

COMPENSATED DENSITY/NEUTRON LOG

Company L.D. DRILLING, INC.

Well EUGENE #2-4

Field OLMITZ WEST

County BARTON State KANSAS

Location: API #: 15-009-26198-0000

3055' FSL & 2310' FEL

SEC 4 TWP 18S RGE 15W

Permanent Datum GROUND LEVEL Elevation 1981
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 1986
D.F. 1984
G.L. 1981

Date 3/25/18

Run Number ONE

Depth Driller 3670

Depth Logger 3671

Bottom Logged Interval 3647

Top Log Interval 2900

Casing Driller 8 5/8" @ 1008

Casing Logger 1008

Bit Size 7 7/8

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.1/68

pH / Fluid Loss 9.0/12.2

Source of Sample FLOWLINE

Rm @ Meas. Temp .51 @ 86F

Rmf @ Meas. Temp .38 @ 86F

Rmc @ Meas. Temp .61 @ 86F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .38 @ 113F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom 1111

Maximum Recorded Temperature 113F

Equipment Number 3802

Location HAYS, KANSAS

Recorded By GUS PFANENSTIEL

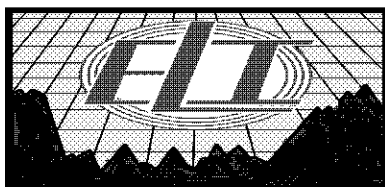
Witnessed By KIM SHOEMAKER

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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 SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
HWY 4, 2 MILES WEST OF OLMITZ,
1.5 SOUTH, WEST INTO.



