NABORS COMPLETION & PRODUCTION SERVICES CO.

MICRO LOG

Company	L.D. DRILLING, INC.
Well	POLZIN - FYLER UNIT #1-22
Field	LAUD SOUTHWEST
County	BARTON
State	KANSAS

Company L.D. DRILLING, INC.

Well POLZIN - FYLER UNIT #1-22

Field LAUD SOUTHWEST

County BARTON State KANSAS

Location: API # : 15-009-26088-0000

127' FSL & 1713' FWL

SE - SW - SE - SW

SEC 22 TWP 18S RGE 14W

Other Services: CDL/CNL, DIL/SONIC

Permanent Datum: GROUND LEVEL Elevation 1907

Log Measured From: KELLY BUSHING 5' A.G.L.

Drilling Measured From: KELLY BUSHING

Elevation: K.B. 1912, D.F. 1910, G.L. 1907

Date	4/17/15		
Run Number	TWO		
Depth Driller	3535		
Depth Logger	3538		
Bottom Logged Interval	3516		
Top Log Interval	2800		
Casing Driller	8 5/8" @ 854		
Casing Logger	851		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8500 PPM	
Density / Viscosity	9.3/53		
pH / Fluid Loss	9.5/10.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.50 @ 68F		
Rmf @ Meas. Temp	.37 @ 68F		
Rmc @ Meas. Temp	1..59 @ 68F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.30 @ 112F		
Time Circulation Stopped	4 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	112F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI	BLAKE WAGGONER	
Witnessed By	KURT TALBOTT		

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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:

