



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY / NEUTRON
LOG

Company	MUSTANG ENERGY CORPORATION	Company	MUSTANG ENERGY CORPORATION
Well	COUTURE #3	Well	COUTURE #3
Field	MARCOTTE	Field	MARCOTTE
County	ROOKS	County	ROOKS
State	KANSAS	State	KANSAS
Location:	API # : 15-163-24036-0000 1270' FSL & 460' FWL NE - NW - SW - SW	Other Services	DIL/MEL
Permanent Datum	GROUND LEVEL	Elevation	2206
Log Measured From	KELLY BUSHING 5' A.G.L.	Elevation	K.B. 2211 D.F. 2209 G.L. 2206
Drilling Measured From	KELLY BUSHING		
Date	5/14/12		
Run Number	ONE		
Depth Driller	3837		
Depth Logger	3836		
Bottom Logged Interval	3812		
Top Log Interval	2800		
Casing Driller	8 5/8"@219'		
Casing Logger	219		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4,000 PPM	
Density / Viscosity	9.3/64		
pH / Fluid Loss	10.0/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.700@84F		
Rmt @ Meas. Temp	.525@84F		
Rmc @ Meas. Temp	.840@84F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.511@115F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	7:45 P.M.		
Maximum Recorded Temperature	115F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	JEFF LAWLER	ROD BRIN	

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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 SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS
PALCO, KS. S. ON BLKTOP TO "AA RD.", 1E., N. INTO THEN VEER EAST

