



**GAMMA RAY
NEUTRON
COMPLETION LOG**

Company TAILWATER, INC.
Well NORTH KEMPNIICH #12-IWU
Field GARNETT SHOESTRING
County ANDERSON
State KANSAS

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Location: API # : 15-003-26236-00-00 Other Services
1515' FNL & 1685' FWL
NE NW SE NW
SEC 22 TWP 20S RGE 20E
Permanent Datum G.L. Elevation 964' EST.
Log Measured From G.L.
Drilling Measured From G.L. Elevation K.B. D.F. G.L. 964' EST.

Date	4-8-2015		
Run Number	1-NEWWELL		
Depth Driller	660'		
Depth Logger	651.6'		
Top Log Interval	SURFACE		
Bottom Logged Interval	651.6'		
Fluid Level	FULL		
Type Fluid	WATER		
Production Casing	2 7/8" @ 655'	7" @ 22.4'	@
Max. Recorded Temp.			
Estimated Cement Top			
Calculated Cement Top			
Amount & Type Cement			
Amount & Type Admix			
Drilling Contractor	EVANS ENERGY		
Equipment Number	109		
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

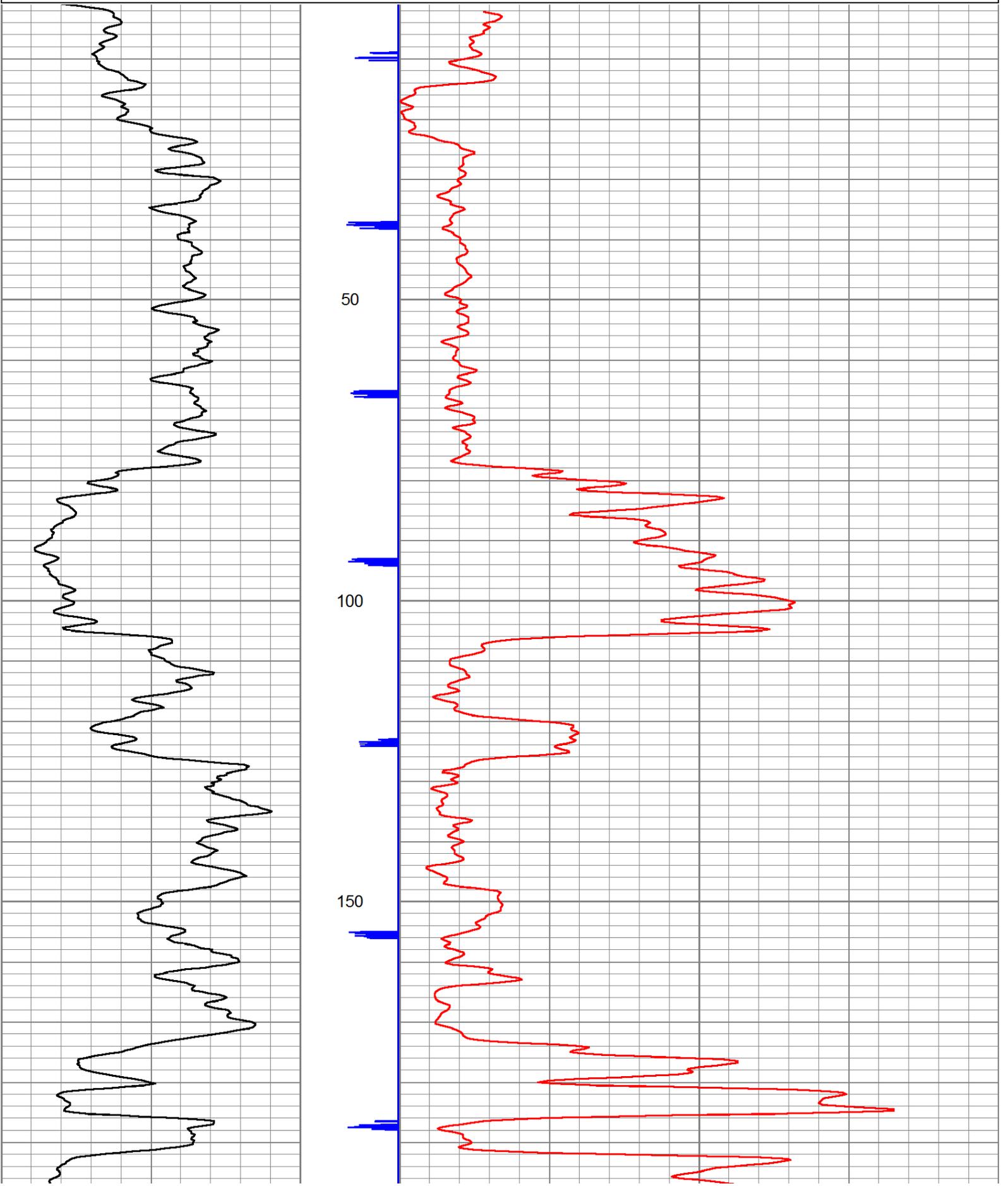
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)

