



Casedhole Solutions

MICRO LOG

Company SHELBY RESOURCES, LLC
Well FRANCIS #1-36
Field SWEENEY SOUTHWEST
County PAWNEE
State KANSAS

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Location: API # : 15-145-21817-0000
2325' FNL & 2197' FWL
SEC 36 TWP 21S RGE 17W
Permanent Datum GROUND LEVEL Elevation 1971
Log Measured From KELLY BUSHING 11' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL/PE
DIL/SONIC
Elevation
K.B. 1982
D.F. 1980
G.L. 1971

Date	3/23/16
Run Number	TWO
Depth Driller	4000
Depth Logger	3998
Bottom Logged Interval	3980
Top Log Interval	3000
Casing Driller	8 5/8" @ 970'
Casing Logger	968
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.4/63
pH / Fluid Loss	10.5/7.2
Source of Sample	FLOWLINE
Rin @ Meas. Temp	.900 @ 71F
Rmf @ Meas. Temp	.675 @ 71F
Rmc @ Meas. Temp	1.08 @ 71F
Source of Rmf / Rmc	MEASUREMENT
Rin @ BHT	.551 @ 116F
Time Circulation Stopped	4.5 HOURS
Time Logger on Bottom	6:00 P.M.
Maximum Recorded Temperature	116F
Equipment Number	922339
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	KEITH REAVIS

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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
LARNED, KS. & HWY 19, 3E. RD "80TH AVE.", 1 1/2N, AROUND CURVE, E. INTO AND FOLLOW TRAIL
BACK NORTH