FROM HWY 281 & HWY 4 GO 4 MILES SOUTH TO CURVE - 1 WEST - 1 SOUTH - 1/2 EAST - NORTH INTO

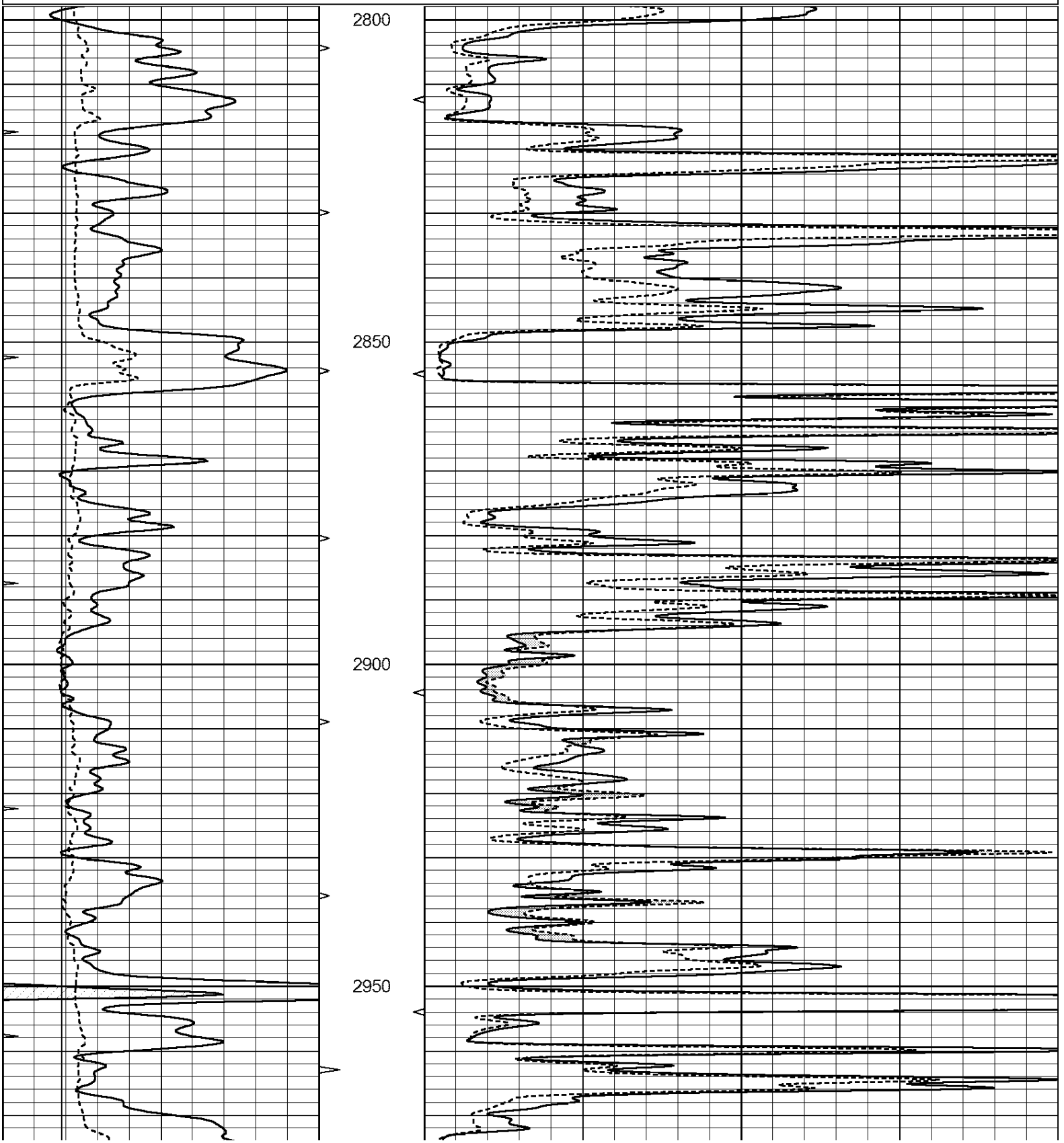
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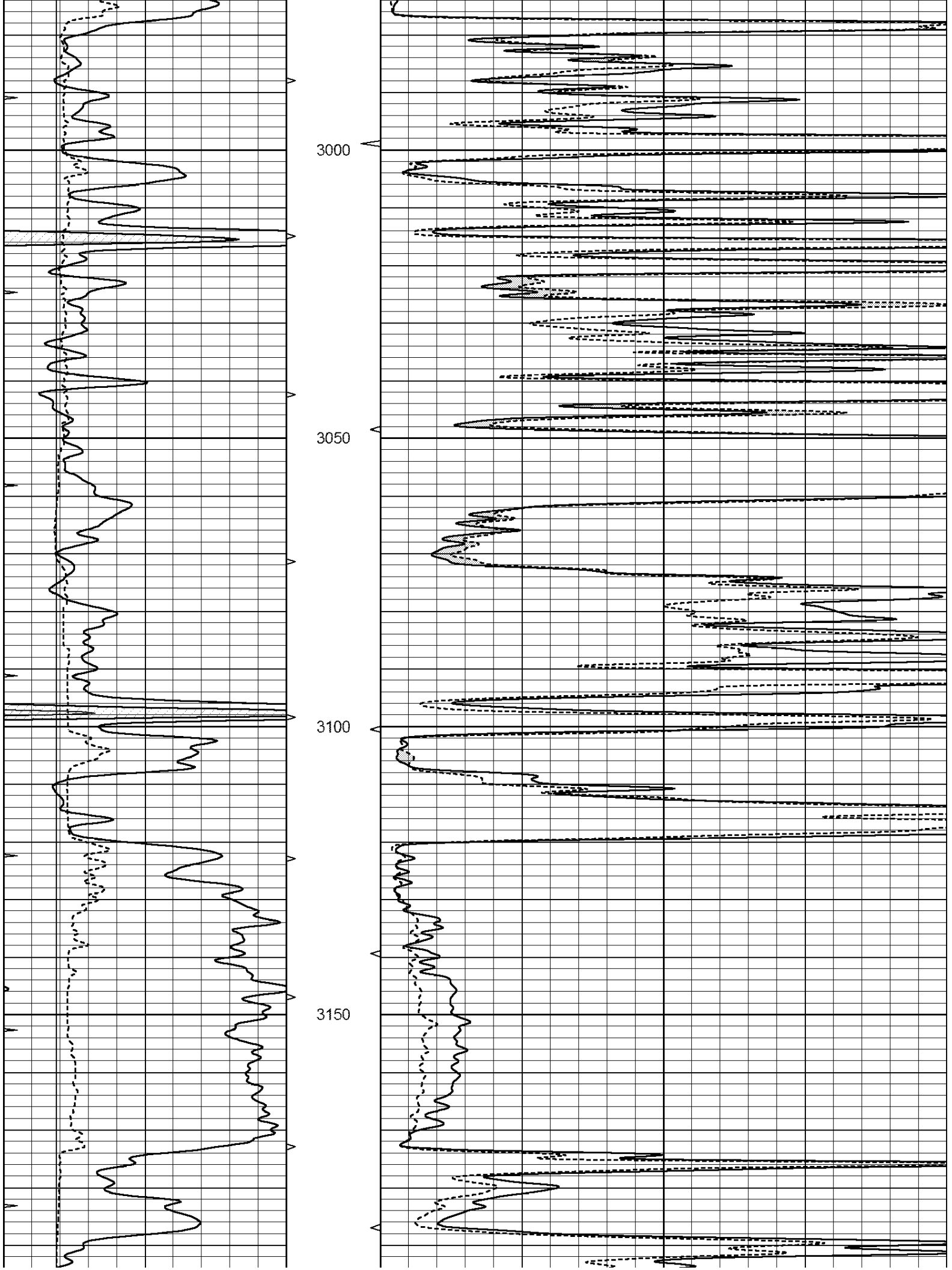
MAIN SECTION

