



SUPERIOR
Hays,
Kansas

MICRO LOG

Company		PIONEER RESOURCES	
Well		KEMPER #9	
Field		RAY WEST	
County		NORTON	
State		KANSAS	
Location:		API # : 15-137-20574-0000 550' FSL & 1320' FEL	
SEC 23 TWP 5S RGE 21W		Other Services CDL/CNL DIL	
Permanent Datum Log Measured From Drilling Measured From		GROUND LEVEL KELLY BUSHING 8' A.G.L. KELLY BUSHING	
Elevation		2191 K.B. 2199 D.F. 2197 G.L. 2191	
Date	9/12/11		
Run Number	TWO		
Depth Driller	3700		
Depth Logger	3694		
Bottom Logged Interval	3692		
Top Log Interval	3100		
Casing Driller	8 5/8" @ 218		
Casing Logger	218		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 1900 PPM	
Density / Viscosity	9.1/62		
pH / Fluid Loss	10.0/7.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	1.1 @ 86F		
Rmf @ Meas. Temp	.82 @ 86F		
Rmc @ Meas. Temp	1.32 @ 86F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.83 @ 113F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	113F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	RANDY KILLIAN	ROGER WELLS	

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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. - 5.5 MILES SOUTH TO DAY DREAM RD. - 4 W. TO RD 13 - 1 1/2 N.
W. & S. INTO AT OLD FARMHOUSE

