

COMPENSATED DENSITY/NEUTRON PE LOG

Company VINCENT OIL CORPORATION

Well LIX #1-8

Field

County FORD

State KANSAS

Location: API #: 15-057-21056-0000

1874' FNL & 1895' FEL

SEC 8 TWP 26S RGE 24W

Permanent Datum GROUND LEVEL Elevation 2532
Log Measured From KELLY BUSHING 12' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
DIL/MEL
SONIC

Elevation

K.B. 2544
D.F. 2542
G.L. 2532

Date 9/23/21

Run Number ONE

Depth Driller 5070

Depth Logger 5073

Bottom Logged Interval 5049

Top Log Interval 4100

Casing Driller 8 5/8" @ 396

Casing Logger 396

Bit Size 7 7/8

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.2/60

pH / Fluid Loss 10.5/8.0

Source of Sample FLOWLINE

Rm @ Meas. Temp 1.10 @ 85F

Rmf @ Meas. Temp 0.82 @ 85F

Rmc @ Meas. Temp 1.32 @ 85F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT 0.74 @ 126F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom

Maximum Recorded Temperature 126F

Equipment Number 3802

Location HAYS, KANSAS

Recorded By JASON CAPPELLUCCI

Witnessed By TOM DUDGEON

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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

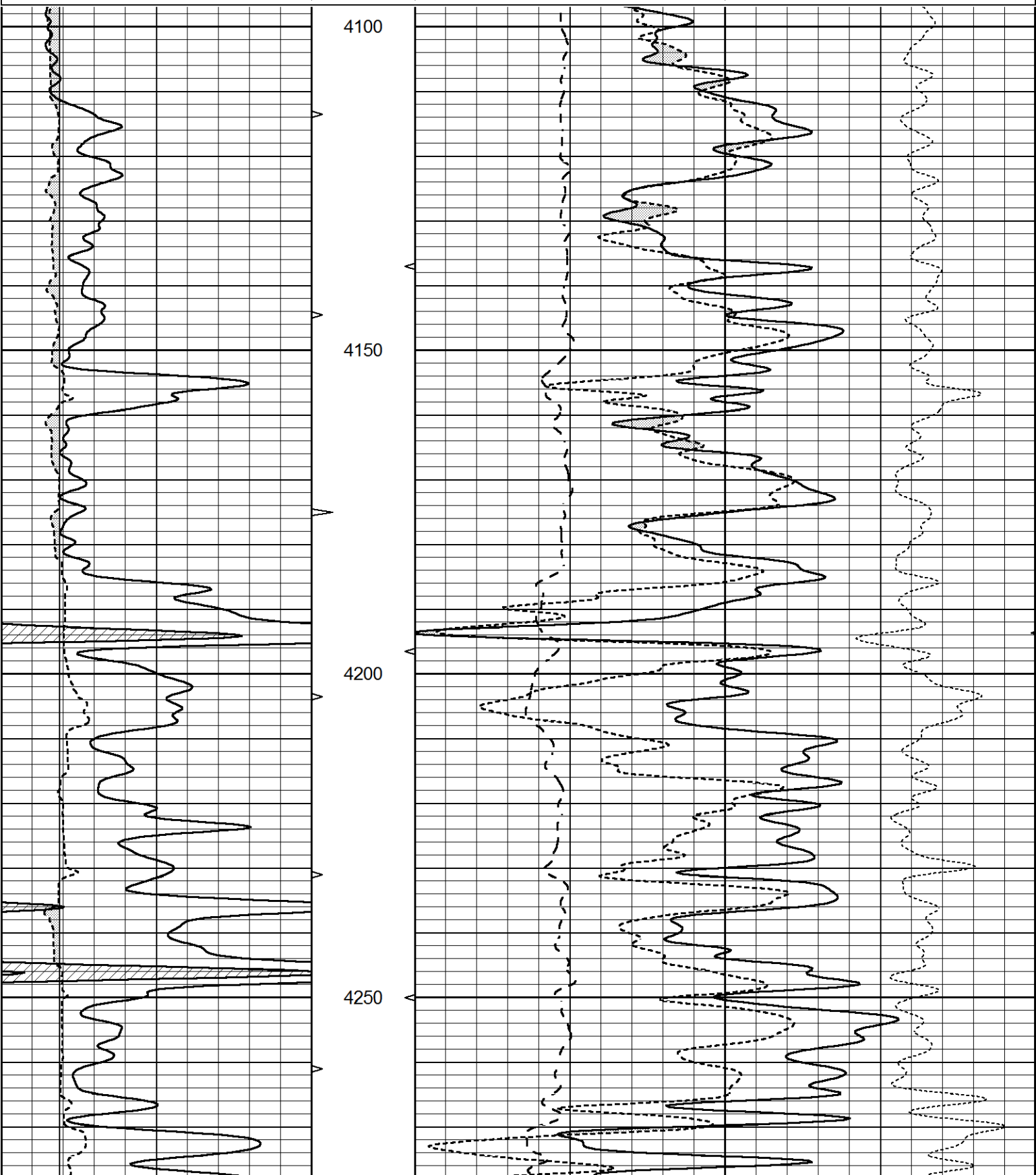
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
WRIGHT, KS. - 3 WEST TO RD. 114 - 1 1/2 NORTH - WEST INTO

