



COMPENSATED DENSITY/NEUTRON LOG

Company MAI OIL OPERATIONS, INC.

Well BARNES TRUST #2

Field UNNAMED

County BARTON State KANSAS

Location: API #: 15-009-26416-0000

2220 FSL & 2200 FWL
SW - NE - NE - SW

SEC 33 TWP 17S RGE 15W

Permanent Datum GROUND LEVEL Elevation 1989

Log Measured From KELLY BUSHING 10' A.G.L.
Drilling Measured From KELLY BUSHING

DIL

Elevation

K.B. 1999
D.F. 1997
G.L. 1989

Date 5/2/24

Run Number ONE

Depth Driller 3590

Depth Logger 3590

Bottom Logged Interval 3566

Top Log Interval 2900

Casing Driller 8.625 @ 1023

Casing Logger 1023

Bit Size 7.875

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.4/52

pH / Fluid Loss 9.0/11

Source of Sample FLOWLINE

Rm @ Meas. Temp 1.80 @ 70F

Rmf @ Meas. Temp 1.35 @ 70F

Rmc @ Meas. Temp 2.16 @ 70F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT 1.13 @ 112F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom 8.45 A.M.

Maximum Recorded Temperature 112F

Equipment Number 3802

Location HAYS, KANSAS

Recorded By COLE ROBBEN

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.

Comments

THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395

DIRECTIONS:

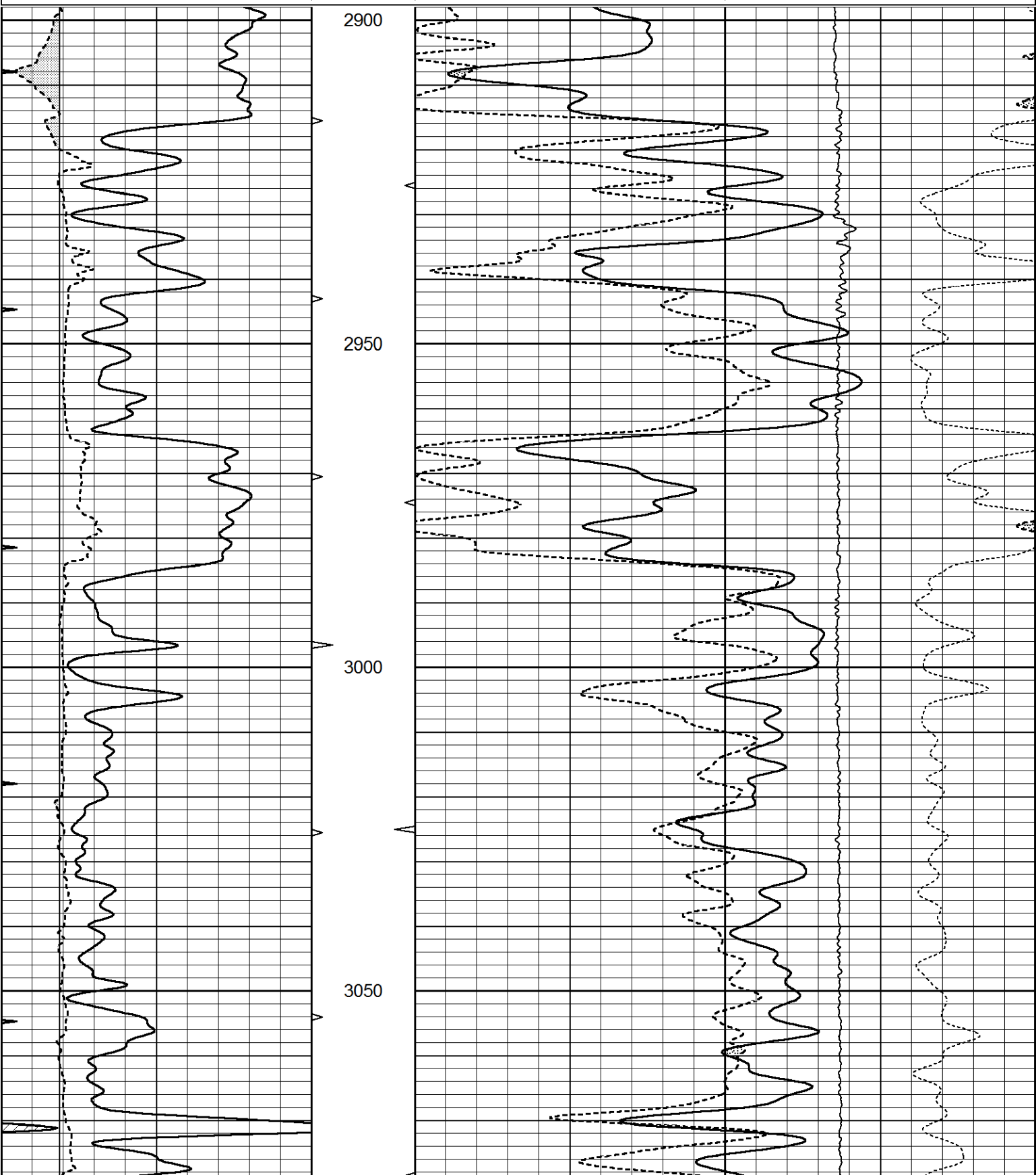
FROM OTIS, KANSAS GO 3 MILES EAST ON HIGHWAY 4, 1 MILE SOUTH, 1/2 MILE EAST,
NORTH INTO

