

LOG-TECH

of Kansas
Inc.

GREAT BEND, KANSAS

GAMMA RAY NEUTRON
BOND LOG

Company LASSO ENERGY
Well CARVER #1
Field WILDCAT
County COWLEY State KANSAS

C - E/2 - SE

SEC. 25 TWP. 31S RGE. 4E

Permanent Datum GROUND LEVEL Elevation 1252
Log Measured From KELLY BUSHING 4' AGL
Drilling Measured From KELLY BUSHING

Elevation
K.B. 1256
D.F.
G.L. 1252

Date 7-30-2012

Run Number ONE
Depth Driller 3535
Depth Logger 3526
Bottom Logged Interval 3525
Top Log Interval 2806
Open Hole Size
Type Fluid WATER
Density / Viscosity
Max. Recorded Temp.
Estimated Cement Top
Time Well Ready
Time Logger on Bottom
Equipment Number 53
Location GREAT BEND
Recorded By LANCE GREGG
Witnessed By MR. BRUCE KELSO

Borehole Record
Run Number Bit From To Size Weight From To

Casing Record Size Wgt/Ft Top Bottom
Surface String 8.625 0 167
Prot. String
Production String 5.5 0 3016
Liner 4.5 0 3527

>>> Fold Here >>>

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.

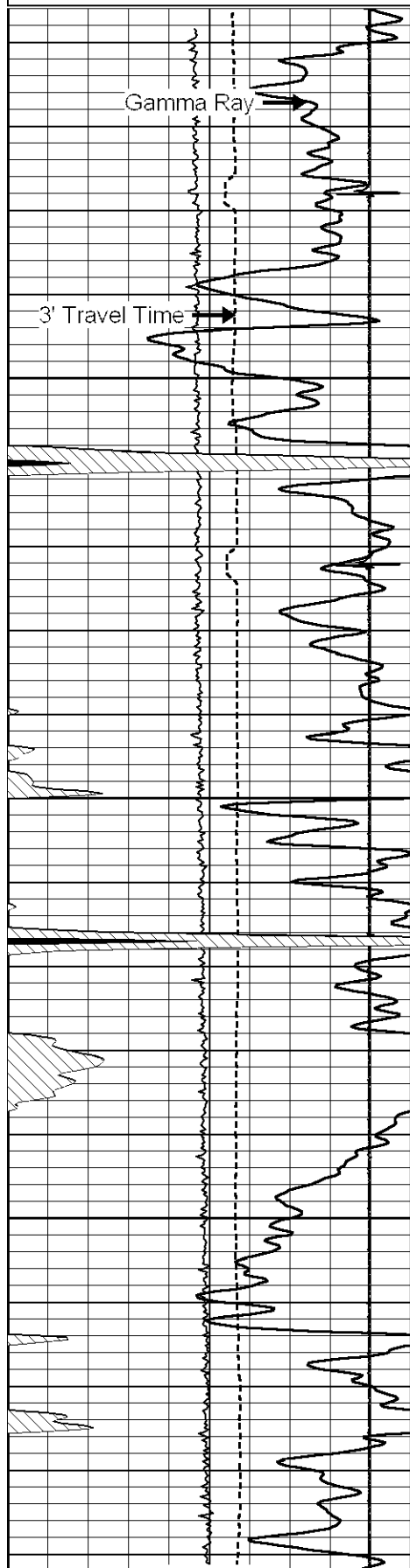
Comments

THANK YOU FOR USING LOG TECH OF KANSAS

Database File: carver1a.db
Dataset Pathname: pass11
Presentation Format: gr-n-ccl
Dataset Creation: Mon Jul 30 13:39:33 2012
Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150
0	LTEN (lb)	1100
150	GR (GAPI)	300
300	GR (GAPI)	450
320	TT3 (usec)	120
9	ccl	-1

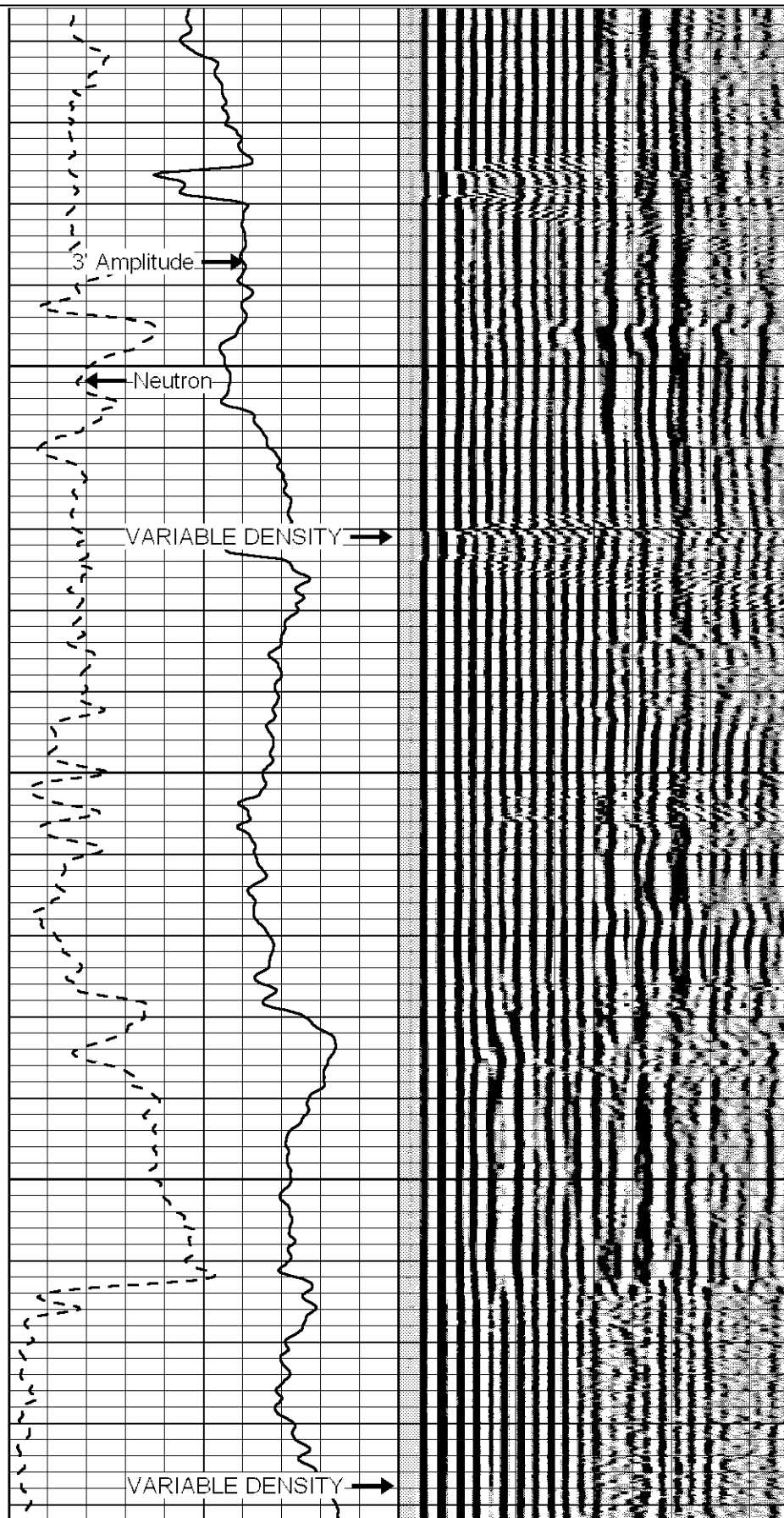
260	NEUTRON (cps)	2800
0	AMP3 (mV)	100
150	VARIABLE DENSITY	1150

