

COMPENSATED
DENSITY / NEUTRON
PE LOG

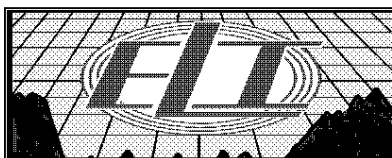
Company	JEL RESOURCES, LLC.		
Well	LYDA RUTTI #1-8		
Field	WILDCAT		
County	STAFFORD		
State	KANSAS		
Company	JEL RESOURCES, LLC.		
Well	LYDA RUTTI #1-8		
Field	WILDCAT		
County	STAFFORD		
State	KANSAS		
Location:	AP1 # : 15-185-24040-0000 330' FSL & 990' FVL SE - SW - SW		
Permanent Datum	GROUND LEVEL	Elevation	1906
Log Measured From	KELLY BUSHING 8' A.G.L.		
Drilling Measured From	KELLY BUSHING		
SEC 8	TWP 22S	RGE 13W	
Date	12/1/18		
Run Number	ONE		
Depth Driller	3900		
Depth Logger	3901		
Bottom Logged Interval	3877		
Top Log Interval	3200		
Casing Driller	8 5/8"@305'		
Casing Logger	305		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 9,300 PPM	
Density / Viscosity	9.1/63		
pH / Fluid Loss	11.0/9.2		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.400@60F		
Rmf @ Meas. Temp	.300@60F		
Rmc @ Meas. Temp	.480@60F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.209@115F		
Time Circulation Stopped	2.5 HOURS		
Time Logger on Bottom	6:00 P.M.		
Maximum Recorded Temperature	115F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	JUSTIN CARTER		

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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

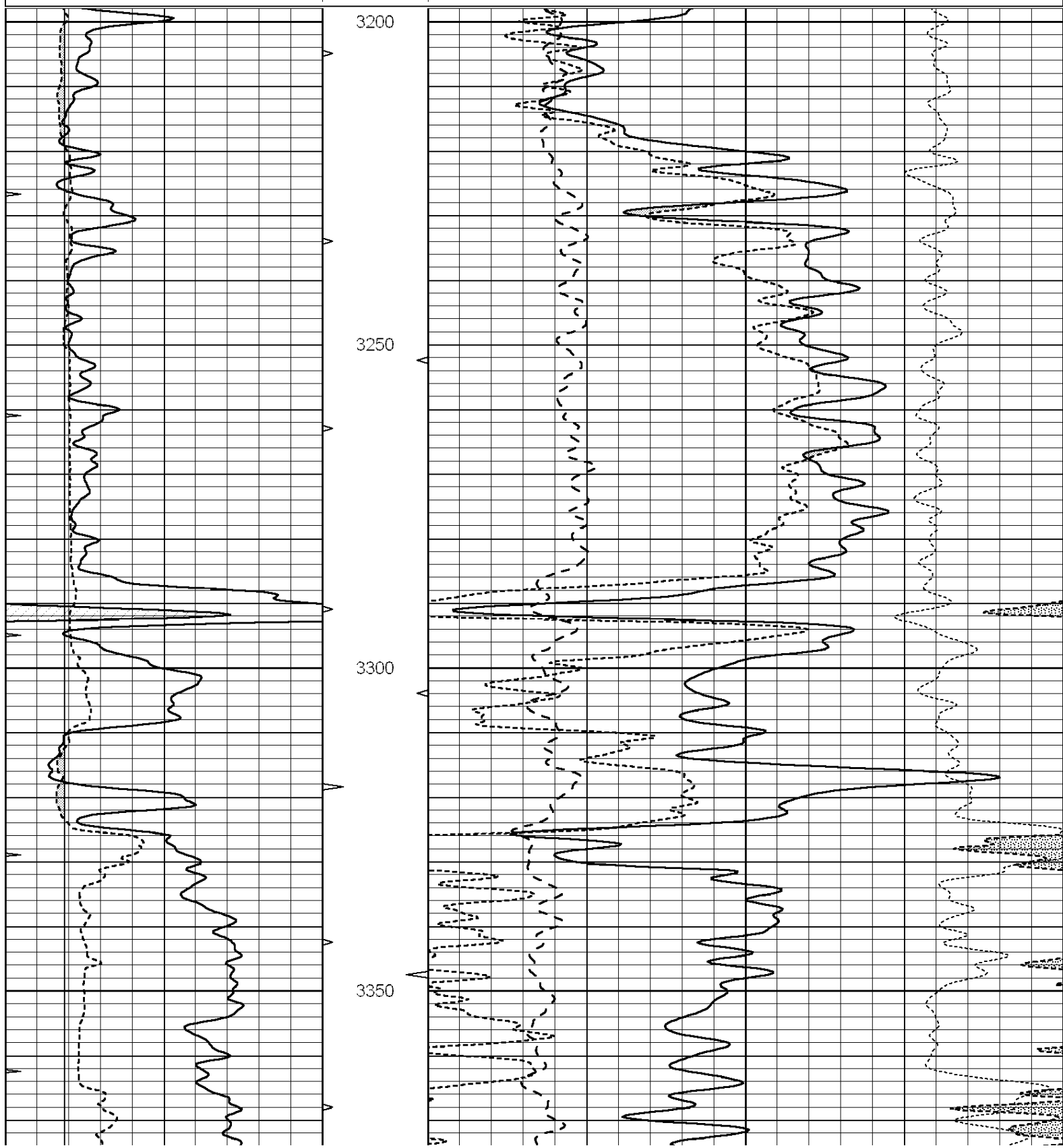
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
LARNED, KS., EAST ON K-19 TO "STAFFORD CR 20", 1S., 1/4E., N. INTO

