



COMPENSATED DENSITY/NEUTRON LOG

Company	MERIDIAN ENERGY INC.		
Well	FOSTER #1		
Field	N/A		
County	GRAHAM	State	KANSAS
Location:	AP1 # : 15-065-24173-0000 SW/NW/SE/NW 1830' FNL & 1530' FWL		Other Services DIL/MEL
Permanent Datum	SEC 7	TWP 9S	RGE 21W
Log Measured From	GROUND LEVEL Elevation 2265		
Drilling Measured From	KELLY BUSHING 10' A.G.L. KELLY BUSHING Elevation K.B. 2275 D.F. 2273 G.L. 2265		
Date	10/02/19		
Run Number	ONE		
Depth Driller	3907		
Depth Logger	3906		
Bottom Logged Interval	3886		
Top Log Interval	3000		
Casing Driller	8 5/8" @ 223		
Casing Logger	223		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.3/56		
pH / Fluid Loss	9.8/7.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.1 @ 65F		
Rmt @ Meas. Temp	.83 @ 65F		
Rmc @ Meas. Temp	1.32 @ 65F		
Source of Rmt / Rmc	MEASURED		
Rm @ BHT	.62 @ 115F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	///		
Maximum Recorded Temperature	115F		
Equipment Number	1523		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	MAXWELL LaFon		

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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, KS. (785) 628-6395

