



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

MICRO LOG

Company	GRADY BOLDING CORPORATION		
Well	GRIZZELL #27		
Field	BLOOMER		
County	ELLSWORTH	State	KANSAS
Location:	API # : 15-053-21308-0000		Other Services CDL/CNL DIL
1996' FNL & 1131' FEL NW - SW - SE -NE			
Permanent Datum	SEC 31	TWP 17S	RGE 10W
Log Measured From	GROUND LEVEL Elevation 1788		
Drilling Measured From	KELLY BUSHING 10' A.G.L. KELLY BUSHING		
Date	4/2/14		
Run Number	TWO		
Depth Driller	3312		
Depth Logger	3312		
Bottom Logged Interval	3310		
Top Log Interval	2700		
Casing Driller	8 5/8" @ 312		
Casing Logger	311		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5700 PPM	
Density / Viscosity	9.3/5.1		
pH / Fluid Loss	9.5/7.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.75 @ 72F		
Rmt @ Meas. Temp	.56 @ 72F		
Rmc @ Meas. Temp	.90 @ 72F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.53 @ 102F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	102F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	WYATT URBAN		

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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, KS. (785) 628-6395
DIRECTIONS:
CLAFLIN, KS. - 4 EAST TO 160 RD - 3/4 NORTH - 1/2 EAST INTO



NABORS
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MAIN SECTION

Database File:

24018ddn.db

Dataset Pathname:

pass6.1

Presentation Format:

_micro

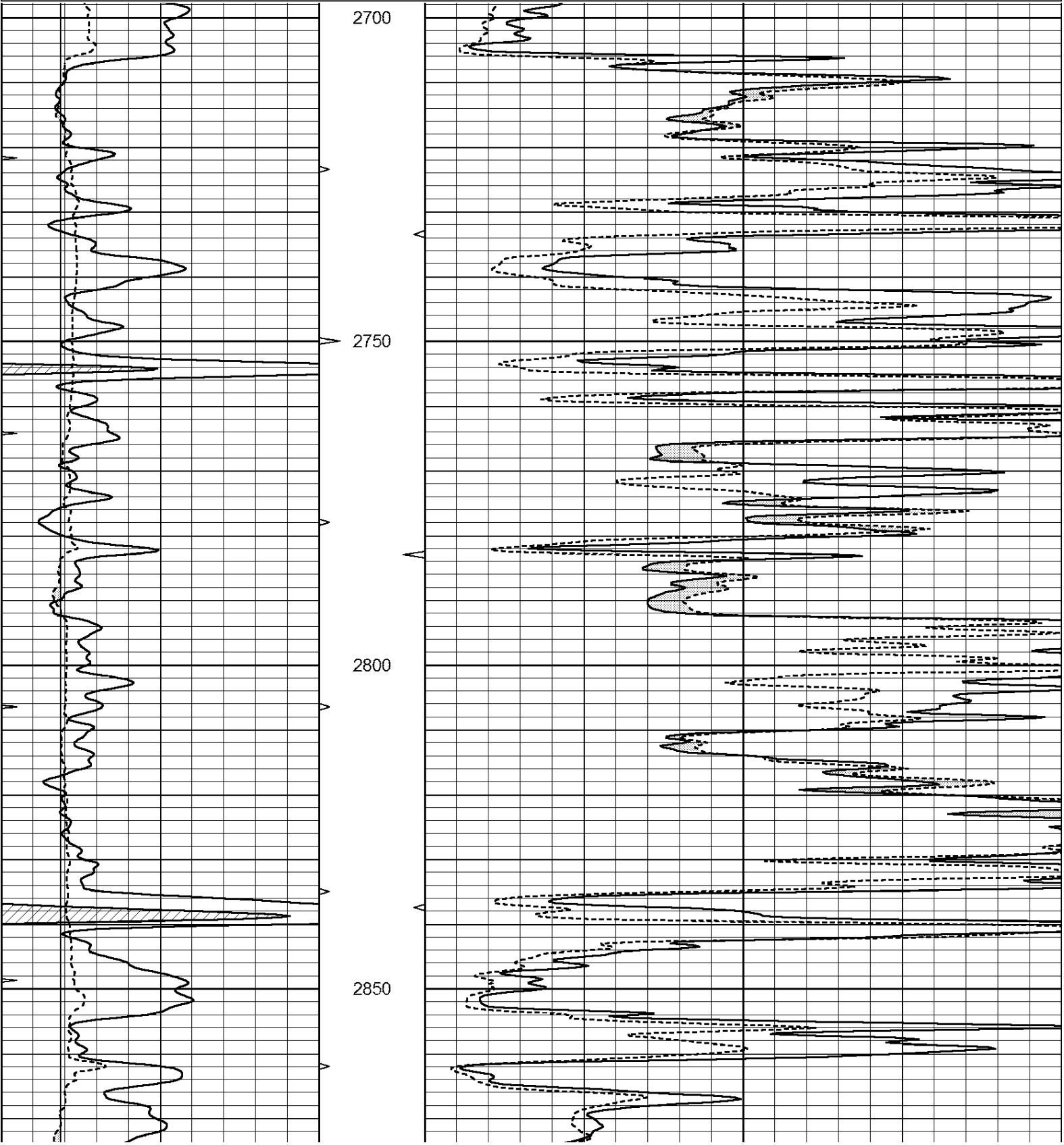
Dataset Creation:

