SUPERIOR WELL SERVICES

SUPERIOR
Hays,
Kansas

MICRO LOG

Company PIONEER RESOURCES
Well FOUNDATION #1
Field LAZY OK SOUTH
County PHILLIPS State KANSAS

Location: API # : 15-147-20672

990' FNL & 440' FEL

SEC 3 TWP 5S RGE 18W

Other Services
CDL/CNL
DIL/SONIC

Elevation
K.B. 1913
D.F.
G.L. 1905

Permanent Datum GROUND LEVEL Elevation 1905
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING

Company PIONEER RESOURCES
Well FOUNDATION #1
Field LAZY OK SOUTH
County PHILLIPS
State KANSAS

Date	4-30-12		
Run Number	TWO		
Depth Driller	3400		
Depth Logger	3400		
Bottom Logged Interval	3383		
Top Log Interval	2700		
Casing Driller	221		
Casing Logger	221		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	8.9 / 47		
pH / Fluid Loss	10.5 / 6.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.95 @ 81F		
Rmf @ Meas. Temp	0.71 @ 81F		
Rmc @ Meas. Temp	1.14 @ 81F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.710 @ 109F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	12:30 A.M.		
Maximum Recorded Temperature	109F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	CLIFF OTTAWAY		

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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

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: GLADE, 1W, 2S, W INTO.

