



**SUPERIOR**  
Hays,  
Kansas

**DUAL RECEIVER  
CEMENT BOND  
LOG**

Company GRAND MESA OPERATING CO.  
Well SMITH #1-34  
Field WILDCAT  
County LOGAN  
State KANSAS

Company GRAND MESA OPERATING COMPANY, INC.  
Well SMITH #1-34  
Field WILDCAT  
County LOGAN State KANSAS

Location: 1896' FNL & 2374' FWL  
SEC 34 TWP 12S RGE 32W  
API #: 15-109-20959-0000  
Other Services  
PERF  
Elevation  
Permanent Datum GROUND LEVEL Elevation 2978  
Log Measured From KELLY BUSHING 5' A.G.L.  
Drilling Measured From KELLY BUSHING  
K.B. 2983  
D.F. 2982  
G.L. 2978

Date	12-3-10							
Run Number	ONE							
Depth Driller	4670							
Depth Logger	4648							
Bottom Logged Interval	4646							
Top Log Interval	3500							
Open Hole Size	7-7/8"							
Type Fluid	WATER							
Density / Viscosity								
Max. Recorded Temp.								
Estimated Cement Top								
Time Well Ready								
Time Logger on Bottom								
Equipment Number	0916							
Location	HAYS, KANSAS							
Recorded By	THOMASON							
Witnessed By	JOHN JOHNSON							
Borehole Record								
Run Number	Bit	From	To	Size	Weight	From	To	
Tubing Record								
Casing Record	Size	Wgt/Ft		Top	Bottom			
Surface String								
Prot. String								
Production String	5-1/2"							
Liner								

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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.

