

COMPENSATED DENSITY/NEUTRON LOG

Company	RAYMOND OIL COMPANY, INC.	Company	RAYMOND OIL COMPANY, INC.
Well	KOEHLER-EGGERS UNIT #1	Well	KOEHLER-EGGERS UNIT #1
Field	UNNAMED	Field	UNNAMED
County	CHEYENNE	County	CHEYENNE
State	KANSAS	State	KANSAS
Location:	API # : 15-023-21634-0000	Other Services	
Permanent Datum	GROUND LEVEL Elevation 3401	DIL/MEL	
Log Measured From	KELLY BUSHING 5' A.G.L	Elevation	
Drilling Measured From	KELLY BUSHING	K.B. 3406 D.F. 3404 G.L. 3401	
Date	9/3/23		
Run Number	ONE		
Depth Driller	5043		
Depth Logger	5044		
Bottom Logged Interval	5020		
Top Log Interval	3800		
Casing Driller	8 5/8" @ 387		
Casing Logger	387		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 1,500 PPM	
Density / Viscosity	9.2/54		
pH / Fluid Loss	8.5/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.70 @ 80F		
Rmt @ Meas. Temp	1.28 @ 80F		
Rmc @ Meas. Temp	2.04 @ 80F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	1.08 @ 125F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	7:00 A.M.		
Maximum Recorded Temperature	125F		
Equipment Number	8916		
Location	HAYS, KANSAS		
Recorded By	COLE ROBEN		
Witnessed By	KIM SHOEMAKER		

<<< Fold Here >>>

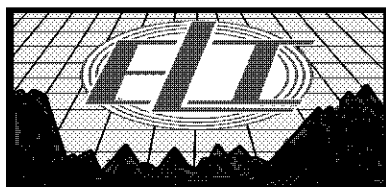
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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:

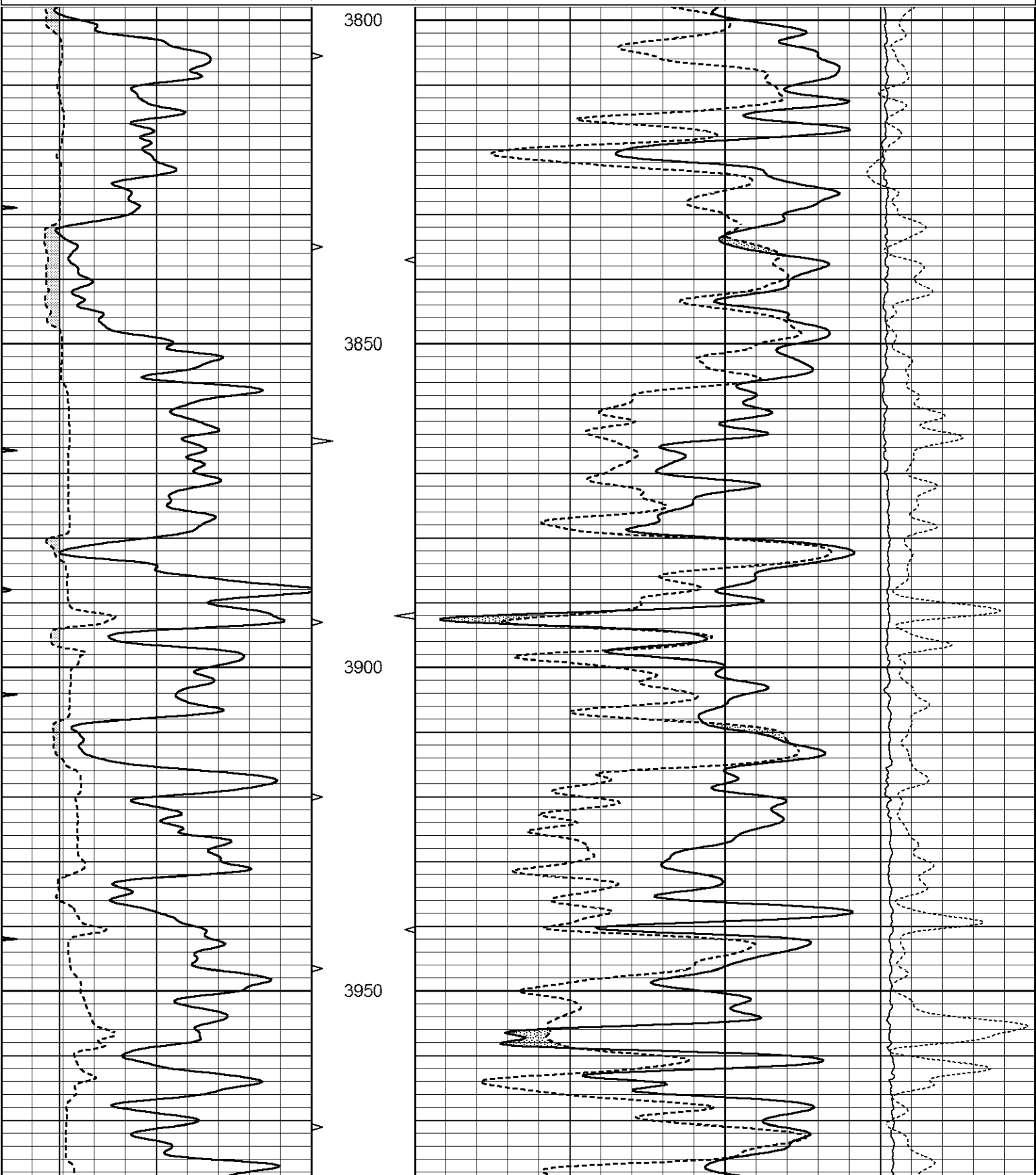
FROM I70/BREWSTER EXIT GO 23 MILES NORTH TO 'G' ROAD, 3 MILES WEST TO 34 ROAD,
1 MILE SOUTH, 1/2 MILE WEST, SOUTH INTO