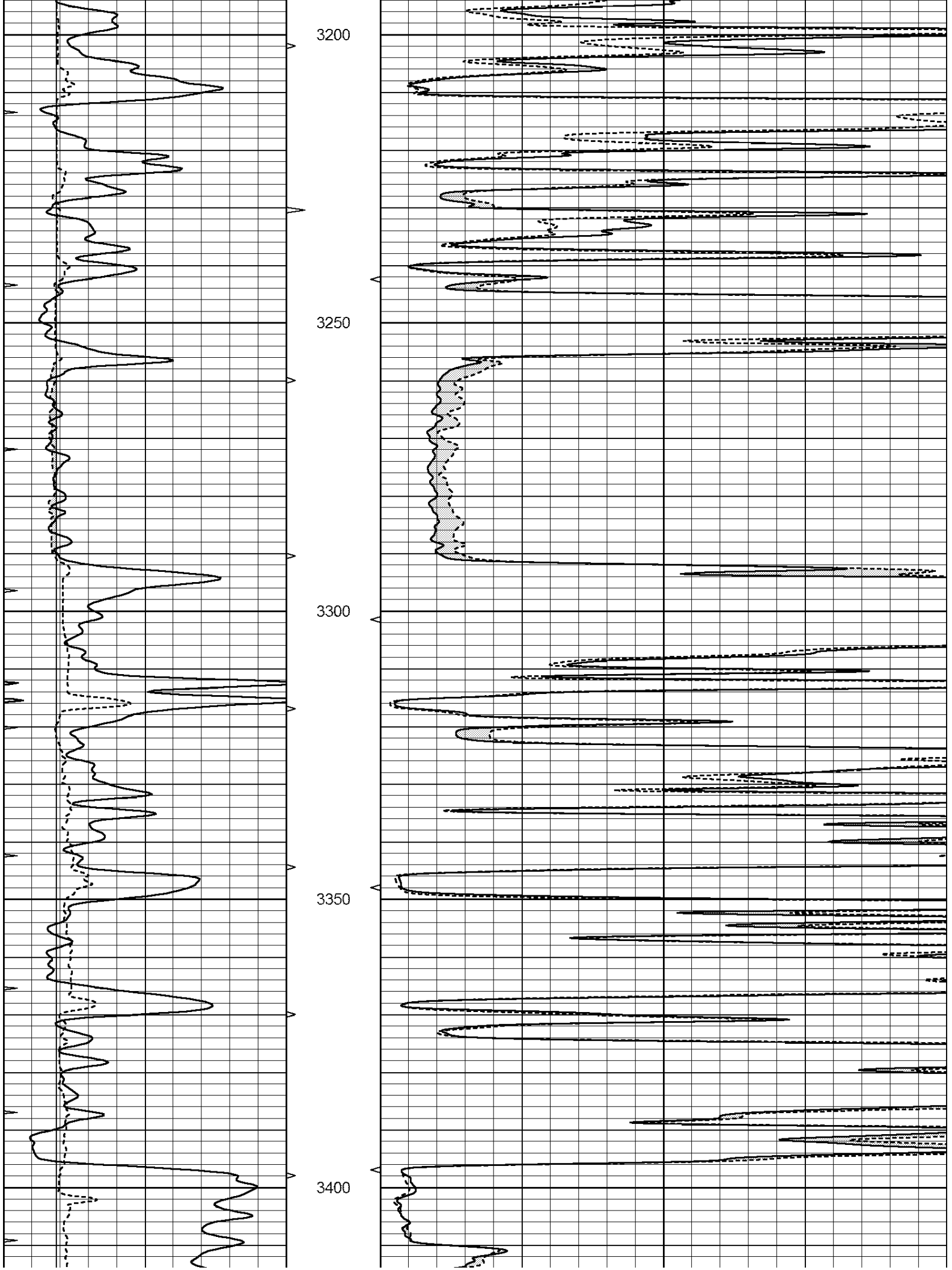
SERVICES CO.

