



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

**GAMMA RAY  
NEUTRON  
COMPLETION LOG**

Company QUEST DEVELOPMENT CO.  
Well MANNSCHRECK #13  
Field PARMELY  
County COFFEY  
State KANSAS

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Well MANNSCHRECK #13  
Field PARMELY  
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Location: API # : 15-031-23438-00-00 Other Services  
1087' FNL & 343' FEL  
SW SE NE NE  
SEC 32 TWP 22S RGE 17E  
Permanent Datum G.L. Elevation 1041'EST  
Log Measured From G.L. K.B.  
Drilling Measured From G.L. D.F.  
G.L. 1041'EST.

Date	6-9-2016		
Run Number	1-NEWWELL		
Depth Driller	715'		
Depth Logger	694.2'		
Top Log Interval	SURFACE		
Bottom Logged Interval	694.2'		
Fluid Level	FULL		
Type Fluid	WATER		
Production Casing	2 7/8" @ T.D.	@	@
Max. Recorded Temp.			
Estimated Cement Top			
Calculated Cement Top			
Amount & Type Cement			
Amount & Type Admix			
Drilling Contractor	WOCO DRILLING		
Equipment Number	107		
Location			
Recorded By	UDEN, D.		
Witnessed By	DVORACHEK, H.		

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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)

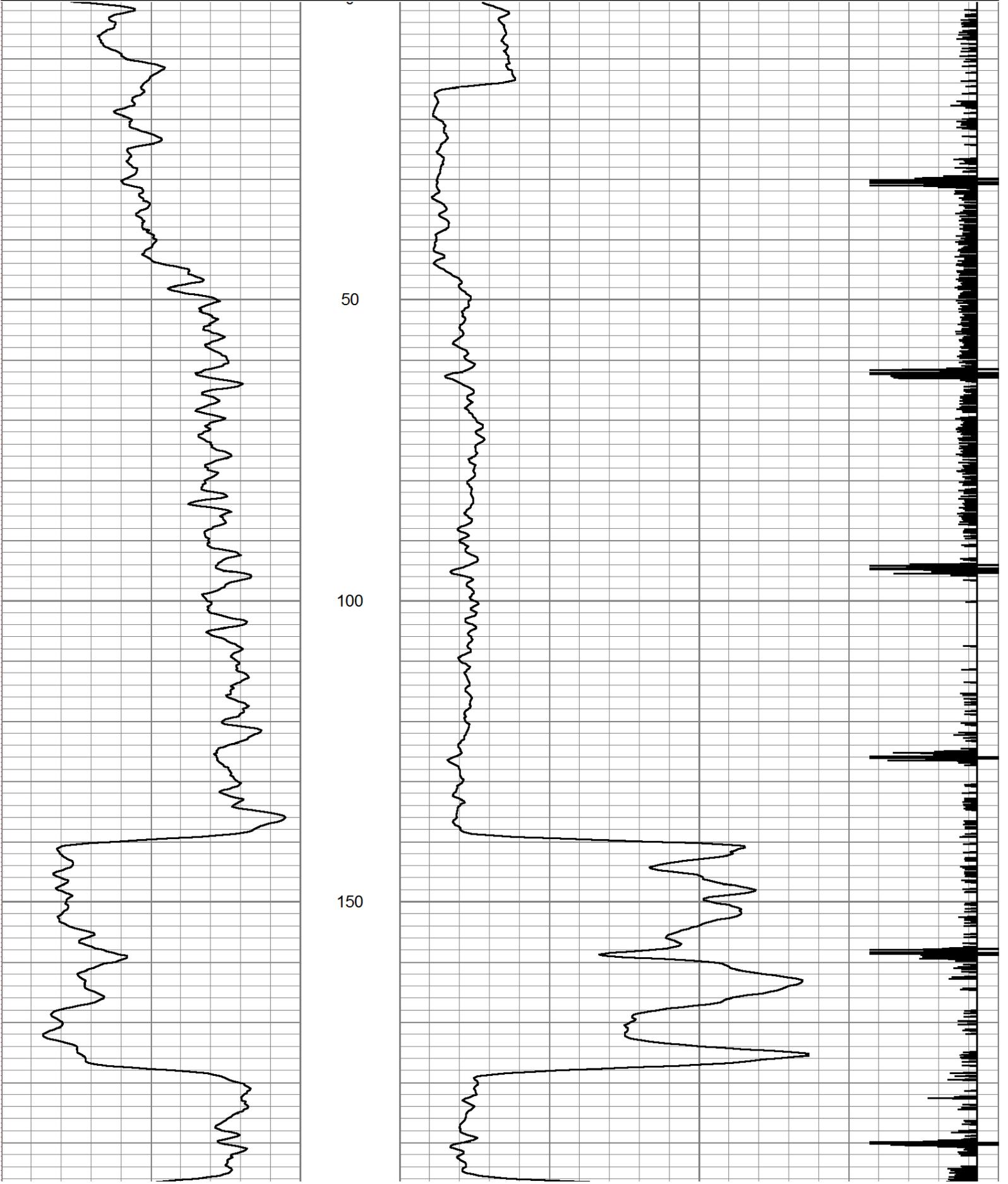
GR	7.59	GR-TITAN_169 (TIT169_001) Titan 1 11/16" Gamma Ray	4.75	1.69	20.00
CCL	5.05	CCL-TITAN_169 (TIT169) Titan 1 11/16" Logging CCL	1.83	1.69	7.50
NEU	0.63	NEU-TITAN_169 (TIT169_001) Titan 1 11/16" Neutron	4.33	1.69	20.00

