Company	WINOCO EXPLORATION
Well	SWITZER #N-1
Field	WISSMAN
County	WOODSON
State	KANSAS

CORNISH
WIRELINE SERVICES, INC.
CHANUTE, KANSAS

GAMMA RAY NEUTRON COMPLETION LOG

Company WINOCO EXPLORATION
Well SWITZER #N-1
Field WISSMAN
County WOODSON State KANSAS

Location: API # : 15-207-28654-00-00
995' FNL & 1155' FWL
SEC 3 TWP 24S RGE 15E

Other Services

Permanent Datum G.L. Elevation 1081'EST.
Log Measured From G.L.
Drilling Measured From G.L.

Elevation
K.B.
D.F.
G.L. 1081'EST.

Date	9-10-2013		
Run Number	1-NEW WELL		
Depth Driller			
Depth Logger	1185.7'		
Top Log Interval	SURFACE		
Bottom Logged Interval	1185.7'		
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		
Equipment Number	107		
Location			
Recorded By	UDEN, D.		
Witnessed By	LEIS, V.		

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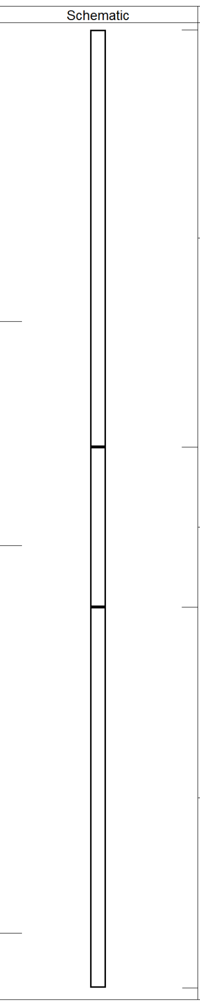
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

