



COMPENSATED DENSITY/NEUTRON LOG

Company	MTM PETROLEUM, INC.	Company	MTM PETROLEUM, INC.
Well	J. ALBERS#1 OWWO	Well	J. ALBERS#1 OWWO
Field	KOMAREK	Field	KOMAREK
County	KINGMAN	County	KINGMAN
State	KANSAS	State	KANSAS
Location:	API # : 15-095-21375-0001 710' FSL & 1940' FWL	Other Services DIL/MEL	
Permanent Datum	SEC 10 TWP 29S RGE 10W	Elevation	
Log Measured From	GROUND LEVEL Elevation 1725 KELLY BUSHING 7' A.G.L	K.B. 1732 D.F. 1730 G.L. 1725	
Drilling Measured From	KELLY BUSHING		
Date	11/02/21		
Run Number	ONE		
Depth Driller	4665		
Depth Logger	4663		
Bottom Logged Interval	4643		
Top Log Interval	3400		
Casing Driller	8 5/8" @ 292		
Casing Logger	292		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5300 PPM	
Density / Viscosity	9.2/47		
pH / Fluid Loss	10.5/9.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.75 @ 62F		
Rmf @ Meas. Temp	0.56 @ 62F		
Rmc @ Meas. Temp	.90 @ 62F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	0.25 @ 122F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	122F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	T. WILLIAMS		

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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

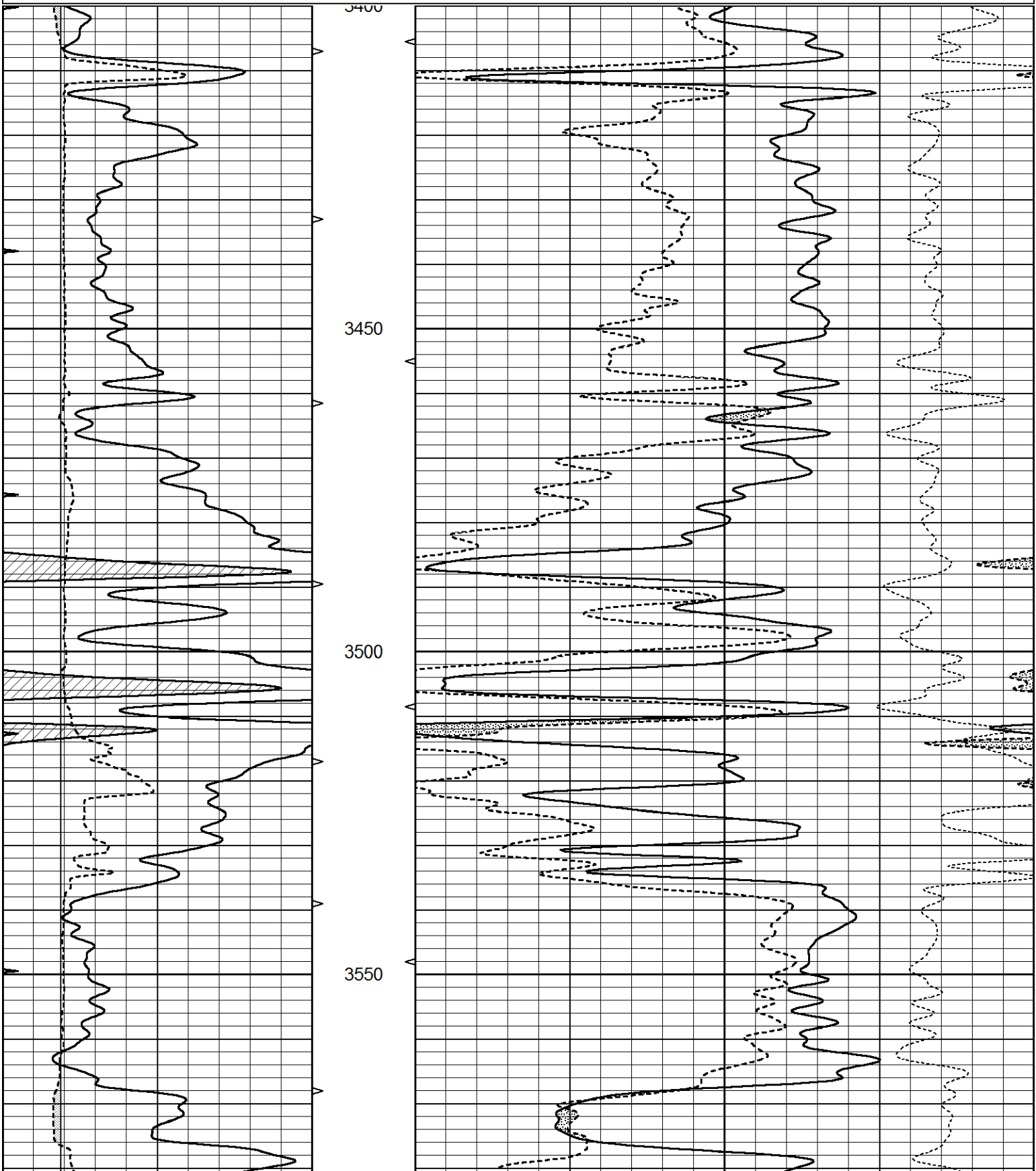
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
ST. LEO 1/2 EAST, NORTH INTO.