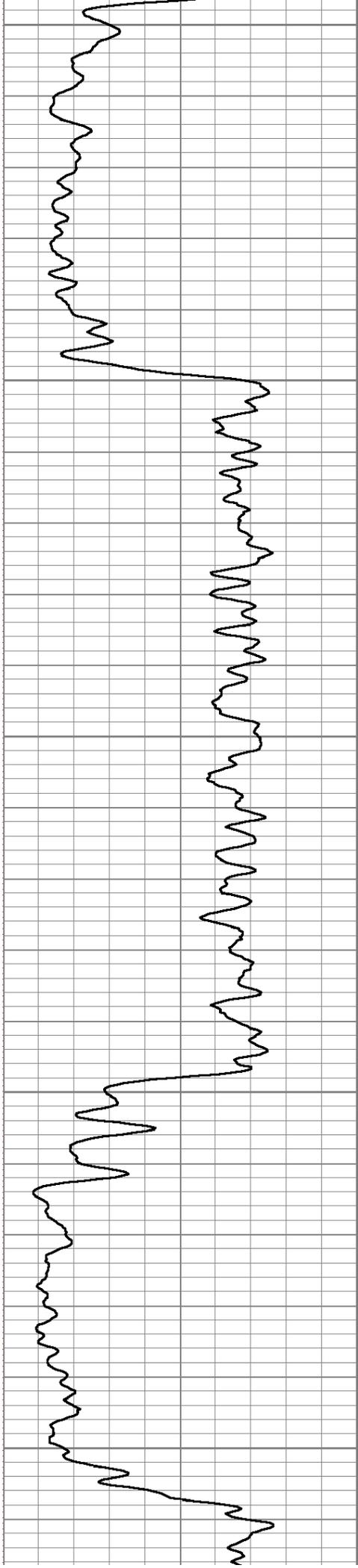
Dataset: mannschreck #13.db: field/well/run1/pass1  
 Total Length: 10.92 ft  
 Total Weight: 47.50 lb  
 O.D.: 1.69 in

Database File: e:\mannschreck #13.db  
 Dataset Pathname: pass1  
 Presentation Format: gr-n-ccl