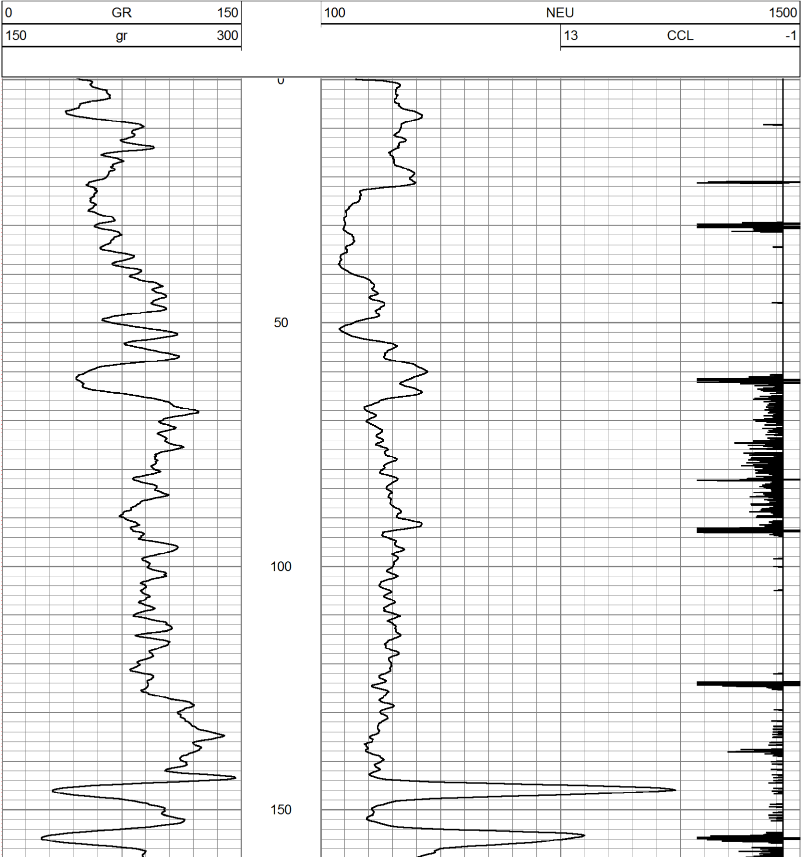
THANK YOU

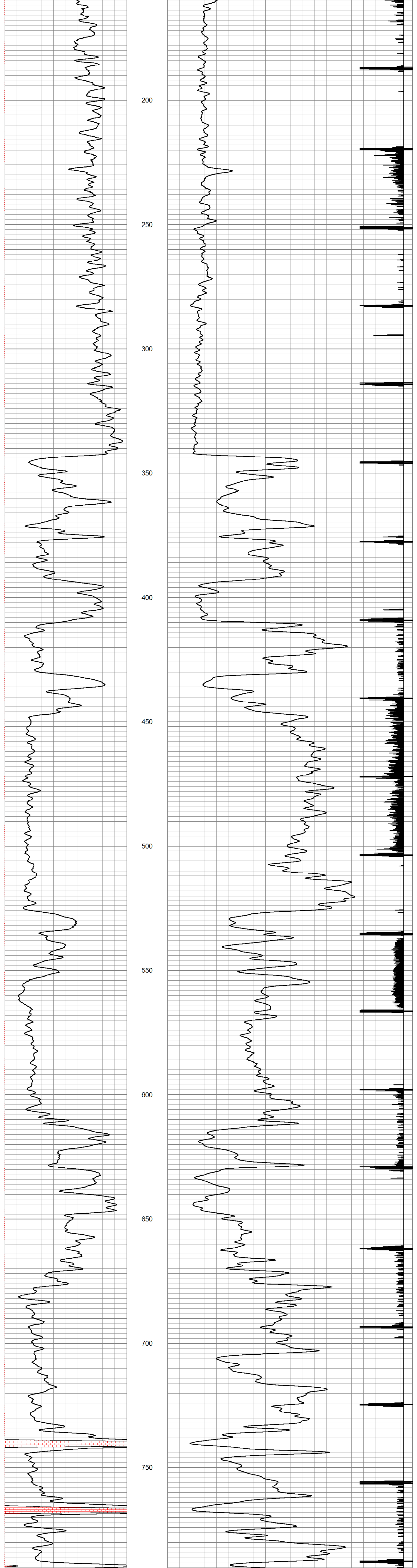


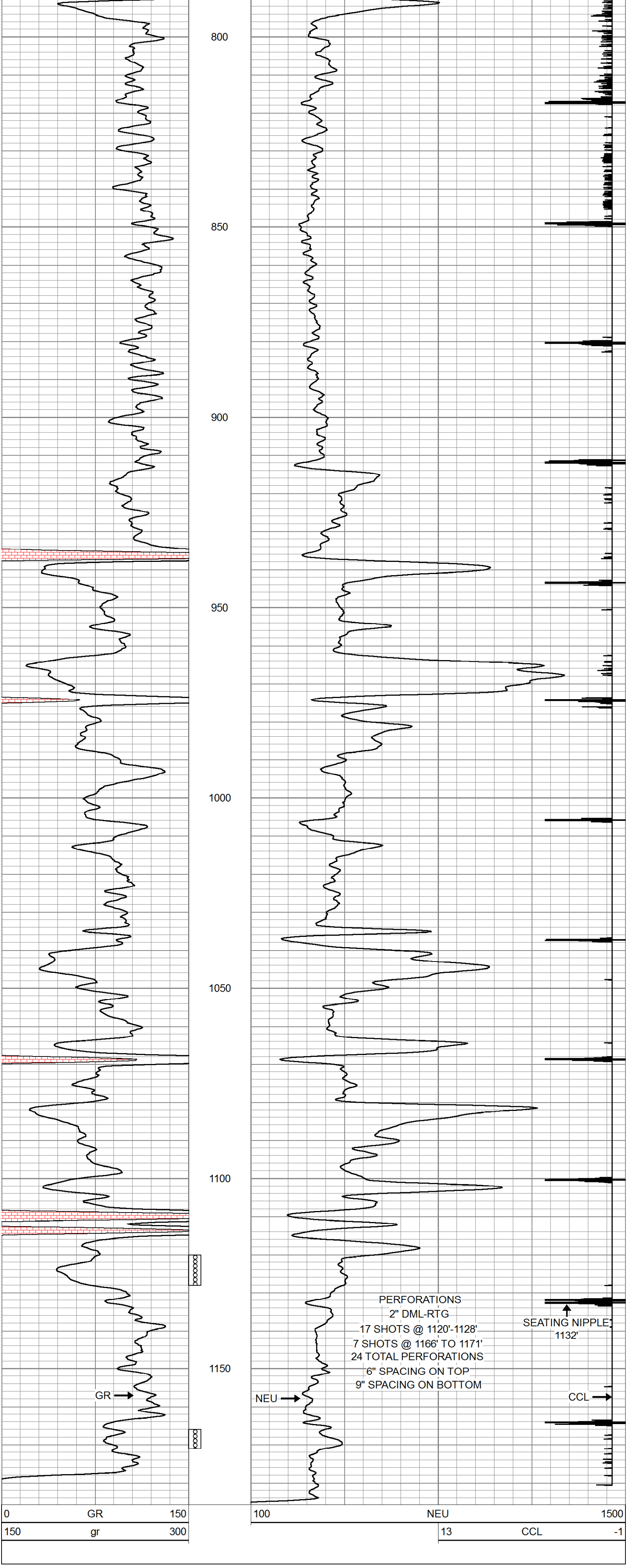
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	7.59		GR-TITAN_169 (TIT169_001) Titan 1 11/16" Gamma Ray	4.75	1.69	20.00
CCL	5.05		CCL-TITAN_169 (TIT169) Titan 1 11/16" Logging CCL	1.83	1.69	7.50
NEU	0.63		NEU-TITAN_169 (TIT169_001) Titan 1 11/16" Neutron	4.33	1.69	20.00

Dataset:	switzer #n-1.db: field/well/run1/pass1
Total Length:	10.92 ft
Total Weight:	47.50 lb
O.D.	1.69 in

Database File:	f:\switzer #n-1.db
Dataset Pathname:	pass1
Presentation Format:	gr-n-ccl
Dataset Creation:	Tue Sep 10 10:20:11 2013 by Log Std Casedhole 07122
Charted by:	Depth in Feet scaled 1:240







PERFORATIONS
2" DML-RTG
17 SHOTS @ 1120'-1128'
7 SHOTS @ 1166' TO 1171'
24 TOTAL PERFORATIONS
6" SPACING ON TOP
9" SPACING ON BOTTOM

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County	WOODSON	SEC. 3 TWP. 24S REG. 15E	
State	KANSAS	Date	9-10-2013