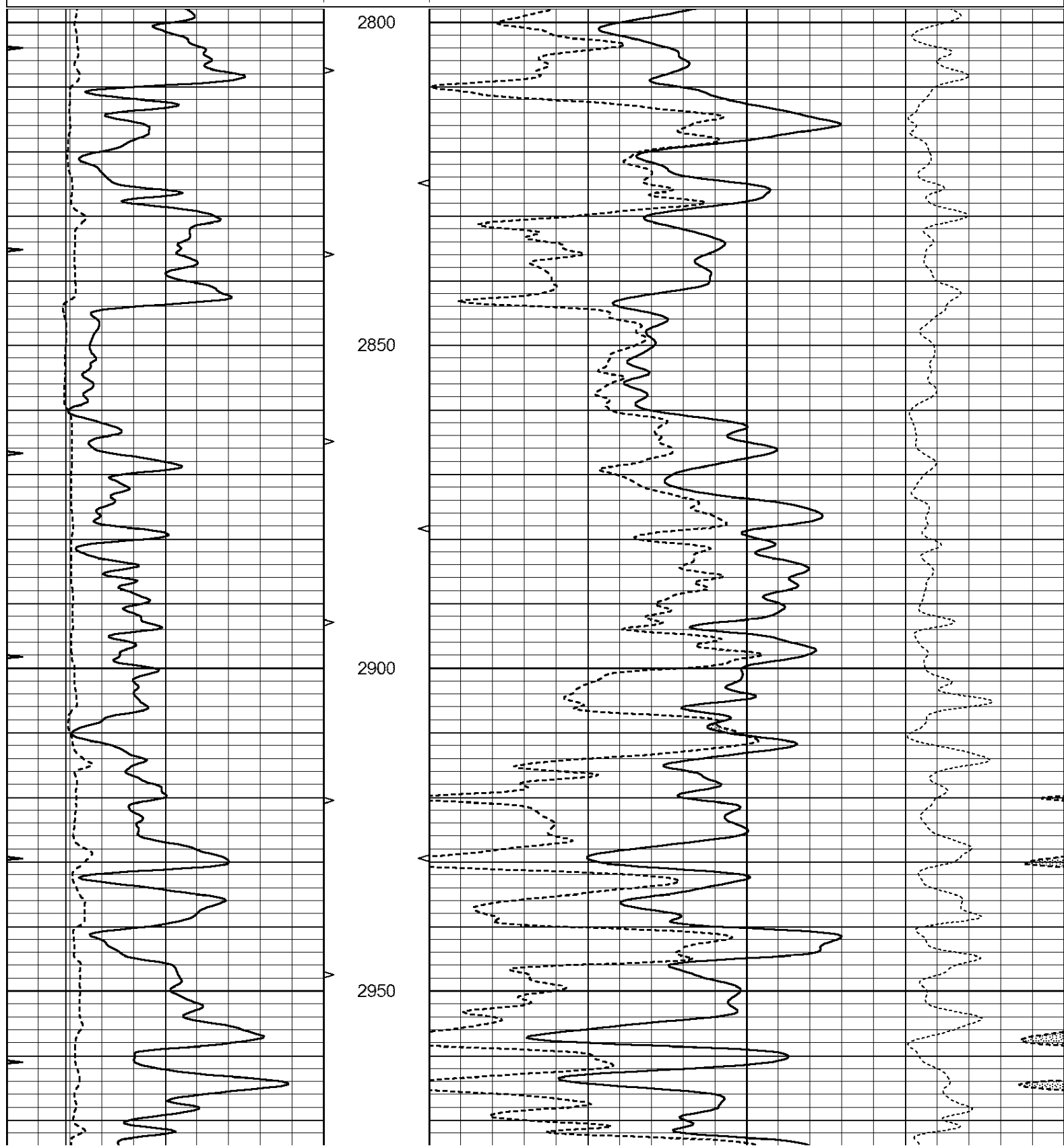


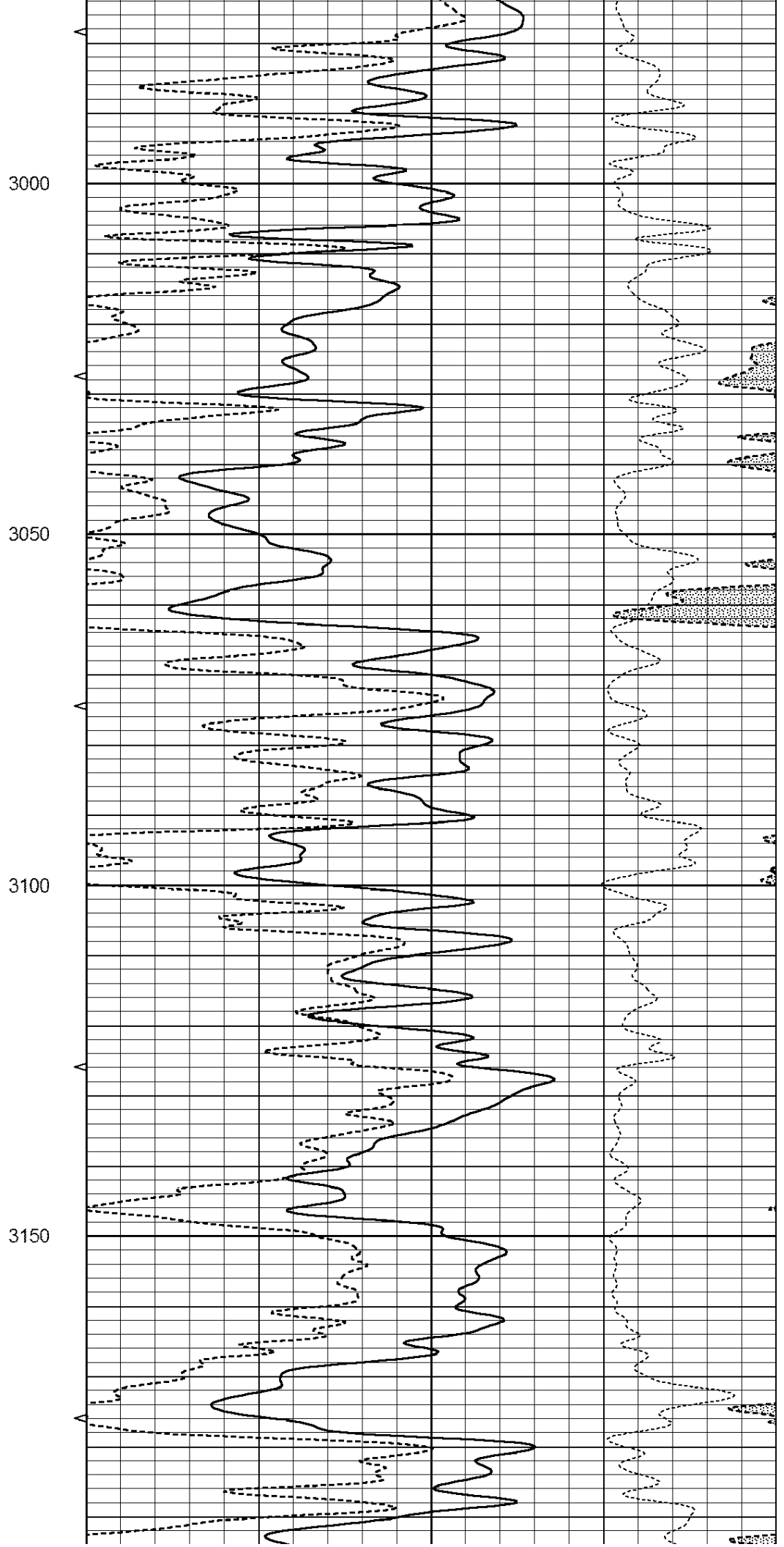
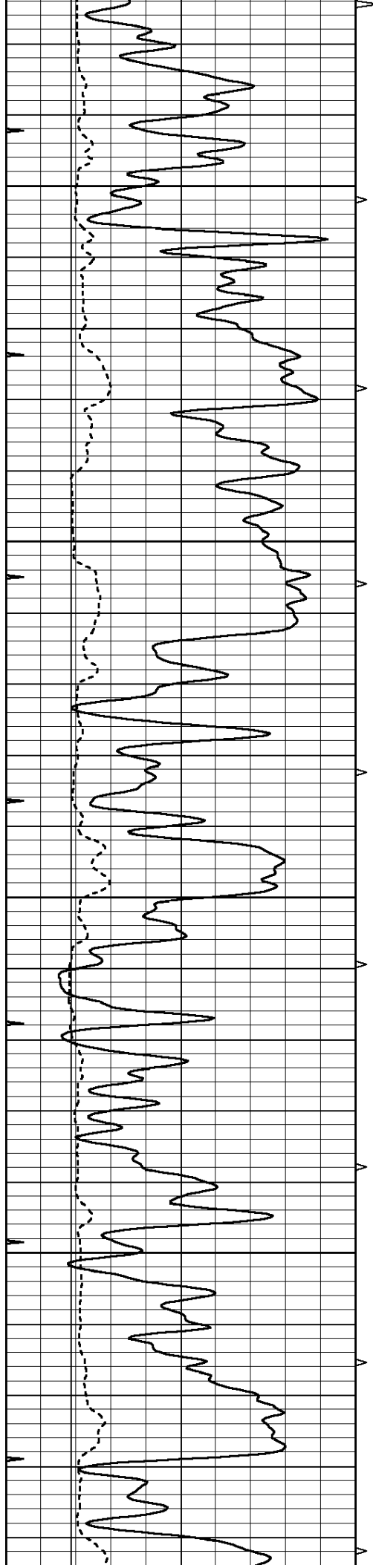
