NABORS
COMPLETION & PRODUCTION SERVICES CO.

MICRO LOG

Company	DEUTSCH OIL COMPANY
Well	HOEME TRUST #3-17
Field	IUKA - CARMI
County	PRATT
State	KANSAS

Company DEUTSCH OIL COMPANY
Well HOEME TRUST #3-17
Field IUKA - CARMI
County PRATT State KANSAS
Location: API # : 15-151-22426-0000
2970' FSL & 2970' FEL
SE - SE - NW
SEC 17 TWP 27S RGE 12W

Other Services
CDL/CNL
DIL

Permanent Datum GROUND LEVEL Elevation 1858
Log Measured From KELLY BUSHING 10' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 1868
D.F. 1866
G.L. 1858

Date	10/28/13		
Run Number	TWO		
Depth Driller	4452		
Depth Logger	4450		
Bottom Logged Interval	4448		
Top Log Interval	3400		
Casing Driller	10 3/4"@297'		
Casing Logger	300		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 6,000 PPM	
Density / Viscosity	9.5/46		
pH / Fluid Loss	9.0/10.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.650@80F		
Rmf @ Meas. Temp	.488@80F		
Rmc @ Meas. Temp	.780@80F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.433@120F		
Time Circulation Stopped	4.5 HOURS		
Time Logger on Bottom	3:30 P.M.		
Maximum Recorded Temperature	120F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KENT DEUTSCH		

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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 "NABORS" HAYS, KANSAS (785) 628-6395
DIRECTIONS
PRATT, KS., 3 N.E. ON HWY 61 TO "ST. PAUL CHURCH", 1E., N. INTO

