



COMPENSATED DENSITY / NEUTRON LOG

Company	MAI OIL OPERATIONS, INC.	Company	MAI OIL OPERATIONS, INC.
Well	F.V. RIEDEL "A" #4	Well	F.V. RIEDEL "A" #4
Field	BOYD	Field	BOYD
County	BARTON	County	BARTON
State	KANSAS	State	KANSAS
Location:	API # : 15-009-26302-0000	Other Services DIL/MEL SONIC	
Permanent Datum	GROUND LEVEL	Elevation	1936
Log Measured From	KELLY BUSHING	Elevation	1946
Drilling Measured From	KELLY BUSHING	D.F.	1944
		G.L.	1936
SEC 4	TWP 18S	RGE	14W
455' FNL & 1035' FWL			
SE - NE - NW - NW			
SEC 4	TWP 18S	RGE	14W
Top Log Interval	2700		
Bottom Logged Interval	3496		
Depth Logger	3520		
Depth Driller	3515		
Run Number	ONE		
Date	5/12/21		
Casing Driller	8 5/8"@930'		
Casing Logger	934		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES	3,500 PPM
Density / Viscosity	9.1/42		
pH / Fluid Loss	9.5/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.570@85F		
Rmf @ Meas. Temp	.428@85F		
Rmc @ Meas. Temp	.684@85F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.433@112F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	2:00 P.M.		
Maximum Recorded Temperature	112F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	JIM MUSGROVE		

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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.

15-009-26302-0000

Comments

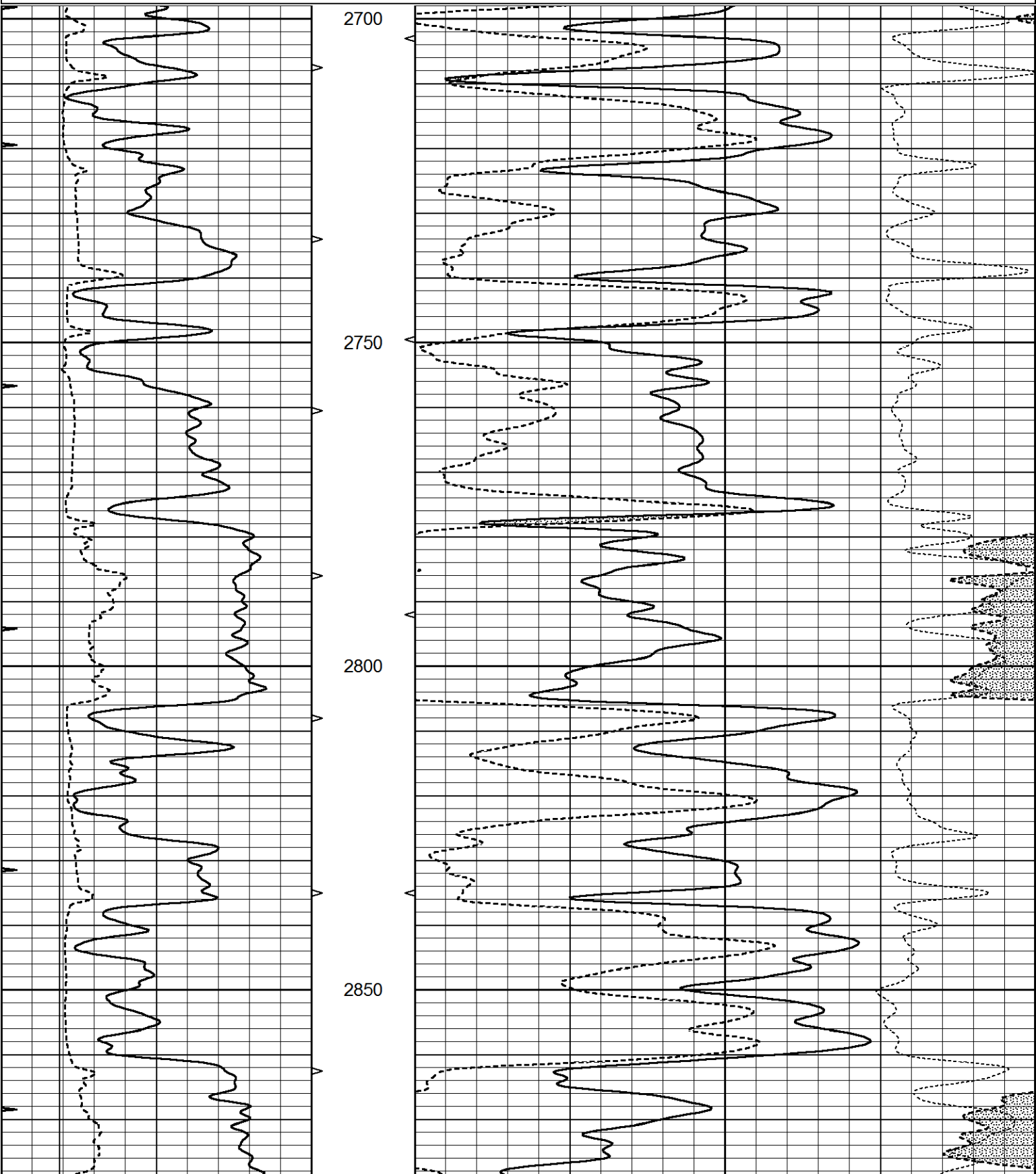
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
W. OF HOISINGTON, KS. TO (HWY 281 & 4 JUNCTION) 1S., 1 3/4W., S. INTO

