



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

MICRO LOG

Company	BLACK DIAMOND OIL, INC.		
Well	BELDEN UNIT #1		
Field	HANSEN ESTATE NW		
County	NORTON	State	KANSAS
Location:	API # : 15-137-20682-0000 330' FNL & 2640' FEL C - N/2 - N/2 - N/2 SEC 28 TWP 4S RGE 22W		Other Services CDL/CNL DIL
Permanent Datum	GROUND LEVEL	Elevation	2236
Log Measured From	KELLY BUSHING 5' A.G.L.		
Drilling Measured From	KELLY BUSHING		
Date	2/19/14		
Run Number	TWO		
Depth Driller	3665		
Depth Logger	3668		
Bottom Logged Interval	3666		
Top Log Interval	3000		
Casing Driller	8 5/8" @ 208'		
Casing Logger	208		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 750 PPM	
Density / Viscosity	9.3/52		
pH / Fluid Loss	10.0/6.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	1.50 @ 80F		
Rmf @ Meas. Temp	1.13 @ 80F		
Rmc @ Meas. Temp	1.80 @ 80F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	1.06 @ 113F		
Time Circulation Stopped	3.5 HOURS		
Time Logger on Bottom	12:30 A.M.		
Maximum Recorded Temperature	113F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	HERB DEINES		

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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

EDMOND, KS. 1 1/2E. ON HWY 9 TO "RD. E5", 2 1/2N. TO TANK BATTERY, 1/2W. ON TRAIL, 1/2 N.
THROUGH GATE, TAKE RIGHT FORK N, & W.

Database File:

22255ddn.db

Dataset Pathname:

pass8.2

Presentation Format:

micro

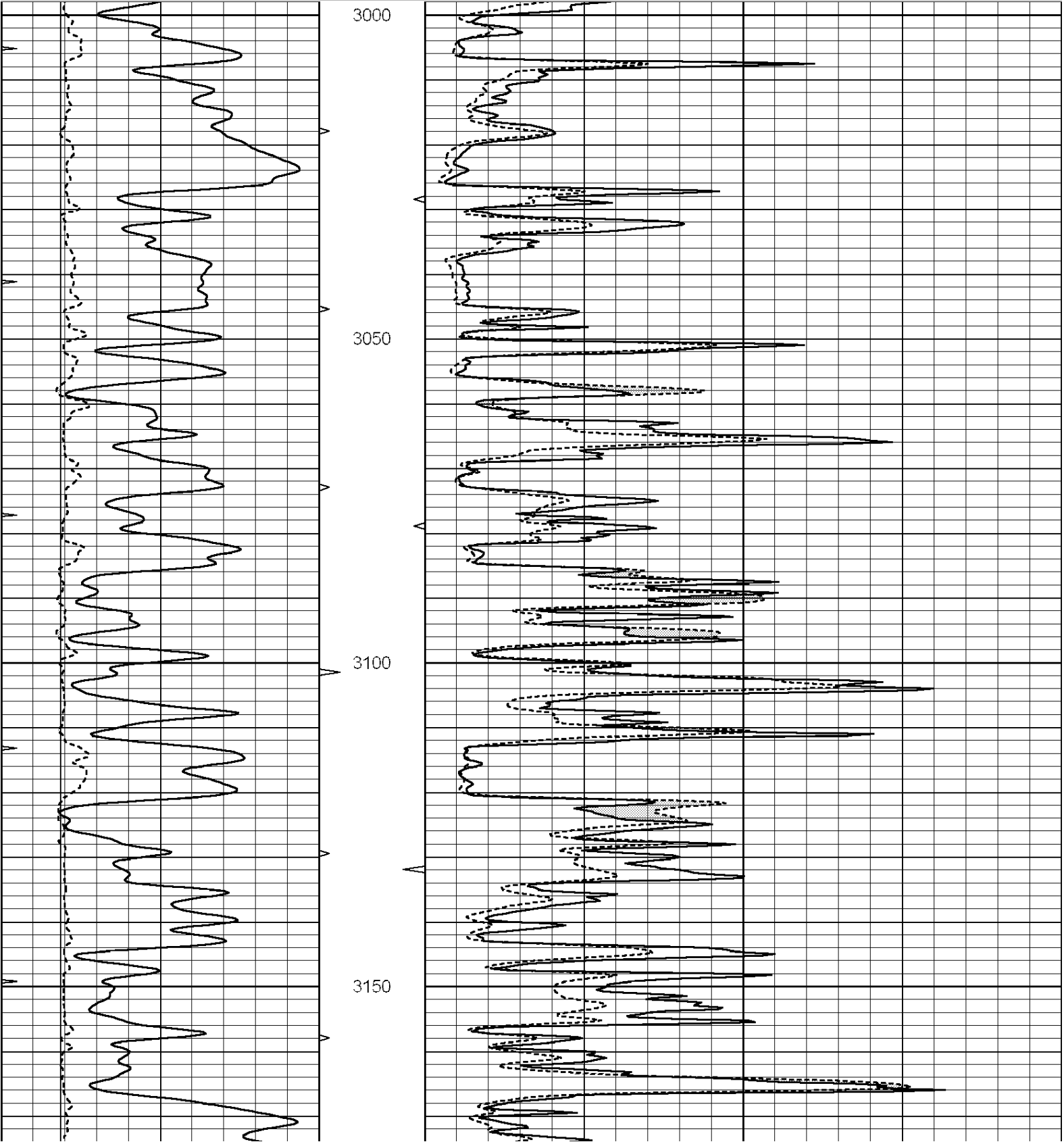
Dataset Creation:

