



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY / NEUTRON
LOG

Company VAL ENERGY, INC.
Well STEVE MICHEL #3-10
Field ROUNDUP SOUTH
County BARBER
State KANSAS

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County BARBER State KANSAS

Location: API # : 15-007-23502-0000
2145' FNL & 330' FWL
N/2 - SW - SW - NW
SEC 10 TWP 34S RGE 11W
Permanent Datum GROUND LEVEL Elevation 1343
Log Measured From KELLY BUSHING 11' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
DIL/MEL
Elevation
K.B. 1364
D.F. 1362
G.L. 1343

Date	2/21/10		
Run Number	ONE		
Depth Driller	4699		
Depth Logger	4698		
Bottom Logged Interval	4674		
Top Log Interval	3300		
Casing Driller	8 5/8"@207'		
Casing Logger	208		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4,000 PPM	
Density / Viscosity	8.9/60		
pH / Fluid Loss	10.5/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.850@62F		
Rmf @ Meas. Temp	.638@62F		
Rmc @ Meas. Temp	1.02@62F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.432@122F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	2:00 P.M.		
Maximum Recorded Temperature	122F		
Equipment Number	0836		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	STEVE VAN BUSKIRK		

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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

MEDICINE LODGE, KS. (JUNCTION OF HWY 160 & 281) 13S. ON HWY 281 TO "SCOTT CANYON RD.",
3E. PAST (DEAD END) "NORSTAR RD.", CURVE LEFT TWORDS FARM THEN RIGHT@ PUMPING UNI

