SUPERIOR WELL SERVICES

SUPERIOR
Hays, Kansas

MICRO LOG

Company BLACK DIAMOND OIL, INC.
Well STATES AG #2-36
Field POOL EXT.
County NORTON State KANSAS

Location: API # : 15-137-20577-0000
2130' FNL & 2140' FEL
SEC 36 TWP 4S RGE 21W

Other Services
CDL/CNL
DIL

Permanent Datum	GROUND LEVEL	Elevation	2035
Log Measured From	KELLY BUSHING 8' A.G.L.		
Drilling Measured From	KELLY BUSHING		

Elevation
K.B. 2043
D.F. 2041
G.L. 2035

Date	9/3/11		
Run Number	TWO		
Depth Driller	3500		
Depth Logger	3488		
Bottom Logged Interval	3486		
Top Log Interval	2700		
Casing Driller	8 5/8" @ 221		
Casing Logger	219		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 1000 PPM	
Density / Viscosity	9.2/55		
pH / Fluid Loss	10.0/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.40 @ 85F		
Rmf @ Meas. Temp	.30 @ 85F		
Rmc @ Meas. Temp	.48 @ 85F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.30 @ 111F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	111F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	KEN VEHIGE		

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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

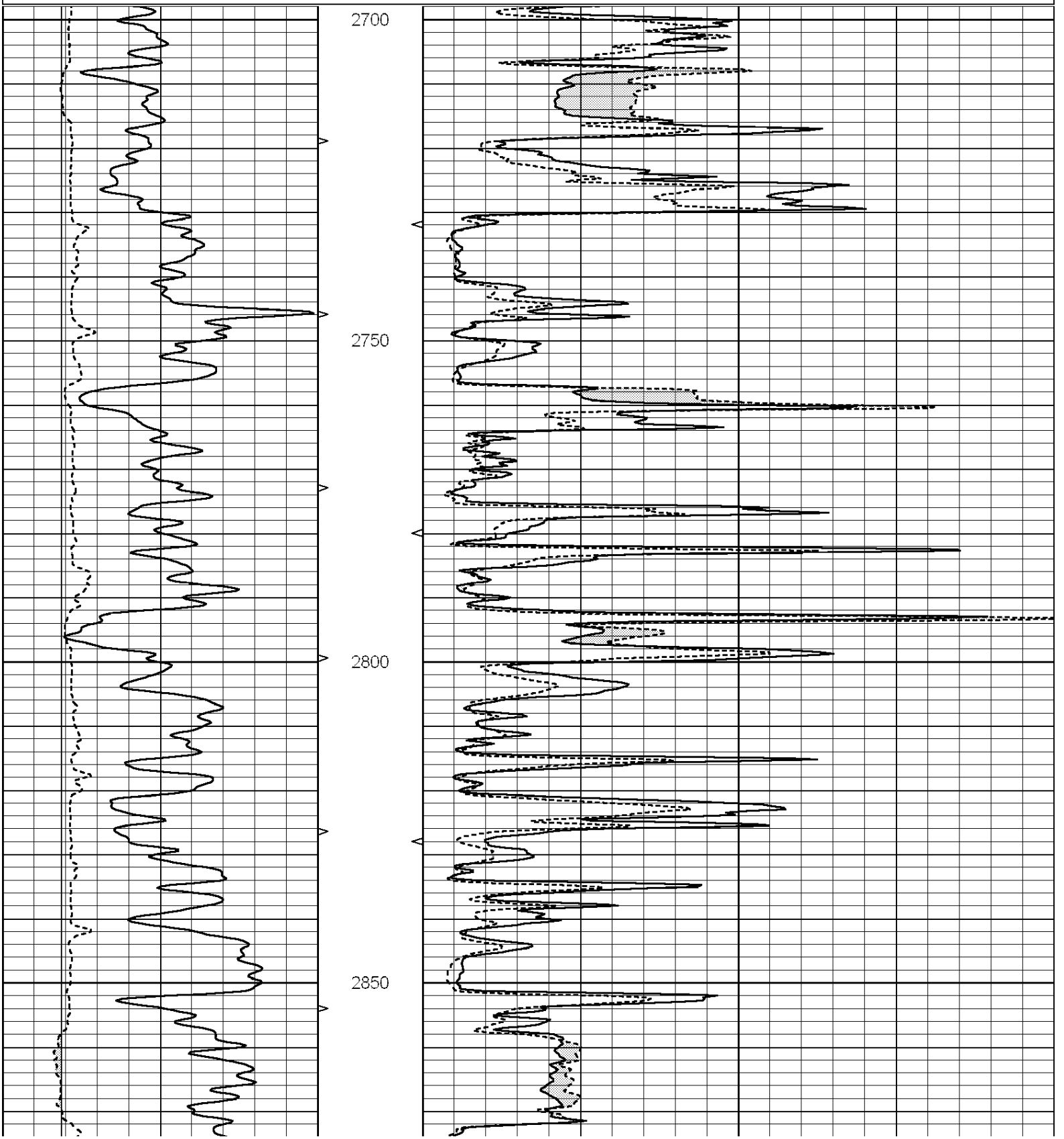
THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
LOGAN KS. - 3 1/4 W - S. INTO

