



**COMPENSATED
DENSITY/NEUTRON
PE LOG**

Company RAYDON EXPLORATION
Well KREHBIEL #1-21
Field UNNAMED
County FINNEY
State KANSAS

Company RAYDON EXPLORATION
Well KREHBIEL #1-21
Field UNNAMED
County FINNEY State KANSAS

Location: API #: 15-055-22550-0000
1980' FSL & 660' FEL
SEC 21 TWP 21S RGE 33W
Permanent Datum GROUND LEVEL Elevation 2909
Log Measured From KELLY BUSHING 9' A.G.L
Drilling Measured From KELLY BUSHING
Elevation
K.B. 2918
D.F. 2916
G.L. 2909

Date	2/13/22	
Run Number	ONE	
Depth Driller	5100	
Depth Logger	5100	
Bottom Logged Interval	5086	
Top Log Interval	3600	
Casing Driller	8 5/8" @ 1810	
Casing Logger	1810	
Bit Size	7 7/8	
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4000
Density / Viscosity	9.2/65	
pH / Fluid Loss	10.5/6.0	
Source of Sample	FLOWLINE	
Rm @ Meas. Temp	1.0@60F	
Rmt @ Meas. Temp	.75@60F	
Rmc @ Meas. Temp	1.2@60F	
Source of Rmf / Rmc	MEASUREMENT	
Rm @ BHT	.47@127	
Time Circulation Stopped	2 HOURS	
Time Logger on Bottom	////	
Maximum Recorded Temperature	126F	
Equipment Number	3802	
Location	HAYS, KANSAS	
Recorded By	JASON CAPPELLUCCI	TJ DREILING
Witnessed By	ED GRIEVES	

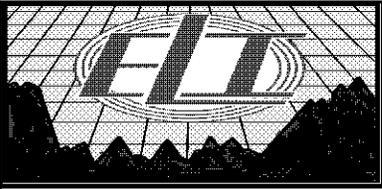
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on 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

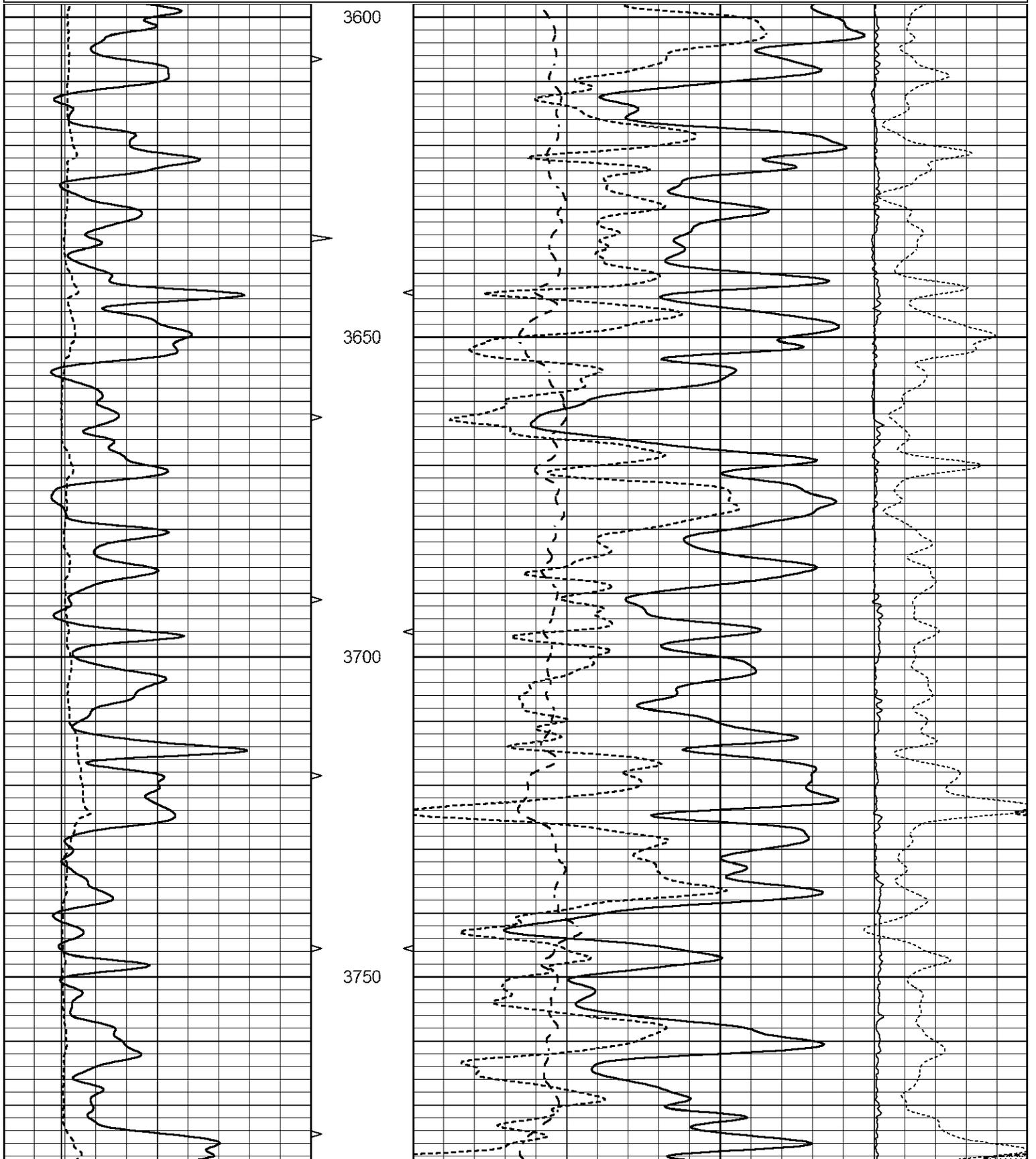
-SCOTT CITY KANSAS SOUTH ON HIGHWAY 83 TO GANO ROAD,
-WEST 3 MILES TO SHERLOCK ROAD, -1 1/4 MILE NORTH,
-WEST INTO

