

MICRO LOG

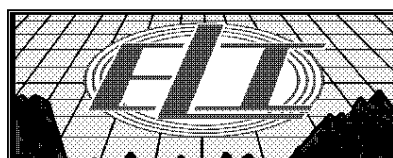
Company	DOWNING - NELSON OIL CO., INC.		
Well	OELKERS - WERTH UNIT #1-5		
Field	WILDCAT		
County	RUSH		
State	KANSAS		
Company	DOWNING - NELSON OIL COMPANY, INC.		
Well	OELKERS - WERTH UNIT #1-5		
Field	WILDCAT		
County	RUSH	State	KANSAS
Location:	API # : 15-165-22131-0000		Other Services CDL/CNL DIL/SON
Permanent Datum	GROUND LEVEL	Elevation	2031
Log Measured From	KELLY BUSHING	8' A.G.L.	
Drilling Measured From	KELLY BUSHING		
SEC 5	TWP 16S	RGE 19W	
Date	8/16/16		
Run Number	TWO		
Depth Driller	3677		
Depth Logger	3680		
Bottom Logged Interval	3664		
Top Log Interval	2800		
Casing Driller	8 5/8"@125'		
Casing Logger	1254		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 6,000 PPM	
Density / Viscosity	9.1/45		
pH / Fluid Loss	9.5/10.4		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.400@80F		
Rinf @ Meas. Temp	.300@80F		
Rmc @ Meas. Temp	.480@80F		
Source of Rinf / Rmc	MEASUREMENT		
Rim @ BHT	.283@113F		
Time Circulation Stopped	3.5 HOURS		
Time Logger on Bottom	8:15 A.M.		
Maximum Recorded Temperature	113F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	MARC 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

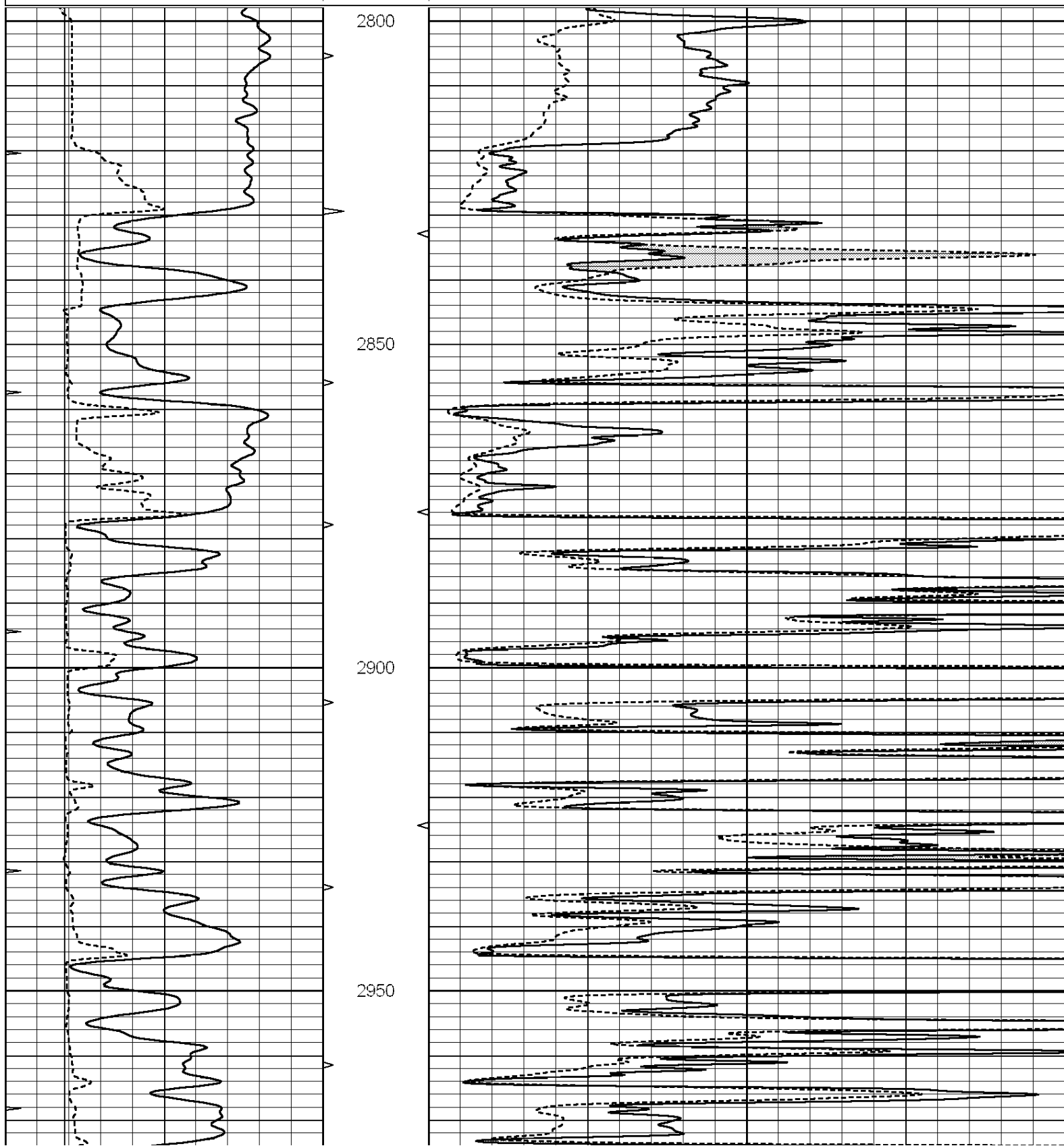
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
ANTONINO, KS., S. TO STOP SIGN (SCHOENCHEN RD.) 1W., 1S., 1W. TO "T", 1S. TO CURVE, W. INTO
AT TIN SHED