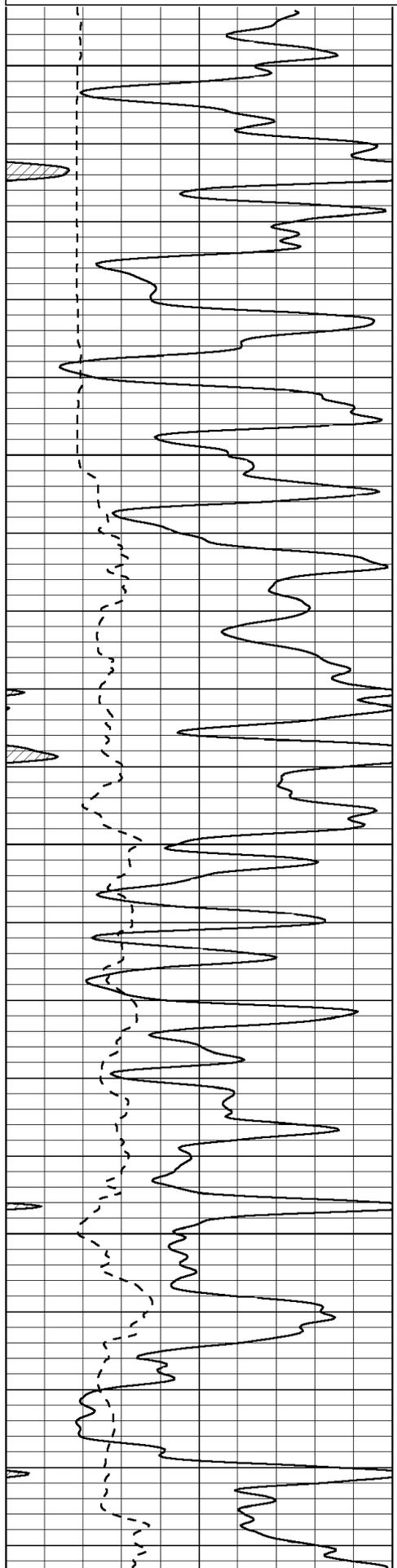
Comments

THANK YOU FOR USING SUPERIOR WELL SERVICES  
OAKLEY 10.5 SOUTH TO GOVE RD. 1/2 WEST NORTH INTO

0	Gamma Ray (GAPI)	150
200	5' Travel Time (usec)	1100

0	3' Amplitude (mV)	100
9	CCL	-1
0	Amplified Amplitude (mV)	20

200	5FT VDL	1000
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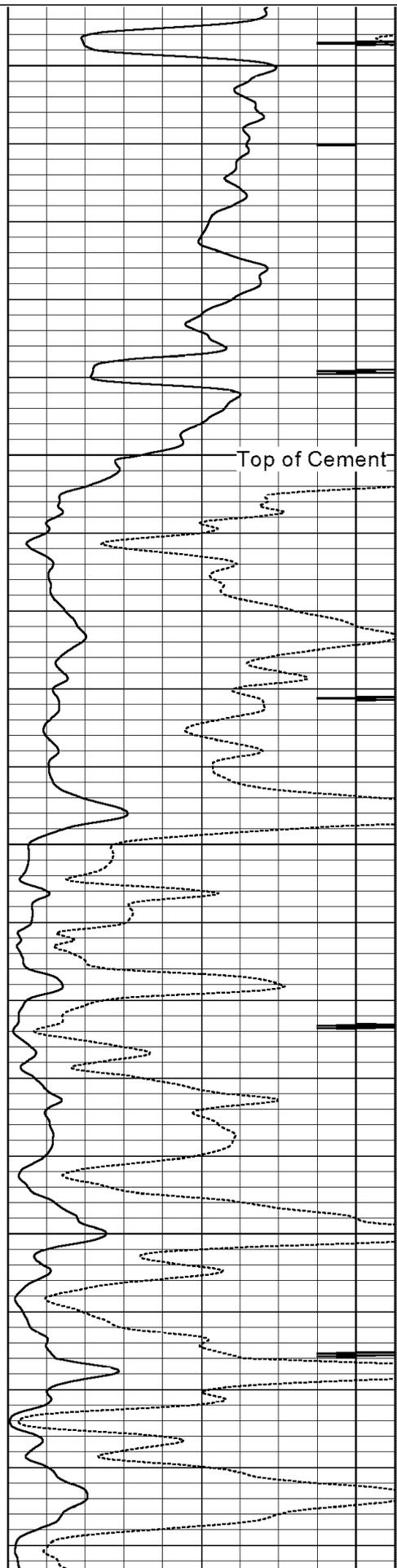


