



**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company	DOWNING - NELSON OIL CO., INC.	Location:	API # : 15-051-26422-00-00	Other Services CDL/CNL DIL
Well	MWE #1-7	County	ELLIS	State
Field		County	ELLIS	State
County	ELLIS	State	KANSAS	
Permanent Datum	SEC 7 TWP 13S RGE 18W	Log Measured From	1890' FSL & 1920' FEL NW - SE - NW - SE	Elevation K.B. 2171.5 D.F. 2169.5 G.L. 2163.5
Drilling Measured From	GROUND LEVEL	Elevation	2163.5	
	KELLY BUSHING 8' A.G.L.			
	KELLY BUSHING			
Date	11/26/12			
Run Number	TVMO			
Depth Driller	3889			
Depth Logger	3890			
Bottom Logged Interval	3888			
Top Log Interval	3000			
Casing Driller	220			
Casing Logger	222			
Bit Size	7.875			
Type Fluid in Hole	CHEMICAL MUD			
Density / Viscosity	8.9/55	CHLORIDES	6.000	
pH / Fluid Loss	10.0/8.0			
Source of Sample	FLOWLINE			
Rim @ Meas. Temp	0.90 @ 54F			
Rmf @ Meas. Temp	0.68 @ 54F			
Rmc @ Meas. Temp	1.08 @ 54F			
Source of Rmf / Rmc	MEASURED			
Rim @ BHT	0.42 @ 115F			
Time Circulation Stopped	2 HOURS			
Time Logger on Bottom				
Maximum Recorded Temperature	115F			
Equipment Number	860			
Location	HAYS, KS.			
Recorded By	IAN MABB	JEFF GRONEWEG		
Witnessed By	AL DOWNING			

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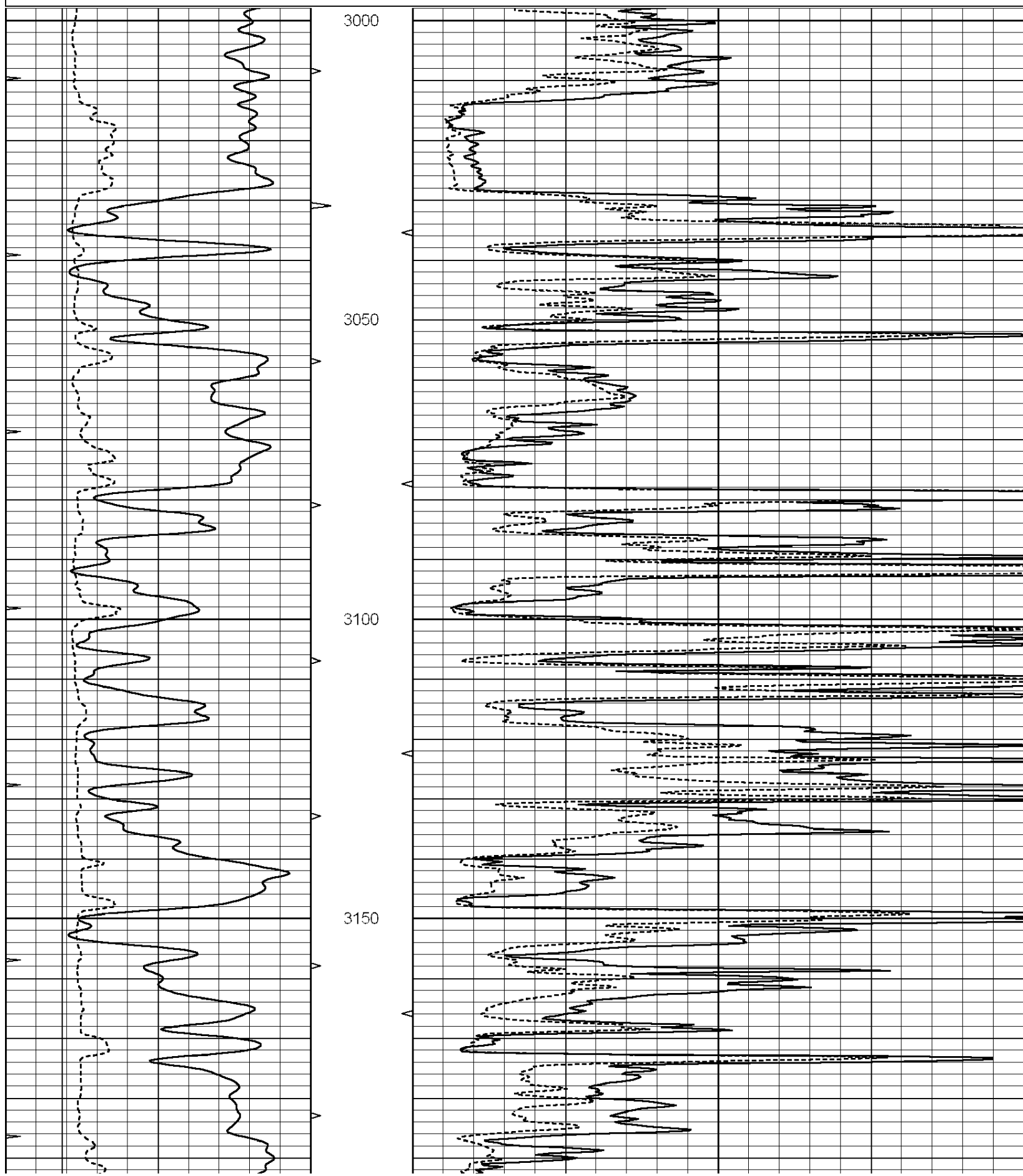
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