0	GR	150
150	gr	300

100	NEU	1500
13	CCL	-1





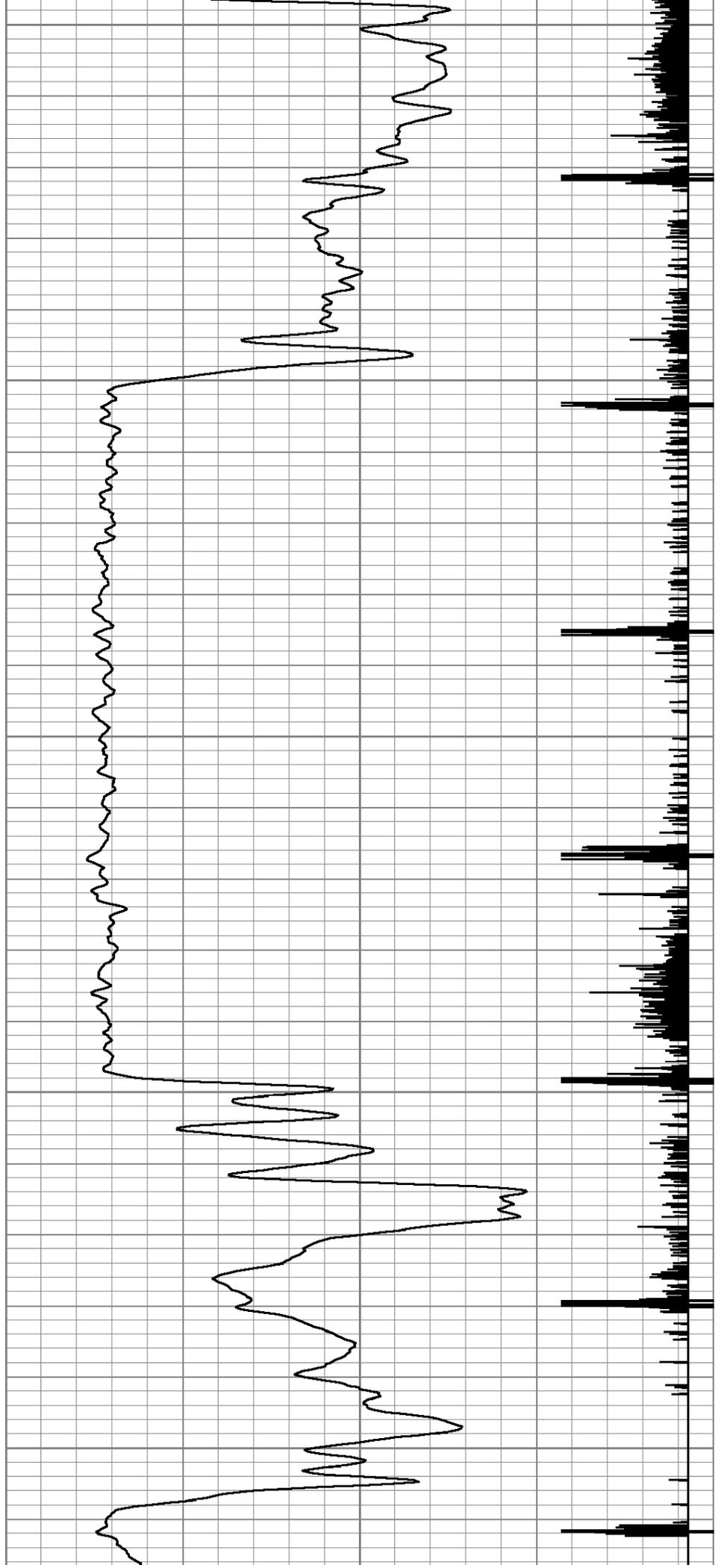
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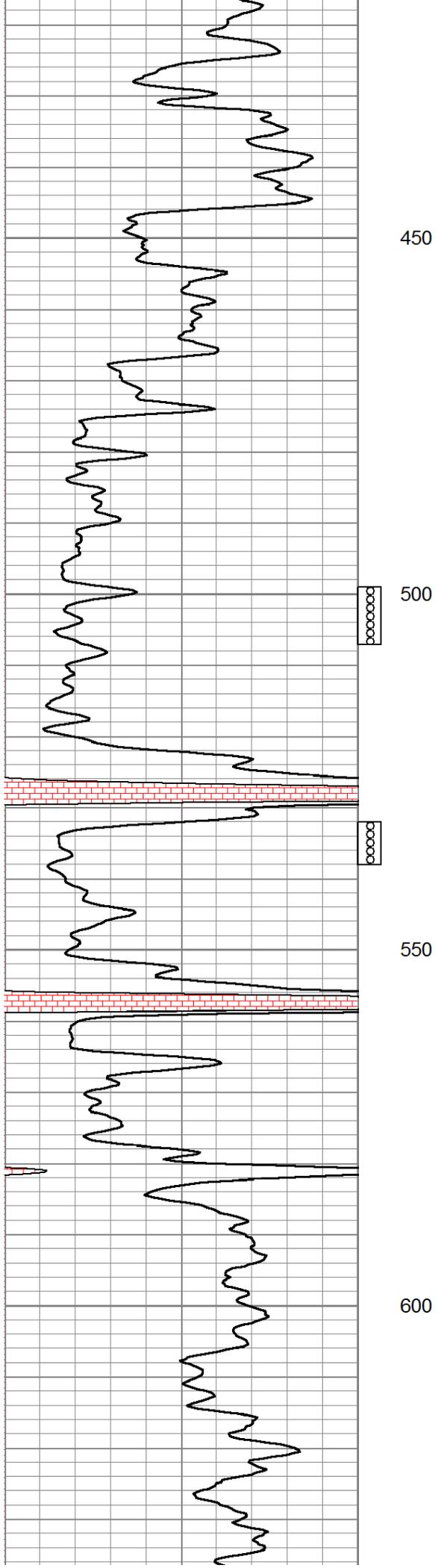
250

