



**COMPLETION  
& PRODUCTION  
SERVICES CO.**

**MICRO  
LOG**

Company SHELBY RESOURCES, LLC.  
Well VIOLA #1-35  
Field WILDCAT  
County PAWNEE State KANSAS

Company SHELBY RESOURCES, LLC.  
Well VIOLA #1-35  
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County PAWNEE  
State KANSAS

Location: API #: 15-145-21761-00-00  
720' FNL & 1920' FWL  
NE - SW - NE - NW  
SEC 35 TWP 21S RGE 16W  
Permanent Datum GROUND LEVEL Elevation 1977  
Log Measured From KELLY BUSHING 13' A.G.L.  
Drilling Measured From KELLY BUSHING  
Other Services  
CDL/CNL  
DIL/SON  
Elevation  
K.B. 1990  
D.F. 1988  
G.L. 1977

Date	4-29-14		
Run Number	TWAO		
Depth Driller	4050		
Depth Logger	4049		
Bottom Logged Interval	4031		
Top Log Interval	3200		
Casing Driller	8 5/8 @ 990'		
Casing Logger	988'		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES: 4400 PPM	
Density / Viscosity	9.3 / 59		
pH / Fluid Loss	11.0 / 8.0		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	1.00 @ 69F		
Rmf @ Meas. Temp	0.75 @ 69F		
Rmc @ Meas. Temp	1.20 @ 69F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	0.59 @ 116F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	116F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	JEFF GRONEWEG		
Witnessed By	JEREMY SCHWARTZ		

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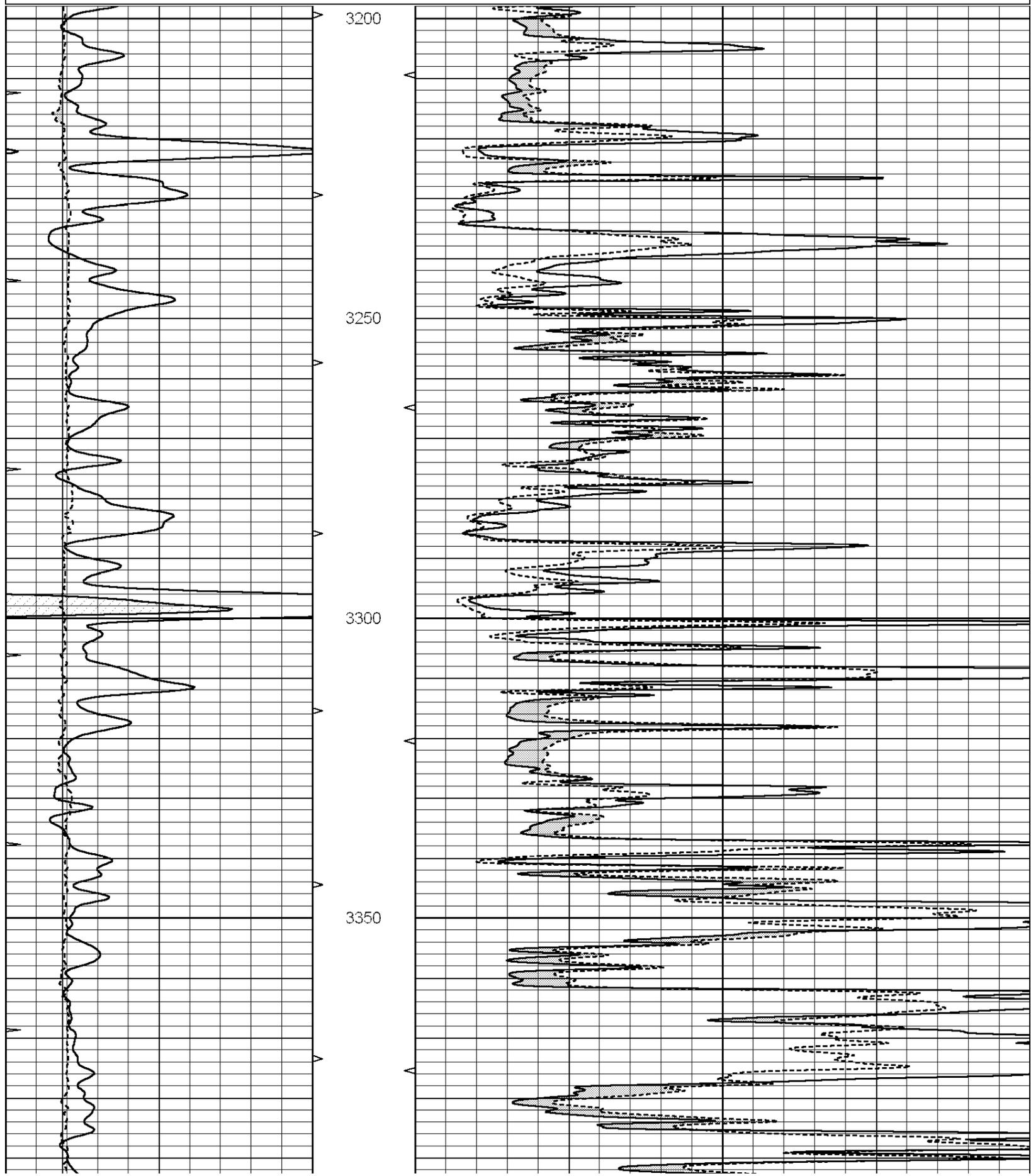
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

