NABORS COMPLETION & PRODUCTION SERVICES CO.

MICRO LOG

Company	DOWNING-NELSON OIL COMPANY, INC.
Well	HILLMAN-DUBACH #1-31
Field	WILDCAT
County	TREGO
State	KANSAS

Company DOWNING-NELSON OIL COMPANY, INC.

Well HILLMAN-DUBACH #1-31

Field WILDCAT

County TREGO State KANSAS

Location: API # : 15-195-22809-0000
600' FNL & 270' FEL
SE - NE - NE - NE
SEC 31 TWP 12S RGE 21W

Other Services
CDL/CNL
DIL/SON

Permanent Datum GROUND LEVEL Elevation 2275
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2283
D.F. 2281
G.L. 2275

Date	10/7/12		
Run Number	TWO		
Depth Driller	4048		
Depth Logger	4048		
Bottom Logged Interval	4030		
Top Log Interval	3250		
Casing Driller	8 5/8" @ 219		
Casing Logger	217		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 1000 PPM	
Density / Viscosity	9.0/53		
pH / Fluid Loss	10.0/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.0 @ 55F		
Rmf @ Meas. Temp	.75 @ 55F		
Rmc @ Meas. Temp	1.20 @ 55F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.47 @ 117F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	117F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	AL DOWNING		

<<< Fold Here >>>

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
HWY 40 & RIGA ELEVATOR - 1 W. - 1 1/4 N. - 1 W. - S. INTO

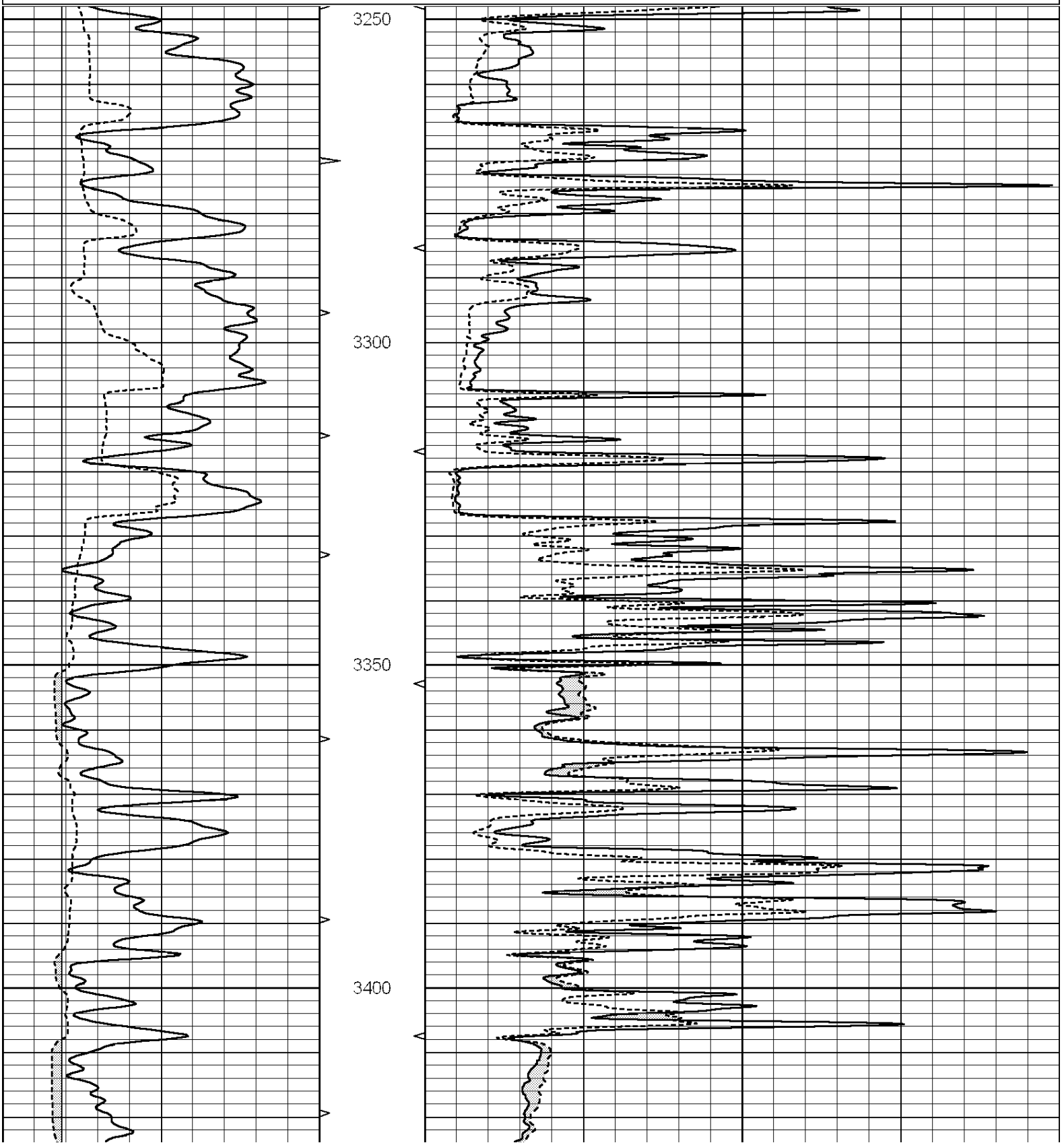
NABORS COMPLETION & PRODUCTION SERVICES CO.

