

MICRO LOG

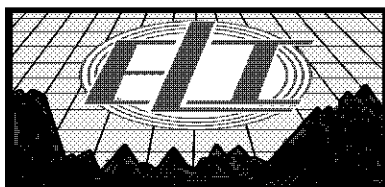
Company	PHILLIPS EXPLORATION COMPANY, L.C.	Company	PHILLIPS EXPLORATION COMPANY, L.C.
Well	GEYER #3 OK	Well	GEYER #3 OK
Field		Field	
County	TREGO	County	TREGO
State	KANSAS	State	KANSAS
Location:	API # : 15-195-23076-0000	Other Services CDL/CNL DIL	
Permanent Datum	990' FSL & 1650' FWL	Elevation	
Log Measured From	GROUND LEVEL	K.B. 2310	
Drilling Measured From	KELLY BUSHING 5' A.G.L	D.F. 2308	
		G.L. 2305	
Date	12/12/18		
Run Number	TWO		
Depth Driller	3982		
Depth Logger	3984		
Bottom Logged Interval	3982		
Top Log Interval	3000		
Casing Driller	8 5/8" @ 217		
Casing Logger	216		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5300 PPM	
Density / Viscosity	9.1/51		
pH / Fluid Loss	10.5/7.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.65 @ 58F		
Rmf @ Meas. Temp	.48 @ 58F		
Rmc @ Meas. Temp	.78 @ 58F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.36 @ 116F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	116F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	JASON CAPELLUCCI		
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

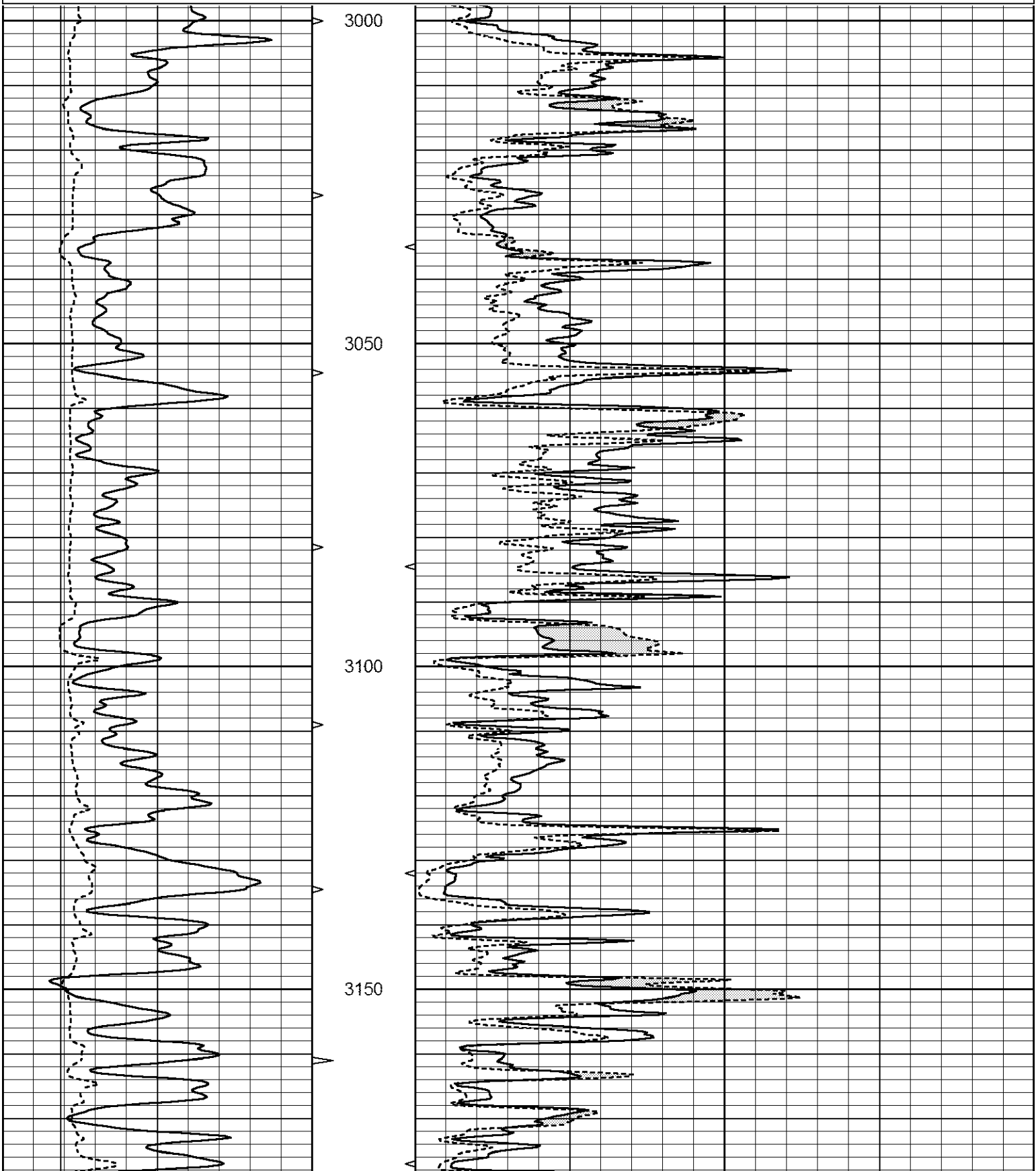
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
WAKEENEY, KS. - NORTH TO SALINE RIVER - 1 NORTH OF RIVER TO RD. B
5 1/2 WEST - NORTH INTO

