



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

MICRO LOG

Company		CHARTER ENERGY, INC.	
Well		SYMNS #2	
Field		STAFFORD	
County		KANSAS	
State		KANSAS	
Location:		APL # : 15-185-23897-0000	
Permanent Datum		GROUND LEVEL Elevation 1950	
Log Measured From		1957' FSL & 546' FEL NW - SE - NE - SE	
Drilling Measured From		SEC 28 TWP 22S RGE 14W KELLY BUSHING 7' A.G.L. KELLY BUSHING	
Other Services CDL/CNL DIL		Elevation K.B. 1957 D.F. 1955 G.L. 1950	
Date	8/27/14		
Run Number	TWO		
Depth Driller	3995		
Depth Logger	3996		
Bottom Logged Interval	3994		
Top Log Interval	3200		
Casing Driller	8 5/8" @ 494'		
Casing Logger	492		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 22,000 PPM	
Density / Viscosity	8.9/4.1		
pH / Fluid Loss	9.0/24.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.30 @ 86F		
Rmt @ Meas. Temp	0.23 @ 86F		
Rmc @ Meas. Temp	0.36 @ 86F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	0.22 @ 116F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	116F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF GRONEWEG		
Witnessed By	JIM MUSGROVE		

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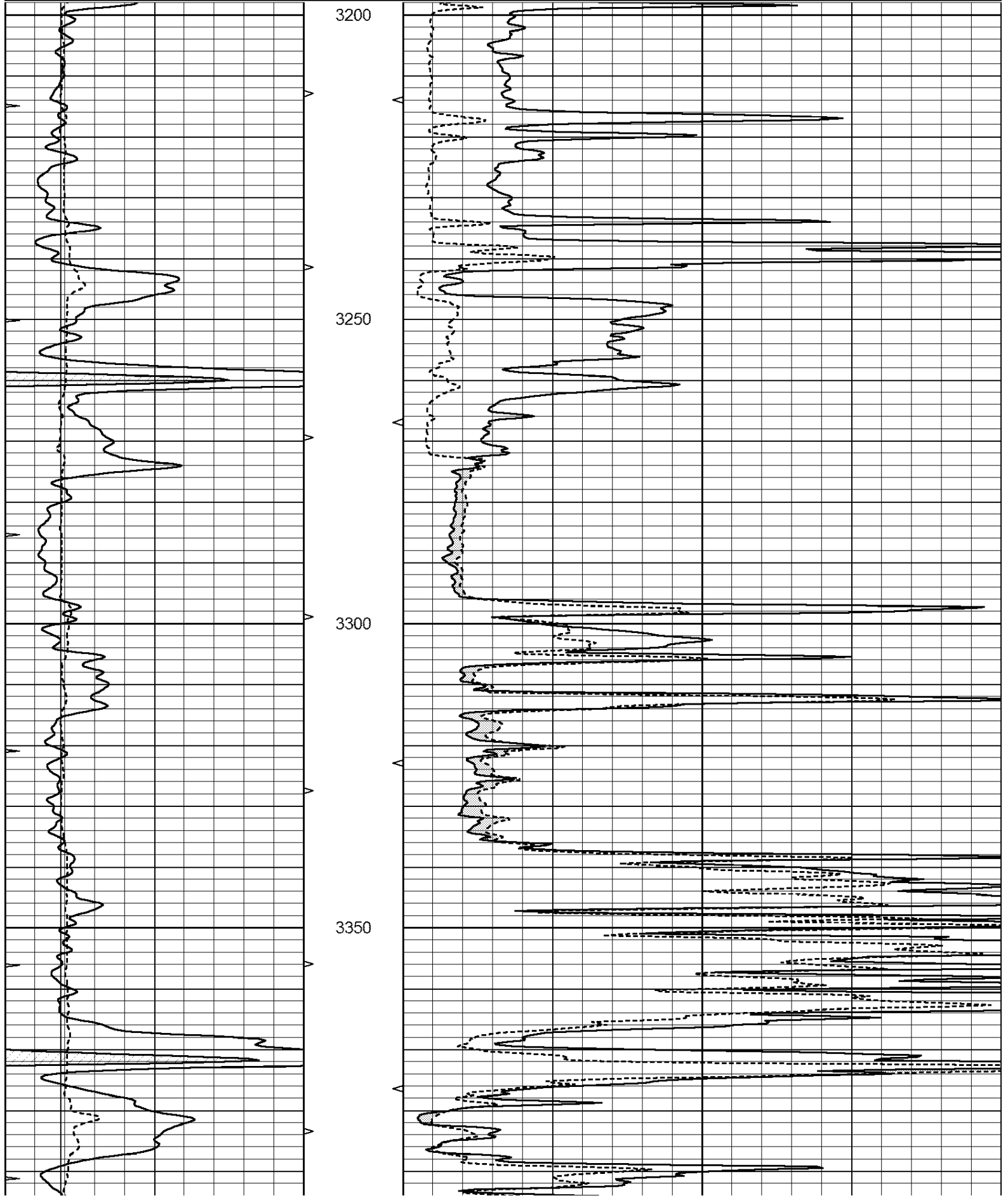
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

