



TRIPLE COMBO LOG

Company	CHIEFTAIN OIL COMPANY, INC.		
Well	PHYE #3		
Field	WHELEN WEST		
County	BARBER	State	KANSAS
Location:	SEC 25 TWP 31S RGE 12W		Other Services CDL/CNL DIL/MEL
Permanent Datum	GROUND LEVEL	Elevation	1586
Log Measured From	KELLY BUSHING 12' A.G.L.	K.B. 1598 D.F. 1596 G.L. 1586	
Drilling Measured From	KELLY BUSHING		
Date	6/21/18		
Run Number	ONE		
Depth Driller	4675		
Depth Logger	4675		
Bottom Logged Interval	4651		
Top Log Interval	3200		
Casing Driller	8 5/8"@396'		
Casing Logger	396		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4,000 PPM	
Density / Viscosity	9.5/66		
pH / Fluid Loss	11.0/9.6		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.600@90F		
Rmf @ Meas. Temp	.450@90F		
Rmc @ Meas. Temp	.720@90F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.443@122F		
Time Circulation Stopped	2.5 HOURS		
Time Logger on Bottom	1:15 P.M.		
Maximum Recorded Temperature	122F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	ROGER MARTIN	RYAN MOLZ	

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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

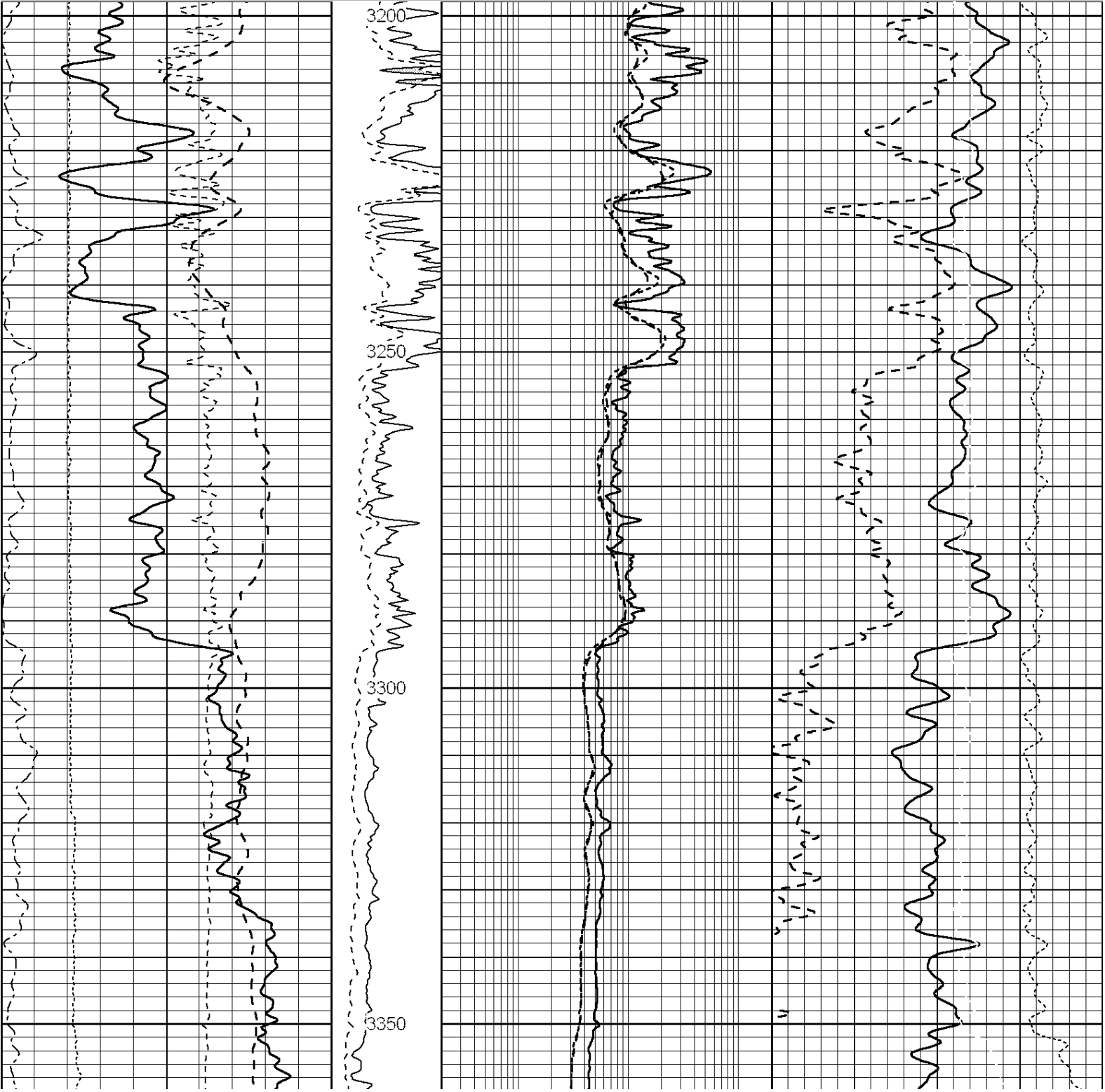
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
MEDICINE LODGE, KS., N. ON HWY 183 TO "WELL RD.", 1E. TO CURVE, 3/4S., E. INTO AT BLUE GATE