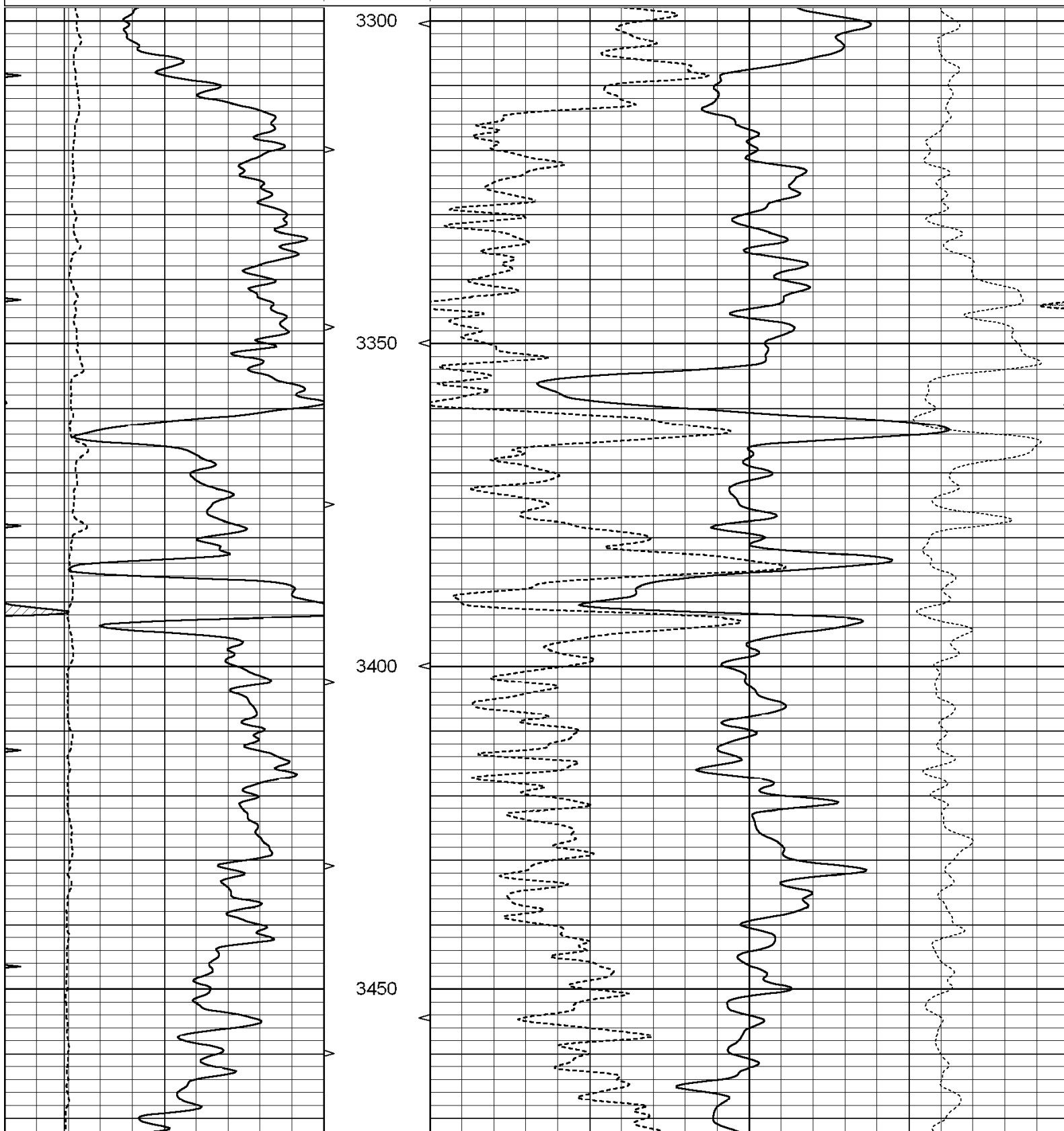


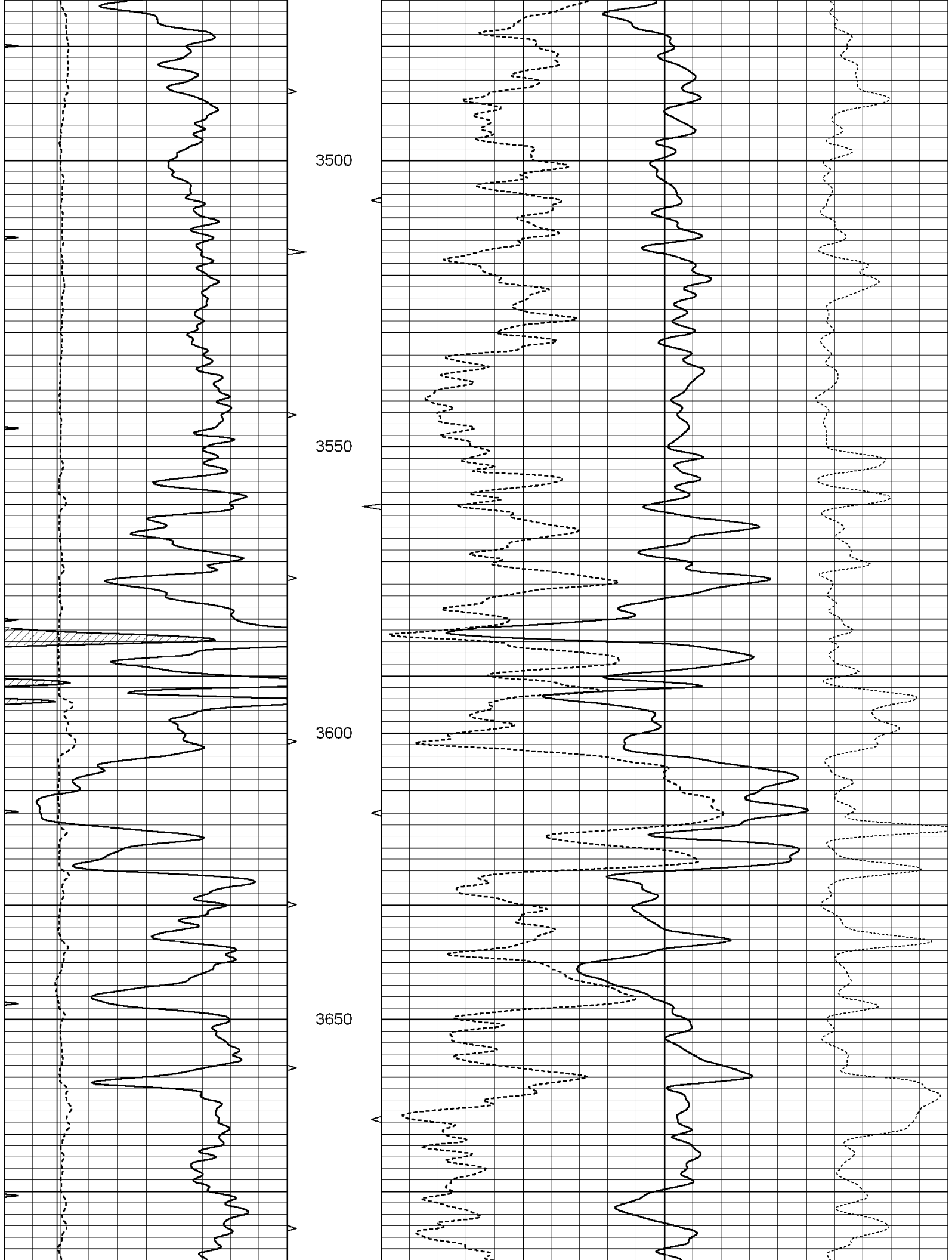
