



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY / NEUTRON
LOG

Company	MAI OIL OPERATIONS INC.	Company	MAI OIL OPERATIONS, INC.
Well	DECHANT #1	Well	DECHANT #1
Field	BINDLEY	Field	BINDLEY
County	HODGEMAN	County	HODGEMAN
State	KANSAS	State	KANSAS
Location:	AP1 # : 15-083-21710-0000	Other Services	DIL/MEL
Permanent Datum	GROUND LEVEL	Elevation	2451
Log Measured From	KELLY BUSHING 12' A.G.L.	Elevation	K.B. 2463
Drilling Measured From	KELLY BUSHING	Elevation	D.F. 2461
		Elevation	G.L. 2451
Date	6/24/11		
Run Number	ONE		
Depth Driller	4748		
Depth Logger	4746		
Bottom Logged Interval	4722		
Top Log Interval	3900		
Casing Driller	8 5/8"@240'		
Casing Logger	236		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES	4,300 PPM
Density / Viscosity	9.2/46		
pH / Fluid Loss	10.0/10.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.650@92F		
Rmt @ Meas. Temp	.486@92F		
Rmc @ Meas. Temp	.780@92F		
Source of Rmif / Rmc	MEASUREMENT		
Rm @ BHT	.486@123F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	1:00 A.M.		
Maximum Recorded Temperature	123F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	STEVE MURPHY		

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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
NESS CITY, KS. 20S. ON HWY 283 TO "RD. R", 3W. TO "T", 1/2 N., E. INTO