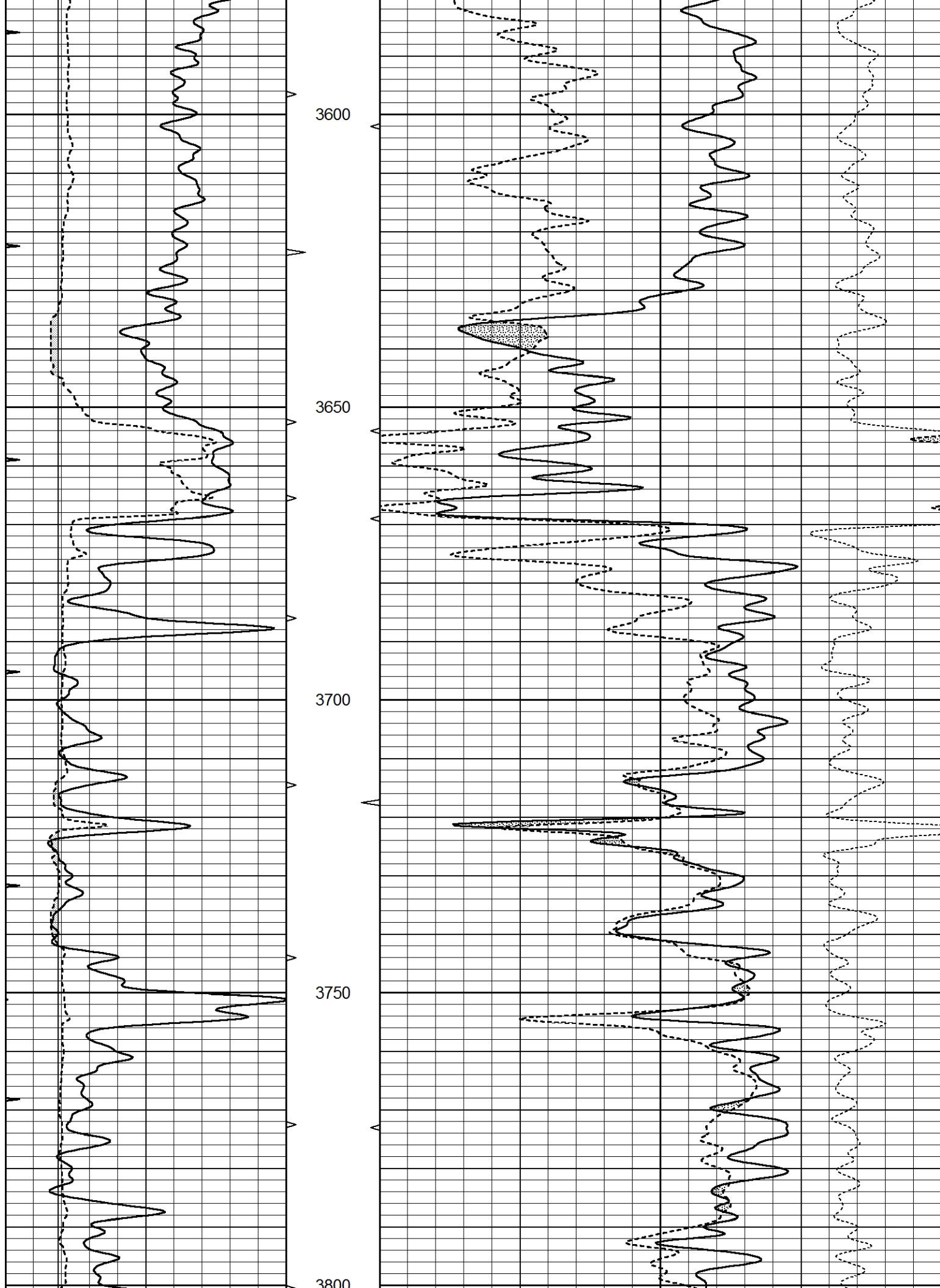


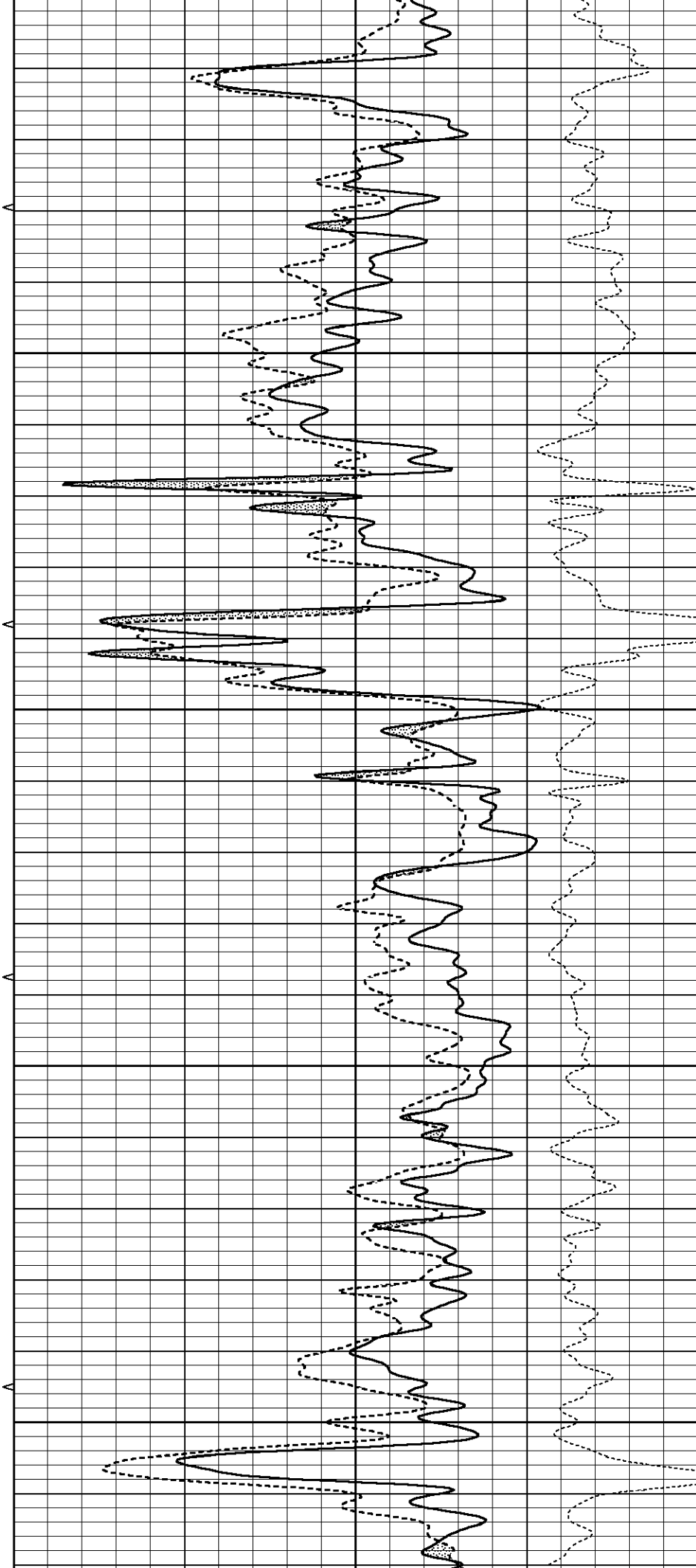
