

**COMPENSATED
DENSITY / NEUTRON
PE LOG**

Company ARCADIAN RESOURCES, LLC.
Well ELI UNIT #30-1
Field UNNAMED
County CHEYENNE **State** KANSAS

Location: API #: 15-023-21635-0000
 1100' FSL & 100' FWL
 NW - NW - SW - SW
 SEC 30 TWP 2S RGE 41W
Permanent Datum GROUND LEVEL **Elevation** 3696
Log Measured From KELLY BUSHING 7' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services DILMEL
Elevation K.B. 3703
 D.F. 3701
 G.L. 3696

Company	ARCADIAN RESOURCES, LLC.
Well	ELI UNIT #30-1
Field	UNNAMED
County	CHEYENNE
State	KANSAS
Date	9/6/23
Run Number	ONE
Depth Driller	5120
Depth Logger	5120
Bottom Logged Interval	5096
Top Log Interval	4100
Casing Driller	8 5/8"@391'
Casing Logger	391
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.4/53
pH / Fluid Loss	10.0/8.0
Source of Sample	FLOWLINE
Rm @ Meas. Temp	1.40@89F
Rmf @ Meas. Temp	1.05@89F
Rmc @ Meas. Temp	1.68@89F
Source of Rmf / Rmc	MEASUREMENT
Rm @ BHT	.989@126F
Time Circulation Stopped	2.5 HOURS
Time Logger on Bottom	12:30 P.M.
Maximum Recorded Temperature	126F
Equipment Number	922339
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	SEAN DEENIHAN

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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.

15-023-21635-0000 Comments

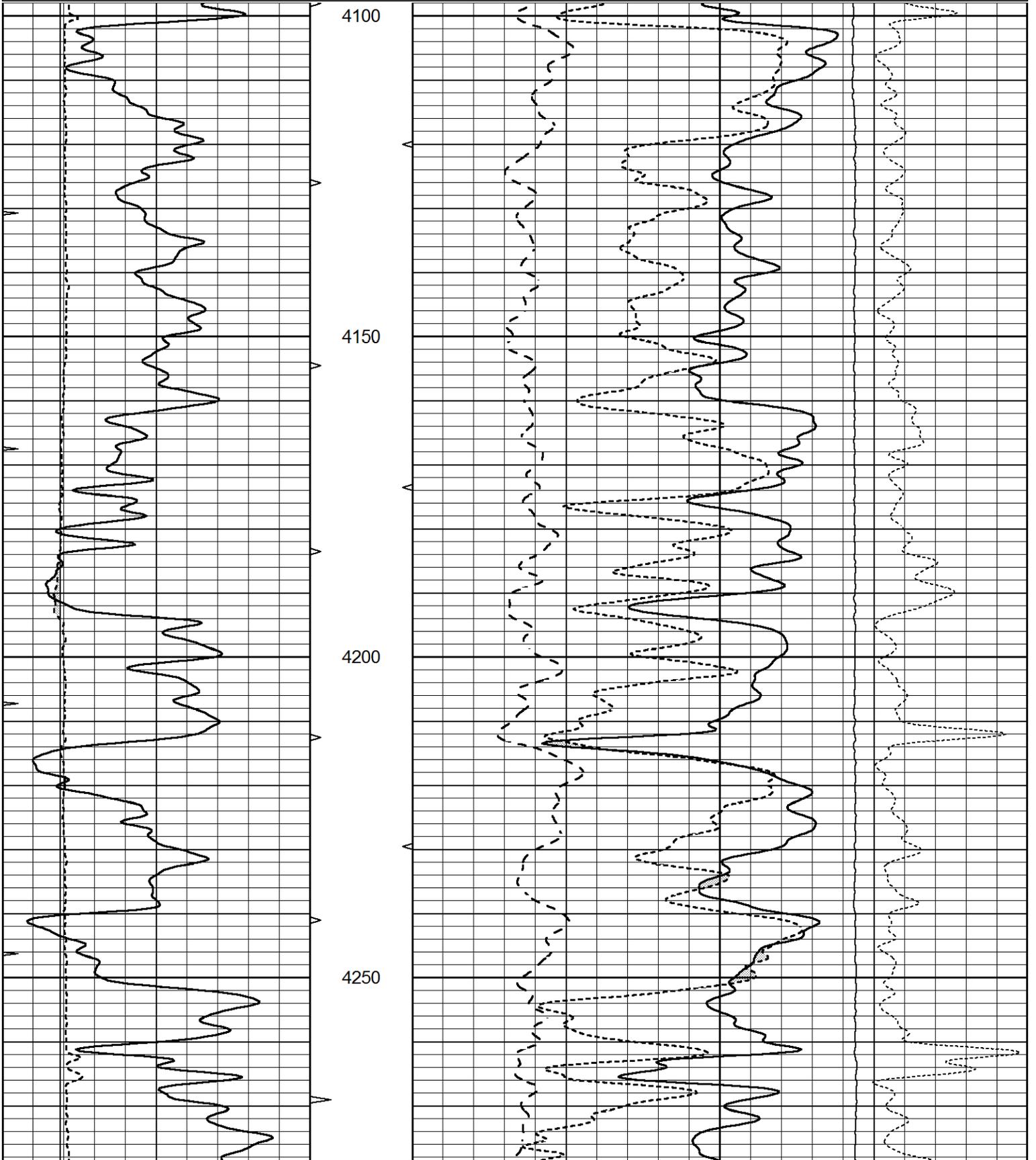
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
 DIRECTIONS
 ST FRANCIS, KS., N. ON HWY 27 TO CURVE, W. TO CURVE NORTH, JOG W. ON COUNTY RD. TO
 "T", 1/2S. TO RED BARN, 2W., 1/4N., E. SIDE

