

MICRO LOG

Company	K&N PETROLEUM, INC.		
Well	NORMAN KLEPPER #A2		
Field	HEYEN		
County	STAFFORD	State	KANSAS
Location:	AP1 # : 15-185-24061-0000 SW-NE-SE-SW 962' FSL & 2259' FWL		Other Services CDL/CNL/DIL
Permanent Datum	SEC 17	TWP 22S	RGE 11W
Log Measured From	GROUND LEVEL Elevation 1826		
Drilling Measured From	KELLY BUSHING 10' A.G.L. KELLY BUSHING		
Elevation	K.B. 1836 D.F. 1834 G.L. 1826		
Date	10/17/19		
Run Number	TWO		
Depth Driller	3700		
Depth Logger	3701		
Bottom Logged Interval	3700		
Top Log Interval	2900		
Casing Driller	8 5/8" @ 433		
Casing Logger	433		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.0/49		
pH / Fluid Loss	10.0/10.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.30 @ 72F		
Rmt @ Meas. Temp	.23 @ 72F		
Rmc @ Meas. Temp	.36 @ 72F		
Source of Rmt / Rmc	MEASURED		
Rm @ BHT	.19 @ 113F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	///		
Maximum Recorded Temperature	113F		
Equipment Number	1523		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	WYATT URBAN		

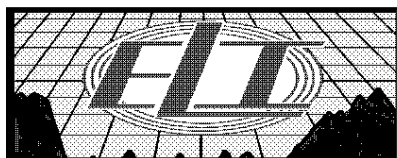
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on 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

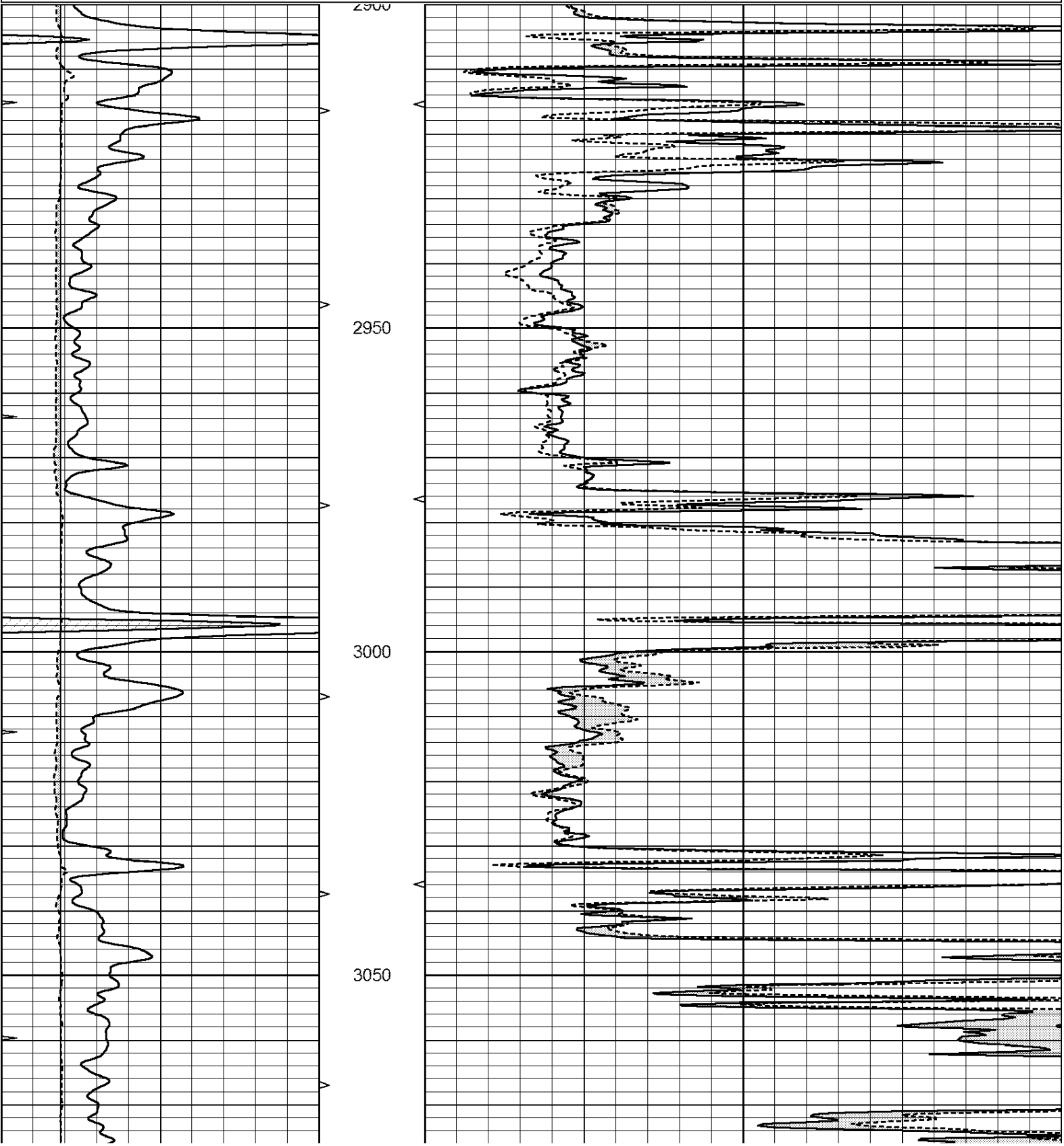
DIRECTIONS
IKE & JOES CORNER 1 SOUTH,
2 3/4 EAST, SOUTH INTO.