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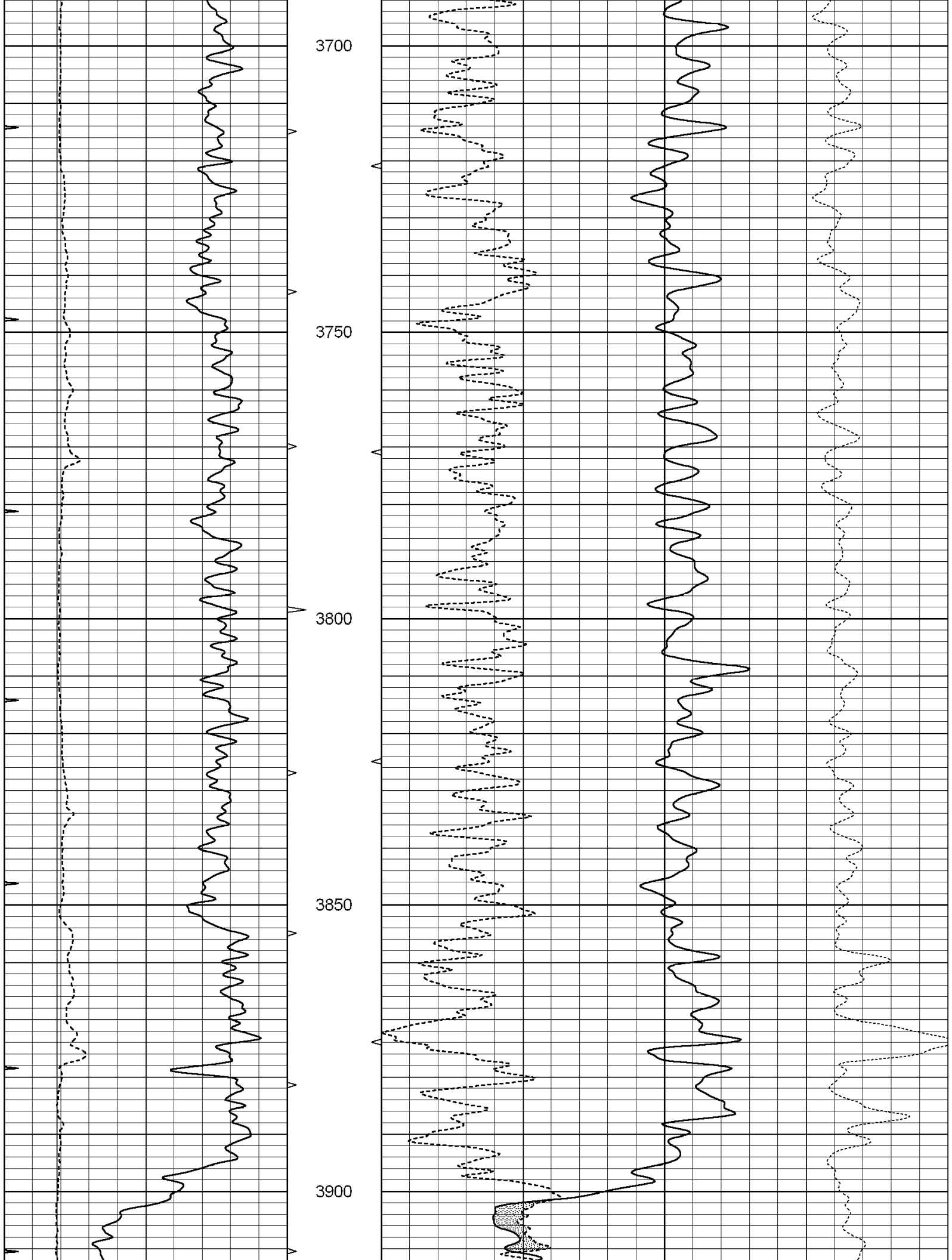
MAIN SECTION

