

MICRO LOG

Company DOWNING-NELSON OIL CO., INC.		Company DOWNING-NELSON OIL CO., INC.	
Well RUPP #2-15		Well RUPP #2-15	
Field WILDCAT		Field WILDCAT	
County TREGO		County TREGO	
State KANSAS		State KANSAS	
Location: API # : 15-195-23038-00-00		Other Services SONIC CDL/CNL/DIL	
Permanent Datum SEC 15 TWP 13S RGE 21W		Elevation	
Log Measured From 1070 FNL & 1865 FWL		K.B. 2194	
Drilling Measured From KELLY BUSHING 8' A.G.L.		D.F. 2192	
		G.L. 2186	
Date 02/01/18	Run Number TWO		
Depth Driller	3982		
Depth Logger	3984		
Bottom Logged Interval	3964		
Top Log Interval	3100		
Casing Driller	8 5/8@ 222		
Casing Logger	222		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 6500 PPM	
Density / Viscosity	9.1/56		
pH / Fluid Loss	10.0/7.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.90@56		
Rmt @ Meas. Temp	.66@56		
Rmc @ Meas. Temp	1.08@56		
Source of Rmt / Rmc	MEASURED		
Rm @ BHT	.43@115		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	///		
Maximum Recorded Temperature	115F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	MARC DOWNING		

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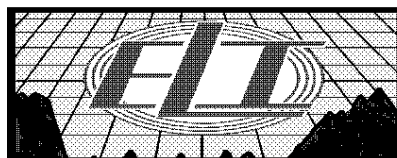
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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, KS. (785) 628-6395

DIRECTIONS

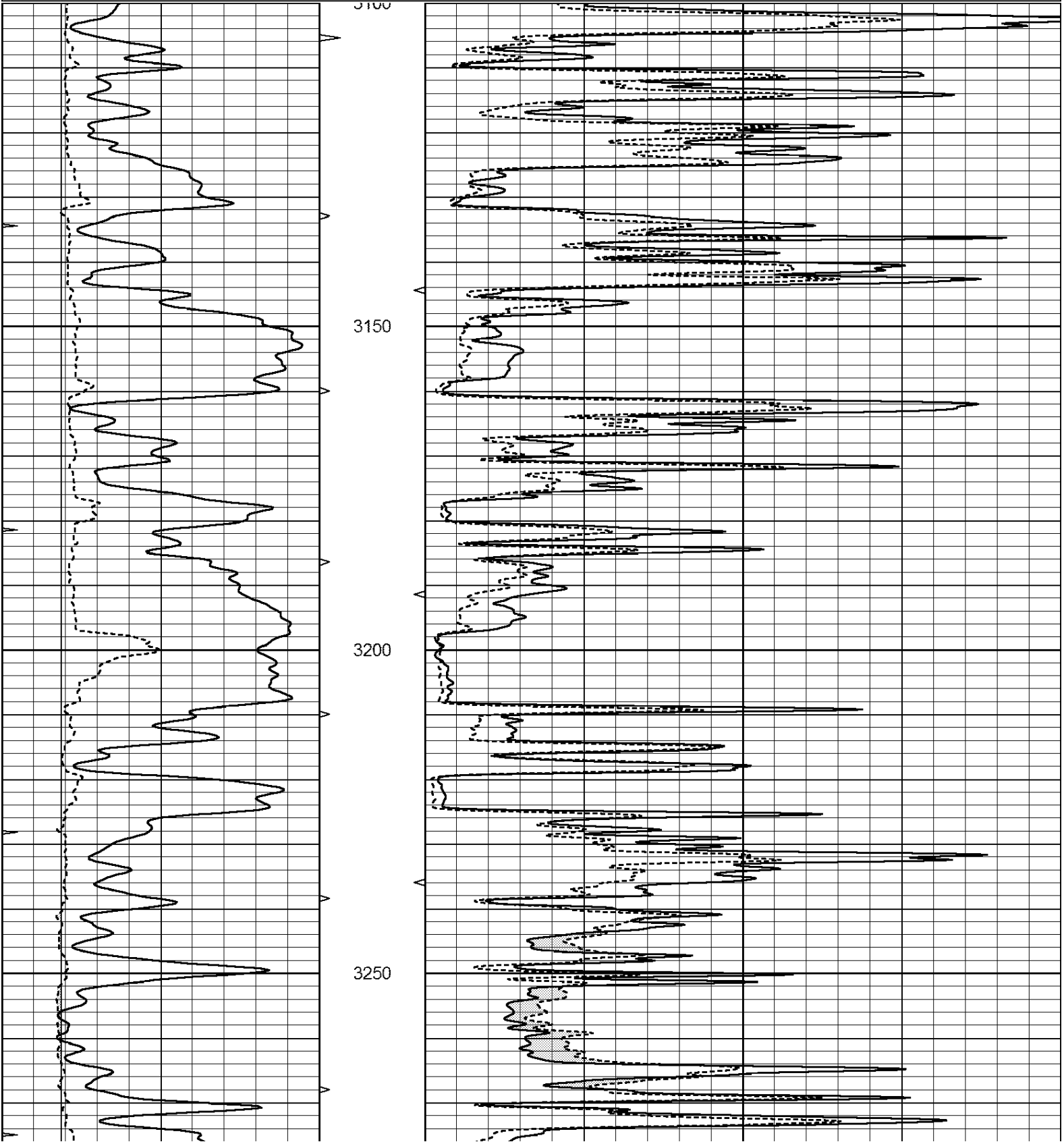
I 70 RIGGA EXIT TO OLD 40, 1 MILE EAST, 1 MILE SOUTH,
3/4 WEST, SOUTH INTO.