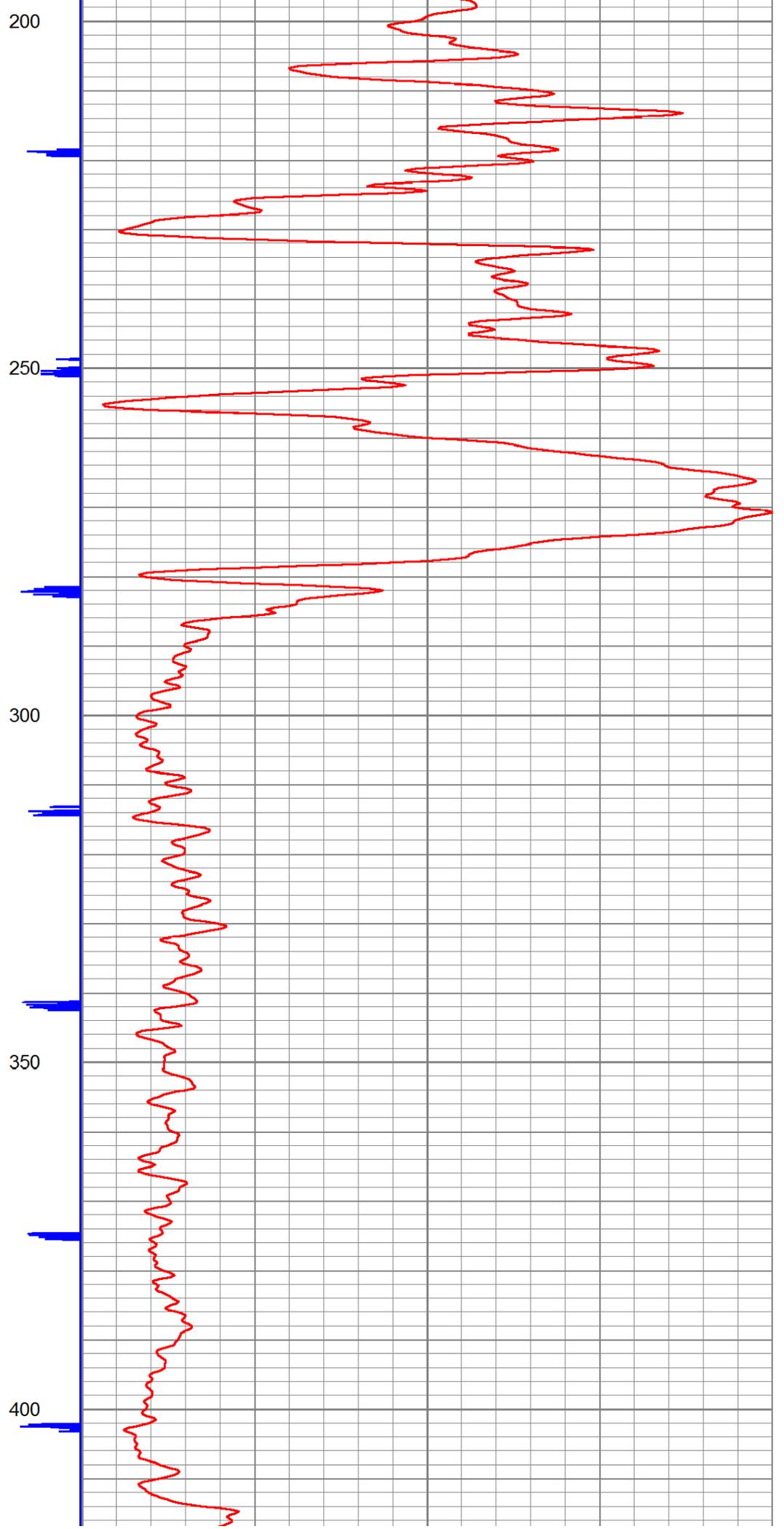
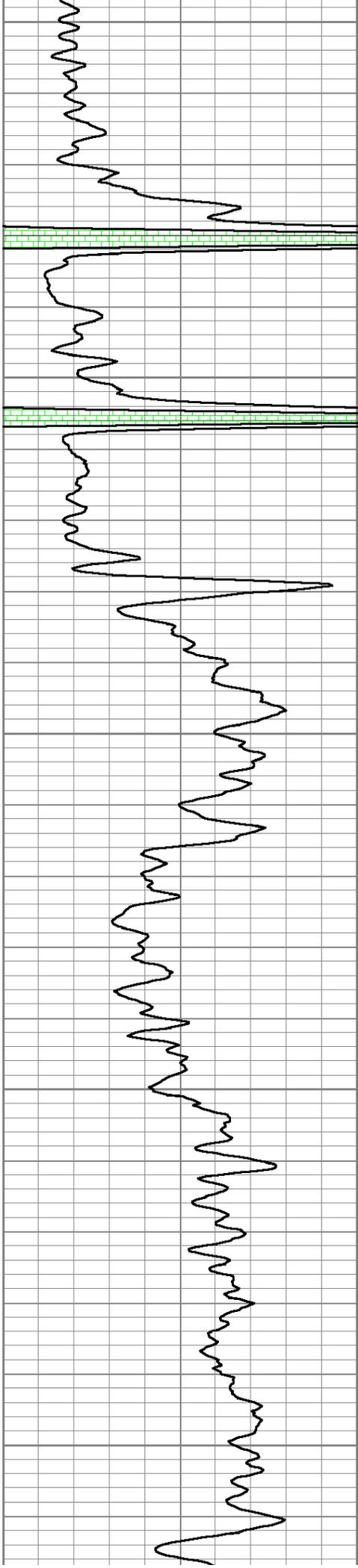
GR	7.59		GR-TITAN_169 (TIT169_001) Titan 1 11/16" Gamma Ray	4.75	1.69	20.00
CCL	5.05		CCL-TITAN_169 (TIT169) Titan 1 11/16" Logging CCL	1.83	1.69	7.50
NEU	0.63		NEU-TITAN (TIT801) TITAN 1 11/16" Neutron	4.33	1.69	25.00

