



**Casedhole Solutions**

**MICRO LOG**

Company RED OAK ENERGY, INC.  
Well JOHNSON VIEW#1-30  
Field WILD CAT  
County WALLACE  
State KANSAS

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Location: API # : 15-199-20434-0000  
115' FSL & 1940' FWL  
SE - SW - SE - SW  
Permanent Datum GROUND LEVEL Elevation 3239  
Log Measured From KELLY BUSHING 5' A.G.L.  
Drilling Measured From KELLY BUSHING  
Elevation  
K.B. 3244  
D.F. 3242  
G.L. 3239

Date	12/7/15
Run Number	TWO
Depth Driller	4810
Depth Logger	4812
Bottom Logged Interval	4796
Top Log Interval	3400
Casing Driller	8 5/8" @ 346'
Casing Logger	336
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.3/54
pH / Fluid Loss	9.0/9.6
Source of Sample	FLOWLINE
Rim @ Meas. Temp	.600 @ 70F
Rmf @ Meas. Temp	.450 @ 70F
Rmc @ Meas. Temp	.720 @ 70F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	.341 @ 123F
Time Circulation Stopped	4.5 HOURS
Time Logger on Bottom	11:45 P.M.
Maximum Recorded Temperature	123F
Equipment Number	22339
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	SEAN 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**

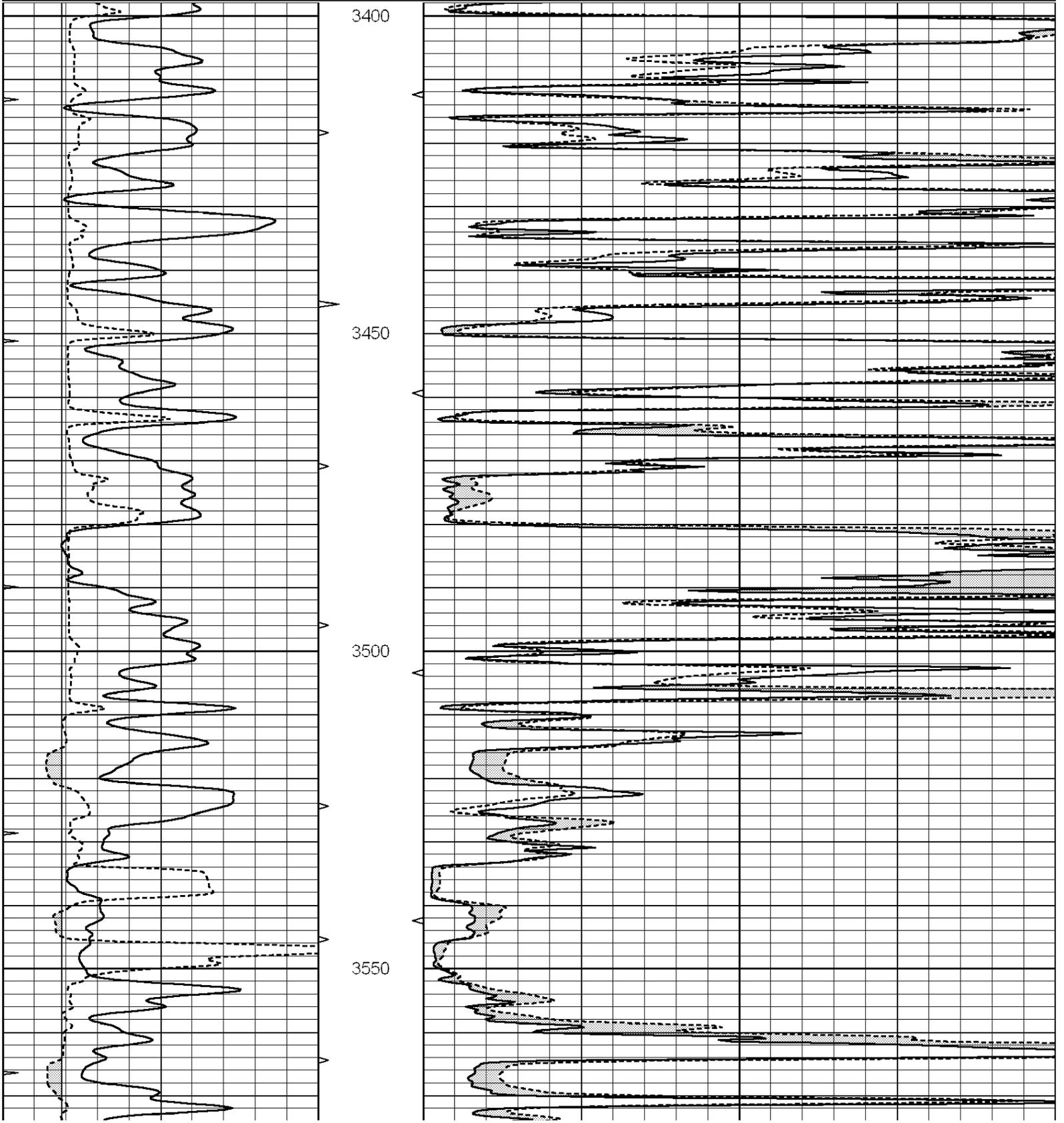
THANK YOU FOR USING C & J ENERGY (CASED HOLE SOLUTIONS) HAYS, KANSAS (785) 628-6395  
DIRECTIONS  
WALLACE, KS., 1 1/2S. OF OLD 40 HWY, 1/2E. INTO