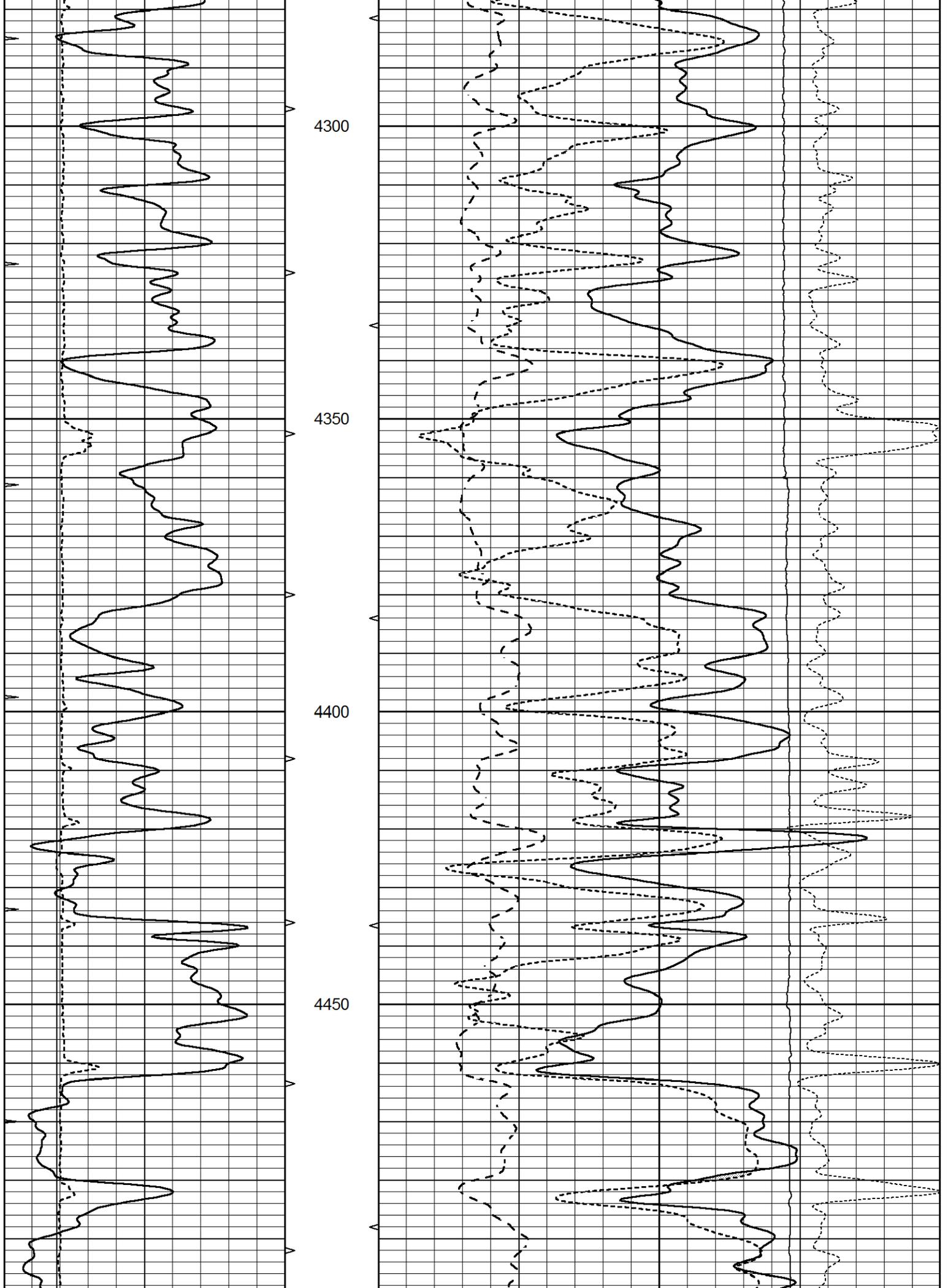


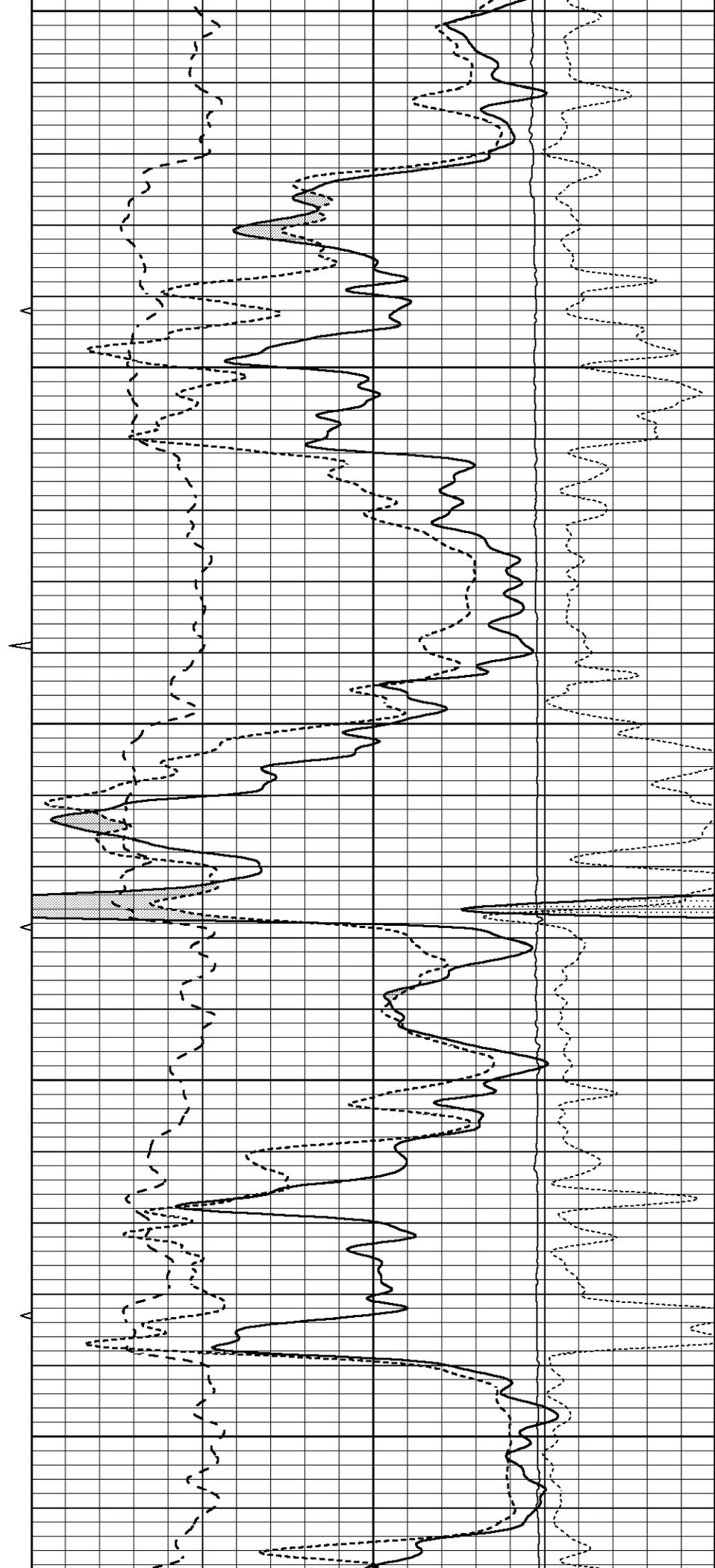