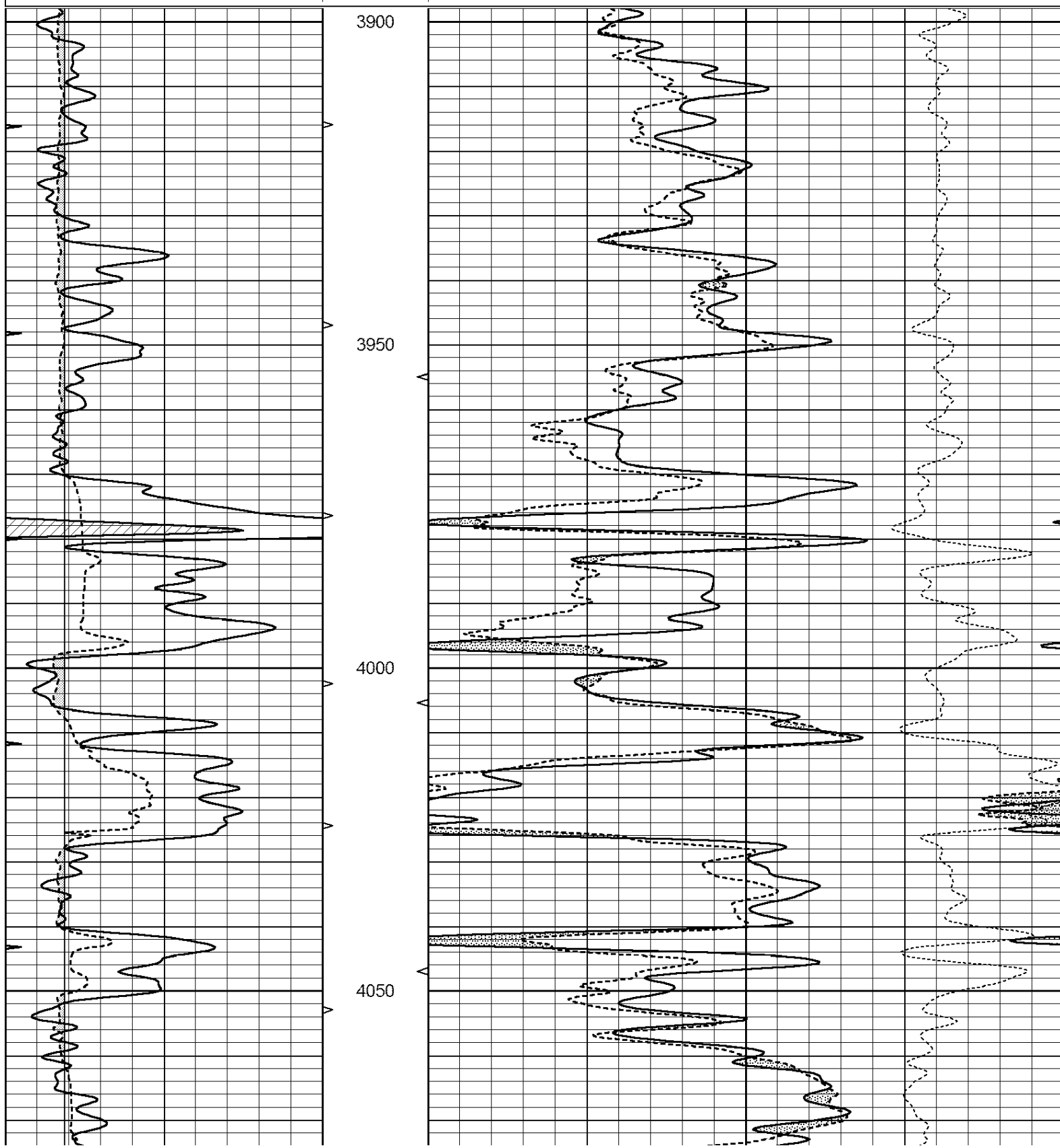


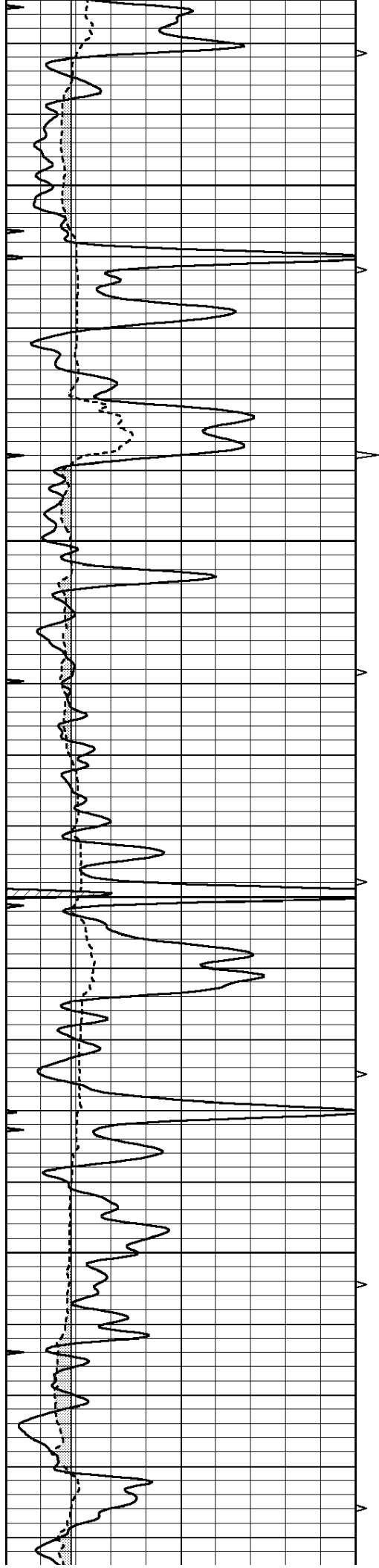
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MAIN SECTION

Database File: 007077ddn.db
Dataset Pathname: pass3.10
Presentation Format: den_neu
Dataset Creation: Sat Jun 25 02:30:41 2011
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		



