



**COMPLETION  
& PRODUCTION  
SERVICES CO.**

**MICRO  
LOG**

Company SHELBY RESOURCES, LLC.  
Well COLLENE UNIT #1-21  
Field WILDCAT  
County BARTON  
State KANSAS

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Location: API # : 15-009-26061-0000  
1717' FSL & 140' FEL  
SEC 21 TWP 18S RGE 14W  
Permanent Datum GROUND LEVEL Elevation 1911  
Log Measured From KELLY BUSHING 13' A.G.L.  
Drilling Measured From KELLY BUSHING  
Other Services  
CDL/CNL  
DIL/SONIC  
Elevation  
K.B. 1924  
D.F. 1922  
G.L. 1911

Date	11/27/14
Run Number	TWO
Depth Driller	3565
Depth Logger	3562
Bottom Logged Interval	3546
Top Log Interval	2800
Casing Driller	8 5/8" @ 890'
Casing Logger	890
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.2/57
pH / Fluid Loss	10.0/8.8
Source of Sample	FLOWLINE
Rim @ Meas. Temp	.900 @ 80F
Rmf @ Meas. Temp	.675 @ 80F
Rmc @ Meas. Temp	1.08 @ 80F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	.643 @ 112F
Time Circulation Stopped	3.5 HOURS
Time Logger on Bottom	3:15 A.M.
Maximum Recorded Temperature	112F
Equipment Number	4854
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	JEREMY SCHWARTZ

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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**

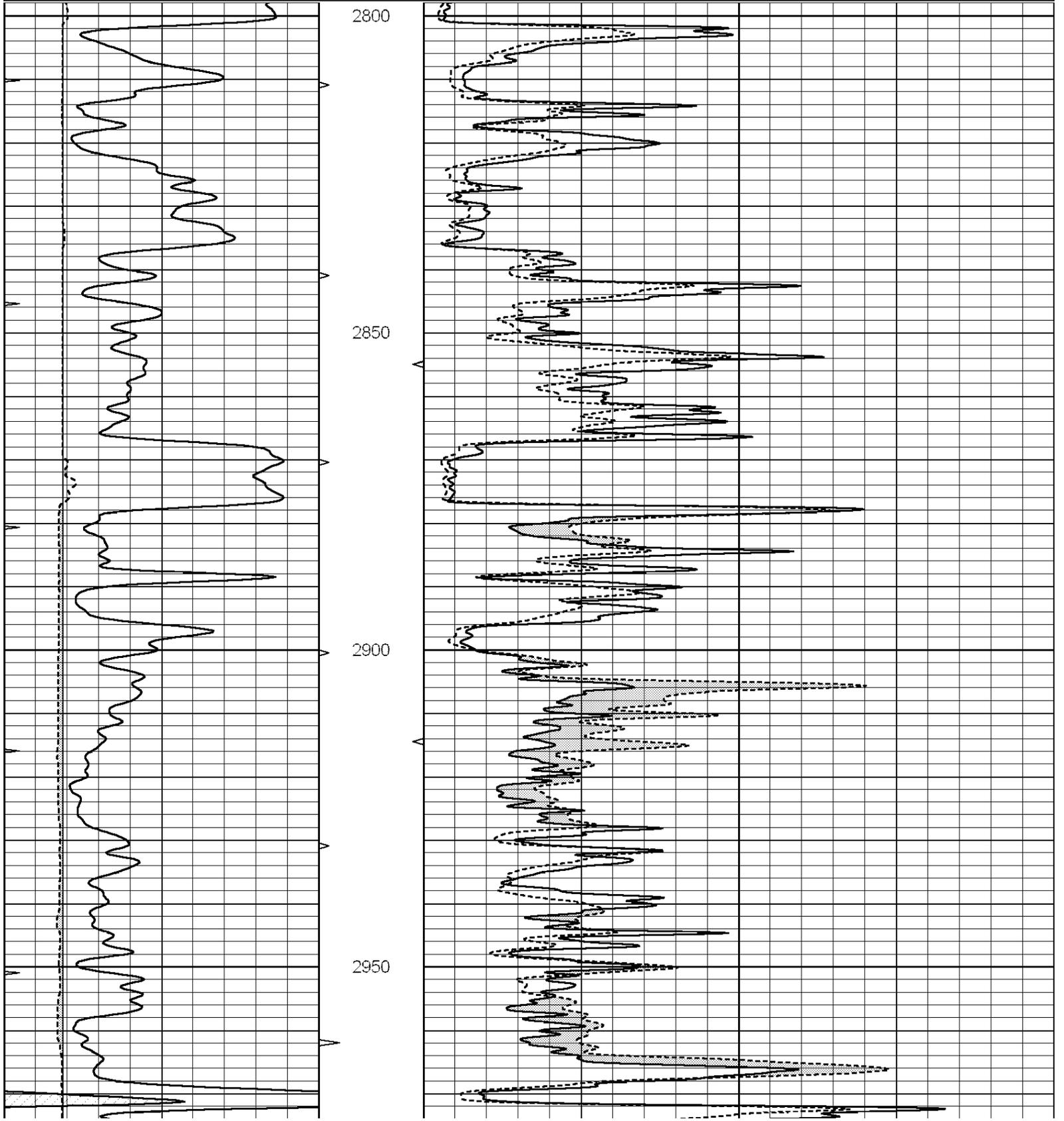
THANK YOU FOR USING "NABORS" HAYS, KANSAS (785) 628-6395  
DIRECTIONS  
W. OF HOISINGTON, KS. TO (HWY 4 & 281) 4S. ON "BOYD RD.", TO "RD. 80", 1W., 1S., W. INTO  
HAPPY THANKSGIVING

