



COMPENSATED
DENSITY/NEUTRON
PE LOG

Company	MULL DRILLING COMPANY, INC.	Company	MULL DRILLING COMPANY, INC.
Well	WEEDEN #1-28	Well	WEEDEN #1-28
Field	UNNAMED	Field	UNNAMED
County	LYON	County	LYON
State	KANSAS	State	KANSAS
Location:	API # : 15-111-20558-0000 1740' FSL & 1499' FEL N/2, SW/4	Other Services DIL/MEL SONIC	
Permanent Datum	SEC 28 TWP 21S RGE 12E	Elevation	
Log Measured From	GROUND LEVEL Elevation 1232	K.B. 1238	
Drilling Measured From	KELLY BUSHING 6' A.G.L KELLY BUSHING	D.F. 1236	
		G.L. 1232	
Date	6/16/22		
Run Number	ONE		
Depth Driller	2050		
Depth Logger	2047		
Bottom Logged Interval	2023		
Top Log Interval	800		
Casing Driller	8 5/8" @40'		
Casing Logger	50		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	3.50 @ 75F		
Rmf @ Meas. Temp	2.63 @ 75F		
Rmc @ Meas. Temp	4.20 @ 75F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	2.65 @ 99F		
Time Circulation Stopped	4 HOURS		
Time Logger on Bottom	4:30 P.M.		
Maximum Recorded Temperature	99F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	COLE ROBEN		
Witnessed By	BLAKE MILLER		
	RUSTY MOURNING		

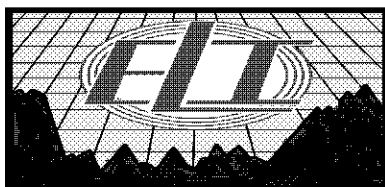
<<< Fold Here >>>

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

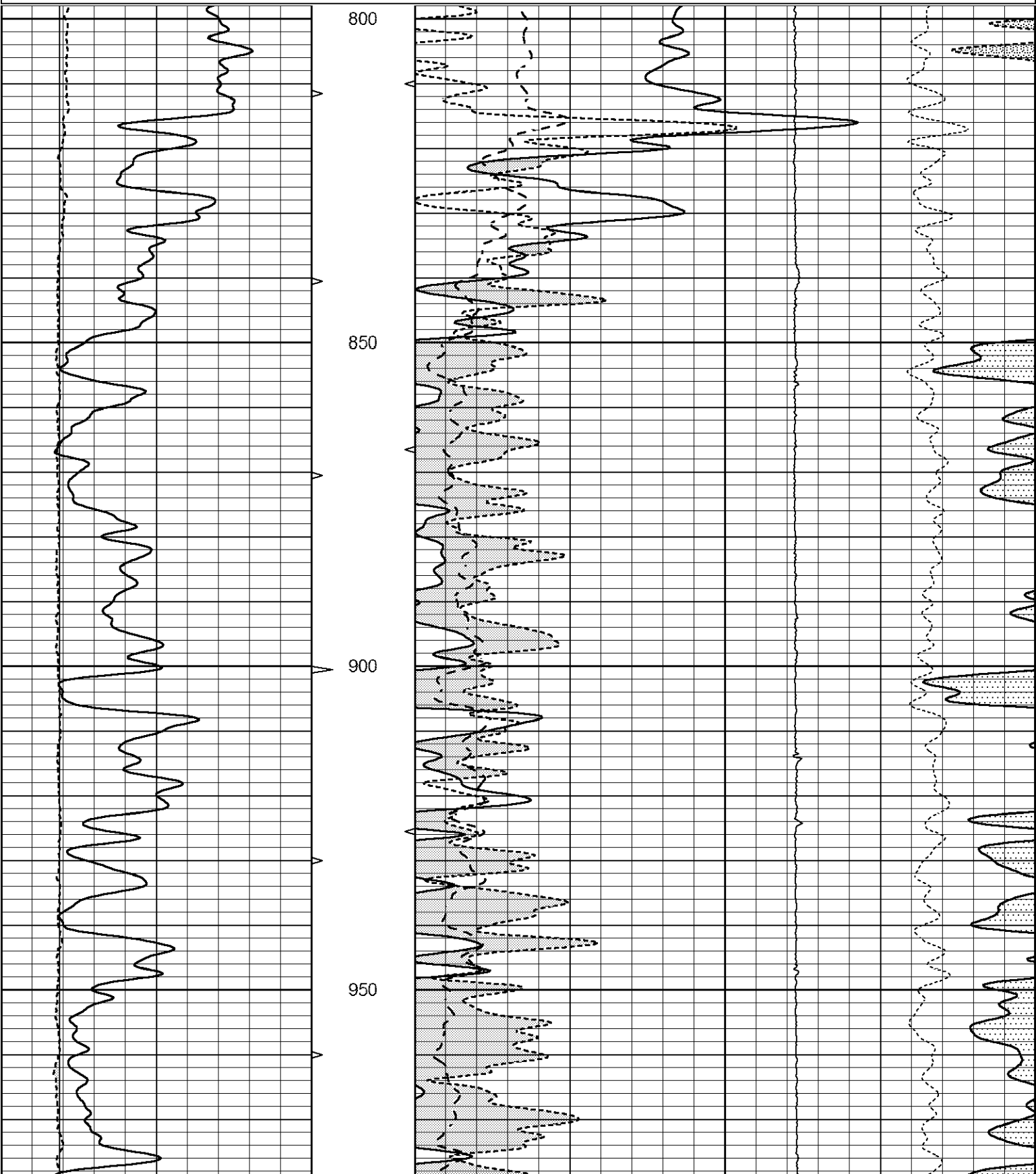
OLPE, KS. SOUTH ON KS-99, 3 MILES EAST ON RD. 30,
0.7 MILES SOUTH ON RD. R, EAST INTO