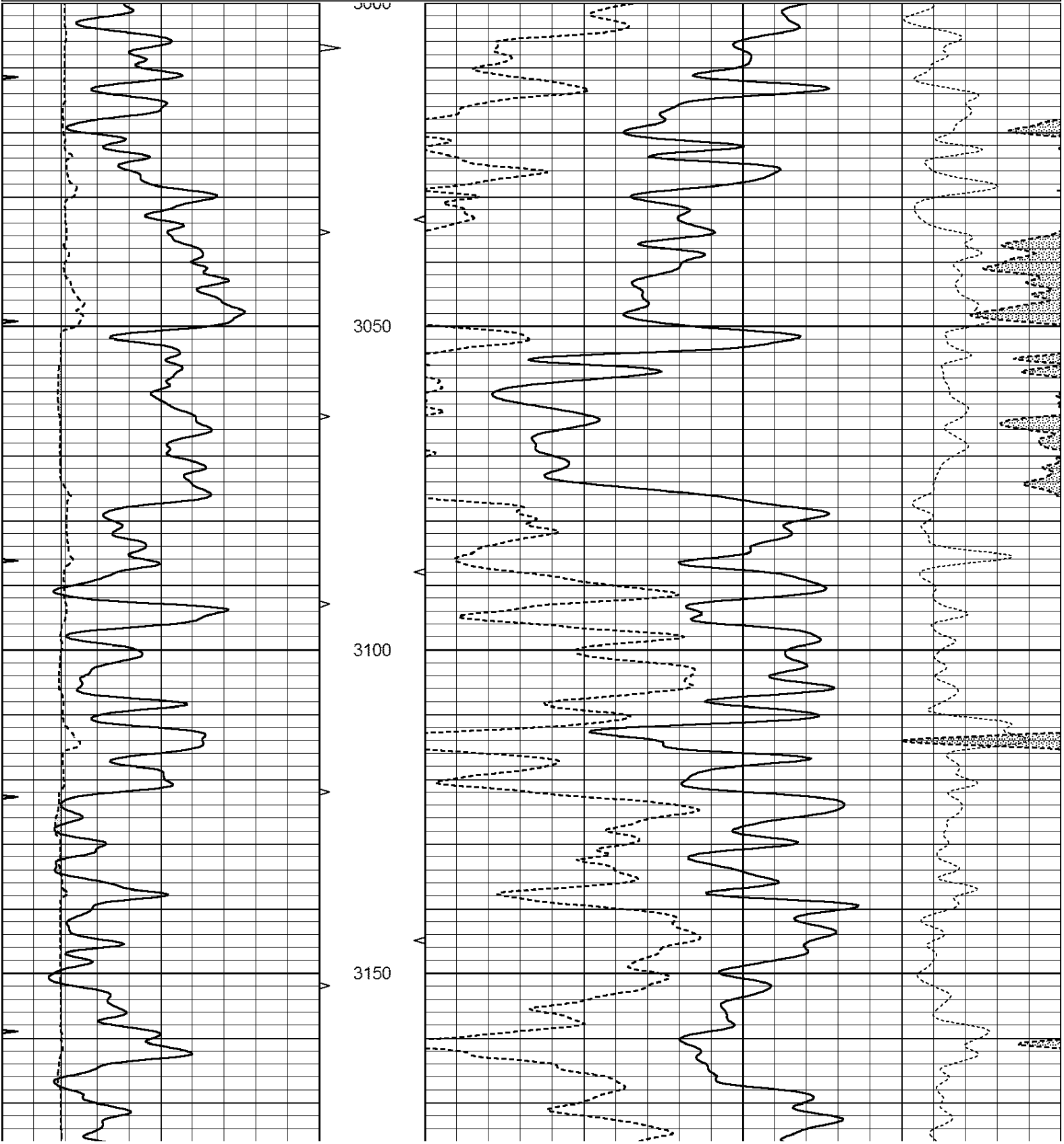
DIRECTIONS

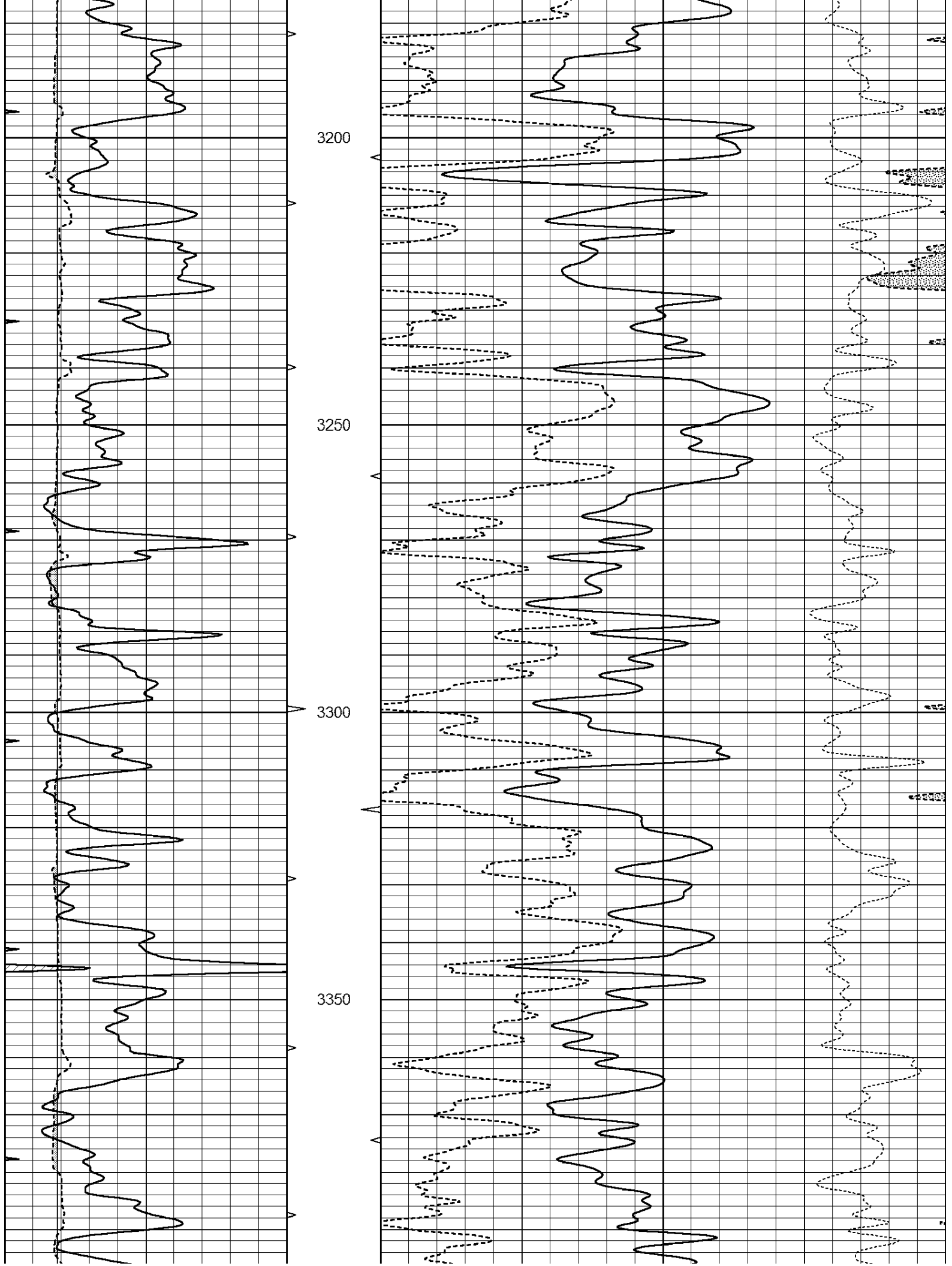


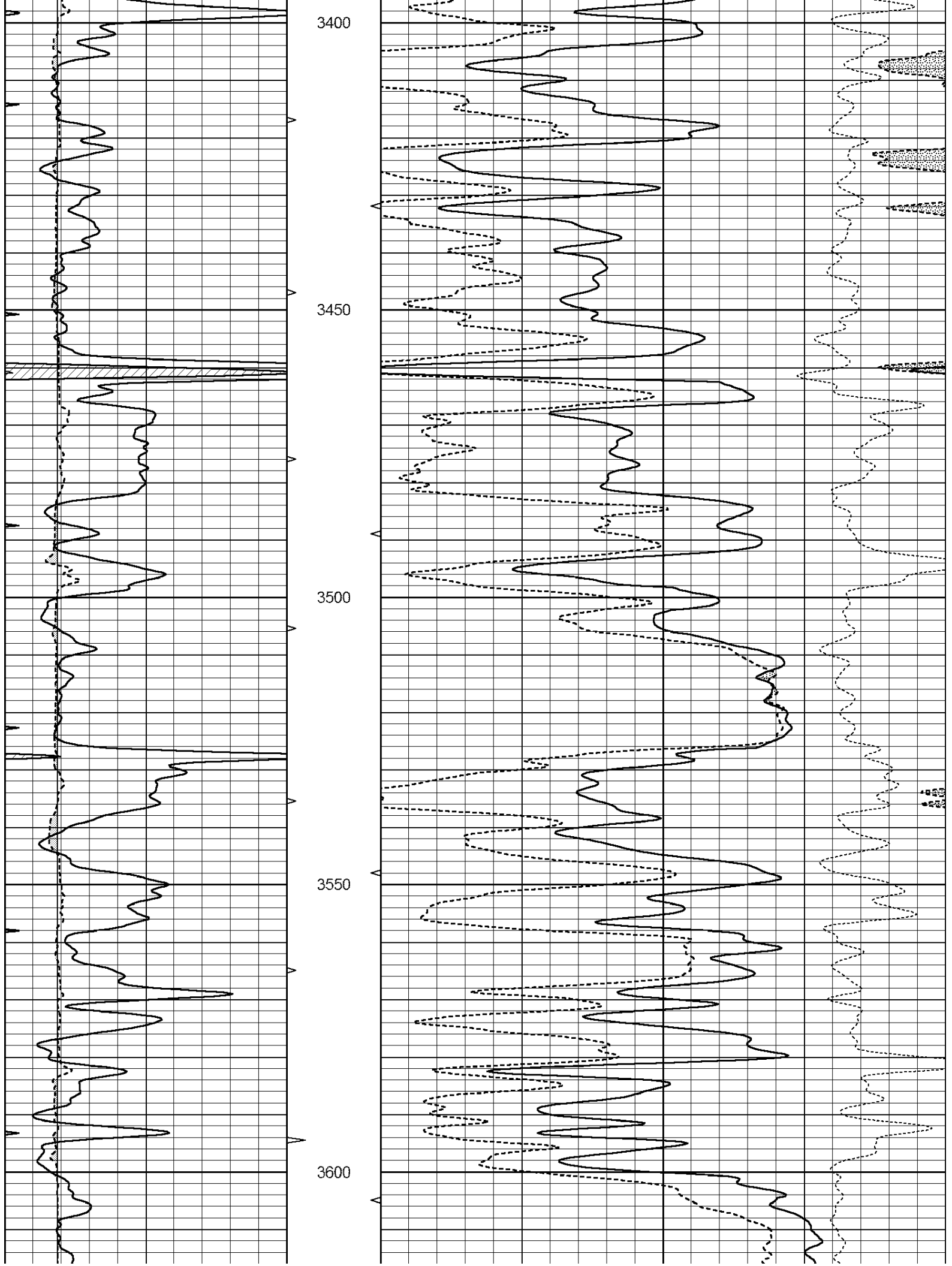