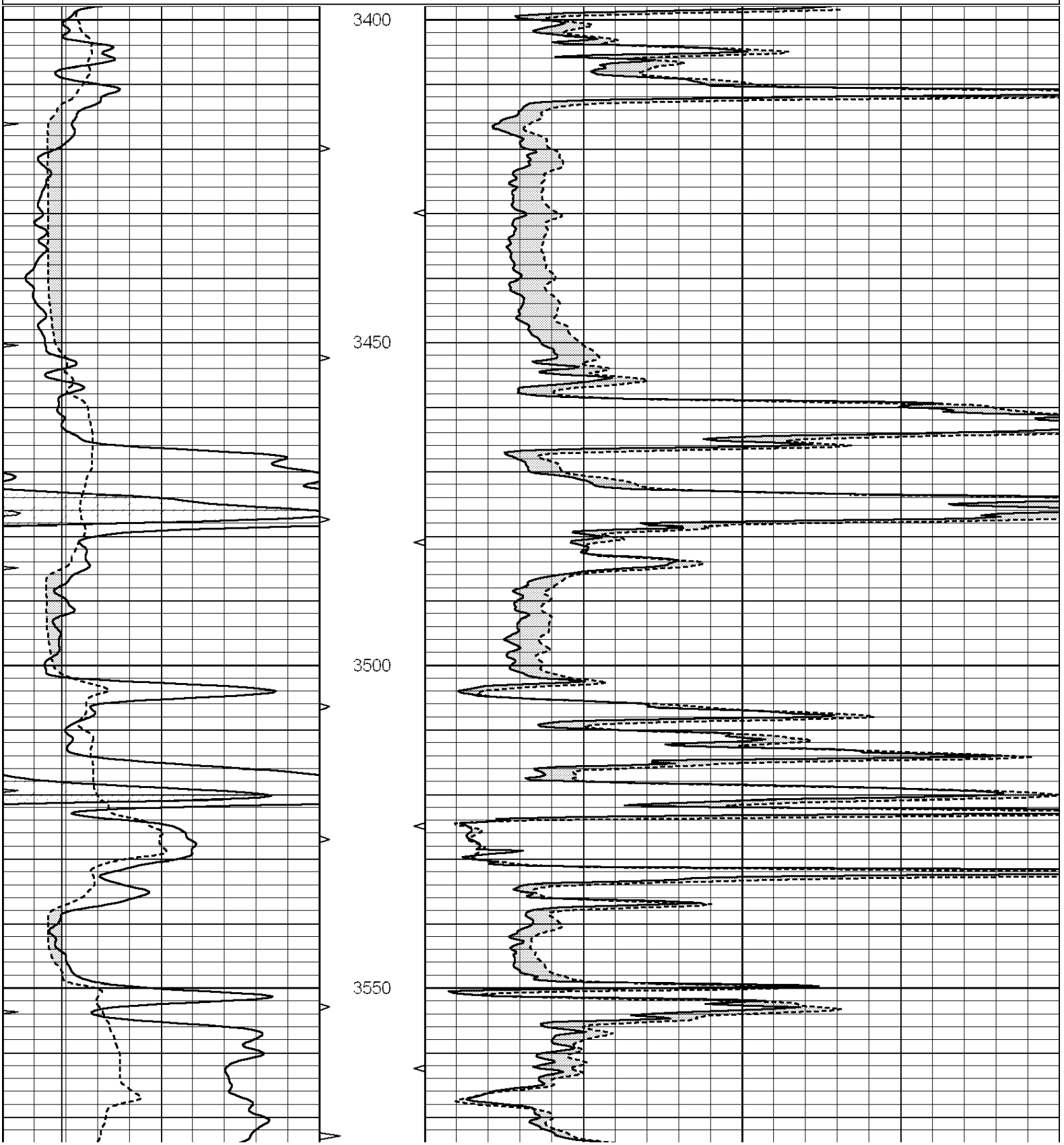
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