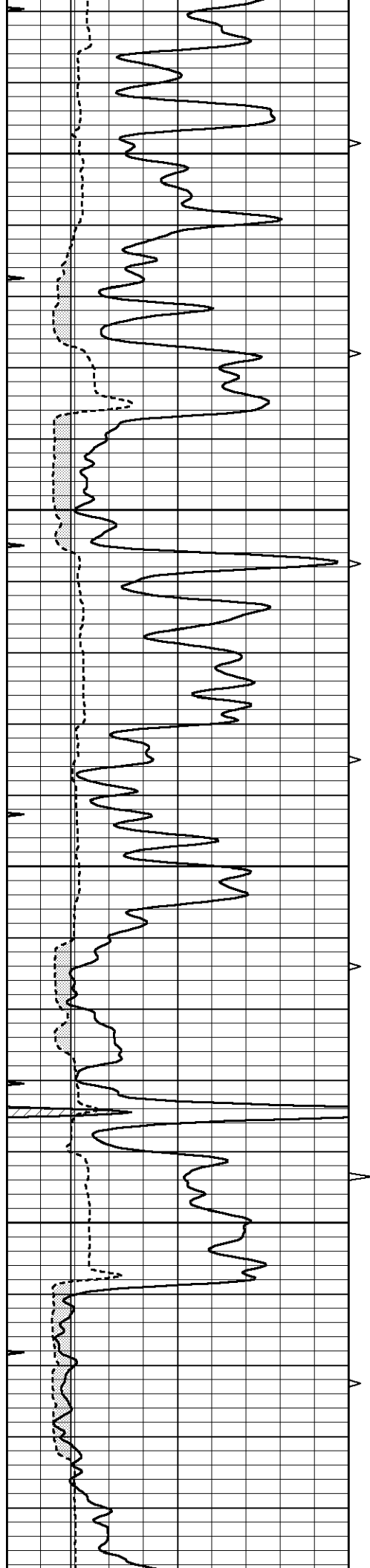


MAIN SECTION

Database File	7718ddn.db
Dataset Pathname	pass4DP
Presentation Format	_den_neu
Dataset Creation	Sun Sep 03 10:00:59 2023
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		0	LTEN (lb)	5000	