3500

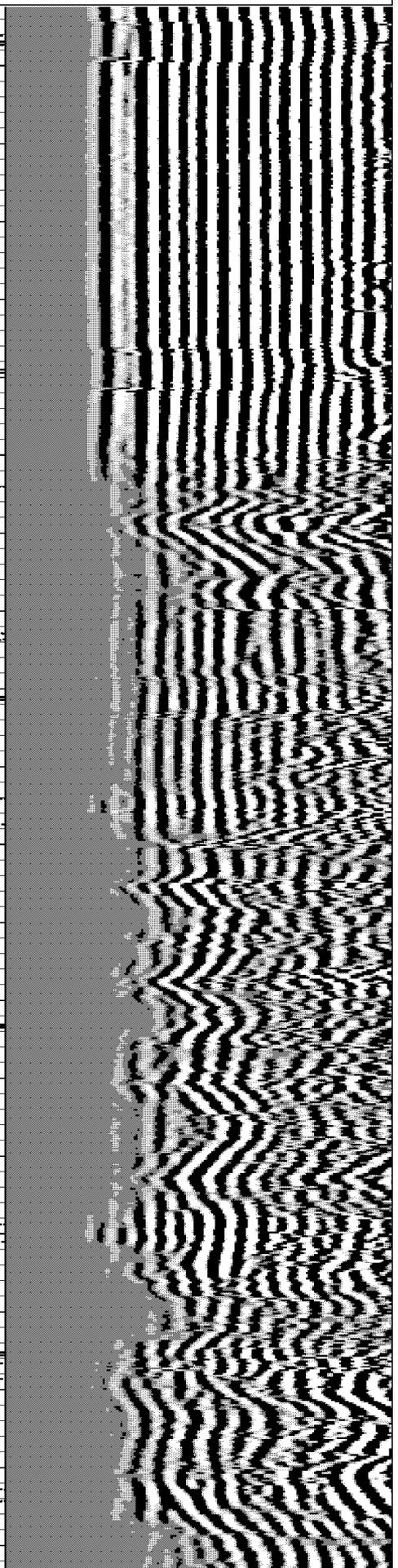
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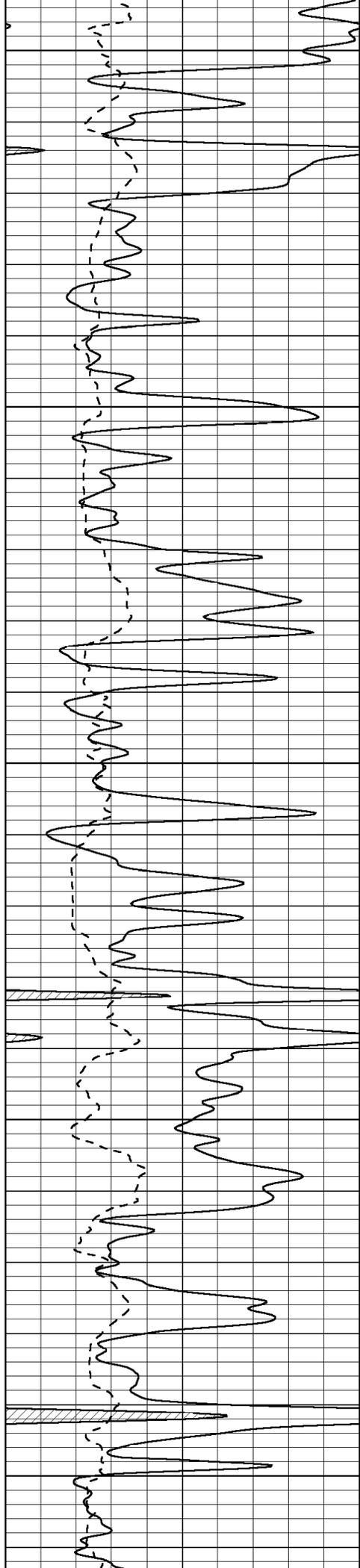
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3650