MAIN PASS

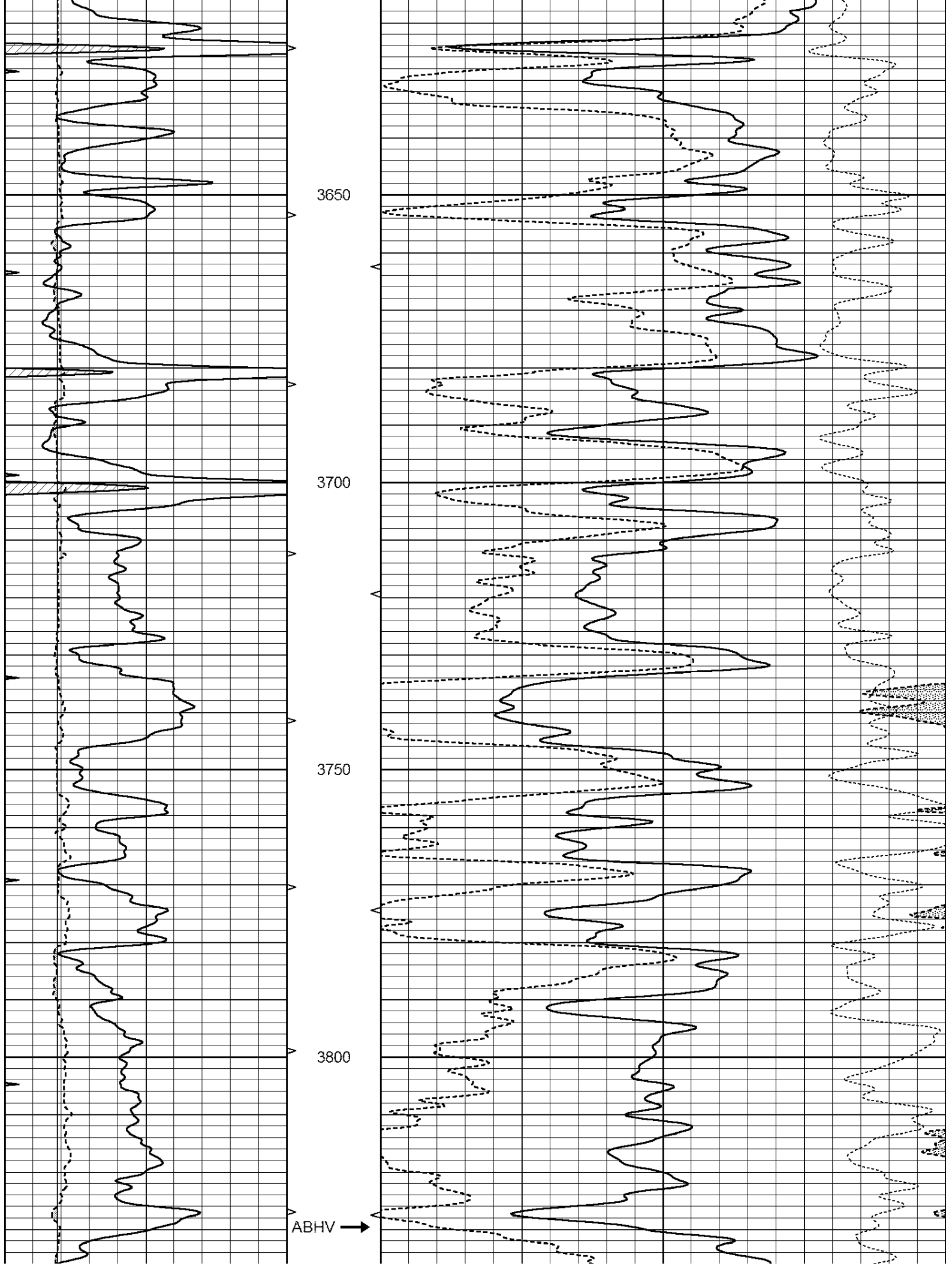
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Presentation Format: den_neu
Dataset Creation: Wed Oct 02 14:27:57 2019
Charted by: Depth in Feet scaled 1:240

