



GAMMA RAY NEUTRON

Company CASTLE RESOURCES INC.
Well WESSLER NO. 5
Field STOLTENBERG
County ELLSWORTH
State KANSAS

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Location: API #: 15-053-21342-00-00

SEC 19 TWP 17 S RGE 9 W
880' FSL & 1850' FEL

Permanent Datum GROUND LEVEL Elevation 1769'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 1776
D.F. 1775
G.L. 1771

Date 1/11/2016

Run Number ONE
Depth Driller 3700'
Depth Logger 3698'
Bottom Logged Interval 3698'
Top Log Interval 0'
Open Hole Size 8 5/8"
Type Fluid WATER
Density / Viscosity N/A
Max. Recorded Temp. 111
Estimated Cement Top
Time Well Ready 4:30 PM
Time Logger on Bottom 5:00 PM
Equipment Number T-173
Location HAYS
Recorded By A DREILING
Witnessed By MR BUTCH DRYLIE

Borehole Record
Run Number ONE
Bit 12.25 From 0 To 261'
TWO 7.785 0 T.D.

Tubing Record
Size Weight From To

Casing Record
Surface String 8 5/8" Wgt/Ft 23 # Top 0' Bottom 261'
Prot. String 5.5" 15.5# 0' T.D.
Production String
Liner

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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

CORRELATED TO GEMINI DUAL INDUCTION

BUSHTON KS & HWY 4,
E TO 8 TH RD., 2 1/2 N,
W INTO

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
CCL	10.00		CCL-T (15Y) 1 11/16" Titan Slimhole CCL trinidad	1.83	1.69	10.00
			GR TS (13D)	4.28	1.69	28.00

GR	6.44		GR-TS (TS) Titan 1 11/16" Slimhole GR trinidad	4.28	1.69	20.00
NEU	1.41		NEU-T (Titan) Titan	5.01	1.69	21.00

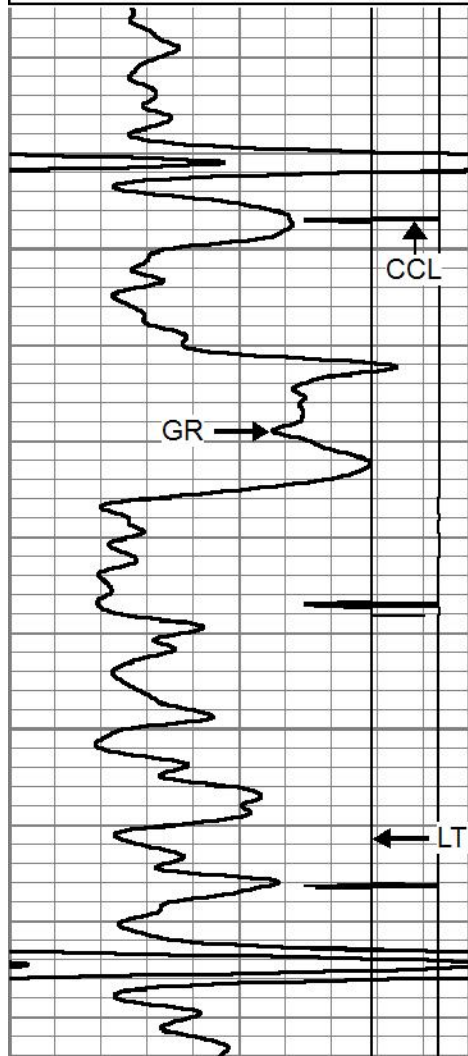
Dataset:	castle-wesseler-5.db: field/well/grn/pass10.1
Total length:	11.13 ft
Total weight:	59.00 lb
O.D.:	1.69 in