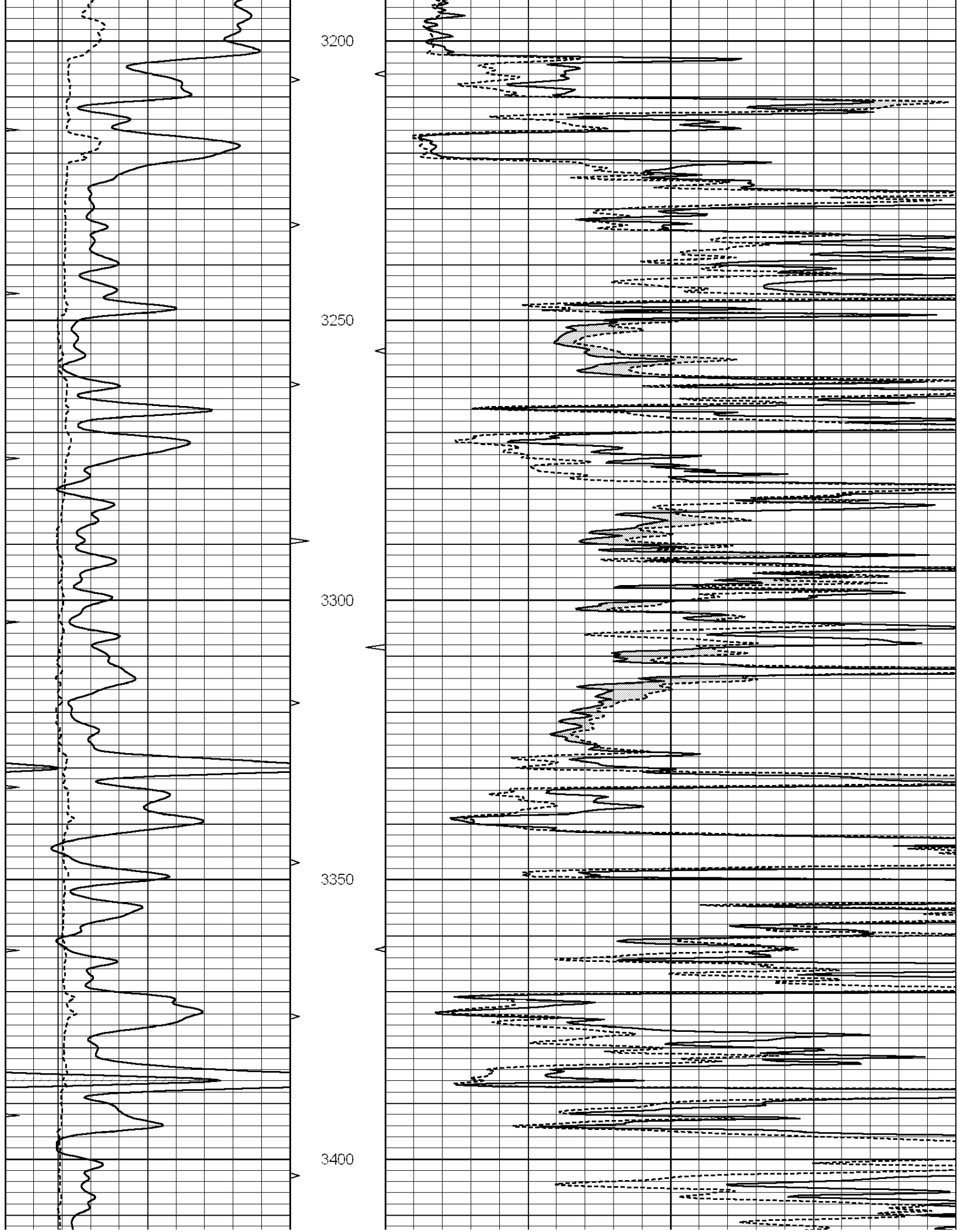
Comments

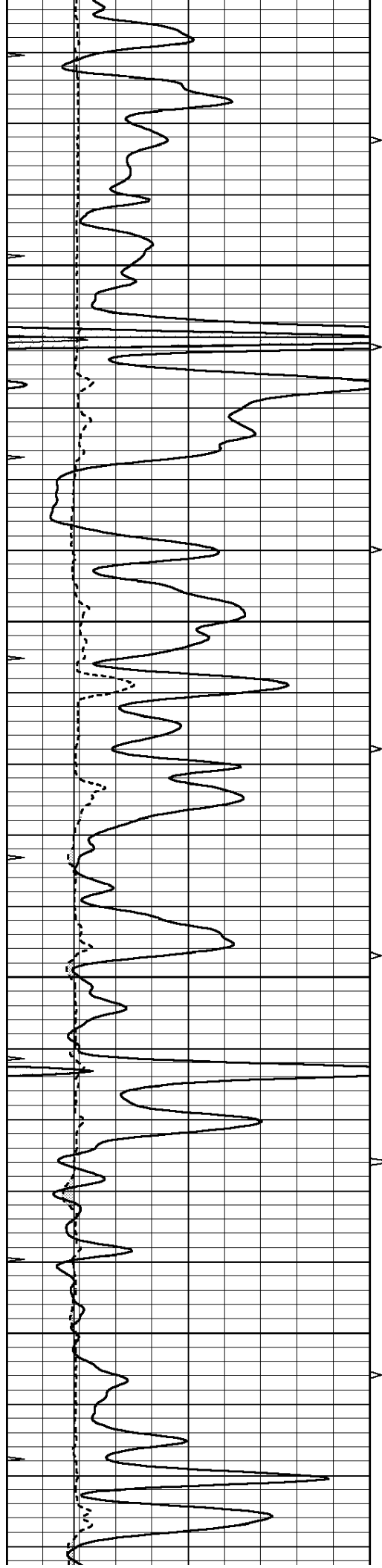
NABORS COMPLETION & PRODUCTION CO.
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: HAYS, KS. BYPASS & 1-70 - NORTH 2 MILES WEST INTO