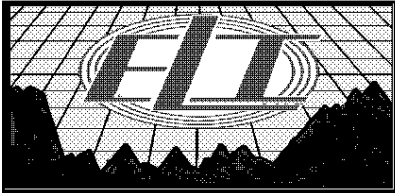
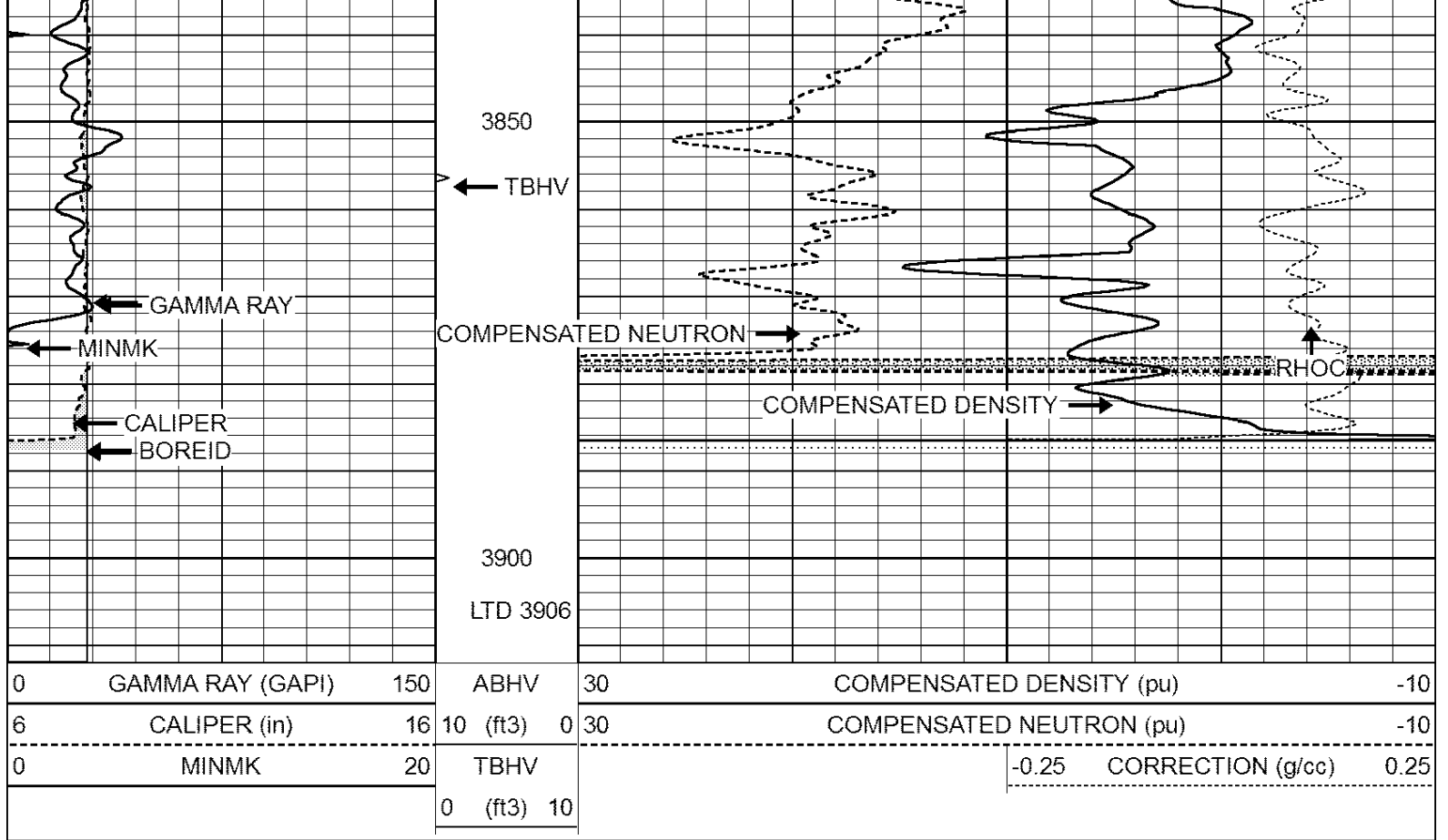
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10		