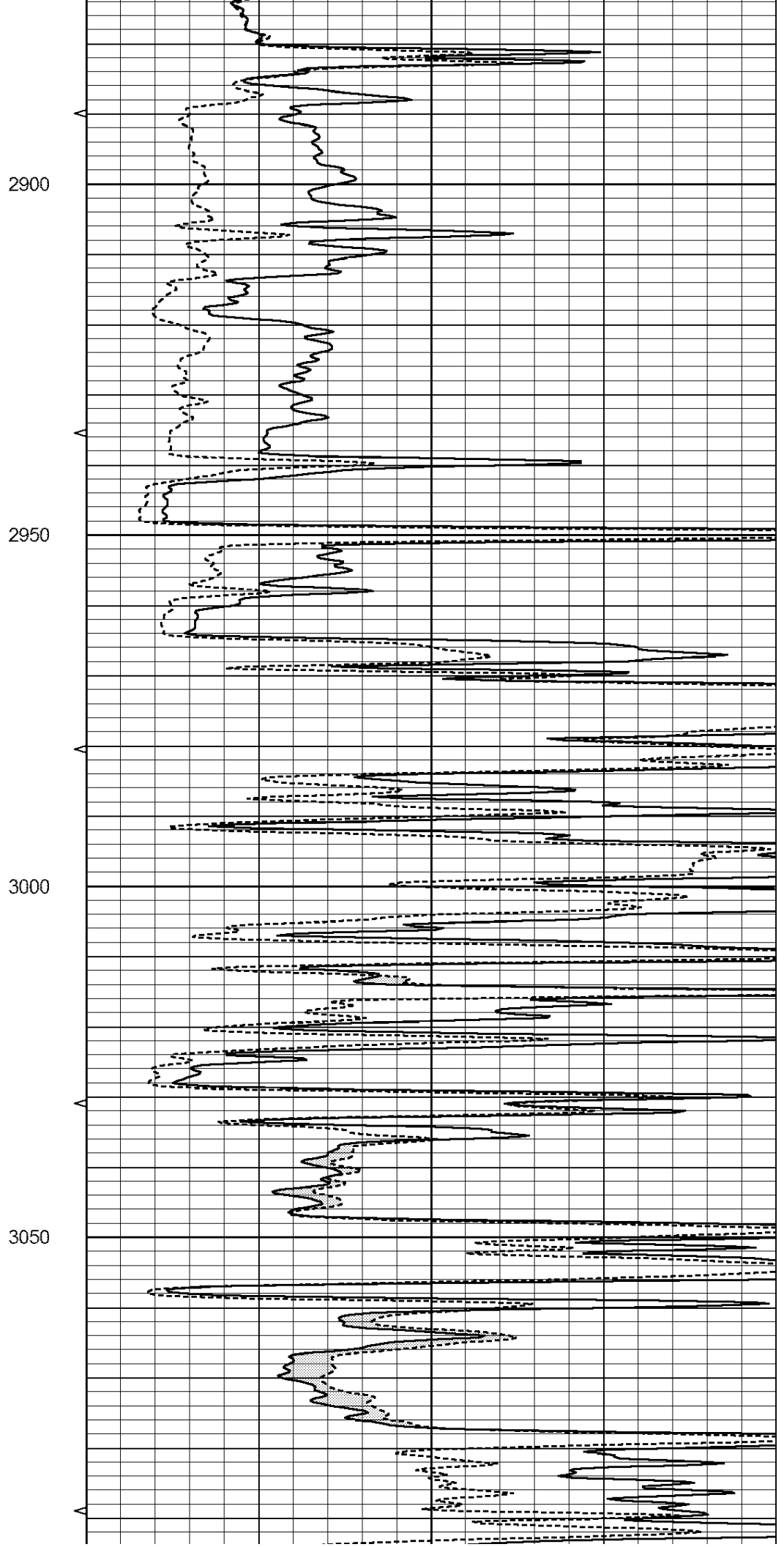
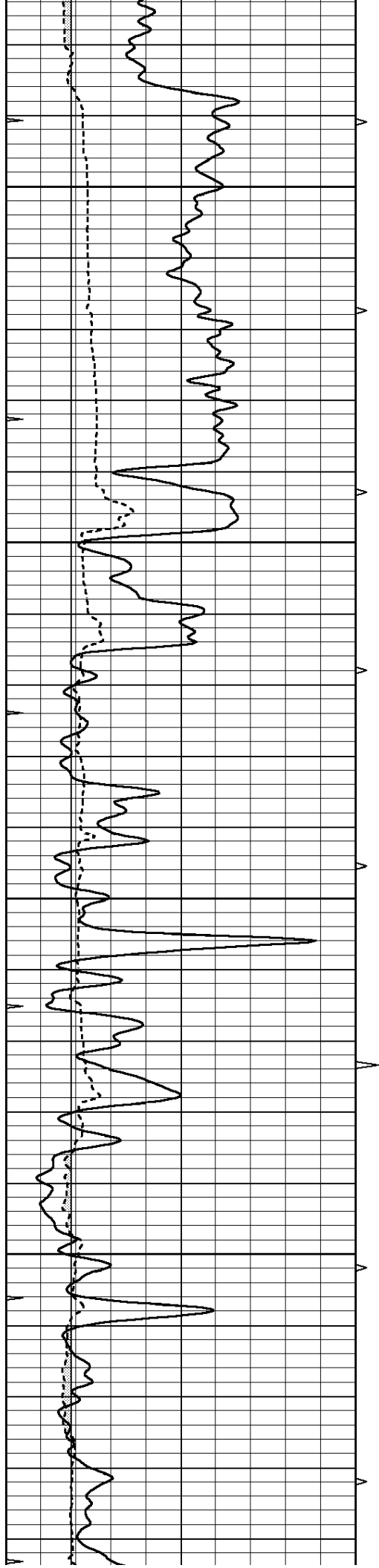
Thu Apr 03 01:27:18 2014 by Calc Open-Cased 090629

