



**GAMMA RAY  
NEUTRON  
COMPLETION LOG**

Company TAILWATER, INC.  
Well SOUTH KEMPNICH #13-IWL  
Field GARNETT SHOESTRING  
County ANDERSON  
State KANSAS

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Location: API # : 15-003-26495-00-00  
1815' FSL & 2310' FWL  
N/2 SE NE SW  
SEC 22 TWP 20S RGE 20E  
Permanent Datum G.L. Elevation 958'EST.  
Log Measured From G.L.  
Drilling Measured From G.L. Elevation K.B. D.F. G.L. 958'EST.

Date	2-18-2016
Run Number	1-NEWWELL
Depth Driller	833'
Depth Logger	817.6'
Top Log Interval	SURFACE
Bottom Logged Interval	817.6'
Fluid Level	FULL
Type Fluid	WATER
Production Casing	2 7/8" @ 823' 7" @ 23.5' @
Max. Recorded Temp.	
Estimated Cement Top	
Calculated Cement Top	
Amount & Type Cement	
Amount & Type Admix	
Drilling Contractor	EVANS ENERGY
Equipment Number	107
Location	
Recorded By	UDEN, D.
Witnessed By	HUTCHINSON, D.

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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

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)

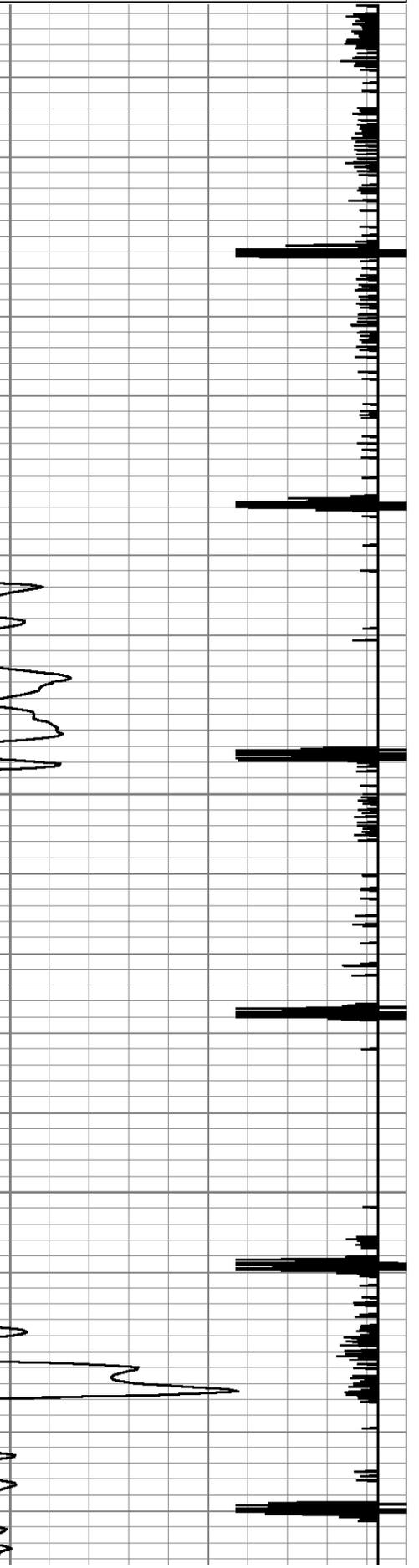
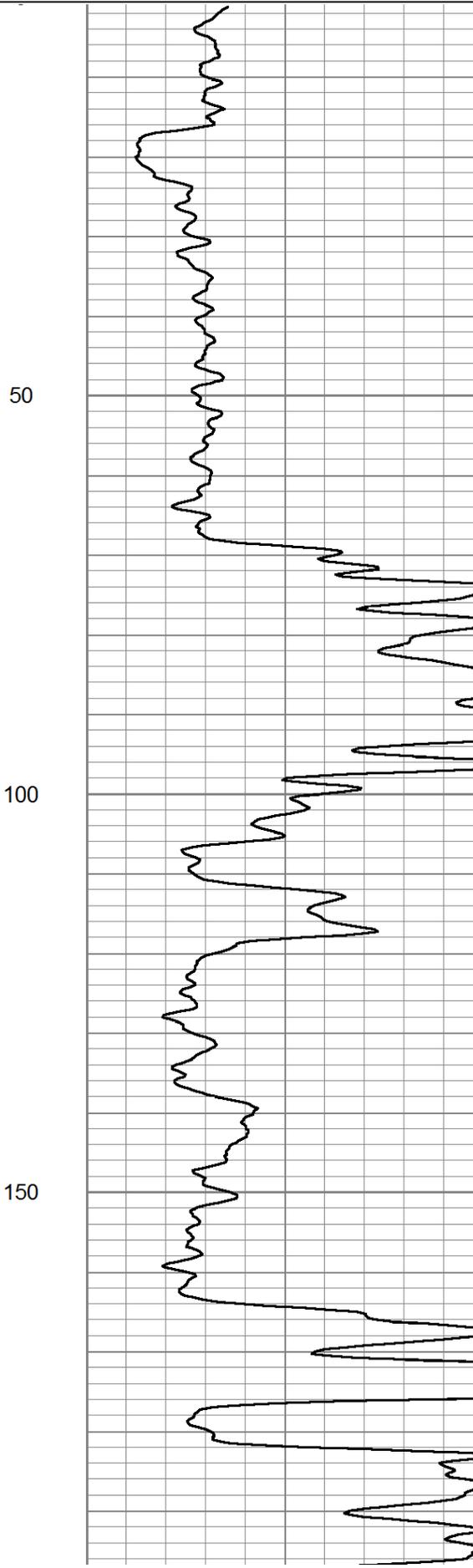
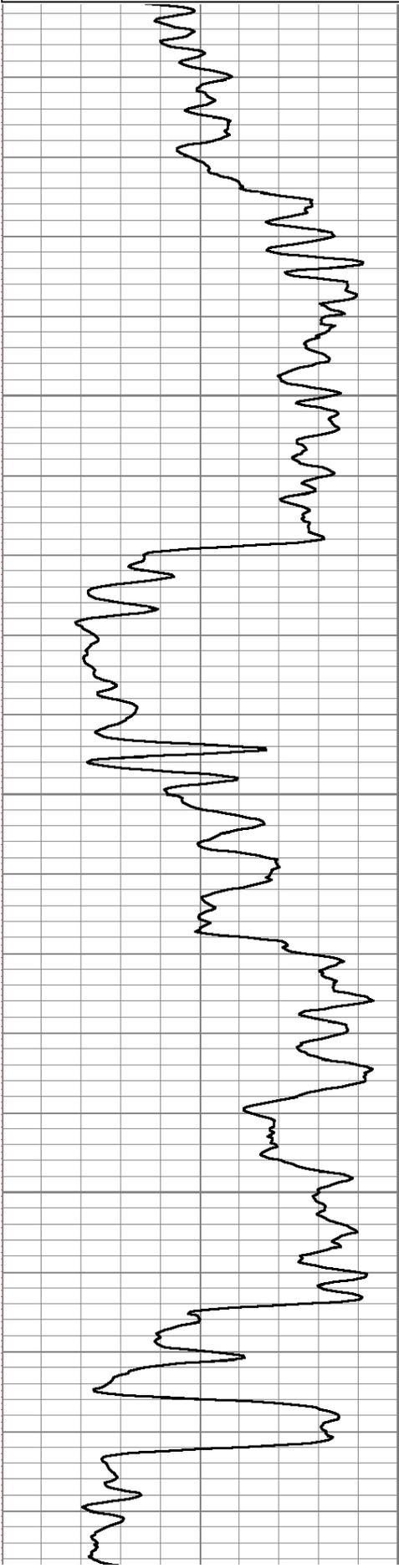
GR	7.59	GR-TITAN_169 (TIT169_001) Titan 1 11/16" Gamma Ray	4.75	1.69	20.00
CCL	5.05	CCL-TITAN_169 (TIT169) Titan 1 11/16" Logging CCL	1.83	1.69	7.50
NEU	0.63	NEU-TITAN_169 (TIT169_001) Titan 1 11/16" Neutron	4.33	1.69	20.00