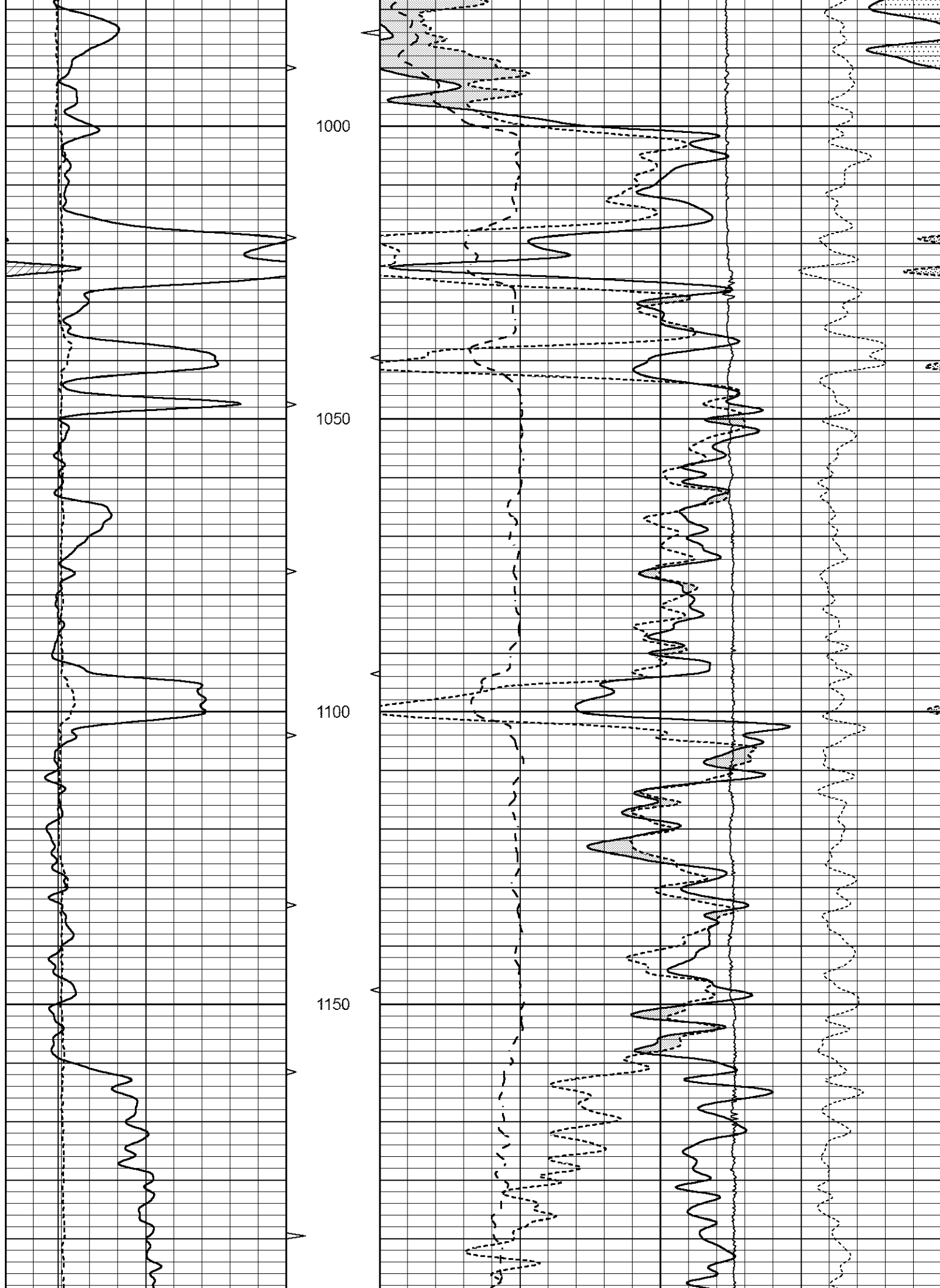


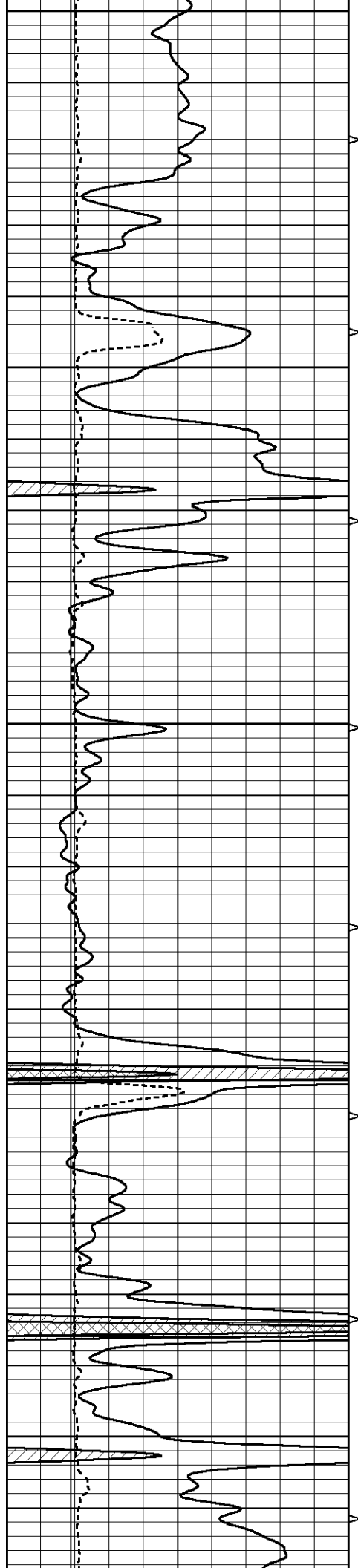
MAIN SECTION

Database File	6543pe.db
Dataset Pathname	pass3.1M
Presentation Format	ldt_neu
Dataset Creation	Thu Jun 16 17:54:33 2022
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
			TBHV	0	PE	10
			0 (ft3)	10	0	LTEN (lb)
					-0.25	CORRECTION (g/cc)
					0.25	