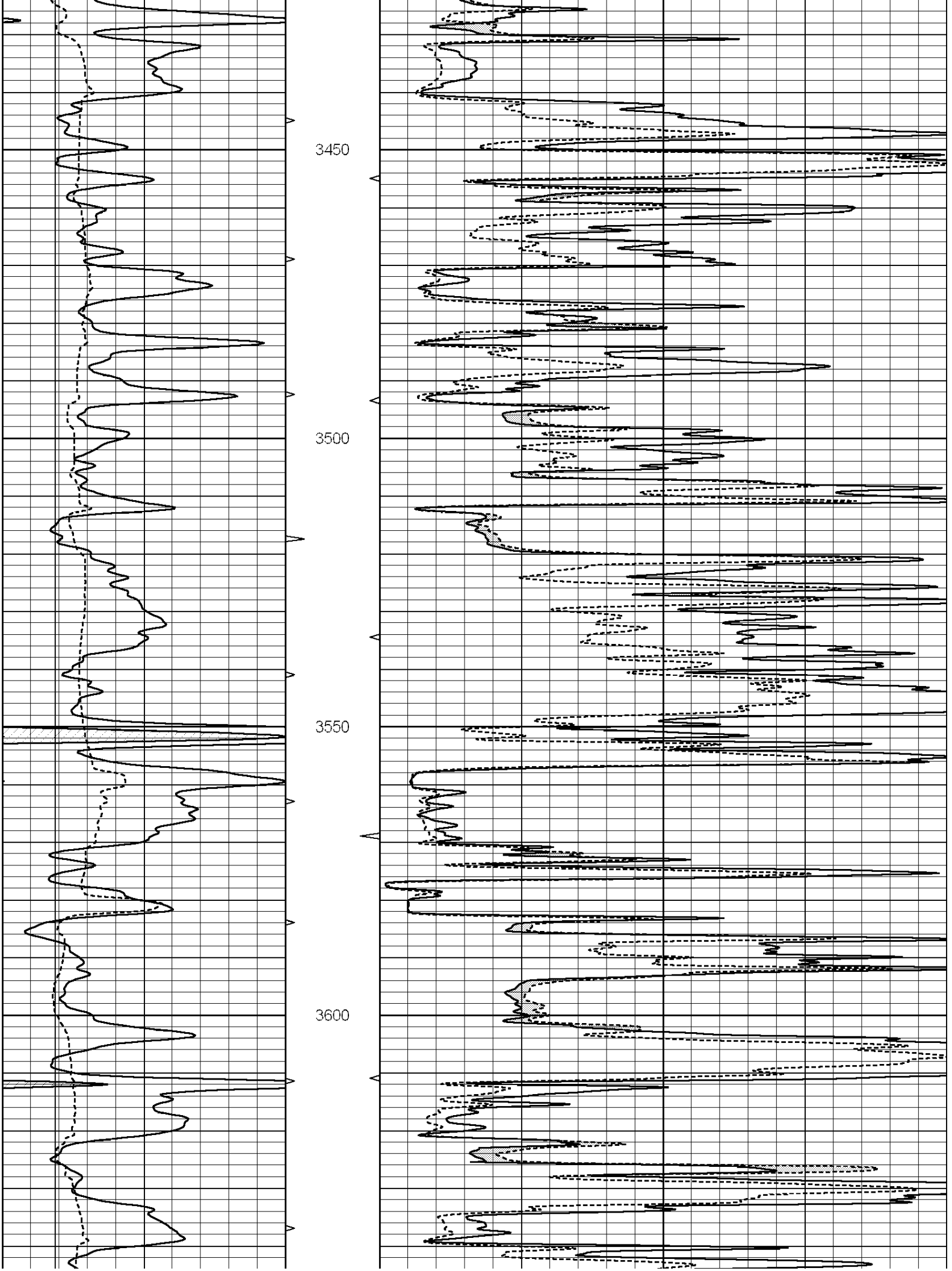
MAIN SECTION