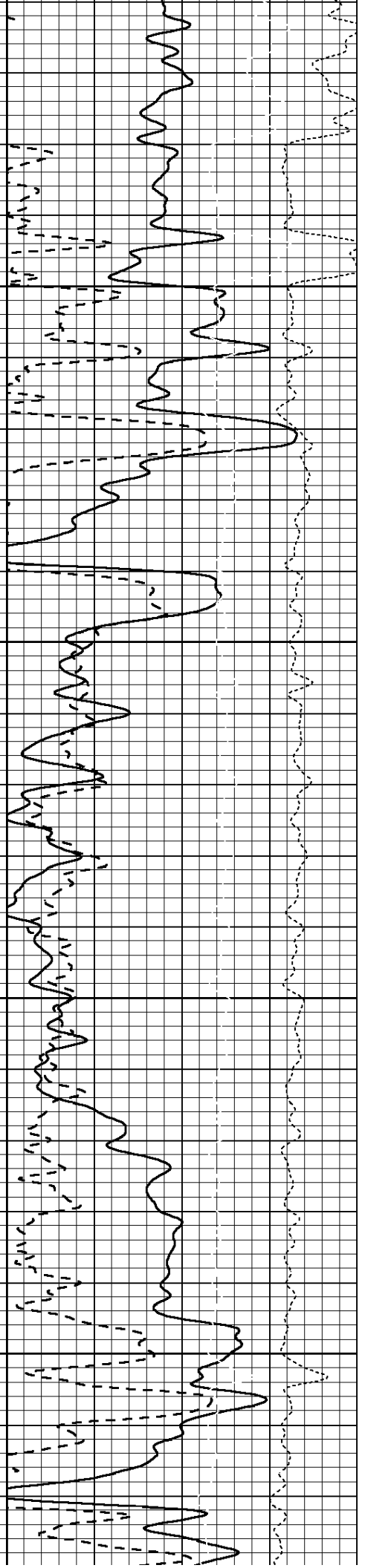
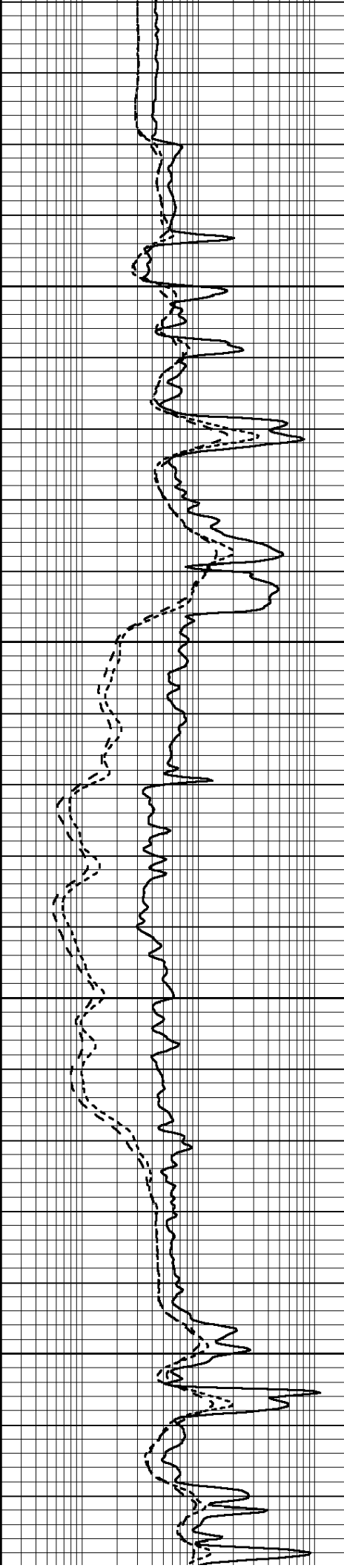
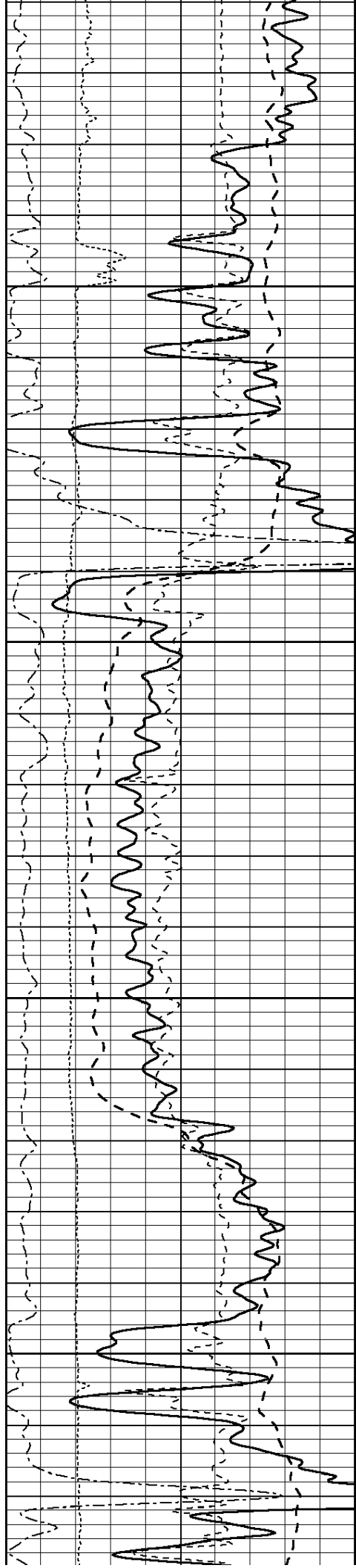


