



**Casedhole
Solutions**

**MICRO
LOG**

Company		PHILLIPS EXPLORATION CO. L.C.	
Well		WERTH #1-30	
Field		WILDCAT	
County		TREGO	
State		KANSAS	
Company		PHILLIPS EXPLORATION COMPANY, L.C.	
Well		WERTH #1-30	
Field		WILDCAT	
County		TREGO	
State		KANSAS	
Location:		API # : 15-195-23002-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		1380' FNL & 1250' FEL	
Drilling Measured From		NW - NW - SE - NE	
SEC 30		TWP 13S	
RGE 25W		Elevation	
K.B. 2410		CDL/CNL	
D.F. 2408		DIL	
G.L. 2405			
Date	12/9/15		
Run Number	TWO		
Depth Driller	4399		
Depth Logger	4400		
Bottom Logged Interval	4398		
Top Log Interval	3400		
Casing Driller	8 5/8"@217'		
Casing Logger	217		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3,700 PPM	
Density / Viscosity	9.5/46		
pH / Fluid Loss	9.5/8.0		
Source of Sample	FLOWLINE		
Rin @ Meas. Temp	1.20@75F		
Rinf @ Meas. Temp	.900@75F		
Rinc @ Meas. Temp	1.44@75F		
Source of Rinf / Rinc	MEASUREMENT		
Rin @ BHT	750@120F		
Time Circulation Stopped	4.5 HOURS		
Time Logger on Bottom	8:45 A.M.		
Maximum Recorded Temperature	120F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	PAT DEENIHAN		

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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
COLLYER, KS. & I-70 EXIT, 9S. TO "RD. Q", 1 1/2W., S. INTO AT TREE ROW