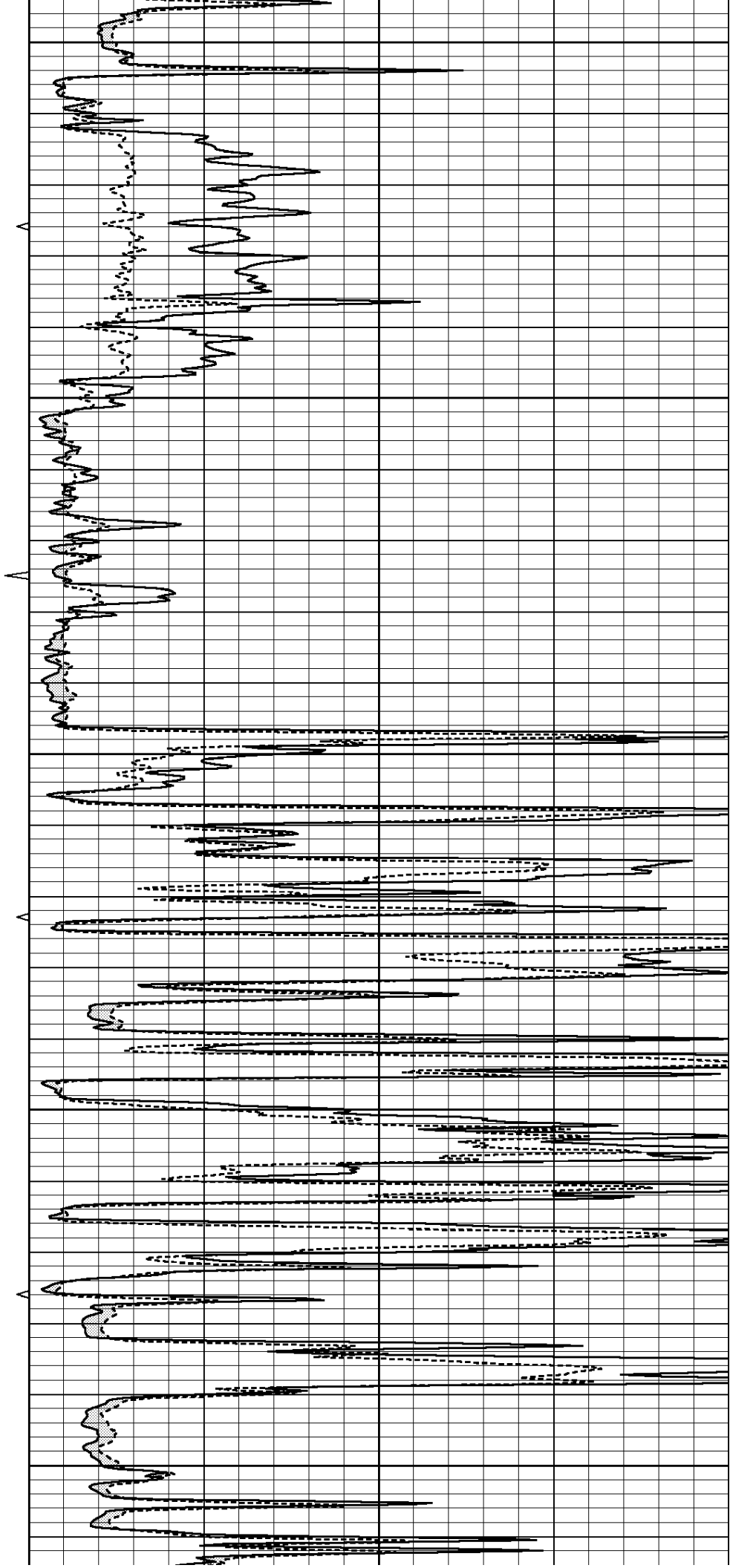
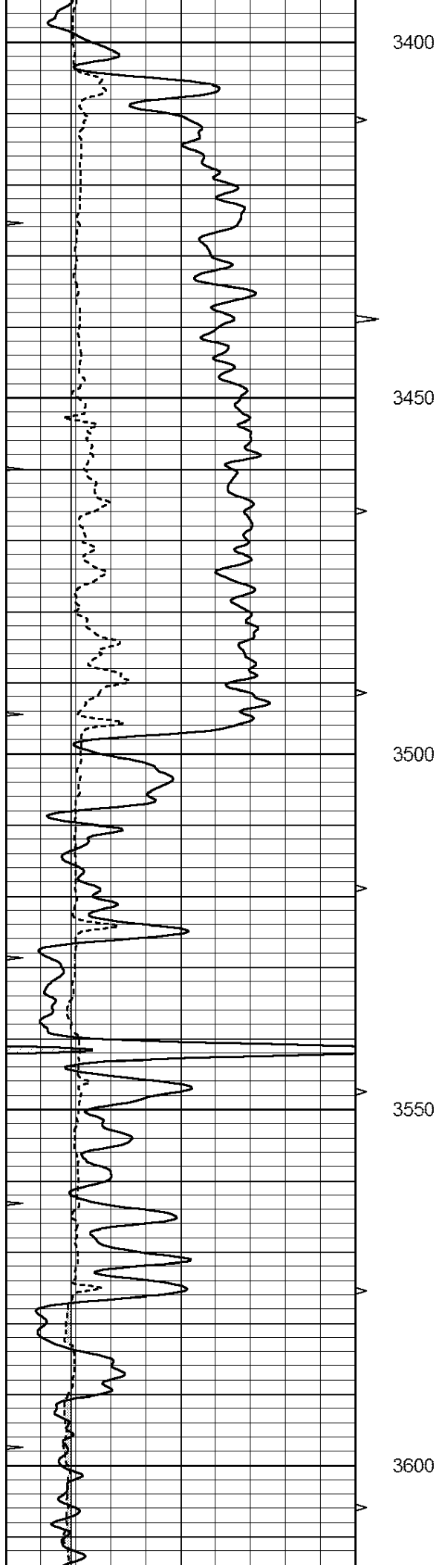
Comments