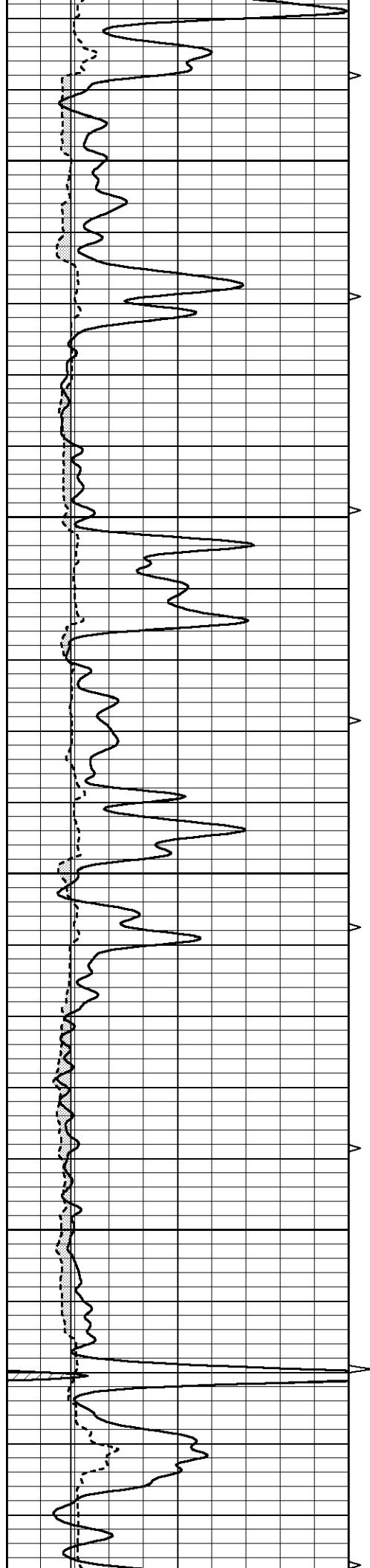


MAIN SECTION

Database File	5856pe.db
Dataset Pathname	pass3.1
Presentation Format	_ldt_neu
Dataset Creation	Thu Sep 23 19:14:52 2021
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	0	PE	10	-0.25	CORRECTION (g/cc)	0.25
			0 (ft3)	10				0	LTEN (lb)	5000