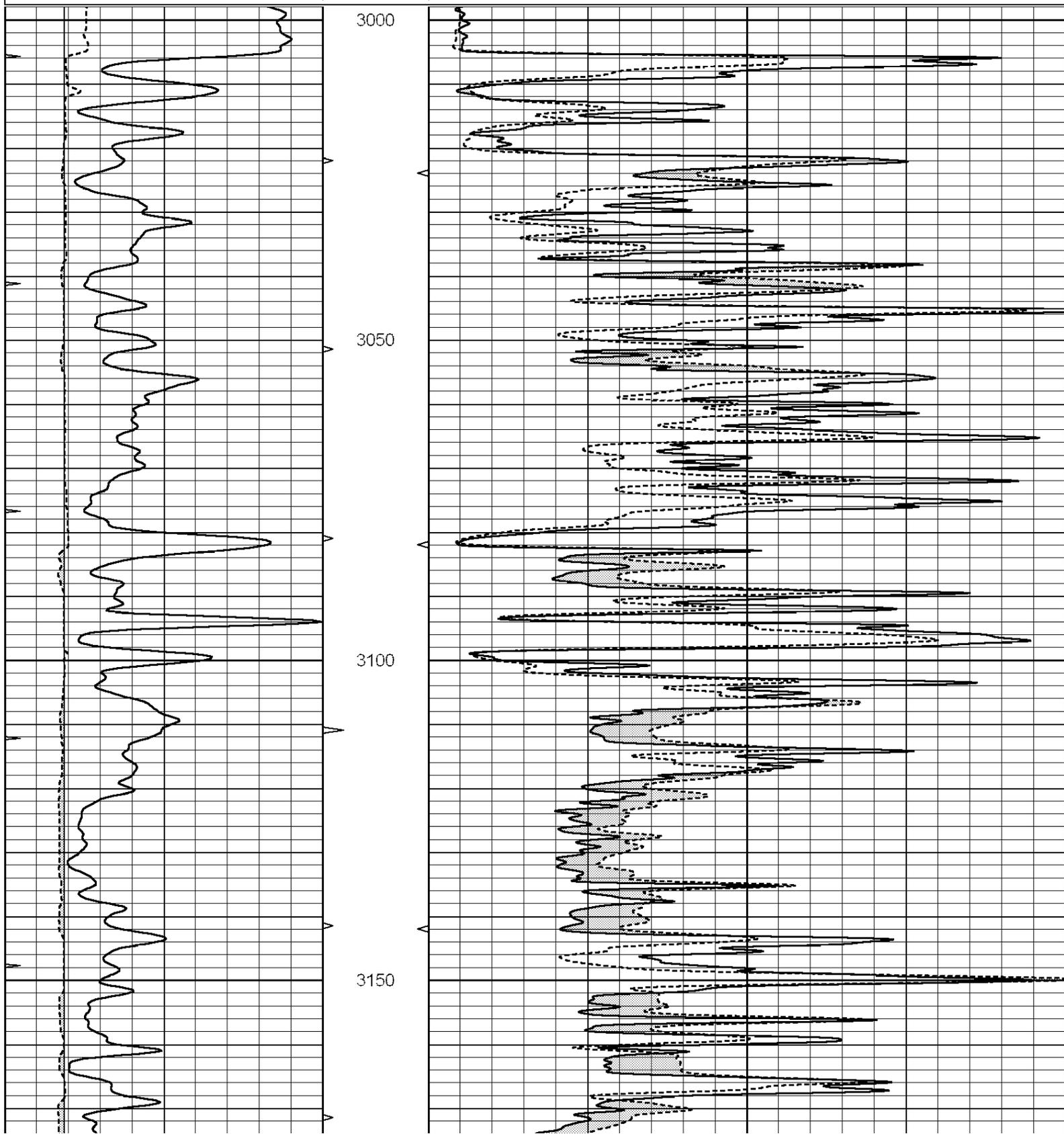


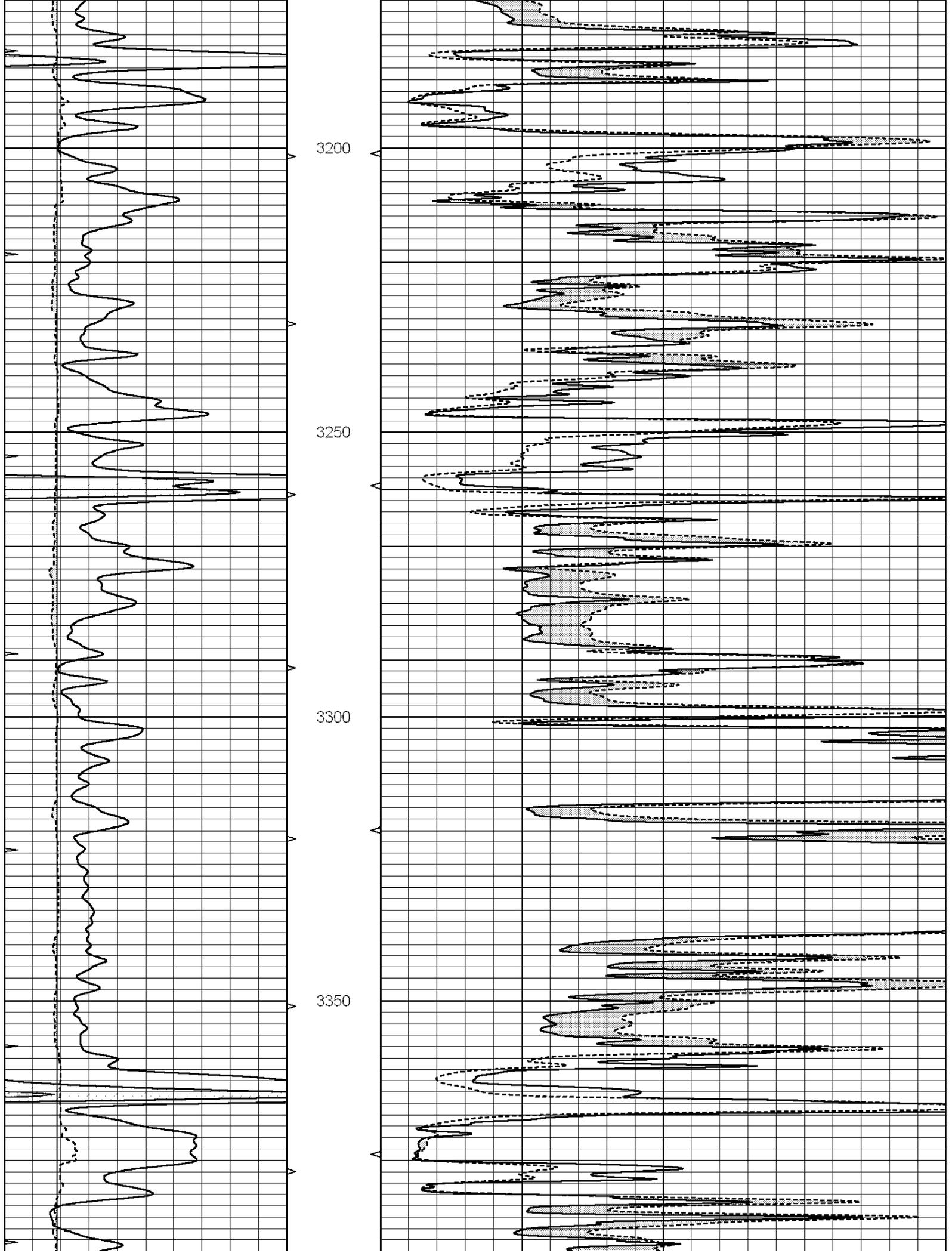
Casedhole Solutions