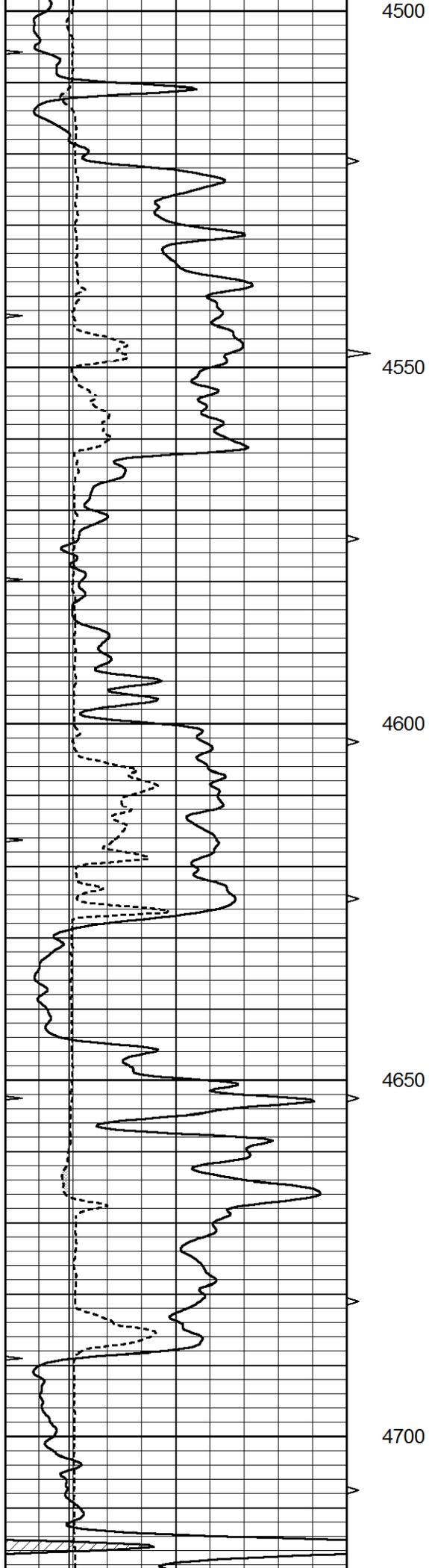
MAIN SECTION

