



COMPENSATED DENSITY/NEUTRON PE LOG

Company STEWART PRODUCERS, INC.

Well WHIPPLE #1-27

Field WCV - SW

County NESS State KANSAS

Location: API # : 15-135-26216-0000

SEC 27 TWP 19S RGE 26W

Permanent Datum GROUND LEVEL Elevation 2591

Log Measured From KELLY BUSHING 7' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
DILMEL
SONIC

Elevation
K.B. 2598
D.F. 2596
G.L. 2591

Date 4/7/24

Run Number ONE

Depth Driller 4640

Depth Logger 4642

Bottom Logged Interval 4618

Top Log Interval 3800

Casing Driller 8.625@217

Casing Logger 216

Bit Size 7.785

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.3/60

pH / Fluid Loss 10.0/8.0

Source of Sample FLOWLINE

Rm @ Meas. Temp .900@70F

Rmf @ Meas. Temp .675@70F

Rmc @ Meas. Temp 1.08@70F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .516@122F

Time Circulation Stopped 3 HOURS

Time Logger on Bottom 1.45 P.M.

Maximum Recorded Temperature 122F

Equipment Number 922339

Location HAYS, KANSAS

Recorded By JEFF LUEBBERS

Witnessed By AARON YOUNG

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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.

15-135-26216-0000

Comments

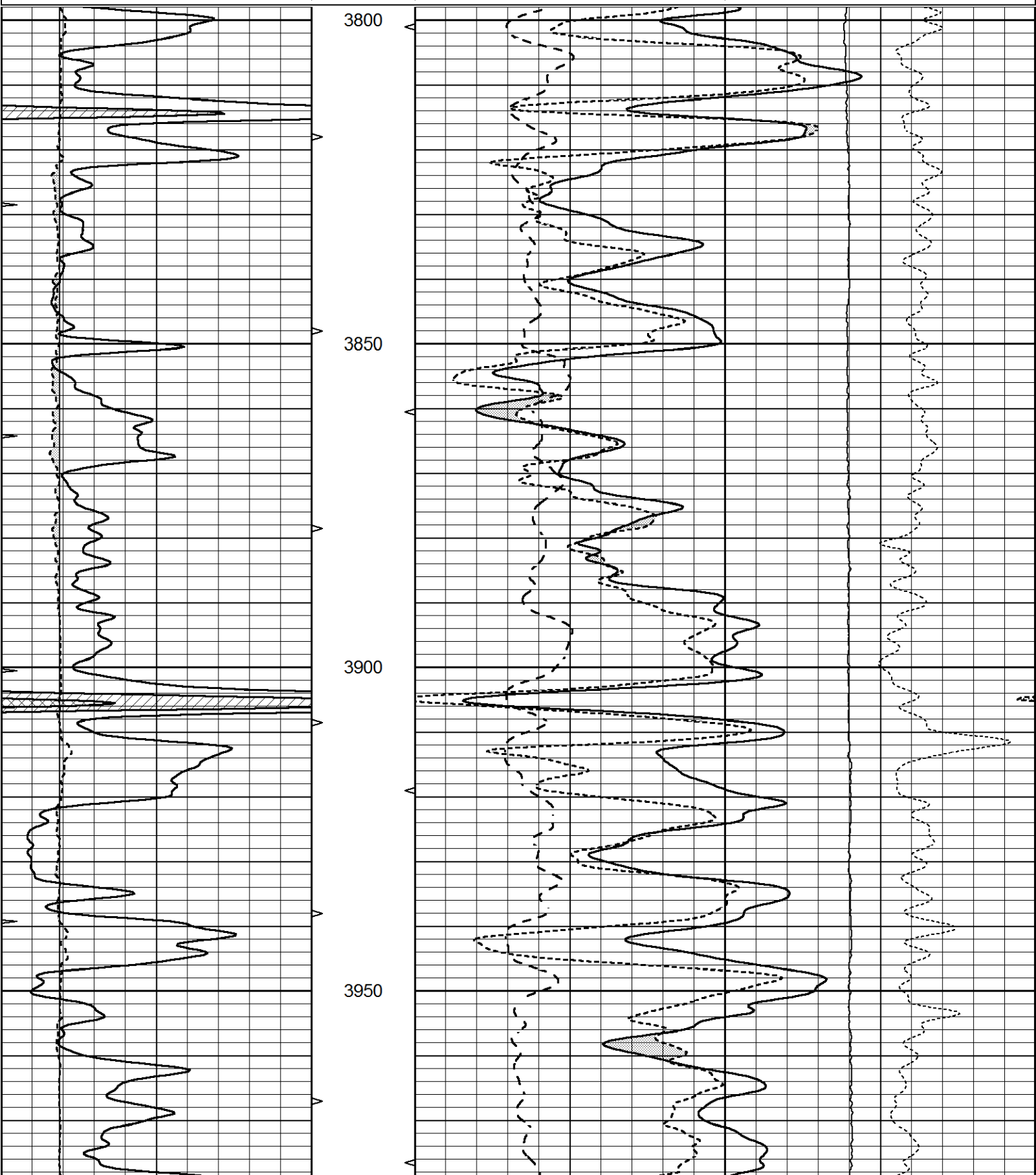
THANK YOU FOR USING ELI WIRELINE HAYS. KANSAS (785) 628-6395
DIRECTIONS
BEELER, KS. & HWY 96, 5S. ON "RD. C" TO "80TH", 1E., S. INTO

