Casedhole Solutions

MICRO LOG

Company	HERMAN L. LOEB, LLC.
Well	KRAUTWURST #21
Field	KRAFT - PRUSA
County	BARTON
State	KANSAS

Company HERMAN L. LOEB, LLC.

Well KRAUTWURST #21

Field KRAFT - PRUSA

County BARTON State KANSAS

Location: API # : 15-009-26138-0000

860' FSL & 955' FEL

SE - NW - SE - SE

SEC 34 TWP 16S RGE 11W

Other Services: CDL/CNL/PE, DIL

Permanent Datum: GROUND LEVEL Elevation 1941

Log Measured From: KELLY BUSHING 11' A.G.L.

Drilling Measured From: KELLY BUSHING

Elevation: K.B. 1952, D.F. 1950, G.L. 1941

Date	3/12/16		
Run Number	TWO		
Depth Driller	3410		
Depth Logger	3402		
Bottom Logged Interval	3400		
Top Log Interval	2600		
Casing Driller	8 5/8"@786'		
Casing Logger	786		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5,700 PPM	
Density / Viscosity	8.9/34		
pH / Fluid Loss	7.5/10.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.20@70F		
Rmf @ Meas. Temp	.900@70F		
Rmc @ Meas. Temp	1.44@70F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.757@111F		
Time Circulation Stopped	9.5 HOURS		
Time Logger on Bottom	6:00 P.M.		
Maximum Recorded Temperature	111F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	JON CHRISTENSEN		

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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 (C & J ENERY/ CASEDHOLE SOLUTIONS) HAYS, KANSAS (785) 628-6395

DIRECTIONS

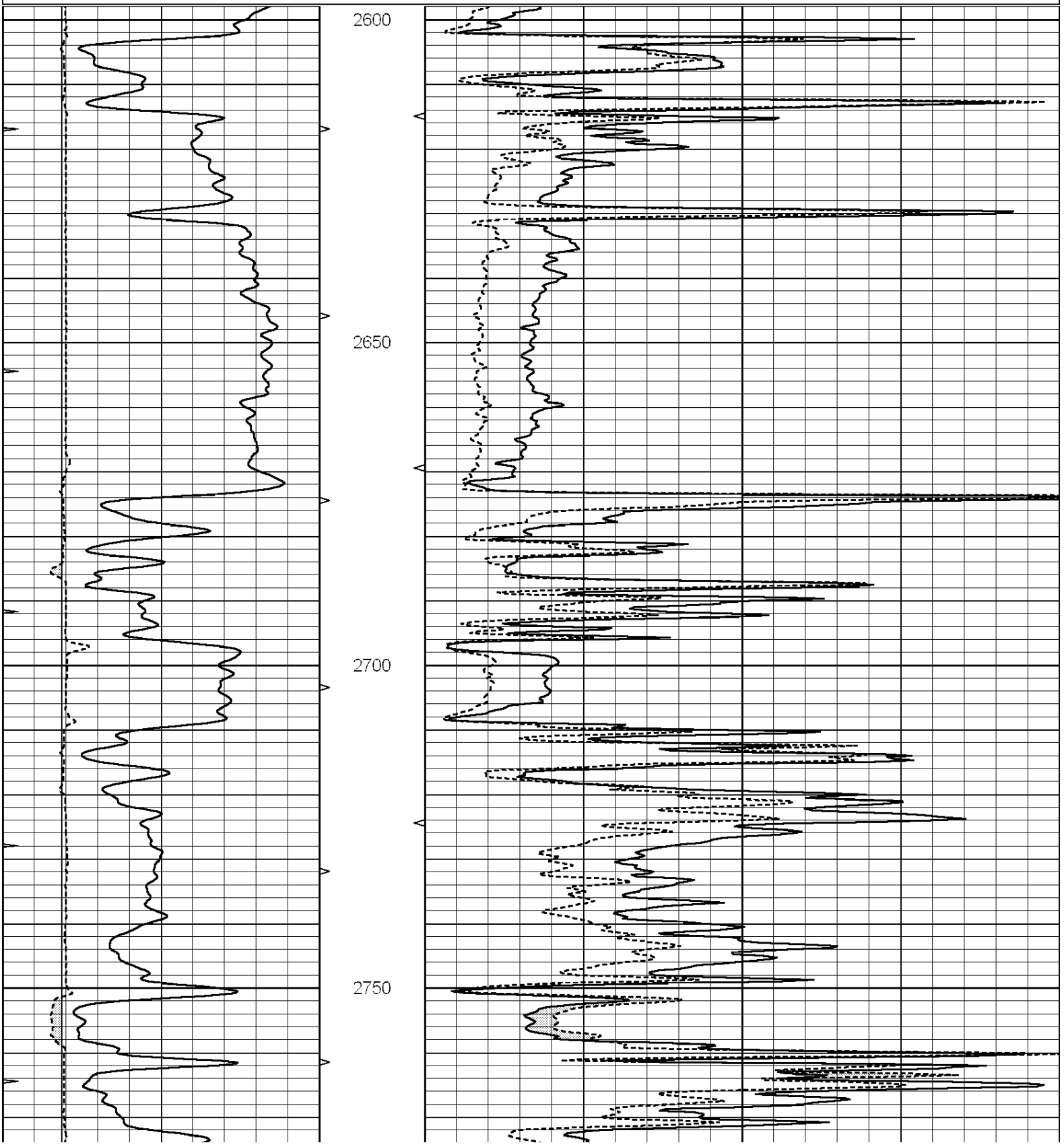
CLAFLIN, KS. (3RD STREET & HWY 4) 6N. ON BLKTOP TO "RD. 170" 1/2 E., N. INTO