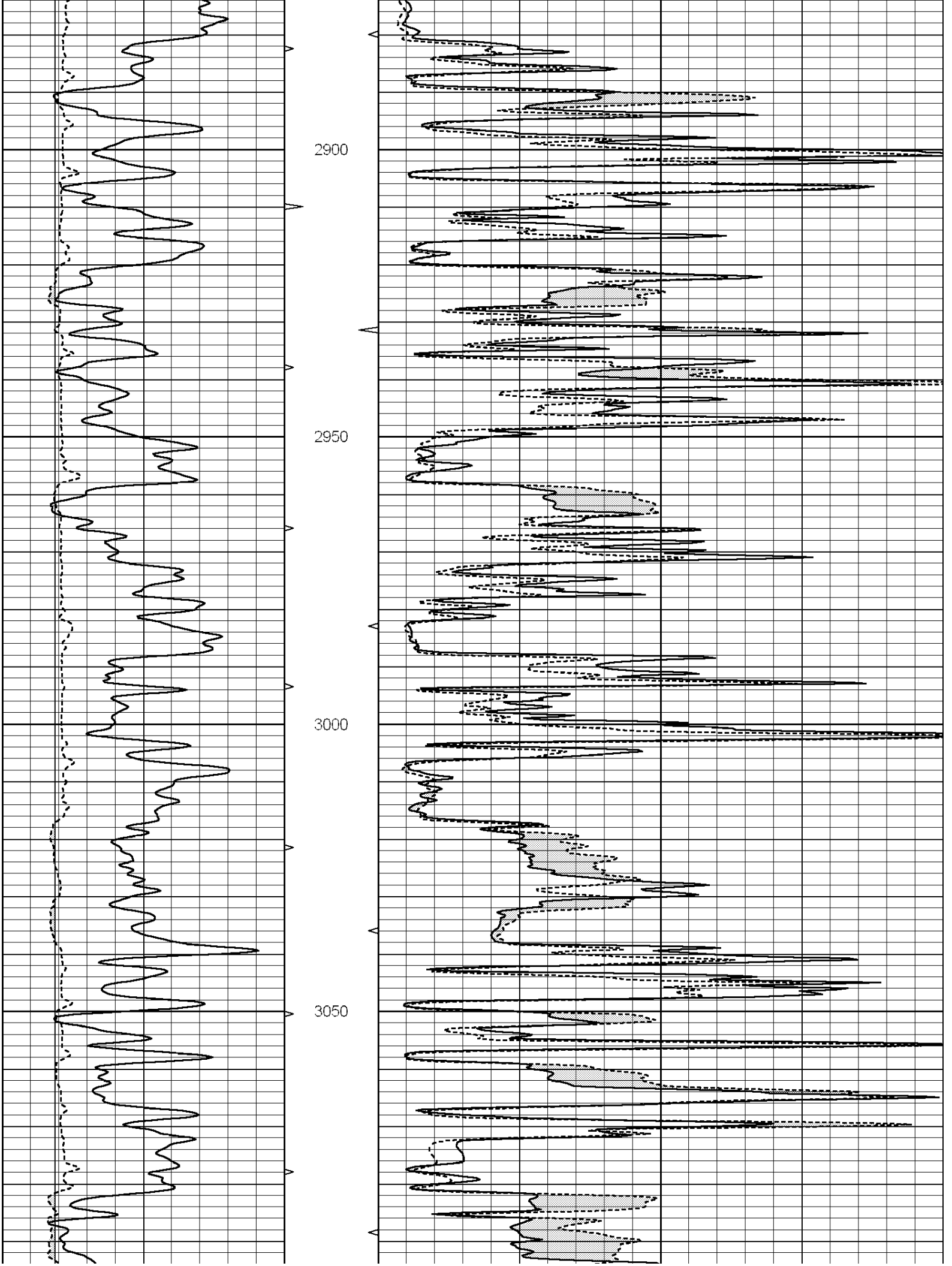
MAIN SECTION

SUPERIOR
Hays, Kansas
SUPERIOR WELL SERVICES

Database File: 007704ddn.db
Dataset Pathname: pass6.1
Presentation Format: _micro
Dataset Creation: Sat Sep 03 04:07:49 2011 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		0	MEL2.0 (Ohm-m) 40
		TBHV			
		0 (ft3) 10			