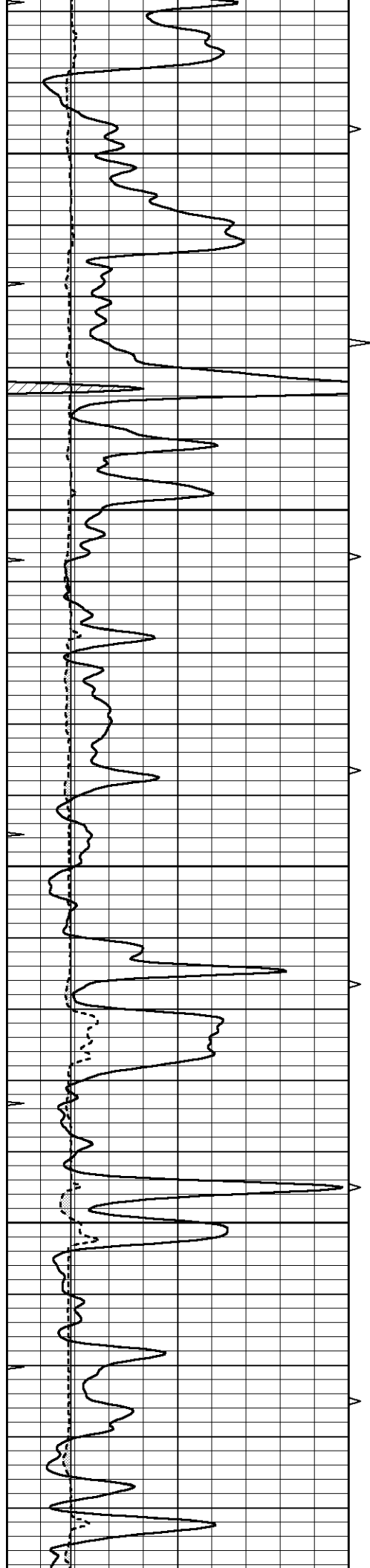


MAIN SECTION

Database File	8481pe.db
Dataset Pathname	pass3.1M
Presentation Format	_ldt_neu
Dataset Creation	Sun Apr 07 16:08:58 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	PE	10	-0.25	CORRECTION (g/cc)	0.25	
			0 (ft3)	10			0	LTEN (lb)	5000	