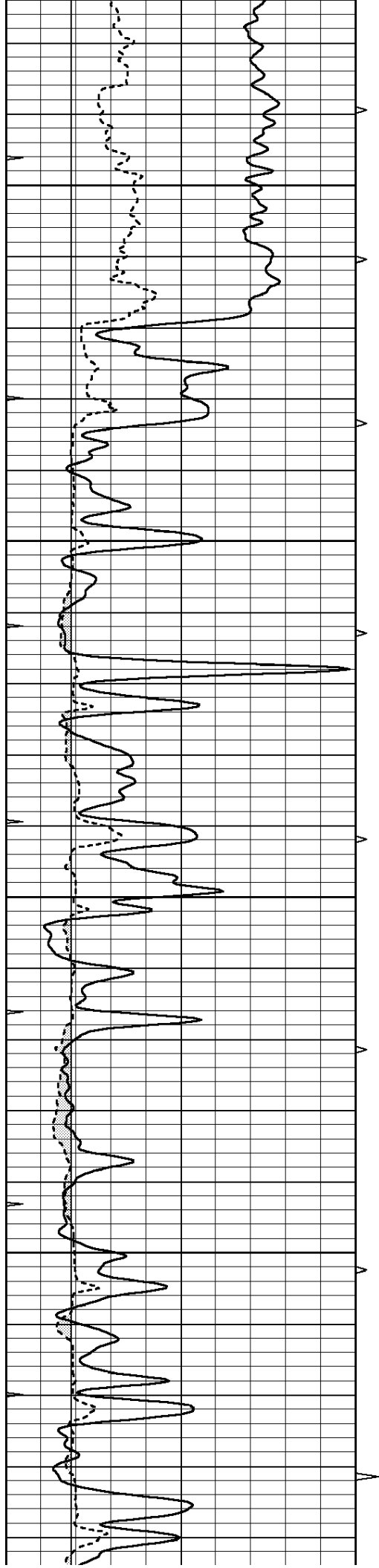


MAIN SECTION

Database File: 3065pe.db
Dataset Pathname: pass3.5
Presentation Format: ldt_neu
Dataset Creation: Sat Dec 01 20:06:59 2018
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	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV	0	PE	10 -0.25 CORRECTION (g/cc) 0.25
			0 (ft3)	10		