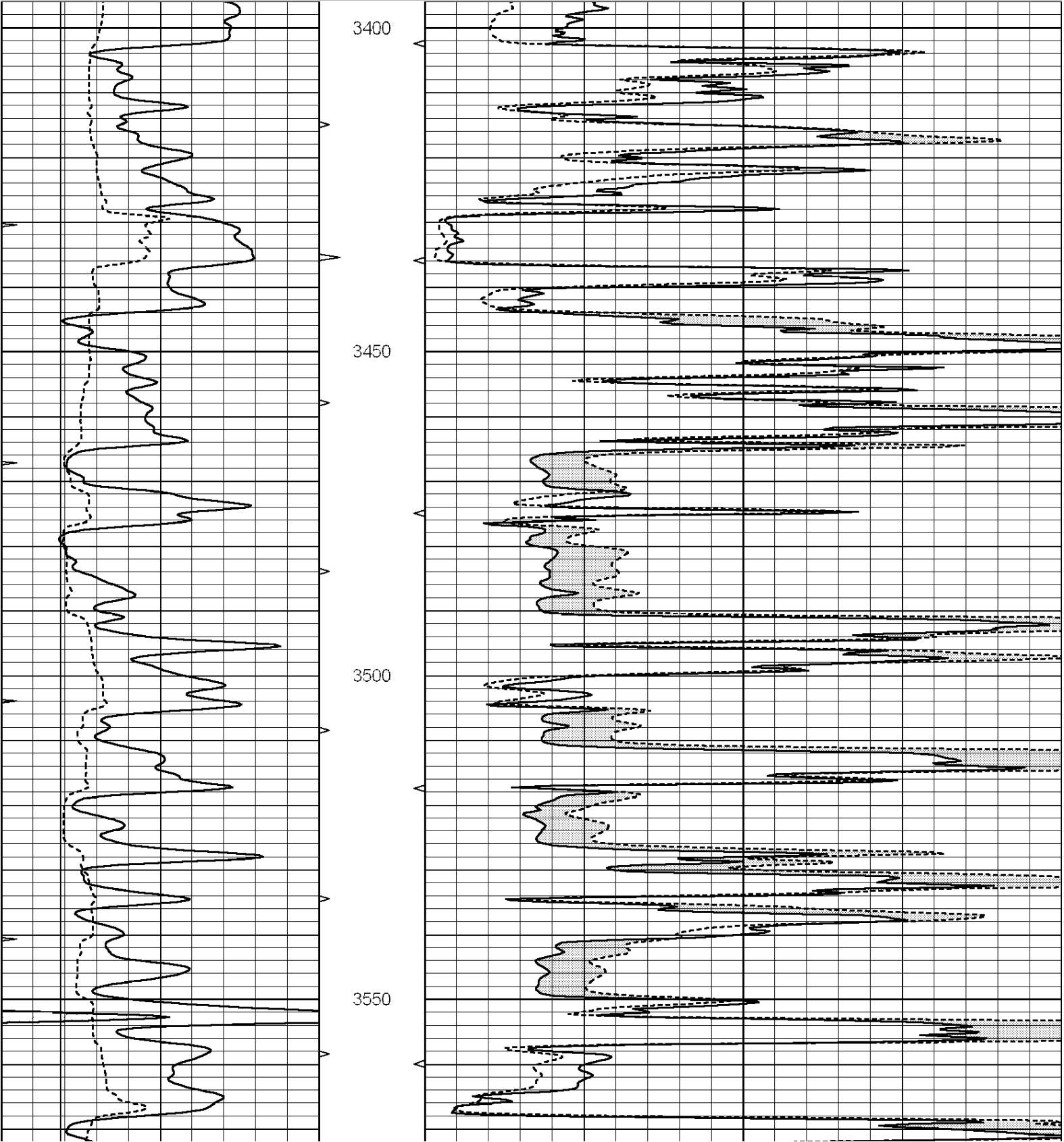


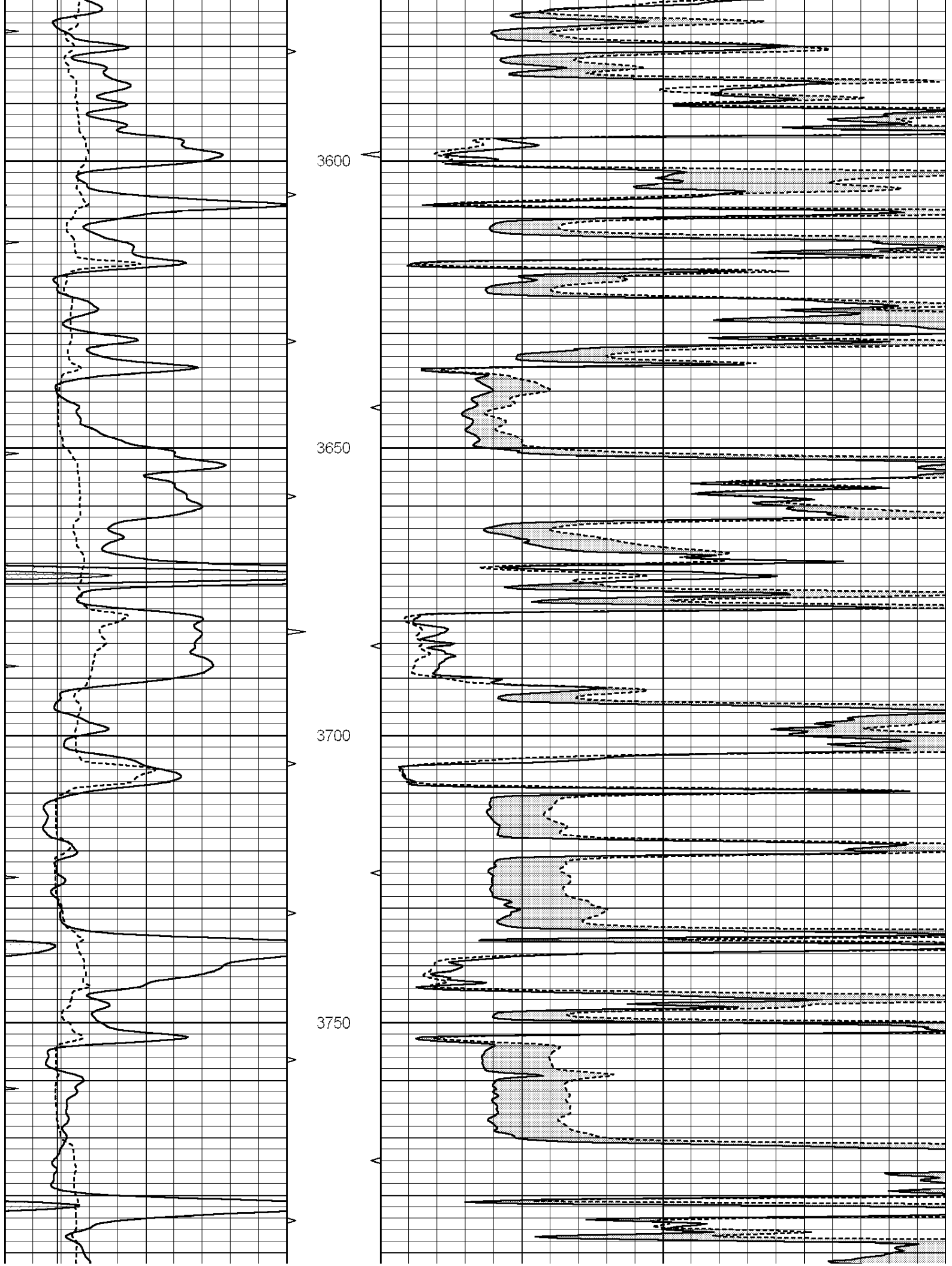
