



SUPERIOR
Hays,
Kansas

**TRIPLE COMBO
LOG
(TIGHT HOLE)**

Company NEW GULF OPERATING, LLC.
Well GRASSLANDS #1
Field WILDCAT
County LOGAN
State KANSAS

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Location: API #: 15-109-21031-0000
1860' FNL & 1220' FEL
SEC 8 TWP 12S RGE 32W
Permanent Datum GROUND LEVEL Elevation 3009
Log Measured From KELLY BUSHING 10' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL/PE
DIL/MEL
Elevation
K.B. 3019
D.F. 3017
G.L. 3009

Date	9/17/11
Run Number	ONE
Depth Driller	4720
Depth Logger	4724
Bottom Logged Interval	4700
Top Log Interval	3500
Casing Driller	8 5/8"@267'
Casing Logger	265
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.3/56
pH / Fluid Loss	9.5/8.8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.700@84F
Rmt @ Meas. Temp	.525@84F
Rmc @ Meas. Temp	.840@84F
Source of Rmf / Rmc	MEASUREMENT
Rm @ BHT	.478@123F
Time Circulation Stopped	2.5 HOURS
Time Logger on Bottom	9:00 A.M.
Maximum Recorded Temperature	123F
Equipment Number	4010
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	CURTIS COVEY
	JIM HENKLE

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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 SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS
OAKLEY, KS. (JUNCTION OF OLD 40 & HWY 83) 5S. ON HWY 83 TO "ZEST RD.", 2W., 1S. ON FIELD RD.