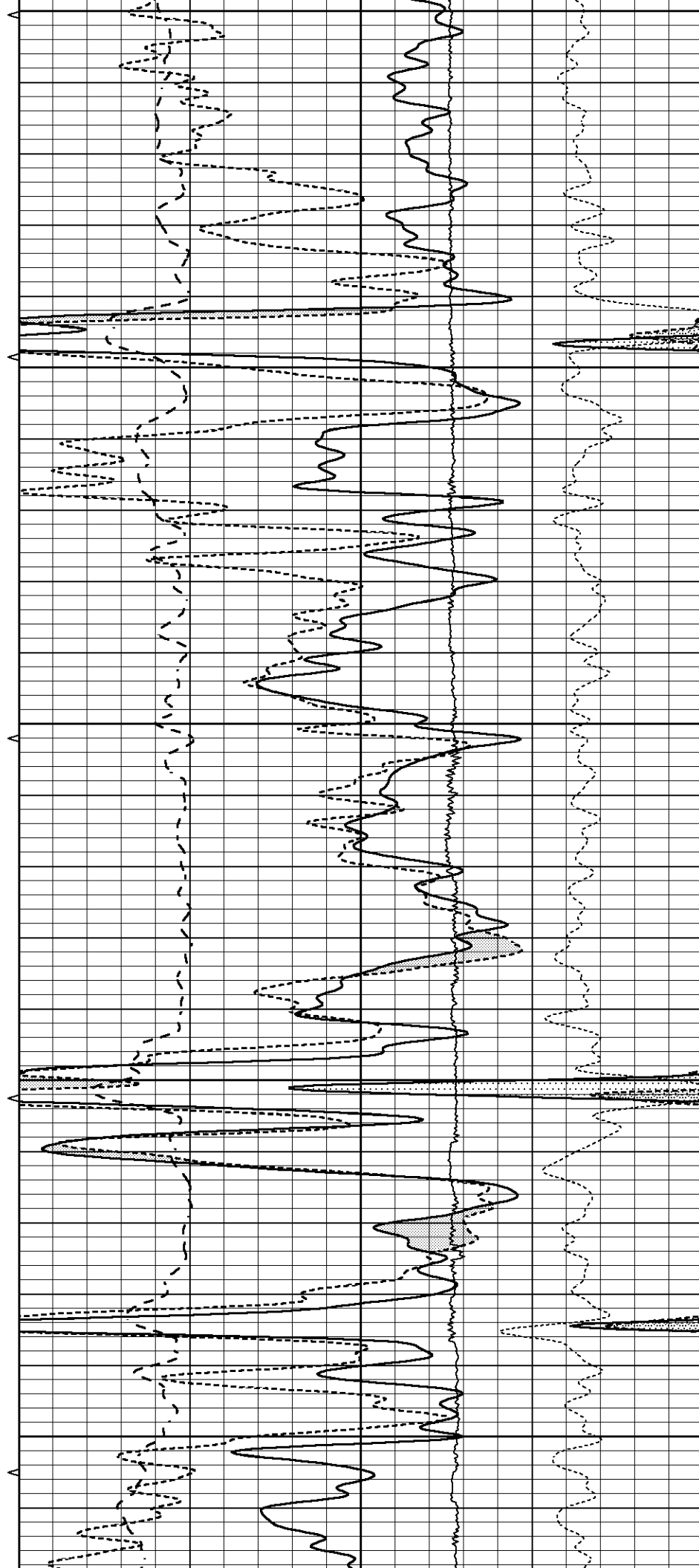
1200

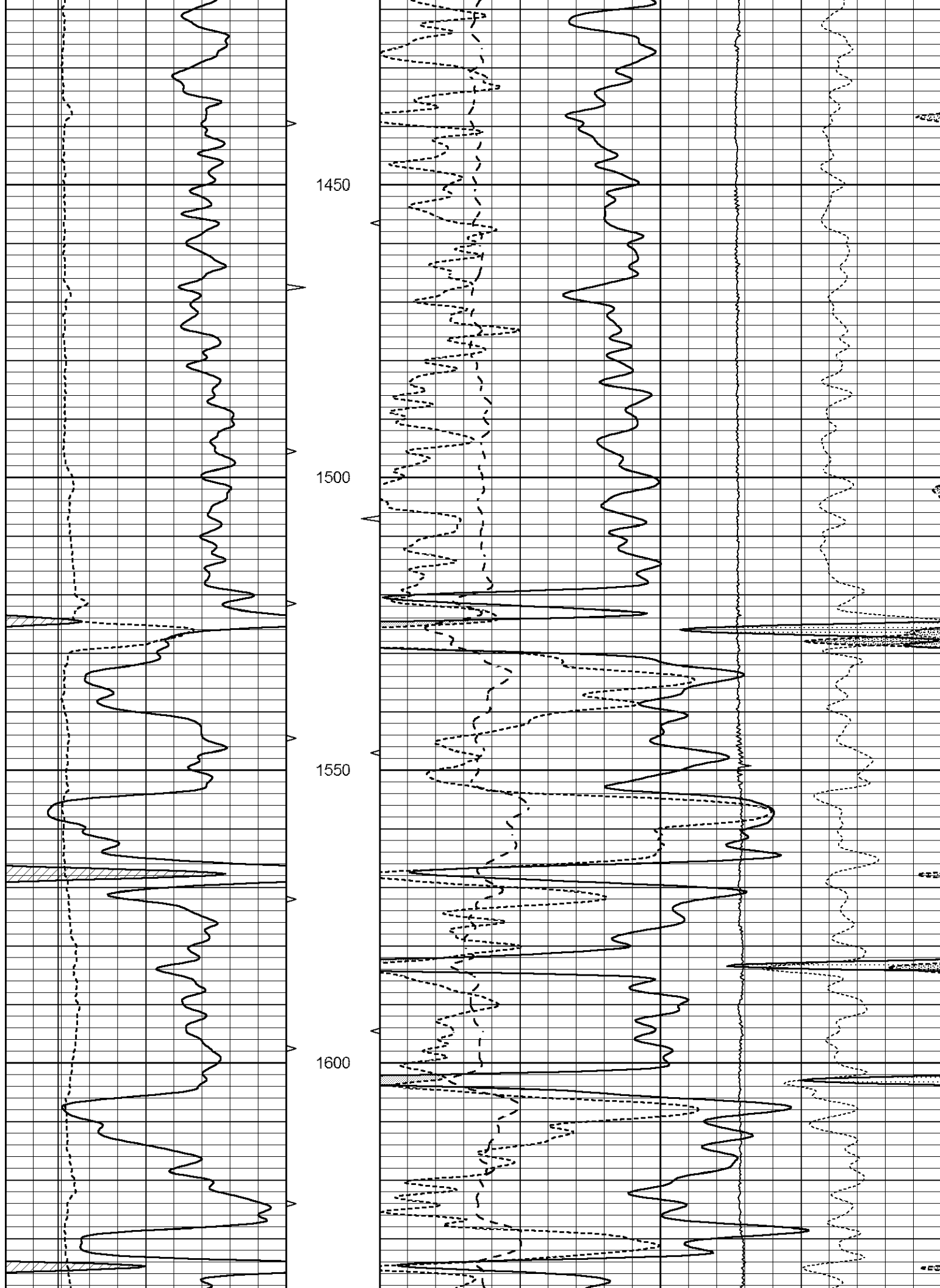
1250

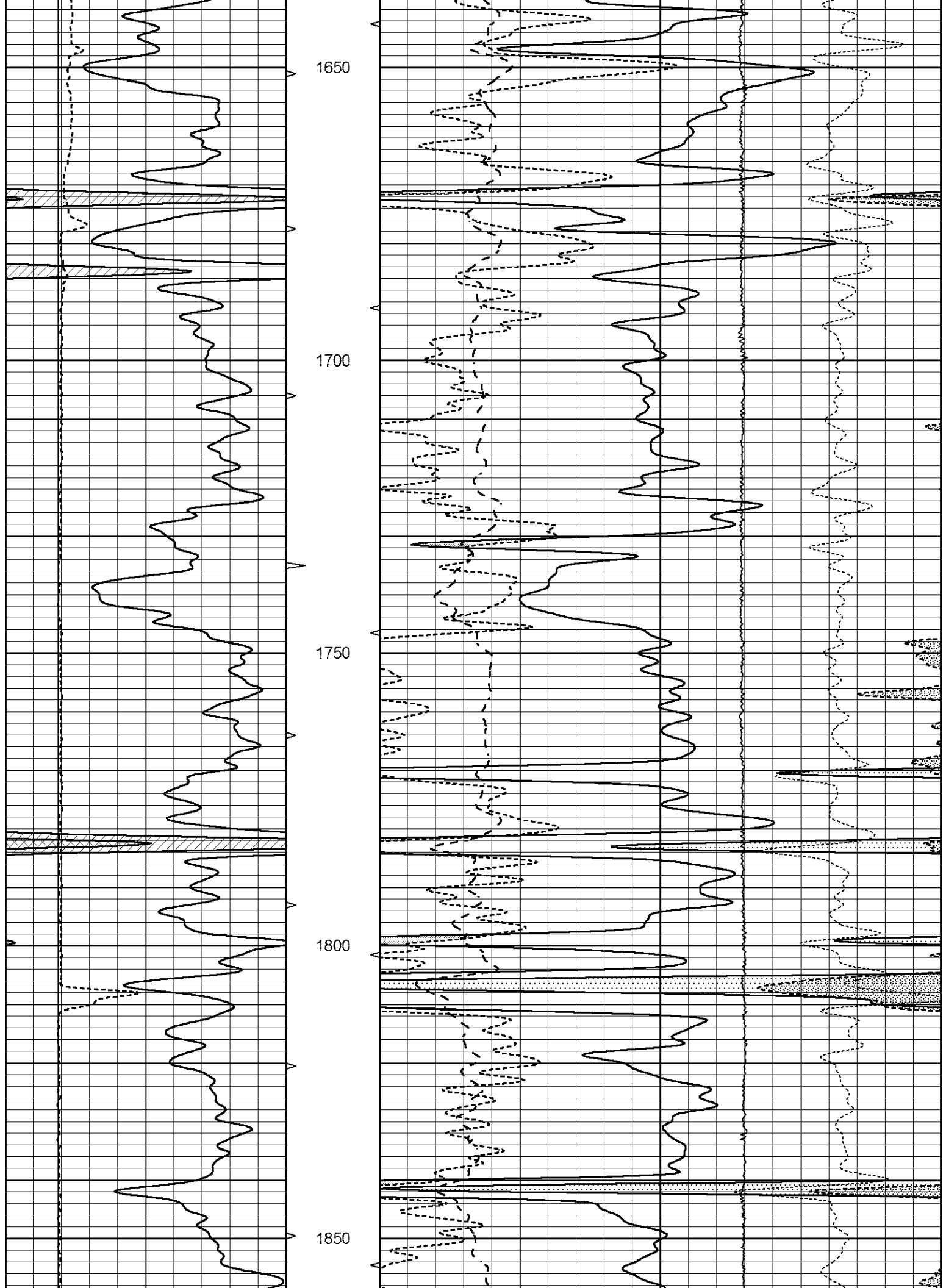
1300