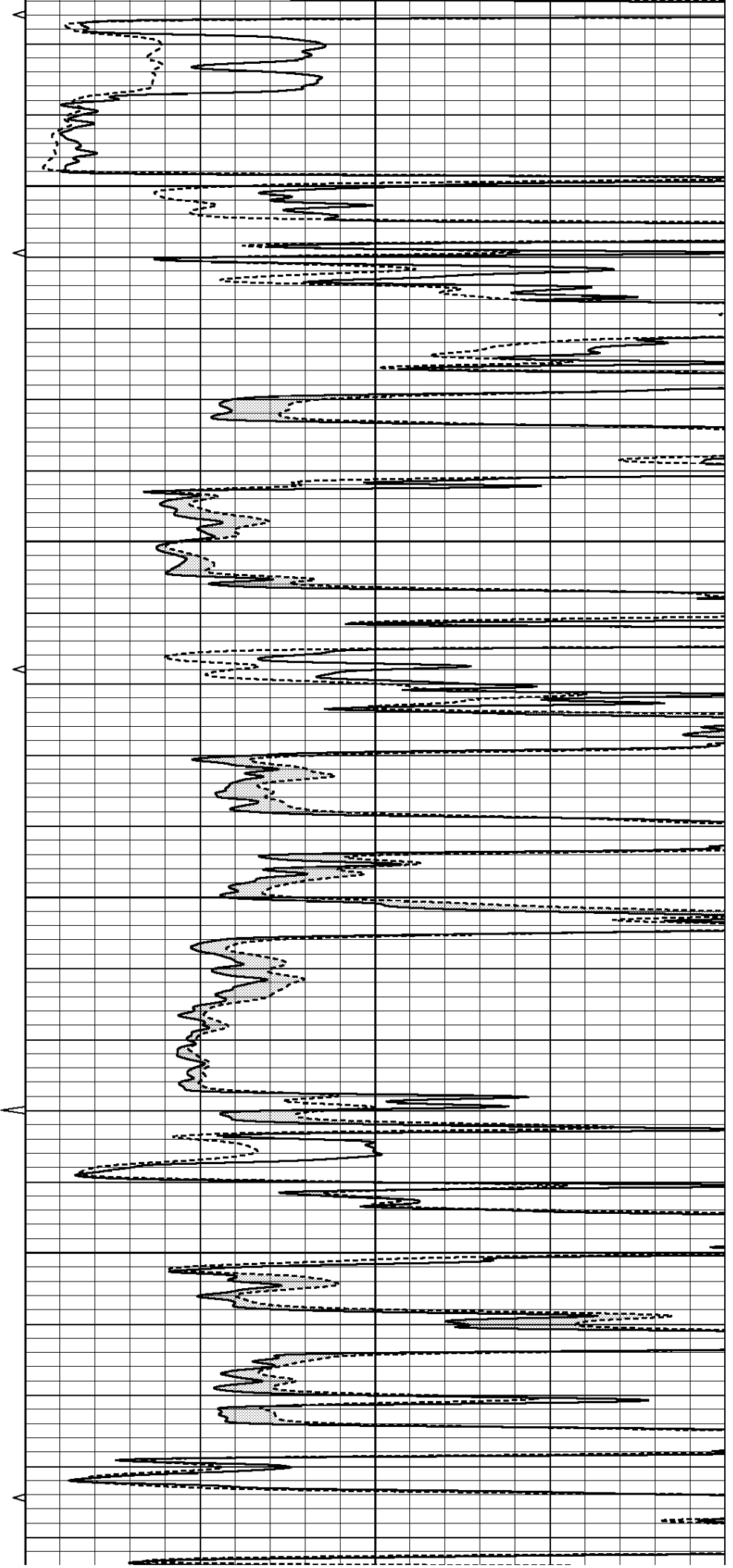
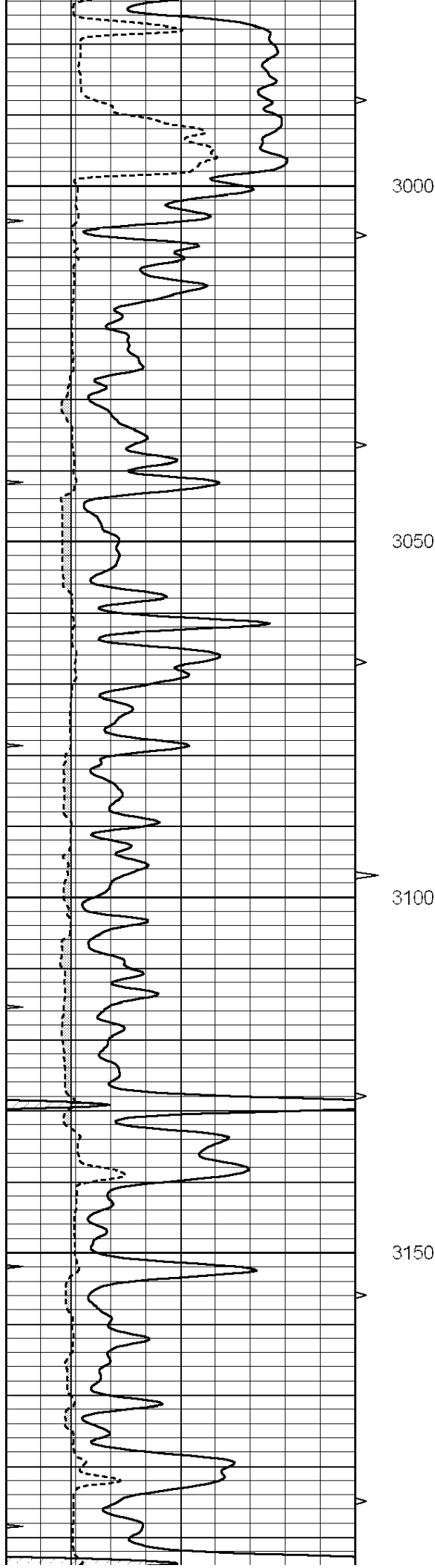


