

MICRO LOG

Company I. A. OPERATING, INC.	
Well SPRING CREEK #18-1	
Field WILDCAT	
County GRAHAM	
State KANSAS	
Company I. A. OPERATING, INC.	
Well SPRING CREEK #18-1	
Field WILDCAT	
County GRAHAM	
State KANSAS	
Location: API # : 15-065-24118-0000	
1992' FNL & 330' FEL N/2 - SE - SE - NE	
SEC 18 TWP 6S RGE 25W	
Permanent Datum GROUND LEVEL Elevation 2575	
Log Measured From KELLY BUSHING 8' A.G.L.	
Drilling Measured From KELLY BUSHING	
Other Services CDL/CNL DIL/SON	
Elevation K.B. 2583 D.F. 2581 G.L. 2575	
Date 7/13/16	
Run Number TWO	
Depth Driller 3900	
Depth Logger 3903	
Bottom Logged Interval 3887	
Top Log Interval 3300	
Casing Driller 8 5/8"@306'	
Casing Logger 306	
Bit Size 7 7/8"	
Type Fluid in Hole CHEMICAL MUD	CHLORIDES 900 PPM
Density / Viscosity 8.9/53	
pH / Fluid Loss 11.5/6.0	
Source of Sample FLOWLINE	
Rim @ Meas. Temp 1.50@90F	
Rmf @ Meas. Temp 1.13@90F	
Rmc @ Meas. Temp 1.80@90F	
Source of Rmf / Rmc MEASUREMENT	
Rim @ BHT 1.17@115F	
Time Circulation Stopped 4 HOURS	
Time Logger on Bottom 10:15 A.M.	
Maximum Recorded Temperature 115F	
Equipment Number 922339	
Location HAYS, KANSAS	
Recorded By JEFF LUEBBERS	
Witnessed By JEFF LAWLER	

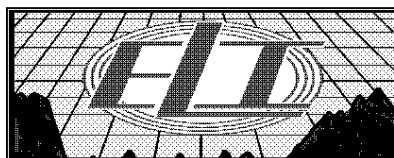
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on 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

