COMPENSATED DENSITY/NEUTRON LOG

Company CHARTER ENERGY, INC.
Well WILD WEST #1
Field PRITCHARD
County BARTON State KANSAS

Location: API # : 15-009-26428-0000
763 FSL & 700 FWL
SW - NE - SW - SW
SEC 26 TWP 20S RGE 14W

Other Services
DIL/MEL

Elevation
K.B. 1912
D.F. 1910
G.L. 1902

Permanent Datum GROUND LEVEL Elevation 1902
Log Measured From KELLY BUSHING 10' A.G.L
Drilling Measured From KELLY BUSHING

Date	9/2/24		
Run Number	ONE		
Depth Driller	3625		
Depth Logger	3625		
Bottom Logged Interval	3601		
Top Log Interval	2800		
Casing Driller	8.625 @ 825		
Casing Logger	825		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5,600 PPM	
Density / Viscosity	9.2/57		
pH / Fluid Loss	10.5/6.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.850 @ 82F		
Rmf @ Meas. Temp	.638 @ 82F		
Rmc @ Meas. Temp	1.02 @ 82F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.617 @ 113F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	6:45 P.M.		
Maximum Recorded Temperature	113F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	COLE ROBBEN		
Witnessed By	JOSHUA AUSTIN		

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Well WILD WEST #1
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State KANSAS

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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

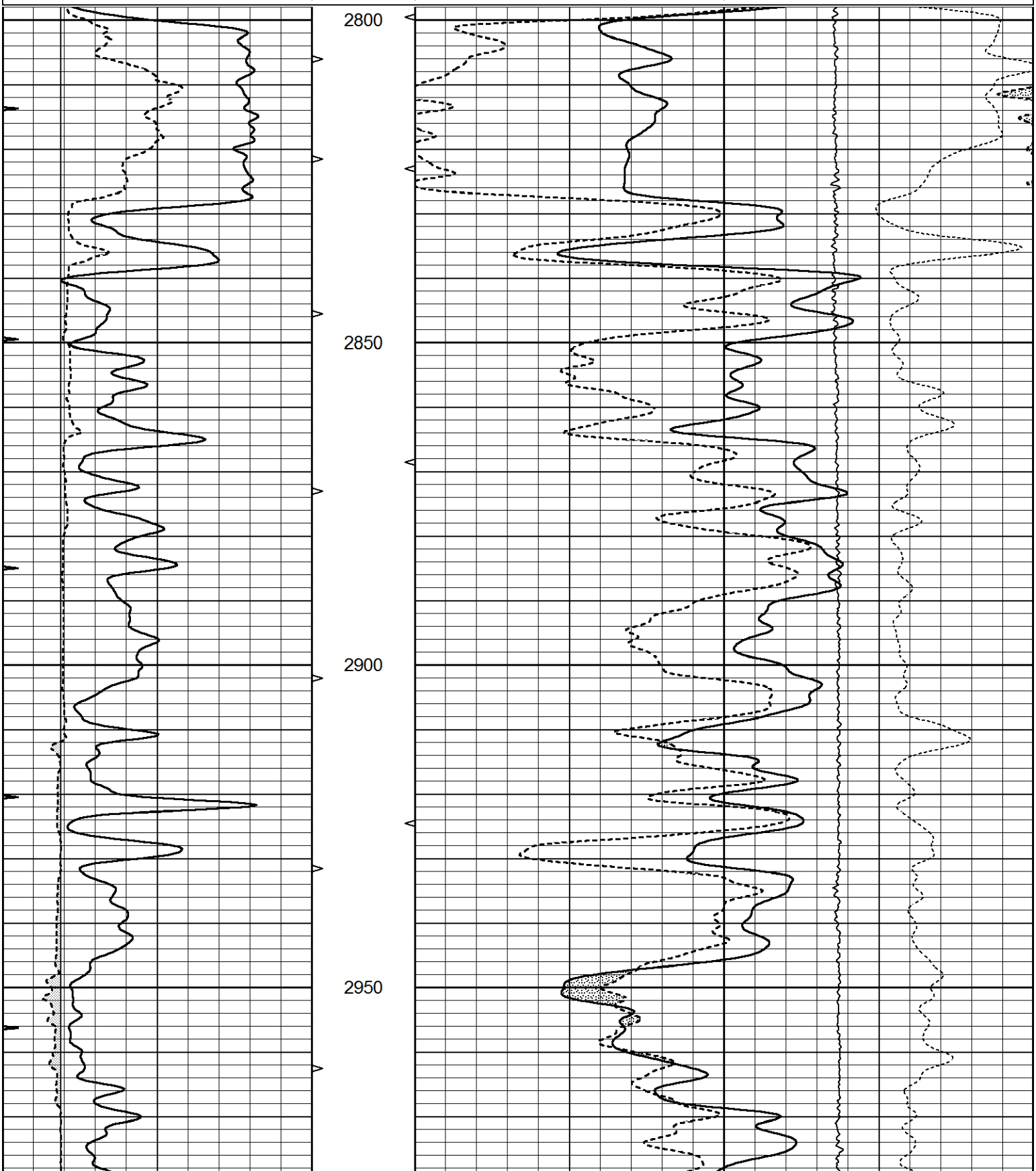
DIRECTIONS:

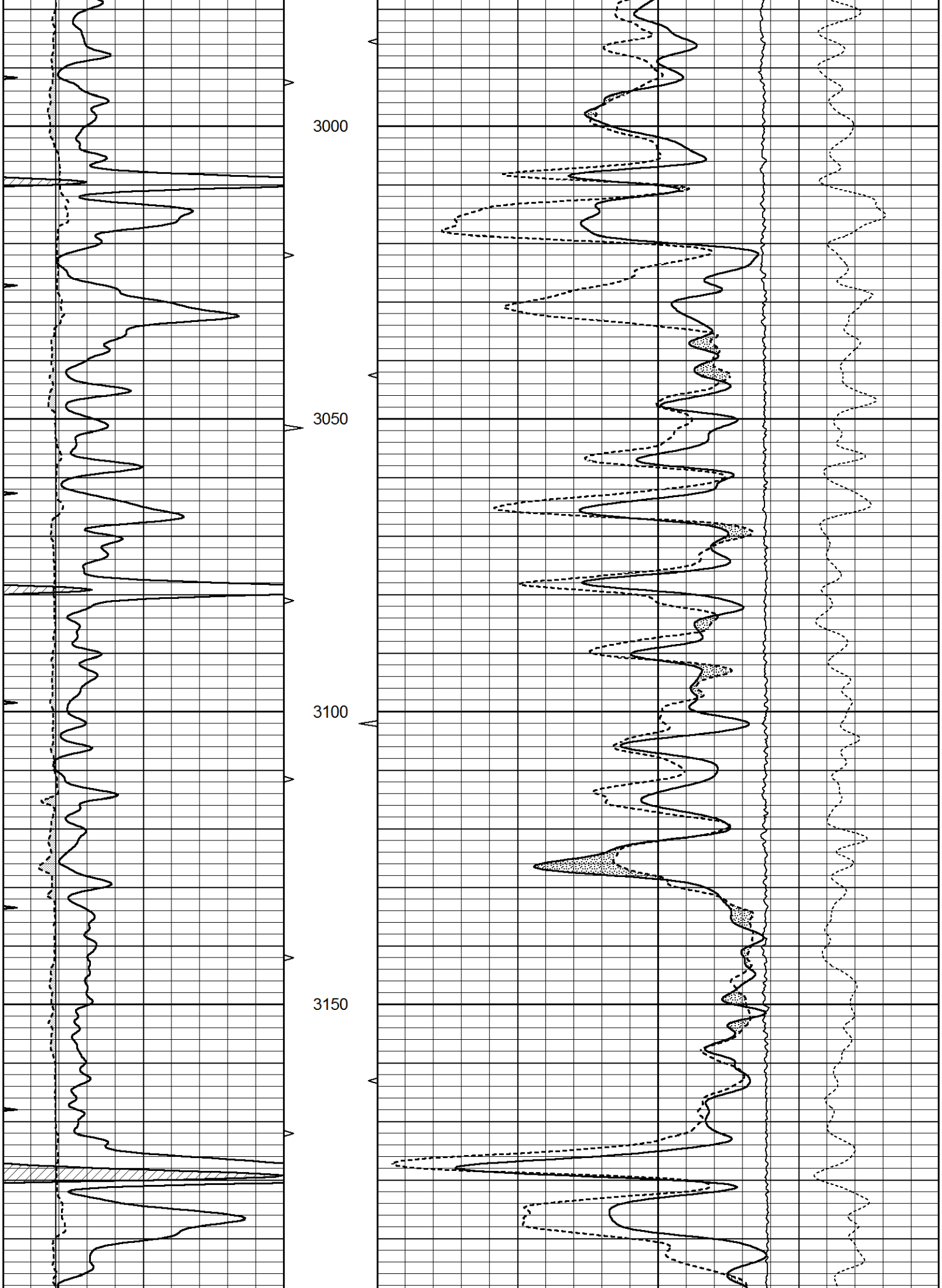
FROM GREAT BEND, KANSAS AND HIGHWAY 156 GO WEST 4 MILES TO ROAD SW 50TH AVE, 2 MILES SOUTH TO SW 50TH ROAD, 1 MILE EAST, 1 MILE SOUTH, 1/8TH MILE EAST, NORTH INTO