MAIN PASS

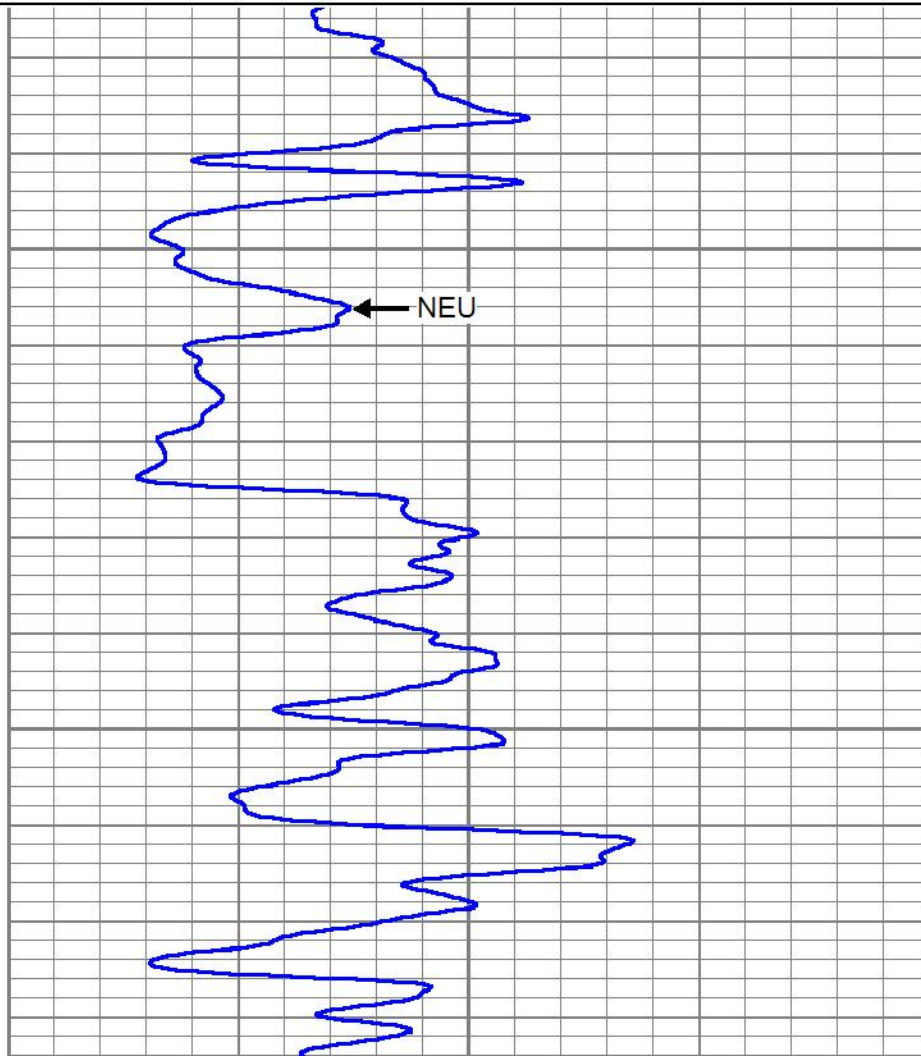
Database File castle-wesseler-5.db
 Dataset Pathname grn/pass10.1
 Presentation Format gr-n-ccl
 Dataset Creation Wed Jan 27 19:55:44 2016
 Charted by Depth in Feet scaled 1:240

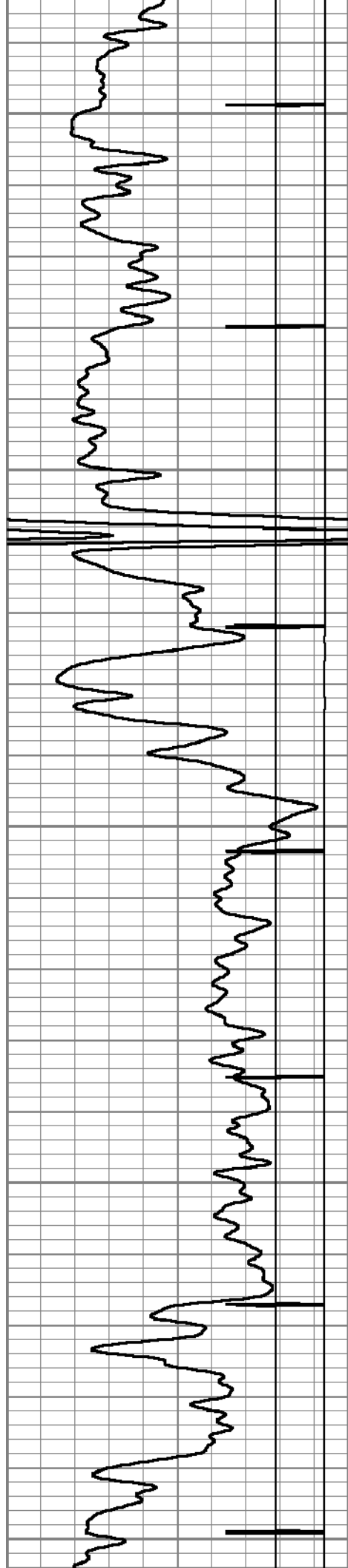
0	GR (GAPI)	150	25	NEU (NAPI)	1475
11	CCL	-3			
7500	LTEN (lb)	100			