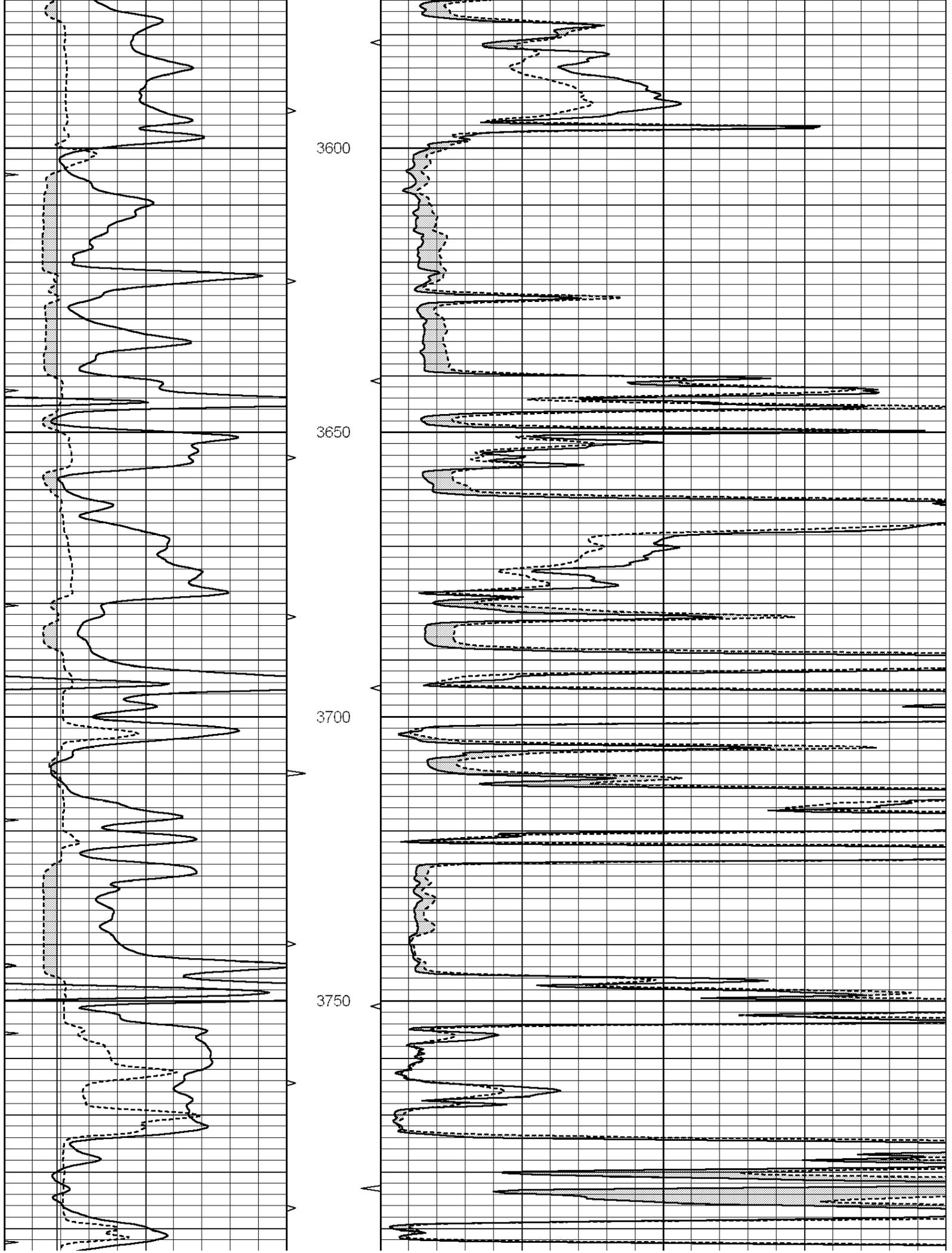


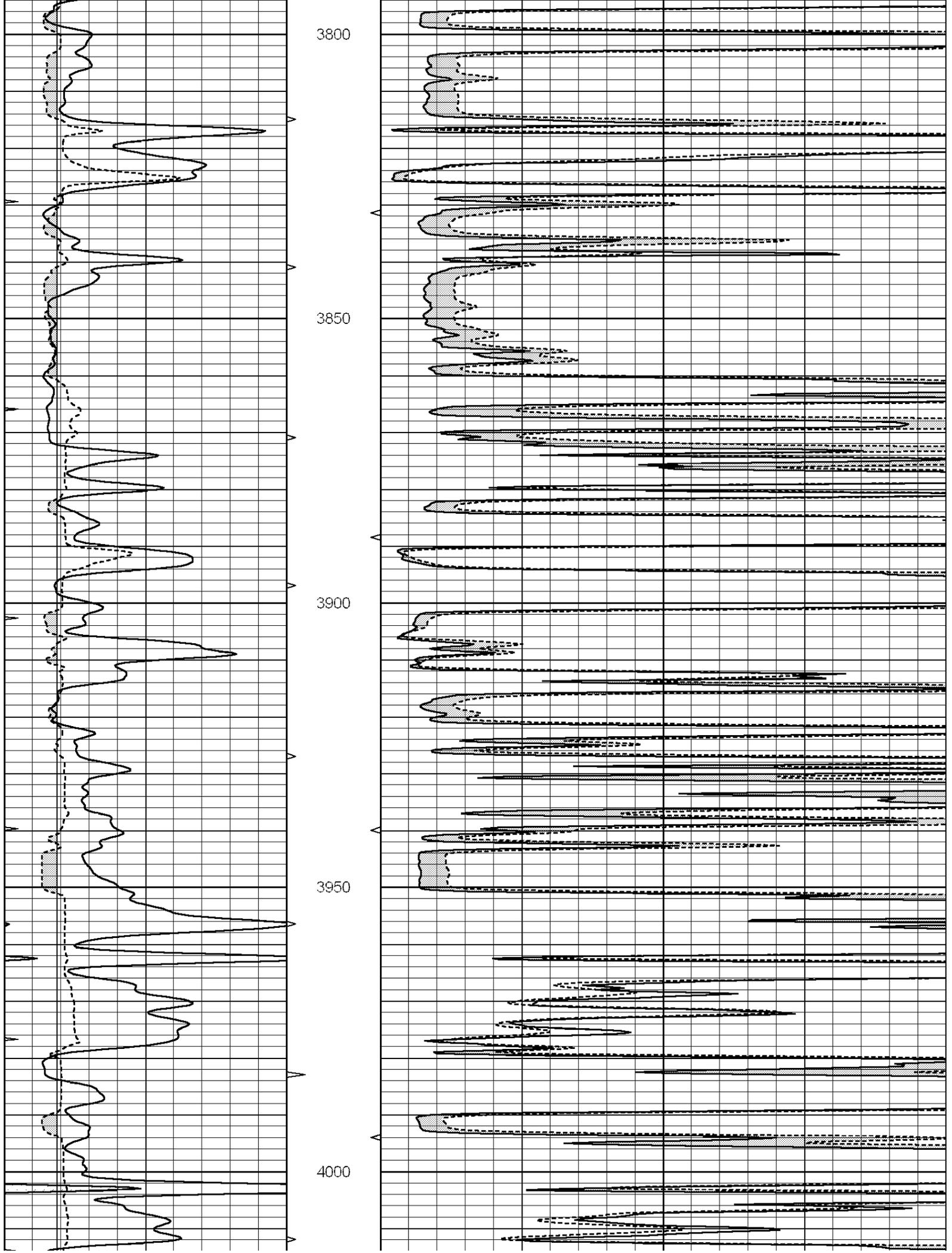
**MAIN SECTION**

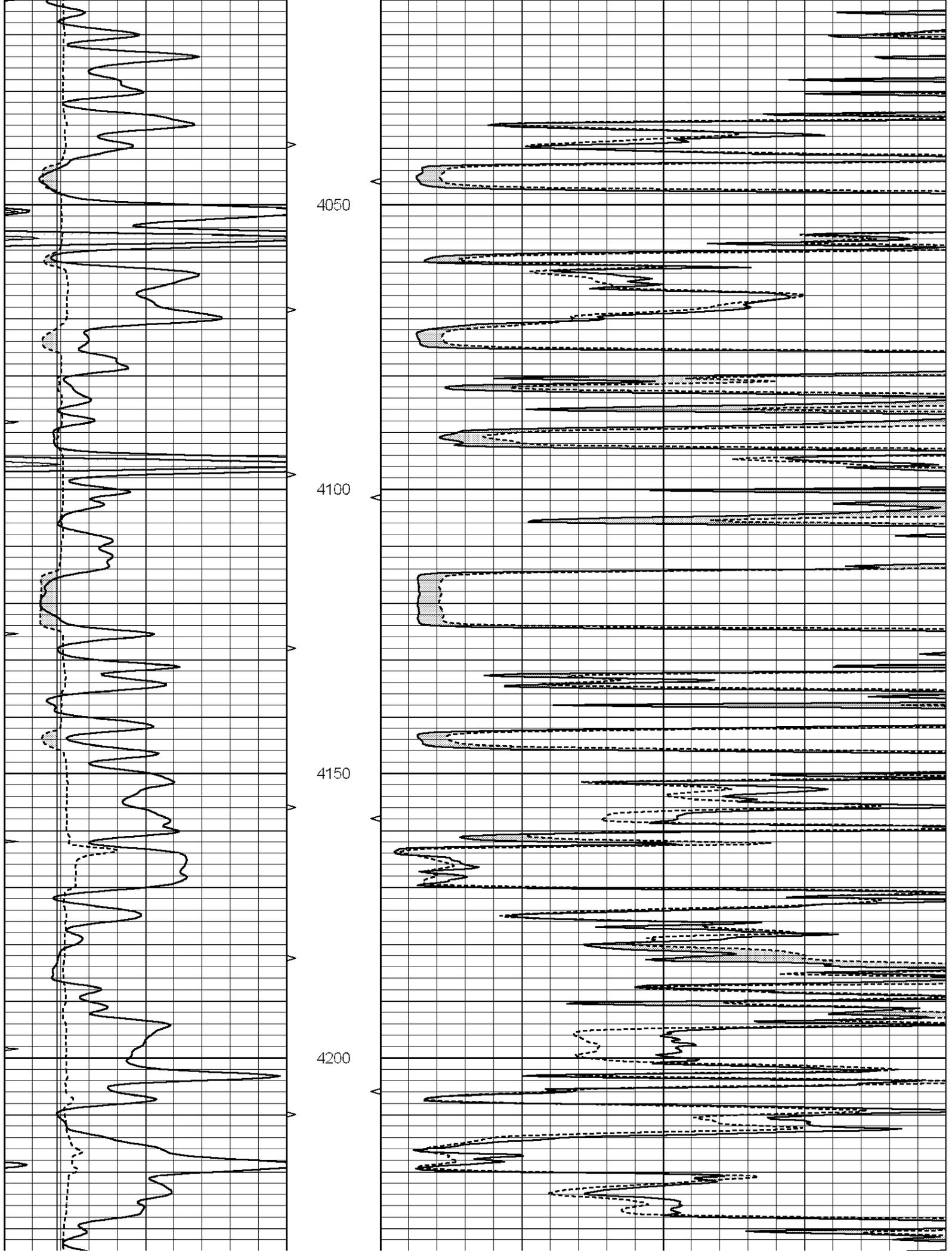