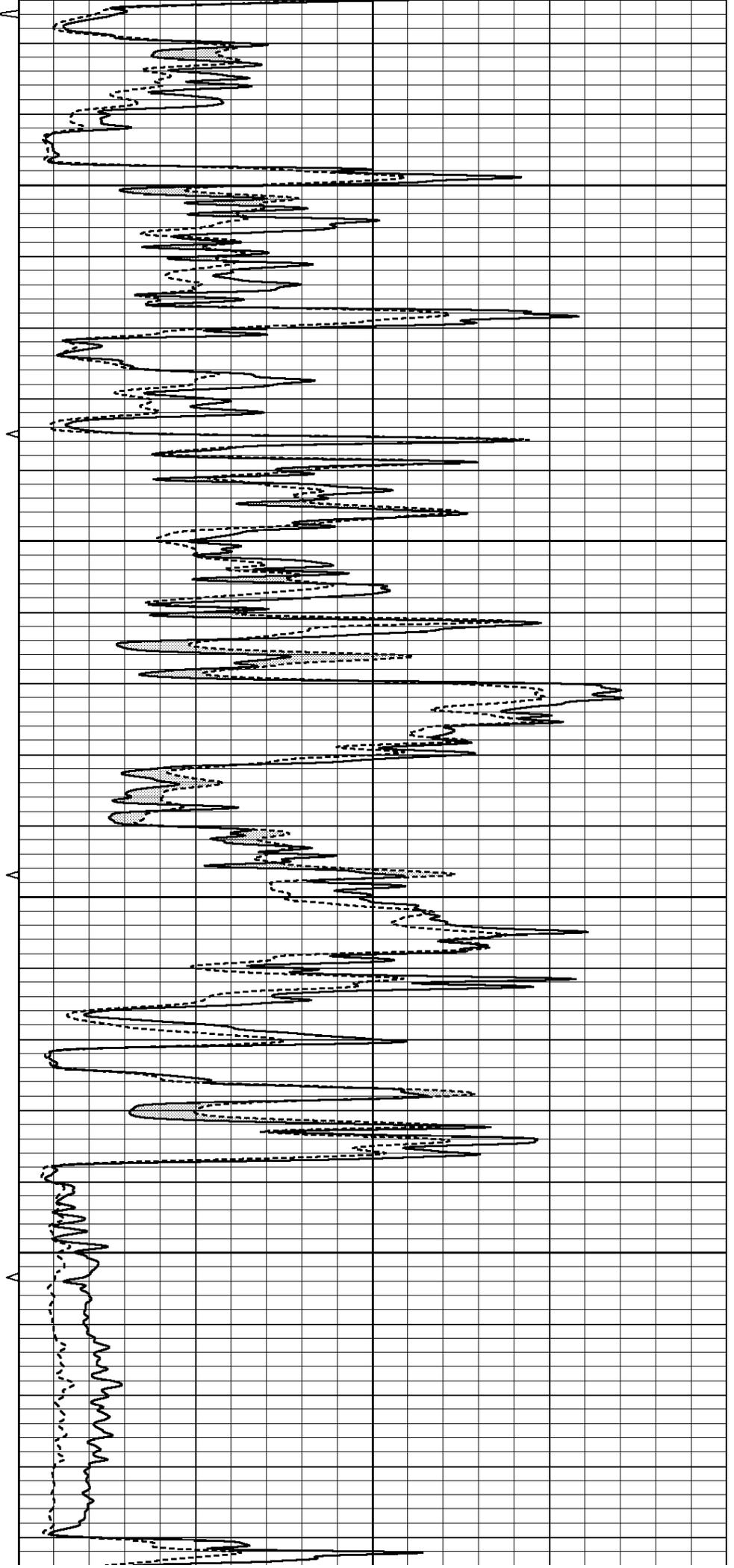