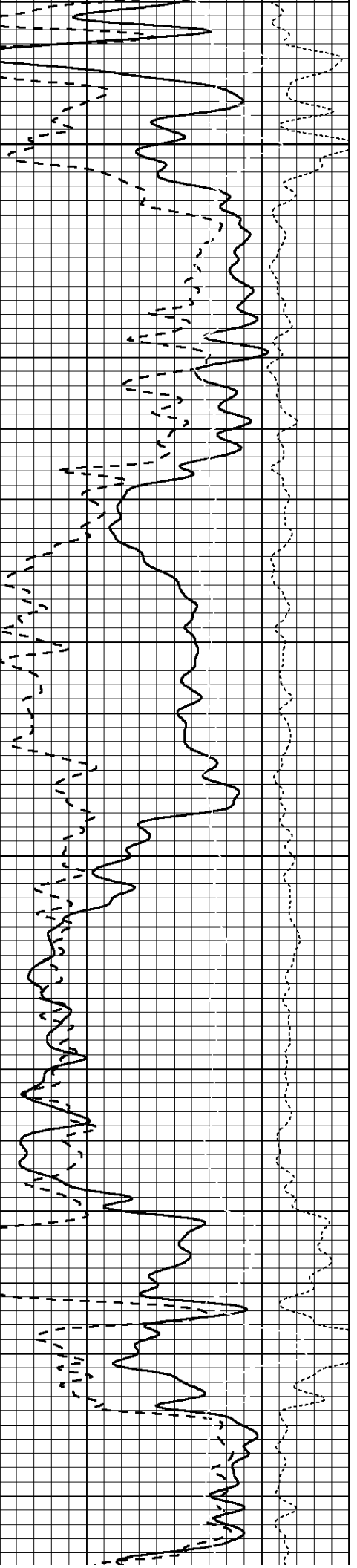
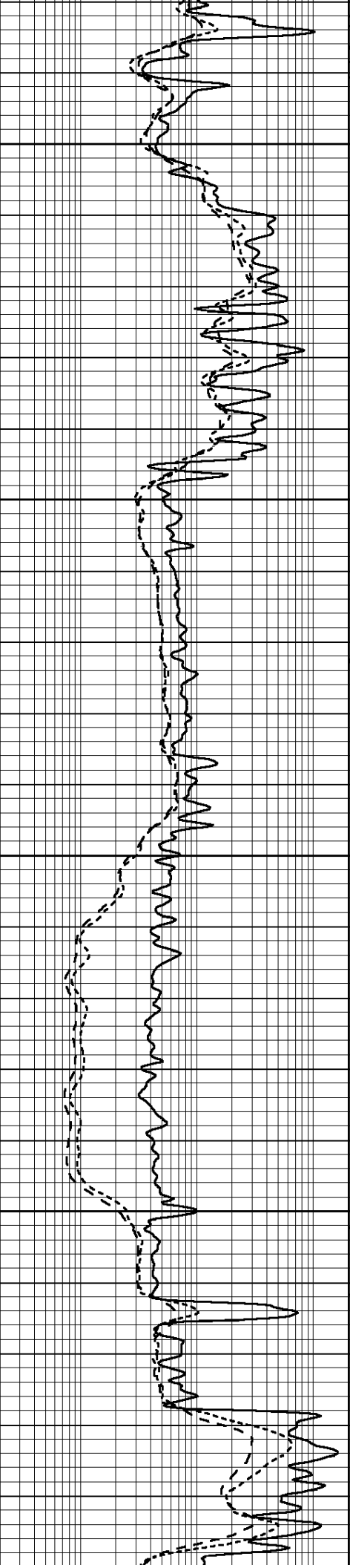
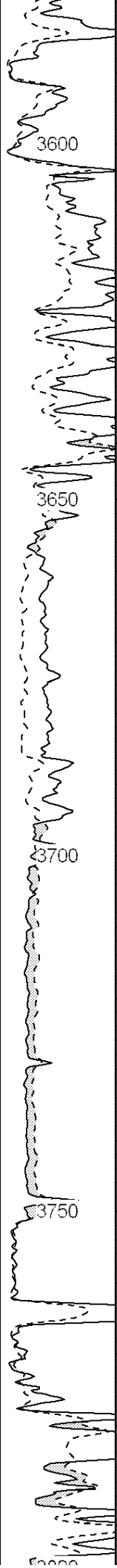
MAIN SECTION