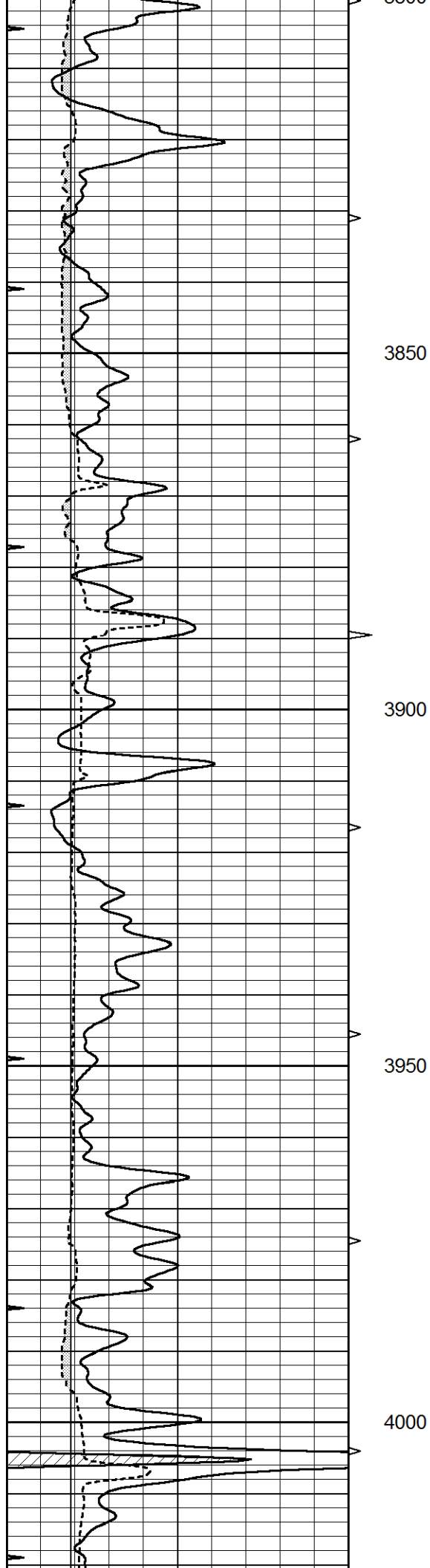
MAIN PASS

