COMPENSATED DENSITY/NEUTRON LOG

Company MAI OIL OPERATIONS, INC.
Well STUMPS #4
Field MEADOWSIDE
County BARTON State KANSAS

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Well STUMPS #4
Field MEADOWSIDE
County BARTON
State KANSAS

Location: API # : 15-009-26388-0000
2284' FSL & 1701' FEL
SW - NE - NW - SE
SEC 24 TWP 18S RGE 11W

Other Services
DIL/MEL

Elevation
K.B. 1779
D.F. 1777
G.L. 1769

Permanent Datum GROUND LEVEL Elevation 1769
Log Measured From KELLY BUSHING 10' A.G.L
Drilling Measured From KELLY BUSHING

Date	4/10/23		
Run Number	ONE		
Depth Driller	3400		
Depth Logger	3400		
Bottom Logged Interval	3376		
Top Log Interval	2700		
Casing Driller	8 5/8" @ 343		
Casing Logger	343		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4,000 PPM	
Density / Viscosity	8.8/53		
pH / Fluid Loss	9.5/8.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.650 @ 70F		
Rmf @ Meas. Temp	.488 @ 70F		
Rmc @ Meas. Temp	.780 @ 70F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.410 @ 111F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	9:30 A.M.		
Maximum Recorded Temperature	111F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	COLE ROBBEN		
Witnessed By	JOSH AUSTIN		

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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

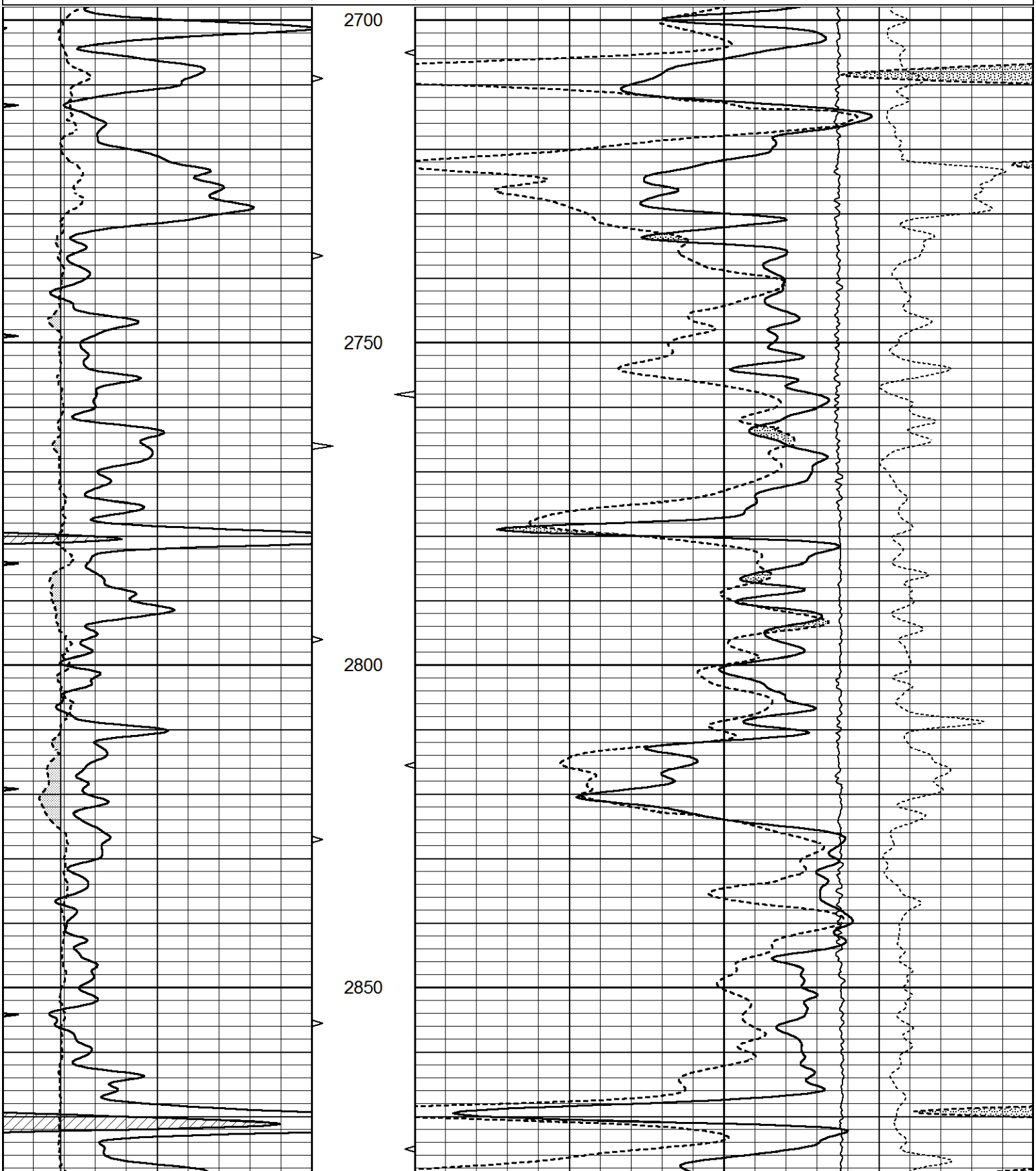
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395