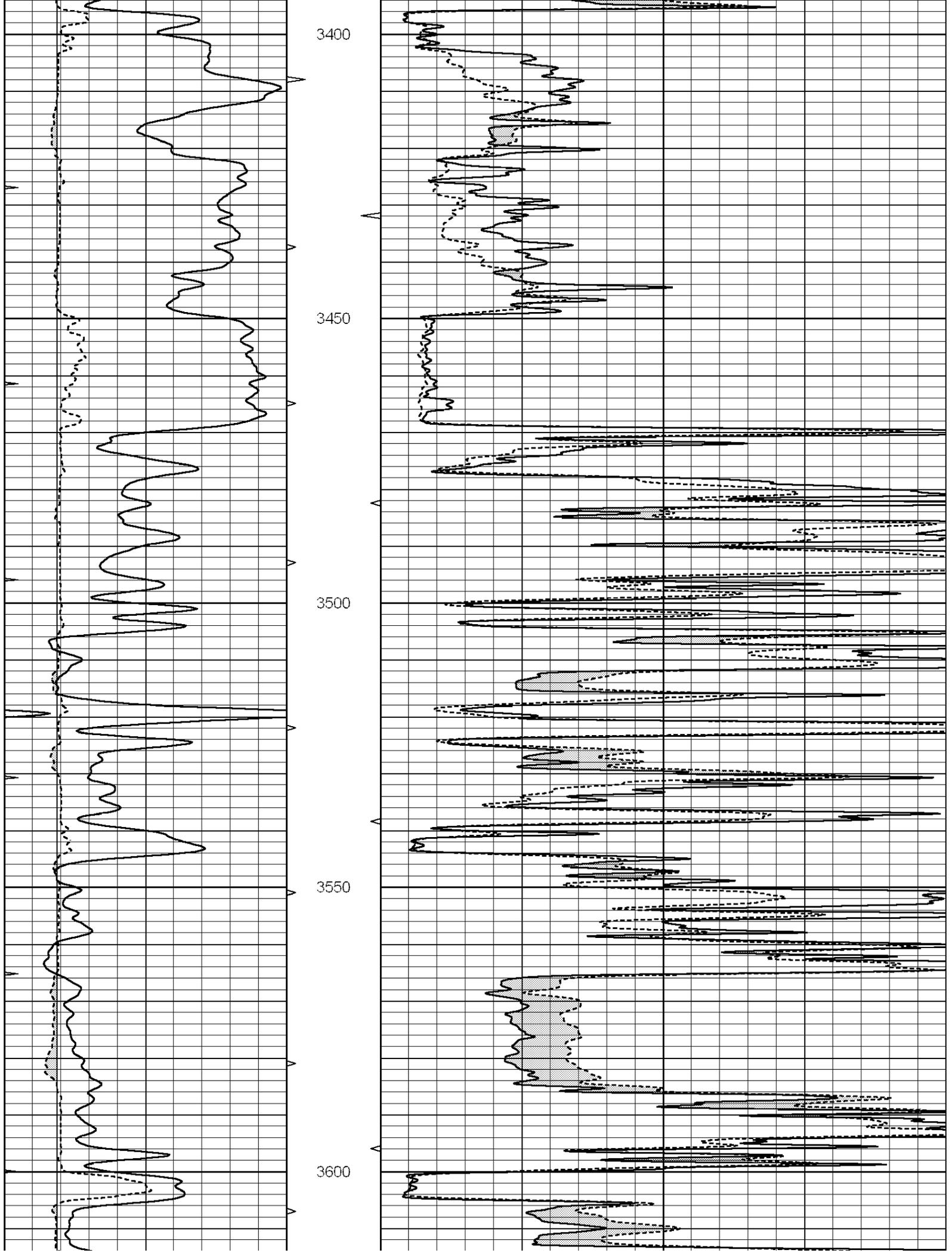
MAIN SECTION

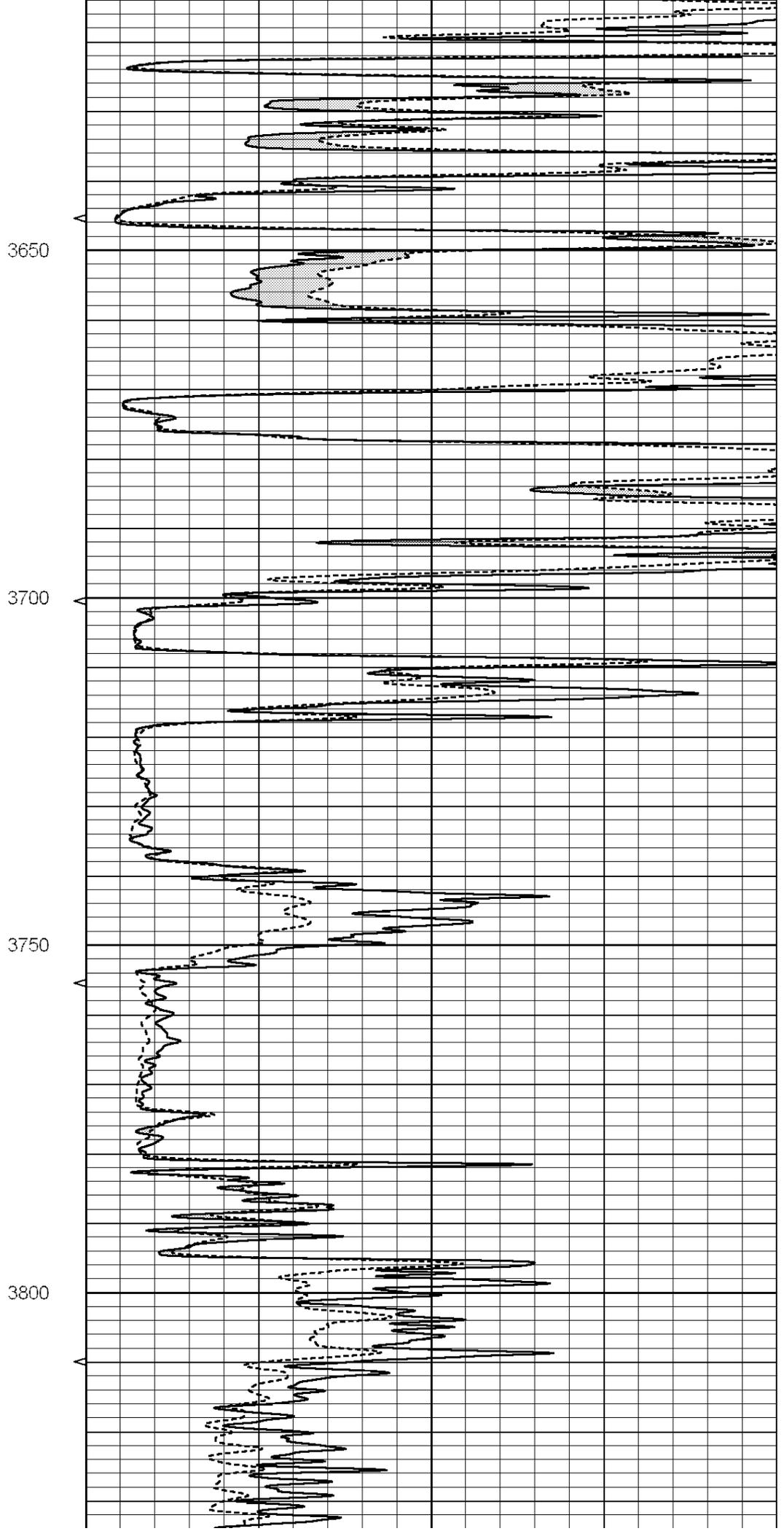
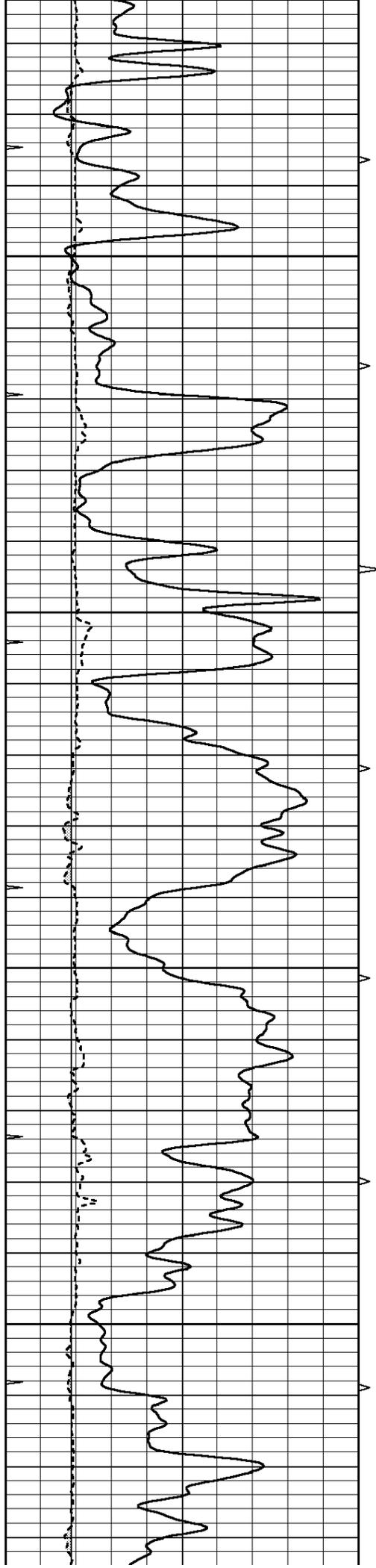
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 Dataset Pathname: pass6.1
 Presentation Format: micro
 Dataset Creation: Wed Mar 23 11:17:59 2016 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