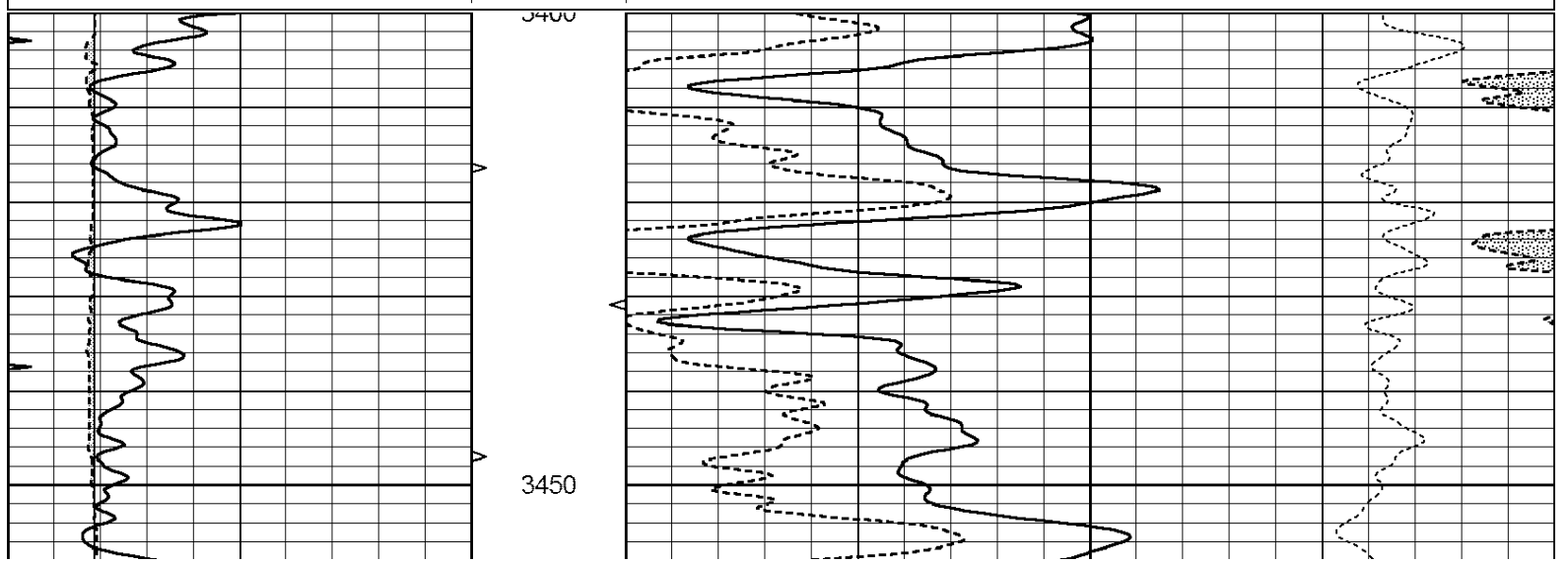


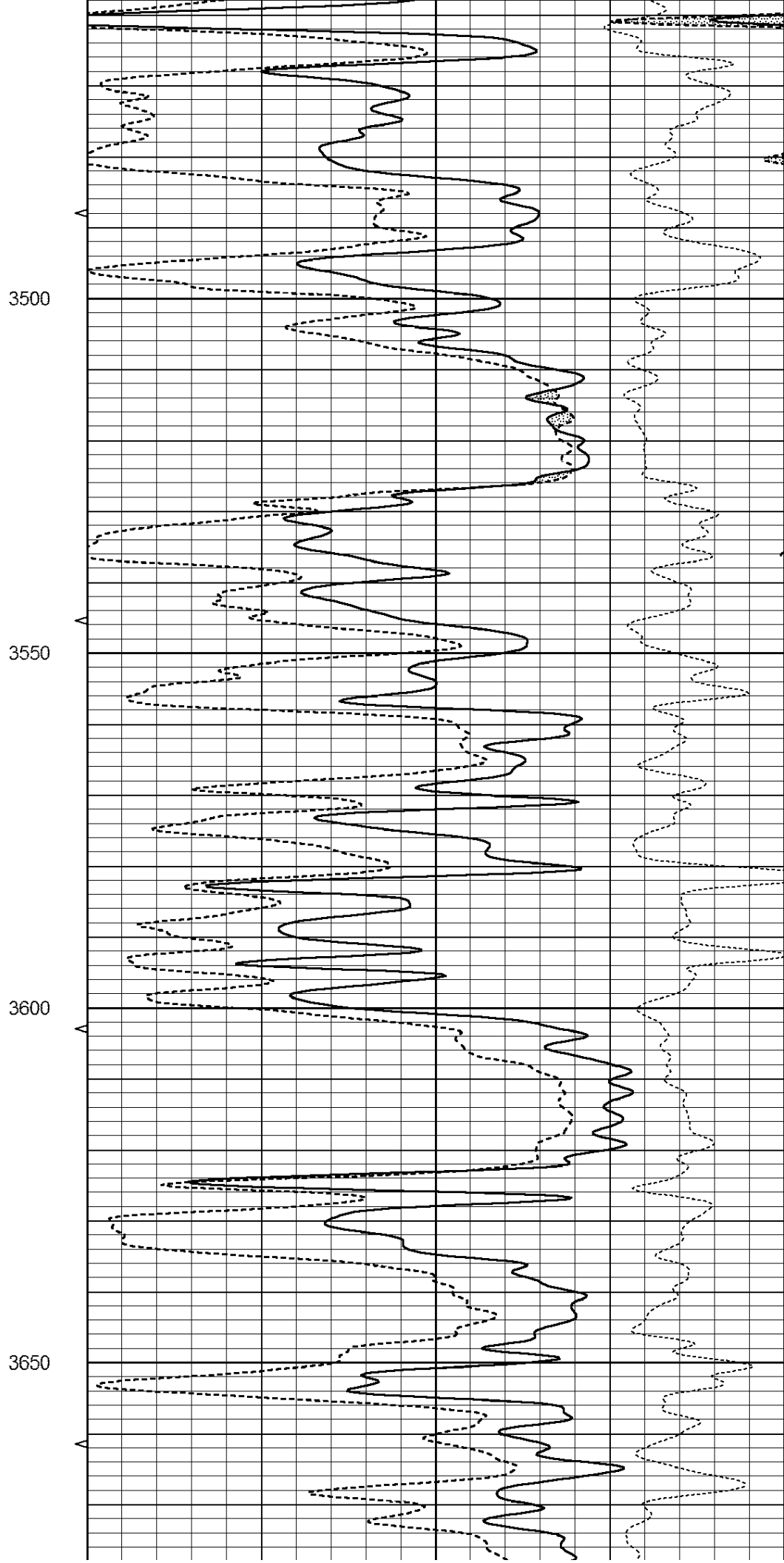
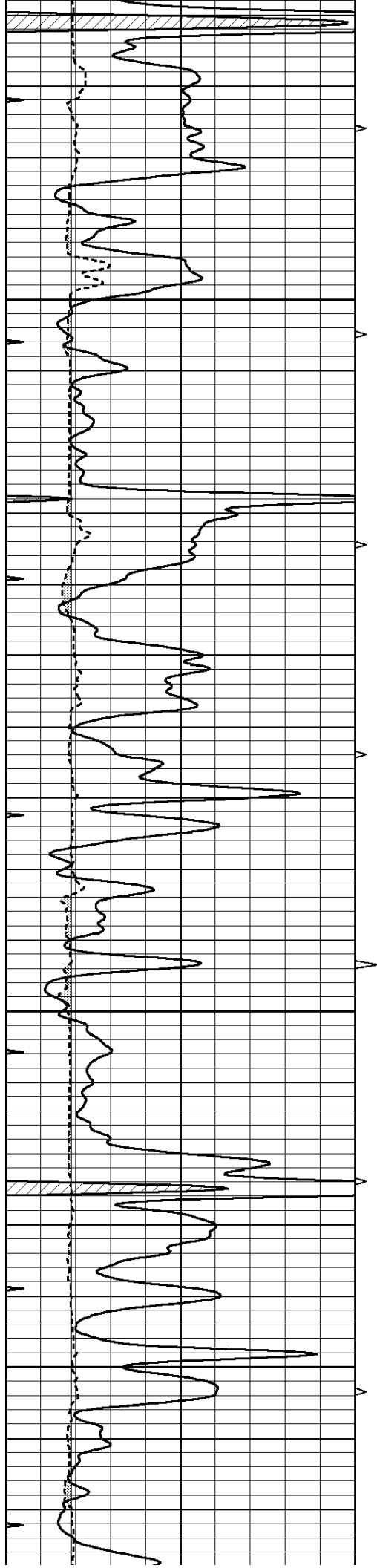
REPEAT SECTION