TO GATE., 1/2 S.W. INTO

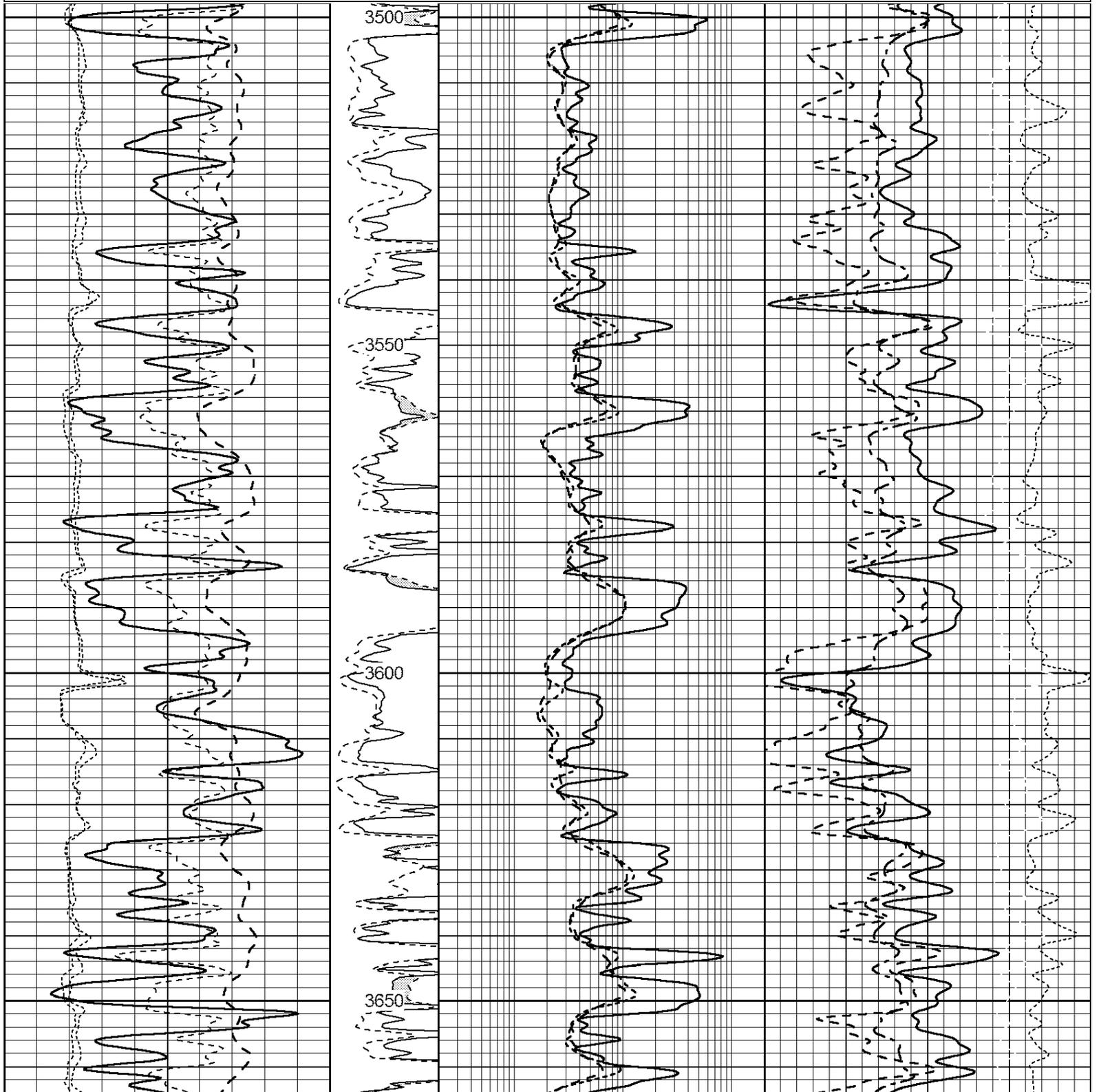


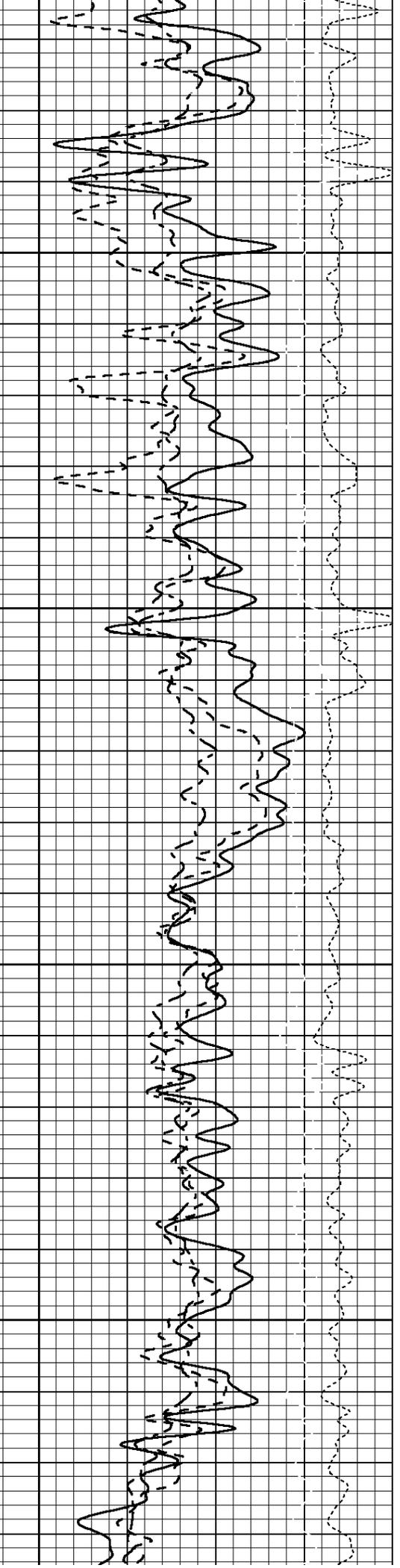
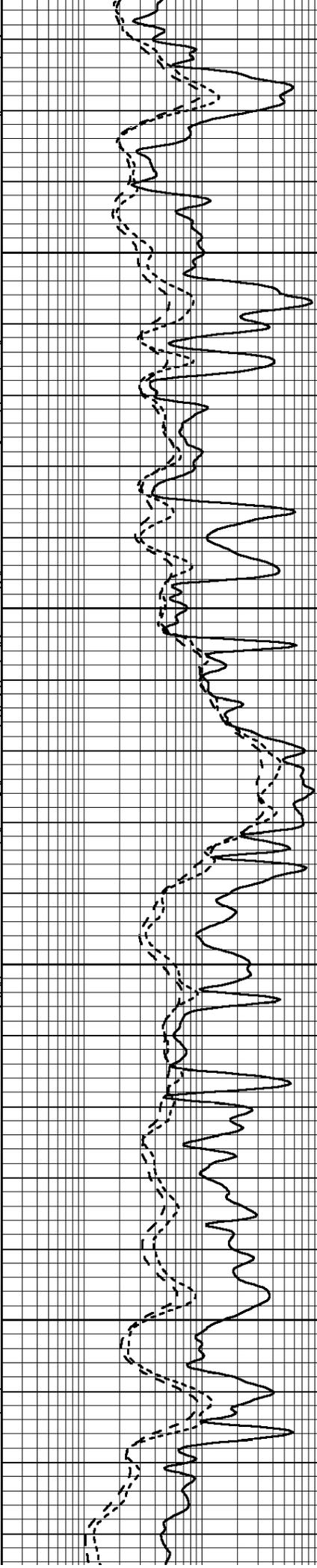
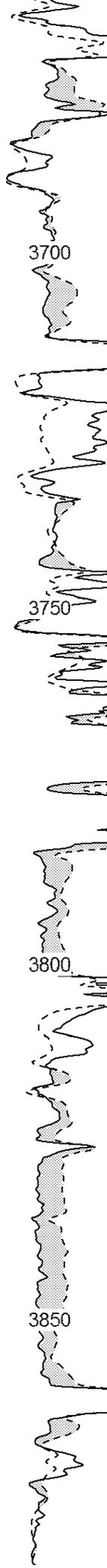
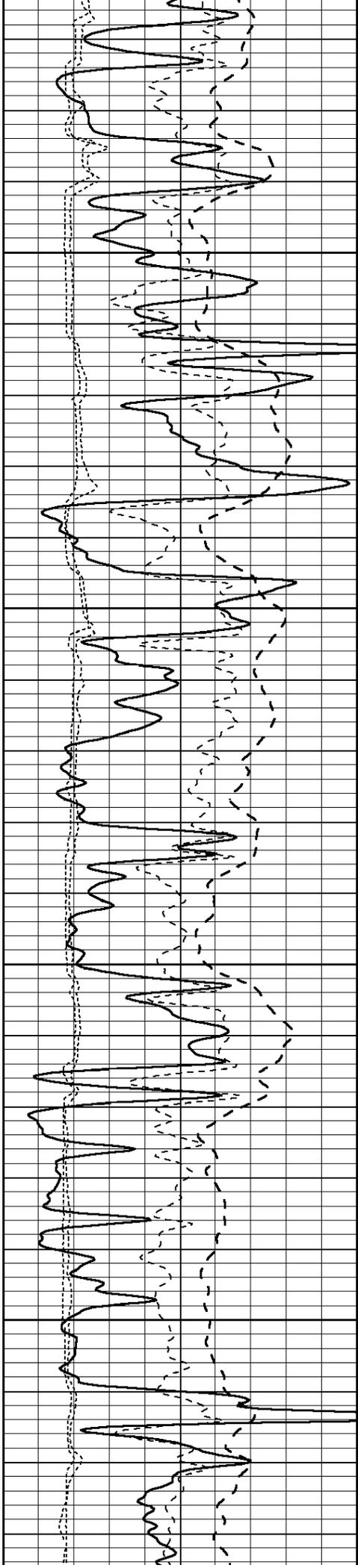
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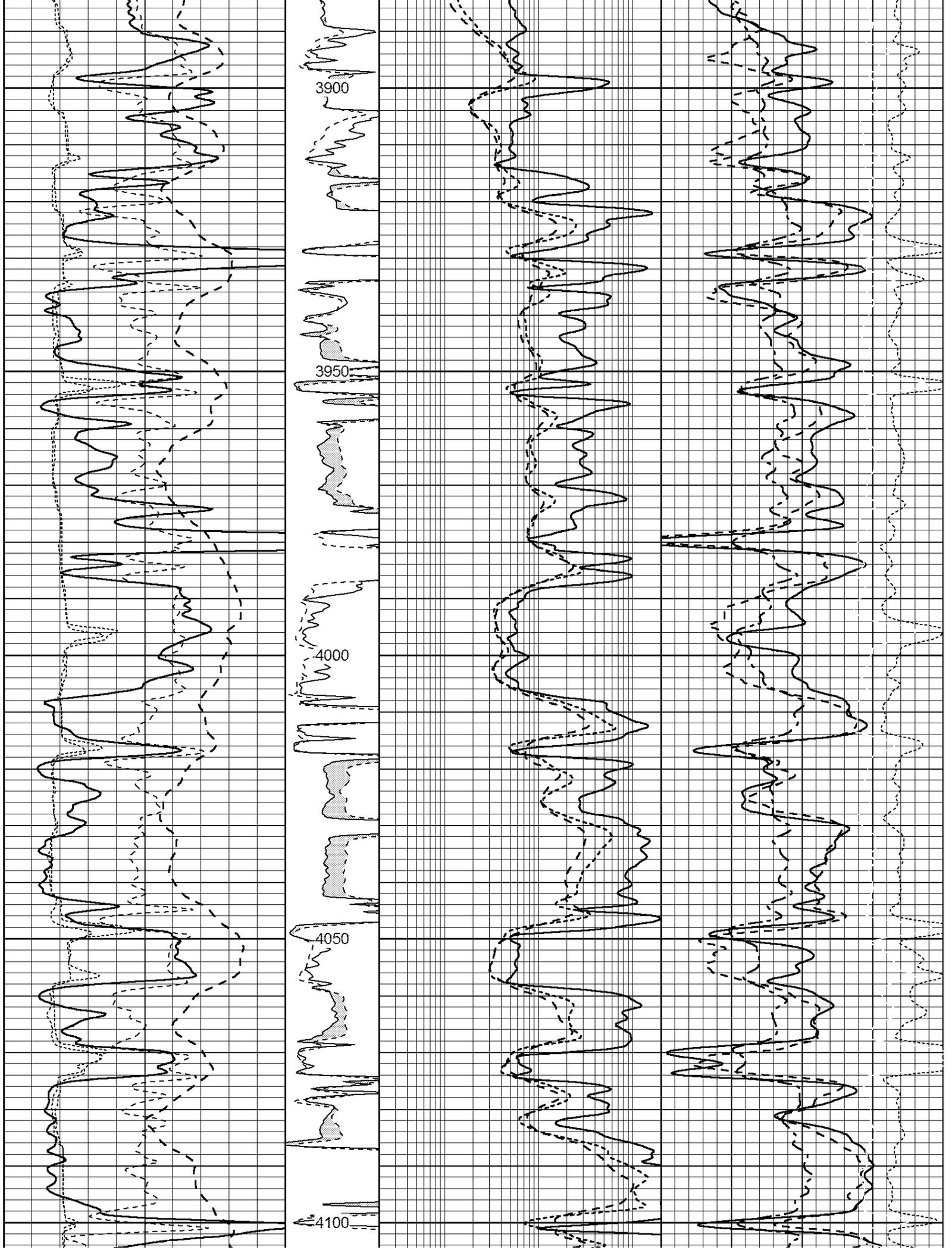