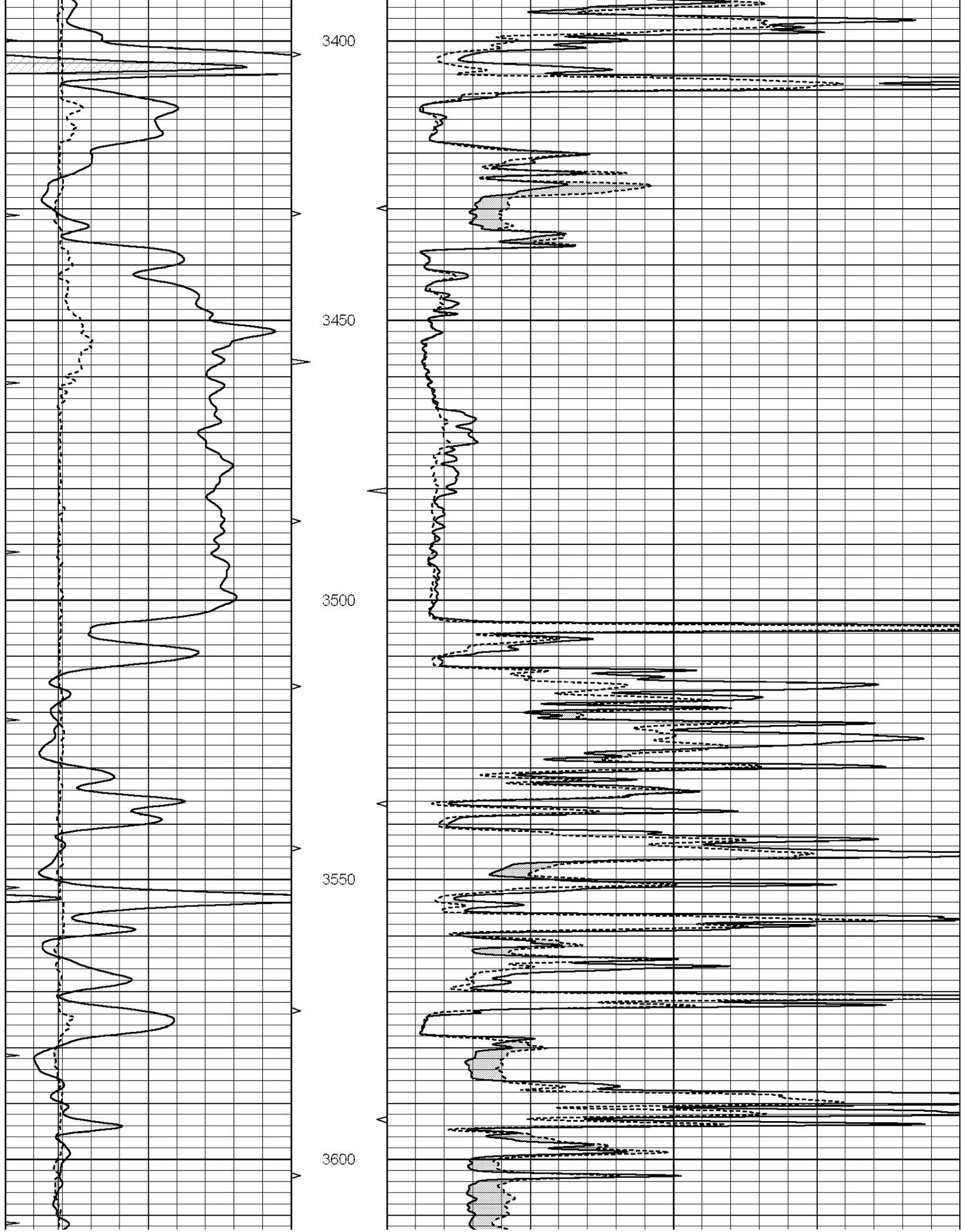
**Comments**

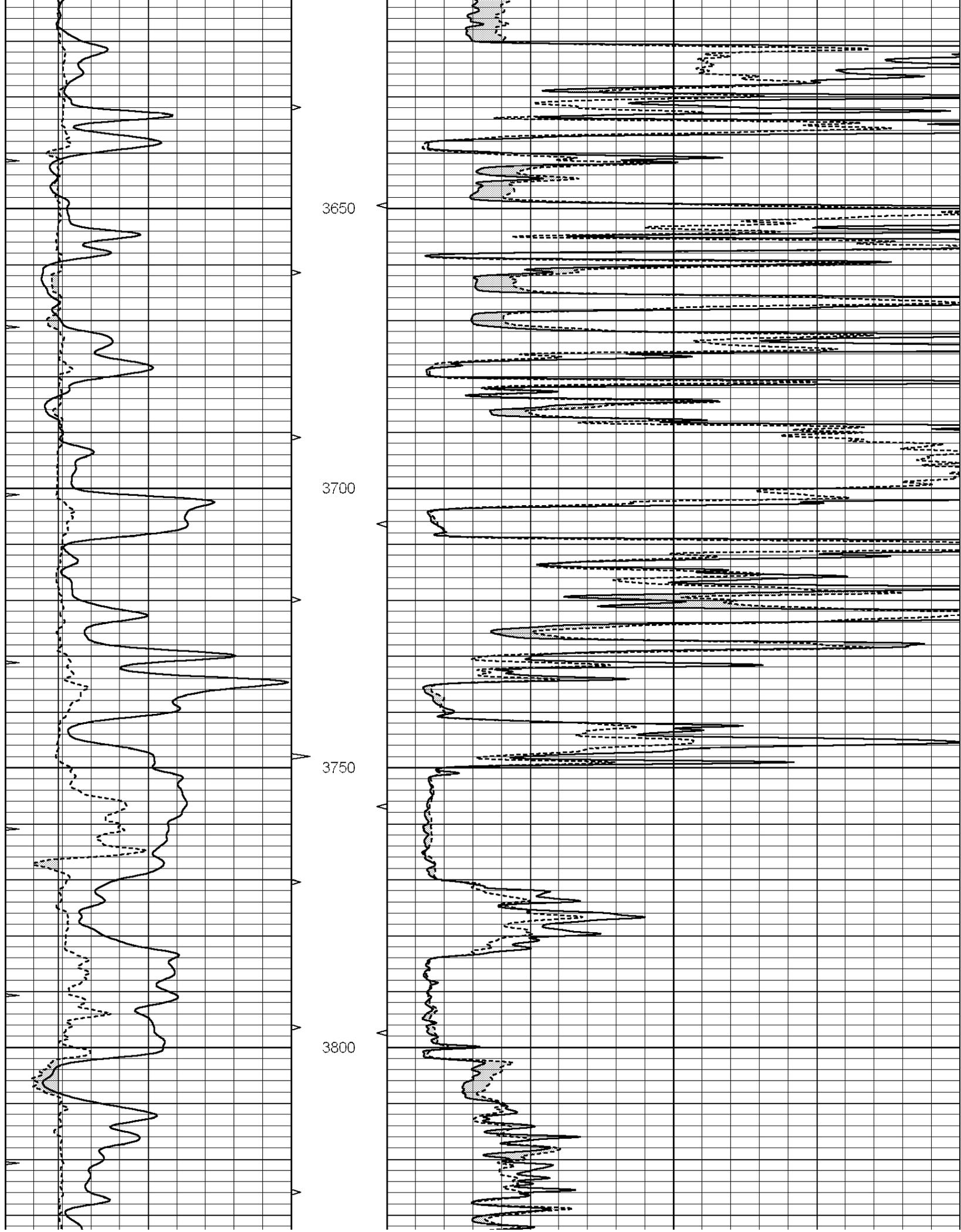
**NABORS COMPLETION & PRODUCTION SERVICES**  
785-628-6395  
**THANK YOU FOR YOUR BUSINESS**  
DIRECTIONS: LARNED, KS - SOUTH TO HWY 19 - 2 MILES EAST TO RD 90  
2 MILES SOUTH ON LEASE RD