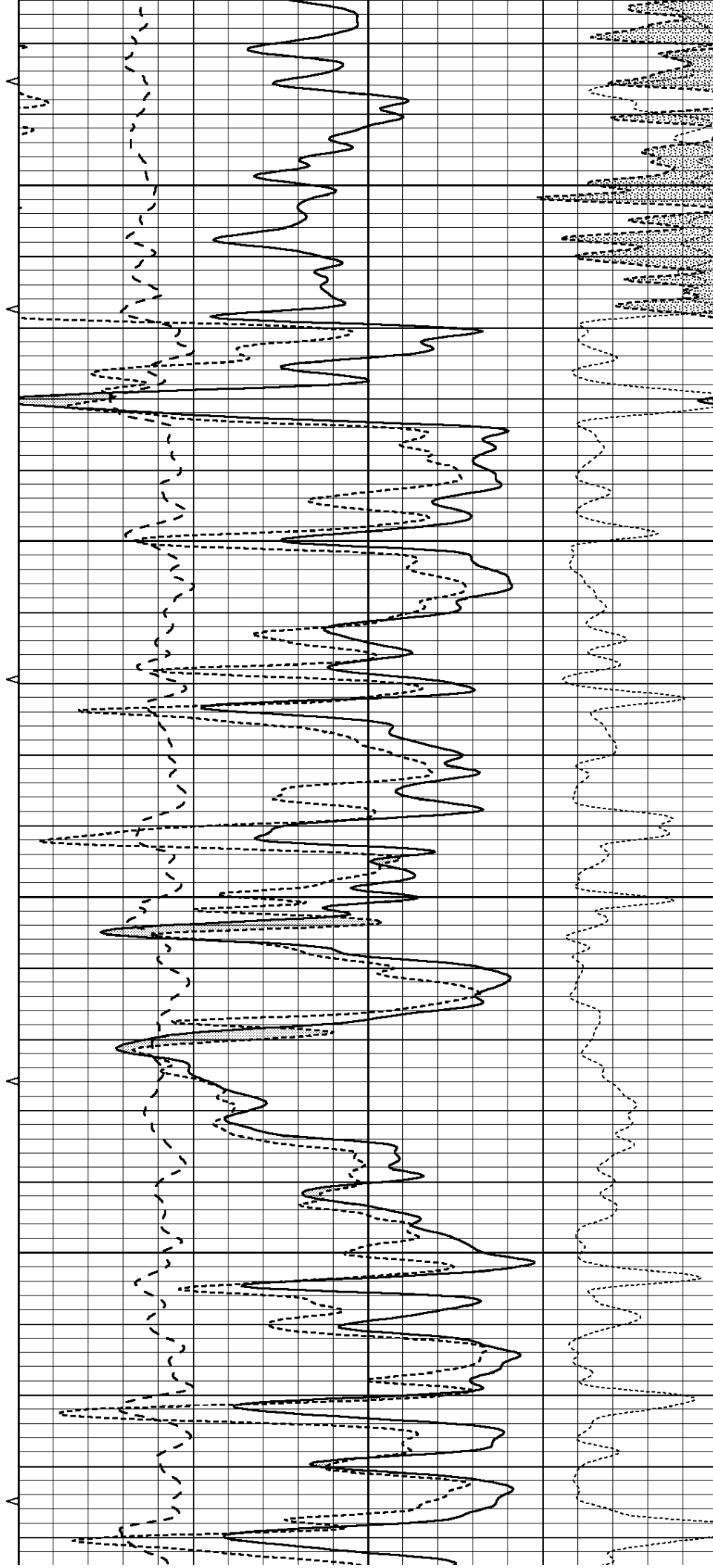


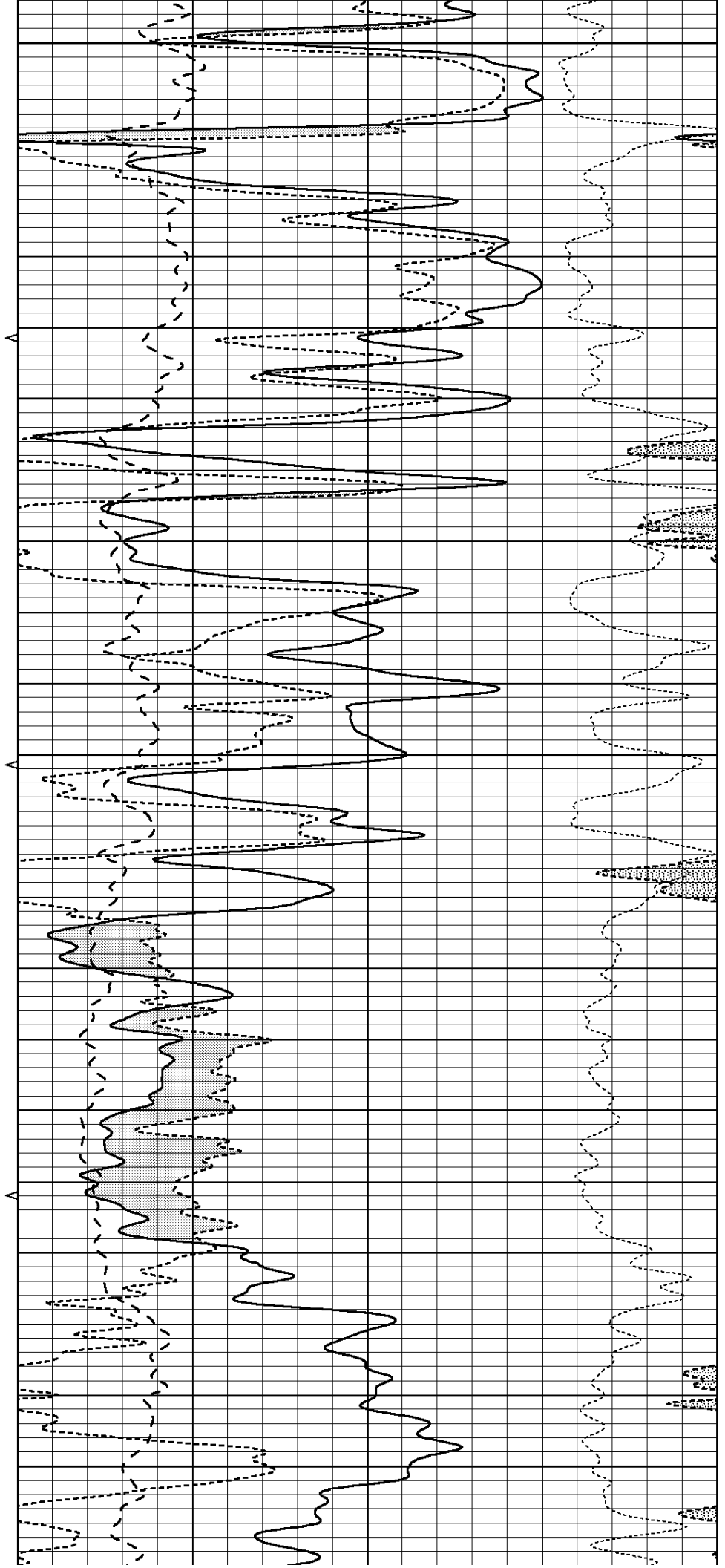