Top of Cement





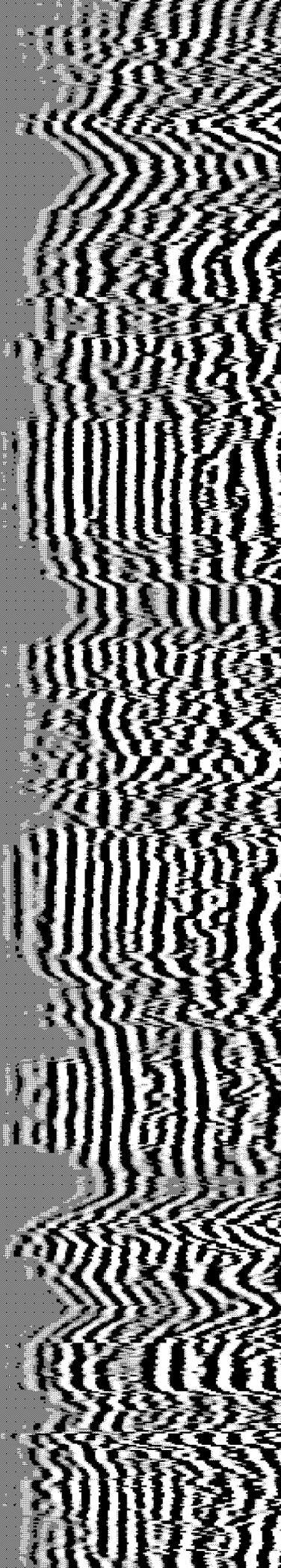
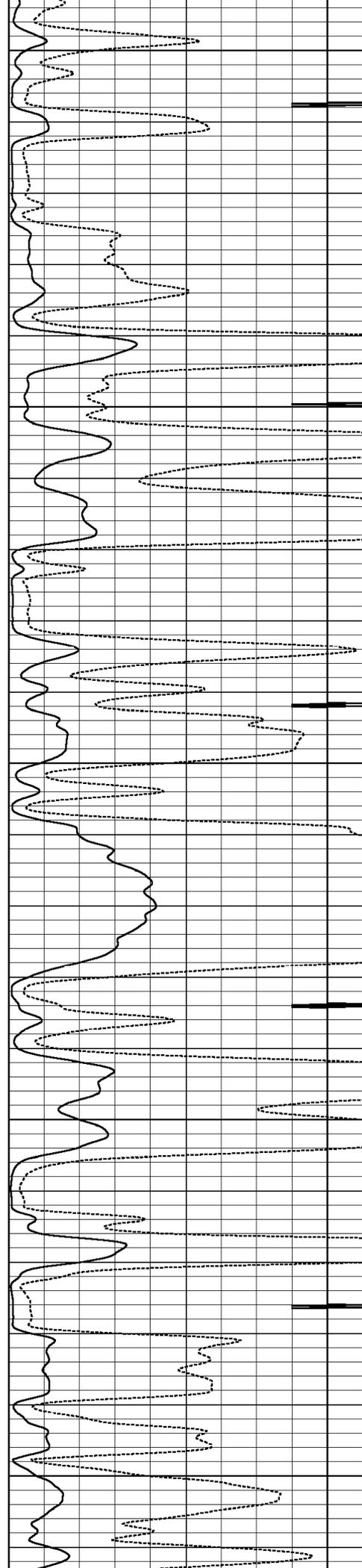
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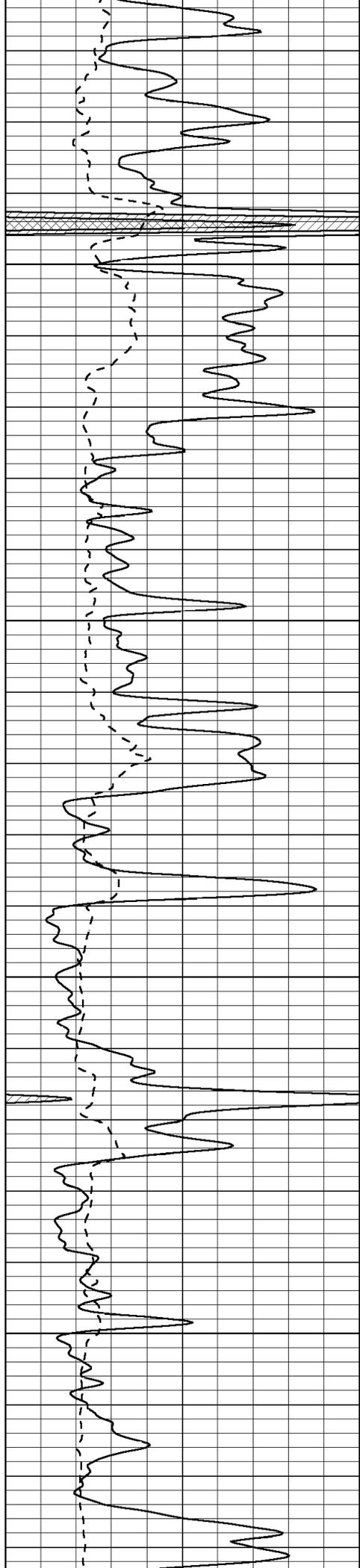
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3800

