



**COMPLETION
& PRODUCTION
SERVICES CO.**

**COMPENSATED
DENSITY / NEUTRON
LOG**

Company **DOUBLE D'S LLC.**
Well **REICHERT #3**
Field **MARTINA**
County **ELLIS** State **KANSAS**

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Location: **API # : 15-051-26553**
1610' FNL & 830' FEL
SEC 23 TWP 15S RGE 19W
Permanent Datum **GROUND LEVEL** Elevation **1981**
Log Measured From **KELLY BUSHING 6' A.G.L.**
Drilling Measured From **KELLY BUSHING**

Other Services
**DIL
MICRO**

Elevation
K.B. 1987
D.F.
G.L. 1981

Date	7-1-13		
Run Number	ONE		
Depth Driller	3751		
Depth Logger	3750		
Bottom Logged Interval	3726		
Top Log Interval	2900		
Casing Driller	1169		
Casing Logger	1165		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.1 / 55		
pH / Fluid Loss	10.5 / 7.2		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.85 @ 81F		
Rmf @ Meas. Temp	0.64 @ 81F		
Rmc @ Meas. Temp	1.02 @ 81F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.610 @ 112F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	4:00 A.M.		
Maximum Recorded Temperature	112F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	ALAN DOWNING		

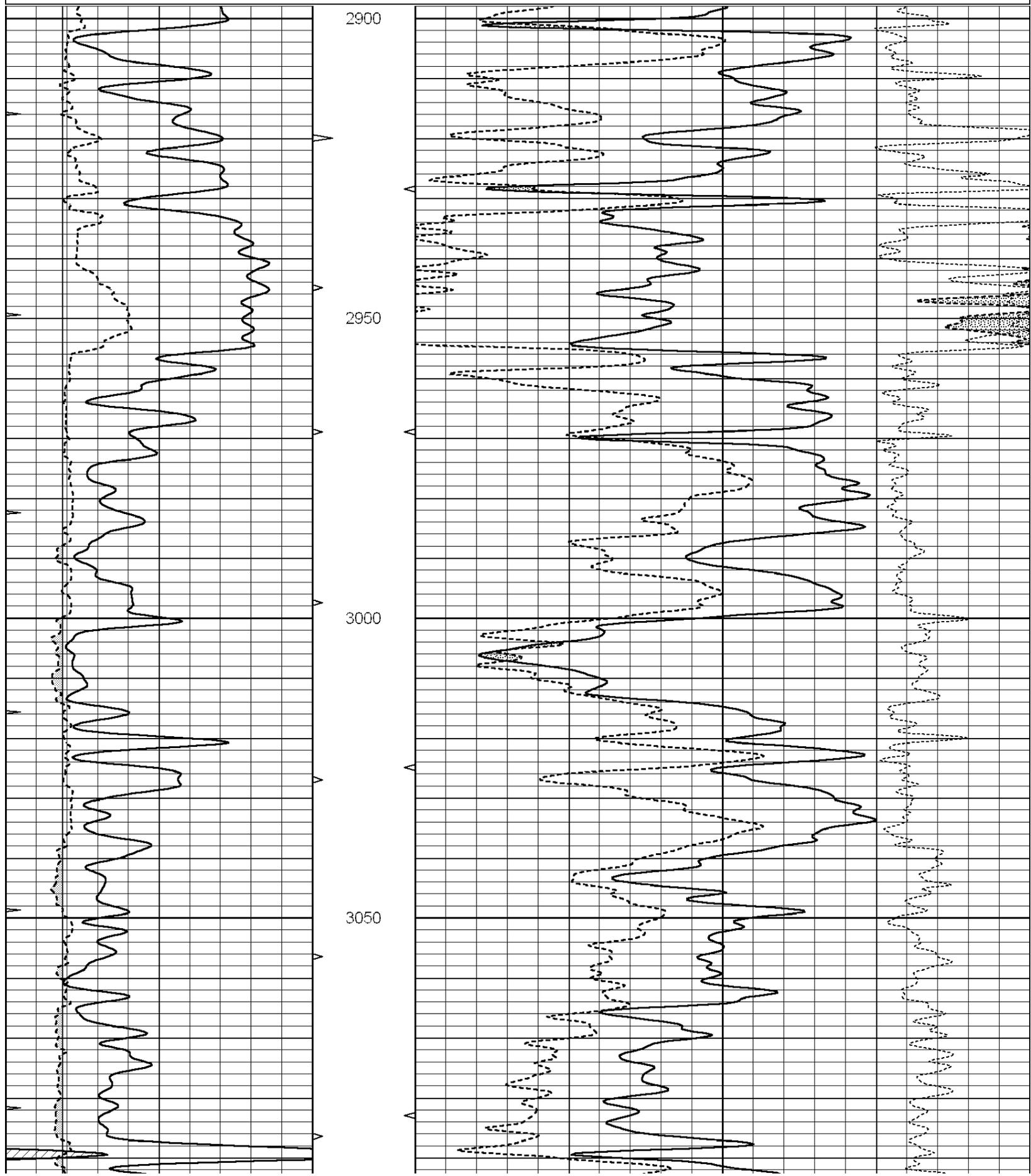
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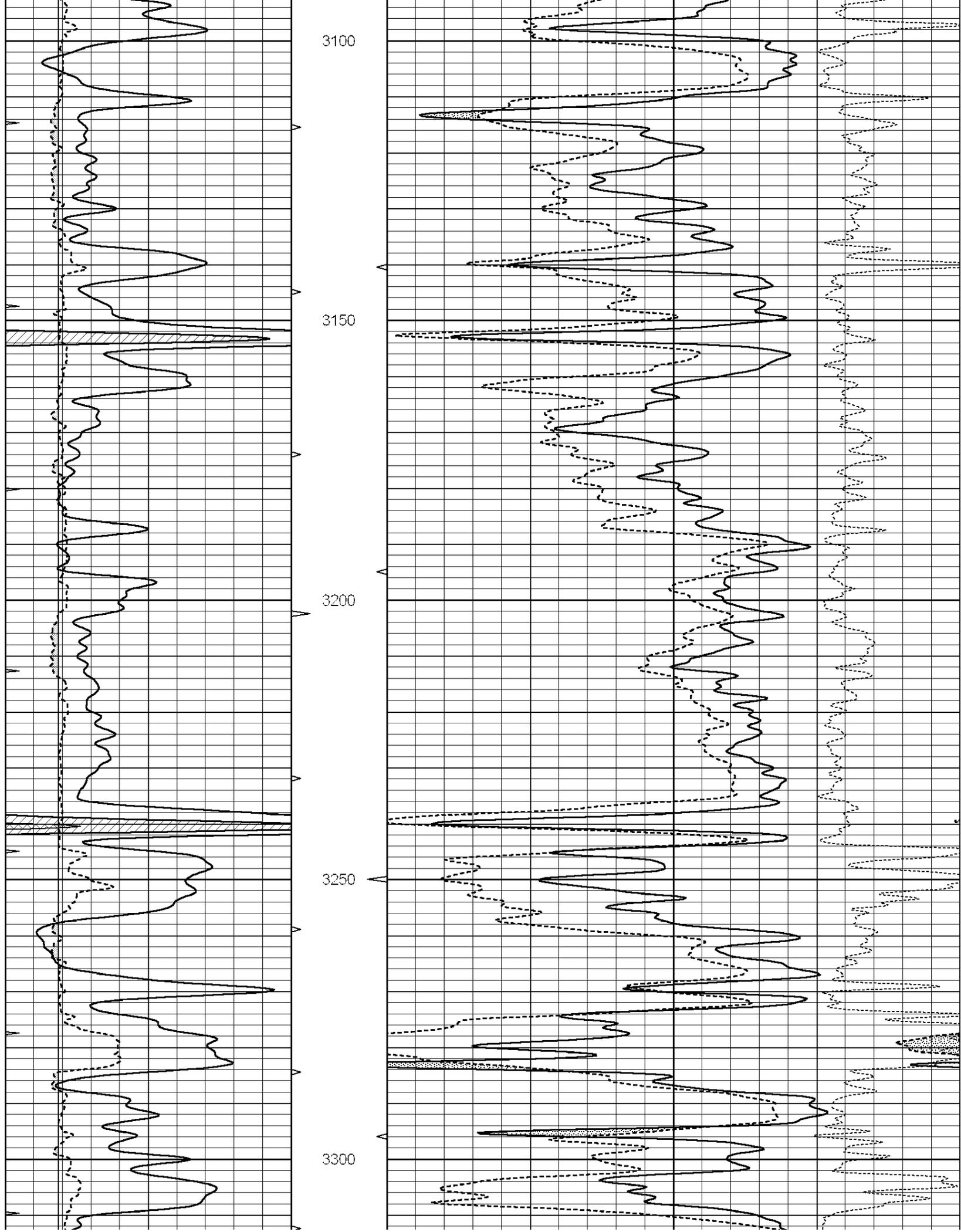
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