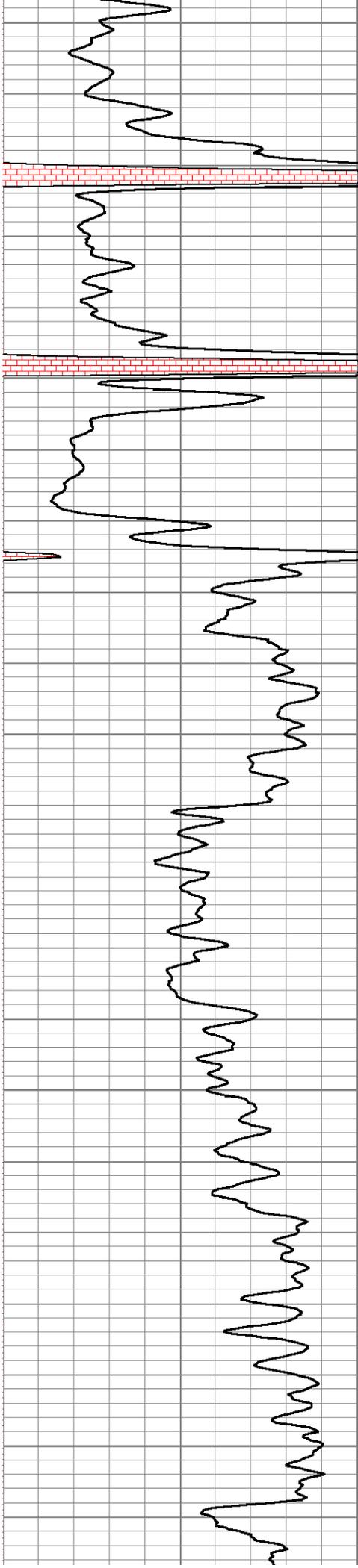
Dataset: south kempnich #13-iwl.db: field/well/run1/pass2  
 Total Length: 10.92 ft  
 Total Weight: 47.50 lb  
 O.D.: 1.69 in

Database File: e:\south kempnich #13-iwl.db  
 Dataset Pathname: pass2  
 Presentation Format: gr-n-ccl

