



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company		DOWNING - NELSON OIL CO. INC.	
Well		TAMMY "A" UNIT #1	
Field		WAKEENEY	
County		TREGO	
State		KANSAS	
Company		DOWNING - NELSON OIL COMPANY, INC.	
Well		TAMMY "A" UNIT #1	
Field		WAKEENEY	
County		TREGO	
State		KANSAS	
Location:		API # : 15-195-22855-0000	
SEC 26 TWP 11S RGE 23W		CDL/CNL DIL/SONIC	
Permanent Datum		GROUND LEVEL	
Log Measured From		Elevation 2382	
Drilling Measured From		KELLY BUSHING 8' A.G.L. KELLY BUSHING	
Elevation		K.B. 2390 D.F. 2388 G.L. 2382	
Date	3/22/13		
Run Number	TWO		
Depth Driller	4150		
Depth Logger	4150		
Bottom Logged Interval	4128		
Top Log Interval	3300		
Casing Driller	8 5/8"@221'		
Casing Logger	221		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.2/50		
pH / Fluid Loss	9.5/7.6		
Source of Sample	FLOWLINE		
Rin @ Meas. Temp	.950@74F		
Rinf @ Meas. Temp	.713@74F		
Rinc @ Meas. Temp	1.14@74F		
Source of Rinf / Rinc	MEASUREMENT		
Rin @ BHT	.601@117F		
Time Circulation Stopped	4 HOURS		
Time Logger on Bottom	7:45 A.M.		
Maximum Recorded Temperature	117F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	RON NELSON		

<<< 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, KANSAS (785) 628-6395
DIRECTIONS
WAKEENEY, KS. (N. EDGE) TO HIXON RD., "H RD.", 1E. TO "270TH RD.", 2 1/2N., 1/2 E. INTO

Database File:

010729ddn.db

Dataset Pathname:

pass8.3

Presentation Format:

_micro

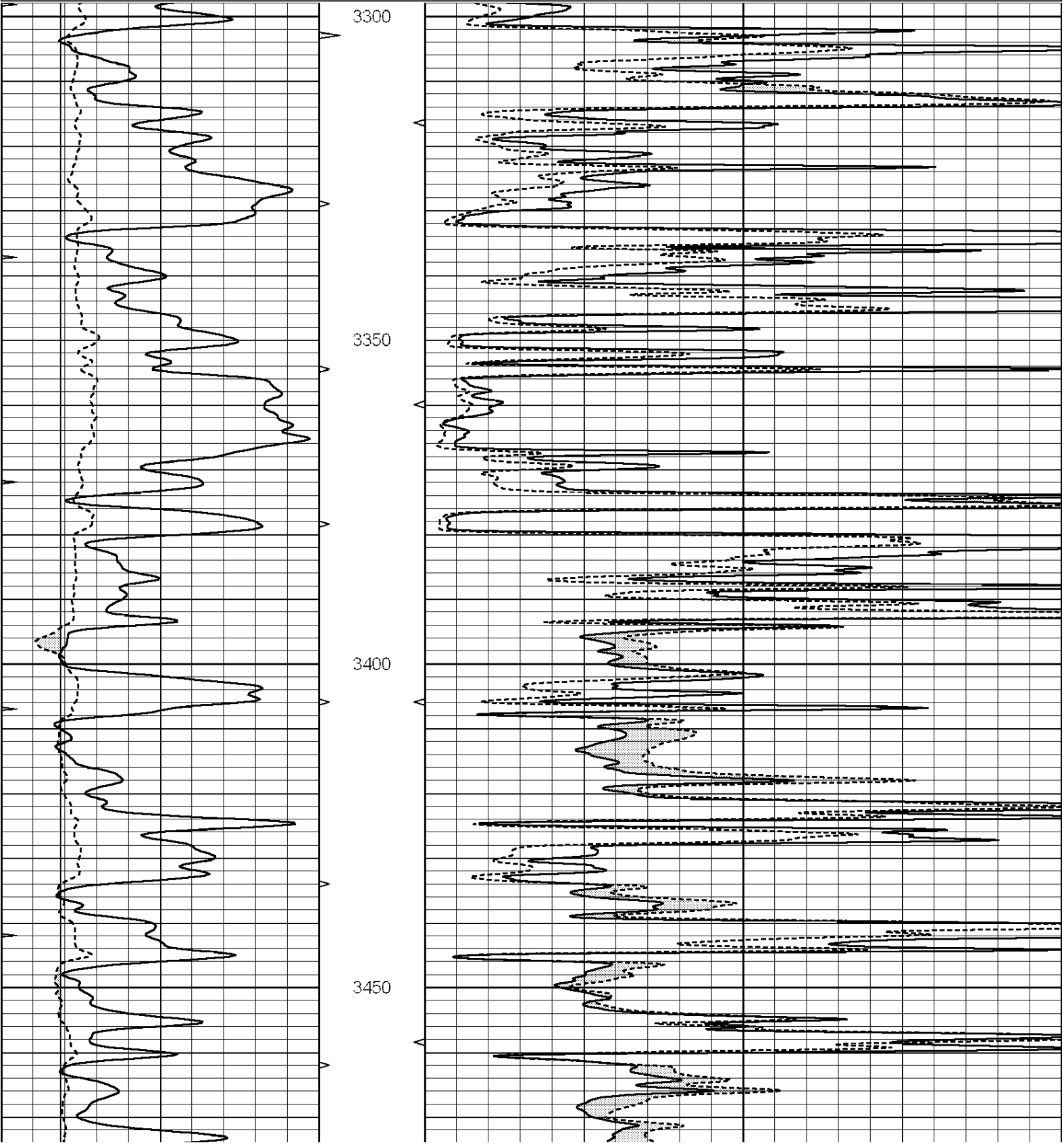
Dataset Creation:

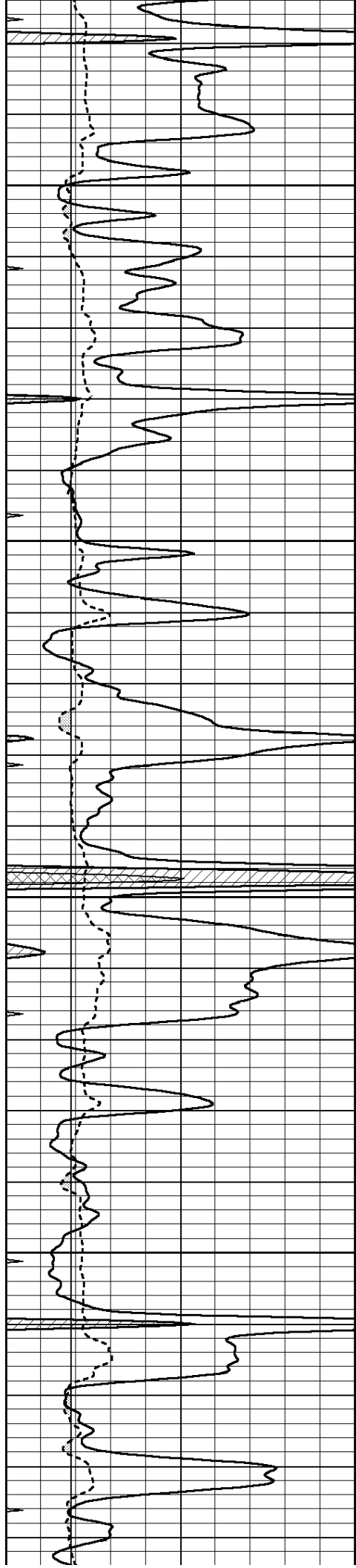
Fri Mar 22 11:15:51 2013

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		



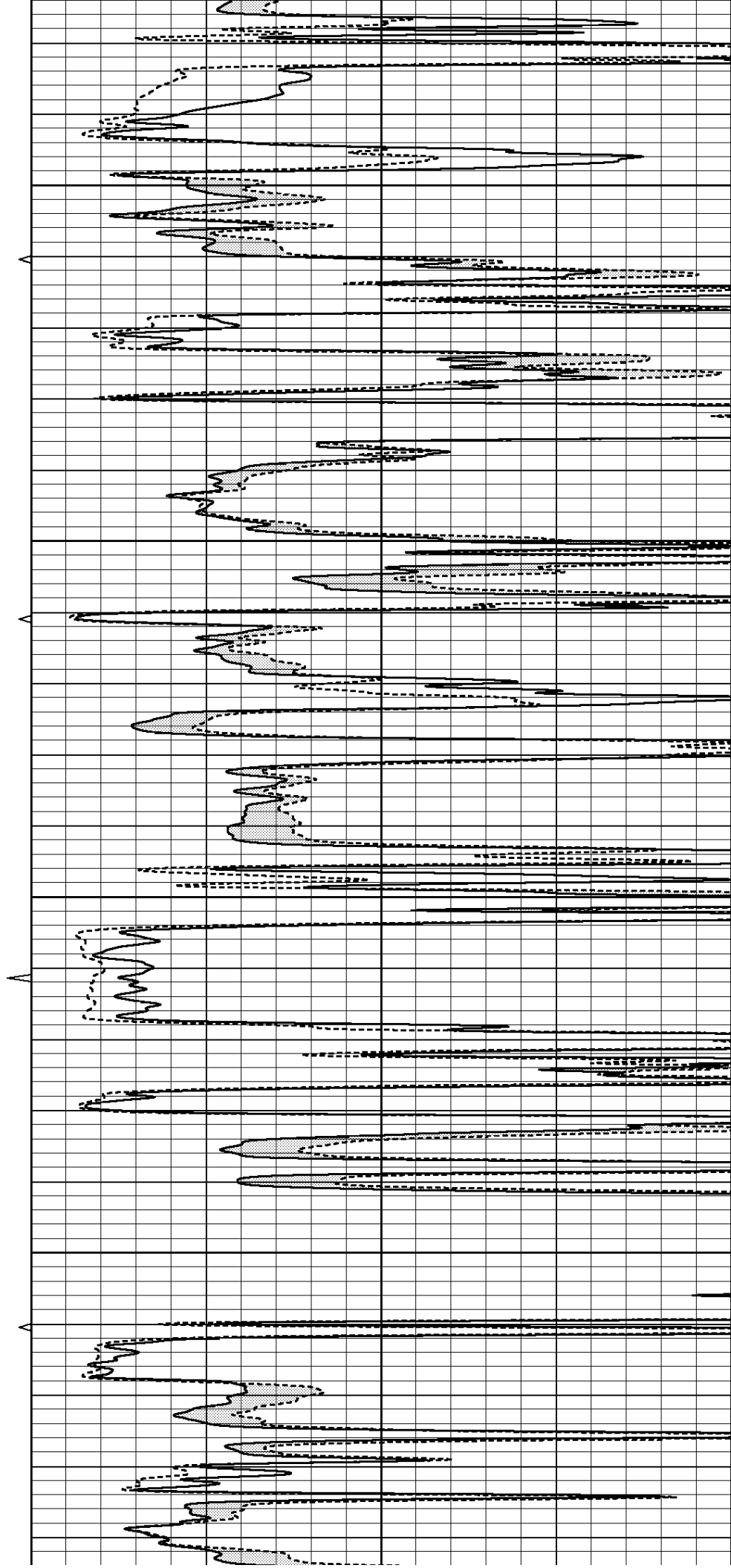


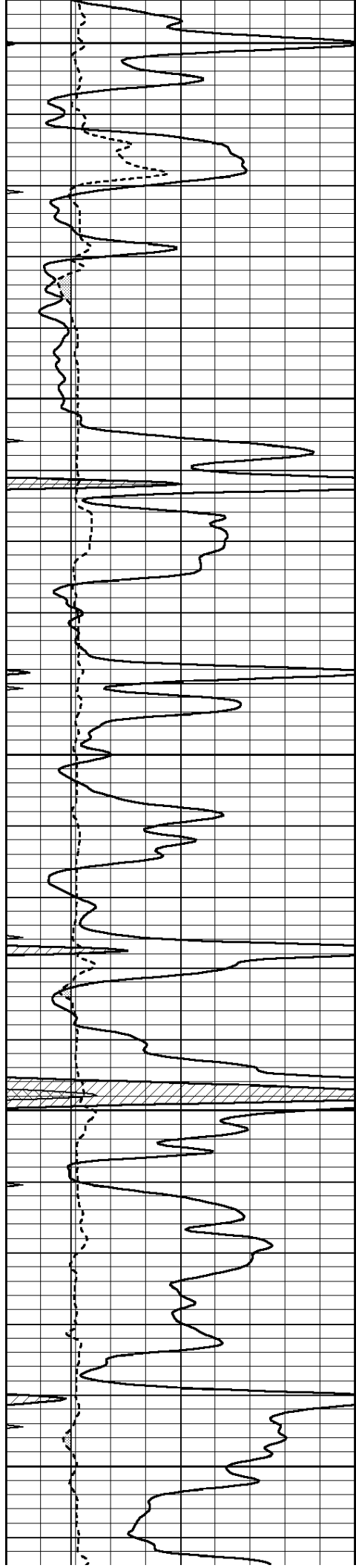
3500

3550

