

Tucker

WIRELINE SERVICES

SPECTRAL GAMMA RAY LOG

Company LB EXPLORATIONS INC. Well LARKIN #14-2 Field DEERHEAD NORTH County BARBER State KANSAS Country USA API No. 15-007-20258-00-01		File No : TUL-55923 Company : LB EXPLORATIONS INC. Well : LARKIN #14-2 Field : DEERHEAD NORTH County : BARBER State : KANSAS Country : USA API No : 15-007-20258-00-01	
Location : 1880' FSL & 2120' FWL NW SE		LSD : Sect : 14 Twp : 32S Rge : 15E	
Permanent Datum:	GL	Elevations:	
Drilling Measured From:	KB	KB 2110.00	Ft
Log Measured From:	KB	DF 2009.00	Ft
Above Permanent Datum:	13.00 Ft	GL 1997.00	Ft
Date	Oct 10 2011		
Run Number	1		
Depth--Driller	5400.0 Ft		
Depth--Logger	5393.0 Ft		
First Reading	5370.0 Ft		
Last Reading	3500.0 Ft		
Casing--Driller	244.0 Ft		
Casing--Logger	257.0 Ft		
Bit Size	7.875 In		
Casing Size	8.625 In		
Hole Fluid Type	WBM		
Density	9.1 LBS/GAL		
Fluid Loss	11.2 CC		
PH/Viscosity	9.0 45.0 SEC		
Sample Source	MEASURED		
RMF@Measured Temp.	0.780 @ 66 F		
RMF@Measured Temp	0.663 @ 66 F		
RMF@Measured Temp.	1.031 @ 66 F		
Source RMF/RMC	CALCULATED/CALCULATED		
RM@BHT	0.414 @ 130 F		
Time Circulation Stopped	Oct 09 2011 10:00		
Max Recorded Temp.	130 F		
Equipment/Base	TRK123 TULSA		
Recorded By	S. DAVIS / R. FRANKLIN		
Witnessed By	S. PETERMAN		

The customer is hereby warned that by providing the log data herein, T. W. S. does not agree to provide any interpretation of log data, conversion of log data to physical rock parameters or recommendations. T. W. S. does not guarantee or warrant either expressly or impliedly, the accuracy of any interpretation of log data, conversion of log data to physical rock parameters or recommendations which may be given by T. W. S. personnel. Any interpretation, conversion or recommendation is not part of the consideration for the agreement between the parties and is not part of any part of the charge by T. W. S. for its services. Any user of the log data is warned that said user is not entitled to rely on interpretations, conversions or recommendations as aforesaid.

Bitsize Intervals		Casing Strings		
Size (In)	Bottom (Ft)	Size (In)	Weight (Lbs)	Bottom (Ft)
7.875	5400.00	8.625	20.00	244.00

Run Number	1	
Date	Oct 10 2011	
Date/Time On Bottom	Oct 10 2011 03:30	
Depth to Fluid	0.0 Ft	
Salinity	0.000 PPM	
RMF@BHT	0.352 @ 130 F	
RMC@BHT	0.548 @ 130 F	

Run Number 1

Comments

ALL PRESENTATIONS AS PER CUSTOMER REQUEST
GRT, CNT, LDT, MLT, CST, AND PIT RUN IN COMBINATION.
CALIPERS ORIENTED ON X-Y AXIS.
2.71 G/CC USED TO CALCULATED POROSITY.
ANNULAR HOLE VOLUME CALCULATED UISING 5.50" PRODUCTION CASING.
DETAIL PRESENTED FROM TD TO DETAIL 3500' PER CUSTOMER REQUEST.

GRT: GRP, UFGRP, S-KK, S-UK, S-TK.
CNT: PHIN, CLCNIN.
LDT: PORL, LCORN, PECLN, LDENN, PORLLS, CLLDIN.
MLT: NOR_RF, INV_RF, MSCLPIN.
CST: PORS, ITT, CDTF, TT1, TT2, TT3, TT4.
PIT: ILD, ILM, SPU, SFLAEC.

OPERATORS:
J. THOMAS
S. DAVIS
A. WARREN

Well File: lb_exp_lar_14-2_oct_10 Quint

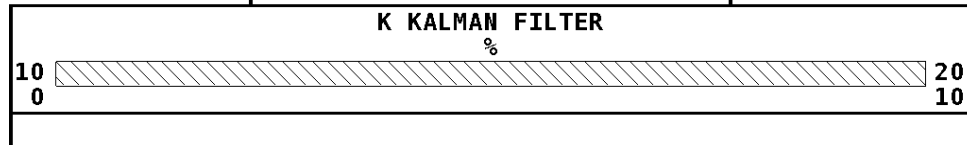
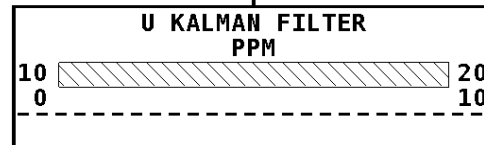
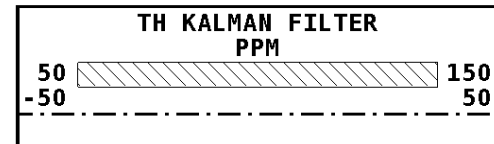
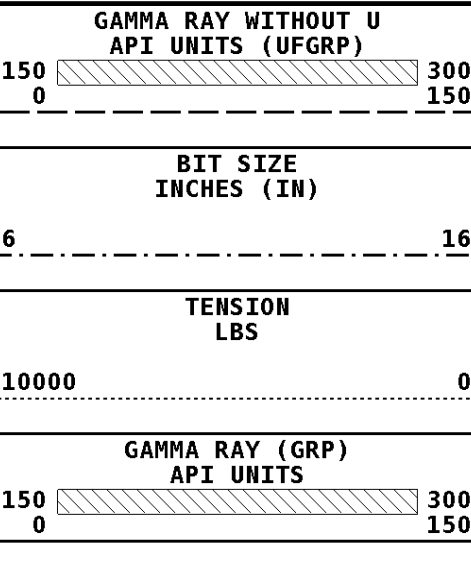
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Segment: V1.D4.S1 MAIN

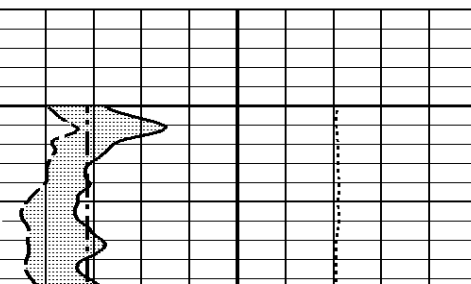
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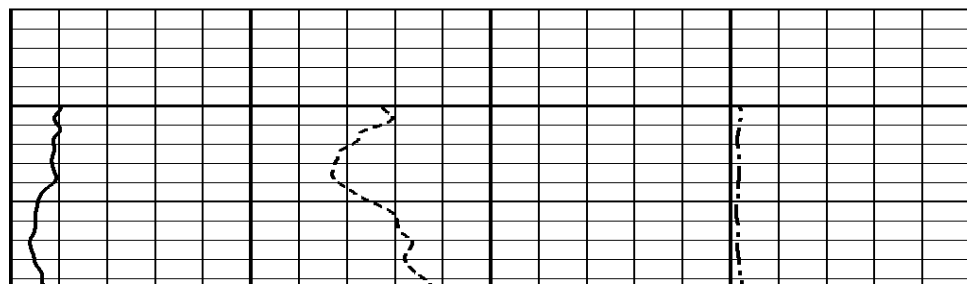