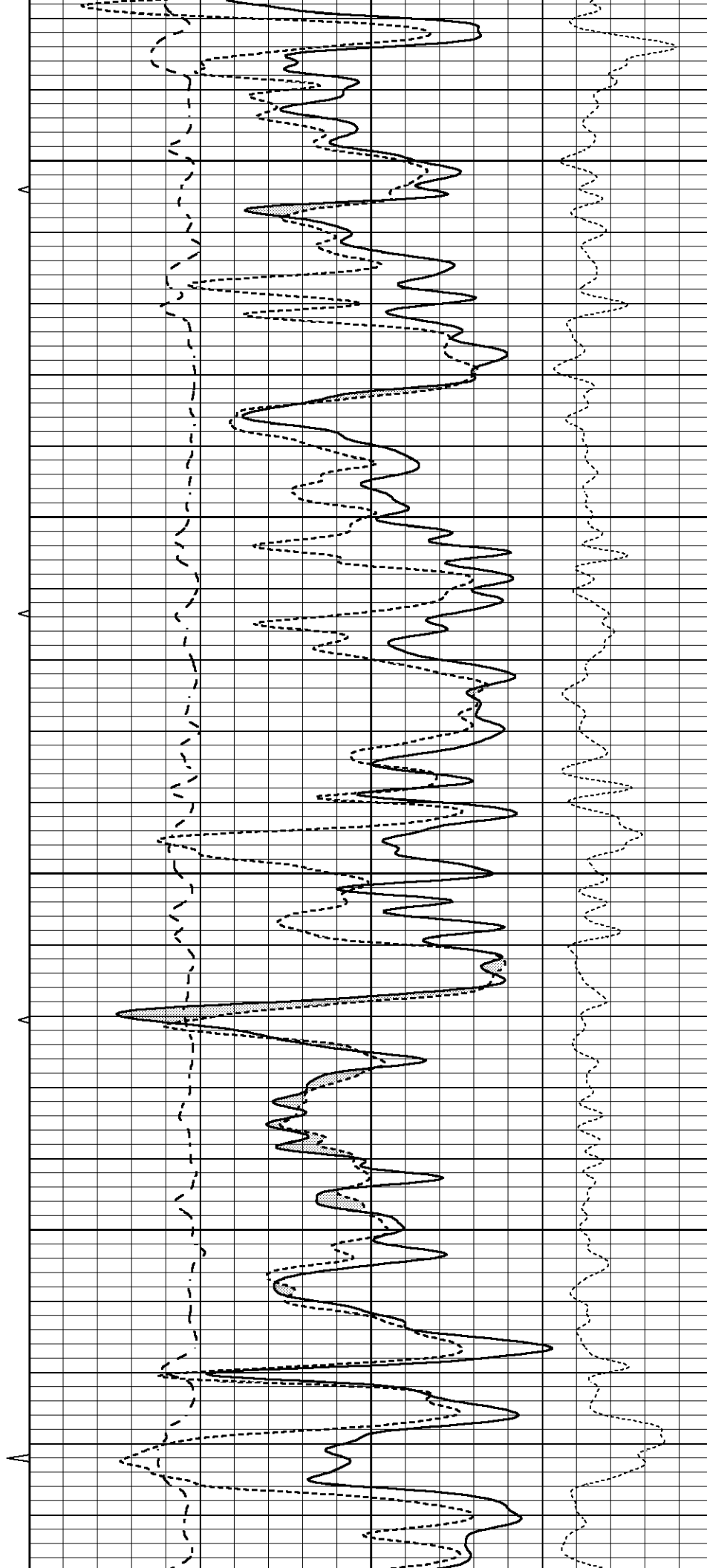


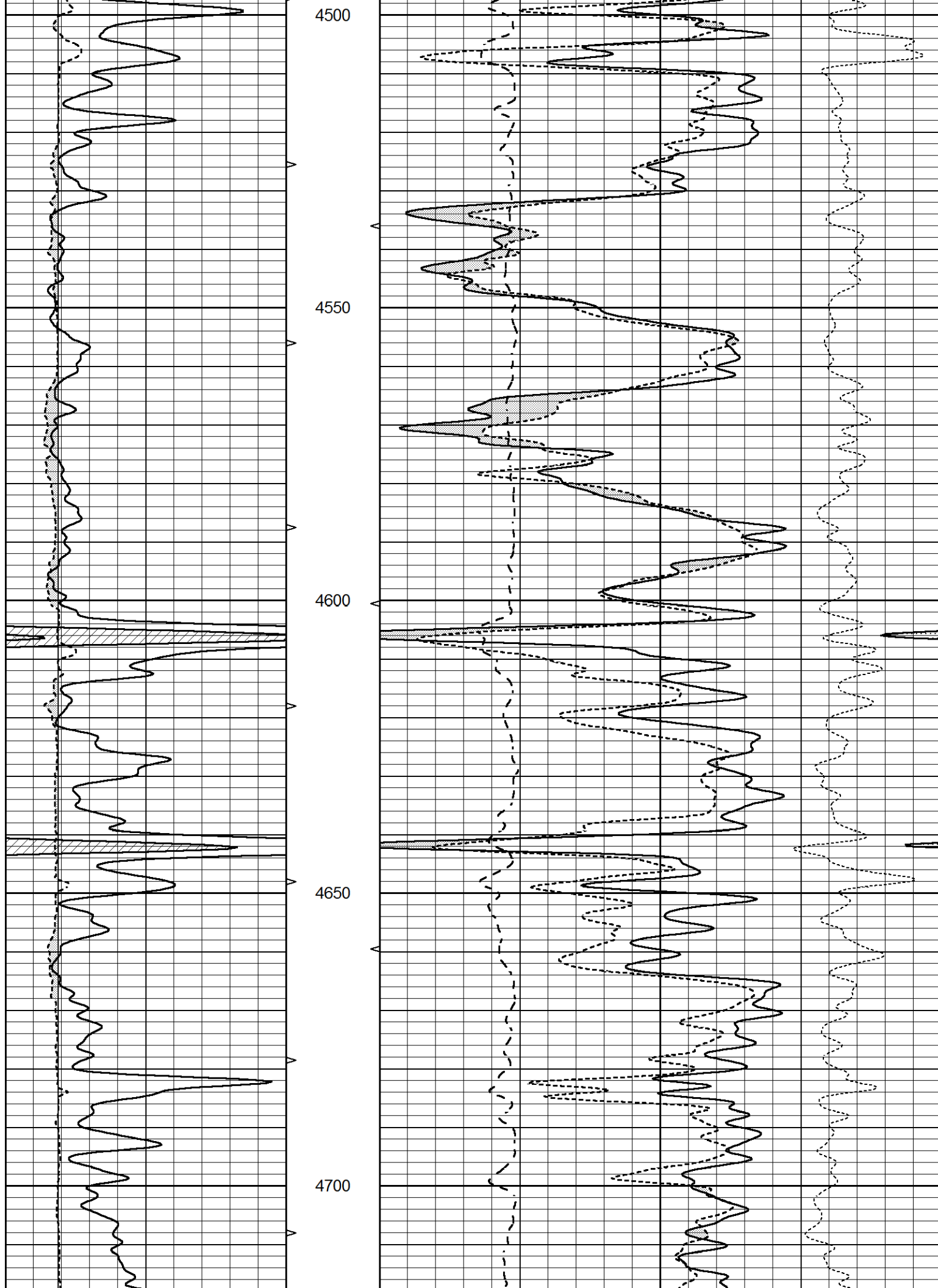
4300