300

350

400





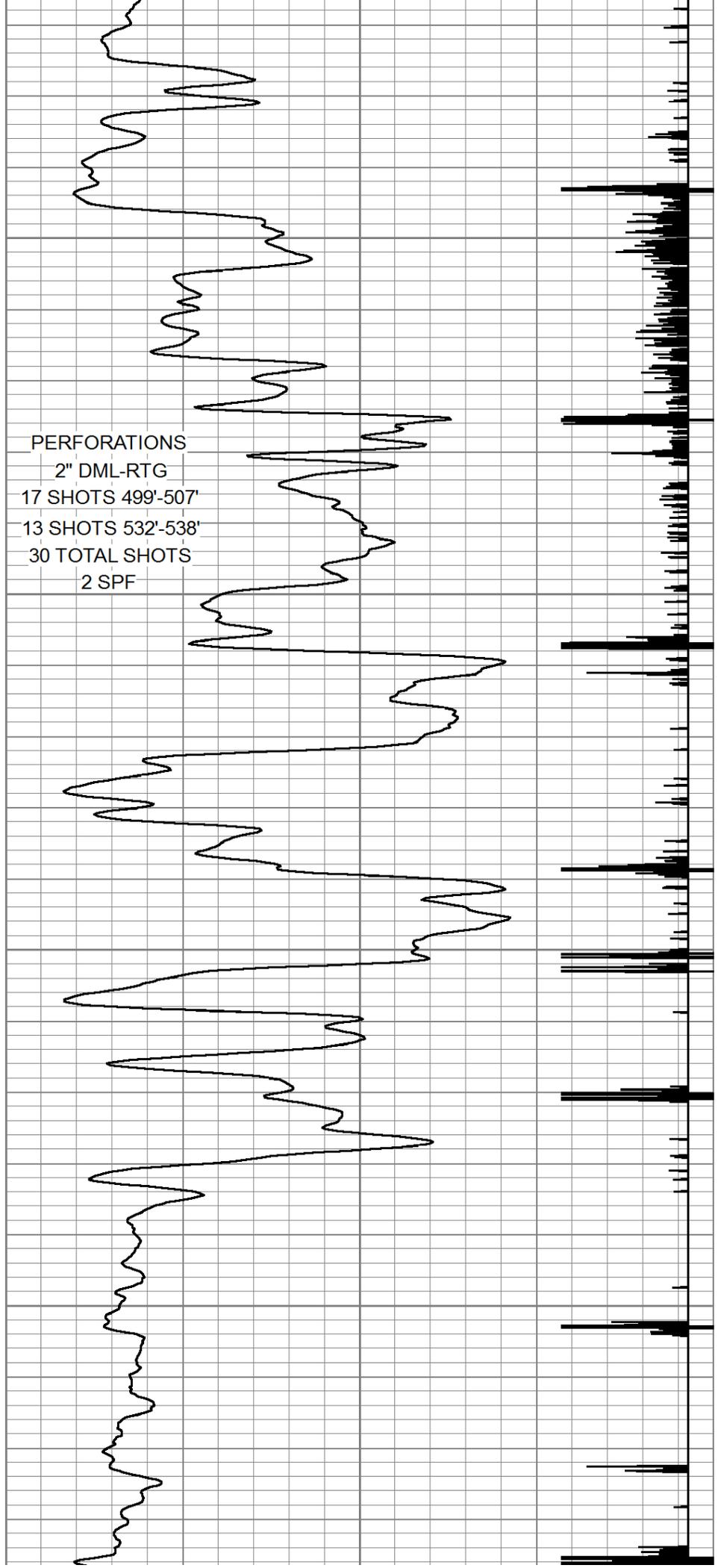
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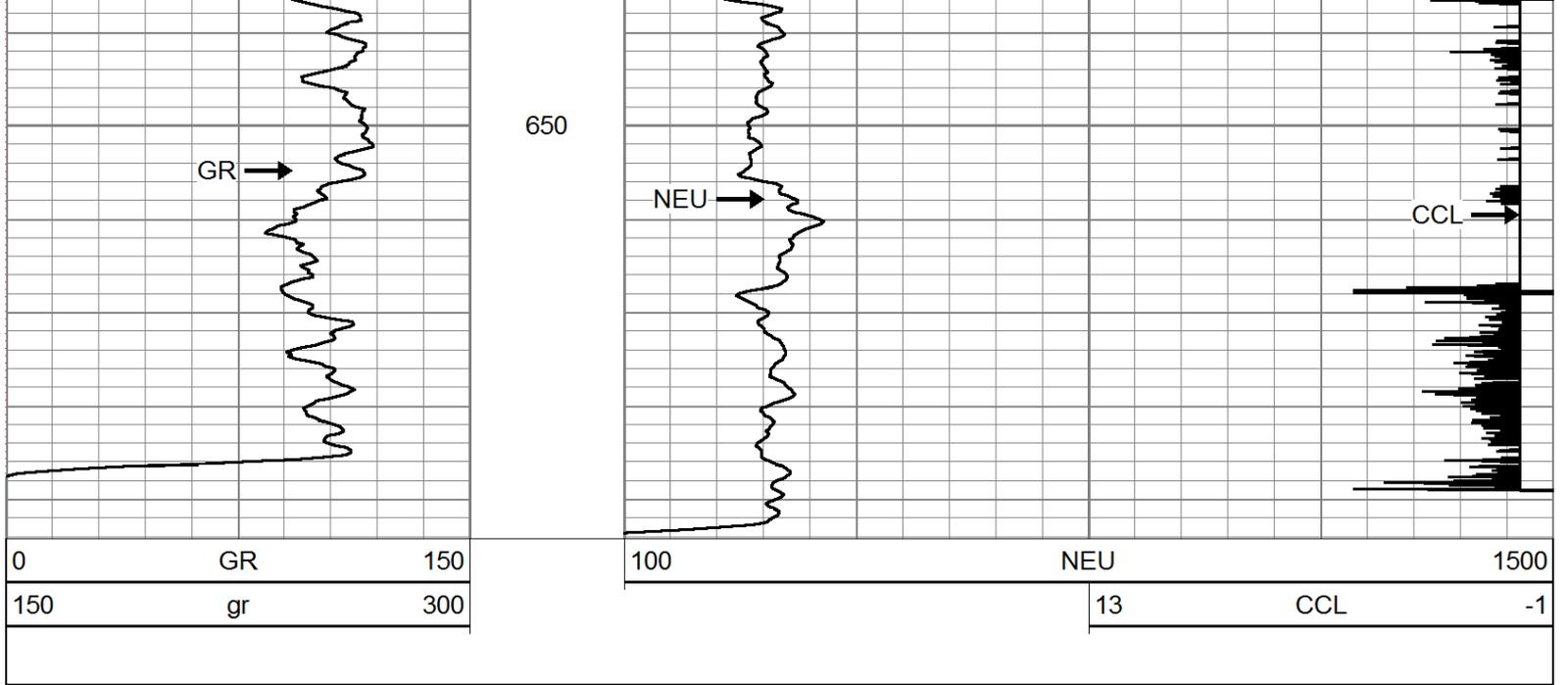
500

550

600

PERFORATIONS  
2" DML-RTG  
17 SHOTS 499'-507'  
13 SHOTS 532'-538'  
30 TOTAL SHOTS  
2 SPF





Company	QUEST DEVELOPMENT CO.
Well	MANNSCHRECK #13
Field	PARMELY
County	COFFEY SEC 32 TWP. 22S RGE. 17E
State	KANSAS
Date	6-9-2016