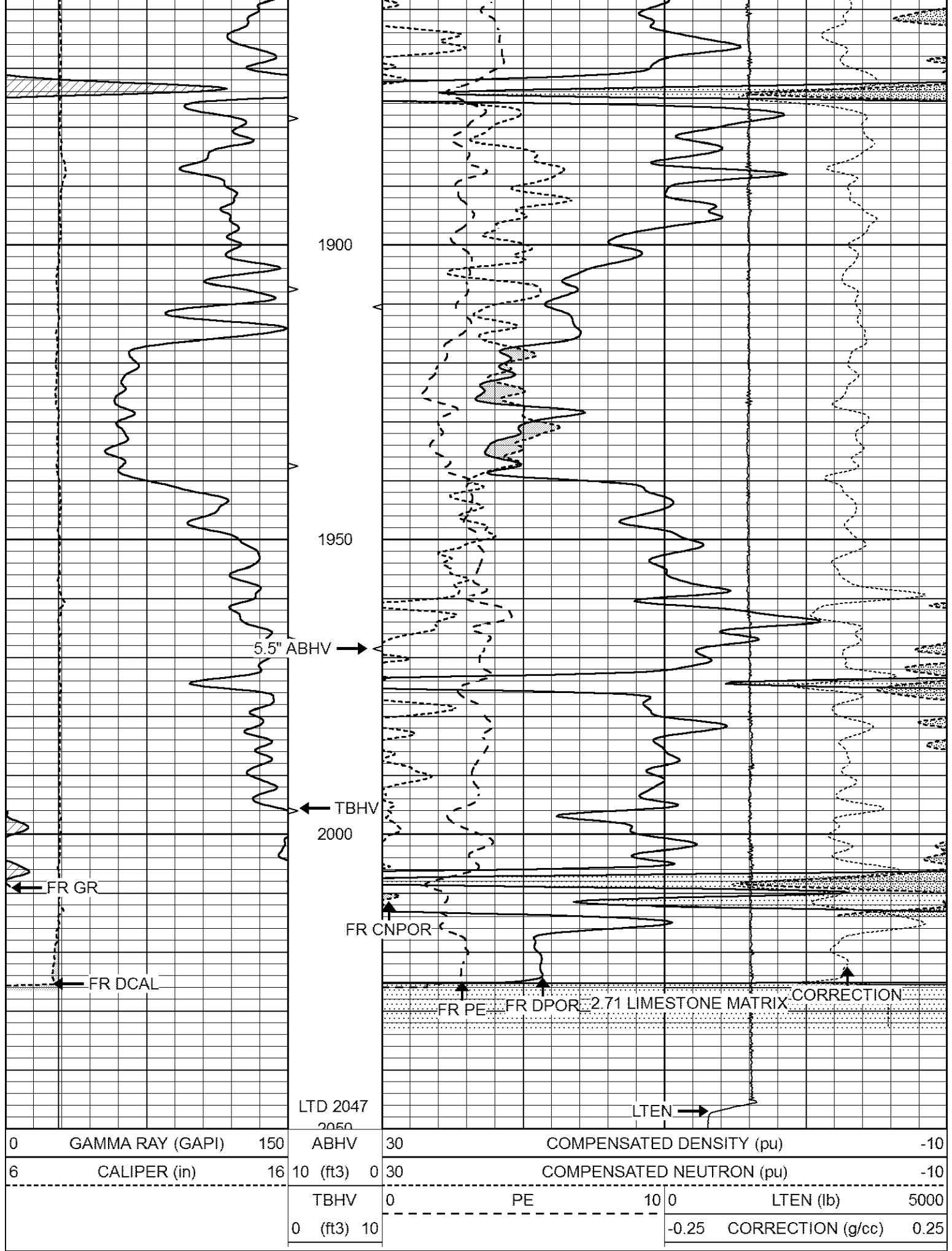
1350

1400









1900

1950

5.5" ABHV →

← TBHV
2000

← FR GR

← FR DCAL

↑ FR CNPOR

↑ FR PE ↑ FR DPOR 2.71 LIMESTONE MATRIX CORRECTION