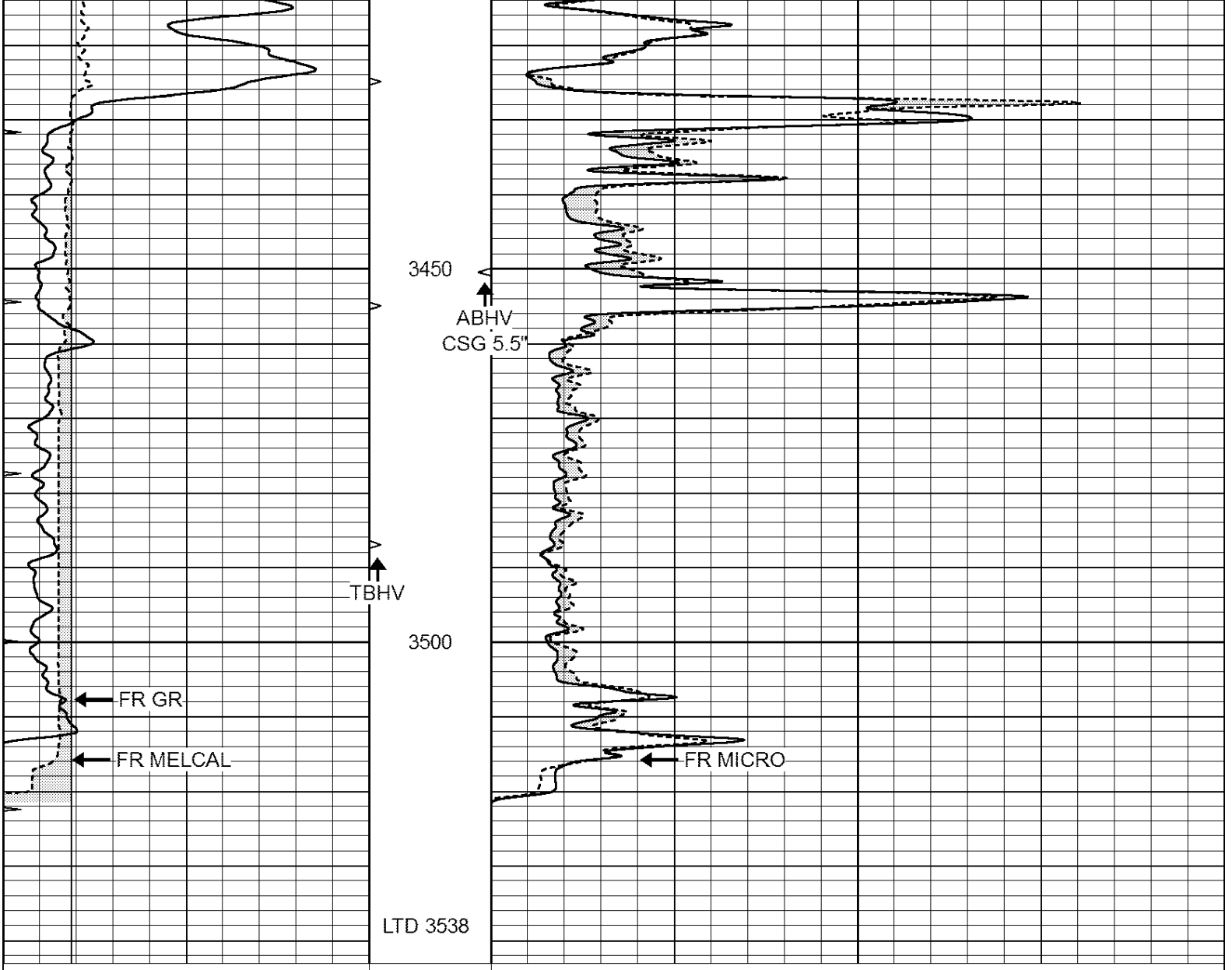
Database File: 30500ddn.db
Dataset Pathname: pass6.2
Presentation Format: _micro
Dataset Creation: Fri Apr 17 11:27:59 2015 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