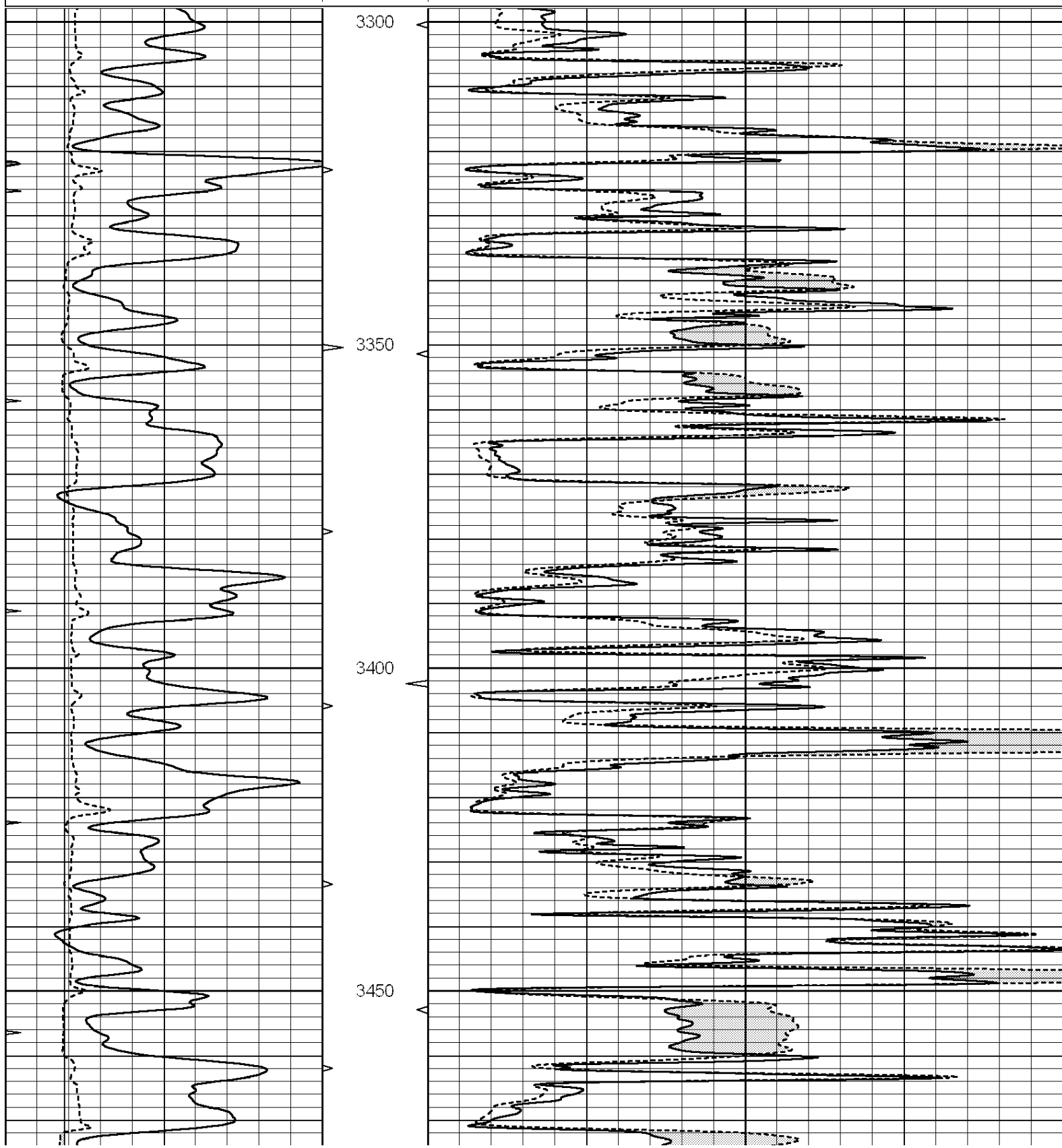
STUDLEY, KS., E. SIDE AT SHERIDAN COUNTY SIGN, 13N. ON "100TH AVE." TO "RD. CC & EE", 1E.,
1/2S., W. INTO