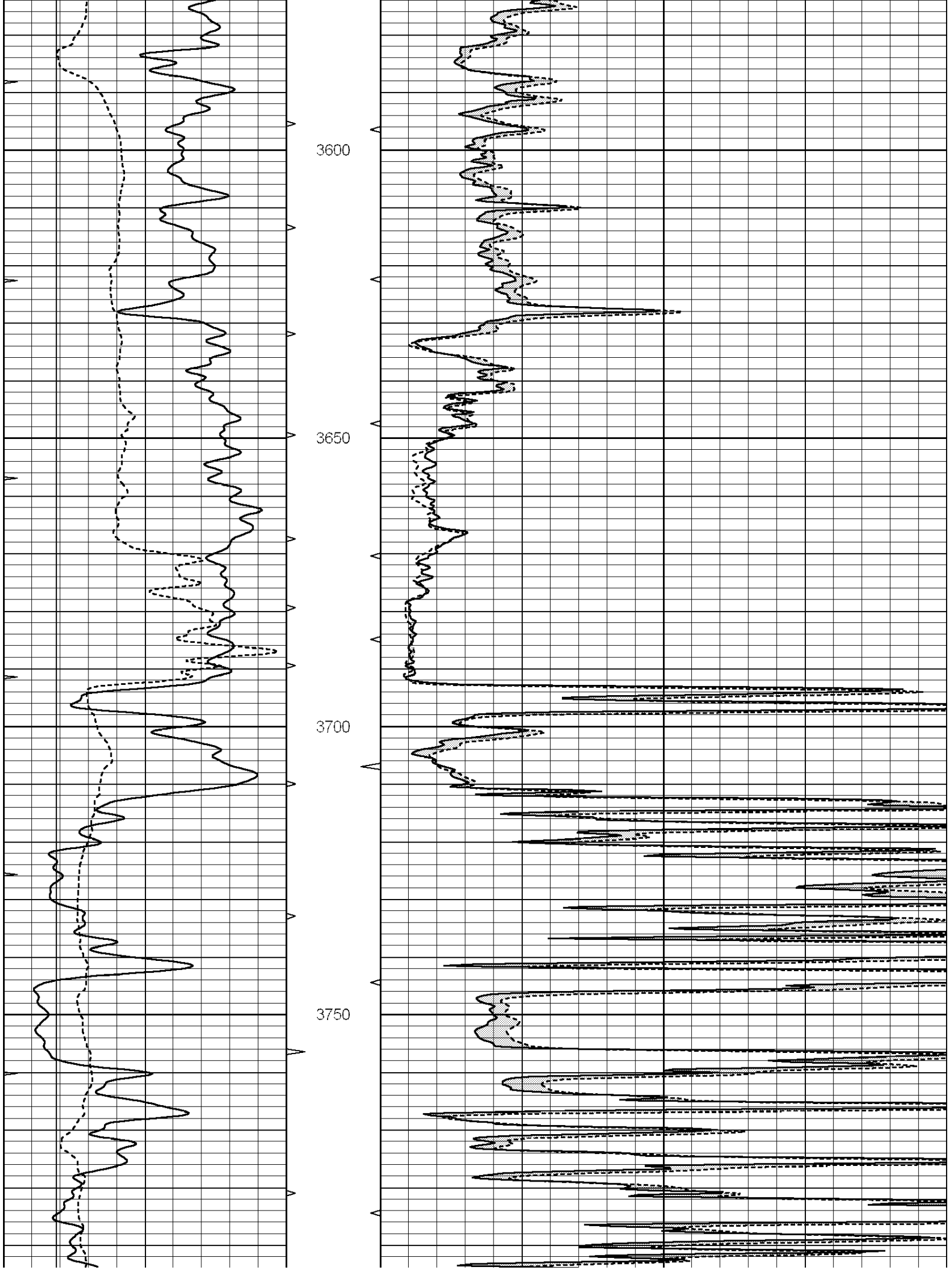
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