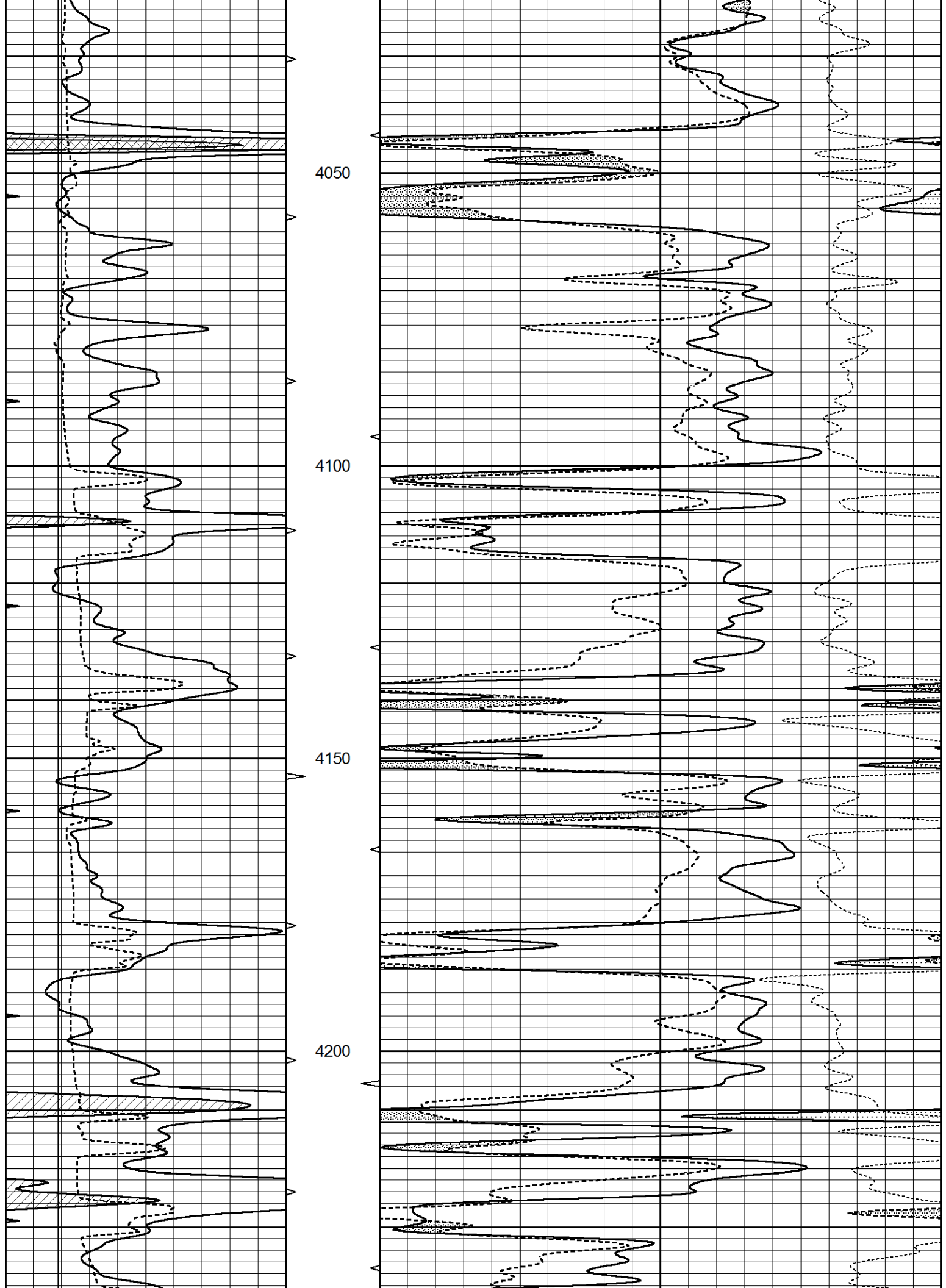
Database File	5870ddn.db
Dataset Pathname	pass4.1
Presentation Format	_den_neu
Dataset Creation	Tue Nov 02 08:57:08 2021
Charted by	Depth in Feet scaled 1:240