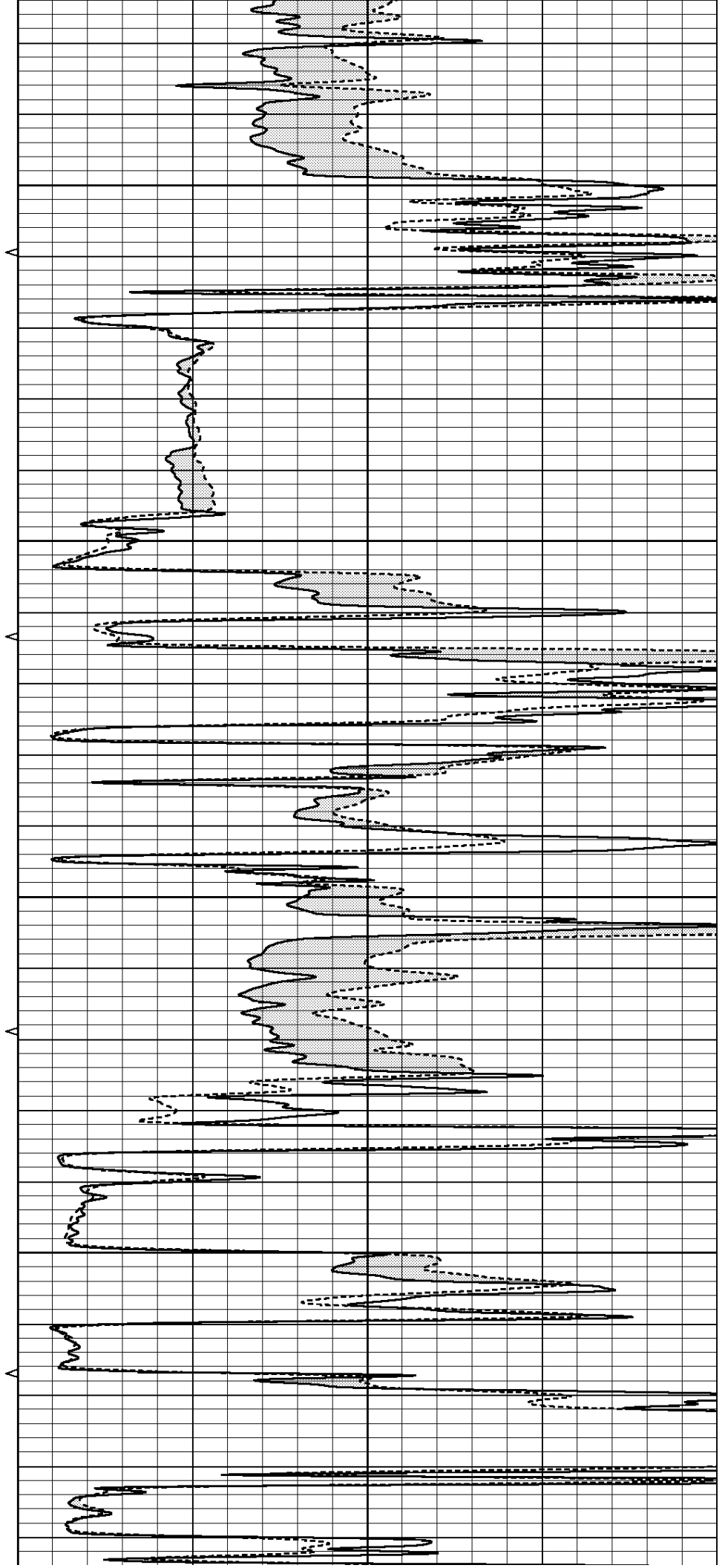
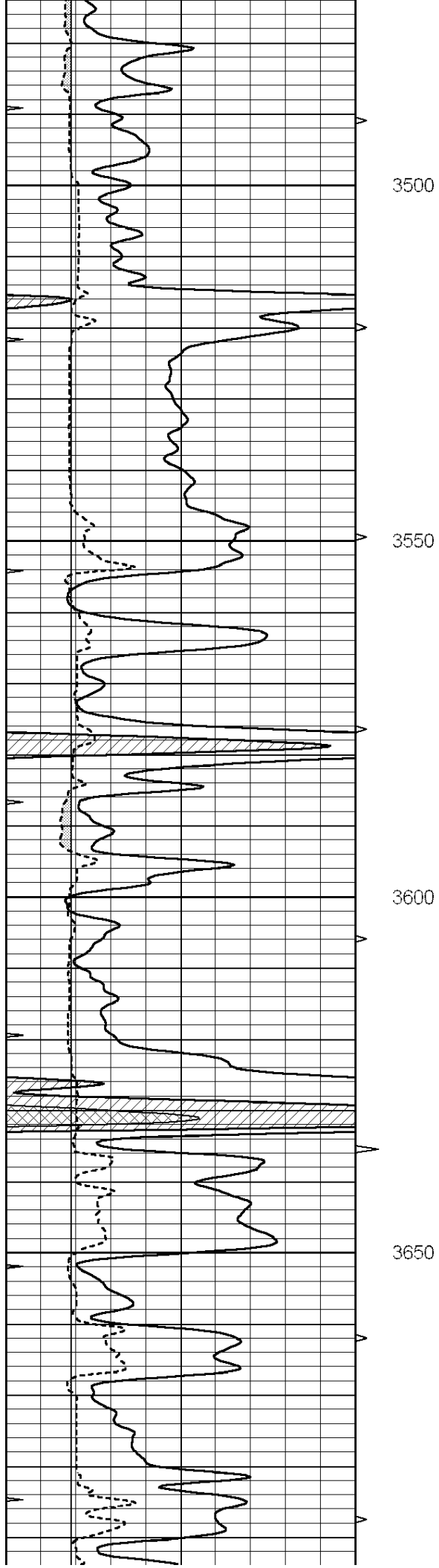


