



**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company L. D. DRILLING, INC.
Well #2 BRYANT "A"
Field CHASE - SILICA
County BARTON
State KANSAS

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Location: API # : 15-009-25982-0000
450" FNL & 1650' FWL
SEC 25 TWP 20S RGE 11W
Permanent Datum GROUND LEVEL Elevation 1743
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL
DIL
Elevation
K.B. 1748
D.F. 1746
G.L. 1743

Date	6/20/14
Run Number	TWO
Depth Driller	3350
Depth Logger	3348
Bottom Logged Interval	3346
Top Log Interval	2500
Casing Driller	8 5/8"@442'
Casing Logger	444
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.5/54
pH / Fluid Loss	10.0/10.0
Source of Sample	FLOWLINE
Rim @ Meas. Temp	.650@90F
Rmf @ Meas. Temp	.488@90F
Rmc @ Meas. Temp	.780@90F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	.532@110F
Time Circulation Stopped	3.5 HOURS
Time Logger on Bottom	8:00 A.M.
Maximum Recorded Temperature	110F
Equipment Number	4854
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	KIM SHOEMAKER

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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

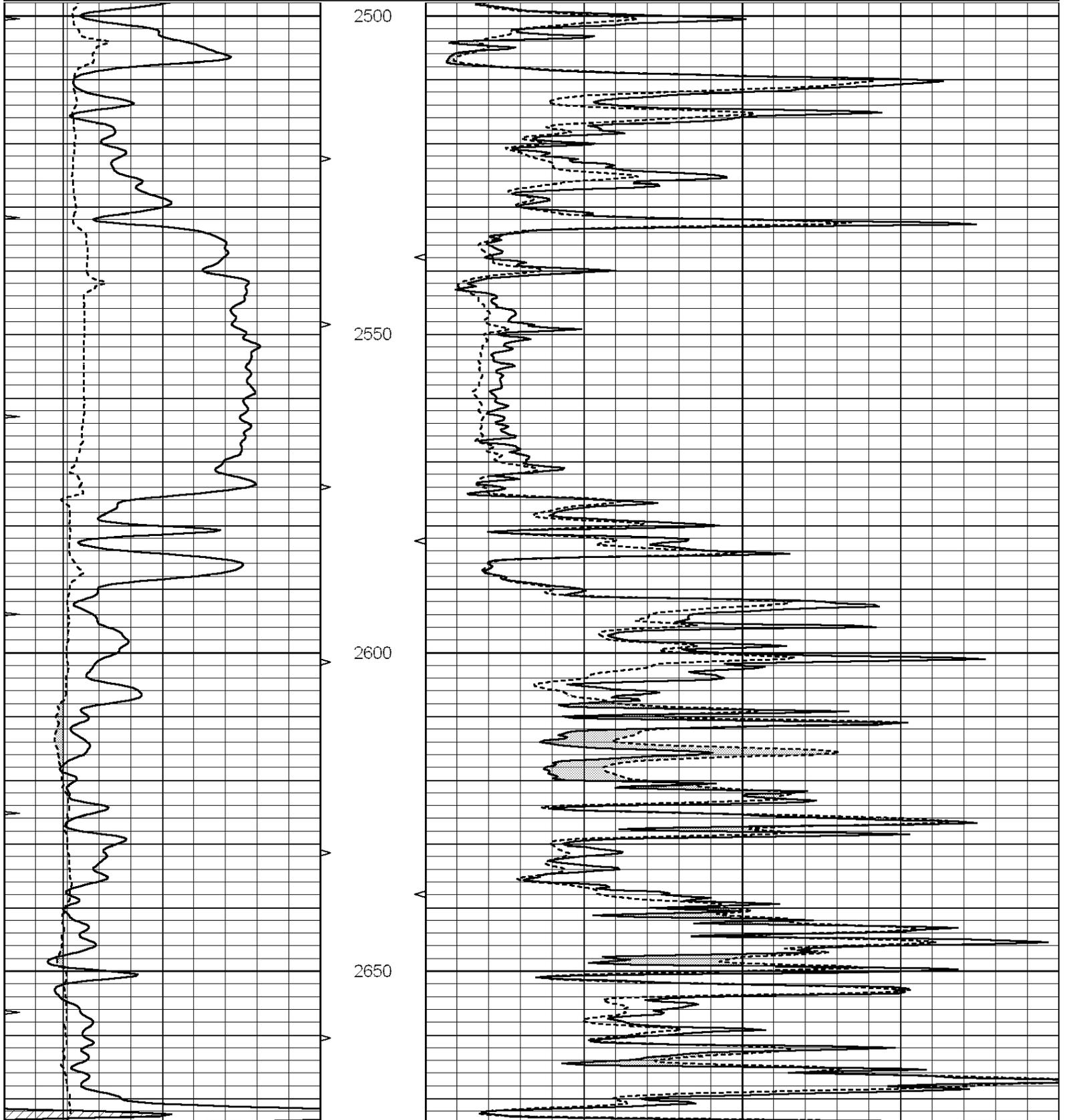
THANK YOU FOR USING "NABORS" HAYS, KANSAS (785) 628-6395
DIRECTIONS
ELLINWOOD, KS., S. ON BLKTOP TO 5 MILE RD., 3 1/2E., S. INTO

