



GAMMA RAY
NEUTRON
COMPLETION LOG

Company N & W ENTERPRISES, INC.
Well GIEFER #INJ 23
Field WALNUT SE
County CRAWFORD
State KANSAS

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Location: API # : 15-037-22279-00-00
2310' FSL & 3300' FEL
N/2 NE SW
SEC 34 TWP 28S RGE 22E
Permanent Datum GL
Log Measured From GL
Drilling Measured From GL
Other Services
Elevation
K.B.
D.F.
G.L. 950'EST.

Date	6-6-14		
Run Number	1 NW		
Depth Driller	402'		
Depth Logger	392.3'		
Top Log Interval	0		
Bottom Logged Interval	392.3'		
Fluid Level	FULL		
Type Fluid	WATER		
Production Casing	2 7/8" @ TD	@	@
Max. Recorded Temp.			
Estimated Cement Top			
Calculated Cement Top			
Amount & Type Cement			
Amount & Type Admix			
Drilling Contractor			
Equipment Number	103		
Location			
Recorded By	SOLOMON, B.		
Witnessed By	NORRIS, T.		

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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.

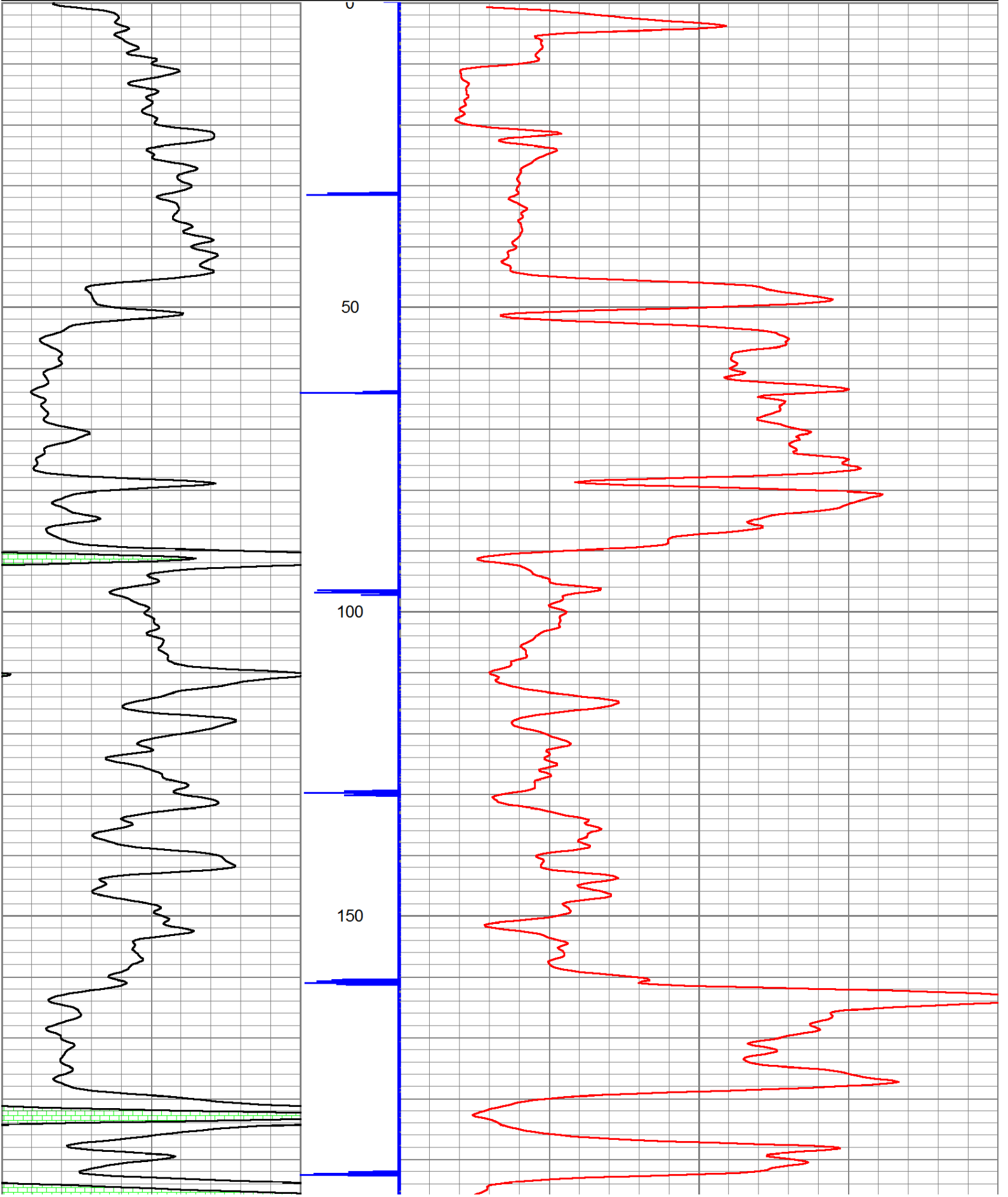
Comments

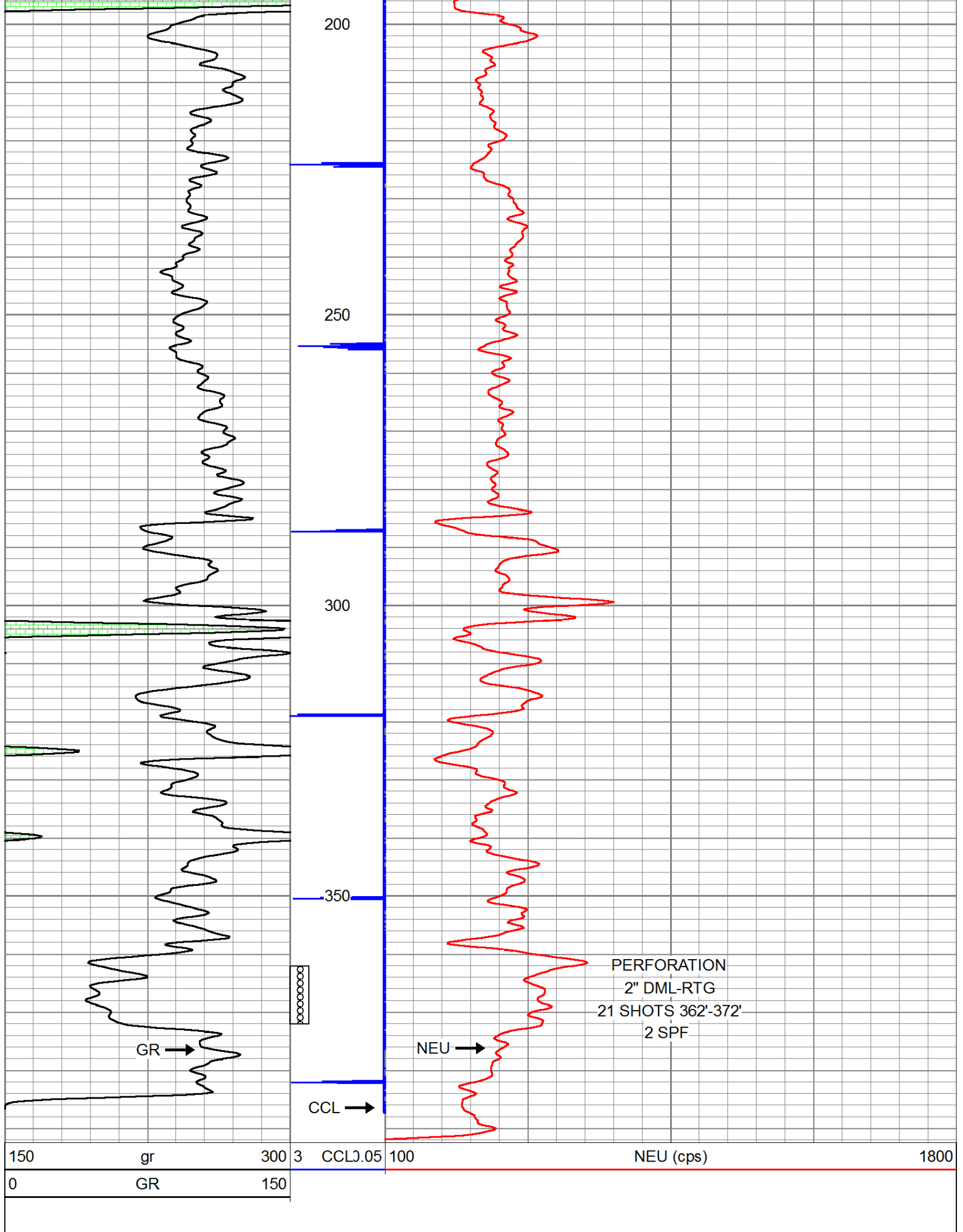
THANK YOU

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-TITAN_169 (TIT169) Titan 1 11/16" Logging CCL	1.83	1.69	7.50
			NEU-TITAN (TIT801) TITAN 1 11/16" Neutron	4.33	1.69	25.00
NEU	0.63					
Dataset: giefer #inj 23.db: field/well/run1/pass1 Total Length: 10.92 ft Total Weight: 52.50 lb O.D. 1.69 in						

150	gr	300	3	CCLJ.05	100	NEU (cps)	1800
0	GR	150					







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County	CRAWFORD SEC. 34 TWP. 28S RGE. 22E
State	KANSAS
Date	6-6-14