



SUPERIOR
Hays,
Kansas

MICRO LOG

LIBERTY OPERATIONS & COMPLETIONS

Company
Well
Field
County
State

LIBERTY OPERATIONS & COMPLETIONS
LAMBERT #2
KERN WEST
ROOKS
KANSAS

Company
Well
Field
County
State

LIBERTY OPERATIONS & COMPLETIONS, INC.
LAMBERT #2
KERN WEST
ROOKS
KANSAS

Location:
Permanent Datum
Log Measured From
Drilling Measured From

3630' FSL & 990' FEL
NW - SE - NE
SEC 29 TWP 9S RGE 20W
GROUND LEVEL
KELLY BUSHING 8' A.G.L.
KELLY BUSHING

API # : 15-163-20674-0001
Elevation
2294
Other Services
RAG
Elevation
K.B. 2304
D.F. 2302
G.L. 2294

Date	4/27/11		
Run Number	ONE		
Depth Driller	3966		
Depth Logger	3946		
Bottom Logged Interval	3944		
Top Log Interval	3200		
Casing Driller	8 5/8" @ 25'		
Casing Logger			
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5000 PPM	
Density / Viscosity	8.6/76		
pH / Fluid Loss	9.5/8.8		
Source of Sample	FLOWLINE		
Rin @ Meas. Temp	1.00 @ 64F		
Rmf @ Meas. Temp	0.75 @ 64F		
Rmc @ Meas. Temp	1.20 @ 64F		
Source of Rmf / Rmc	MEASURED		
Rin @ BHT	0.55 @ 117F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	117F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JEFF GRONEMEG		
Witnessed By	ROGER COMEAU		