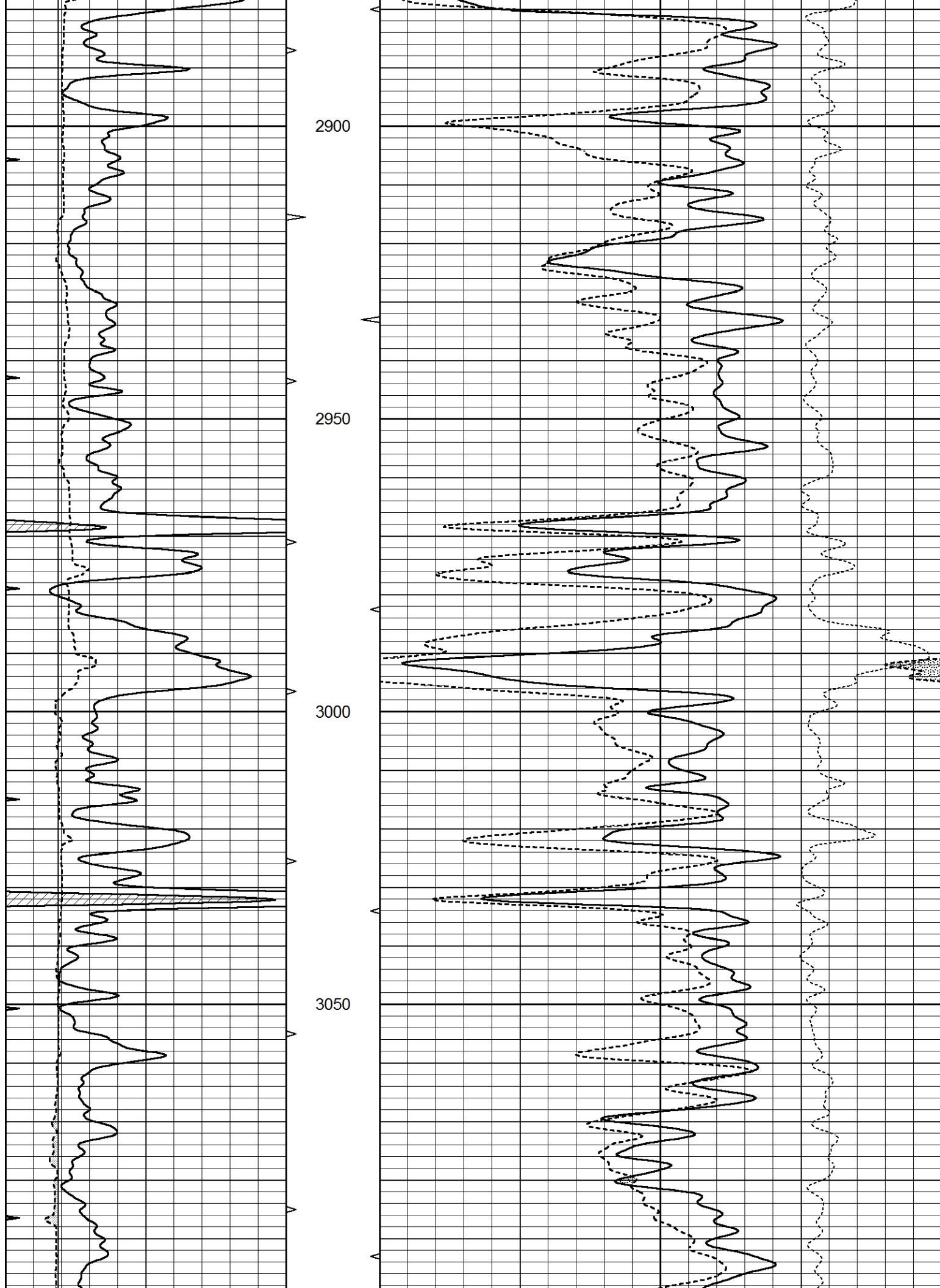


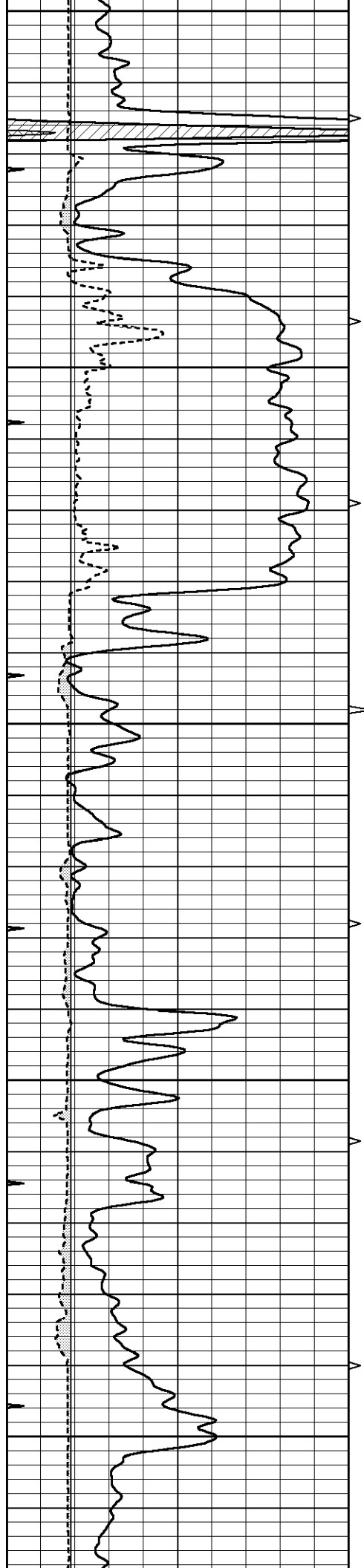
MAIN SECTION

Database File	5270ddn.db
Dataset Pathname	pass3.1M
Presentation Format	den_neu
Dataset Creation	Wed May 12 15:32:29 2021
Charted by	Depth in Feet scaled 1:240