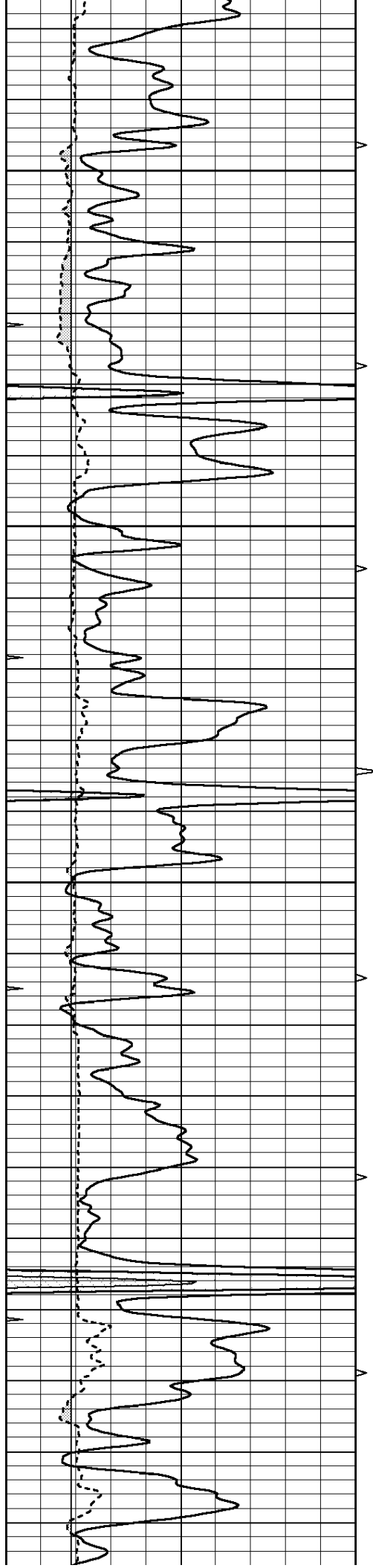


MAIN PASS

Database File: 2404ddn.db
Dataset Pathname: pass6.1
Presentation Format: _micro
Dataset Creation: Thu Feb 01 09:18:10 2018 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
0	MINMK	20	TBHV			
			0 (ft3)	10		