MAIN SECTION

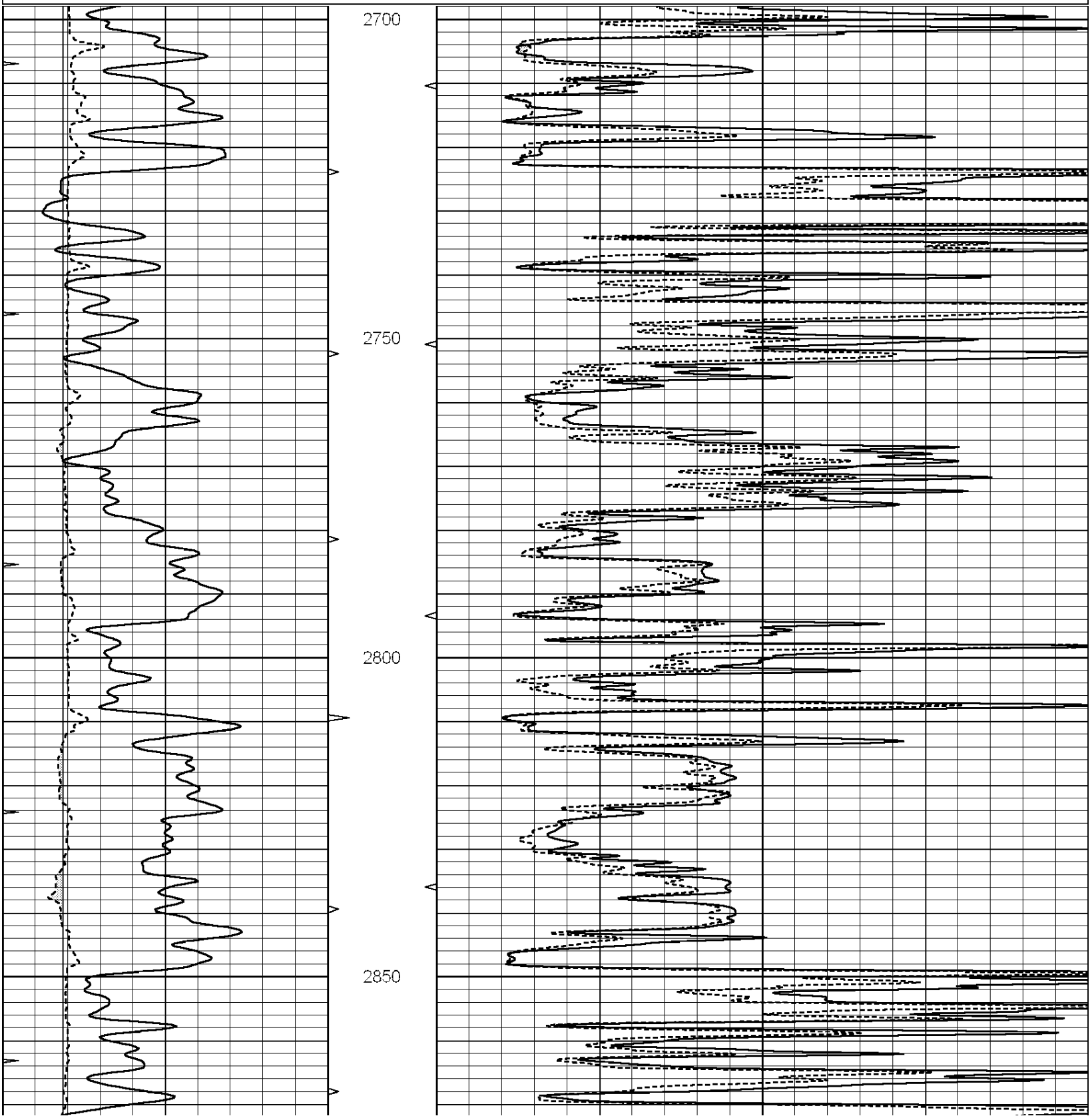
SUPERIOR
Hays,

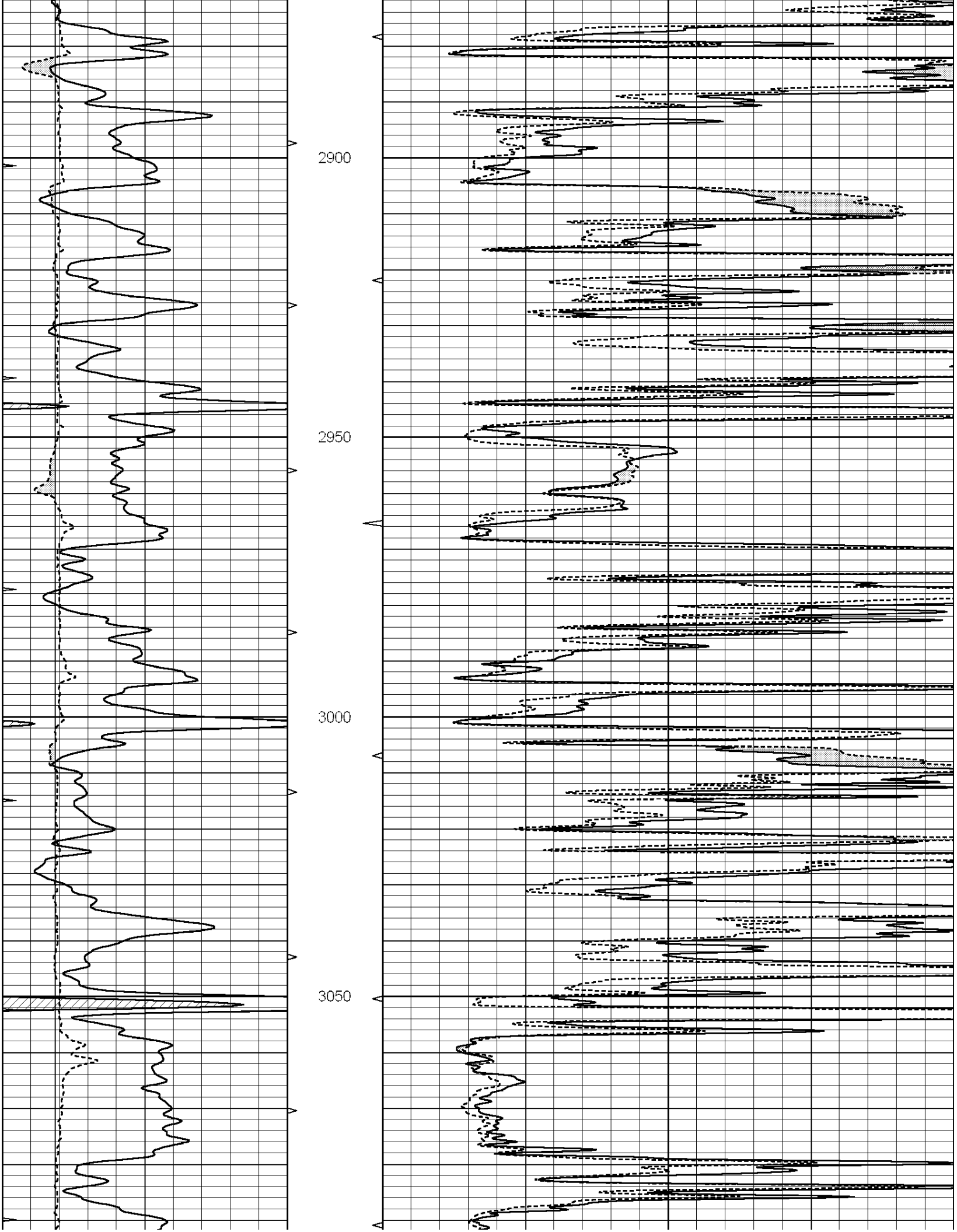