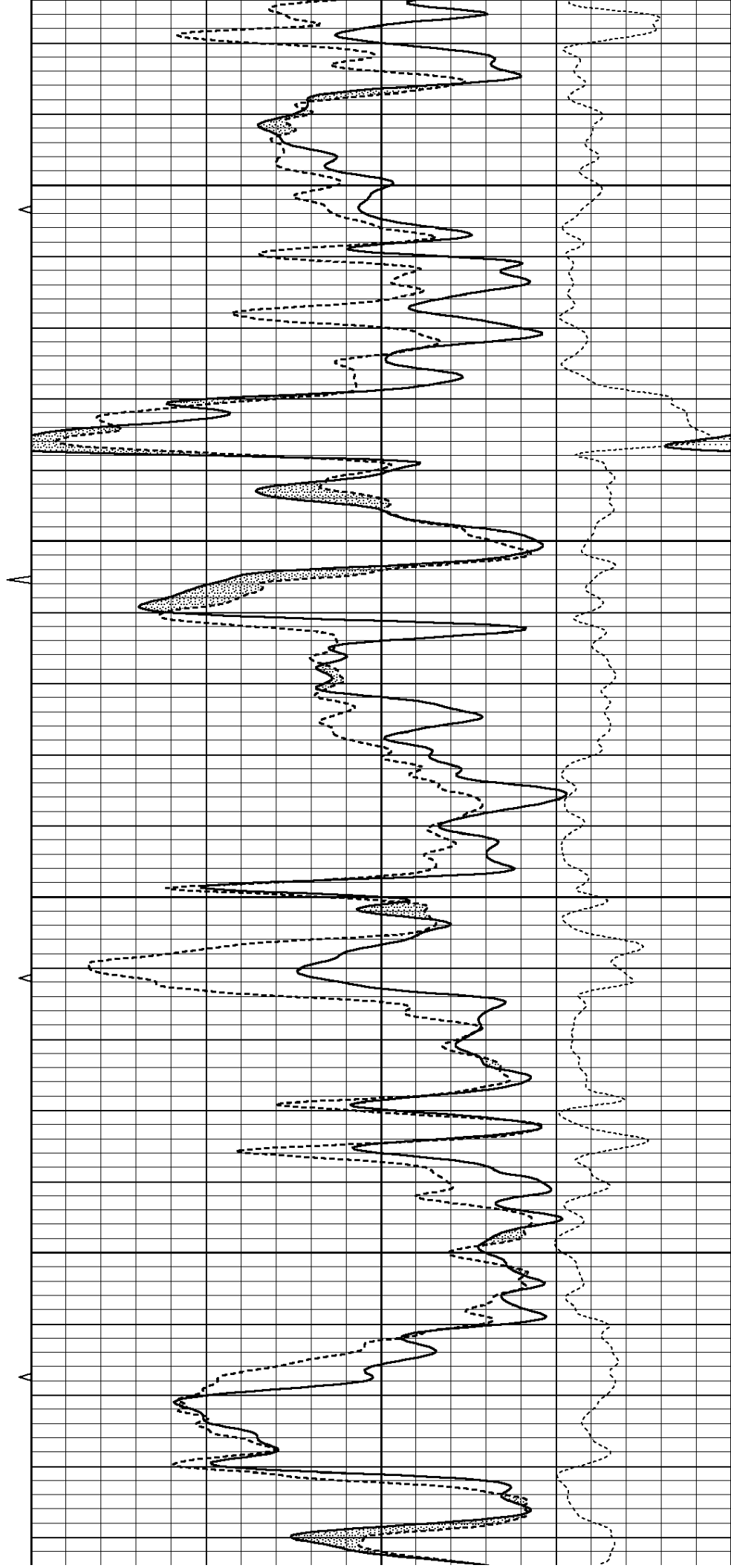


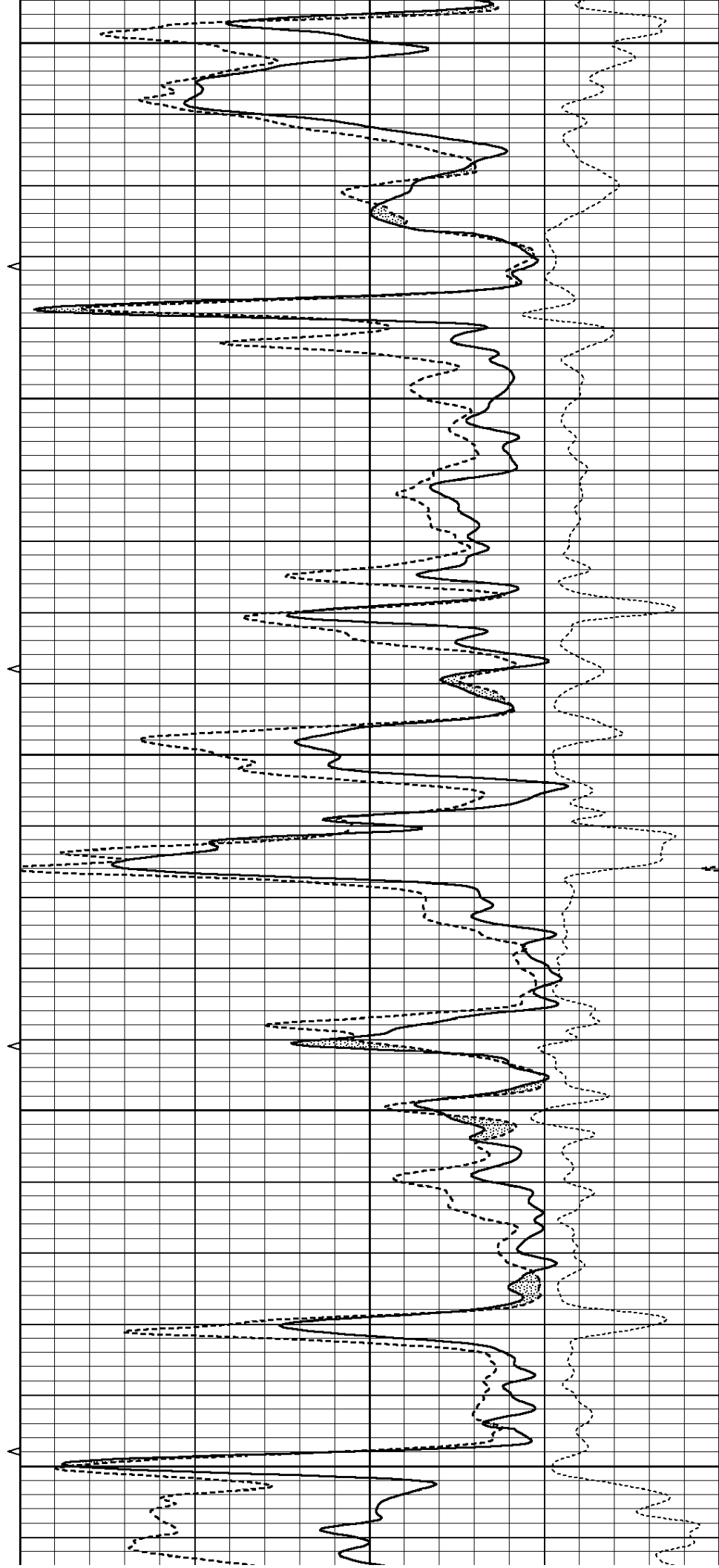
