



**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company MAI OIL OPERATIONS, INC.
Well HAMMEKE "M" #9
Field SYMS SOUTHEAST
County STAFFORD
State KANSAS

Company MAI OIL OPERATIONS, INC.
Well HAMMEKE "M" #9
Field SYMS SOUTHEAST
County STAFFORD State KANSAS

Location: API # : 15-185-23931-0000
1500' FSL & 1750' FWL
SEC 22 TWP 21S RGE 12W
Permanent Datum GROUND LEVEL Elevation 1840
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL
DIL
Elevation
K.B. 1848
D.F. 1846
G.L. 1840

Date	4/2/15		
Run Number	TWO		
Depth Driller	3700		
Depth Logger	3700		
Bottom Logged Interval	3698		
Top Log Interval	2800		
Casing Driller	8 5/8" @ 635'		
Casing Logger	634		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5000 PPM	
Density / Viscosity	9.2/58		
pH / Fluid Loss	9.5/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.2 @ 56F		
Rmt @ Meas. Temp	.90 @ 56F		
Rmc @ Meas. Temp	1.44 @ 56F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.59 @ 113F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	113F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI	BLAKE WAGGONER	
Witnessed By	WYATT URBAN		

<<< Fold Here >>>

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

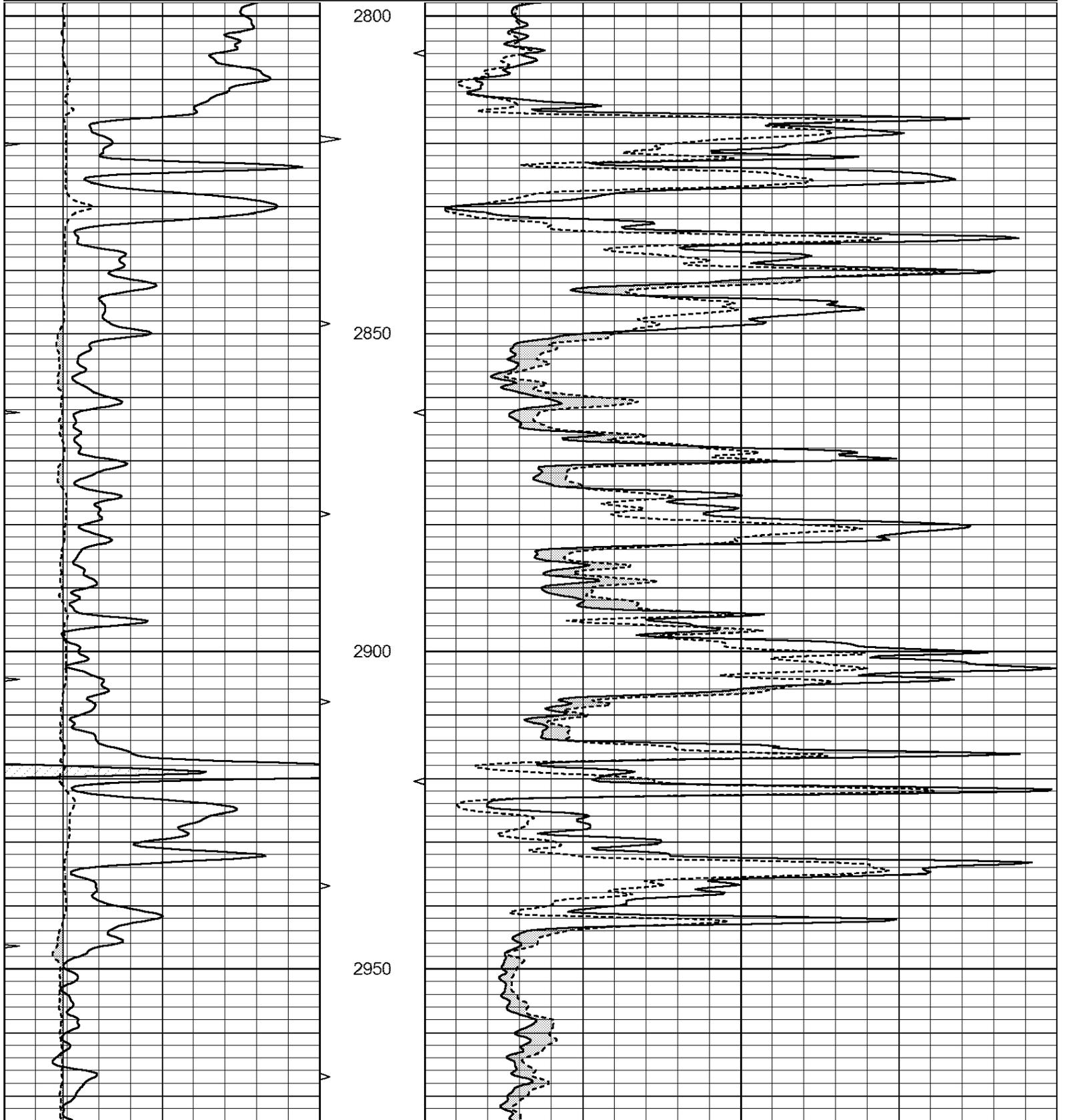
THANK YOU FOR USING NABORS, HAYS, KS. (785) 628-6395
DIRECTIONS:
GREAT BEND, KS. - SOUTH ACROSS COUNTY LINE TO 180TH RD.
6 EAST TO 60TH RD. - 1 SOUTH - 1/2 EAST - NORTH INTO