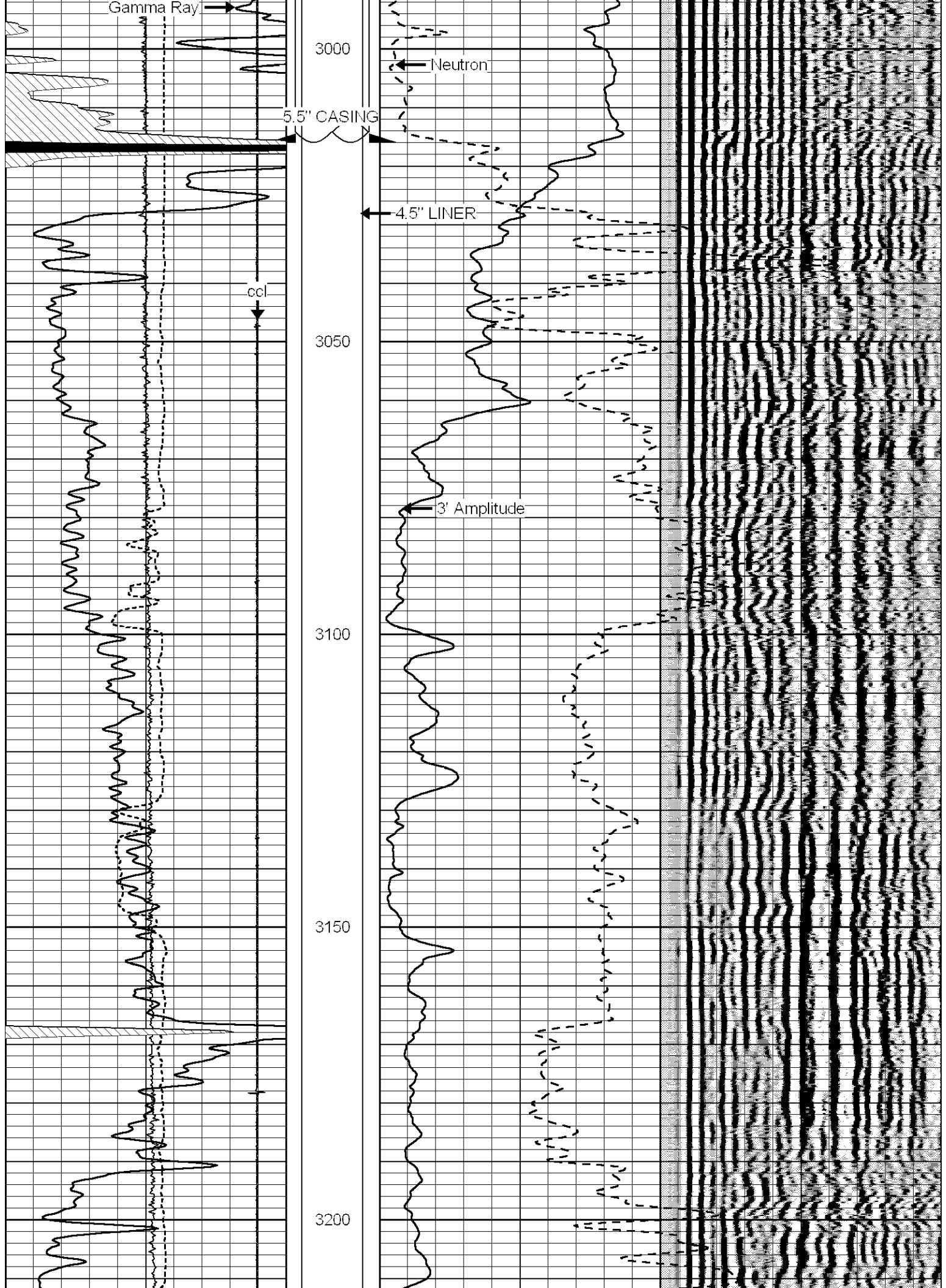


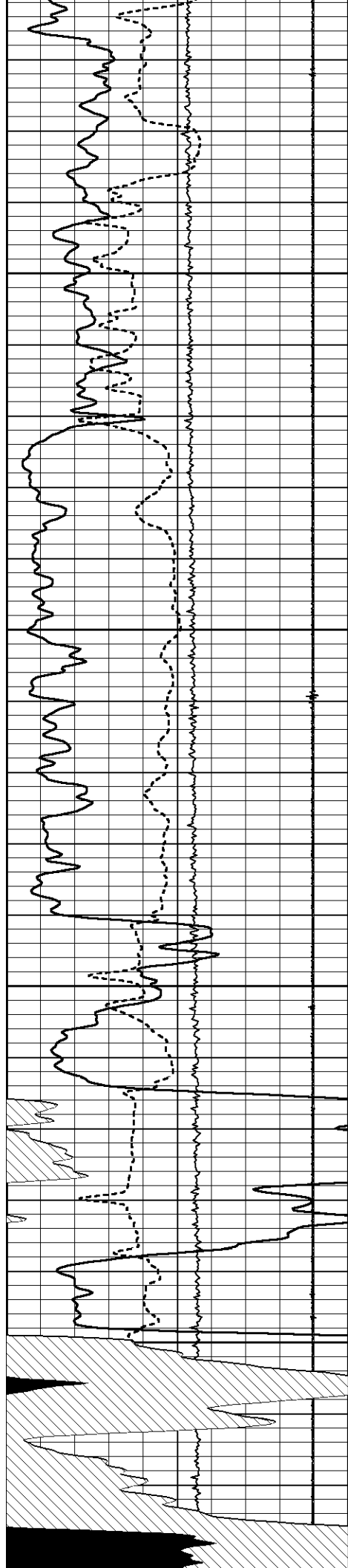
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2900