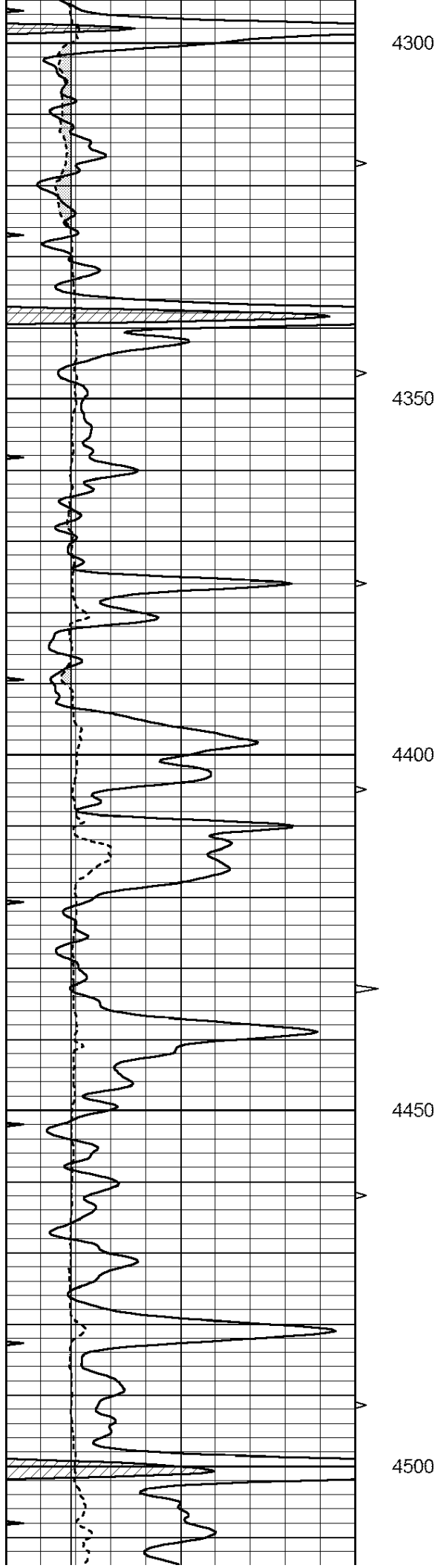
4100