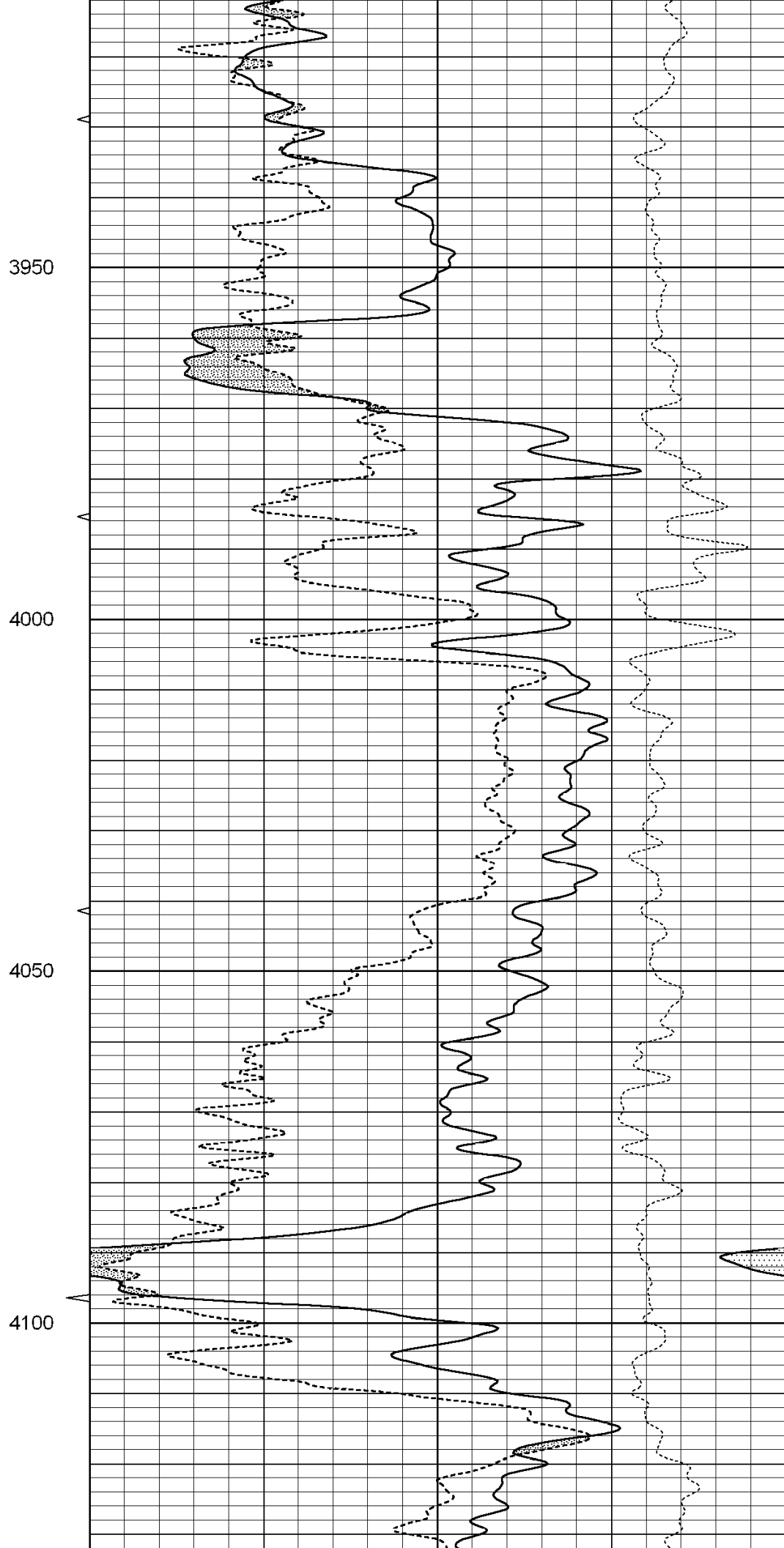
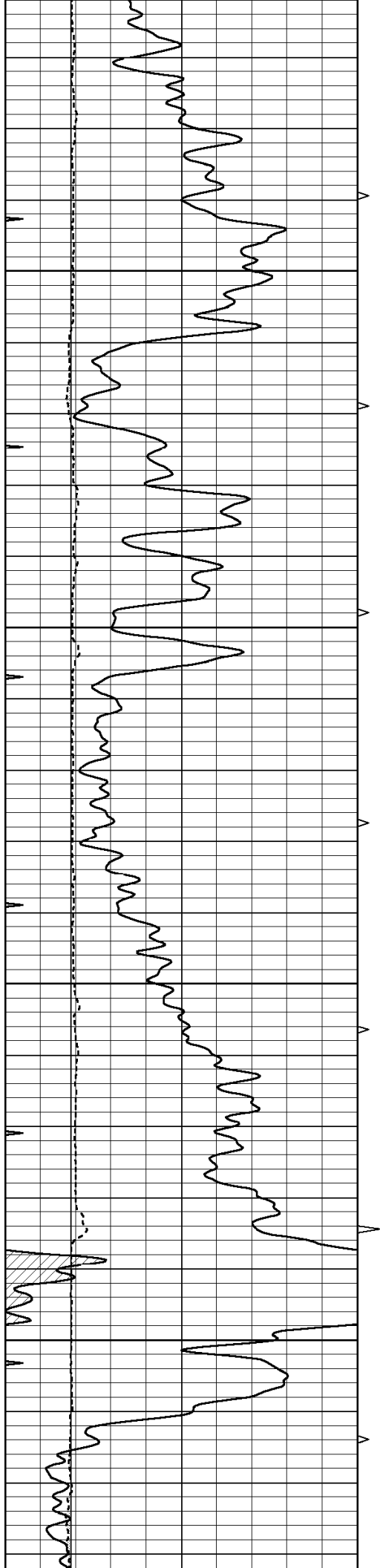
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Dataset Creation: Sun Feb 21 15:11:22 2010 by Calc Open-Cased 060407
Charted by: Depth in Feet scaled 1:240