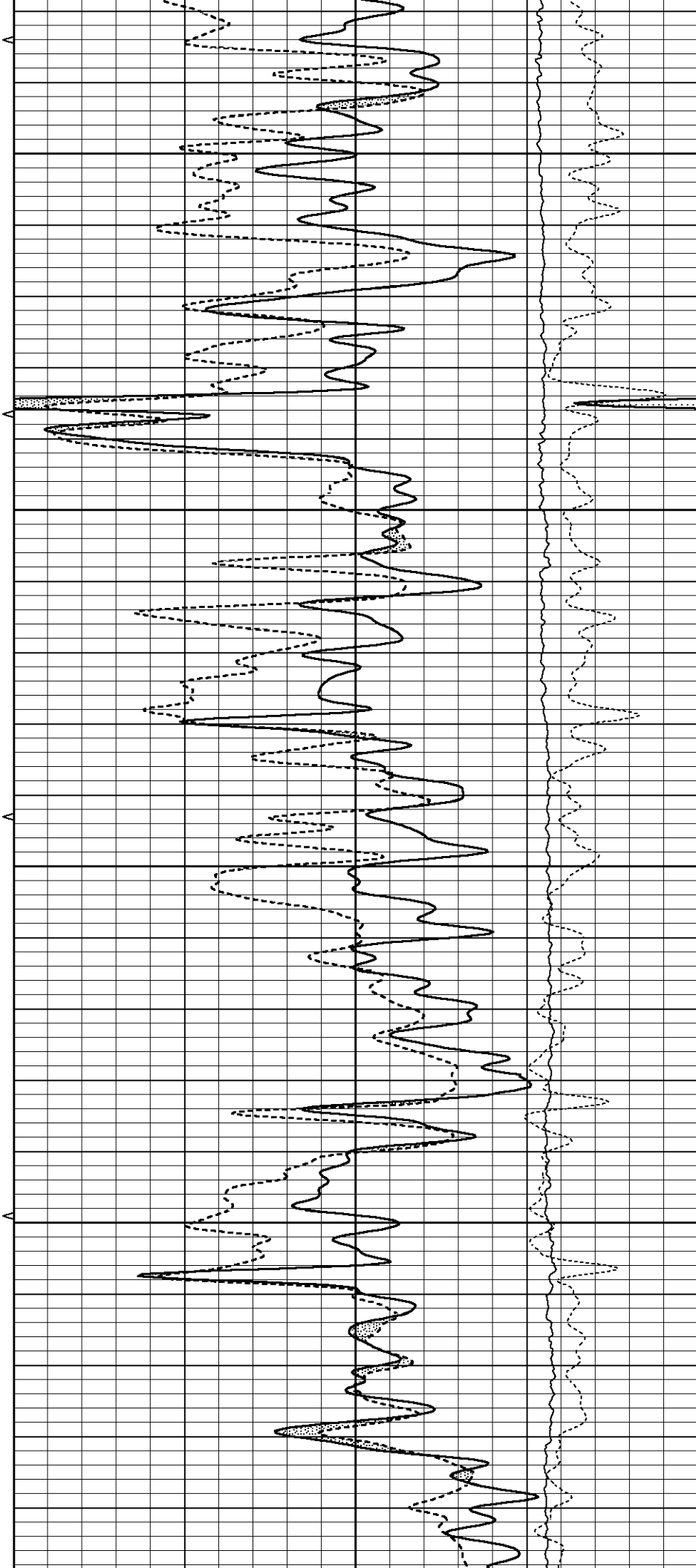


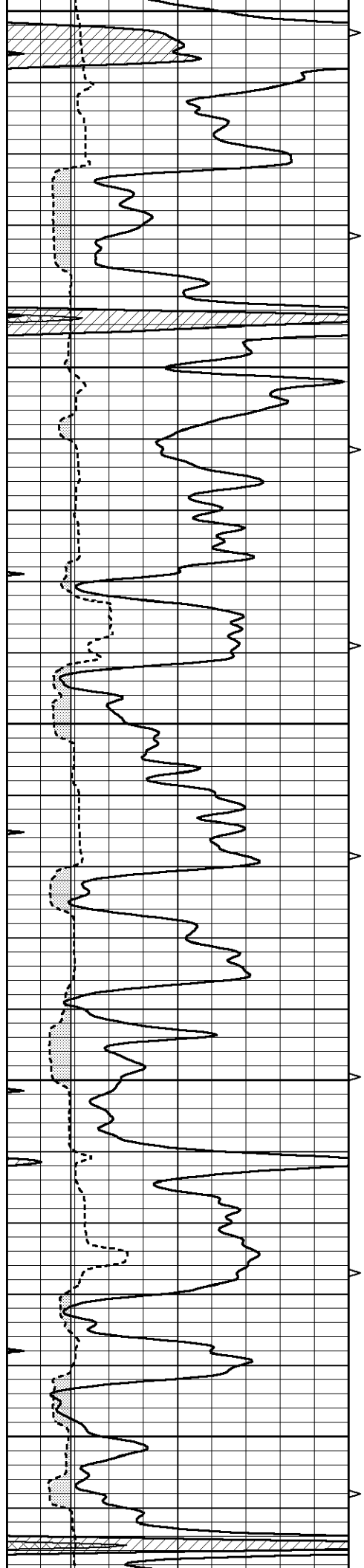
4000

4050

4100

4150





