

RADIATION GUARD LOG

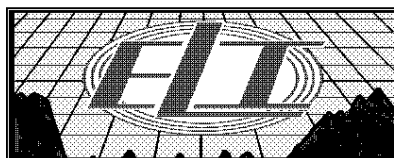
Company	L.D. DRILLING, INC.		
Well	#1-4 CRYSTAL		
Field	WILDCAT		
County	ELLIS	State	KANSAS
Location:	API # : 15-051-26945-0000		Other Services CDL/CNL DIL/MEL
Permanent Datum Log Measured From Drilling Measured From	740' FSL & 2380' FVL SE - NE - SE - SW SEC 4 TWP 11S RGE 16W		Elevation K.B. 1859 D.F. 1857 G.L. 1854
Date	4/23/19		
Run Number	ONE		
Depth Driller	3594		
Depth Logger	3595		
Bottom Logged Interval	3593		
Top Log Interval	2700		
Casing Driller	8 5/8"@261'		
Casing Logger	261		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5,200 PPM	
Density / Viscosity	9.3/46		
pH / Fluid Loss	10.0/8.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.400@80F		
Rinf @ Meas. Temp	.300@80F		
Rinc @ Meas. Temp	.480@80F		
Source of Rinf / Rinc	MEASUREMENT		
Rim @ BHT	.286@112F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	11:45 P.M.		
Maximum Recorded Temperature	112F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KIM SHOEMAKER		

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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

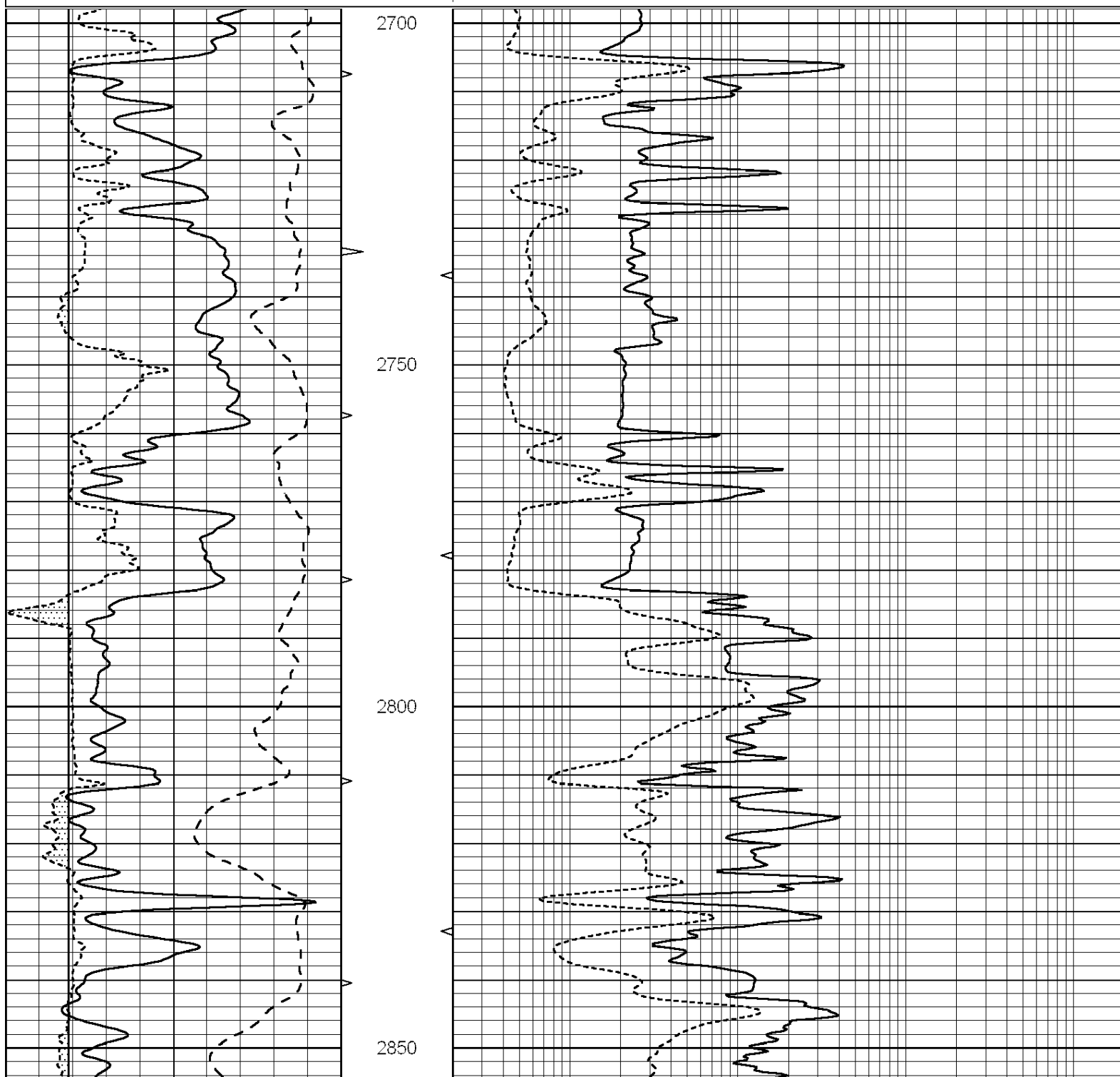
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
HAYS, KS., N. ON HWY 183 TO "RIVER RD.", 11E. TO T, 2N. ON VINCENT RD. FOLLOW CURVES, E.
INTO GATE