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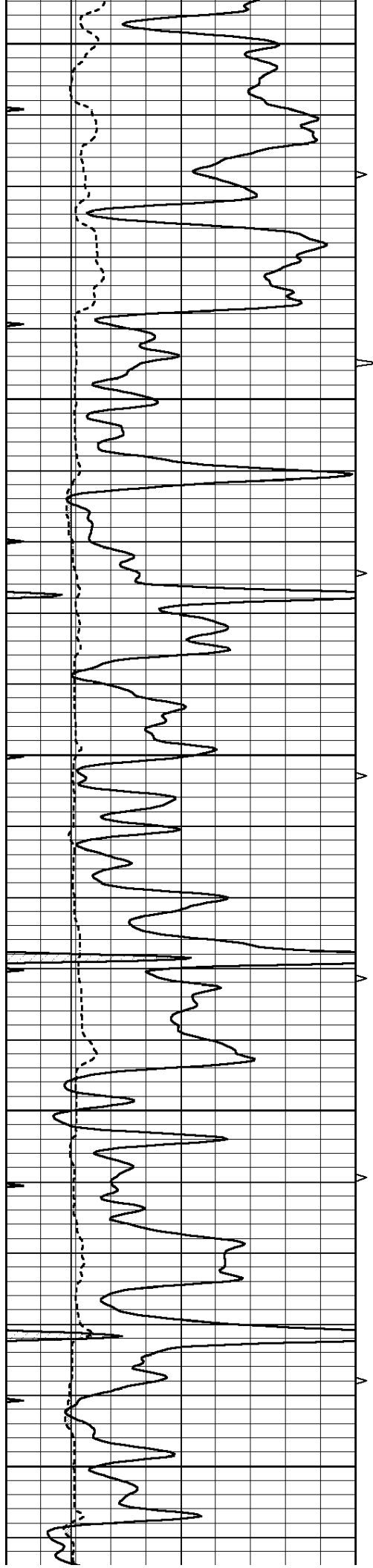
MAIN SECTION