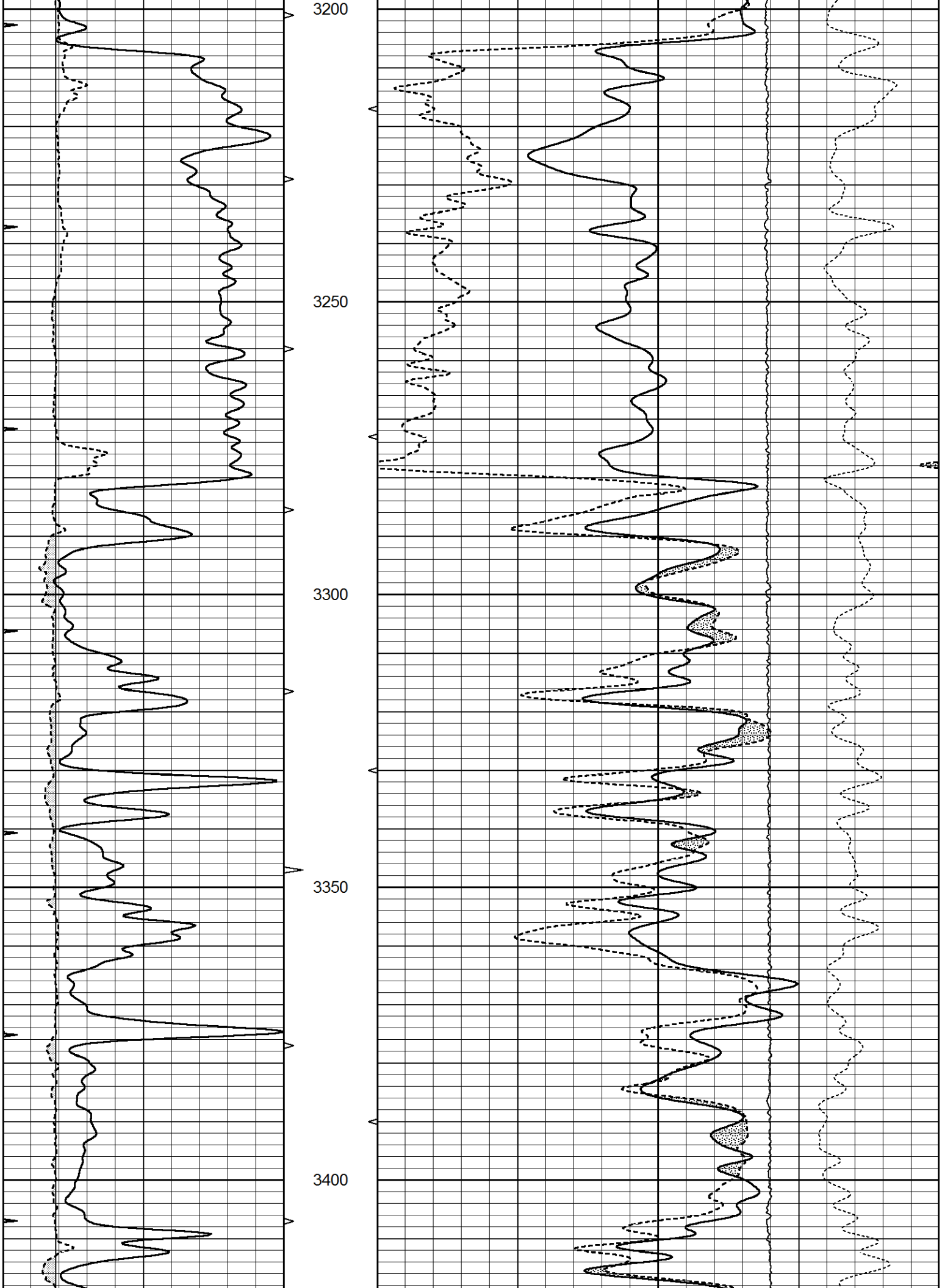
MAIN SECTION

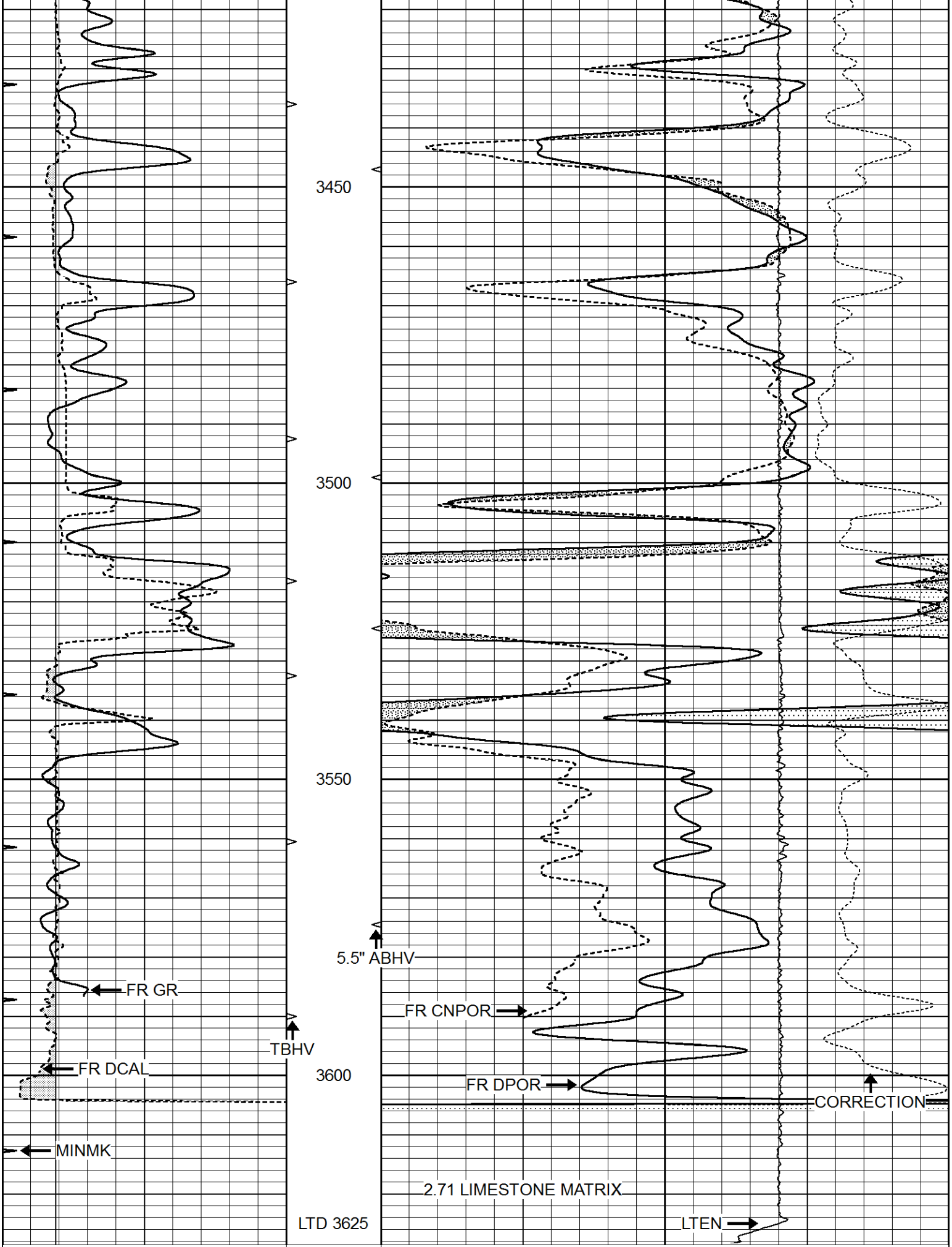
Database File	8916ddn.db
Dataset Pathname	pass4D
Presentation Format	_den_neu
Dataset Creation	Mon Sep 02 19:50:47 2024
Charted by	Depth in Feet scaled 1:240