3850

3900



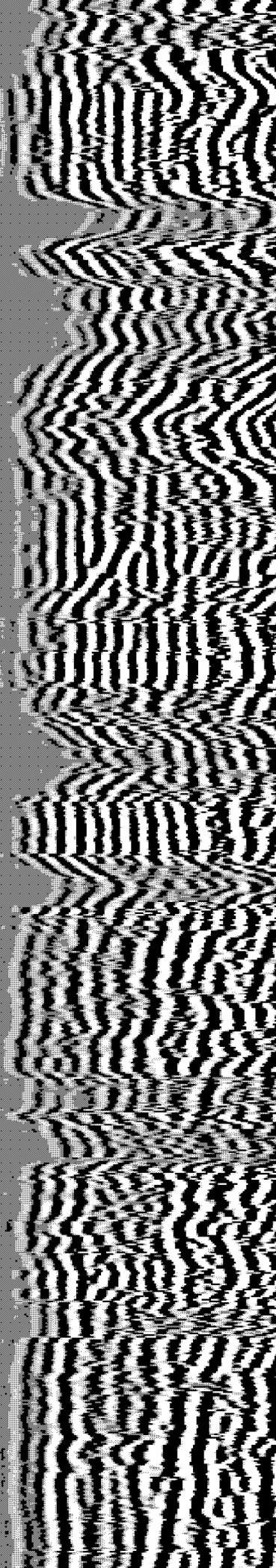
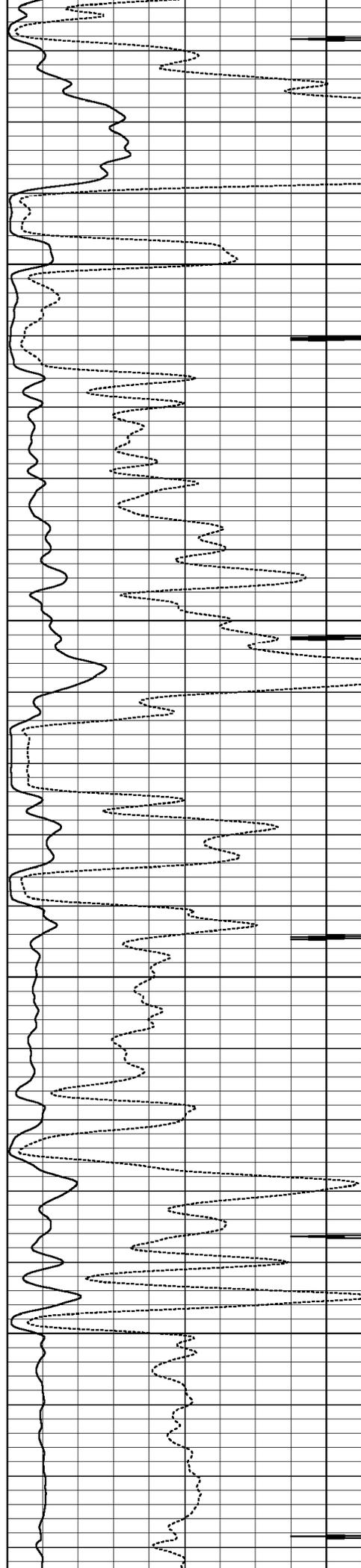


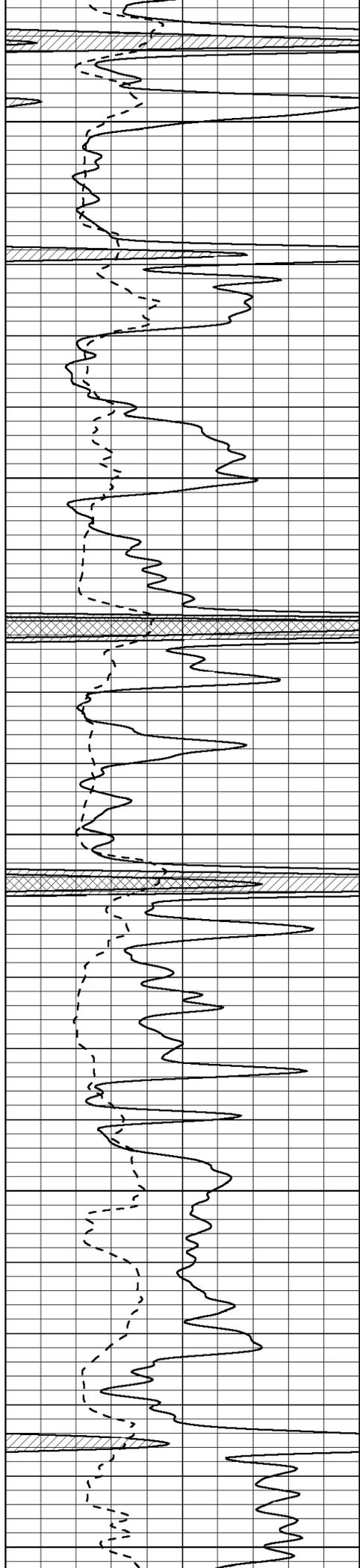
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4000