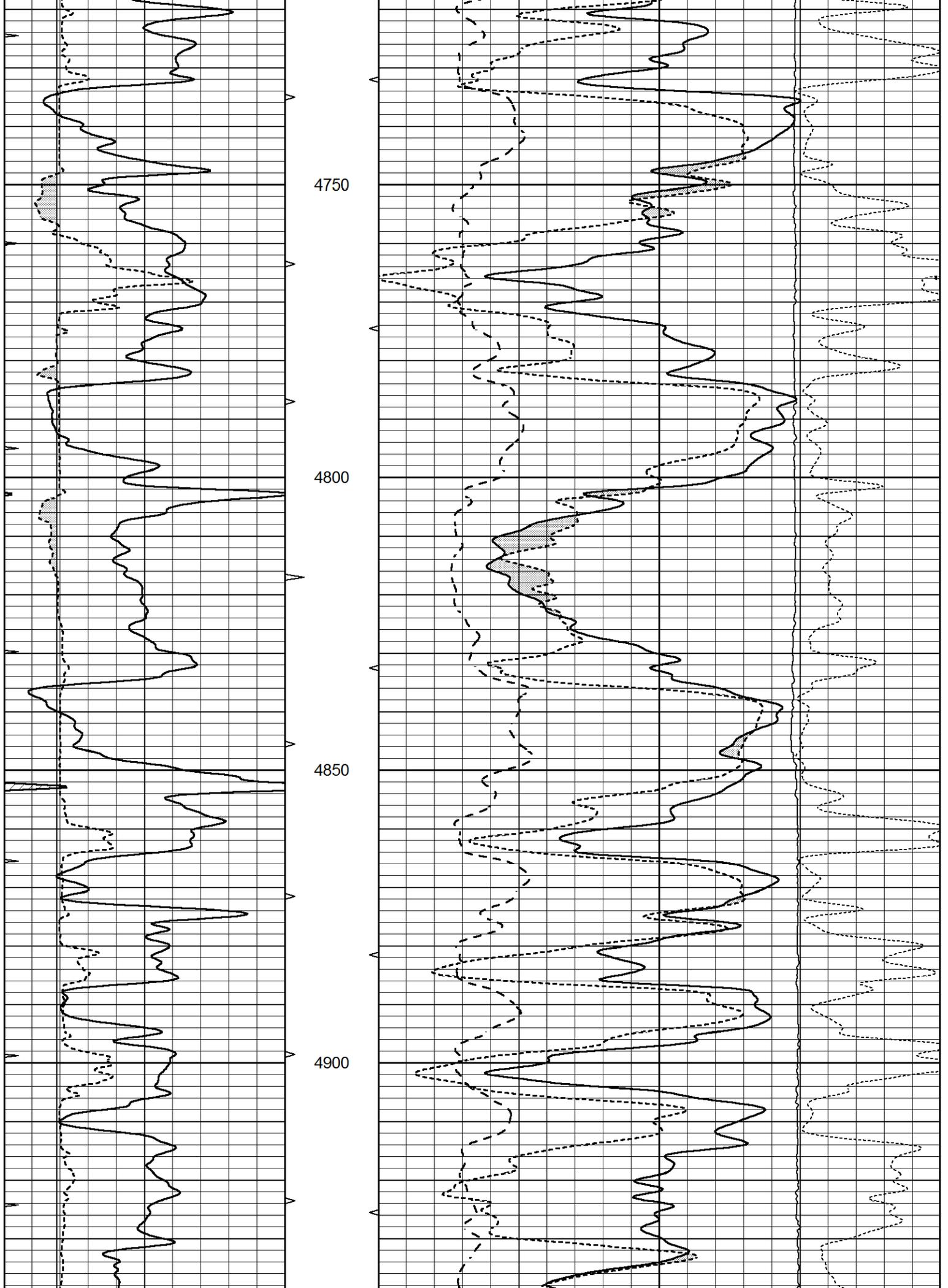
Database File 8208pe.db
 Dataset Pathname pass3.1M
 Presentation Format _ldt_neu
 Dataset Creation Wed Sep 06 13:49:15 2023
 Charted by Depth in Feet scaled 1:240

