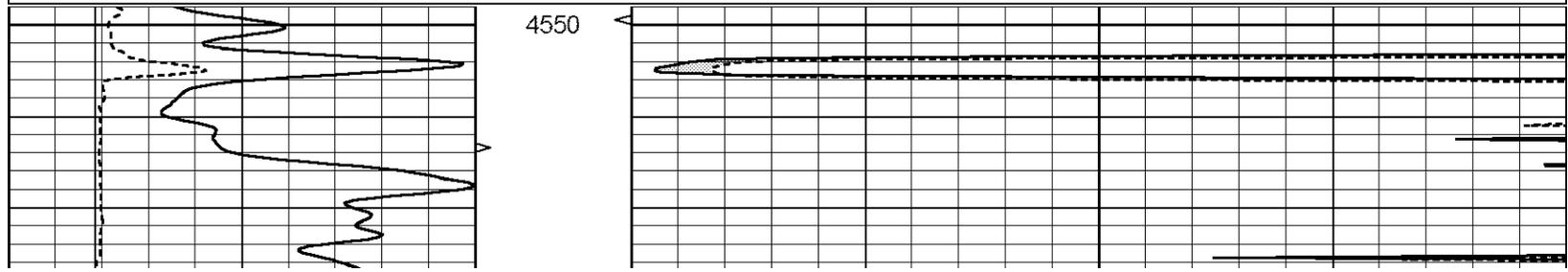


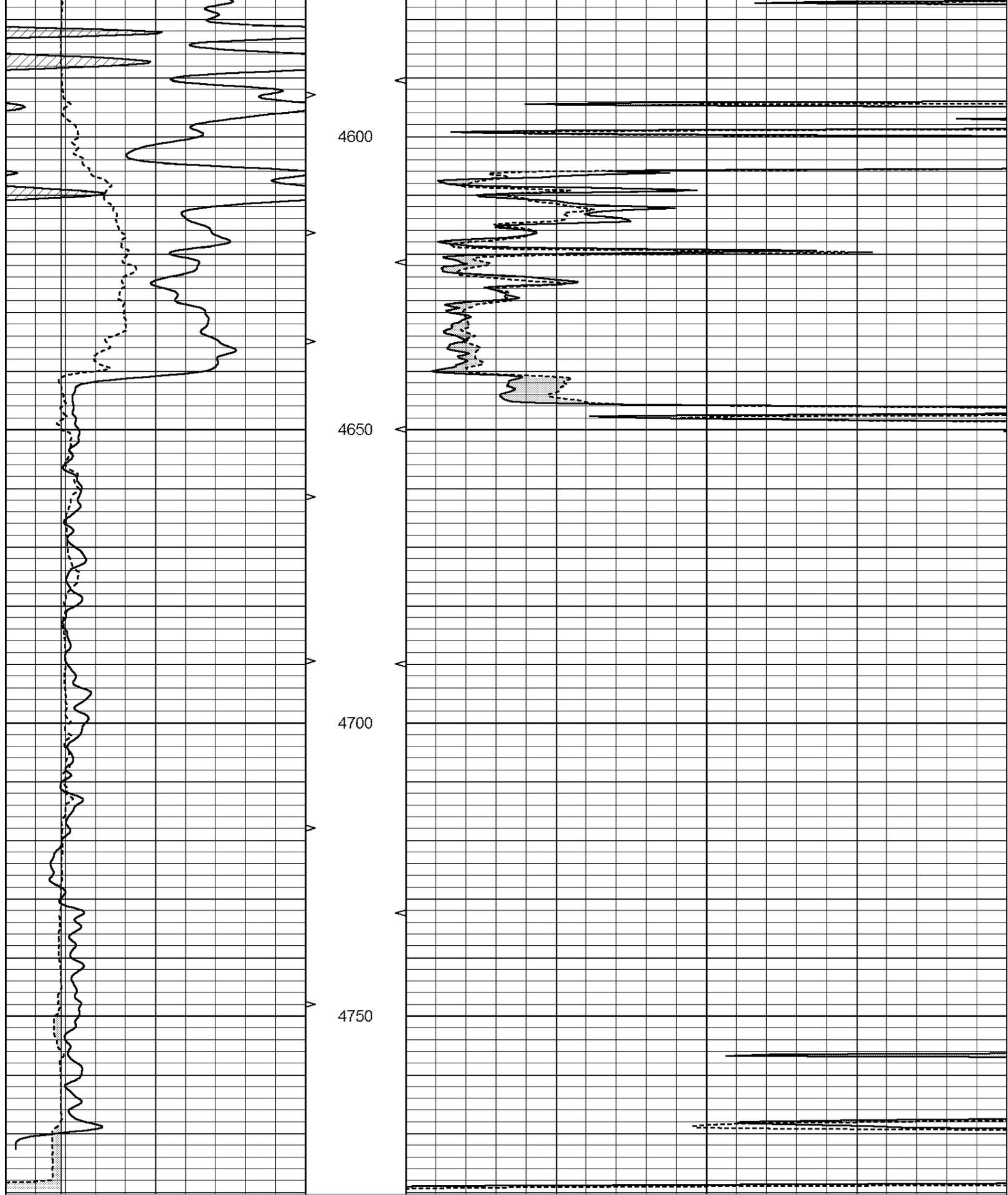


REPEAT SECTION

Database File: 26265ddn.db
 Dataset Pathname: pass5.6
 Presentation Format: _micro
 Dataset Creation: Sat Nov 29 03:10:52 2014 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	20
6	CALIPER (in)	16	10 (ft3)	0 0	MEL2.0 (Ohm-m)	20
			TBHV			
			0 (ft3)	10		





0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	20
6	CALIPER (in)	16	10 (ft3)	0 0	MEL2.0 (Ohm-m)	20
			TBHV			

Calibration Report

Database File: 26265ddn.db
 Dataset Pathname: pass6.2
 Dataset Creation: Sat Nov 29 03:42:40 2014

MICRO Calibration Report

Serial Number: MICRO4
 Tool Model: PROBE
 Performed: Wed Aug 13 17:16:52 2014

Caliper Calibration: Gain=2.000 Offset=-4.400

	Low Cal	High Cal
References	8.600	14.000
Readings	5.934	7.767

1.5" Calibration: Gain=55.000 Offset=-1.600

	Low Cal	High Cal
References	0.000	20.000
Readings	0.013	1.547

2" Calibration: Gain=45.000 Offset=-0.600

	Low Cal	High Cal
References	0.000	20.000
Readings	0.017	1.202

Gamma Ray Calibration Report

Serial Number: GR2
 Tool Model: OPEN
 Performed: Tue Nov 25 21:32:24 2014

Calibrator Value: 200.0 GAPI

Background Reading:	0.0	cps
Calibrator Reading:	740.0	cps

Sensitivity: 0.8000 GAPI/cps