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			




3000
3050
3100
3150


3200
3250
3300
3350
3400



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			

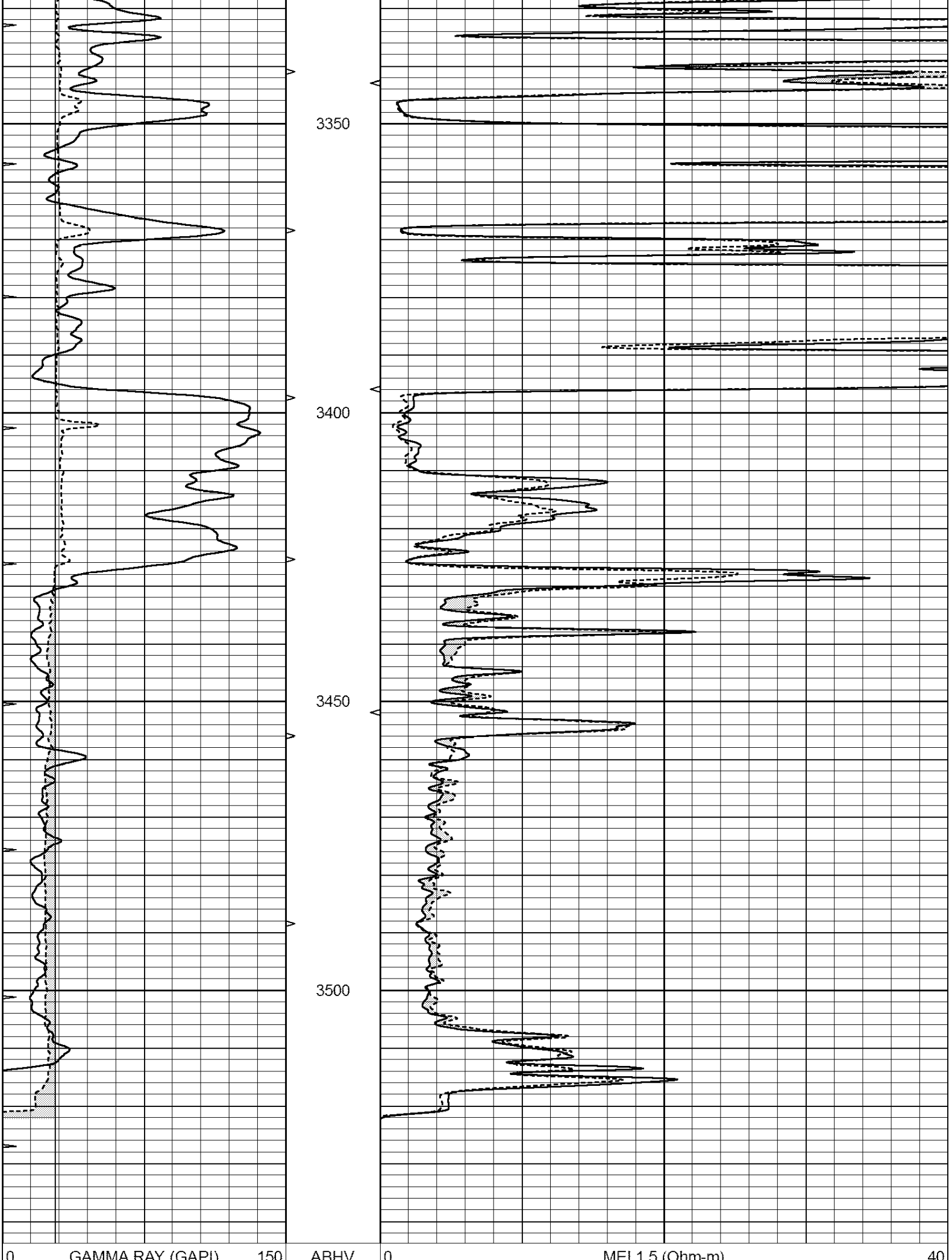
NABORS
COMPLETION & PRODUCTION SERVICES CO.

REPEAT SECTION

Database File: 30500ddn.db
Dataset Pathname: pass5.0.2
Presentation Format: _micro
Dataset Creation: Fri Apr 17 10:55:45 2015 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			




3350
3400
3450
3500
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			

Calibration Report

Database File: 30500ddn.db
Dataset Pathname: pass5.0.2
Dataset Creation: Fri Apr 17 10:55:45 2015 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number:	MICRO3	
Tool Model:	PROBE	
Performed:	Thu Apr 02 11:07:38 2015	
Caliper Calibration:	Gain=3.853	Offset=-9.700
	Low Cal	High Cal
References	7.000	14.000
Readings	4.182	5.998
1.5" Calibration:	Gain=100.000	Offset=0.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	0.228
2" Calibration:	Gain=150.553	Offset=-1.220
	Low Cal	High Cal
References	0.000	20.000
Readings	0.005	0.175

Gamma Ray Calibration Report

Serial Number:	GR6	
Tool Model:	OPEN	
Performed:	Sun Mar 08 22:55:40 2015	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	276.0	cps
Sensitivity:	0.8000	GAPI/cps