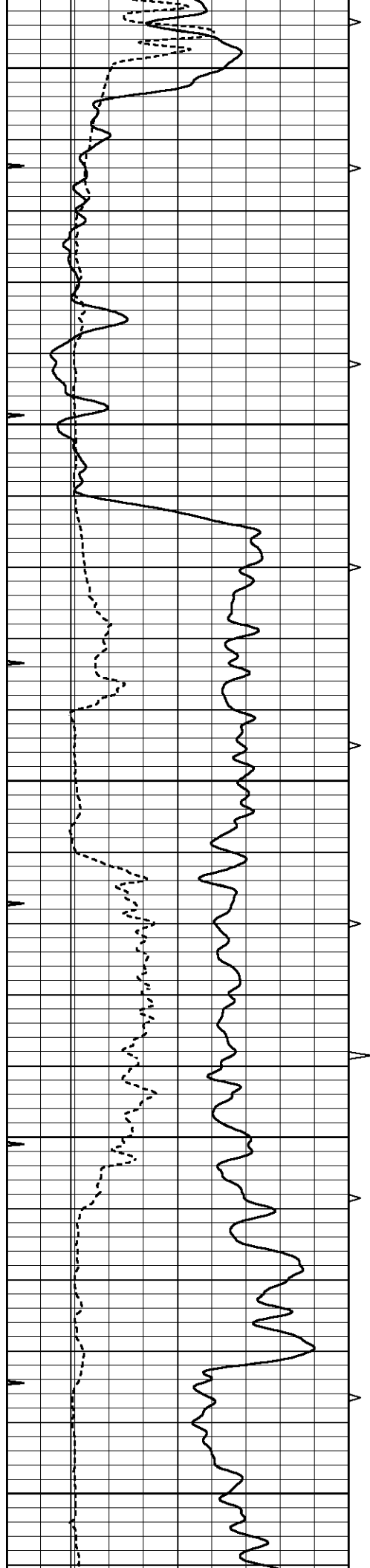
0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	BVTX		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10			