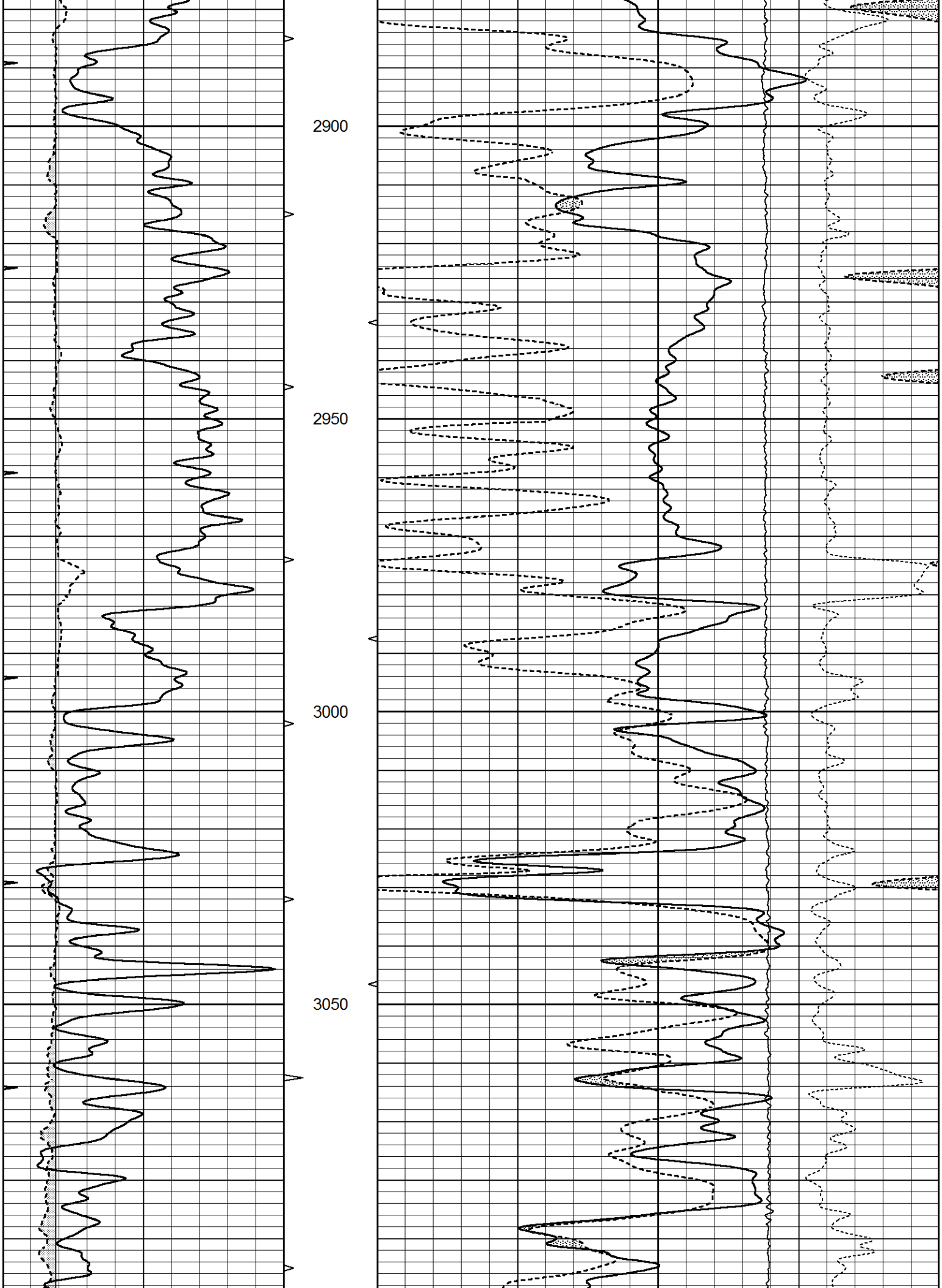
DIRECTIONS:
FROM CLAFLIN, KANSAS GO 3 MILES EAST ON HIGHWAY 4 TO BARTON/RICE COUNTY LINE,
3 1/2 MILES SOUTH, WEST INTO