Database File: 408767ddn.db
Dataset Pathname: pass3.5
Presentation Format: den_neu
Dataset Creation: Mon May 14 21:16:08 2012 by Calc Open-Cased 110302
Charted by: Depth in Feet scaled 1:240

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		







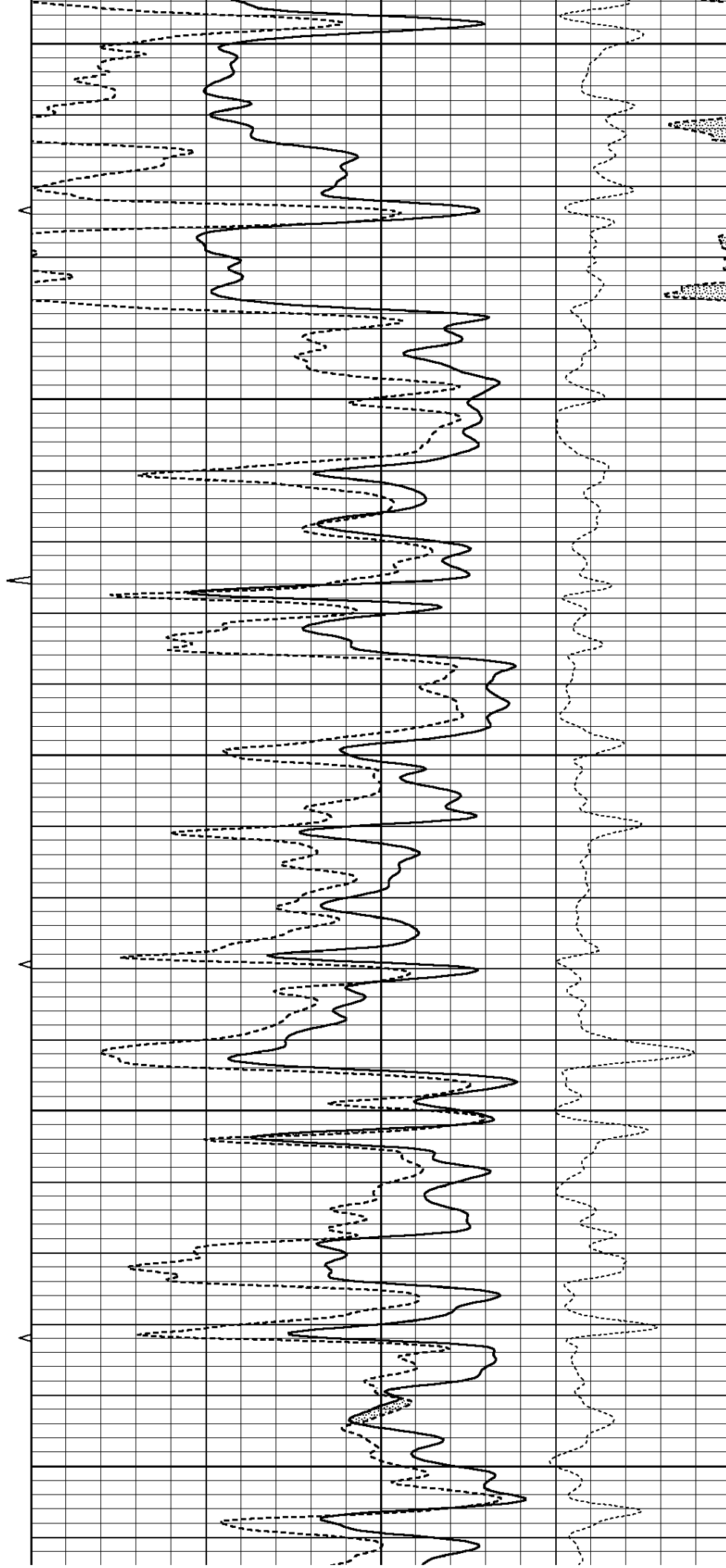
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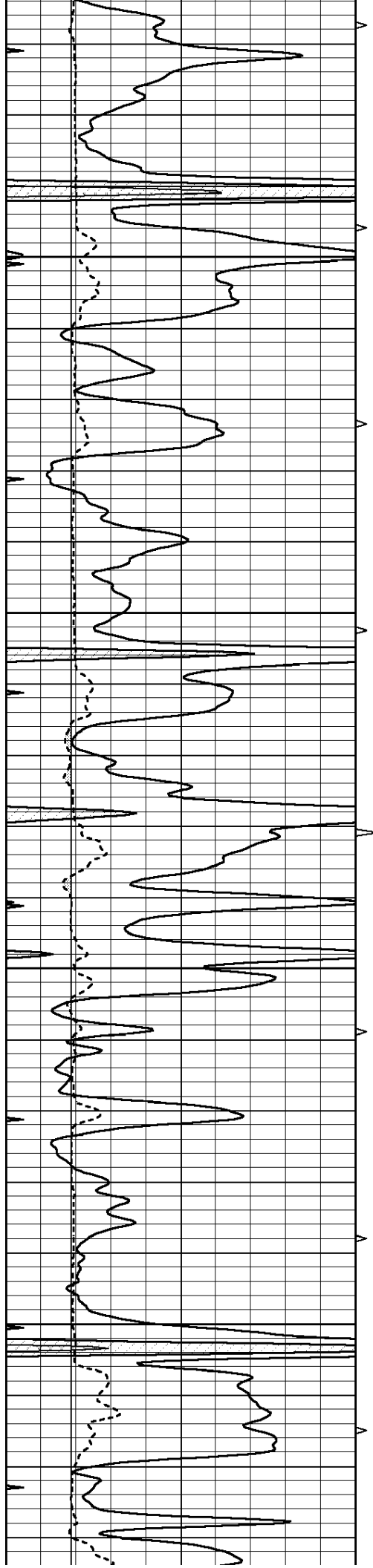
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3300