3600

3650





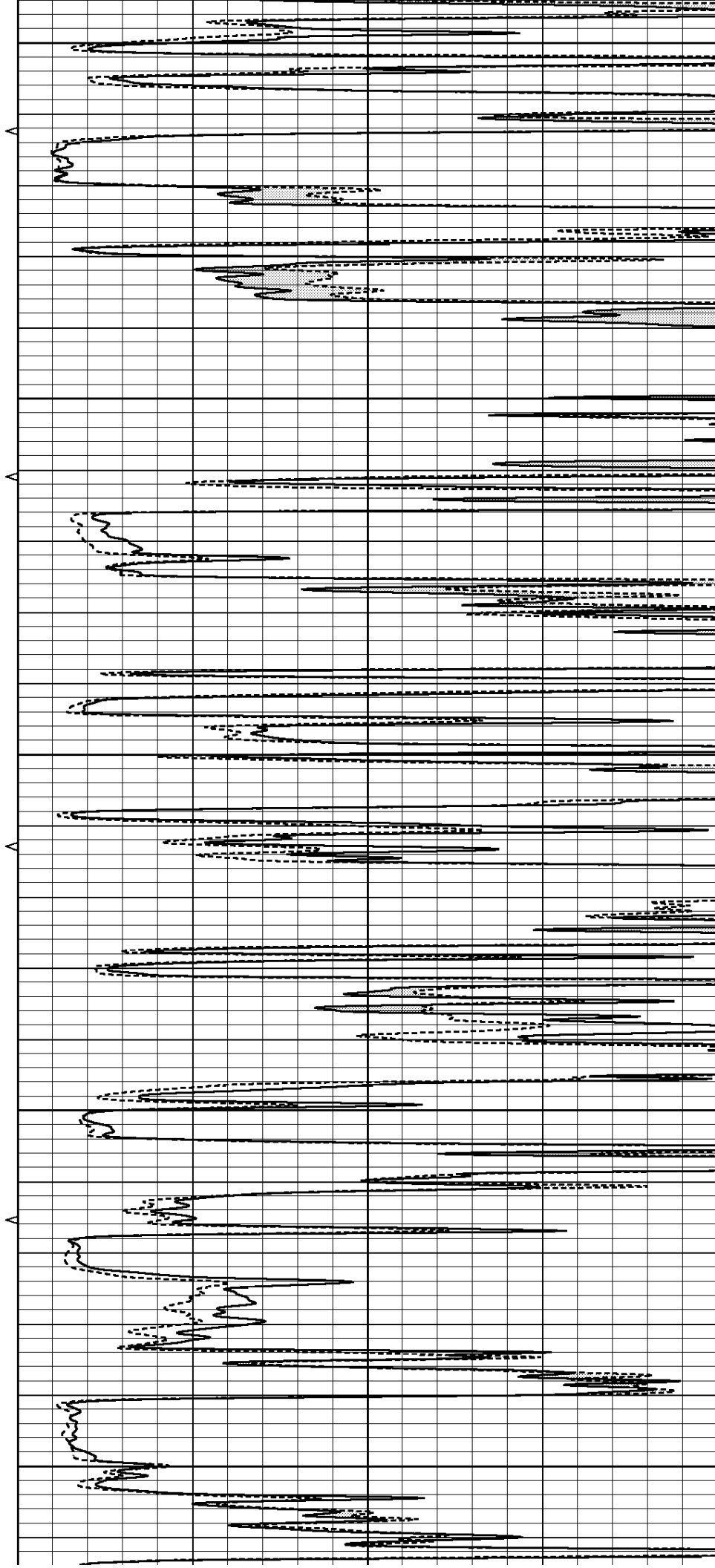
3700

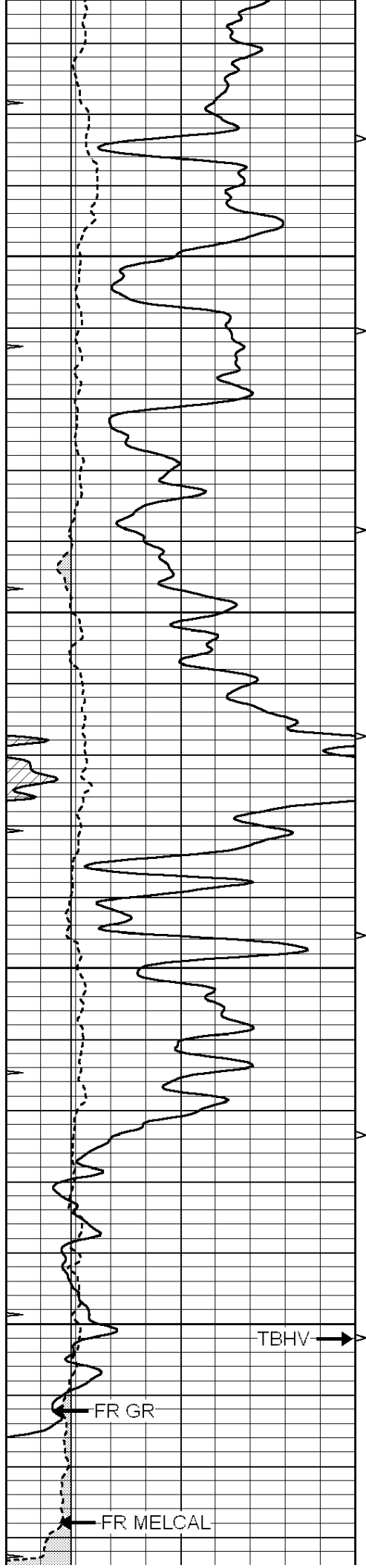
3750

3800

3850

3900





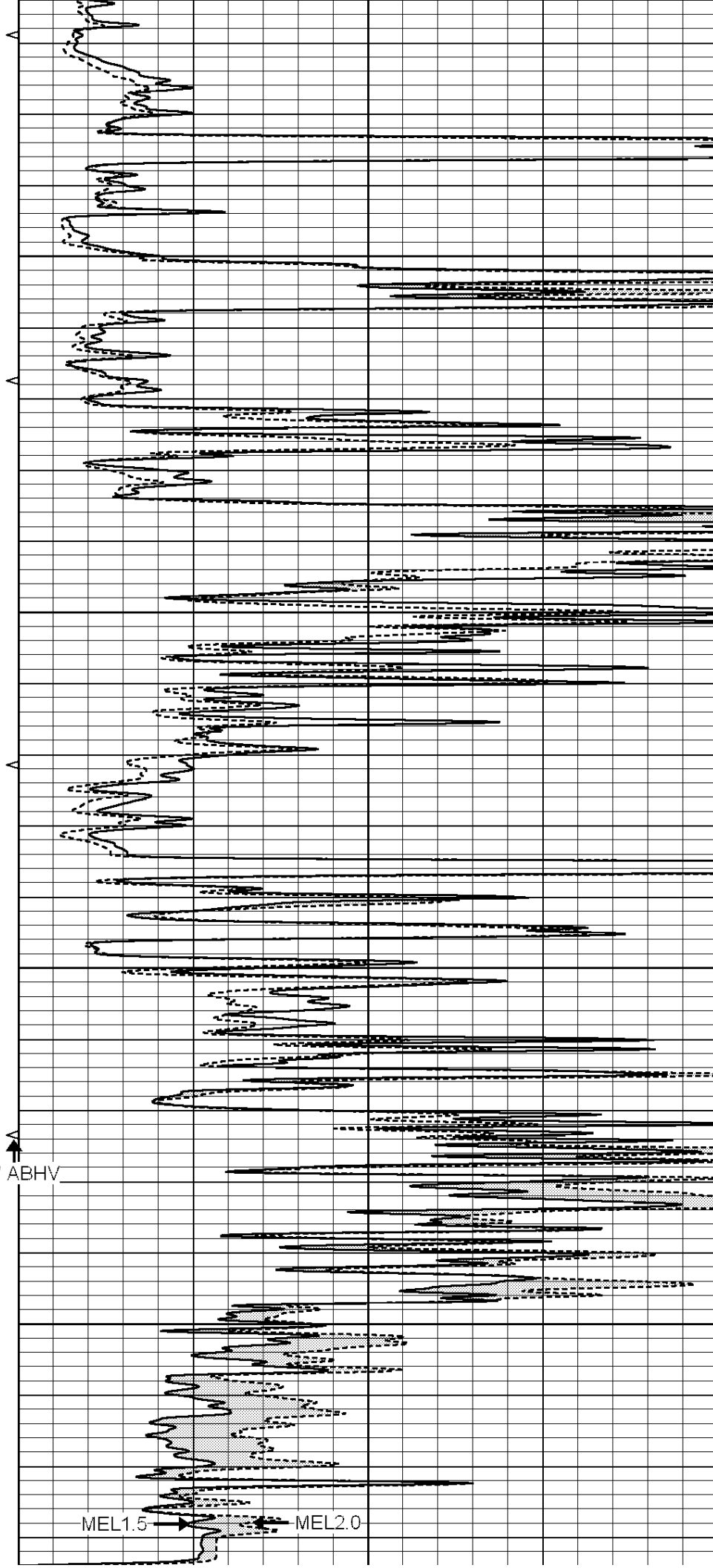
3950

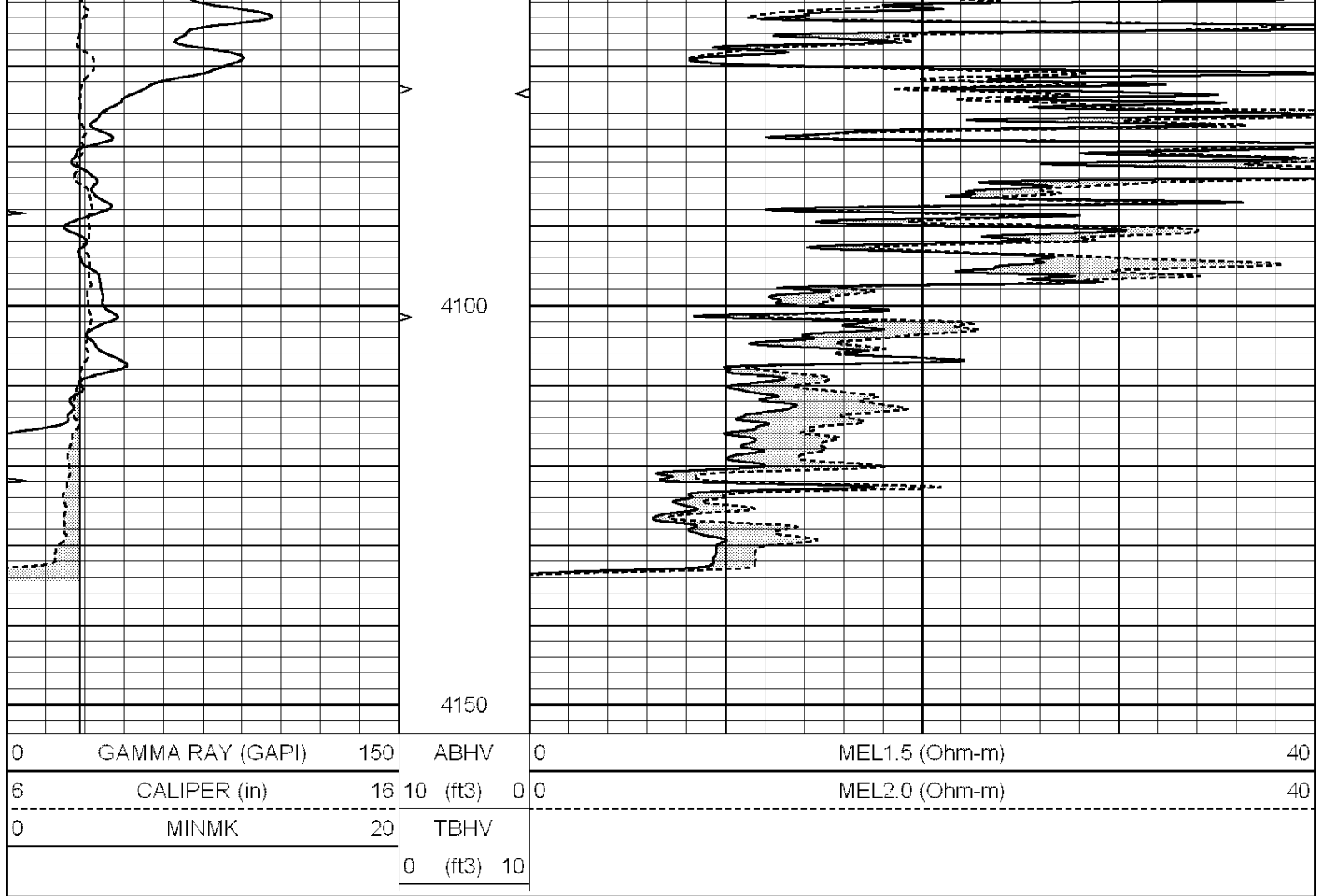
4000

4050

4100

5.5" ABHV





Calibration Report			
Database File:	010729ddn.db		
Dataset Pathname:	pass8.3		
Dataset Creation:	Fri Mar 22 11:15:51 2013		
MICRO Calibration Report			
Serial Number:	2		
Tool Model:	PROBE		
Performed:	Fri Mar 22 10:22:07 2013		
Caliper Calibration:	Gain=8.481	Offset=1.855	
	Low Cal	High Cal	
References	7.800	15.000	
Readings	0.701	1.550	
1.5" Calibration:	Gain=48.000	Offset=-2.000	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.015	0.458	
2" Calibration:	Gain=46.000	Offset=-1.000	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.003	0.384	
Gamma Ray Calibration Report			
Serial Number:	GR4		

Tool Model:	OPEN
Performed:	Fri Mar 15 12:59:42 2013

Calibrator Value:	200.0	GAPI
-------------------	-------	------

Background Reading:	0.0	cps
Calibrator Reading:	189.0	cps

Sensitivity:	2.3000	GAPI/cps
--------------	--------	----------