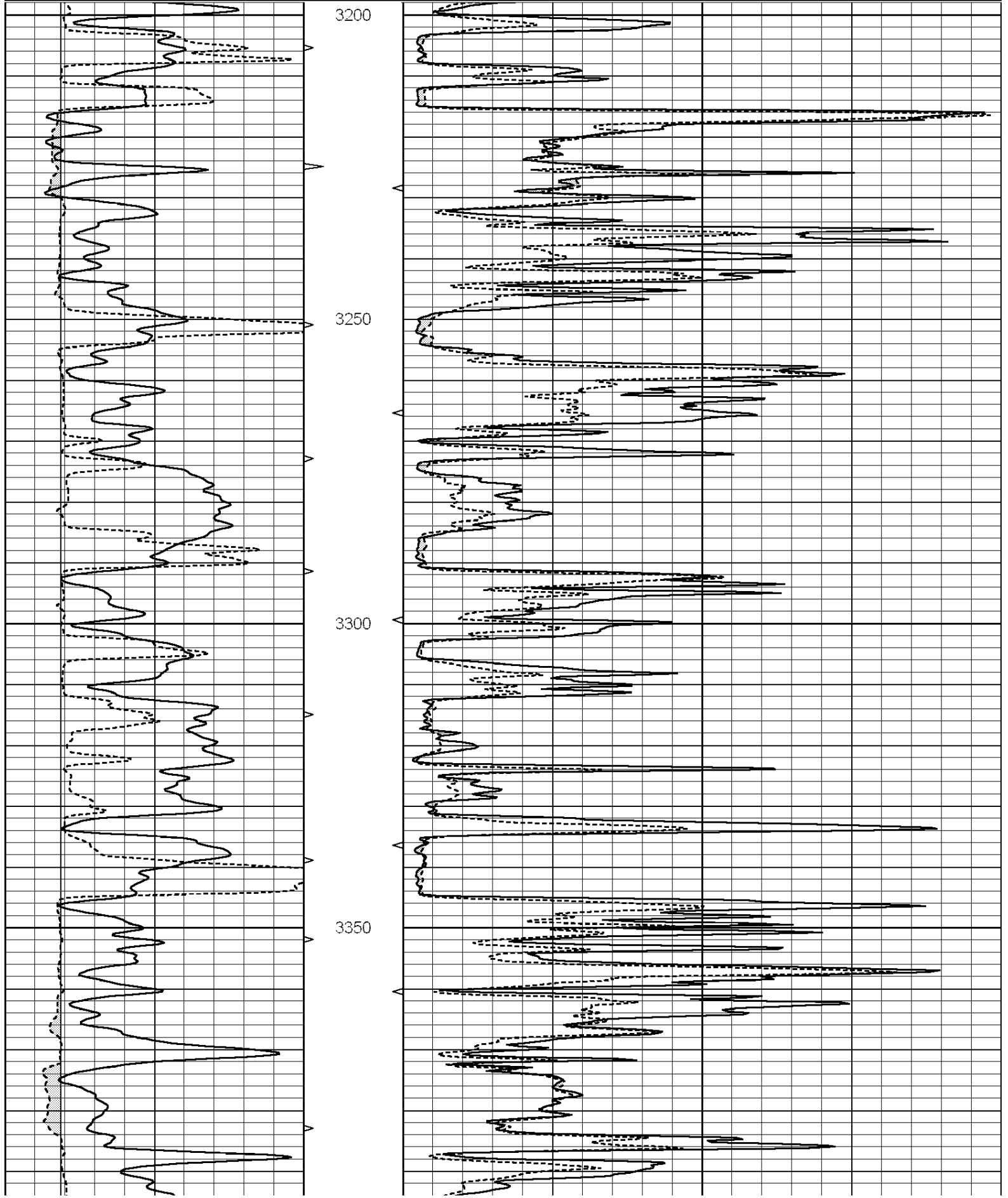
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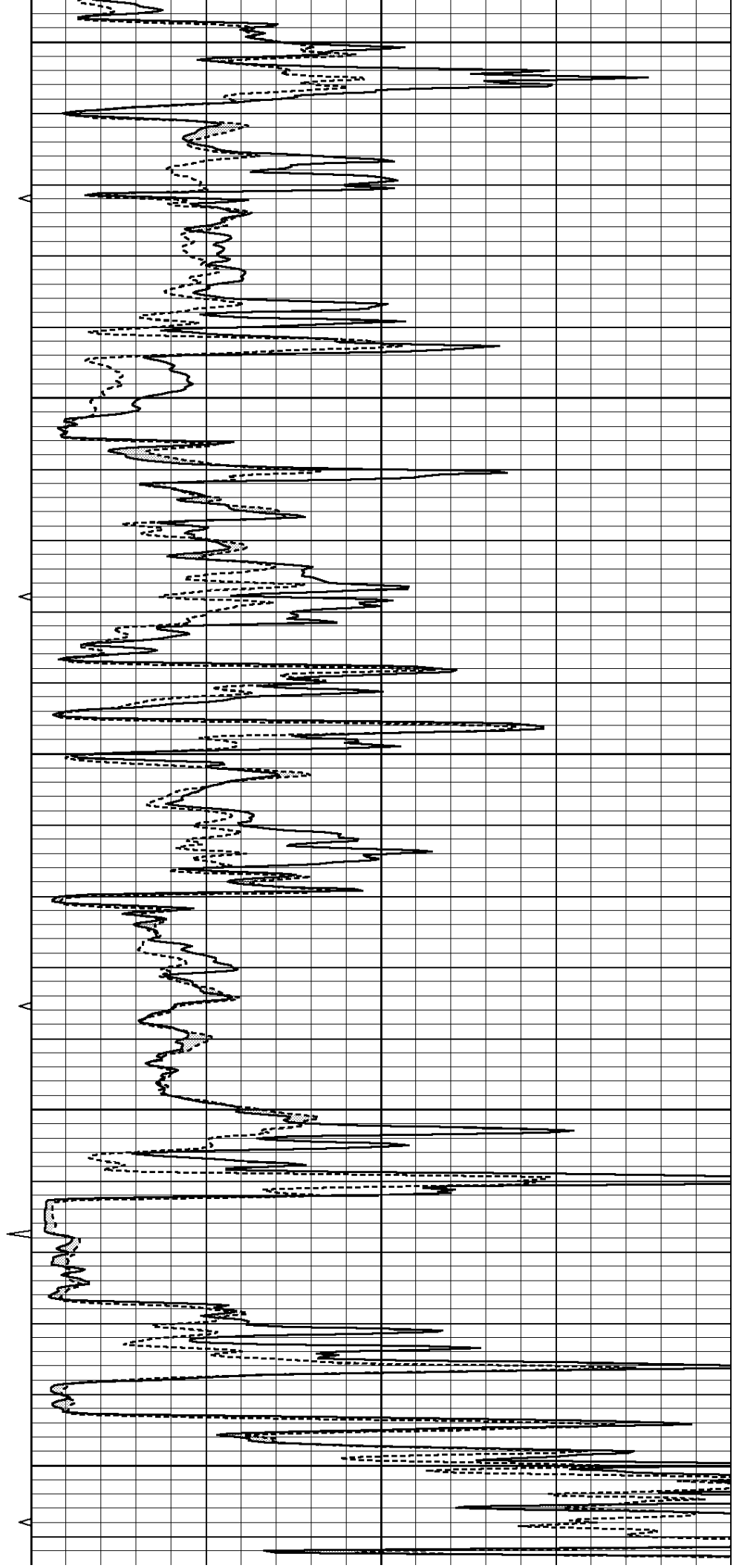