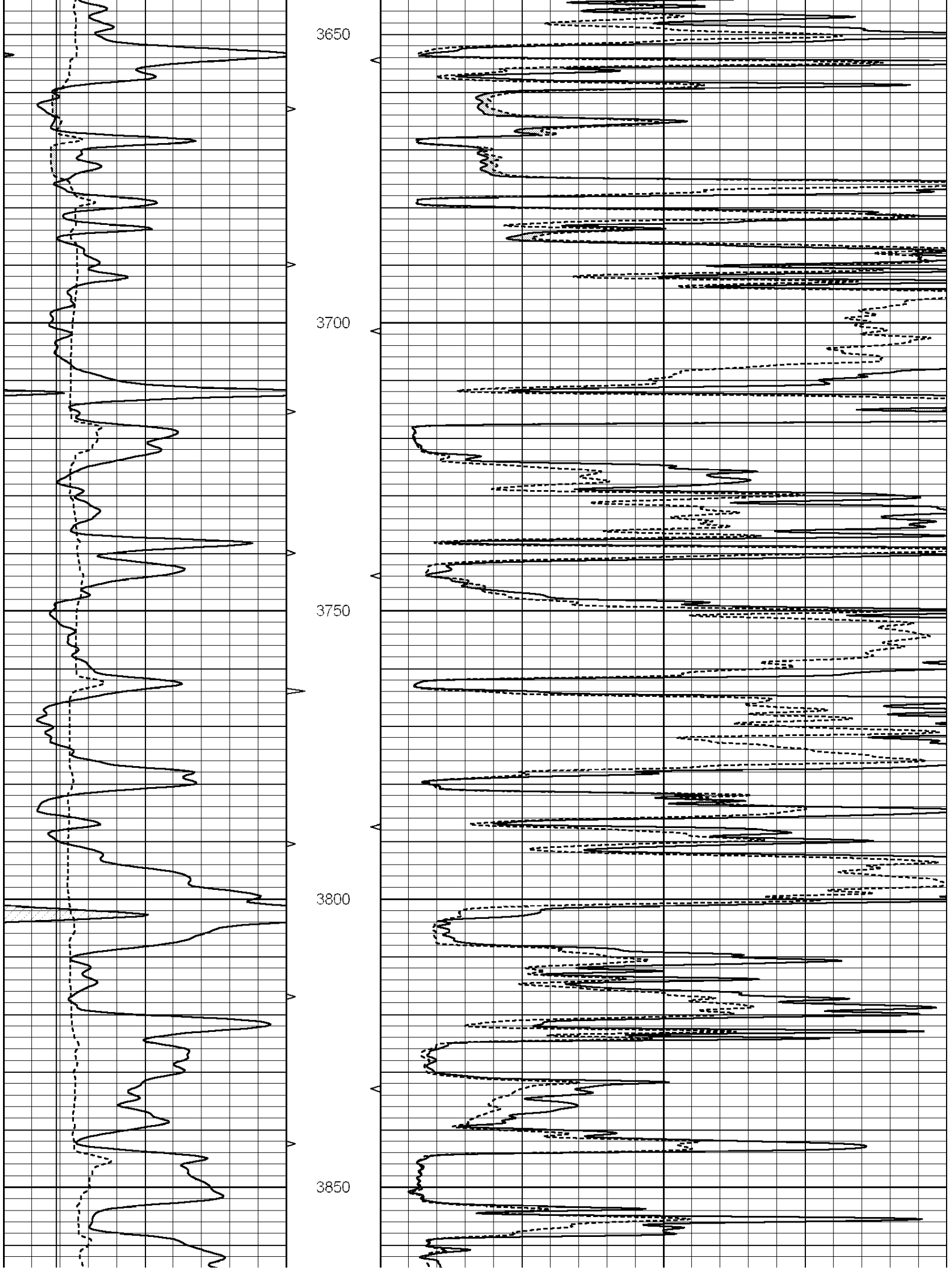
SERVICES CO.