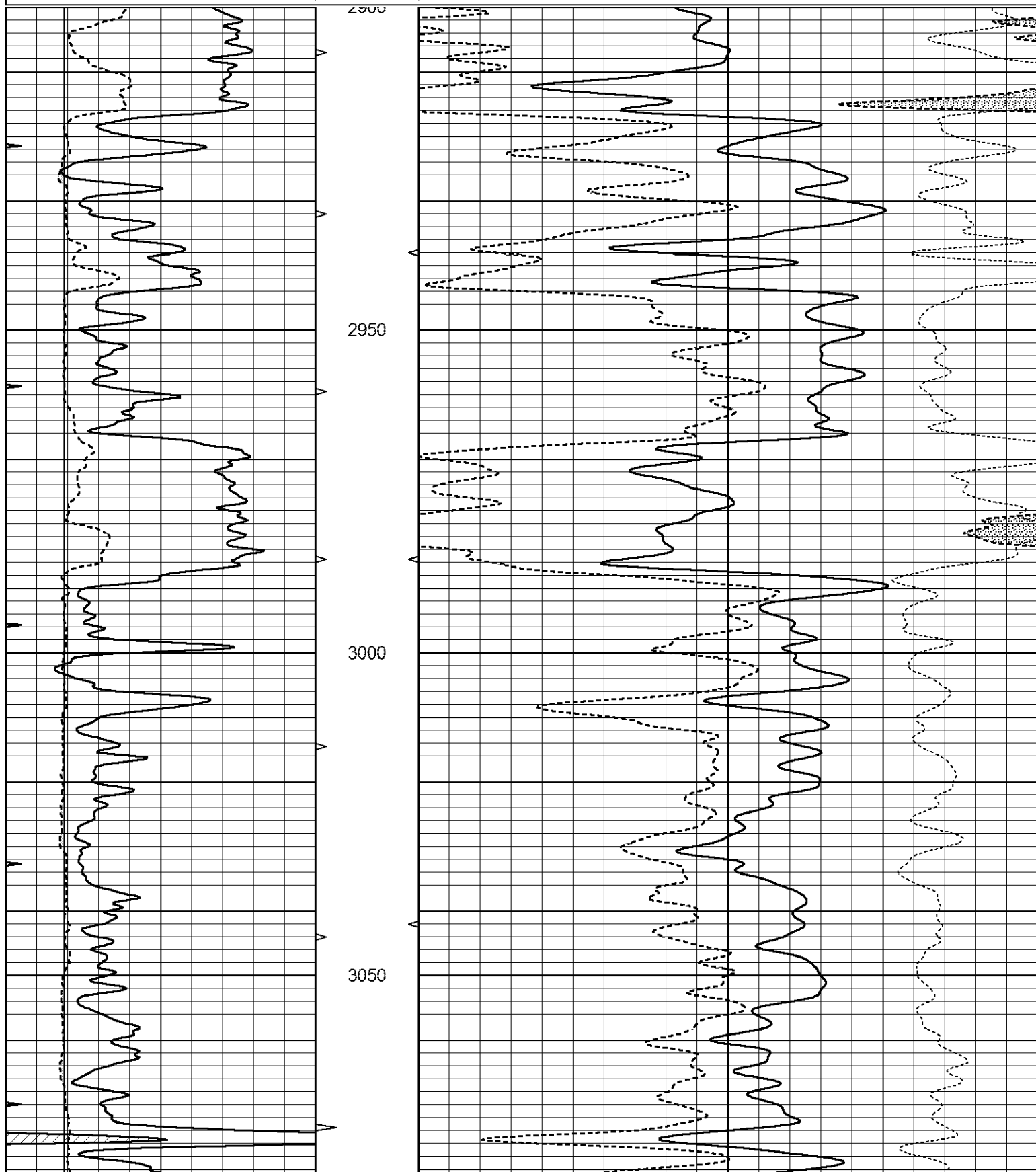
MAIN PASS

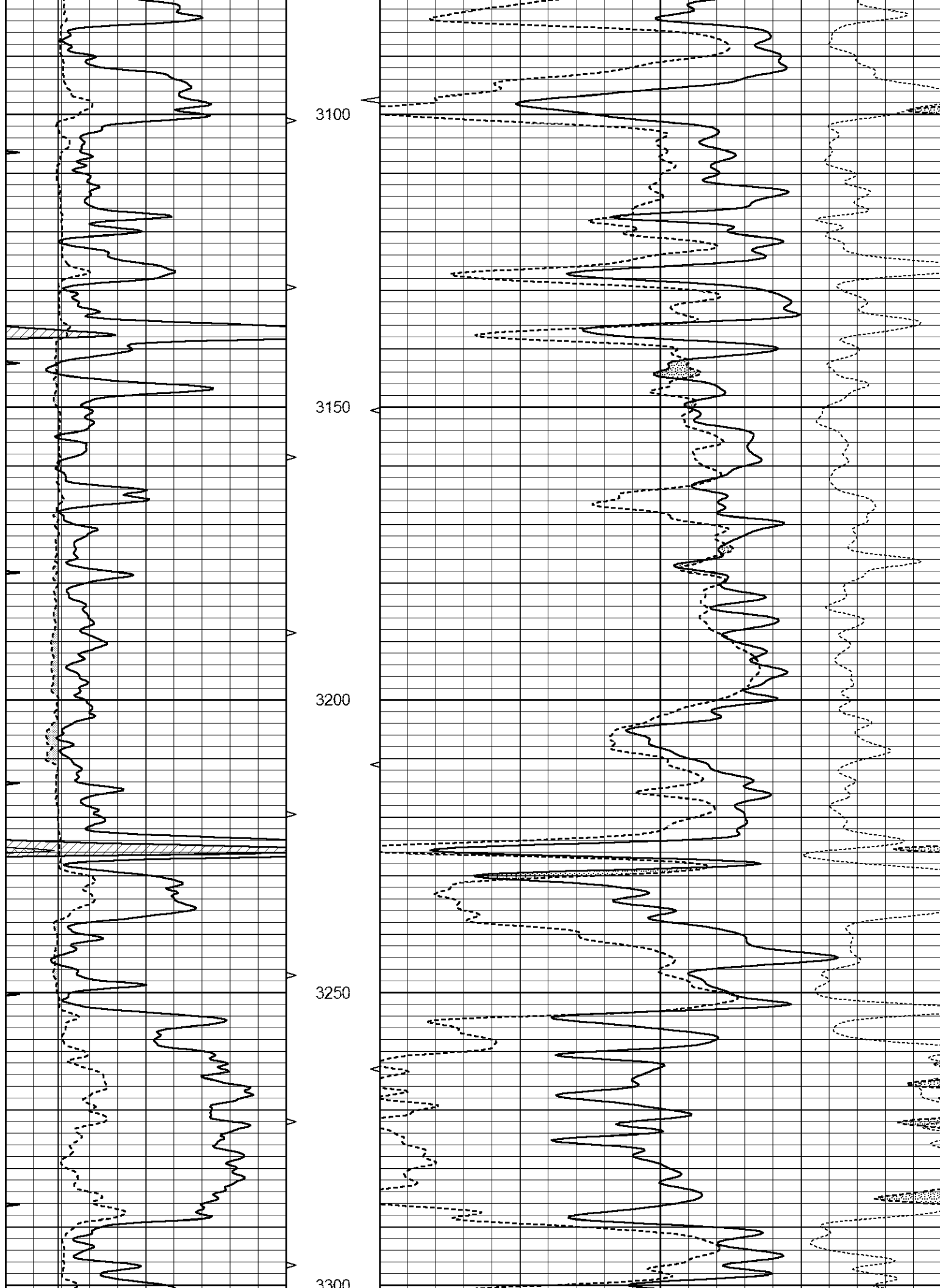
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Presentation Format	_den_neu
Dataset Creation	Sun Mar 25 15:40:20 2018
Charted by	Depth in Feet scaled 1:240