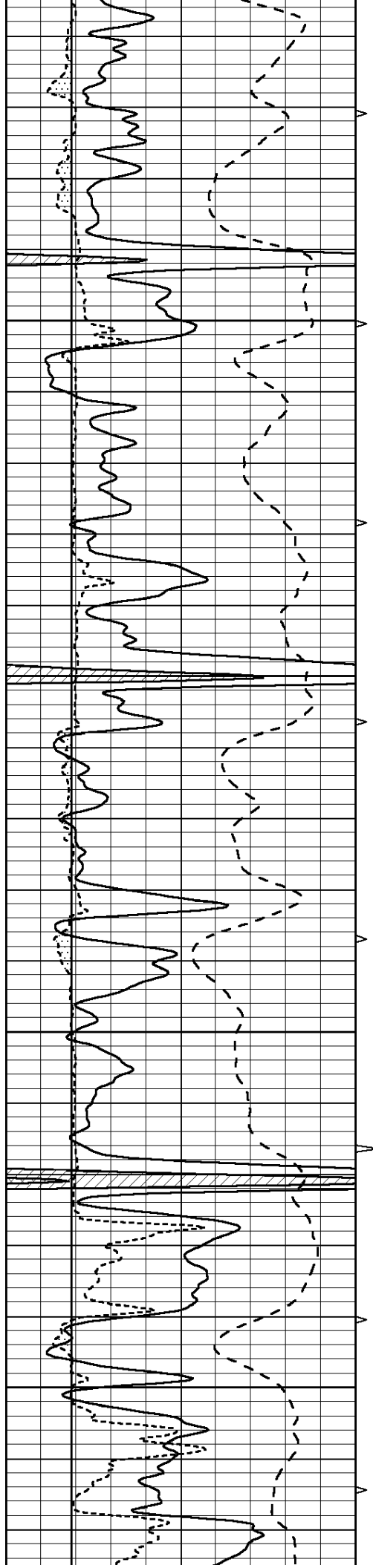


MAIN SECTION

Database File: 3615ddn.db
 Dataset Pathname: pass3.3
 Presentation Format: rag
 Dataset Creation: Thu Apr 25 00:15:38 2019 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	1000
6	BOREID (in)	16	10 (ft3)	0	NEUTRON
-100	SP (mV)	100	TBHV		
6	(in)	16	0 (ft3)	10	(cps)
6	CALIPER (in)	16			2000
					GUARD
					(Ohm-m)