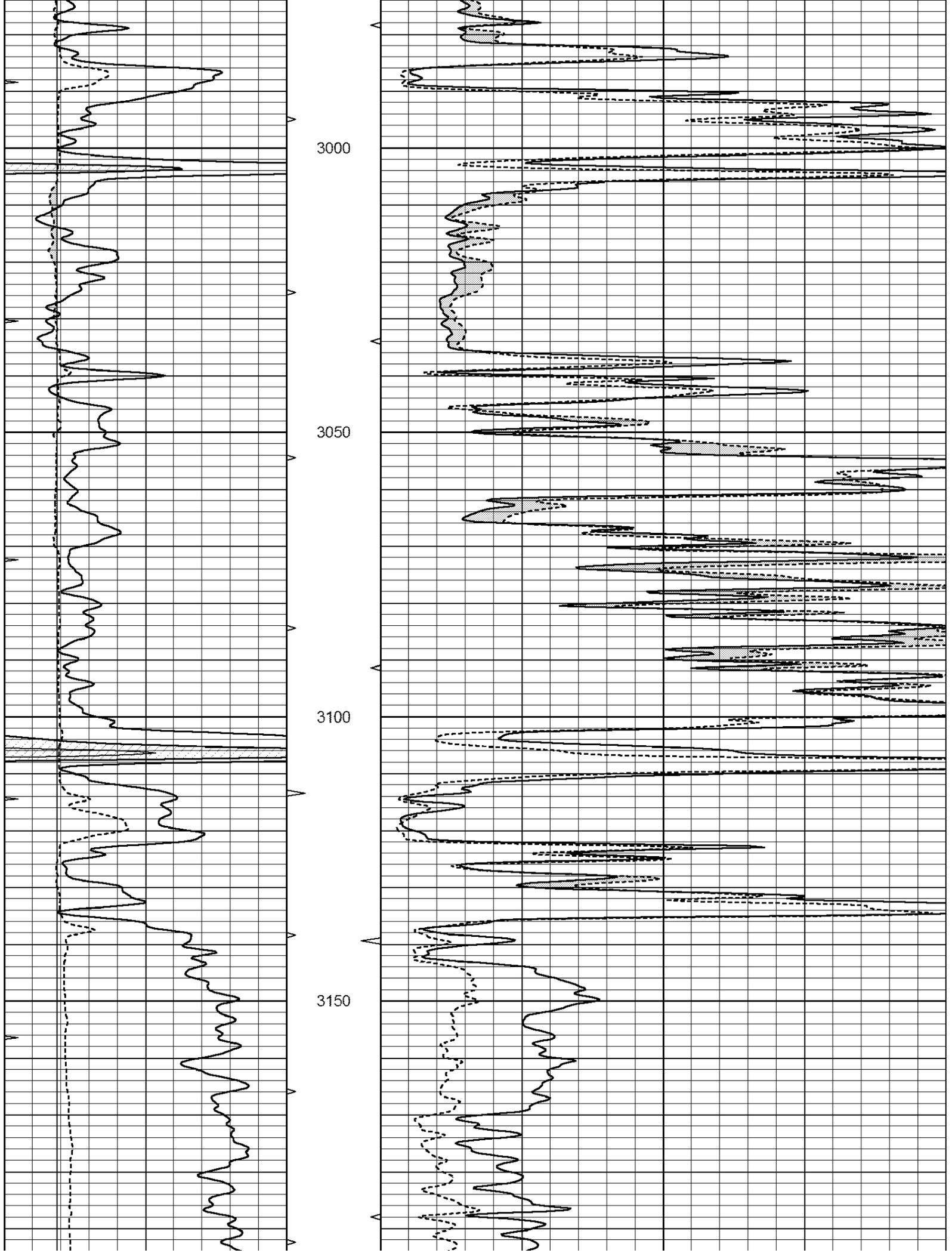


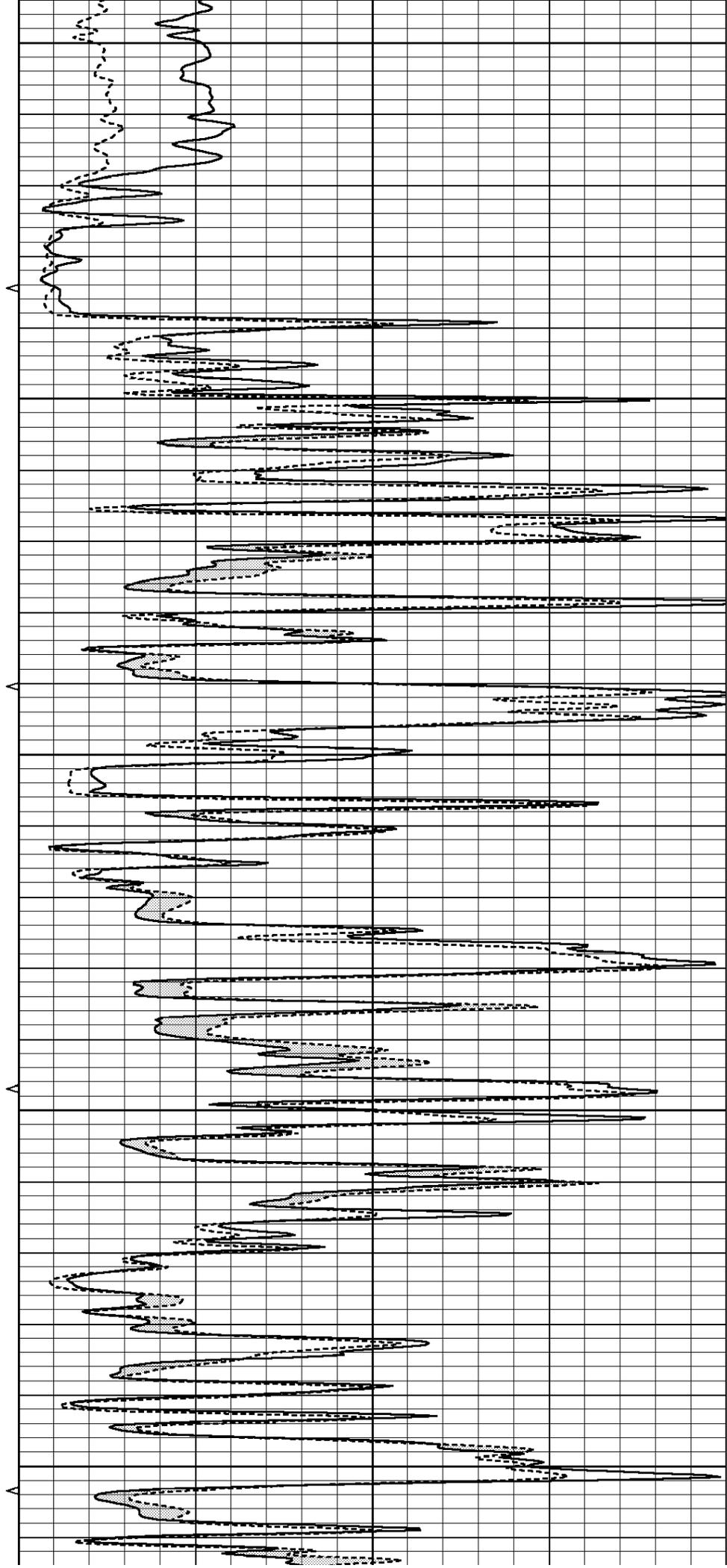