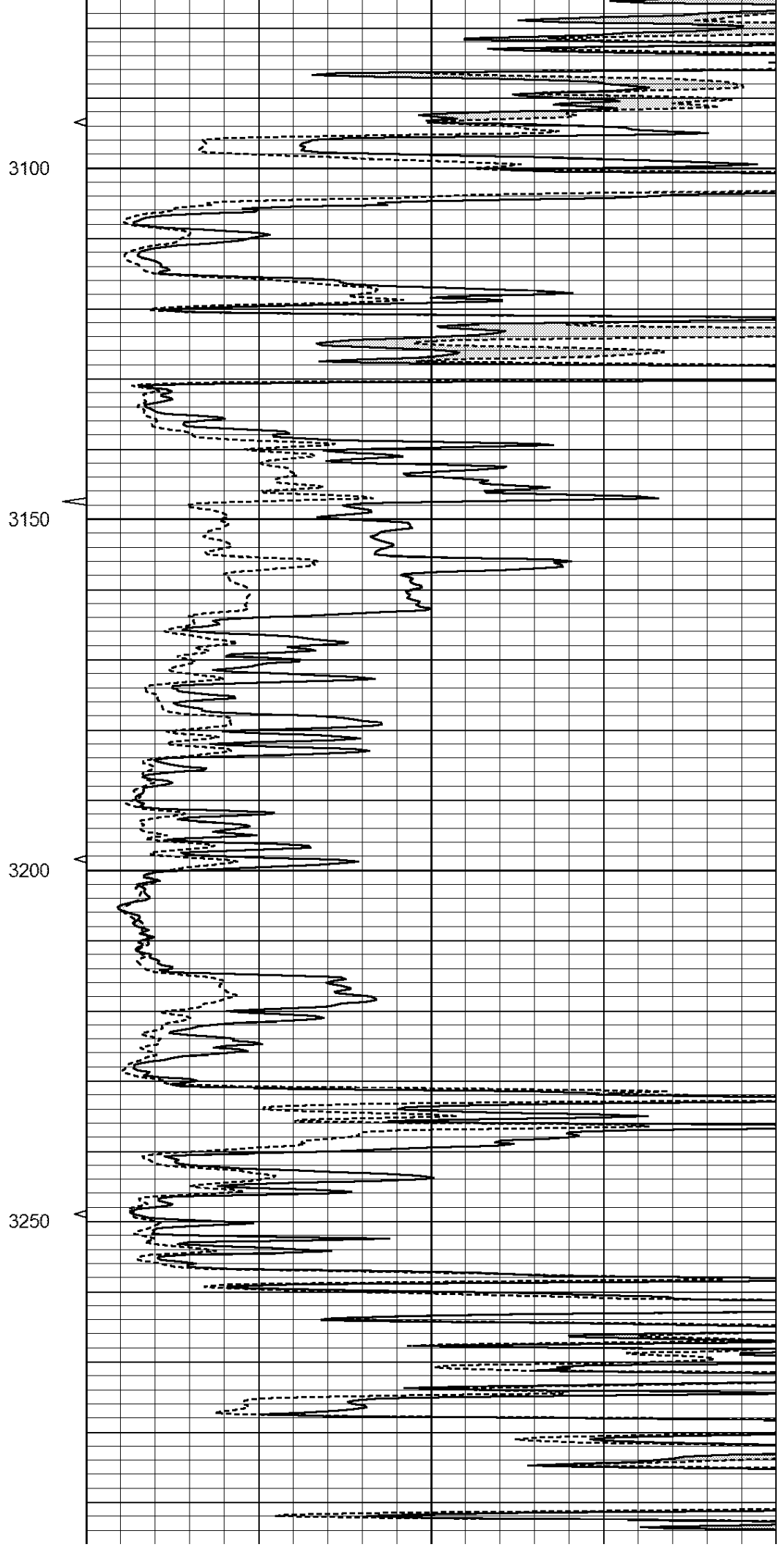