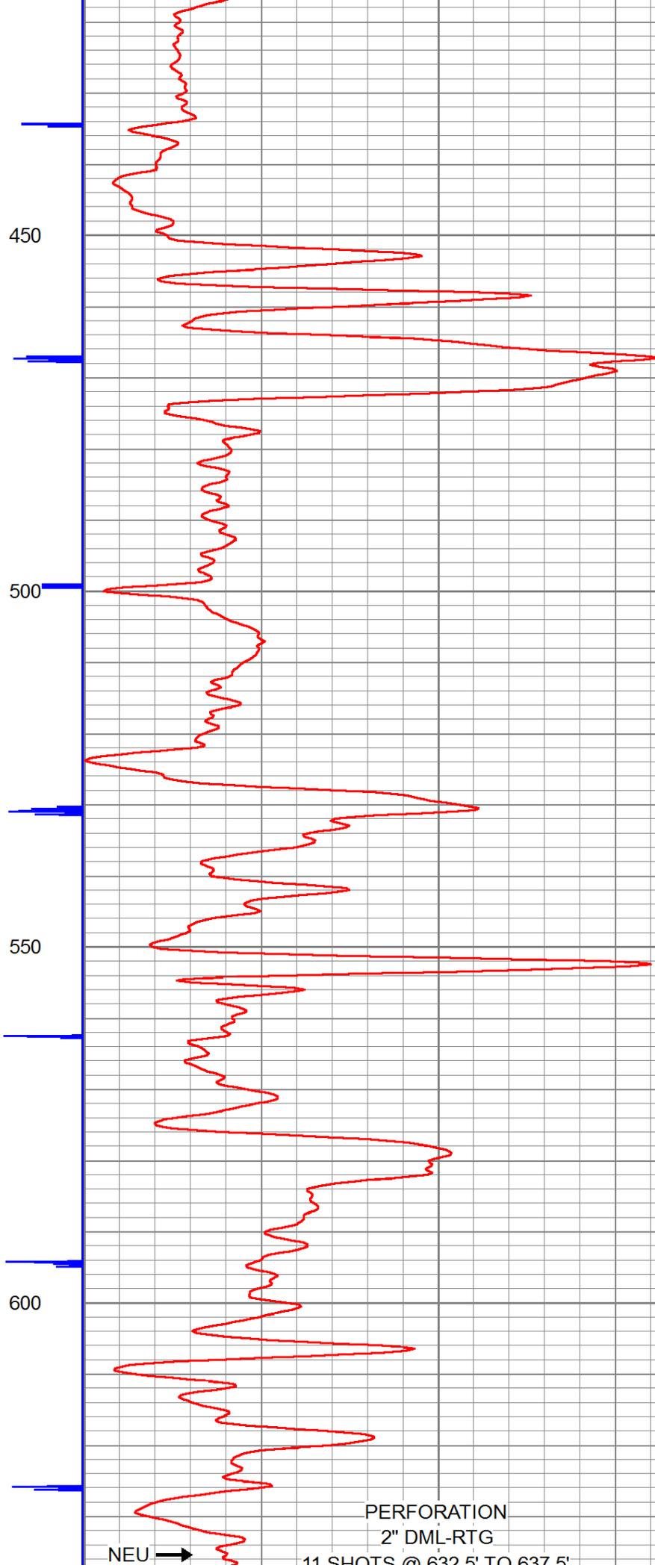
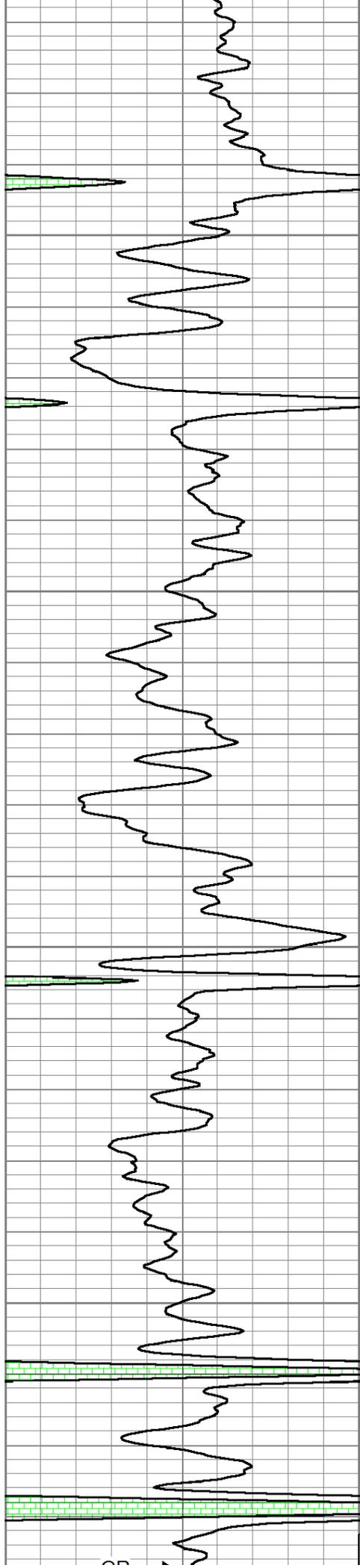
Dataset: north kempnich #12-iwu.db: field/well/run1/pass2
 Total Length: 10.92 ft
 Total Weight: 52.50 lb
 O.D.: 1.69 in