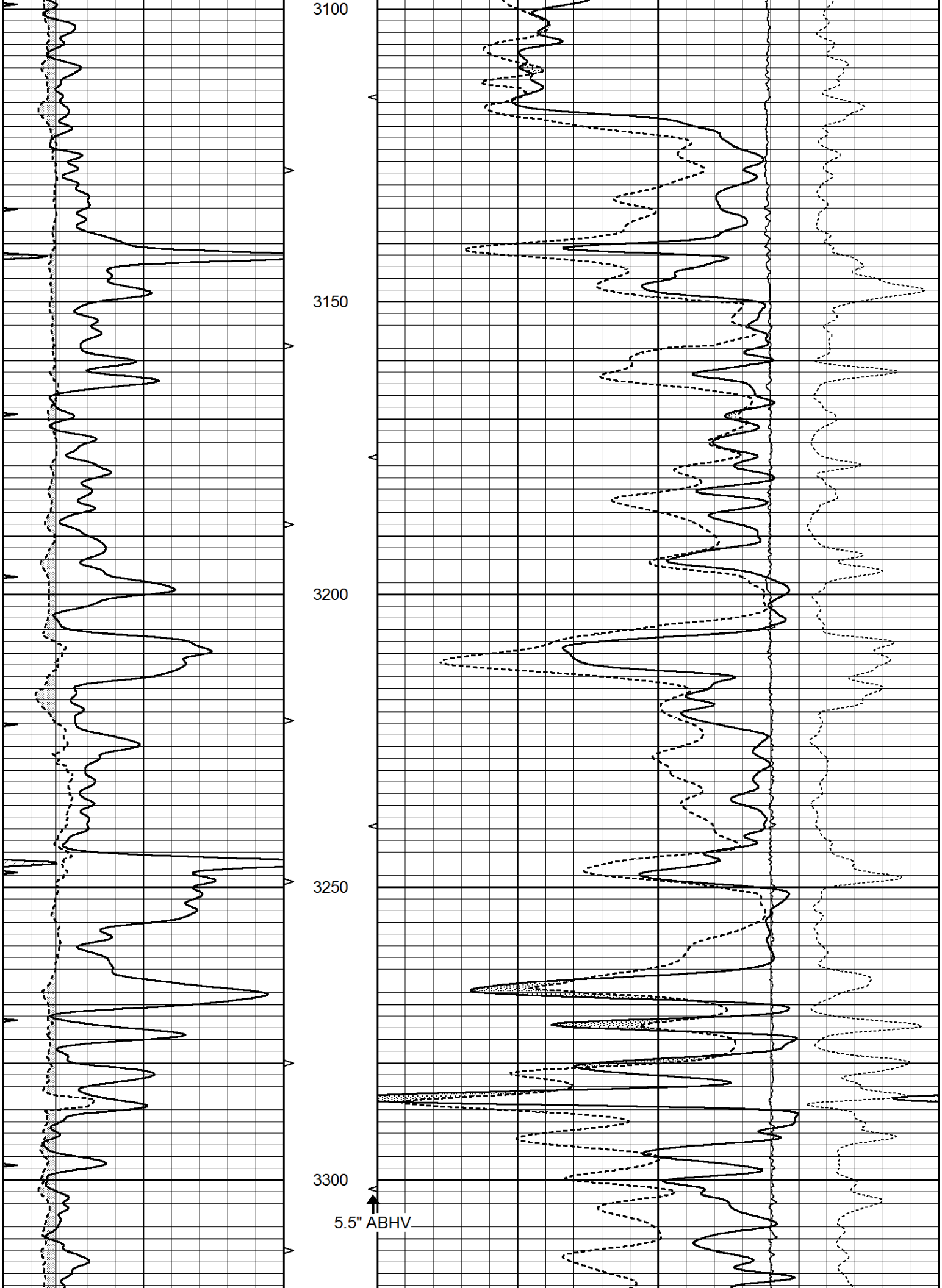
MAIN SECTION

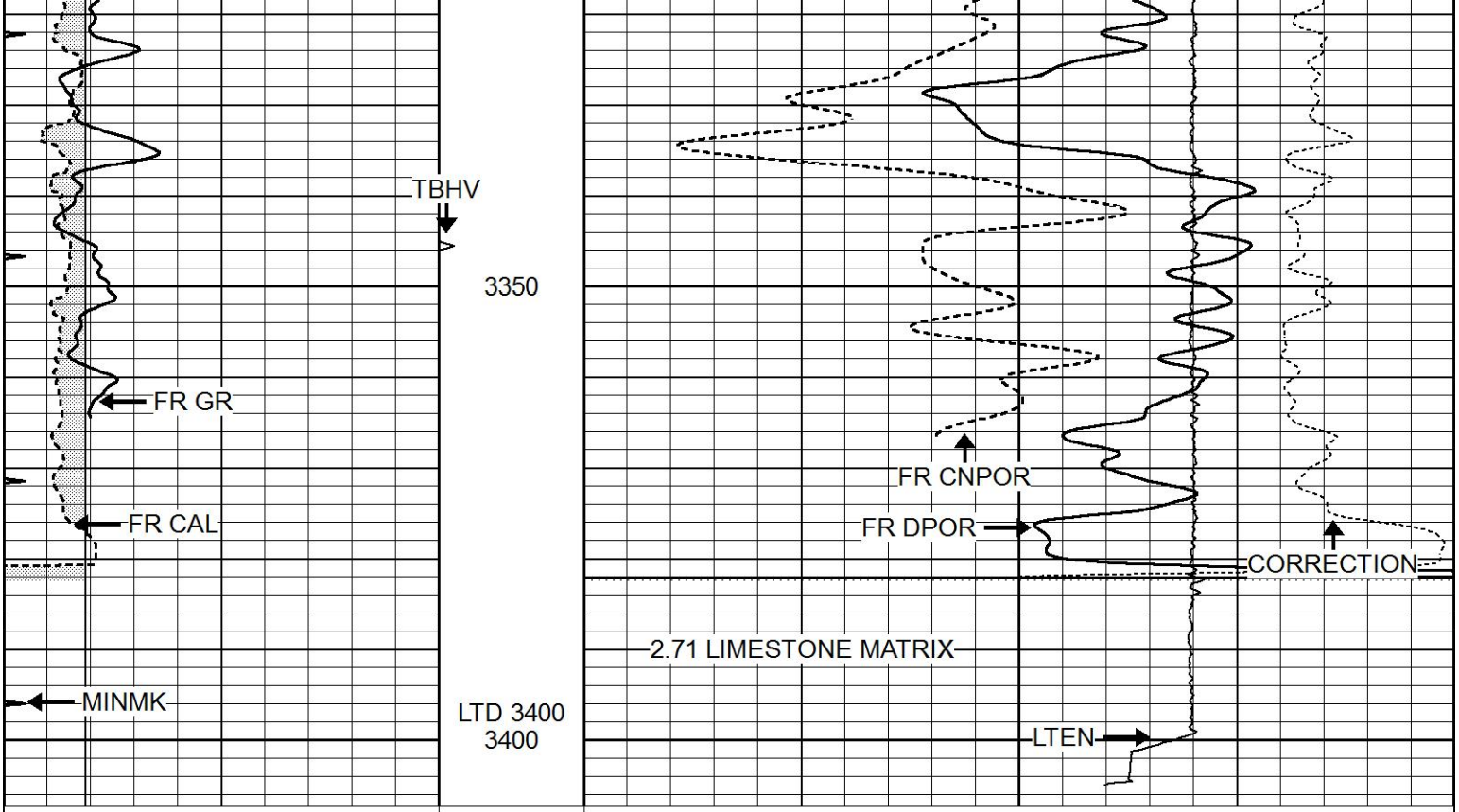
Database File	7668ddn.db
Dataset Pathname	pass3DT
Presentation Format	_den_neu
Dataset Creation	Mon Apr 10 10:42:53 2023
Charted by	Depth in Feet scaled 1:240