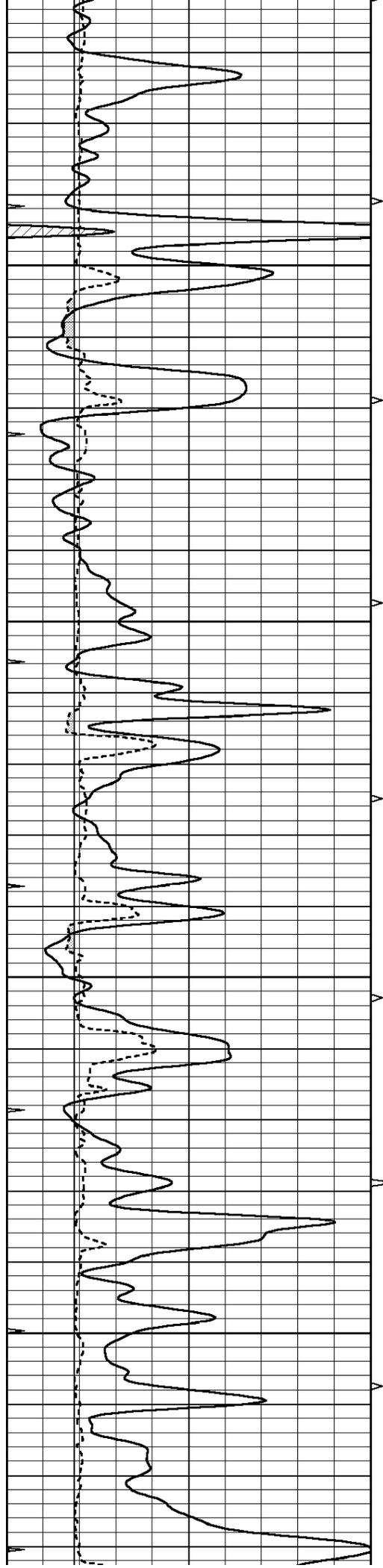
Comments

NABORS COMPLETION & PRODUCTION SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: ANTONINO, 3 1/2S, W INTO.