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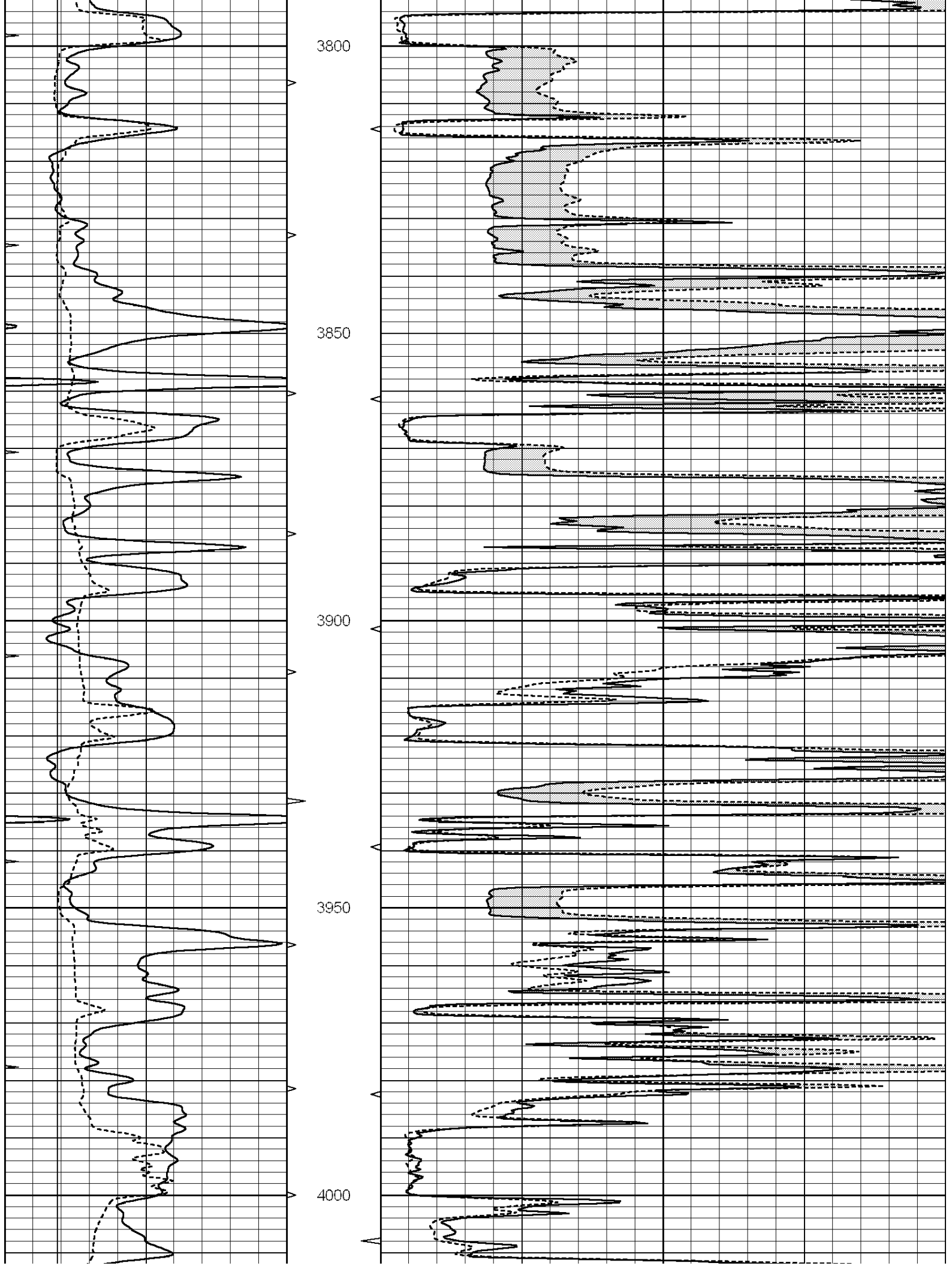
MAIN SECTION