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 Dataset Creation: Tue Dec 08 05:12:09 2015 by Calc SOC 120430  
 Charted by: Depth in Feet scaled 1:240

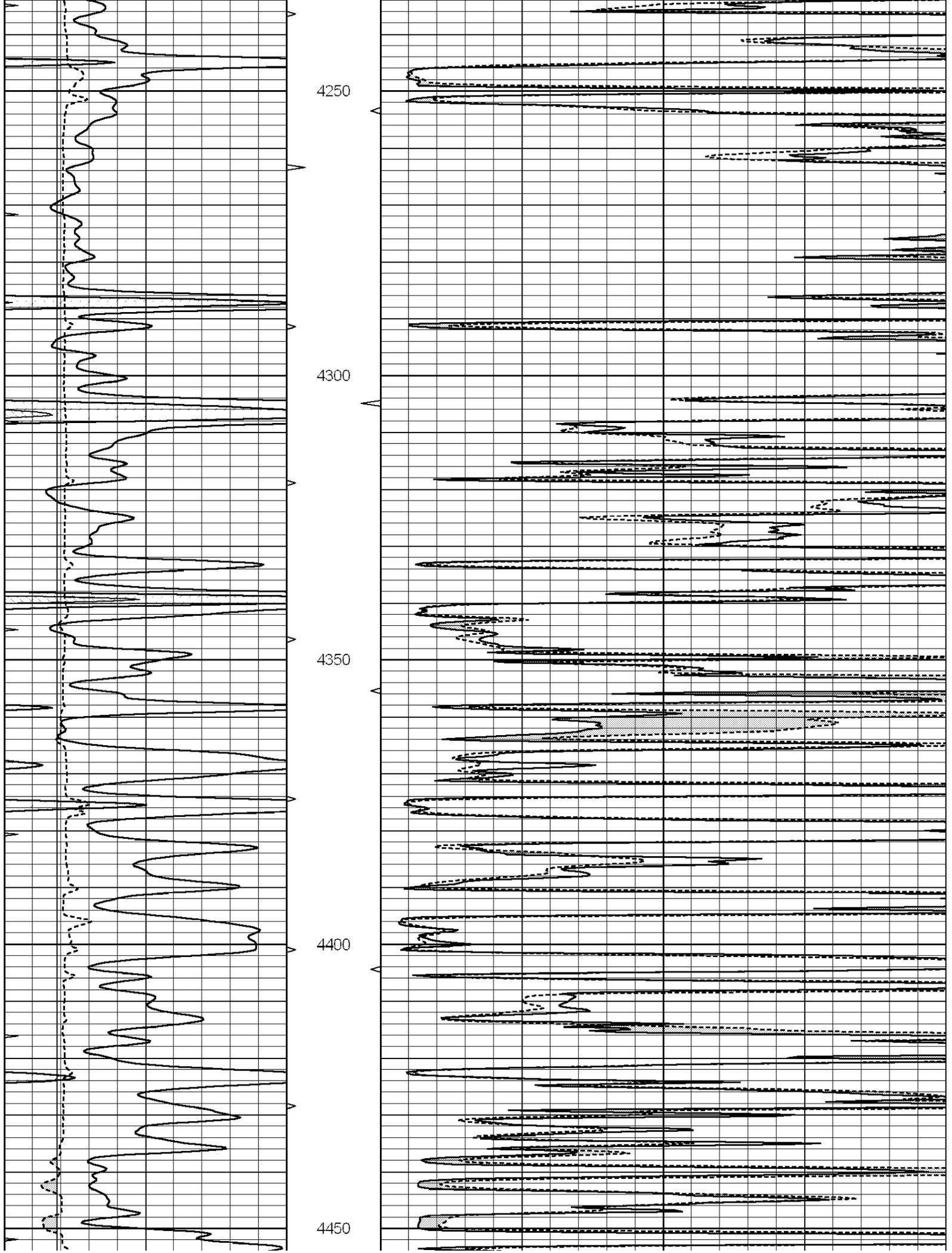
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		