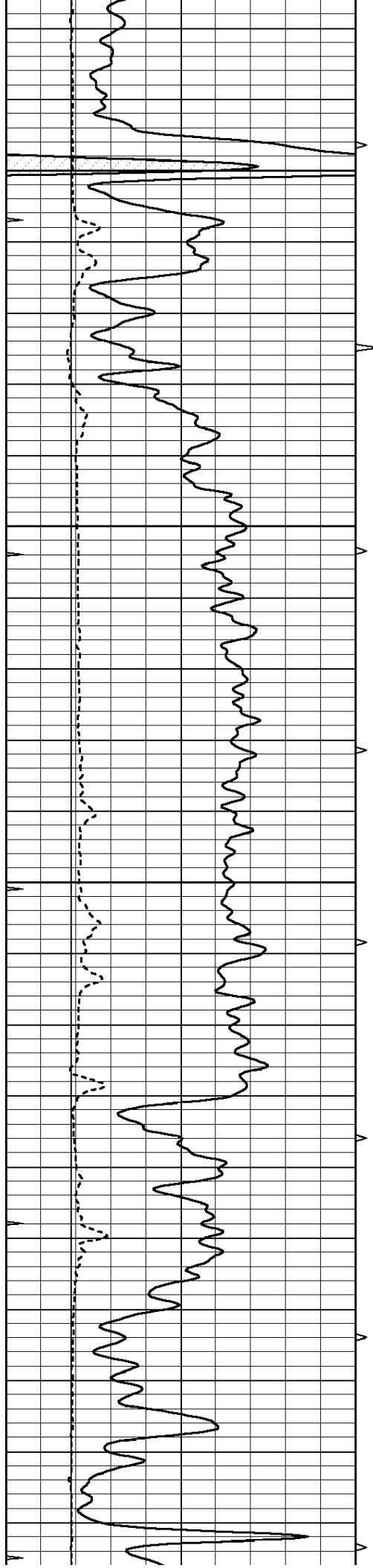