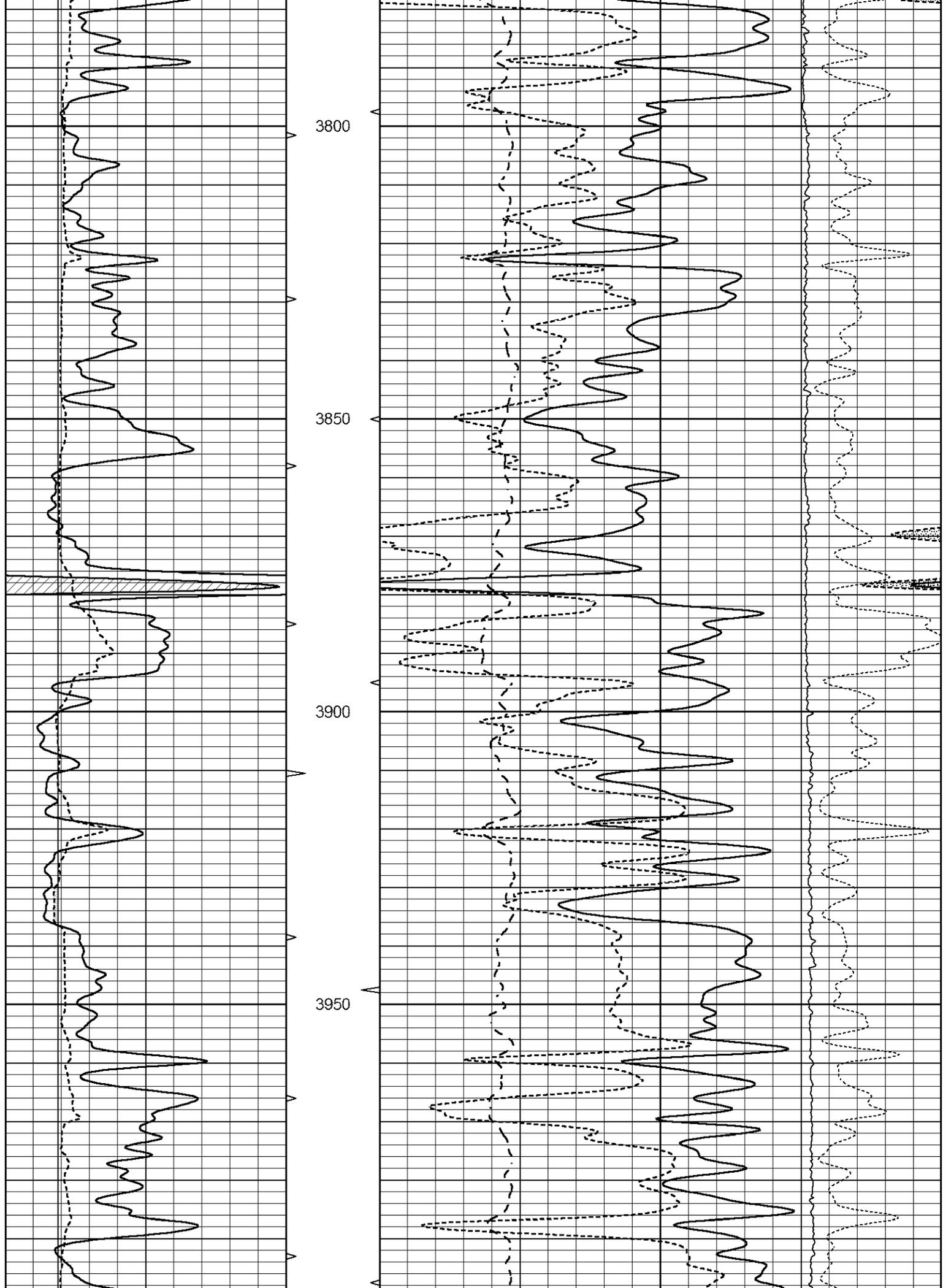


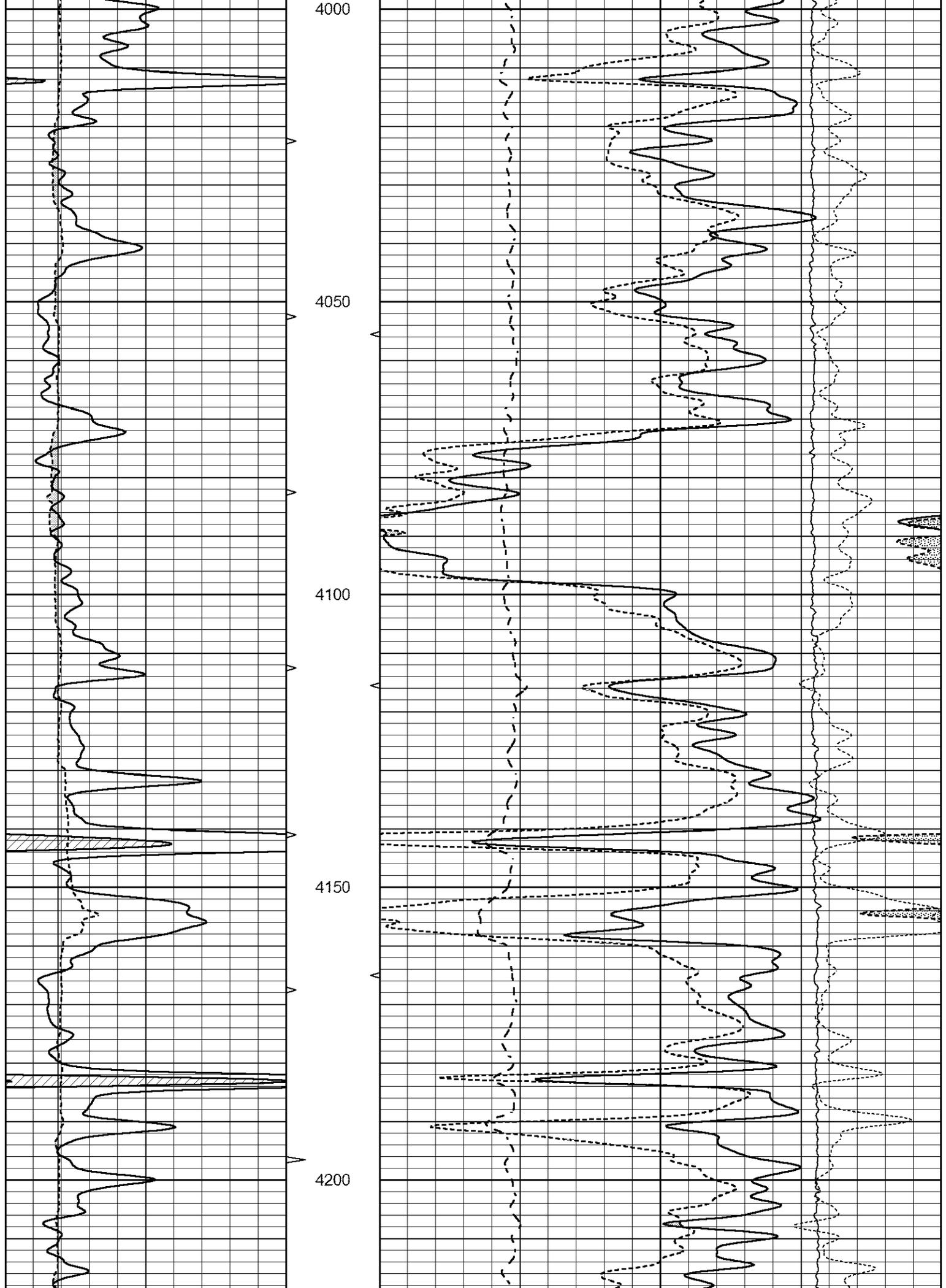
MAIN SECTION

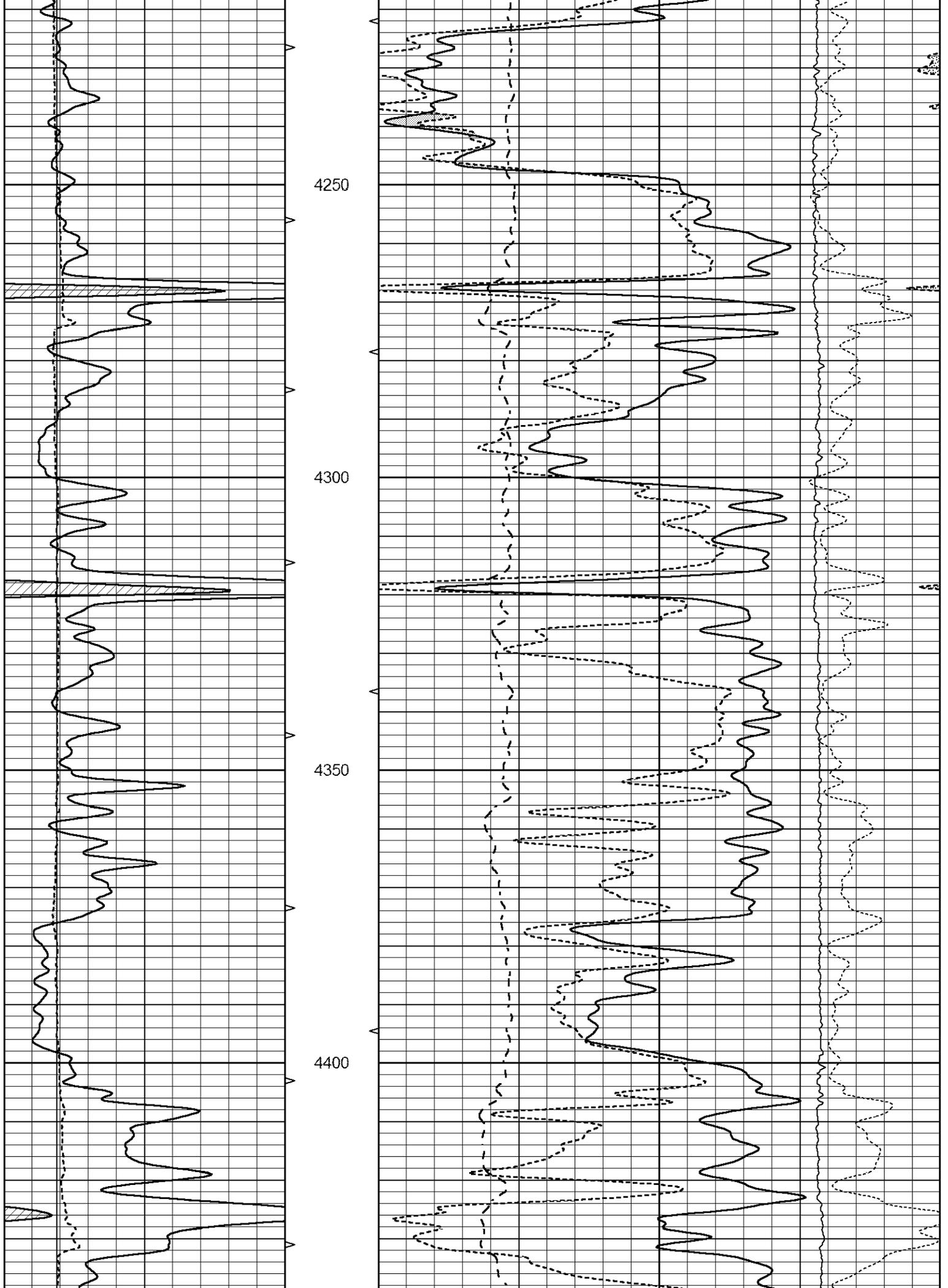
Database File 6239pe.db
 Dataset Pathname pass4.1
 Presentation Format _ldt_neu
 Dataset Creation Mon Feb 14 01:18:28 2022
 Charted by Depth in Feet scaled 1:240