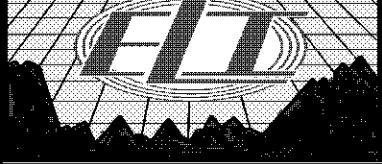
LTEN →

LTD 2047
2050

0 GAMMA RAY (GAPI) 150
6 CALIPER (in) 16

ABHV 30
10 (ft3) 0
TBHV 0
0 (ft3) 10

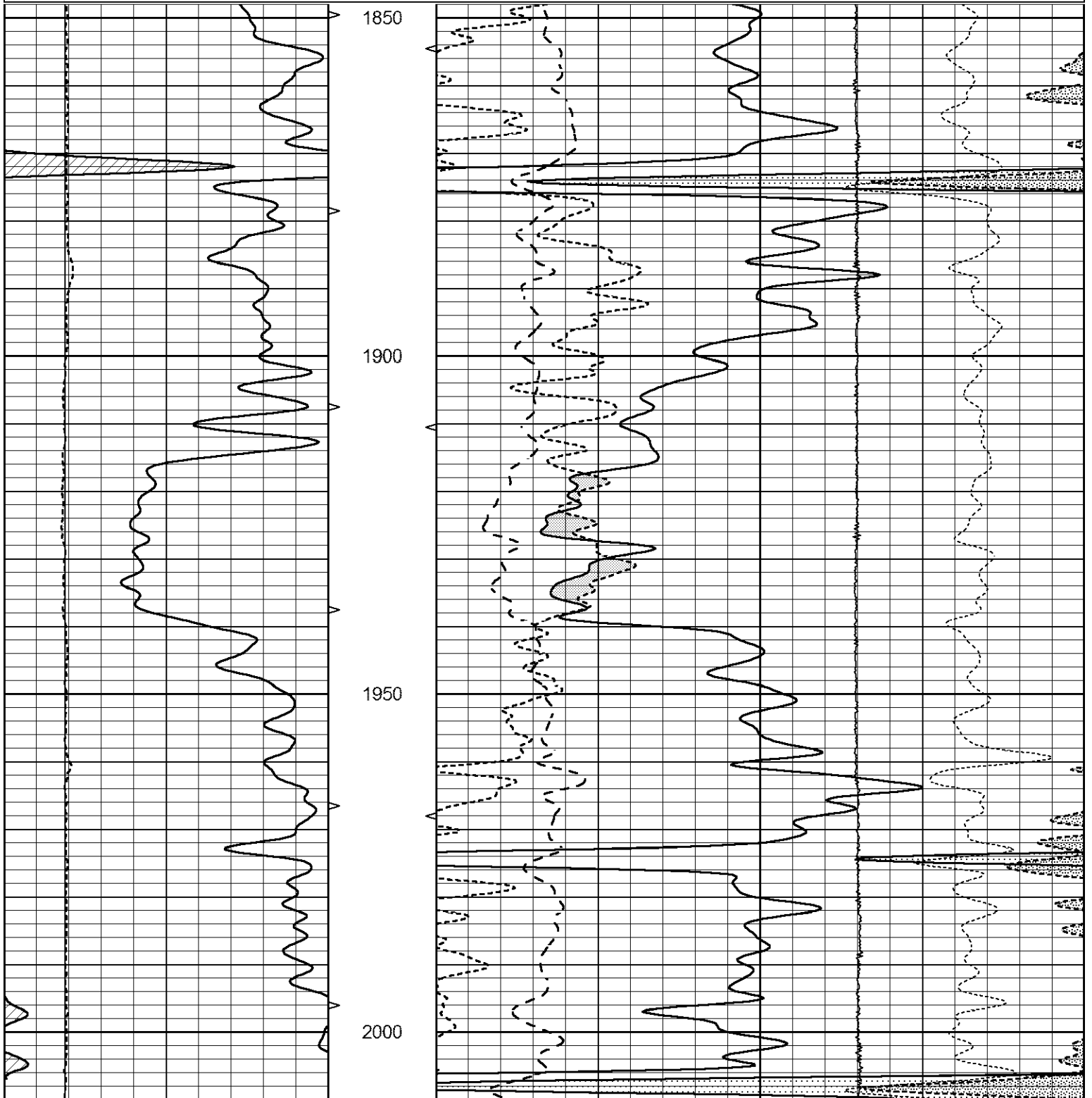
COMPENSATED DENSITY (pu) -10
COMPENSATED NEUTRON (pu) -10
PE 10 0 LTEN (lb) 5000
-0.25 CORRECTION (g/cc) 0.25