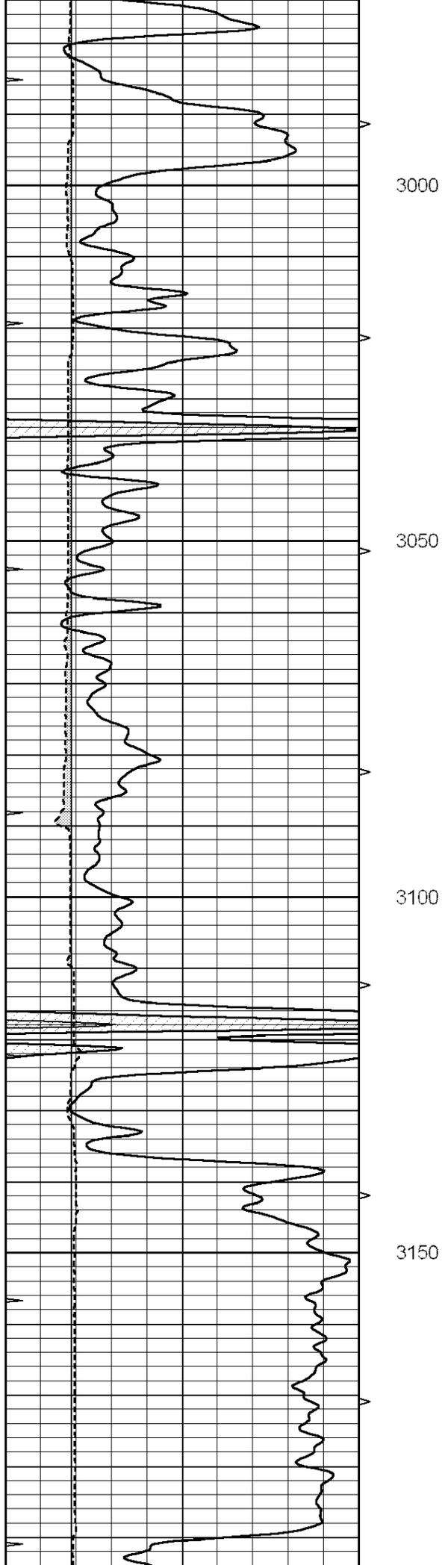


