

COMPENSATED DENSITY/NEUTRON PE LOG

Company	PICKRELL DRILLING COMPANY, INC.	Company	PICKRELL DRILLING COMPANY, INC.
Well	SUTTON C #8	Well	SUTTON C #8
Field	UNNAMED	Field	UNNAMED
County	NESS	County	NESS
State	KANSAS	State	KANSAS
Location:	API # : 15-135-26170-00-00 1745' FSL & 330' FWL N2 - SW - NW - SW	Other Services DIL/MEL	
Permanent Datum	GROUND LEVEL Elevation 2324	Elevation	
Log Measured From	KELLY BUSHING 9' A.G.L	K.B. 2331 D.F. 2329 G.L. 2324	
Drilling Measured From	KELLY BUSHING		
Date	6/7/22		
Run Number	ONE		
Depth Driller	4440		
Depth Logger	4438		
Bottom Logged Interval	4414		
Top Log Interval	3500		
Casing Driller	8 5/8" @ 223		
Casing Logger	223		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2,400 PPM	
Density / Viscosity	9.3/53		
pH / Fluid Loss	10.5/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.30@80F		
Rmf @ Meas. Temp	.975@80F		
Rmc @ Meas. Temp	1.56@80F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.867@120F		
Time Circulation Stopped	2.5 HOURS		
Time Logger on Bottom	7:00 A.M.		
Maximum Recorded Temperature	120F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	COLE ROBEN		
Witnessed By	AARON YOUNG		

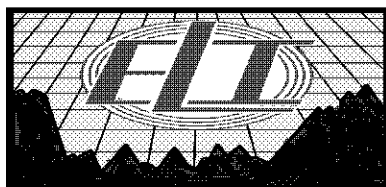
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on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

Comments

THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS:

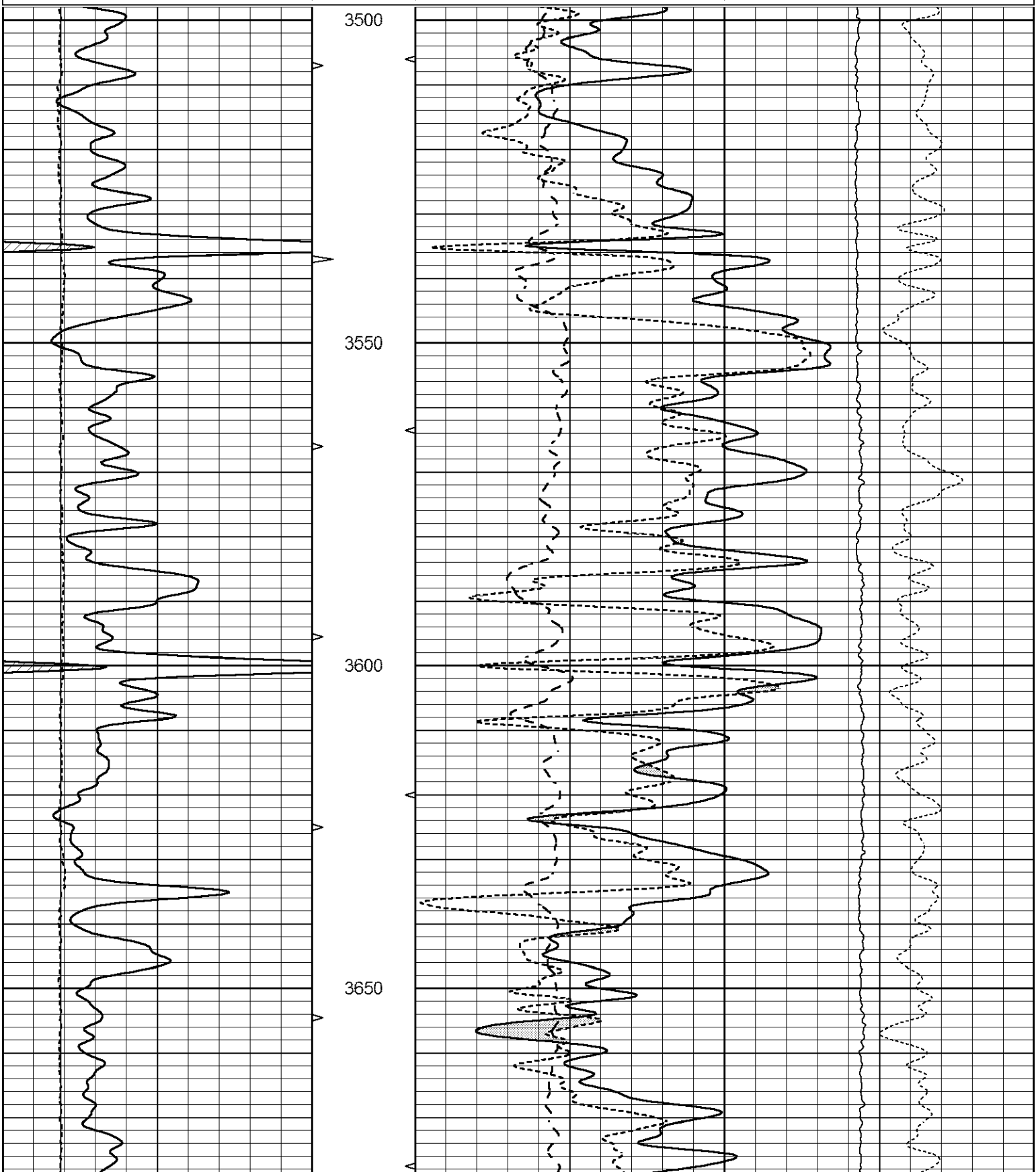
NESS CITY, KS. WEST FIVE MILES TO ROAD N, 3 MILES NORTH TO ROAD 160,
3/4 WEST TO TANK BATTERY, NORTH INTO