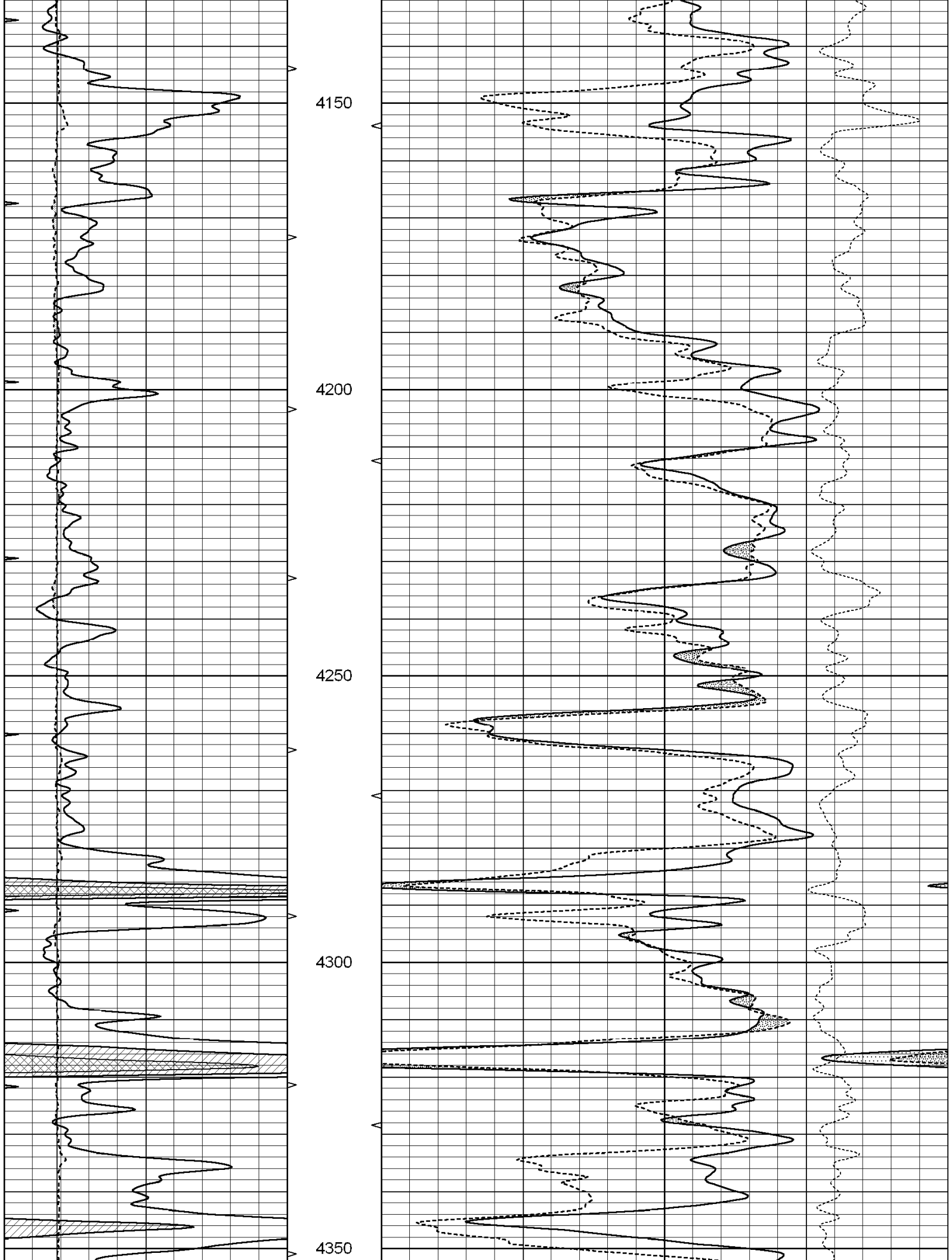
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10			