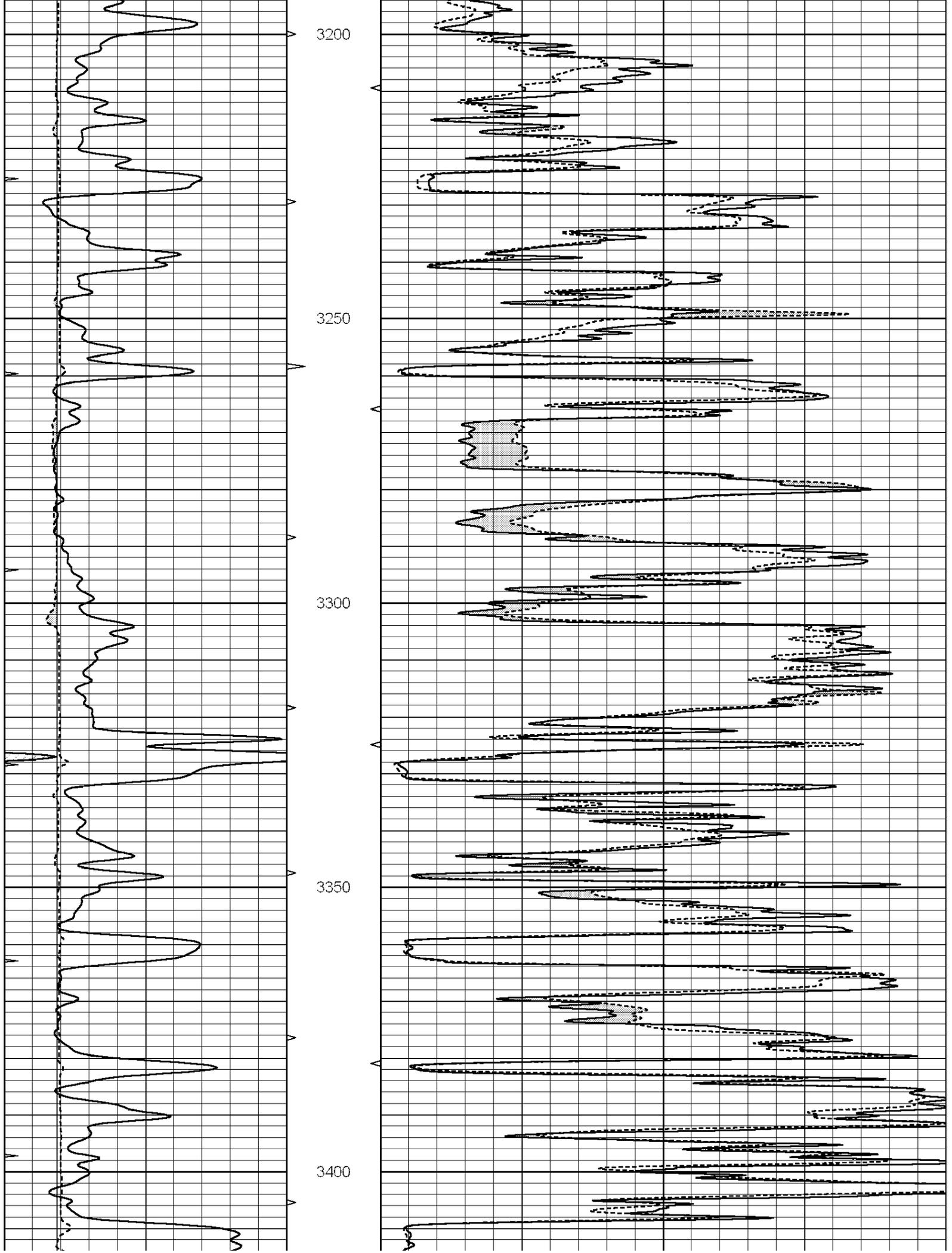
**MAIN SECTION**

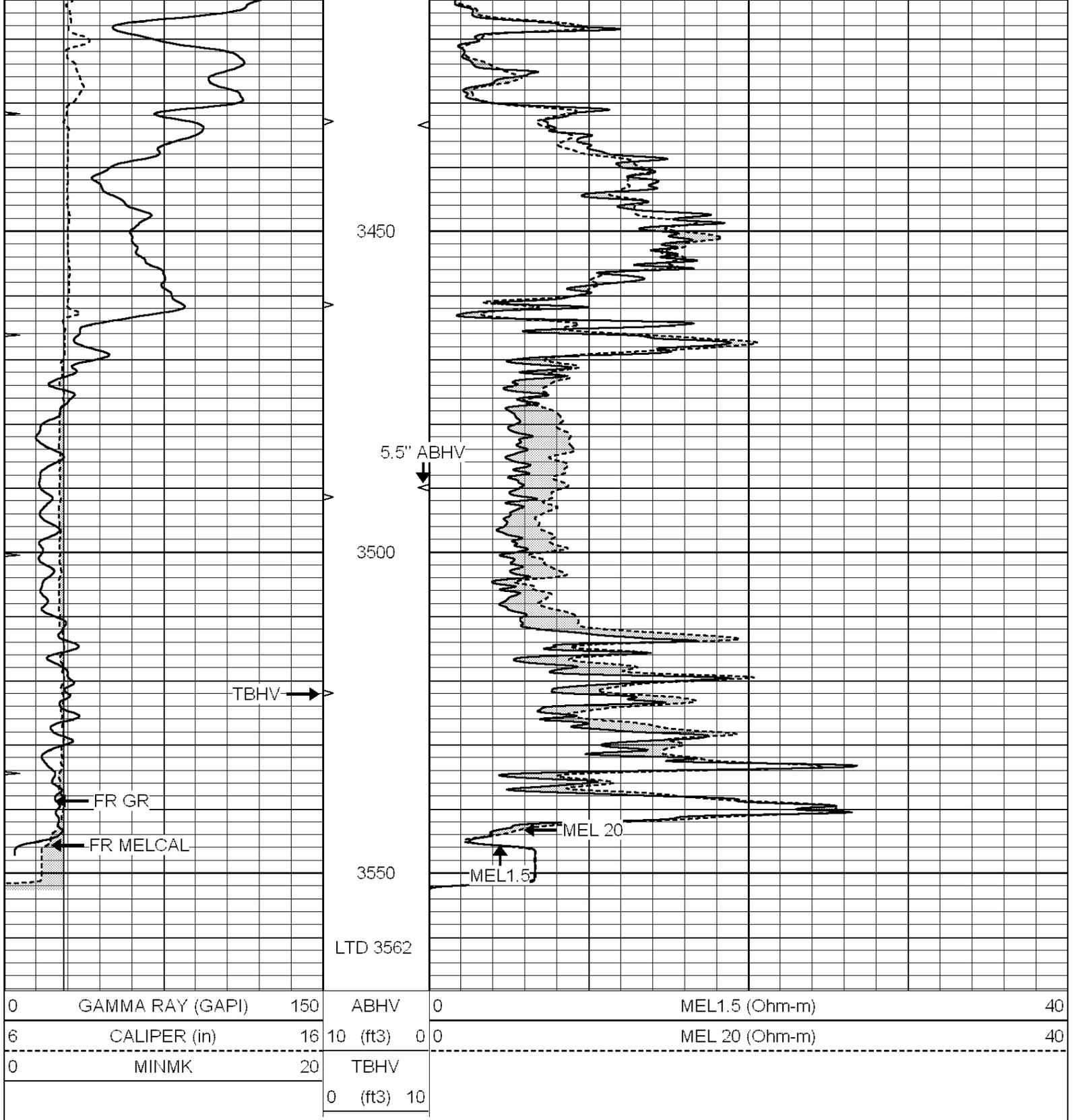
Database File: 25920ddn.db  
 Dataset Pathname: pass6.1  
 Presentation Format: micro  
 Dataset Creation: Thu Nov 27 06:58:57 2014 by Calc SOC 120430  
 Charted by: Depth in Feet scaled 1:240