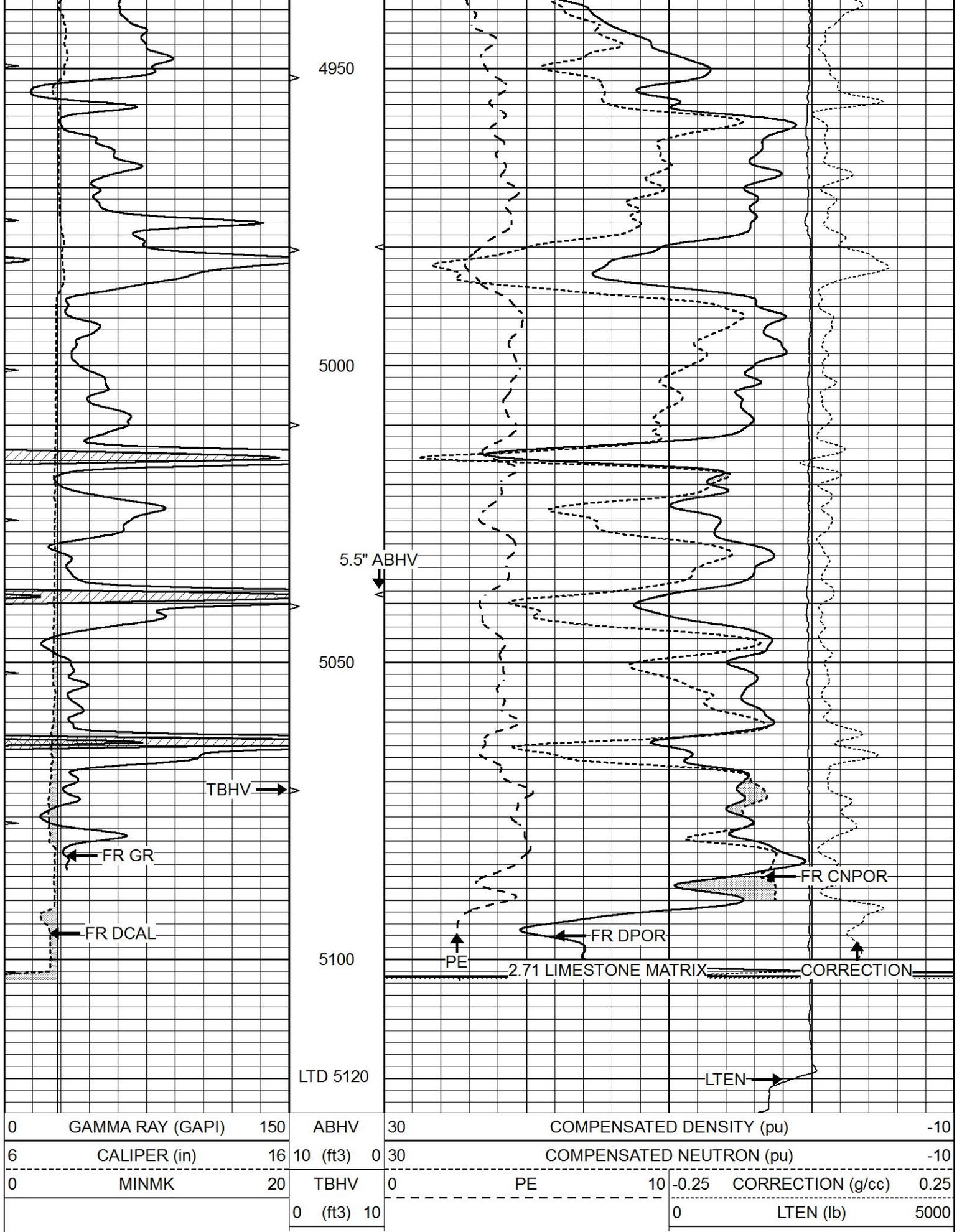
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)			-10	
6	CALIPER (in)	16	10 (ft3)	0	COMPENSATED NEUTRON (pu)			-10	
0	MINMK	20	TBHV	0	PE	10	-0.25	CORRECTION (g/cc)	0.25
			0 (ft3)	10			0	LTEN (lb)	5000