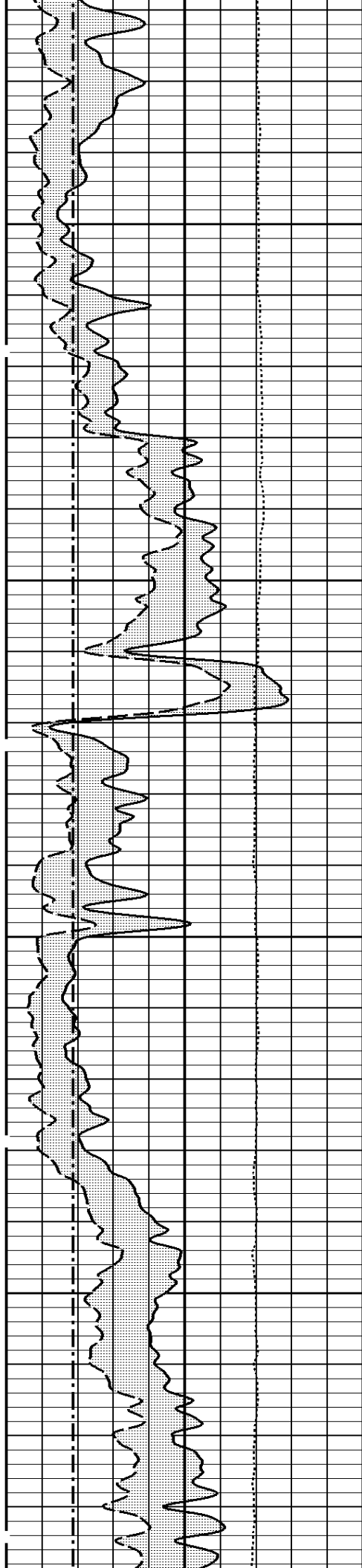
1:240 MAIN SECTION



File #1.4.1

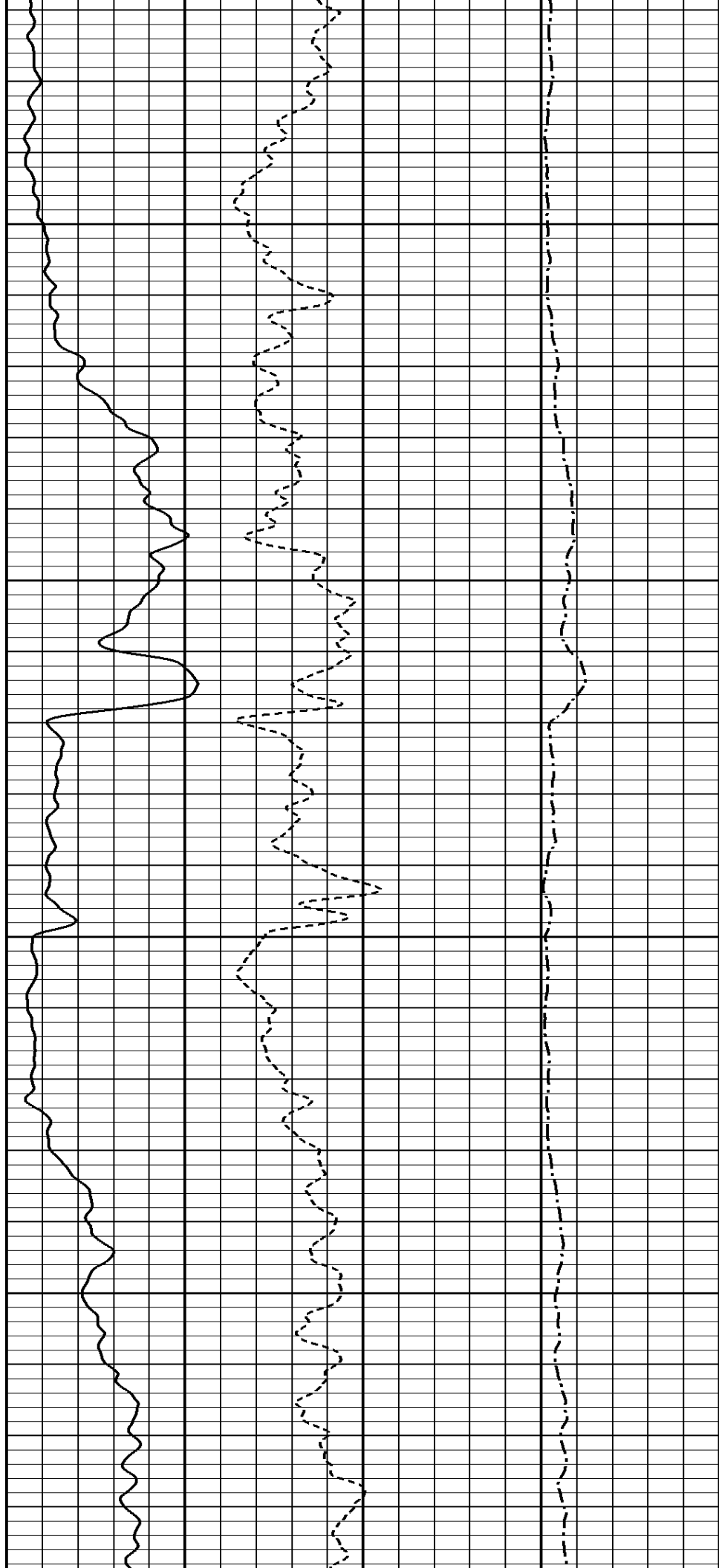
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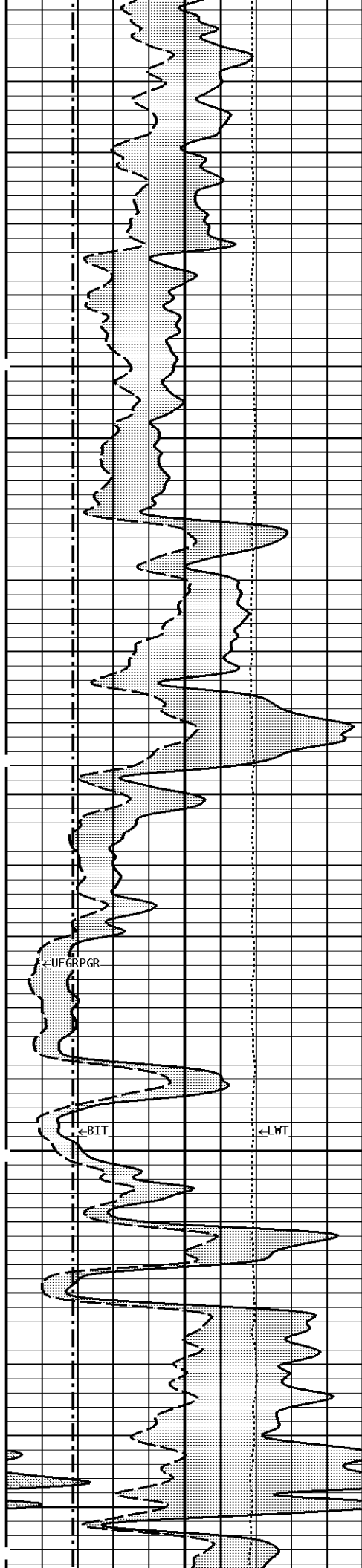