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		







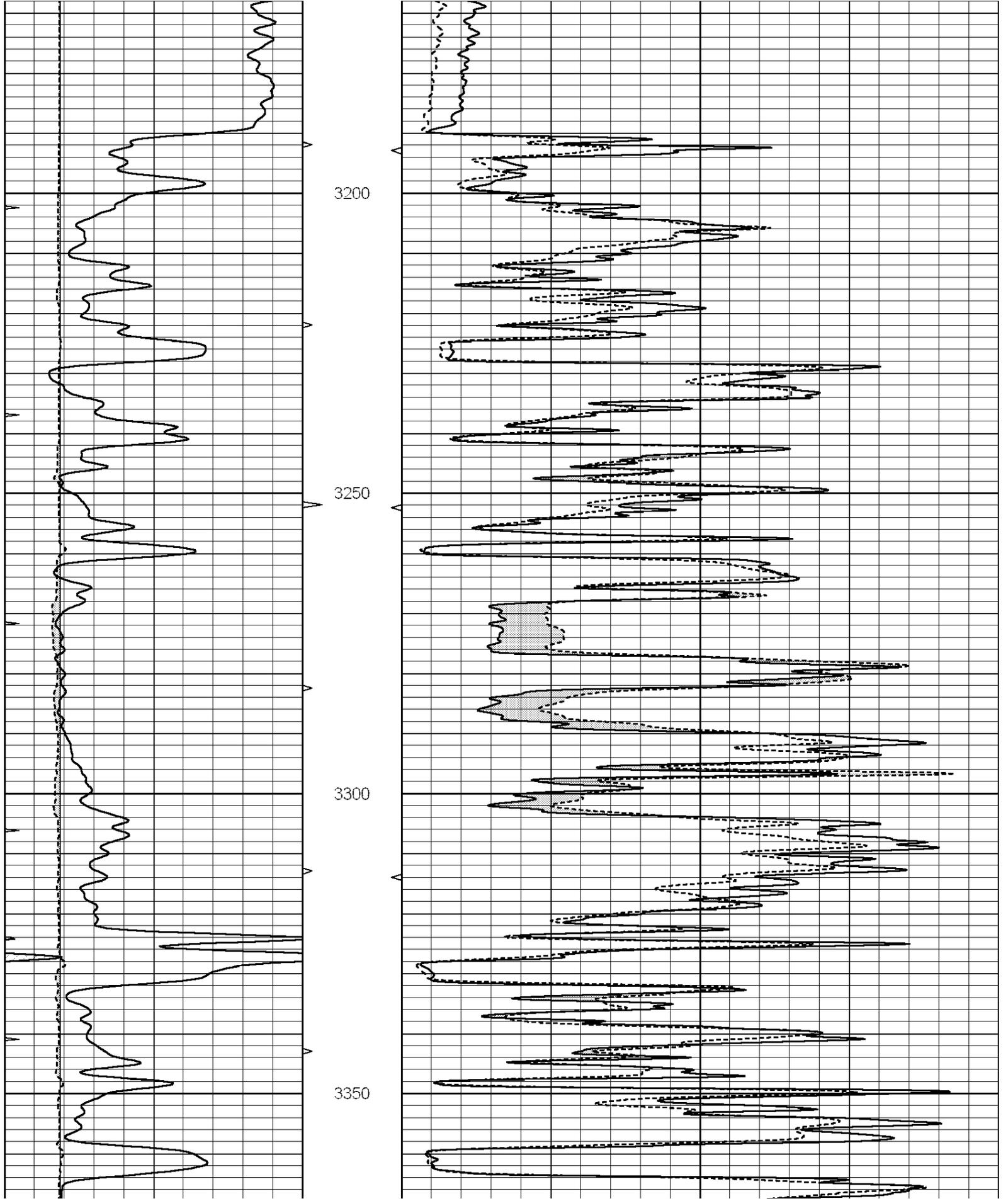


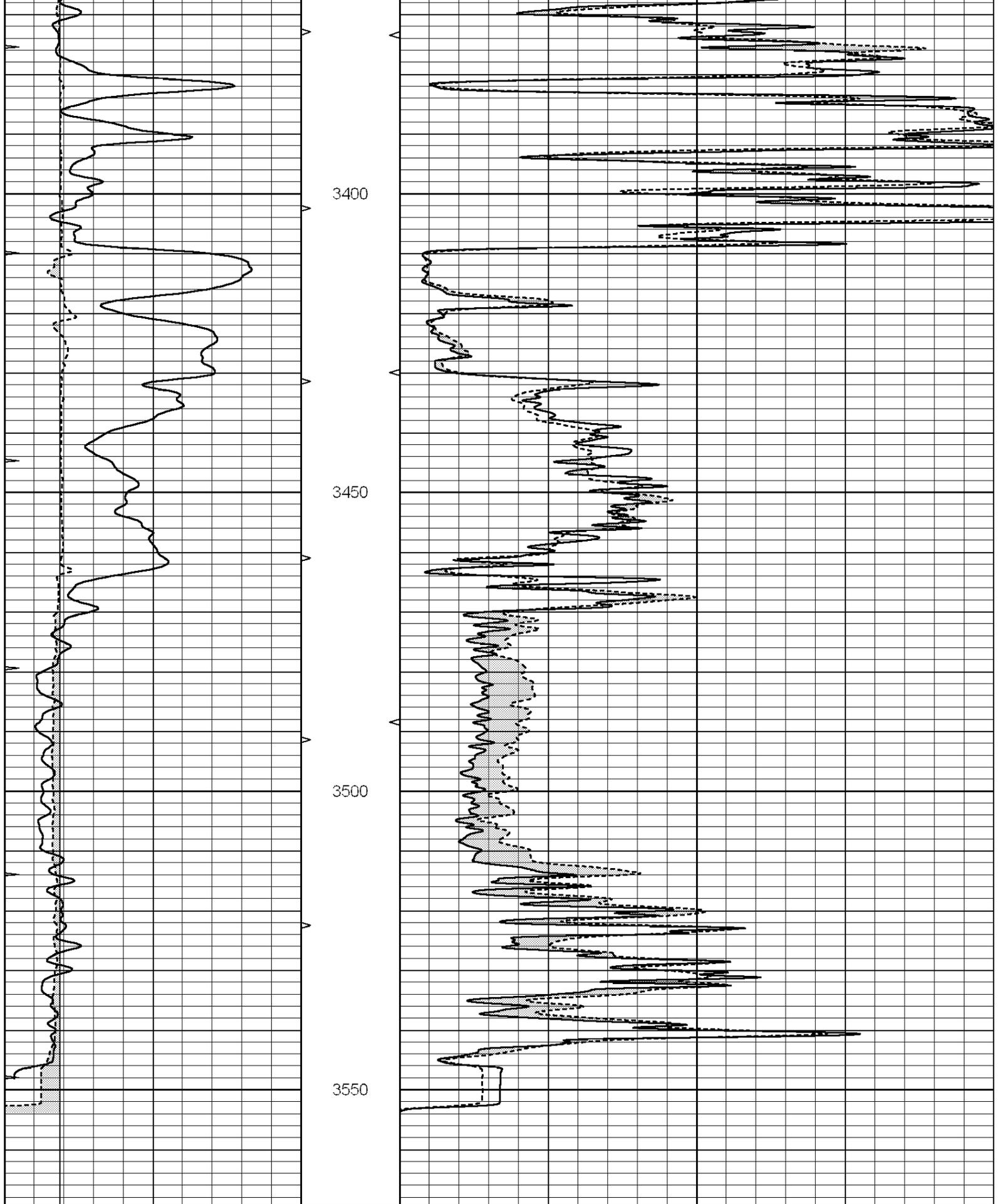
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# REPEAT SECTION

Database File: 25920ddn.db  
 Dataset Pathname: pass5.1  
 Presentation Format: micro  
 Dataset Creation: Thu Nov 27 06:09:12 2014 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		





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: 25920ddn.db  
 Dataset Pathname: pass6.1  
 Dataset Creation: Thu Nov 27 06:58:57 2014 by Calc SOC 120430

MICRO Calibration Report

Serial Number: 070910  
 Tool Model: ProbeN  
 Performed: Fri Oct 31 07:44:46 2014

Caliper Calibration:	Gain=4.033	Offset=1.842
	Low Cal	High Cal
References	8.100	15.000
Readings	1.552	3.263

1.5" Calibration:	Gain=24.000	Offset=0.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.000	1.216

2" Calibration:	Gain=48.000	Offset=-1.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.002	1.053

Gamma Ray Calibration Report

Serial Number: 110959  
 Tool Model: OPEN\_GR  
 Performed: Thu Nov 20 07:28:06 2014

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2000	GAPI/cps