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







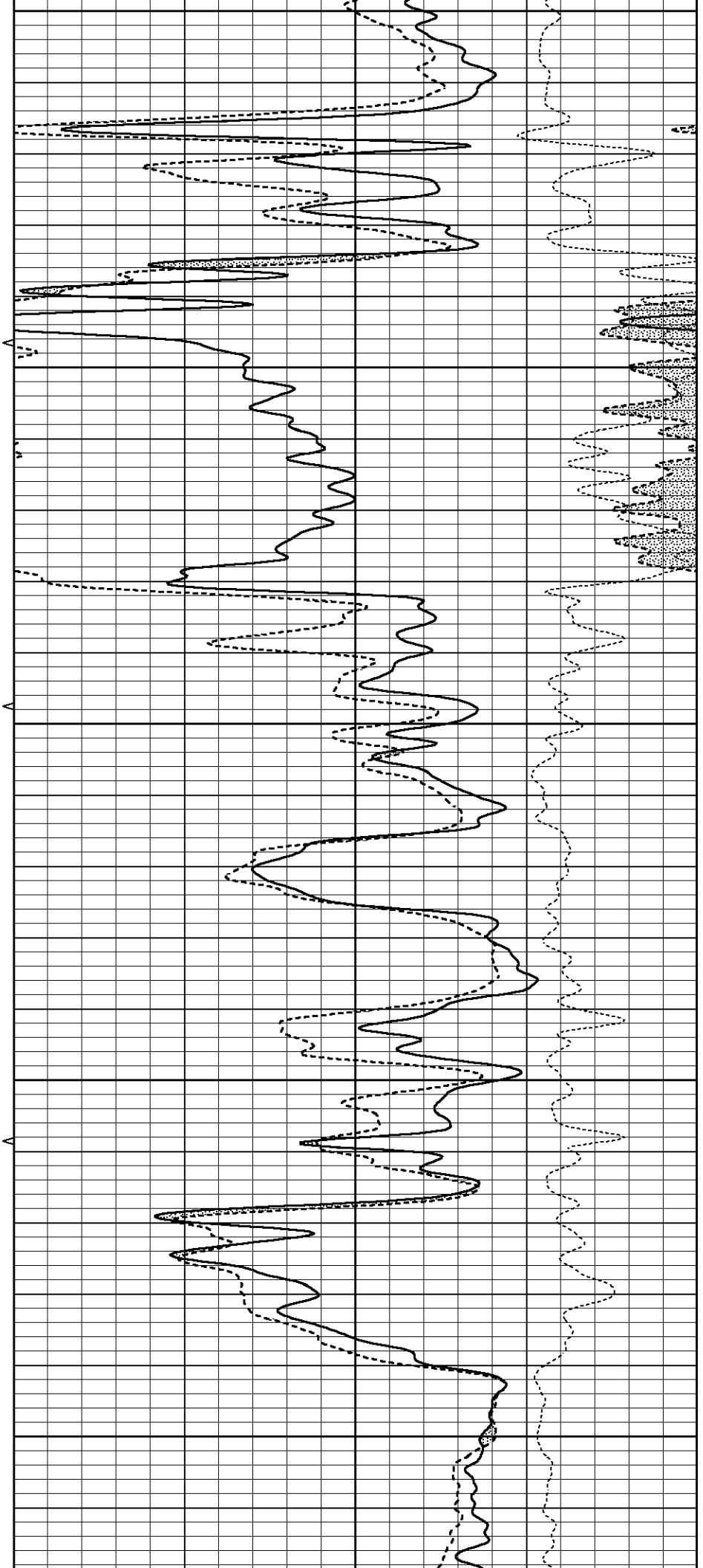