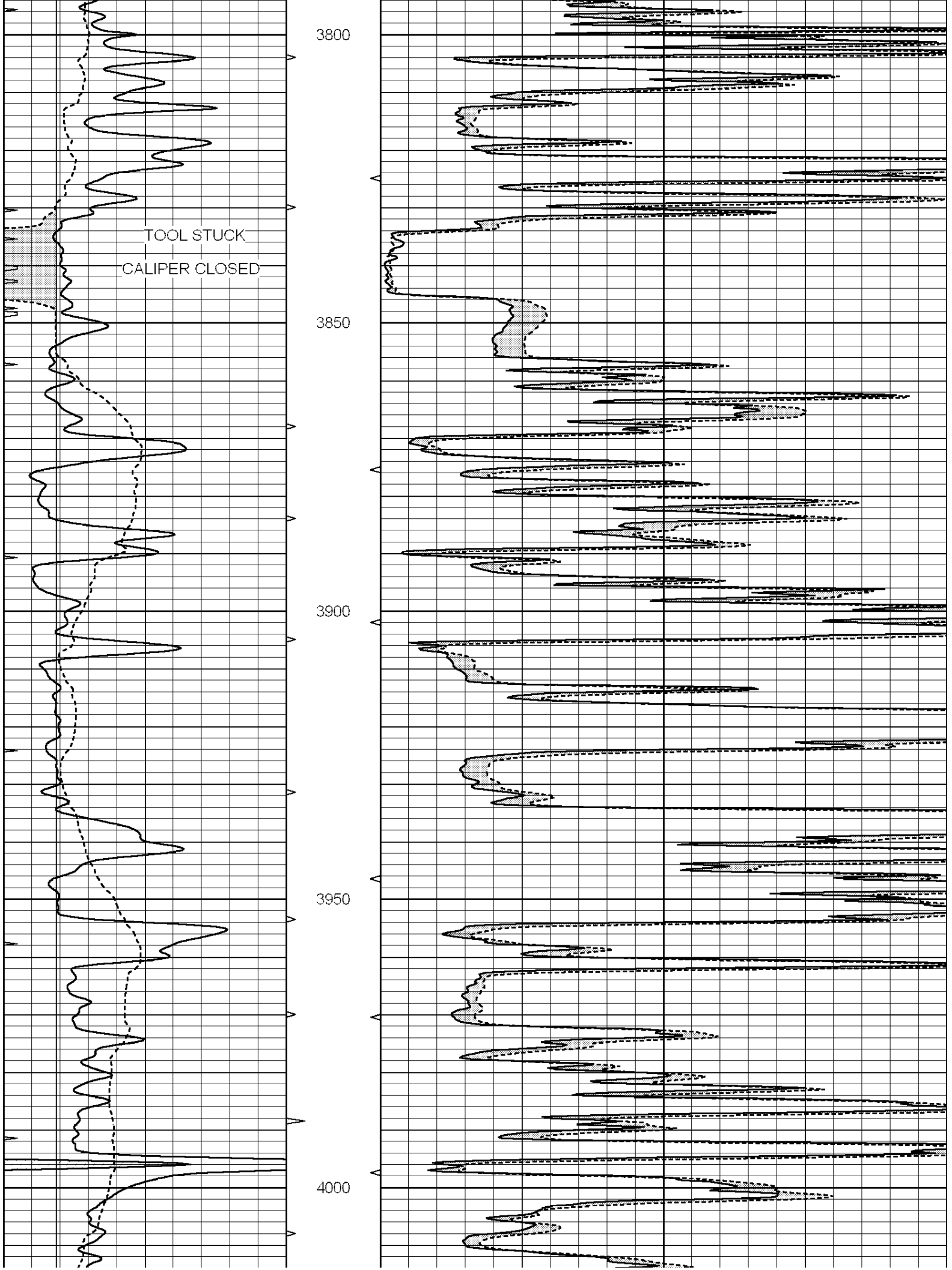
SERVICES CO.