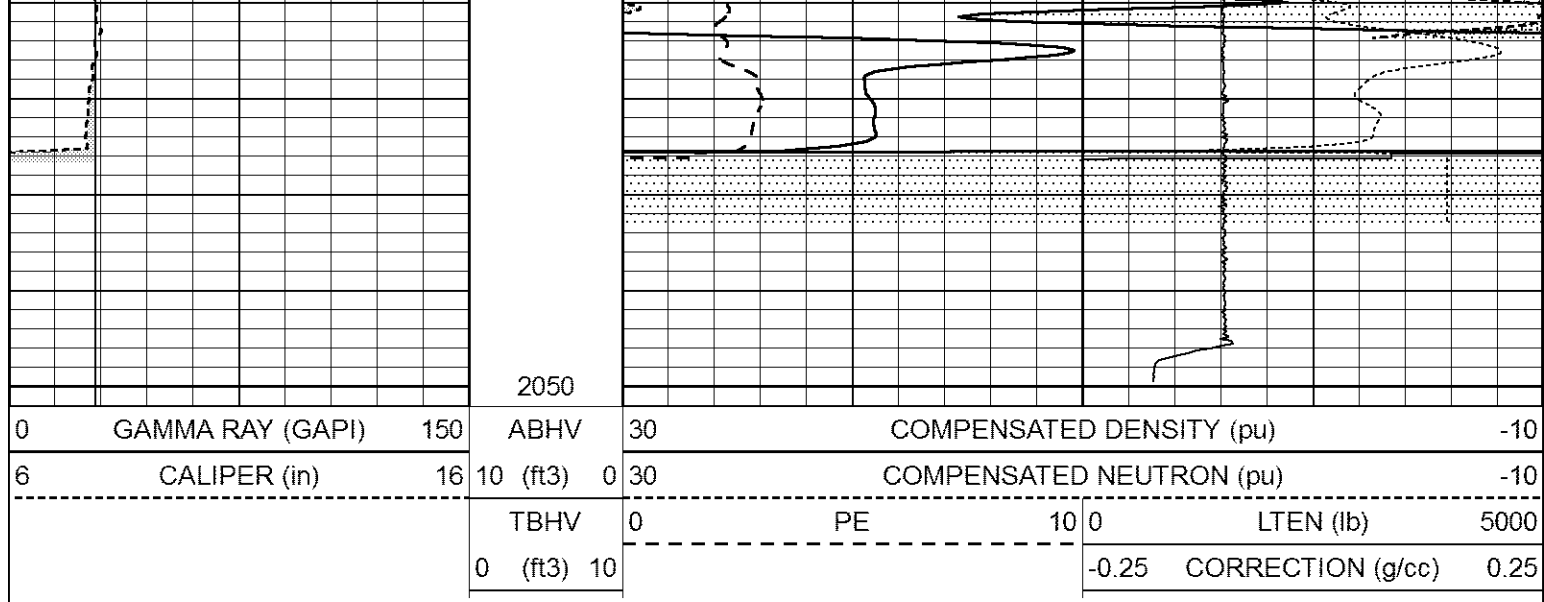


REPEAT SECTION

Database File 6543pe.db
Dataset Pathname pass3.3R
Presentation Format ldt_neu
Dataset Creation Thu Jun 16 18:28:02 2022
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
			TBHV	0	PE	10 0
			0 (ft3) 10		LTEN (lb)	5000
					-0.25	CORRECTION (g/cc) 0.25





Calibration Report									
Database File	6543pe.db								
Dataset Pathname	pass3.1M								
Dataset Creation	Thu Jun 16 17:54:33 2022								
Dual Induction Calibration Report									
Serial-Model:					FW1410-55-Probe				
Surface Cal Performed:					Sun May 15 19:17:36 2022				
Downhole Cal Performed:					Tue Feb 19 11:44:24 2019				
After Survey Verification Performed:					Tue Feb 19 11:44:27 2019				
Surface Calibration									
Readings				References			Results		
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.011	0.656	V	1.000	400.000	mmho/m	650.000	-2.000	
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	-16.000	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.007	0.649	V	0.000	400.000	mmho/m	623.784	-4.595	
Medium	0.004	0.743	V	0.000	464.000	mmho/m	627.284	-2.251	
Downhole Calibration									
Readings				References			Results		
	Zero	Cal		Zero	Cal		m'	b'	
Deep	-0.824	395.917	mmho/m	-0.976	397.550	mmho/m	1.004	-0.149	
Medium	3.565	471.327	mmho/m	3.468	471.590	mmho/m	1.001	-0.099	
LL3		7.503	V		1500.000	Ohm-m			
		0.001	V		20.000	Ohm-m			
		-7.481	V		3745.000	mmho-m			
After Survey Verification									
Readings				Targets			Results		
	Zero	Cal		Zero	Cal		m'	b'	
Deep	0.000	0.000	mmho/m	-0.824	395.917	mmho/m	1.000	0.000	
Medium	0.000	0.000	mmho/m	3.565	471.327	mmho/m	1.000	0.000	
LL3		0.000	Ohm-m		1500.000	Ohm-m			
