



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY / NEUTRON
LOG

Company	MID - CONTINENT ENERGY	Company	MID - CONTINENT ENERGY	Location:	API # : 15-101-22134-0000	Other Services
Well	#1-22 TALDO	Well	#1-22 TALDO	2240' FSL & 330' FEL		DIL/MEL
Field	WILDCAT	Field	WILDCAT			
County	LANE	County	LANE			
State	KANSAS	State	KANSAS			
		SEC 21 TWP 18S RGE 29W				Elevation
		Permanent Datum	GROUND LEVEL	Elevation	2796	K.B. 2801
		Log Measured From	KELLY BUSHING 5' A.G.L.			D.F. 2799
		Drilling Measured From	KELLY BUSHING			G.L. 2796
Date	11/17/08					
Run Number	CNE					
Depth Driller	4650					
Depth Logger	4652					
Bottom Logged Interval	4628					
Top Log Interval	3600					
Casing Driller	8 5/8"@308'					
Casing Logger	308					
Bit Size	7 7/8					
Type Fluid in Hole	CHEMICAL MUD		CHLORIDES 2,300 PPM			
Density / Viscosity	9.2/51					
pH / Fluid Loss	10.5/7.2					
Source of Sample	FLOWLINE					
Rm @ Meas. Temp	1.50@57F					
Rmf @ Meas. Temp	1.13@57F					
Rmc @ Meas. Temp	1.80@57F					
Source of Rmf / Rmc	MEASUREMENT					
Rm @ BHT	.701@122F					
Time Circulation Stopped	3 HOURS					
Time Logger on Bottom	1:00 A.M.					
Maximum Recorded Temperature	122F					
Equipment Number	0836					
Location	HAYS, KANSAS					
Recorded By	JEFF LUEBBERS					
Witnessed By	KEVIN KESSLER					

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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
DIGHTON, KS. (4 WAY STOP) 2W. ON HWY 96, 1/2S. INTO