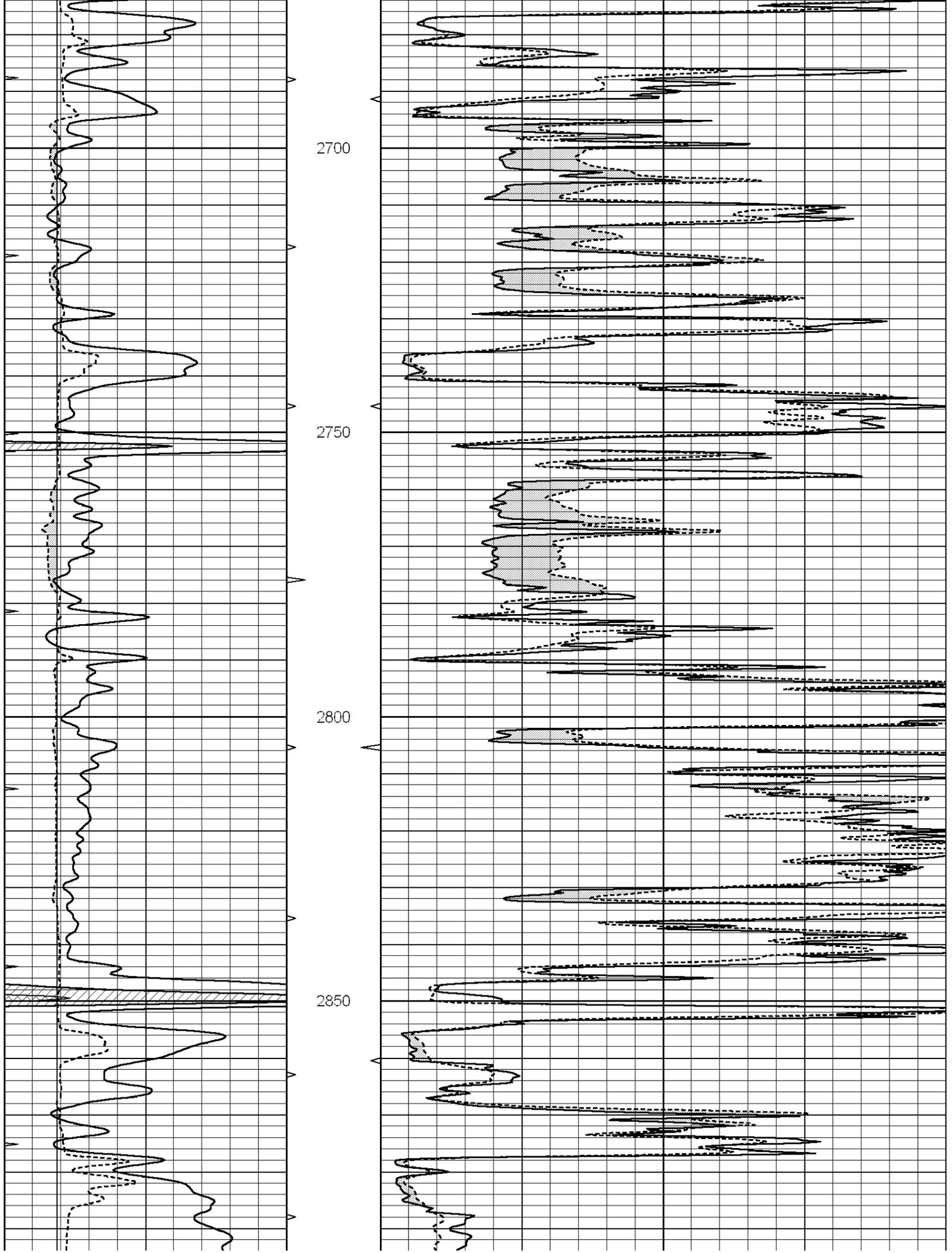


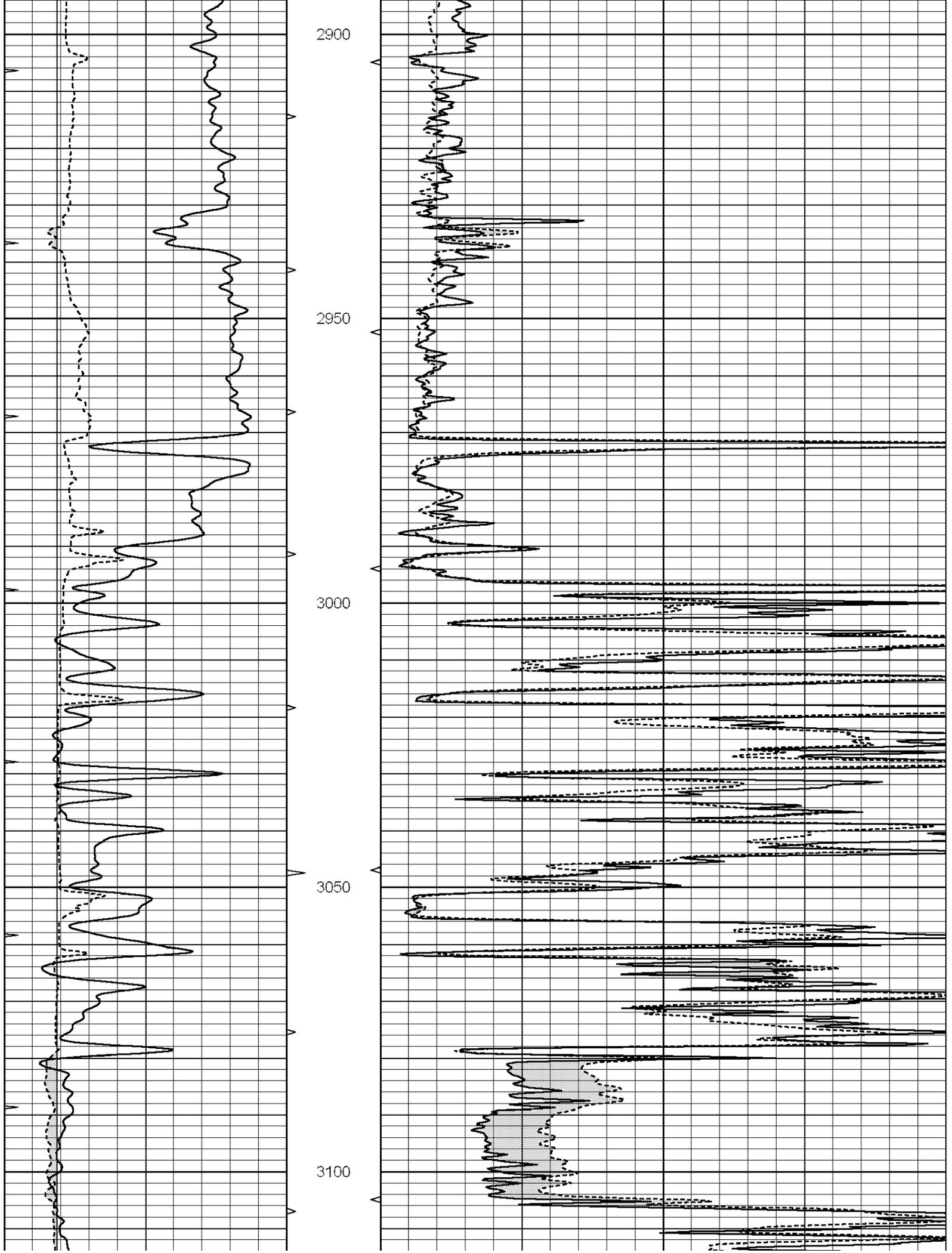
MAIN SECTION

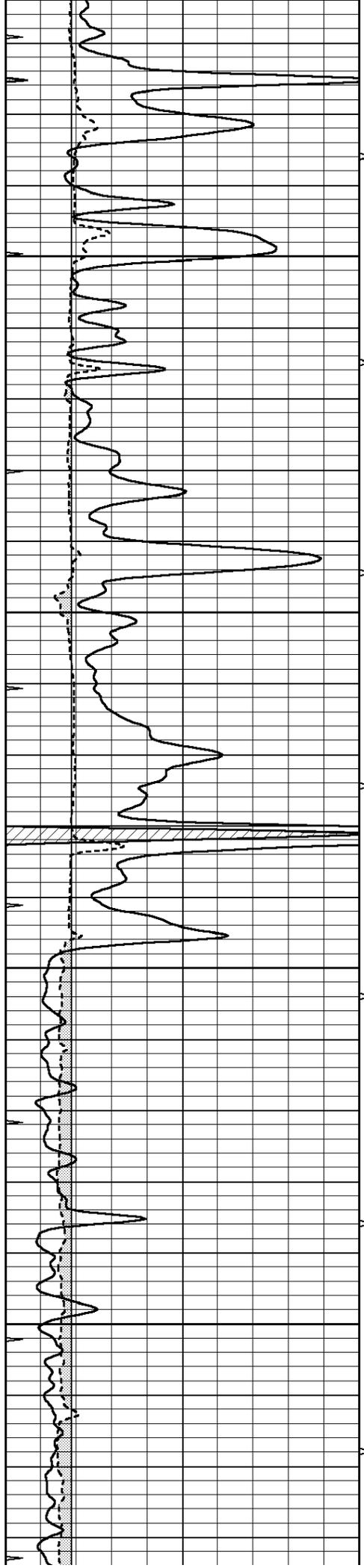
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 Dataset Pathname: pass6.1
 Presentation Format: micro
 Dataset Creation: Fri Jun 20 10:59:46 2014 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