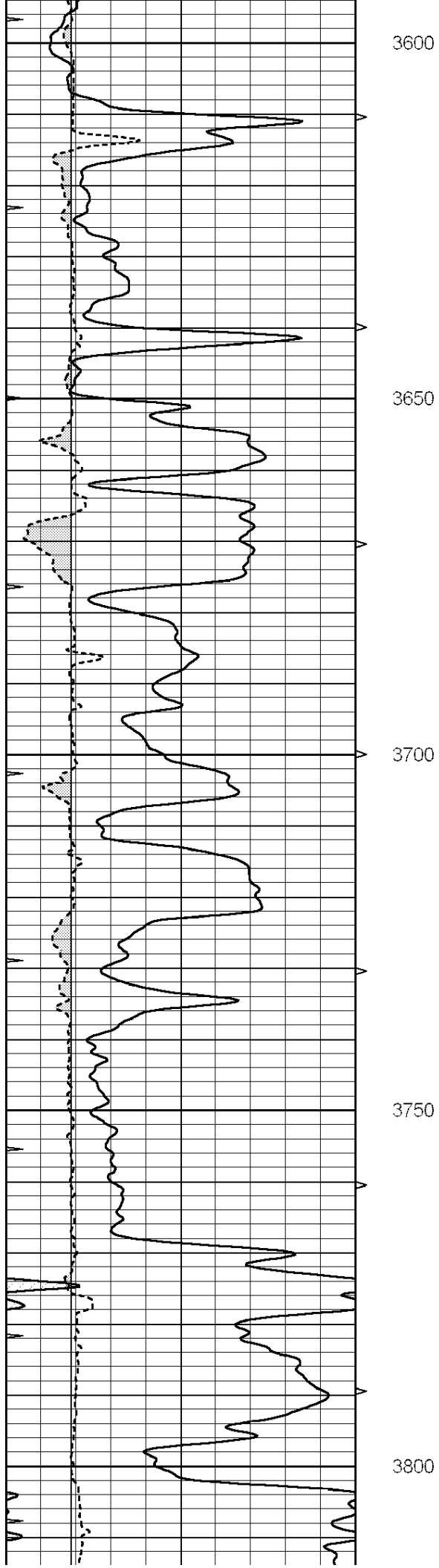
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