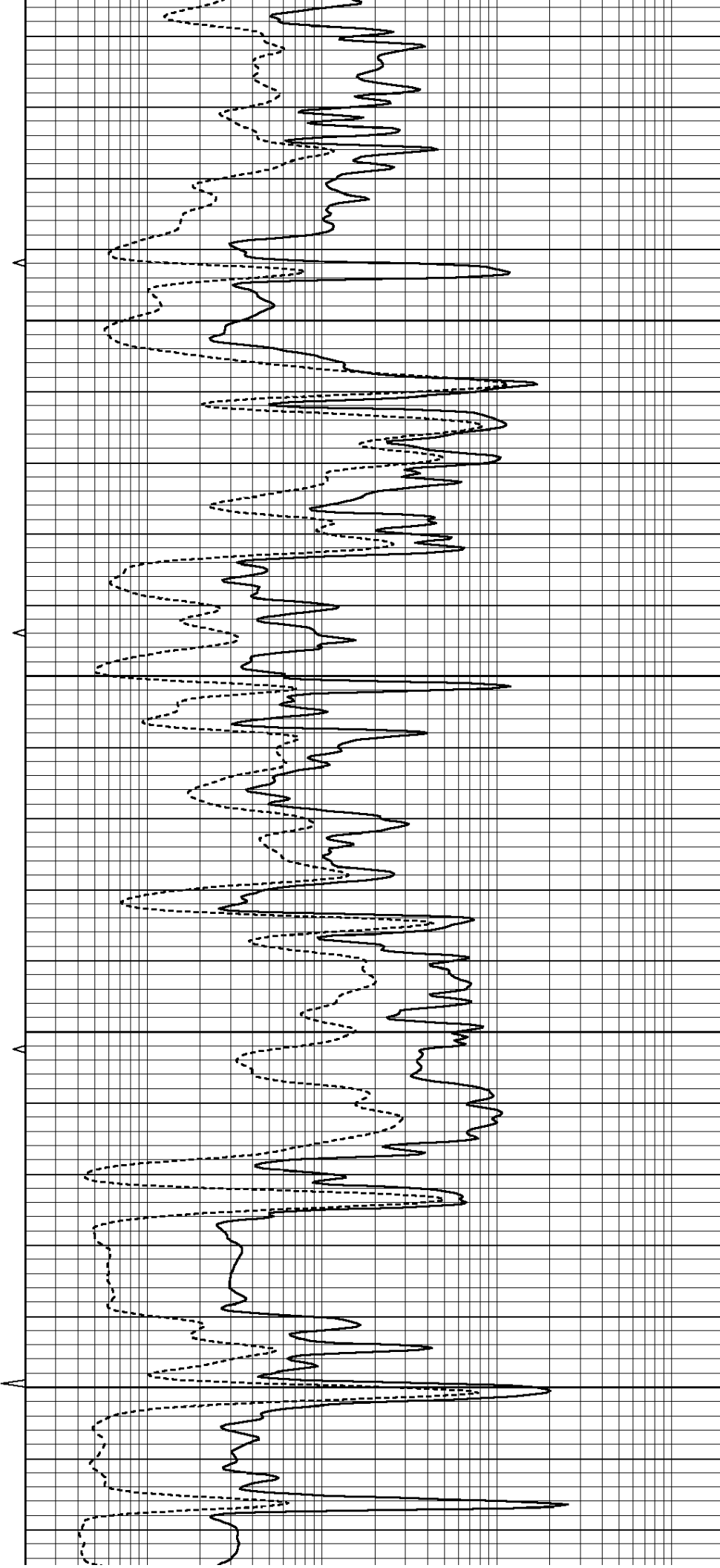


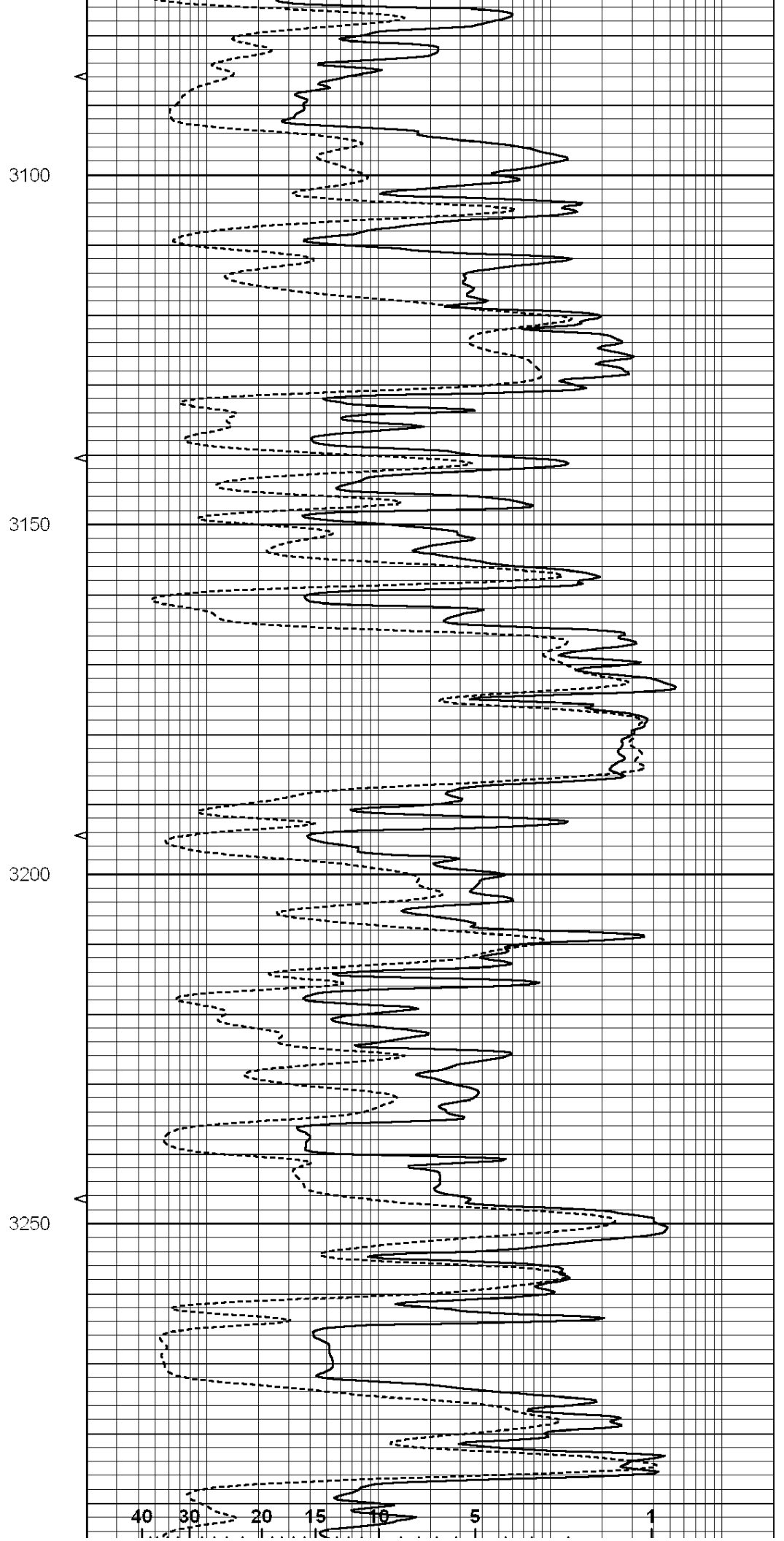