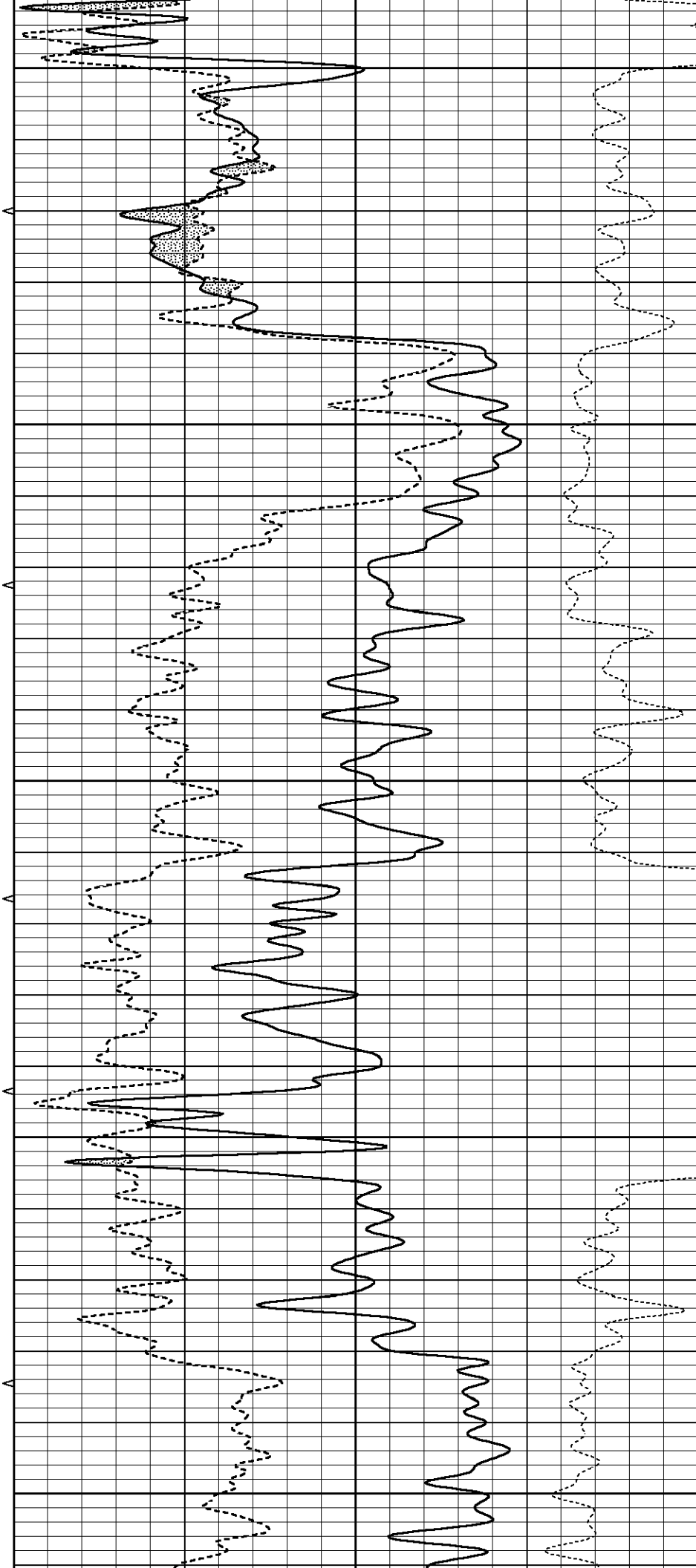
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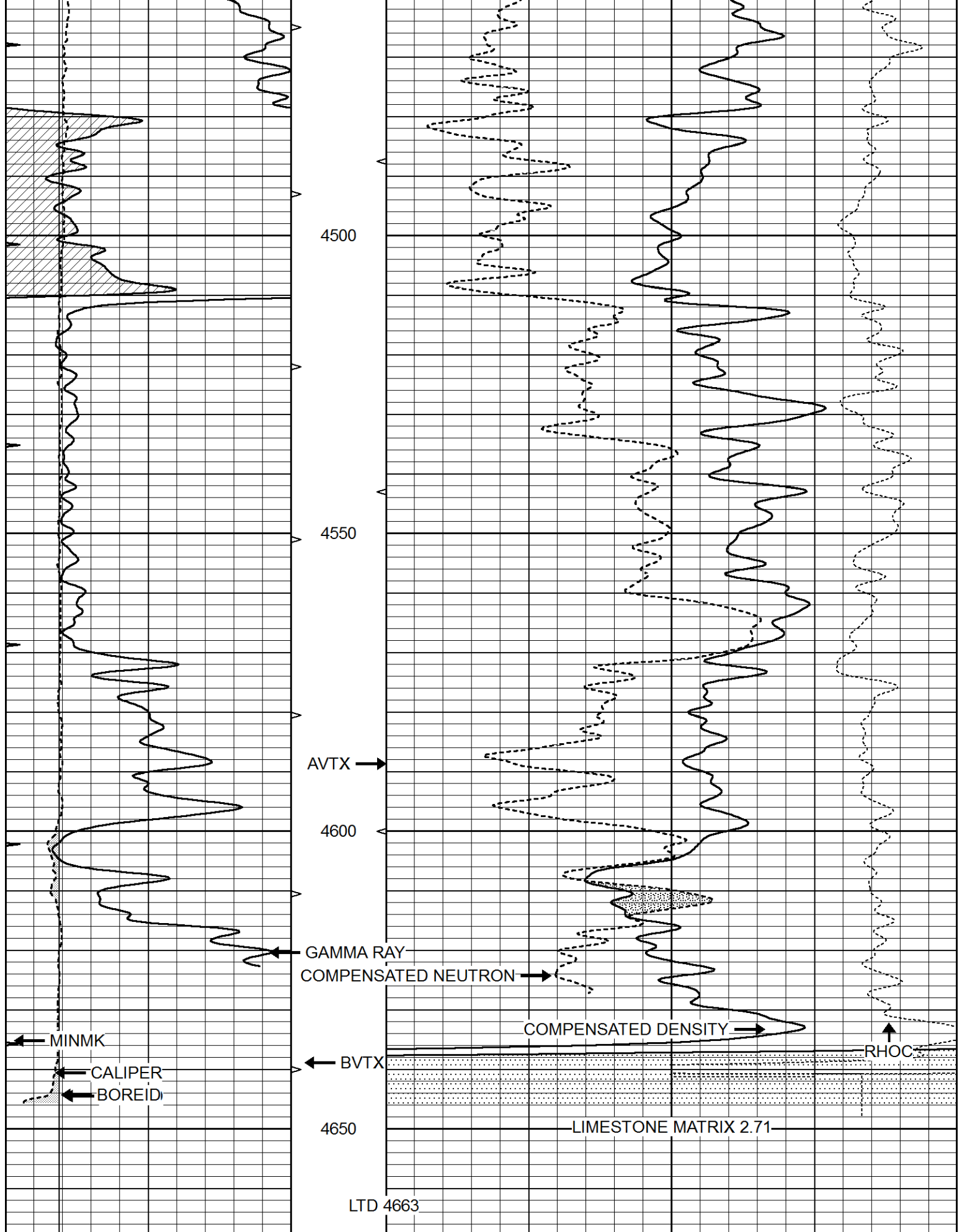
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4350