0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16
0	MINMK	20

0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40





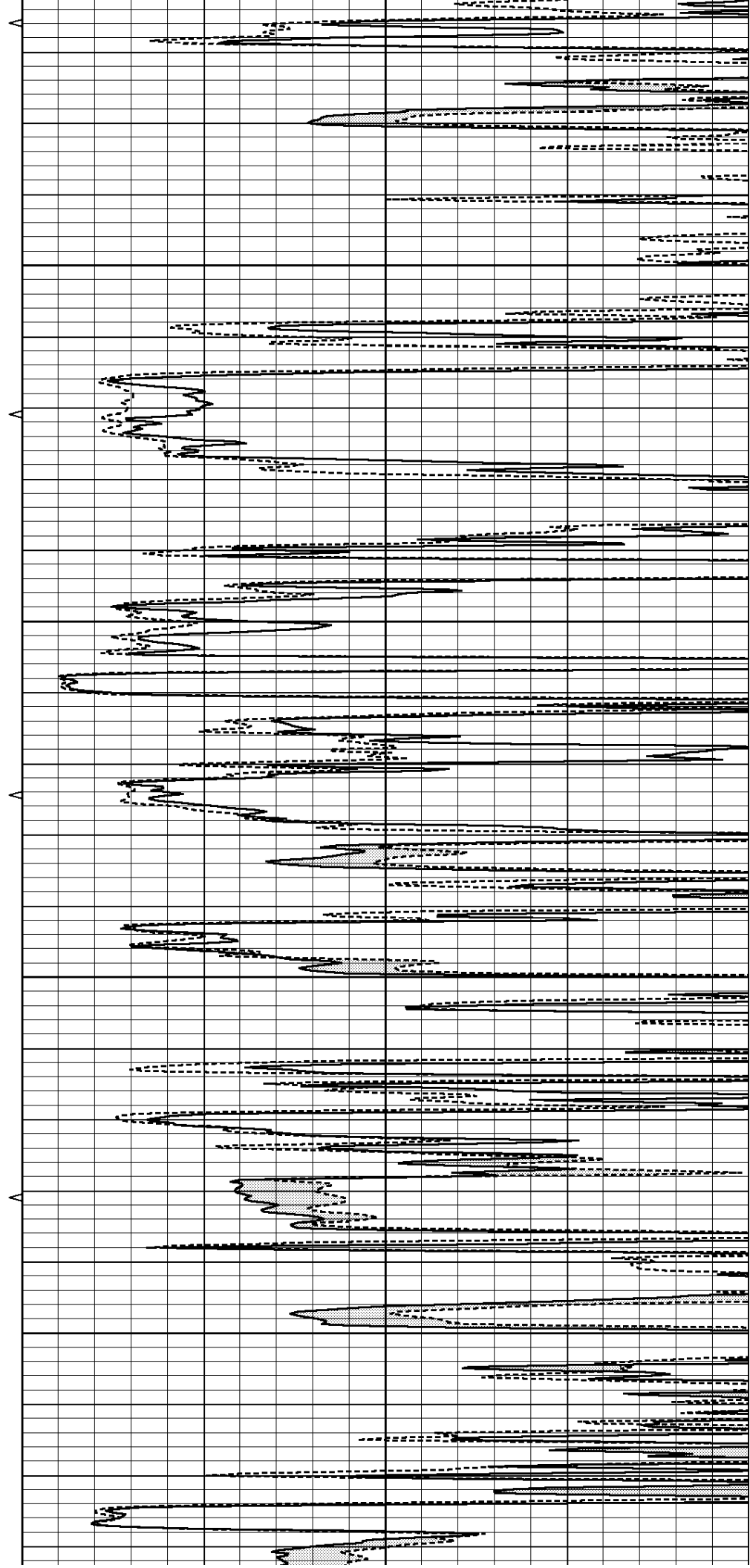


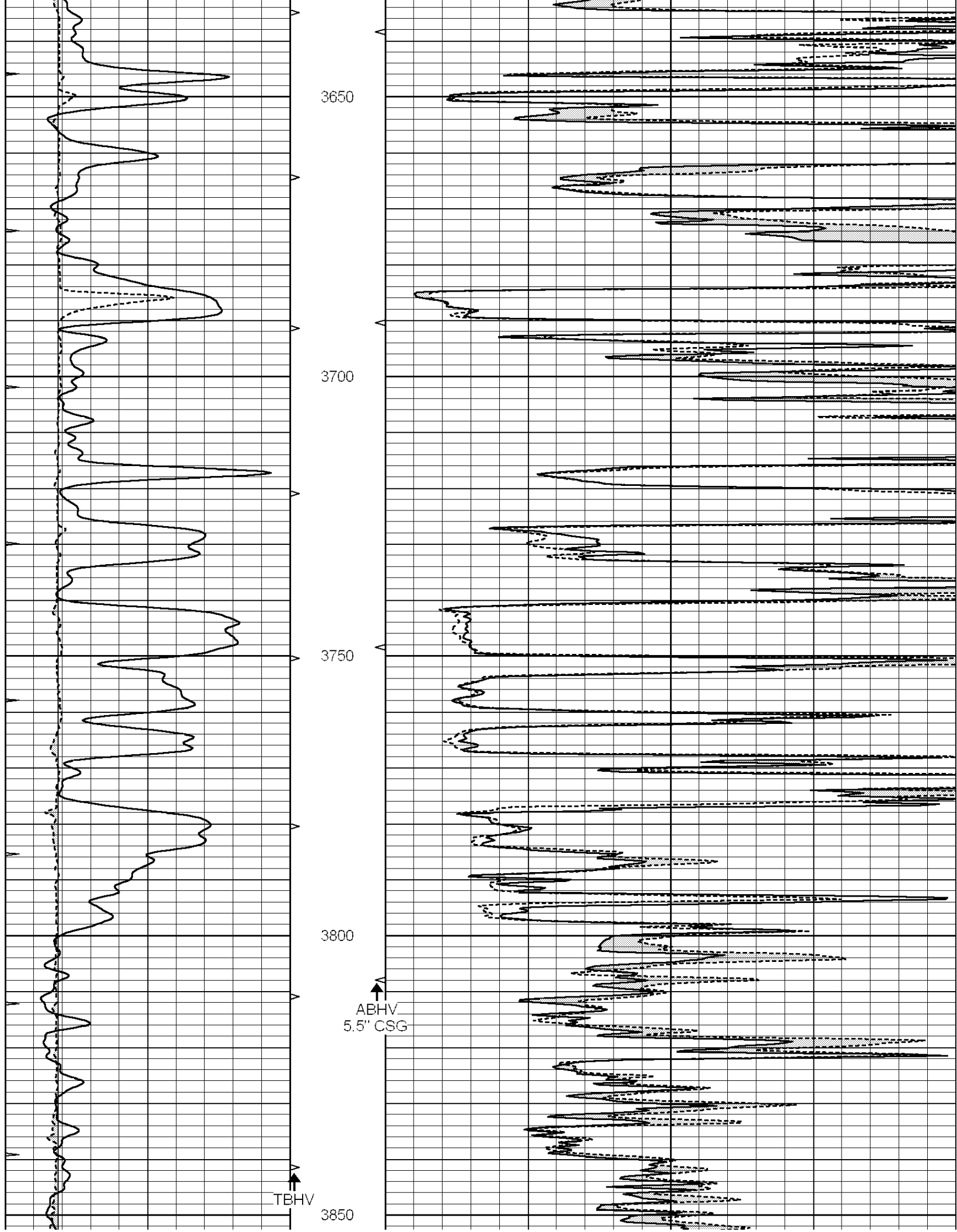
3450