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		







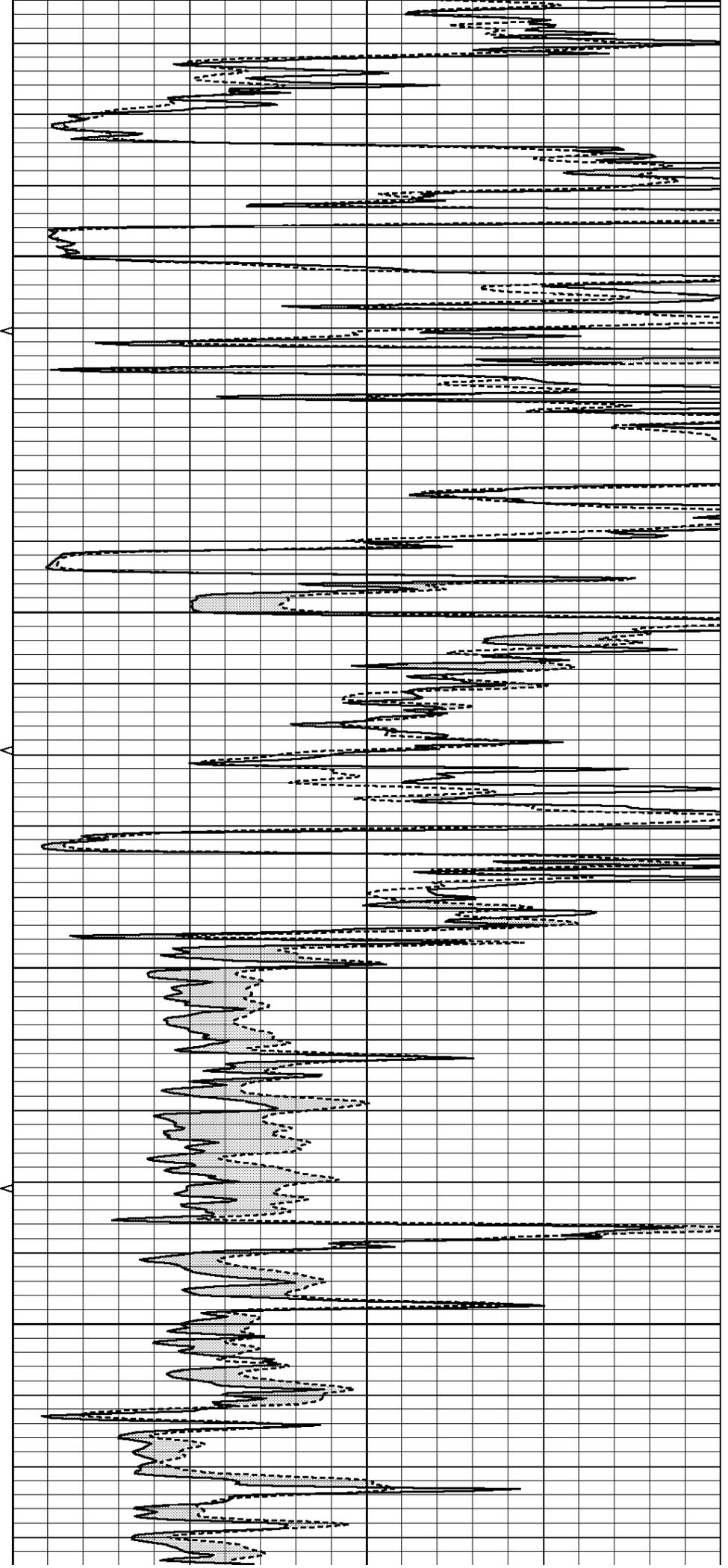


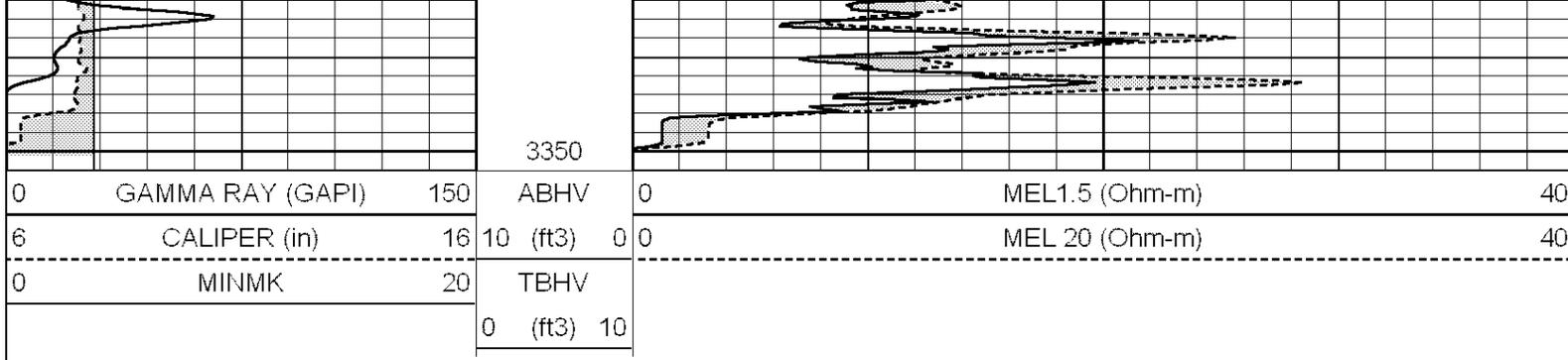
3150

3200

3250

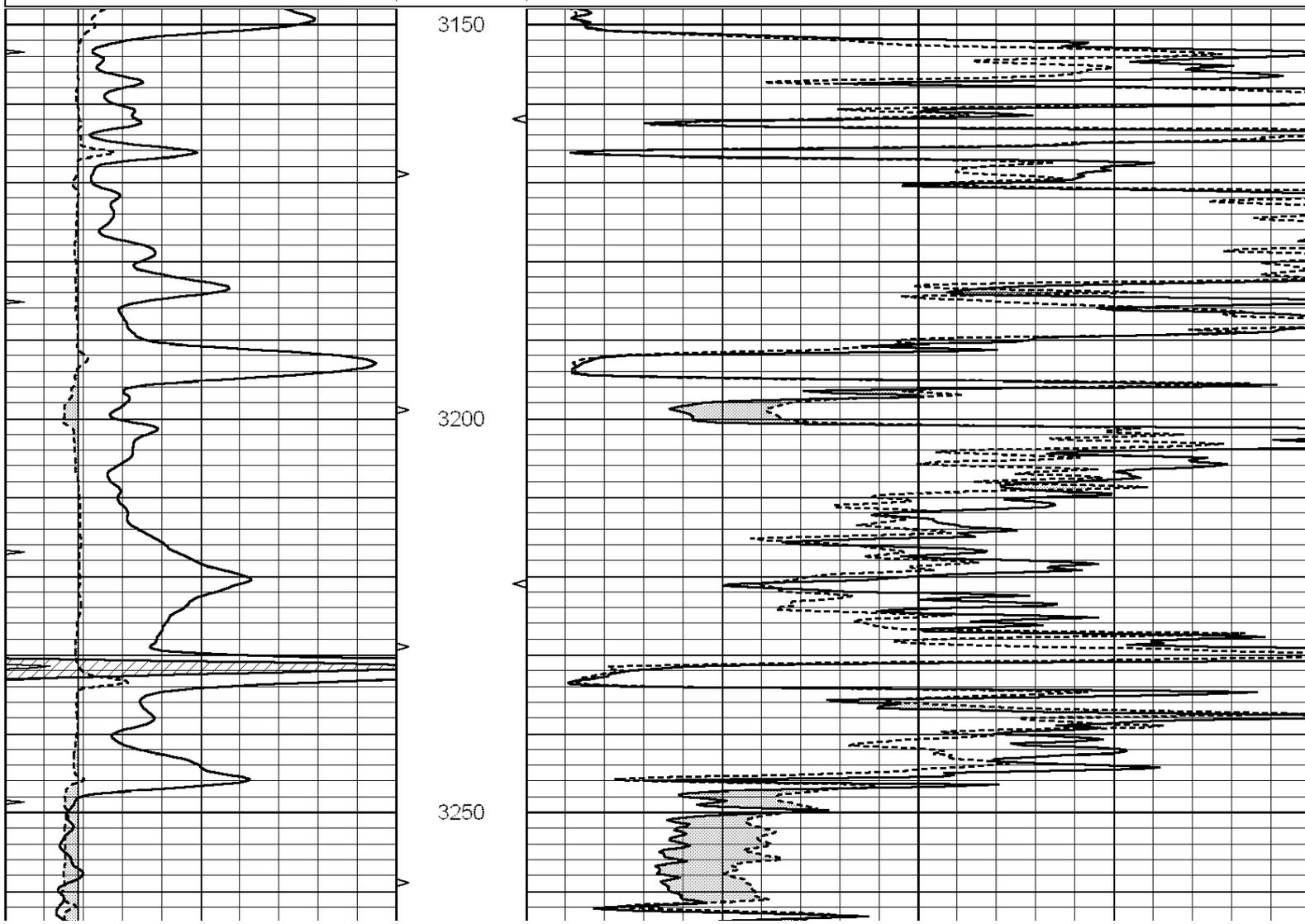
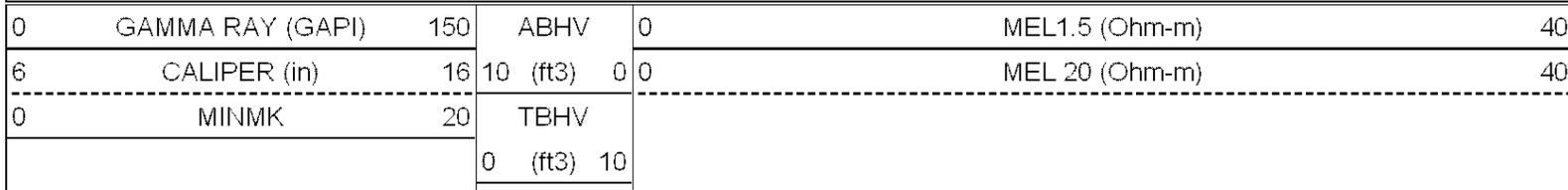
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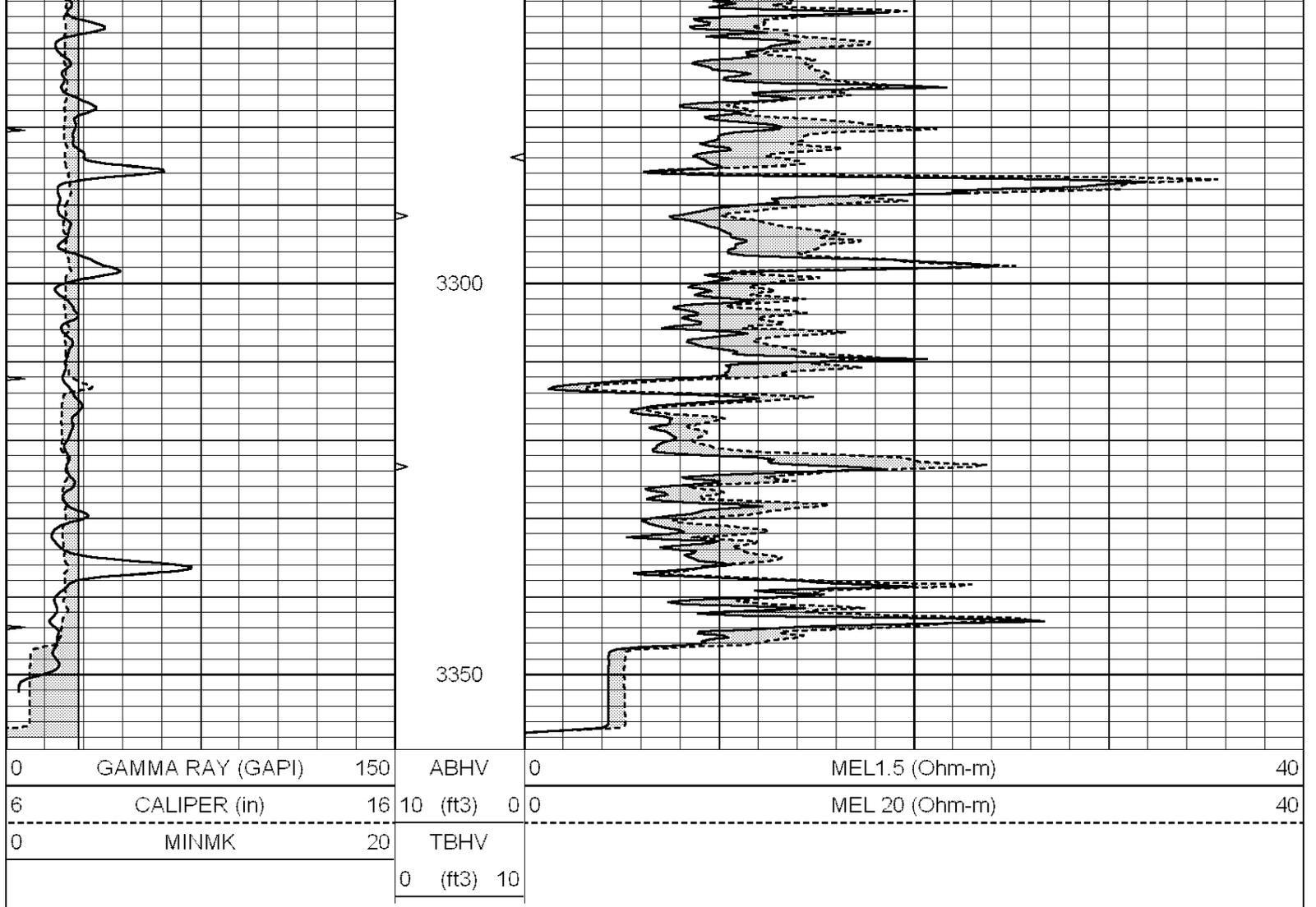




REPEAT SECTION

Database File: 24168ddn.db
 Dataset Pathname: pass5.1
 Presentation Format: micro
 Dataset Creation: Fri Jun 20 10:28:04 2014 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: 24168ddn.db
 Dataset Pathname: pass6.1
 Dataset Creation: Fri Jun 20 10:59:46 2014 by Calc SOC 120430

MICRO Calibration Report

Serial Number:	070910	
Tool Model:	ProbeN	
Performed:	Mon Apr 28 07:45:19 2014	
Caliper Calibration:	Gain=4.208	Offset=1.270
References	Low Cal	High Cal
Readings	7.800	15.000
	1.552	3.263
1.5" Calibration:	Gain=30.000	Offset=-0.500
References	Low Cal	High Cal
Readings	0.000	20.000
	0.000	1.216
2" Calibration:	Gain=58.000	Offset=-1.000
References	Low Cal	High Cal
Readings	0.000	20.000
	0.002	1.053

Gamma Ray Calibration Report

Serial Number: 070559
Tool Model: OPEN_GR
Performed: Tue Jun 10 17:15:42 2014

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.2200 GAPI/cps