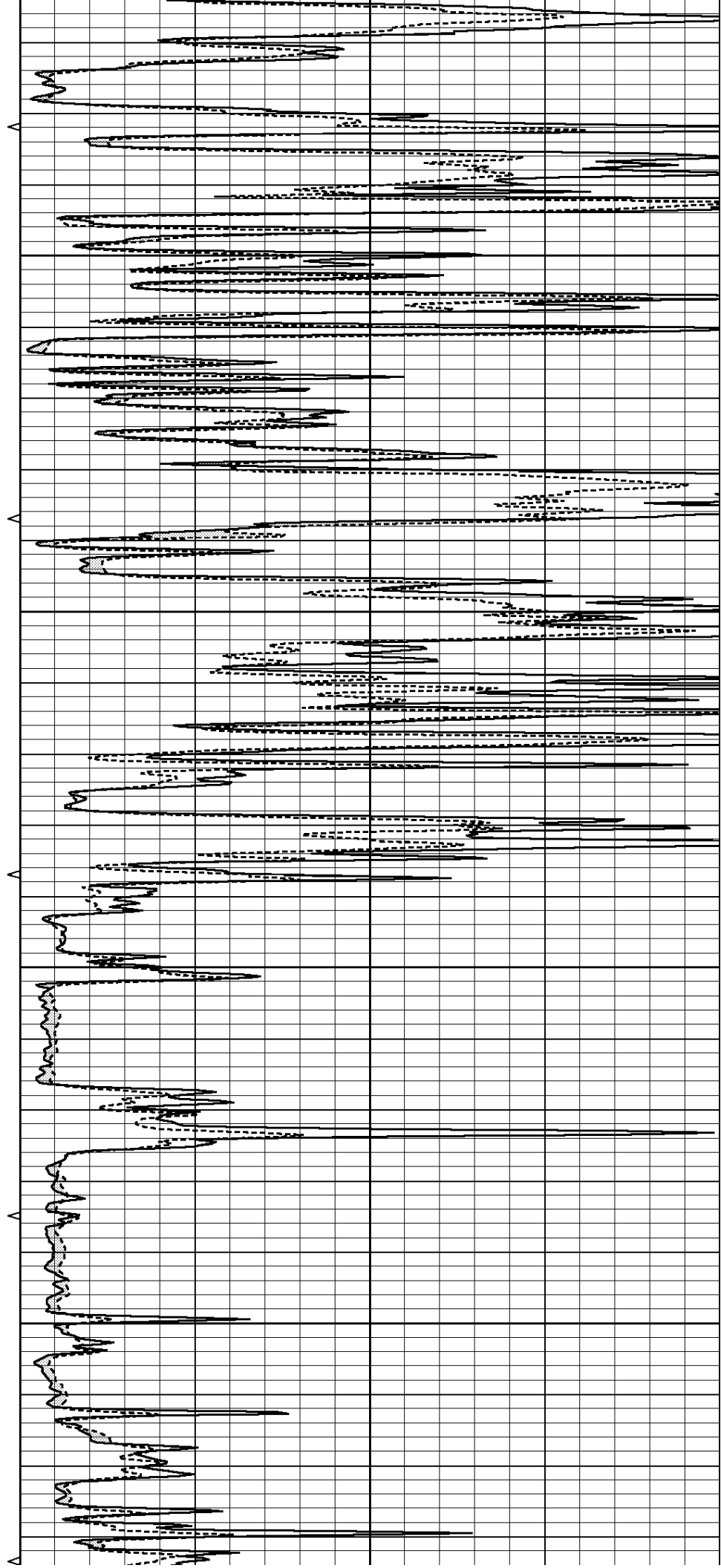
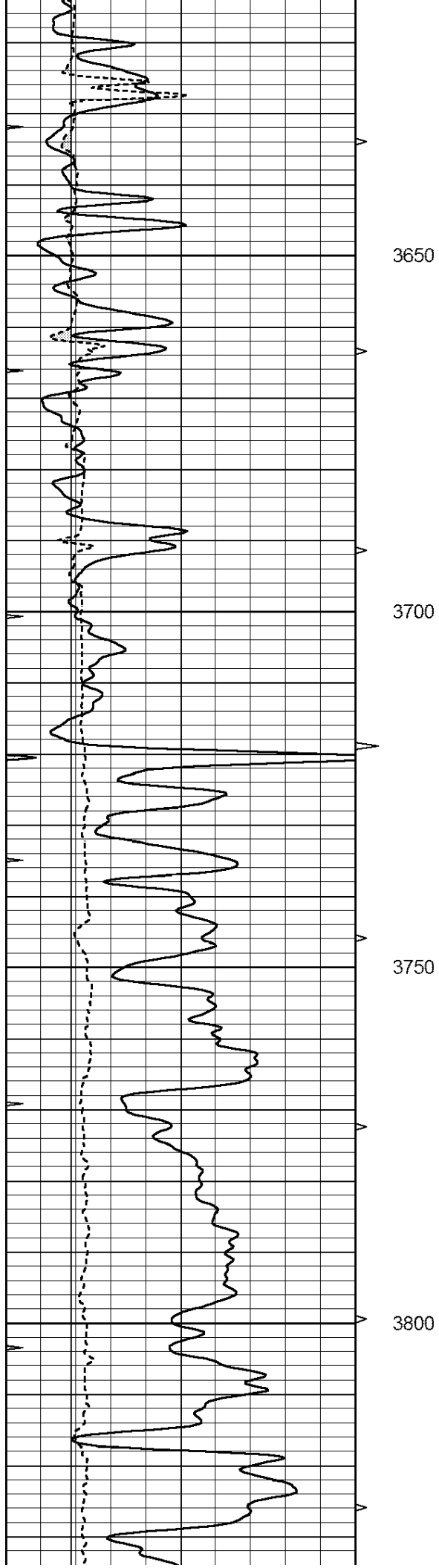
THANK YOU FOR USING NABORS, HAYS, KS. (785) 628-6395
DIRECTIONS:
INTERSECTION OF HWY 19 & RADIUM BLACKTOP - 3 MILES SOUTH
2 MILES EAST - 1/2 MILE SOUTH - WEST INTO