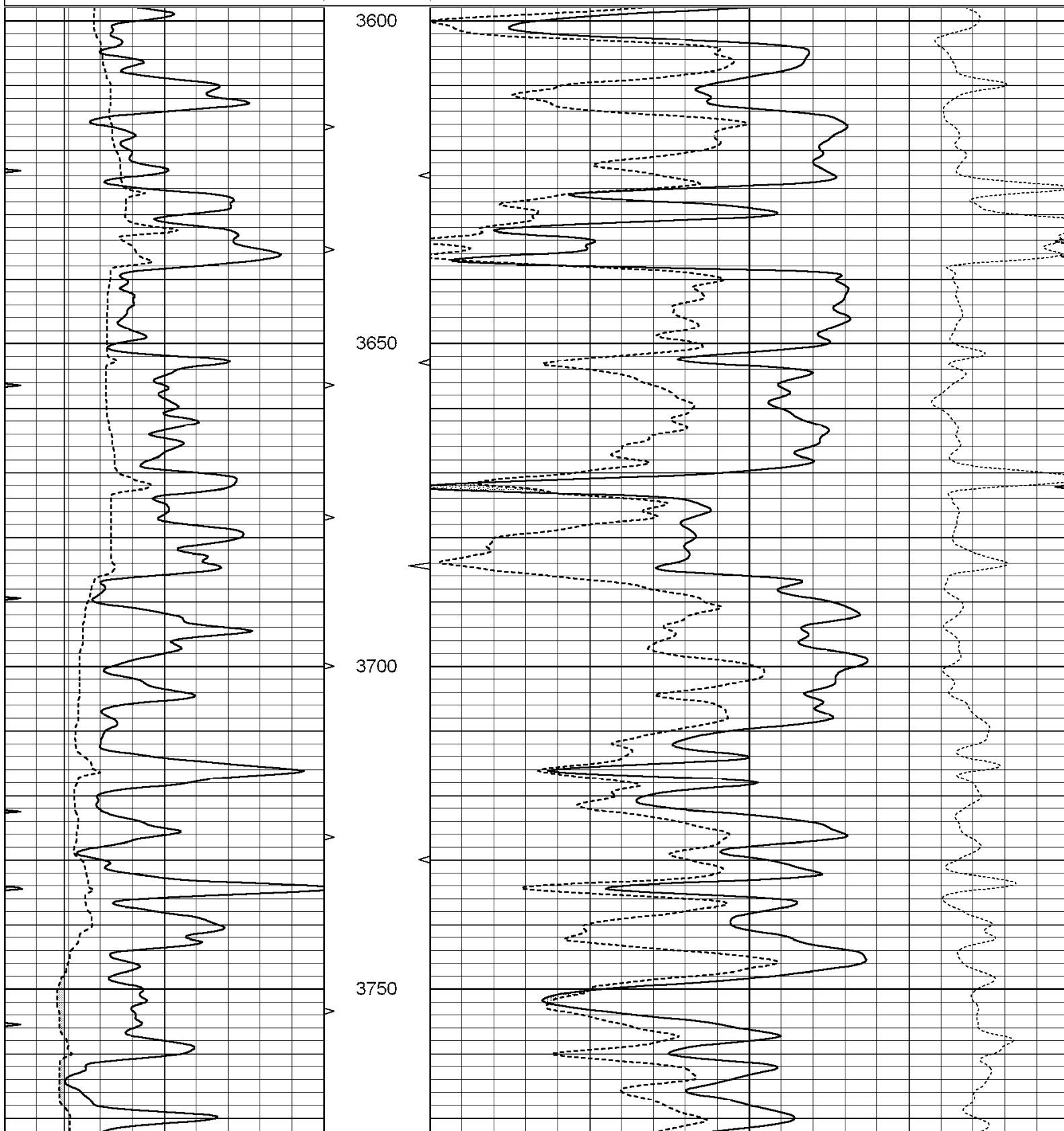


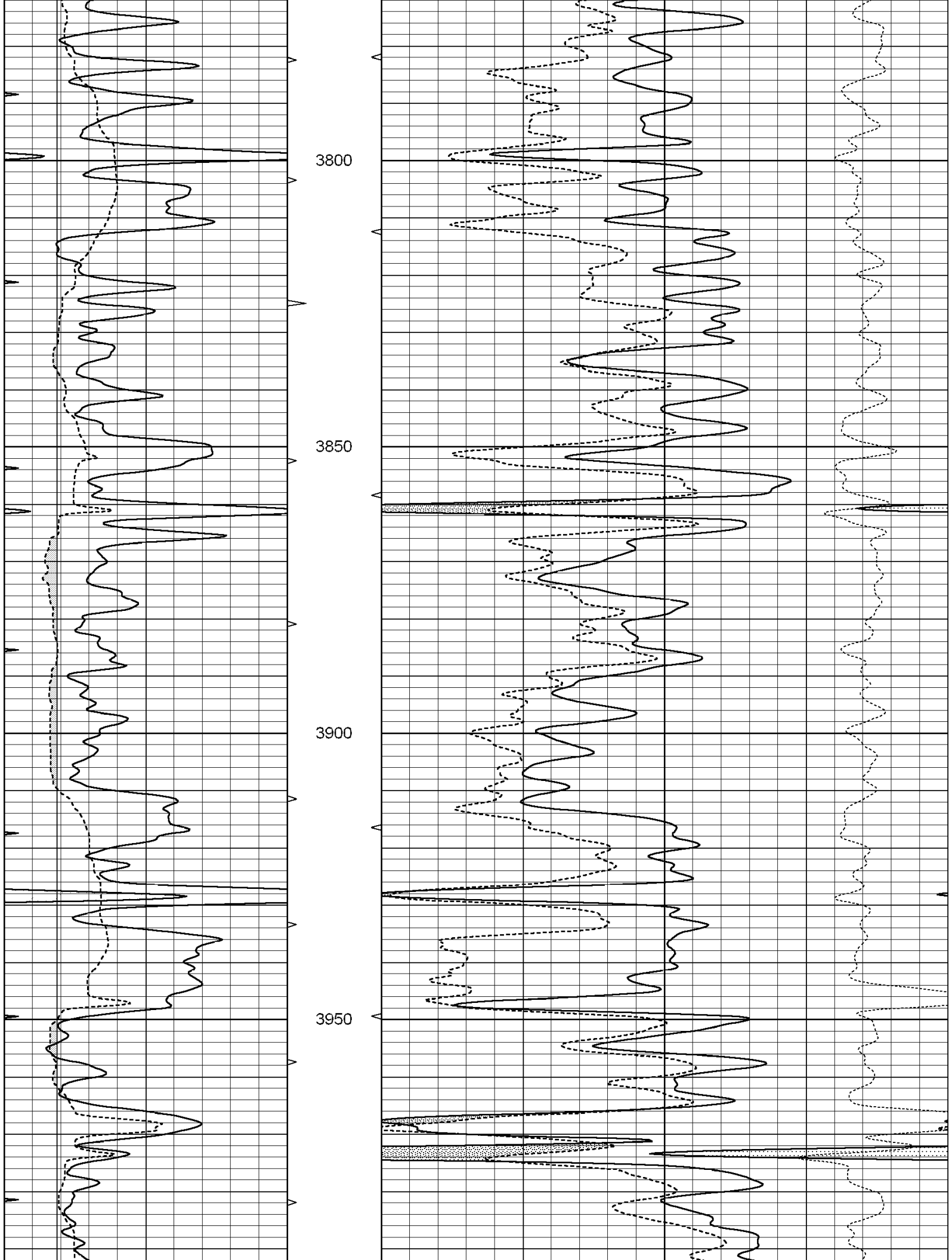