4400

4450





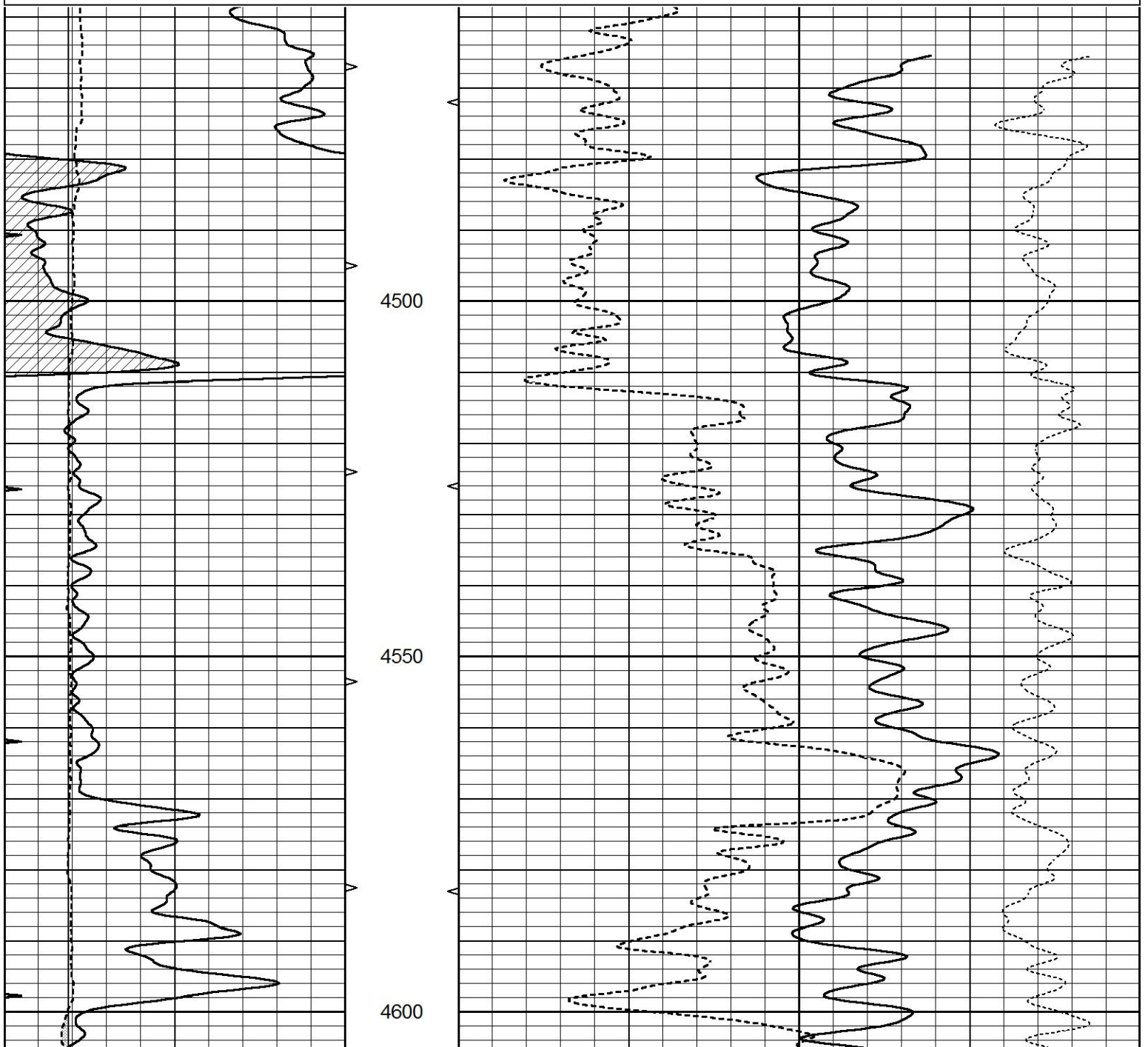
0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	BVTX		-0.25 CORRECTION (a/cc)	0.25