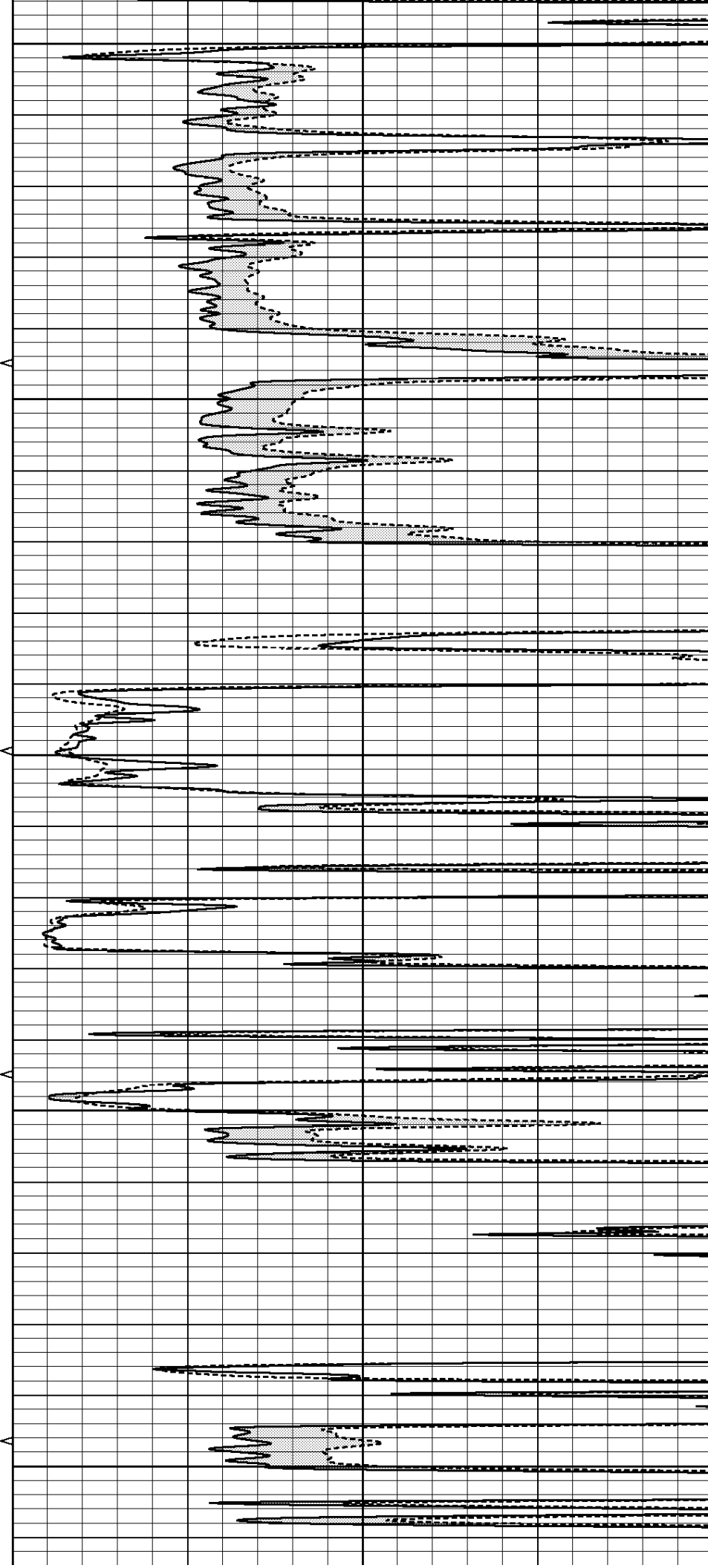
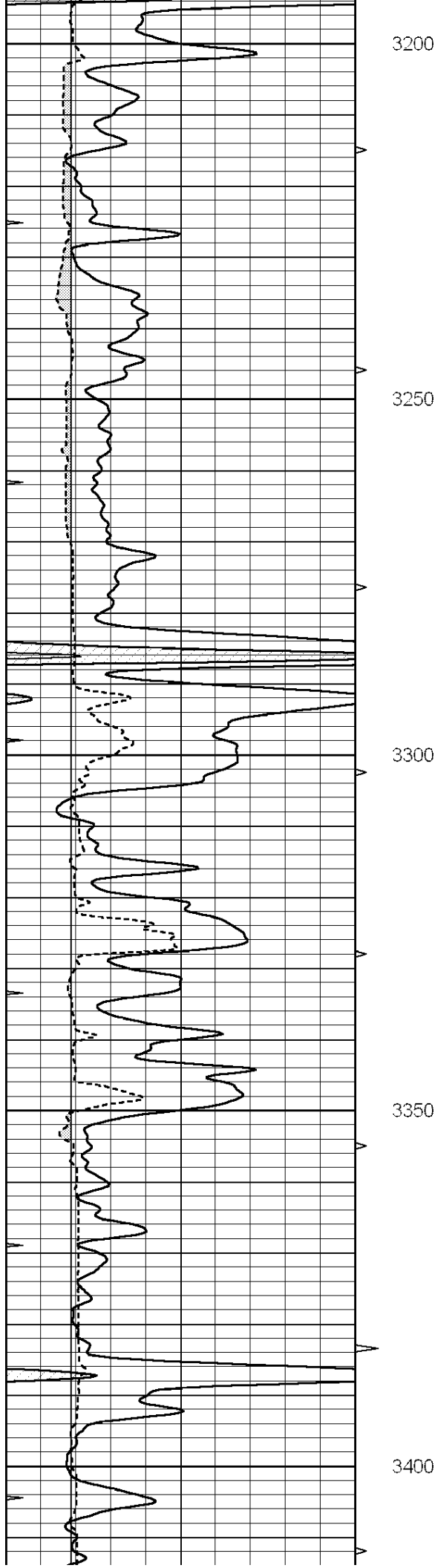
MAIN SECTION