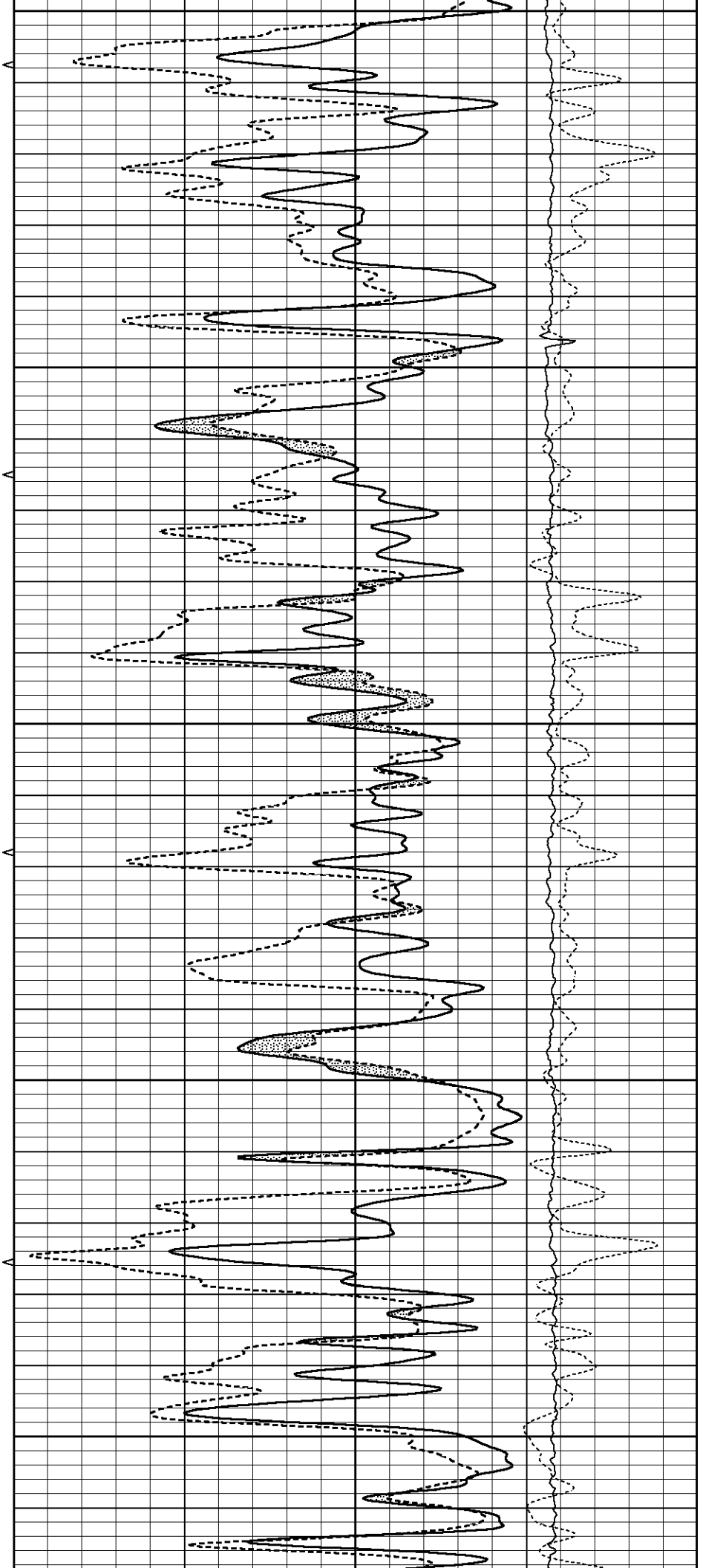
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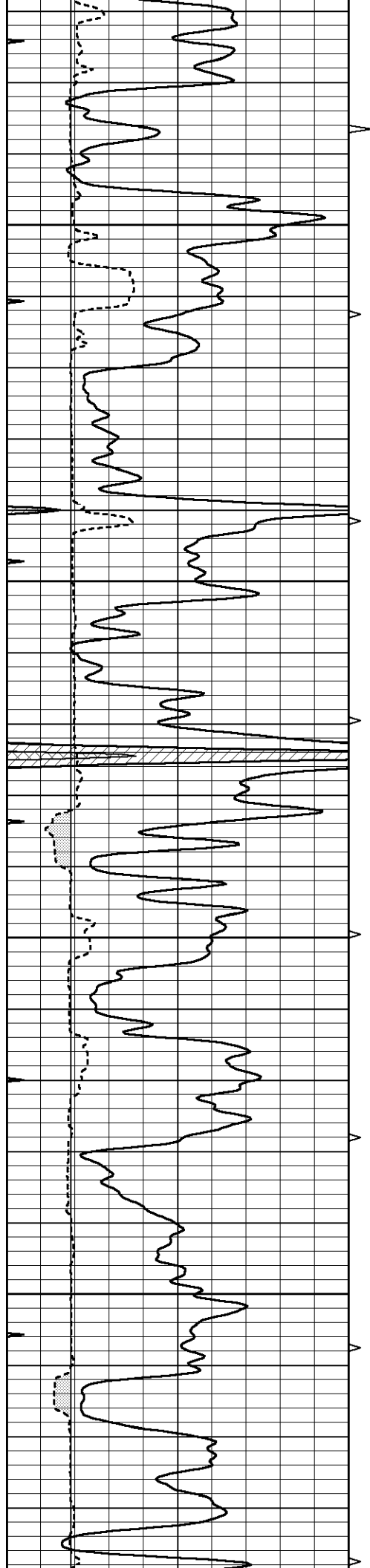
4250