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




2900
2950
3000
3050


3100
3150
3200
3250
3300
5.5" ABHV

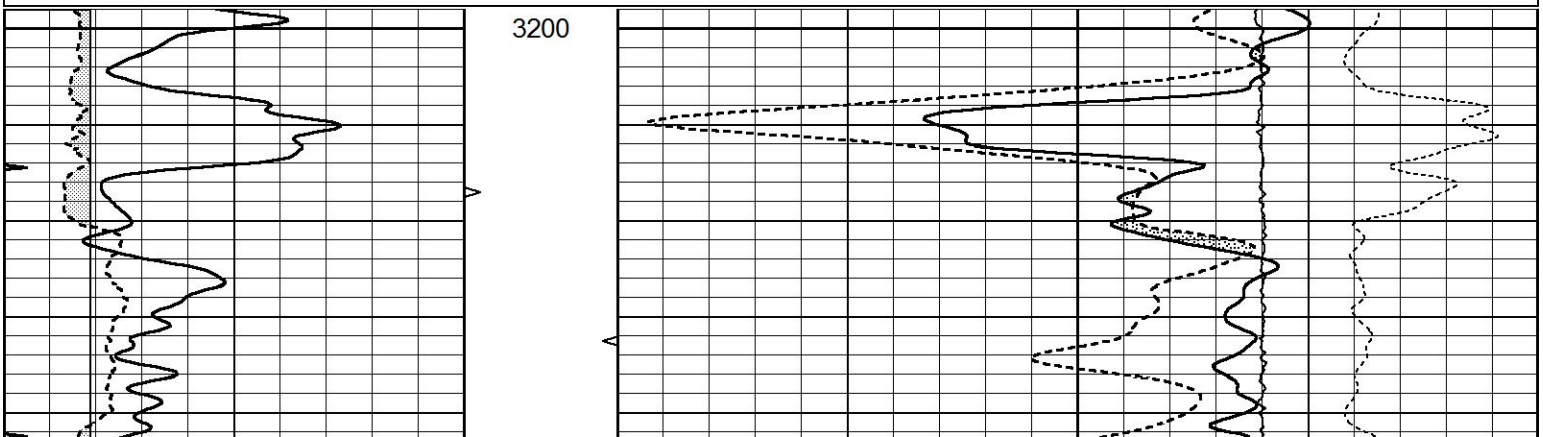


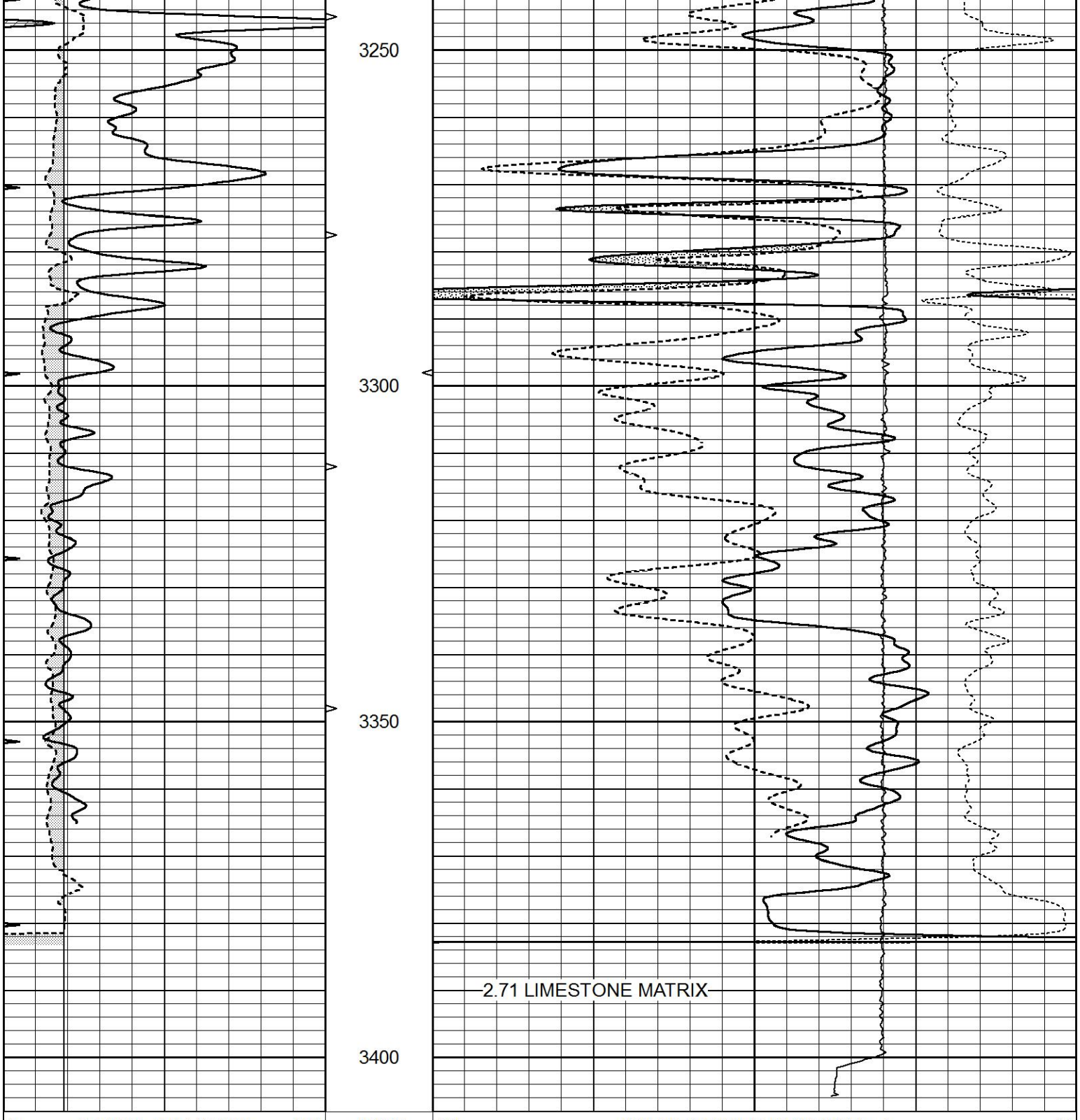
0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)		-10
0	MINMK	20	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)		-10
6	CALIPER (in)	16	BVTX			-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10			0 LTEN (lb)	5000