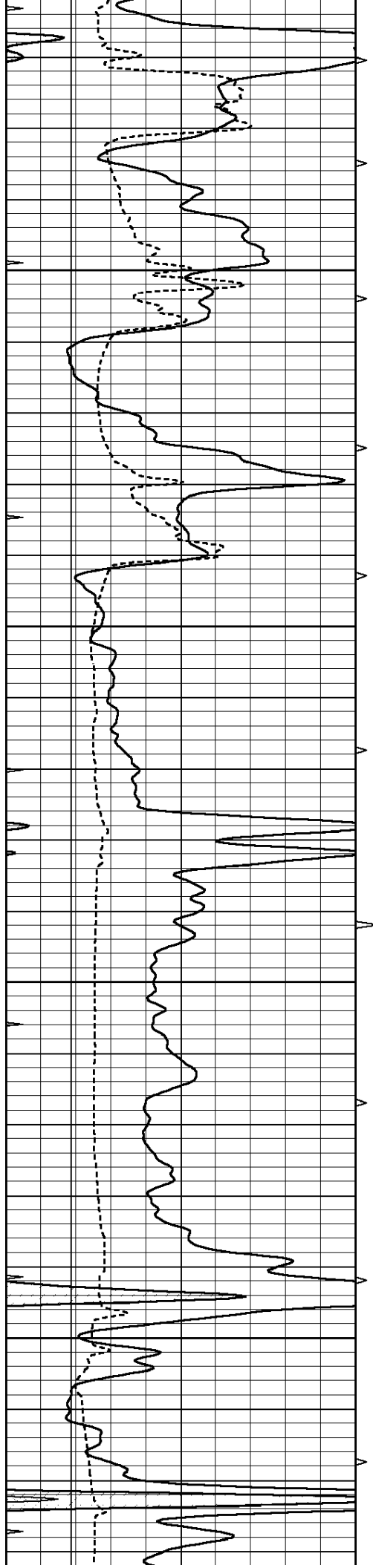
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Dataset Pathname: pass6.2
Presentation Format: micro
Dataset Creation: Wed Dec 09 11:28:33 2015 by Calc SOC 120430
Charted by: Depth in Feet scaled 1:240