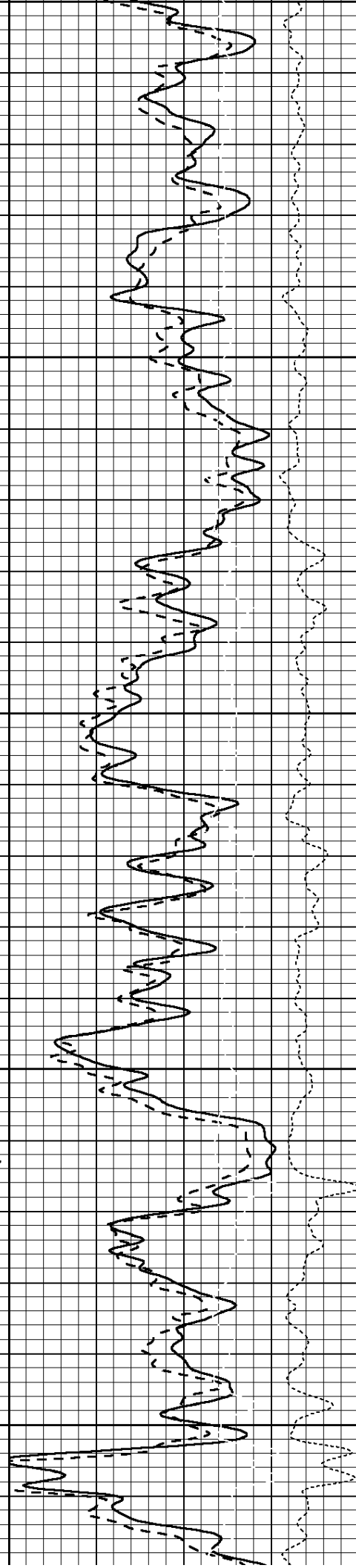
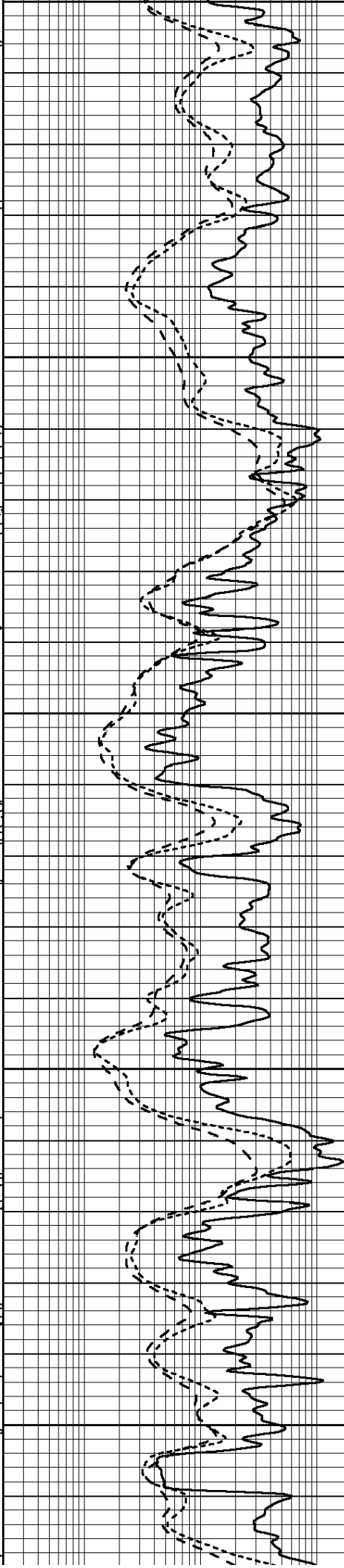
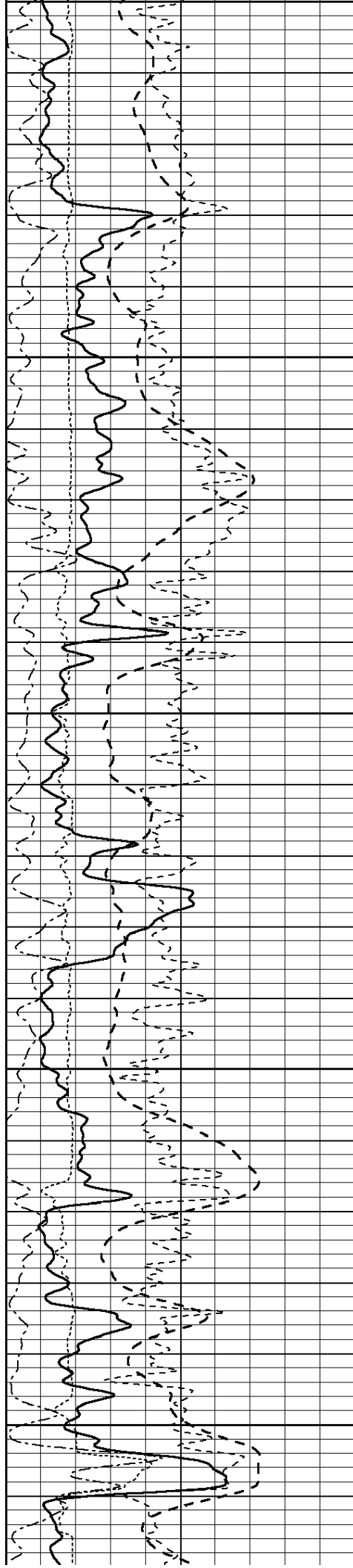
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Presentation Format: obrcomp
Dataset Creation: Thu Jun 21 16:46:33 2018
Charted by: Depth in Feet scaled 1:240