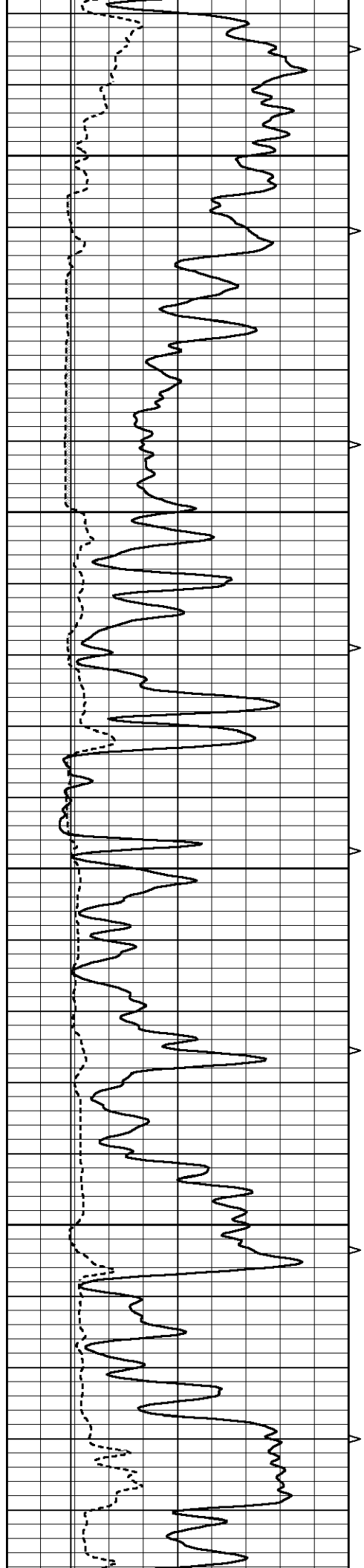


MAIN SECTION

Database File	3428ddn8.db
Dataset Pathname	pass7.1
Presentation Format	_micro
Dataset Creation	Wed Dec 12 09:30:35 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 0	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3)	10		