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10		





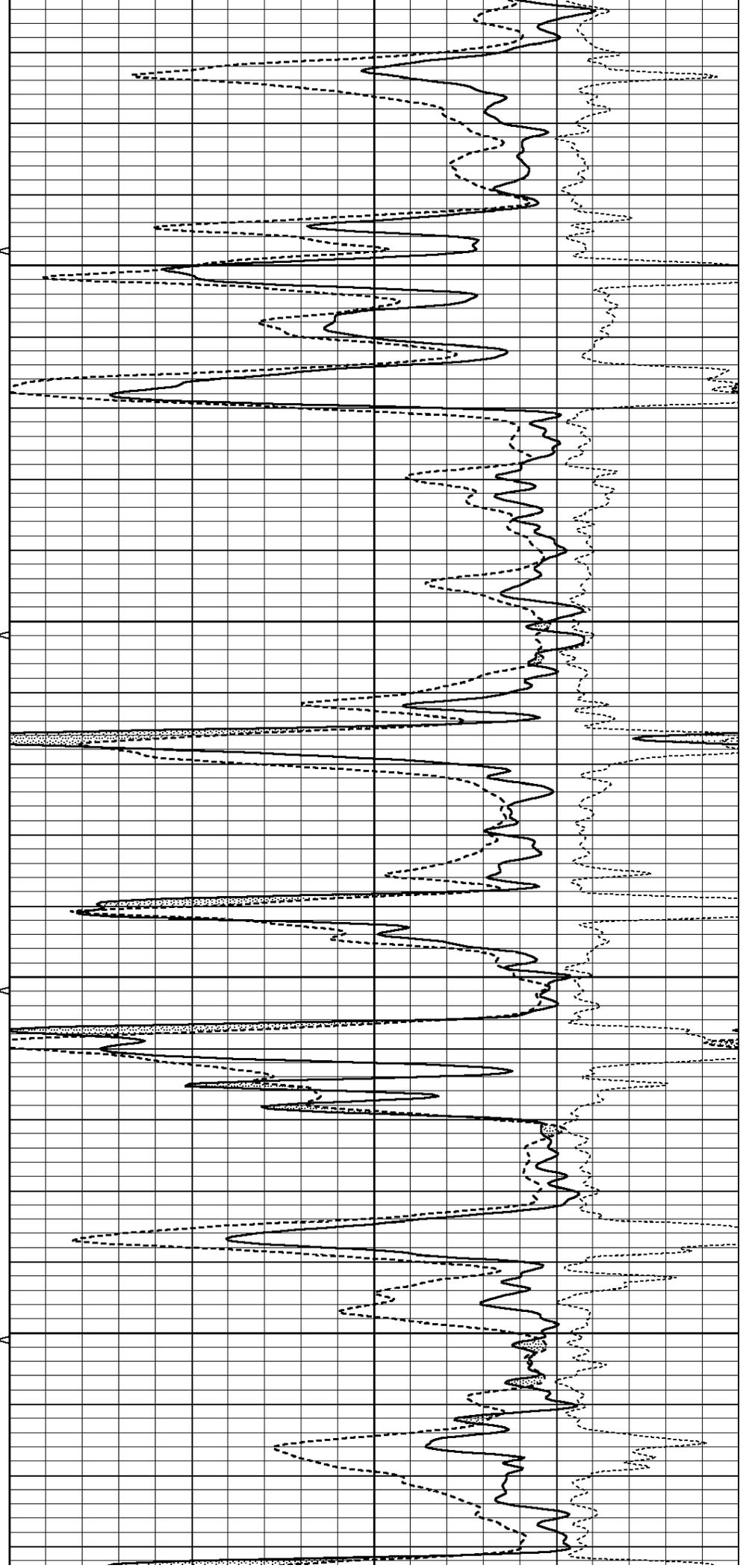


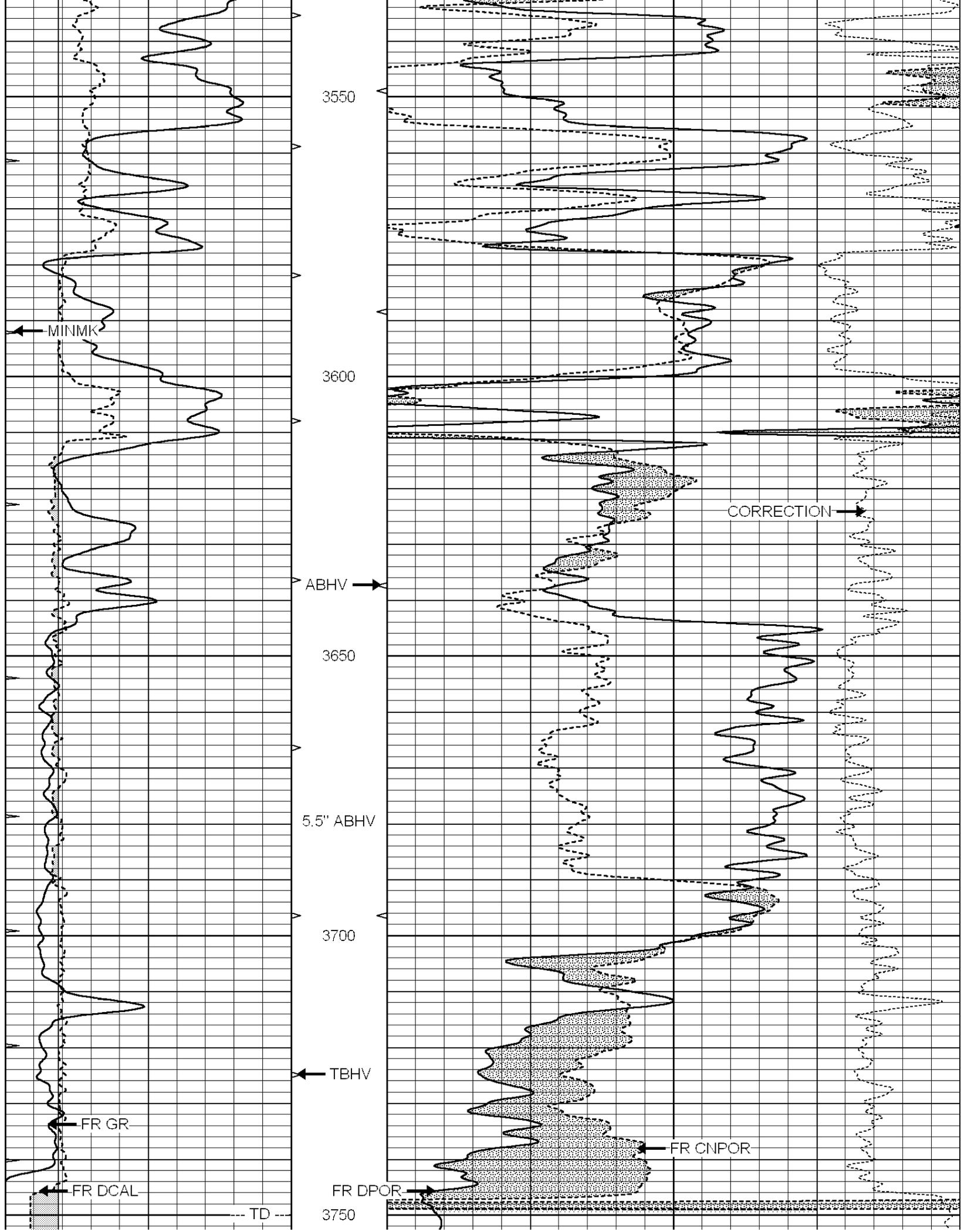
3350

3400

3450

3500

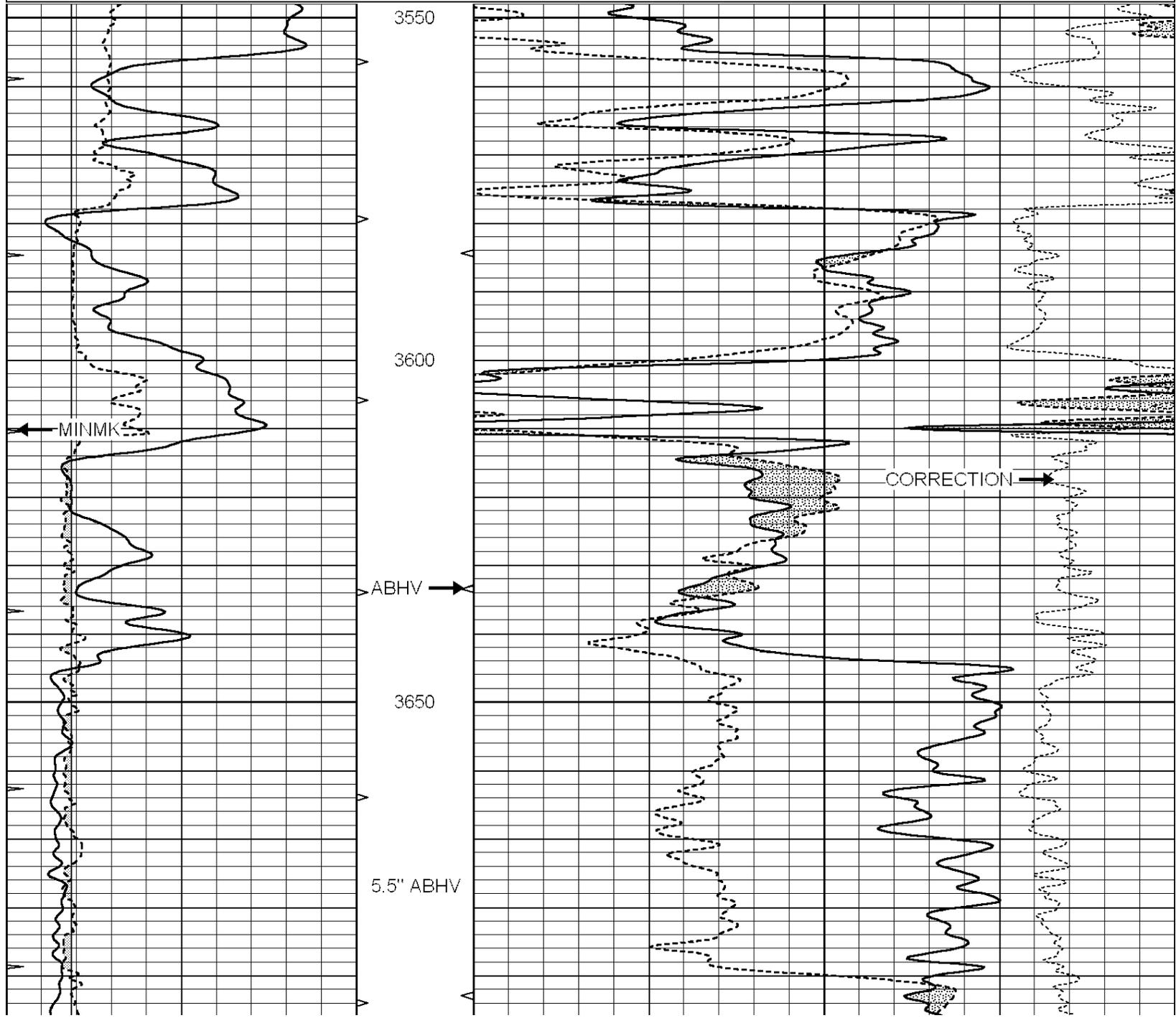


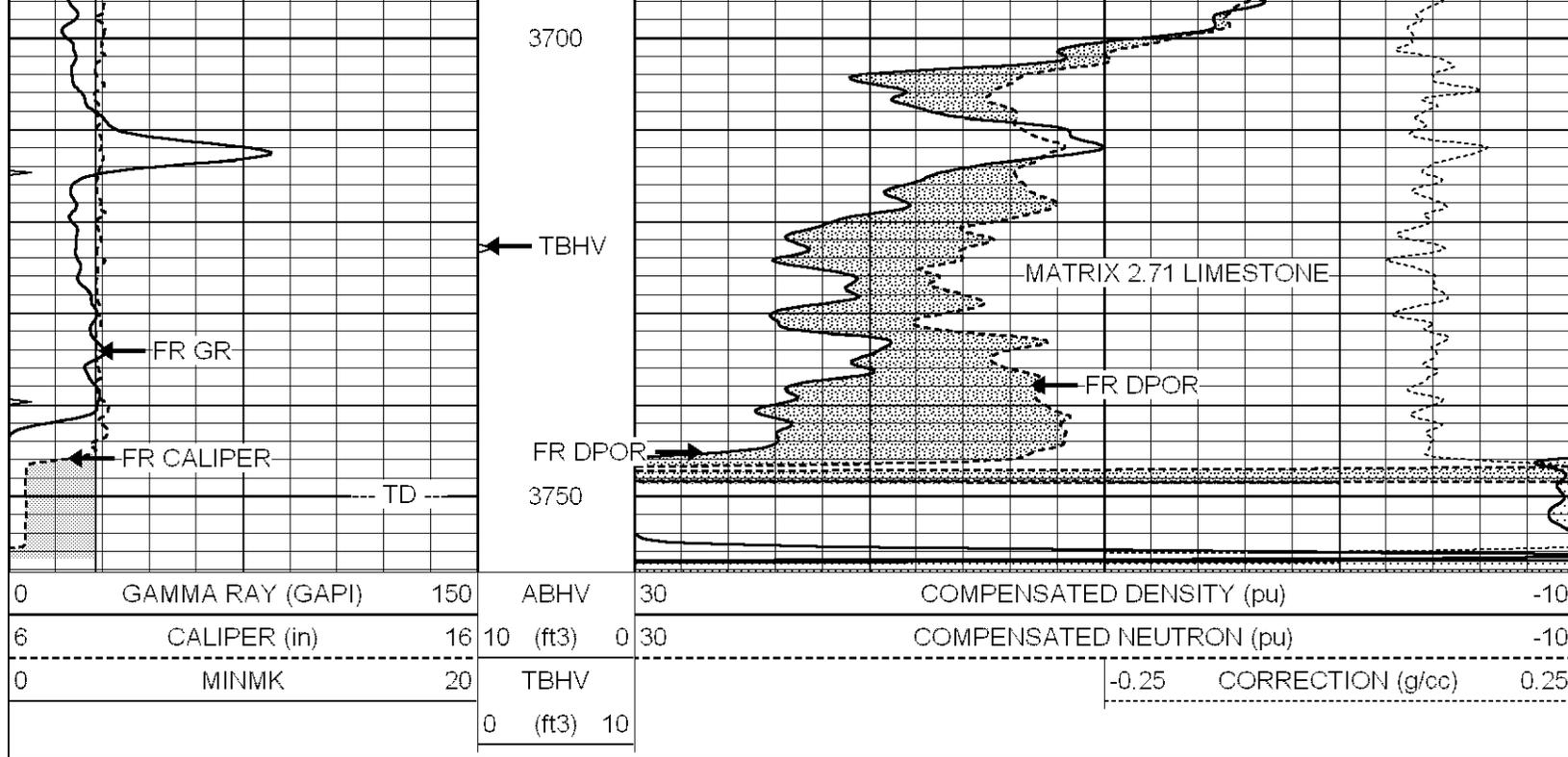


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Database File: 011352ddn.db
 Dataset Pathname: pass3.1A
 Presentation Format: _den_neu