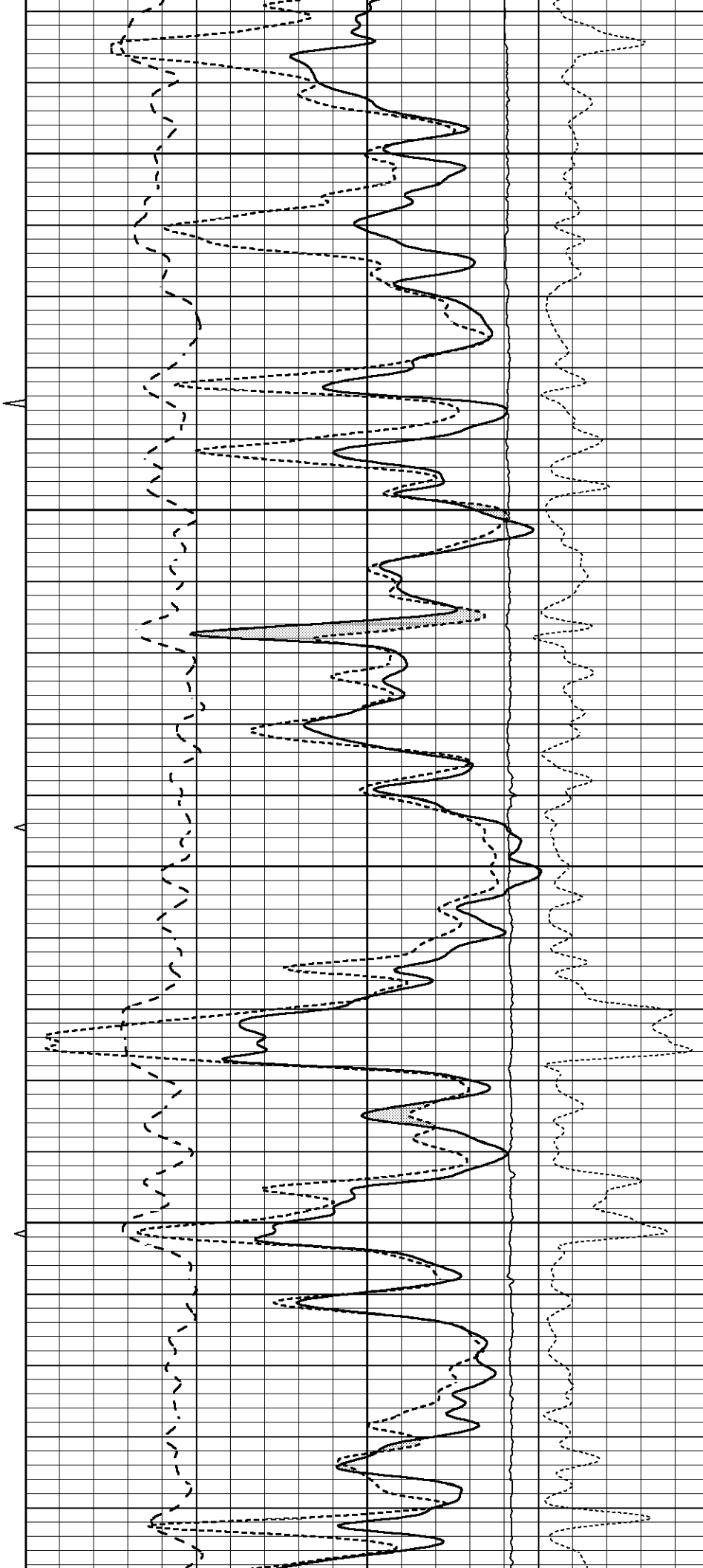


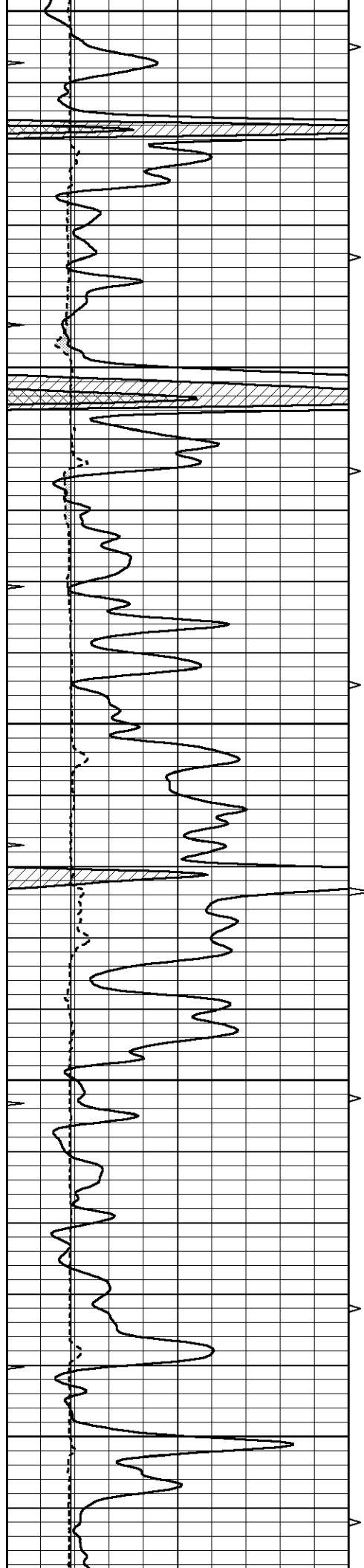
4000

4050

4100

4150





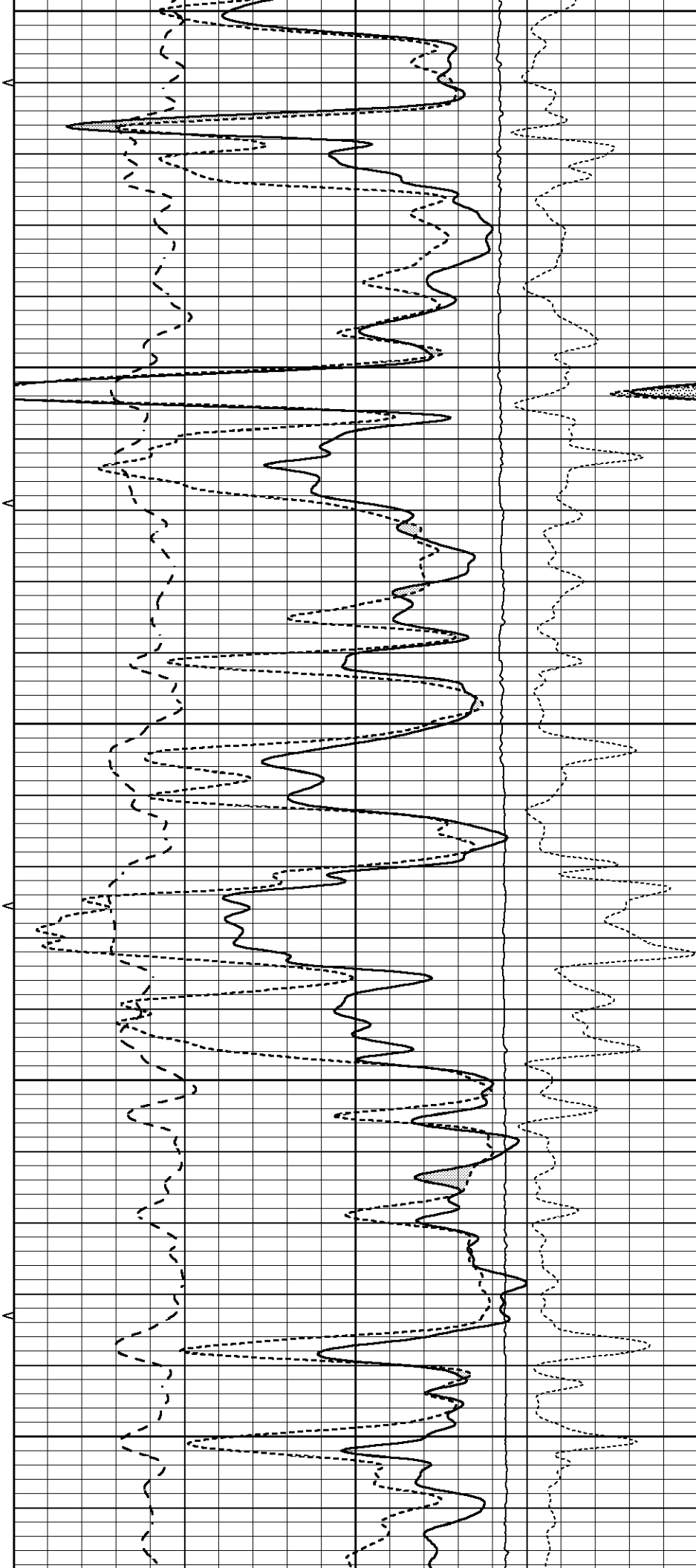
4200

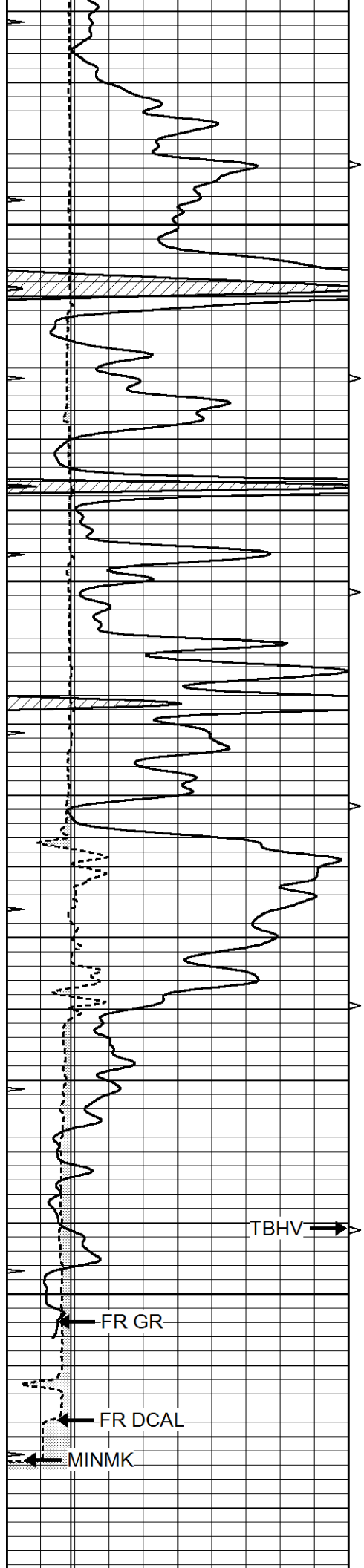
4250

4300

4350

4400





4450

4500

4550

5.5" ABHV

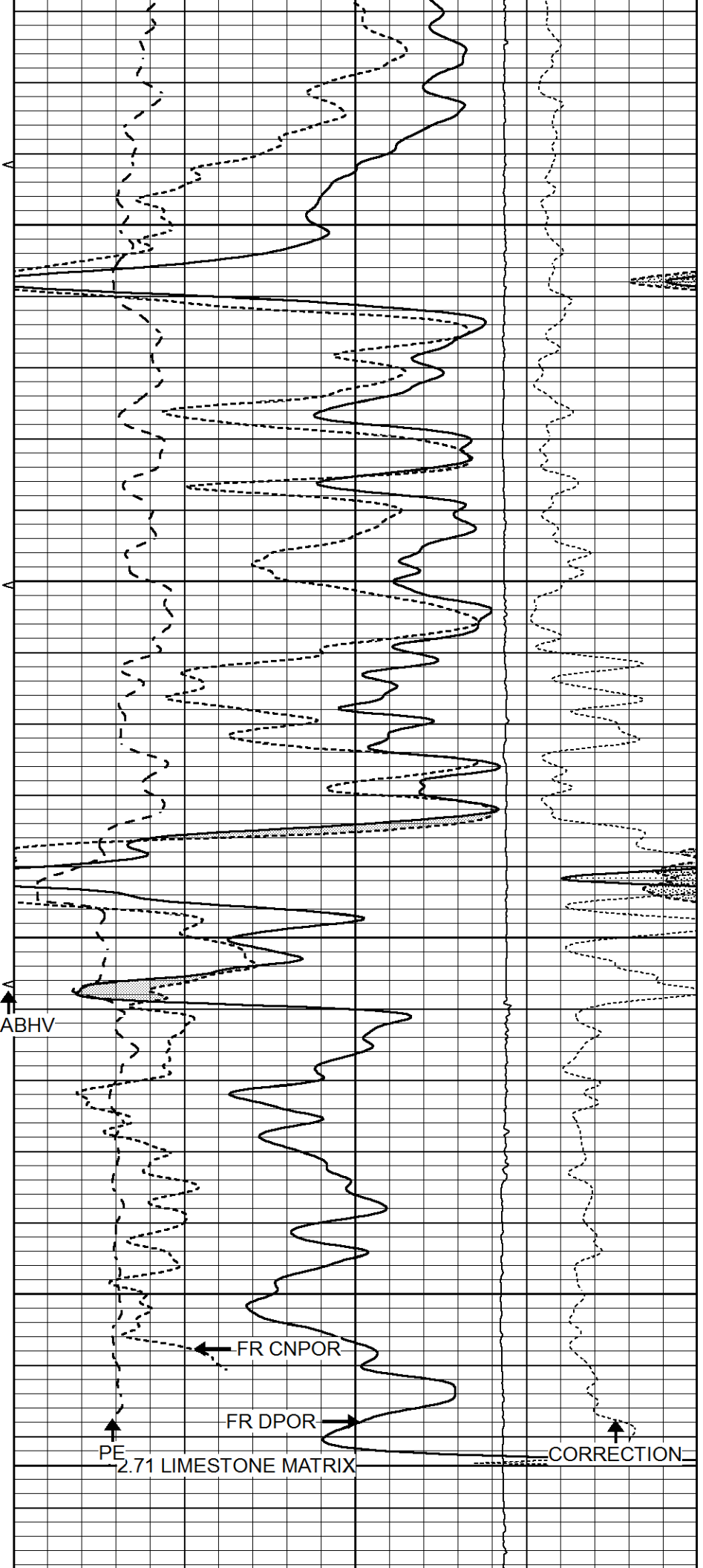
4600

FR GR

FR DCAL

MINMK

TBHV →

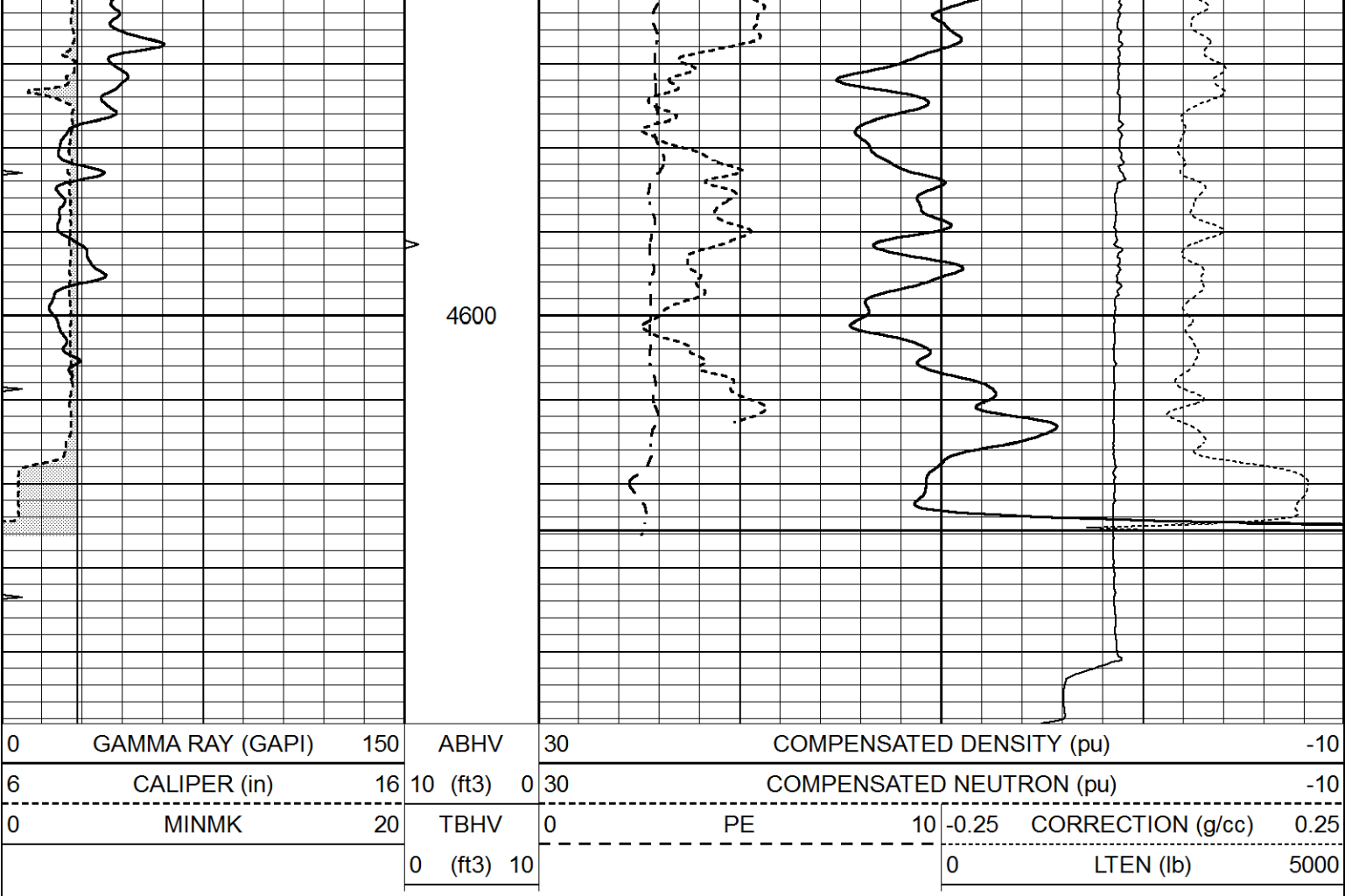


PE

FR DPOR

CORRECTION

2.71 Limestone Matrix



Calibration Report									