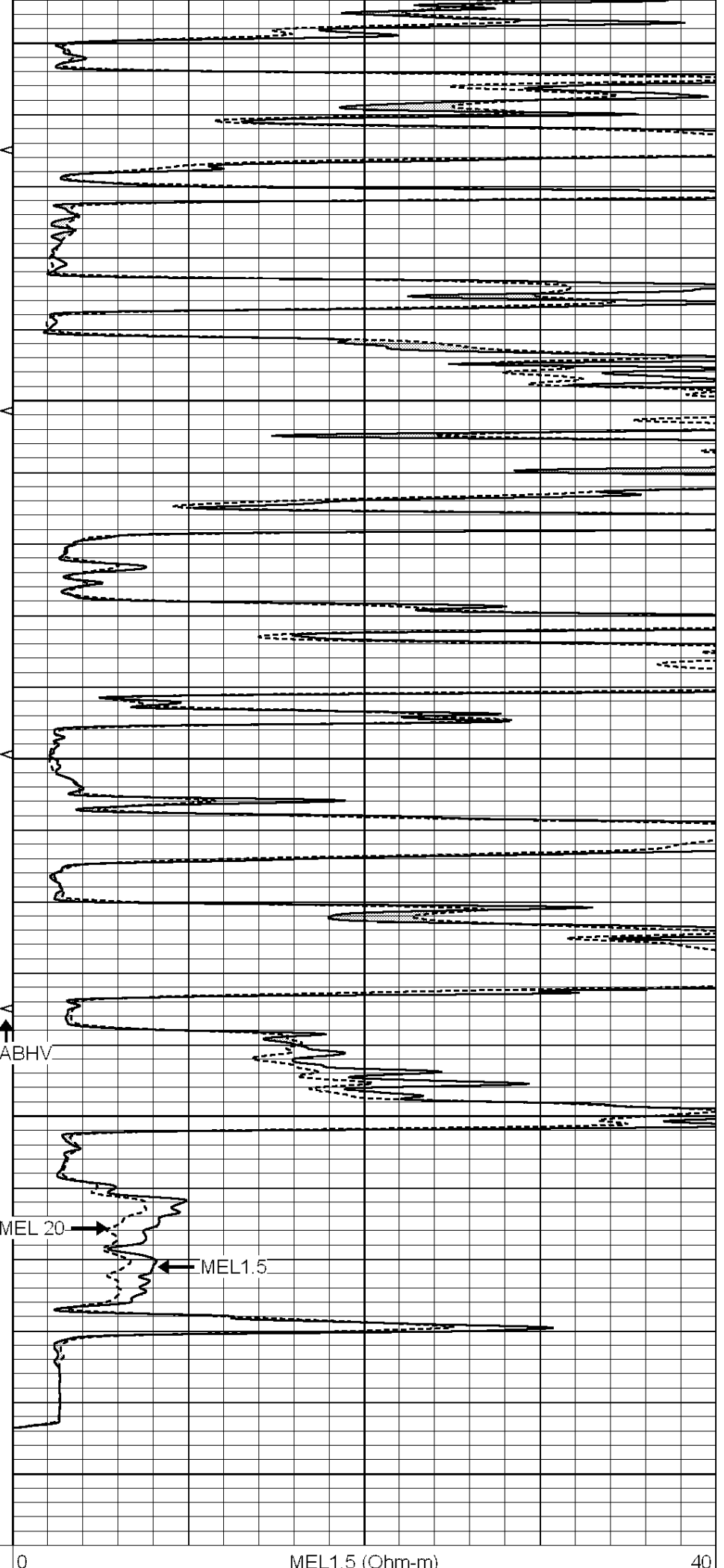
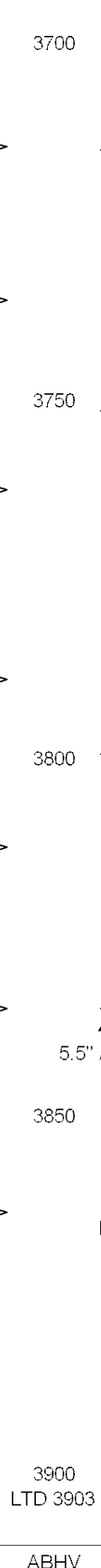