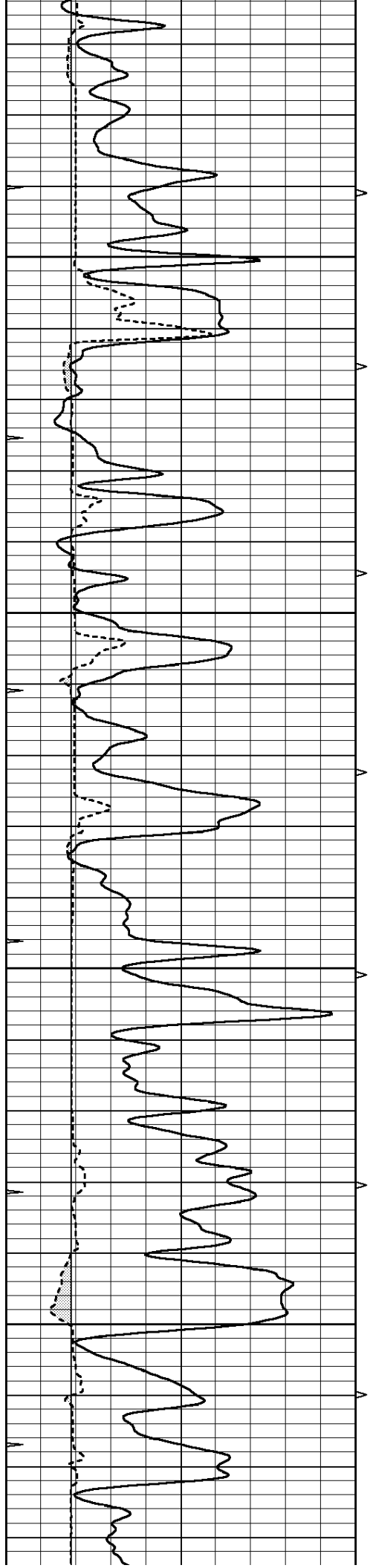
Database File: 30759ddn.db
 Dataset Pathname: pass6.3
 Presentation Format: micro
 Dataset Creation: Tue Aug 16 11:27:40 2016 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	20
6	CALIPER (in)	16	10 (ft3)	0 0	MEL 20 (Ohm-m)	20
0	MINMK	20	TBHV			
			0 (ft3)	10		