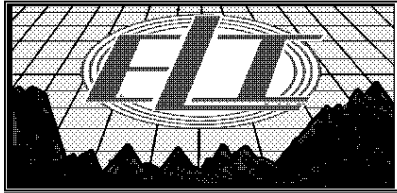
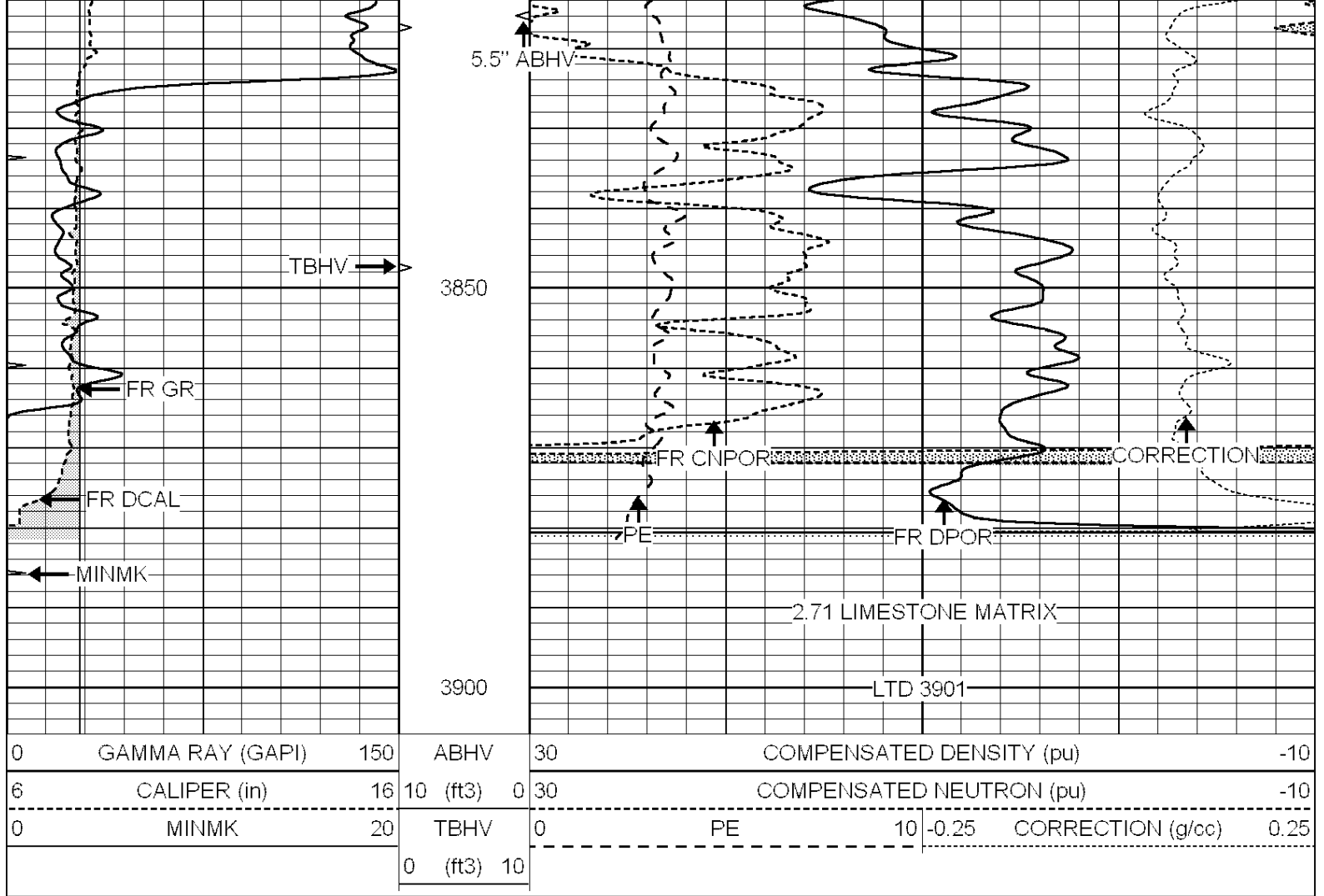
3450