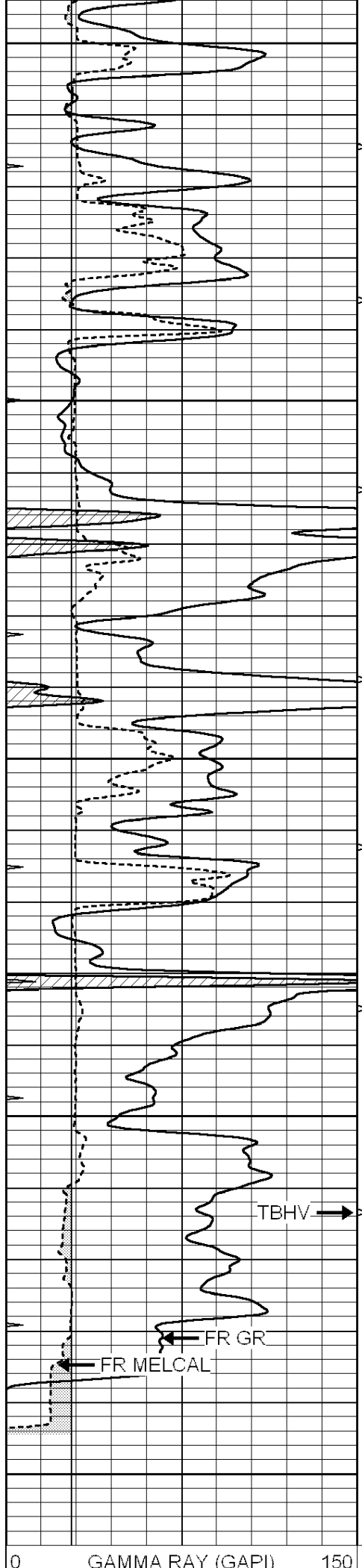
MAIN SECTION