3350

3400



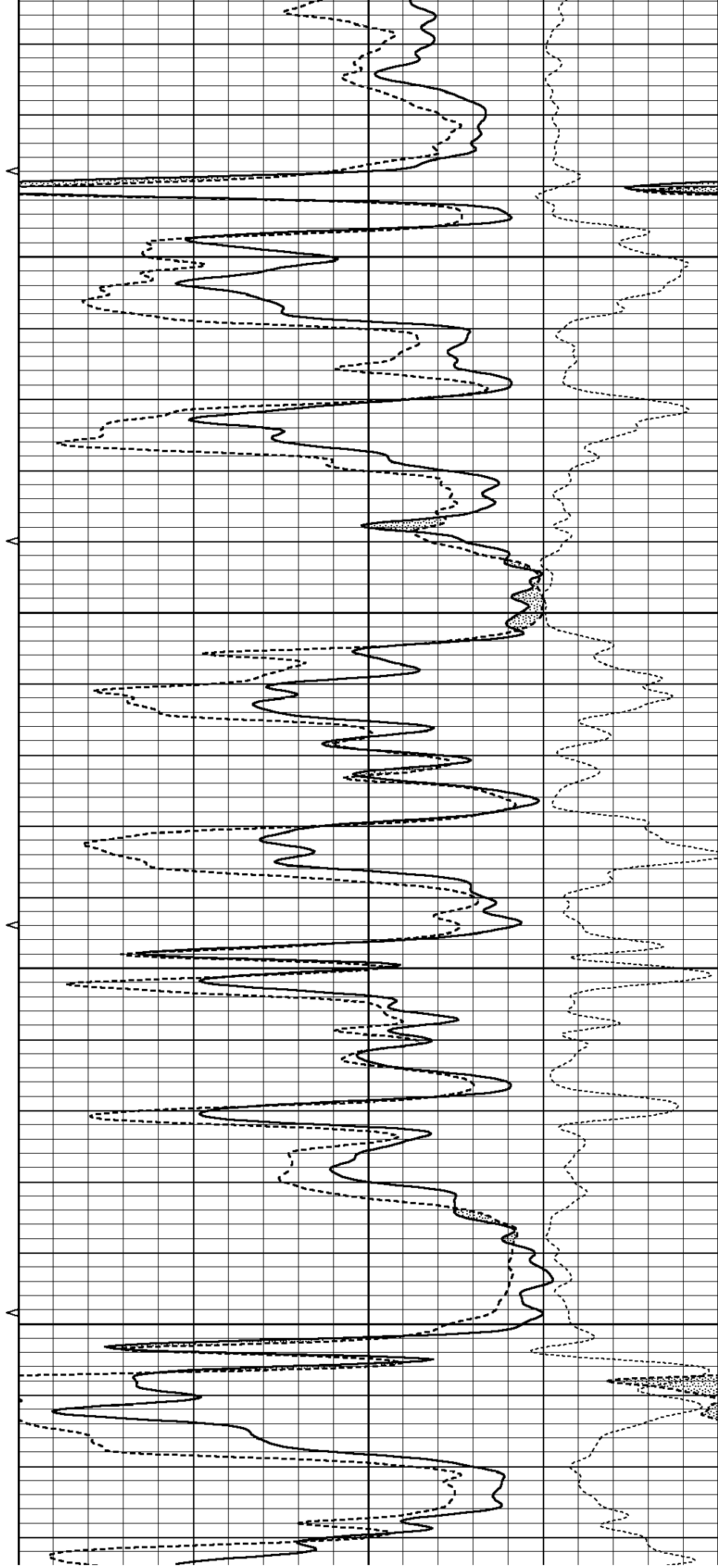


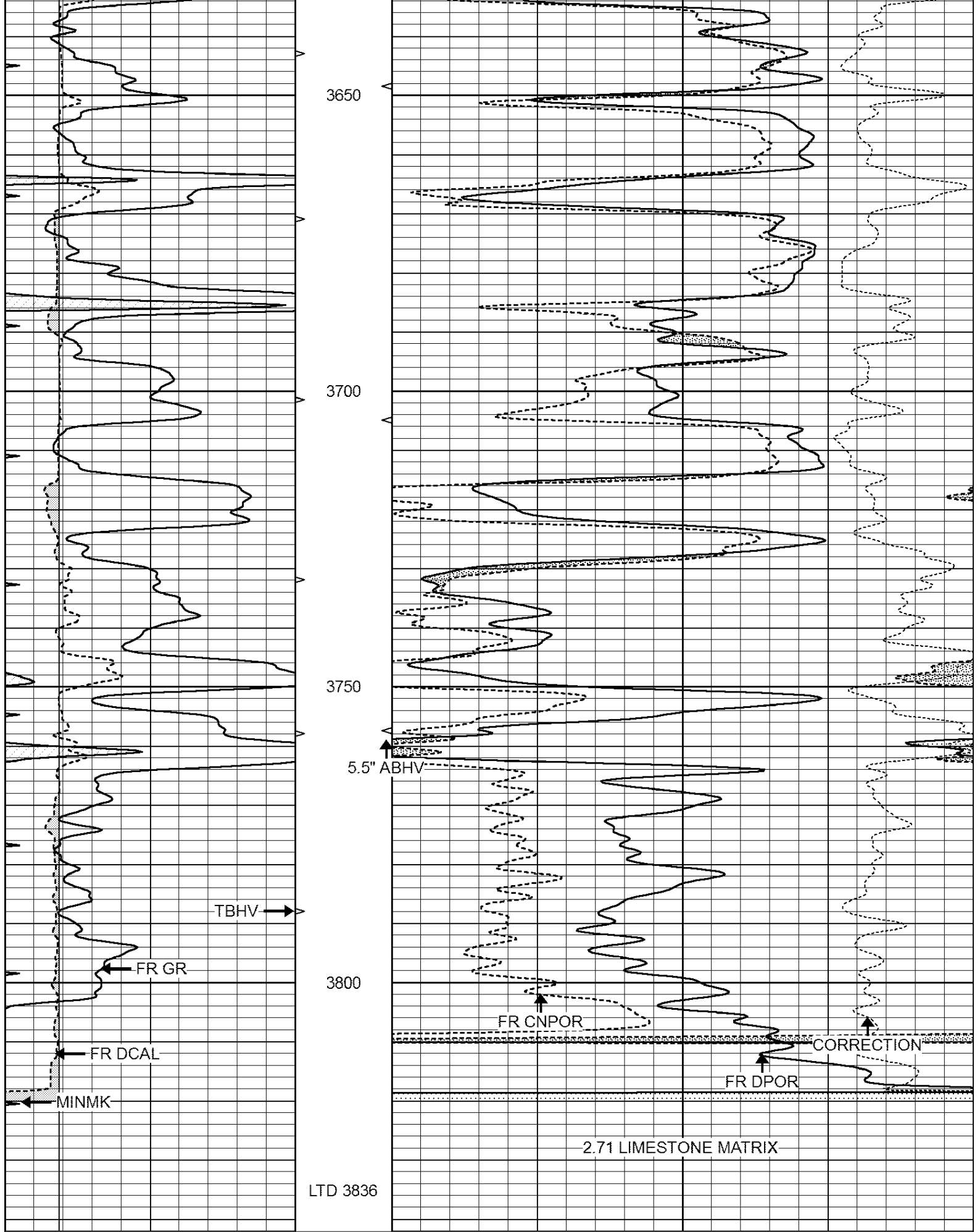
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3500