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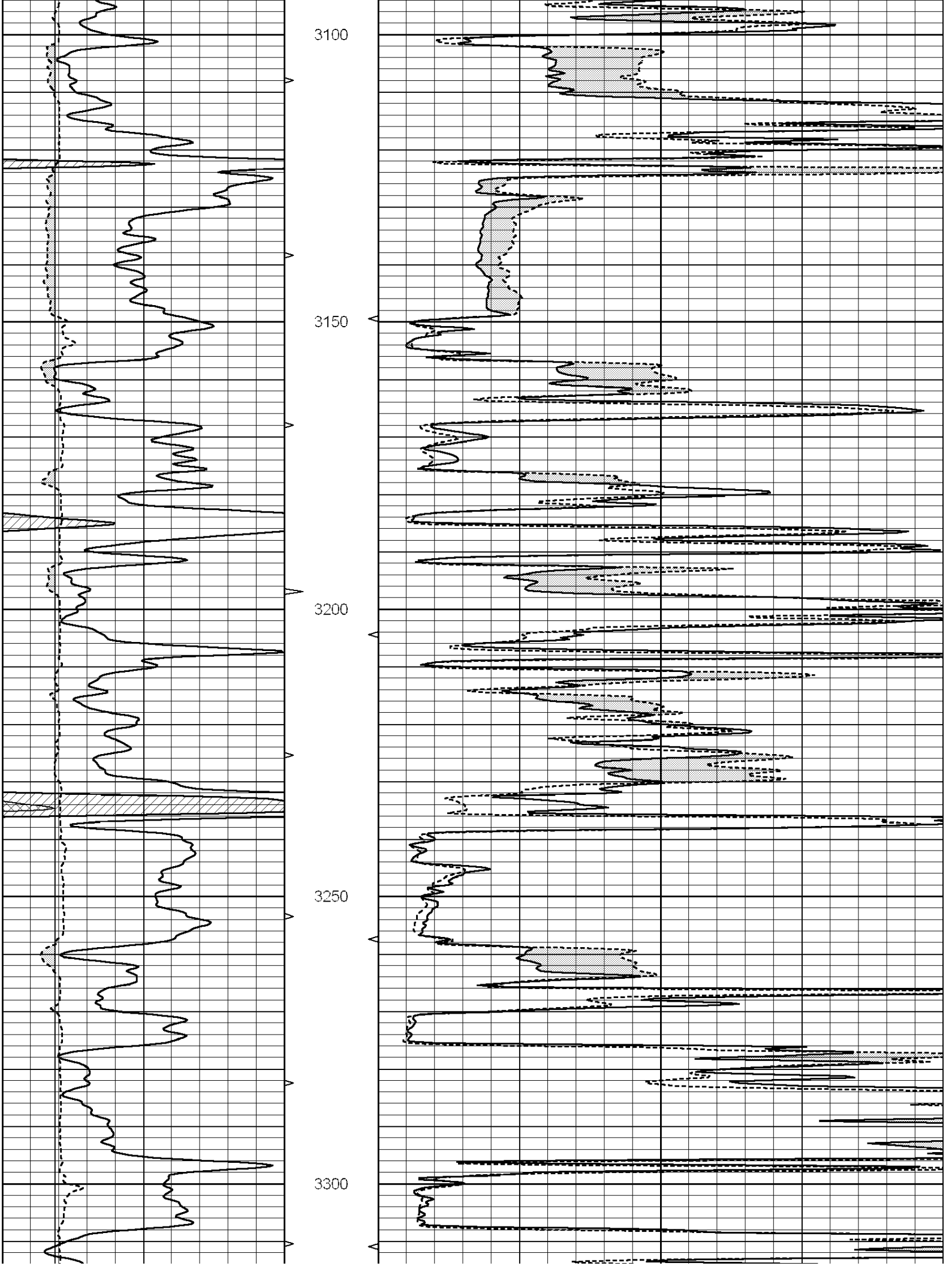