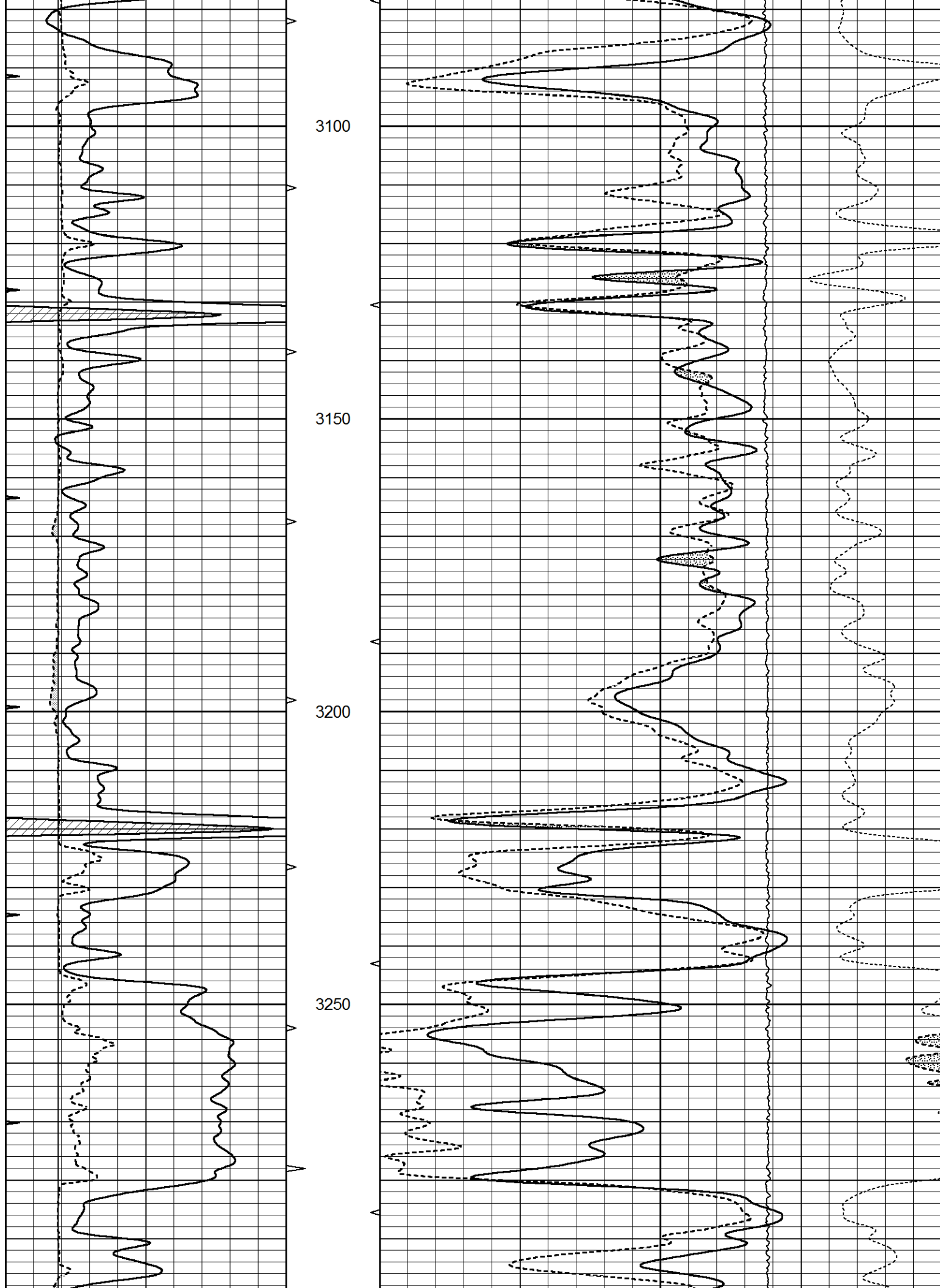


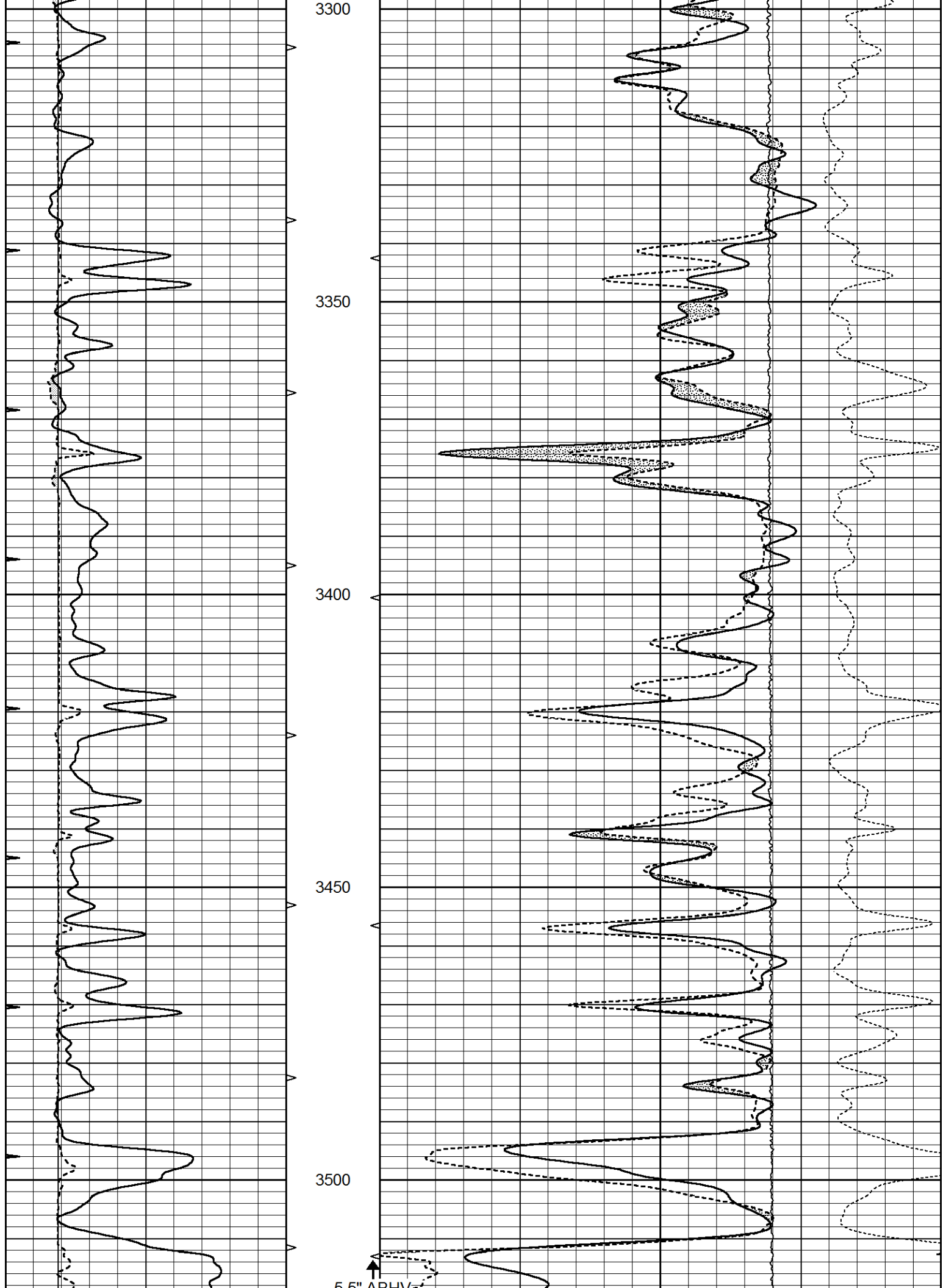
MAIN SECTION