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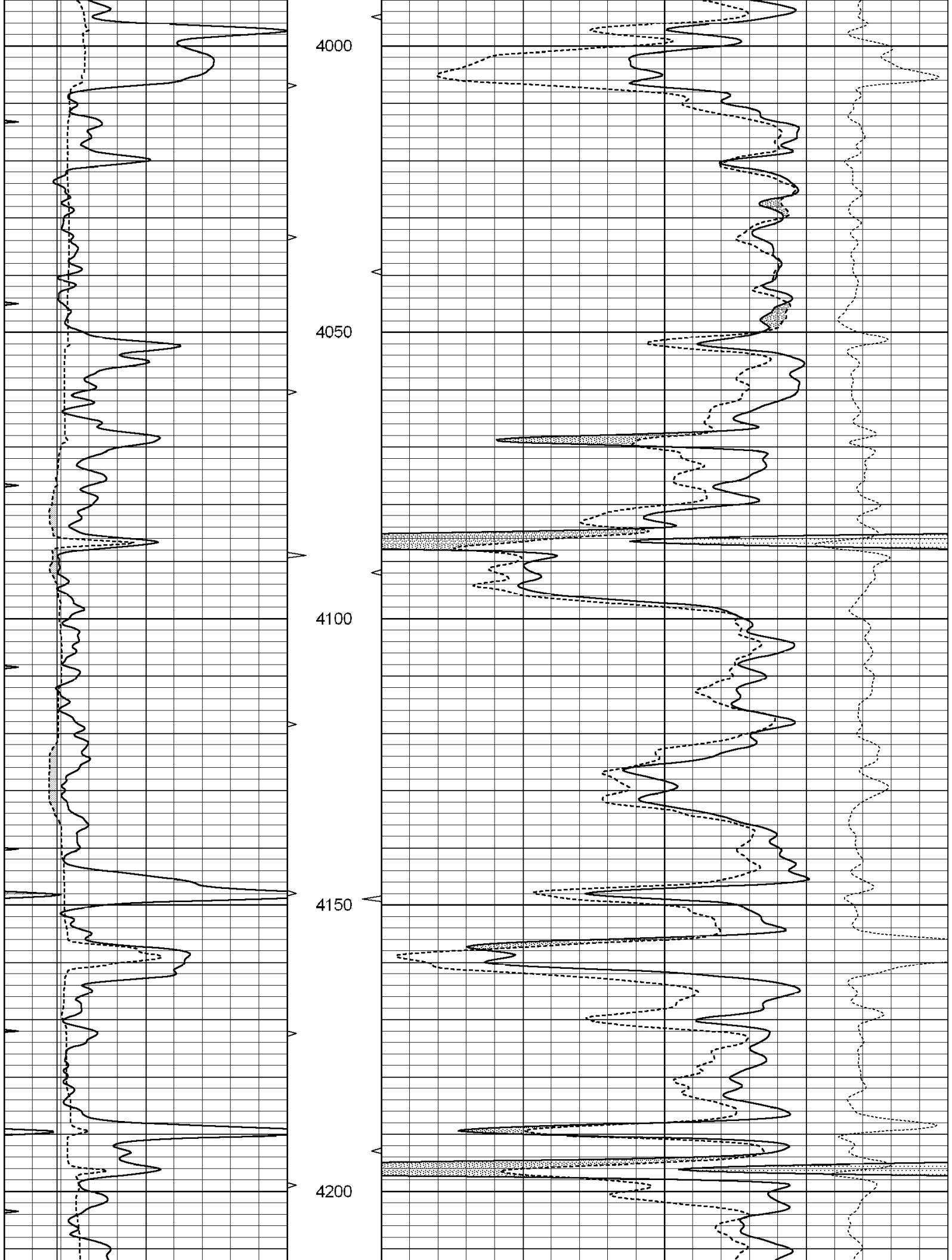
MAIN SECTION