Database File: 30752ddn.db
 Dataset Pathname: pass6.3
 Presentation Format: micro
 Dataset Creation: Wed Jul 13 12:56:41 2016 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 0	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		

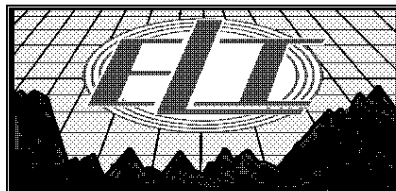






3900
LTD 3903

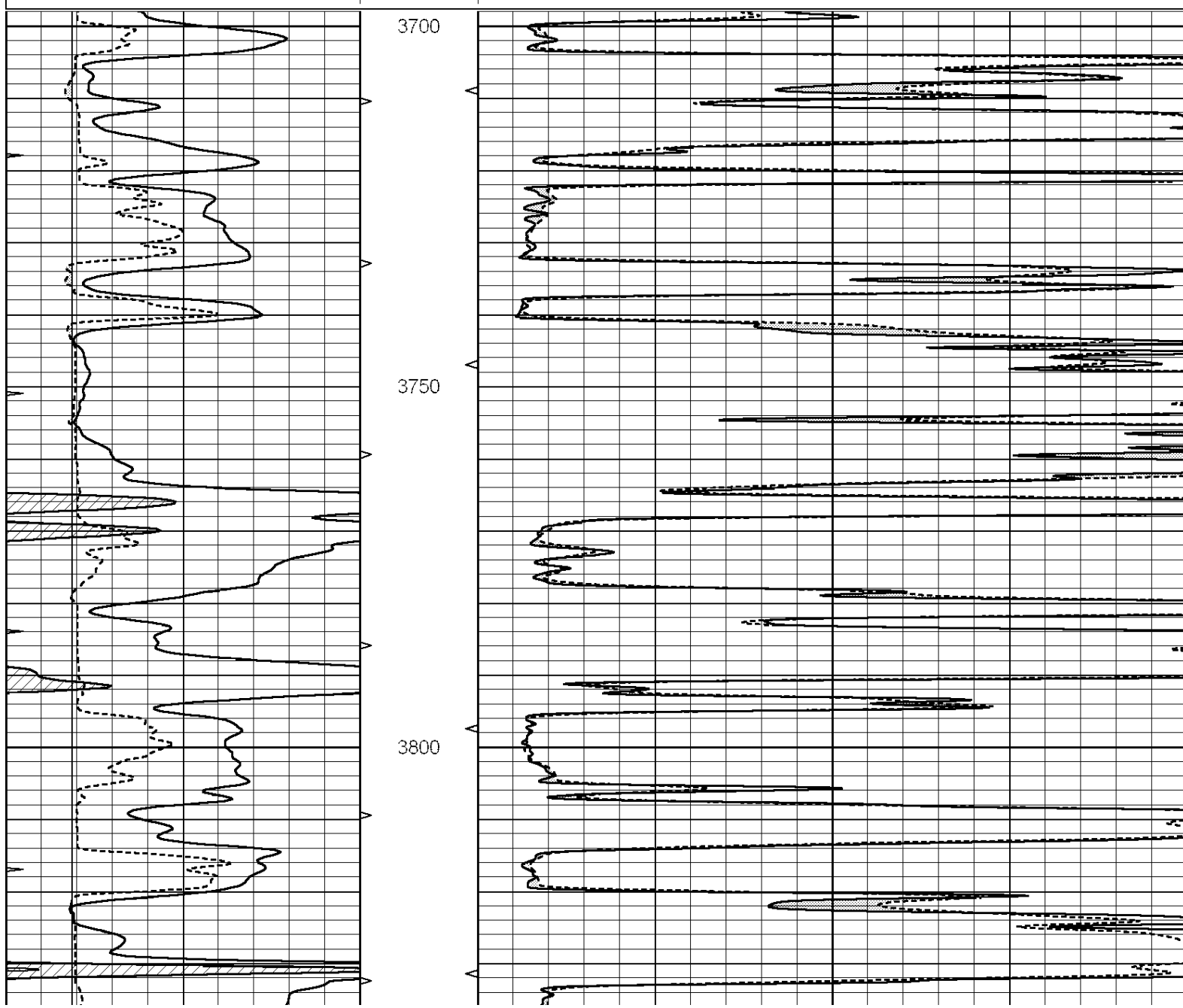
6	CALIPER (in)	16	10 (ft3)	0 0	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		