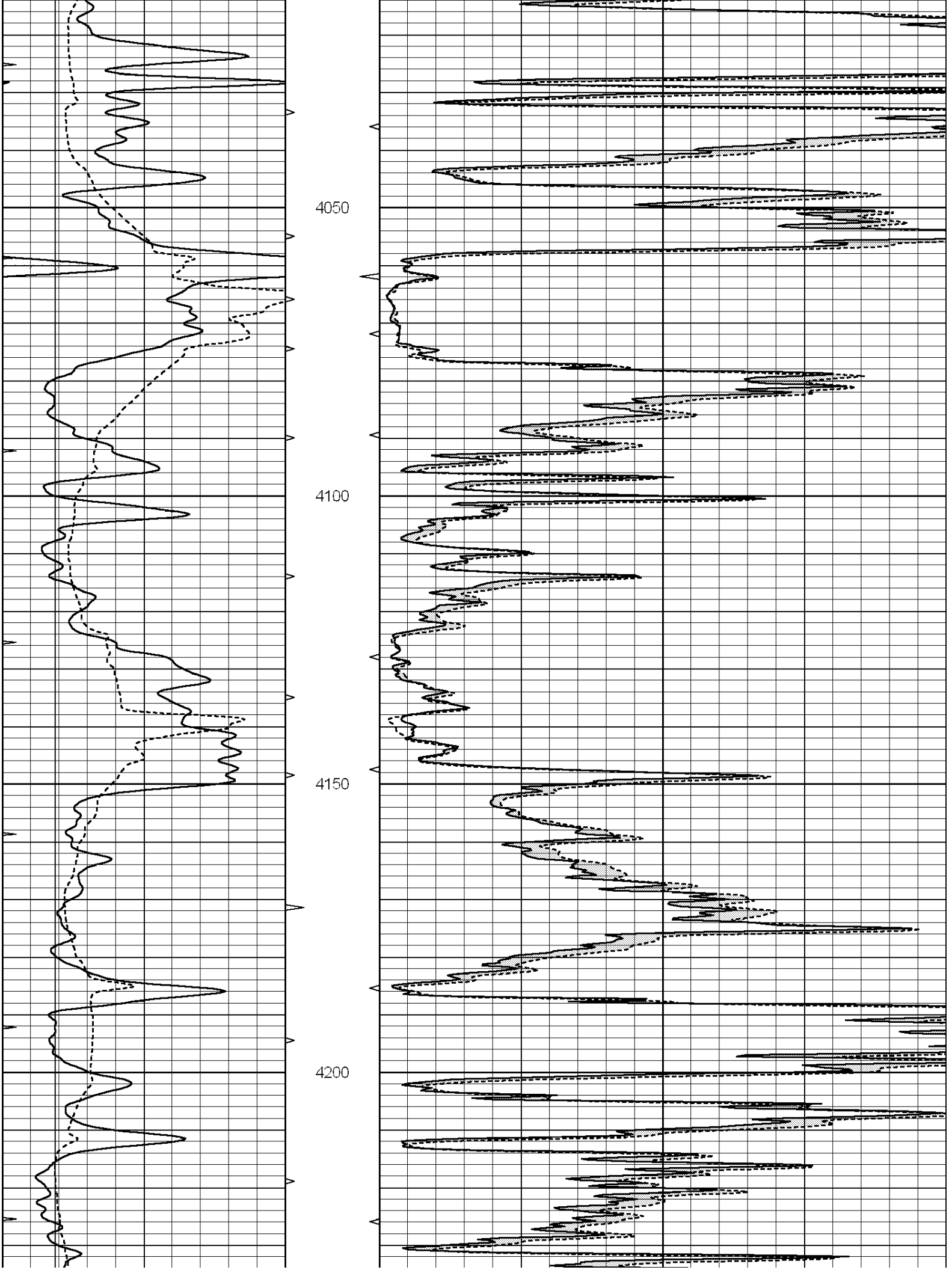
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Dataset Pathname: pass6.6
Presentation Format: micro
Dataset Creation: Mon Oct 28 18:54:08 2013
Charted by: Depth in Feet scaled 1:240