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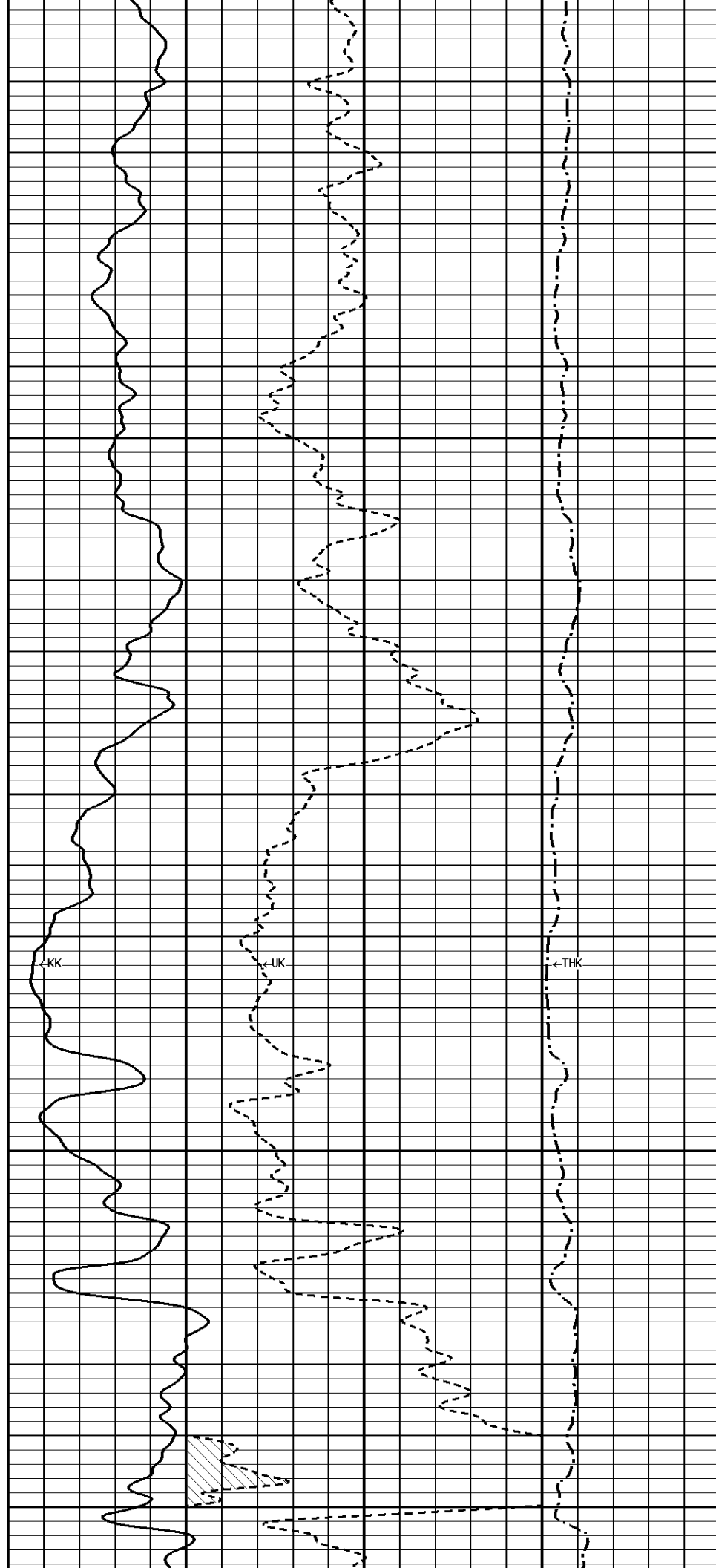
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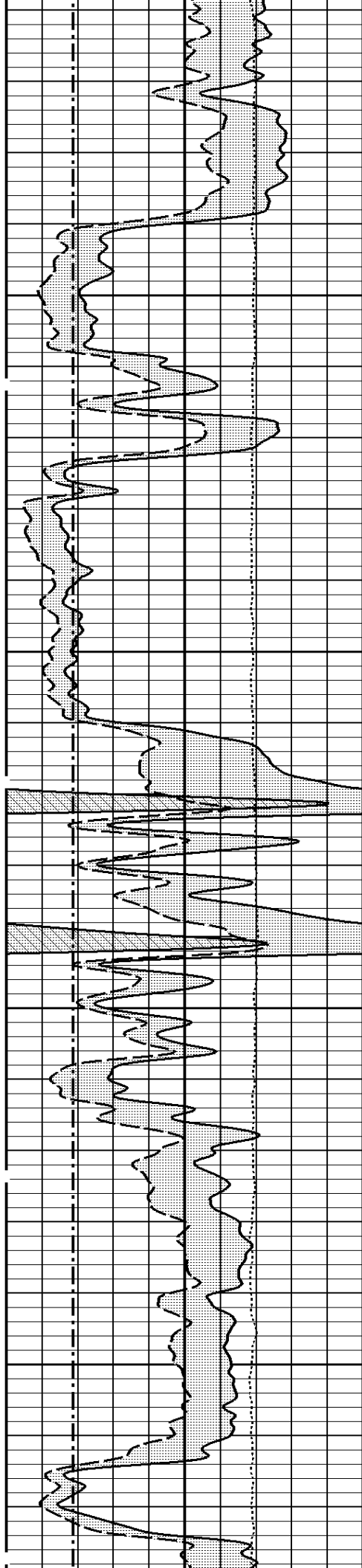