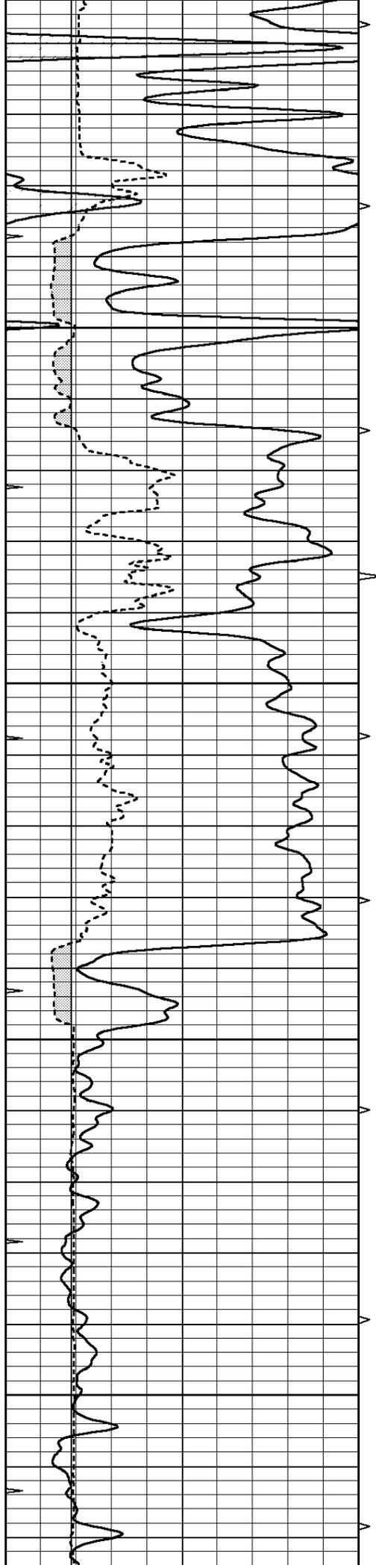
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4300