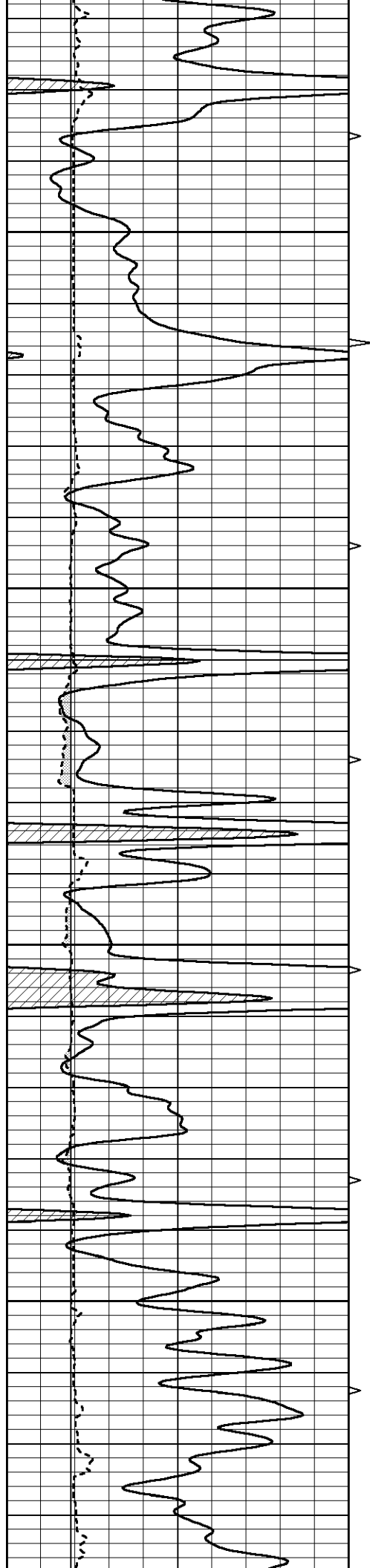
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4400