		0.000	Ohm-m		20.000	Ohm-m			
		0.000	mmho-m		3745.000	mmho-m			

Litho Density Calibration Report
Serial: 140704
Model: V4_10P
Source Number: 74GBq-19

Master Calibration

Performed: Mon May 23 14:22:47 2022

	Background	Aluminum	Magnesium		
Window 1	511.07	5437.36	23664.68	cps	
Window 2	40.76	1220.39	5745.34	cps	
Window 4	223.73	1233.64	5301.27	cps	
Window 5	531.57	7878.13	15405.81	cps	
Window 6	48.52	1245.17	2497.97	cps	
Window 8	246.02	2578.14	4974.07	cps	
Bulk Density	-	2.6020	1.6830	g/cc	
Pe	-	3.0000	2.5070	b/e	
LS Alpha:	: -1.8413	SS Alpha:	: -0.8034	LS CPE:	: 1.1579
LS Beta:	: 124864.8423	SS Beta:	: 19537.1506	SS CPE:	: 1.6371

Before Survey Background Counts Verification

Performed: Wed Dec 31 18:00:00 1969

Window 1	0.00	cps
Window 2	0.00	cps
Window 4	0.00	cps
Window 5	0.00	cps
Window 6	0.00	cps
Window 8	0.00	cps

After Survey Background Counts Verification

Performed: Wed Dec 31 18:00:00 1969

Window 1	0.00	cps
Window 2	0.00	cps
Window 4	0.00	cps
Window 5	0.00	cps
Window 6	0.00	cps
Window 8	0.00	cps

Lithodensity Caliper Calibration

Performed: Mon May 23 14:22:47 2022

Results	Readings	References (in)		Gain	Offset
Low	High	Low	High		
8210.8	12139.3	7.0	14.0	0.0	-7.6

Before Survey Caliper Verification

Performed:

Reference	Reading
_____	_____
Caliper (in)	

After Survey Caliper Verification

Performed:

Reference	Reading
_____	_____
Caliper (in)	

Compensated Neutron Calibration Report			
Serial Number:		080621PMC	
Tool Model:		NABORS	
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			
Serial Number:	7		
Tool Model:	Probe1		
Performed:	Thu May 26 08:56:46 2022		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.5500	GAPI/cps	