3550

3600





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 (also)	0.25

MINMK	20	TBHV	-0.25	CORRECTION (g/cc)	0.25
	0	(ft3)	10		



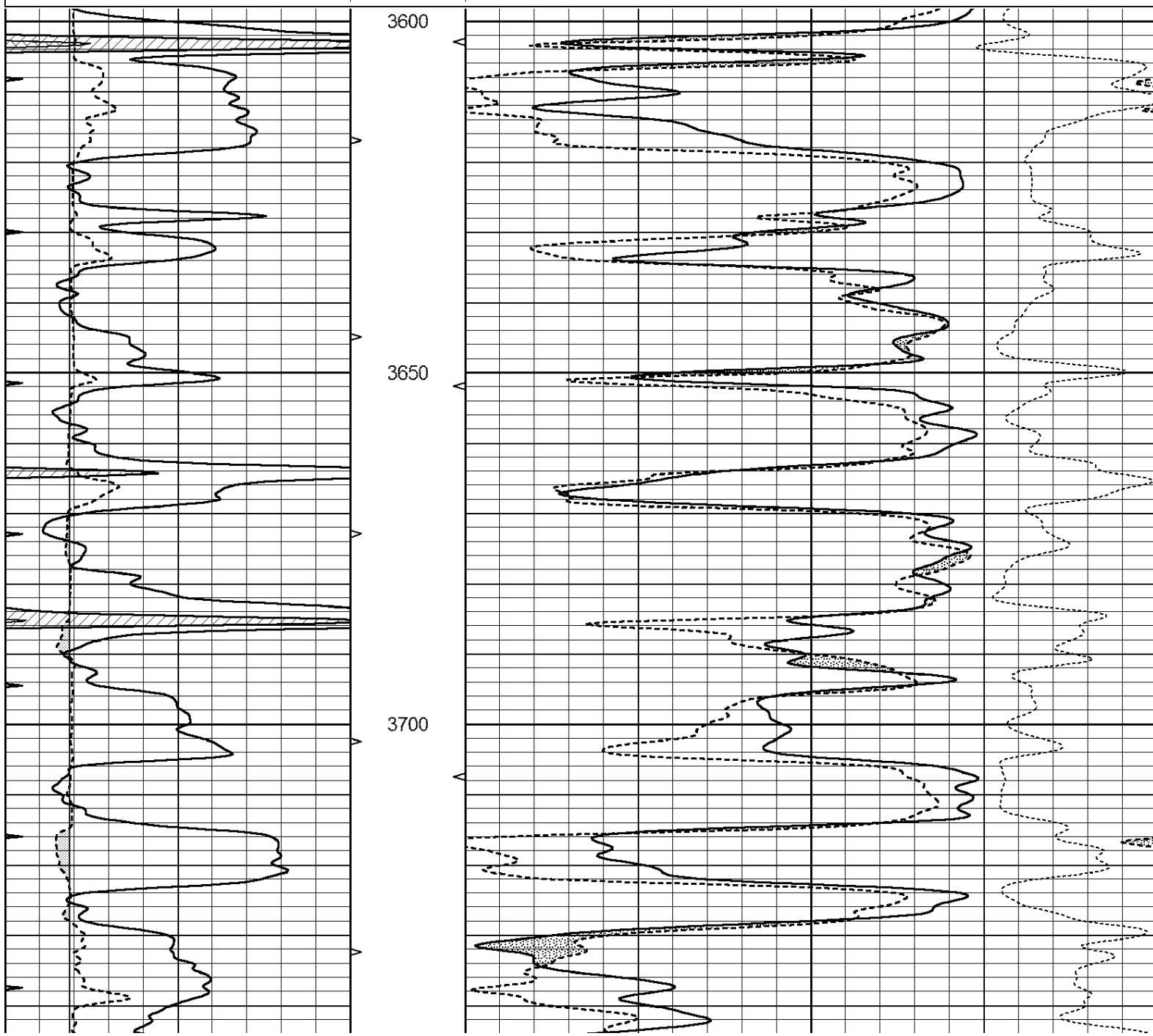
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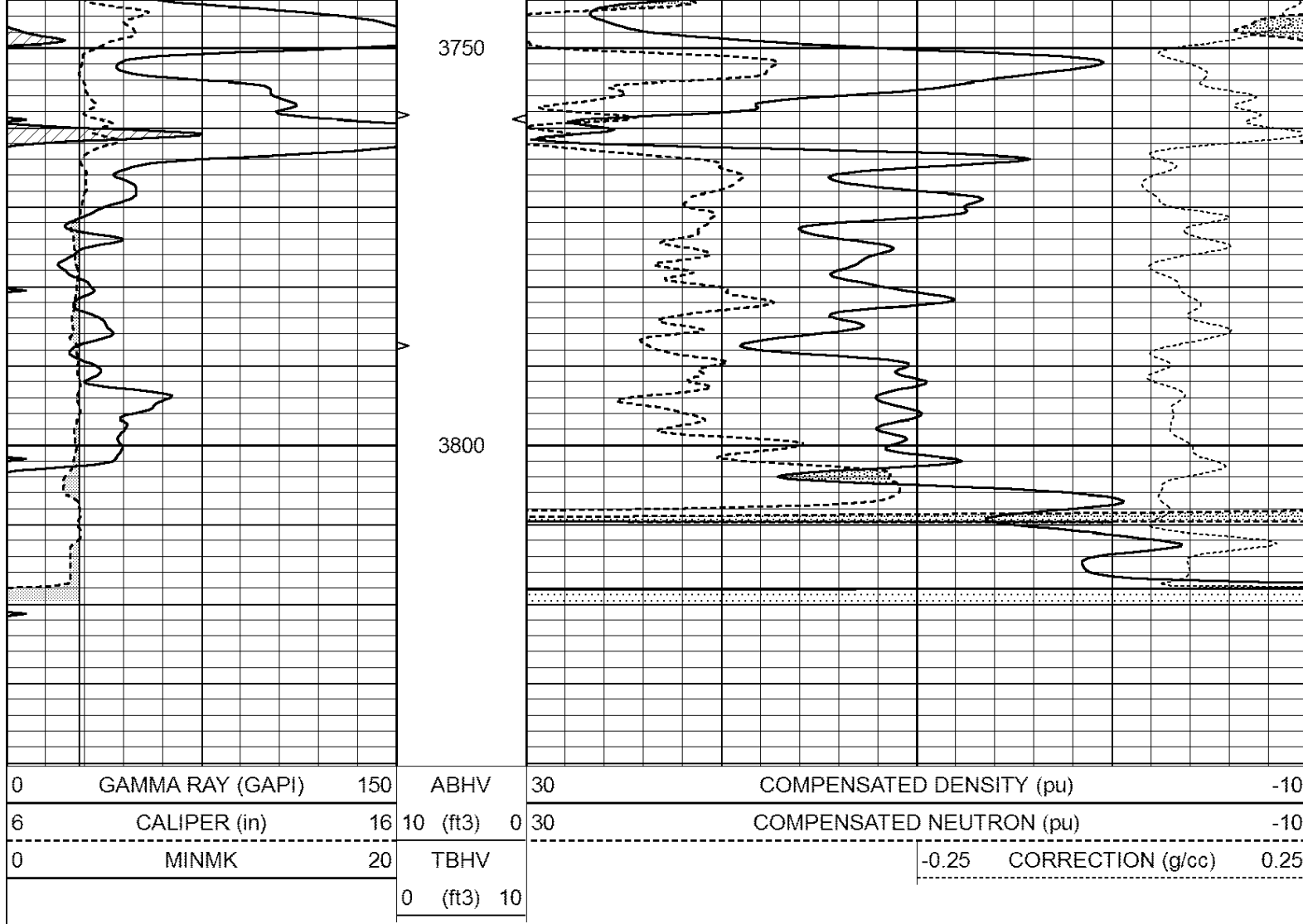
REPEAT SECTION