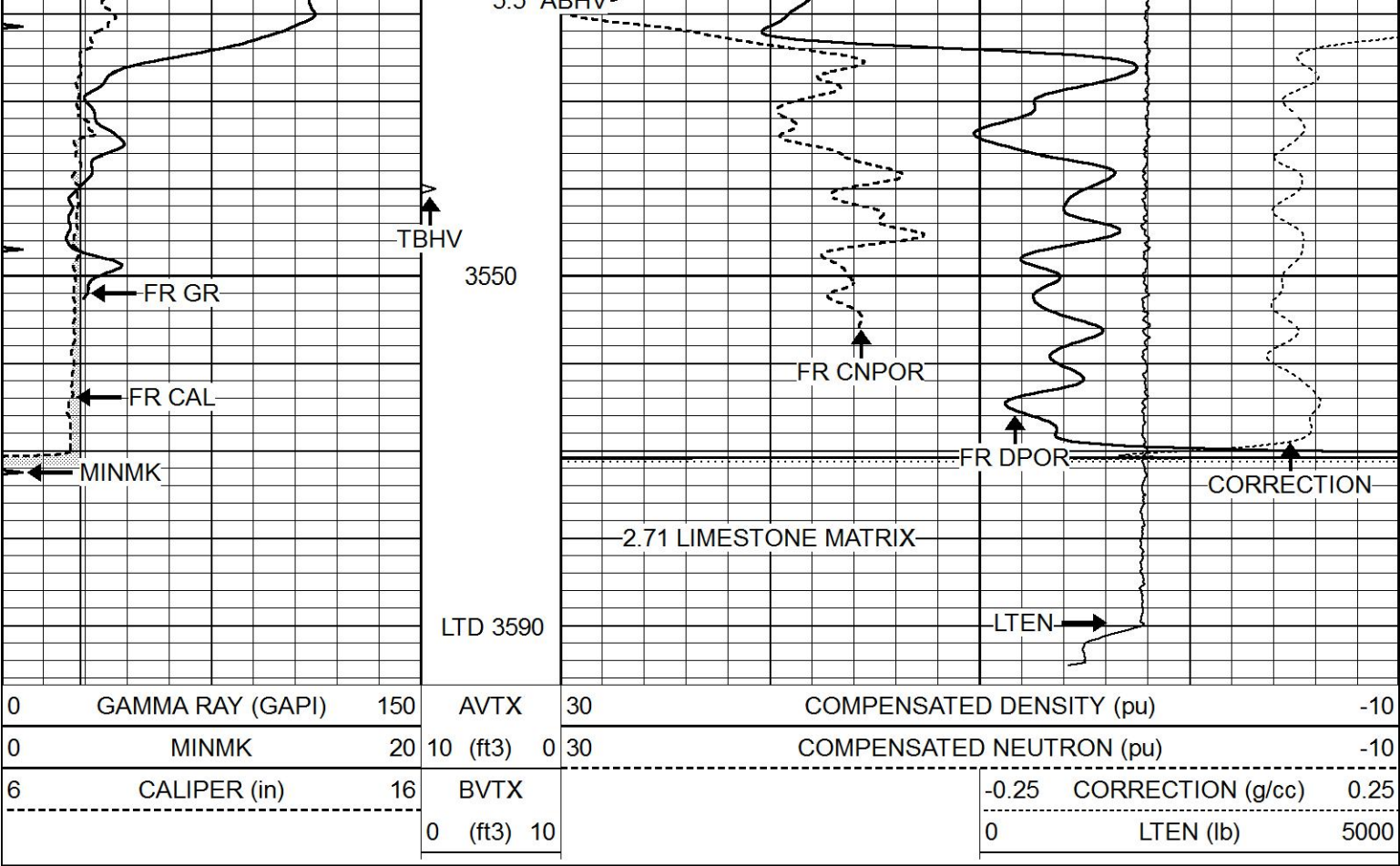
Database File	8675ddn.db
Dataset Pathname	pass4D
Presentation Format	_den_neu
Dataset Creation	Thu May 02 09:25:28 2024
Charted by	Depth in Feet scaled 1:240