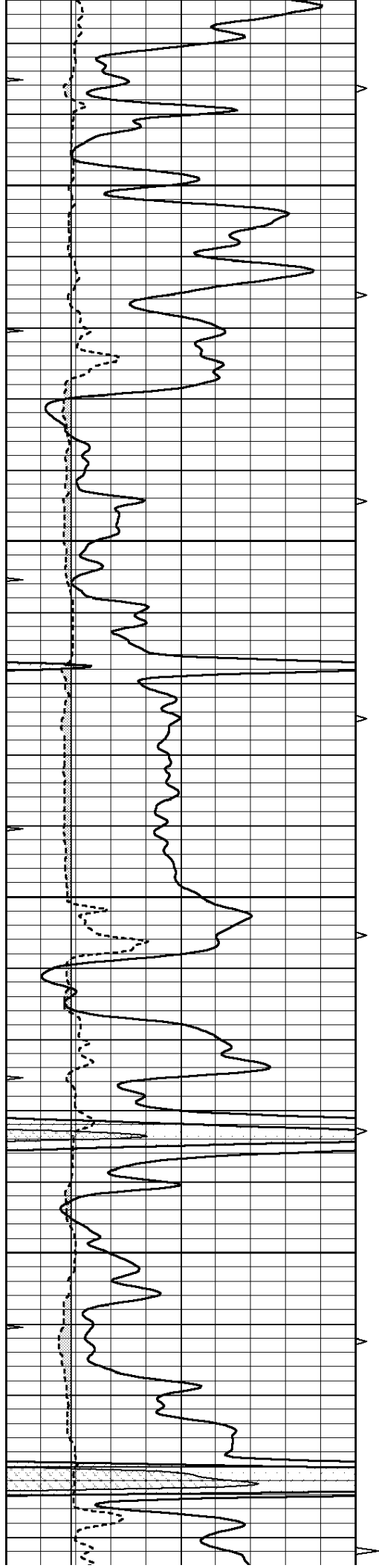
Thu Feb 20 05:23:25 2014 by Calc SOC 120430

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	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		