2600

2650





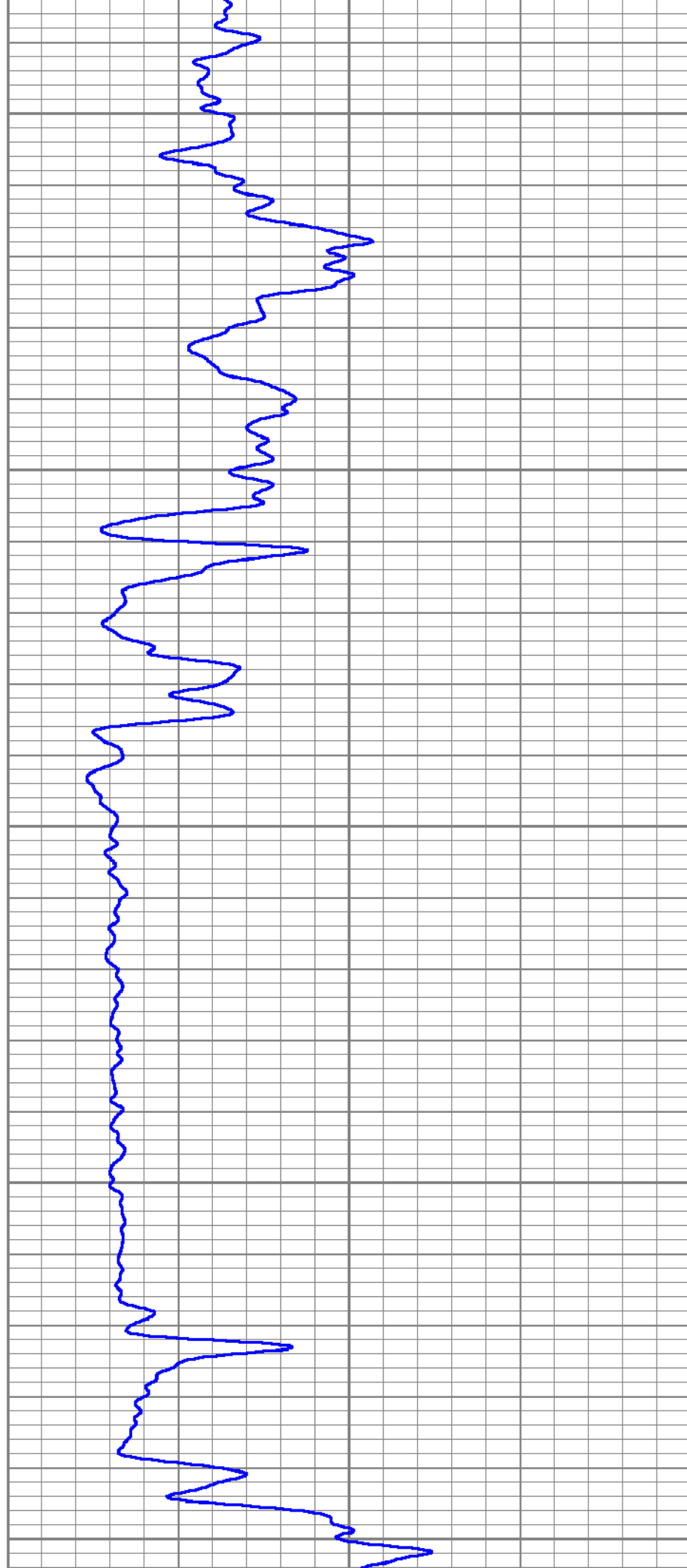
2700

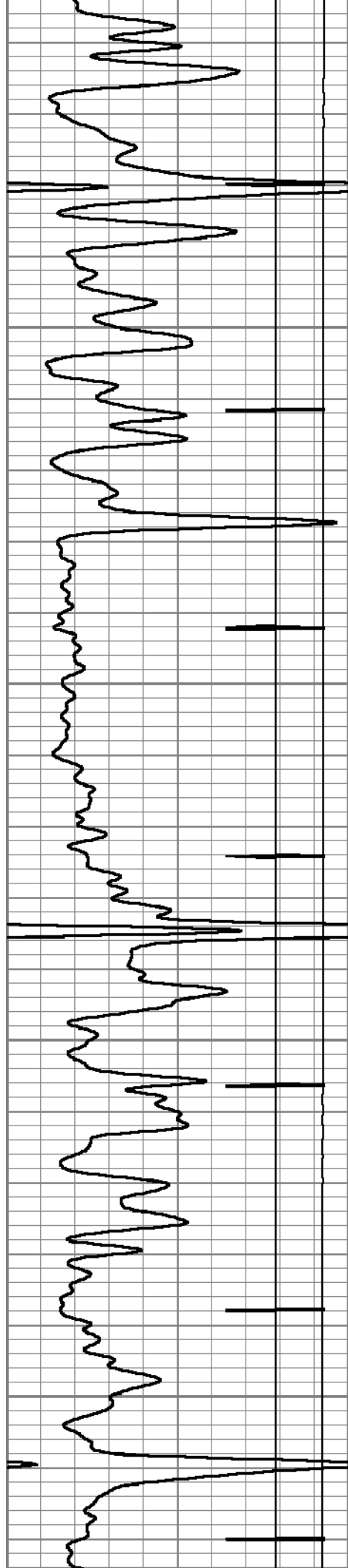
2750

2800

2850

2900