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




3000
3050
3100
3150


3200
3250
3300
3350
3400

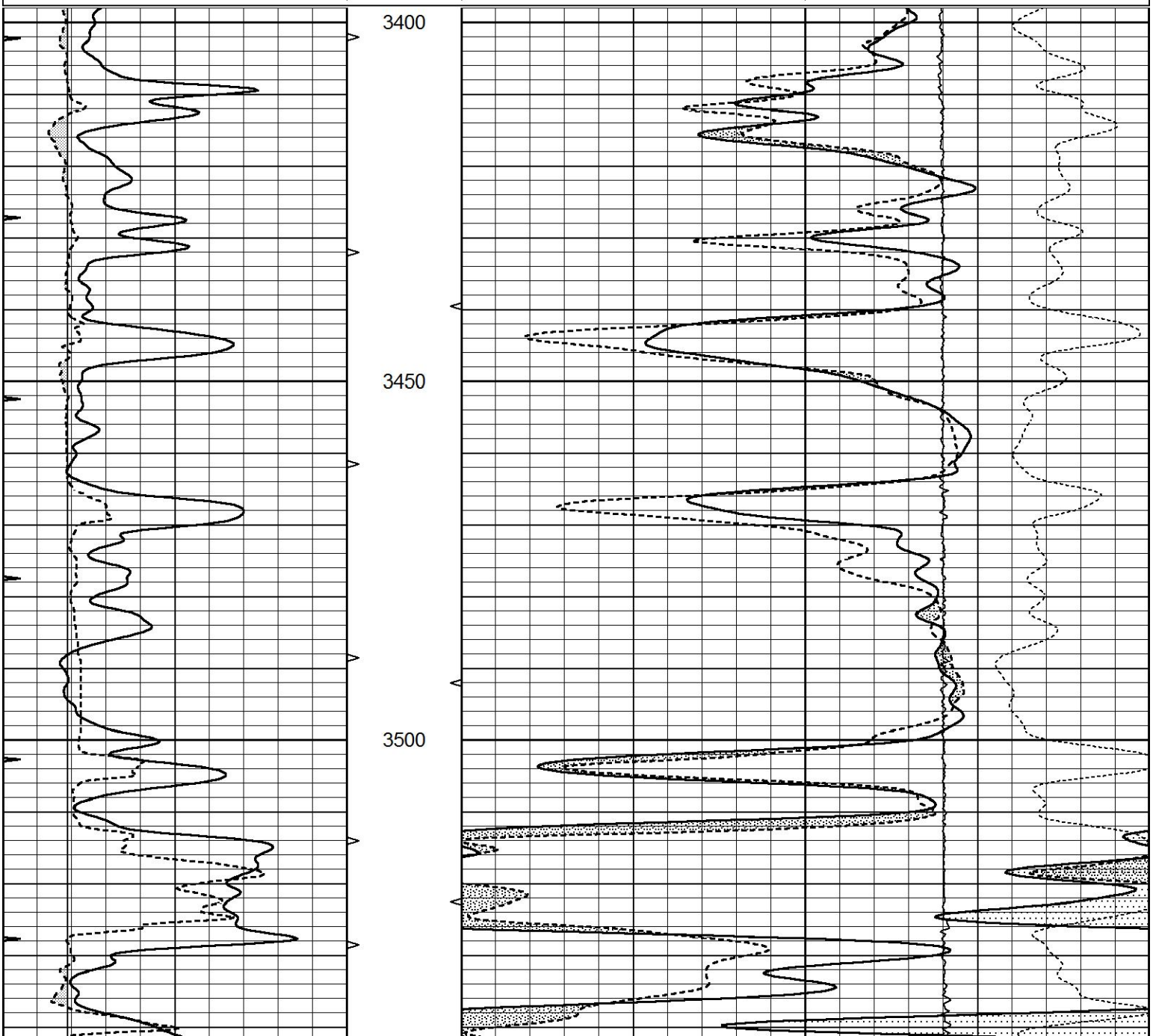

3450
3500
3550
3600
5.5" ABHV
FR GR
TBHV
FR CNPOR
FR DCAL
FR DPOR
CORRECTION
MINMK
2.71 LIMESTONE MATRIX
LTD 3625
LTEN
0 GAMMA RAY (GAPI) 150
AVTX
30 COMPENSATED DENSITY (pu) -10
0 MINMK 20
10 (ft3) 0
30 COMPENSATED NEUTRON (pu) -10