4350

4400

4450

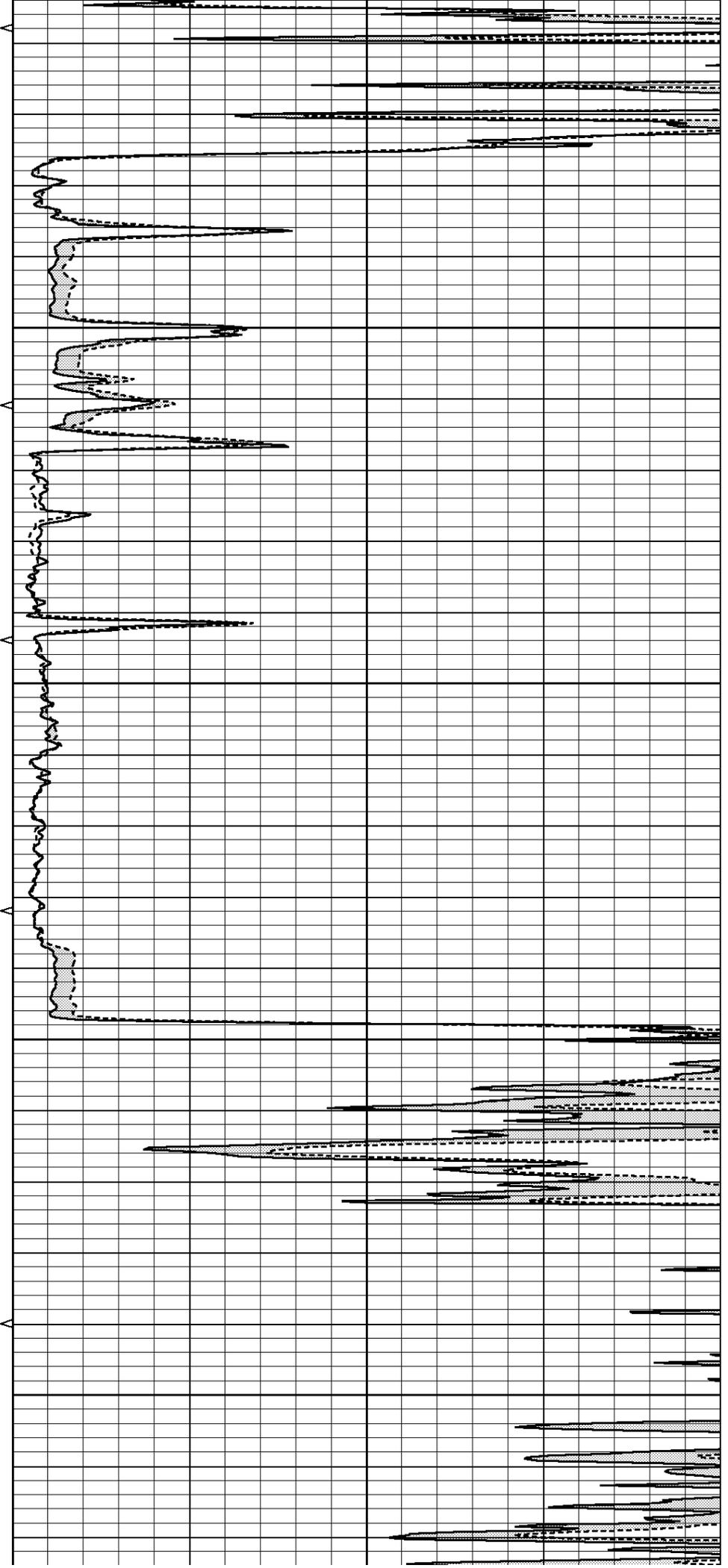


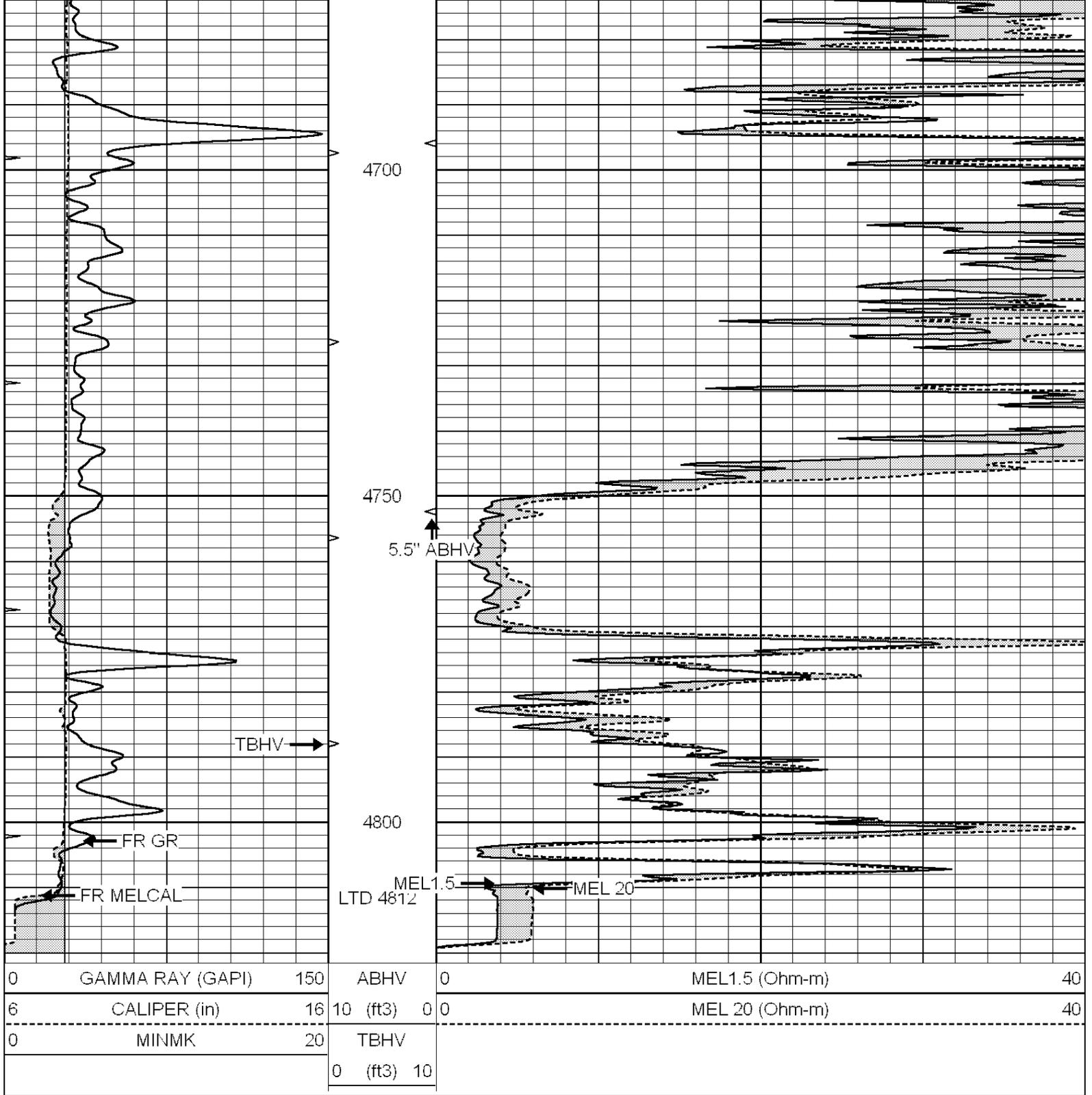
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4600