4050

4100





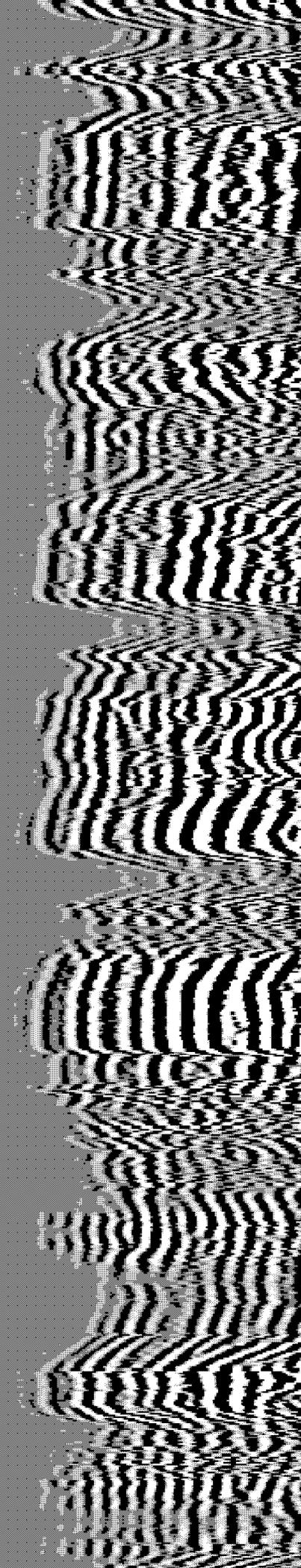
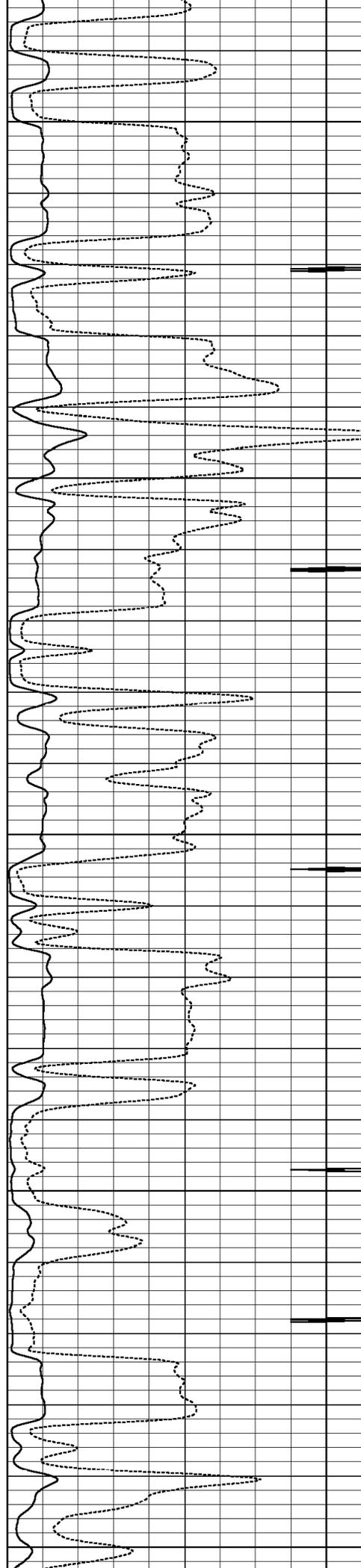
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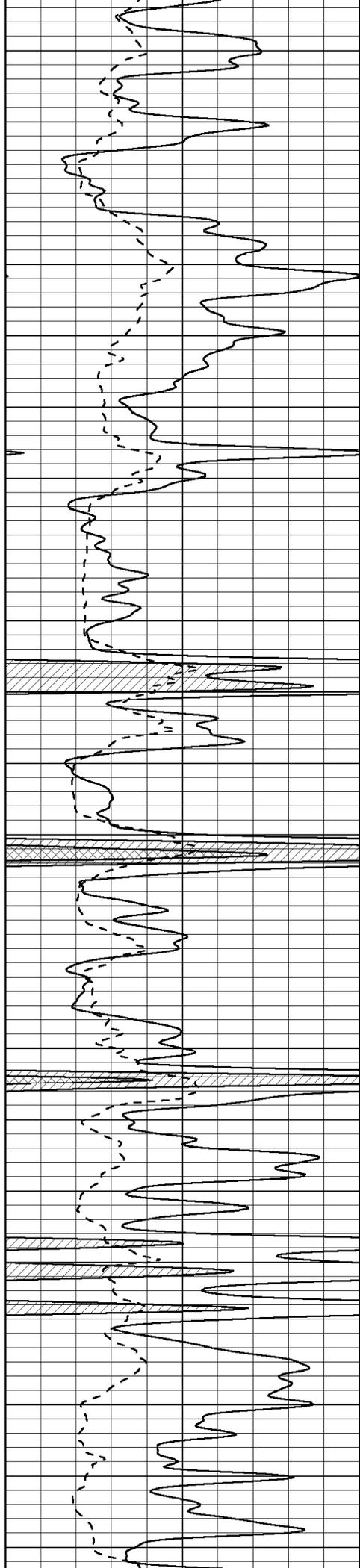
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4250