3100

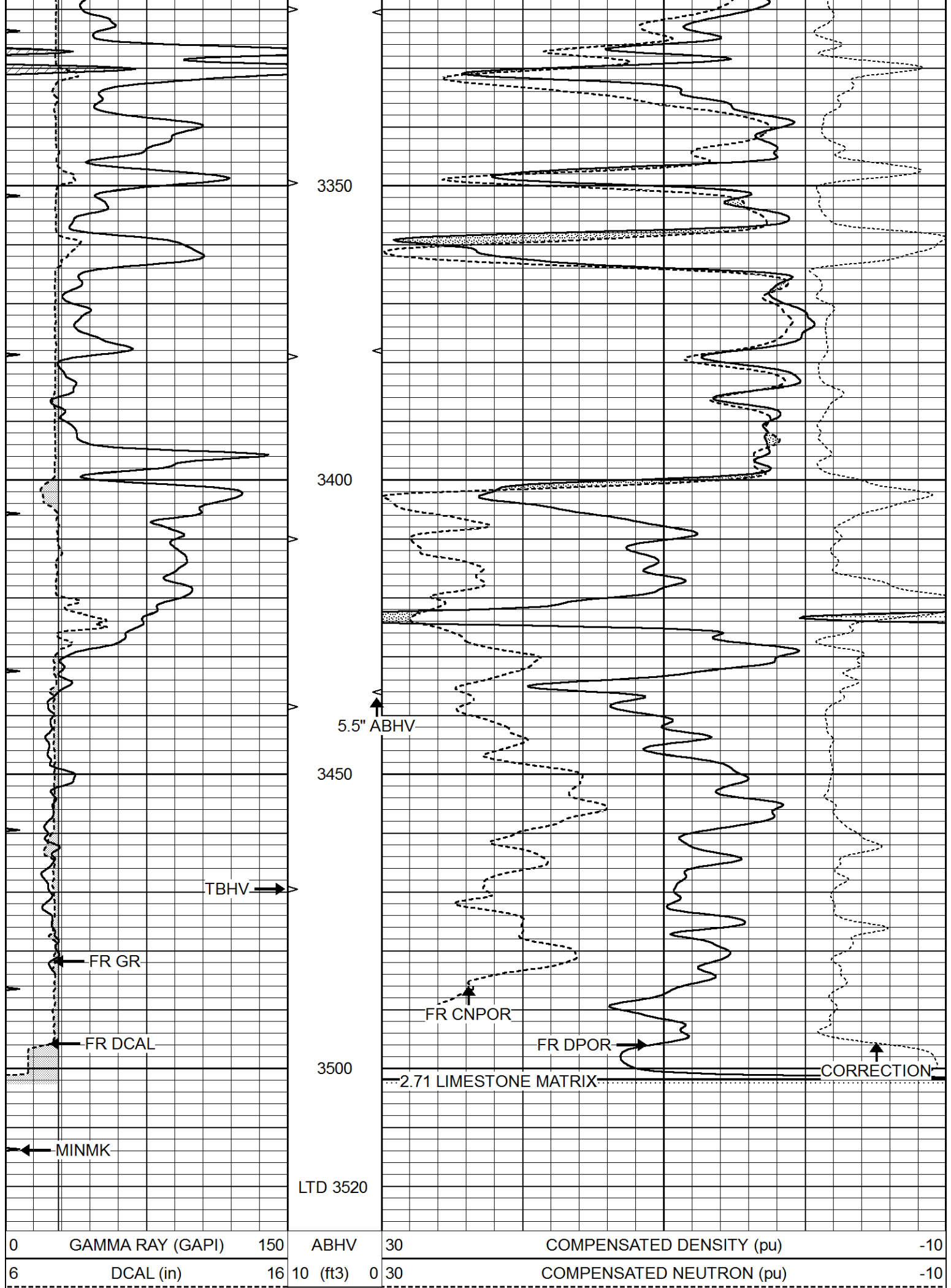
3150

3200

3250

3300