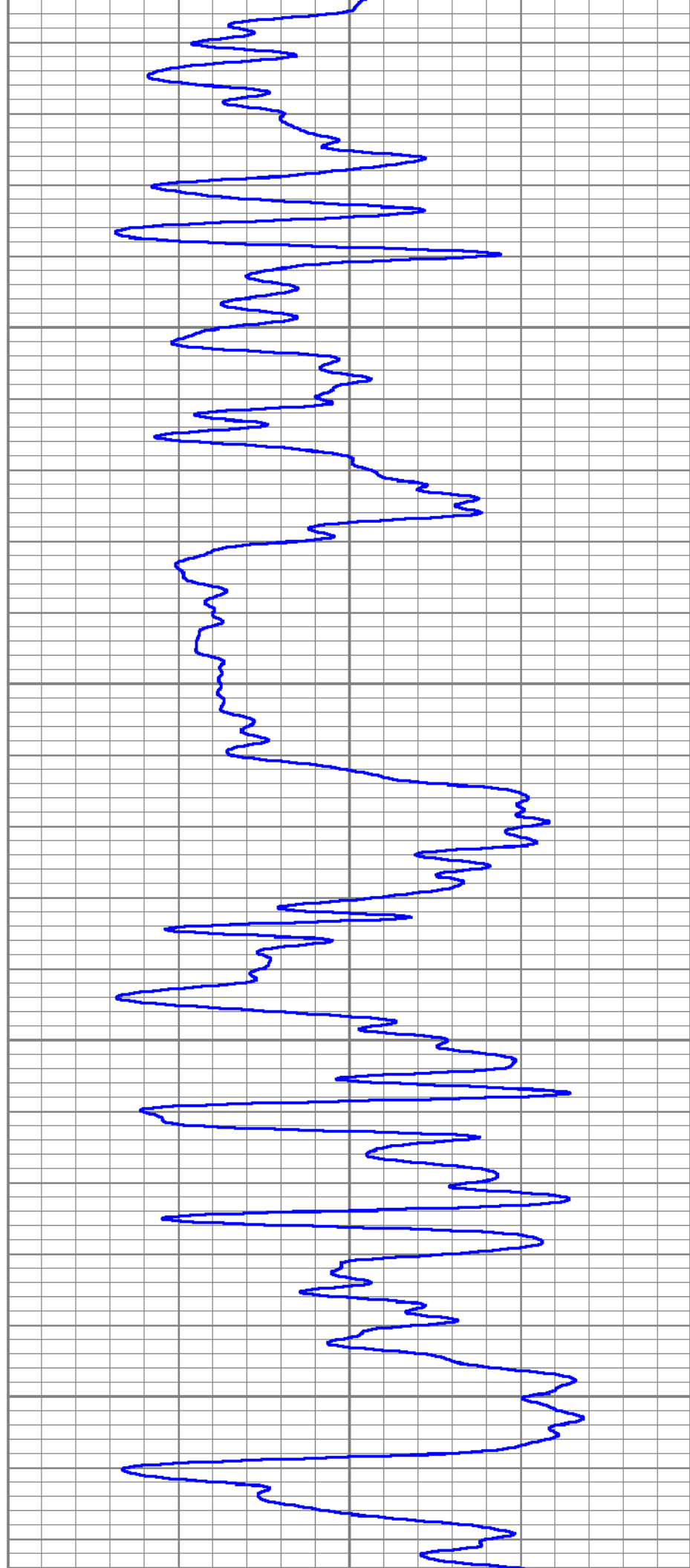


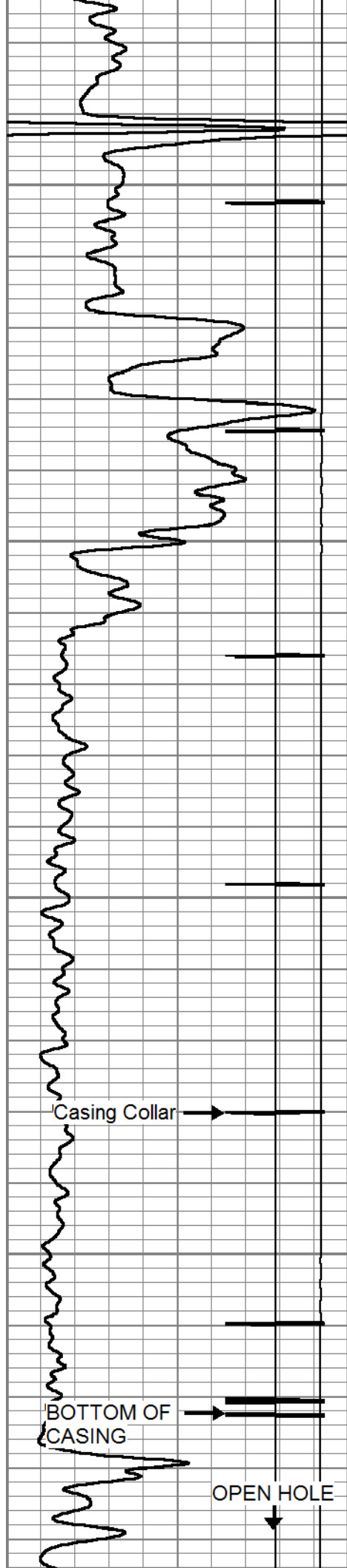
2950

3000

3050

3100





3150