3500

3550

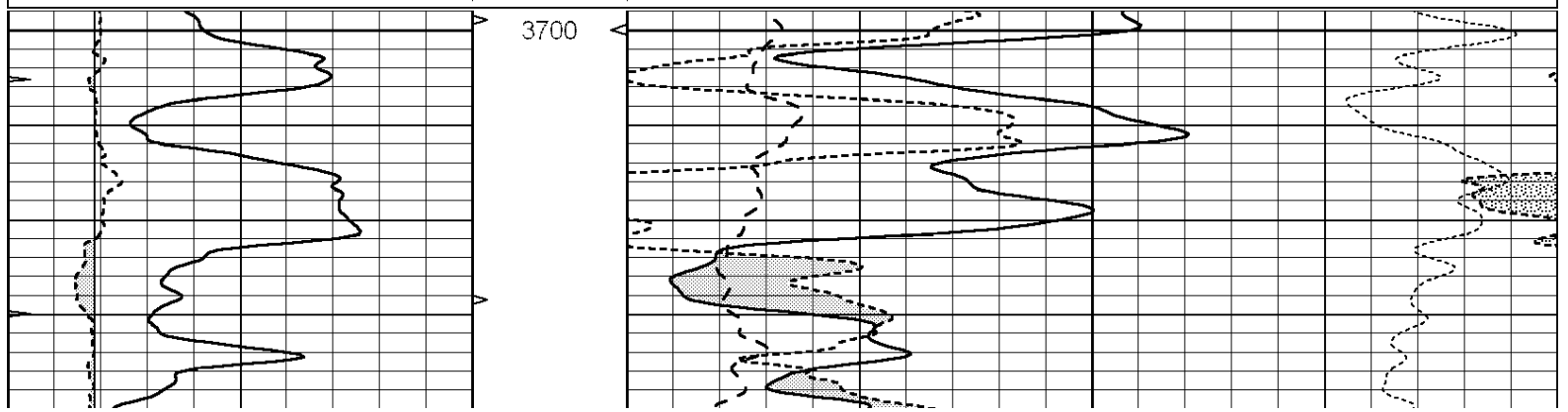
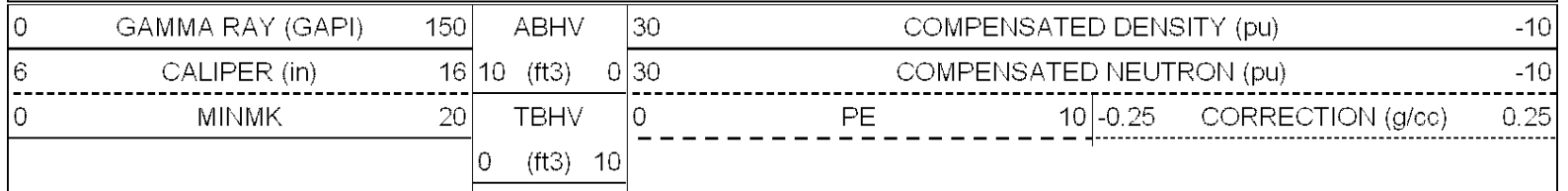