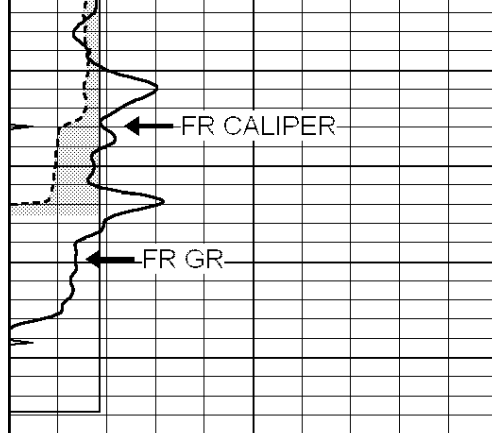
3500

3550

3600

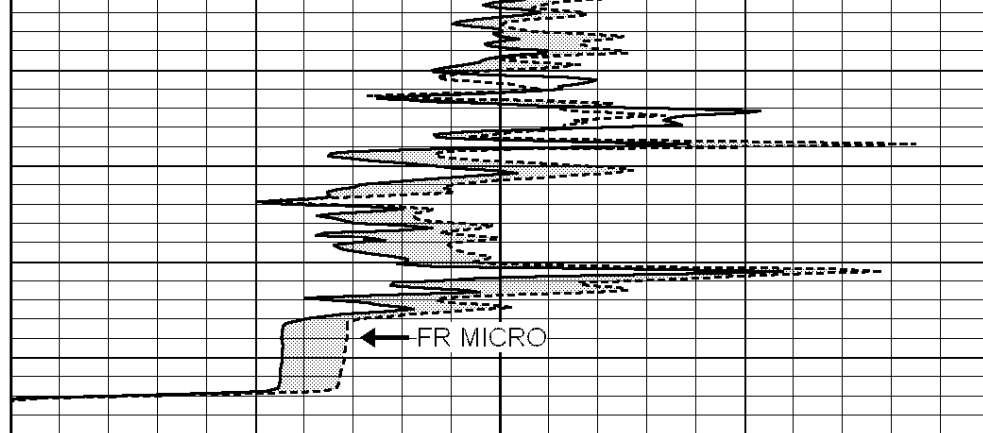






LTD 3890

0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16
0	MINMK	20



0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40