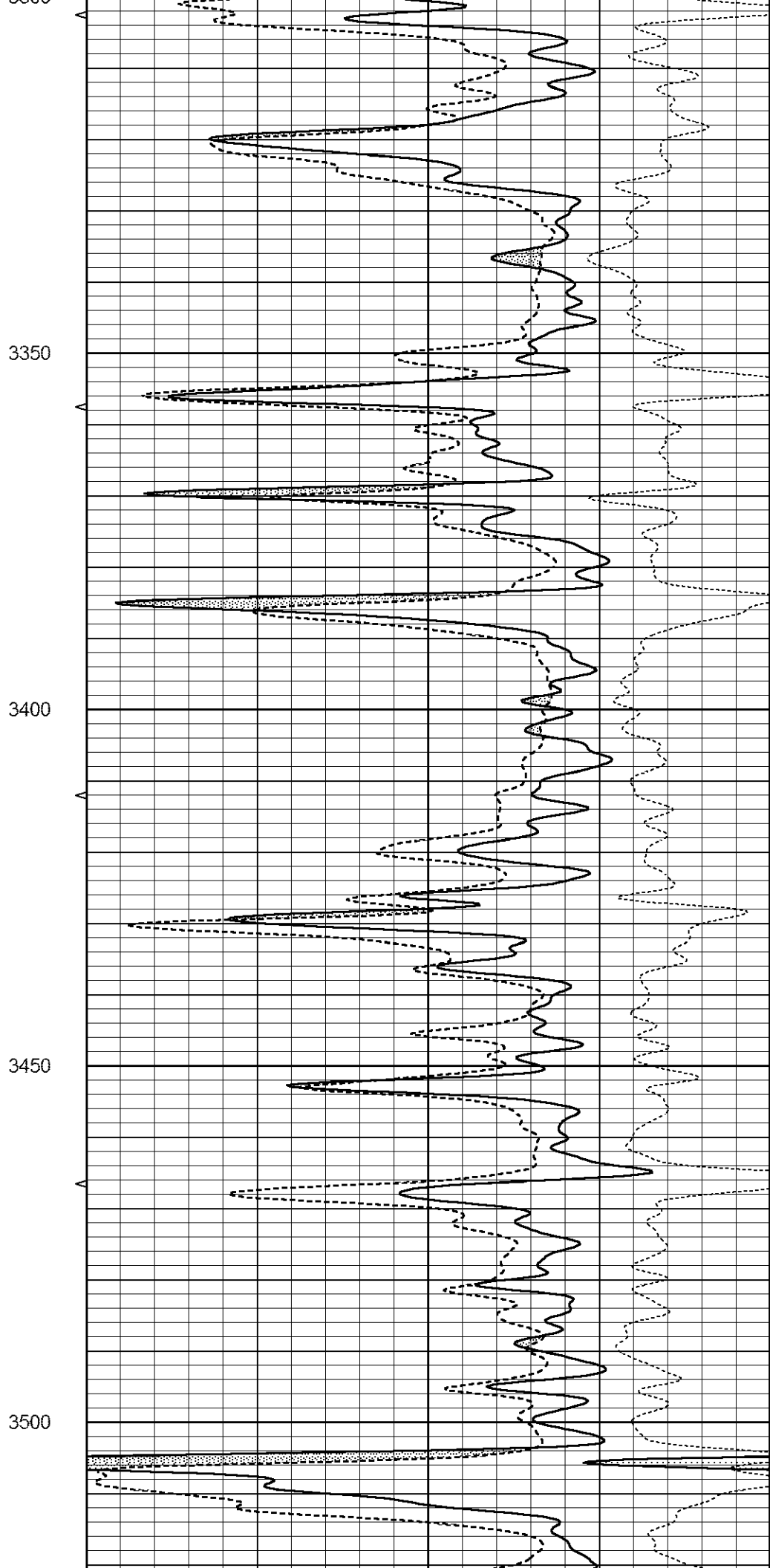
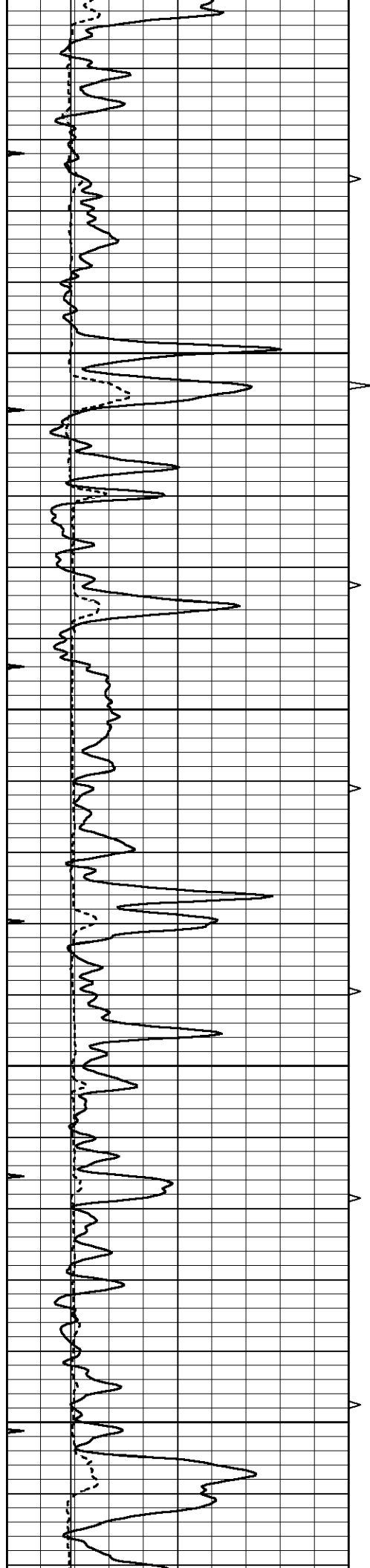
0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)			-10	
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)			-10

