

MICRO LOG

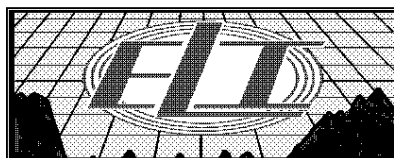
Company		MAI OIL OPERATIONS, INC.	
Well		CHRISTIANSEN #2	
Field		MUELLER	
County		STAFFORD	
State		KANSAS	
Location:		API # : 15-185-24039-0000 1320' FNL & 1773' FVL E/2 - W/2 - E/2 - NW	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 8' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 18 TWP 21S RGE 12W		Elevation K.B. 1872 D.F. 1870 G.L. 1864	
Date	11/14/18	Run Number	TWO
Depth Driller	3700	Depth Logger	3700
Bottom Logged Interval	3698	Top Log Interval	2900
Casing Driller	8 5/8"@700'	Casing Logger	700
Bit Size	7 7/8"	Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.4/57		CHLORIDES 9,000 PPM
pH / Fluid Loss	8.0/14.0	Source of Sample	FLOWLINE
Rim @ Meas. Temp	.400@60F	Rmf @ Meas. Temp	.300@60F
Rmc @ Meas. Temp	.480@60F	Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	.212@113F	Time Circulation Stopped	3.5 HOURS
Time Logger on Bottom	5:00 A.M.	Maximum Recorded Temperature	113F
Equipment Number	922339	Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS	Witnessed By	JIM MUSGROVE

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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

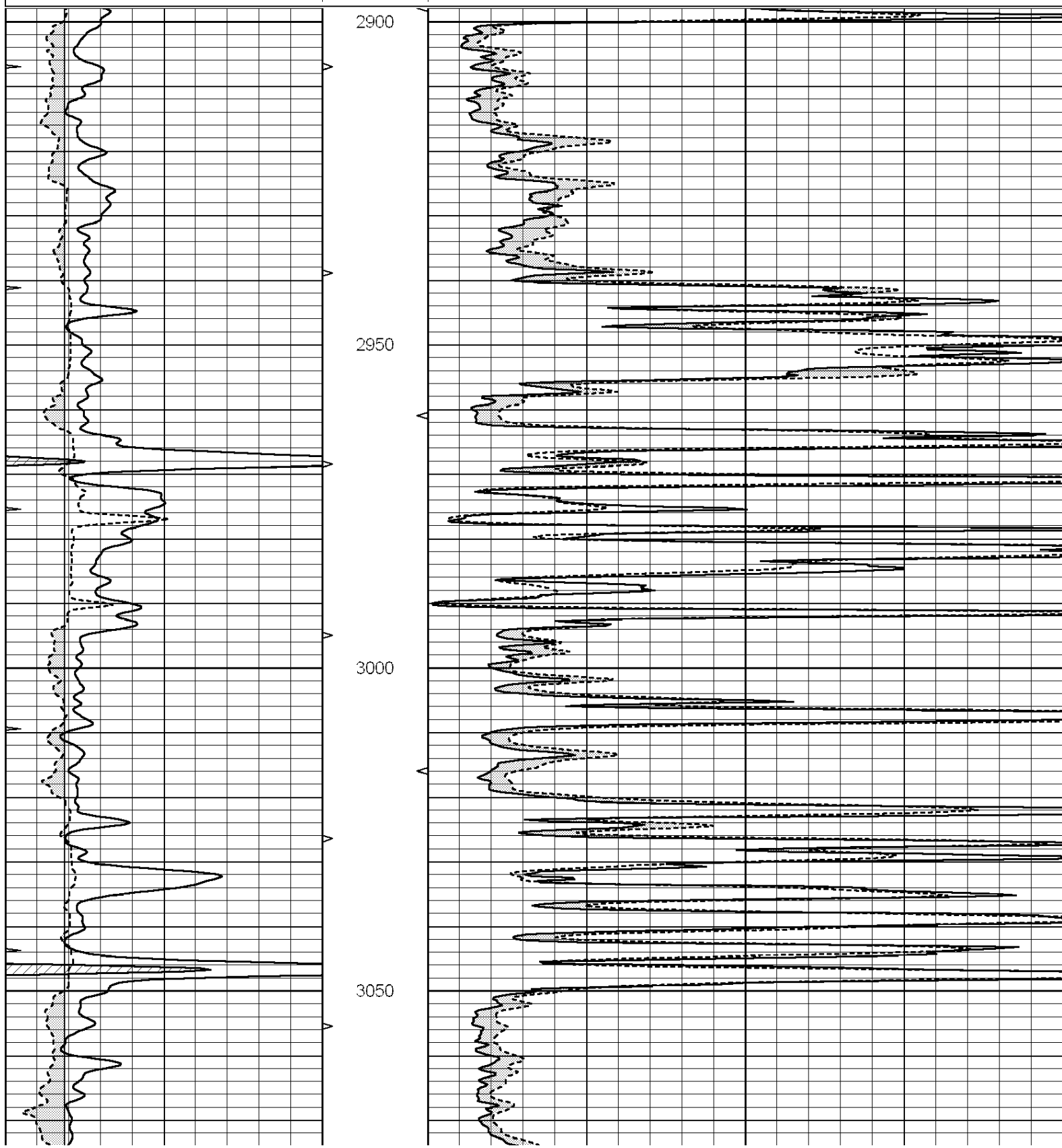
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
GREAT BEND, KS. E. TO DARTMOUTH BLKTOP, 10 S., 1W., 1/4S., E. INTO