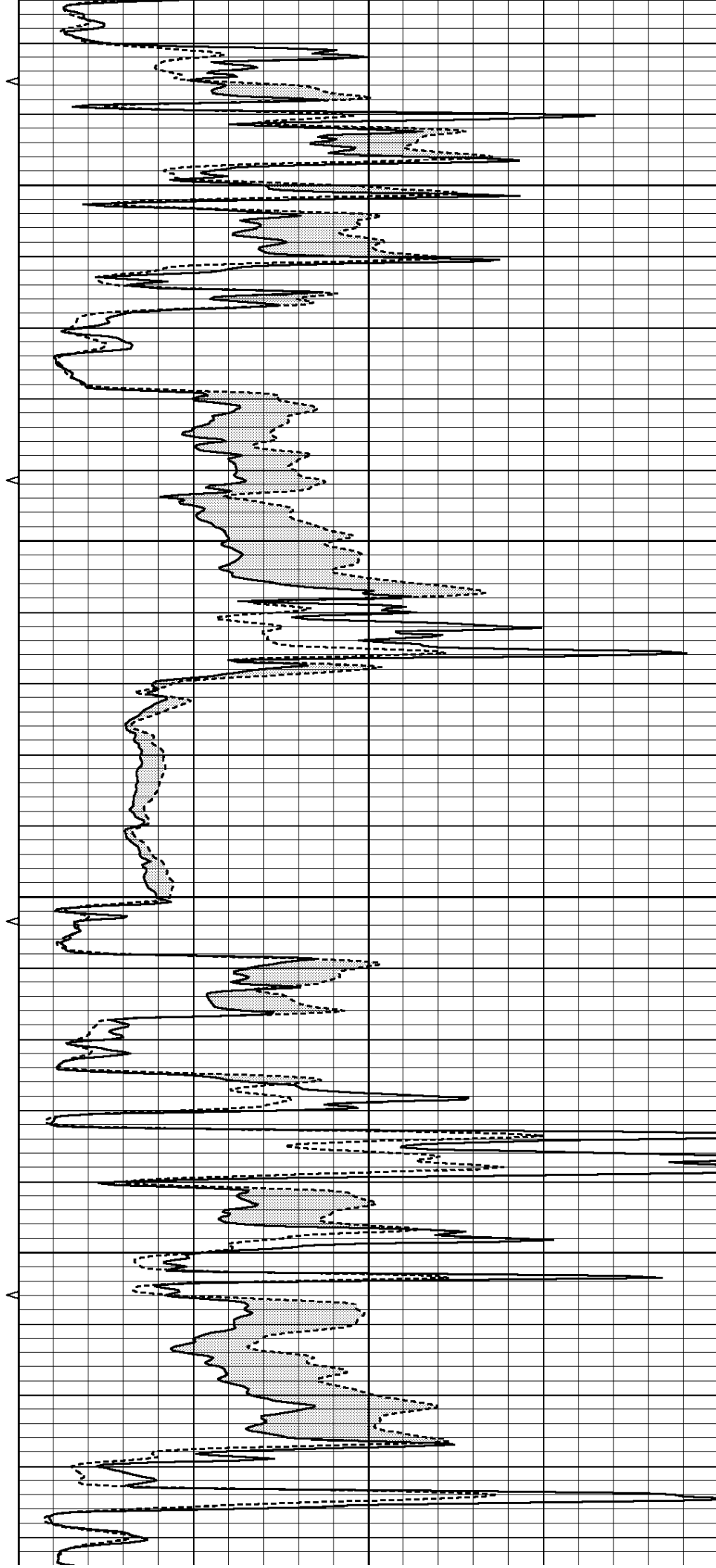


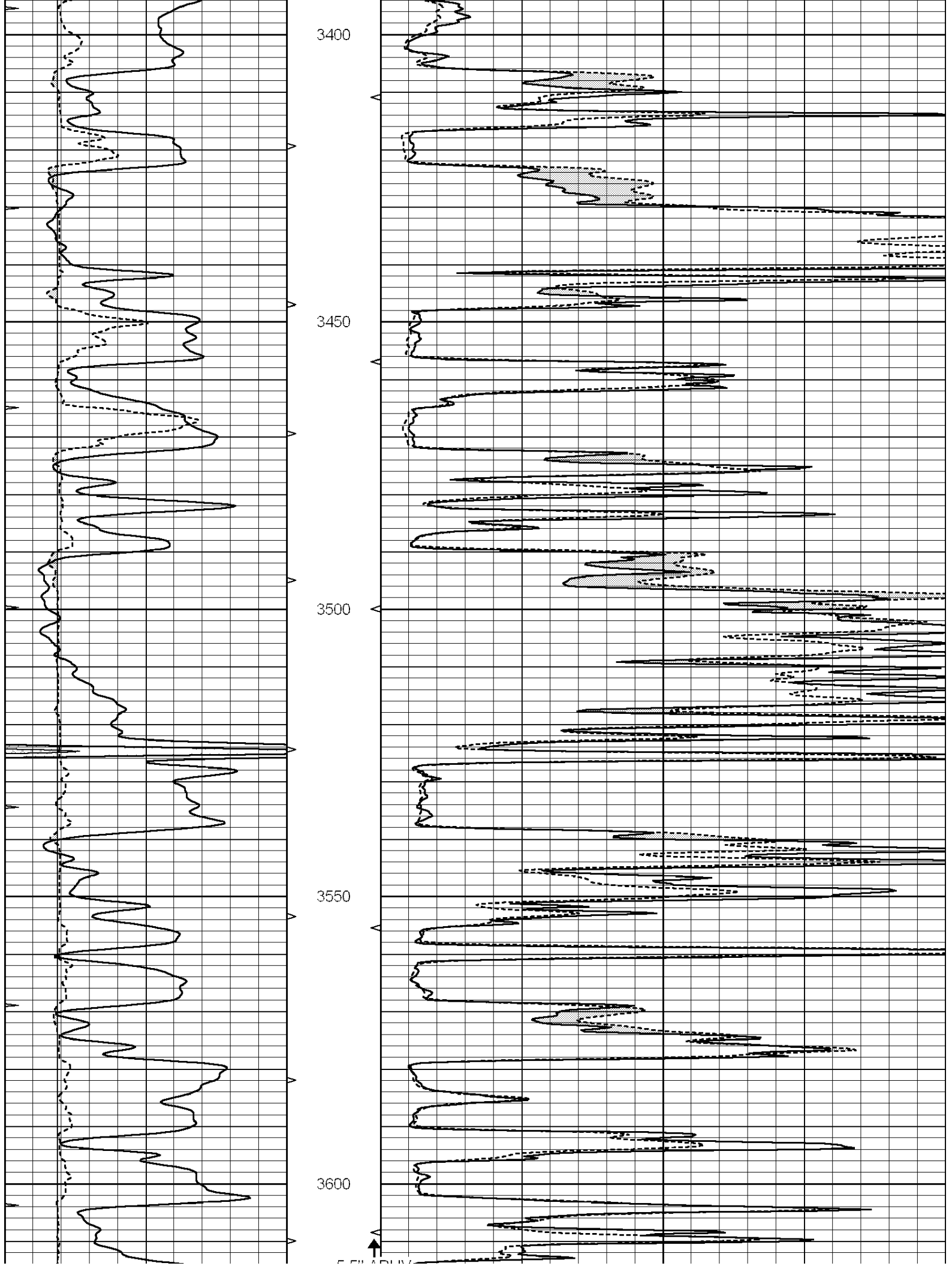