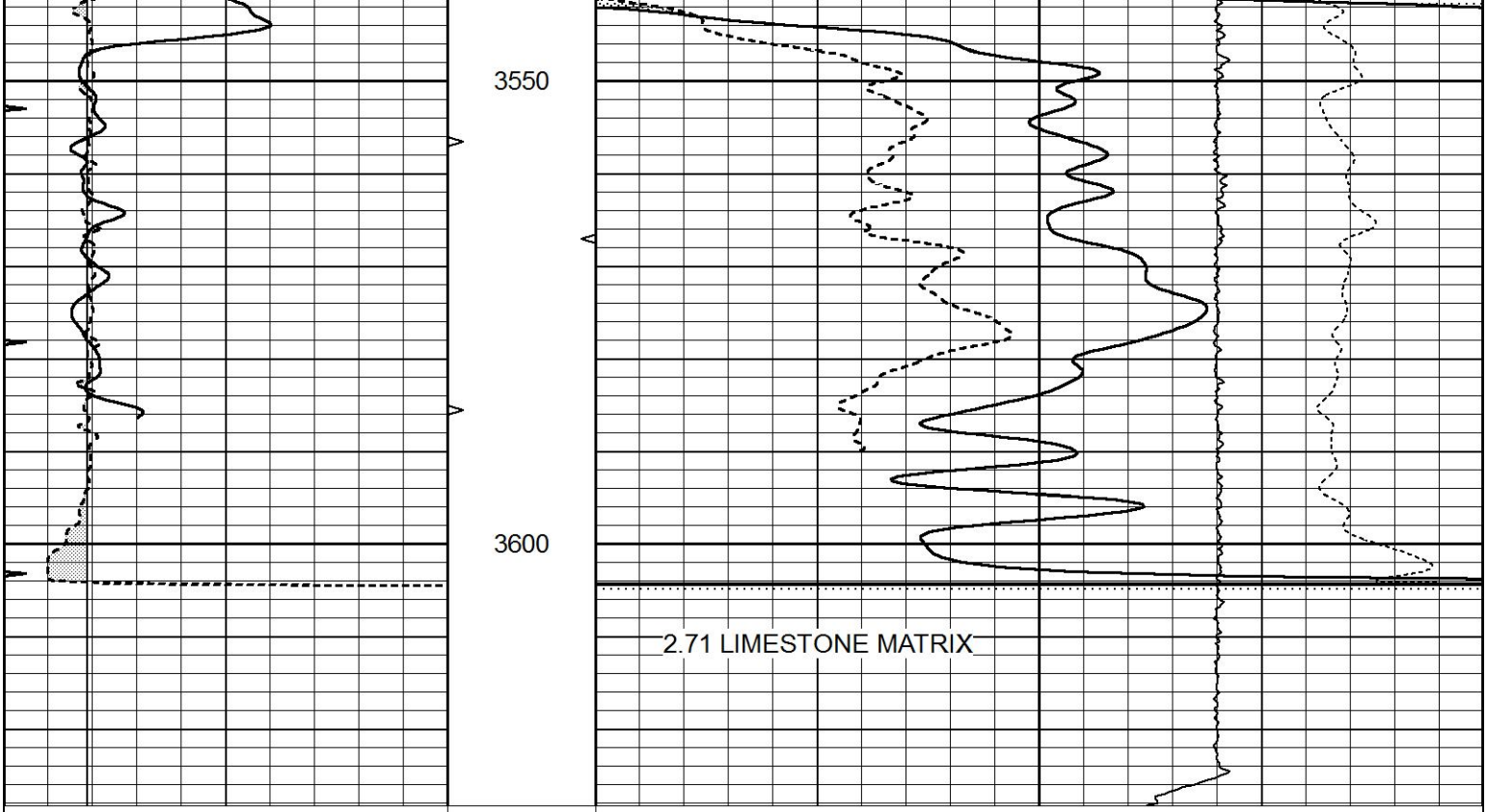
6	CALIPER (in)	16	BVTX		-0.25	CORRECTION (g/cc)	0.25
			0 (ft3) 10		0	LTEN (lb)	5000

LIMESTONE MATRIX REPEAT

Database File	8916ddn.db
Dataset Pathname	pass3LSR
Presentation Format	_den_neu
Dataset Creation	Mon Sep 02 19:45:05 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