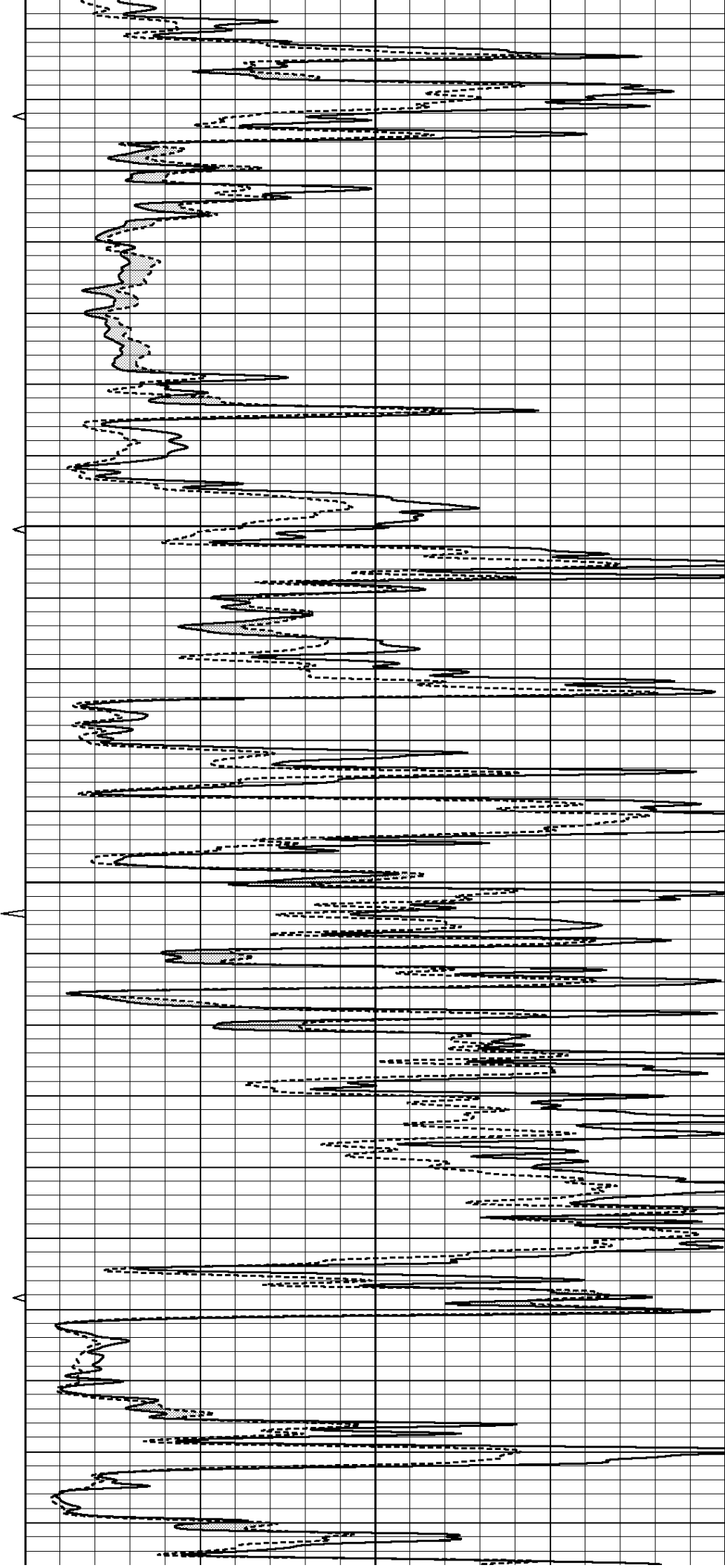


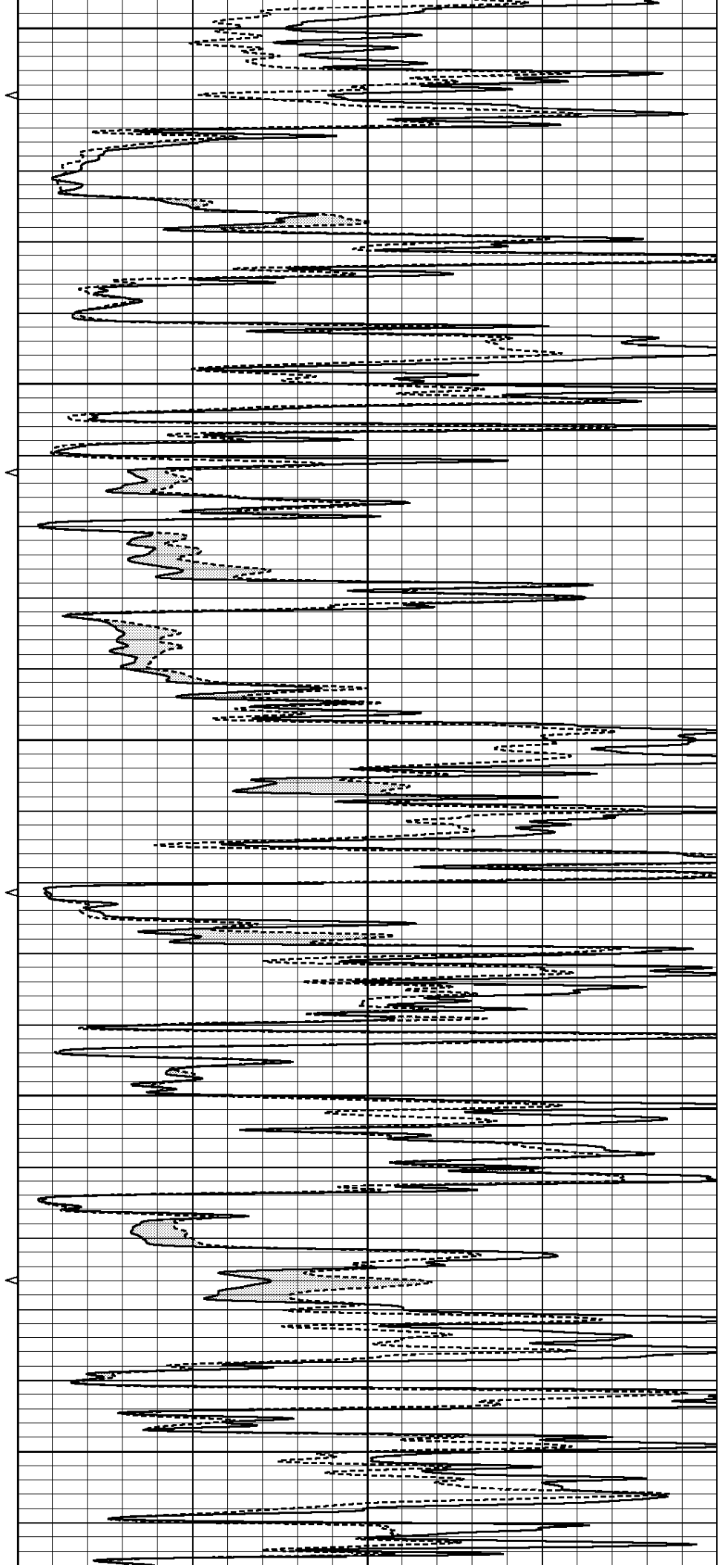