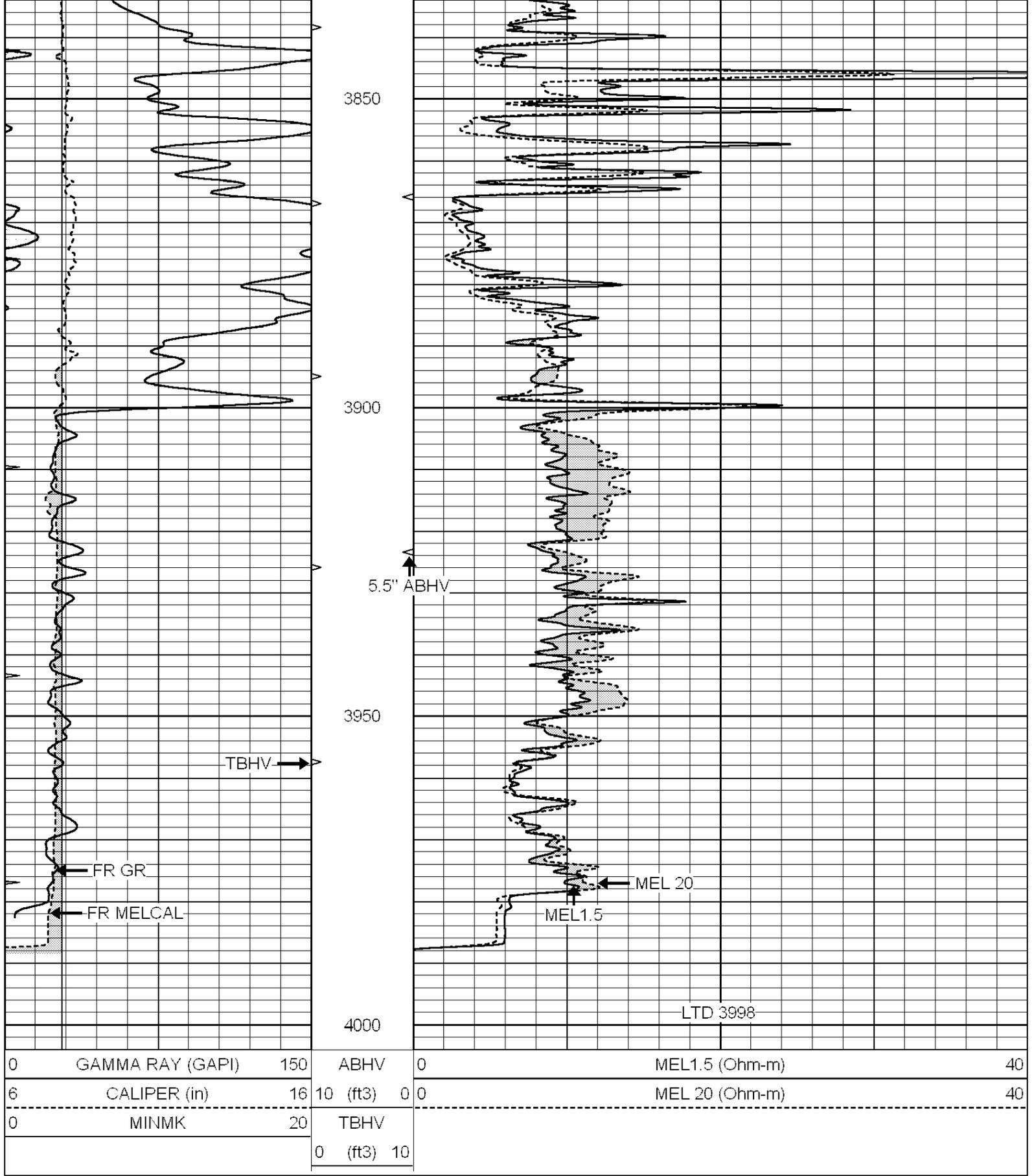
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		