2.71 LIMESTONE REPEAT

Database File	7668ddn.db
Dataset Pathname	pass2LSR
Presentation Format	_den_neu
Dataset Creation	Mon Apr 10 09:54:33 2023
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





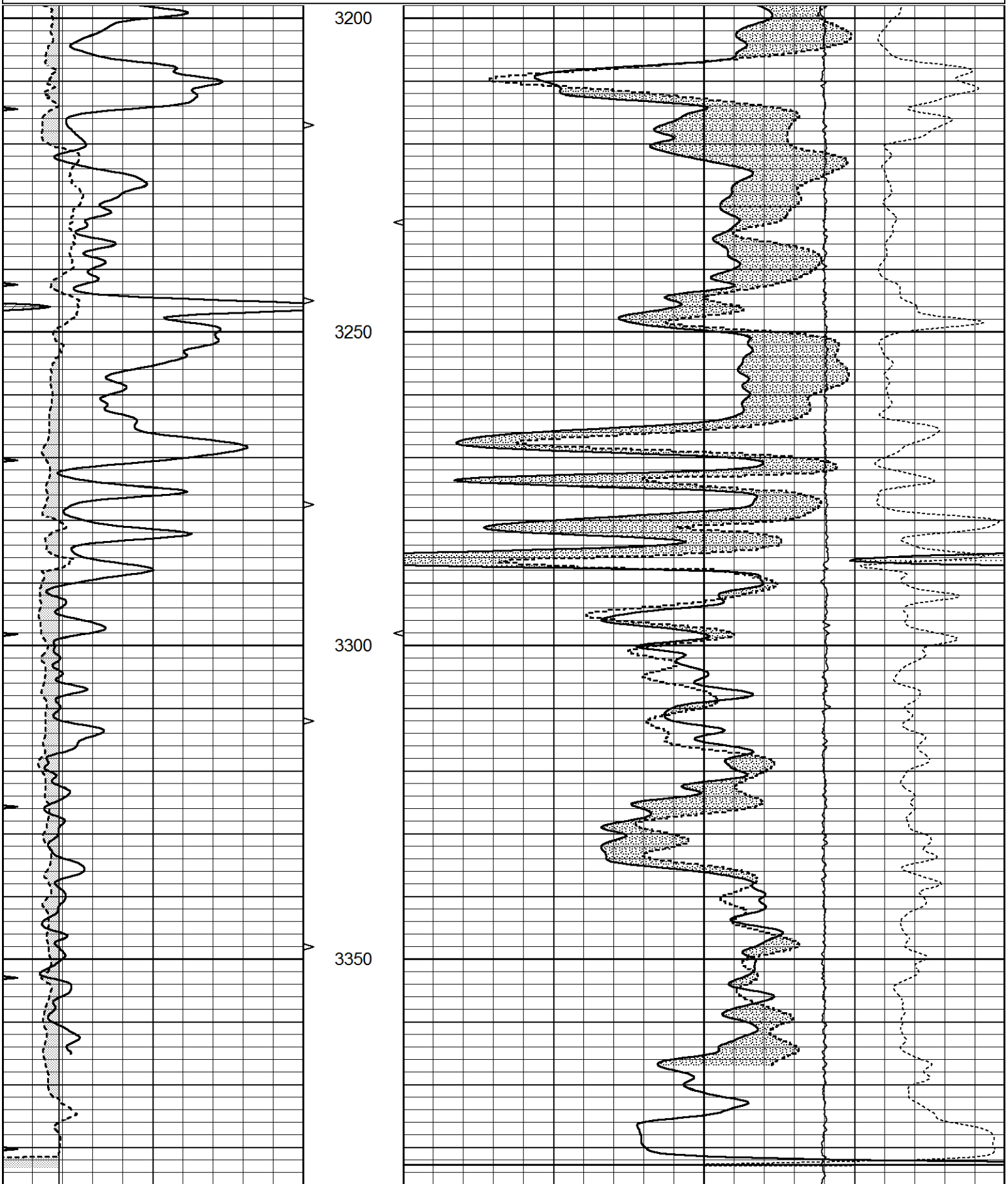
0	GAMMA RAY (GAPI) 150	AVTX	30	COMPENSATED DENSITY (pu)	-10
0	MINMK 20	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
6	CALIPER (in) 16	BVTX		-0.25 CORRECTION (g/cc)	0.25
		0 (ft3) 10		0 LTEN (lb)	5000