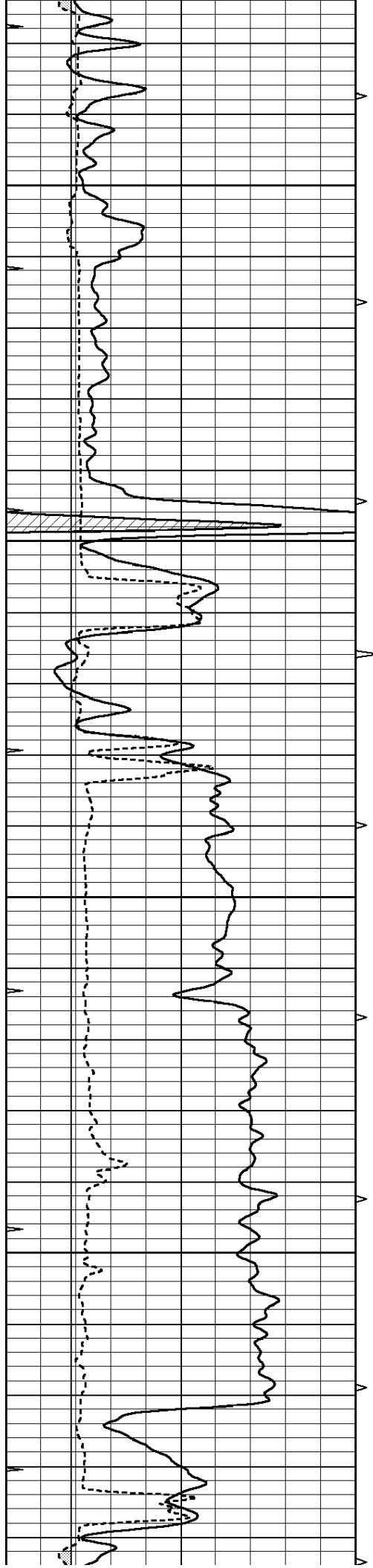


MAIN SECTION

Database File: 3059ddn.db
 Dataset Pathname: pass6.3
 Presentation Format: micro
 Dataset Creation: Wed Nov 14 06:18:59 2018
 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	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		