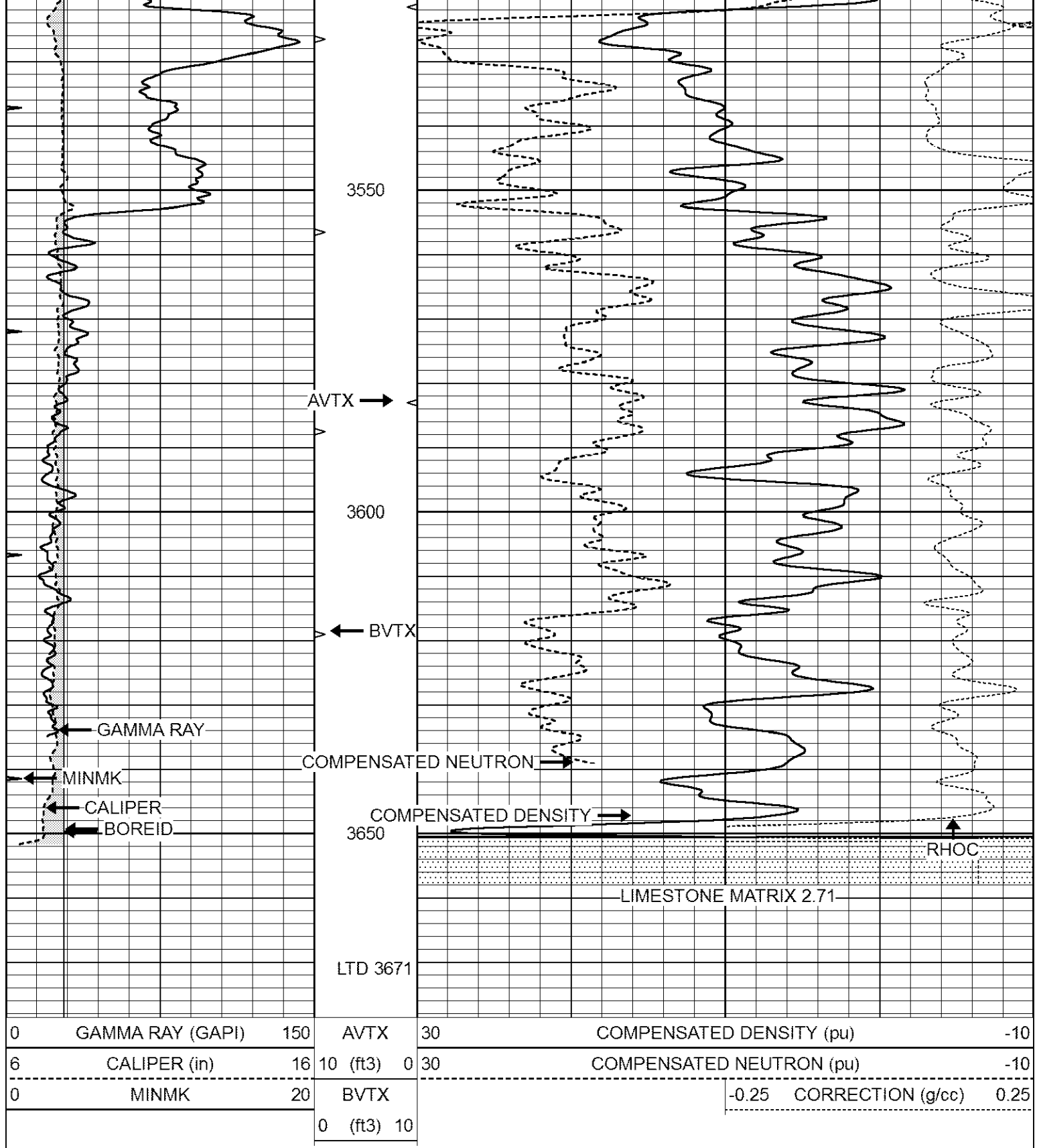
0	MINMK	20	BVTX				-0.25	CORRECTION (g/cc)	0.25