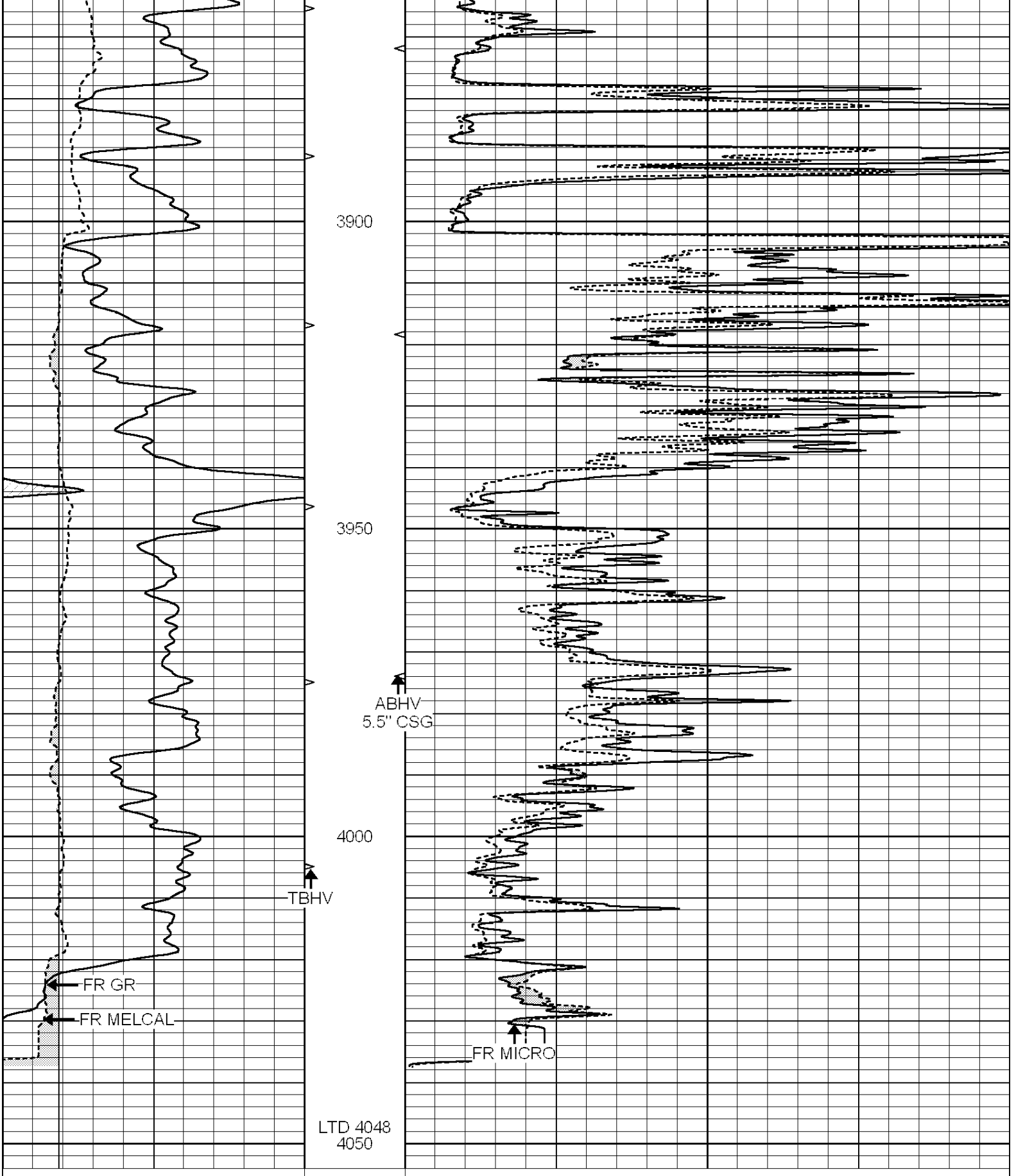
Database File:	009744ddn.db
Dataset Pathname:	pass7.1
Presentation Format:	_micro
Dataset Creation:	Sun Oct 07 09:34:44 2012 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240