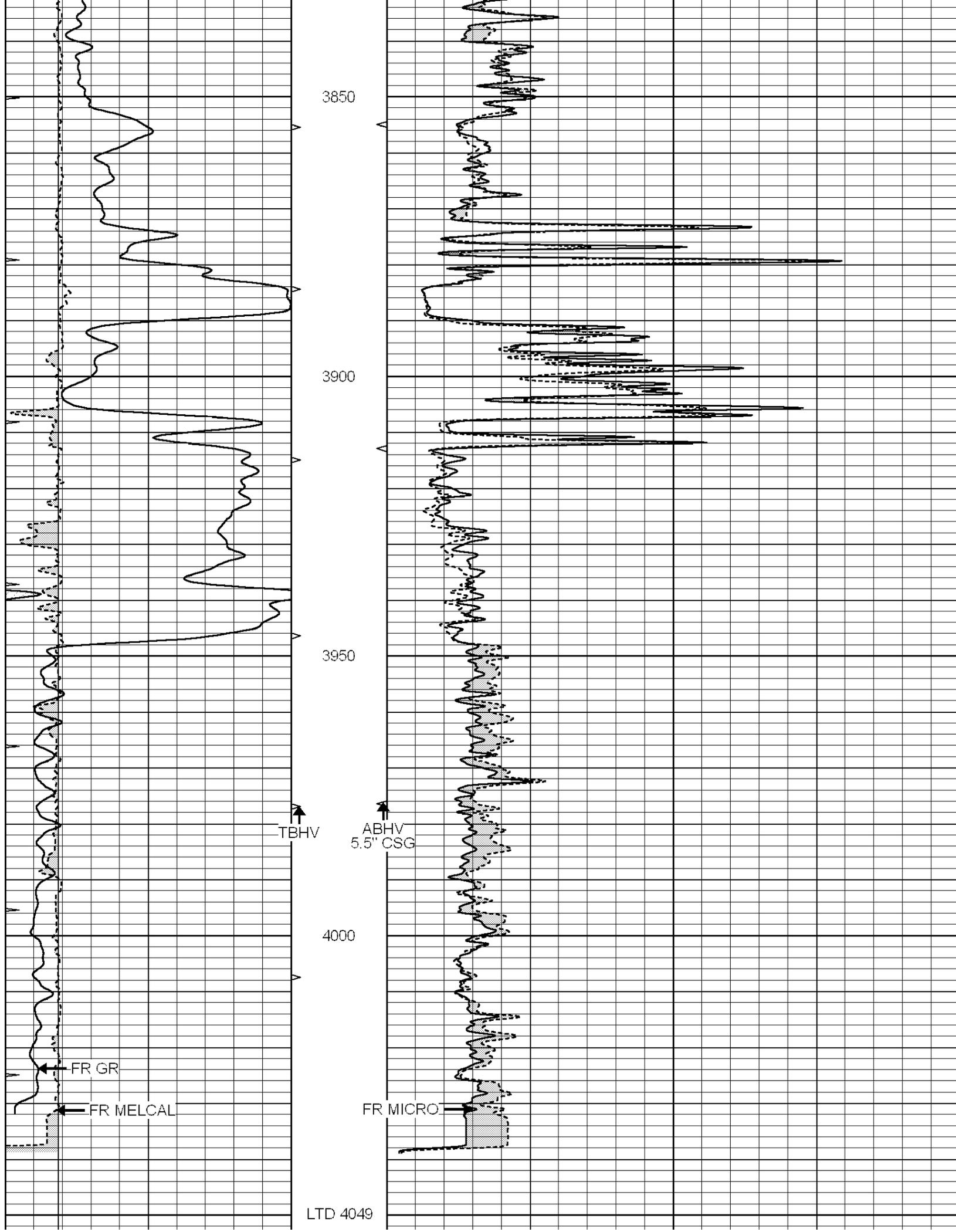
0	GAMMA RAY (GAPI)	150
6	MELCAL (in)	16
0	MINMK	20