2950





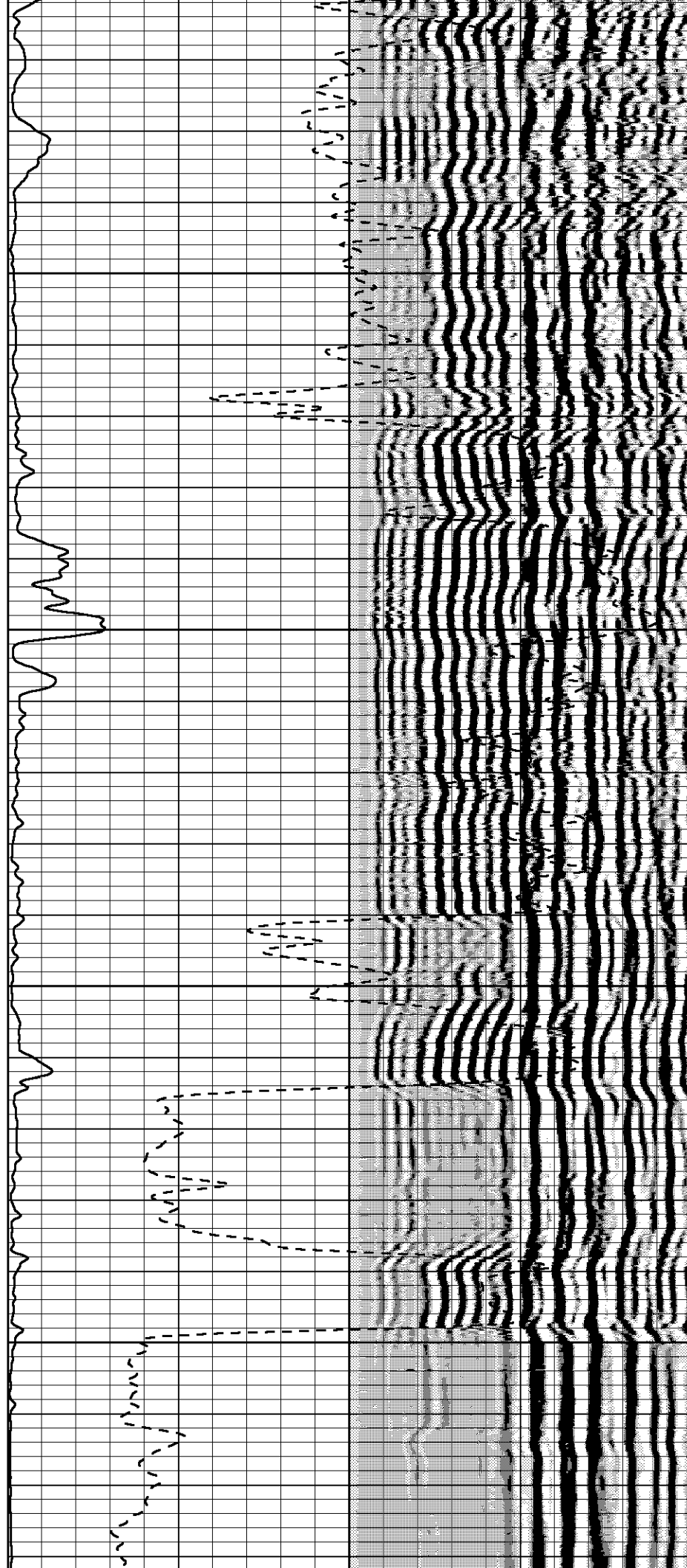


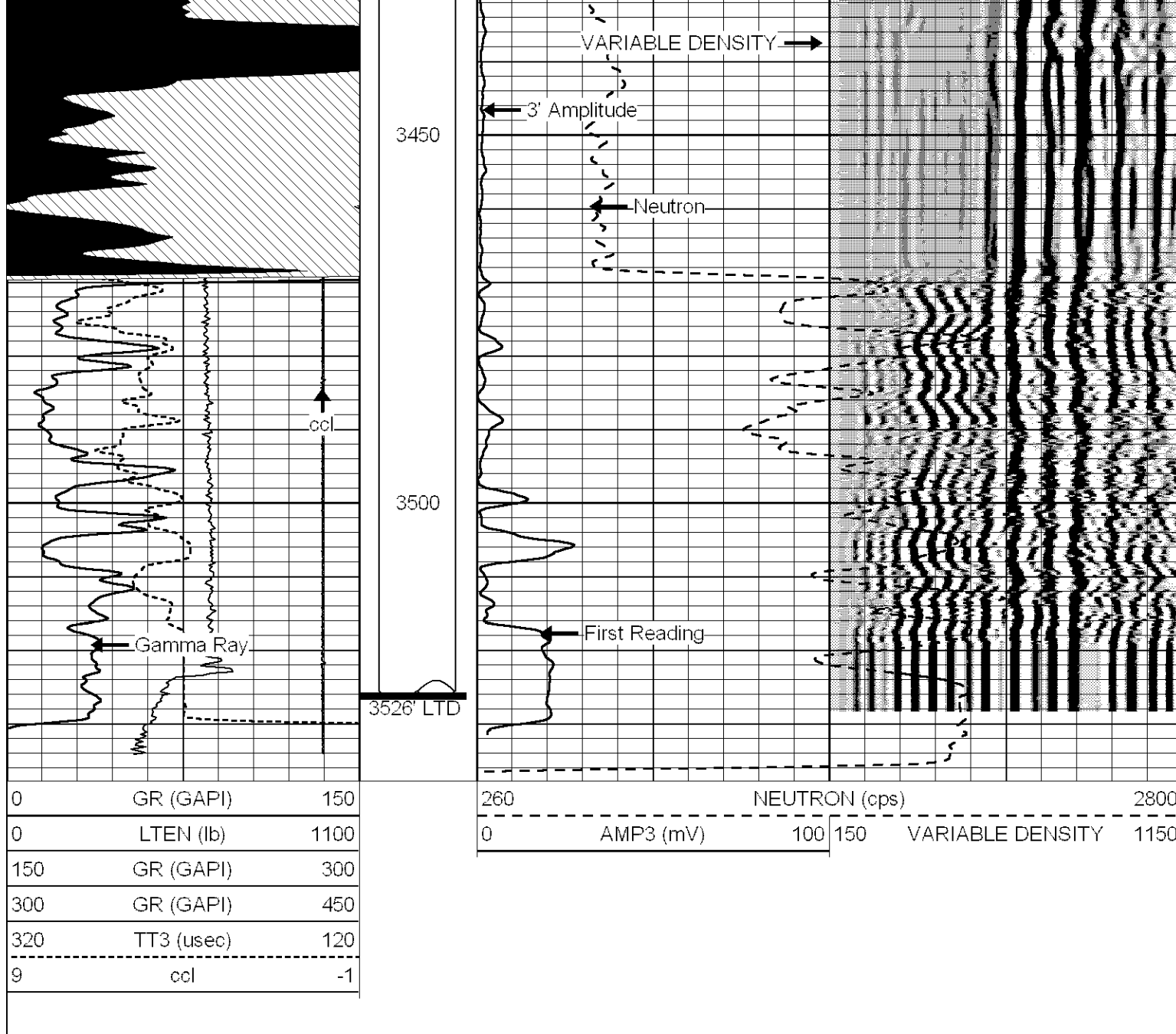
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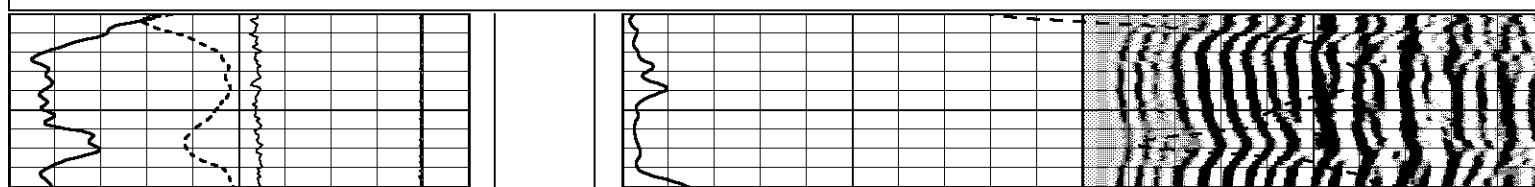
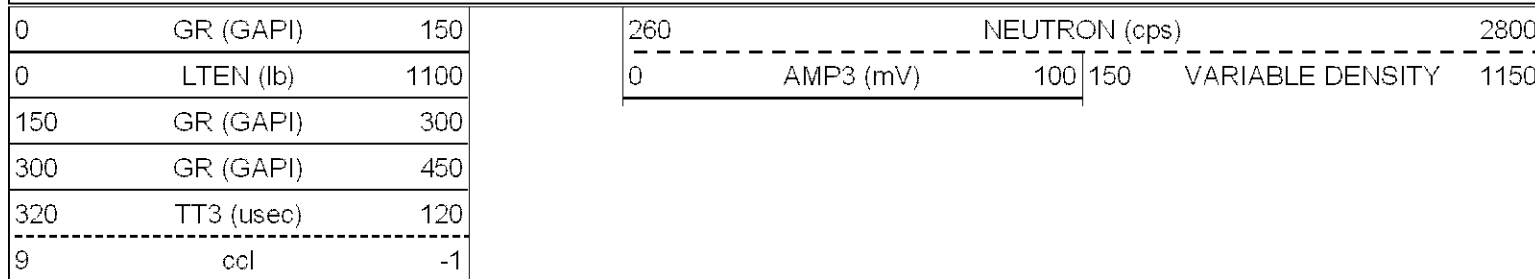
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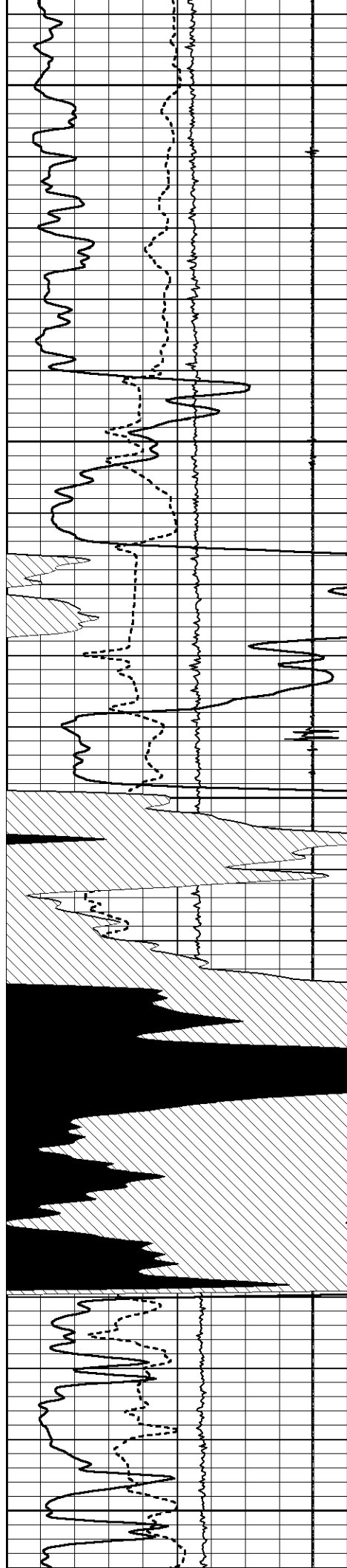
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Database File: carver1a.db
 Dataset Pathname: pass10
 Presentation Format: gr-n-ccl
 Dataset Creation: Mon Jul 30 13:33:39 2012
 Charted by: Depth in Feet scaled 1:240