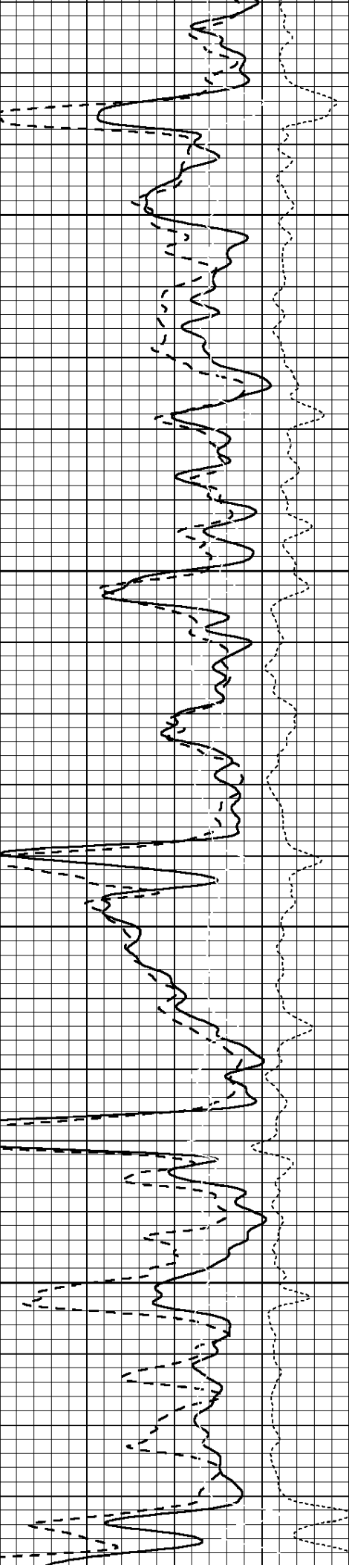
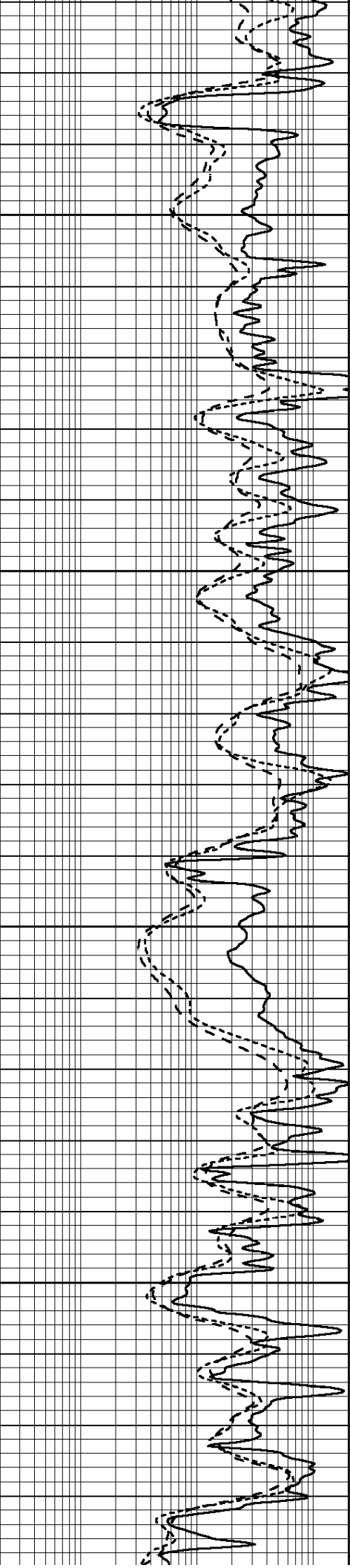
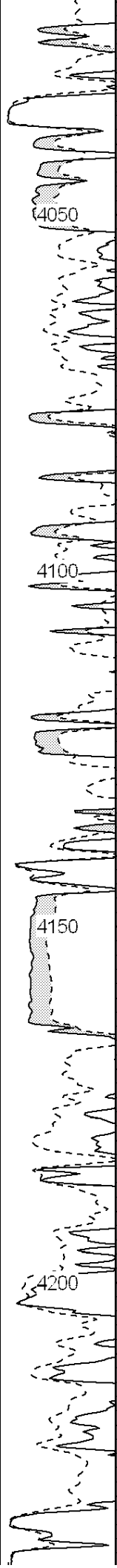
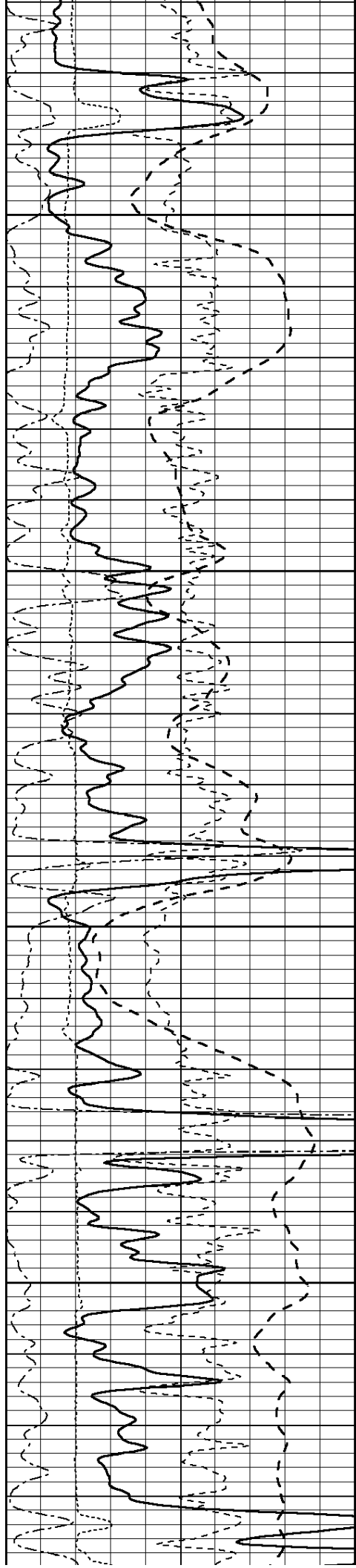
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-100	SP (mV)	100	(Ohm-m)	0.2	Medium Resistivity (Ohm-m)	200	30	Density Porosity (pu)	-10
-200	RxoRt	100	0 20	0.2	Shallow Resistivity (Ohm-m)	200		RHOC	
6	DCAL (in)	16	MEL20					-0.25 (g/cc)	0.25
6	MELCAL (Ohm-m)	16	(Ohm-m)						
0	RWA (Ohm-m)	1	0 20						