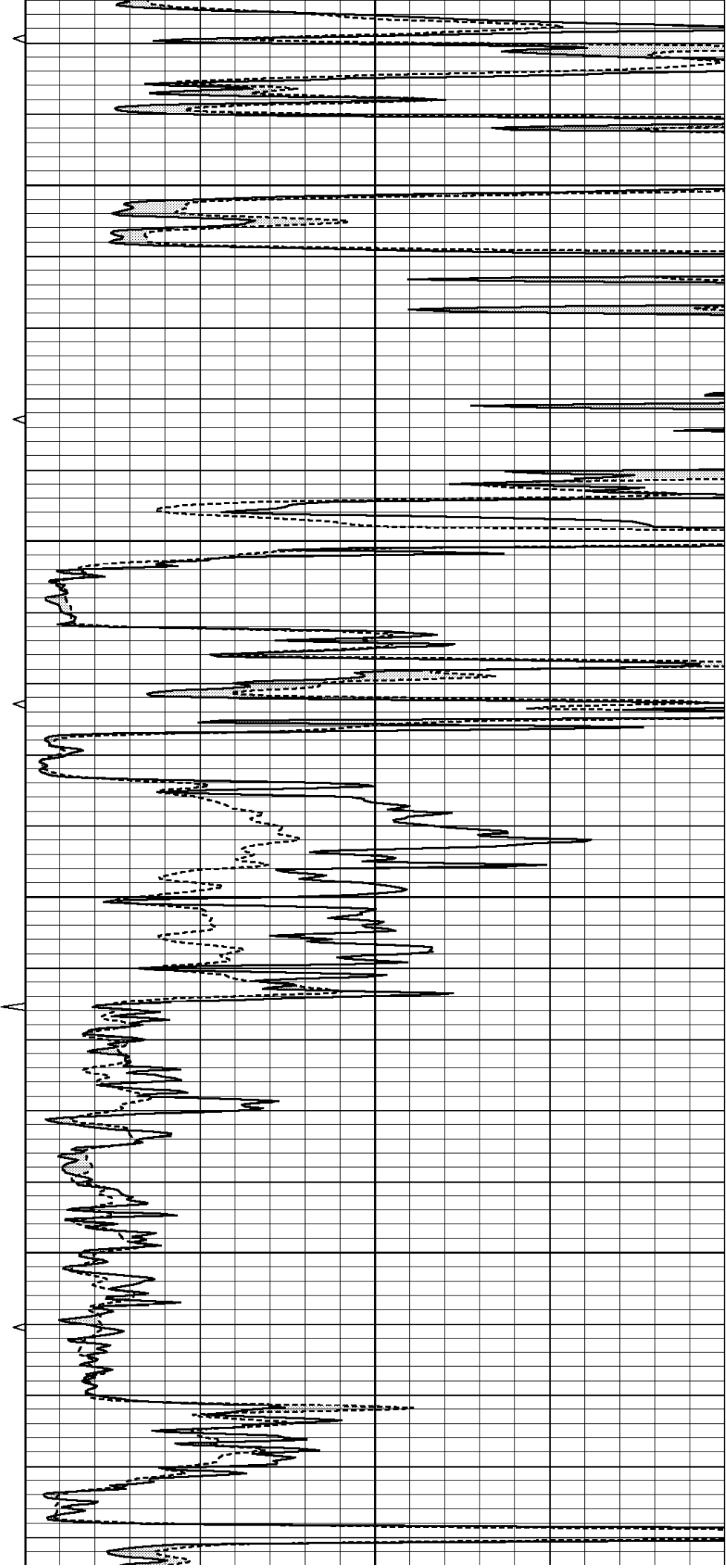


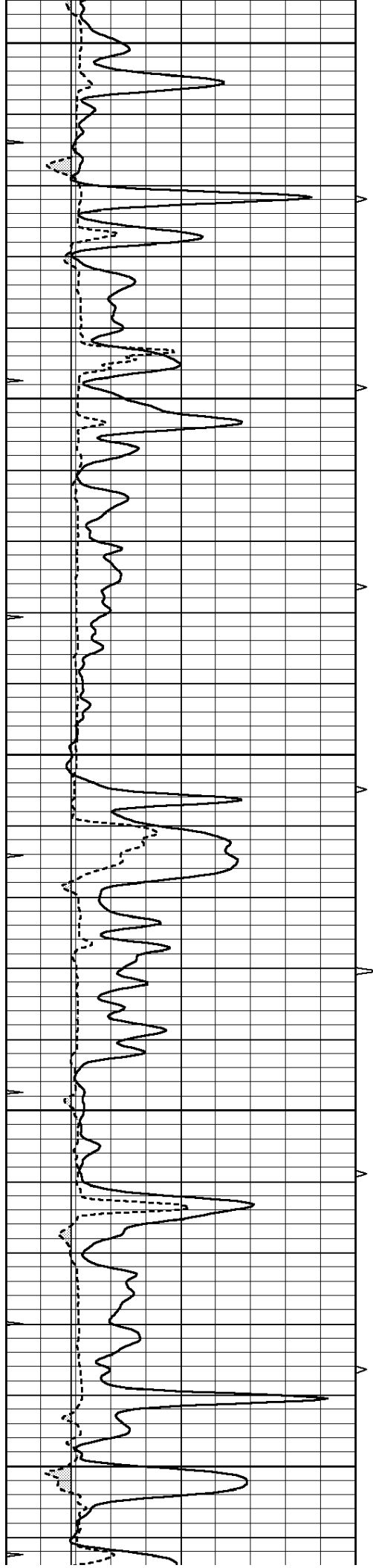
3100

3150

3200

3250





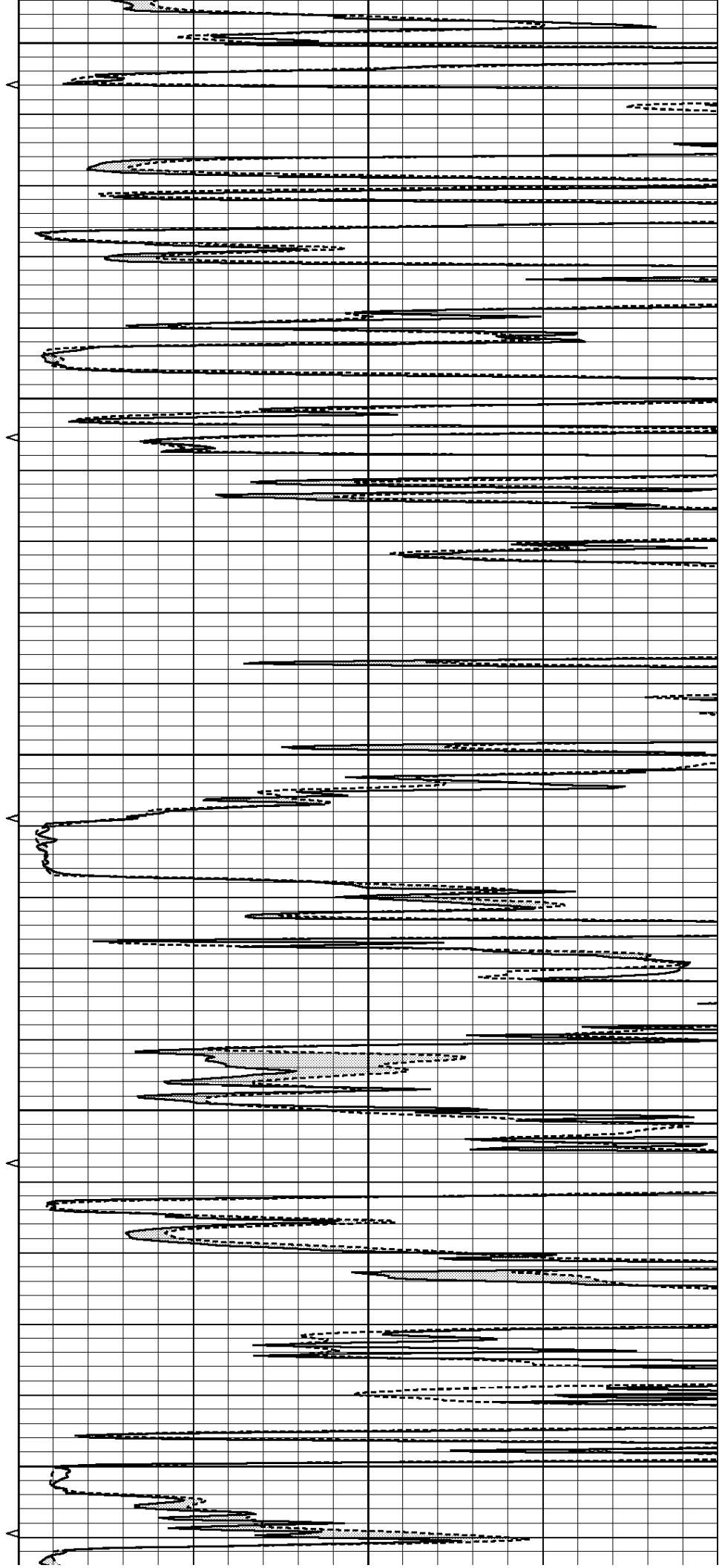