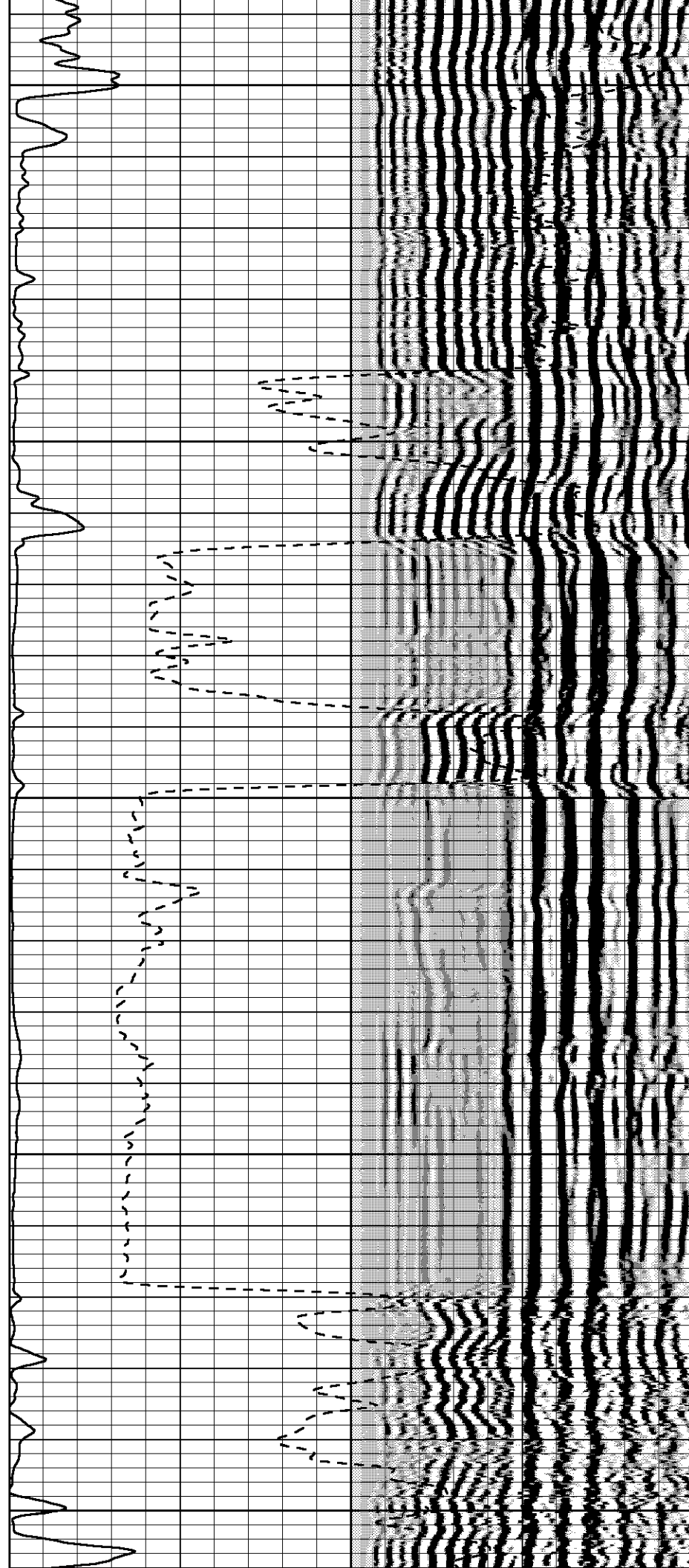
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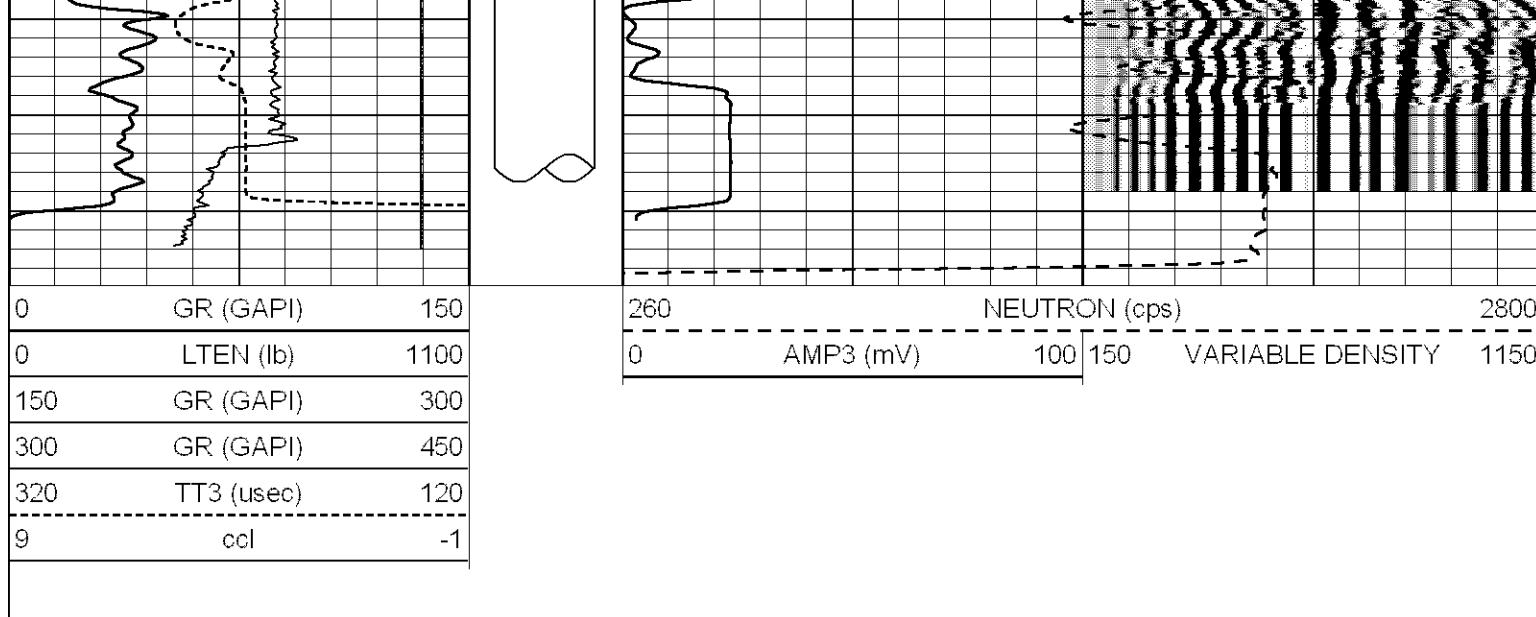
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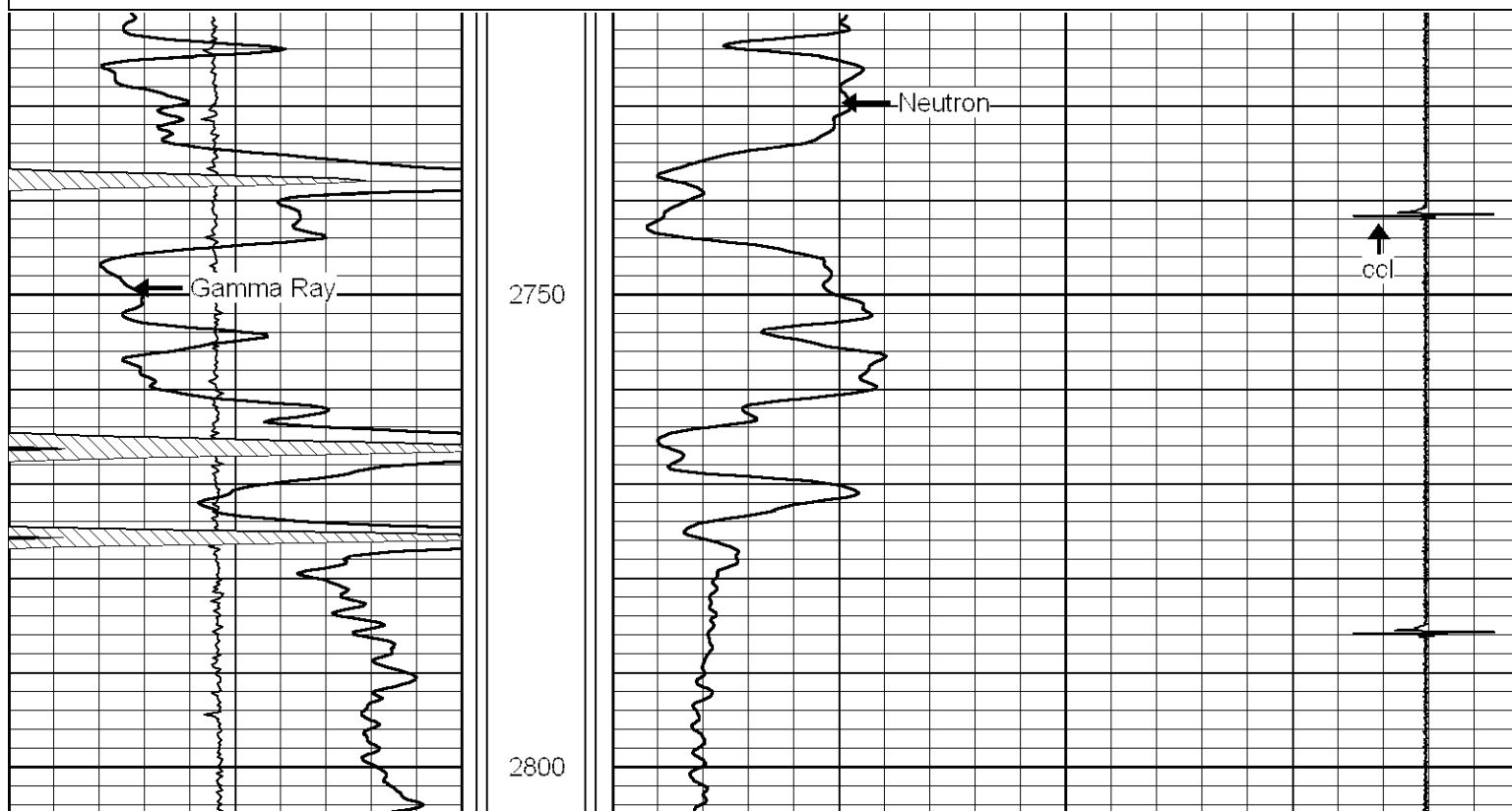