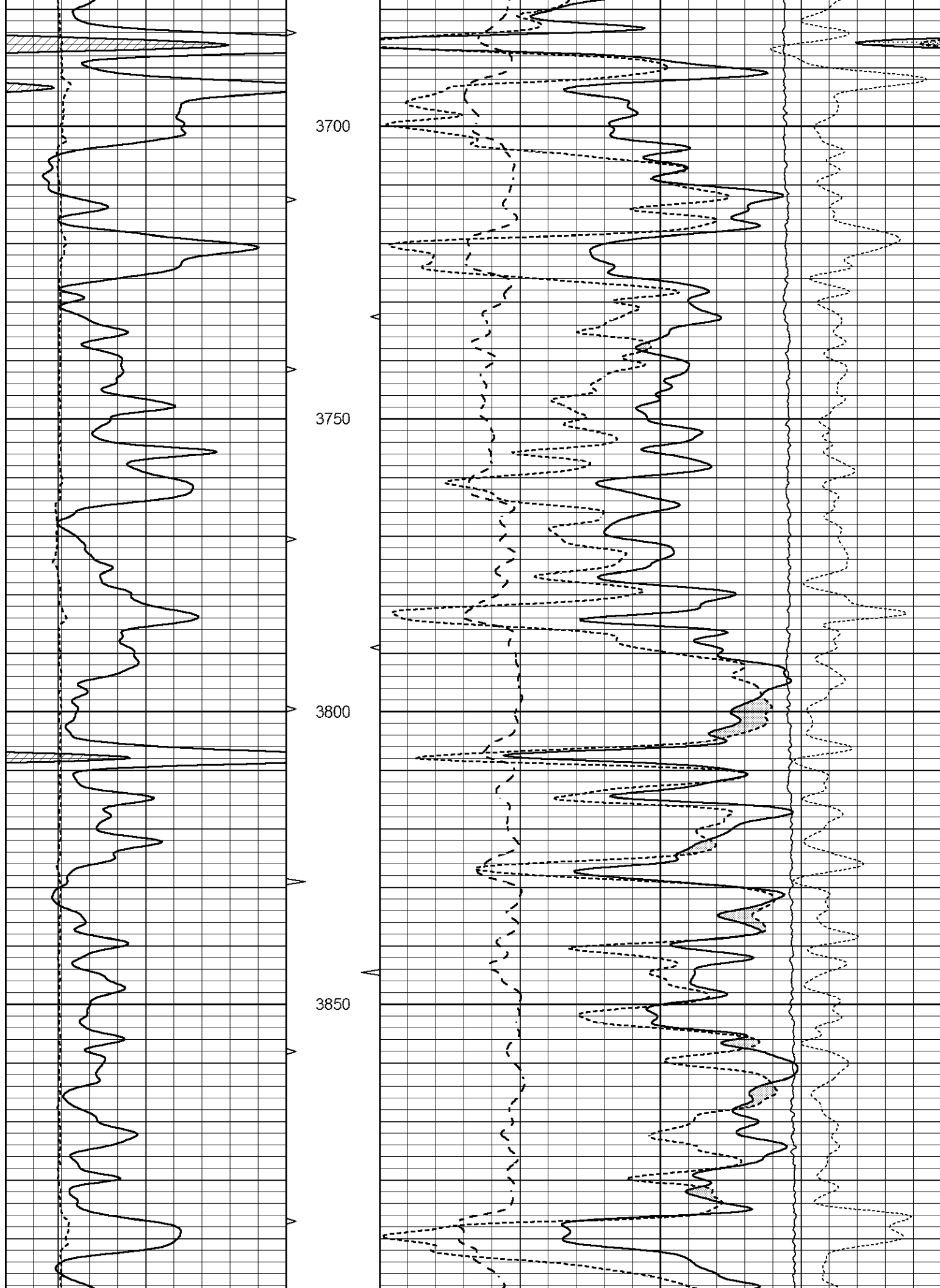


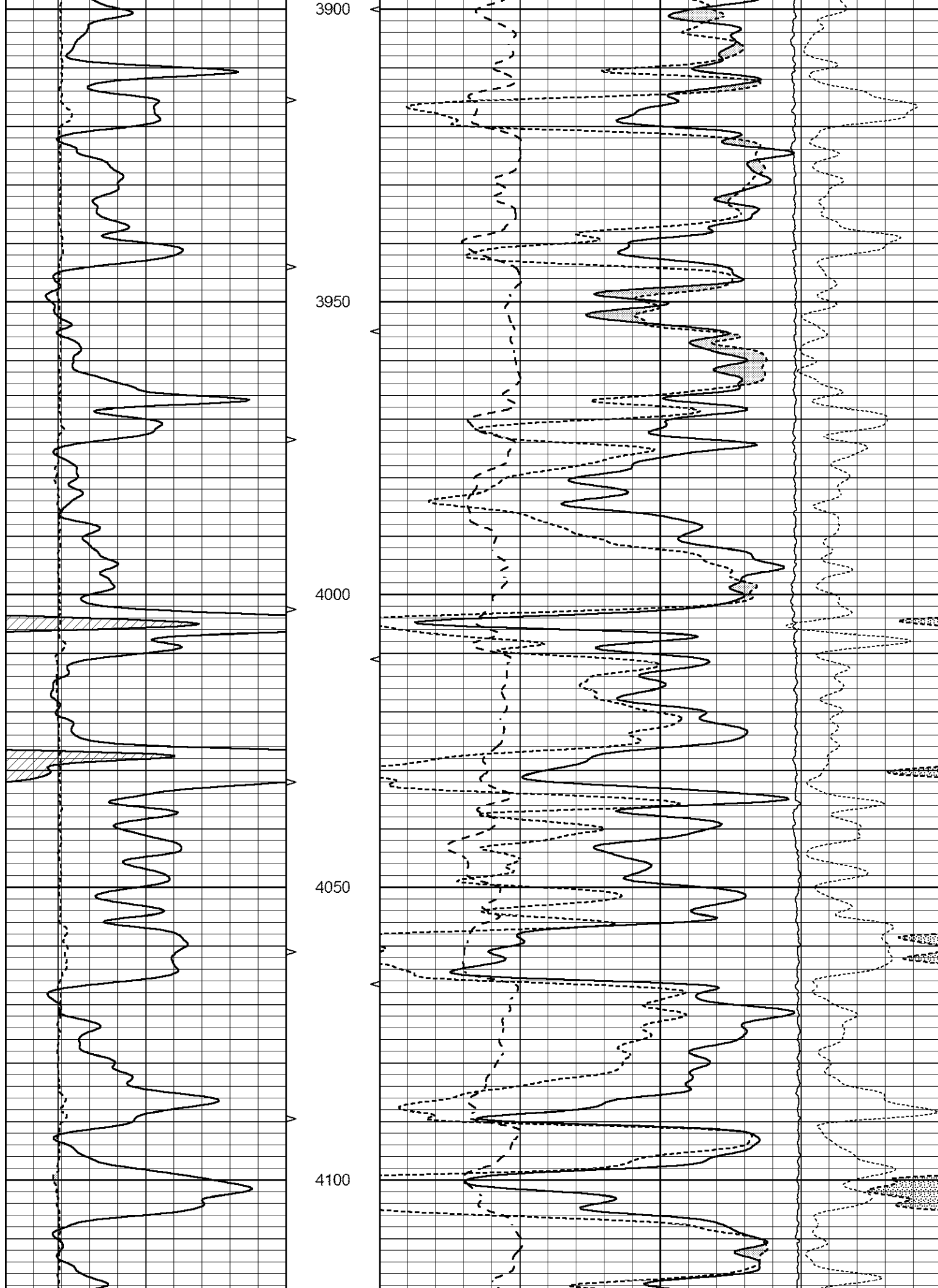
MAIN SECTION