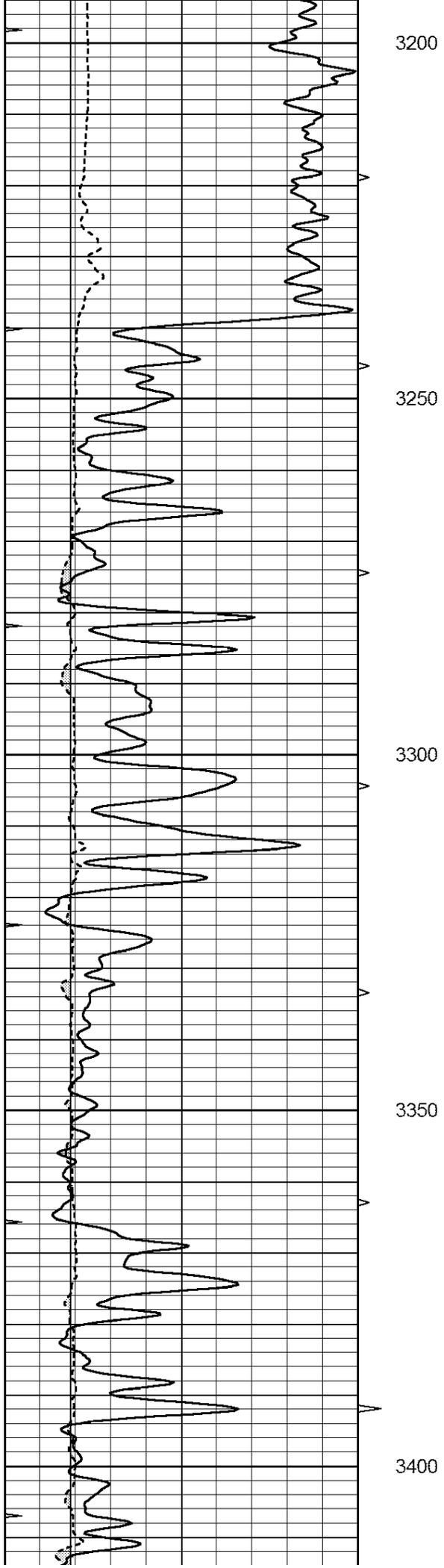
MAIN SECTION