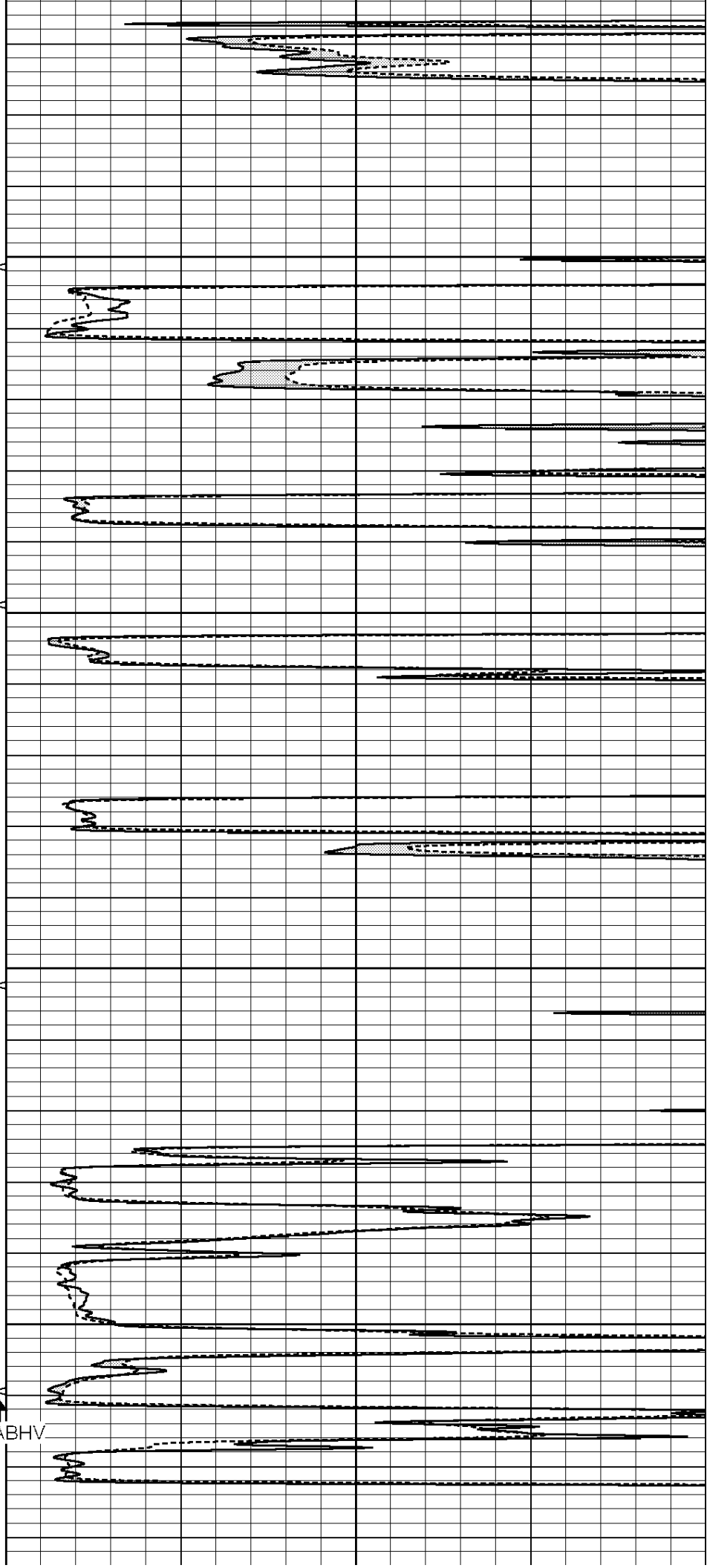
3450

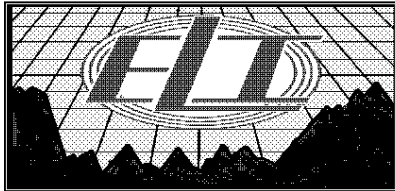