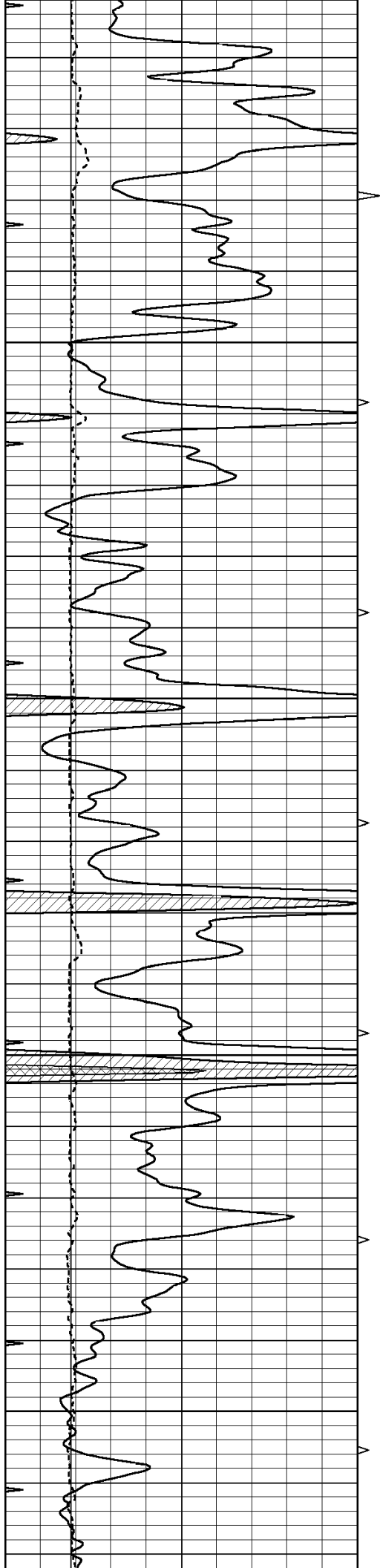










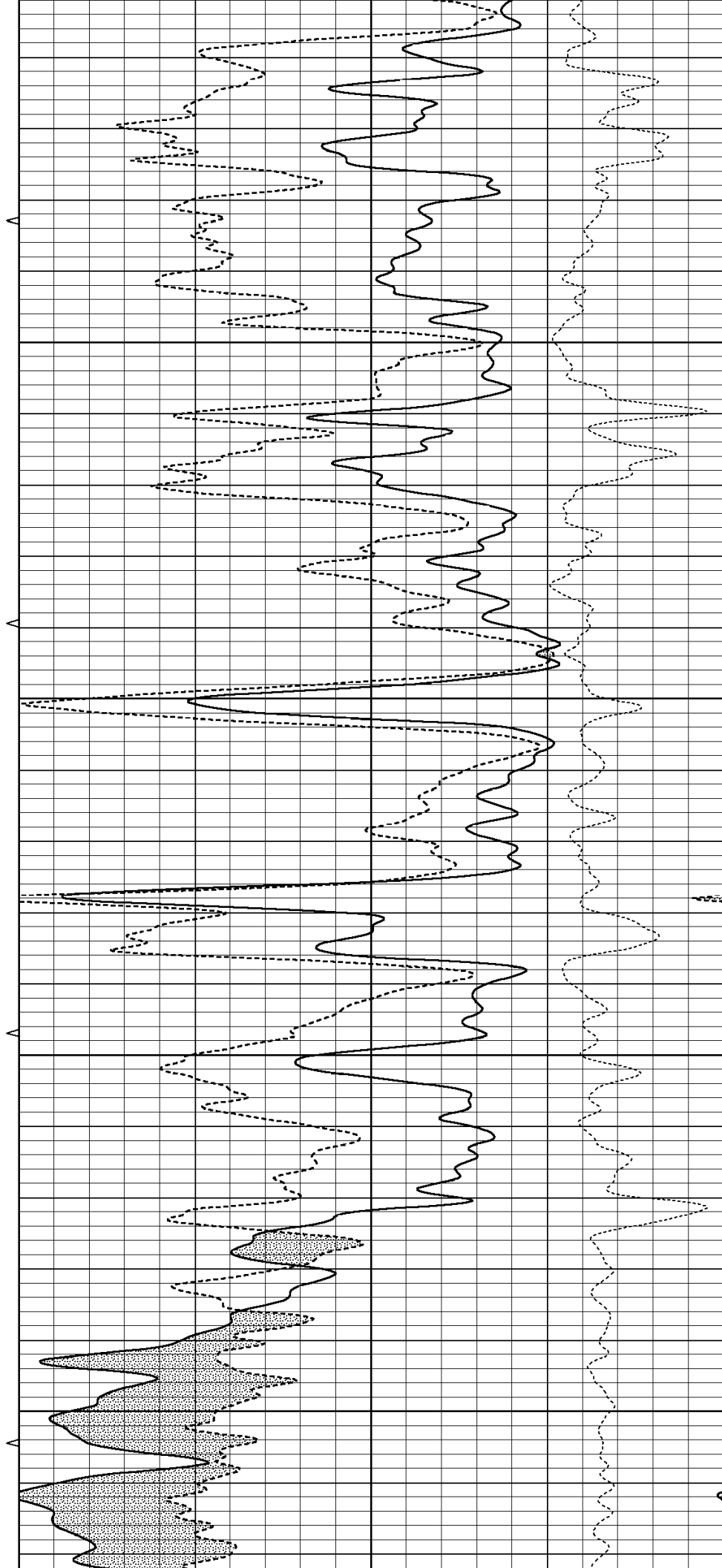


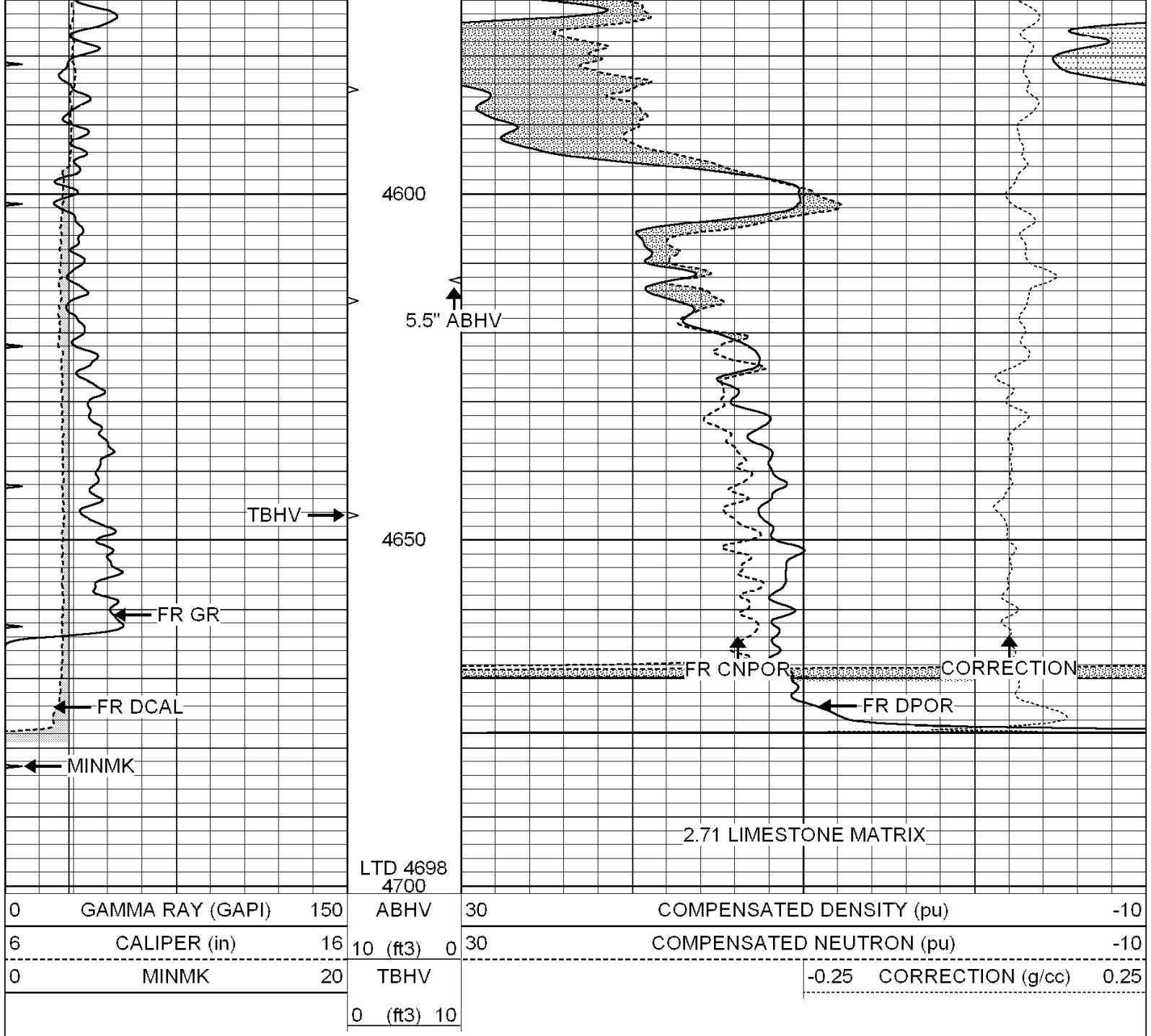
4400

4450

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REPEAT SECTION

Database File: 004722ddn.db

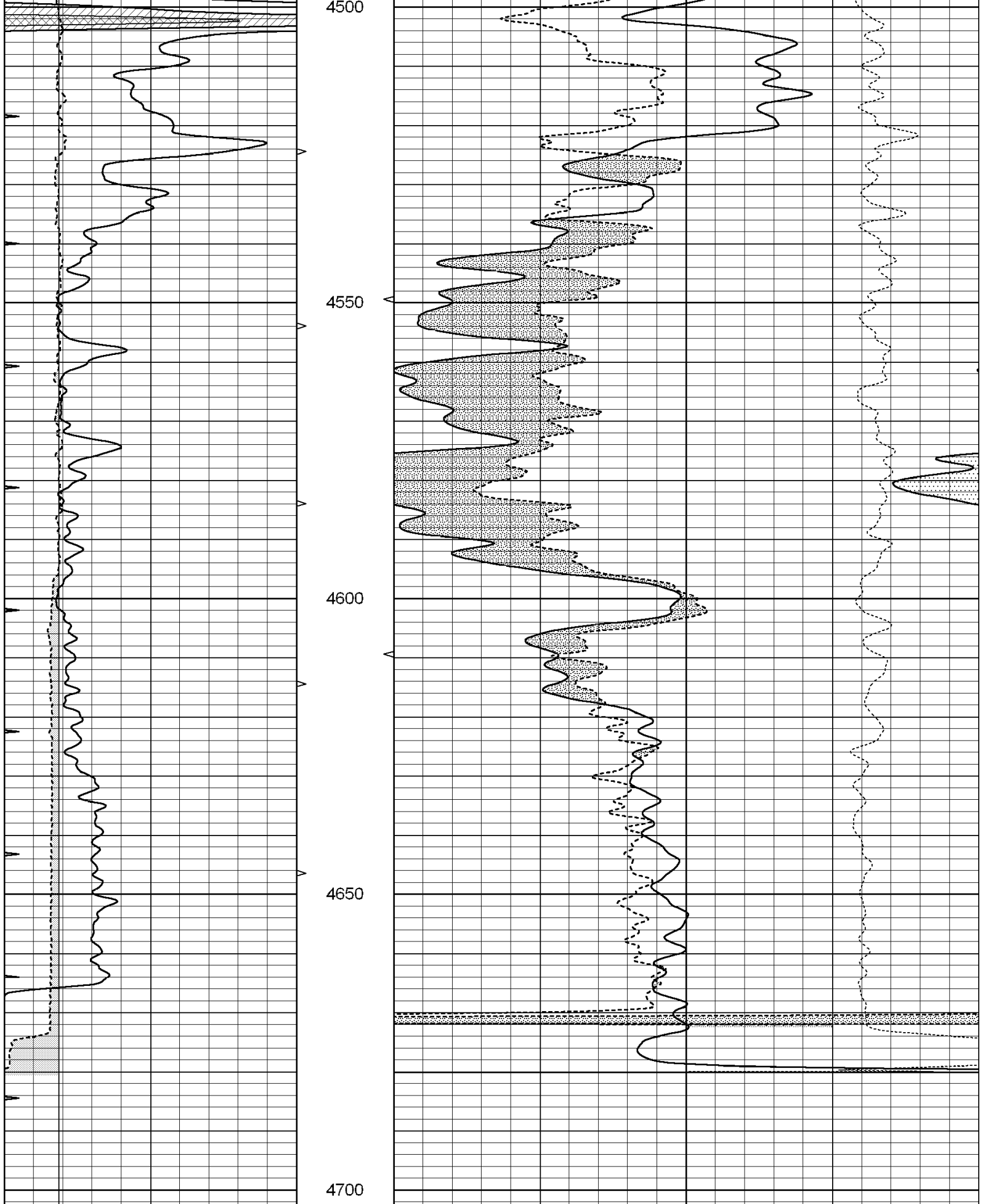
Dataset Pathname: pass2.5

Presentation Format: den_neu

Dataset Creation: Sun Feb 21 15:34:16 2010 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	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25	CORRECTION (g/cc) 0.25
			0 (ft3)	10		



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

Calibration Report

Database File: 004722ddn.db
 Dataset Pathname: pass3.3