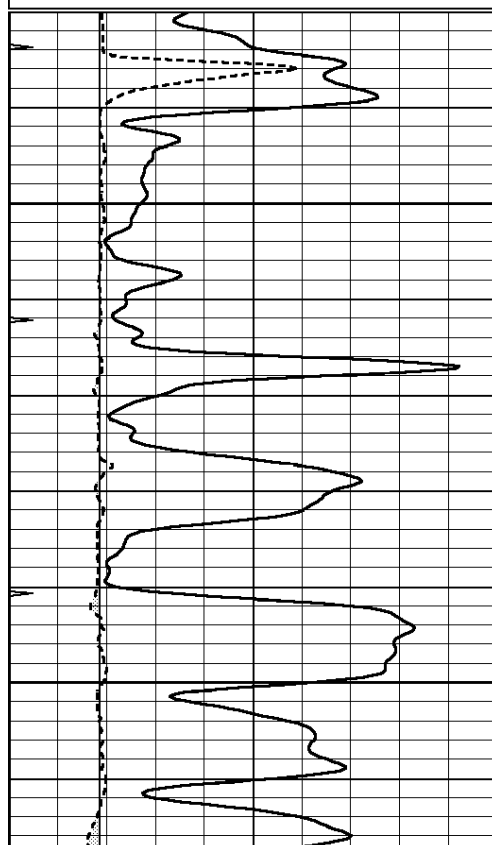


REPEAT SECTION

Database File: 010152ddn.db
 Dataset Pathname: pass4.2
 Presentation Format: micro
 Dataset Creation: Mon Nov 26 14:06:31 2012
 Charted by: Depth in Feet scaled 1:240