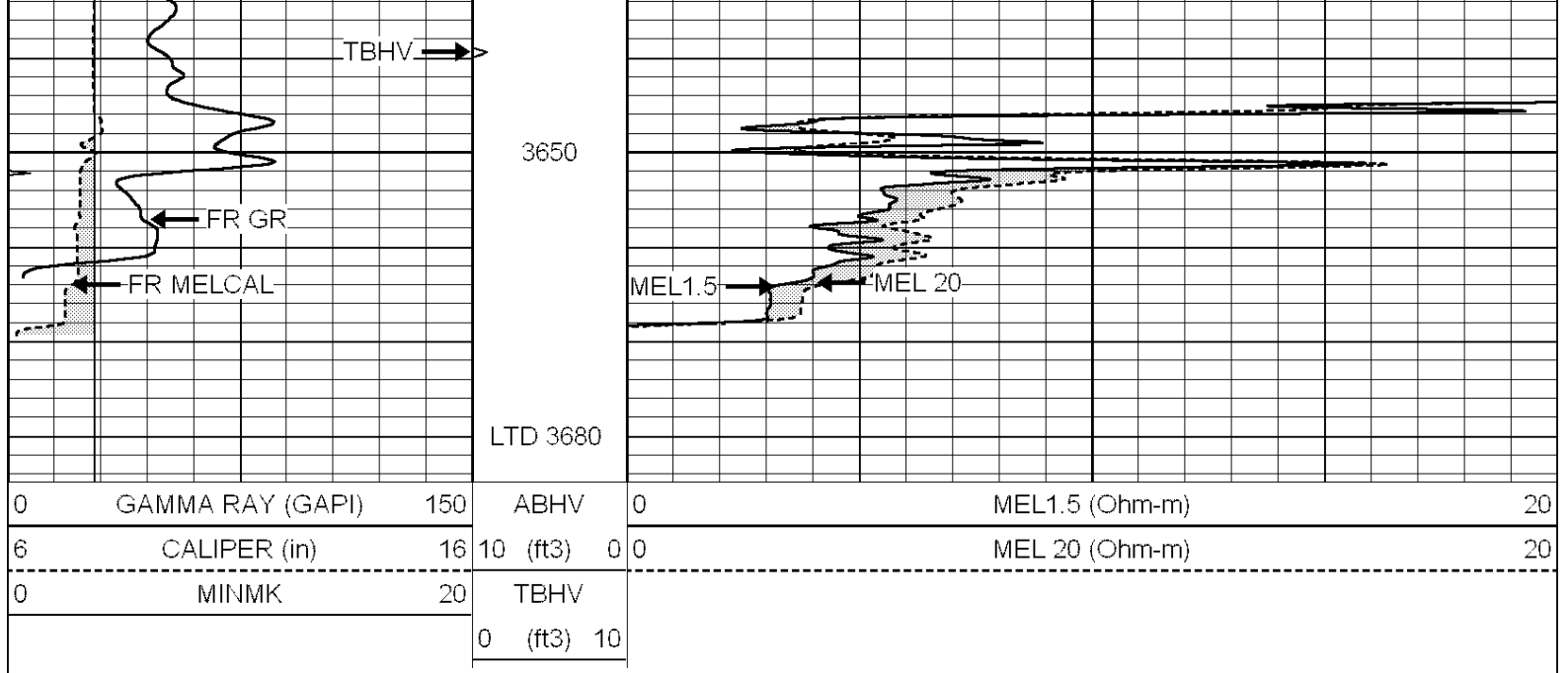
3500