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









3850

3900

3950

4000

TBHV

ABHV  
5.5" CSG

FR GR

FR MELCAL

FR MICRO

LTD 4049

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

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

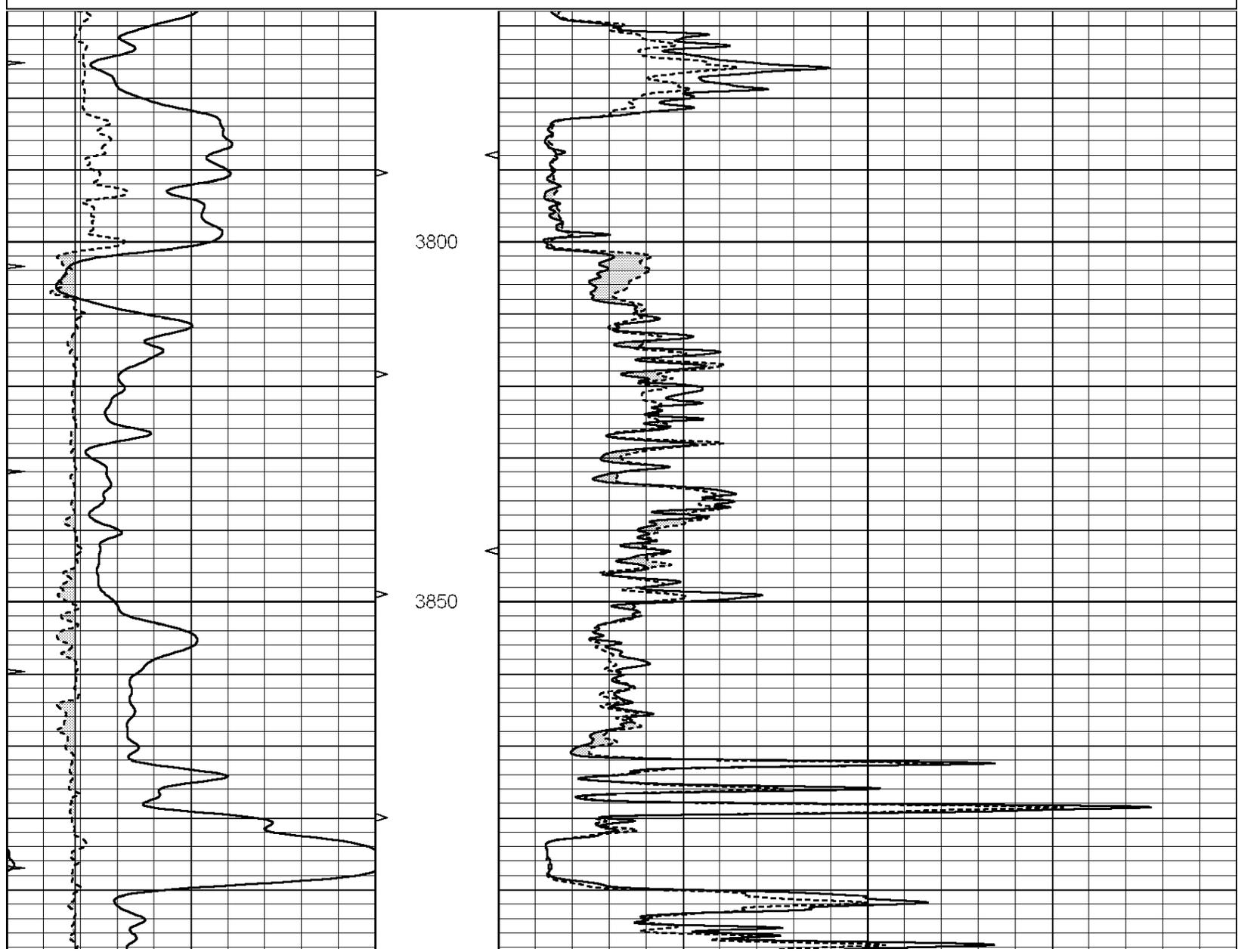


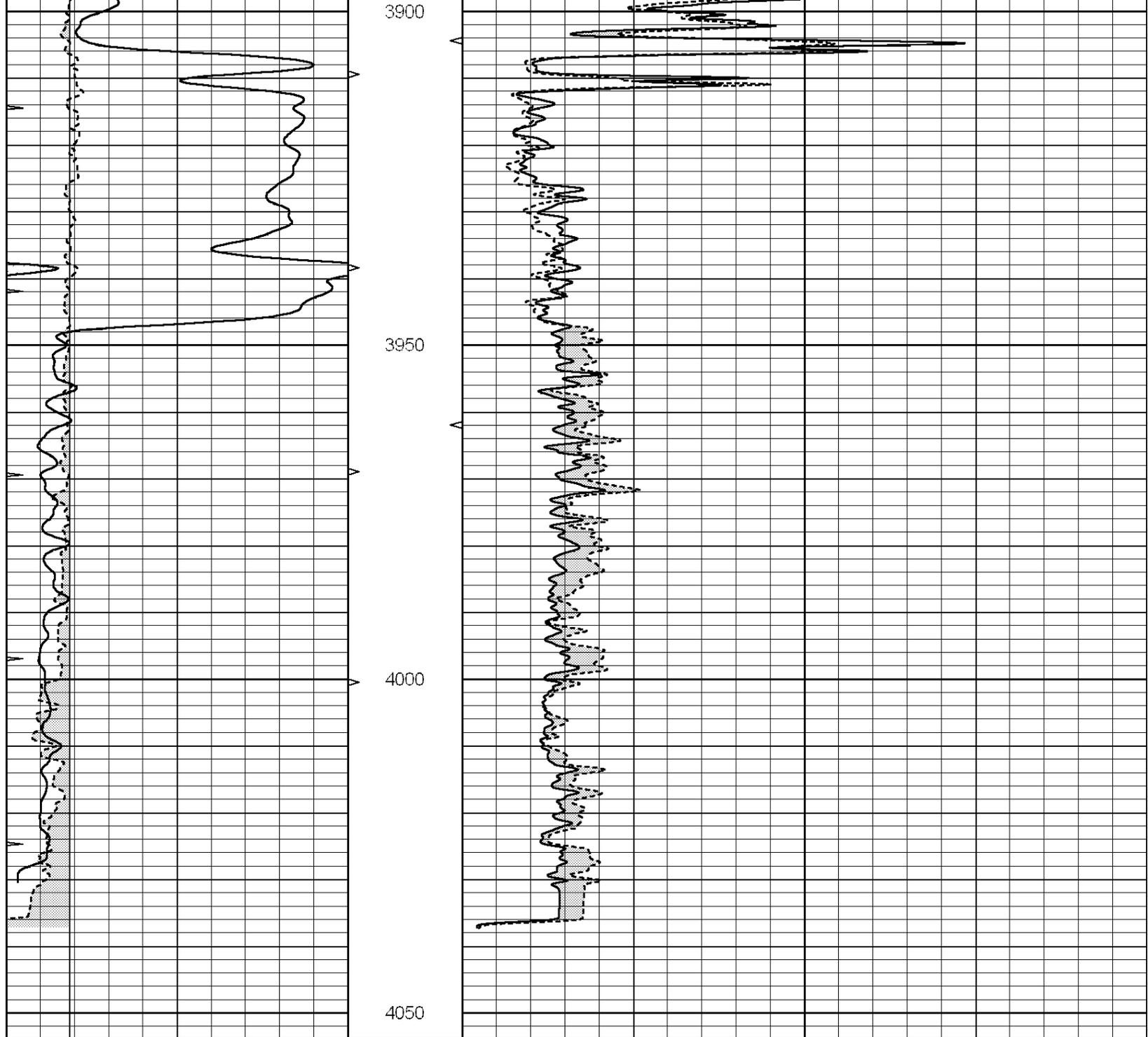
# REPEAT SECTION

Database File: 24146ddn.db  
 Dataset Pathname: pass5.4  
 Presentation Format: \_micro  
 Dataset Creation: Tue Apr 29 16:09:43 2014 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





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: 24146ddn.db  
 Dataset Pathname: pass6.2  
 Dataset Creation: Tue Apr 29 16:07:13 2014 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO5  
 Tool Model: PROBE  
 Performed: Fri Apr 18 23:17:16 2014

Caliner Calibration: Gain=3.536 Offset=-6.000

Caliper Calibration:	Gain=0.000	Offset=0.000
References	Low Cal 6.200	High Cal 15.000
Readings	3.737	5.660

1.5" Calibration:	Gain=20.334	Offset=0.850
References	Low Cal 0.000	High Cal 20.000
Readings	0.025	1.009

2" Calibration:	Gain=25.398	Offset=1.000
References	Low Cal 0.000	High Cal 20.000
Readings	0.014	0.802

### Gamma Ray Calibration Report

Serial Number:	GR2	
Tool Model:	OPEN	
Performed:	Tue Apr 01 21:06:00 2014	
Calibrator Value:	200.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	740.0	cps
Sensitivity:	0.3000	GAPI/cps