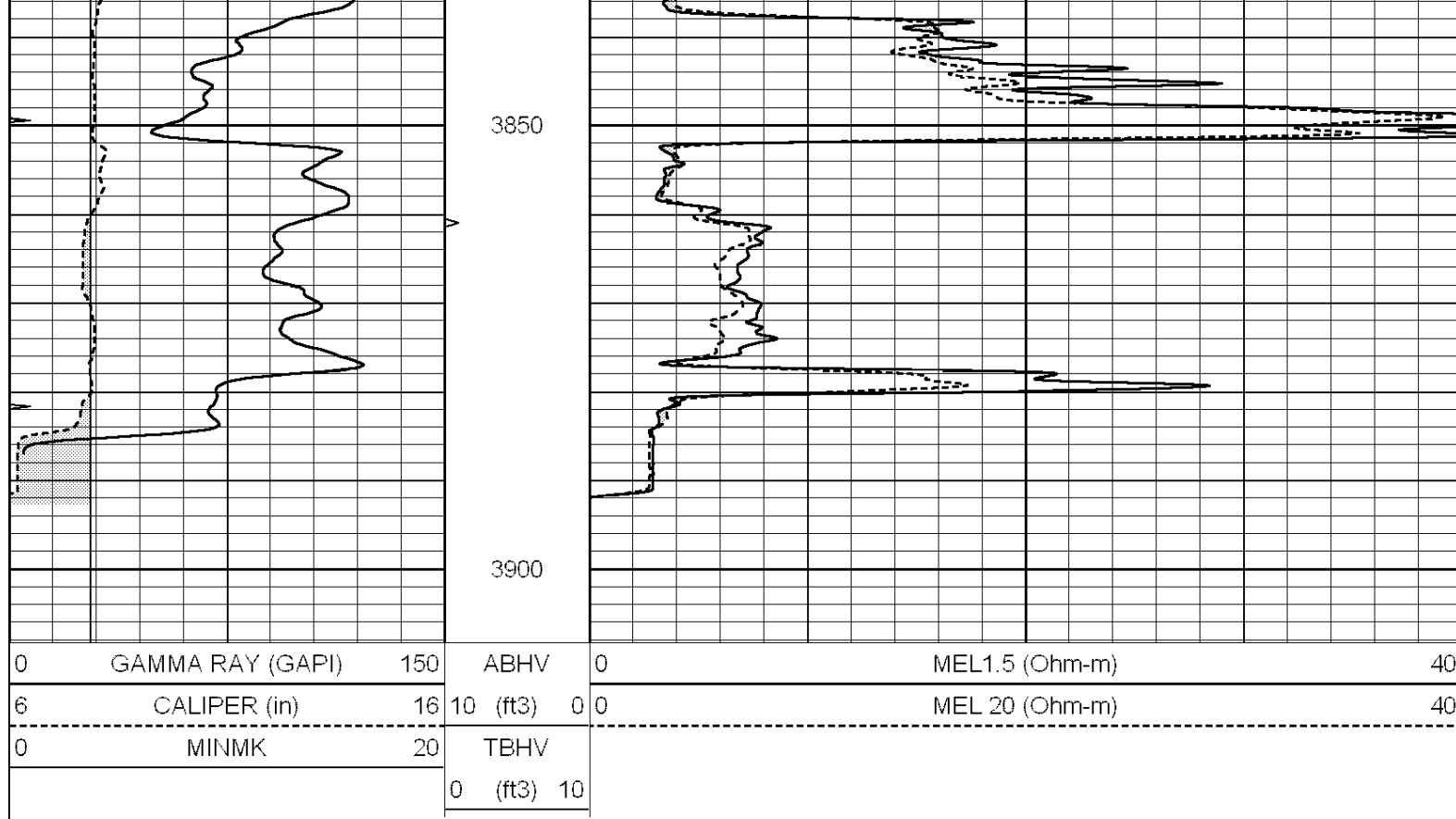


REPEAT SECTION

Database File: 30752ddn.db
 Dataset Pathname: pass5.1
 Presentation Format: micro
 Dataset Creation: Wed Jul 13 12:24:00 2016 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 0	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		





Calibration Report			
Database File:	30752ddn.db		
Dataset Pathname:	pass6.3		
Dataset Creation:	Wed Jul 13 12:56:41 2016 by Calc SOC 120430		
MICRO Calibration Report			
Serial Number:	070911		
Tool Model:	ProbeN		
Performed:	Fri Jun 10 10:46:43 2016		
Caliper Calibration:	Gain=3.760	Offset=2.960	
References	Low Cal	High Cal	
Readings	8.600	18.000	
	1.500	4.000	
1.5" Calibration:	Gain=36.000	Offset=-0.800	
References	Low Cal	High Cal	
Readings	0.000	20.000	
	0.001	1.240	
2" Calibration:	Gain=49.000	Offset=-1.000	
References	Low Cal	High Cal	
Readings	0.000	20.000	
	0.001	1.076	
Gamma Ray Calibration Report			
Serial Number:	110959		
Tool Model:	OPEN_GR		
Performed:	Tue Jul 12 06:17:40 2016		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	

Calibrator Reading:	1.0	cps
Sensitivity:	0.2200	GAPI/cps