Kansas

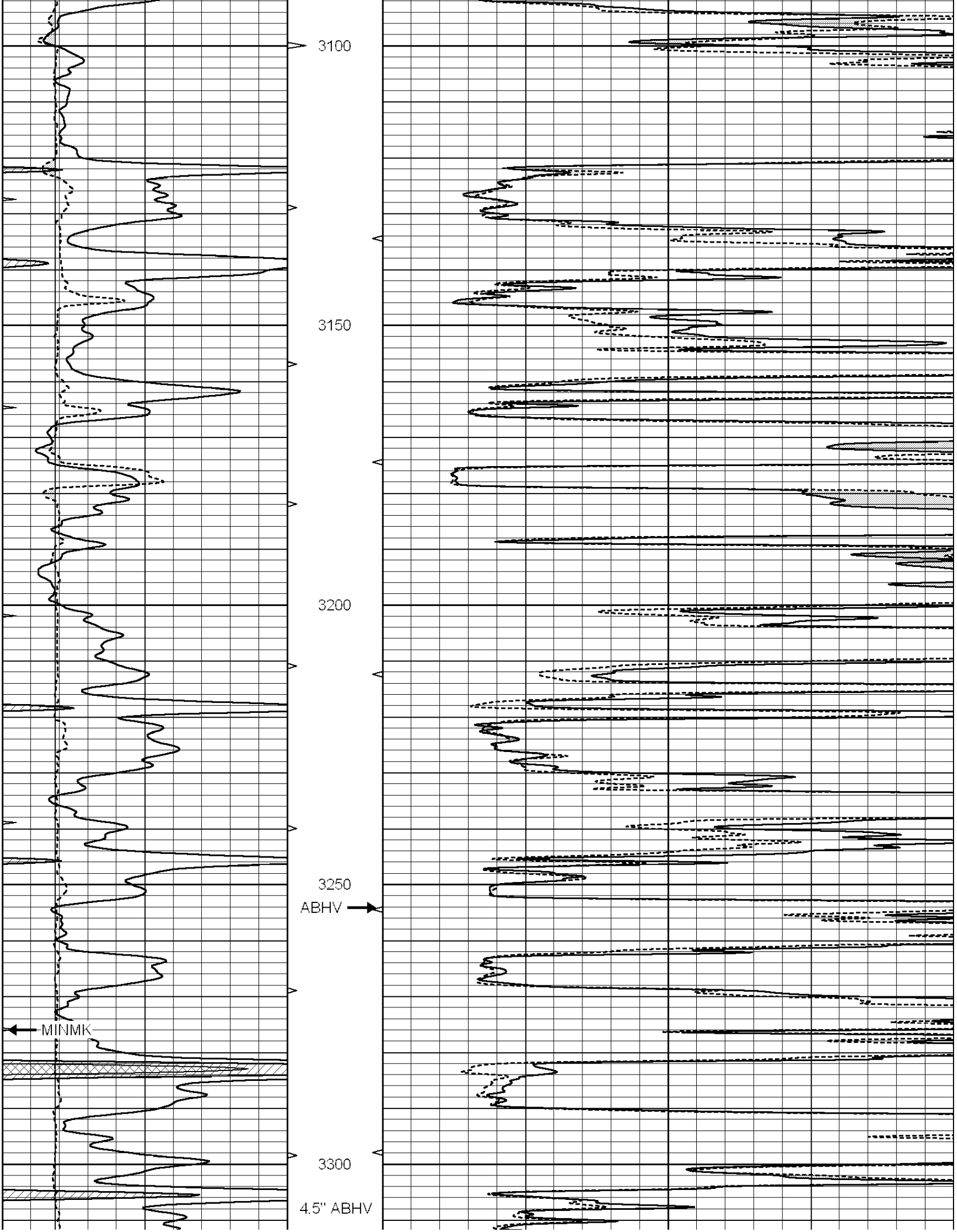
Database File:	009109ddn.db
Dataset Pathname:	pass6.1A
Presentation Format:	micro
Dataset Creation:	Tue May 01 03:55:02 2012
Charted by:	Depth in Feet scaled 1:240