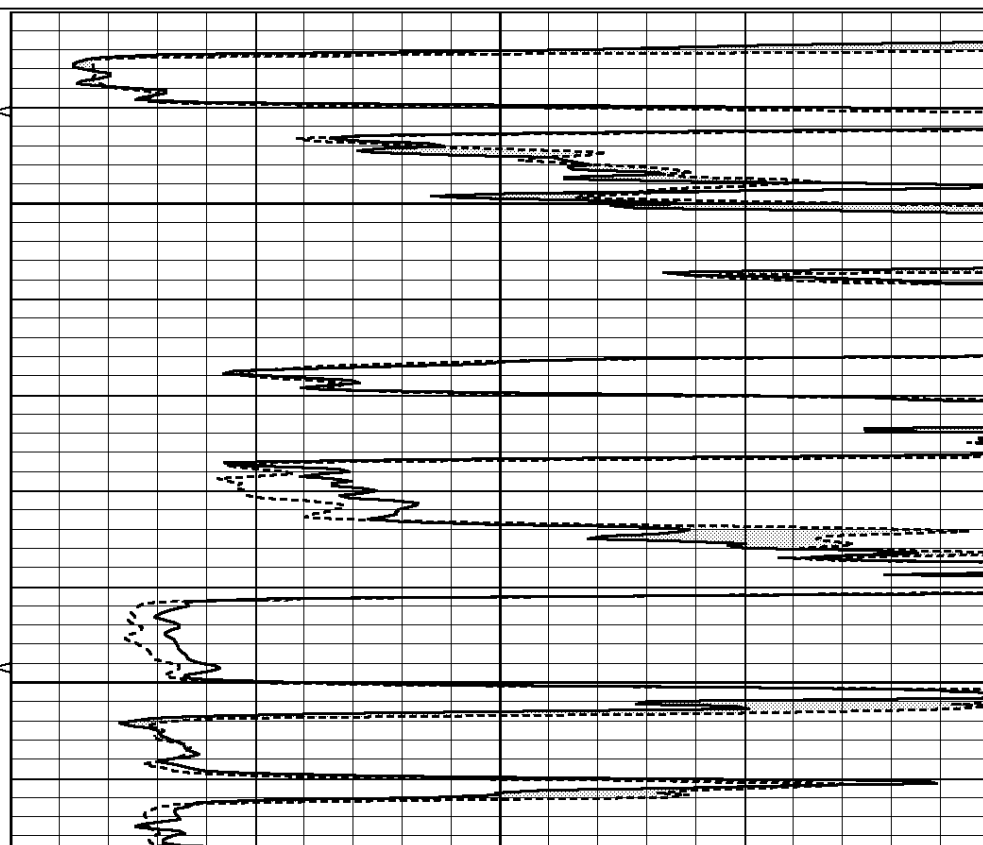
0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16
0	MINMK	20