4300

4350

4400



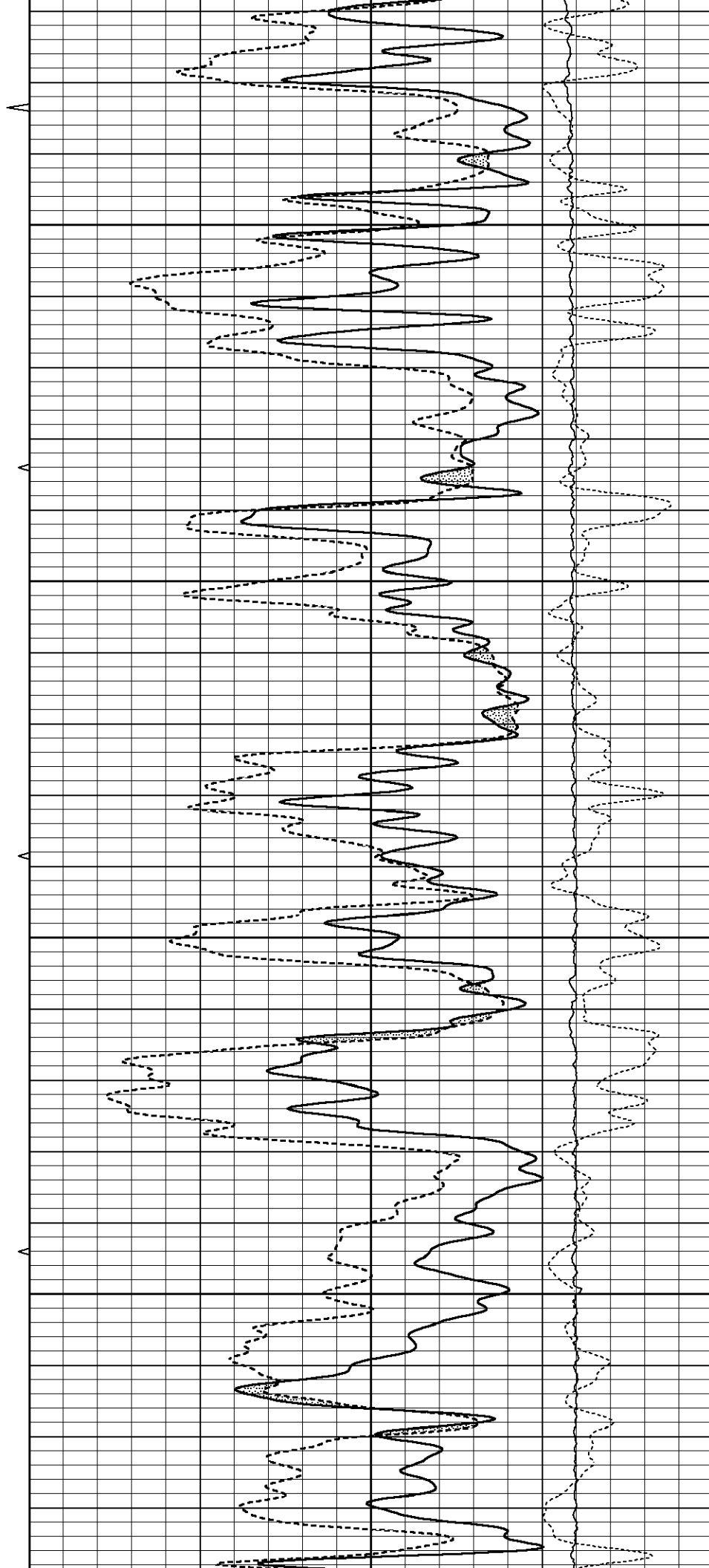


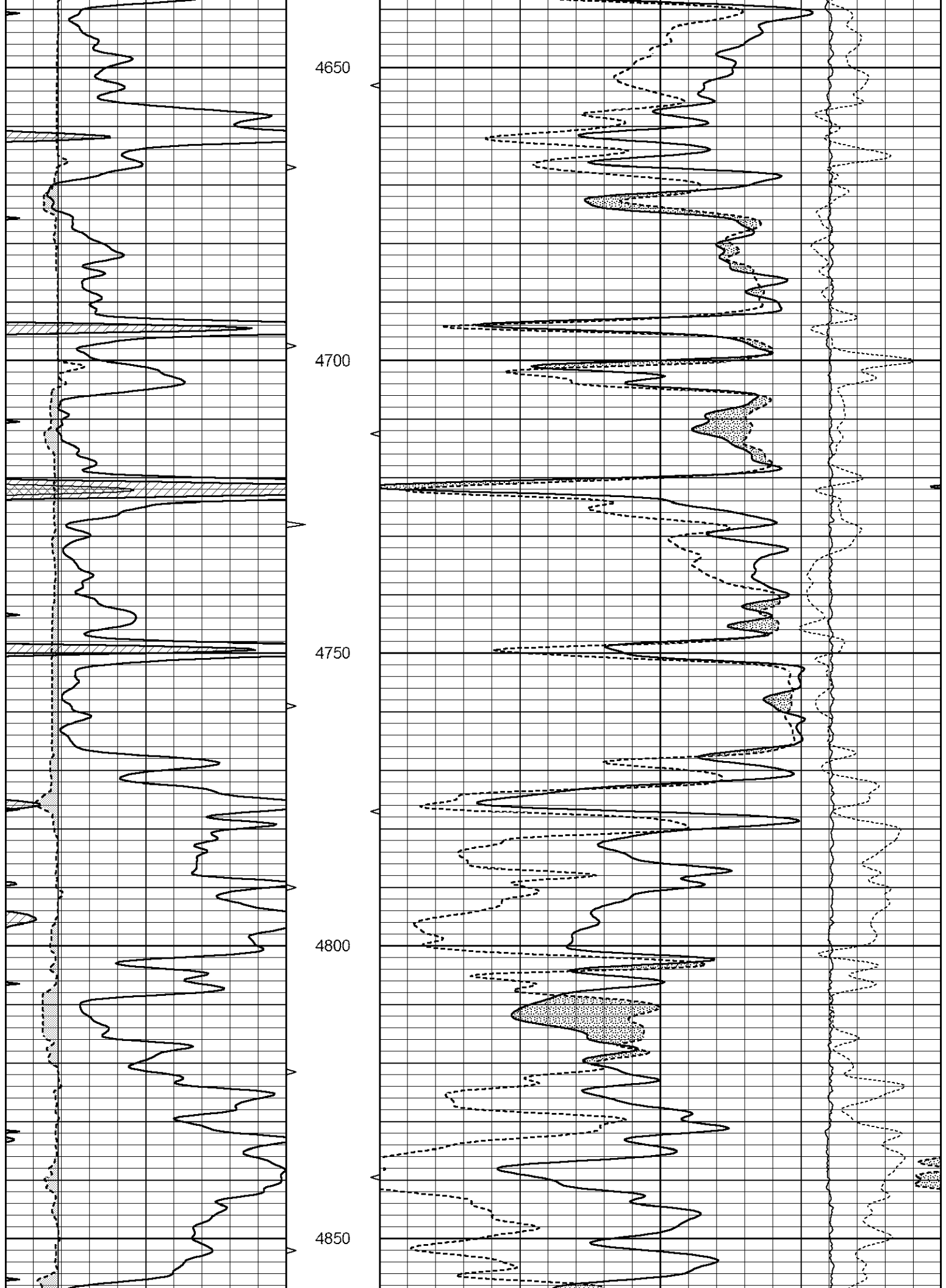
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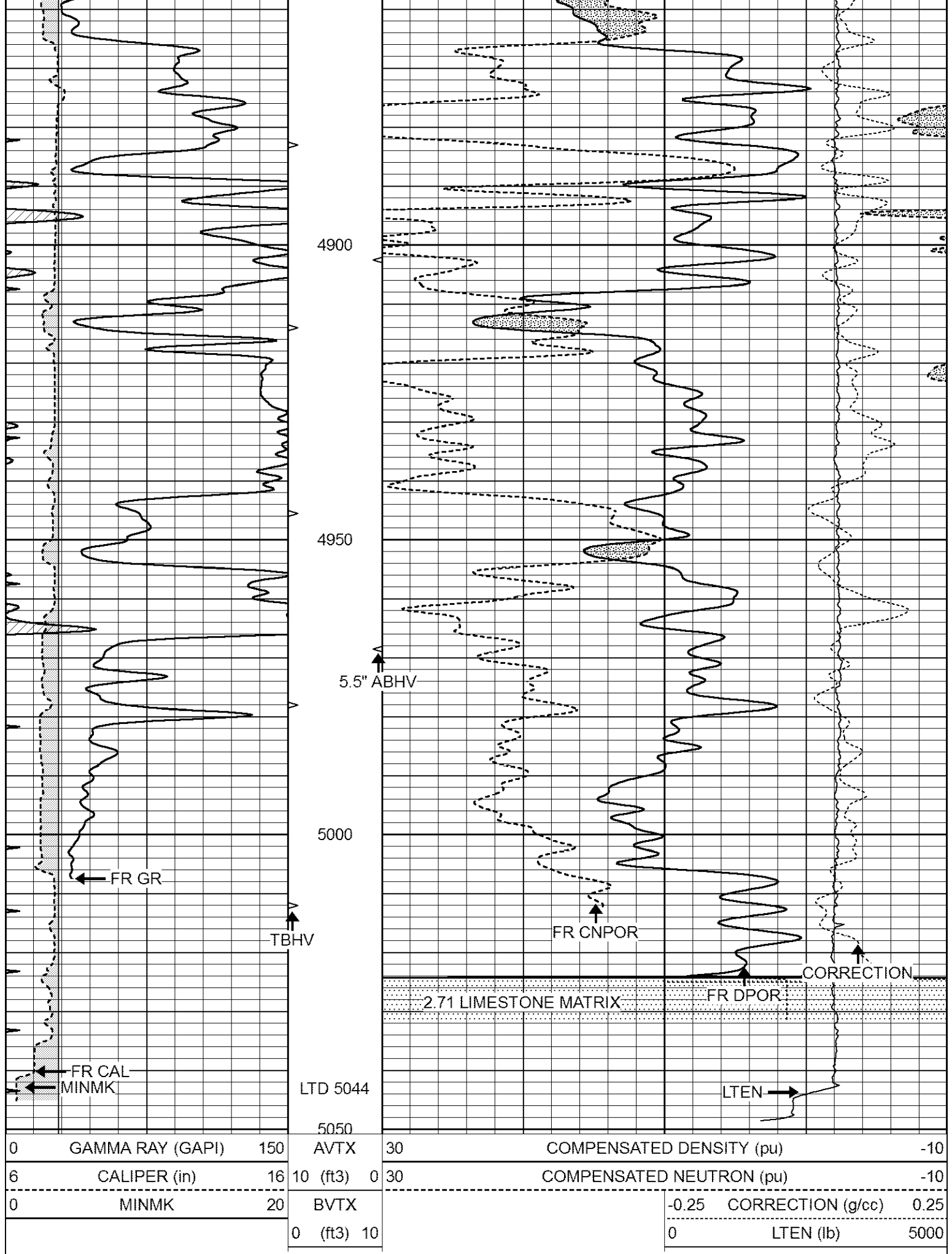
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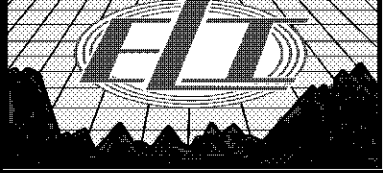
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4600