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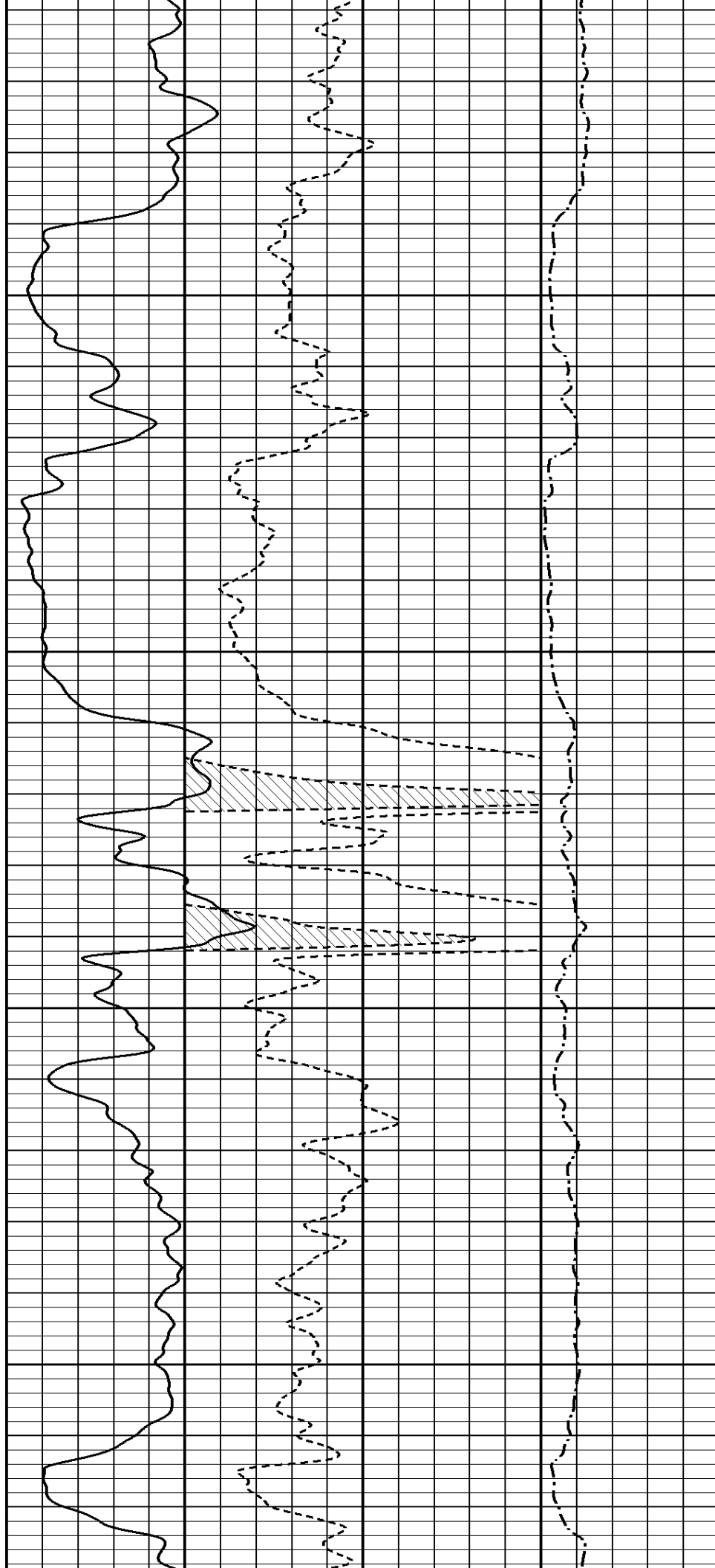
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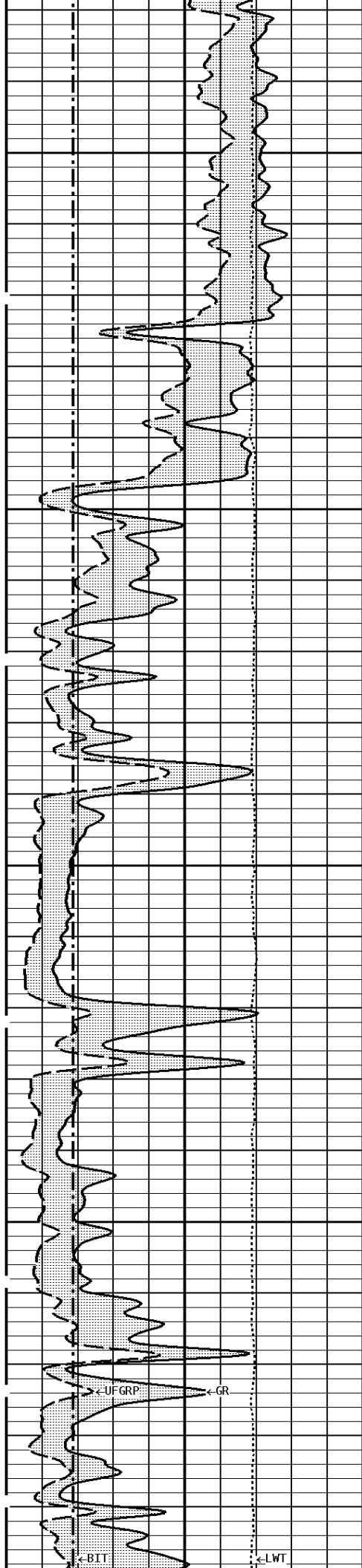