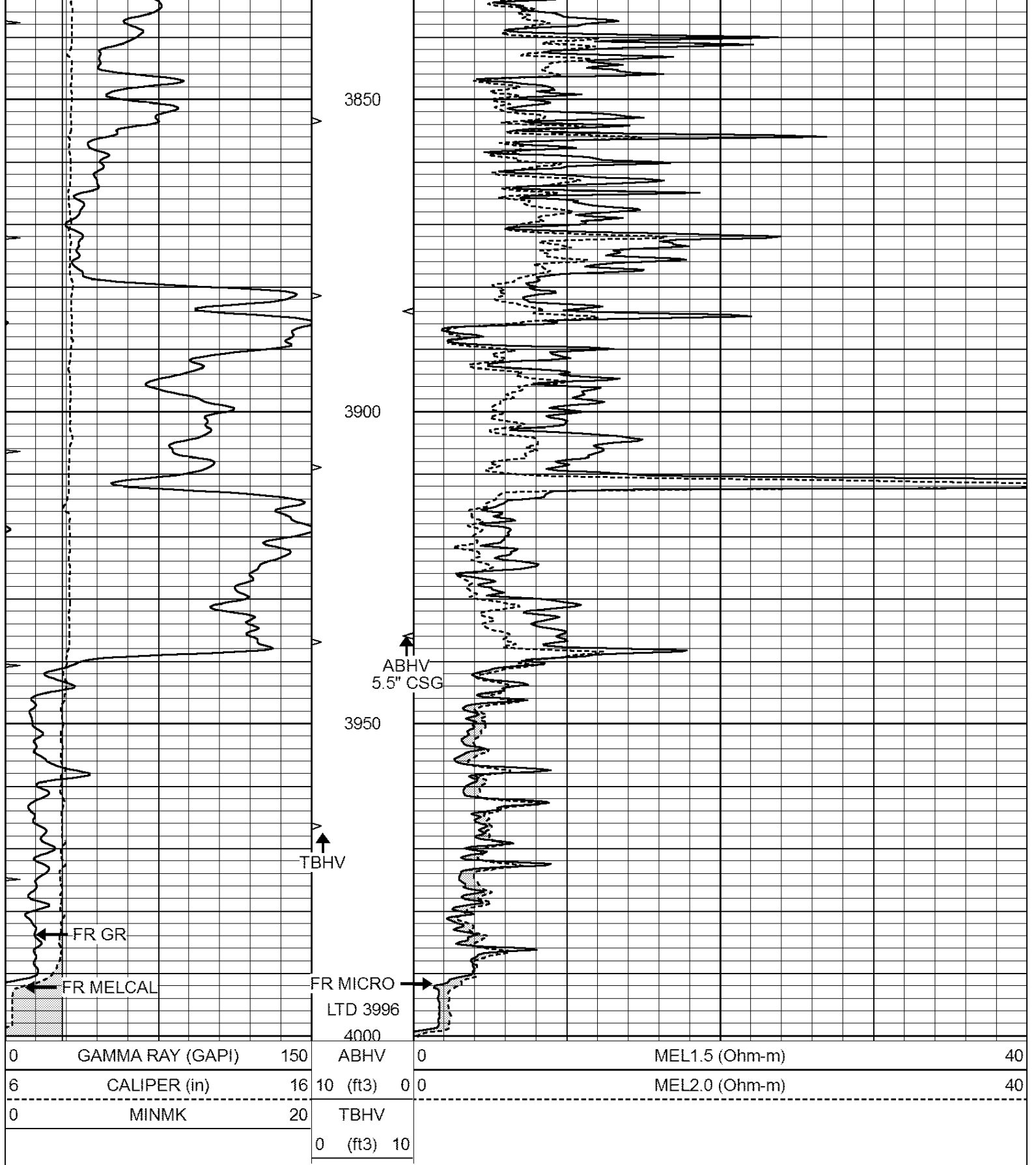
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Dataset Pathname: pass5.1
Presentation Format: _micro
Dataset Creation: Wed Aug 27 04:16:43 2014 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