 Dataset Creation: Mon Jul 01 06:04:27 2013 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

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			0 (ft3)	10		





Calibration Report

Database File: 011352ddn.db
 Dataset Pathname: pass4.1
 Dataset Creation: Mon Jul 01 06:01:56 2013 by Calc Open-Cased 090629

Compensated Density Calibration Report

Serial-Model: GEAR2-GEARHART
 Source / Verifier: 147 / 147
 Master Calibration Performed: Mon Jul 01 05:43:11 2013

Master Calibration

	Density		Far Detector		Near Detector	
Magnesium	1.710	g/cc	923.76		475.45	cps
Aluminum	2.600	g/cc	205.31		331.69	cps
Spine Angle = 76.54			Density/Spine Ratio = 0.576			
	Size		Reading			
Small Ring	8.40	in	5.48	V		
Large Ring	14.00	in	7.58	V		

Compensated Neutron Calibration Report

Serial Number: NEU_4I
 Tool Model: G

CALIBRATION

Detector	Readings		Target		Normalization
Short Space	1.00	cps	1.00	cps	1.0000
Long Space	1.00	cps	1.00	cps	1.0000

Gamma Ray Calibration Report

Serial Number: GR5
 Tool Model: OPEN

Performed: Mon Jul 01 05:22:08 2013

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps

Calibrator Reading: 1.0 cps

Sensitivity: 0.9000 GAPI/cps