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		







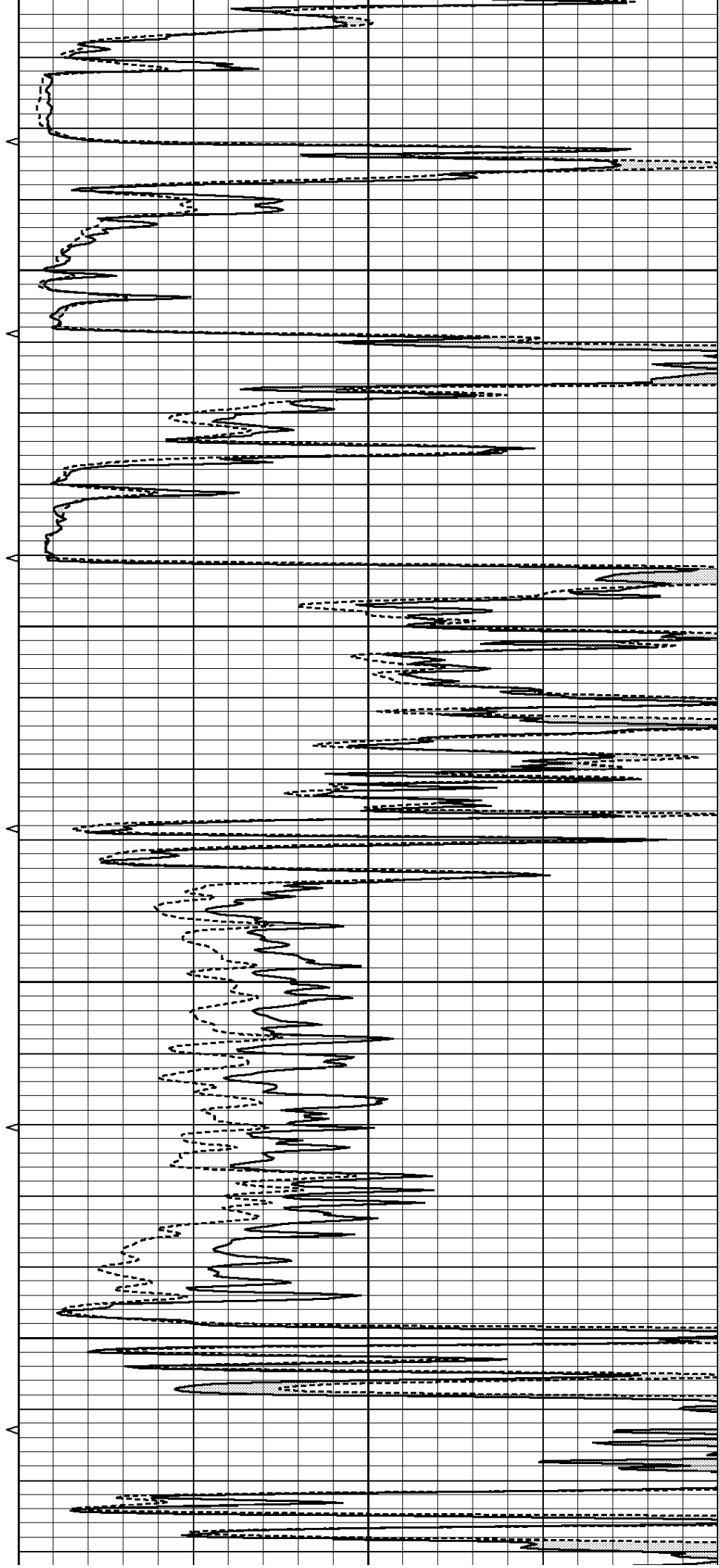


4050

4100

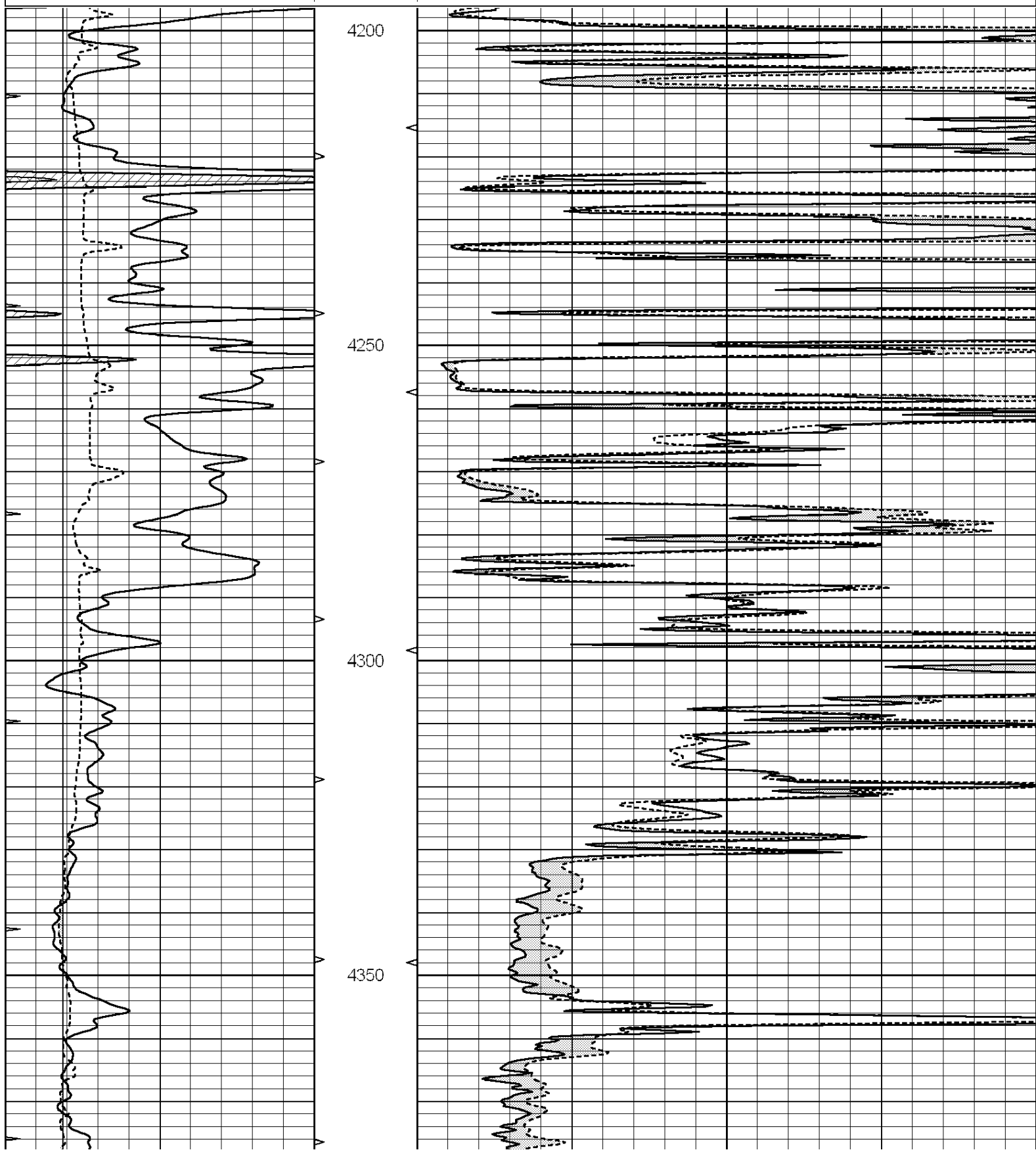
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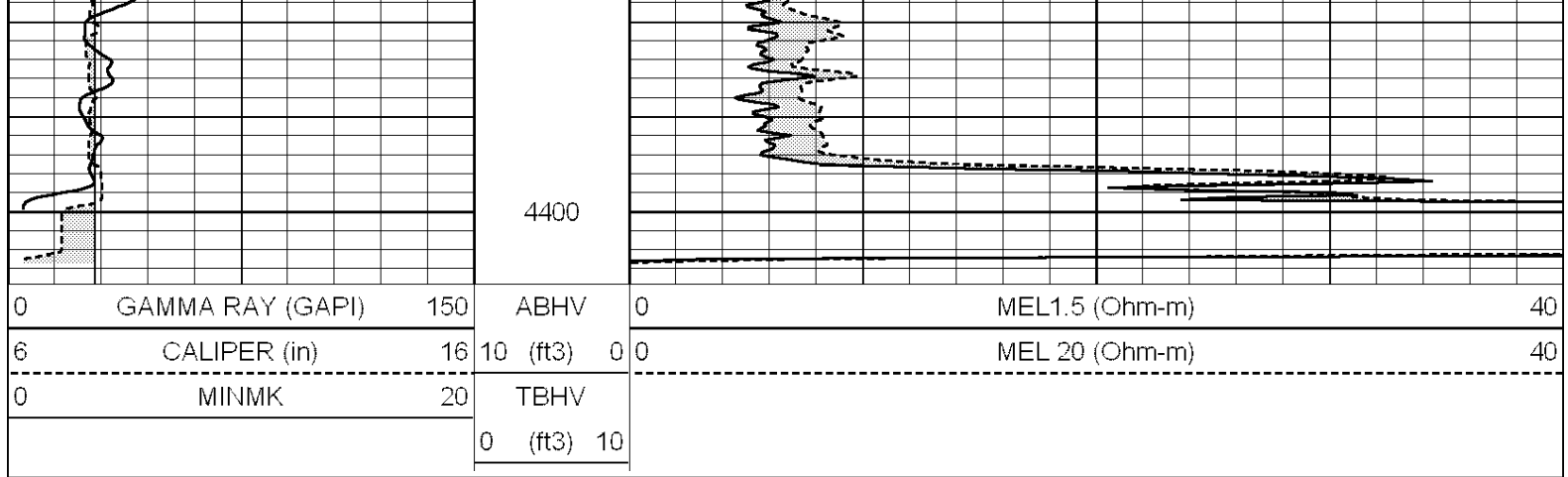
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Database File: 30680ddn.db
Dataset Pathname: pass5.3
Presentation Format: micro
Dataset Creation: Wed Dec 09 11:34:07 2015 by Calc SOC 120430
Charted by: Depth in Feet scaled 1:240

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:	30680ddn.db		
Dataset Pathname:	pass6.2		
Dataset Creation:	Wed Dec 09 11:28:33 2015 by Calc SOC 120430		
MICRO Calibration Report			
Serial Number:	070912		
Tool Model:	ProbeN		
Performed:	Fri Nov 20 16:11:23 2015		
Caliper Calibration:	Gain=2.647	Offset=6.306	
	Low Cal	High Cal	
References	7.600	15.000	
Readings	0.489	3.285	
1.5" Calibration:	Gain=30.000	Offset=-1.000	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.002	1.239	
2" Calibration:	Gain=42.000	Offset=-1.400	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.003	1.075	
Gamma Ray Calibration Report			
Serial Number:	070559		
Tool Model:	OPEN_GR		
Performed:	Tue Dec 08 04:24:28 2015		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.2200	GAPI/cps	