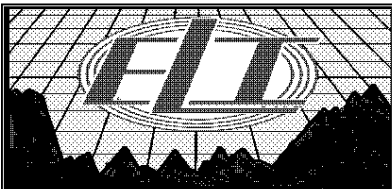
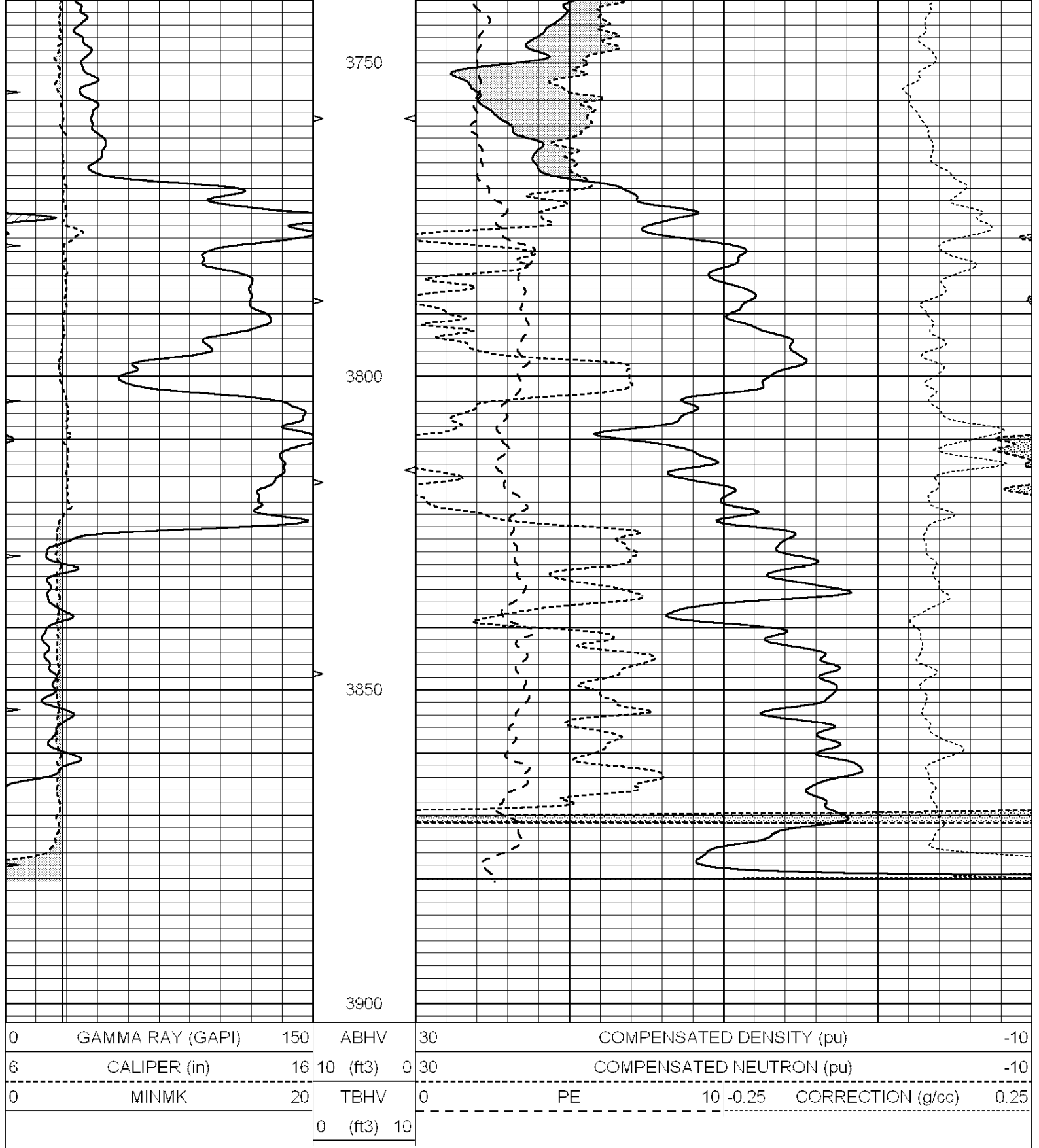