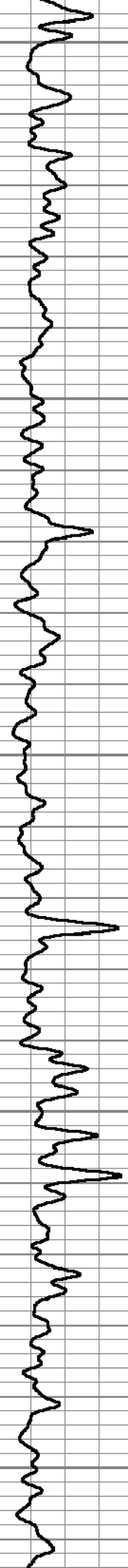
3200

3250

3300

Neutron →

CASING SHIFT →



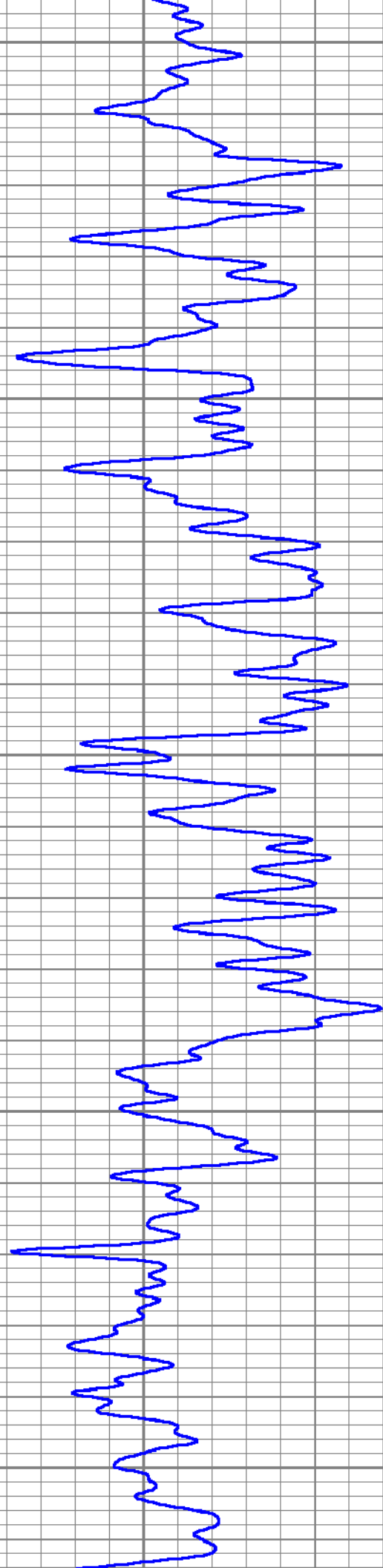