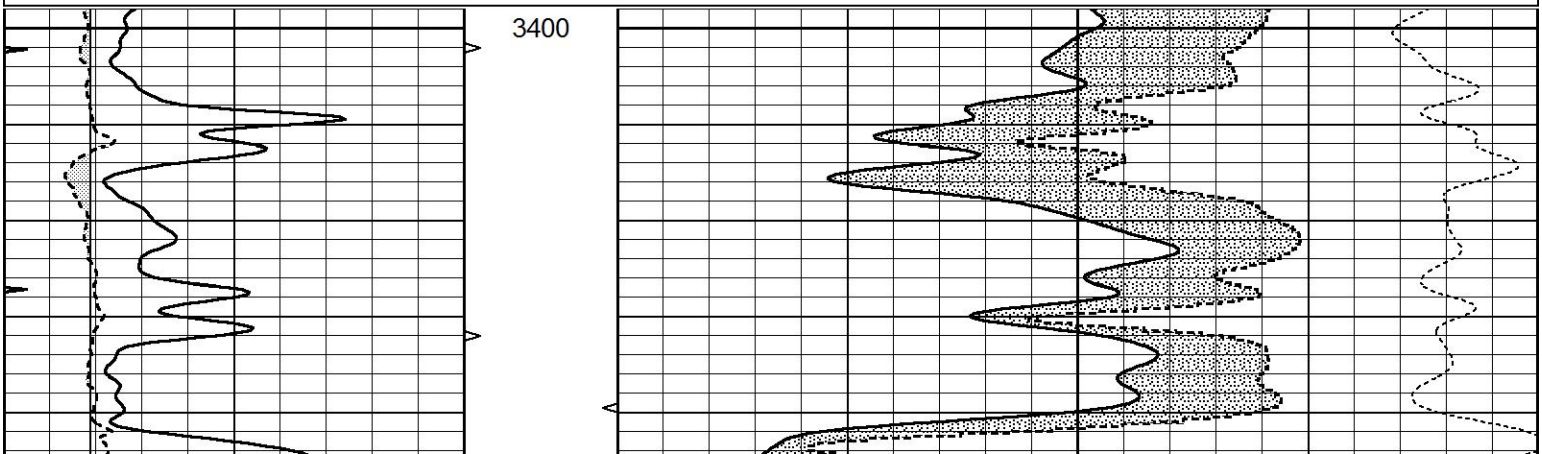


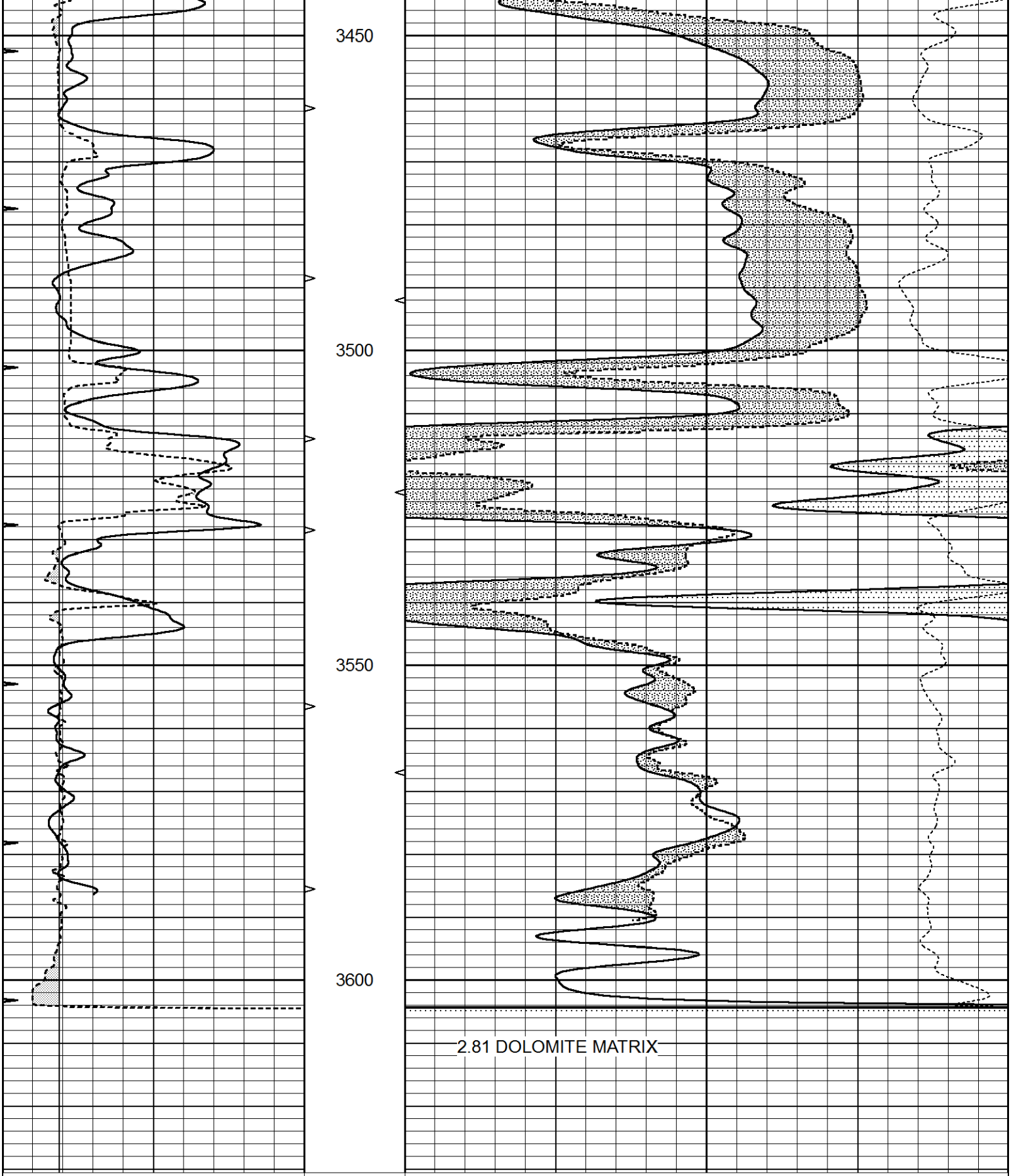
0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)		-10
0	MINMK	20	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)		-10
6	CALIPER (in)	16	BVTX			-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10			0 LTEN (lb)	5000