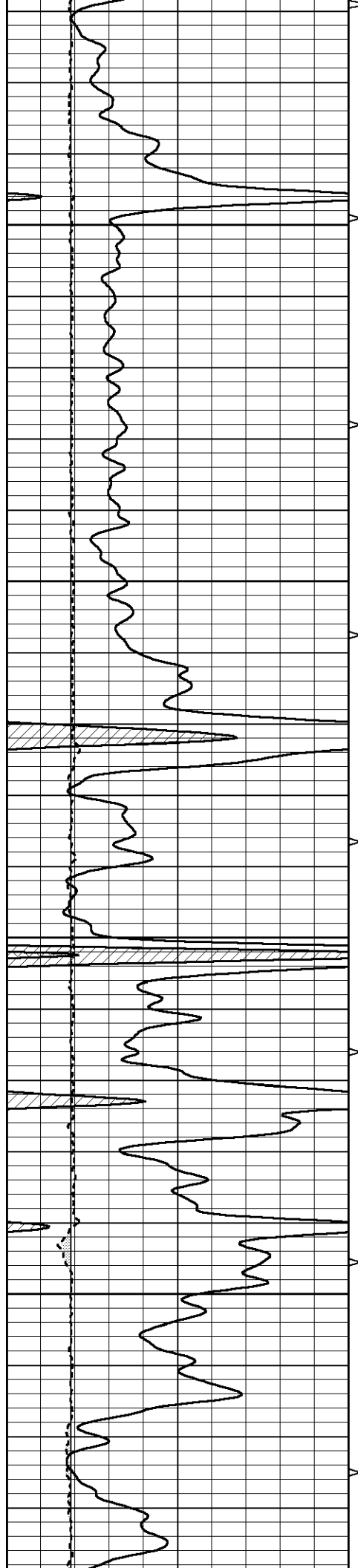
Database File	6538ddn.db
Dataset Pathname	pass3.8
Presentation Format	ldt_neu
Dataset Creation	Tue Jun 07 08:13:52 2022
Charted by	Depth in Feet scaled 1:240