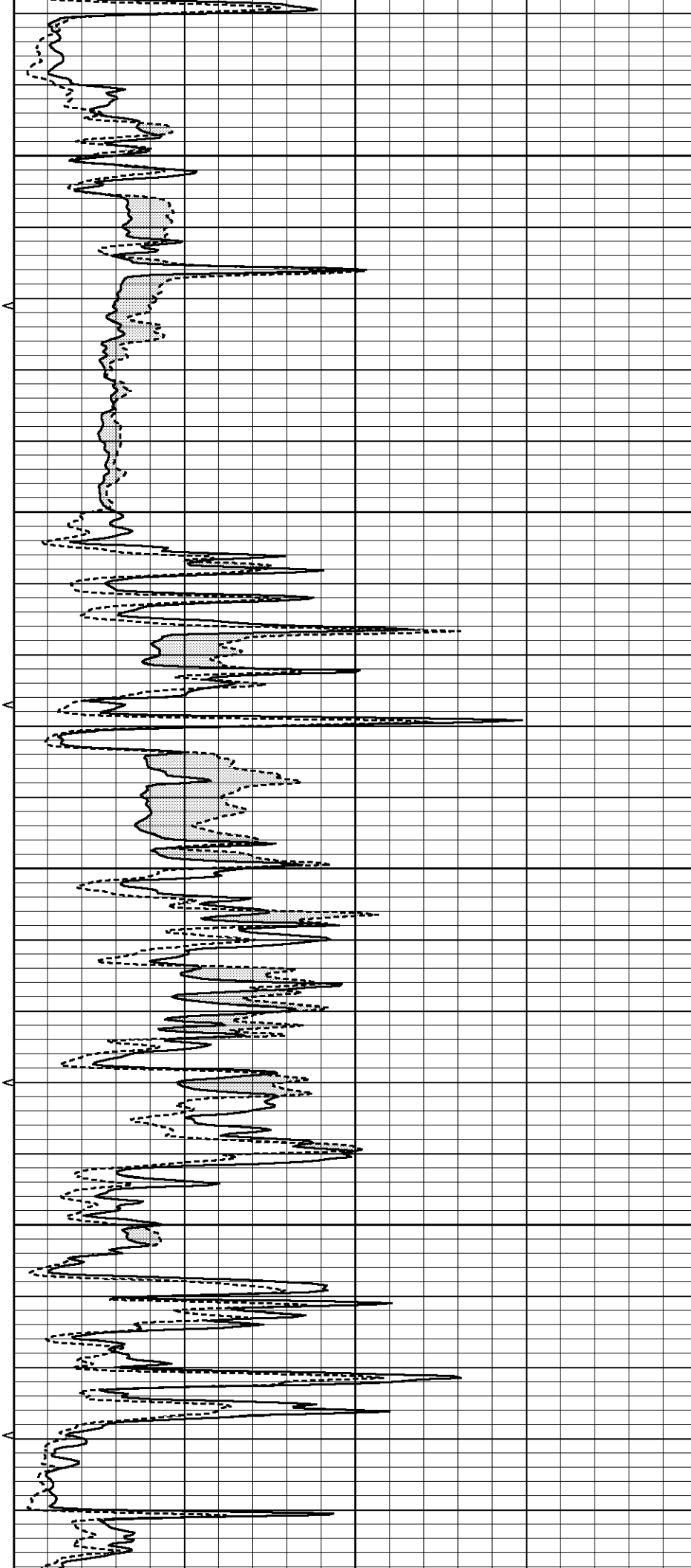


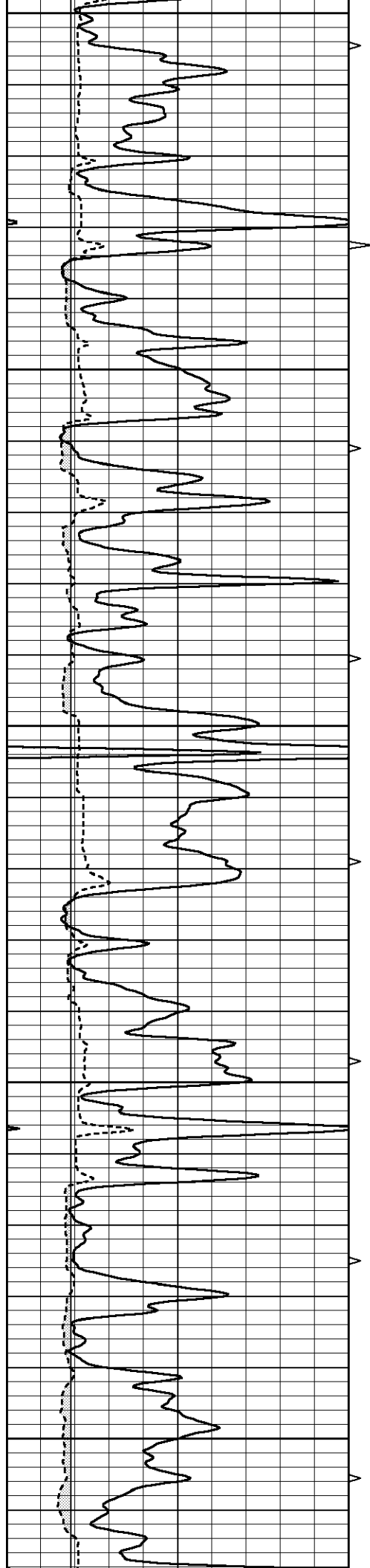
3200