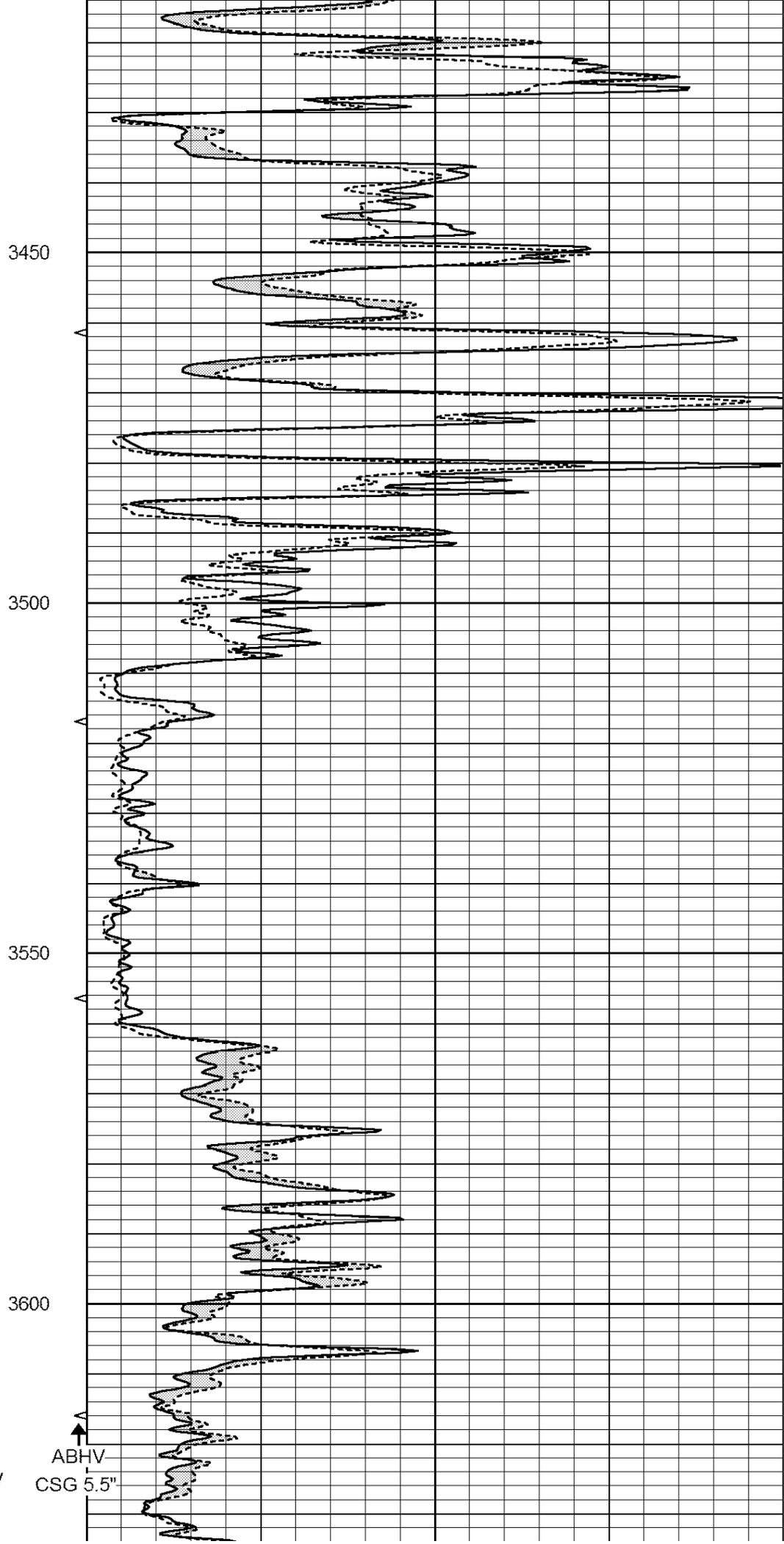
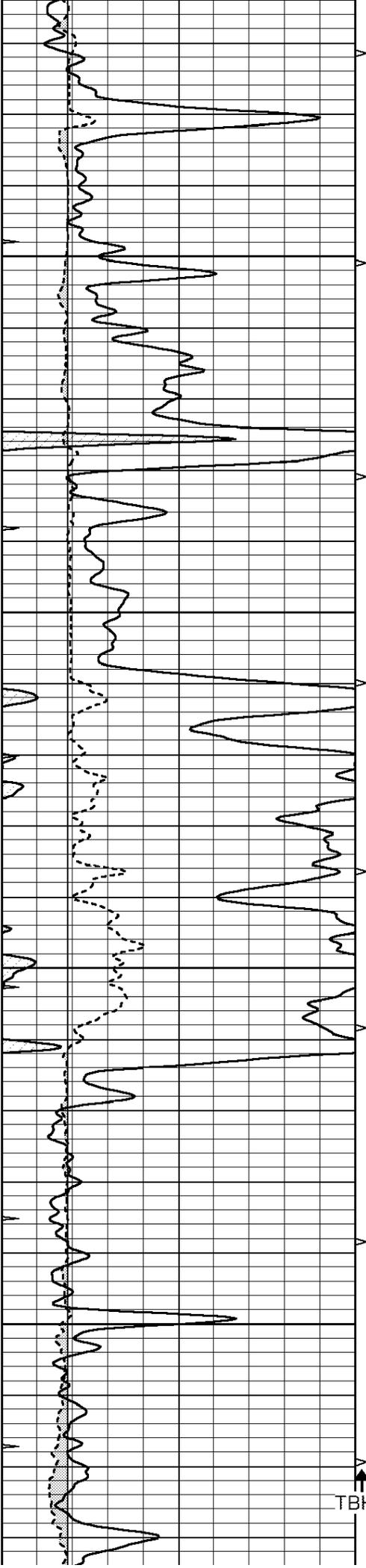
Database File: 26548ddn.db
 Dataset Pathname: pass9.1
 Presentation Format: _micro
 Dataset Creation: Thu Apr 02 18:36:07 2015 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