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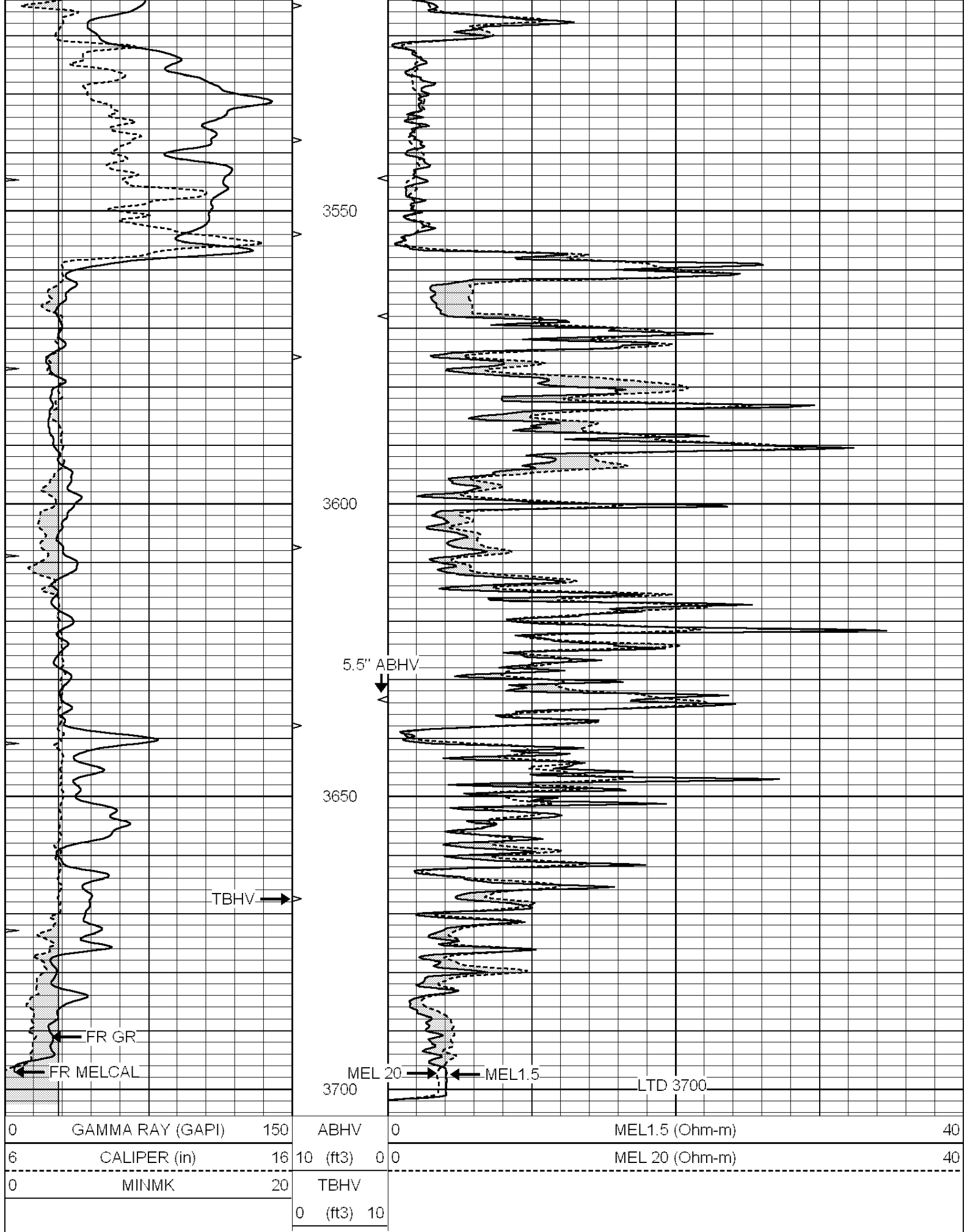
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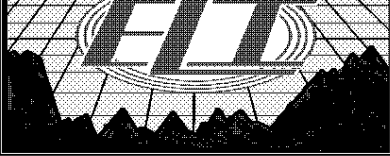
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3450