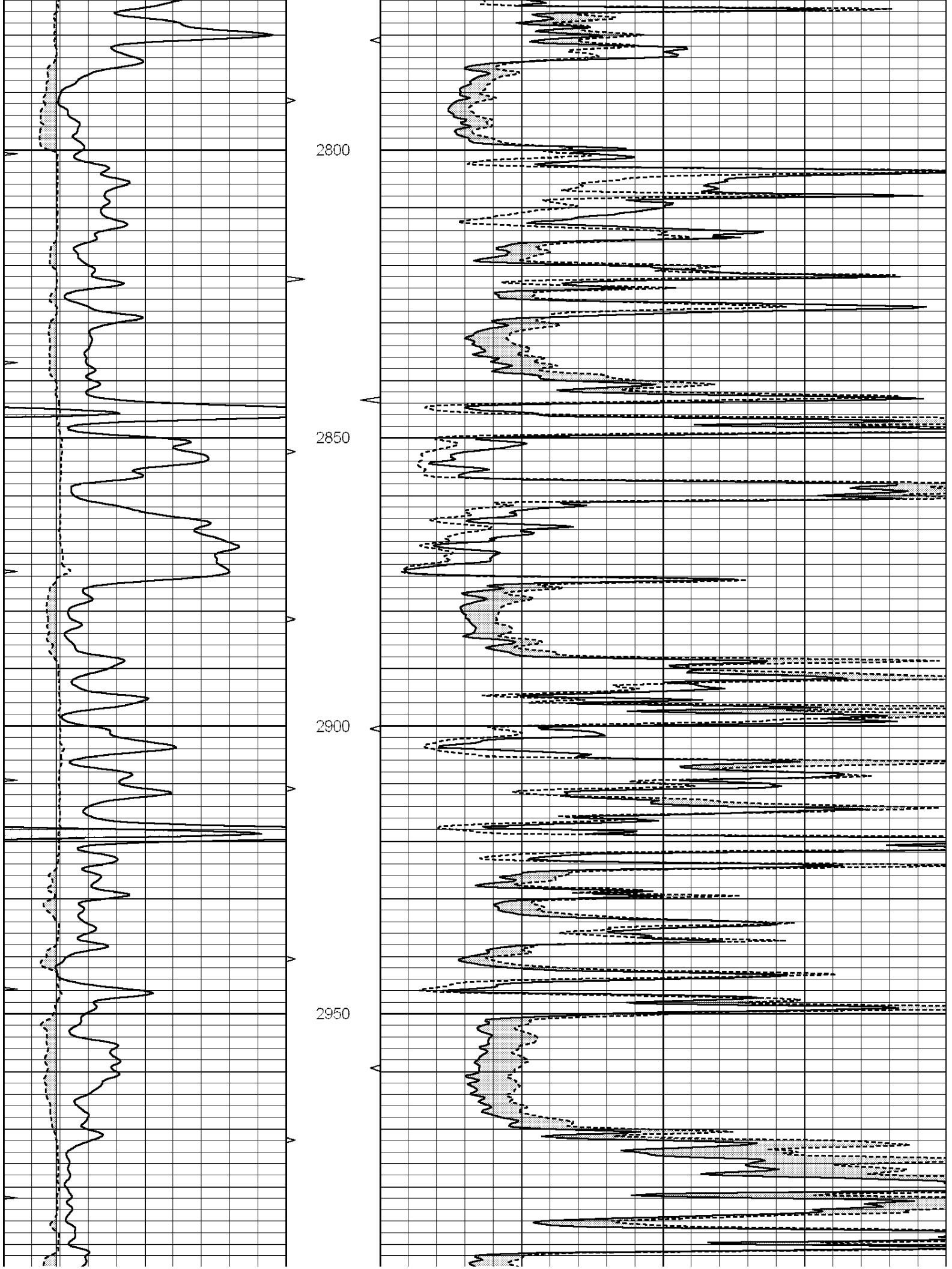
Casedhole Solutions

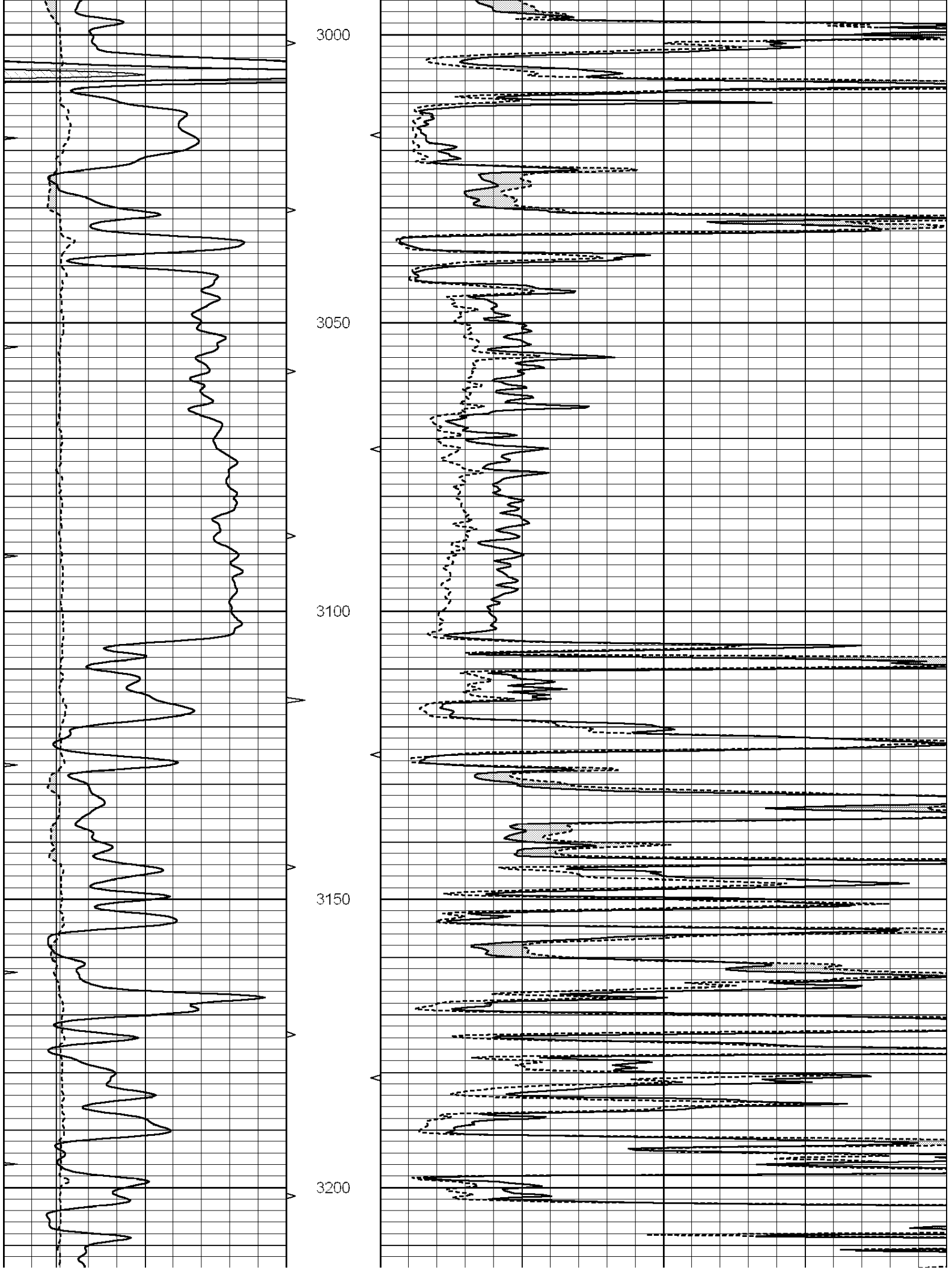
MAIN SECTION