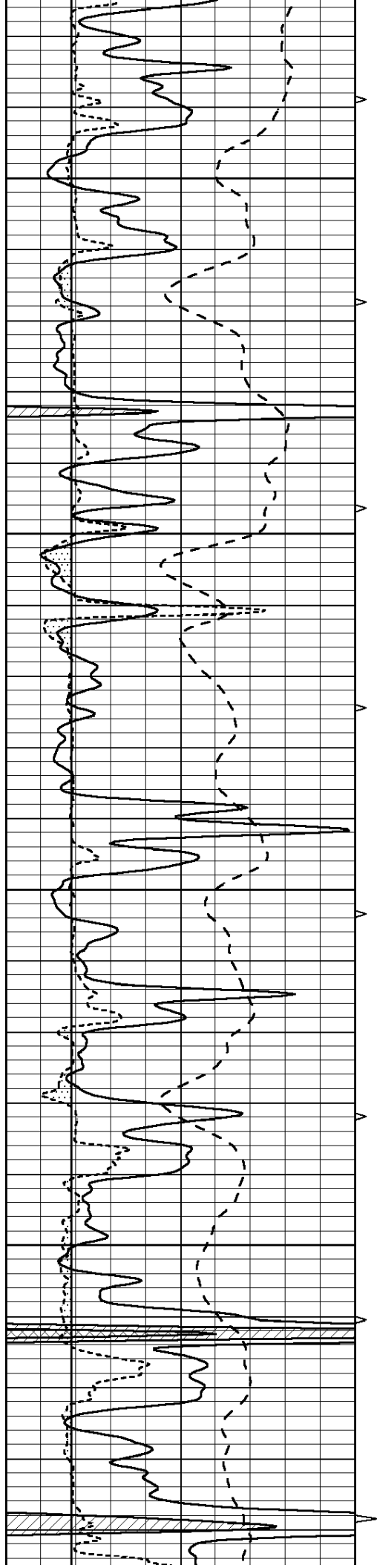
2900

2950

3000

3050





40 30 20 15 10 5 1