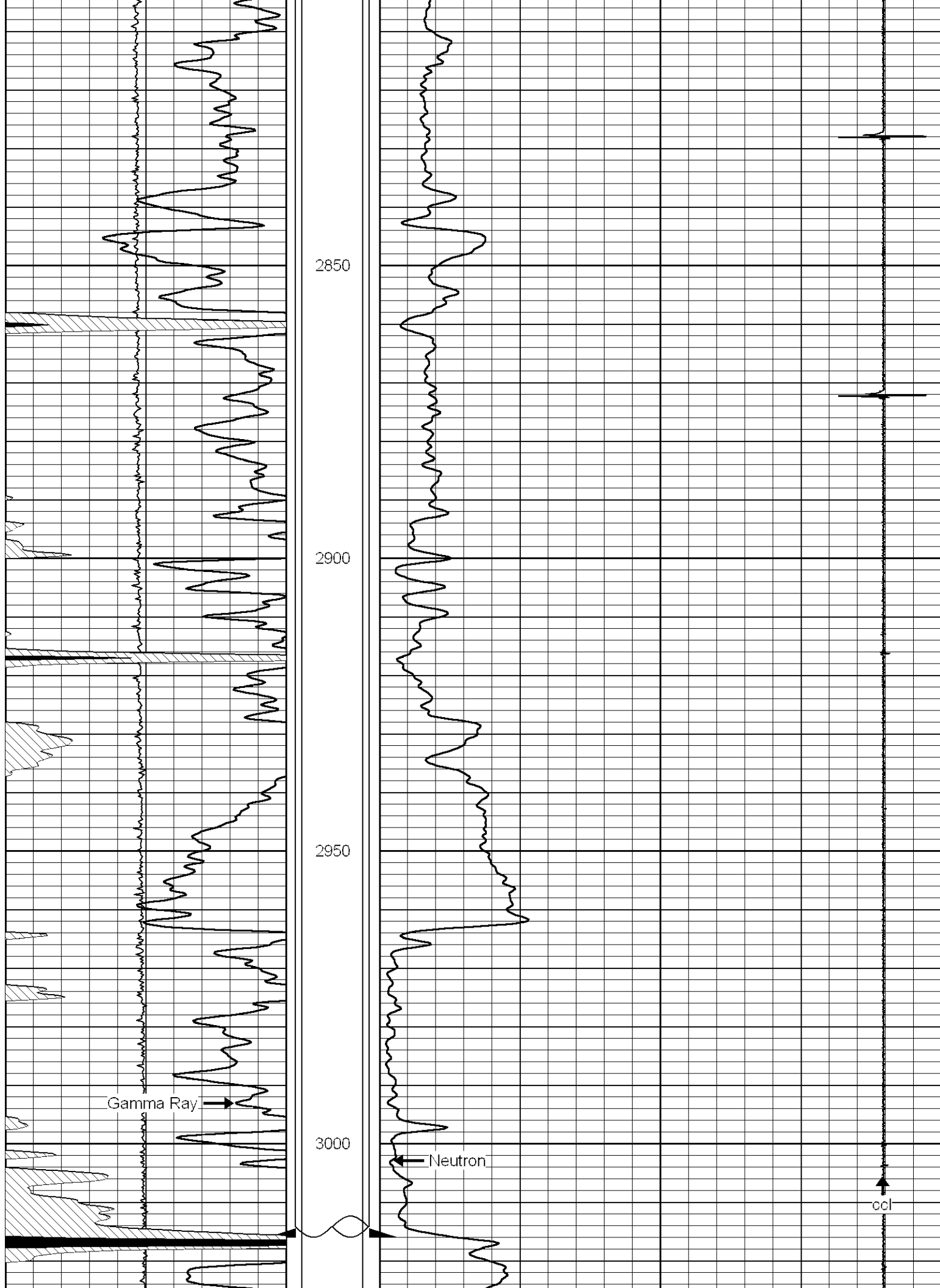
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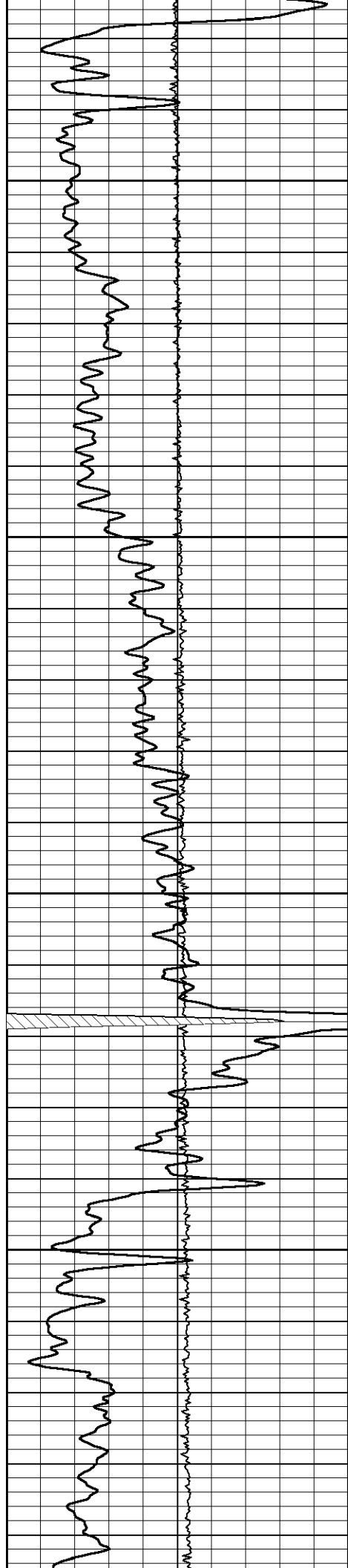
MAIN PASS

Database File: carver1a.db
 Dataset Pathname: pass3.4
 Presentation Format: gr-n-ccl
 Dataset Creation: Mon Jul 30 13:02:11 2012 by Log 6.1
 Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150	260	NEUTRON (cps)	2800
0	LTEN (lb)	1100	9	ccl	-1
150	GR (GAPI)	300			
300	GR (GAPI)	450			