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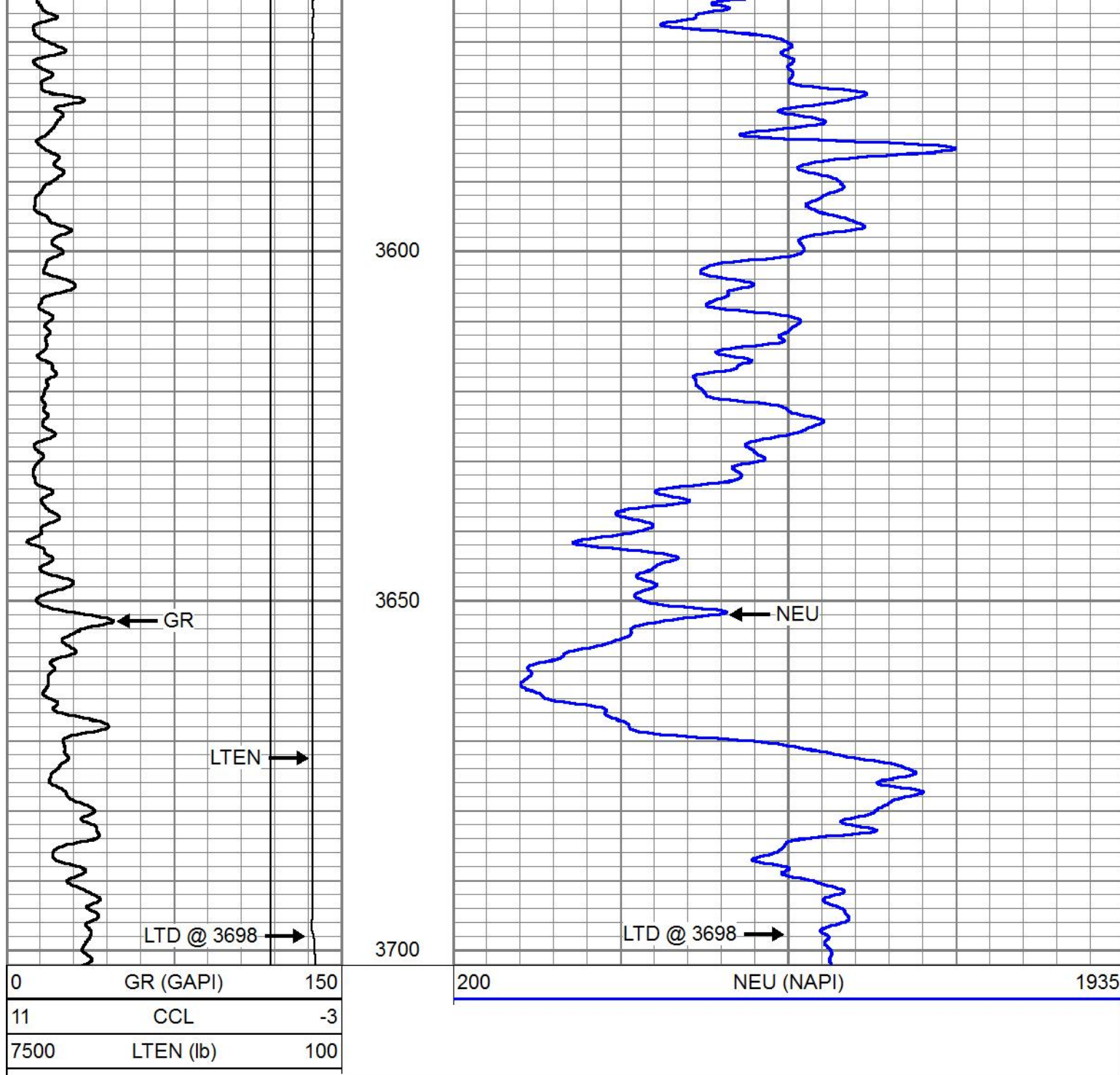
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3450