3550

3600

5.5" ABHV

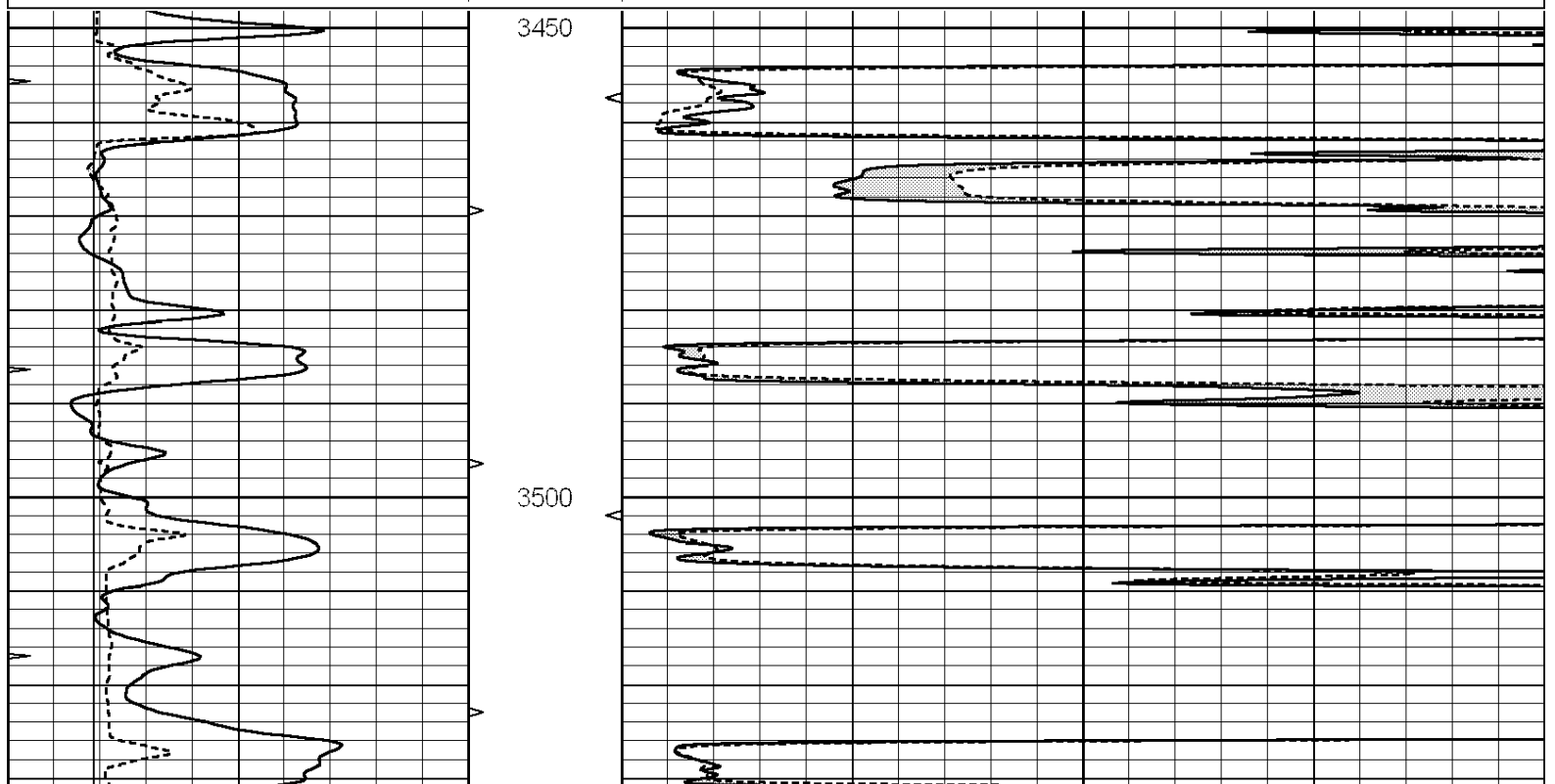


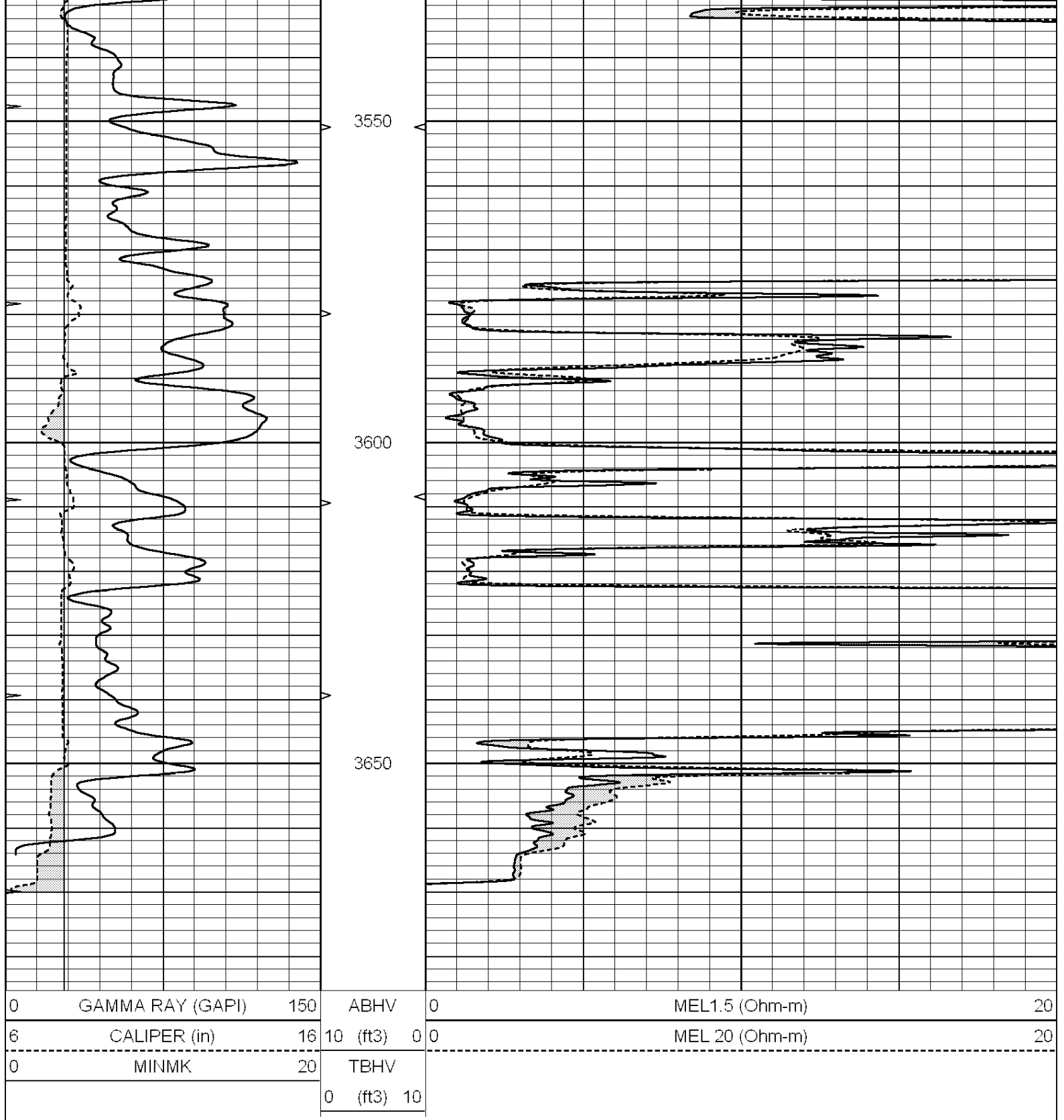


REPEAT SECTION

Database File: 30759ddn.db
 Dataset Pathname: pass5.4
 Presentation Format: micro
 Dataset Creation: Tue Aug 16 10:41:11 2016 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	20
6	CALIPER (in)	16	10 (ft3)	0	MEL 20 (Ohm-m)	20
0	MINMK	20	TBHV			
			0 (ft3)	10		





Calibration Report

Database File: 30759ddn.db
Dataset Pathname: pass6.3
Dataset Creation: Tue Aug 16 11:27:40 2016 by Calc SOC 120430

MICRO Calibration Report

Serial Number: 070912
Tool Model: ProbeN
Performed: Sat Dec 19 10:12:06 2015

Caliper Calibration: Gain=2.682 Offset=6.188

References	Low Cal	High Cal
Readings	7.500	15.000
	0.489	3.285
1.5" Calibration:	Gain=40.000	Offset=-1.200
References	Low Cal	High Cal
Readings	0.000	20.000
	0.002	1.239
2" Calibration:	Gain=42.000	Offset=-1.000
References	Low Cal	High Cal
Readings	0.000	20.000
	0.003	1.075
Gamma Ray Calibration Report		
Serial Number:	110959	
Tool Model:	OPEN_GR	
Performed:	Sat Aug 13 09:52:57 2016	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2000	GAPI/cps