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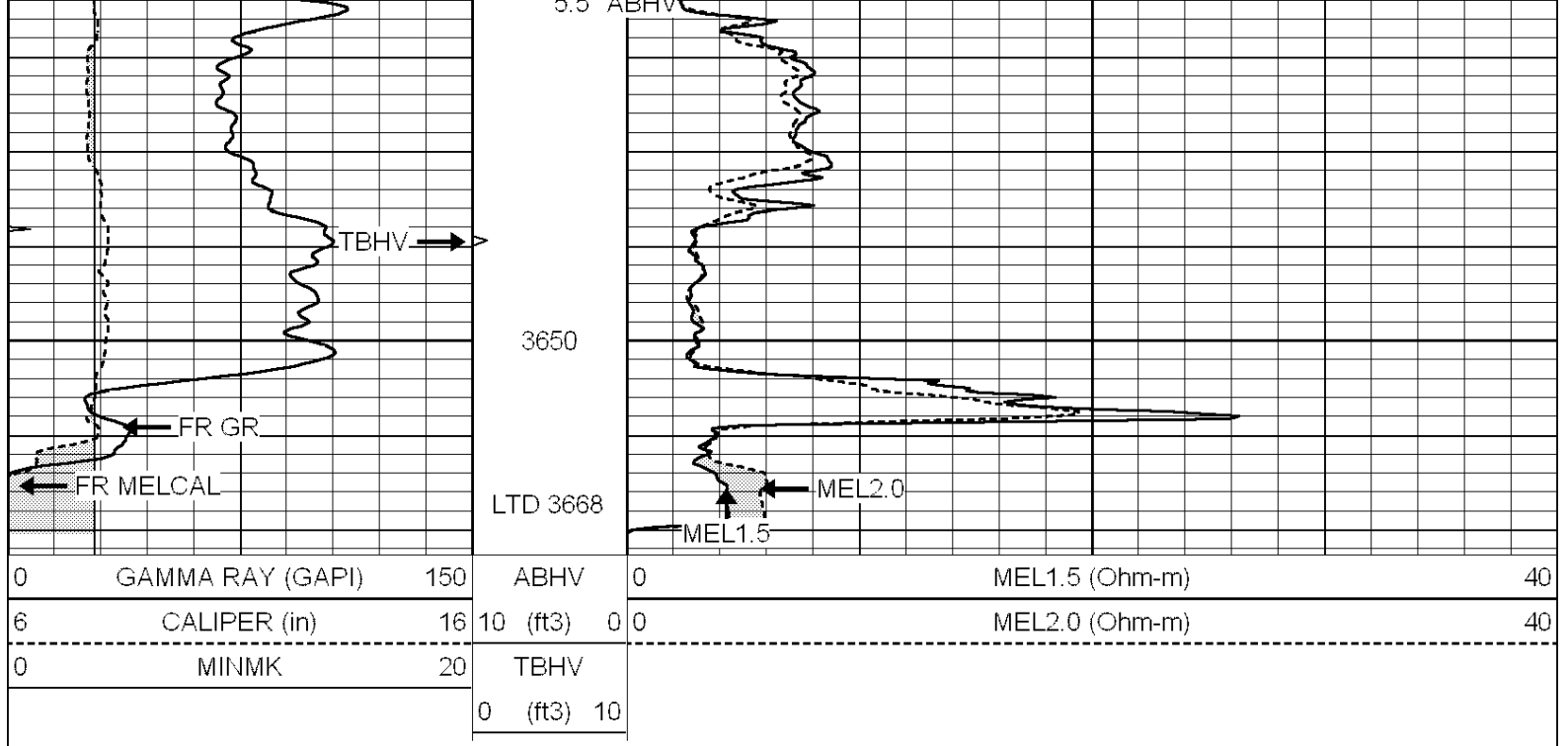
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