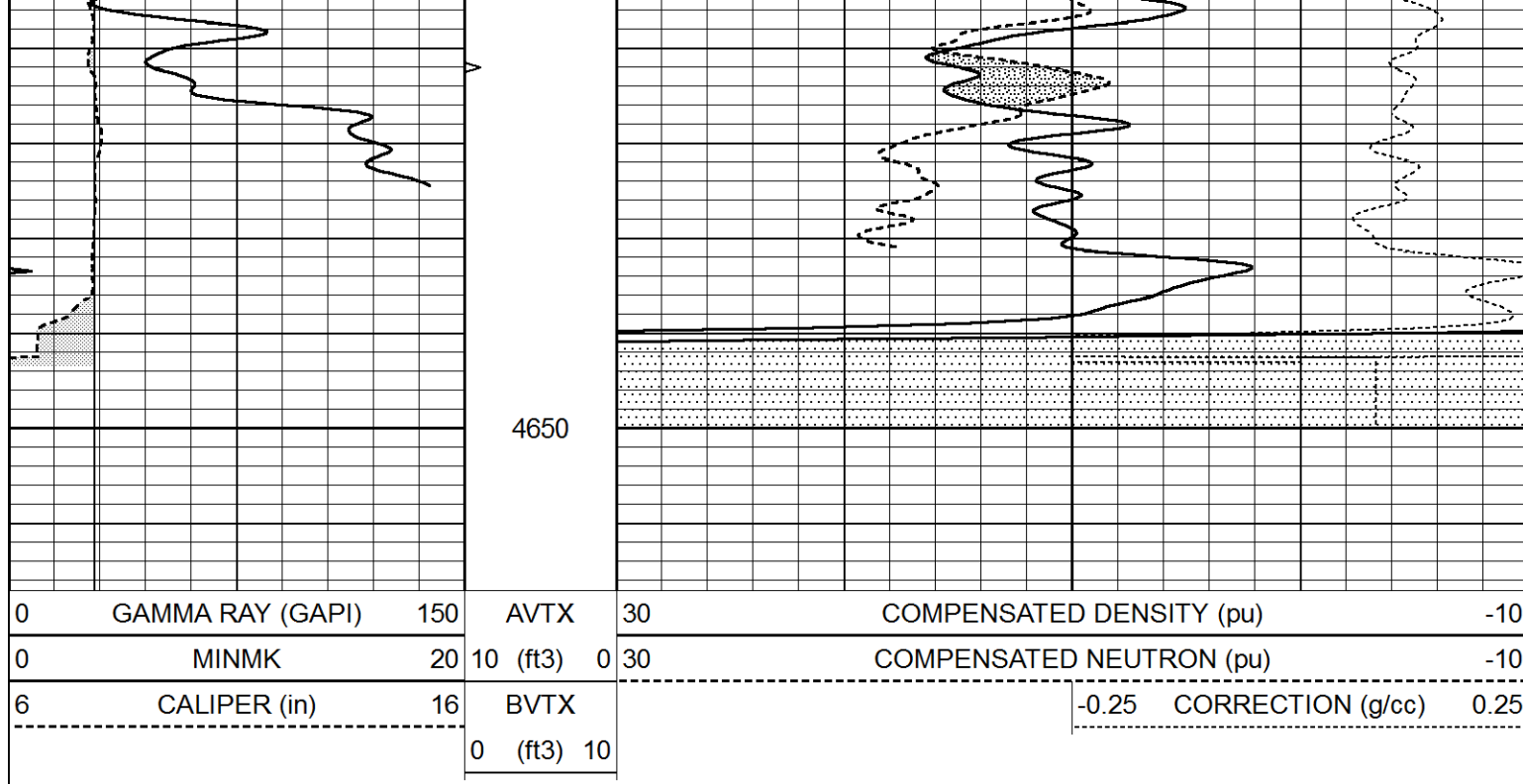


REPEAT PASS

Database File 5870ddn.db
Dataset Pathname pass2RP
Presentation Format _den_neu
Dataset Creation Tue Nov 02 09:06:38 2021
Charted by Depth in Feet scaled 1:240

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





Calibration Report									
Database File	5870ddn.db								
Dataset Pathname	pass2RP								
Dataset Creation	Tue Nov 02 09:06:38 2021								
Dual Induction Calibration Report									
Serial-Model:					FW1410-55-Probe				
Surface Cal Performed:					Tue Feb 19 11:44:18 2019				
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	618.595	-5.524	
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	1.197	
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: 140703 Model: V4_10P Source Number: 74GBq-19								
Master Calibration			Performed: Wed Dec 02 12:04:44 2020					
	Background		Aluminum		Magnesium			
Window 1	595.38		5386.50		23898.92	cps		
Window 2	52.78		1248.21		5993.75	cps		
Window 4	251.36		1200.30		5155.55	cps		
Window 5	545.15		9066.30		17240.12	cps		
Window 6	43.35		1491.73		2929.24	cps		
Window 8	258.76		2917.82		5450.26	cps		
Bulk Density	-		2.6020		1.6830	g/cc		
Pe	-		3.0000		2.5070	b/e		
LS Alpha:	: -1.8726		SS Alpha:	: -0.7656		LS CPE:	: 1.0742	
LS Beta:	: 127345.0723		SS Beta:	: 20293.3834		SS CPE:	: 1.5427	
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: Wed Dec 02 12:04:44 2020					
Results	Readings		References (in)					
Low	High		Low	High		Gain	Offset	
10178.8	13388.4		8.0	14.0		0.0	-10.4	
Before Survey Caliper Verification			Performed:					
	Reference		Reading					
Caliper (in)								
After Survey Caliper Verification			Performed:					

	Reference	Reading
Caliper (in)		
Compensated Neutron Calibration Report		
	Serial Number: Tool Model:	080621PMC 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 Jan 19 17:50:08 2021	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.5300	GAPI/cps