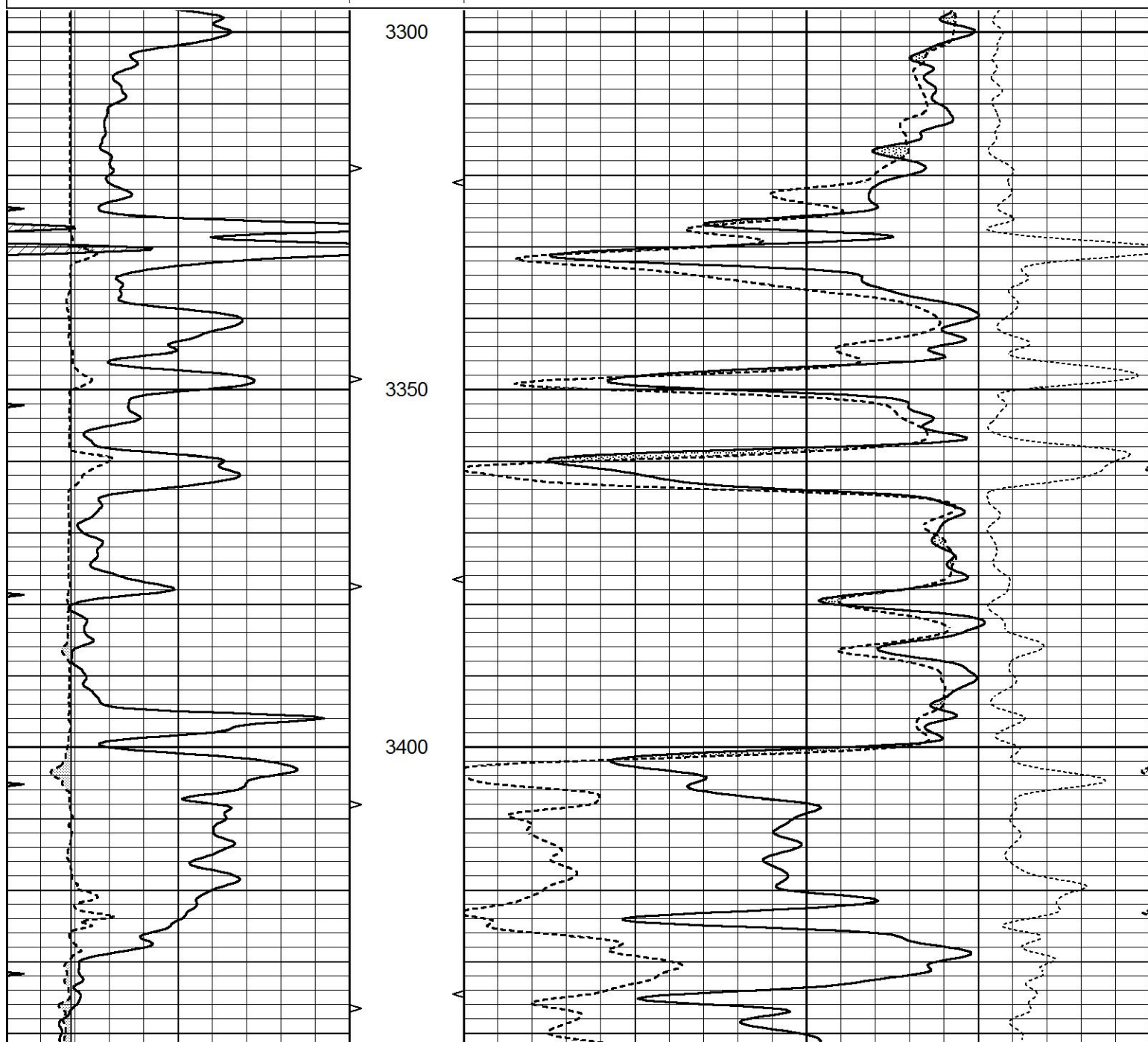
0	MINMK	20	TBHV	-0.25	CORRECTION (g/cc)	0.25
		0	(ft3) 10			