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		0 LTEN (lb)	5000





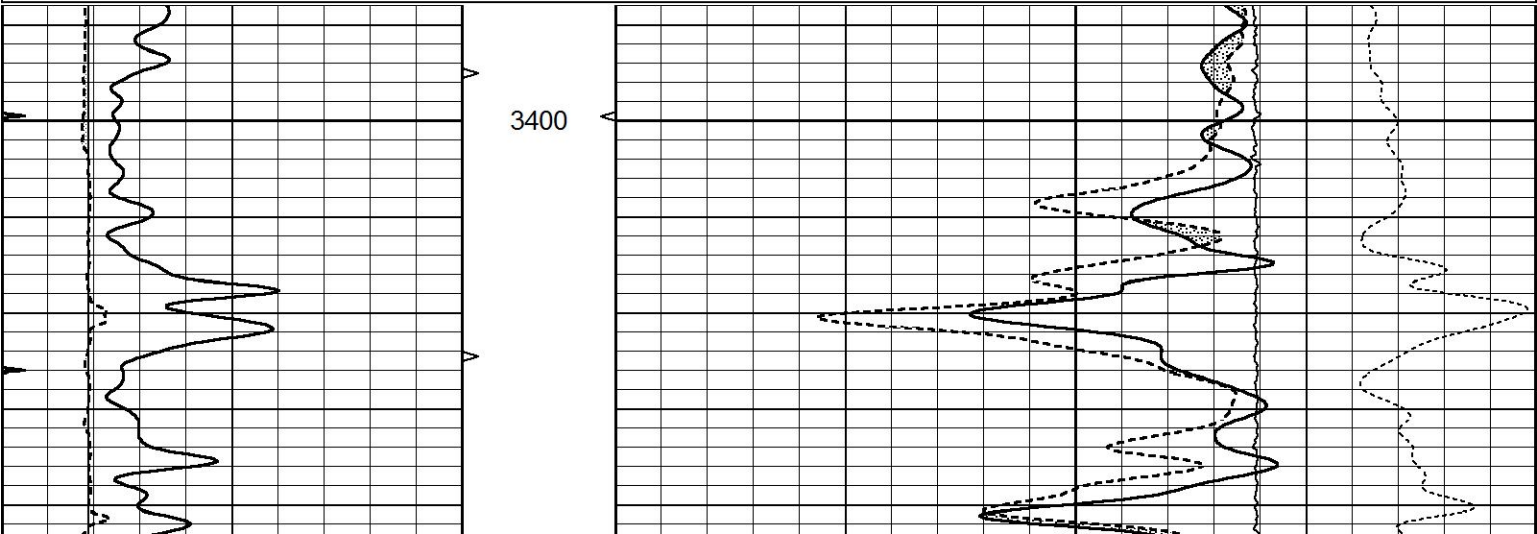


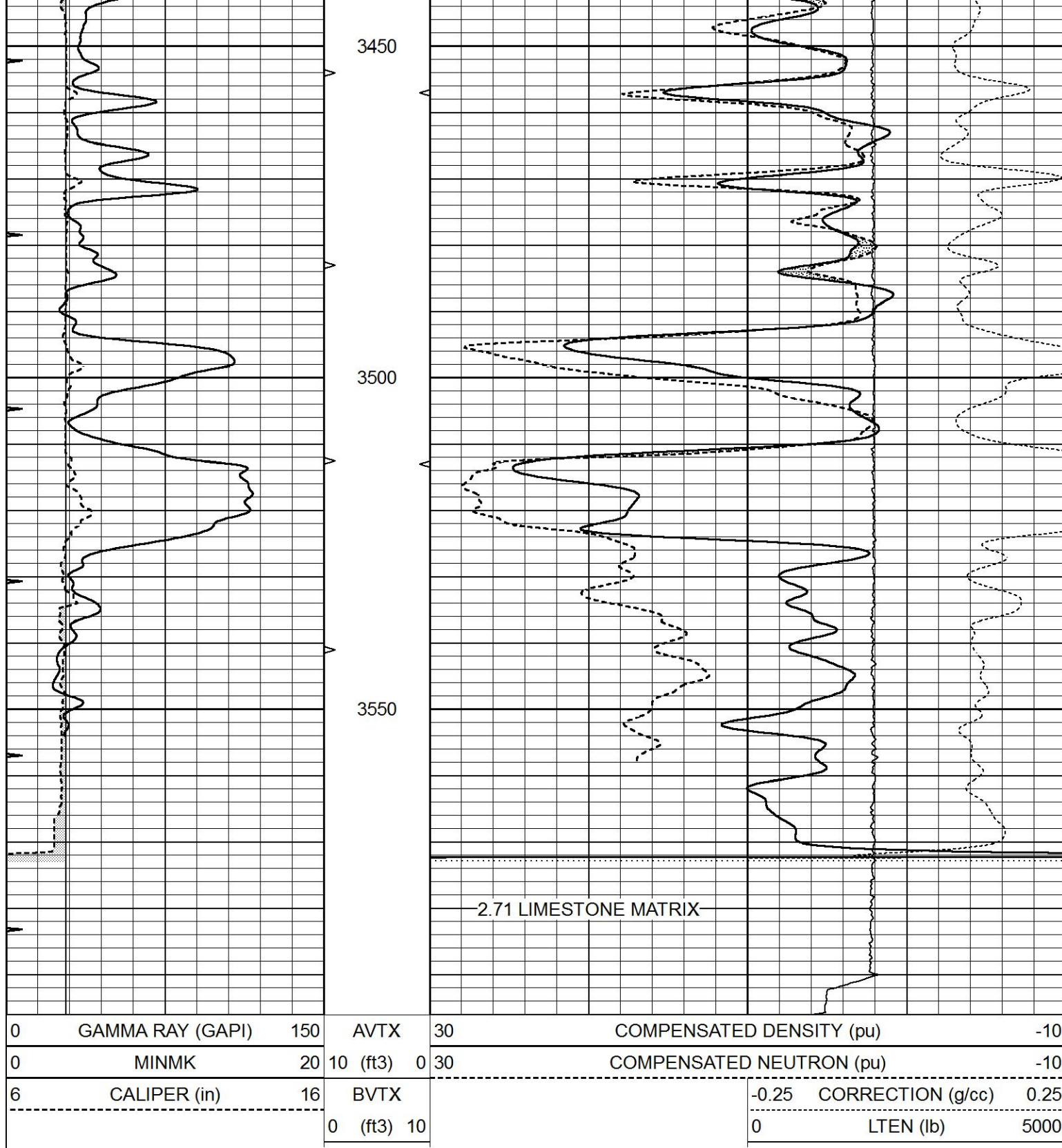


LIMESTONE MATRIX REPEAT

Database File 8675ddn.db
Dataset Pathname pass3LSR
Presentation Format _den_neu
Dataset Creation Thu May 02 09:35:31 2024
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		0 LTEN (lb)	5000