3500



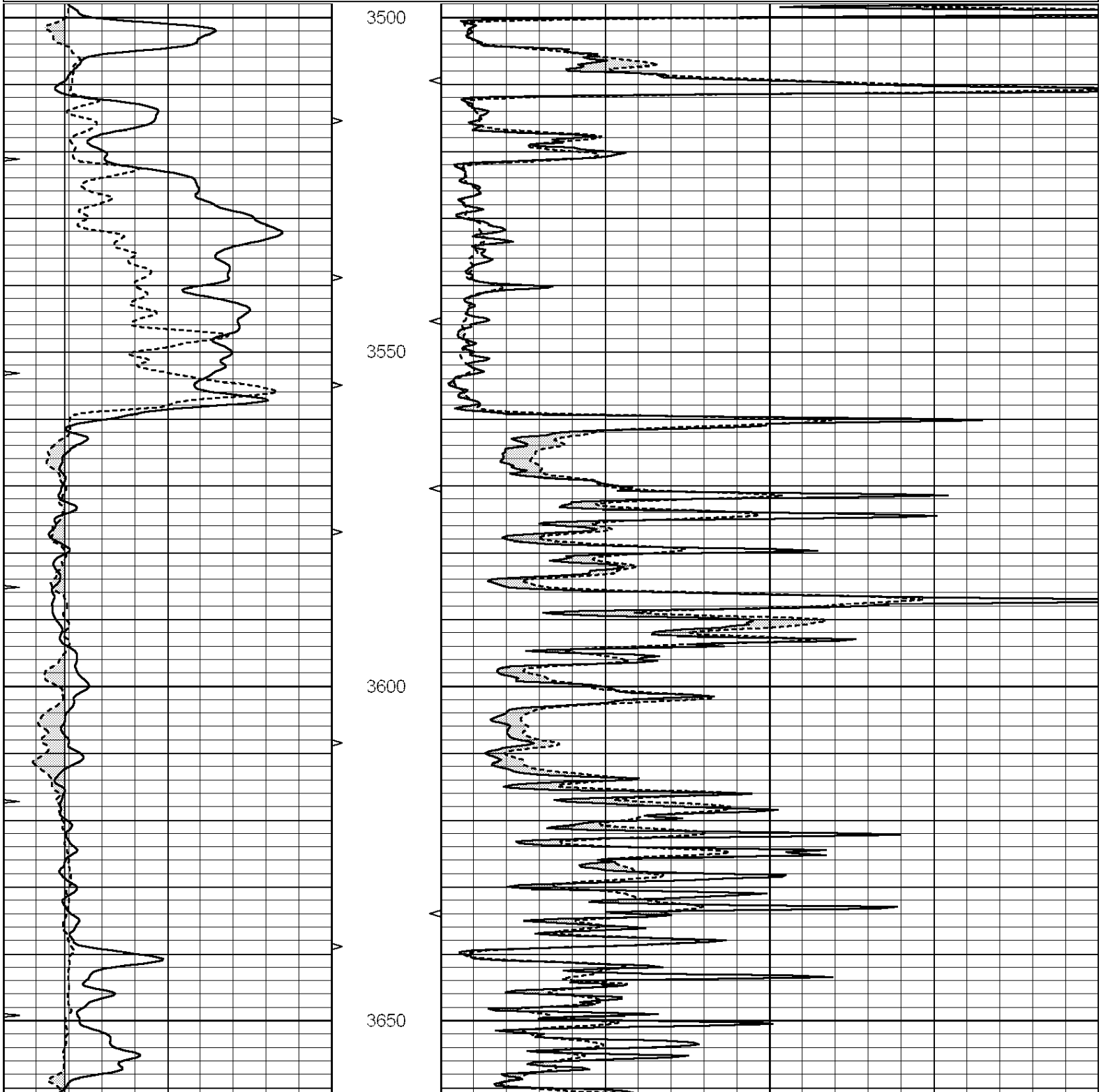


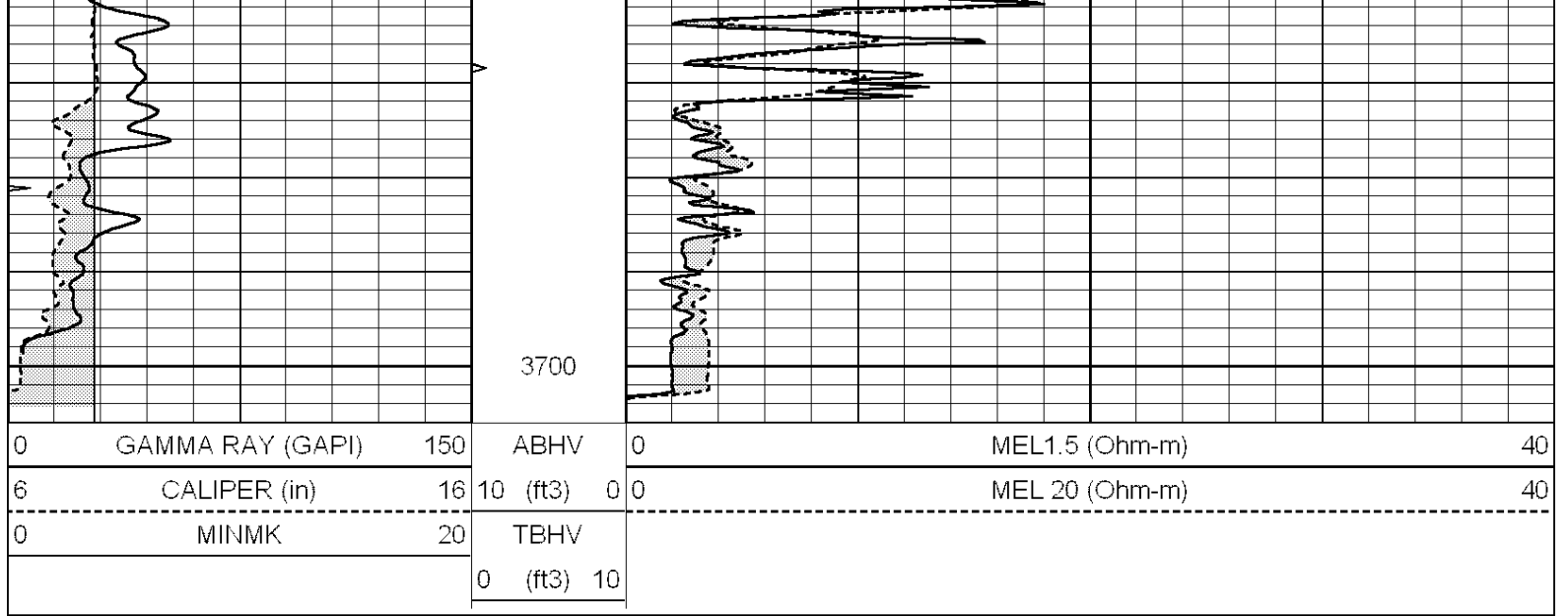


REPEAT SECTION

Database File: 3059ddn.db
Dataset Pathname: pass5.4
Presentation Format: micro
Dataset Creation: Wed Nov 14 05:21:38 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	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		





Calibration Report			
Database File:	3059ddn.db		
Dataset Pathname:	pass6.2		
Dataset Creation:	Wed Nov 14 05:58:03 2018		
MICRO Calibration Report			
Serial Number:	070911		
Tool Model:	ProbeN		
Performed:	Thu Nov 08 22:13:12 2018		
Caliper Calibration:	Gain=4.537	Offset=1.512	
	Low Cal	High Cal	
References	8.000	20.000	
Readings	1.430	4.075	
1.5" Calibration:	Gain=60.000	Offset=-0.800	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.001	1.240	
2" Calibration:	Gain=70.000	Offset=-1.000	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.001	1.076	
Gamma Ray Calibration Report			
Serial Number:	070559		
Tool Model:	OPEN_GR		
Performed:	Wed Nov 07 08:33:43 2018		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.2300	GAPI/cps	