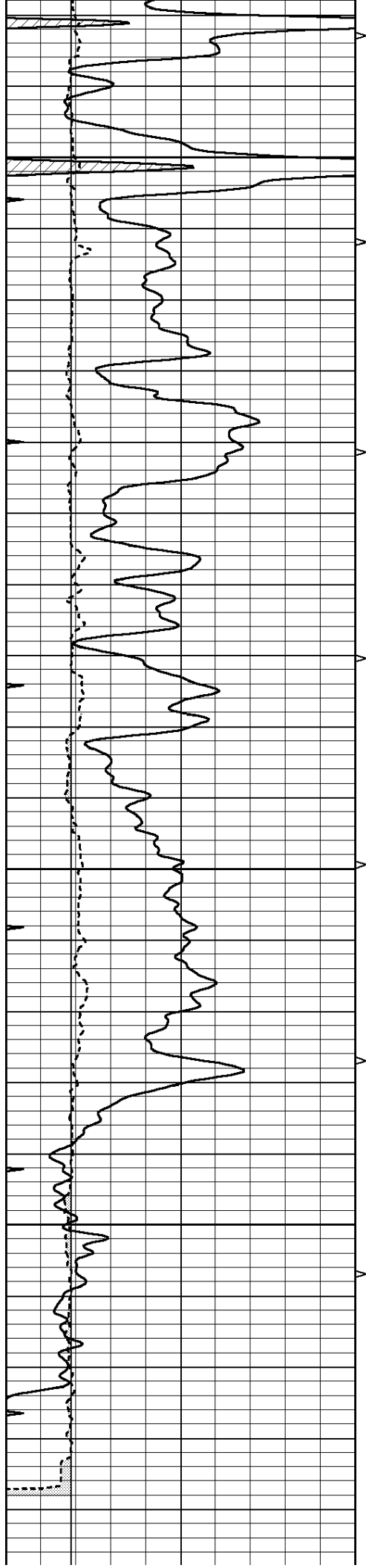
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 Charted by: Depth in Feet scaled 1:240