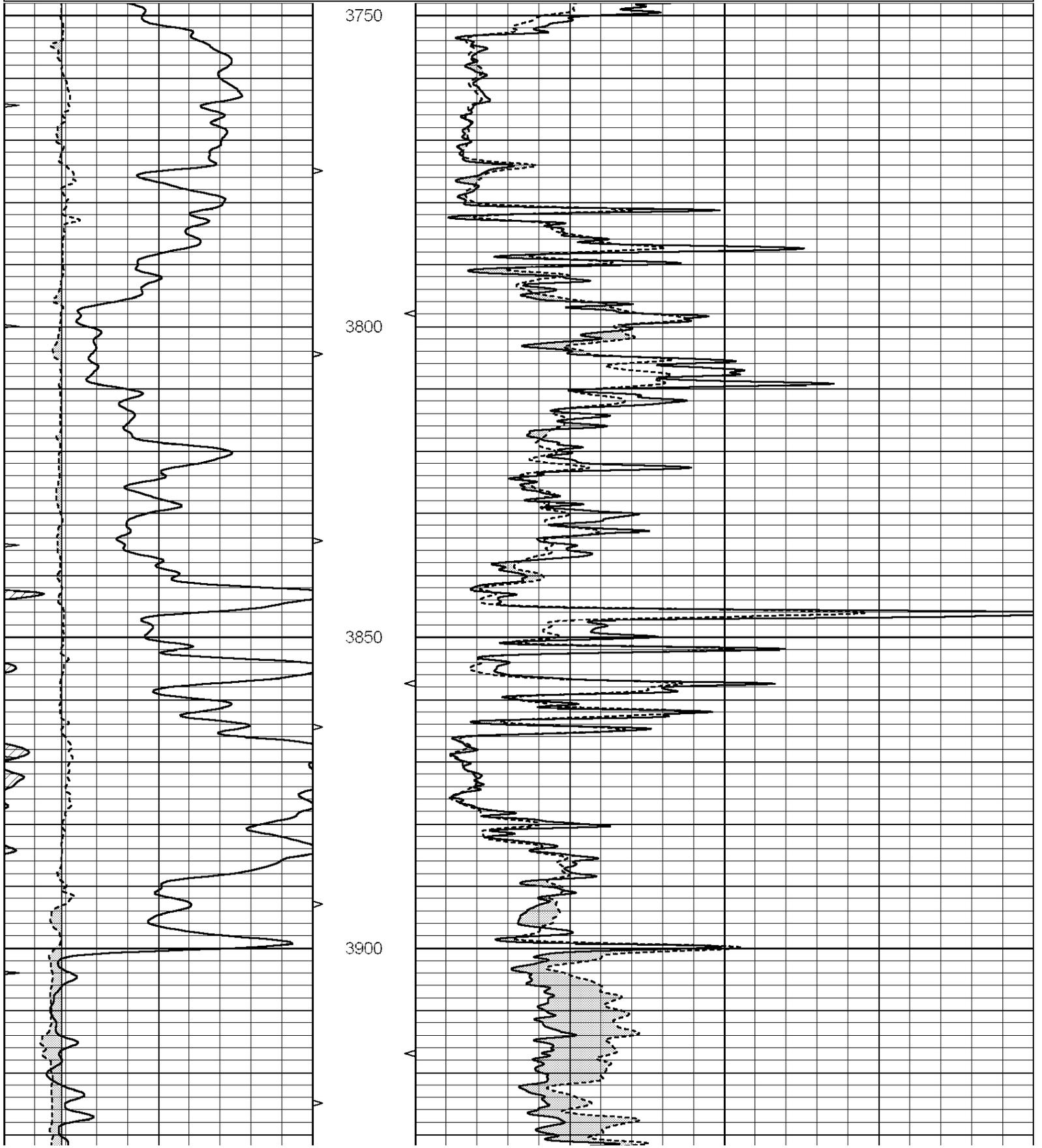


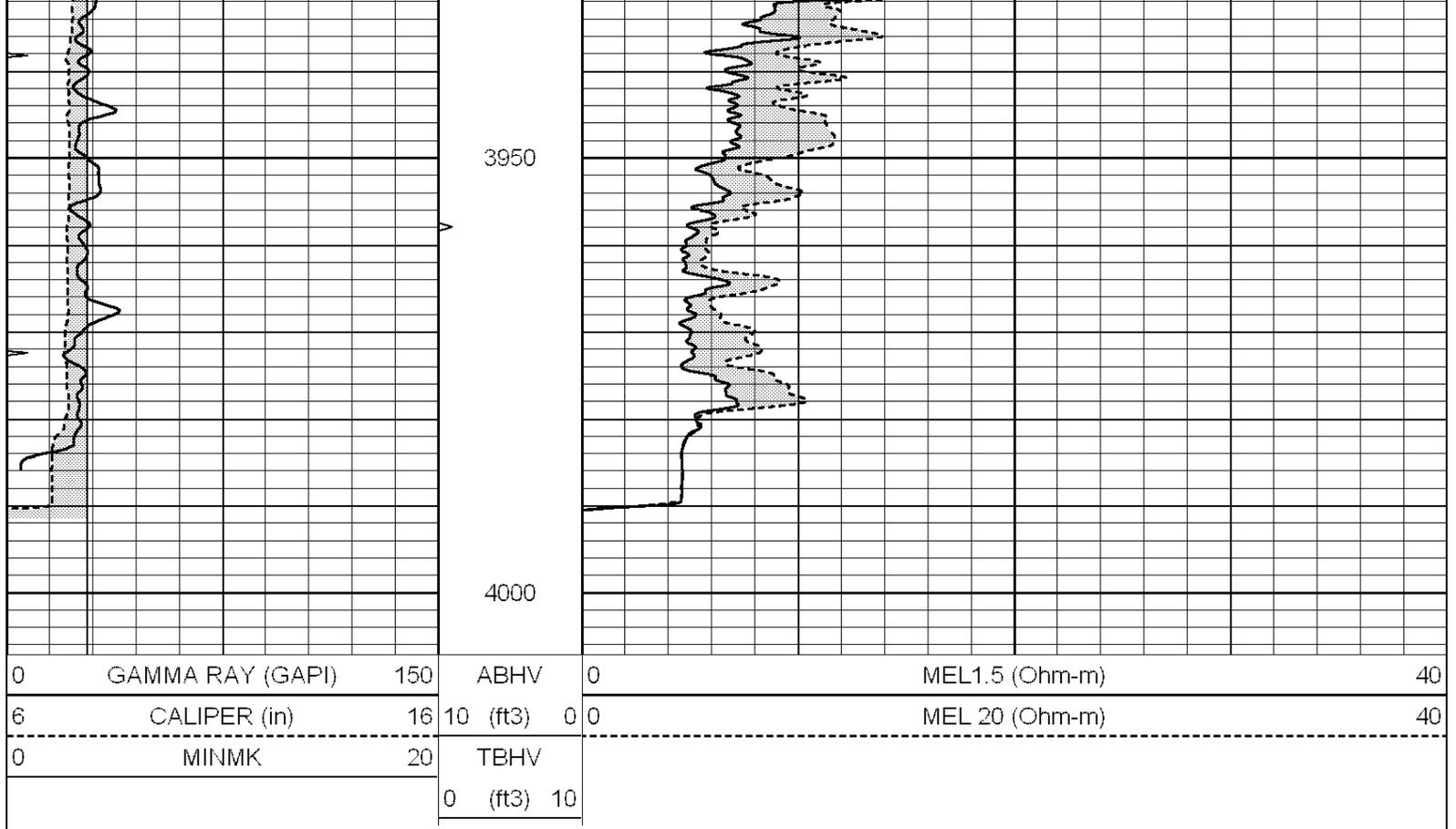


REPEAT SECTION

Dataset Pathname: pass5.3
 Presentation Format: micro
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 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: 30691pe.db
 Dataset Pathname: pass6.1
 Dataset Creation: Wed Mar 23 11:17:59 2016 by Calc SOC 120430

MICRO Calibration Report

Serial Number:	070911	
Tool Model:	ProbeN	
Performed:	Thu Jan 07 00:16:57 2016	
Caliper Calibration:	Gain=3.800	Offset=2.800
References	Low Cal	High Cal
Readings	8.500	18.000
	1.500	4.000
1.5" Calibration:	Gain=32.000	Offset=-0.300
References	Low Cal	High Cal
Readings	0.000	20.000
	0.001	1.240
2" Calibration:	Gain=46.000	Offset=-0.600
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:	Wed Mar 23 09:49:03 2016	
Calibrator Value:	1.0	GAPI

Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2100	GAPI/cps