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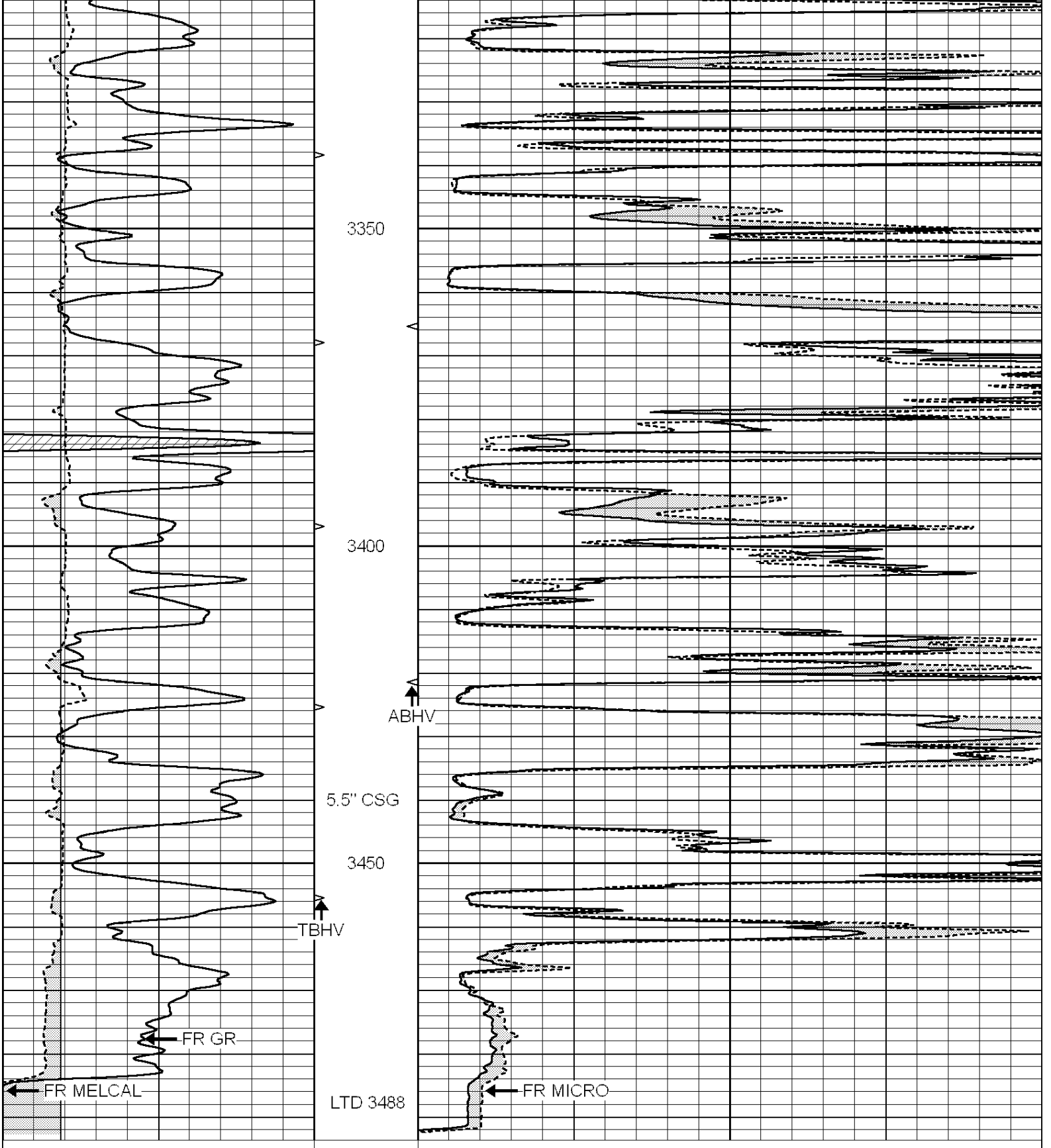