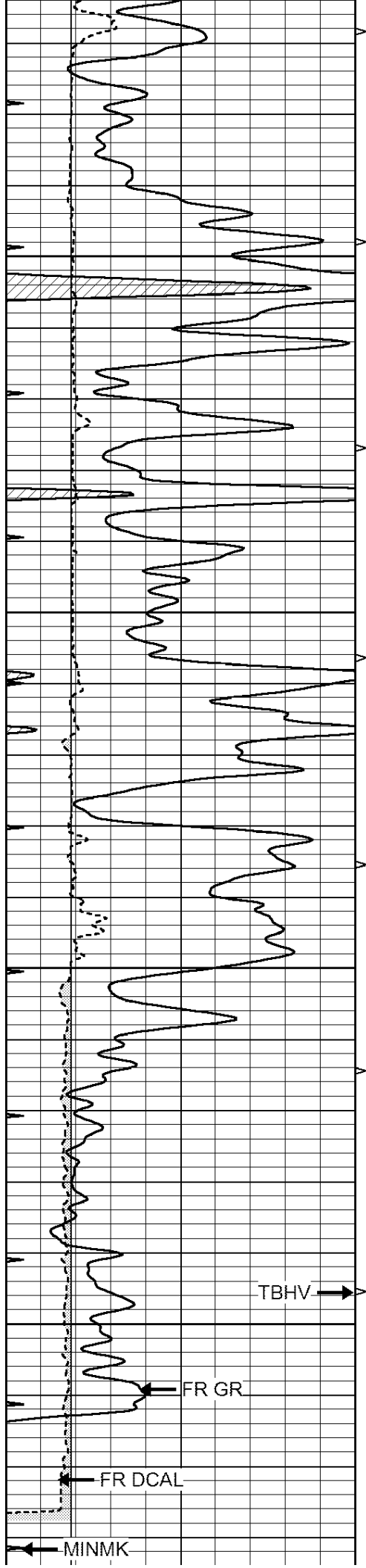
4150

4200

4250







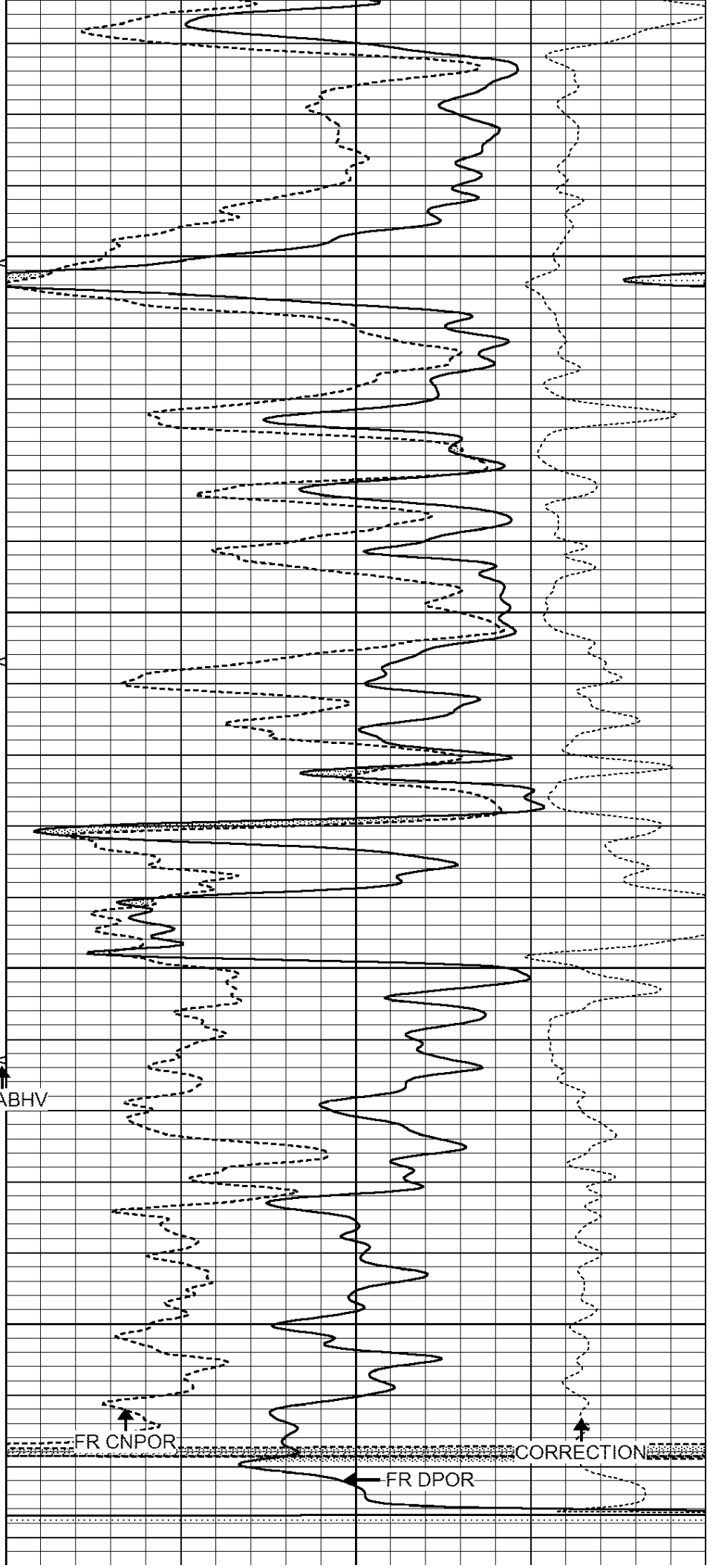
4550

4600

4650

5.5" ABHV