4450





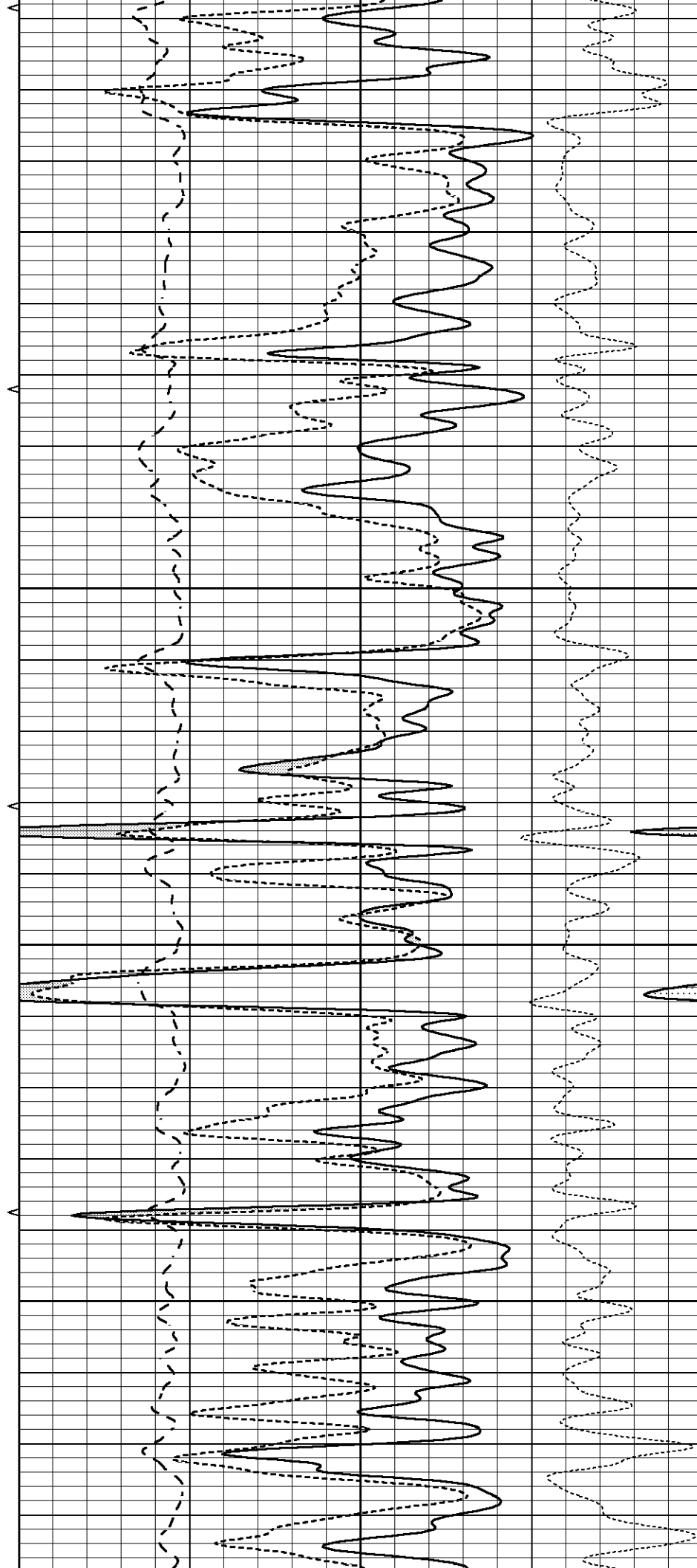


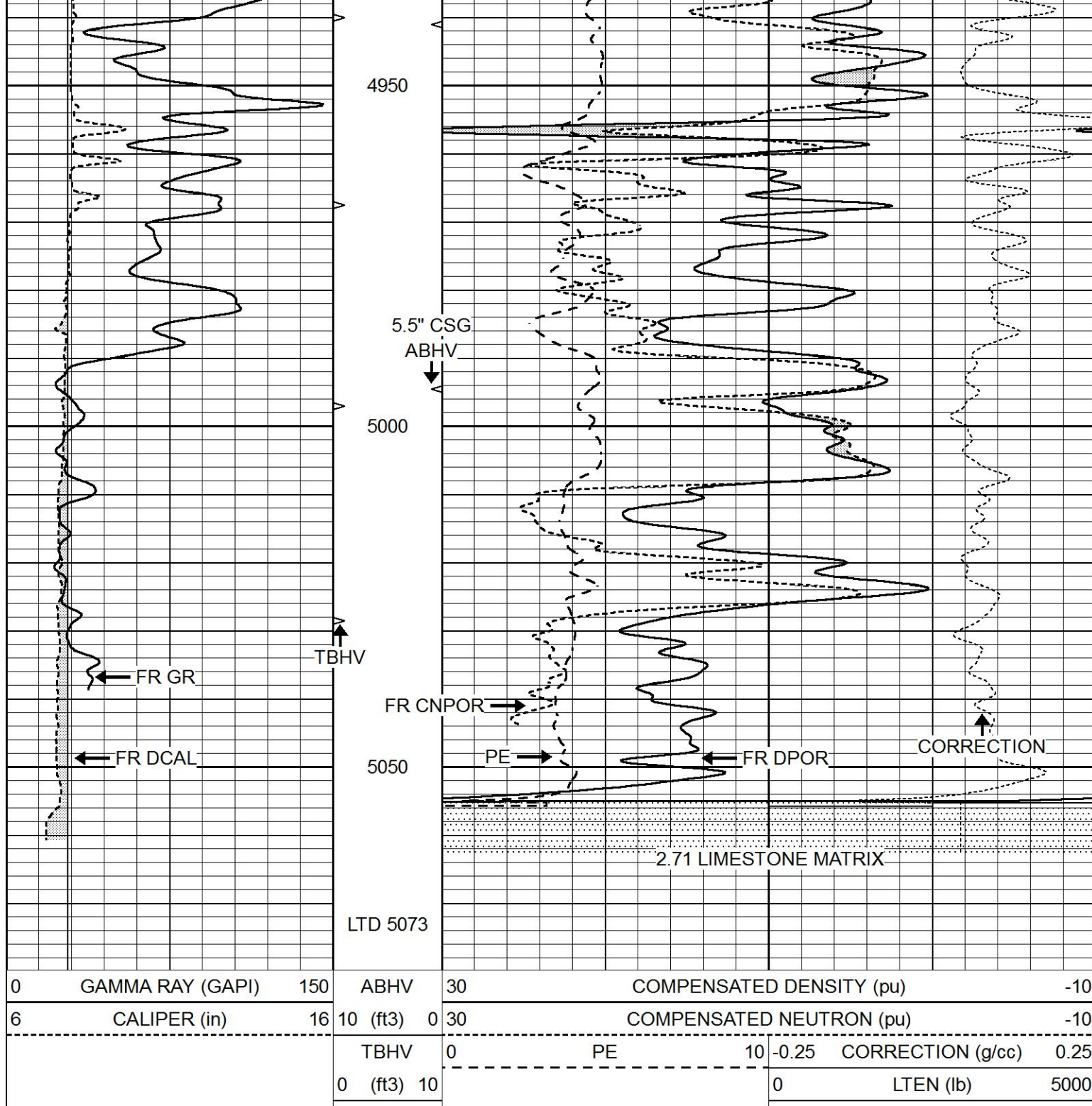
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4800