 Dataset Creation: Sun Feb 21 15:11:22 2010 by Calc Open-Cased 060407

Dual Induction Calibration Report

Serial-Model: DIL6-GEAR
 Performed: Sun Feb 21 13:21:04 2010

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.001	0.644	V	0.000	400.000	mmho-m	660.000	-5.000
Medium	0.020	0.738	V	0.000	462.500	mmho-m	740.000	-27.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.000	1.000	V	0.000	1.000	mmho-m	1.000	0.000
Medium	0.000	1.000	V	0.000	1.000	mmho-m	1.000	0.000

Litho Density Calibration Report
 Serial: 004N Model: PRB
 Performed Tue Sep 08 13:49:55 2009

Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	1535.8	11161.3	3721.6	12498.8	cps
Window 2	1402.6	9435.7	3219.7	10417.7	cps
Window 3	1077.6	4422.0	1779.2	4753.4	cps
Window 4	337.3	342.8	337.4	343.7	cps
Long Space	0.0	8033.1	1817.0	9015.1	cps
Short Space	1.2	1671.8	1138.1	1813.0	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 45.5	Rib Slope	: 1.017	Density/Spine Ratio	: 0.573
Spine Angle	: 75.5	Spine Slope	: 3.865	Spine Intercept	: -19.7

Caliper

	Readings	Reference	
Low Ref	1.1	7.0	
High Ref	3.0	14.0	
Gain: 3.7			Offset: 3.0

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: Sun Feb 21 13:20:50 2010

Calibrator Value: 200.0 GAPI

Background Reading: 0.0 cps

Calibrator Reading: 189.0 cps

Sensitivity: 0.6500 GAPI/cps