			0 (ft3)	10					



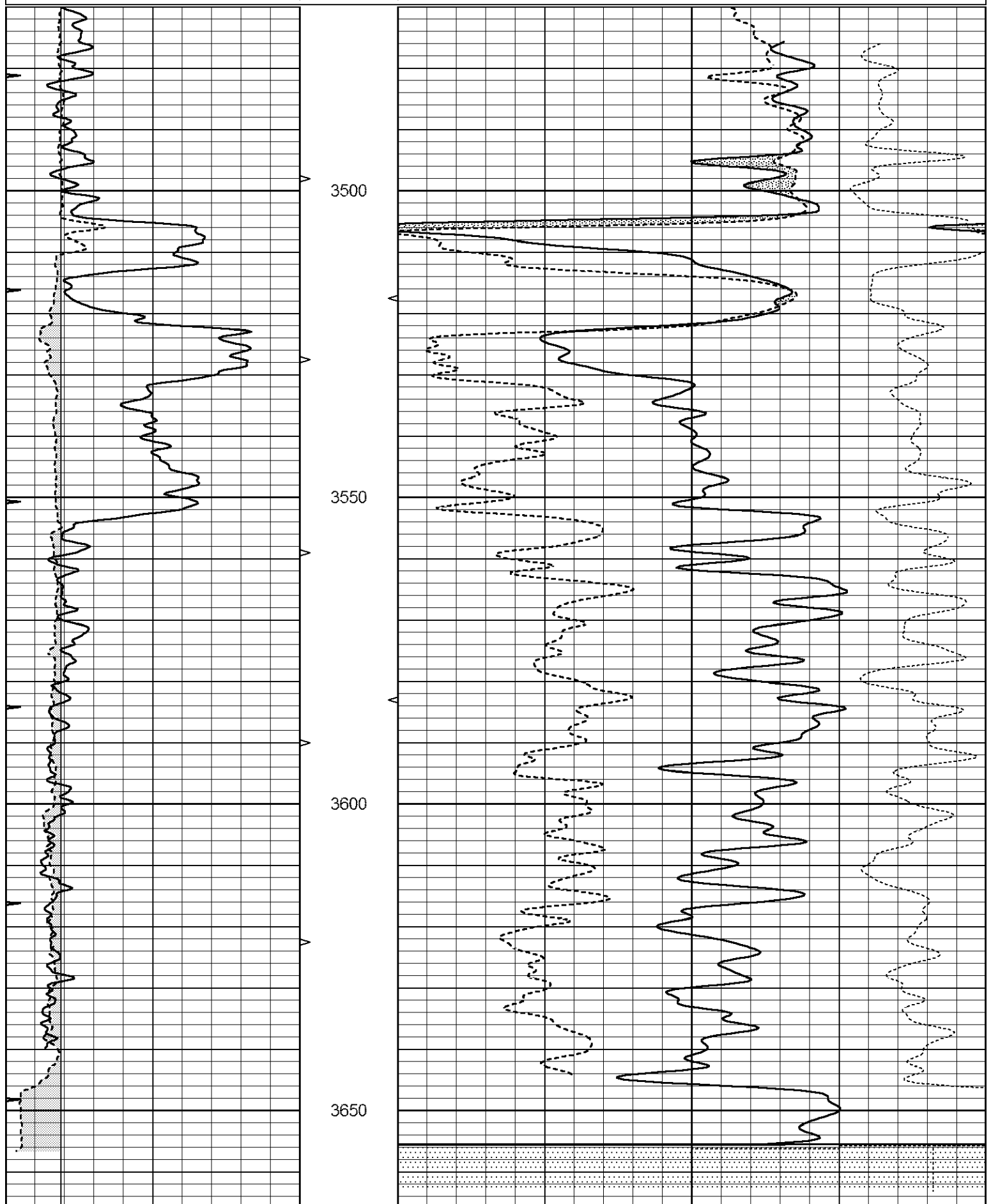






REPEAT SECTION

Charted by		Depth in Feet scaled 1:240			
0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu) -10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu) -10
0	MINMK	20	BVTX		-0.25 CORRECTION (g/cc) 0.25
			0 (ft3) 10		



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