REPEAT SECTION

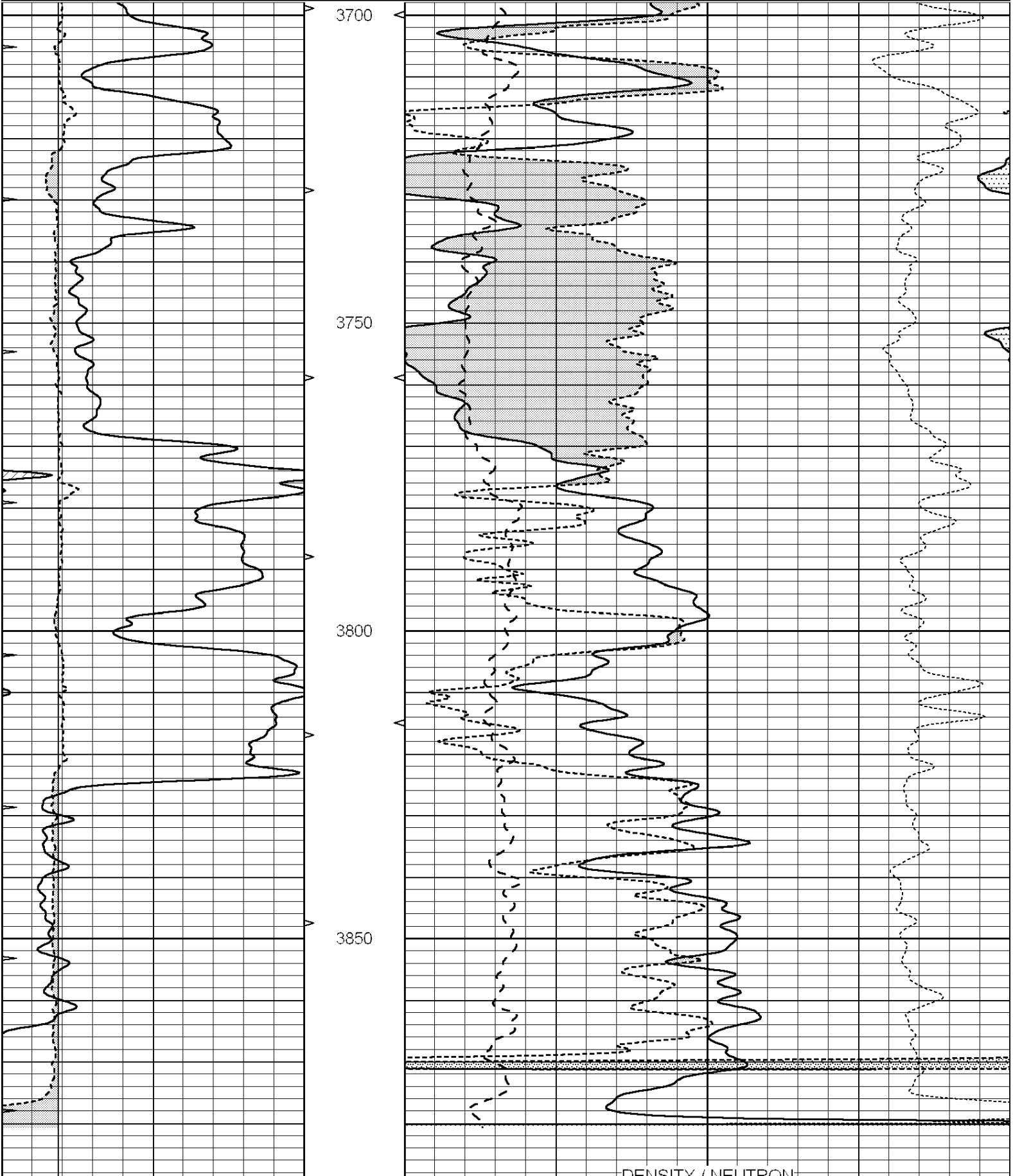
Database File: 3065pe.db
 Dataset Pathname: pass2.2
 Presentation Format: ldt_neu
 Dataset Creation: Sat Dec 01 18:48:30 2018 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240





DOLOMITE MATRIX

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	PE	10	-0.25	CORRECTION (g/cc) 0.25
			0 (ft3) 10					



Window 3	631.7	4669.0	1481.9	5042.9	cps
Window 4	187.0	187.5	185.9	189.9	cps
Long Space	0.0	8345.4	1798.1	9425.3	cps
Short Space	1.1	1927.9	1285.9	2050.2	cps
Rho		1.7100	2.5960	1.3800	g/cc
Pe		0.0000	2.5700	1.5500	
Rib Angle	: 45.2	Rib Slope	: 1.008	Density/Spine Ratio	: 0.558
Spine Angle	: 75.2	Spine Slope	: 3.790	Spine Intercept	: -19.6

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	

Compensated Neutron Calibration Report					

Serial Number:		070808			
Tool Model:		Probe			

PRE-SURVEY VERIFICATION					
Detector	Readings		Measured	Target	
Short Space		cps			
Long Space		cps	pu	pu	

POST-SURVEY VERIFICATION					
Detector	Readings		Measured	Target	
Short Space		cps			
Long Space		cps	pu	pu	

Gamma Ray Calibration Report					
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Serial Number:	070558		
Tool Model:	OPEN_GR		
Performed:	Wed May 31 00:09:32 2017		
Calibrator Value:	1.0	GAPI	
Density (g/cc)	2.0		

Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2800	GAPI/cps