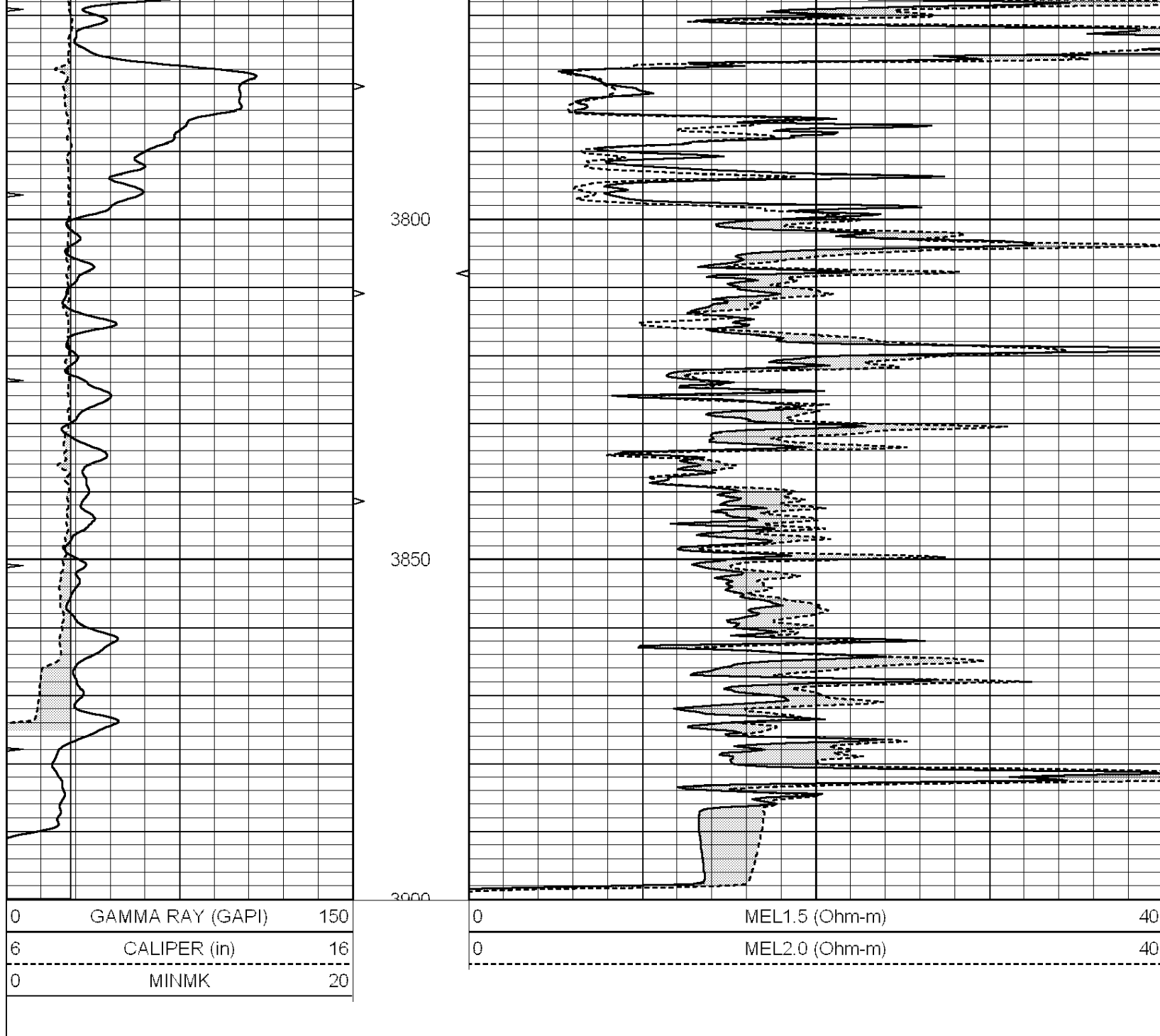
0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40



3700

3750





Calibration Report

Database File: 010152ddn.db
 Dataset Pathname: pass4.2
 Dataset Creation: Mon Nov 26 14:06:31 2012

MICRO Calibration Report

Serial Number: MICRO4
 Tool Model: PROBE
 Performed: Thu Nov 15 21:25:26 2012

Caliper Calibration: Gain=1.212 Offset=1.048

References	Low Cal	High Cal
Readings	7.650	11.000
	5.449	8.214

1.5" Calibration: Gain=46.000 Offset=-1.000

References	Low Cal	High Cal
Readings	0.000	20.000
	0.009	1.541
2" Calibration:	Gain=45.000	Offset=-0.500
	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	1.198
Gamma Ray Calibration Report		
Serial Number:	GR5	
Tool Model:	OPEN	
Performed:	Sun Nov 18 01:33:42 2012	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.7500	GAPI/cps