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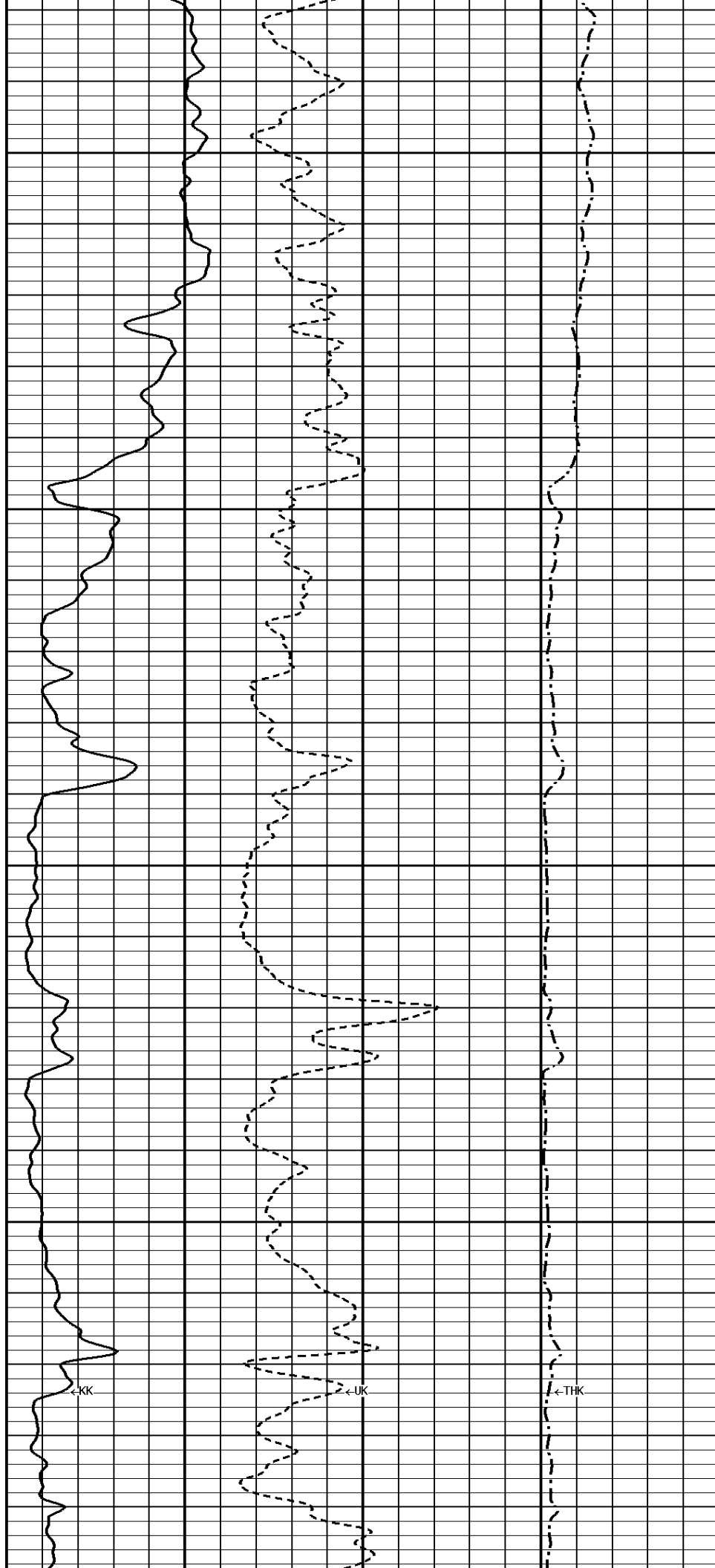
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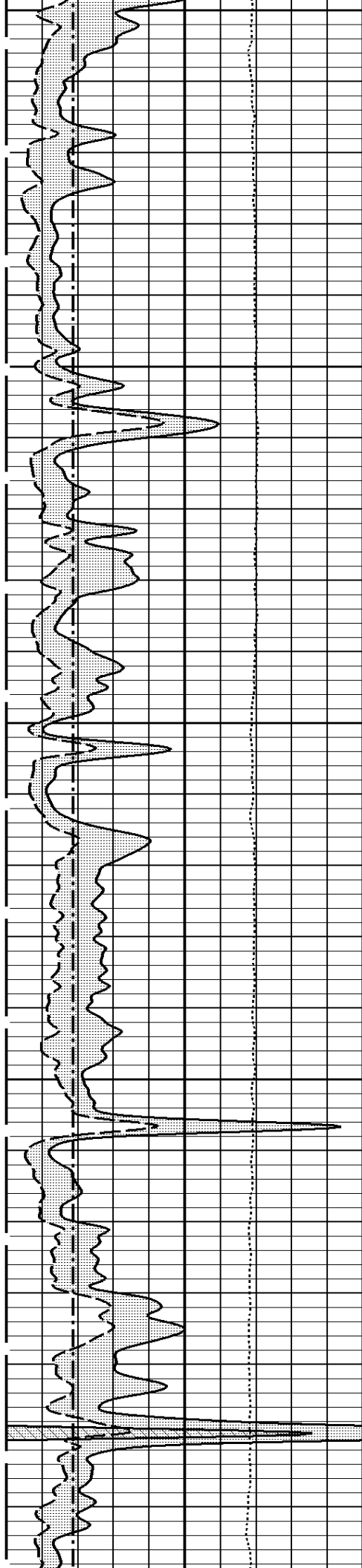




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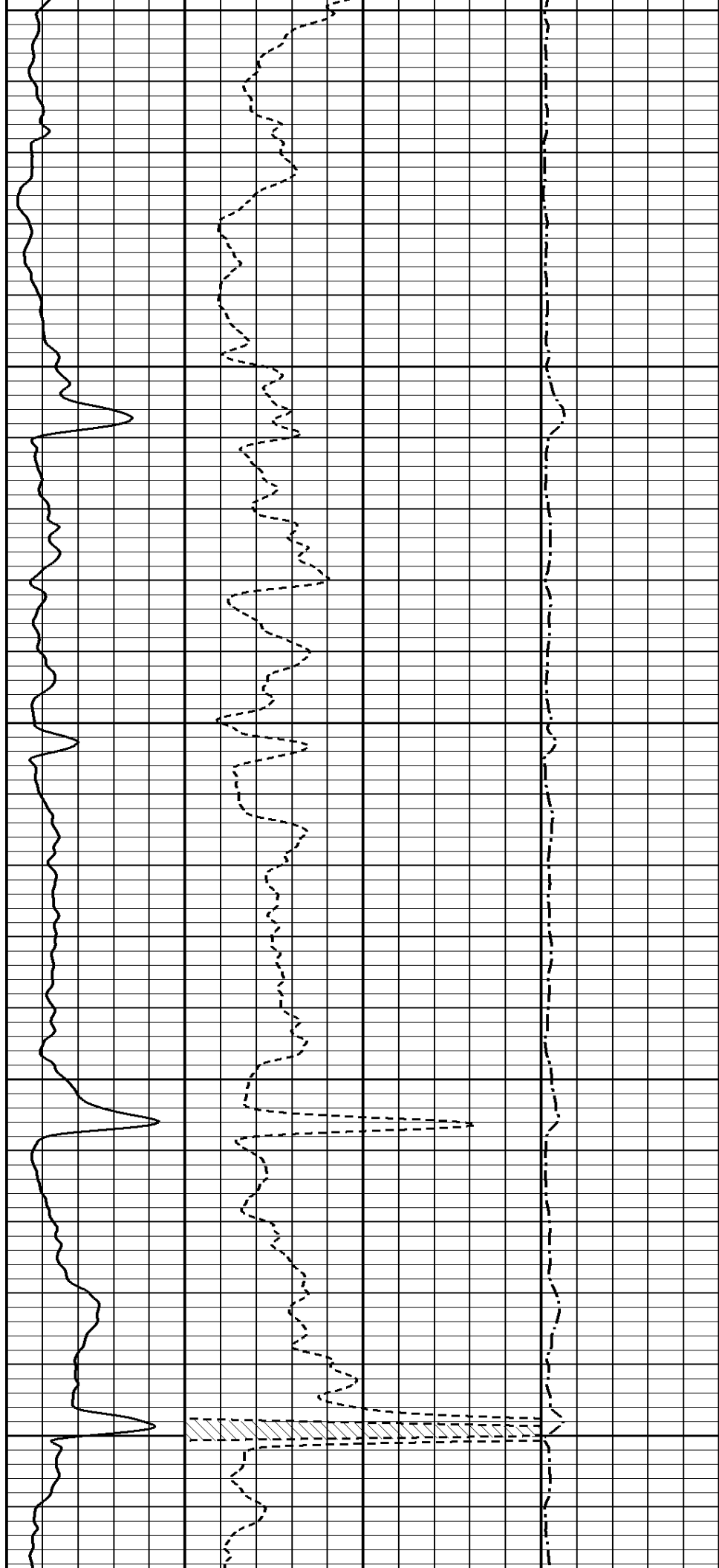