4850

4900





REPEAT SECTION

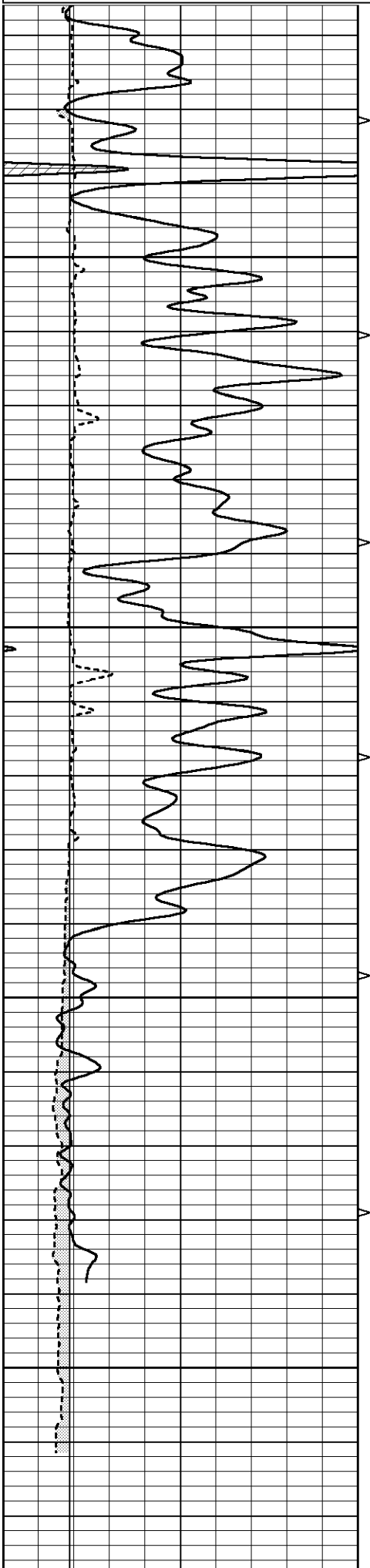
Database File 5856pe.db
 Dataset Pathname pass2.1
 Presentation Format _ldt_neu
 Dataset Creation Thu Sep 23 19:13:18 2021
 Charted by Depth in Feet scaled 1:240