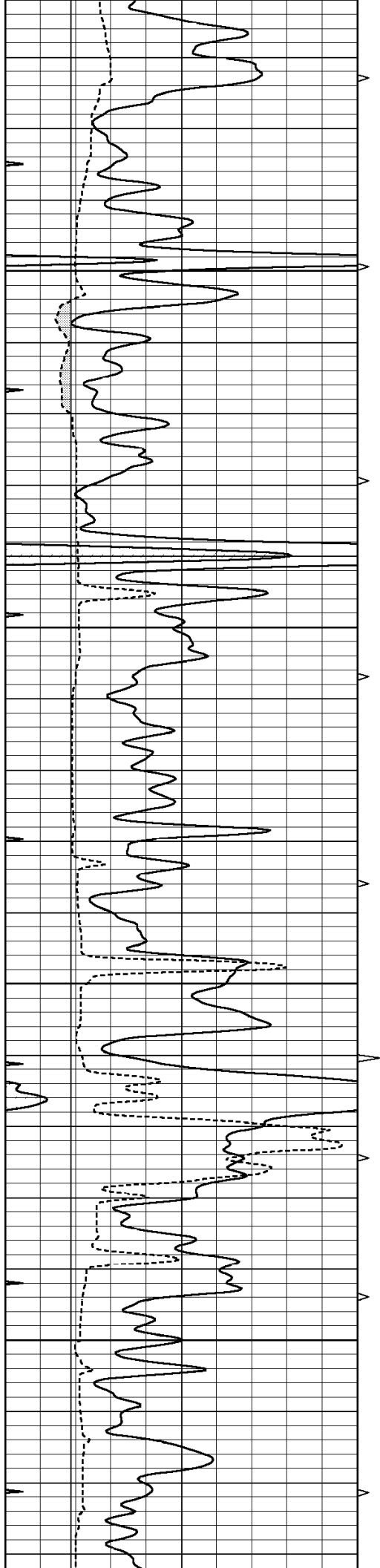
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Dataset Pathname: pass3.5
Presentation Format: den_neu
Dataset Creation: Tue Nov 18 01:51:20 2008 by Calc Open-Cased 060407
Charted by: Depth in Feet scaled 1:240