3250

3300

3350





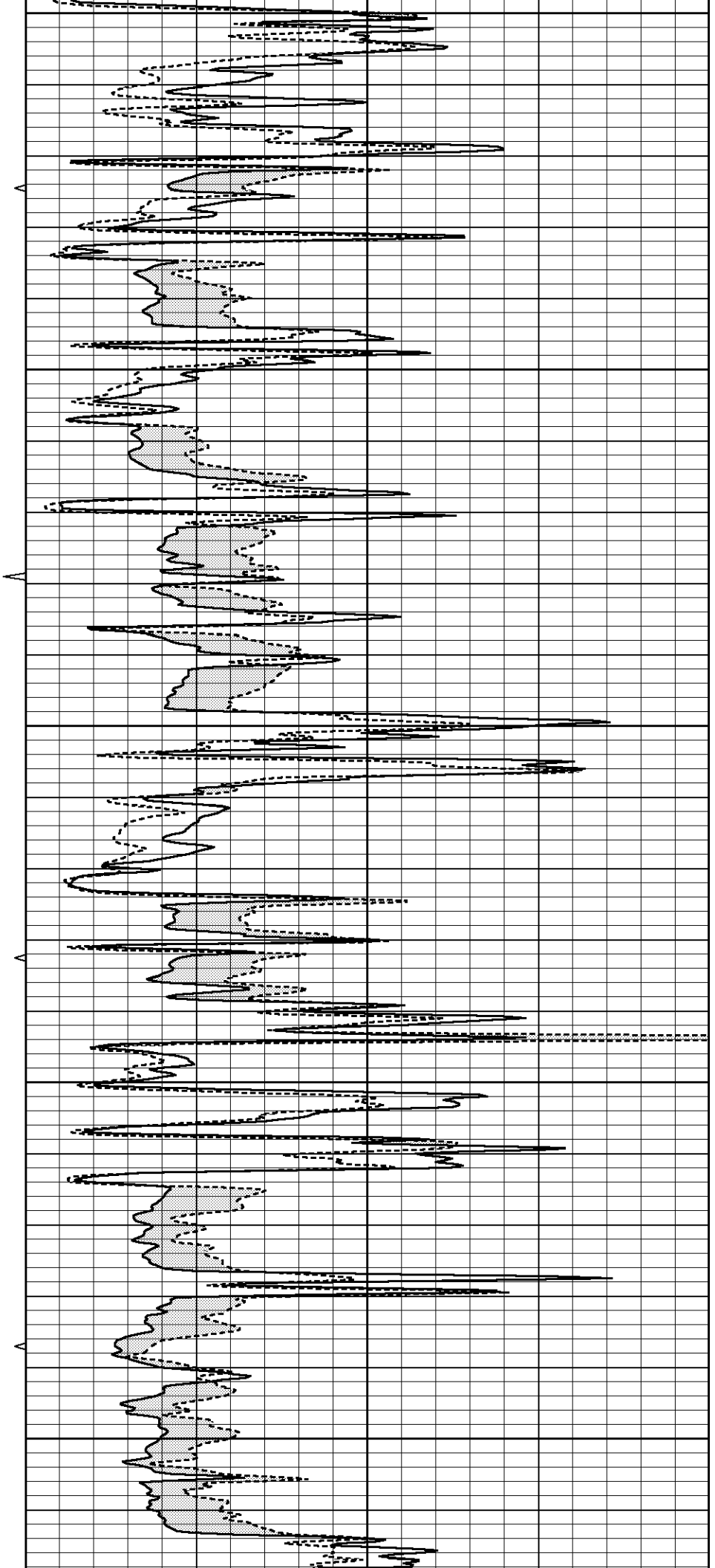
3400

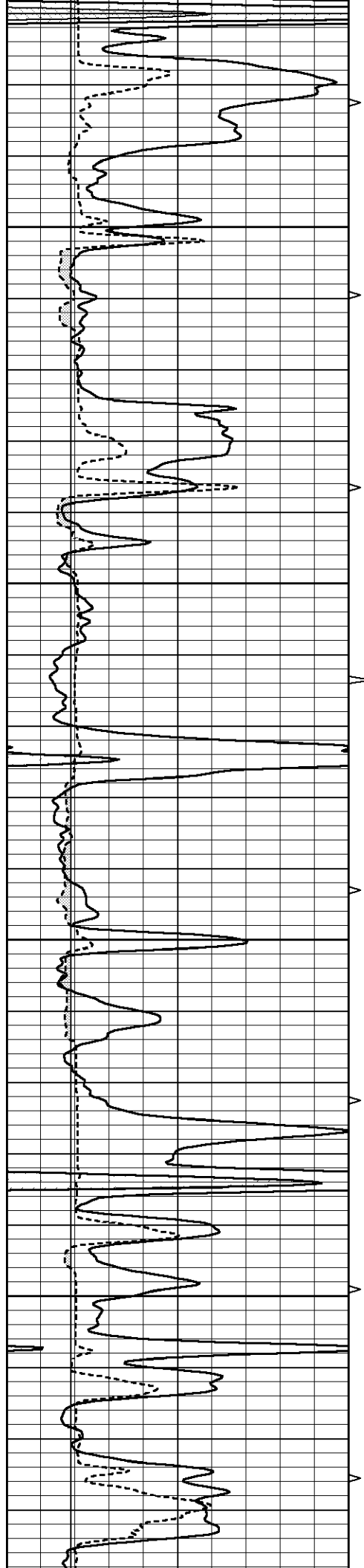