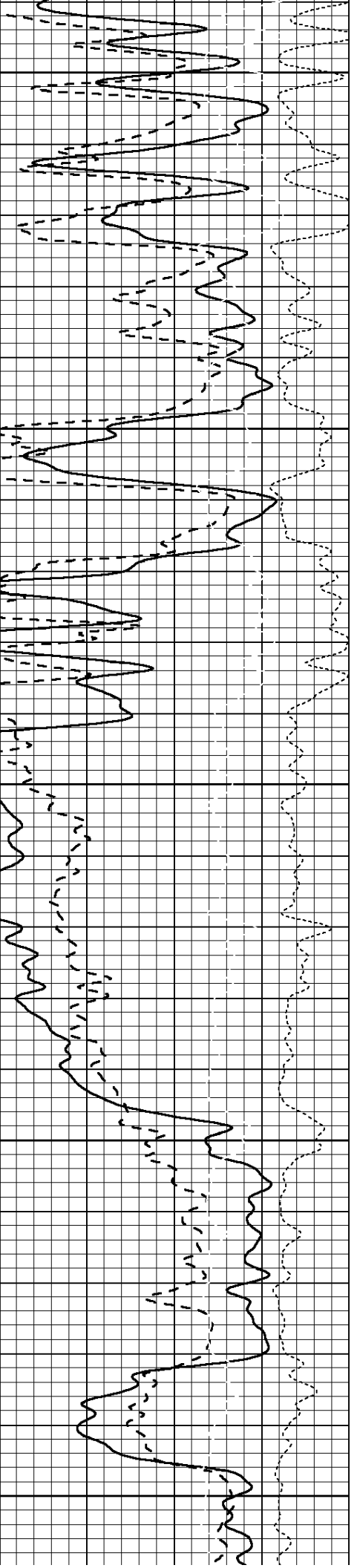
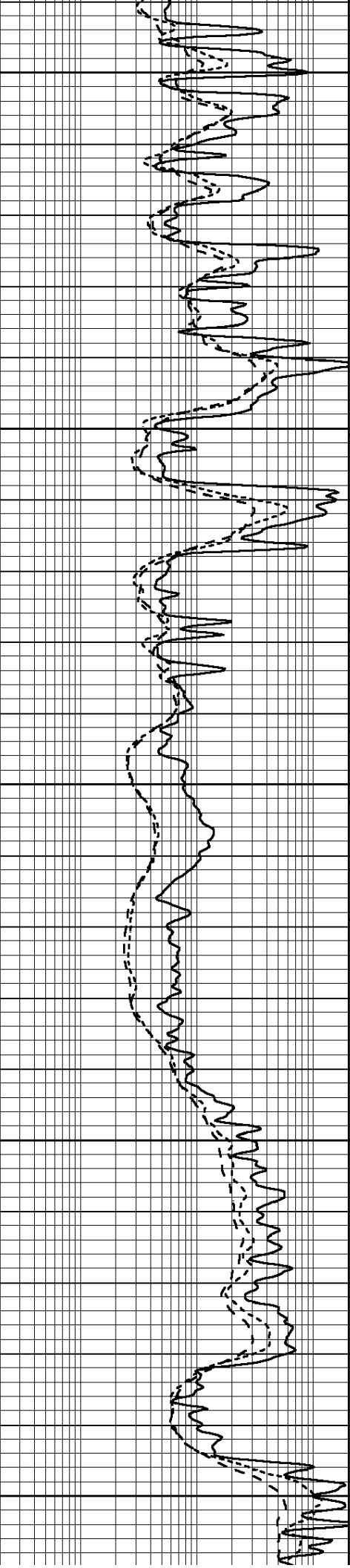
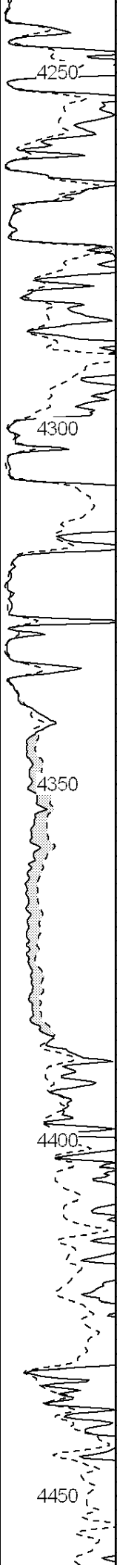
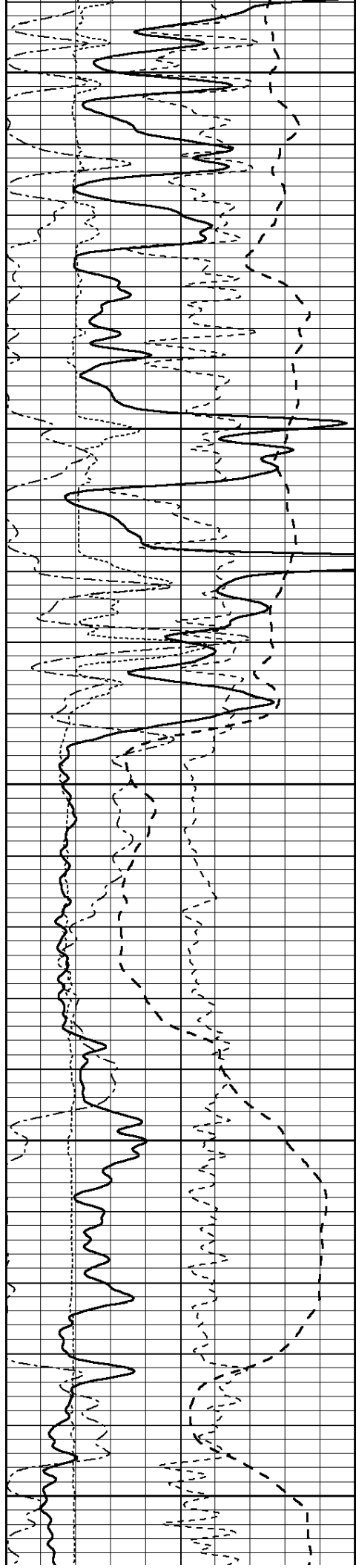