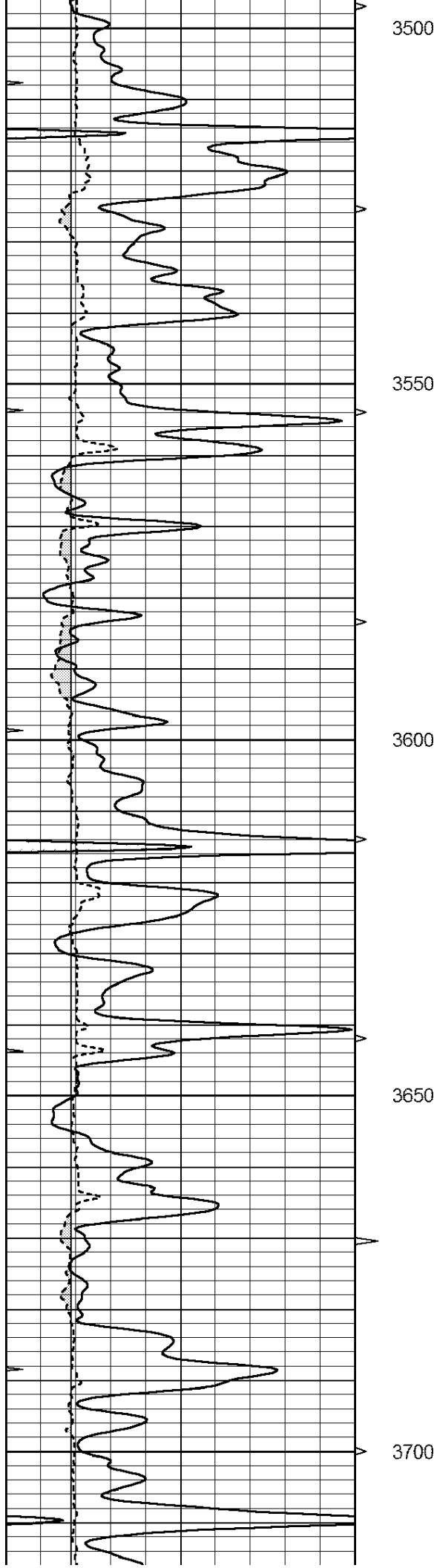
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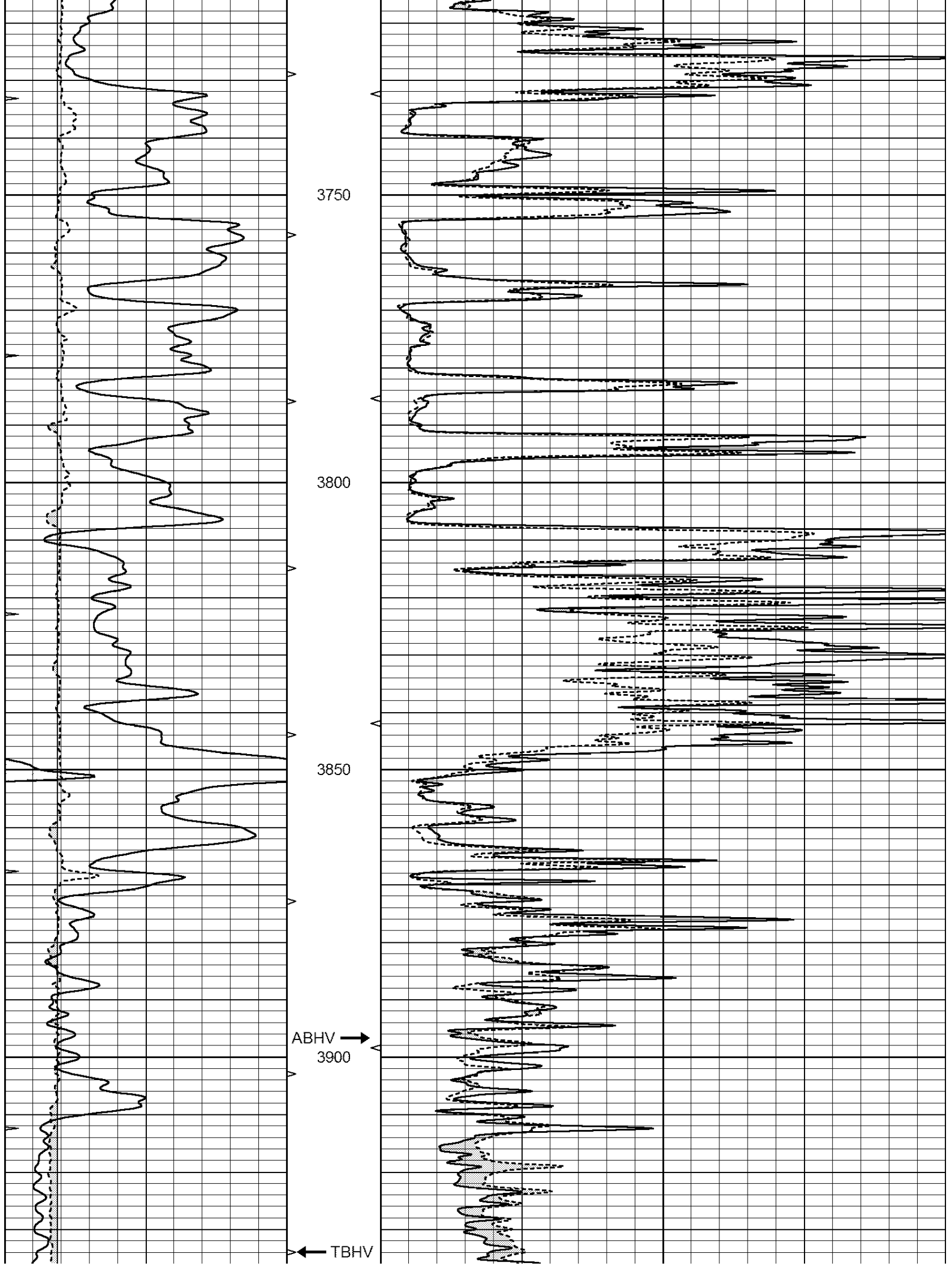