3450

3500

3550

3600



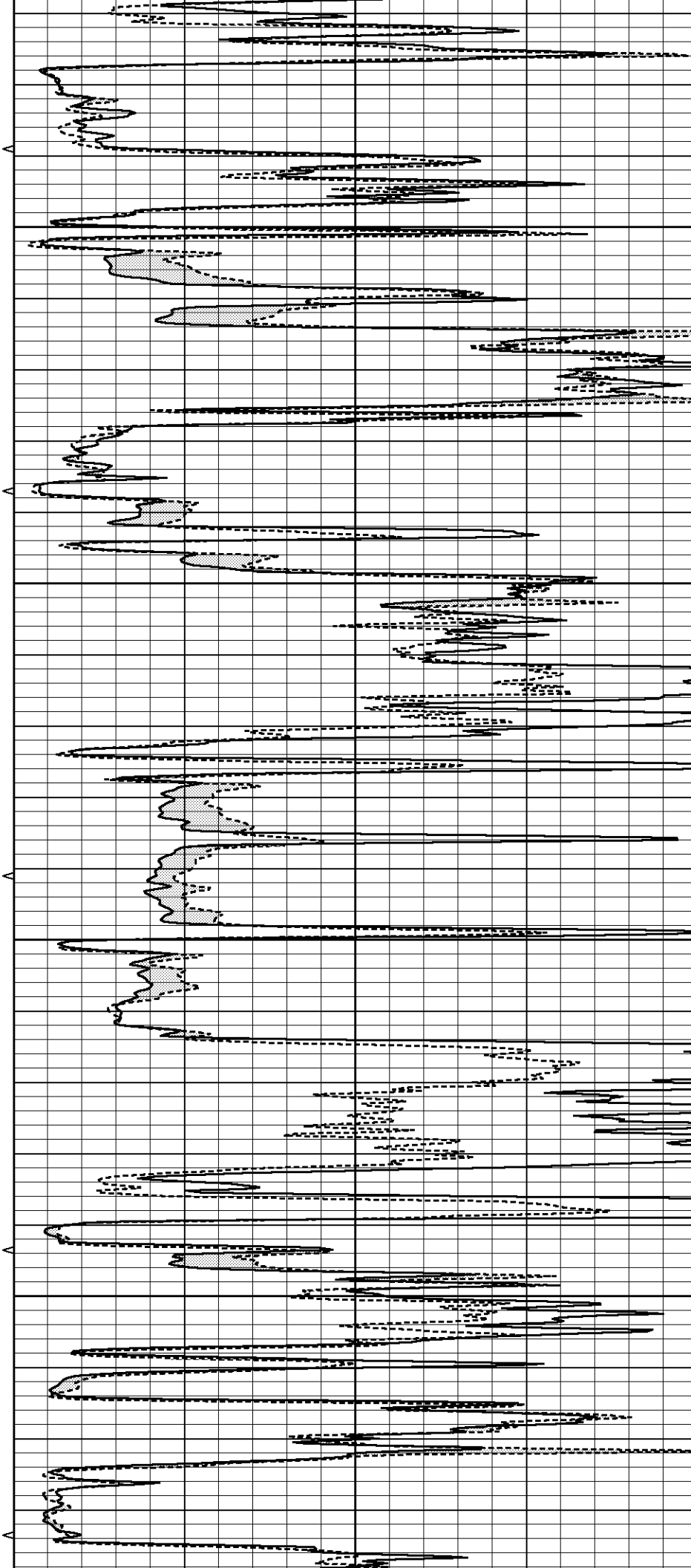