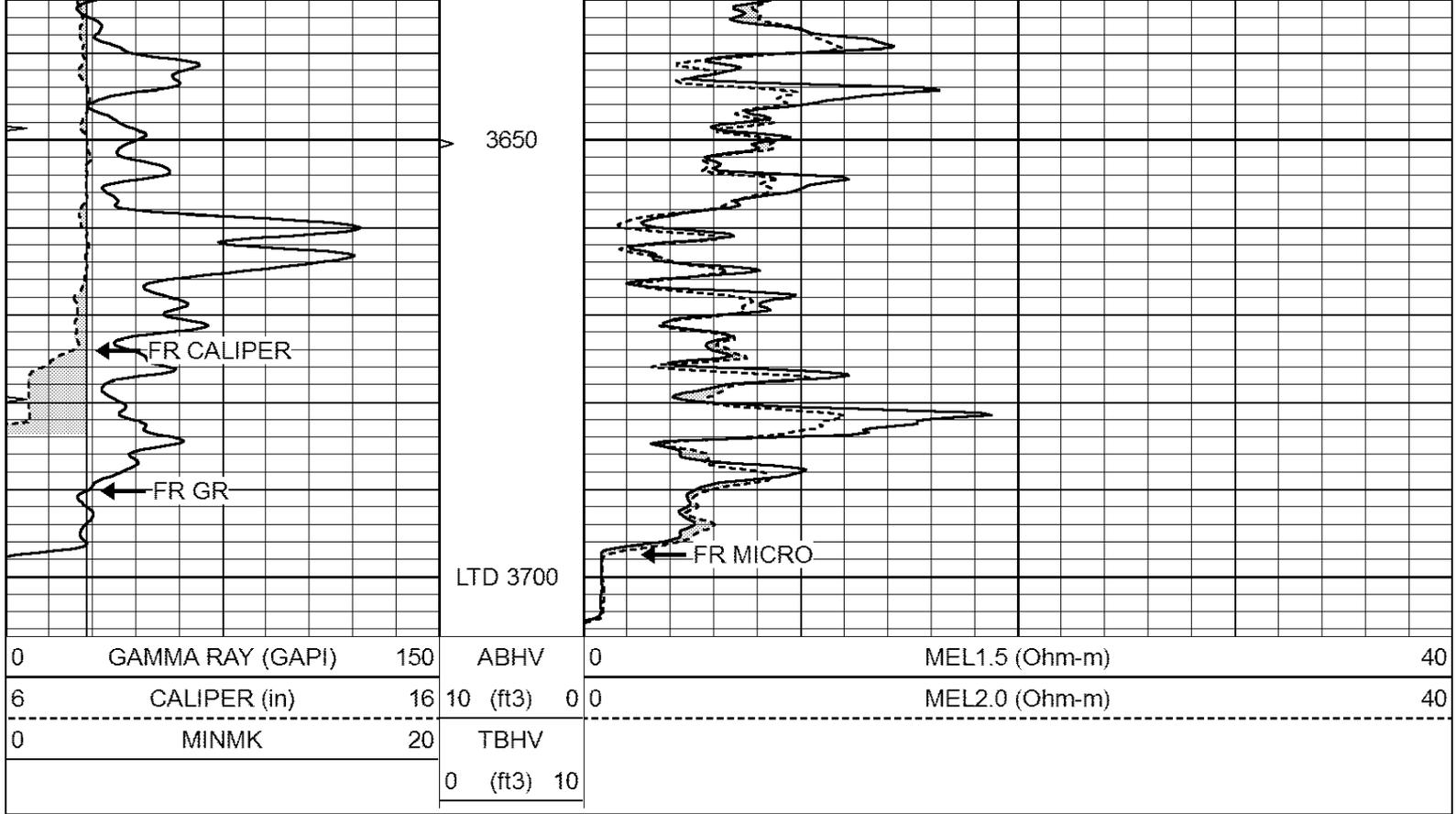
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		