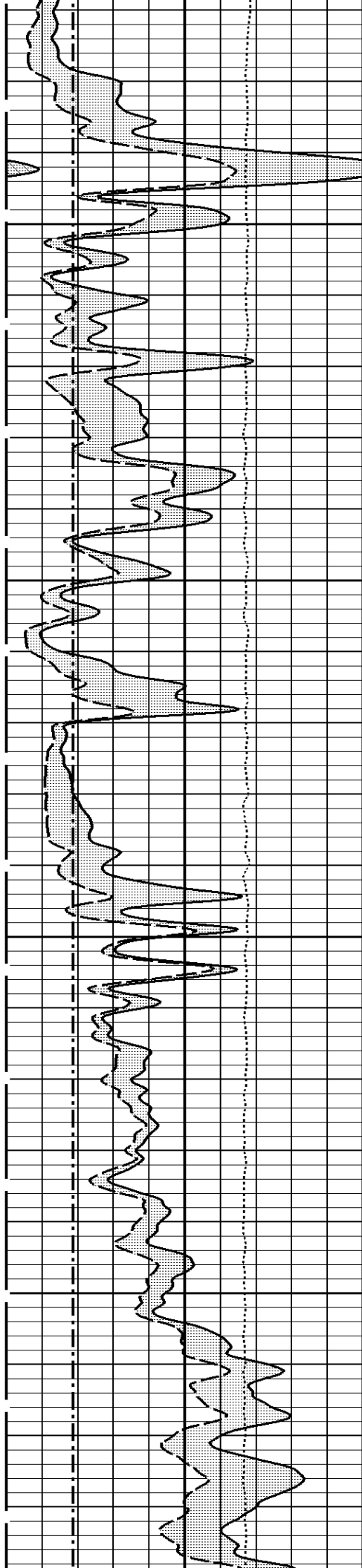


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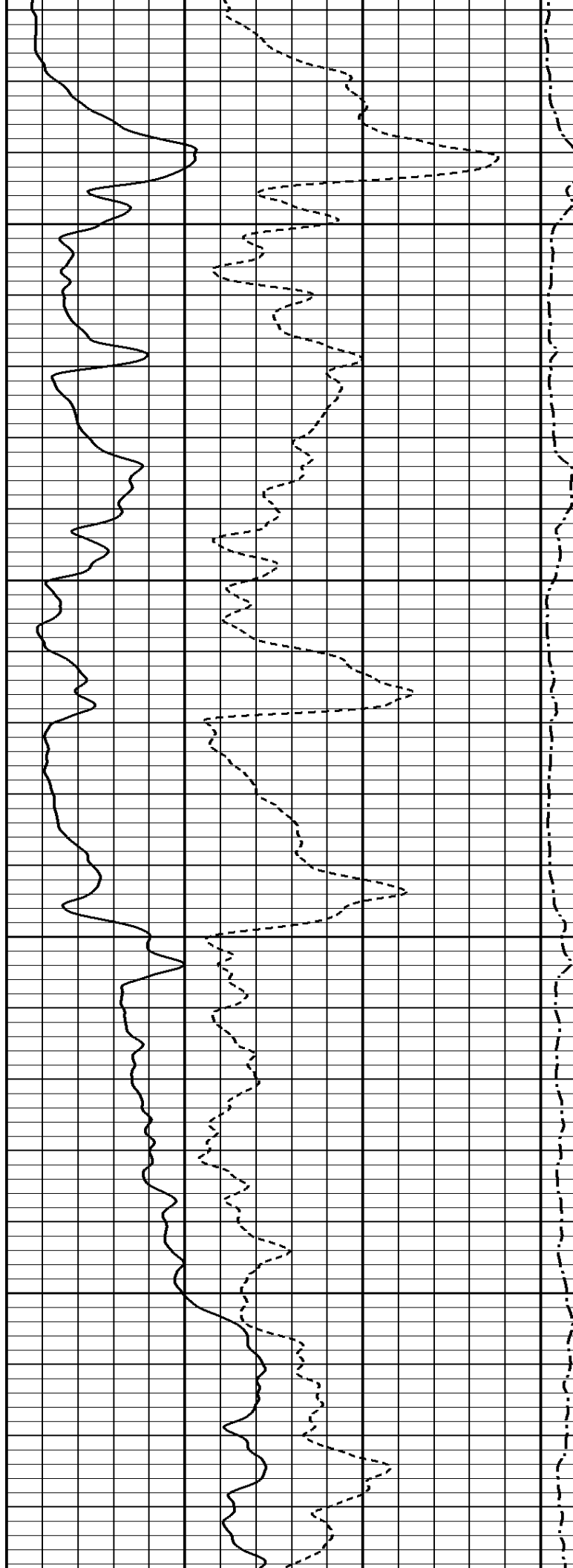
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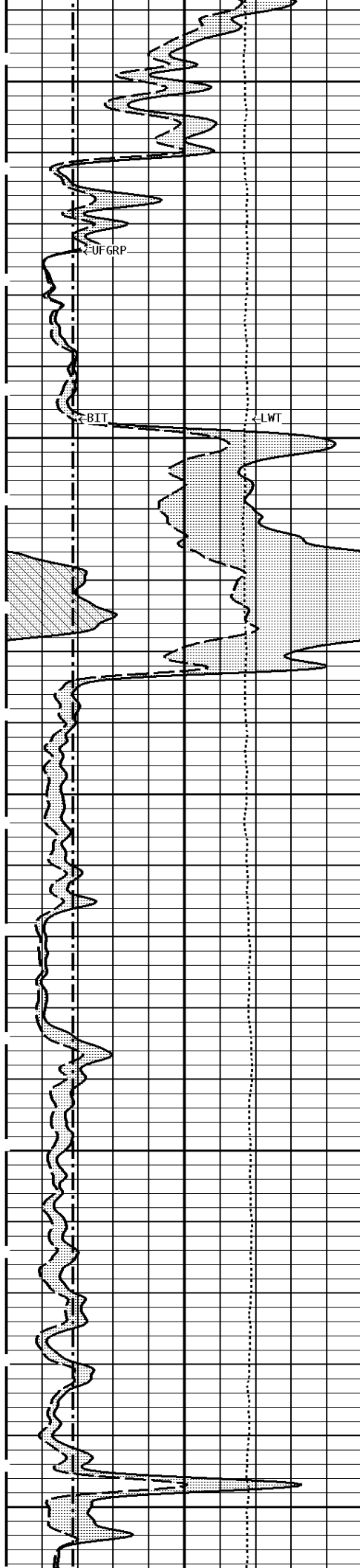