SUPERIOR WELL SERVICES

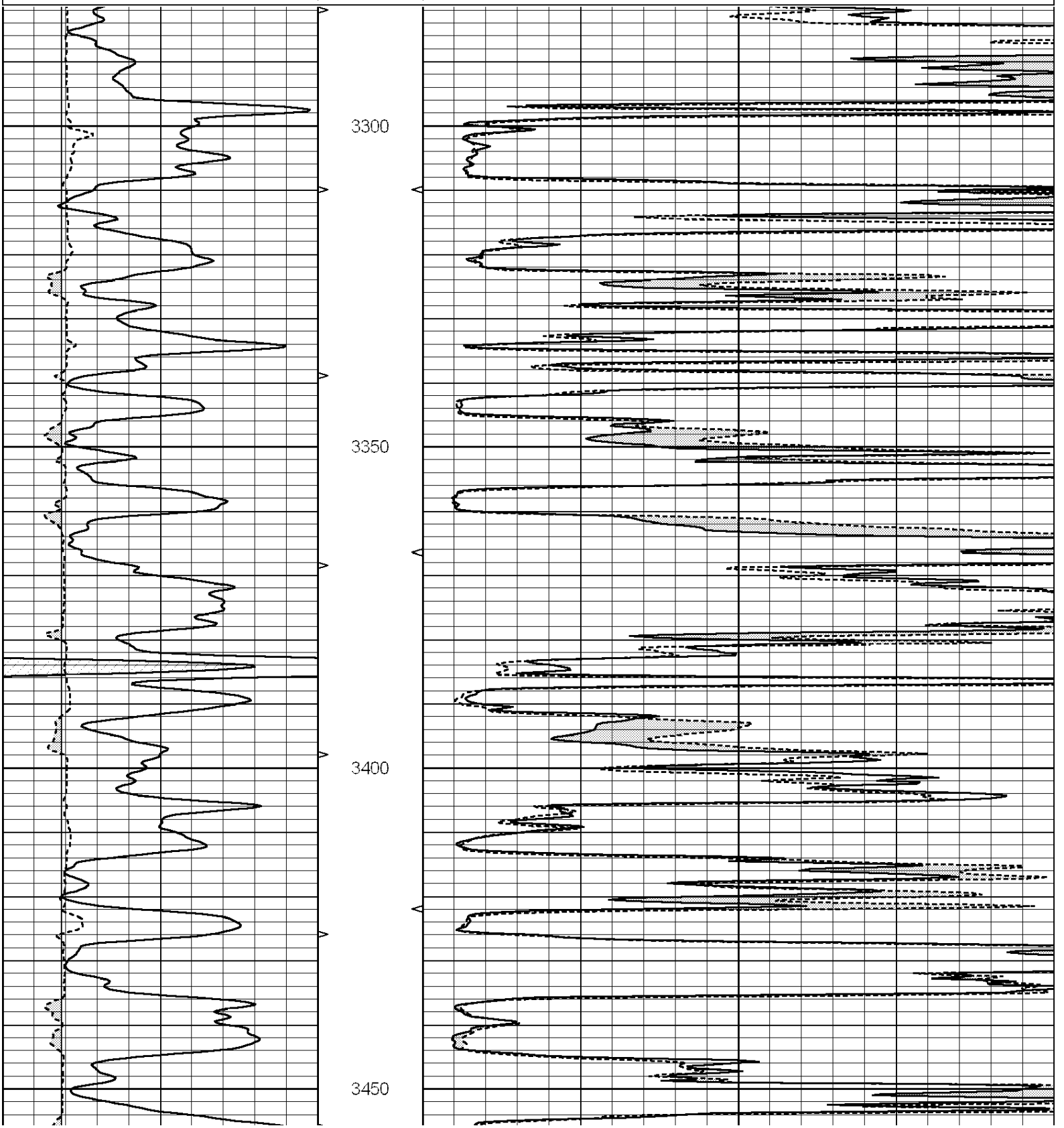
SUPERIOR
Hays,
Kansas

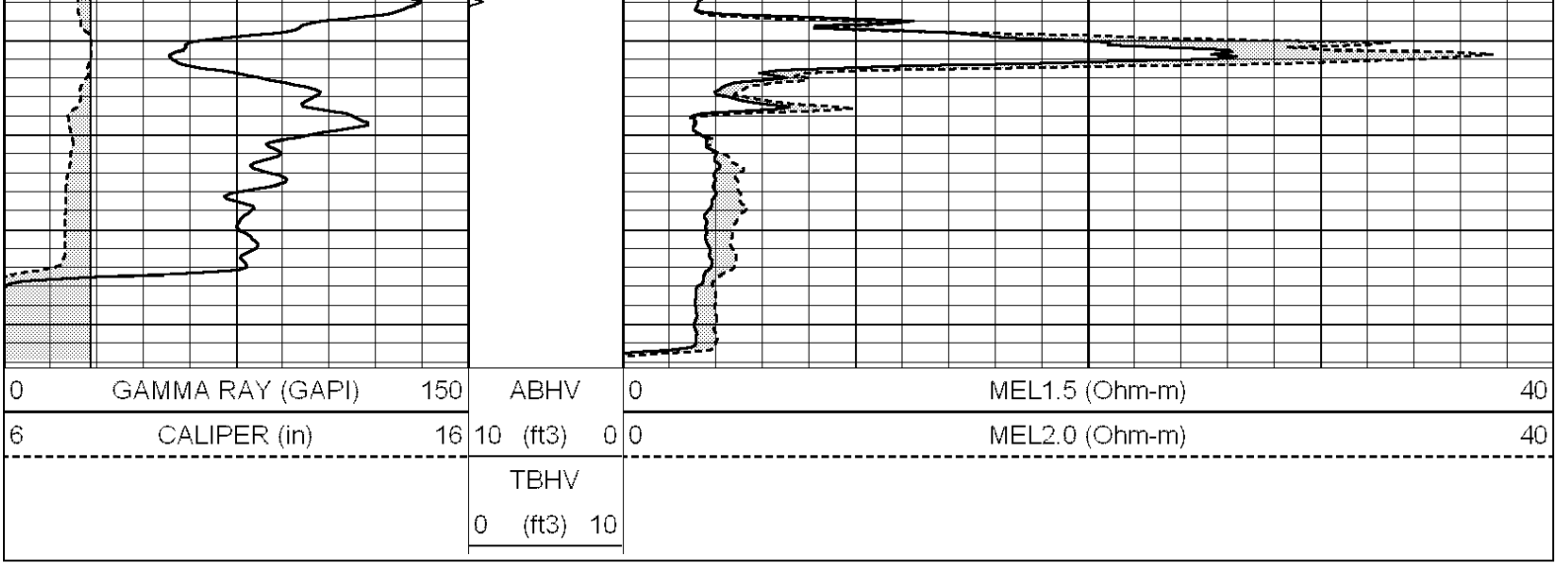
REPEAT SECTION

Kansas

Database File:	007704ddn.db
Dataset Pathname:	pass5.1
Presentation Format:	_micro
Dataset Creation:	Sat Sep 03 03:55:08 2011 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	0	MEL2.0 (Ohm-m)	40
		TBHV 0 (ft3) 10			





Calibration Report

Database File: 007704ddn.db
Dataset Pathname: pass5.1
Dataset Creation: Sat Sep 03 03:55:08 2011 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number:	MICRO6	
Tool Model:	PROBE	
Performed:	Sun Aug 28 22:47:42 2011	
Caliper Calibration:	Gain=5.211	Offset=-0.060
	Low Cal	High Cal
References	8.000	14.000
Readings	1.178	2.330
1.5" Calibration:	Gain=30.075	Offset=-0.650
	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	1.196
2" Calibration:	Gain=40.041	Offset=-0.600
	Low Cal	High Cal
References	0.000	20.000
Readings	0.006	0.913

Gamma Ray Calibration Report

Serial Number:	#8	
Tool Model:	OPEN	
Performed:	Mon Jun 13 16:56:43 2011	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	175.0	cps
Sensitivity:	0.8371	GAPI/cps