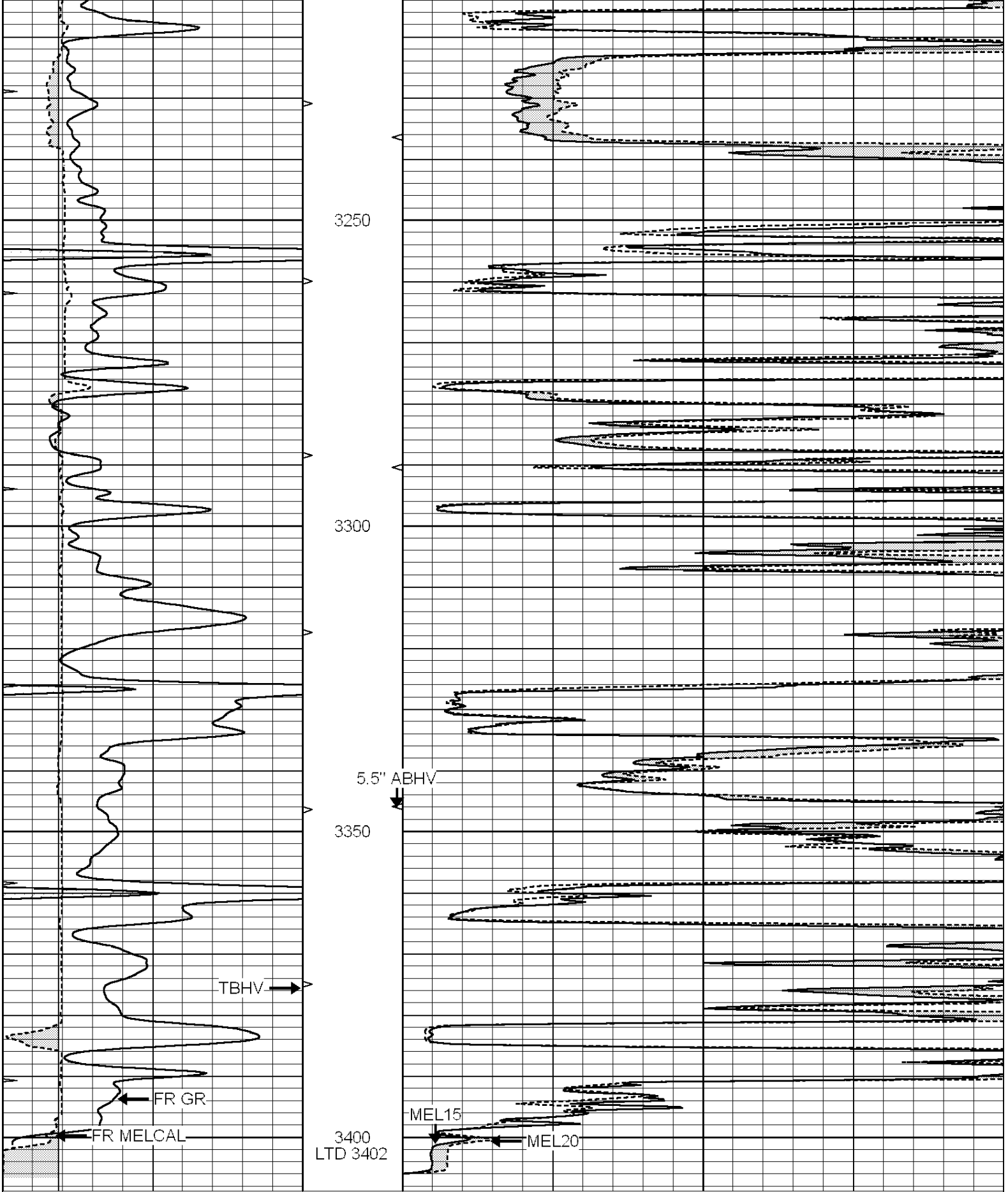
Database File:	30689pe.db
Dataset Pathname:	pass6.2
Presentation Format:	micro
Dataset Creation:	Sat Mar 12 21:03:46 2016 by Calc SOC 120430
Charted by:	Depth in Feet scaled 1:240