0	GR	150
150	gr	300

100	NEU	1500
13	CCL	-1





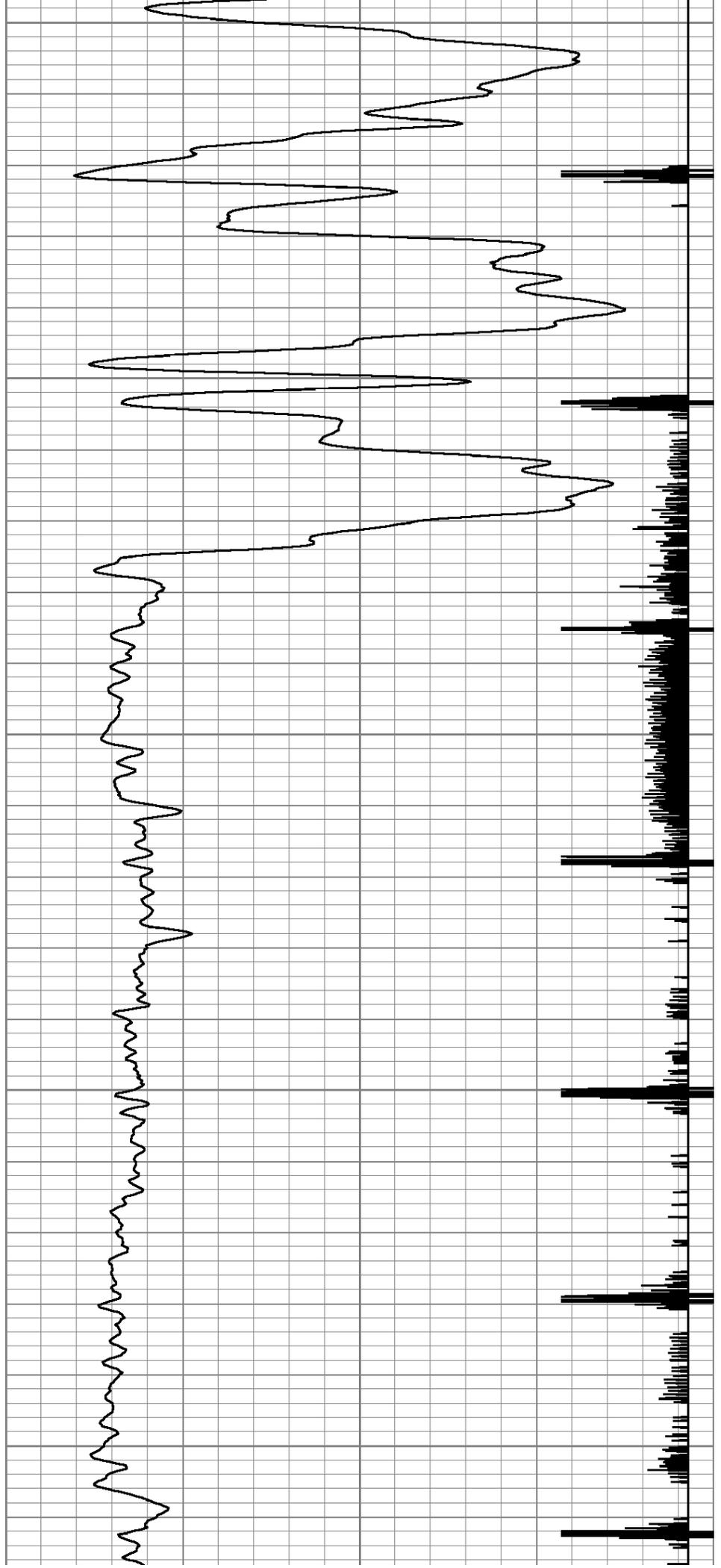
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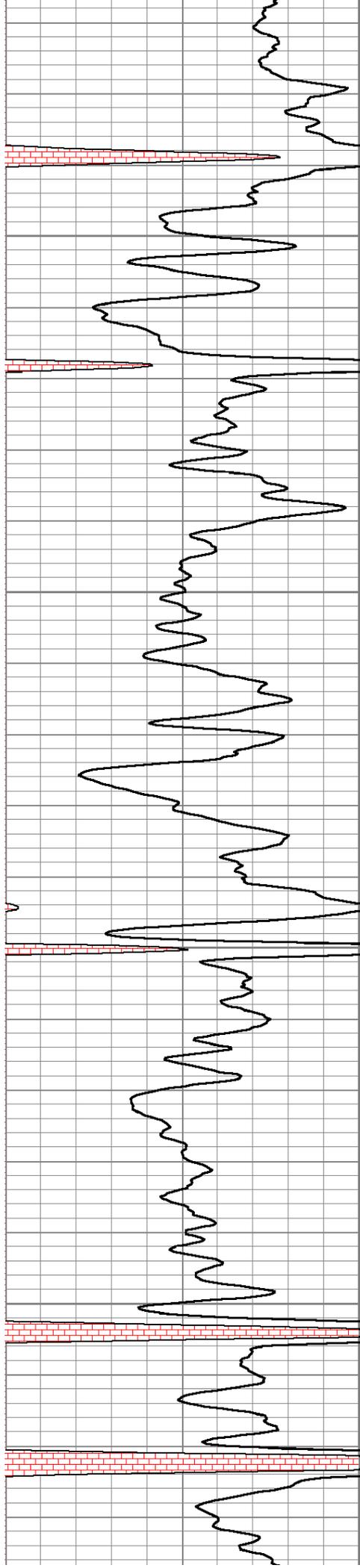
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300