Database File	8481pe.db								
Dataset Pathname	pass3.1M								
Dataset Creation	Sun Apr 07 16:08:58 2024								
Dual Induction Calibration Report									
Serial-Model:					PROBE8-DILG				
Surface Cal Performed:					Sun Apr 07 15:24:08 2024				
Downhole Cal Performed:					Mon Aug 14 00:39:25 2023				
After Survey Verification Performed:					Mon Jul 28 11:08:27 2008				
Surface Calibration									
Readings				References			Results		
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.015	0.648	V	0.000	400.000	mmho/m	660.000	12.000	
Medium	0.029	0.796	V	0.000	464.000	mmho/m	650.000	0.000	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619	
Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739	
Downhole Calibration									
Readings				References			Results		
	Zero	Cal		Zero	Cal		m'	b'	
Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000	
Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000	
LL3		7.500	V		1500.000	Ohm-m			

		0.000	V		20.000	Ohm-m		
		-7.200	V		3800.000	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: 004 Model: PRB								
Master Calibration					Performed Tue Aug 02 11:29:35 2022			
	Background		Magnesium		Aluminum		Aluminum+Fe	
Window 1	1154.2		10019.5		3137.9		2795.6	cps
Window 2	1054.4		8597.6		2733.4		2469.5	cps
Window 3	902.3		5241.4		1832.1		1719.3	cps
Window 4	251.9		261.1		255.8		252.9	cps
Long Space	0.0		7543.2		1679.0		1415.0	cps
Short Space	4.4		2049.3		1321.7		1116.8	cps
Rho			1.7100		2.5900		0.0000	g/cc
Pe			2.0000		2.7500		5.7900	
Rib Angle	: 43.7		Rib Slope	: 0.957	Density/Spine Ratio		: 0.562	
Spine Angle	: 73.7		Spine Slope	: 3.426	Spine Intercept		: -17.2	
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:					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:	Wed Mar 20 11:08:27 2024		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.3000	GAPI/cps	