MAIN SECTION

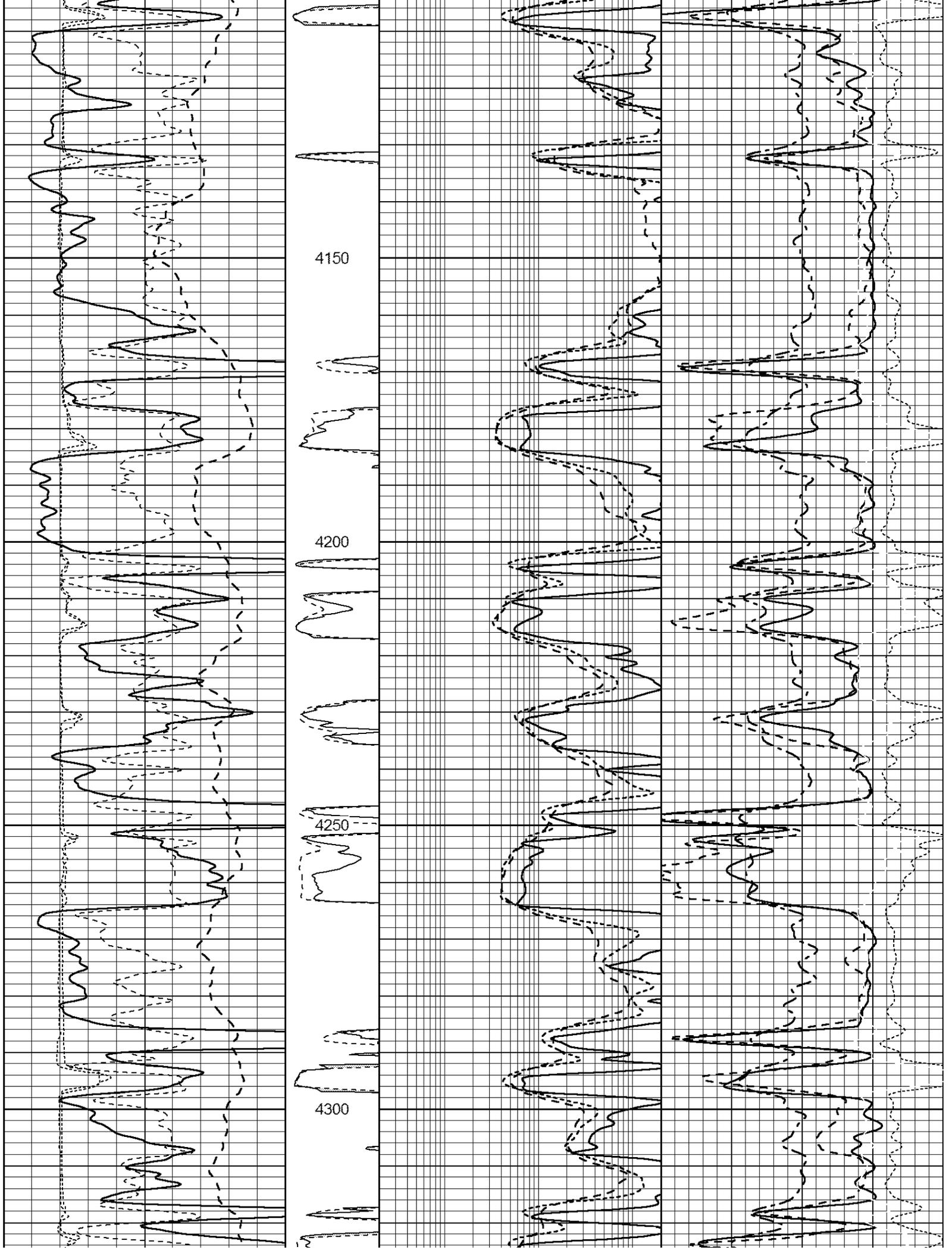
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 Charted by: Depth in Feet scaled 1:240

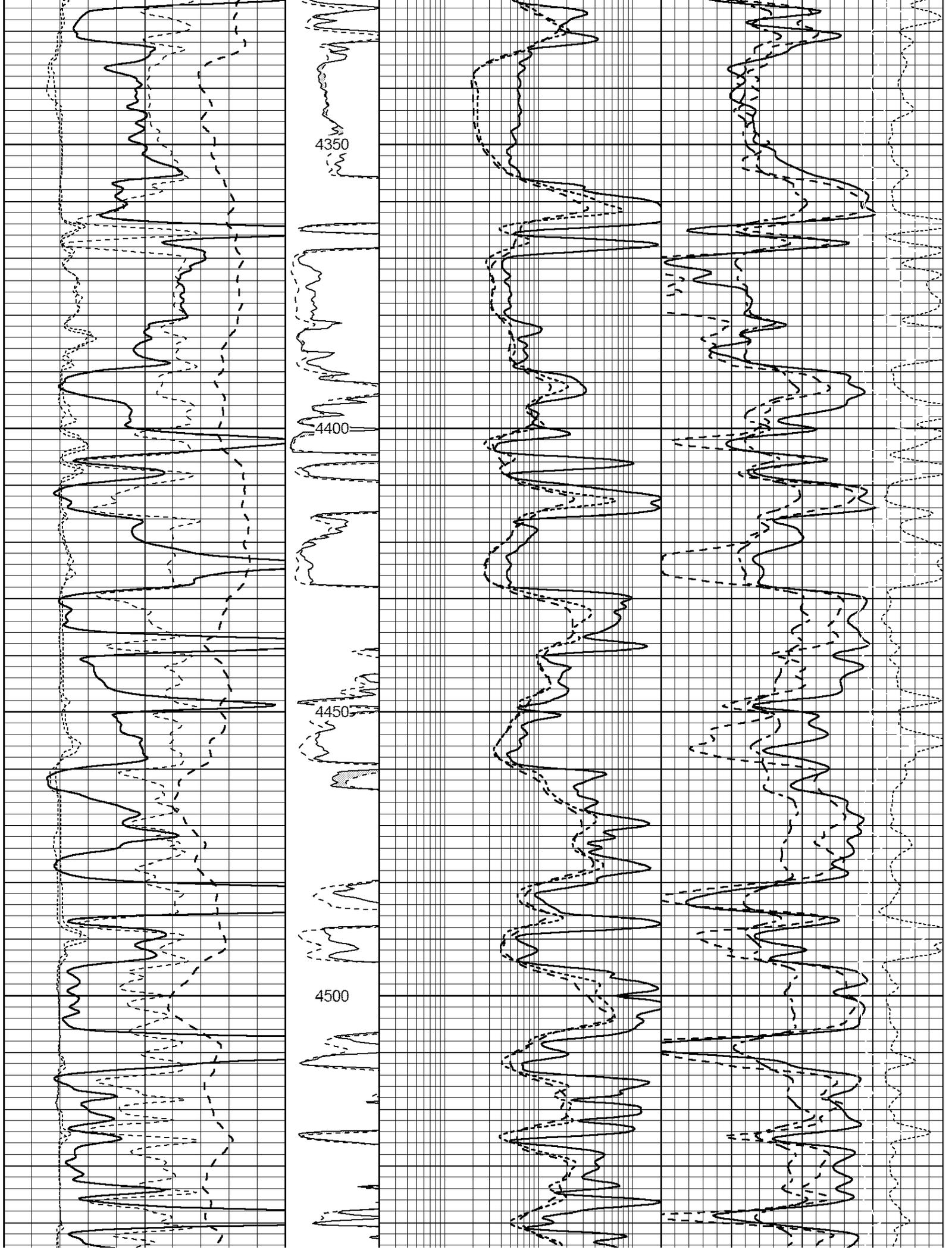
0	Gamma Ray (GAPI)	150	MEL15	0.2	Deep Resistivity (Ohm-m)	200	30	CN Porosity (pu)	-10