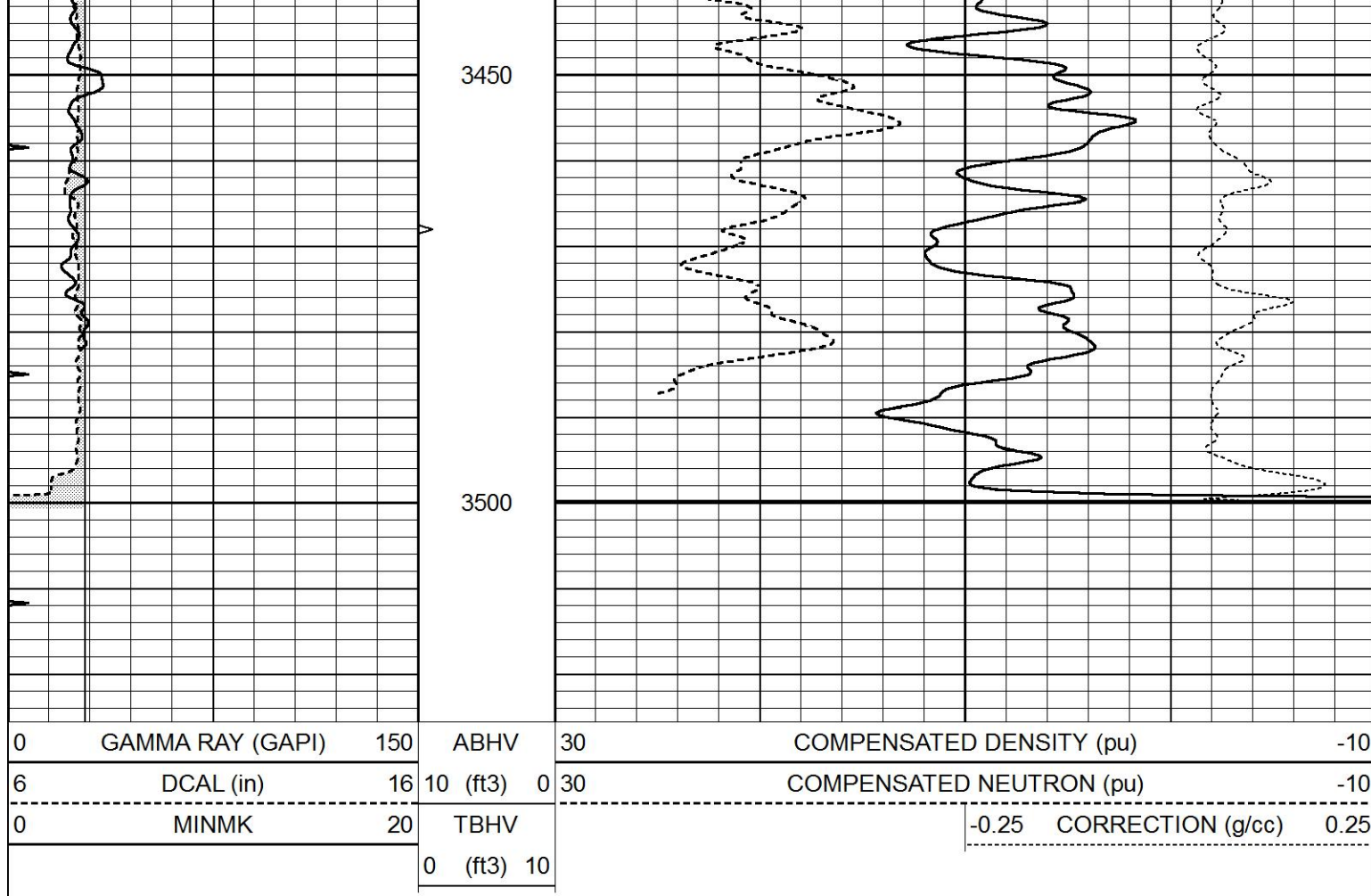


REPEAT SECTION

Database File 5270ddn.db
 Dataset Pathname pass2.1R
 Presentation Format den_neu
 Dataset Creation Wed May 12 15:33:09 2021
 Charted by Depth in Feet scaled 1:240