Database File: e:\north kempnich #12-iwu.db
 Dataset Pathname: pass2
 Presentation Format: gr-n-ccl

150	gr	300	3	CCLJ.05	200	NEU (cps)	1500
0	GR	150					

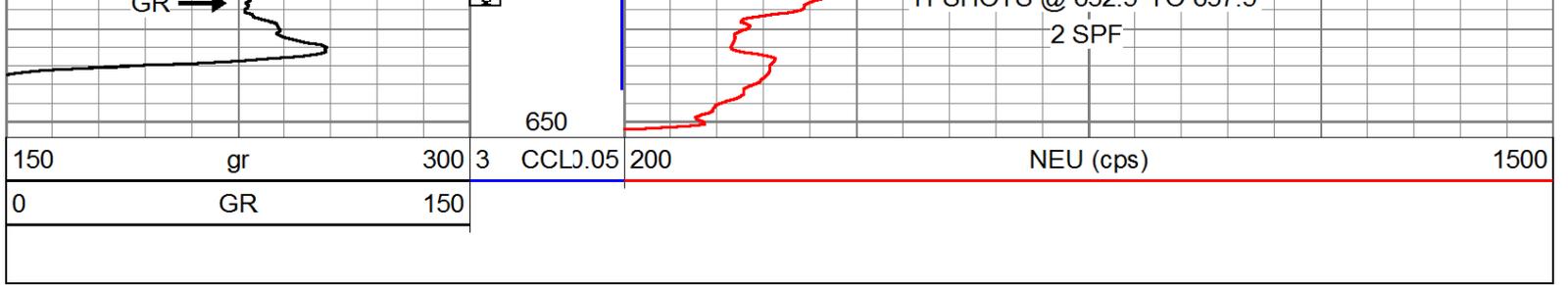






NEU →

PERFORATION
2" DML-RTG
11 SHOTS @ 632.5' TO 637.5'



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State	KANSAS
Date	4-8-2015