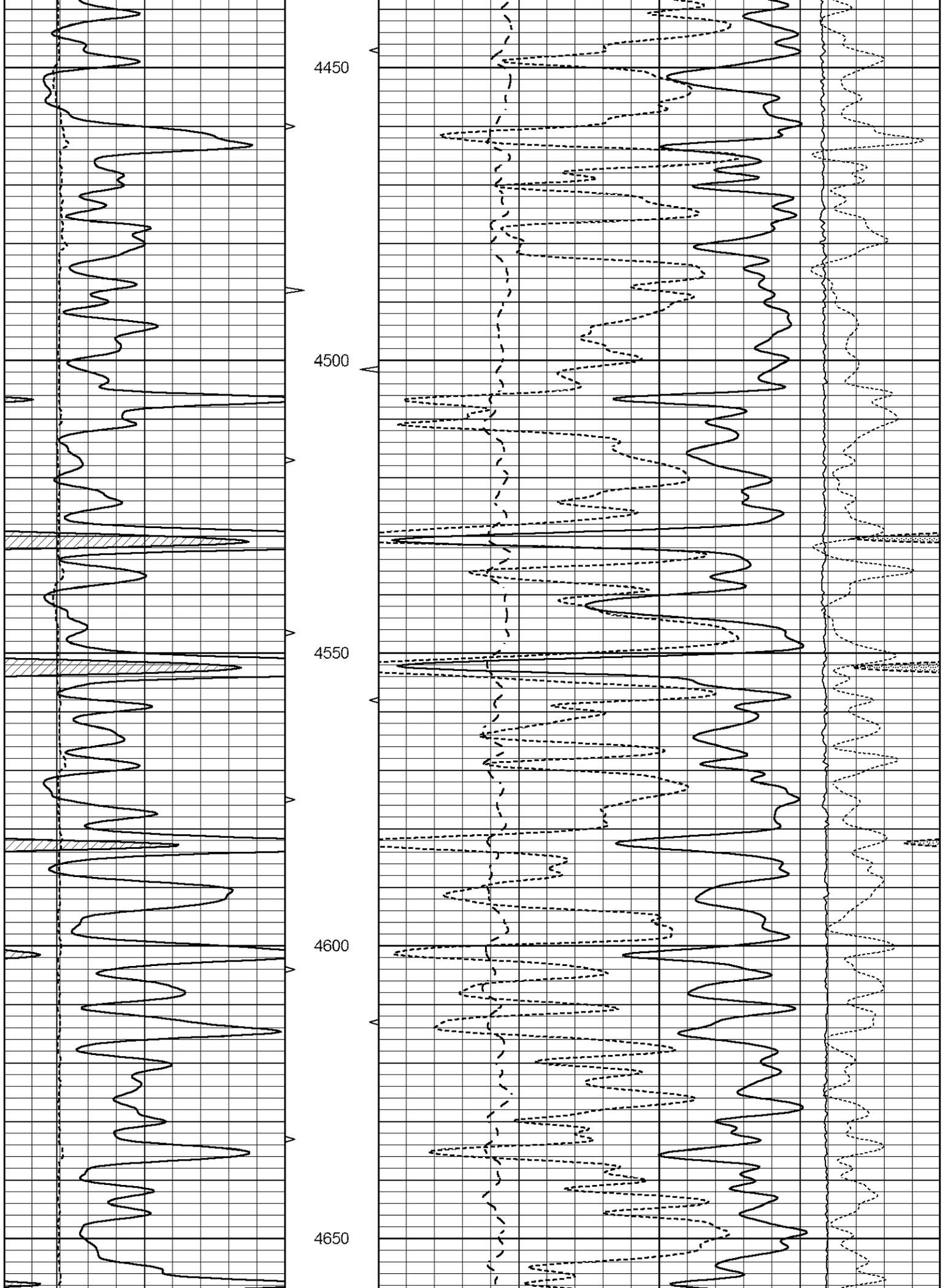
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)		-10
6	CALIPER (in)	16	10 (ft3)	0	COMPENSATED NEUTRON (pu)		-10
			TBHV	0	PE	10	-0.25
			0 (ft3)	10	CORRECTION (g/cc)		0.25
					0	LTEN (lb)	5000