Charted by: _____			Depth in Feet scaled 1:2.10			
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16		0	MEL2.0 (Ohm-m)	40
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0	MINMK	20	TBHV			
			0 (ft3) 10			





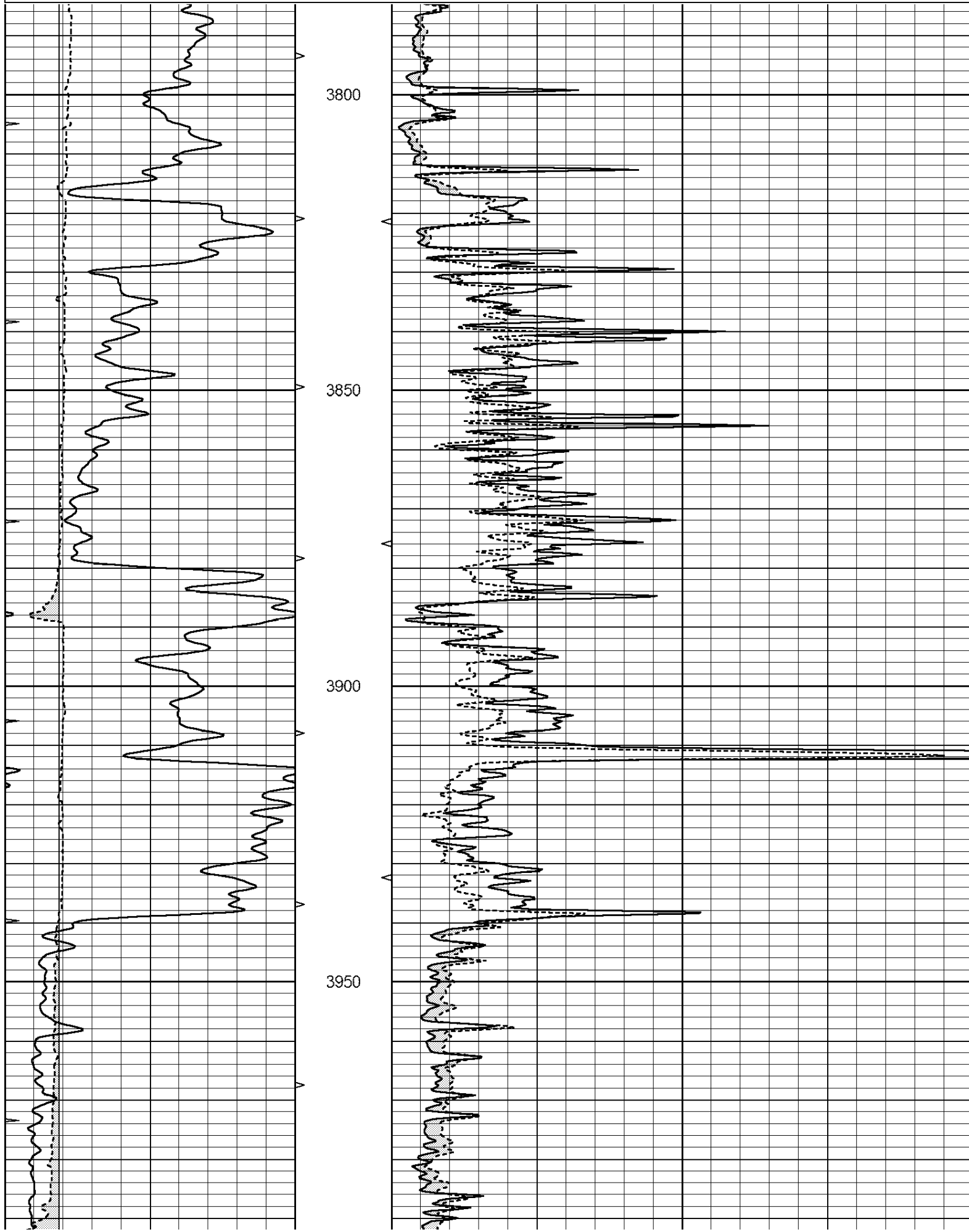


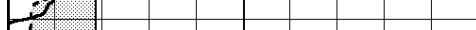


Database File: 25858ddn.db
Dataset Pathname: pass4.1
Presentation Format: _micro
Dataset Creation: Wed Aug 27 03:50:01 2014 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

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

0	MINMK	20	TBHV
		0 (ft3)	10



			4000					
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)					

Calibration Report			
Database File:	25858ddn.db		
Dataset Pathname:	pass5.1		
Dataset Creation:	Wed Aug 27 04:16:43 2014 by Calc Open-Cased 090629		
MICRO Calibration Report			
Serial Number:	MICRO6		
Tool Model:	PROBE		
Performed:	Tue Aug 26 10:52:38 2014		
Caliper Calibration:	Gain=5.542	Offset=0.850	
	Low Cal	High Cal	
References	8.000	14.000	
Readings	1.431	2.513	
1.5" Calibration:	Gain=38.075	Offset=-0.400	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.004	1.196	
2" Calibration:	Gain=45.000	Offset=0.300	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.006	0.913	
Gamma Ray Calibration Report			
Serial Number:	GR6		
Tool Model:	OPEN		
Performed:	Sun Aug 17 15:23:09 2014		
Calibrator Value:	150.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	276.0	cps	
Sensitivity:	0.7000	GAPI/cps	