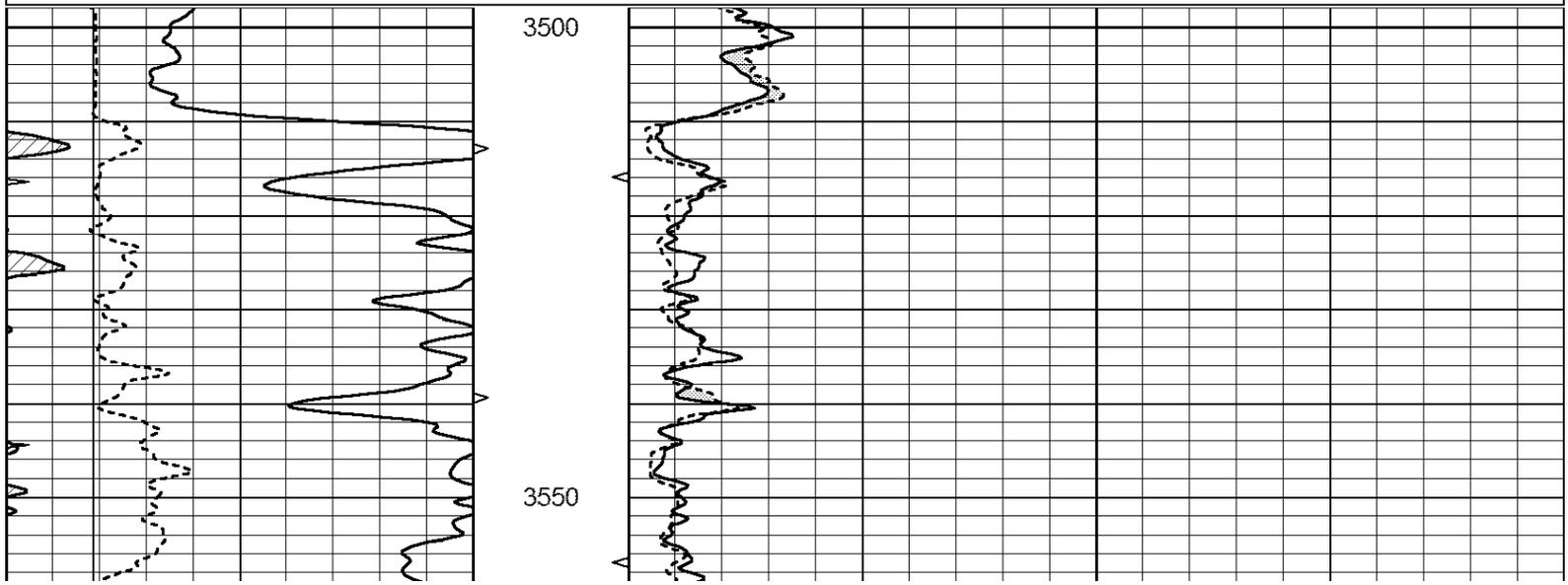


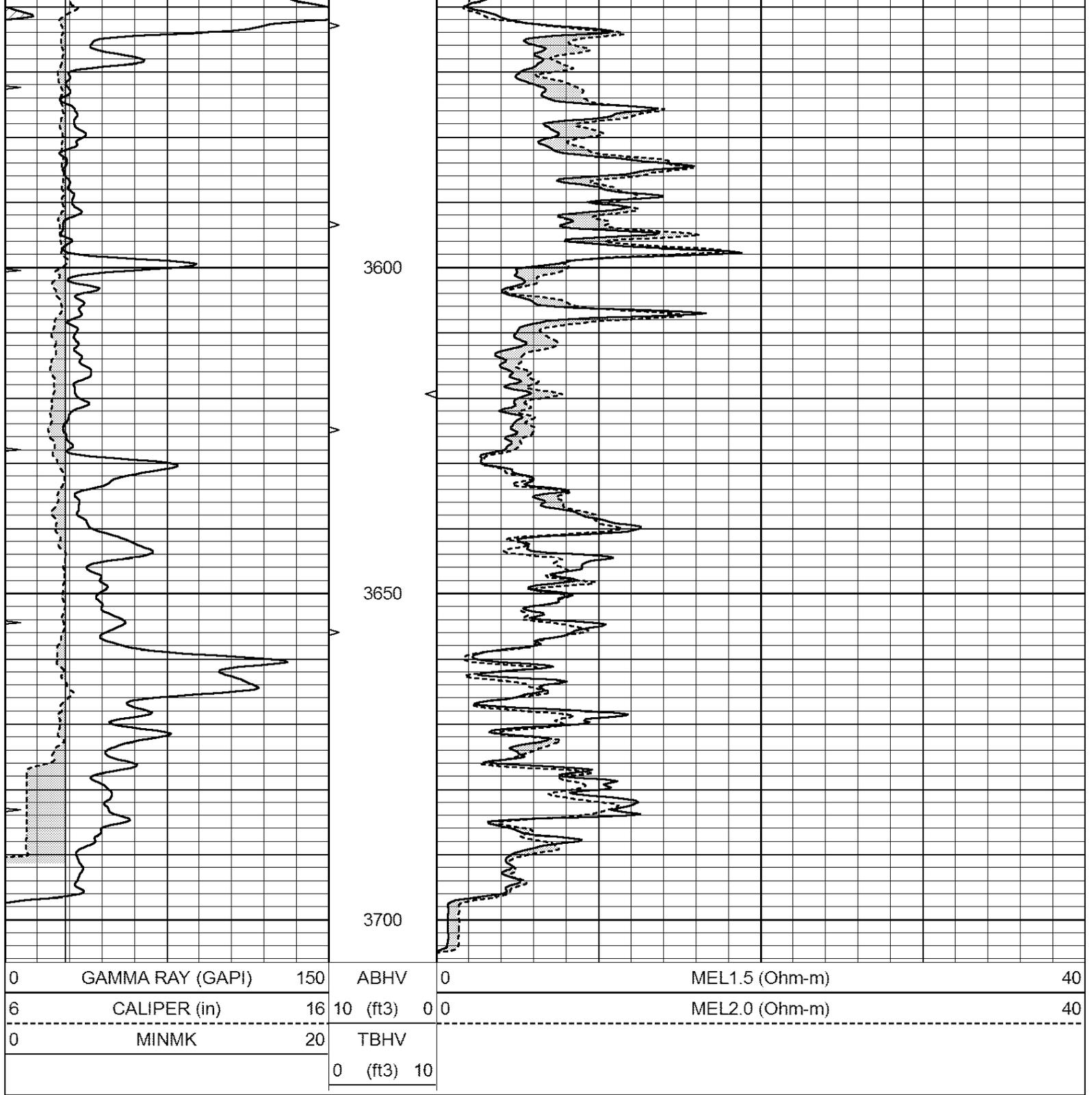


REPEAT SECTION

Database File: 26548ddn.db
 Dataset Pathname: pass8.3
 Presentation Format: _micro
 Dataset Creation: Thu Apr 02 18:11:47 2015 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		





Calibration Report

Database File: 26548ddn.db
 Dataset Pathname: pass9.1
 Dataset Creation: Thu Apr 02 18:36:07 2015 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number:	MICRO6
Tool Model:	PROBE
Performed:	Thu Apr 02 11:14:04 2015

Caliper Calibration:	Gain=17.975	Offset=-12.054
----------------------	-------------	----------------

Low Cal	High Cal
---------	----------

References	7.000	14.000
Readings	1.060	1.449
1.5" Calibration:	Gain=38.075	Offset=-1.000
References	Low Cal	High Cal
Readings	0.000	20.000
	0.004	1.196
2" Calibration:	Gain=48.000	Offset=-1.600
References	Low Cal	High Cal
Readings	0.000	20.000
	0.006	0.913
Gamma Ray Calibration Report		
Serial Number:	GR6	
Tool Model:	OPEN	
Performed:	Sun Mar 08 22:55:40 2015	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	276.0	cps
Sensitivity:	0.8000	GAPI/cps