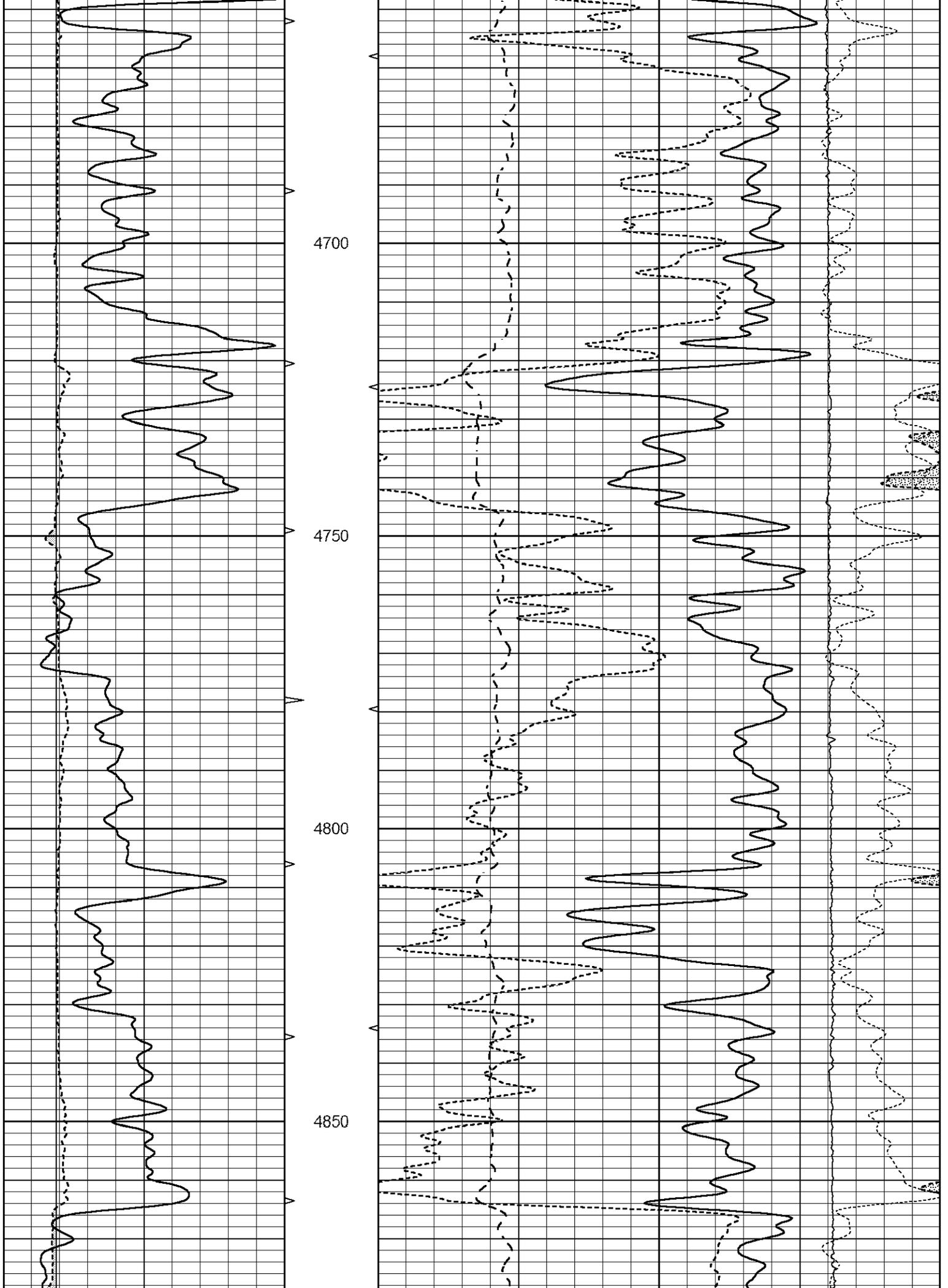


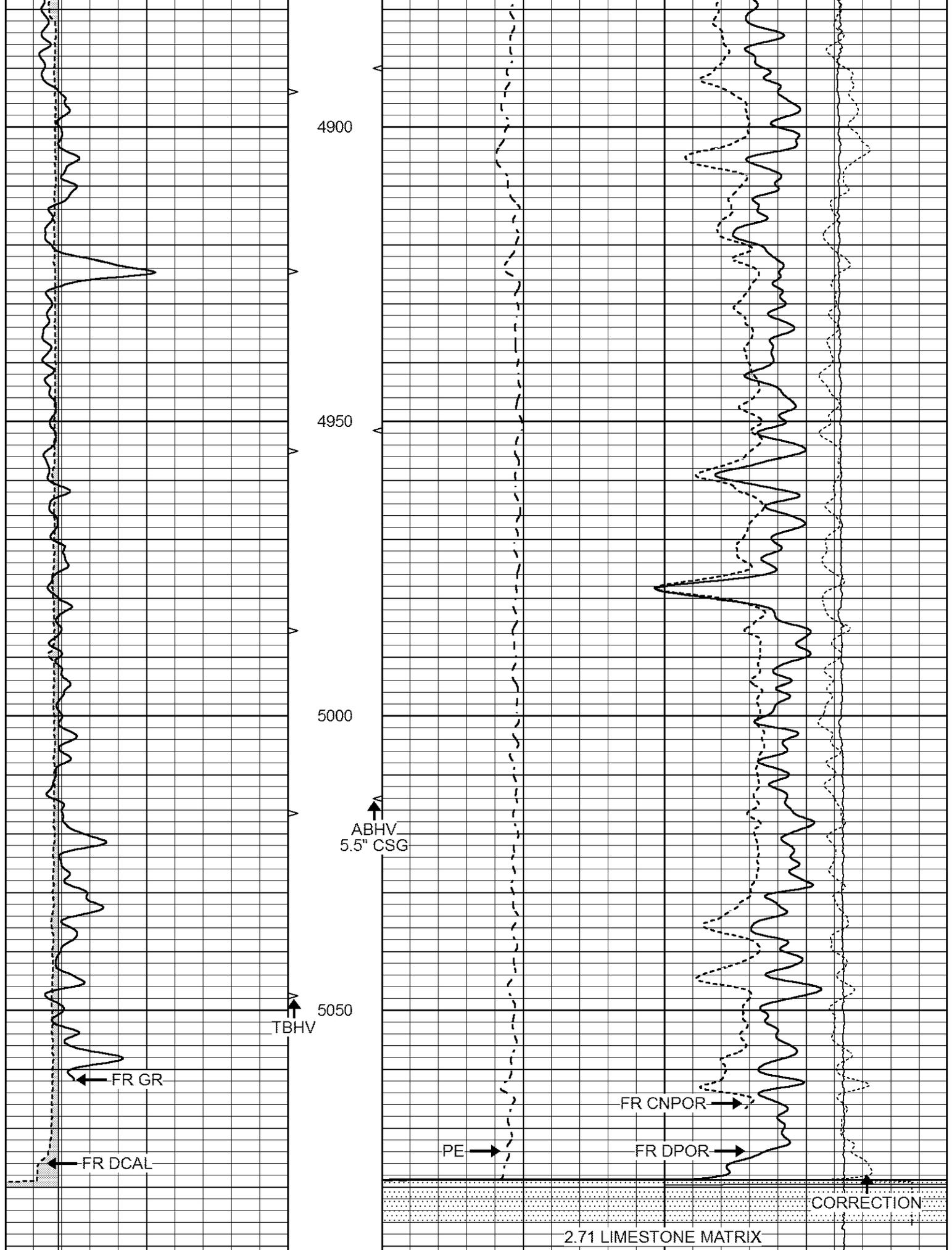




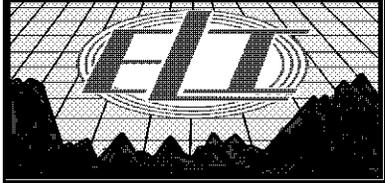








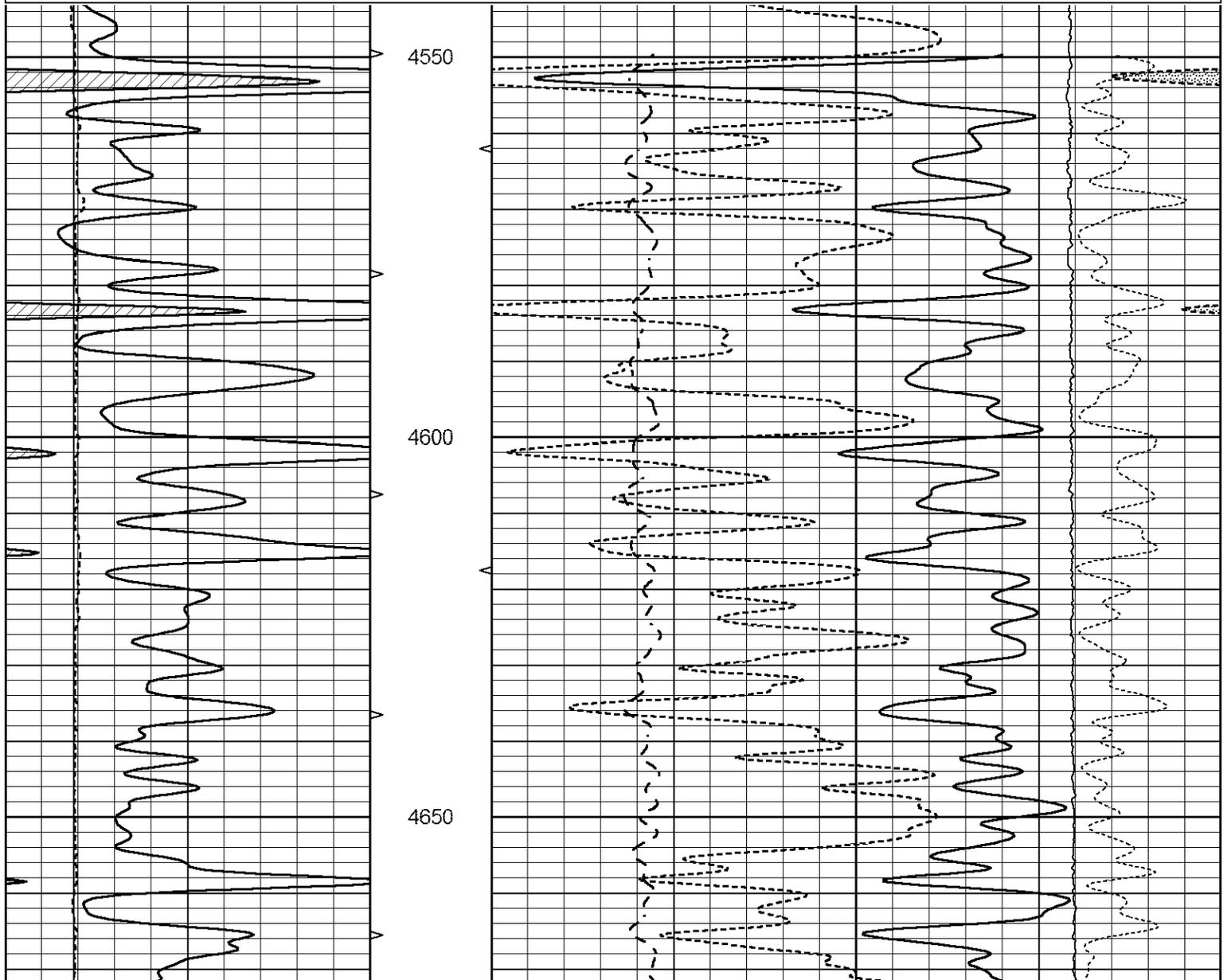
		LTD 5100		Line Tension →	
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu) -10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu) -10
-----			TBHV	0	PE 10 -0.25 CORRECTION (g/cc) 0.25
			0 (ft3) 10	0	LTEN (lb) 5000