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			







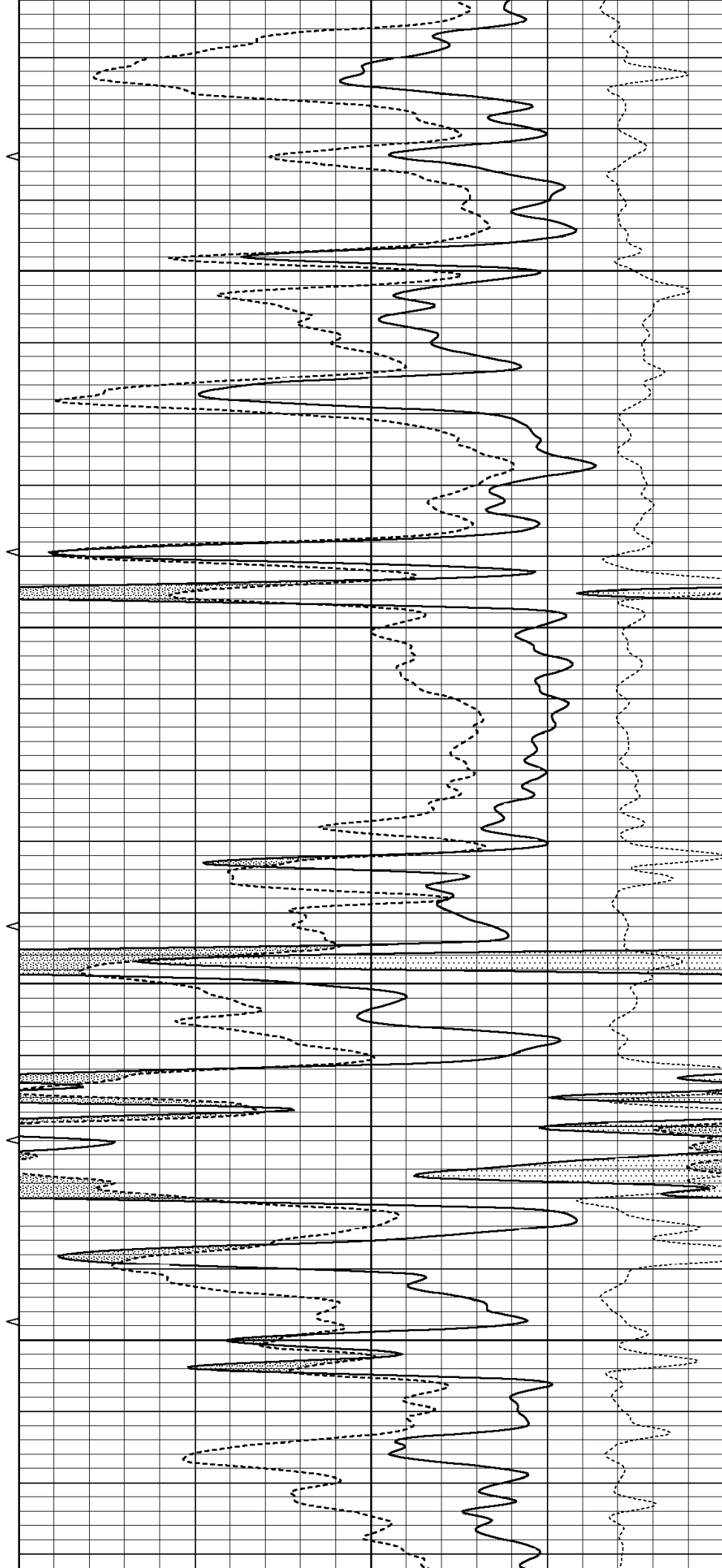


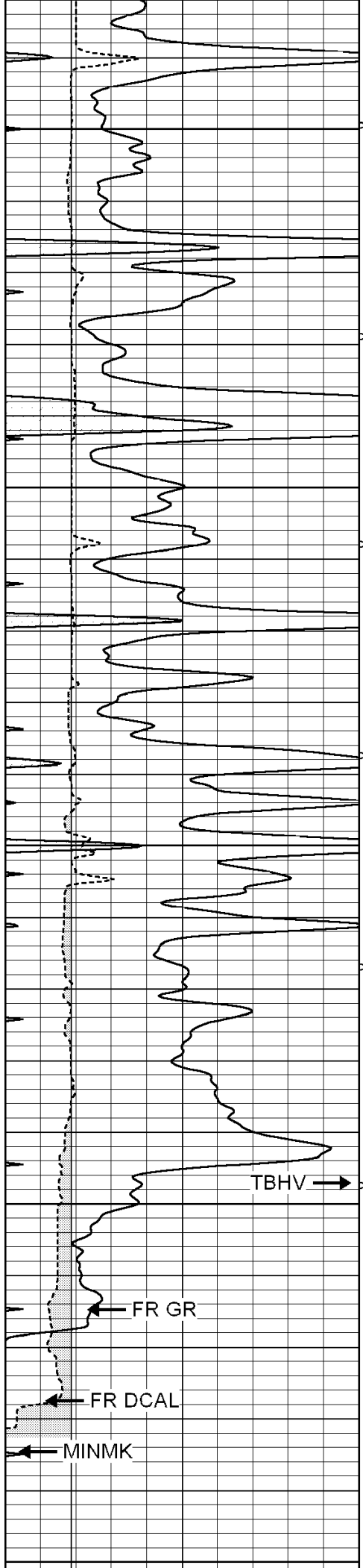
4250

4300

4350