4300

4350



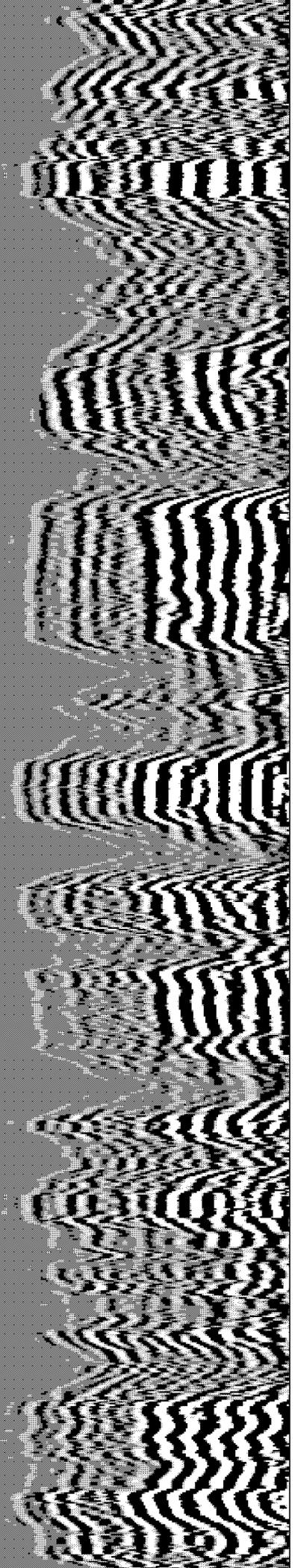
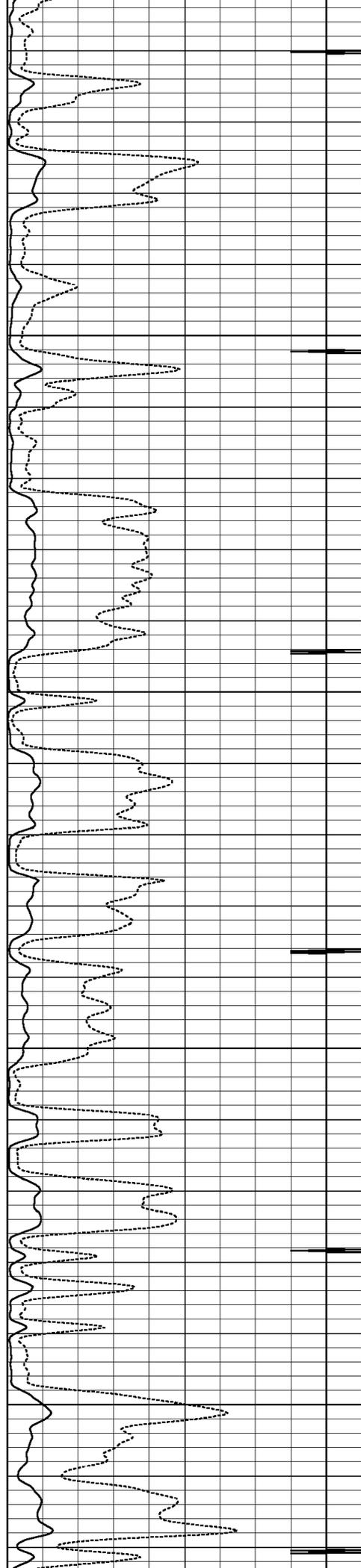