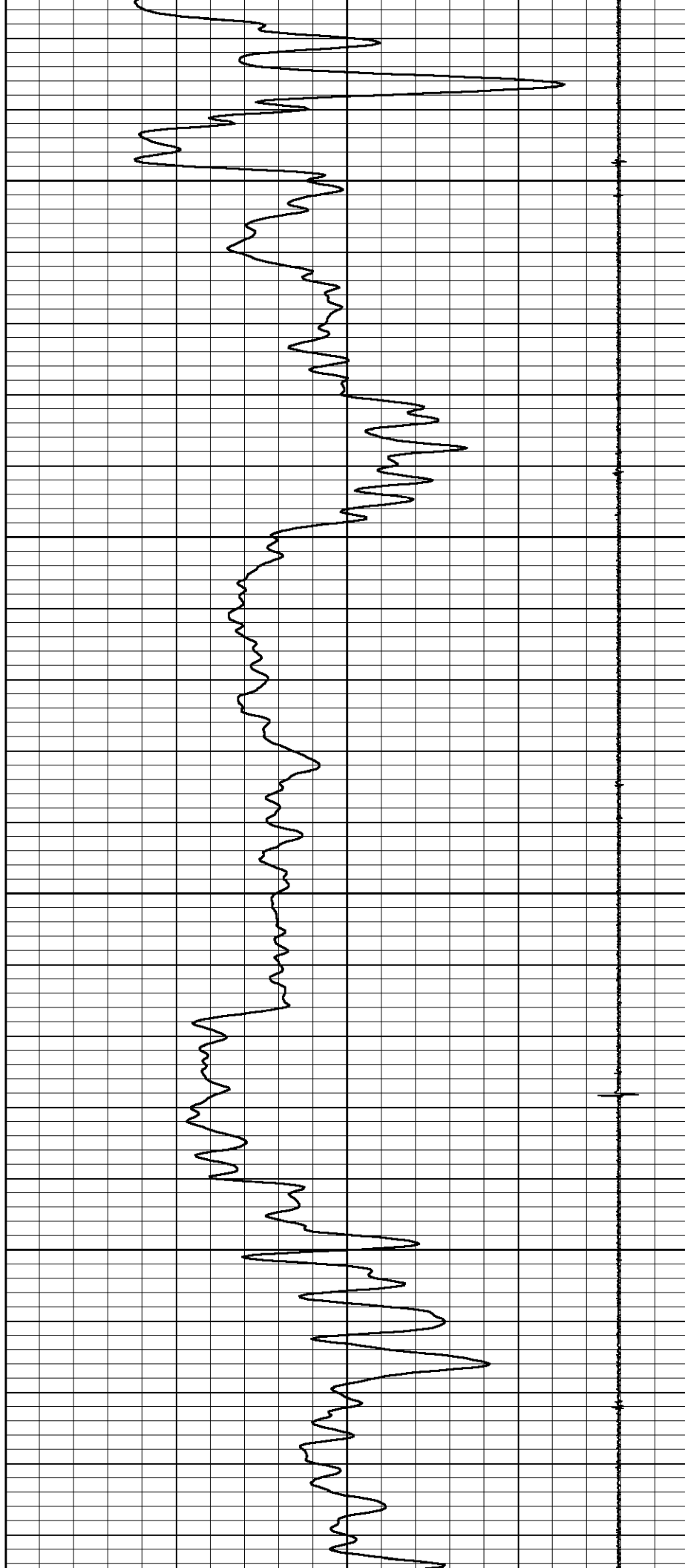


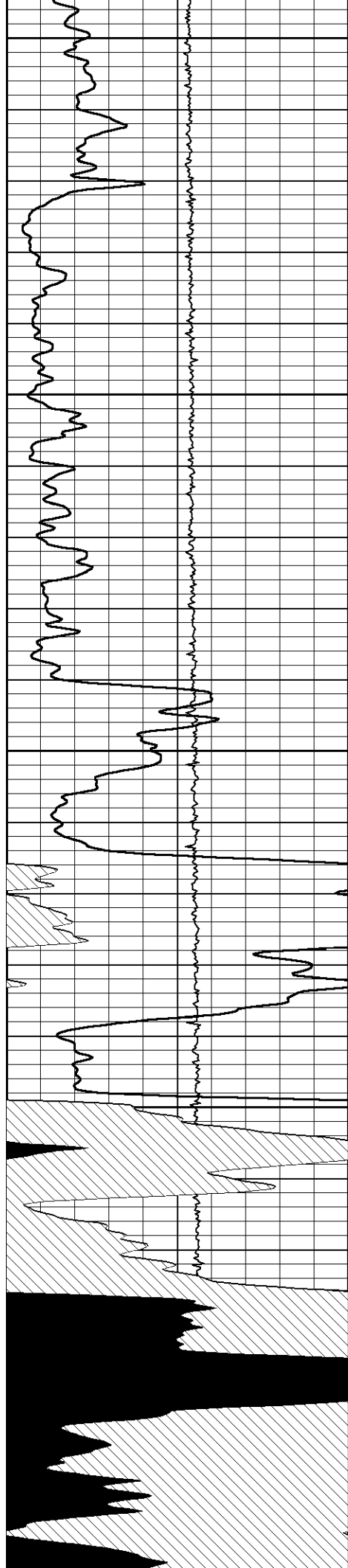
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3150

3200





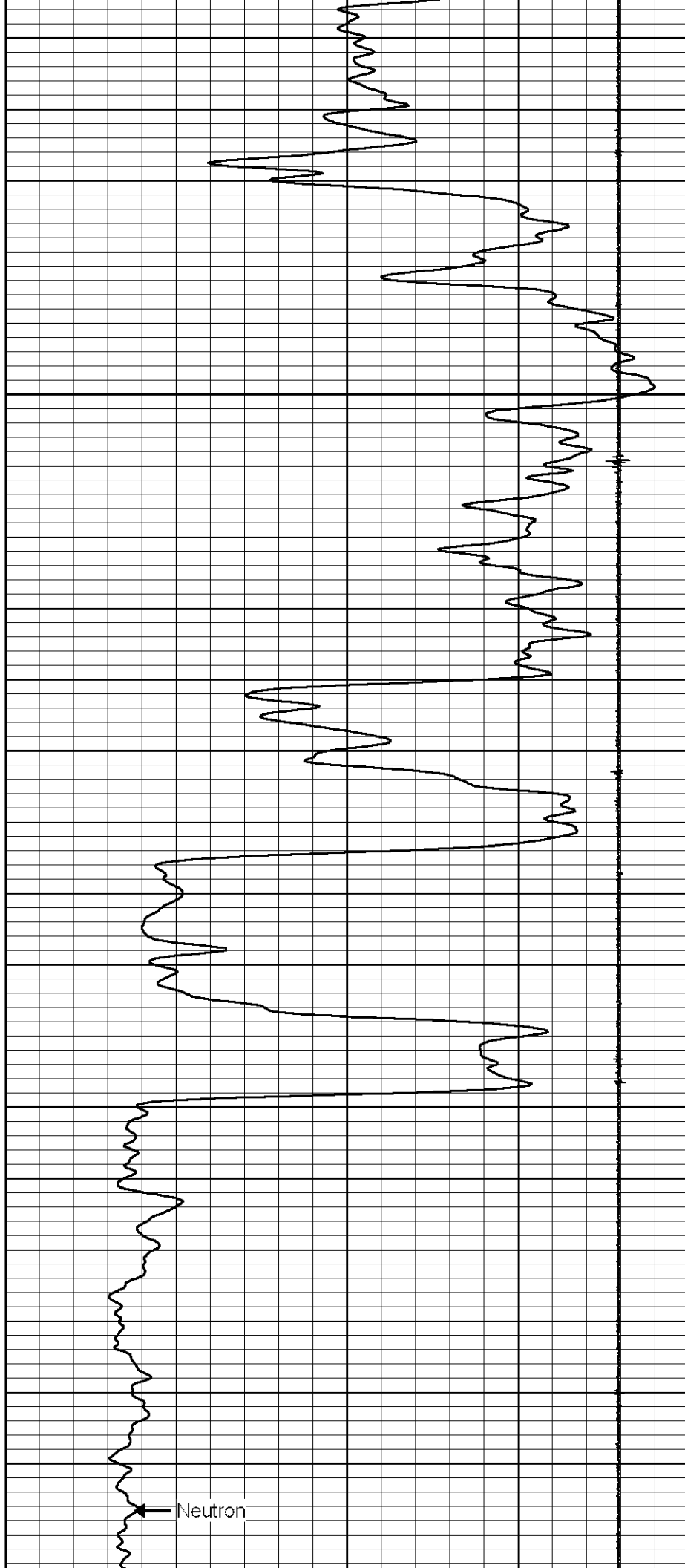
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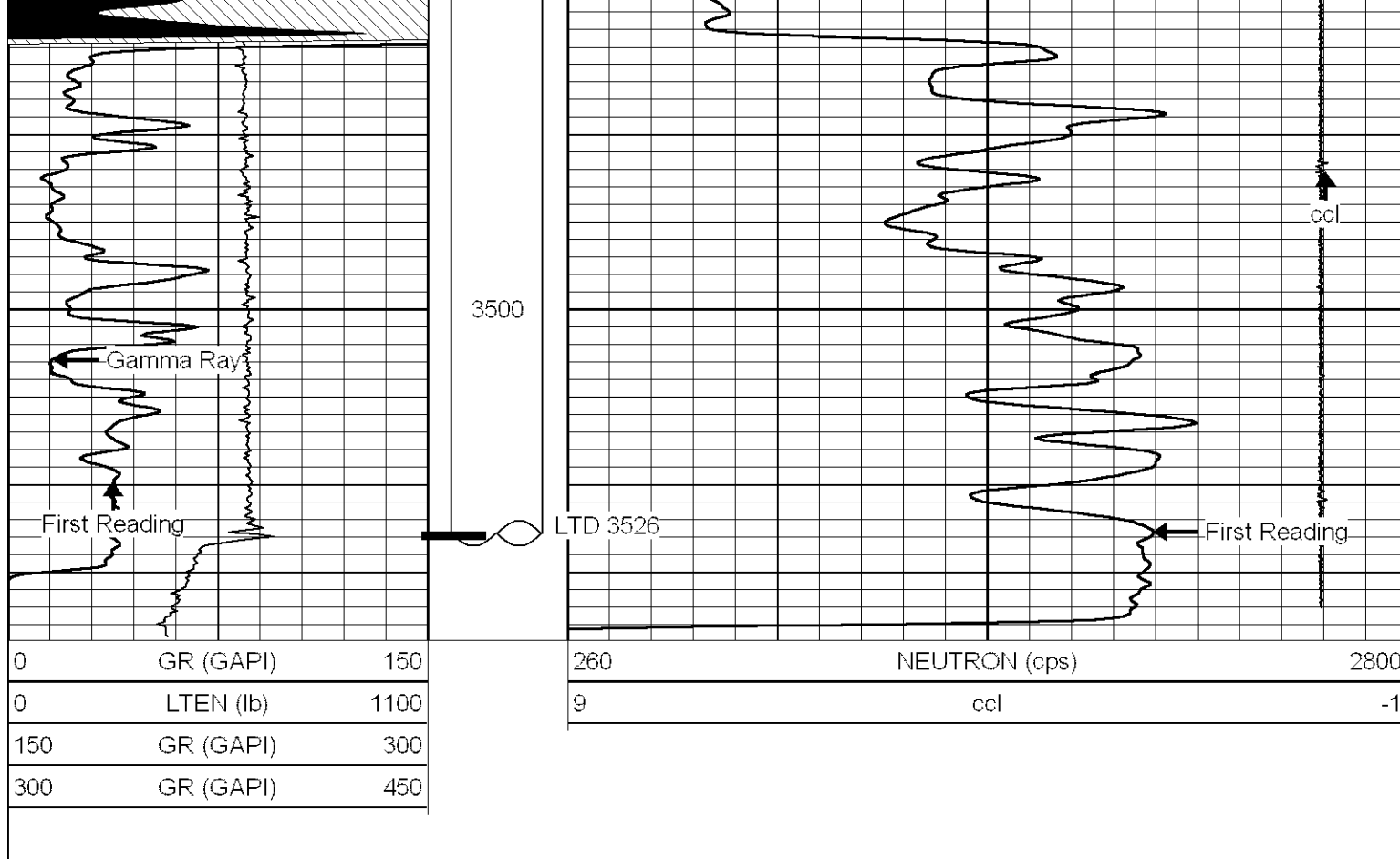
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3400