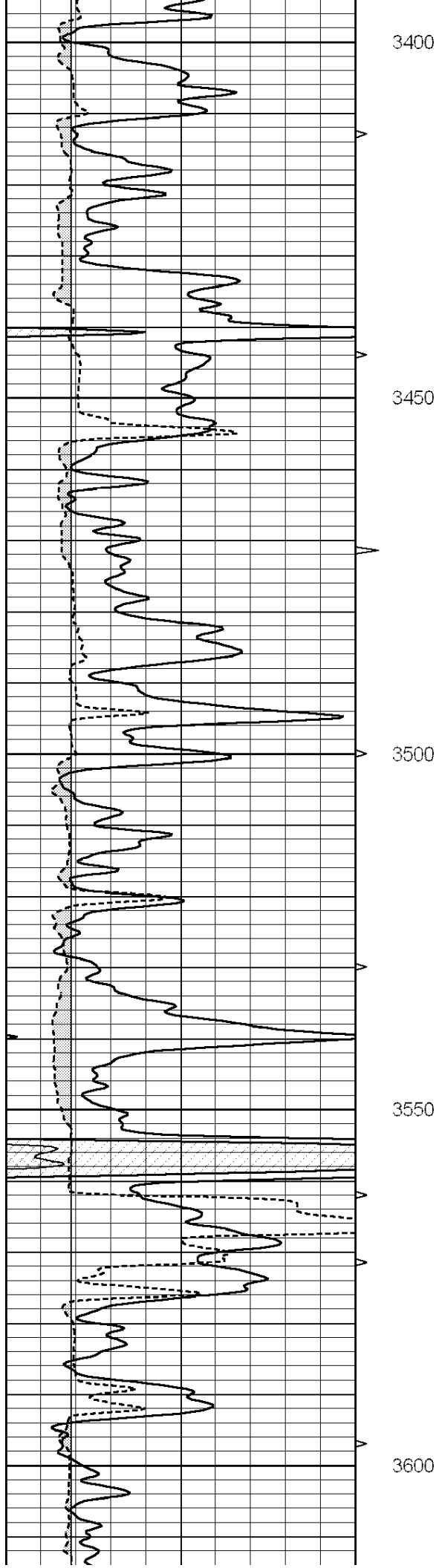
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