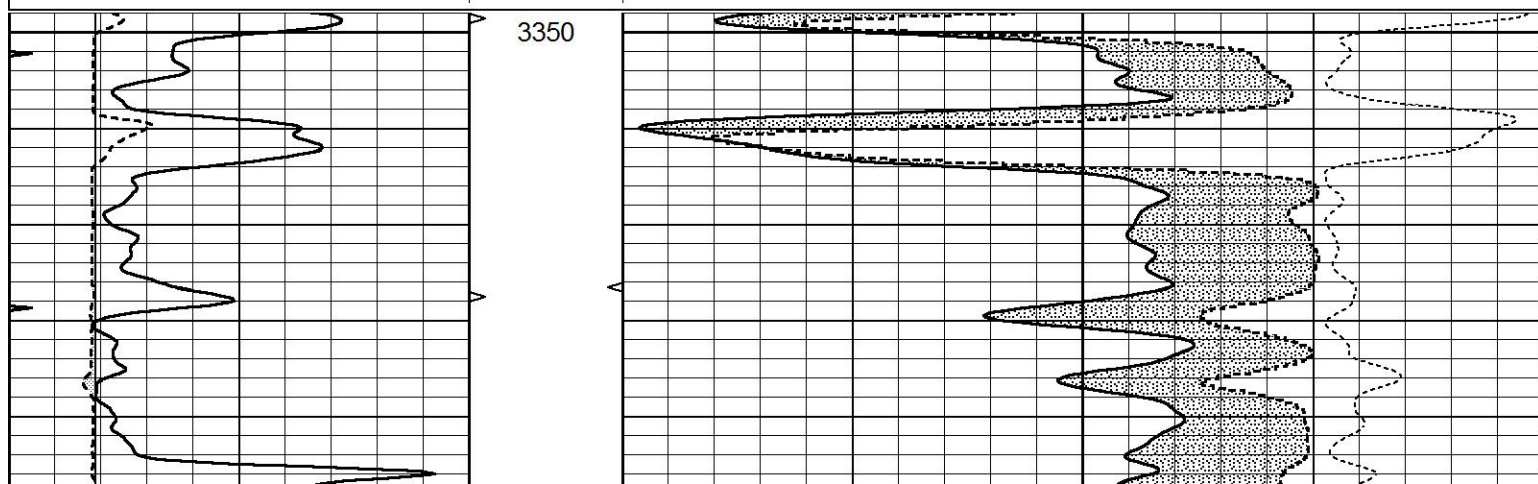
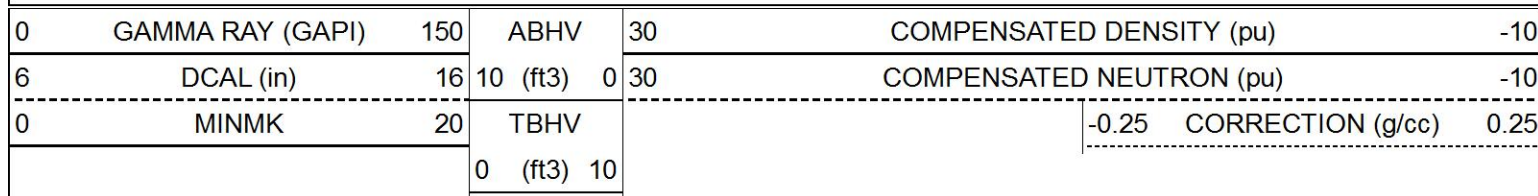
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	DCAL (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25	CORRECTION (g/cc) 0.25
			0 (ft3) 10			