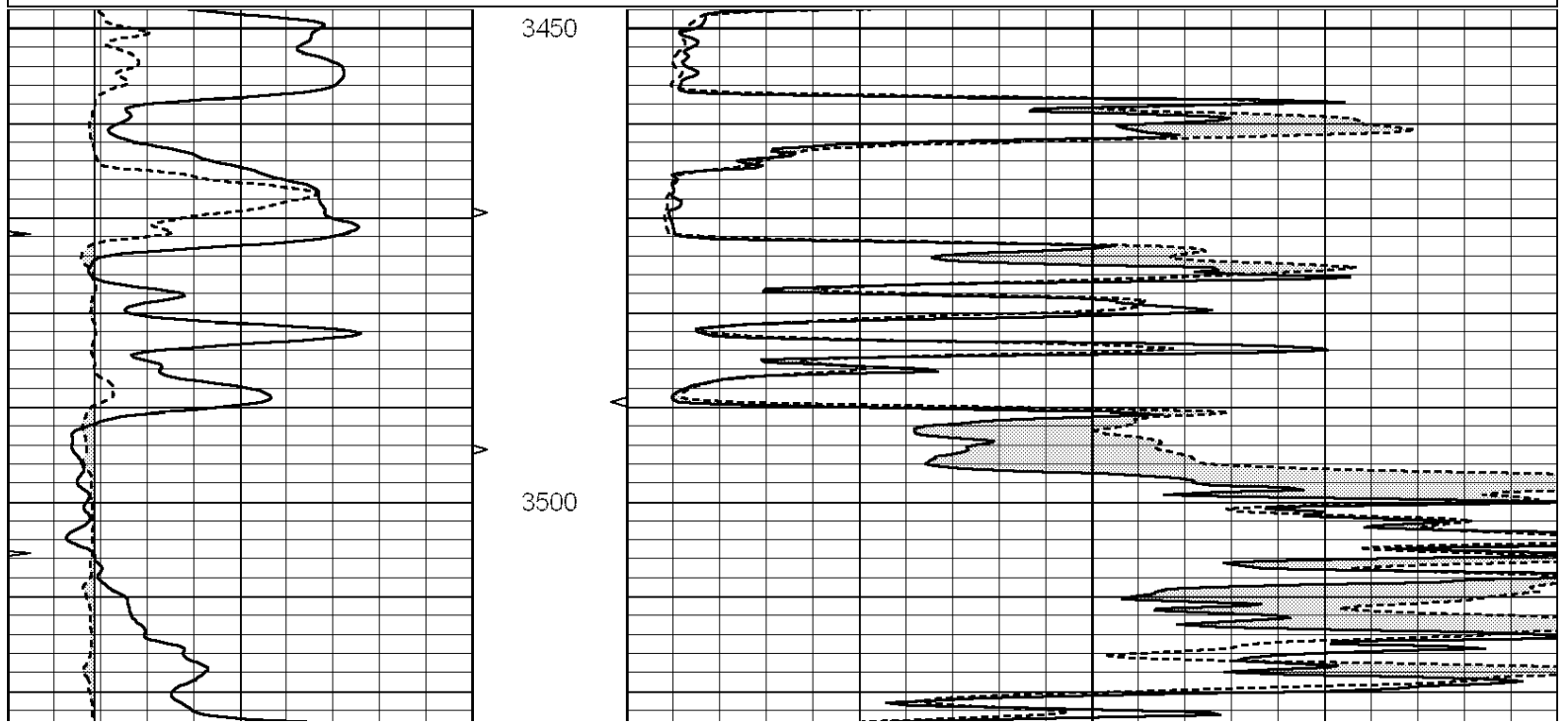