4700



			2.71 LIMESTONE MATRIX		
			LTD 4746		
			4750		
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		

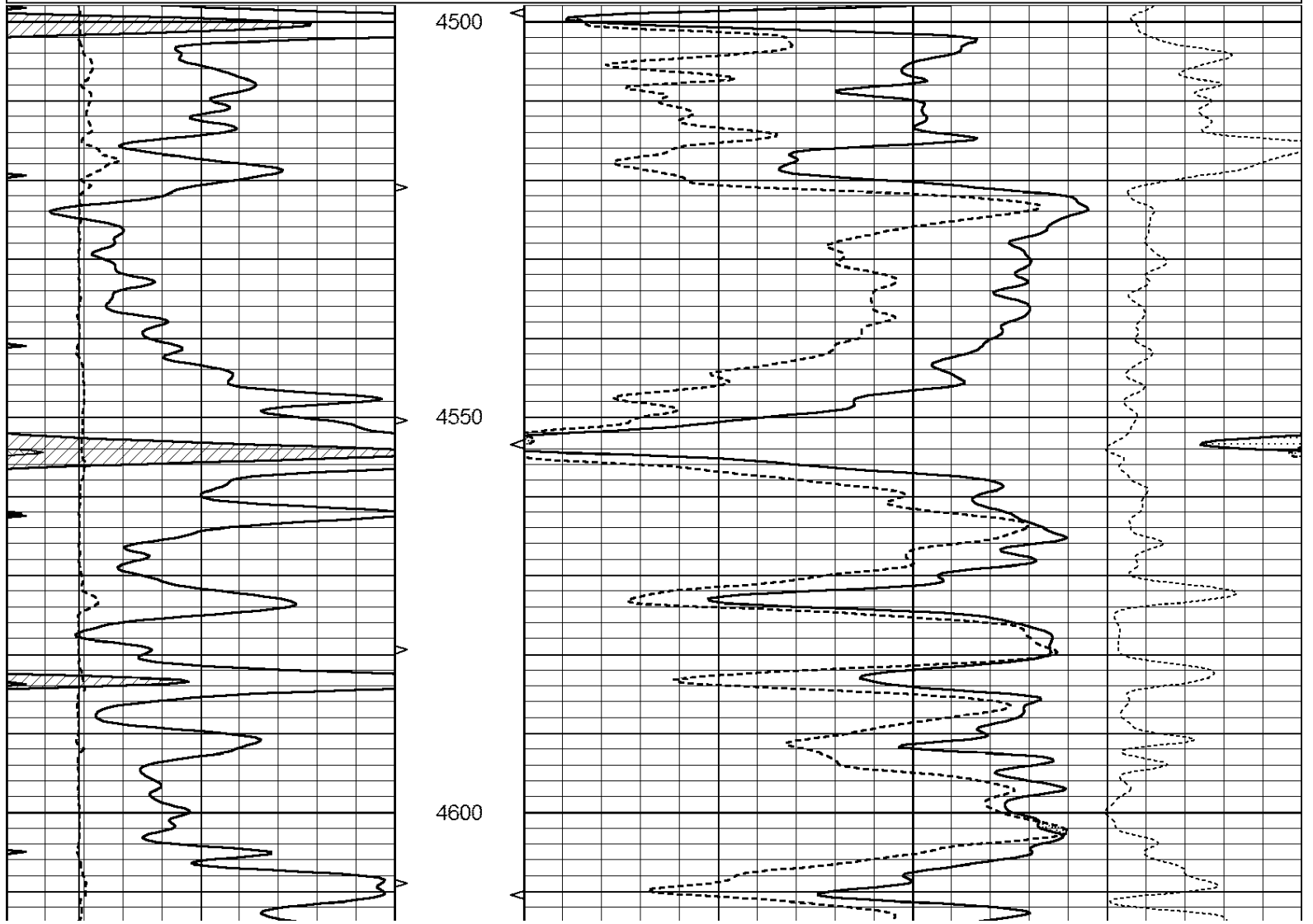


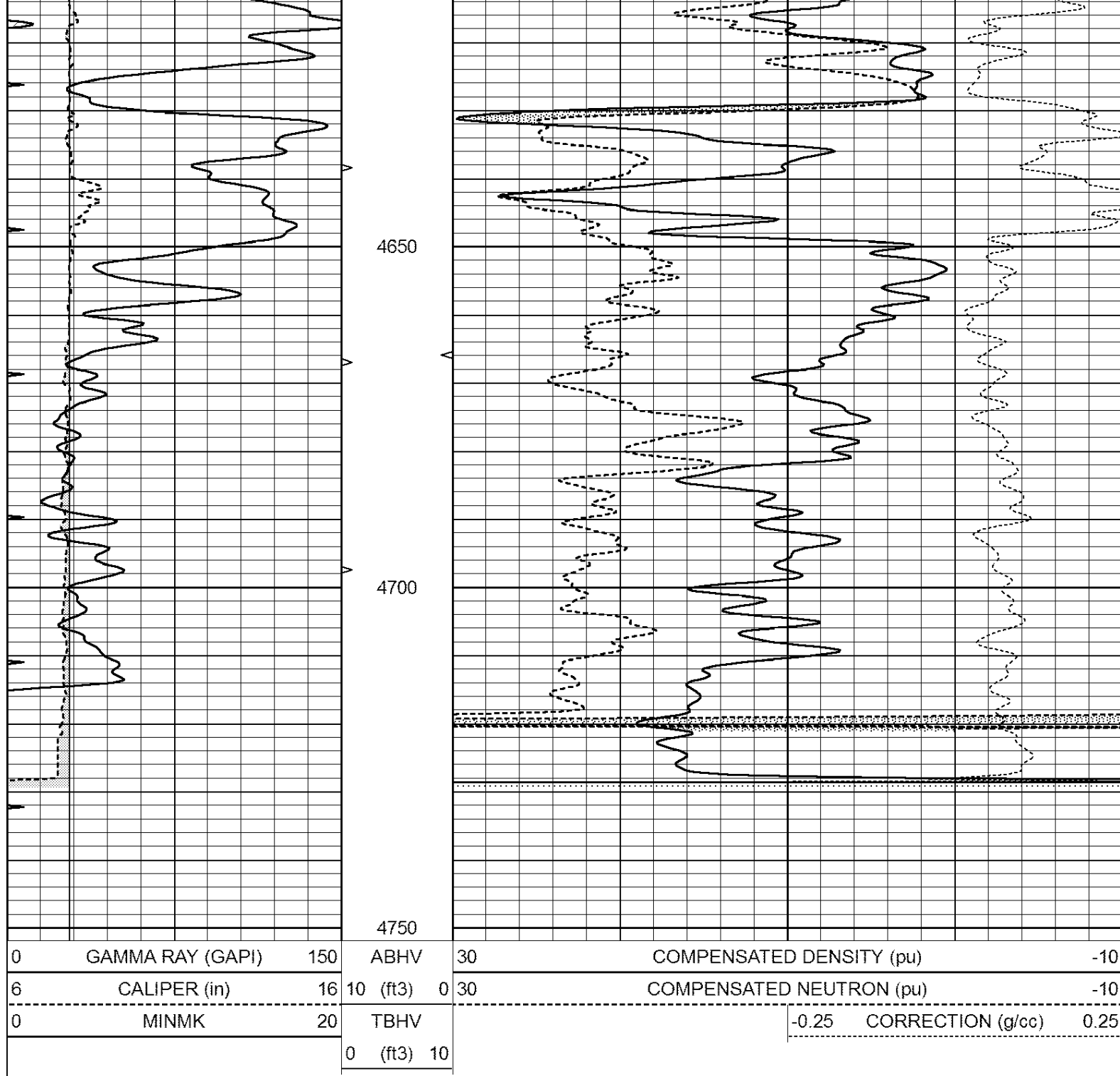
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REPEAT SECTION