3450



Neutron

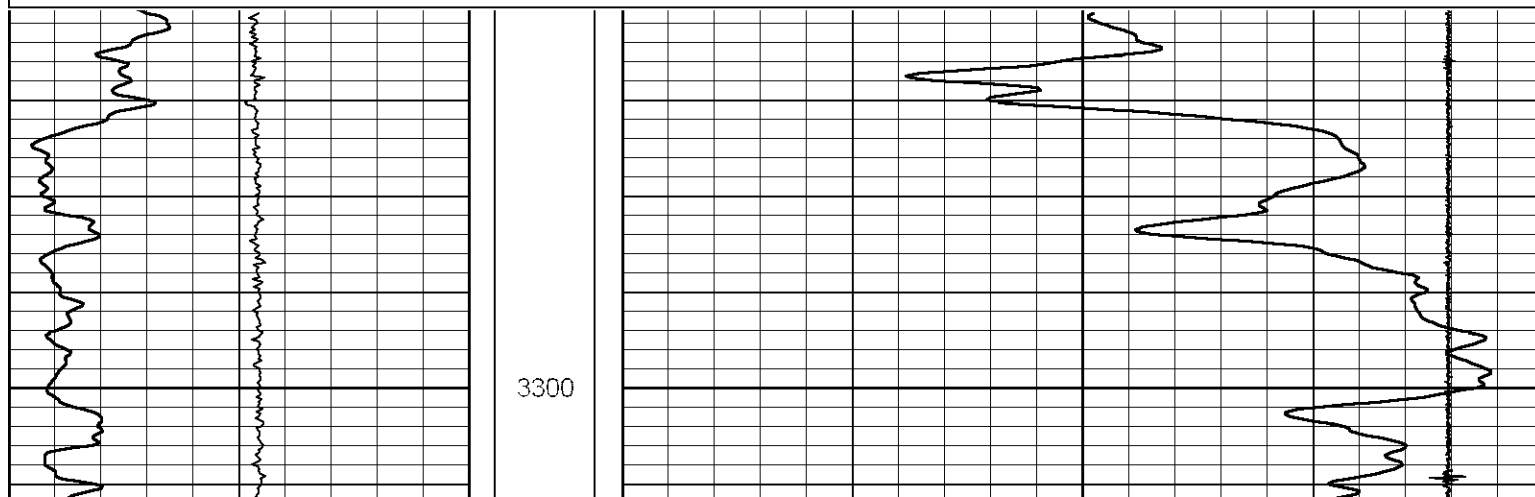


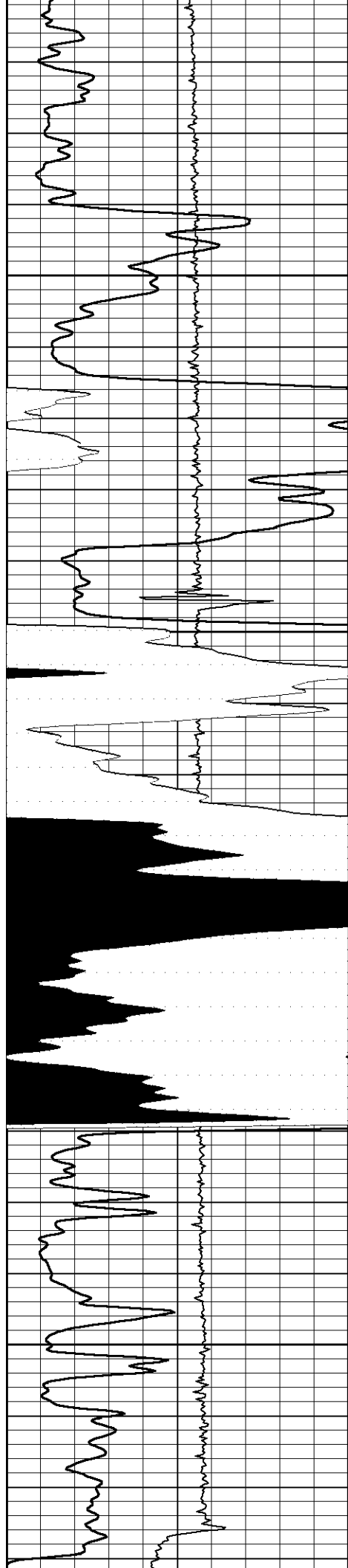
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REPEAT SECTION

Database File: carver1a.db
 Dataset Pathname: pass3.3
 Presentation Format: gr-n-ccl
 Dataset Creation: Mon Jul 30 12:51:15 2012 by Log 6.1
 Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150	260	NEUTRON (cps)	2800
0	LTEN (lb)	1100	9	ccl	-1
150	GR (GAPI)	300			
300	GR (GAPI)	450			