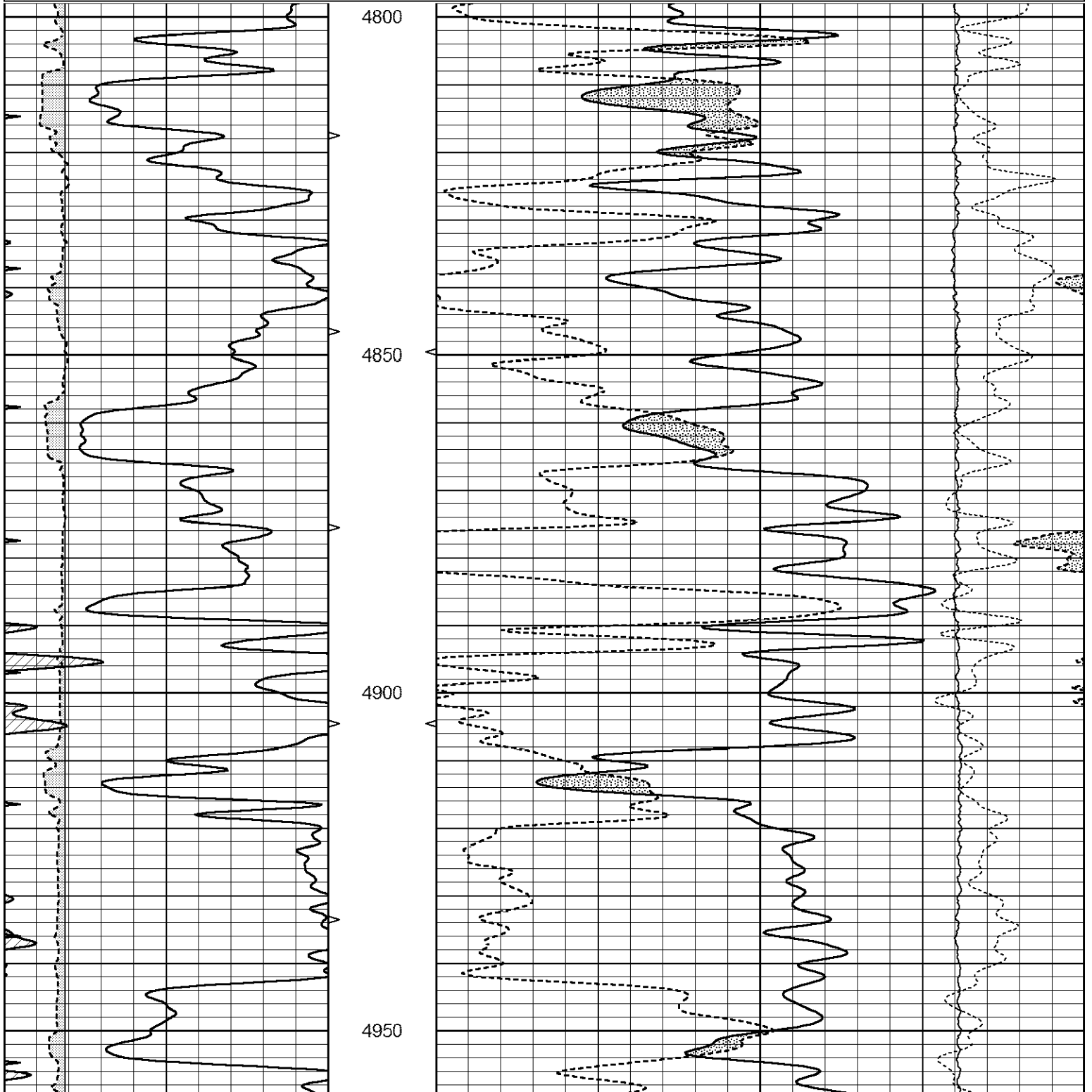


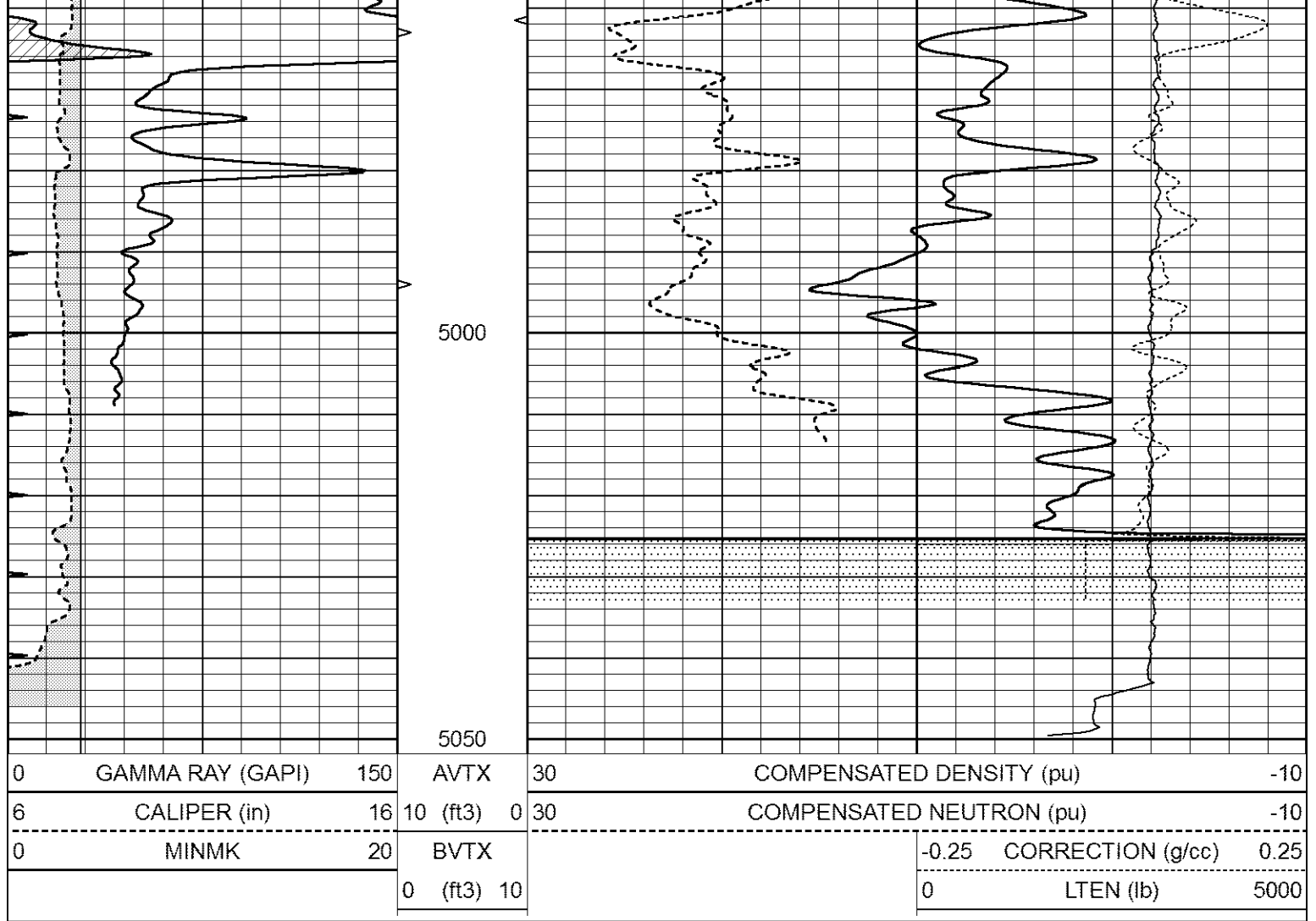


REPEAT SECTION

Database File 7718ddn.db
Dataset Pathname pass3RP
Presentation Format _den_neu
Dataset Creation Sun Sep 03 10:03:56 2023
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		0 LTEN (lb)	5000





Calibration Report										
Database File	7718ddn.db									
Dataset Pathname	pass4DP									
Dataset Creation	Sun Sep 03 10:00:59 2023									
Dual Induction Calibration Report										
Serial-Model:			FW1410-55-Probe							
Surface Cal Performed:			Sat Jul 29 01:57:42 2023							
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	565.000	-11.500		
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	530.000	-13.000		
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								
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Master Calibration				Performed: Fri May 12 10:26:47 2023				
	Background		Aluminum	Magnesium				
Window 1	521.46		5212.91	23528.37		cps		
Window 2	43.81		1175.90	6160.42		cps		
Window 4	226.45		1217.97	4891.35		cps		
Window 5	519.17		8959.34	17037.10		cps		
Window 6	39.35		1453.85	2926.68		cps		
Window 8	253.66		2919.24	5361.51		cps		
Bulk Density	-		2.6020	1.6830		g/cc		
Pe	-		3.0000	2.5070		b/e		
LS Alpha:	: -1.7699		SS Alpha:	: -0.7448		LS CPE:	: 1.1844	
LS Beta:	: 101708.6271		SS Beta:	: 19263.5258		SS CPE:	: 1.5835	

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: Fri May 12 10:26:47 2023				
Results	Readings		References (in)					
	Low	High	Low	High	Gain		Offset	
	7228.5	10151.9	8.0	14.0	0.0		-6.8	

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:	Tue Aug 01 20:36:29 2023		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.4400	GAPI/cps	