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







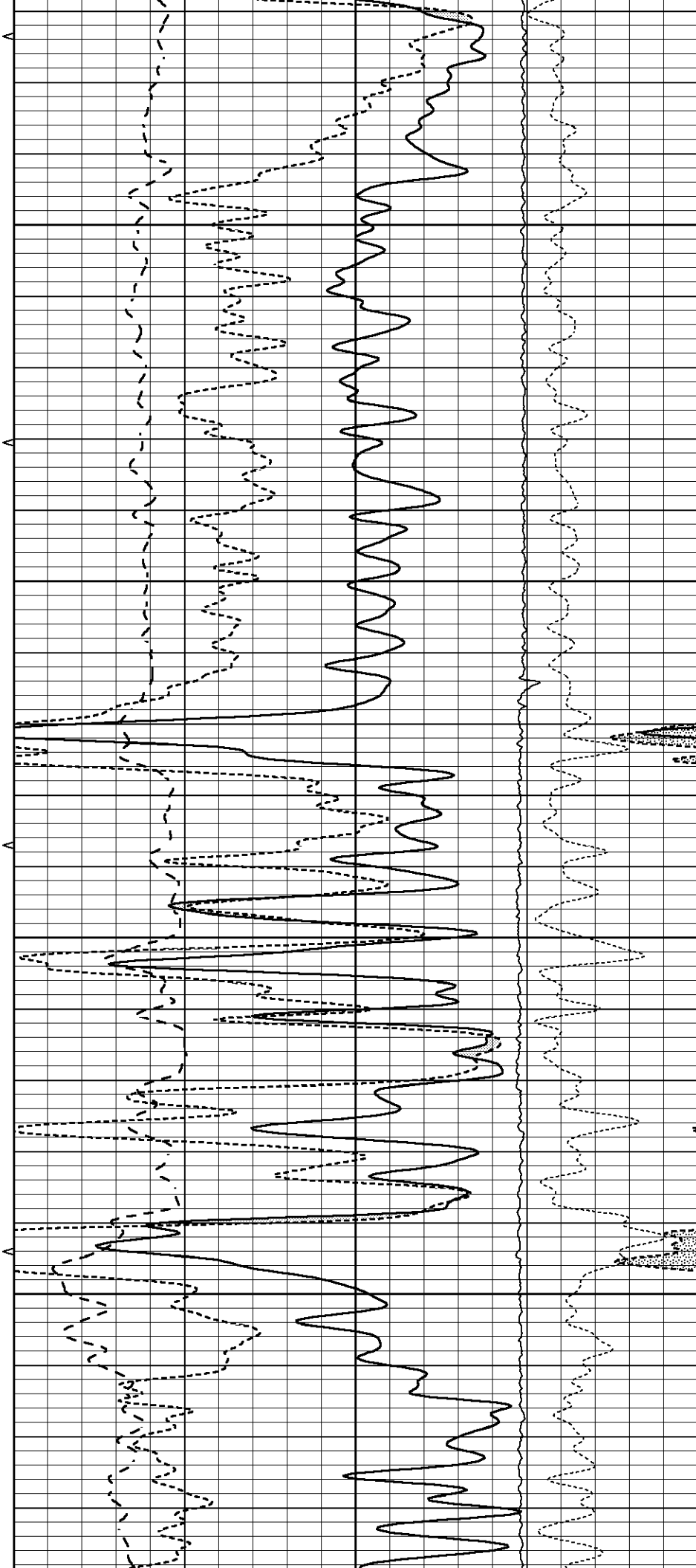


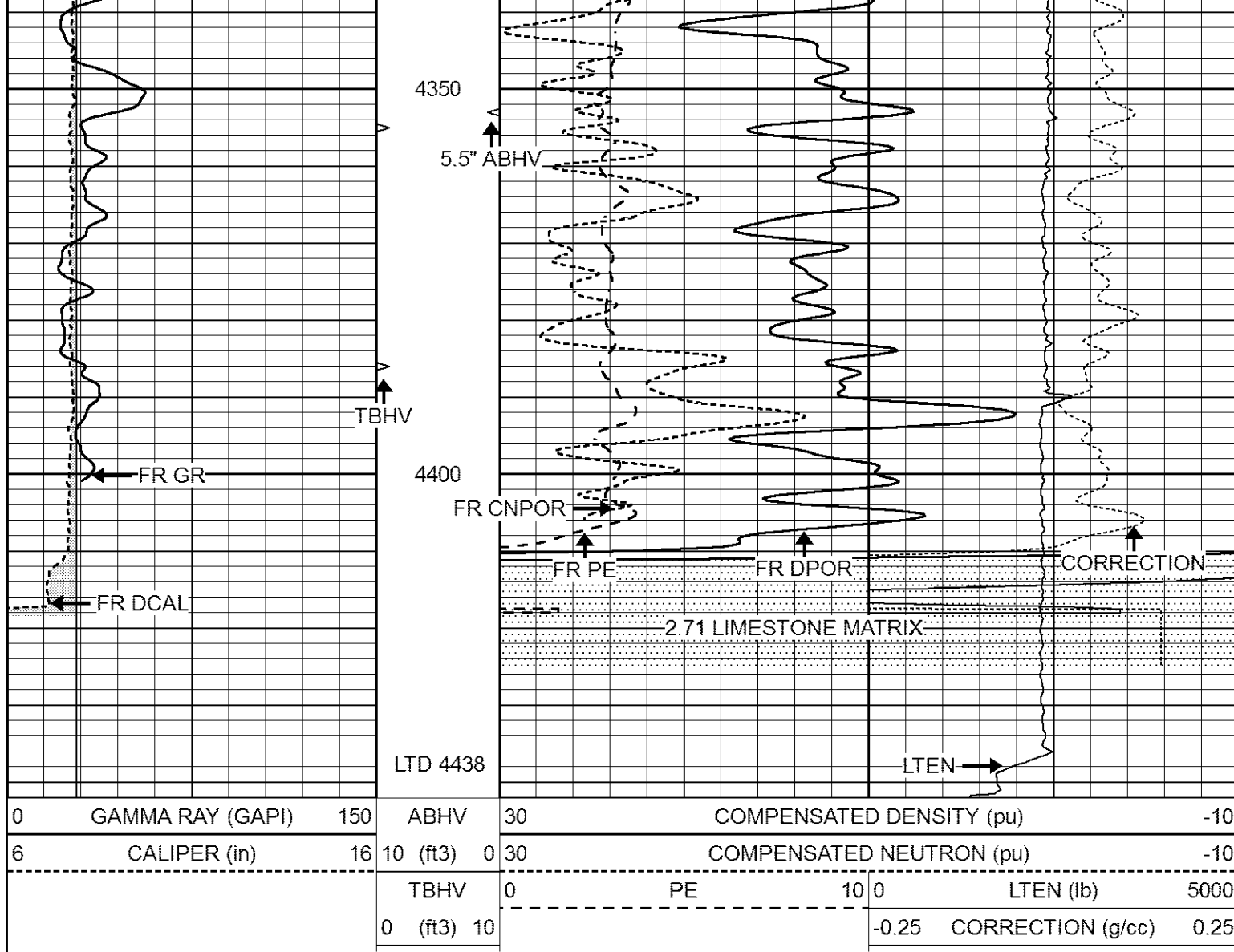
4150

4200

4250

4300

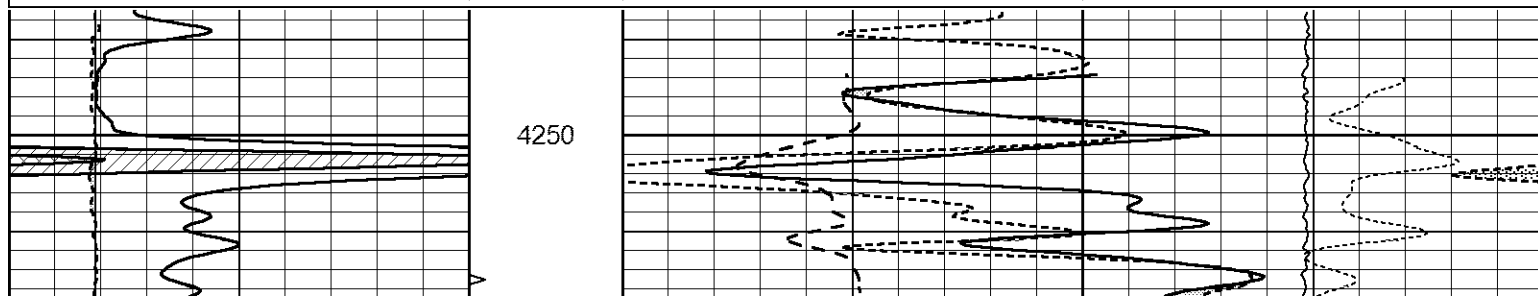


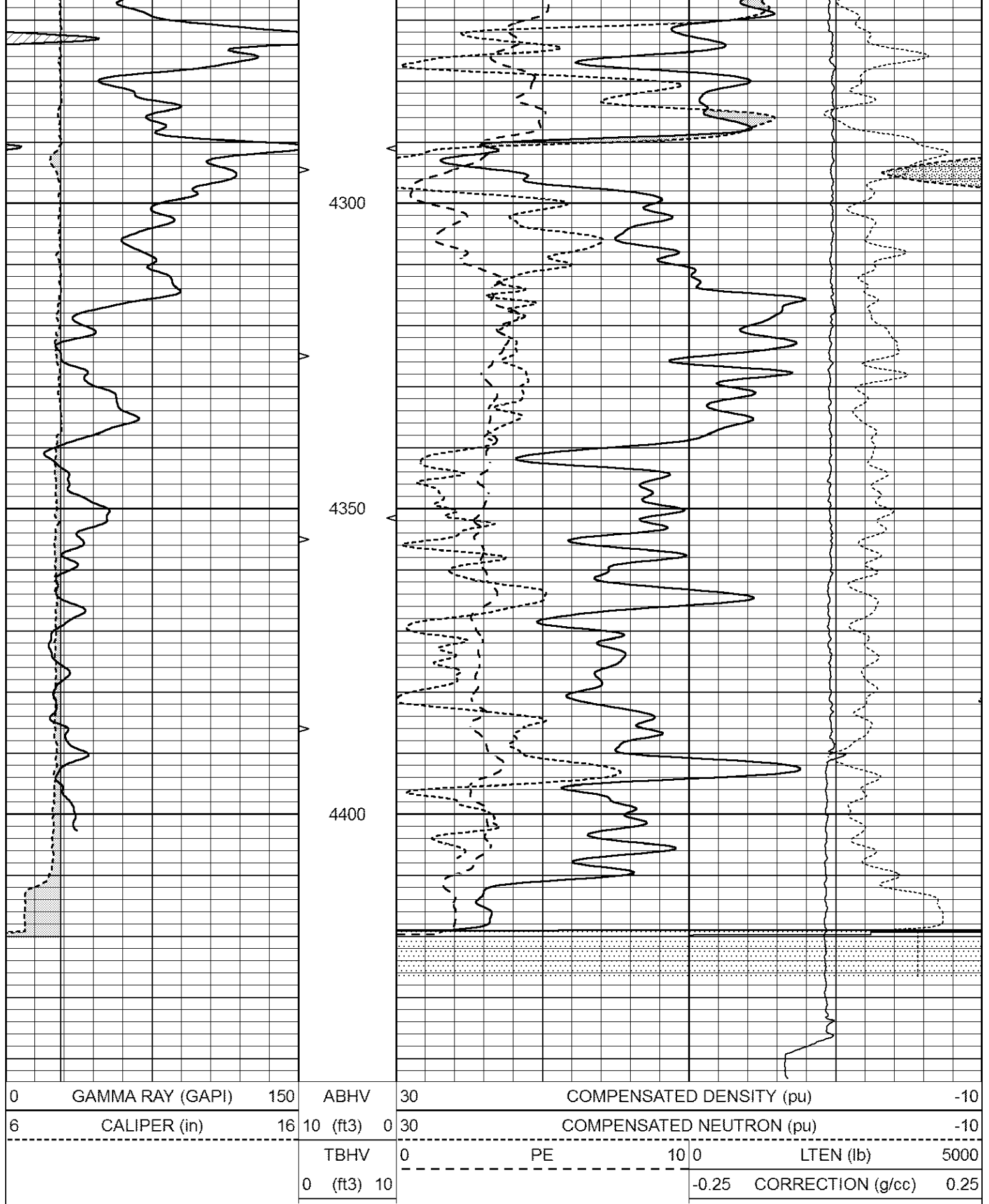


REPEAT SECTION

Database File 6538ddn.db
 Dataset Pathname pass2.5
 Presentation Format ldt_neu
 Dataset Creation Tue Jun 07 08:18:03 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
			0 (ft3) 10	LTEN (lb)		5000
					-0.25	CORRECTION (g/cc) 0.25





Calibration Report

Database File 6538ddn.db