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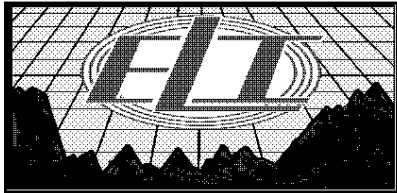
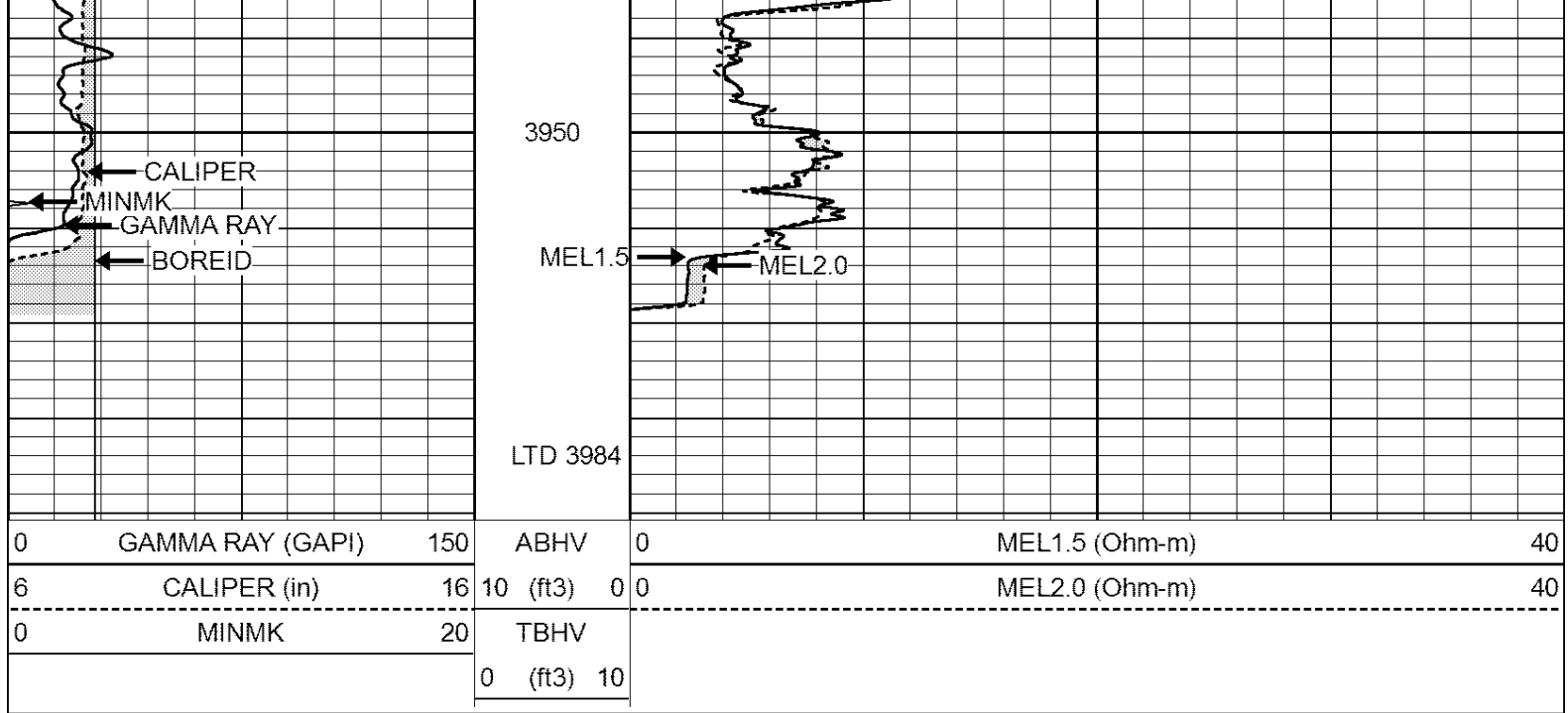
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3450