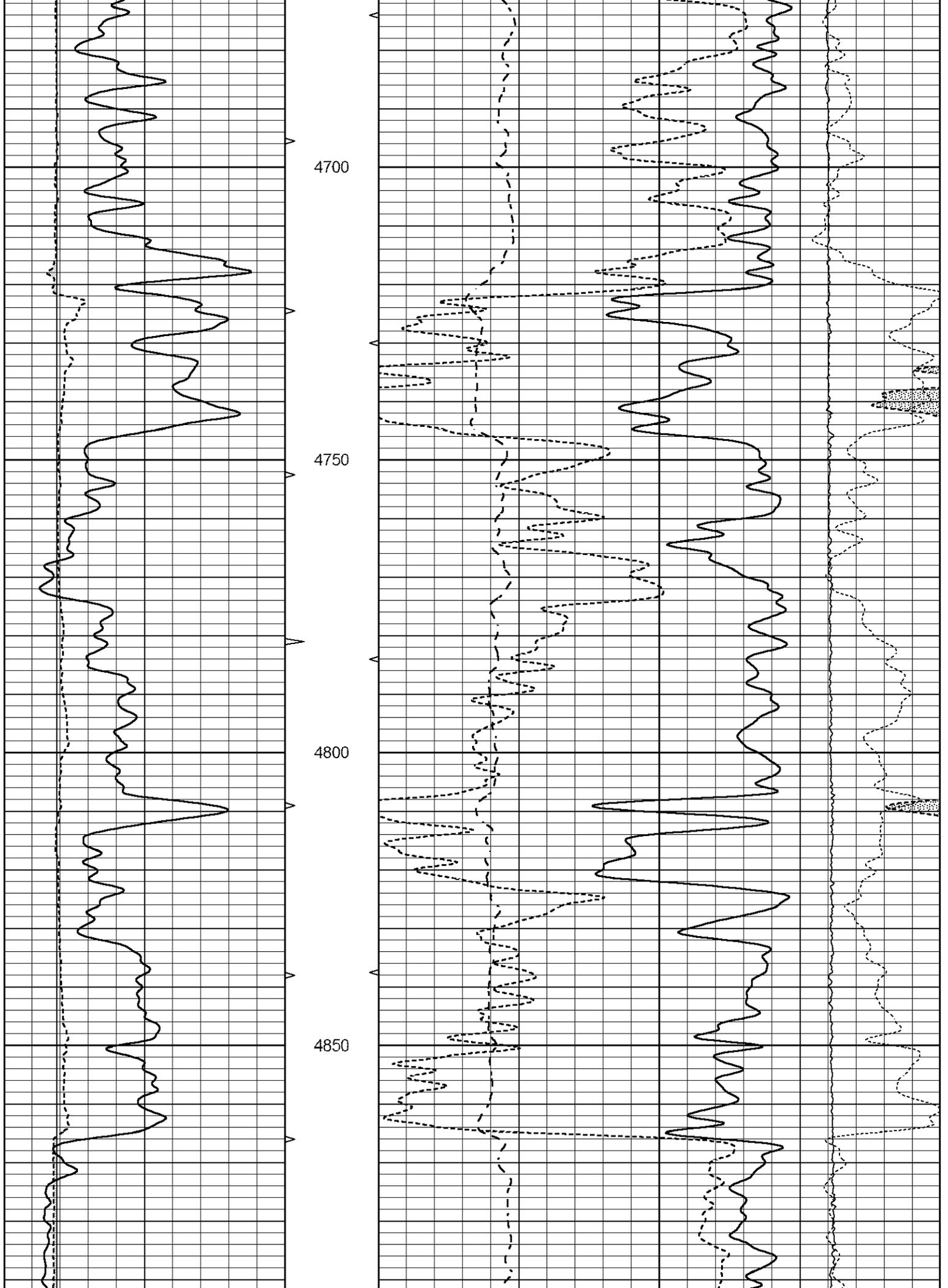


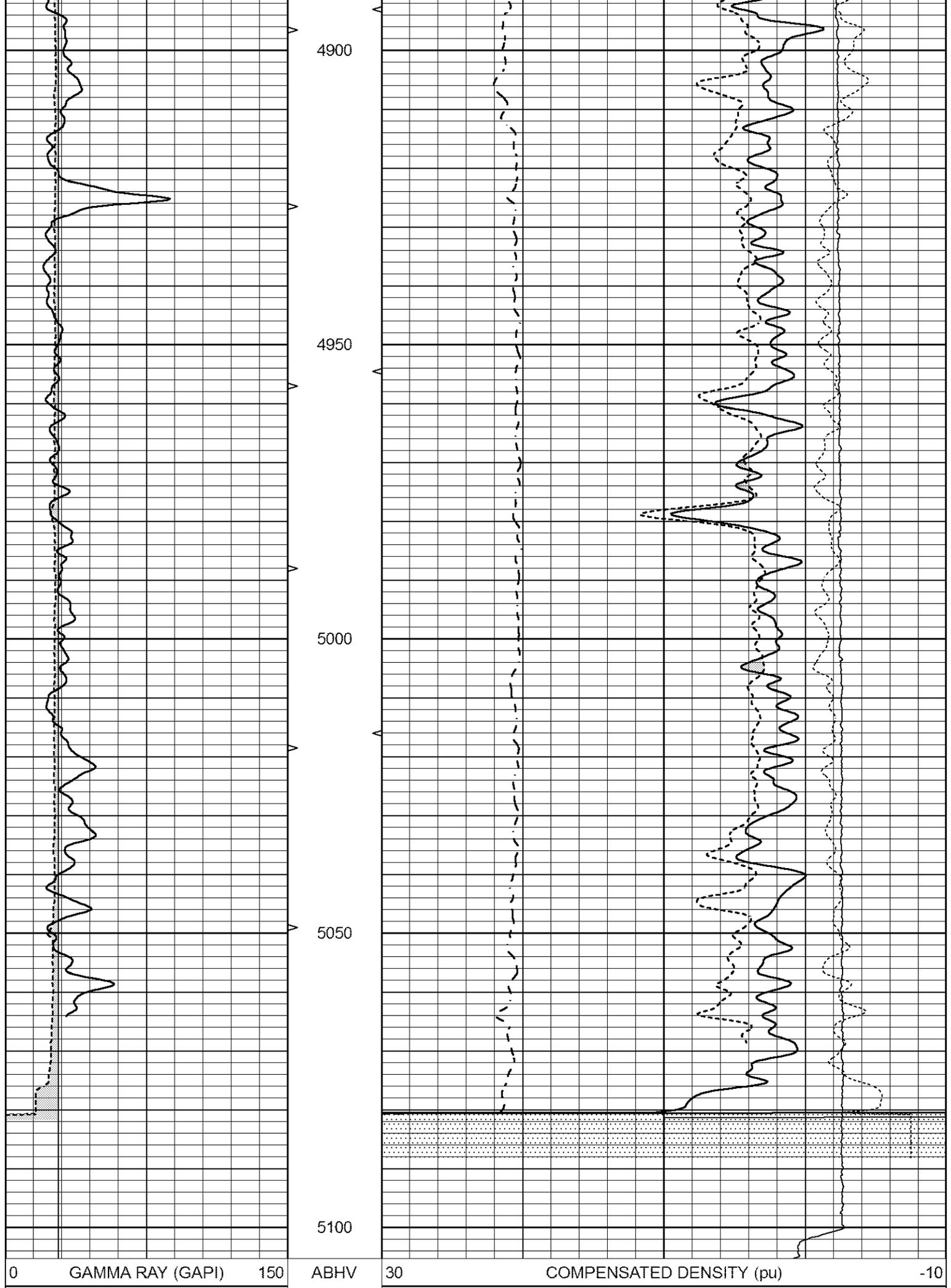
REPEAT SECTION

Database File 6239pe.db
 Dataset Pathname pass3.1
 Presentation Format _ldt_neu
 Dataset Creation Mon Feb 14 01:14:36 2022
 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
-----			TBHV	0	PE 10 -0.25 CORRECTION (g/cc) 0.25
			0 (ft3) 10	0	LTEN (lb) 5000







6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)	-10
	TBHV	0		PE	10	-0.25	CORRECTION (g/cc) 0.25
	0 (ft3)	10				0	LTEN (lb) 5000

Calibration Report

Database File 6239pe.db
 Dataset Pathname pass4.1
 Dataset Creation Mon Feb 14 01:18:28 2022

Dual Induction Calibration Report

Serial-Model: FW1410-56-Probe
 Surface Cal Performed: Mon Jun 15 22:52:02 2020
 Downhole Cal Performed: Tue Jul 25 12:15:37 2017
 After Survey Verification Performed: Tue Jul 25 12:15:38 2017

Surface Calibration

Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	0.008	0.765	V	1.000	400.000	mmho/m	400.061	-3.201
Medium	-0.056	0.761	V	1.000	464.000	mmho/m	425.187	32.510
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: 140703
 Model: V4_10P
 Source Number: 74GBq-19

Master Calibration

Performed: Tue Jan 25 14:00:06 2022

	Background	Aluminum	Magnesium	
Window 1	536.63	5366.27	23525.73	cps
Window 2	42.91	1241.07	5903.94	cps
Window 4	234.22	1197.63	5056.39	cps
Window 5	470.91	9159.65	17426.67	cps