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	




3450
3500
3550
3600


3650
3700
3750
3800
3850


3900
3950
4000
ABHV
5.5" CSG
TBHV
FR GR
FR MELCAL
FR MICRO
LTD 4048
4050
0 GAMMA RAY (GAPI) 150
6 CALIPER (in) 16
ABHV
10 (ft3) 0
TBHV
0 (ft3) 10
0 MEL1.5 (Ohm-m) 40
0 MEL2.0 (Ohm-m) 40

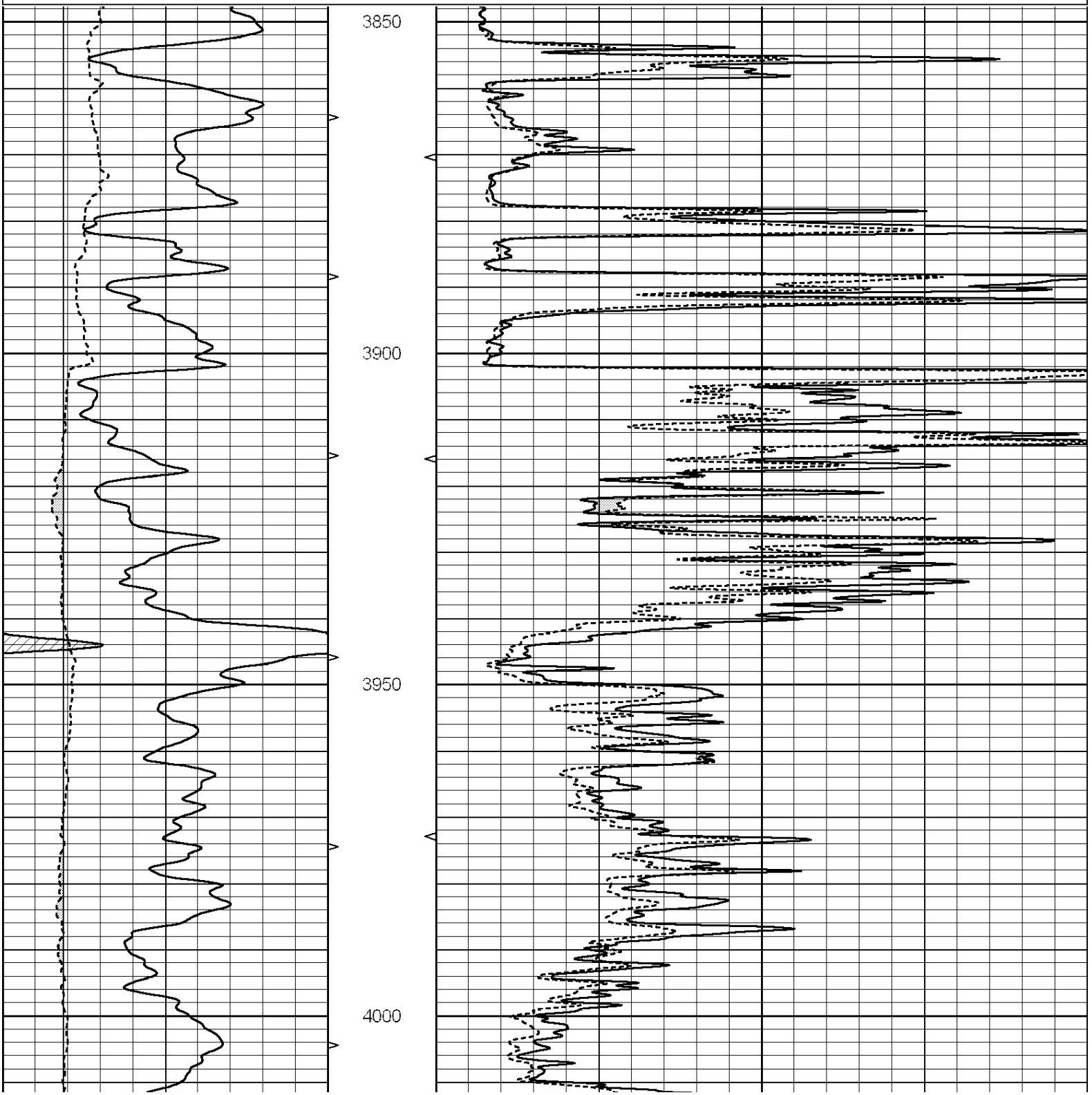
NABORS

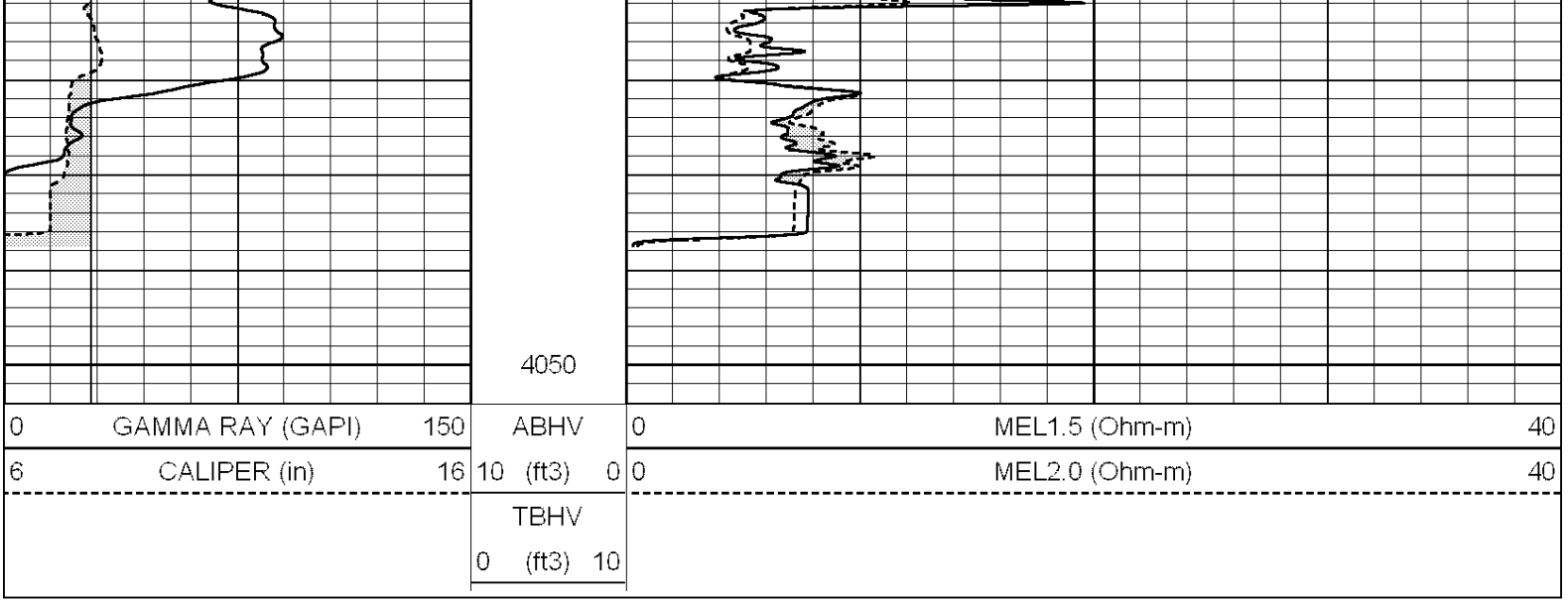
NABORS
COMPLETION
& PRODUCTION
SERVICES CO.

REPEAT SECTION

Database File:	009744ddn.db
Dataset Pathname:	pass6.1
Presentation Format:	_micro
Dataset Creation:	Sun Oct 07 09:29:00 2012 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: 009744ddn.db
Dataset Pathname: pass6.1
Dataset Creation: Sun Oct 07 09:29:00 2012 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number:	MICRO6	
Tool Model:	PROBE	
Performed:	Thu Aug 16 14:43:41 2012	
Caliper Calibration:	Gain=6.253	Offset=-1.608
	Low Cal	High Cal
References	5.800	13.000
Readings	1.178	2.330
1.5" Calibration:	Gain=30.075	Offset=0.300
	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	1.196
2" Calibration:	Gain=30.041	Offset=0.500
	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