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			




2800
2850
2900
2950


3000
3050
3100
3150
3200

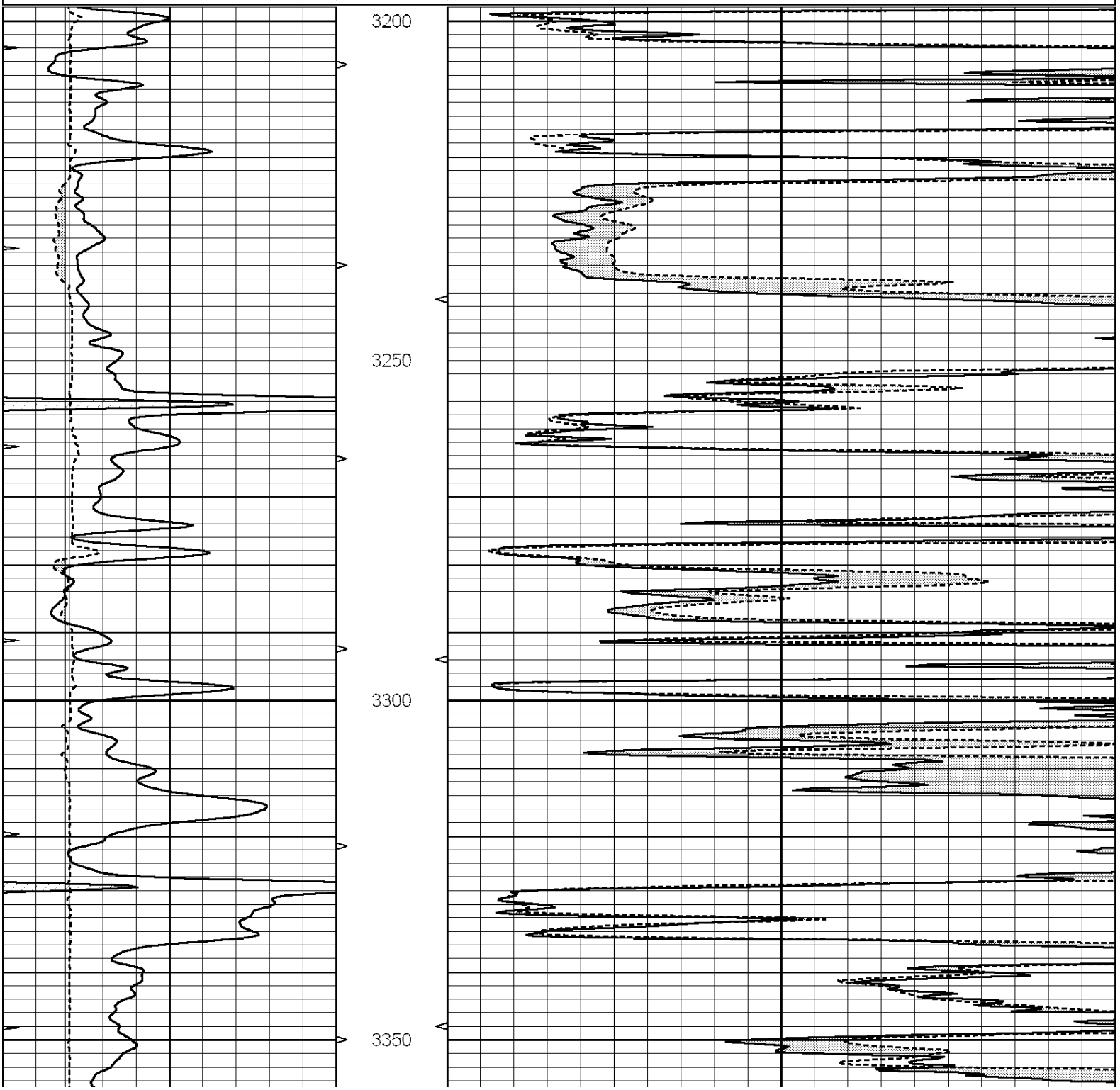

3250
3300
5.5" ABHV
3350
TBHV
FR GR
FR MELCAL
MEL15
MEL20
3400
LTD 3402
0 GAMMA RAY (GAPI) 150
6 CALIPER (in) 16
0 MINMK 20
ABHV
10 (ft3) 0
TBHV
0 (ft3) 10
0 MEL1.5 (Ohm-m) 40
0 MEL 20 (Ohm-m) 40