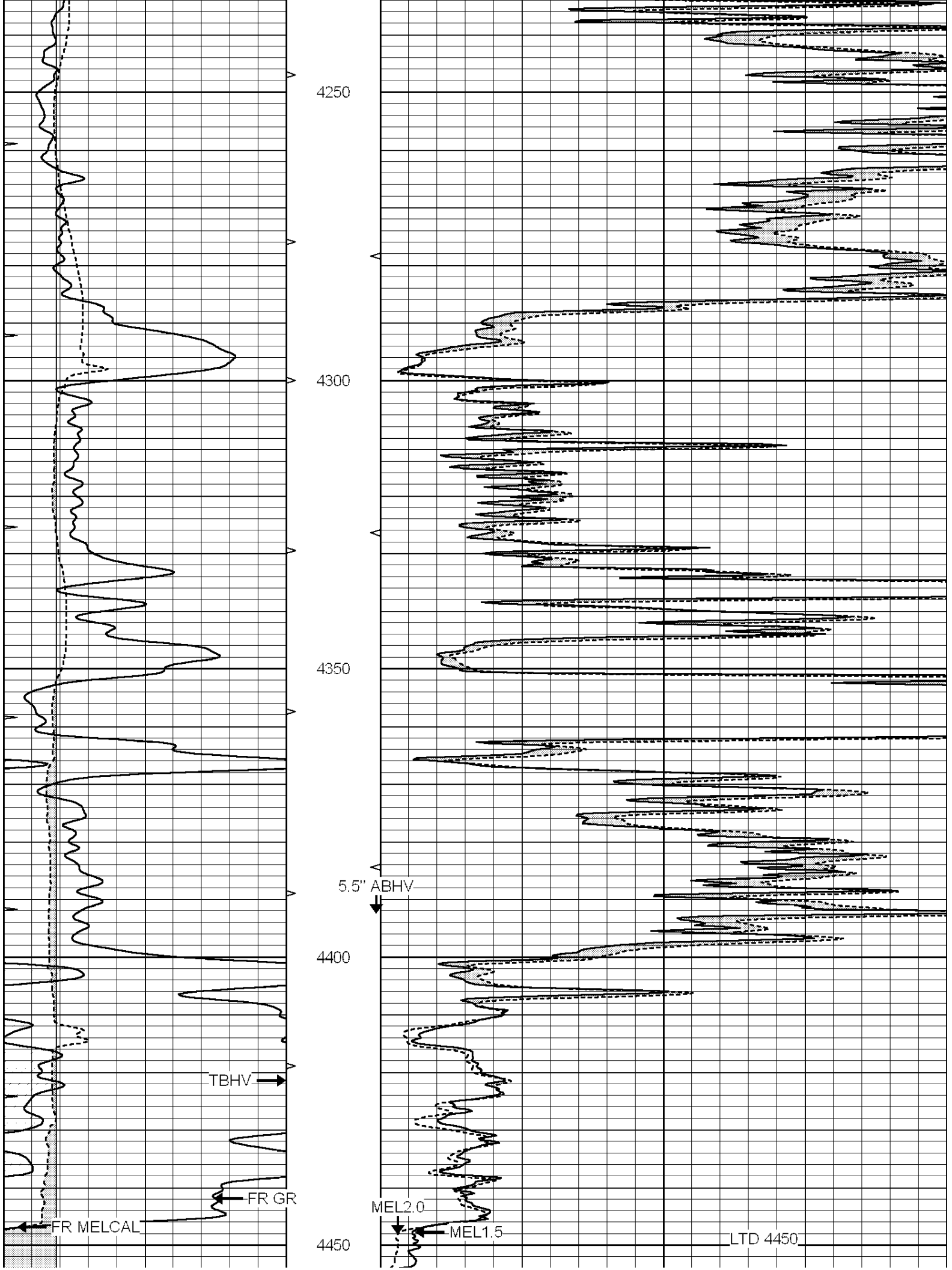
0 GAMMA RAY (GAPI) 150	ABHV	0 MEL1.5 (Ohm-m) 40
6 CALIPER (in) 16	10 (ft3) 0	0 MEL2.0 (Ohm-m) 40
0 MINMK 20	TBHV	
	0 (ft3) 10	