350

400



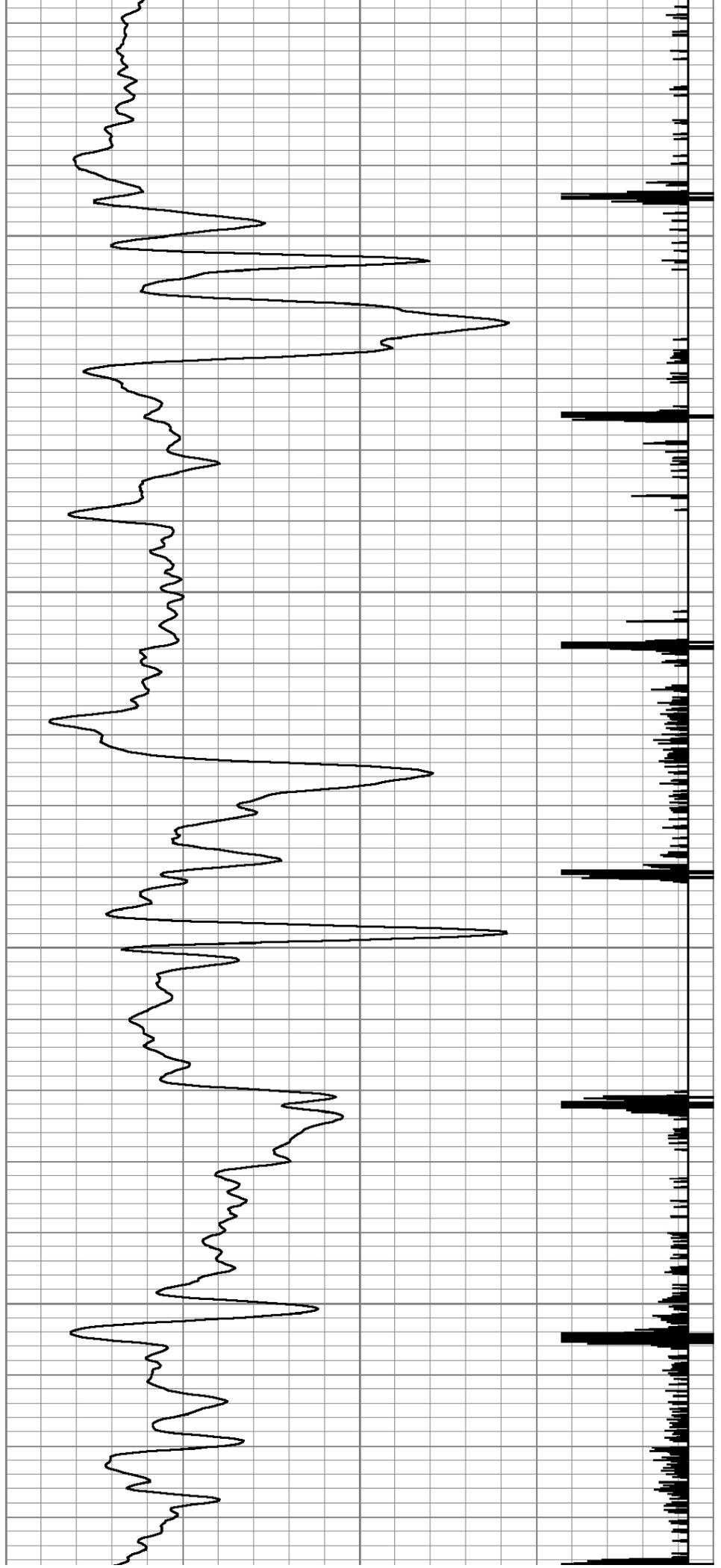


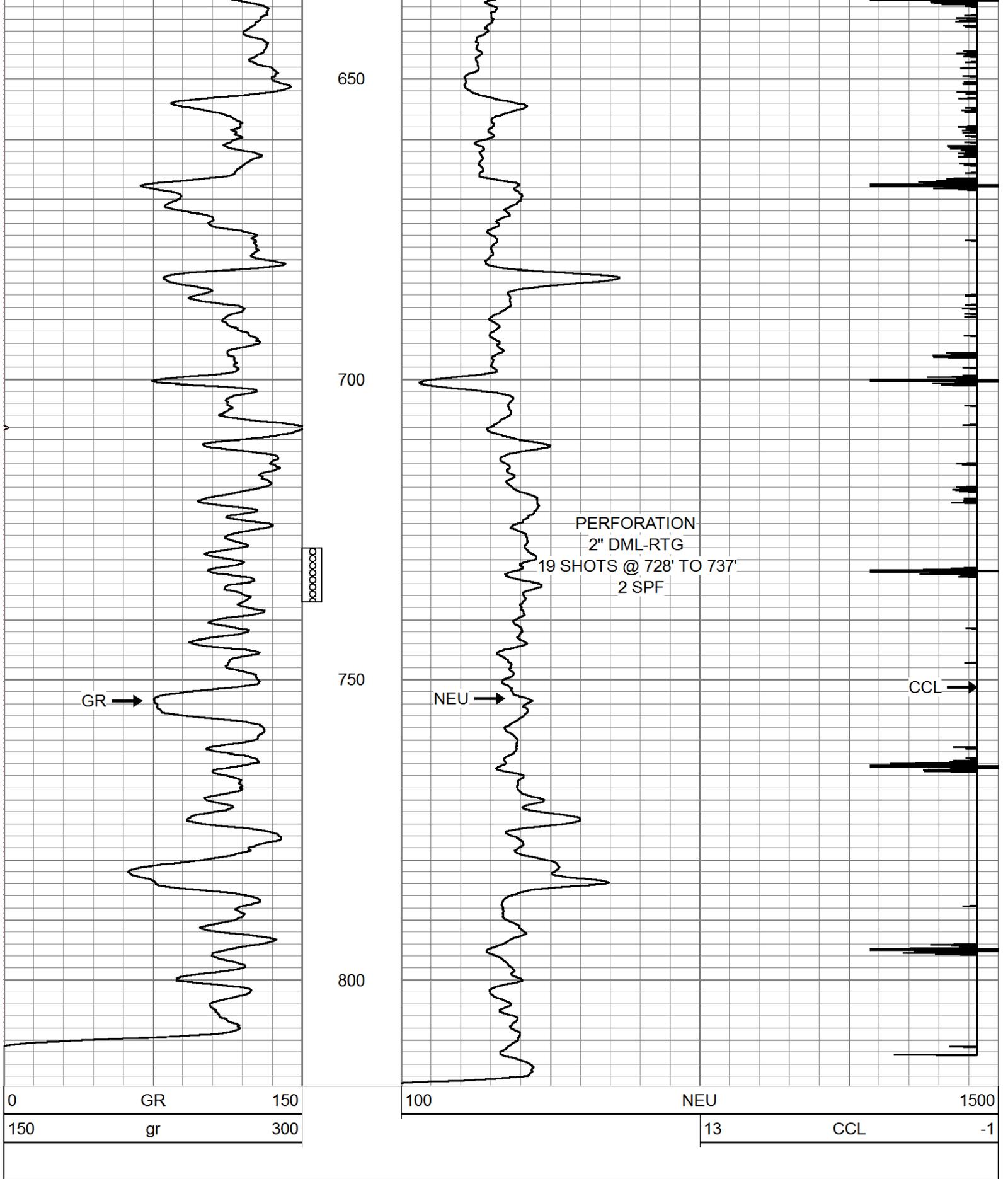
450

500

550

600





Company TAILWATER, INC.  
Well SOUTH KEMPNICH #13-IWL  
Field GARNETT SHOESTRING

**WIRELINE  
SERVICES, INC.  
CHANUTE, KANSAS**

County  
State

ANDERSON  
KANSAS

SEC. 22 TWP. 20S RGE. 20E  
Date 2-18-2016