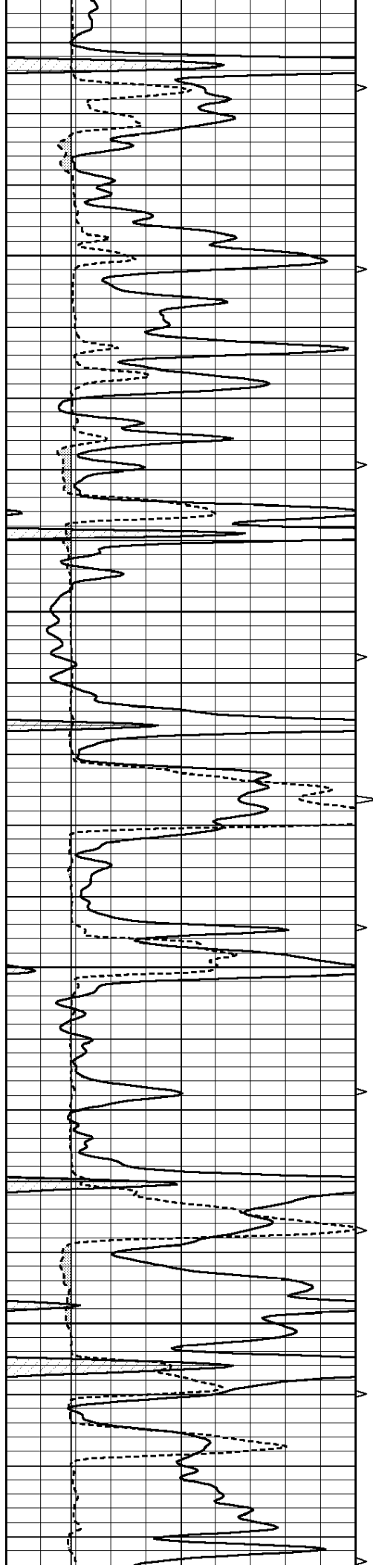
Comments

THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
PALCO, KS - 1/2 MILE SOUTH ON ELLIS BLACKTOP - WEST INTO

Charted by:		Depth in Feet scaled 1:2.15				
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL2.0 (Ohm-m)	40
		TBHV				
		0 (ft3)				
		10				