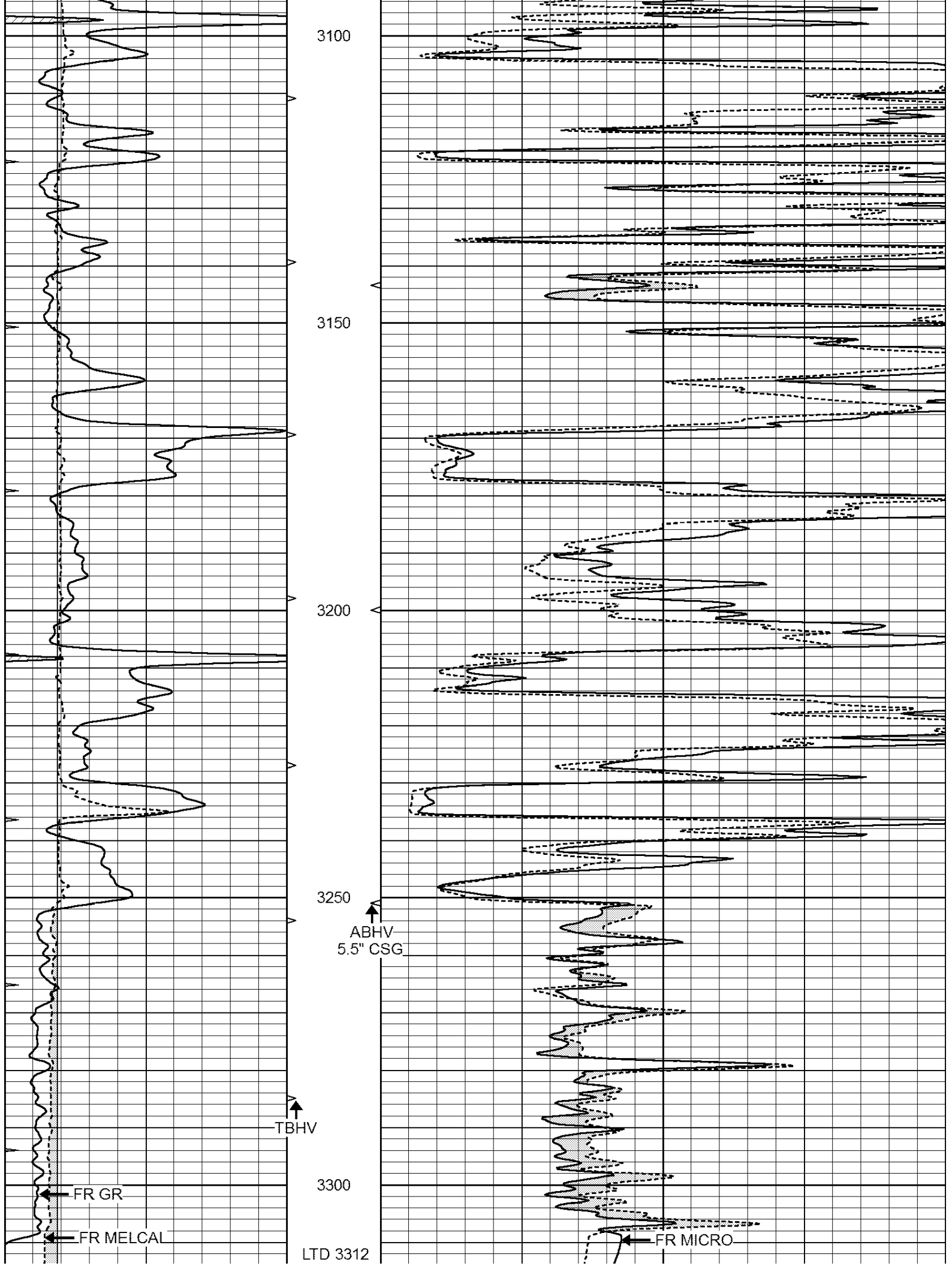
Charted by:

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		







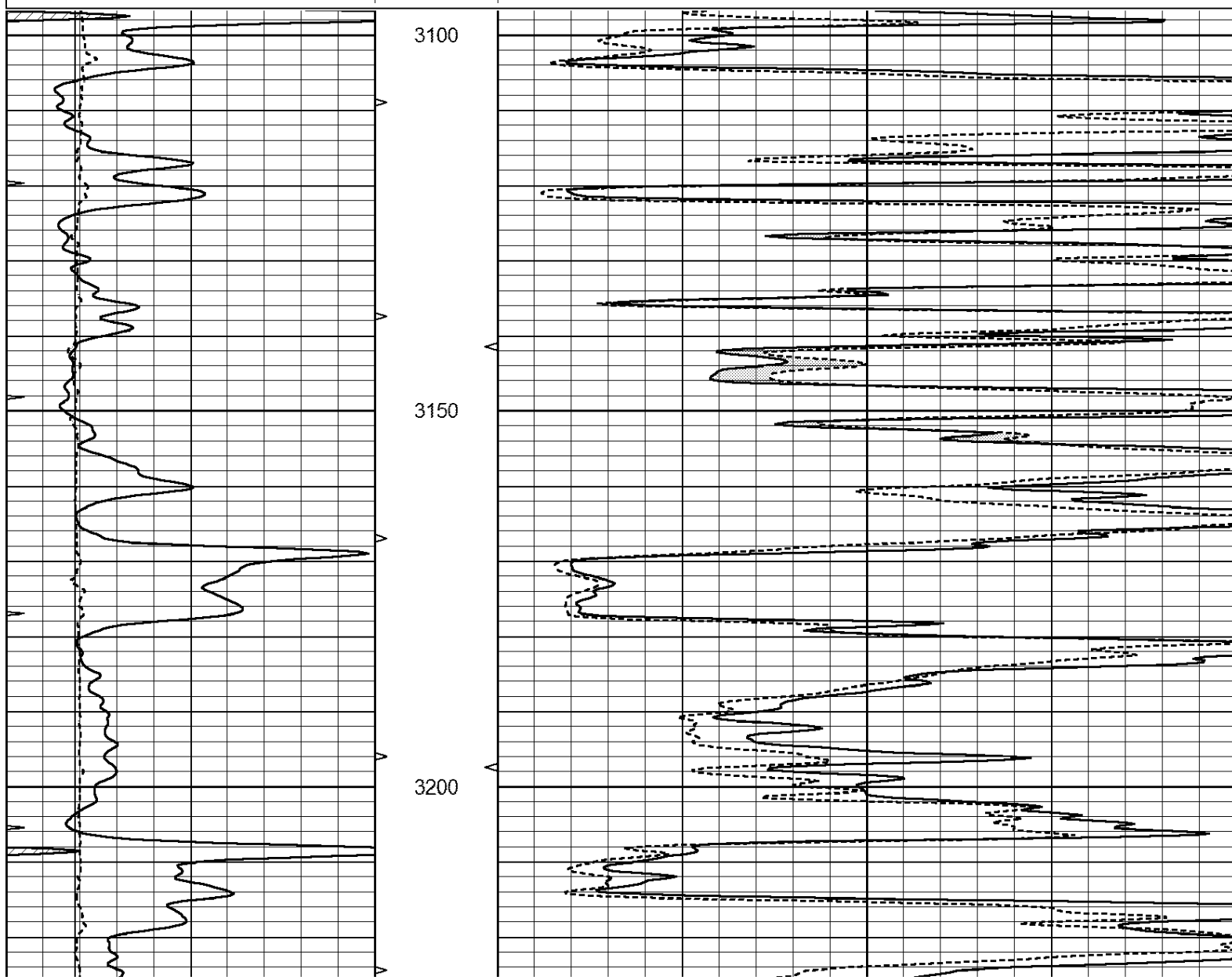
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		