4650





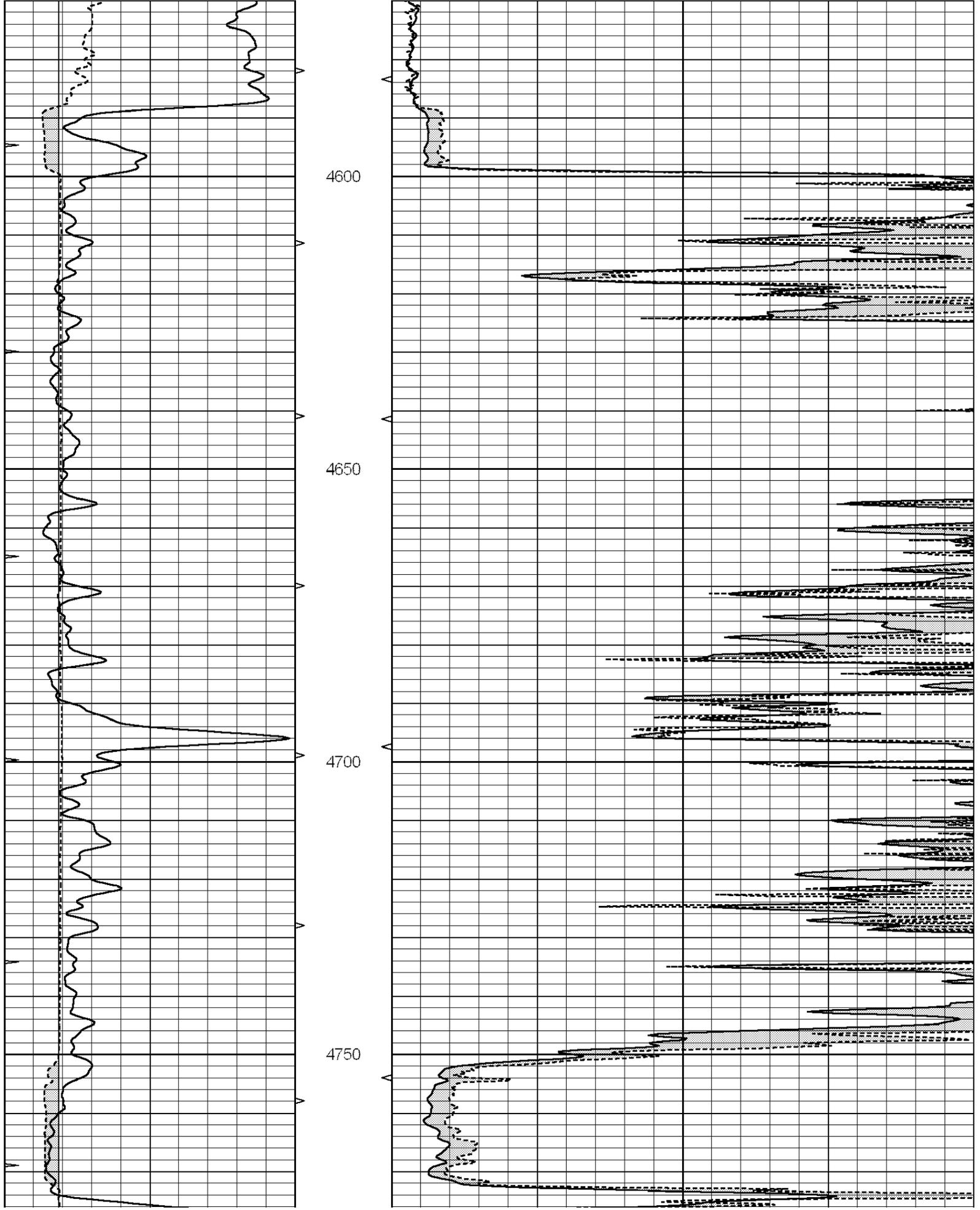
**Casedhole  
Solutions**

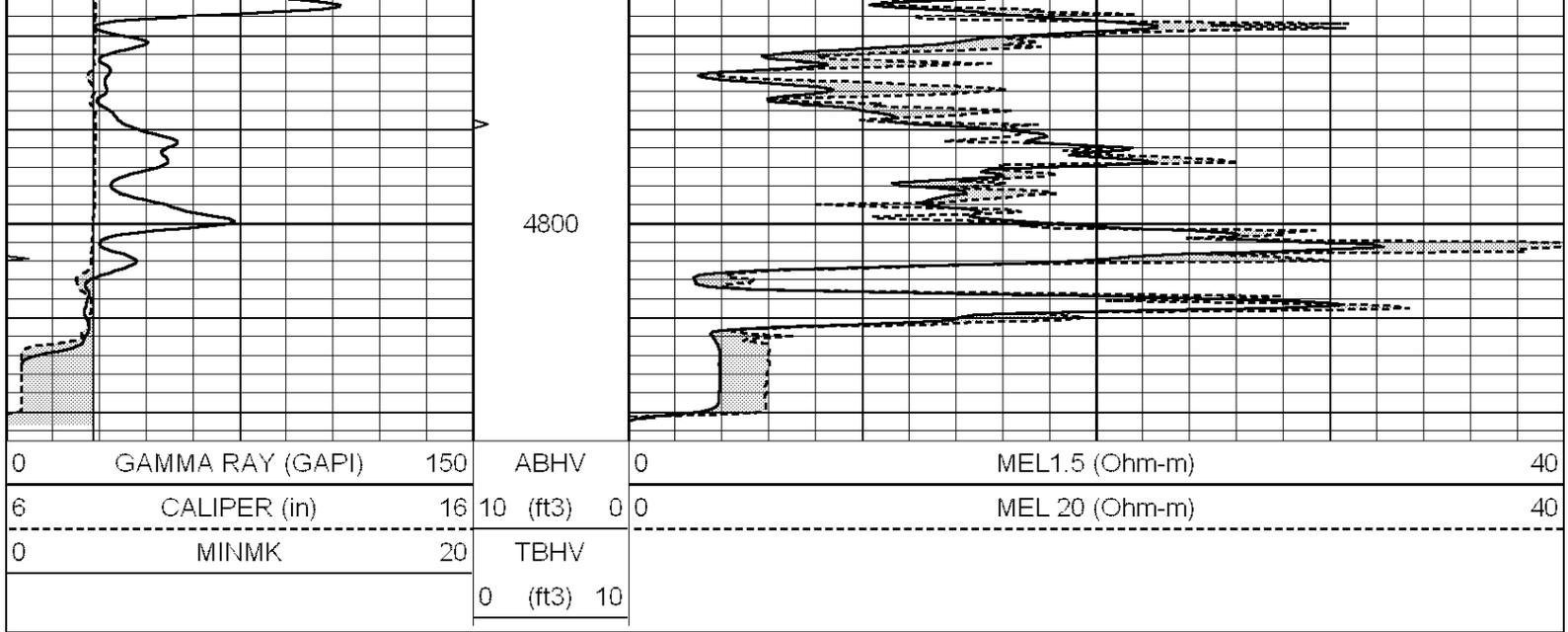
# REPEAT SECTION

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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	MEL20 (Ohm-m)	40

6	CALIPER (in)	10	10	TBHV	MEL 20 (GPH-M)	40
0	MINMK	20	0	(ft3)	10	





### Calibration Report

Database File: 30679ddn.db  
 Dataset Pathname: pass9.2  
 Dataset Creation: Tue Dec 08 05:17:34 2015 by Calc SOC 120430

### MICRO Calibration Report

Serial Number: 070910  
 Tool Model: ProbeN  
 Performed: Fri Jul 31 04:23:24 2015

Caliper Calibration: Gain=4.459      Offset=0.833  
 References      Low Cal      High Cal  
 Readings      7.400      15.000  
                  1.473      3.178

1.5" Calibration: Gain=35.000      Offset=-0.200  
 References      Low Cal      High Cal  
 Readings      0.000      20.000  
                  0.000      1.216

2" Calibration: Gain=42.000      Offset=-0.600  
 References      Low Cal      High Cal  
 Readings      0.000      20.000  
                  0.002      1.053

### 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: 0.2000      GAPI/cps