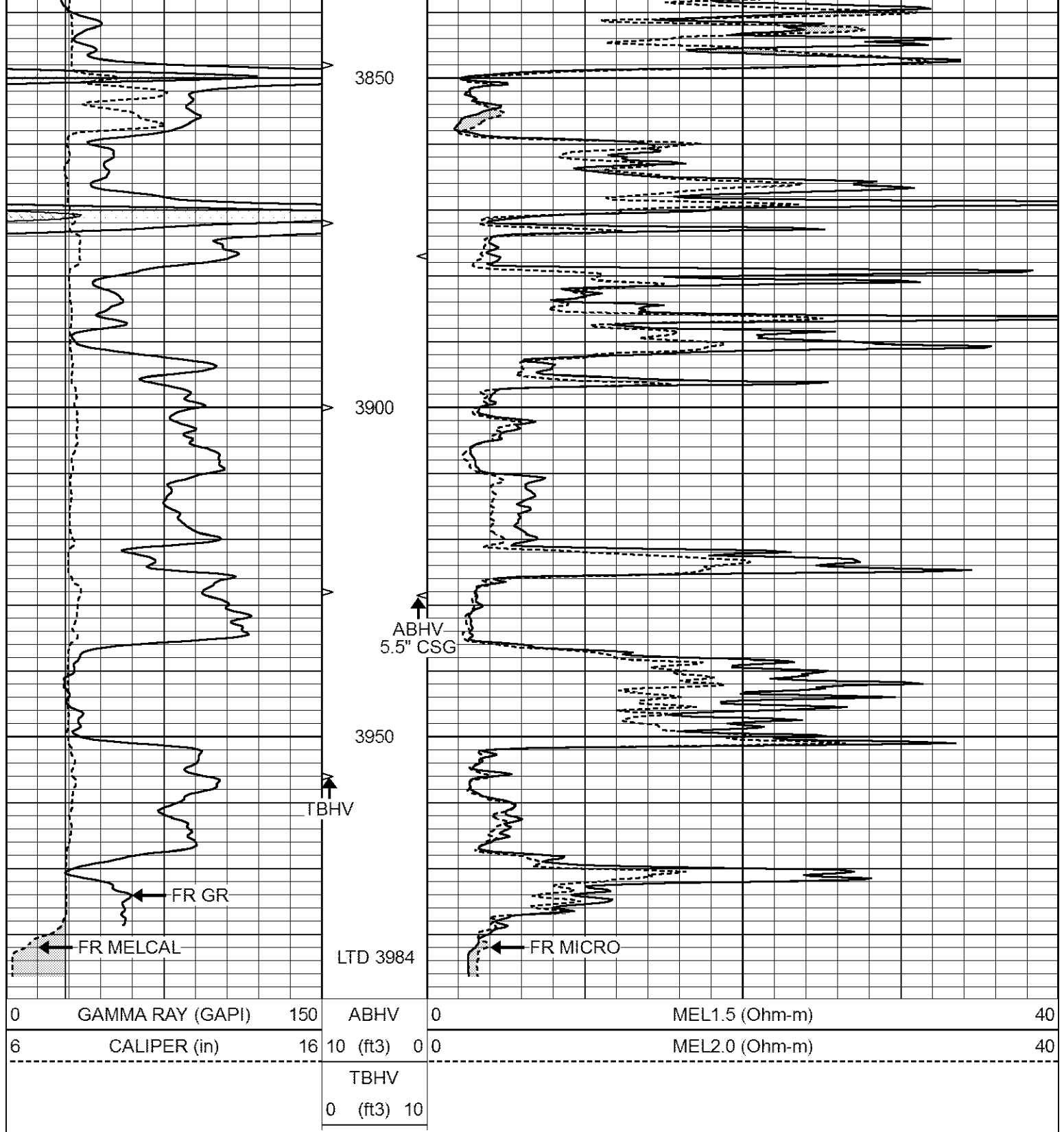
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3700