3600
3650
3700
3750


TOOL STUCK
CALIPER CLOSED
3800
3850
3900
3950
4000


4050
4100
4150
4200


4250
4300
4350
5.5" ABHV
4400
TBHV
FR GR
MEL2.0
FR MELCAL
MEL1.5
4450
LTD 4450

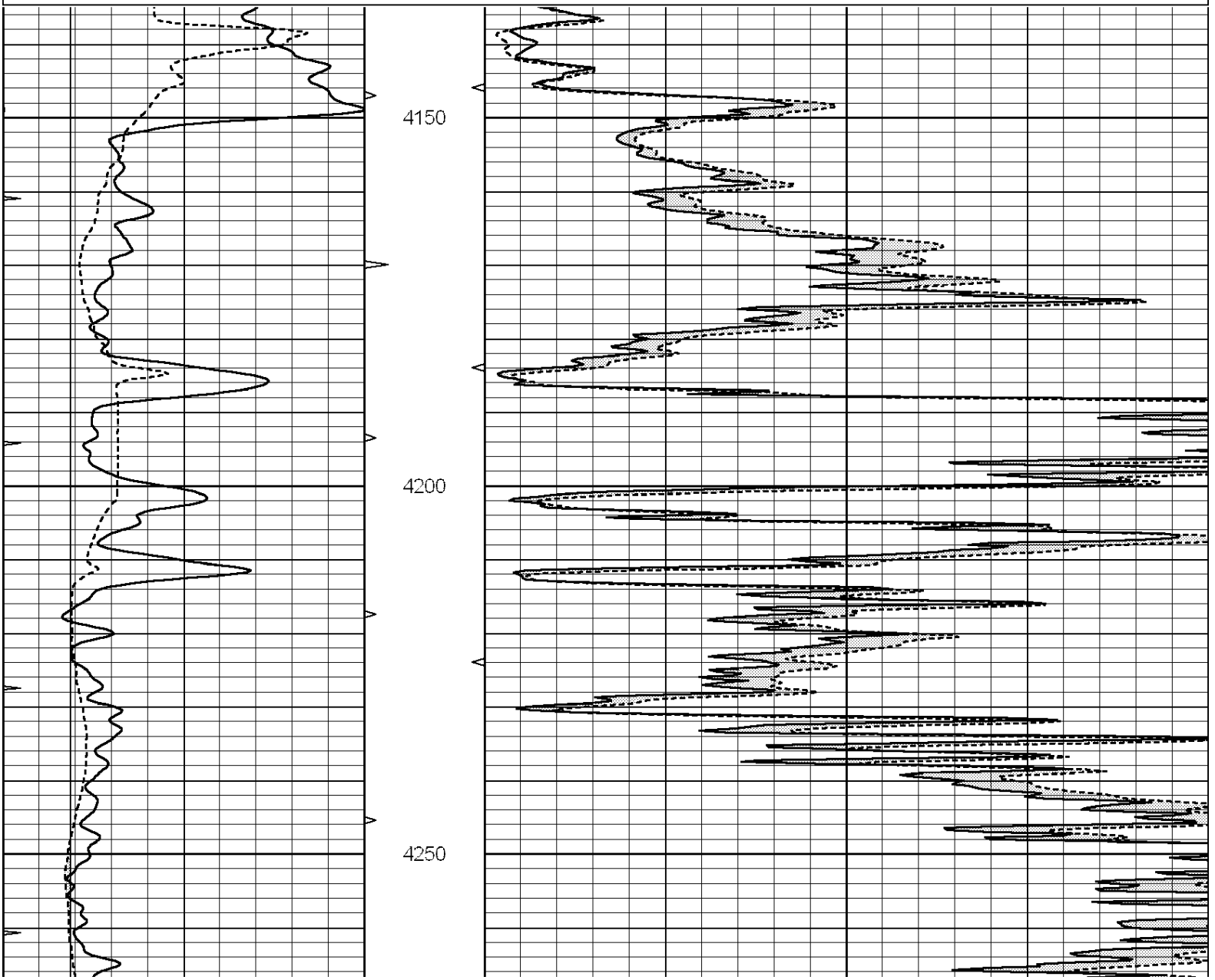
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m) 40
6	CALIPER (in)	16	10 (ft3) 0	0	MEL2.0 (Ohm-m) 40
0	MINMK	20	TBHV		
			0 (ft3) 10		