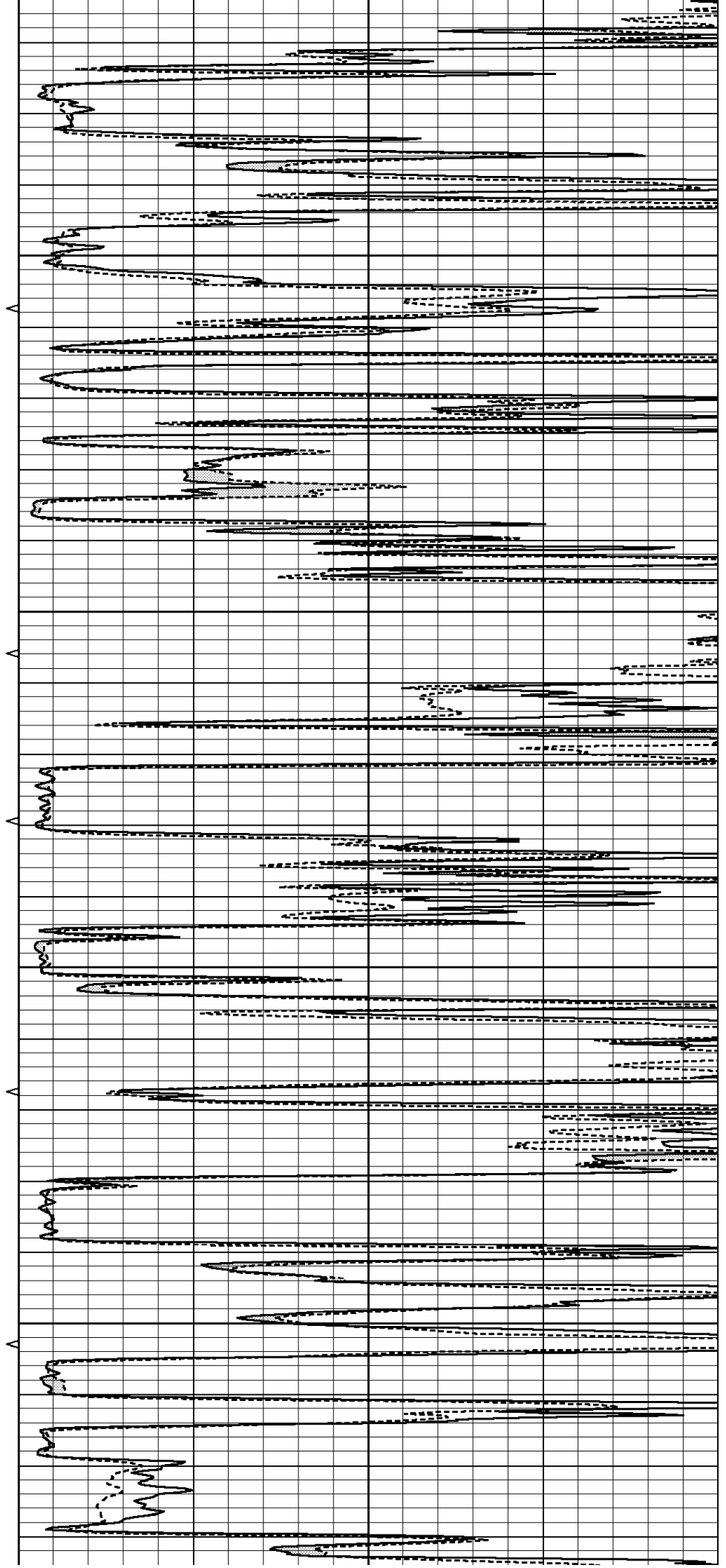


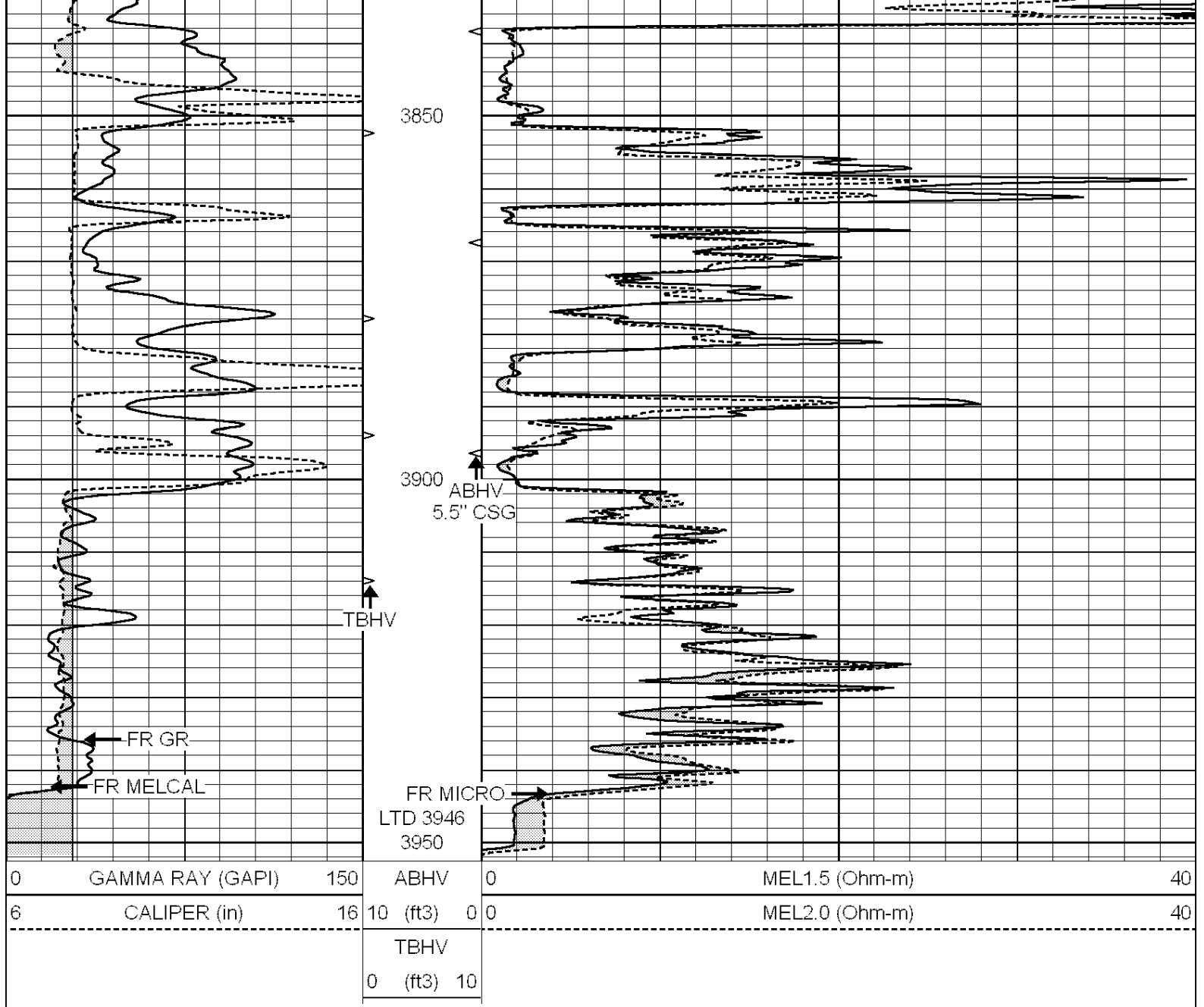
3650

3700

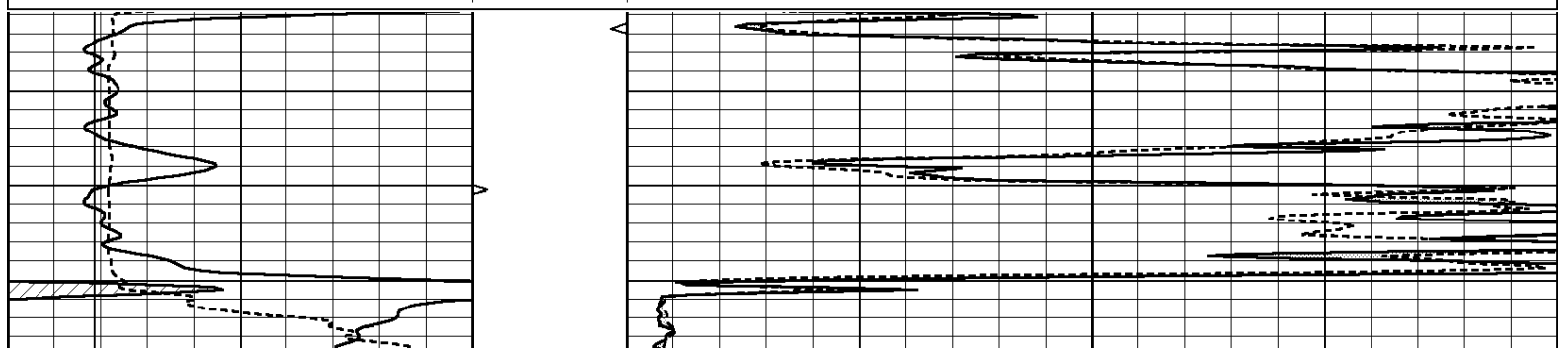
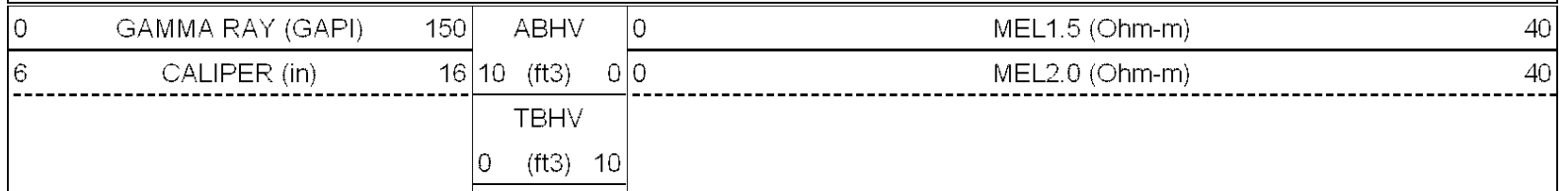
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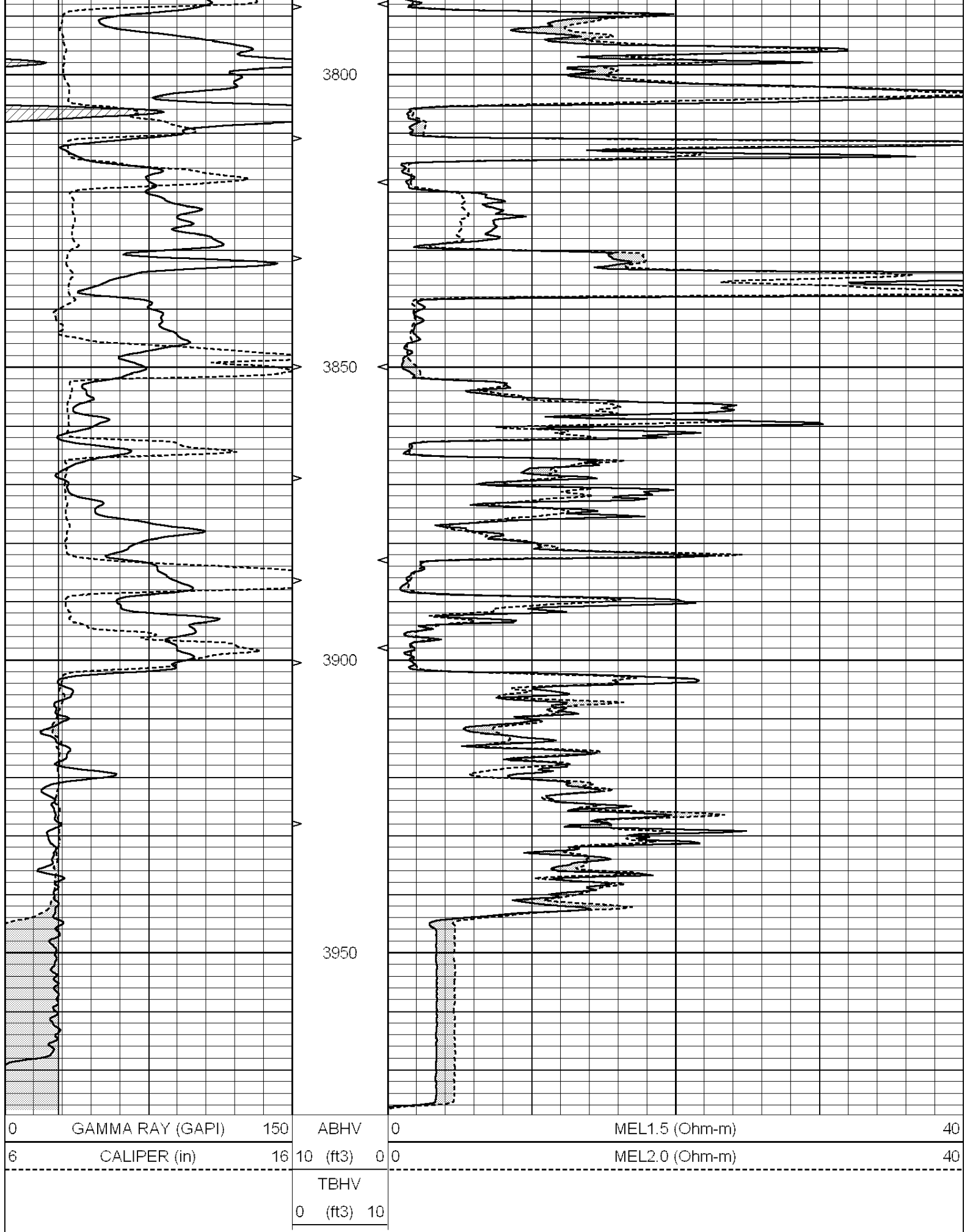
3800





Database File: 006351rag.db
Dataset Pathname: pass1
Presentation Format: _micro
Dataset Creation: Wed Apr 27 03:33:33 2011 by Log Open-Cased 090629
Charted by: Depth in Feet scaled 1:240





Database File: 006351rag.db
Dataset Pathname: pass2.1
Dataset Creation: Wed Apr 27 04:13:03 2011 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO6
Tool Model: PROBE
Performed: Mon Apr 04 05:13:13 2011

Caliper Calibration: Gain=5.211 Offset=-0.160

	Low Cal	High Cal
References	8.000	14.000
Readings	1.178	2.330

1.5" Calibration: Gain=35.075 Offset=-0.650

	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	1.196

2" Calibration: Gain=32.041 Offset=0.000

	Low Cal	High Cal
References	0.000	20.000
Readings	0.006	0.913

Gamma Ray Calibration Report

Serial Number: #8
Tool Model: OPEN
Performed: Sun Apr 10 22:50:36 2011

Calibrator Value: 150.0 GAPI

Background Reading:	0.0	cps
Calibrator Reading:	175.0	cps
Sensitivity:	0.8971	GAPI/cps