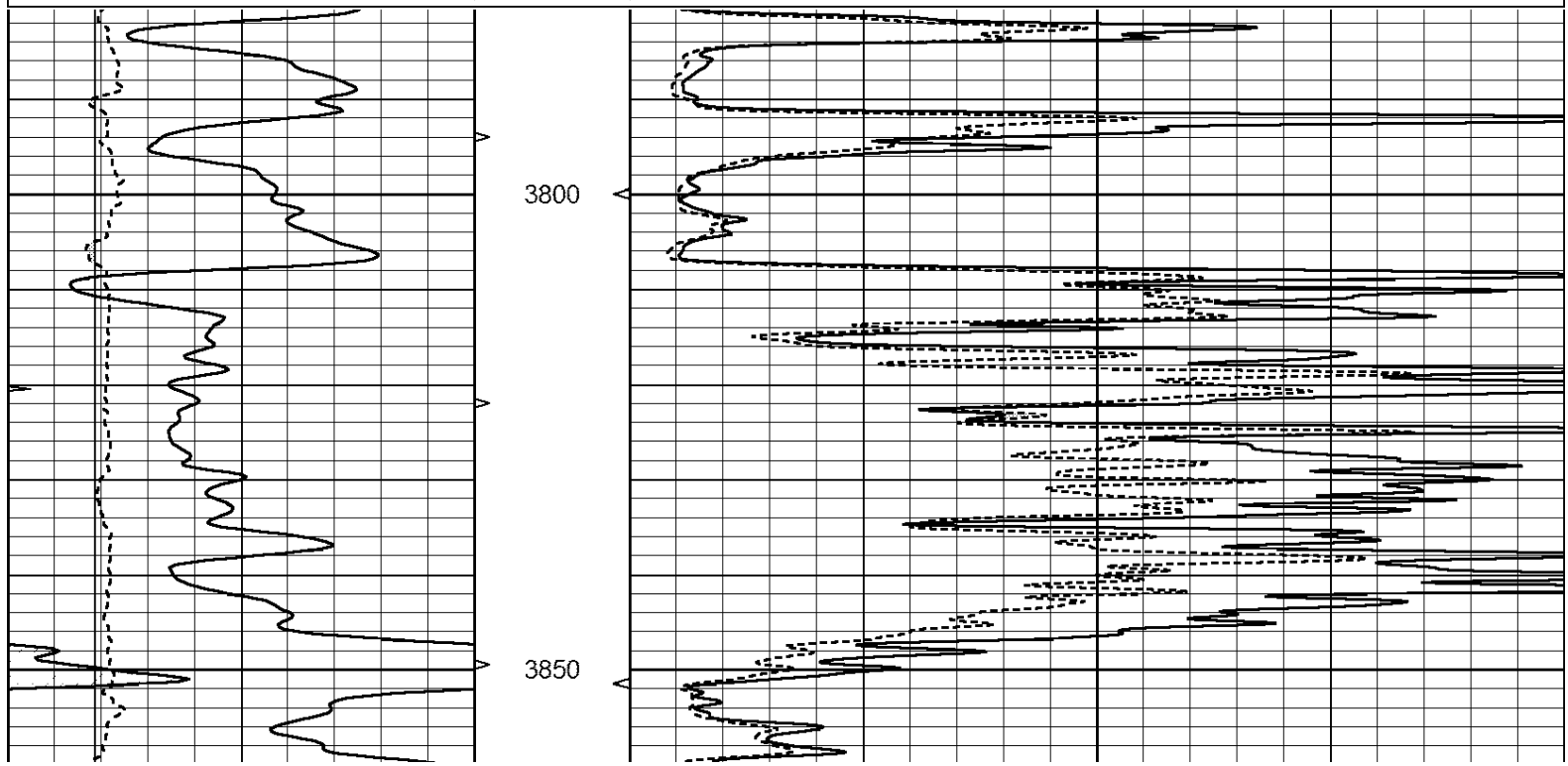


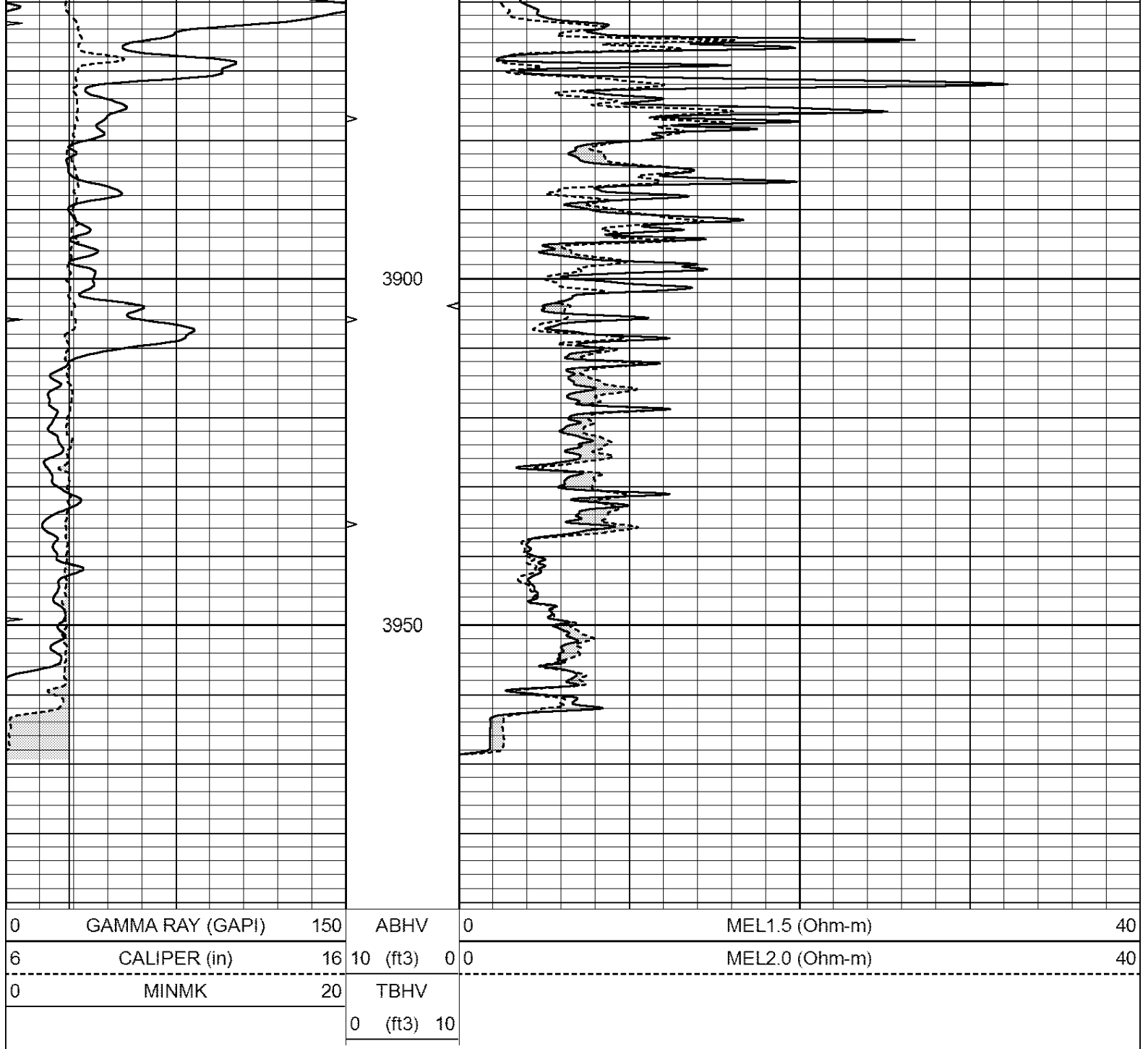


REPEAT SECTION

Database File: 2404ddn.db
 Dataset Pathname: pass4.1
 Presentation Format: _micro
 Dataset Creation: Thu Feb 01 08:42:26 2018 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
0	MINMK	20	TBHV			
			0 (ft3)	10		





Calibration Report			
Database File:	2404ddn.db		
Dataset Pathname:	pass4.1		
Dataset Creation:	Thu Feb 01 08:42:26 2018 by Calc Open-Cased 090629		
MICRO Calibration Report			
Serial Number:	MICRO6		
Tool Model:	PROBE		
Performed:	Thu Feb 01 07:37:39 2018		
Caliper Calibration:	Gain=29.167	Offset=0.000	
	Low Cal	High Cal	
References	7.000	14.000	
Readings	0.240	0.480	
1.5" Calibration:	Gain=32.075	Offset=-0.400	
	Low Cal	High Cal	

References	Low Cal	High Cal
Readings	0.000	20.000
	0.004	1.196
2" Calibration:	Gain=45.000	Offset=-1.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.006	0.913
Gamma Ray Calibration Report		
Serial Number:	GR2	
Tool Model:	OPEN	
Performed:	Wed Aug 16 17:13:40 2017	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.3800	GAPI/cps