DOLOMITE MATRIX REPEAT

Database File	8916ddn.db
Dataset Pathname	pass3DOLO
Presentation Format	den_neu
Dataset Creation	Mon Sep 02 19:48:22 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	COMPENSATED NEUTRON (pu)		-10
0	MINMK	20	TBHV			-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10				





Calibration Report

Database File 8916ddn.db

Dataset Pathname pass4D
Dataset Creation Mon Sep 02 19:50:47 2024

Dual Induction Calibration Report

Serial-Model:	FW1410-56-Probe
Surface Cal Performed:	Tue Apr 30 11:10:17 2024
Downhole Cal Performed:	Tue Jul 25 12:15:37 2017
After Survey Verification Performed:	Tue Jul 25 12:15:38 2017

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.008	0.765	V	1.000	400.000	mmho/m	520.000	18.000
Medium	-0.056	0.761	V	1.000	464.000	mmho/m	540.000	195.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.005	0.624	V	0.000	400.000	mmho/m	645.611	-3.034
Medium	0.012	0.721	V	0.000	464.000	mmho/m	653.591	-7.532

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	-0.647	301.329	mmho/m	-0.780	336.378	mmho/m	1.117	-0.058
Medium	38.256	411.013	mmho/m	39.046	441.706	mmho/m	1.080	-2.280
LL3		7.471	V		2500.000	Ohm-m		
		0.001	V		20.000	Ohm-m		
		-7.085	V		4000.000	mmho-m		

After Survey Verification

	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.647	301.329	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	38.256	411.013	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: 003 Model: PRB

Master Calibration

Performed Mon May 22 11:42:40 2023

	Background	Magnesium	Aluminum	Aluminum+Fe	
Window 1	1512.3	7465.7	2749.0	2519.6	cps
Window 2	1398.8	6705.7	2507.3	2313.8	cps
Window 3	1289.2	5259.5	2124.1	2009.6	cps
Window 4	351.1	351.6	351.8	353.2	cps
Long Space	0.0	5306.9	1108.5	915.0	cps
Short Space	3.3	2239.9	1441.2	1212.0	cps
Rho		1.7100	2.5900	0.0000	g/cc
Pe		2.0000	2.7500	5.7900	

Rib Angle	: 44.3	Rib Slope	: 0.975	Density/Spine Ratio	: 0.541
Spine Angle	: 74.3	Spine Slope	: 3.551	Spine Intercept	: -18.8

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: 46001
Tool Model: Probe1
Performed: Thu Apr 20 09:55:57 2023

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.4300 GAPI/cps