4400





4450

4500

4550

5.5" ABHV

4600

FR CNPOR

FR DPOR

CORRECTION

2.71 LIMESTONE MATRIX

4650

170-4852

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			

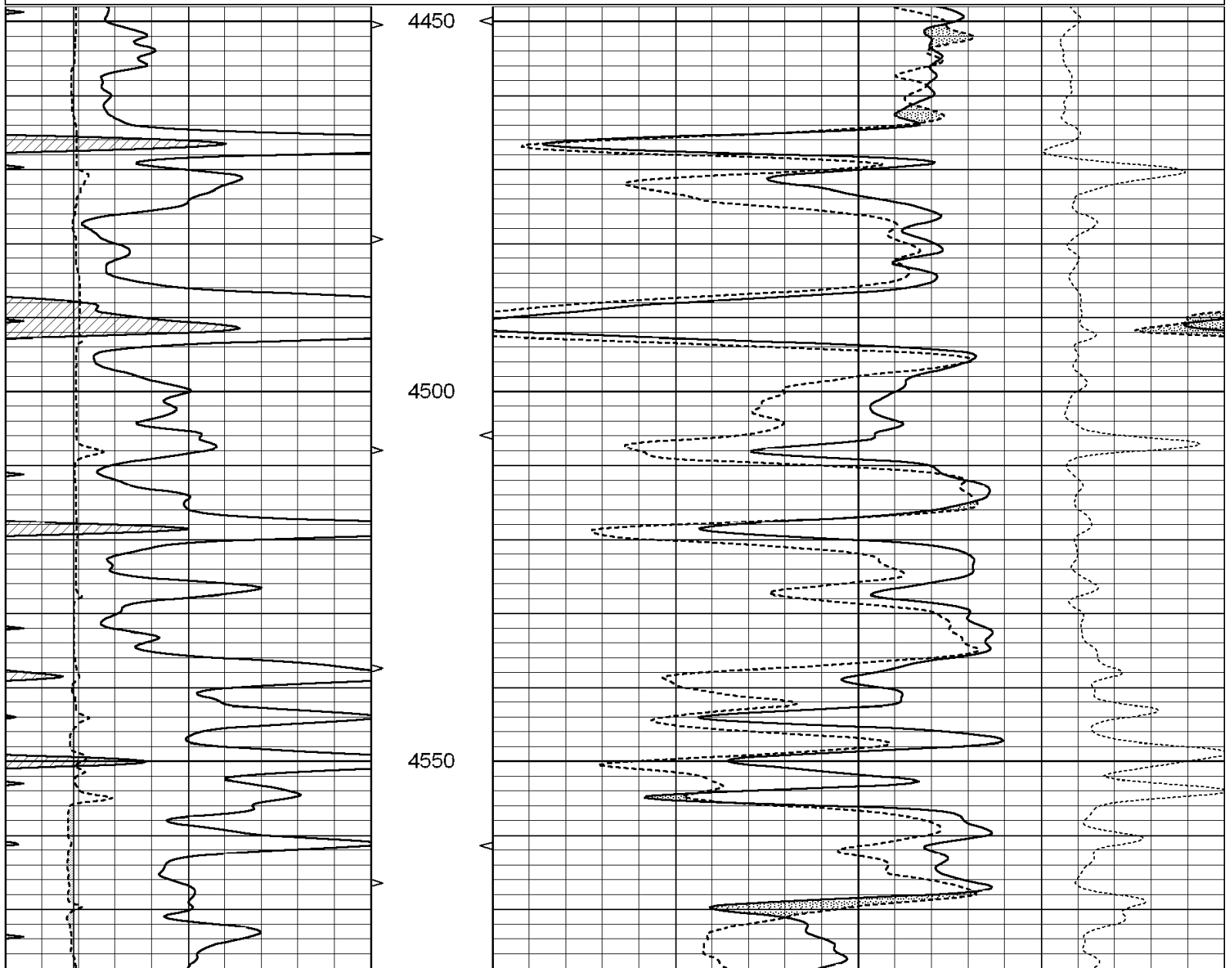


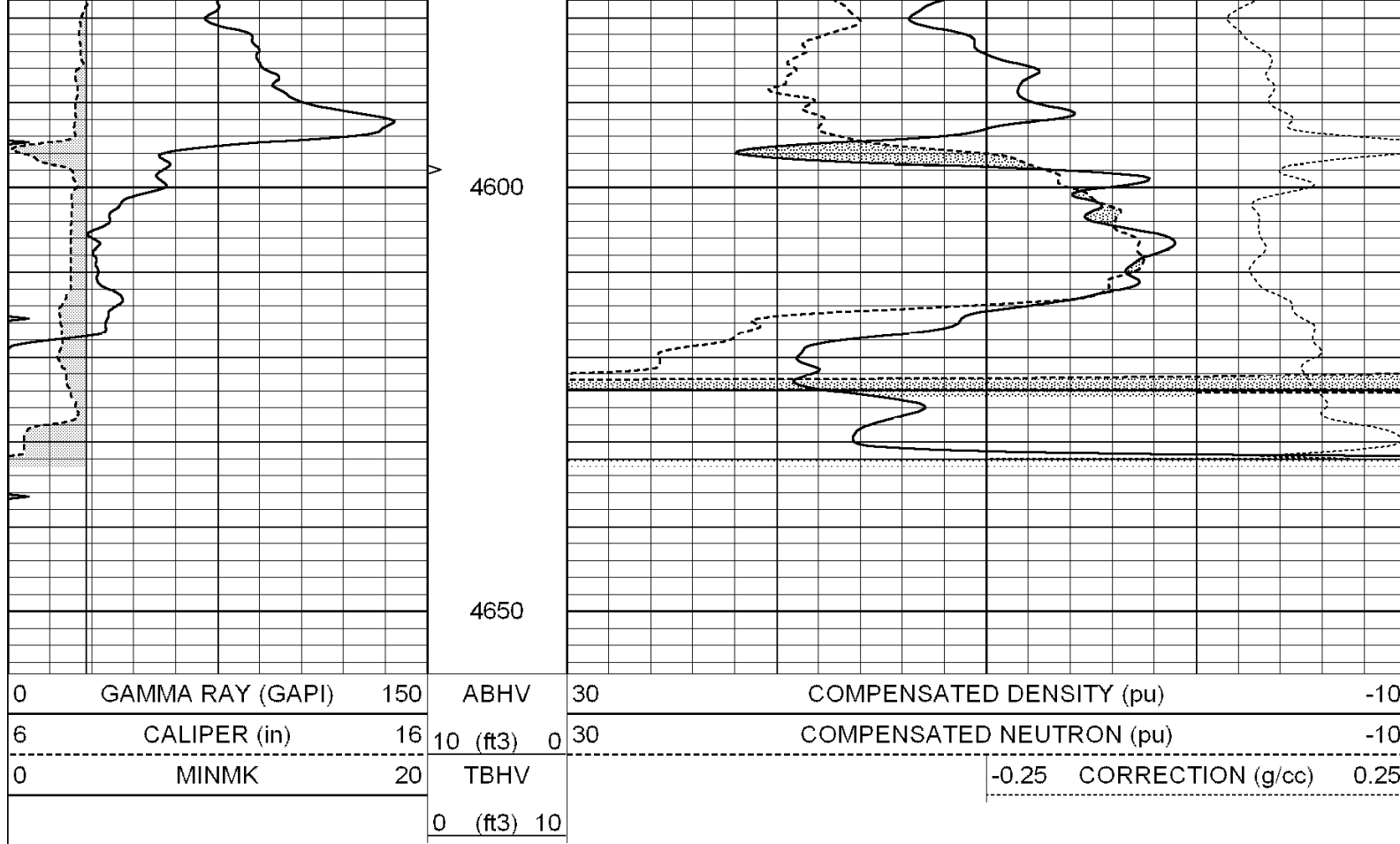
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REPEAT SECTION