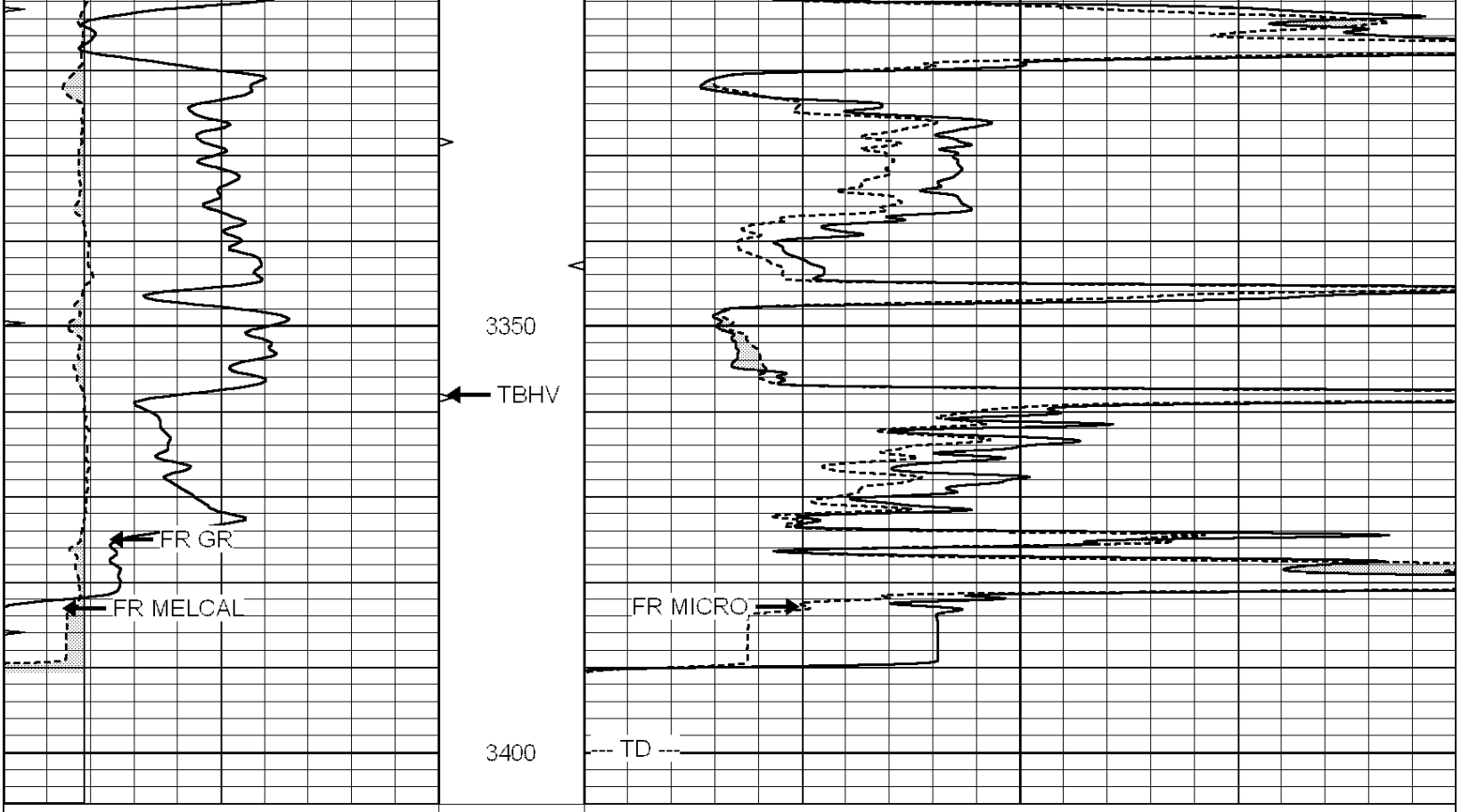
0	GAMMA RAY (GAPI)	150
6	MELCAL (in)	16
0	MINMK	20