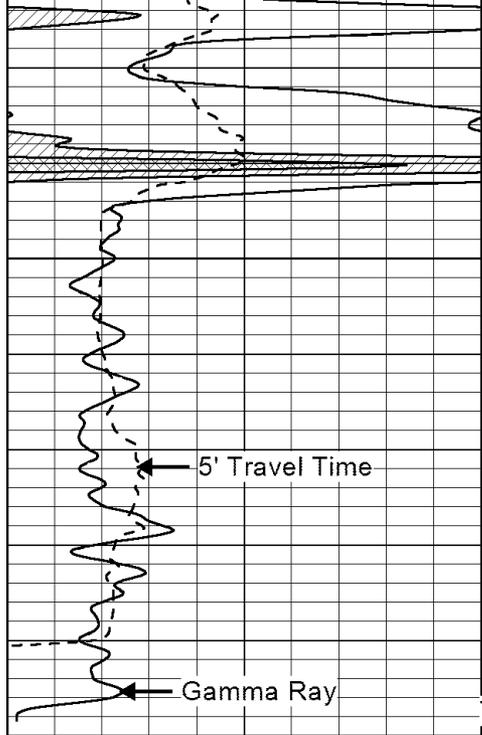
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4450

4500

4550

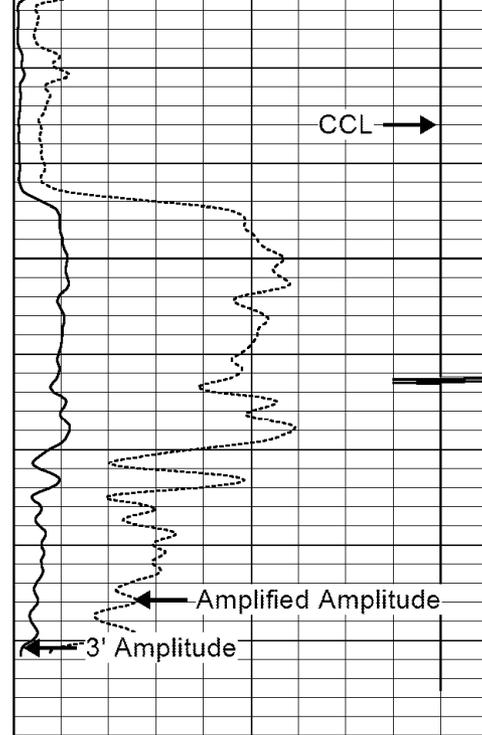




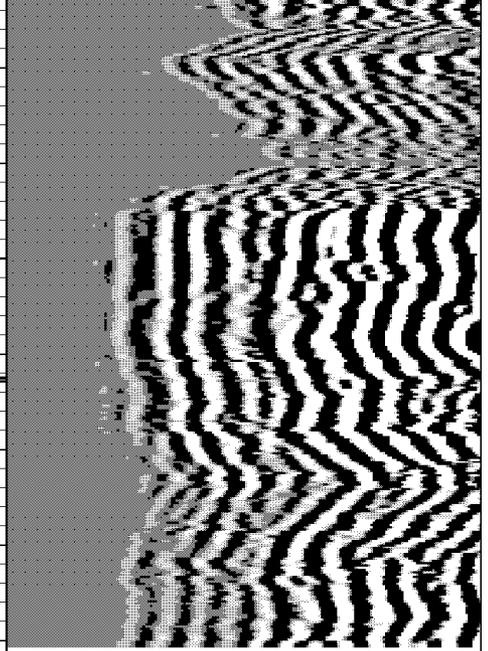
4600

TD @ 4648'  
4650

0	Gamma Ray (GAPI)	150
200	5' Travel Time (usec)	1100



0	3' Amplitude (mV)	100
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