3750

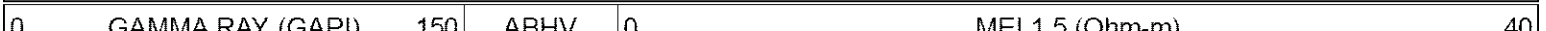
3800

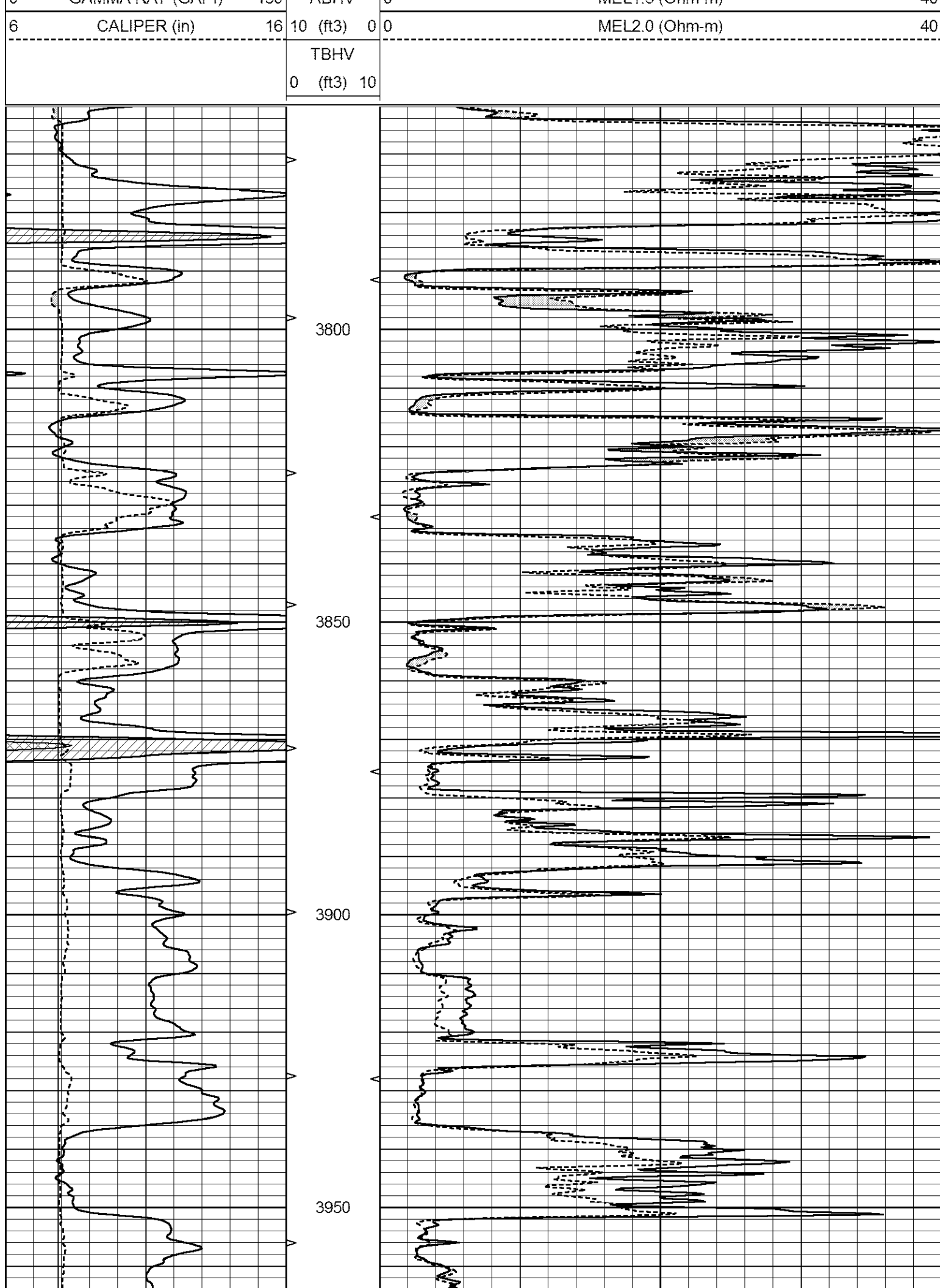


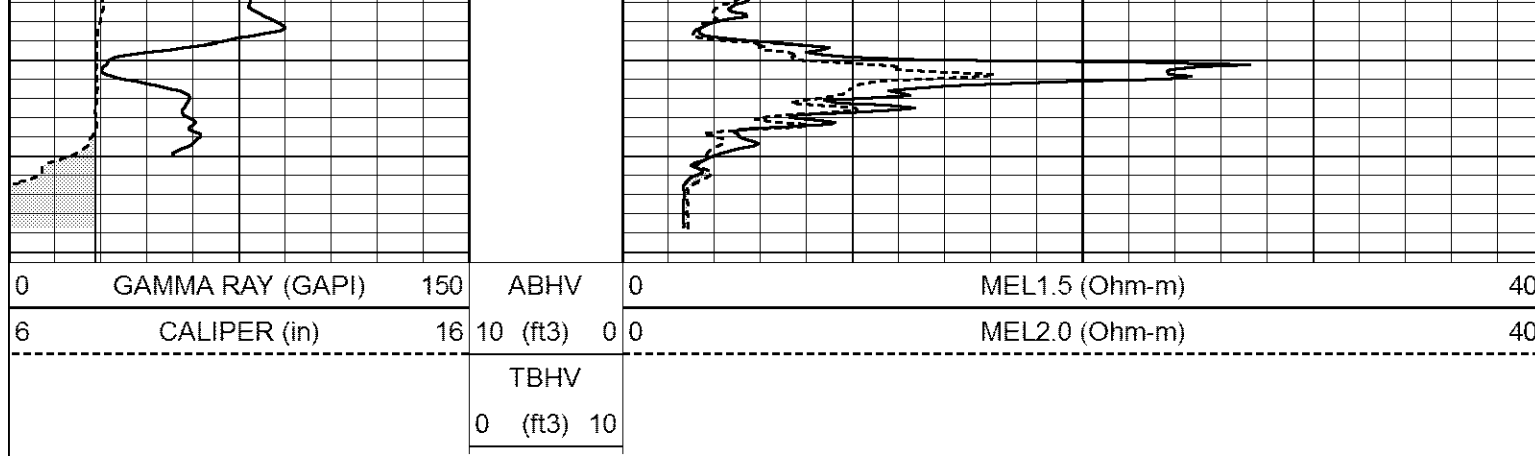


REPEAT SECTION

Database File 3428ddn8.db
Dataset Pathname pass6.1
Presentation Format _micro
Dataset Creation Wed Dec 12 09:14:49 2018
Charted by Depth in Feet scaled 1:240







Calibration Report	
Database File	3428ddn8.db
Dataset Pathname	pass6.1
Dataset Creation	Wed Dec 12 09:14:49 2018

MICRO_USR Calibration Report

Serial Number:	070911	
Tool Model:	ProbeL	
Performed:	Fri Mar 09 19:26:46 2018	
Caliper Calibration:	Gain=3.755	Offset=2.950
References	Low Cal	High Cal
Readings	8.000	14.000
	1.451	3.049
1.5" Calibration:	Gain=37.000	Offset=0.000
References	Low Cal	High Cal
Readings	0.000	20.000
	0.004	0.843
2" Calibration:	Gain=65.000	Offset=-1.650
References	Low Cal	High Cal
Readings	0.000	20.000
	0.021	0.810

Microlog Calibration Report

Serial-Model:			070911-ProbeL					
Performed:			Sat Apr 11 01:13:01 2015					
Readings			References				Results	
	Zero	Cal		Zero	Cal		m	b
Normal	0.0002	0.4836	V	0.0000	10.0000	Ohm-m	20.6908	-0.0051
Inverse	0.0018	0.6297	V	0.0000	10.0000	Ohm-m	15.9263	-0.0282
Caliper	0.0000	1.0000	V	0.0000	1.0000	in	1.0000	0.0000

Gamma Ray Calibration Report

Serial Number:	070558	
Tool Model:	Probe1	
Performed:	Sat Dec 08 10:58:44 2018	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps

Calibrator Reading:	1.0	cps
Sensitivity:	0.2700	GAPI/cps