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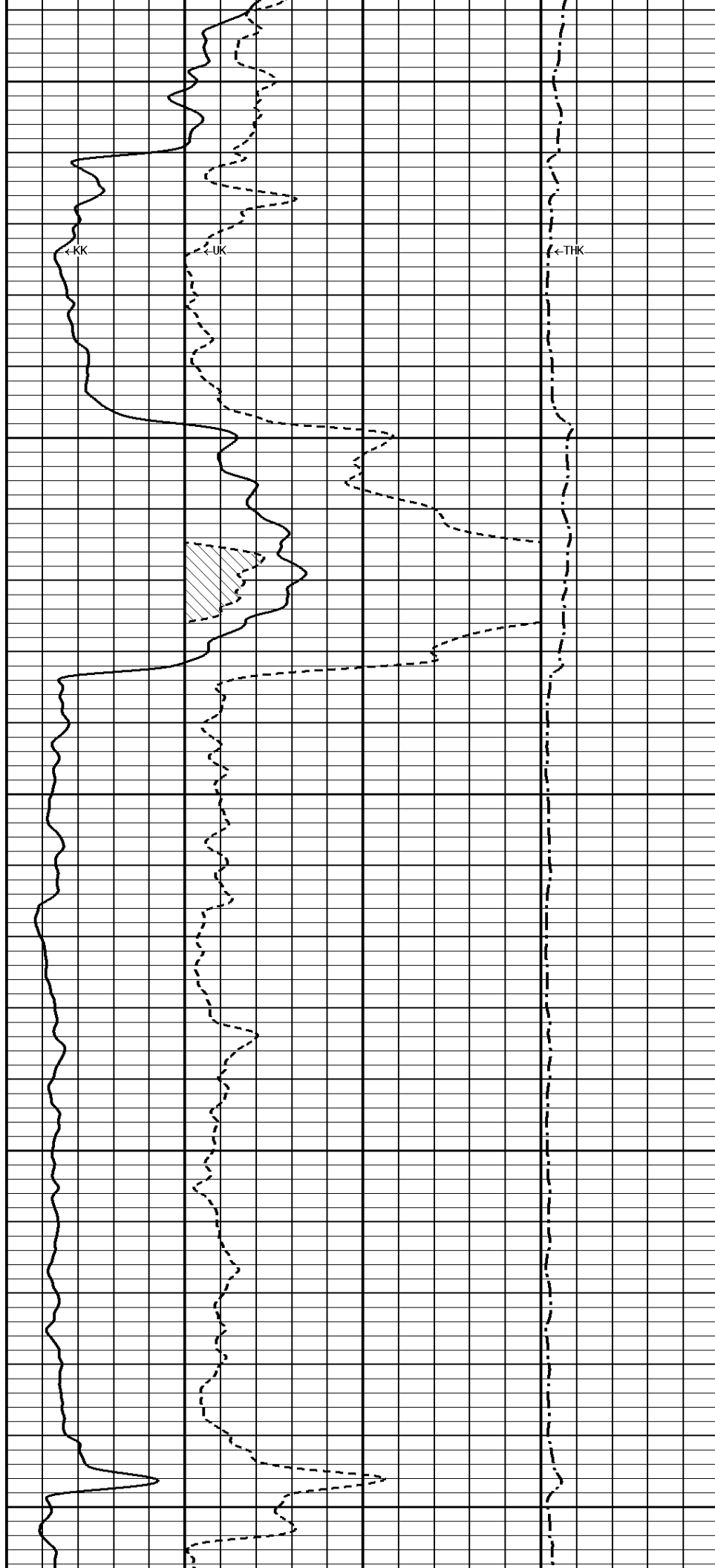
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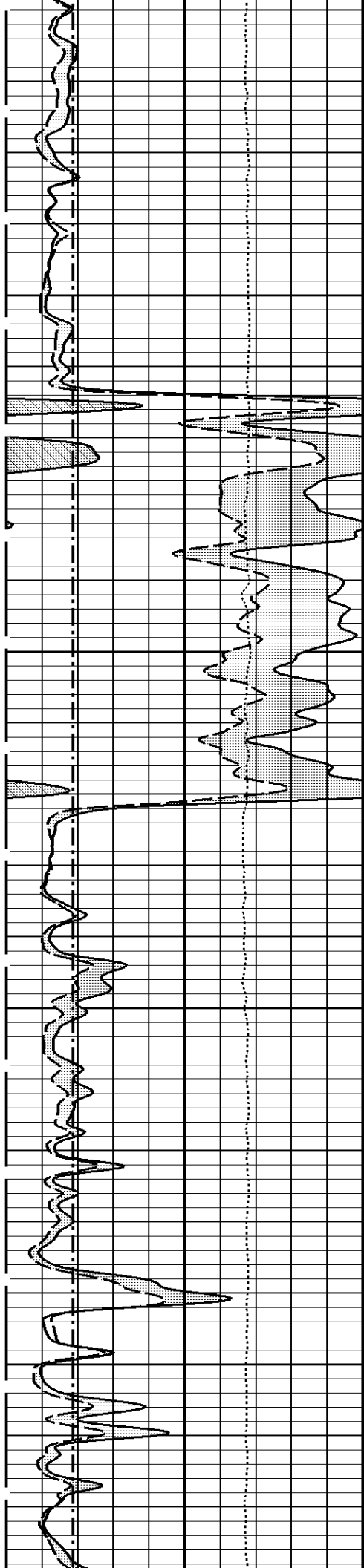