-100	SP (mV)	100	(Ohm-m)	0.2	Medium Resistivity (Ohm-m)	200	30	Density Porosity (pu)	-10
-200	RxoRt	100	0 20	0.2	Shallow Resistivity (Ohm-m)	200	0	PE	10
6	DCAL (in)	16	MEL20					RHOC	
6	MELCAL (in)	16	(Ohm-m)					-0.25 (g/cc)	0.25
			0 20						

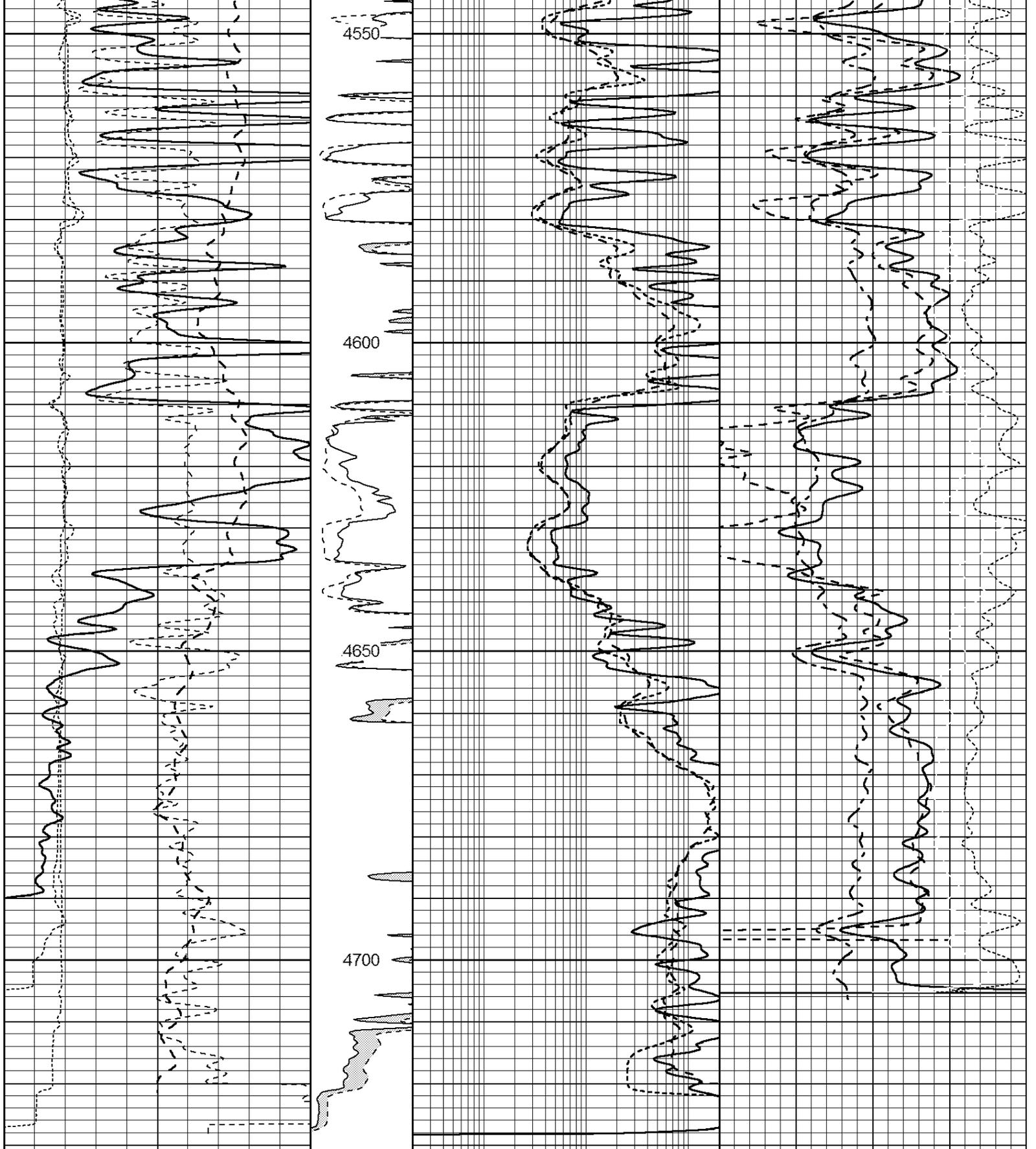












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