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	

FDIV 0 (ft3) 10

0 10

0 0.25 CORRECTION (g/cc) 0.25
0 LTEN (lb) 5000

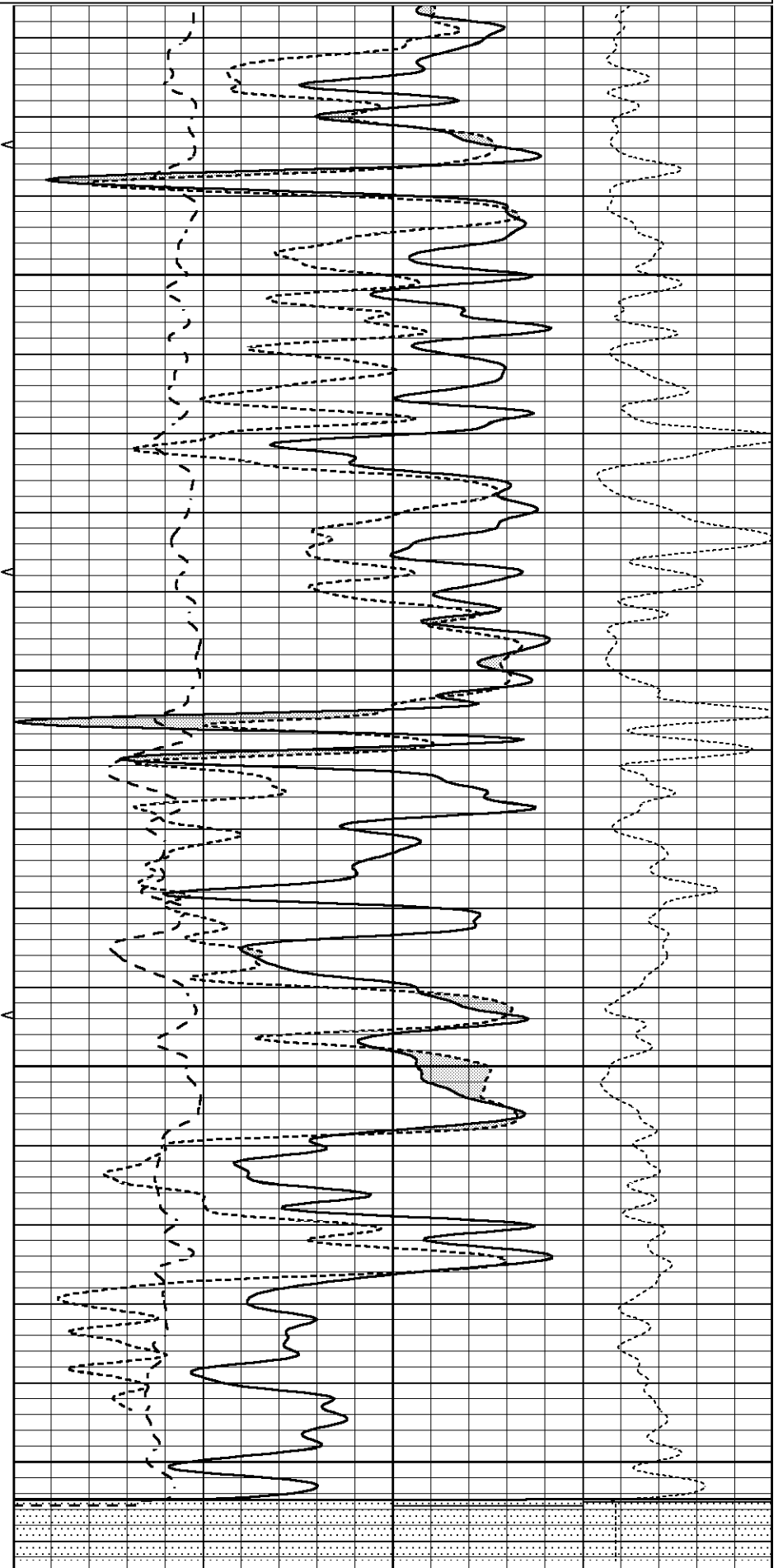


4900

4950

5000

5050



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 (ft3) 10		-0.25 CORRECTION (g/cc)	0.25
					0 LTEN (lb)	5000

Calibration Report	
Database File	5856pe.db
Dataset Pathname	pass2.1
Dataset Creation	Thu Sep 23 19:13:18 2021

Dual Induction Calibration Report	
Serial-Model:	FW1410-55-Probe
Surface Cal Performed:	Tue Feb 19 11:44:18 2019
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	618.595	-5.524
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	1.197
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:	140703
Model:	V4_10P
Source Number:	74GBq-19

Master Calibration					Performed: Wed Dec 02 12:04:44 2020
	Background	Aluminum	Magnesium		
Window 1	595.38	5386.50	23898.92	cps	
Window 2	52.78	1248.21	5993.75	cps	
Window 4	251.36	1200.30	5155.55	cps	

Window 5	545.15	9066.30	17240.12	cps	
Window 6	43.35	1491.73	2929.24	cps	
Window 8	258.76	2917.82	5450.26	cps	
Bulk Density	-	2.6020	1.6830	g/cc	
Pe	-	3.0000	2.5070	b/e	
LS Alpha:	: -1.8726	SS Alpha:	: -0.7656	LS CPE:	: 1.0742
LS Beta:	: 127345.0723	SS Beta:	: 20293.3834	SS CPE:	: 1.5427

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: Wed Dec 02 12:04:44 2020		
Results	Readings	References (in)			
Low	High	Low	High	Gain	Offset
8005.3	11087.2	8.0	14.0	0.0	-8.5

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

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

Compensated Neutron Calibration Report					
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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:	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	