Window 6	30.83	648.89	1219.18	cps

Window 8	256.26	4659.94	9003.51	cps	
Bulk Density	-	2.6020	1.6830	g/cc	
Pe	-	3.0000	2.5070	b/e	
LS Alpha:	: -1.8361	SS Alpha:	: -0.7848	LS CPE:	: 1.0879
LS Beta:	: 117533.3616	SS Beta:	: 35294.5337	SS CPE:	: 5.9752

Before Survey Background Counts Verification			Performed: Wed Dec 31 18:00:00 1969	
Window 1	0.00	cps		
Window 2	0.00	cps		
Window 4	0.00	cps		
Window 5	0.00	cps		
Window 6	0.00	cps		
Window 8	0.00	cps		

After Survey Background Counts Verification			Performed: Wed Dec 31 18:00:00 1969	
Window 1	0.00	cps		
Window 2	0.00	cps		
Window 4	0.00	cps		
Window 5	0.00	cps		
Window 6	0.00	cps		
Window 8	0.00	cps		

Lithodensity Caliper Calibration				Performed: Tue Jan 25 14:00:06 2022	
Results	Readings		References (in)		
<u>Low</u>	<u>High</u>	<u>Low</u>	<u>High</u>	<u>Gain</u>	<u>Offset</u>
10332.0	13596.9	8.0	14.0	0.0	-11.0

Before Survey Caliper Verification			Performed:		
	Reference	Reading			
Caliper (in)	_____	_____			

After Survey Caliper Verification			Performed:		
	Reference	Reading			
Caliper (in)	_____	_____			

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
Long Space

cps
cps

pu

pu

Gamma Ray Calibration Report

Serial Number:	7	
Tool Model:	Probe1	
Performed:	Tue Jan 19 17:50:08 2021	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.5300	GAPI/cps