Database File: 007077ddn.db
Dataset Pathname: pass2.8
Presentation Format: den_neu
Dataset Creation: Sat Jun 25 02:10:28 2011 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		





Calibration Report

Database File: 007077ddn.db
 Dataset Pathname: pass3.10
 Dataset Creation: Sat Jun 25 02:30:41 2011

Dual Induction Calibration Report

Serial-Model: DIL3-GEAR
 Performed: Tue Jun 21 22:02:01 2011

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.011	0.656	V	0.000	400.000	mmho/m	640.000	9.000
Medium	0.013	0.740	V	0.000	462.500	mmho/m	700.000	-4.000

Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.002	0.645	V	0.000	400.000	mmho/m	622.059	-1.071
Medium	0.007	0.740	V	0.000	462.500	mmho/m	631.393	-4.555

Litho Density Calibration Report
Serial: 006 Model: PRB
Performed Sun Aug 15 09:48:41 2010

Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	1686.6	11612.8	3932.0	12718.8	cps
Window 2	1531.4	9204.7	3267.8	9851.9	cps
Window 3	1198.3	4733.6	1952.5	4920.6	cps
Window 4	317.3	321.2	325.9	303.6	cps
Long Space	0.0	7673.3	1736.4	8320.4	cps
Short Space	1.7	2548.5	1657.2	2628.8	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 43.8	Rib Slope	: 0.961	Density/Spine Ratio	: 0.569
Spine Angle	: 73.8	Spine Slope	: 3.453	Spine Intercept	: -18.1

Caliper

	Readings	Reference	
Low Ref	4.4	8.2	
High Ref	6.7	15.0	
Gain: 3.0			Offset: -5.1

Compensated Neutron Calibration Report

Serial Number: NEU_4I
Tool Model: G

CALIBRATION

Detector	Readings	Target	Normalization
Short Space	996.00 cps	1000.00 cps	1.0000
Long Space	977.00 cps	1000.00 cps	1.0000

Gamma Ray Calibration Report

Serial Number: GR4
Tool Model: OPEN
Performed: Sat Jun 25 00:59:20 2011

Calibrator Value: 200.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 189.0 cps

Sensitivity: 3.7000 GAPI/cps