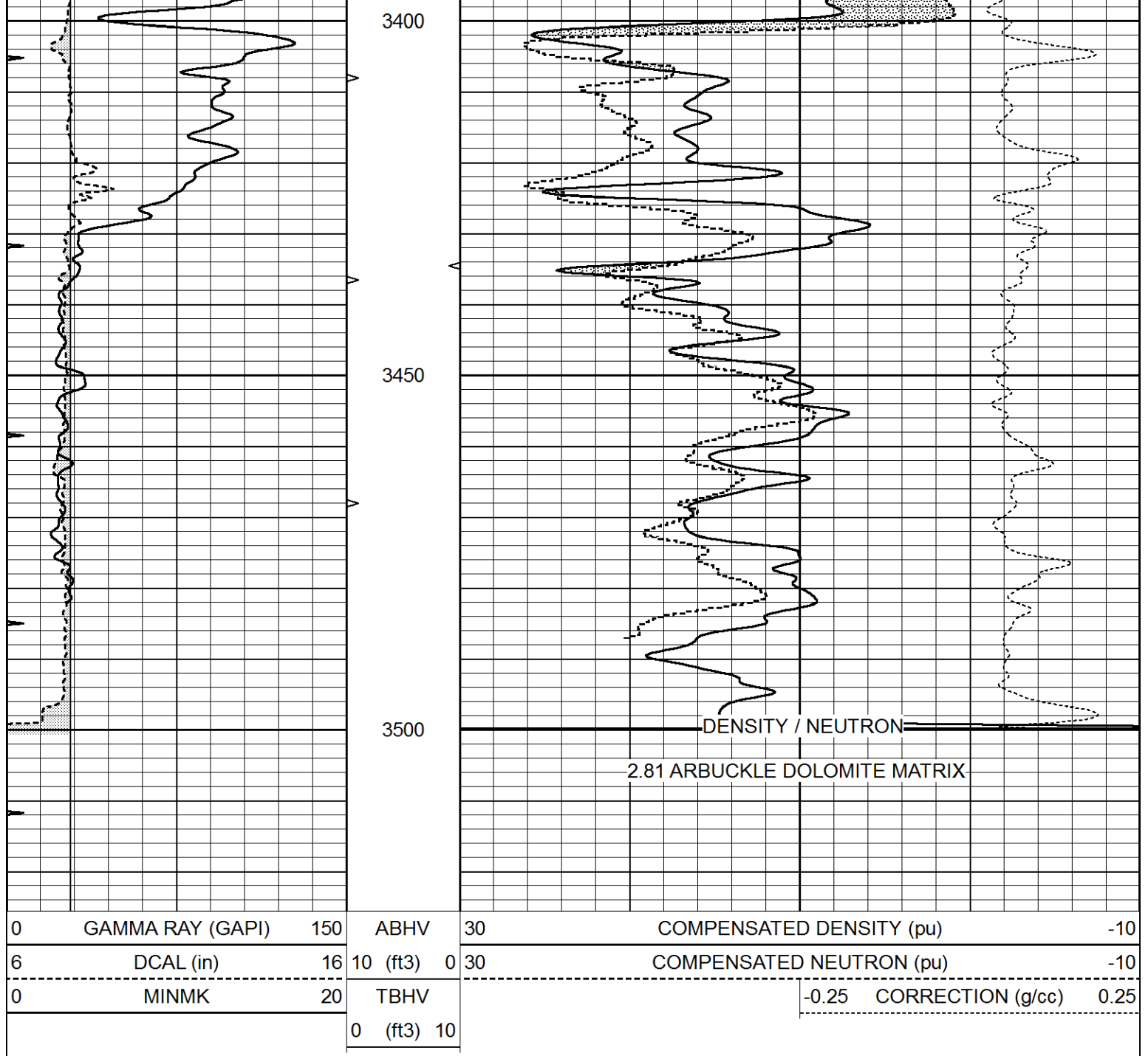




DOLOMITE MATRIX

Database File 5270ddn.db
 Dataset Pathname pass2.1D
 Presentation Format den_neu
 Dataset Creation Wed May 12 14:39:25 2021
 Charted by Depth in Feet scaled 1:240





Calibration Report								
Database File	5270ddn.db							
Dataset Pathname	pass3.1M							
Dataset Creation	Wed May 12 15:32:29 2021							
Dual Induction Calibration Report								
Serial-Model:			PROBE9-DILG					
Surface Cal Performed:			Wed May 12 14:07:01 2021					
Downhole Cal Performed:			Wed Mar 11 11:31:19 2020					
After Survey Verification Performed:			Wed Mar 11 11:31:22 2020					
Surface Calibration								
Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	650.000	-12.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	720.000	-10.000

Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102
Downhole Calibration								
	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		4000.000	mmho-m		
After Survey Verification								
	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		
Litho Density Calibration Report Serial: 003 Model: PRB								
Master Calibration			Performed Fri Mar 05 10:51:07 2021					
	Background	Magnesium		Aluminum		Aluminum+Fe		
Window 1	1570.6	10682.1		3457.0		3096.9		cps
Window 2	1451.7	9432.7		3101.4		2816.5		cps
Window 3	1334.0	7160.6		2532.0		2369.3		cps
Window 4	370.4	373.1		366.4		370.9		cps
Long Space	0.0	7981.0		1649.7		1364.8		cps
Short Space	2.8	3522.0		2211.0		1823.6		cps
Rho		1.7100		2.5900		0.0000		g/cc
Pe		2.0000		2.7500		5.7900		
Rib Angle	: 43.5	Rib Slope	: 0.951	Density/Spine Ratio			: 0.535	
Spine Angle	: 73.5	Spine Slope	: 3.386	Spine Intercept			: -18.7	
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 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:	070808PMC
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:	070558	
Tool Model:	OPEN_GR	
Performed:	Fri Apr 16 13:57:16 2021	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.3000	GAPI/cps