 Dataset Pathname pass3.8
 Dataset Creation Tue Jun 07 08:13:52 2022

Dual Induction Calibration Report

Serial-Model: FW1410-55-Probe
 Surface Cal Performed: Sun May 15 19:17:36 2022
 Downhole Cal Performed: Tue Feb 19 11:44:24 2019
 After Survey Verification Performed: Tue Feb 19 11:44:27 2019

Surface Calibration

Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	0.011	0.656	V	1.000	400.000	mmho/m	650.000	-2.000
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	-12.000
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: 140704
 Model: V4_10P
 Source Number: 74GBq-19

Master Calibration

Performed: Mon May 23 14:22:47 2022

	Background	Aluminum	Magnesium	
Window 1	511.07	5437.36	23664.68	cps
Window 2	40.76	1220.39	5745.34	cps
Window 4	223.73	1233.64	5301.27	cps
Window 5	531.57	7878.13	15405.81	cps
Window 6	48.52	1245.17	2497.97	cps
Window 8	246.02	2578.14	4974.07	cps
Bulk Density	-	2.6020	1.6830	g/cc
Pe	-	3.0000	2.5070	b/e

LS Alpha: : -1.8413 SS Alpha: : -0.8034 LS CPE: : 1.1579
 LS Beta: : 124864.8423 SS Beta: : 19537.1506 SS CPE: : 1.6371

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: Mon May 23 14:22:47 2022
Results	Readings	References (in)
Low	High	LowHighGainOffset
8210.8	12139.3	7.014.00.0-7.3
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	MeasuredTarget
Short Space	cps	
Long Space	cps	pu
POST-SURVEY VERIFICATION		
Detector	Readings	MeasuredTarget
Short Space	cps	
Long Space	cps	pu
Gamma Ray Calibration Report		
Serial Number:	7	
Tool Model:	Probe1	
Performed:	Thu May 26 08:56:46 2022	
Calibrator Value:	1.0	GAPI

Background Reading:

0.0

cps

Calibrator Reading:

1.0

cps

Sensitivity:

0.5500

GAPI/cps