0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40




2900
2950
3000
3050


3100
3150
3200
3250
ABHV
MINMK
3300
4.5" ABHV



0	GAMMA RAY (GAPI)	150
6	MELCAL (in)	16
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0	MEL1.5 (Ohm-m)	40
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SUPERIOR
Hays,
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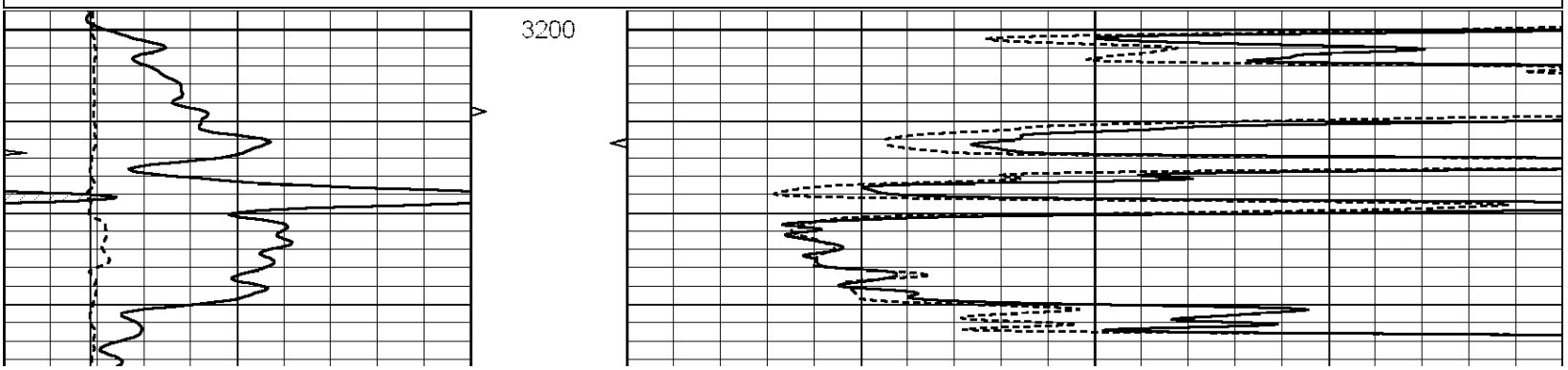
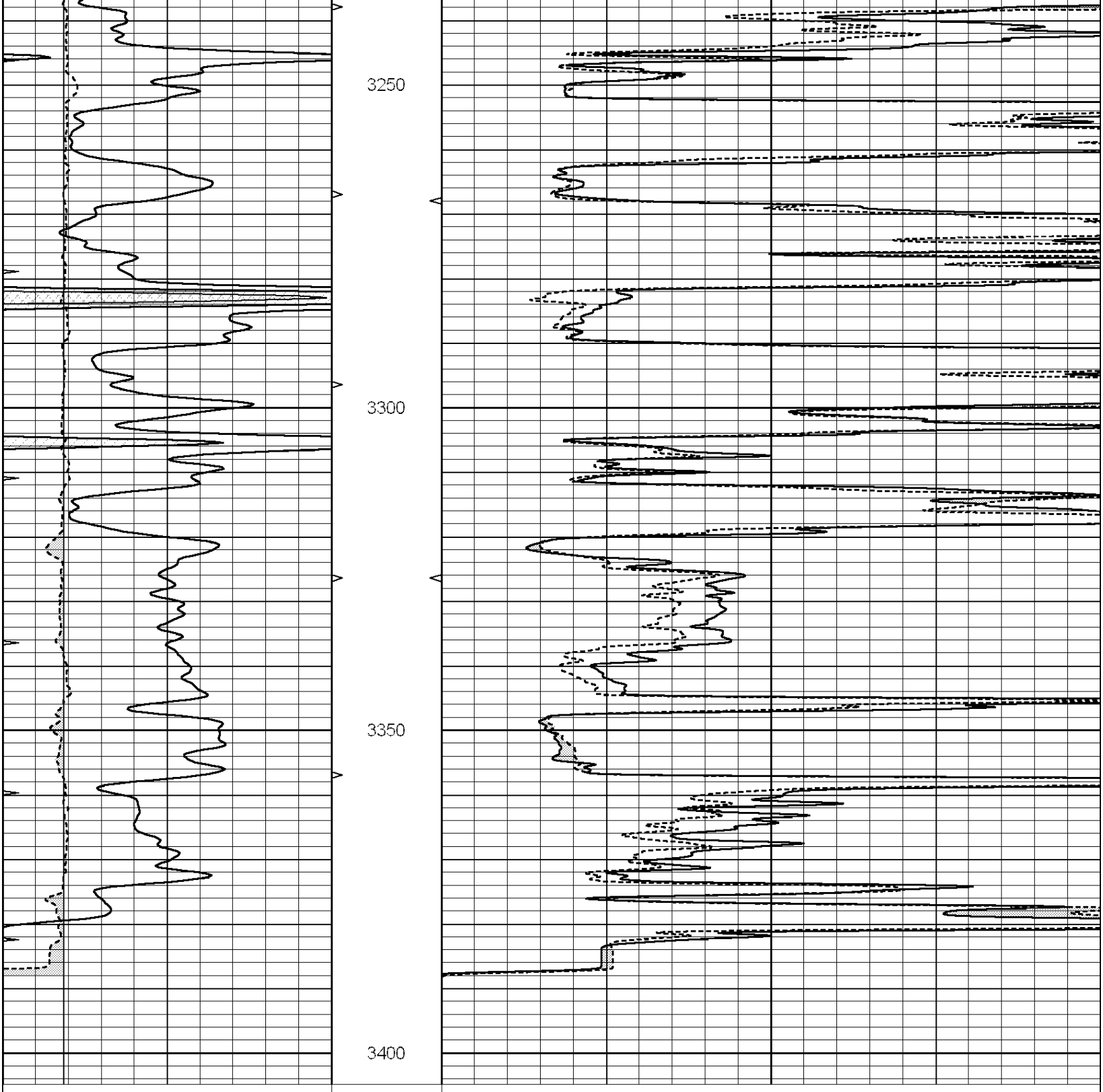
REPEAT SECTION

Database File:	009109ddn.db
Dataset Pathname:	pass5.1
Presentation Format:	micro
Dataset Creation:	Tue May 01 03:50:18 2012 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
6	MELCAL (in)	16
0	MINMK	20

0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40





Calibration Report

Database File: 009109ddn.db
Dataset Pathname: pass6.1A
Dataset Creation: Tue May 01 03:55:02 2012

MICRO Calibration Report

Serial Number: MICRO4

Tool Model:	PROBE	
Performed:	Sun Apr 15 08:28:47 2012	

Caliper Calibration:	Gain=2.242	Offset=-4.419
	Low Cal	High Cal
References	7.800	14.000
Readings	5.449	8.214

1.5" Calibration:	Gain=40.000	Offset=-0.800
	Low Cal	High Cal
References	0.000	20.000
Readings	0.009	1.541

2" Calibration:	Gain=50.000	Offset=0.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	1.198

Gamma Ray Calibration Report

Serial Number:	GR5	
Tool Model:	OPEN	
Performed:	Tue May 01 02:26:46 2012	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.6600	GAPI/cps