3500

3550

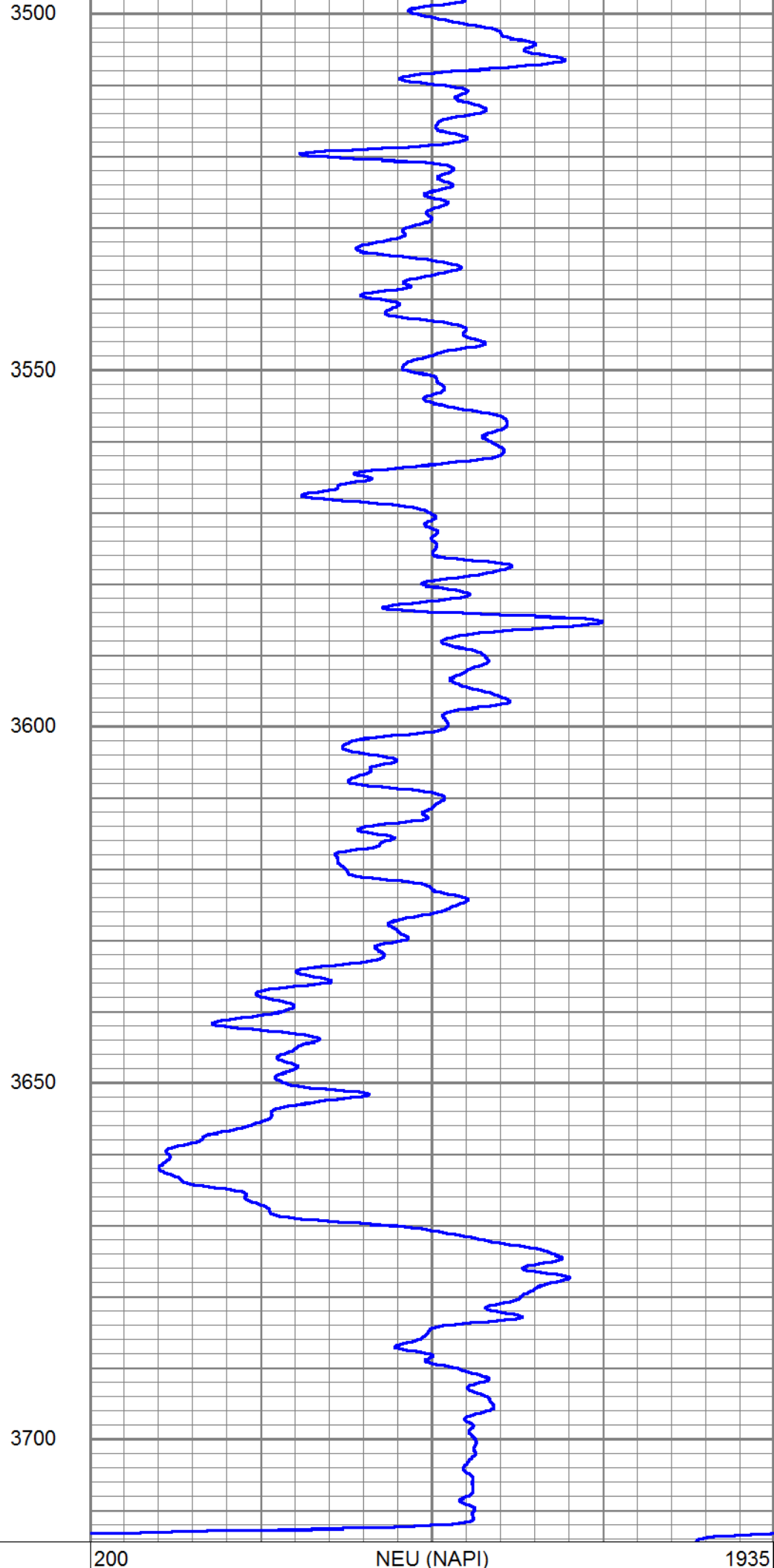
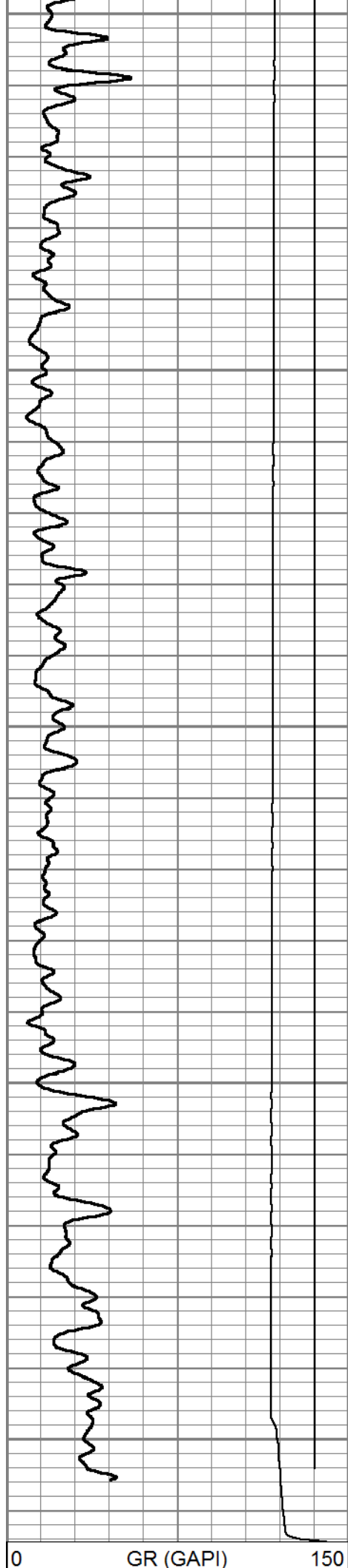




REPEAT SECTION

Database File castle-wesseler-5.db
 Dataset Pathname gr/pass2.1
 Presentation Format gr-n-ccl
 Dataset Creation Wed Jan 27 17:48:32 2016
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150	200	NEU (NAPI)	1935
9	CCL	-1			
3000	LTEN (lb)	100			



9	CCL	-1
3000	LTEN (lb)	100

Log Variables

DatabaseC:\ProgramData\Warrior\Data\castle-wesseler-5.db
Dataset field/well/grn/pass10.1/_vars_

Top - Bottom

BOREID in 6.25	BOTTEMP degF 100	CASEOD in 5.5	CASETHCK in 0	NPORSEL Air	NPORSHIFT 0	PERFS 0
TDEPTH ft 0						

Variable Description

BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness

NPORSEL : Neutron Porosity Curve Select
NPORSHIFT : NPORSHIFT
PERFS : Perforation Flag
TDEPTH : Total Depth



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