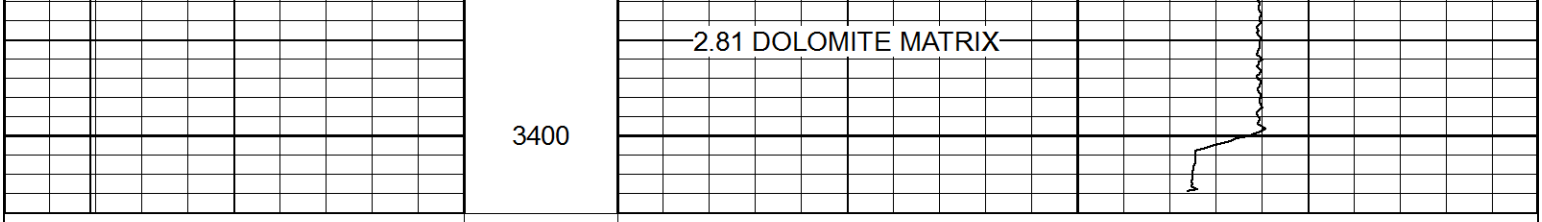
2.81 DOLOMITE REPEAT

Database File	7668ddn.db
Dataset Pathname	pass2DOLO

Presentation Format	_den_neu
Dataset Creation	Mon Apr 10 10:02:40 2023
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





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

Calibration Report

Database File 7668ddn.db
Dataset Pathname pass3DT
Dataset Creation Mon Apr 10 10:42:53 2023

Dual Induction Calibration Report

Serial-Model: FW1410-55-Probe
Surface Cal Performed: Sun Apr 02 09:22:50 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	550.000	-3.000
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	550.000	-5.000
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: 005 Model: Litho_Ver3

Master Calibration

Performed Fri May 13 13:54:36 2022

	Background	Magnesium	Aluminum	Aluminum+Fe

Window 1	1363.1	46477.8	11515.9	9589.9	cps
Window 2	1239.4	36488.4	9270.1	7998.9	cps
Window 3	1044.3	20488.1	5500.7	4913.3	cps
Window 4	315.7	358.7	321.5	319.5	cps
Long Space	0.0	35249.0	8030.7	6759.4	cps
Short Space	1.4	9675.7	6523.4	5391.9	cps
Rho		1.7100	2.5900	0.0000	g/cc
Pe		2.0000	2.7500	5.7900	

Rib Angle	: 45.1	Rib Slope	: 1.003	Density/Spine Ratio	: 0.575
Spine Angle	: 75.1	Spine Slope	: 3.752	Spine Intercept	: -24.0

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	

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: Sun Apr 02 09:22:40 2023

Performed:	Sun Apr 02 09:22:40 2023	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.4000	GAPI/cps