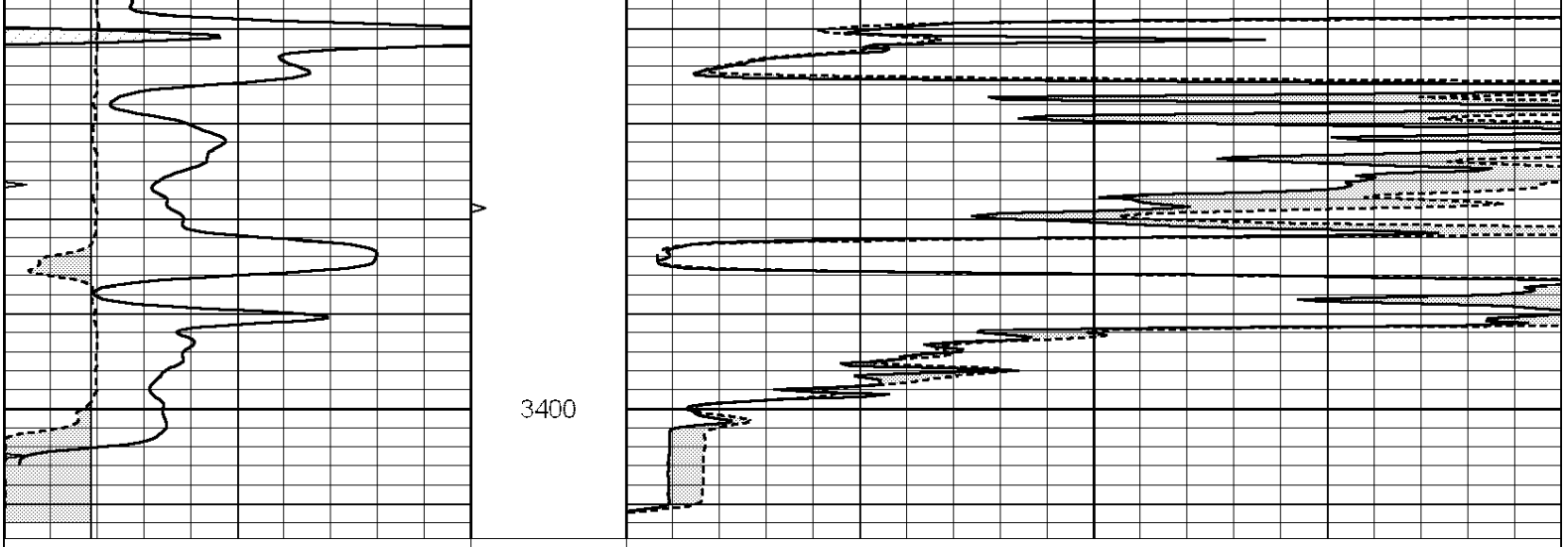
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REPEAT SECTION

Database File:	30689pe.db
Dataset Pathname:	pass5.4
Presentation Format:	micro
Dataset Creation:	Sat Mar 12 20:58:55 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			





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: 30689pe.db
Dataset Pathname: pass6.2
Dataset Creation: Sat Mar 12 21:03:46 2016 by Calc SOC 120430

MICRO Calibration Report

Serial Number:	070910	
Tool Model:	ProbeN	
Performed:	Tue Mar 01 08:02:30 2016	
Caliper Calibration:	Gain=5.104	Offset=-0.218
	Low Cal	High Cal
References	7.300	16.000
Readings	1.473	3.178
1.5" Calibration:	Gain=40.000	Offset=-1.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.000	1.216
2" Calibration:	Gain=38.000	Offset=-0.800
	Low Cal	High Cal
References	0.000	20.000
Readings	0.002	1.053

Gamma Ray Calibration Report

Serial Number:	070559	
Tool Model:	OPEN_GR	
Performed:	Tue Mar 01 06:46:53 2016	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2100	GAPI/cps