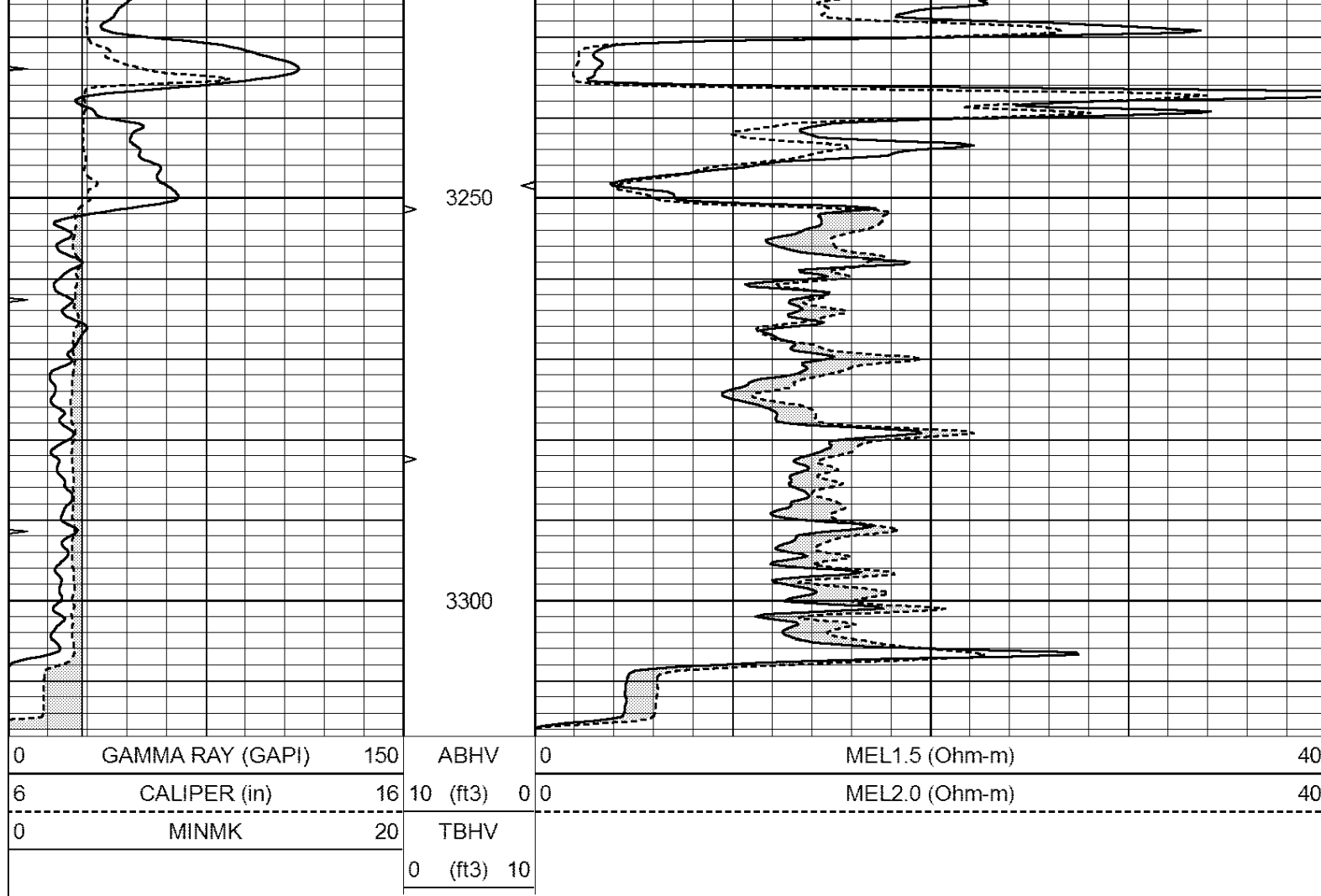


REPEAT SECTION

Database File: 24018ddn.db
 Dataset Pathname: pass5.1
 Presentation Format: _micro
 Dataset Creation: Thu Apr 03 01:20:29 2014 by Calc Open-Cased 090629
 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		





Calibration Report

Database File: 24018ddn.db
 Dataset Pathname: pass6.1
 Dataset Creation: Thu Apr 03 01:27:18 2014 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO6
 Tool Model: PROBE
 Performed: Fri Mar 14 21:54:54 2014

Caliper Calibration: Gain=5.542 Offset=-0.920
 References Low Cal High Cal
 Readings 8.000 14.000
 1.431 2.513

1.5" Calibration: Gain=38.075 Offset=0.000
 References Low Cal High Cal
 Readings 0.000 20.000
 0.004 1.196

2" Calibration: Gain=44.000 Offset=-0.600
 References Low Cal High Cal
 Readings 0.000 20.000
 0.006 0.913

Gamma Ray Calibration Report

Serial Number: GR6

Tool Model:	OPEN
Performed:	Fri Nov 29 08:34:37 2013

Calibrator Value:	150.0	GAPI
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Background Reading:	0.0	cps
Calibrator Reading:	276.0	cps

Sensitivity:	0.6035	GAPI/cps
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