Database File: 002764ddn.db
Dataset Pathname: pass2.14
Presentation Format: den_neu
Dataset Creation: Tue Nov 18 02:07:15 2008
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			





Calibration Report

Database File: 002764ddn.db
 Dataset Pathname: pass3.5
 Dataset Creation: Tue Nov 18 01:51:20 2008 by Calc Open-Cased 060407

Dual Induction Calibration Report

Serial-Model: DIL1-GEAR
 Performed: Mon Nov 17 23:41:42 2008

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.014	0.656	V	0.000	400.000	mmho-m	525.000	-6.000
Medium	-0.001	0.753	V	0.000	464.000	mmho-m	575.000	-7.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.015	0.658	V	0.000	500.000	mmho-m	778.152	-11.717
Medium	0.014	0.750	V	0.000	500.000	mmho-m	680.048	-9.713

Litho Density Calibration Report

Serial: 003 Model: PRB
 Performed Sun May 27 14:00:47 2007

Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	2129.3	13425.5	4493.9	14622.8	cps
Window 2	1911.5	10435.8	3706.5	11076.3	cps
Window 3	1670.1	6774.1	2736.9	7064.4	cps
Window 4	493.6	496.3	490.8	497.3	cps
Long Space	0.0	8524.3	1795.1	9164.8	cps

Short Space	2.1	3478.4	2258.5	3656.0	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 44.5	Rib Slope	: 0.983	Density/Spine Ratio	: 0.544
Spine Angle	: 74.5	Spine Slope	: 3.607	Spine Intercept	: -20.4
Caliper	Readings	Reference			
Low Ref	2.2	6.0			
High Ref	4.5	15.5			
	Gain: 4.0		Offset: -2.7		
Compensated Neutron Calibration Report					
		Serial Number:	NEU_3I		
		Tool Model:	G		
CALIBRATION					
	Detector	Readings	Target		Normalization
	Short Space	997.00 cps	1000.00 cps		1.0000
	Long Space	986.00 cps	1000.00 cps		1.0000
Gamma Ray Calibration Report					
	Serial Number:	GR3			
	Tool Model:	OPEN			
	Performed:	Tue Nov 18 01:04:48 2008			
	Calibrator Value:	200.0	GAPI		
	Background Reading:	3.0	cps		
	Calibrator Reading:	186.0	cps		
	Sensitivity:	0.6500	GAPI/cps		