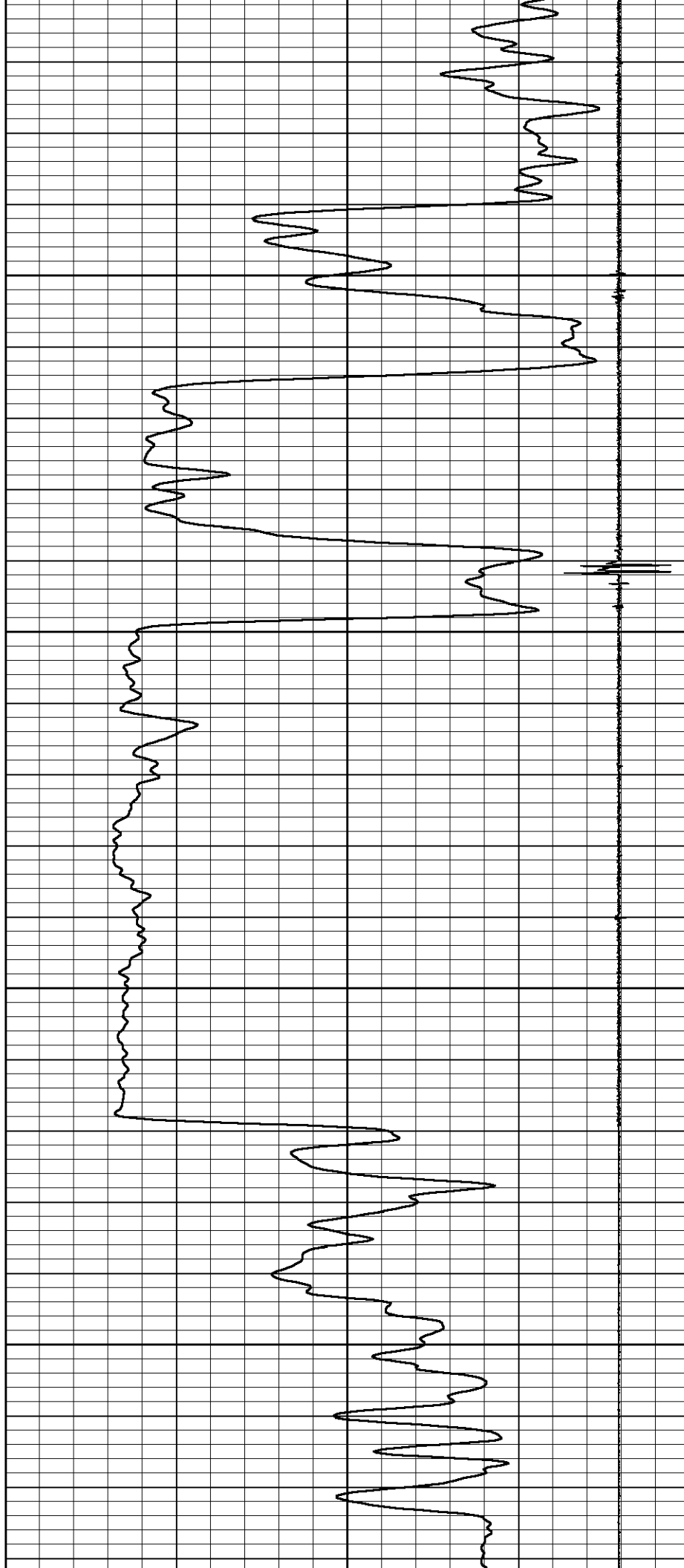


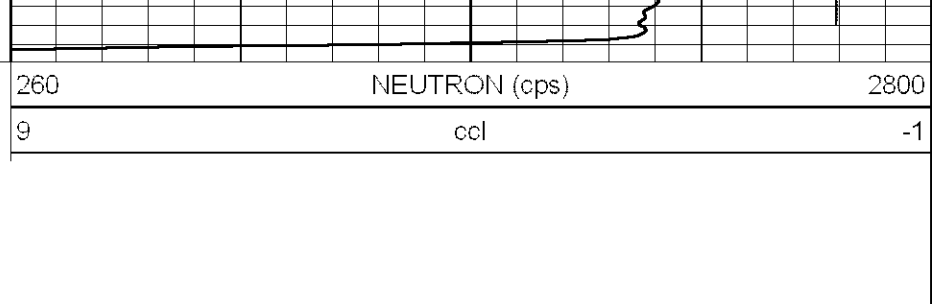
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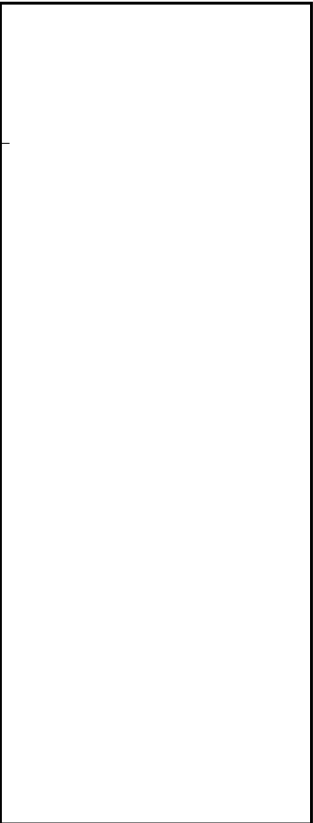
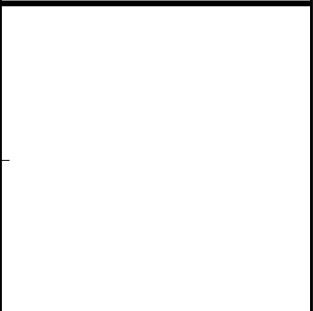
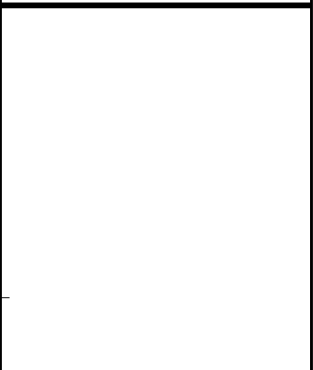
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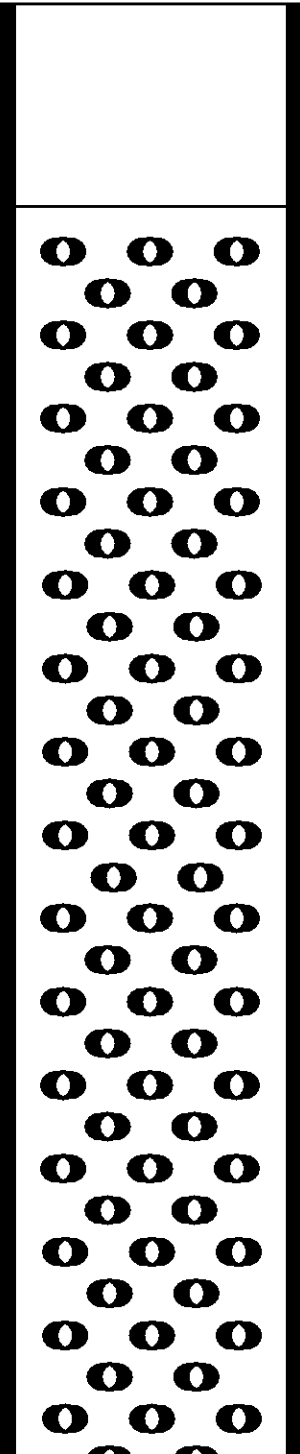


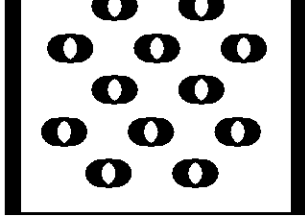


Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	7.73		CHD-STNDRD (1) Standard Cable Head	1.00	1.44	10.00
			GR-pgr1 (pgr01) pengobiggr	4.13	3.13	30.00
CCL	3.53		CCL-PCCL (PC1) PENGOCCL	1.56	3.13	10.00
NEU	1.29		NEU-PENGO1 (PN1) PENGOBIG	2.75	3.13	20.00



Dataset:	carver1a.db: field/well/run1/pass3.4
Total Length:	9.44 ft
Total Weight:	70.00 lb
O.D.	3.13 in

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
TT3 WVF3			_CHD-STNDRD (1) Standard Cable Head	1.00	1.44	10.00
	4.25 4.25		_CBL-sielong (b2gr2) big cbl tool	8.17	3.25	50.00



Dataset:	carver1a.db: field/well/run1/pass2.2
Total Length:	9.17 ft
Total Weight:	60.00 lb
O.D.	3.25 in