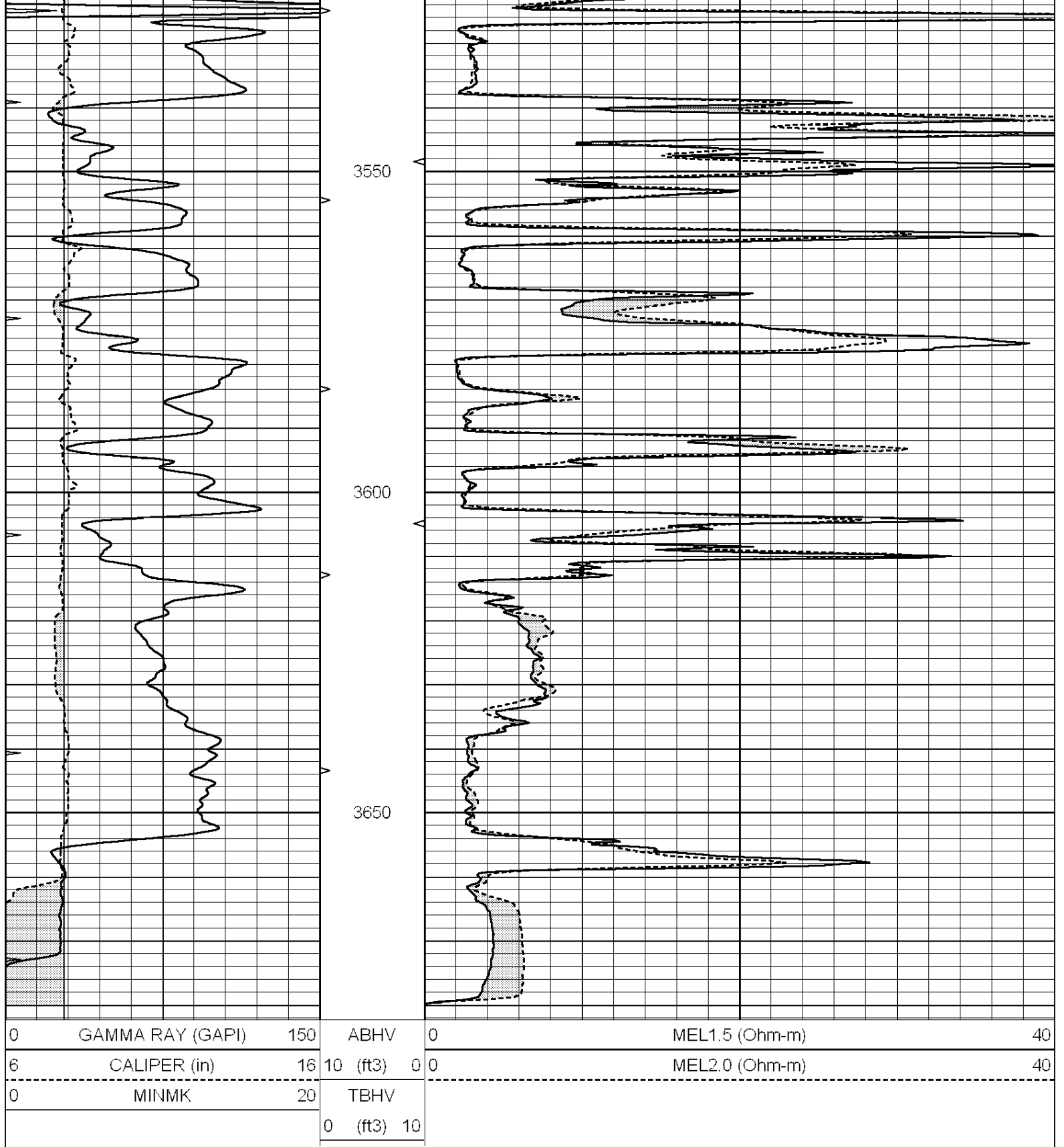
NABORS COMPLETION & PRODUCTION SERVICES CO.

REPEAT SECTION

Database File: 22255ddn.db
 Dataset Pathname: pass7.1
 Presentation Format: micro
 Dataset Creation: Thu Feb 20 04:57:29 2014 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	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		





Calibration Report

Database File: 22255ddn.db
Dataset Pathname: pass8.2
Dataset Creation: Thu Feb 20 05:23:25 2014 by Calc SOC 120430

MICRO Calibration Report

Serial Number: 070911
Tool Model: ProbeN
Performed: Thu Feb 20 02:16:39 2014

Caliper Calibration:	Gain=3.712	Offset=3.043
References	Low Cal 7.800	High Cal 15.000
Readings	1.281	3.221
1.5" Calibration:	Gain=28.000	Offset=0.000
References	Low Cal 0.000	High Cal 20.000
Readings	0.001	1.276
2" Calibration:	Gain=45.000	Offset=-0.700
References	Low Cal 0.000	High Cal 20.000
Readings	0.003	1.108
Gamma Ray Calibration Report		
Serial Number:	070559	
Tool Model:	OPEN_GR	
Performed:	Thu Feb 20 02:16:36 2014	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2800	GAPI/cps