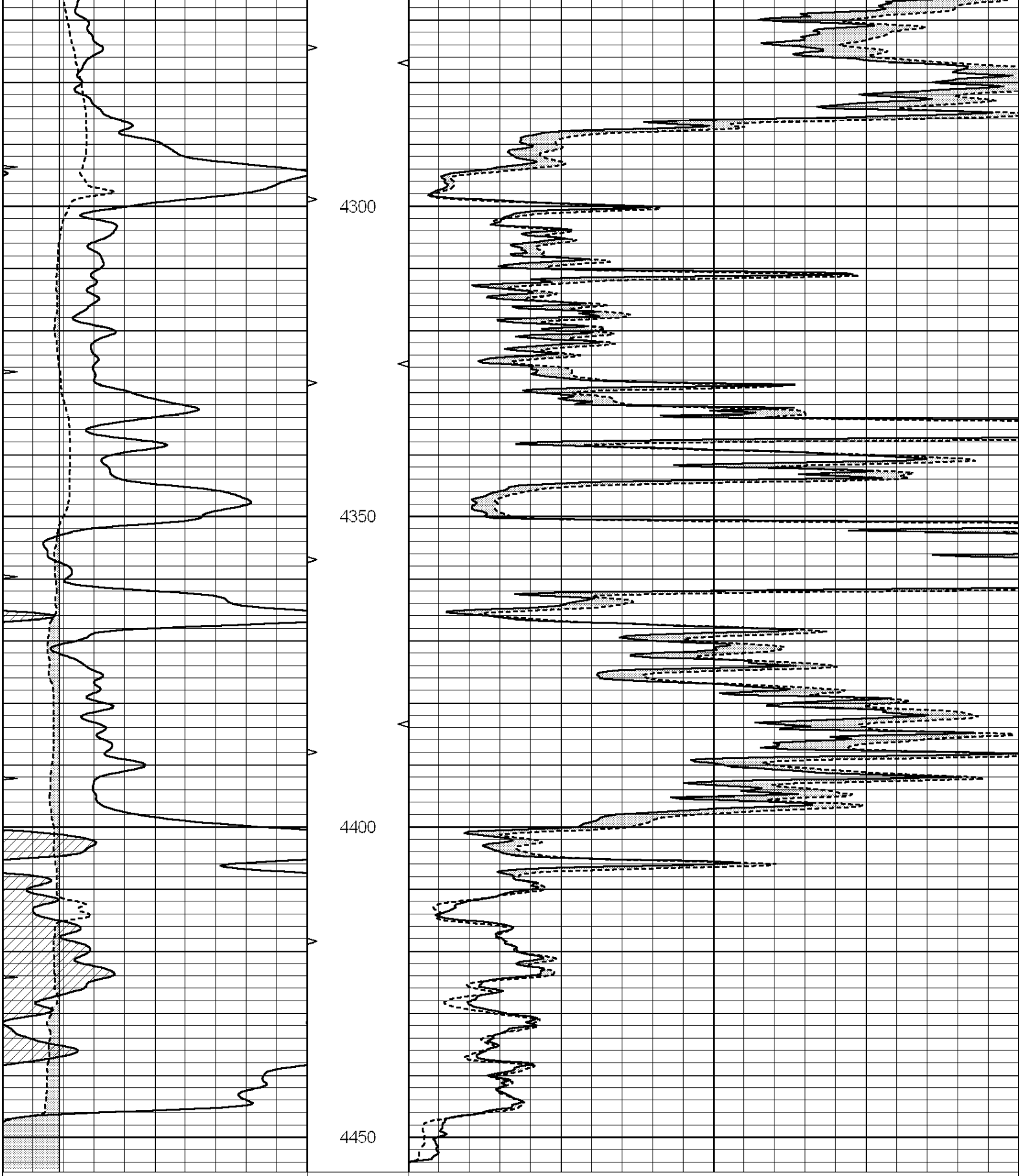
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REPEAT SECTION

Database File: 011698ddn.db
Dataset Pathname: pass5.3
Presentation Format: micro
Dataset Creation: Mon Oct 28 18:00:54 2013 by Calc SOC 120430
Charted by: Depth in Feet scaled 1:240

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6	CALIPER (in)	16	10 (ft3) 0	0	MEL2.0 (Ohm-m) 40
0	MINMK	20	TBHV		
			0 (ft3) 10		





Calibration Report

Database File:	011698ddn.db
Dataset Pathname:	pass6.6
Dataset Creation:	Mon Oct 28 18:54:08 2013

MICRO Calibration Report

Serial Number:	2	
Tool Model:	PROBE	
Performed:	Mon Oct 28 17:41:54 2013	
Caliper Calibration:	Gain=6.521	Offset=-3.991
	Low Cal	High Cal
References	7.300	16.000
Readings	1.731	3.065
1.5" Calibration:	Gain=24.000	Offset=-1.500
	Low Cal	High Cal
References	0.000	20.000
Readings	0.015	0.458
2" Calibration:	Gain=66.000	Offset=-1.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.003	0.384

Gamma Ray Calibration Report

Serial Number:	GR3	
Tool Model:	OPEN	
Performed:	Mon Oct 28 17:41:49 2013	
Calibrator Value:	200.0	GAPI
Background Reading:	3.0	cps
Calibrator Reading:	186.0	cps
Sensitivity:	1.0000	GAPI/cps