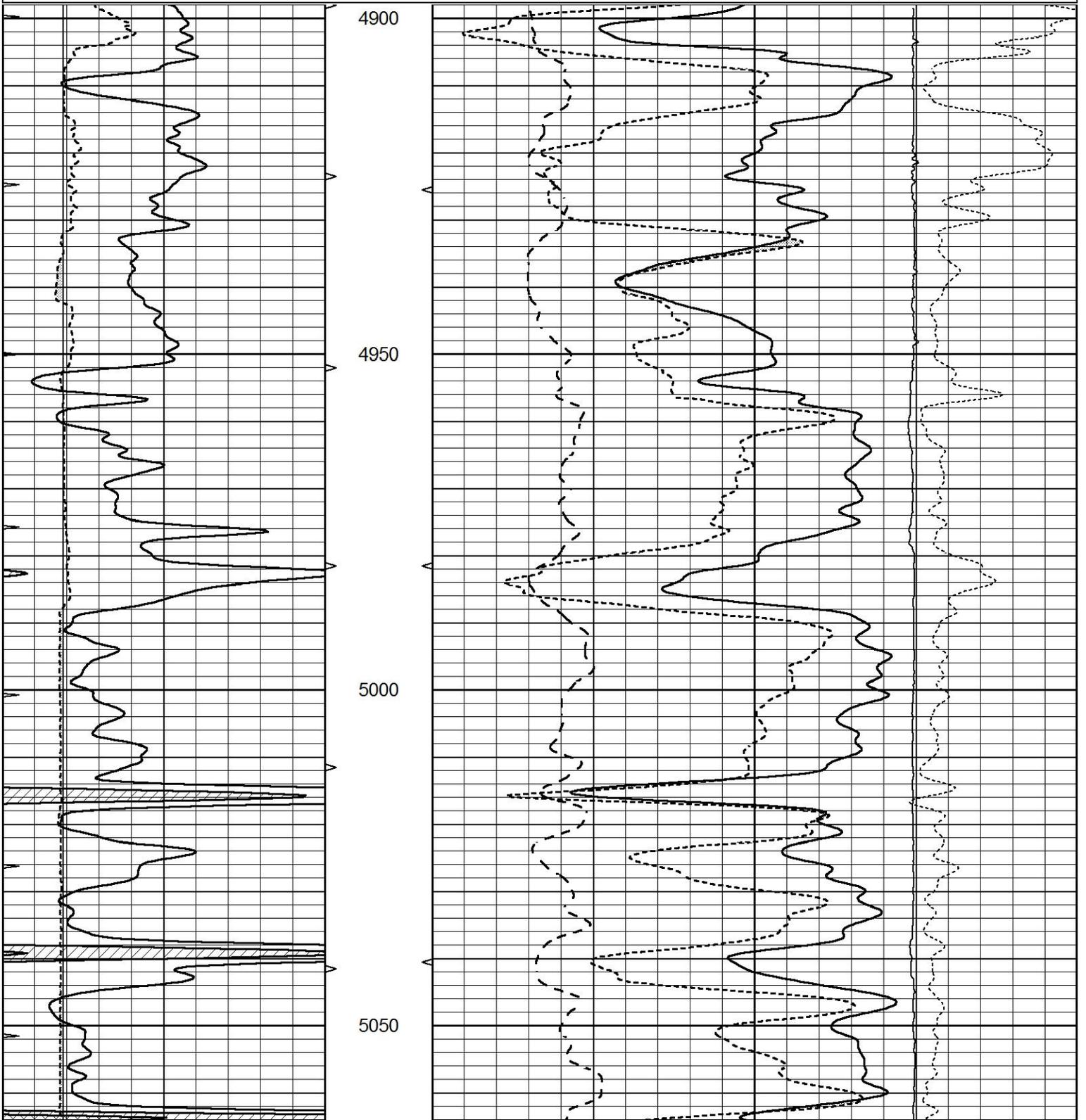


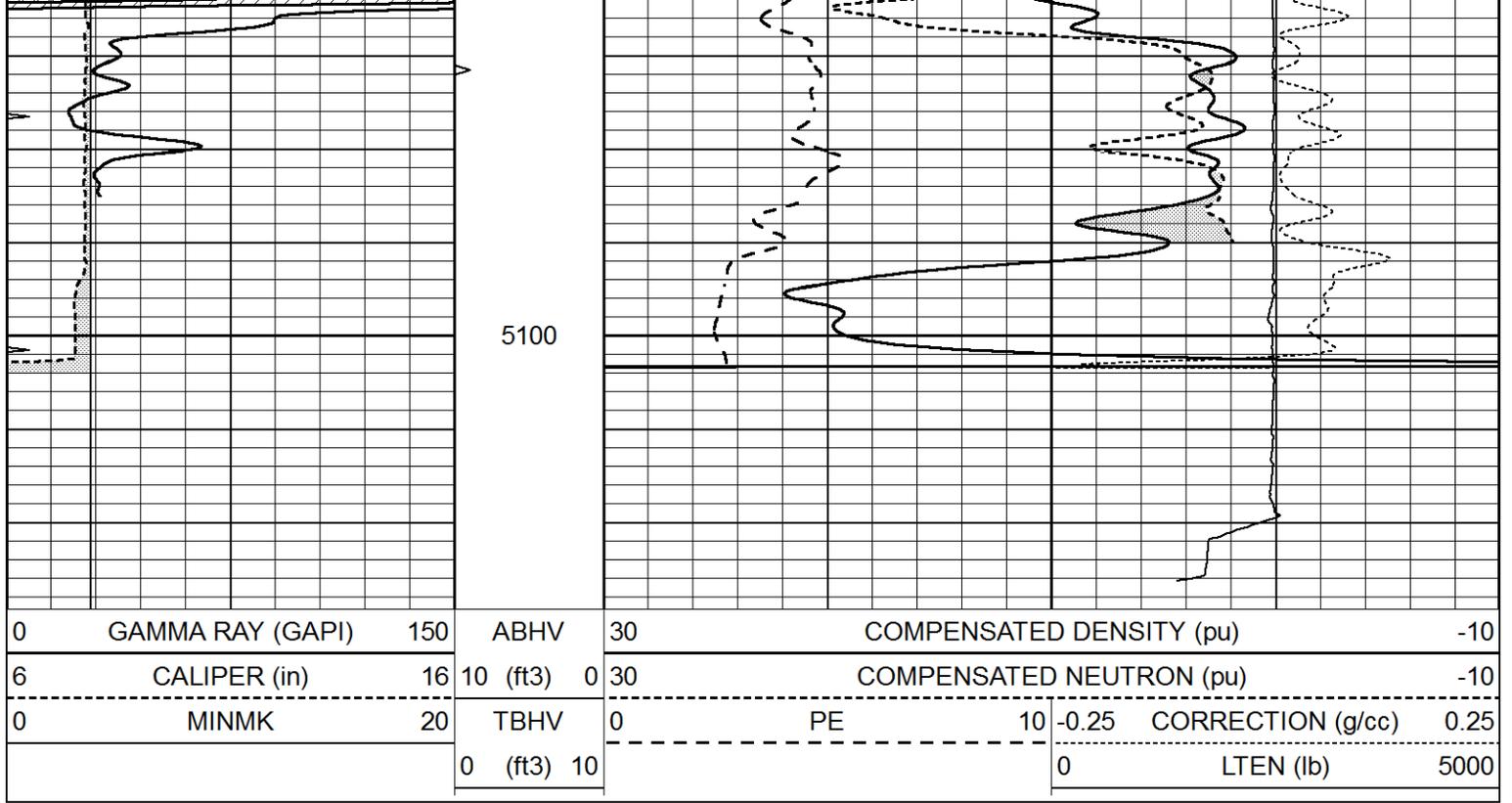
REPEAT SECTION



Database File 8208pe.db
 Dataset Pathname pass2.1R
 Presentation Format _ldt_neu
 Dataset Creation Wed Sep 06 13:28:20 2023
 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	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





Calibration Report

Database File 8208pe.db
 Dataset Pathname pass3.1M
 Dataset Creation Wed Sep 06 13:49:15 2023

Dual Induction Calibration Report

Serial-Model: DIL7-GEAR
 Surface Cal Performed: Wed Sep 06 12:50:34 2023
 Downhole Cal Performed: Tue Apr 17 15:38:44 2007
 After Survey Verification Performed: Tue Apr 17 15:38:40 2007

Surface Calibration

Loop:	Readings			References			Results	
	Air	Loop	V	Air	Loop	mmho/m	m	b
Deep	0.019	0.660	V	0.000	400.000	mmho/m	660.000	18.000
Medium	-0.006	0.655	V	0.000	462.500	mmho/m	720.000	-18.000
Internal:	Zero	Cal	V	Zero	Cal	mmho/m	m	b
Deep	0.010	0.665	V	0.000	400.000	mmho/m	610.018	-5.925
Medium	0.009	0.655	V	0.000	400.000	mmho/m	618.983	-5.564

Downhole Calibration

Internal:	Readings			References			Results	
	Zero	Cal	V	Zero	Cal	mmho/m	m	b
Deep	3.372	400.834	mmho/m	0.556	401.206	mmho/m	1.008	-2.843
Medium	13.557	467.446	mmho/m	9.465	462.114	mmho/m	0.997	-4.055
Shallow	2.521	0.019	V	500.000	2.000	Ohm-m	250.000	2.500

After Survey Verification

Readings Targets Results

Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	3.372	400.834	mmho/m	1.008	-2.843
Medium	0.000	0.000	mmho/m	13.557	467.446	mmho/m	0.997	-4.055
Shallow	2.500	0.000	Ohm-m	500.000	2.000	Ohm-m	250.000	0.000

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 Aug 23 13:21:36 2023	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.3000	GAPI/cps