Database File: 408767ddn.db
Dataset Pathname: pass2.8
Presentation Format: den_neu
Dataset Creation: Mon May 14 20:30:39 2012 by Calc Open-Cased 110302
Charted by: Depth in Feet scaled 1:240

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					

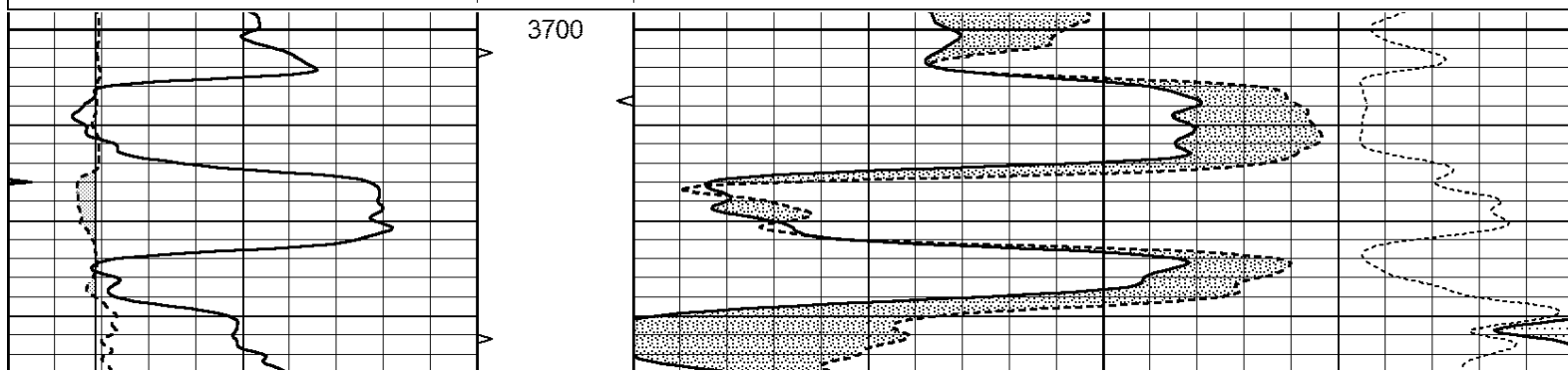
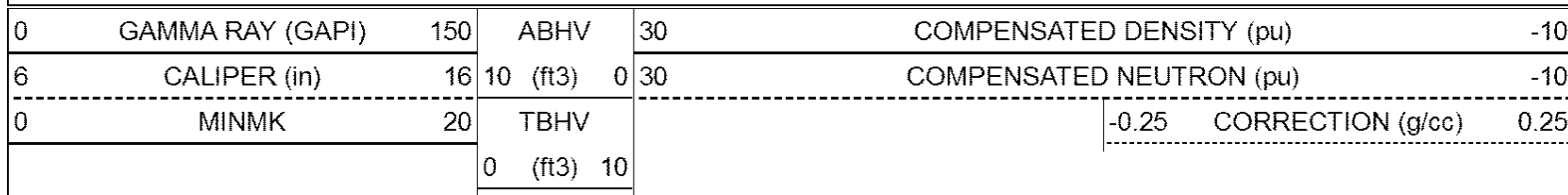