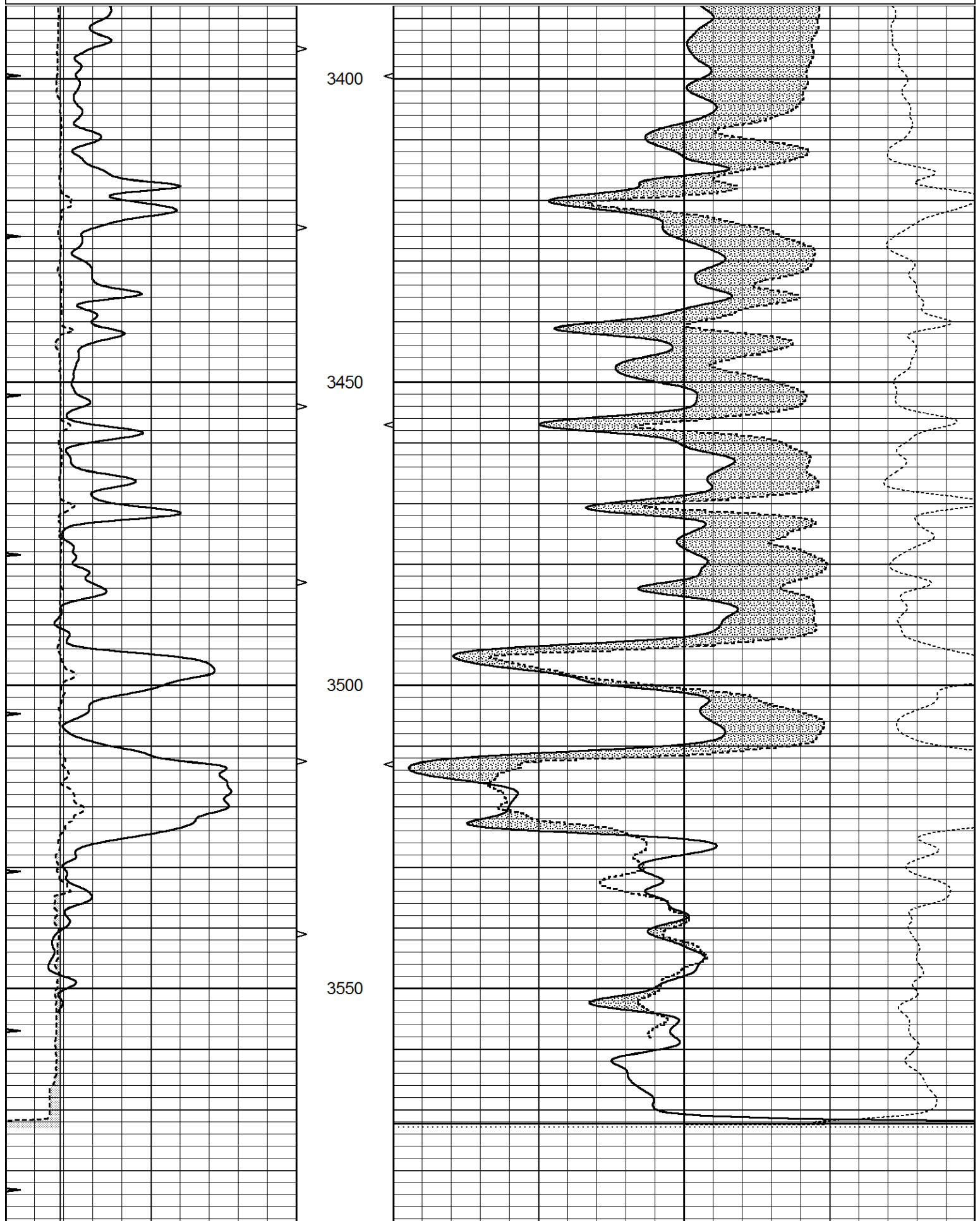




DOLOMITE MATRIX REPEAT

Database File 8675ddn.db
Dataset Pathname pass3DOLO
Presentation Format den_neu
Dataset Creation Thu May 02 09:37:23 2024
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	-10
0	MINMK	20	TBHV	-0.25 CORRECTION (g/cc) 0.25		
			0 (ft3)	10		



Window 4	159.2	158.7	158.9	156.4	cps
Long Space	0.0	5021.2	1124.6	914.6	cps
Short Space	1.4	1196.9	818.3	680.9	cps
Rho		1.7100	2.5900	0.0000	g/cc
Pe		2.0000	2.7500	5.7900	
Rib Angle	: 45.7	Rib Slope	: 1.026	Density/Spine Ratio	: 0.570
Spine Angle	: 75.7	Spine Slope	: 3.935	Spine Intercept	: -19.4

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	

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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:	46001
Tool Model:	Probe1
Performed:	Thu Apr 20 09:55:57 2023
Calibrator Value:	1.0
Background Reading:	0.0
Calibration Factor:	GAPI

Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.4300	GAPI/cps