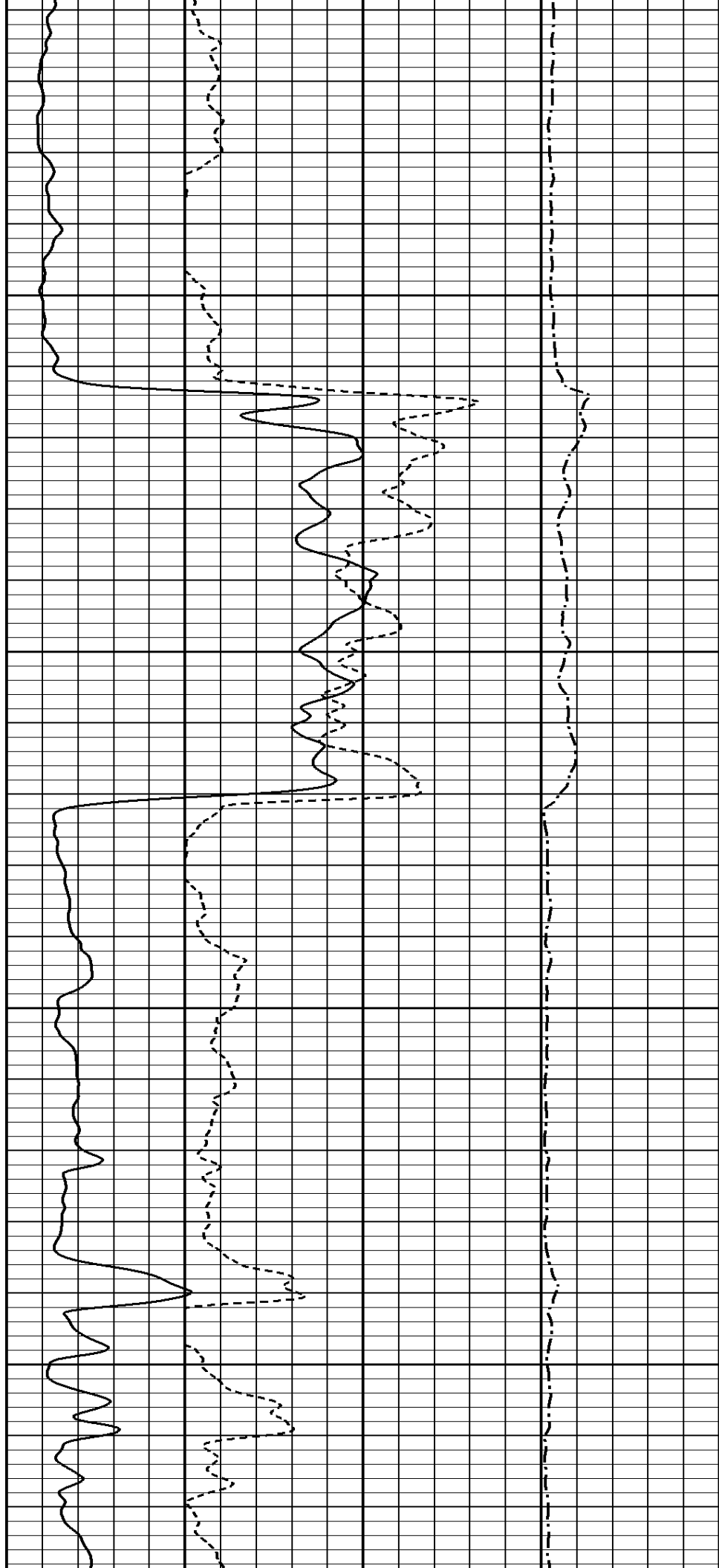
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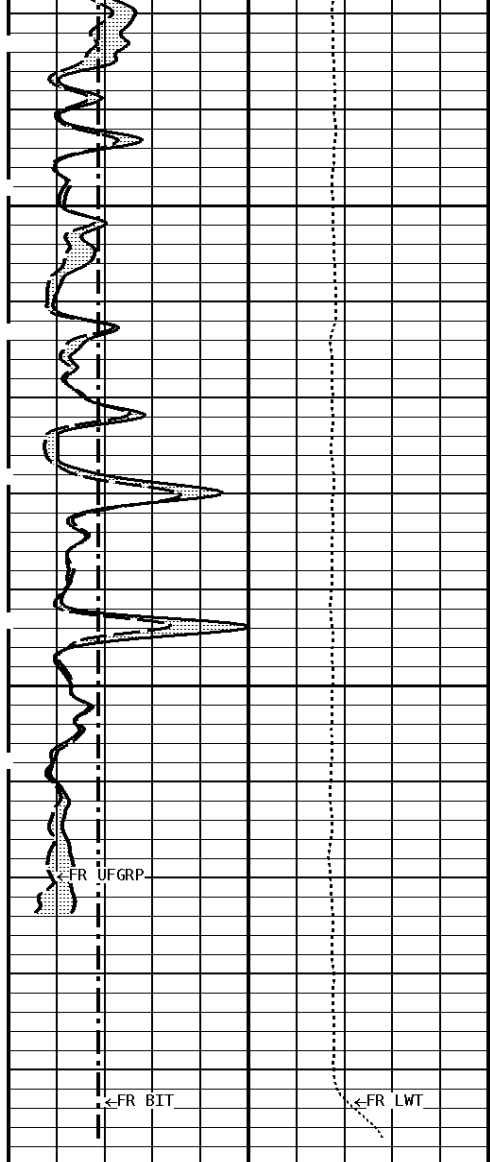




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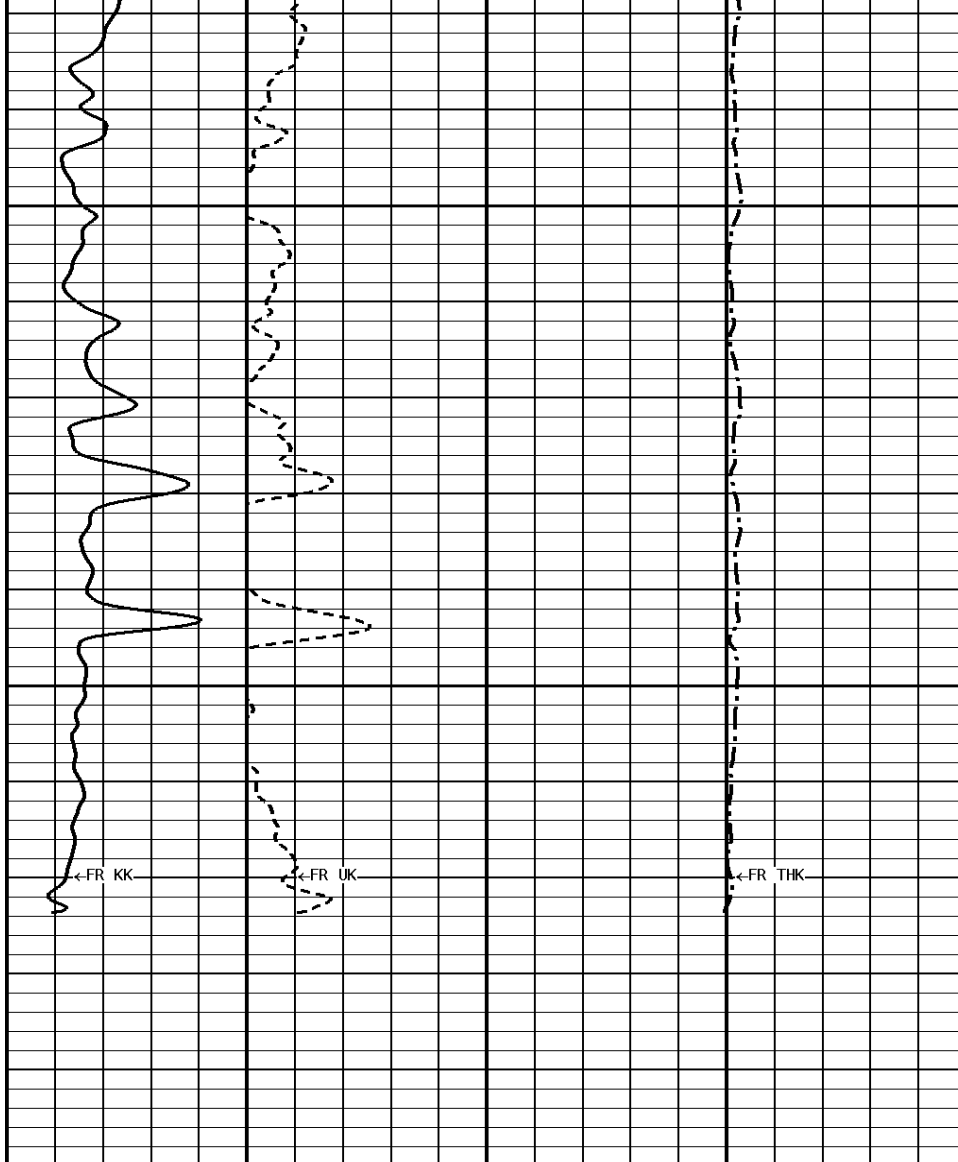
5200



5300

5393

File #1.4.1



1:240 MAIN SECTION

GAMMA RAY (GRP)
API UNITS

150 0 300 150

TENSION
LBS

10000 0

BIT SIZE
INCHES (IN)

6 16

GAMMA RAY WITHOUT U
API UNITS (UFGRP)

150 0 300 150

K KALMAN FILTER
%

10 0 20 10

U KALMAN FILTER
PPM

10 0 20 10

TH KALMAN FILTER
PPM

50 -50 150 50