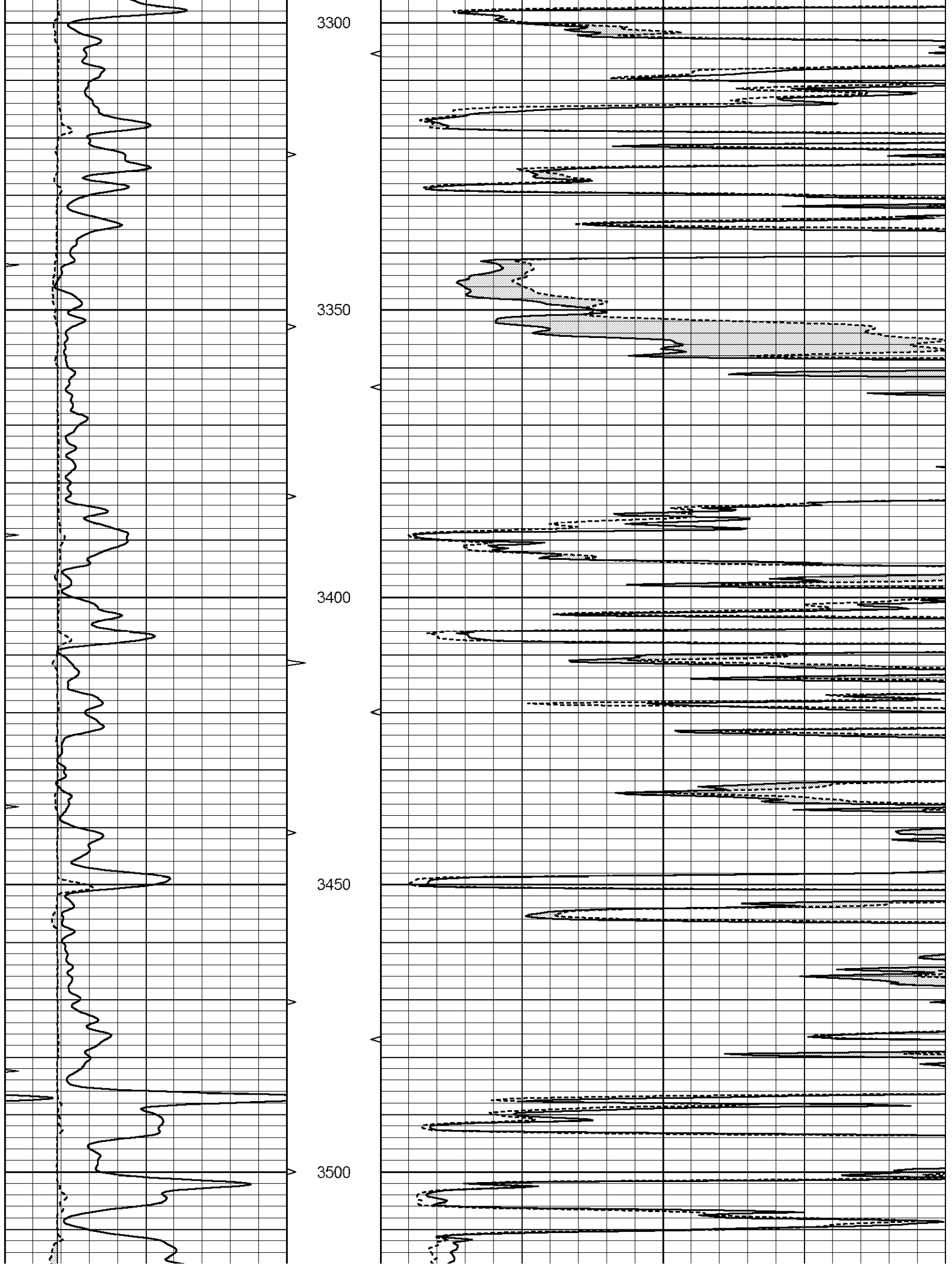
MAIN PASS

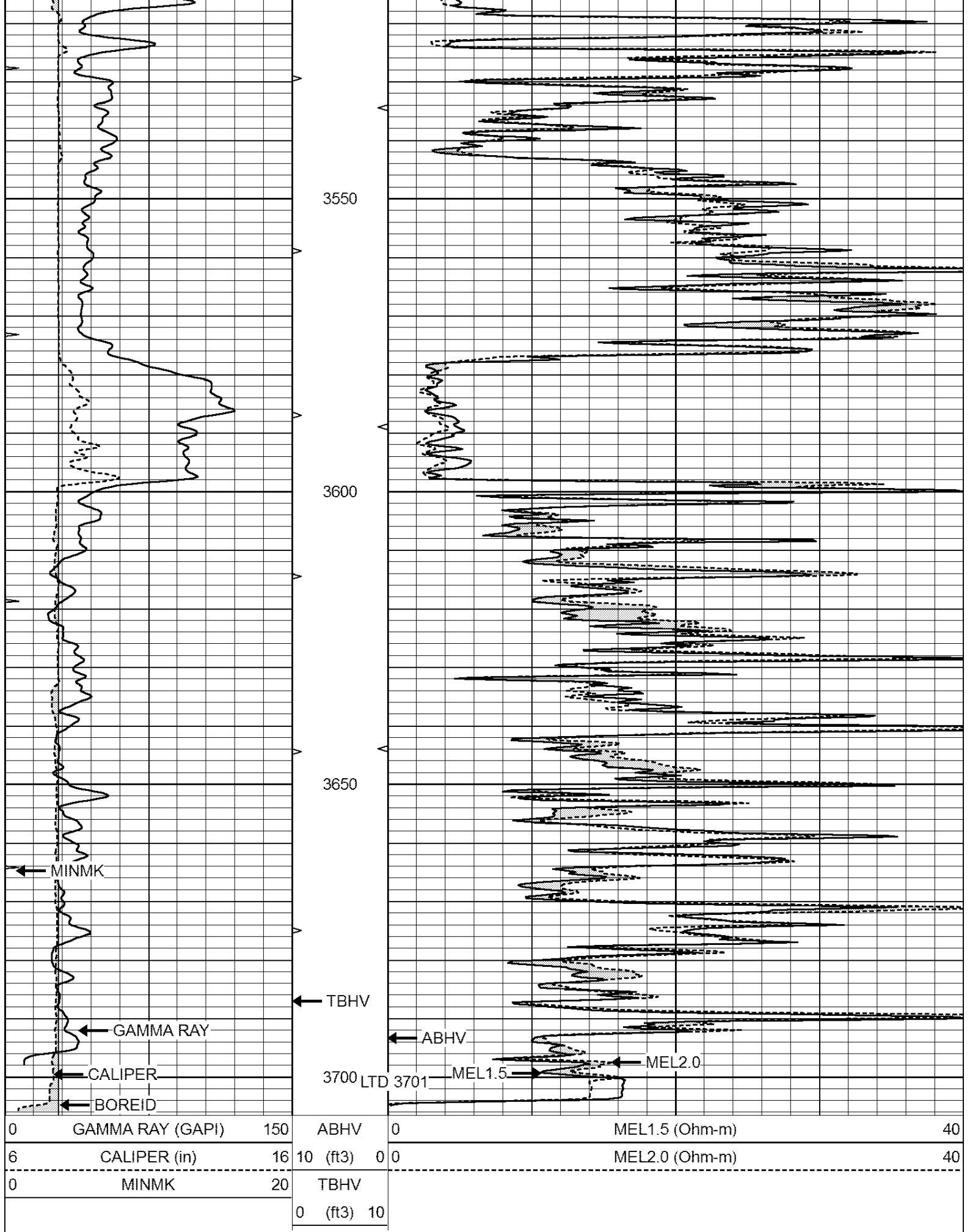
Database File: 4099pe.db
Dataset Pathname: pass6.1
Presentation Format: _micro
Dataset Creation: Thu Oct 17 11:26:01 2019 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

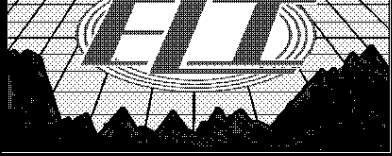
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		