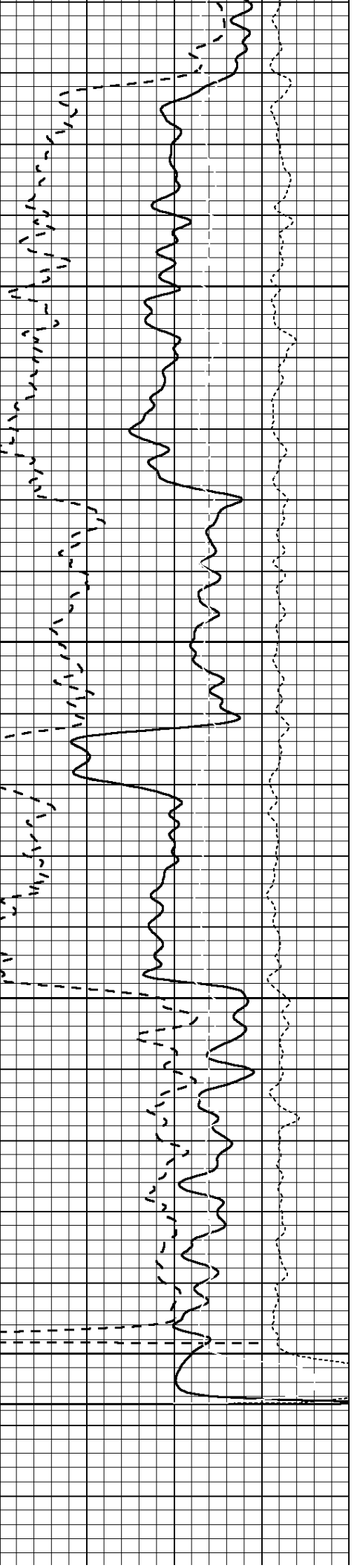
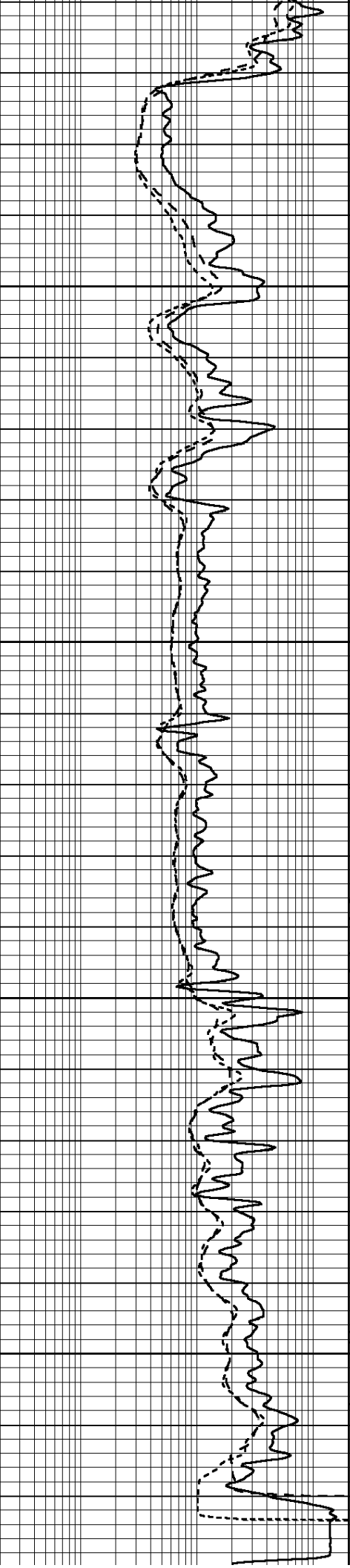
4250

4300

4350

4400

4450



0	Gamma Ray (GAPI)	150	MEL15	0.2	Deep Resistivity (Ohm-m)	200	30	CN Porosity (pu)	-10
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0	RWA (Ohm-m)	1	0	20					