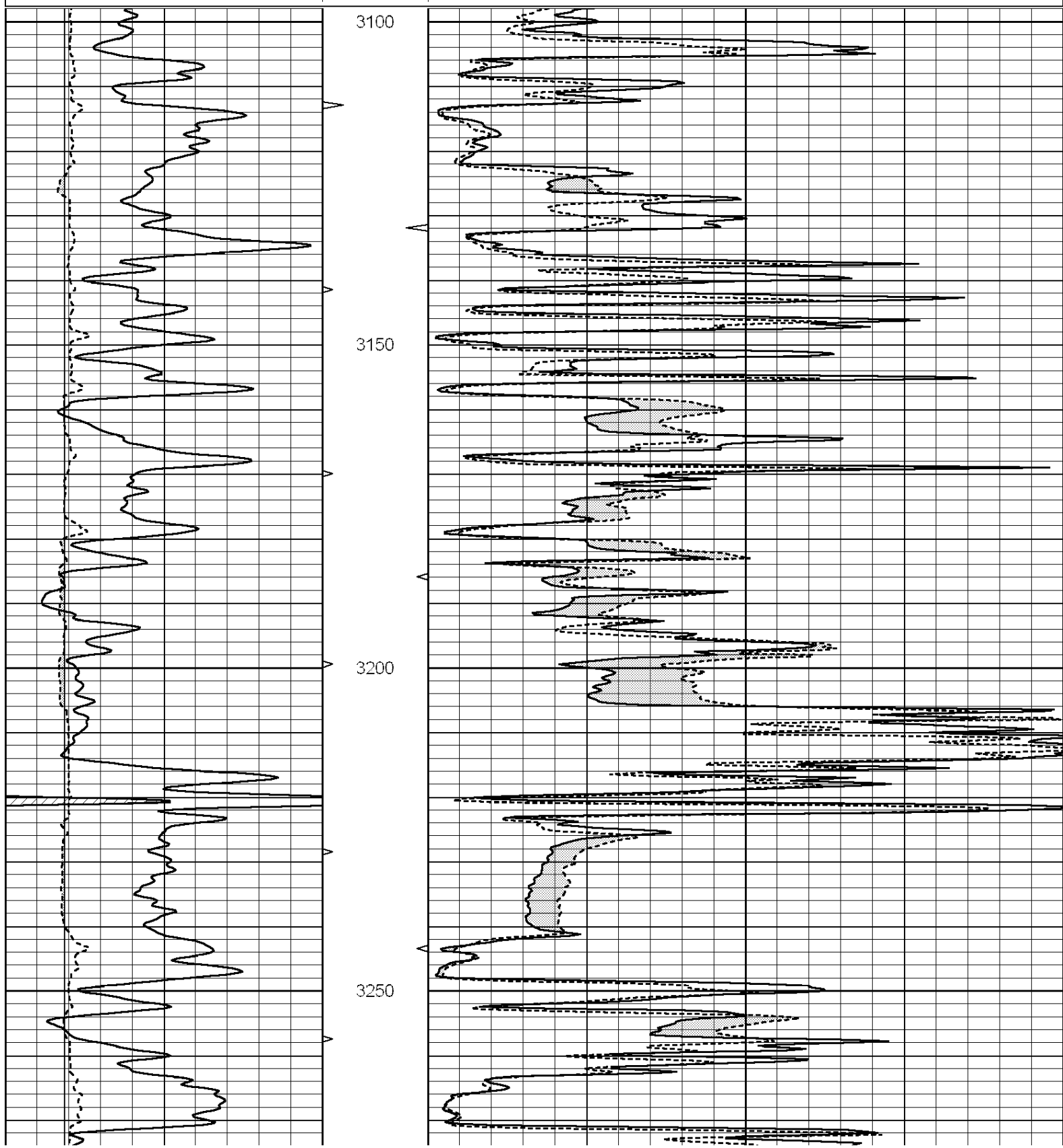


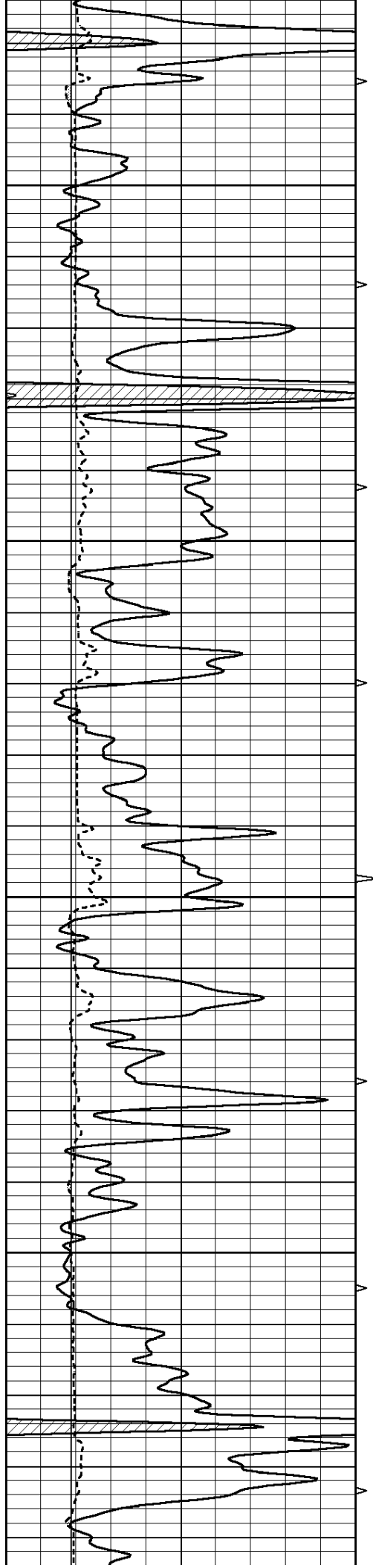
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MAIN SECTION

Database File: 007711ddn.db
 Dataset Pathname: pass6.1
 Presentation Format: _micro
 Dataset Creation: Mon Sep 12 18:52:06 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	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3)	10		