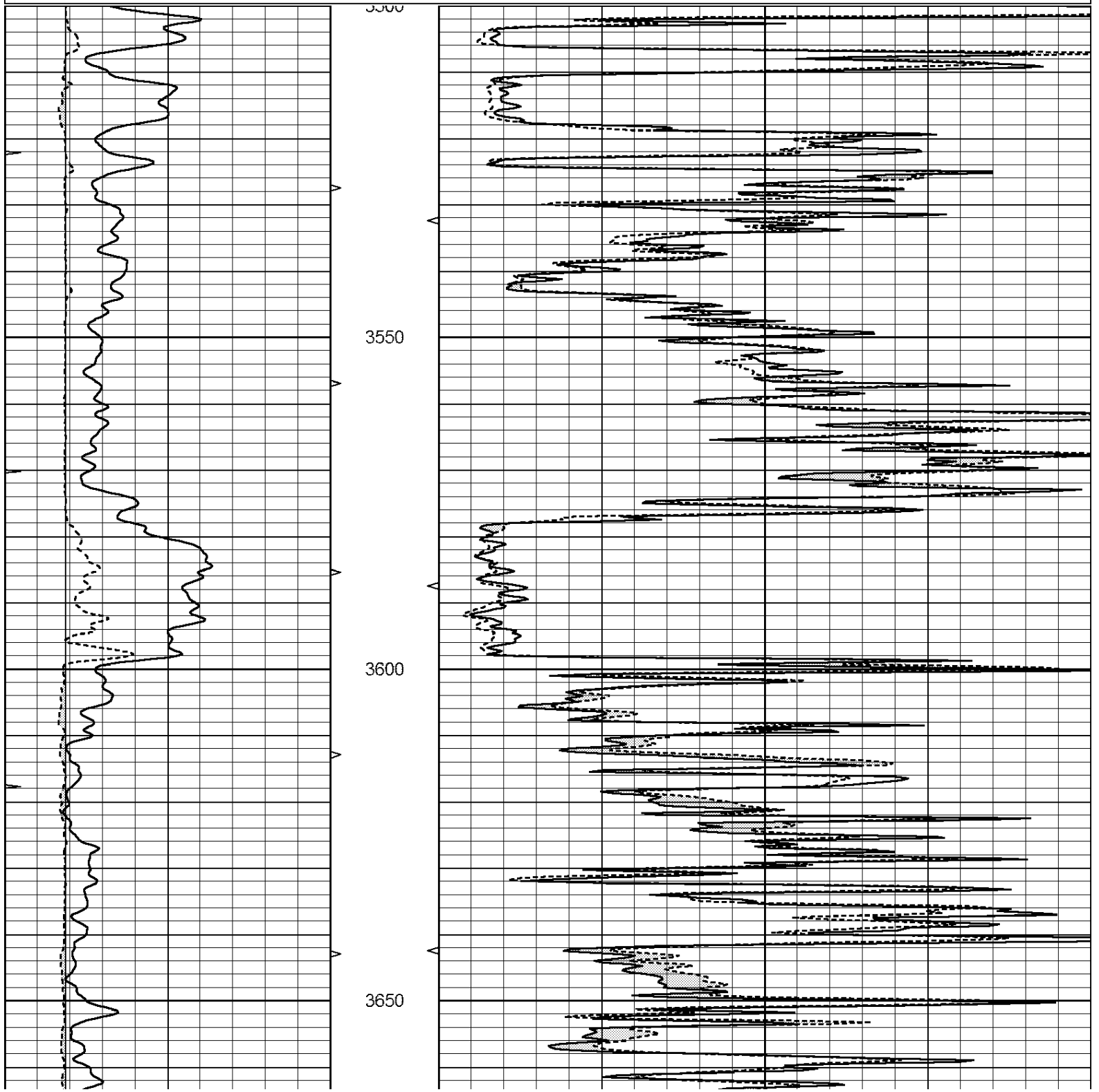


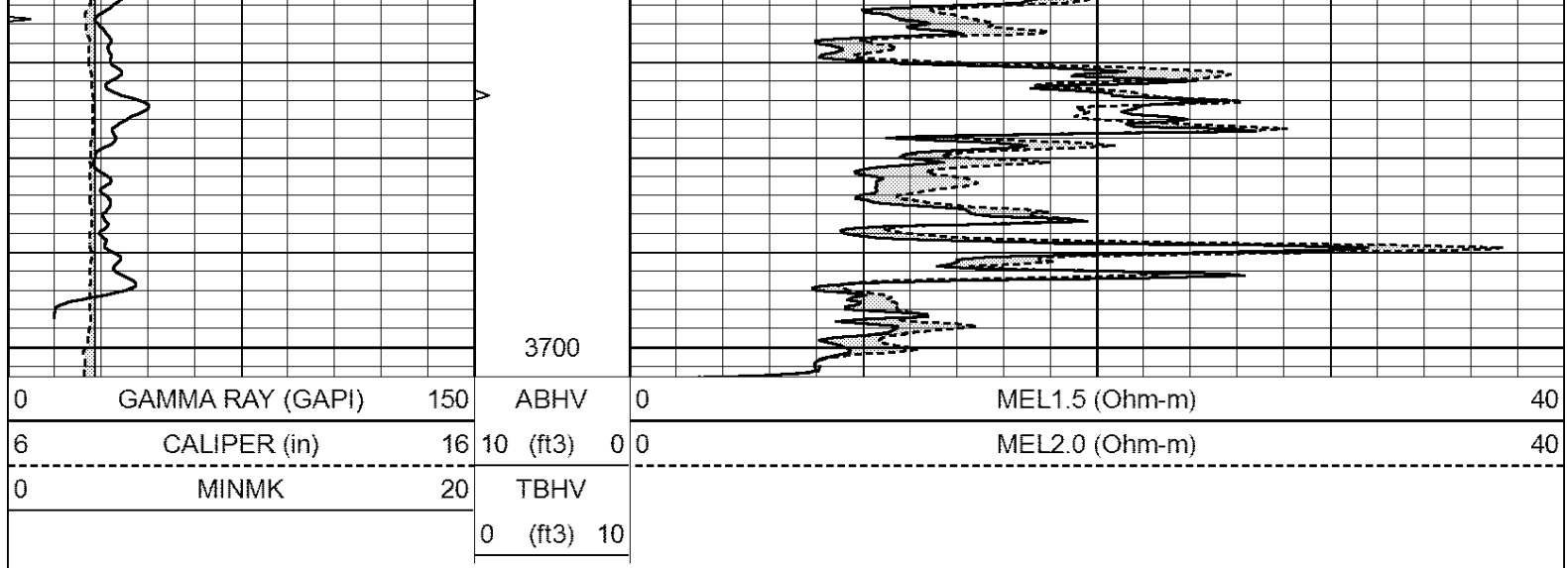


REPEAT SECTION

Database File: 4099pe.db
Dataset Pathname: pass5
Presentation Format: _micro
Dataset Creation: Thu Oct 17 10:58:26 2019 by Log 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	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		





Calibration Report

Database File: 4099pe.db
 Dataset Pathname: pass5
 Dataset Creation: Thu Oct 17 10:58:26 2019 by Log Open-Cased 090629

MICRO Calibration Report

Serial Number:	Micro1	
Tool Model:	ProbeL	
Performed:	Thu Sep 12 10:50:26 2019	
Caliper Calibration:	Gain=2.030	Offset=6.475
References	Low Cal	High Cal
Readings	9.500	13.000
	0.308	2.032
1.5" Calibration:	Gain=56.134	Offset=0.200
References	Low Cal	High Cal
Readings	0.000	20.000
	0.004	0.832
2" Calibration:	Gain=52.000	Offset=-0.300
References	Low Cal	High Cal
Readings	0.000	20.000
	0.022	0.793

Gamma Ray Calibration Report

Serial Number:	GR5	
Tool Model:	OPEN	
Performed:	Thu Sep 12 10:48:02 2019	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.5500	GAPI/cps