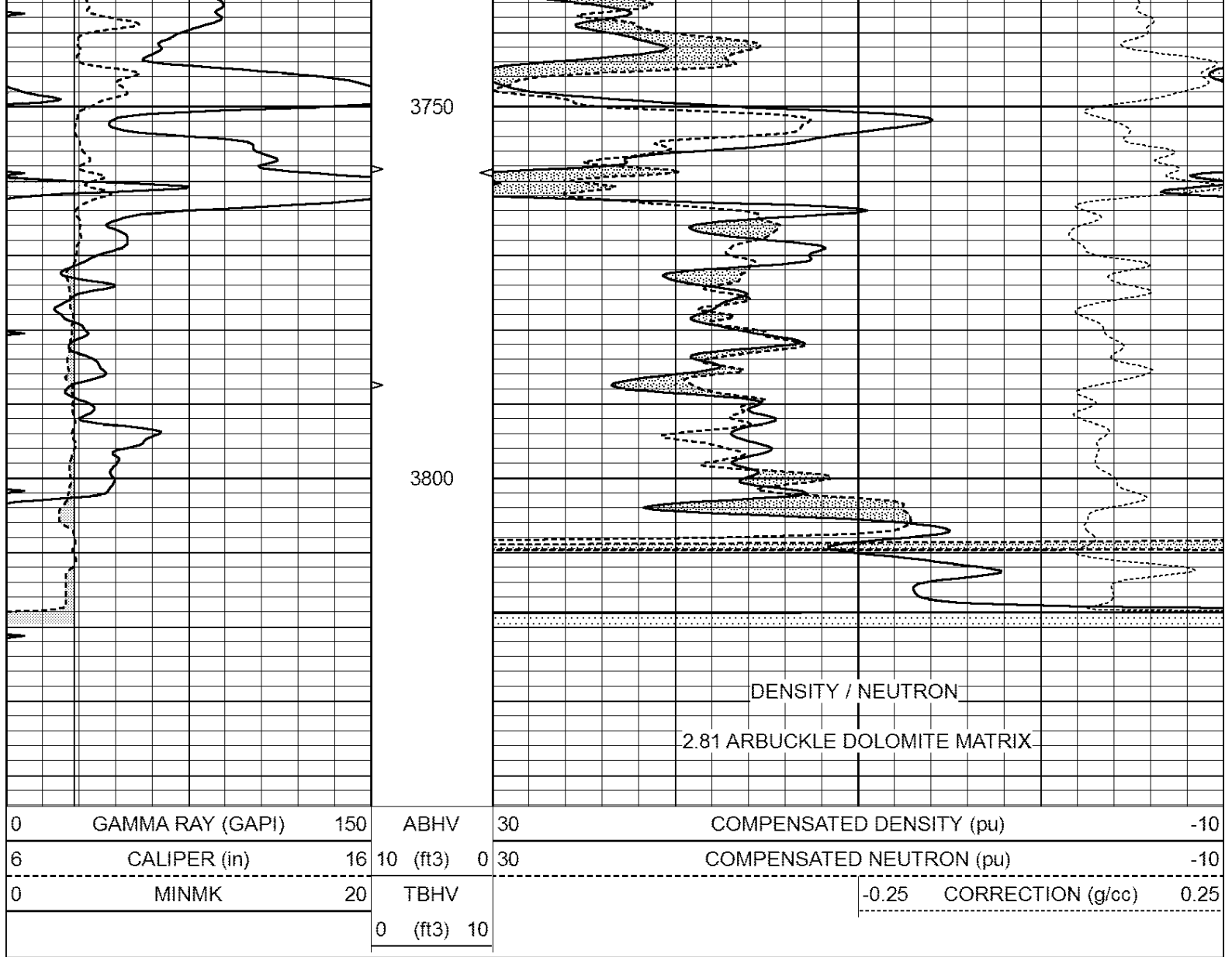


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DOLOMITE MATRIX

Database File: 408767ddn.db
 Dataset Pathname: pass2.6
 Presentation Format: den_neu
 Dataset Creation: Mon May 14 20:06:07 2012
 Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: 408767ddn.db
 Dataset Pathname: pass3.6
 Dataset Creation: Mon May 14 21:16:33 2012 by Calc Open-Cased 110302

Dual Induction Calibration Report

Serial-Model: DIL4-GEAR
 Performed: Mon May 14 20:00:22 2012

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.008	0.666	V	0.000	400.000	mmho/m	570.000	-6.000
Medium	-0.003	0.769	V	0.000	462.500	mmho/m	560.000	-7.500
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.013	0.651	V	0.000	400.000	mmho/m	627.541	-8.365
Medium	0.020	0.754	V	0.000	462.500	mmho/m	630.311	-12.549

Litho Density Calibration Report
 Serial: 003N Model: PRB
 Performed Tue Sep 08 14:14:44 2009

Litho Density Calibration					
	Background	Magnesium	Aluminum	Sandstone	
Window 1	2042.6	12312.8	4225.8	13758.4	cps
Window 2	1855.8	10134.7	3624.2	11113.1	cps
Window 3	1639.4	6760.2	2716.3	7260.3	cps
Window 4	466.4	469.2	466.1	476.5	cps
Long Space	0.0	8278.9	1768.4	9257.4	cps
Short Space	2.2	2377.3	1544.1	2574.2	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 44.4	Rib Slope	: 0.979	Density/Spine Ratio	: 0.549
Spine Angle	: 74.4	Spine Slope	: 3.577	Spine Intercept	: -18.8
Caliper	Readings	Reference			
Low Ref	3.4	7.9			
High Ref	5.5	15.0			
	Gain: 3.4		Offset: -3.5		
Compensated Neutron Calibration Report					
		Serial Number:	070808		
		Tool Model:	Probe		
PRE-SURVEY VERIFICATION					
	Detector	Readings	Measured	Target	
	Short Space	cps			
	Long Space	cps	pu	pu	
POST-SURVEY VERIFICATION					
	Detector	Readings	Measured	Target	
	Short Space	cps			
	Long Space	cps	pu	pu	
Gamma Ray Calibration Report					
	Serial Number:	070559			
	Tool Model:	OPEN_GR			
	Performed:	Wed May 09 19:59:59 2012			
	Calibrator Value:	1.0	GAPI		
	Background Reading:	0.0	cps		
	Calibrator Reading:	1.0	cps		
	Sensitivity:	0.3000	GAPI/cps		