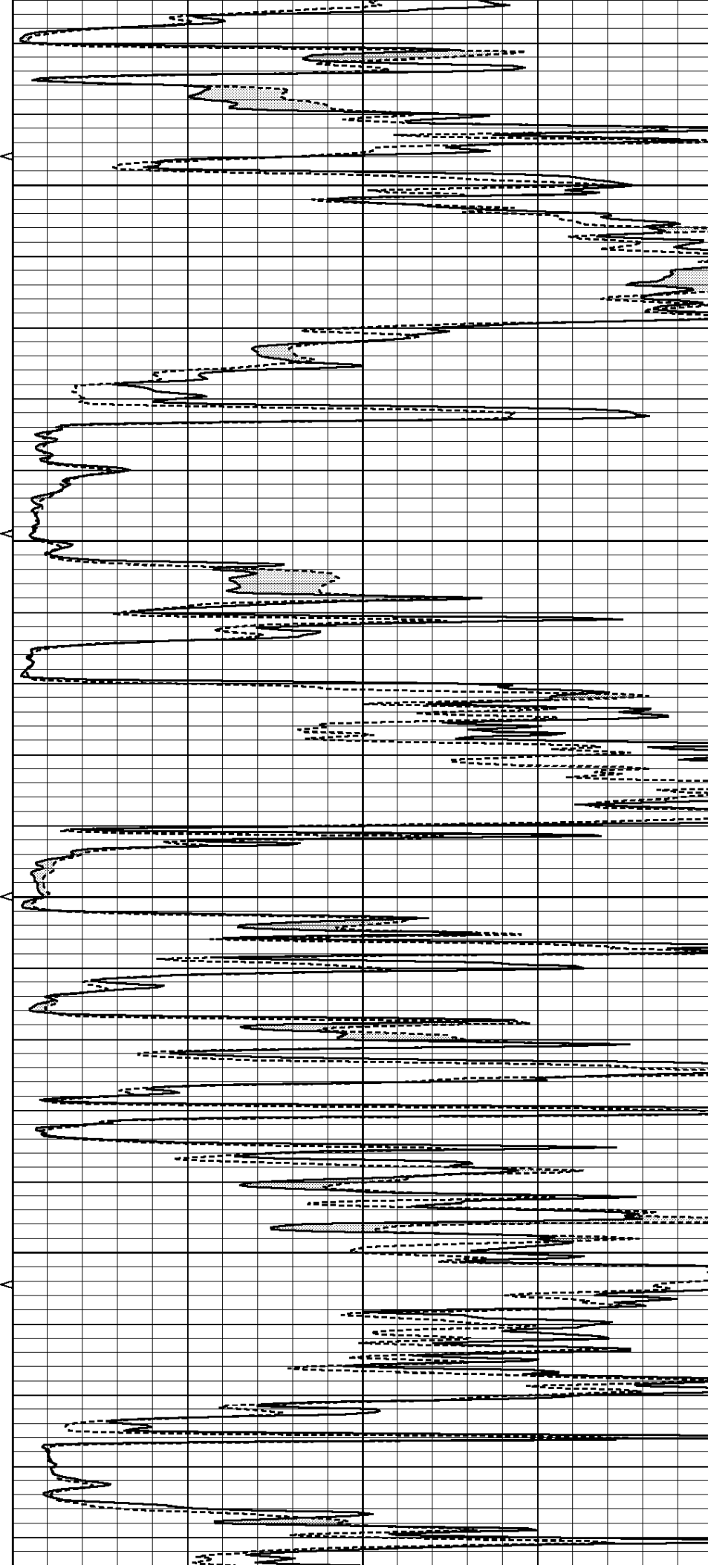


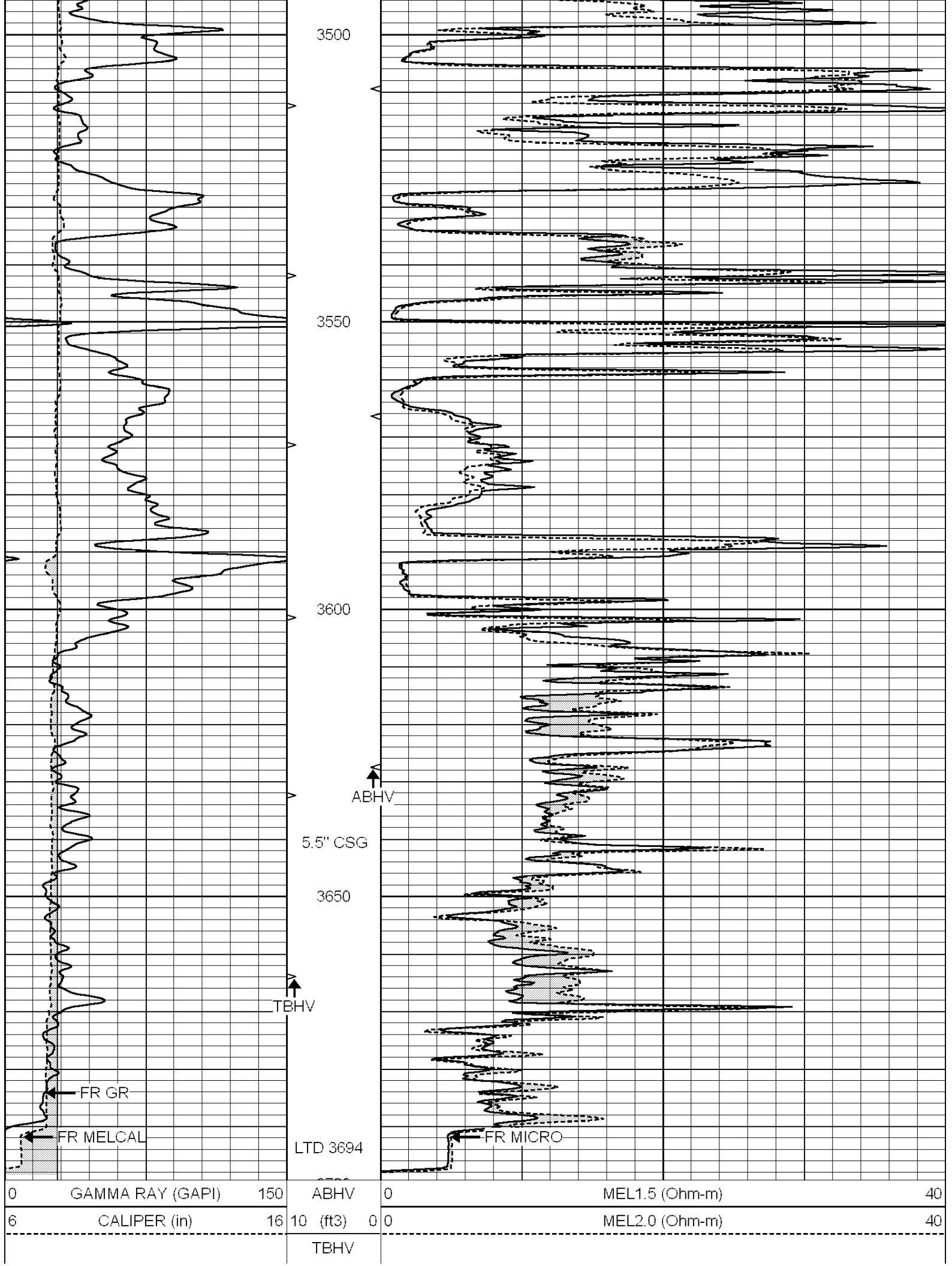
3300

3350

3400

3450

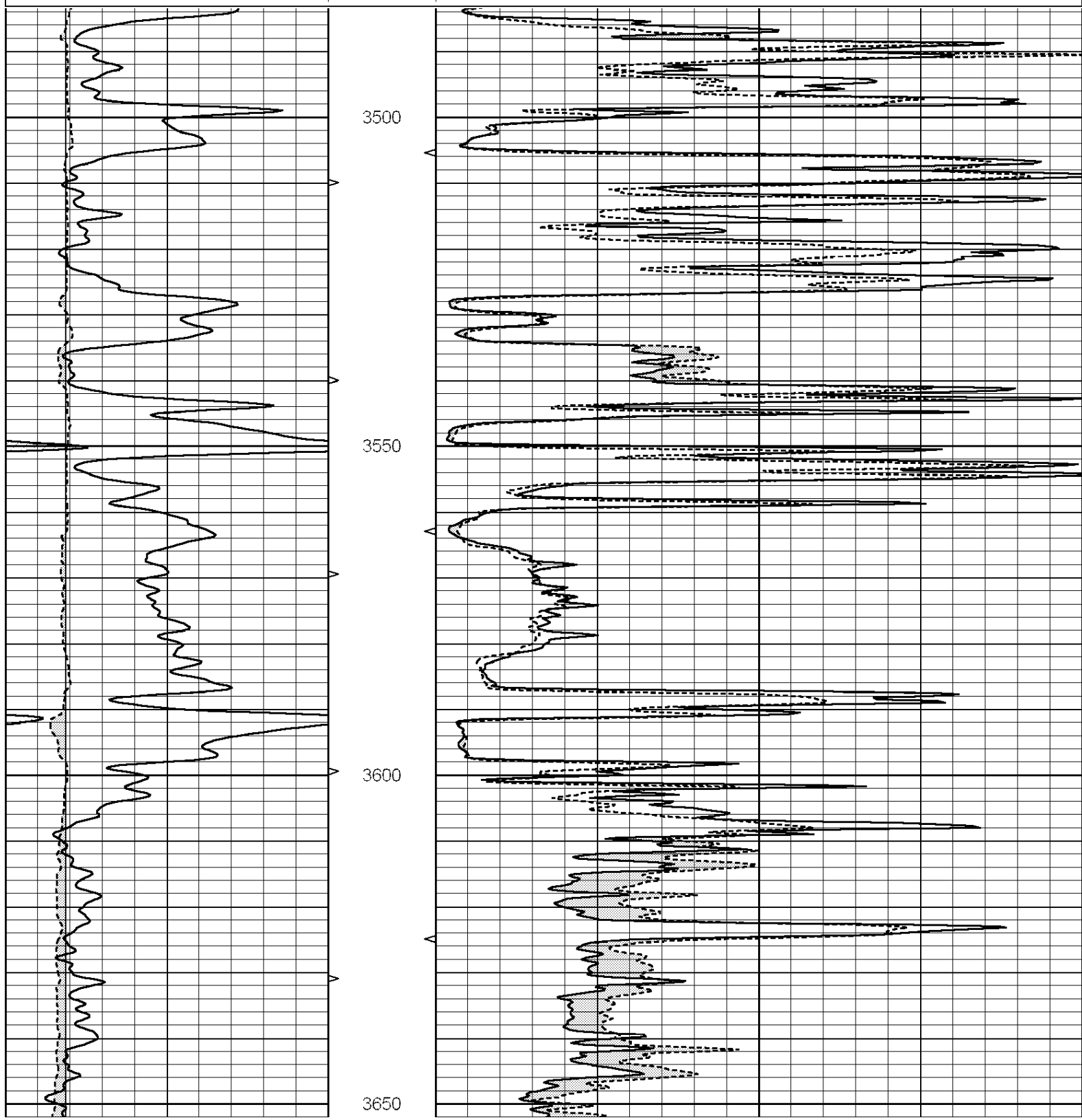


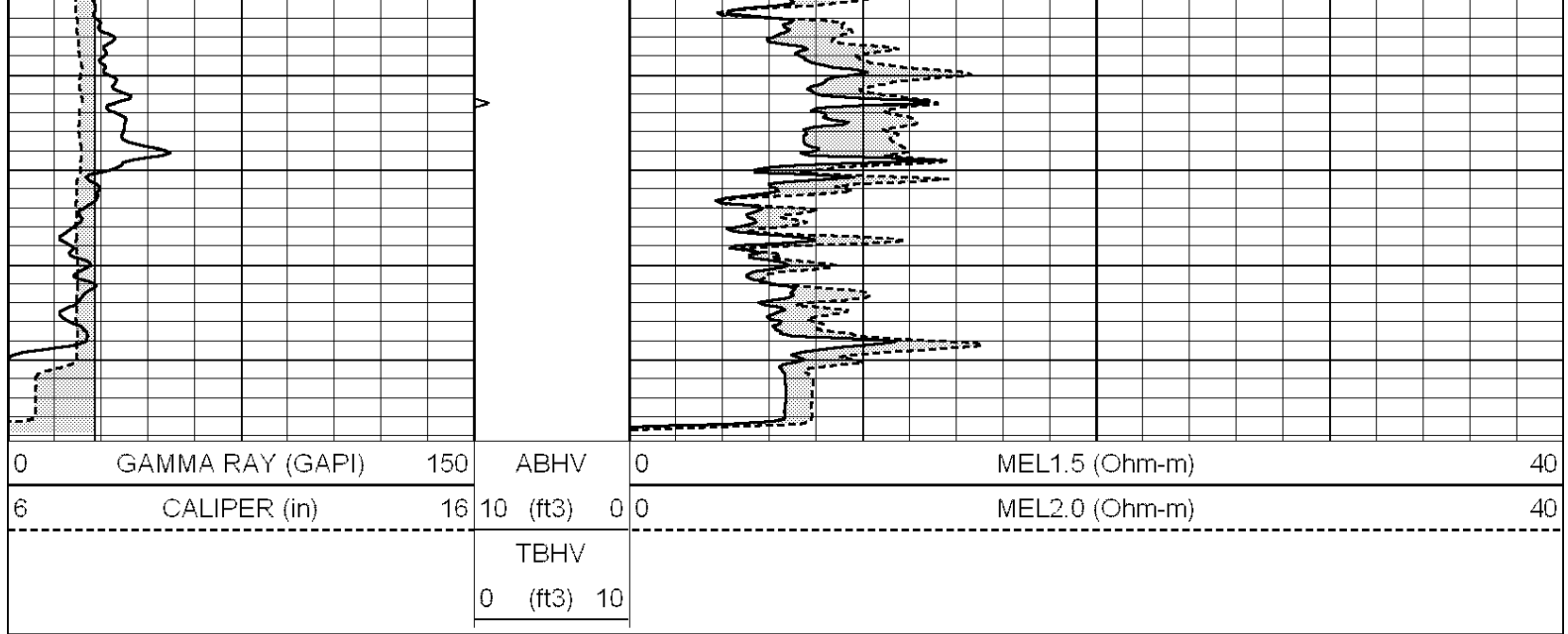


0 (ft3) 10

Database File: 007711ddn.db
Dataset Pathname: pass5.1
Presentation Format: _micro
Dataset Creation: Mon Sep 12 18:33:12 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:	007711ddn.db		
Dataset Pathname:	pass6.1		
Dataset Creation:	Mon Sep 12 18:52:06 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=0.260	
	Low Cal	High Cal	
References	8.000	14.000	
Readings	1.178	2.330	
1.5" Calibration:	Gain=30.075	Offset=-1.550	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.004	1.196	
2" Calibration:	Gain=45.041	Offset=-1.500	
	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	