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

0	MINMK	20	TBHV			-0.25	CORRECTION (g/cc)	0.25	
			0 (ft3)	10	-----				





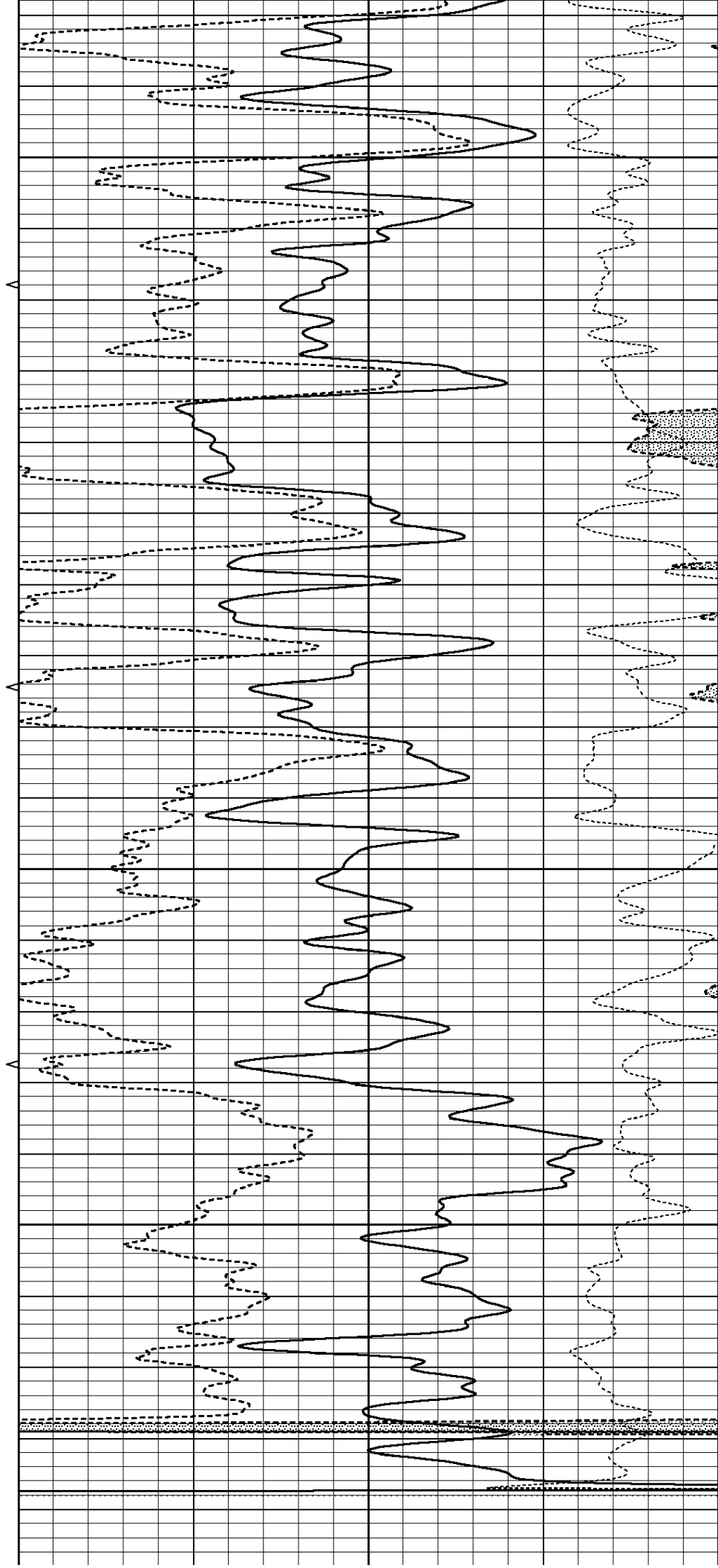


3700

3750

3800

3850



Window 4	189.1	188.7	187.7	190.2	cps
Long Space	0.0	5559.9	1212.0	6620.4	cps
Short Space	4.5	1298.8	854.9	1365.6	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe		0.0000	2.5700	1.5500	
Rib Angle	: 44.6	Rib Slope	: 0.988	Density/Spine Ratio	: 0.557
Spine Angle	: 74.6	Spine Slope	: 3.642	Spine Intercept	: -17.5

Before Survey Verification		Performed Wed Dec 31 18:00:00 1969			
Window 1	0.0	0.0	0.0	0.0	cps
Window 2	0.0	0.0	0.0	0.0	cps
Window 3	0.0	0.0	0.0	0.0	cps
Window 4	0.0	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	0.0000	g/cc
Measured Pe			0.0000	0.0000	

After Survey Verification		Performed Wed Dec 31 18:00:00 1969			
Window 1	0.0	0.0	0.0	0.0	cps
Window 2	0.0	0.0	0.0	0.0	cps
Window 3	0.0	0.0	0.0	0.0	cps
Window 4	0.0	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	0.0000	g/cc
Measured Pe			0.0000	0.0000	

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Compensated Neutron Calibration Report					
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Serial Number:		6I			
Tool Model:		G			

CALIBRATION					
Detector		Readings		Target	Normalization
Short Space		1.00	cps	1.00	1.0000
Long Space		1.00	cps	1.00	1.0000

PRE-SURVEY VERIFICATION					
Detector		Readings		Measured	Target
1)	Short Space	cps			
	Long Space	cps		pu	pu
2)	Short Space	cps			
	Long Space	cps		pu	
3)	Short Space	cps			
	Long Space	cps		pu	

POST-SURVEY VERIFICATION					
Detector		Readings		Measured	Target

1)	Short Space Long Space	cps cps	pu	pu
2)	Short Space Long Space	cps cps	pu	pu
3)	Short Space Long Space	cps cps	pu	pu

Gamma Ray Calibration Report				
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Serial Number:	GR6		
Tool Model:	OPEN		
Performed:	Wed Jul 03 12:57:34 2019		
Calibrator Value:	150.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	276.0	cps	
Sensitivity:	0.5700	GAPI/cps	